

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110123\  
 Data File : VN079765.D  
 Acq On : 01 Nov 2023 11:38  
 Operator : JC\MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC005

Quant Time: Nov 02 05:30:15 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 02 05:25:18 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.230  | 168   | 305526   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106  | 114   | 544074   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.871 | 117   | 480271   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794 | 152   | 202499   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.583  | 65    | 25252    | 5.425    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 10.840%# |
| 35) Dibromofluoromethane     | 8.165  | 113   | 19851    | 5.155    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 10.320%# |
| 50) Toluene-d8               | 10.571 | 98    | 69191    | 4.881    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 9.760%#  |
| 62) 4-Bromofluorobenzene     | 12.853 | 95    | 22115    | 4.704    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 9.400%#  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.124  | 85    | 18172    | 4.938    | ug/l   | 98       |
| 3) Chloromethane             | 2.359  | 50    | 27236    | 5.177    | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.512  | 62    | 24196    | 5.023    | ug/l # | 88       |
| 5) Bromomethane              | 2.942  | 94    | 15249    | 5.210    | ug/l   | 92       |
| 6) Chloroethane              | 3.112  | 64    | 16577    | 4.339    | ug/l   | 91       |
| 7) Trichlorofluoromethane    | 3.489  | 101   | 30758    | 5.134    | ug/l   | 96       |
| 8) Diethyl Ether             | 3.965  | 74    | 12257    | 5.391    | ug/l   | 73       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371  | 101   | 17515    | 5.043    | ug/l # | 70       |
| 10) Methyl Iodide            | 4.589  | 142   | 19641    | 4.952    | ug/l   | 91       |
| 11) Tert butyl alcohol       | 5.518  | 59    | 8793     | 14.798   | ug/l # | 82       |
| 12) 1,1-Dichloroethene       | 4.336  | 96    | 16558    | 5.035    | ug/l # | 67       |
| 13) Acrolein                 | 4.177  | 56    | 14847    | 29.085   | ug/l   | 97       |
| 14) Allyl chloride           | 5.024  | 41    | 28964    | 5.750    | ug/l # | 78       |
| 15) Acrylonitrile            | 5.724  | 53    | 47028    | 25.397   | ug/l   | 97       |
| 16) Acetone                  | 4.436  | 43    | 40327    | 24.664   | ug/l   | 93       |
| 17) Carbon Disulfide         | 4.712  | 76    | 49204    | 5.187    | ug/l   | 96       |
| 18) Methyl Acetate           | 5.030  | 43    | 39512    | 5.051    | ug/l # | 86       |
| 19) Methyl tert-butyl Ether  | 5.800  | 73    | 56690    | 5.007    | ug/l   | 99       |
| 20) Methylene Chloride       | 5.265  | 84    | 21633    | 5.244    | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 5.783  | 96    | 19242    | 5.246    | ug/l   | 90       |
| 22) Diisopropyl ether        | 6.671  | 45    | 56717    | 4.859    | ug/l # | 87       |
| 23) Vinyl Acetate            | 6.606  | 43    | 156891   | 24.367   | ug/l # | 89       |
| 24) 1,1-Dichloroethane       | 6.565  | 63    | 36002    | 5.074    | ug/l   | 98       |
| 25) 2-Butanone               | 7.489  | 43    | 60954    | 25.458   | ug/l # | 81       |
| 26) 2,2-Dichloropropane      | 7.489  | 77    | 29840    | 5.086    | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 7.489  | 96    | 21570    | 4.916    | ug/l   | 84       |
| 28) Bromochloromethane       | 7.824  | 49    | 16881    | 4.882    | ug/l   | 83       |
| 29) Tetrahydrofuran          | 7.847  | 42    | 38588    | 24.772   | ug/l # | 78       |
| 30) Chloroform               | 7.971  | 83    | 37845    | 4.911    | ug/l   | 96       |
| 31) Cyclohexane              | 8.259  | 56    | 35743    | 5.811    | ug/l   | 92       |
| 32) 1,1,1-Trichloroethane    | 8.165  | 97    | 31901    | 5.080    | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 8.371  | 75    | 27175    | 4.943    | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.565  | 43    | 24504    | 4.859    | ug/l # | 93       |
| 38) Carbon Tetrachloride     | 8.365  | 117   | 27747    | 5.007    | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.600  | 83    | 25179    | 4.866    | ug/l   | 94       |
| 40) Benzene                  | 8.606  | 78    | 84251    | 5.116    | ug/l   | 94       |

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 Acq On : 01 Nov 2023 11:38  
 Operator : JC\MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC005

Quant Time: Nov 02 05:30:15 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 02 05:25:18 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.783  | 41   | 13602    | 5.080   | ug/l # | 83       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 29272    | 5.089   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 45040    | 5.093   | ug/l # | 90       |
| 44) Trichloroethene           | 9.353  | 130  | 20127    | 4.925   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 20908    | 4.968   | ug/l   | 100      |
| 46) Dibromomethane            | 9.712  | 93   | 14620    | 5.088   | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.888  | 83   | 29976    | 4.891   | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.683  | 41   | 17931    | 4.629   | ug/l   | 87       |
| 49) 1,4-Dioxane               | 9.706  | 88   | 6876     | 100.465 | ug/l # | 84       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 125962   | 25.301  | ug/l   | 90       |
| 52) Toluene                   | 10.635 | 92   | 49095    | 5.029   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.841 | 75   | 28109    | 4.679   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 32208    | 4.918   | ug/l # | 92       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 19612    | 4.994   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 25190    | 4.497   | ug/l # | 73       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 35028    | 5.061   | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 66182    | 23.313  | ug/l   | 92       |
| 59) 2-Hexanone                | 11.200 | 43   | 89640    | 23.536  | ug/l   | 88       |
| 60) Dibromochloromethane      | 11.359 | 129  | 20312    | 4.832   | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 11.477 | 107  | 19491    | 4.945   | ug/l   | 98       |
| 64) Tetrachloroethene         | 11.106 | 164  | 15721    | 5.054   | ug/l   | 95       |
| 65) Chlorobenzene             | 11.894 | 112  | 52508    | 5.040   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 18403    | 4.903   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.965 | 91   | 89002    | 4.903   | ug/l   | 96       |
| 68) m/p-Xylenes               | 12.076 | 106  | 67355    | 9.962   | ug/l   | 99       |
| 69) o-Xylene                  | 12.400 | 106  | 30818    | 4.733   | ug/l   | 91       |
| 70) Styrene                   | 12.412 | 104  | 48704    | 4.655   | ug/l   | 98       |
| 71) Bromoform                 | 12.582 | 173  | 13282    | 4.983   | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.700 | 105  | 77996    | 5.075   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.500 | 43   | 34978    | 5.214   | ug/l # | 86       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 29374    | 5.391   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 33441    | 7.043   | ug/l   | 70       |
| 77) Bromobenzene              | 12.982 | 156  | 19405    | 5.157   | ug/l   | 98       |
| 78) n-propylbenzene           | 13.041 | 91   | 83996    | 4.773   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 57490    | 5.113   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 58954    | 4.930   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 8321     | 4.762   | ug/l   | 85       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 58869    | 5.269   | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 48629    | 4.968   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 57774    | 4.911   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.618 | 105  | 68517    | 5.053   | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 54016    | 4.886   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 37363    | 5.338   | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.818 | 146  | 36121    | 5.084   | ug/l   | 91       |
| 89) n-Butylbenzene            | 14.059 | 91   | 44715    | 4.696   | ug/l   | 97       |
| 90) Hexachloroethane          | 14.335 | 117  | 10635    | 4.857   | ug/l   | 86       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 33469    | 5.065   | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 4952     | 5.359   | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 14812    | 4.714   | ug/l   | 93       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 7924     | 5.564   | ug/l   | 96       |
| 95) Naphthalene               | 15.647 | 128  | 51687    | 4.851   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 15835    | 5.142   | ug/l   | 99       |

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Data File : VN079765.D  
Acq On : 01 Nov 2023 11:38  
Operator : JC\MD  
Sample : VSTDICC005  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 7 Sample Multiplier: 1

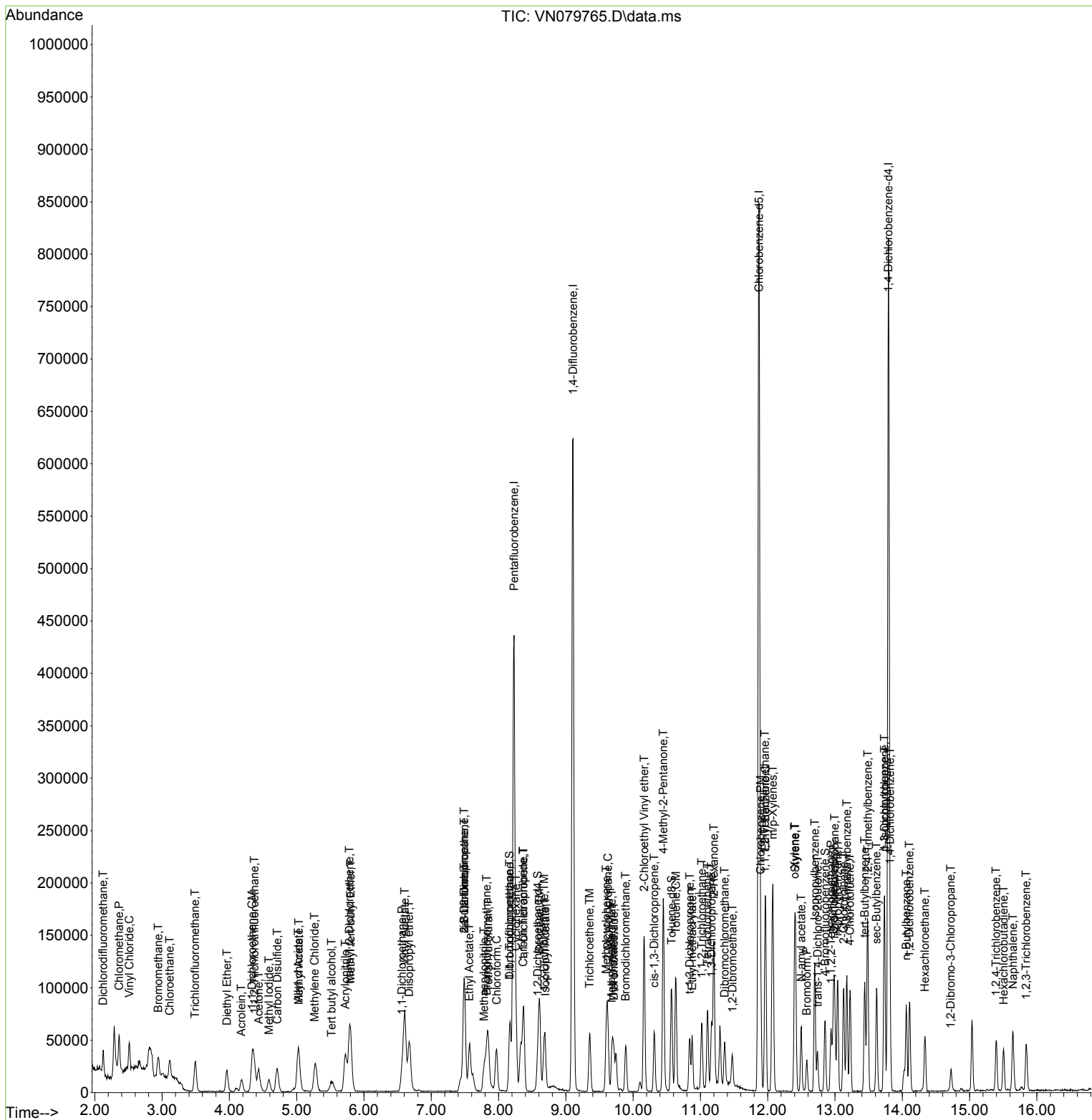
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

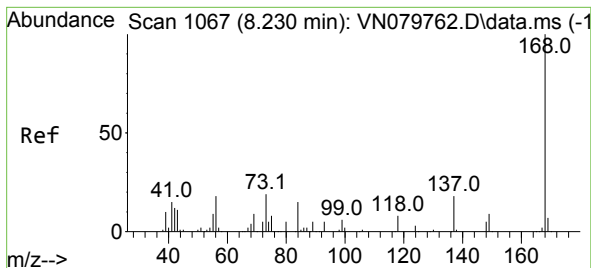
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110123W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 02 05:25:18 2023  
Response via : Initial Calibration

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

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

Quant Time: Nov 02 05:30:15 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110123W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 02 05:25:18 2023  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. 0.001 min

Lab File: VN079765.D

Acq: 01 Nov 2023 11:38

Instrument :

MSVOA\_N

ClientSampleId :

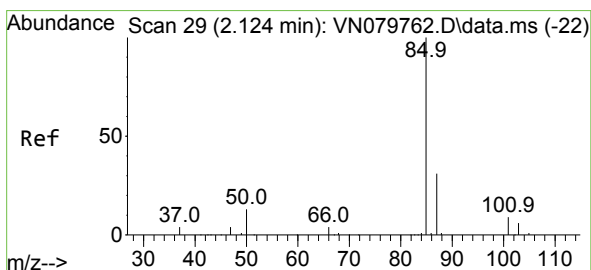
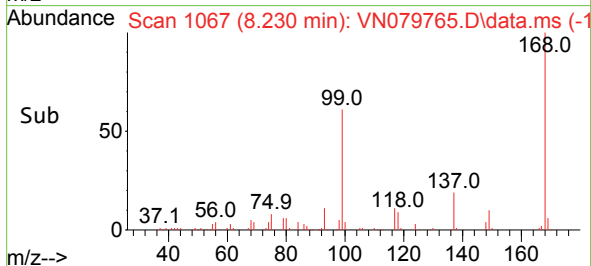
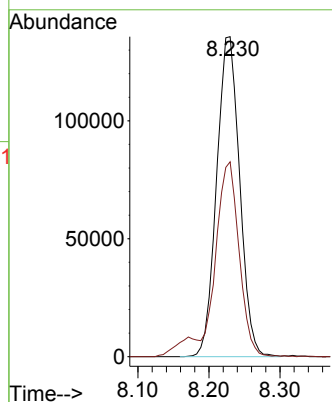
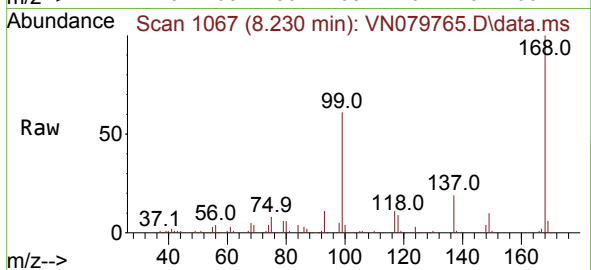
VSTDIC005

Tgt Ion:168 Resp: 305526

Ion Ratio Lower Upper

168 100

99 60.7 53.0 79.6



#2

Dichlorodifluoromethane

Concen: 4.938 ug/l

RT: 2.124 min Scan# 29

Delta R.T. 0.000 min

Lab File: VN079765.D

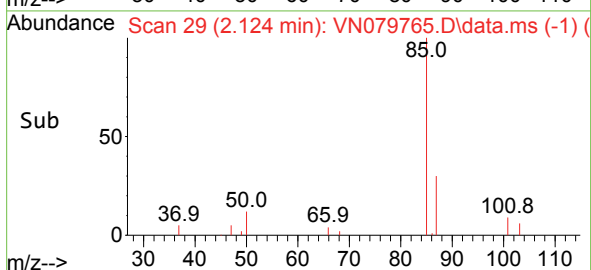
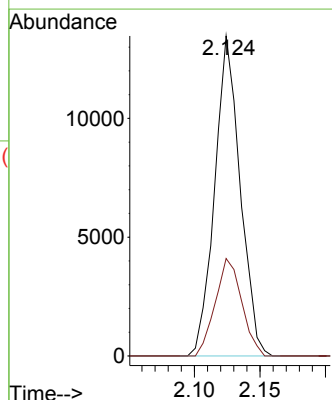
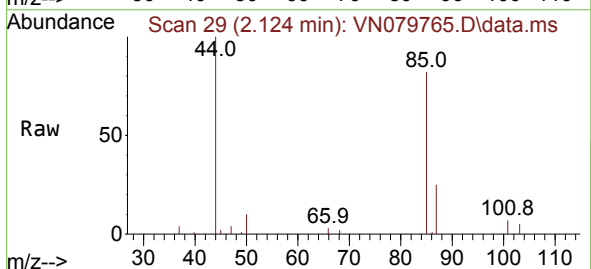
Acq: 01 Nov 2023 11:38

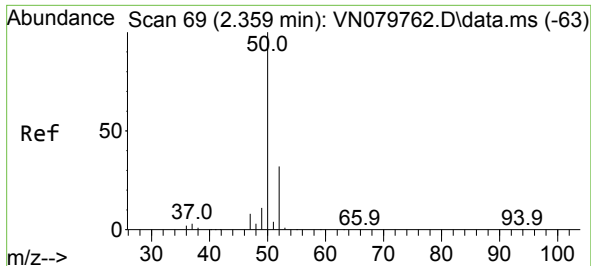
Tgt Ion: 85 Resp: 18172

Ion Ratio Lower Upper

85 100

87 30.4 15.8 47.4

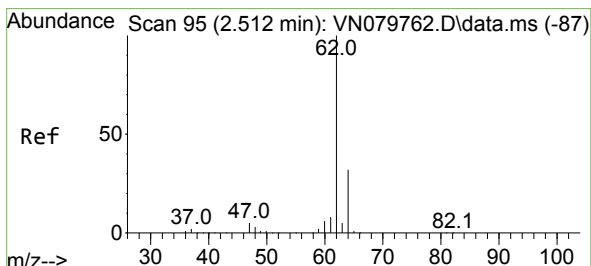
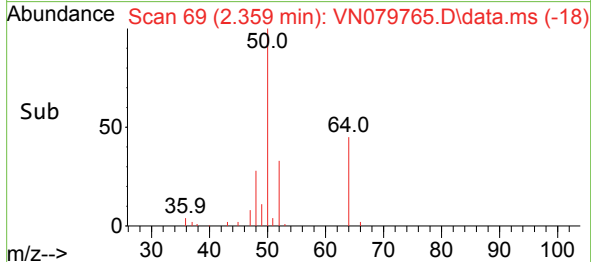
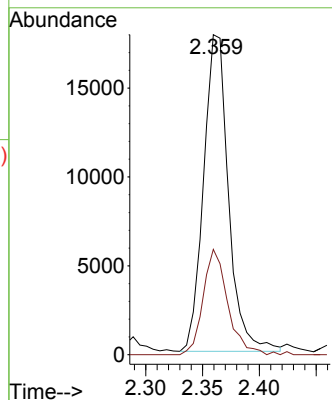
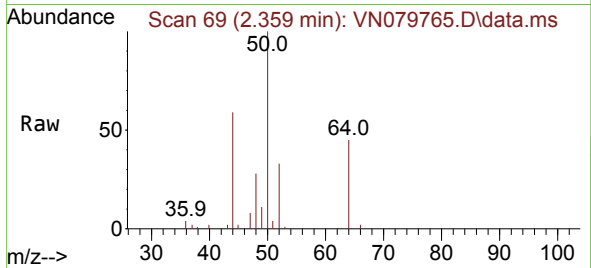




#3  
Chloromethane  
Concen: 5.177 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

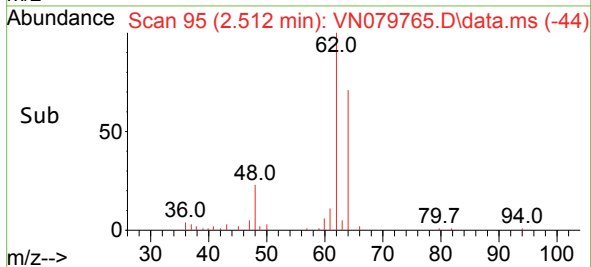
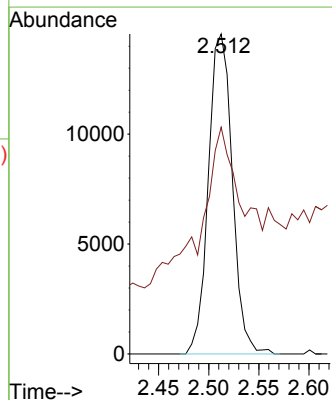
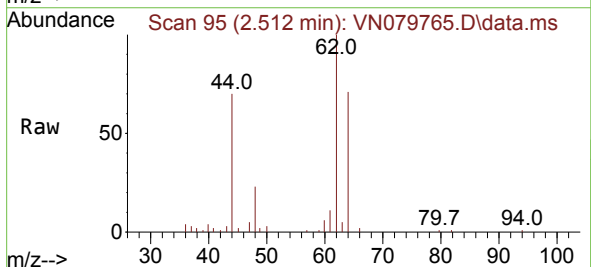
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

Tgt Ion: 50 Resp: 27236  
Ion Ratio Lower Upper  
50 100  
52 33.3 26.5 39.7



#4  
Vinyl Chloride  
Concen: 5.023 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion: 62 Resp: 24196  
Ion Ratio Lower Upper  
62 100  
64 39.6 26.2 39.2#

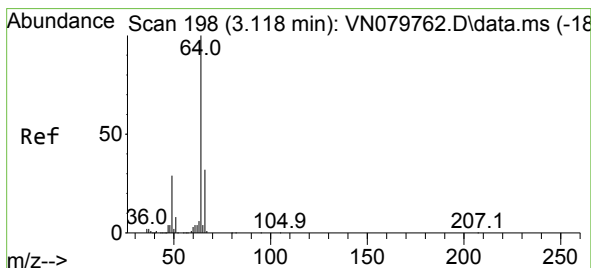
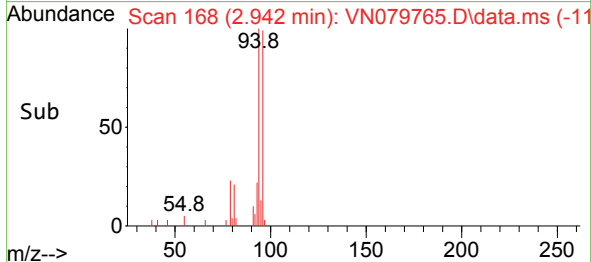
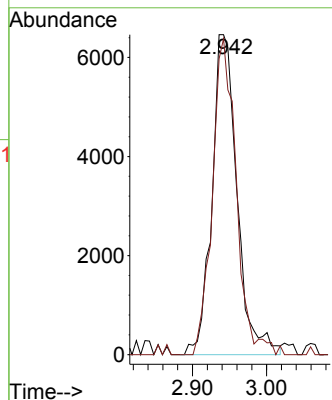
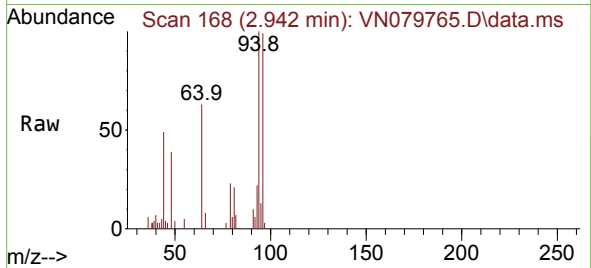




#5  
Bromomethane  
Concen: 5.210 ug/l  
RT: 2.942 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

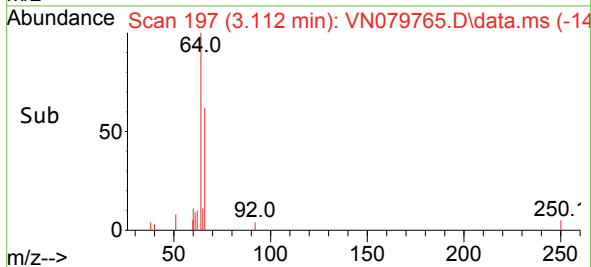
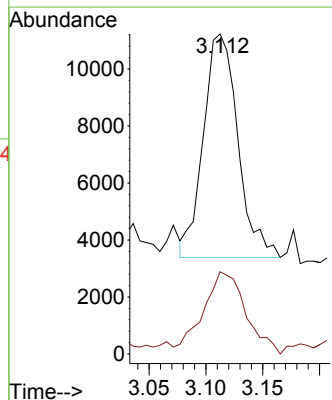
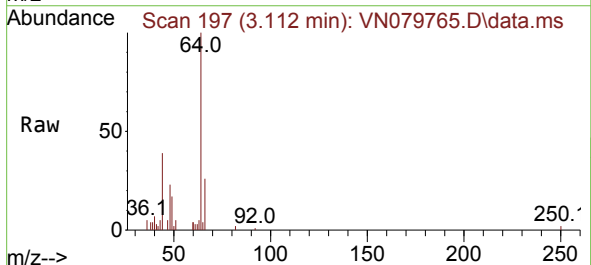
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

Tgt Ion: 94 Resp: 15249  
Ion Ratio Lower Upper  
94 100  
96 98.8 73.1 109.7



#6  
Chloroethane  
Concen: 4.339 ug/l  
RT: 3.112 min Scan# 197  
Delta R.T. -0.006 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion: 64 Resp: 16577  
Ion Ratio Lower Upper  
64 100  
66 36.8 25.4 38.2

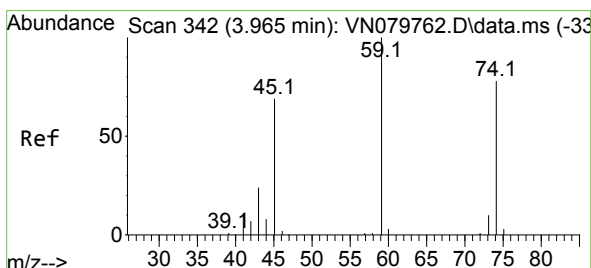
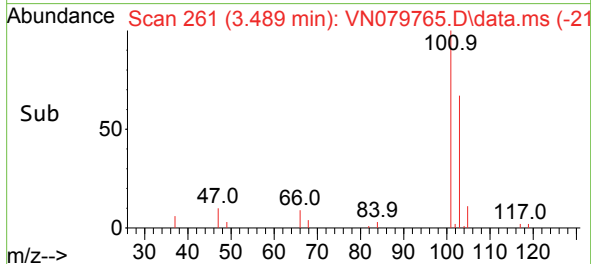
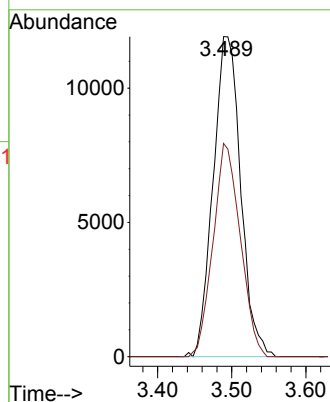
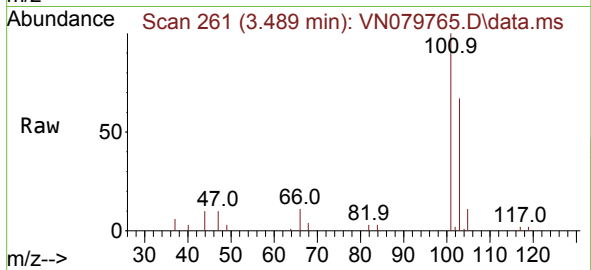




#7  
Trichlorofluoromethane  
Concen: 5.134 ug/l  
RT: 3.489 min Scan# 210  
Delta R.T. -0.006 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

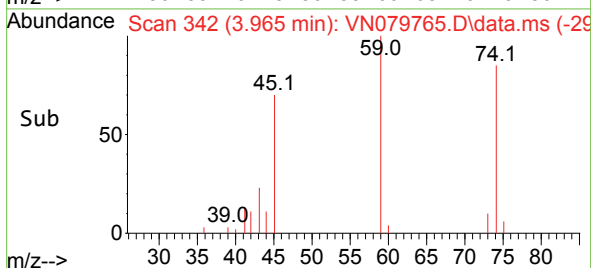
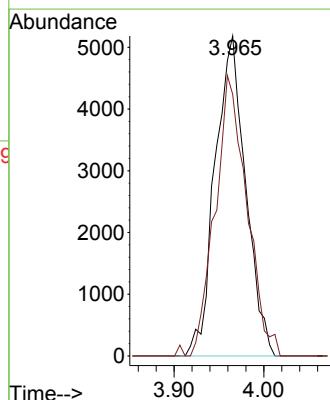
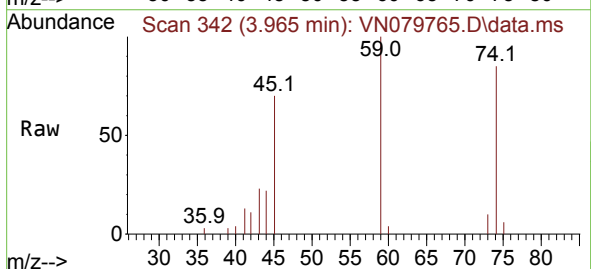
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

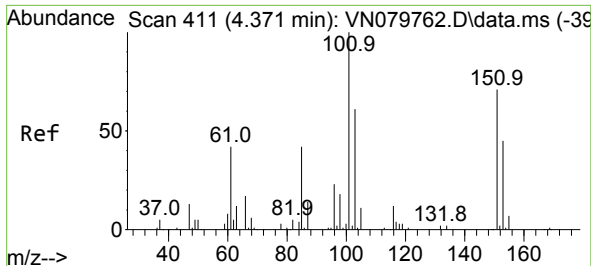
Tgt Ion:101 Resp: 30758  
Ion Ratio Lower Upper  
101 100  
103 66.6 50.7 76.1



#8  
Diethyl Ether  
Concen: 5.391 ug/l  
RT: 3.965 min Scan# 342  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion: 74 Resp: 12257  
Ion Ratio Lower Upper  
74 100  
45 90.7 34.4 103.3

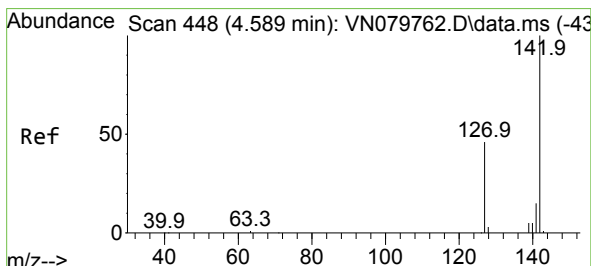
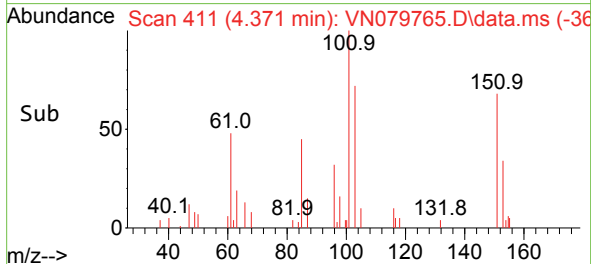
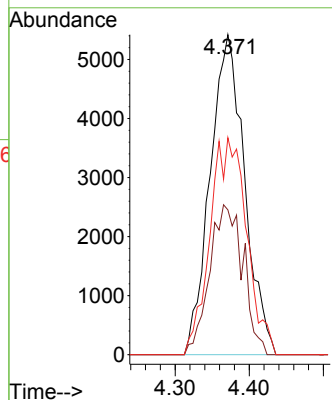
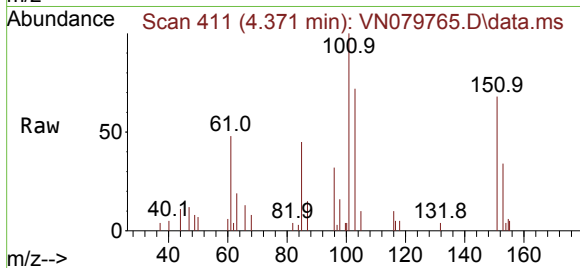




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 5.043 ug/l  
RT: 4.371 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

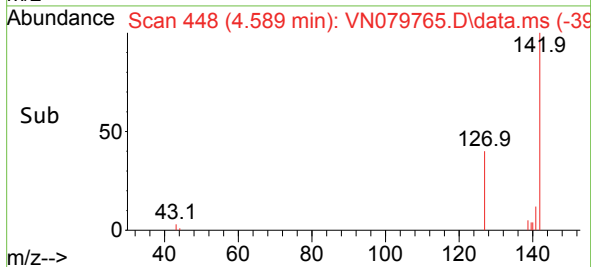
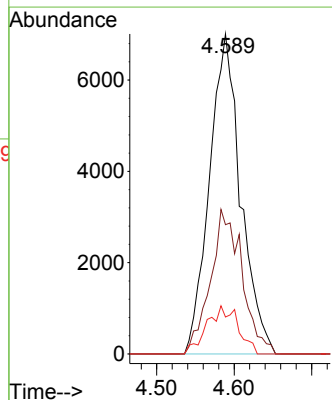
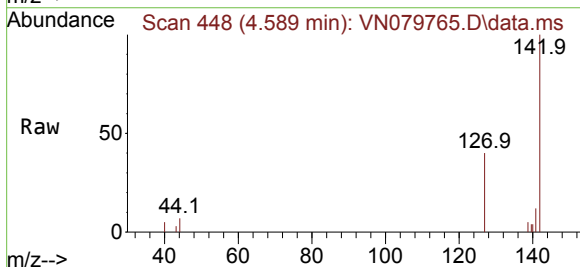
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

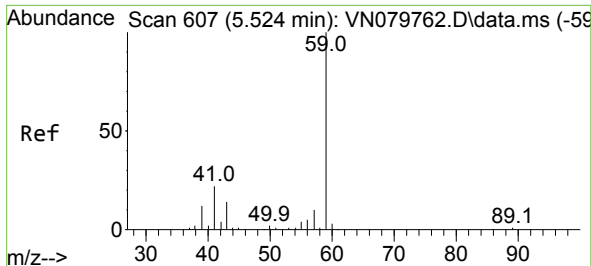
Tgt Ion:101 Resp: 17515  
Ion Ratio Lower Upper  
101 100  
85 45.7 36.6 55.0  
151 31.0 57.6 86.4#



#10  
Methyl Iodide  
Concen: 4.952 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. -0.006 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion:142 Resp: 19641  
Ion Ratio Lower Upper  
142 100  
127 40.4 37.6 56.4  
141 11.5 11.4 17.0

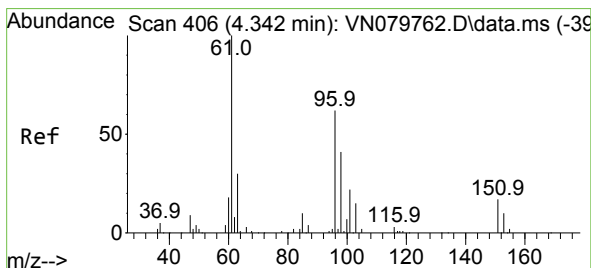
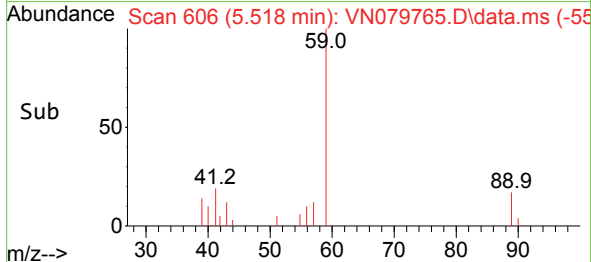
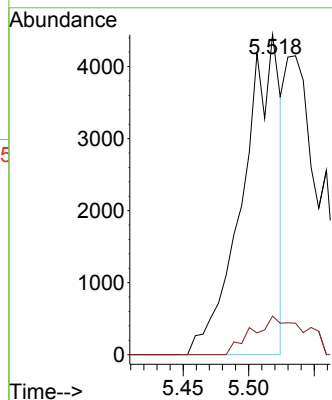
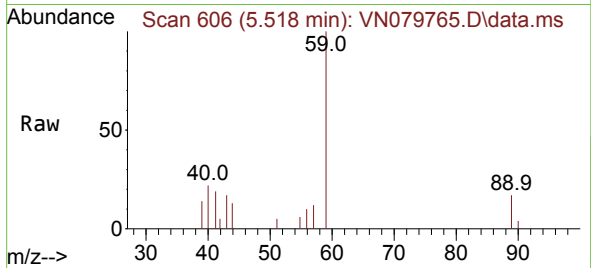




#11  
Tert butyl alcohol  
Concen: 14.798 ug/l  
RT: 5.518 min Scan# 607  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

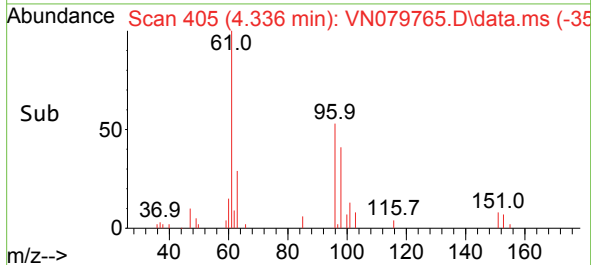
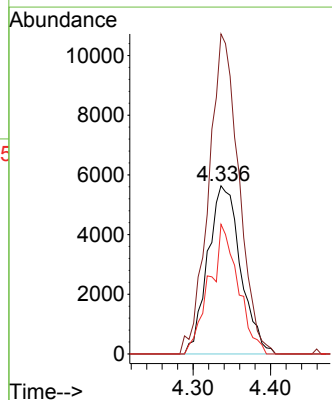
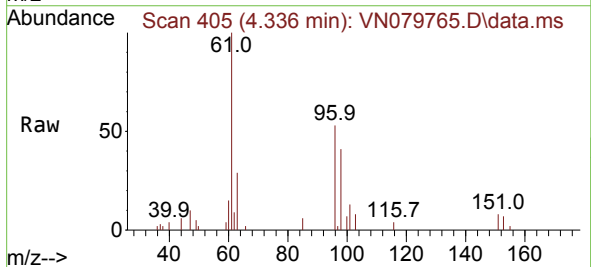
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

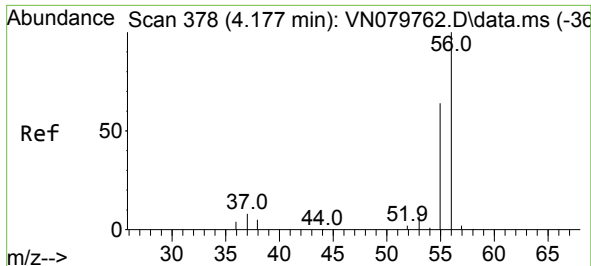
Tgt Ion: 59 Resp: 8793  
Ion Ratio Lower Upper  
59 100  
57 16.9 8.2 12.4#



#12  
1,1-Dichloroethene  
Concen: 5.035 ug/l  
RT: 4.336 min Scan# 405  
Delta R.T. -0.012 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion: 96 Resp: 16558  
Ion Ratio Lower Upper  
96 100  
61 190.2 112.7 169.1#  
98 77.1 51.2 76.8#

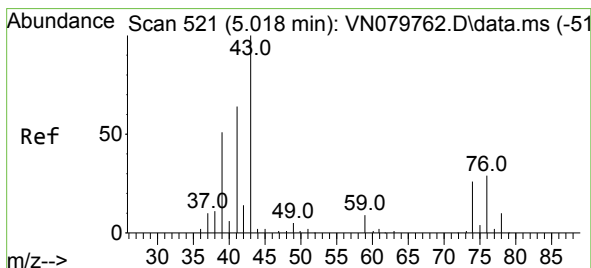
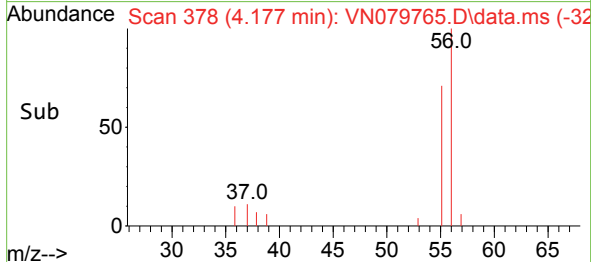
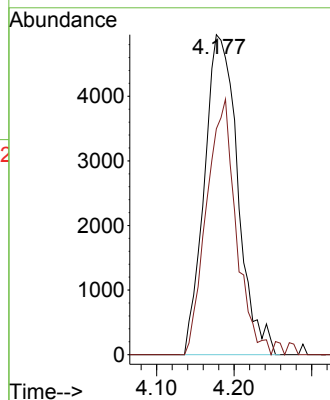
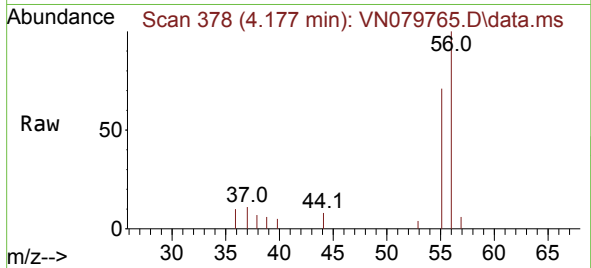




#13  
Acrolein  
Concen: 29.085 ug/l  
RT: 4.177 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

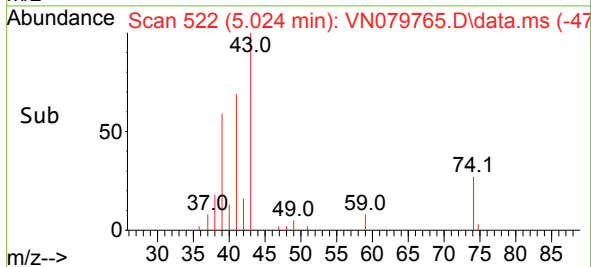
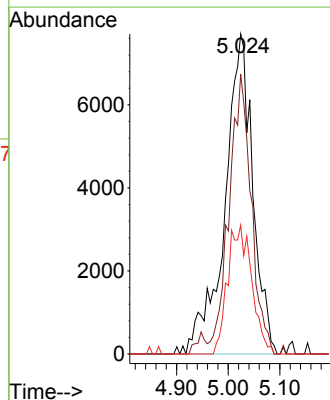
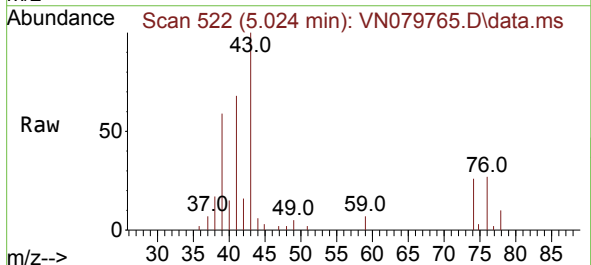
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

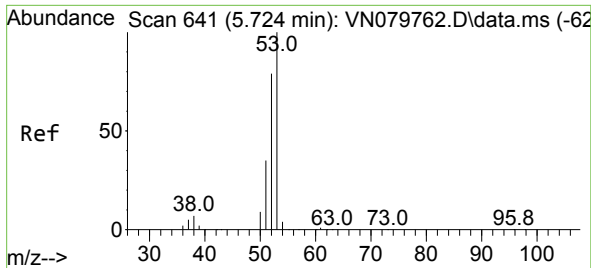
Tgt Ion: 56 Resp: 14847  
Ion Ratio Lower Upper  
56 100  
55 70.7 54.5 81.7



#14  
Allyl chloride  
Concen: 5.750 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion: 41 Resp: 28964  
Ion Ratio Lower Upper  
41 100  
39 69.2 58.8 88.2  
76 16.3 39.1 58.7#

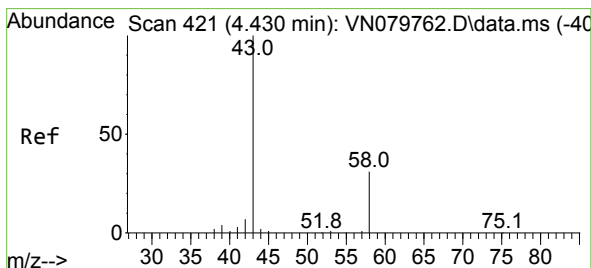
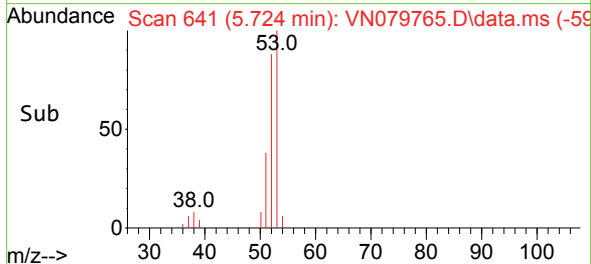
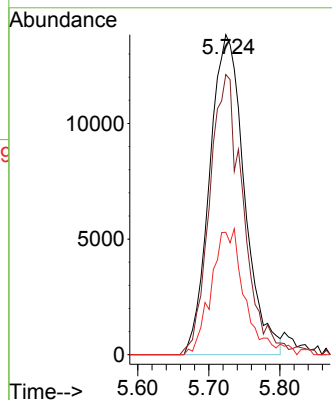
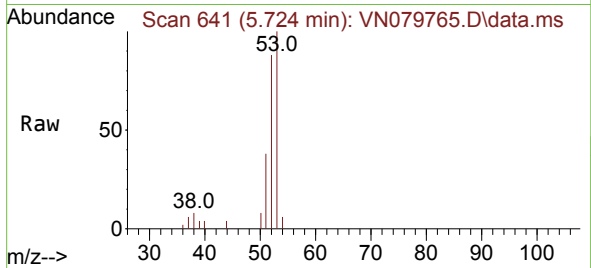




#15  
Acrylonitrile  
Concen: 25.397 ug/l  
RT: 5.724 min Scan# 641  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

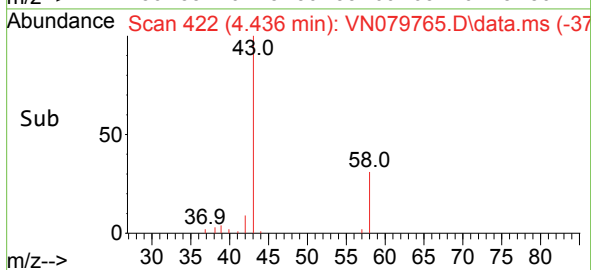
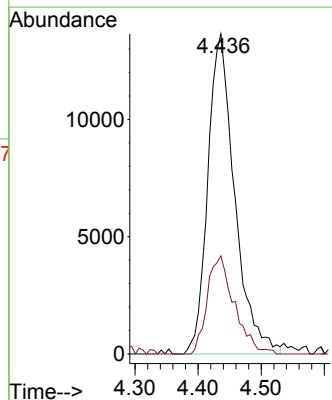
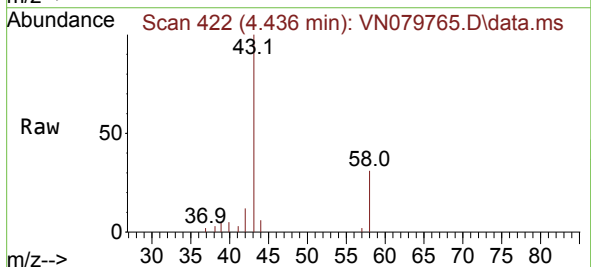
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 47028 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 84.5  | 65.3  | 97.9  |
| 51       | 36.9  | 28.9  | 43.3  |



#16  
Acetone  
Concen: 24.664 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.006 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 40327 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 30.7  | 28.0  | 42.0  |

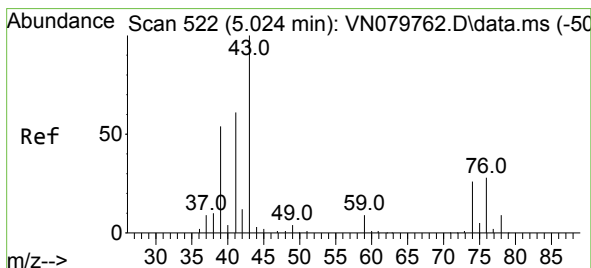
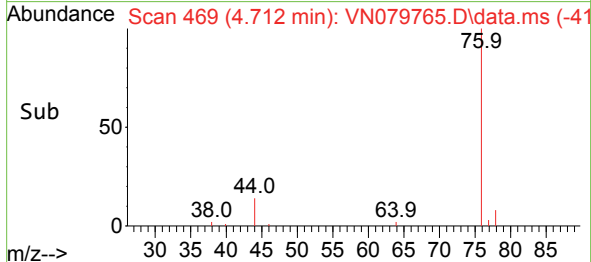
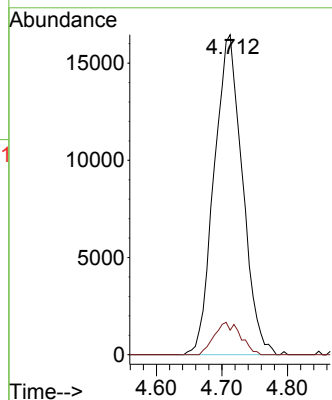
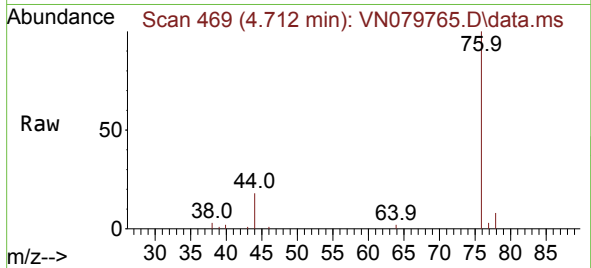




#17  
Carbon Disulfide  
Concen: 5.187 ug/l  
RT: 4.712 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

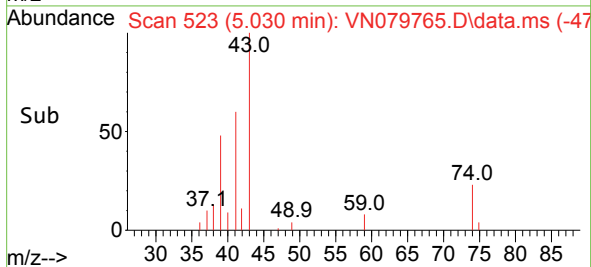
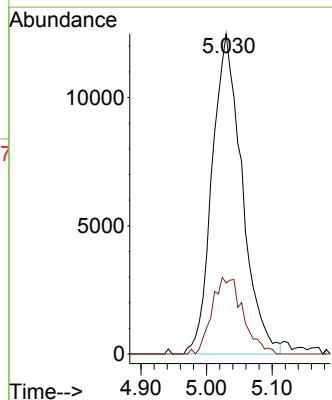
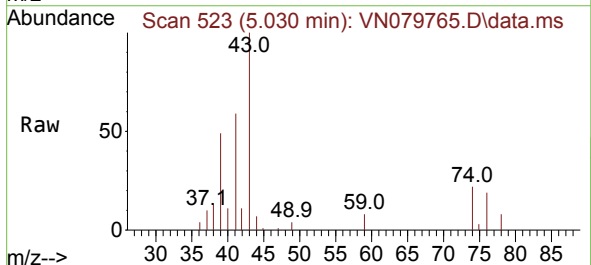
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

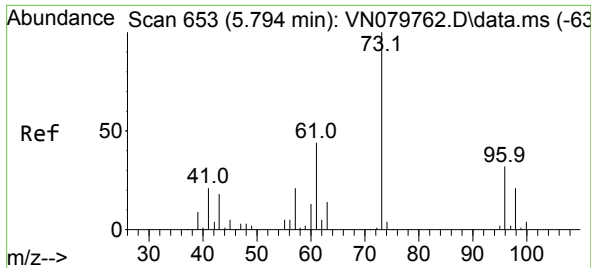
Tgt Ion: 76 Resp: 49204  
Ion Ratio Lower Upper  
76 100  
78 7.7 7.4 11.0



#18  
Methyl Acetate  
Concen: 5.051 ug/l  
RT: 5.030 min Scan# 523  
Delta R.T. 0.006 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion: 43 Resp: 39512  
Ion Ratio Lower Upper  
43 100  
74 24.9 26.2 39.4#

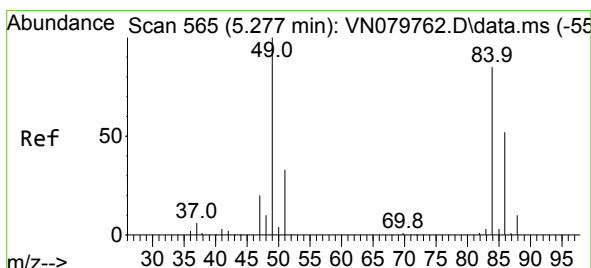
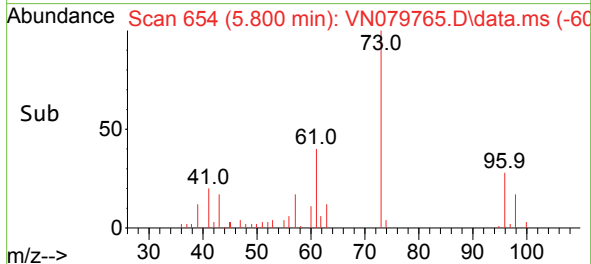
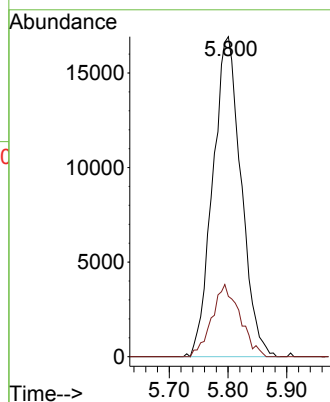
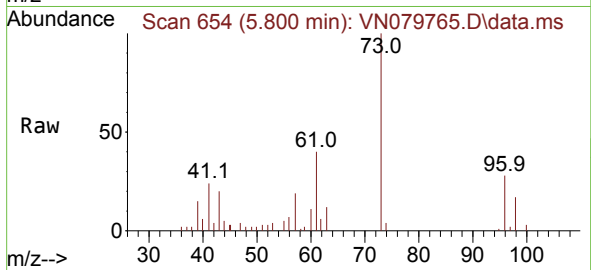




#19  
Methyl tert-butyl Ether  
Concen: 5.007 ug/l  
RT: 5.800 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

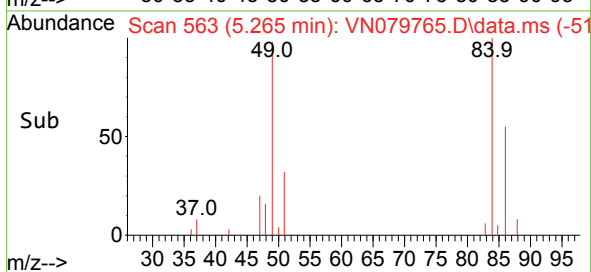
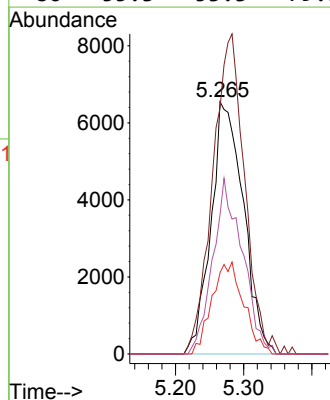
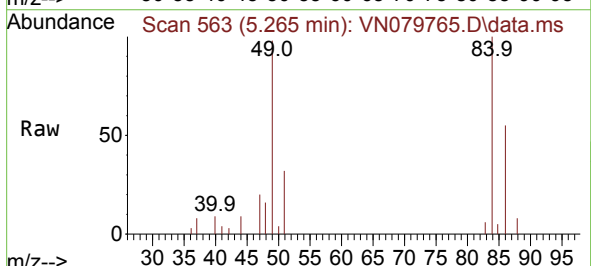
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

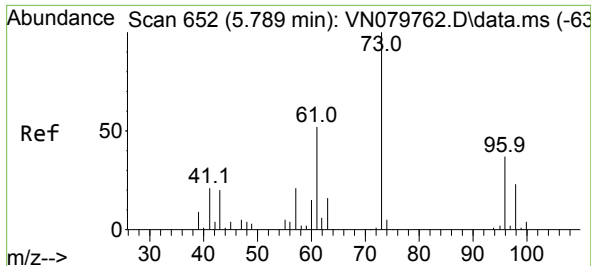
Tgt Ion: 73 Resp: 56690  
Ion Ratio Lower Upper  
73 100  
57 18.9 15.6 23.4



#20  
Methylene Chloride  
Concen: 5.244 ug/l  
RT: 5.265 min Scan# 563  
Delta R.T. -0.006 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion: 84 Resp: 21633  
Ion Ratio Lower Upper  
84 100  
49 97.5 79.7 119.5  
51 32.3 25.2 37.8  
86 55.3 53.3 79.9

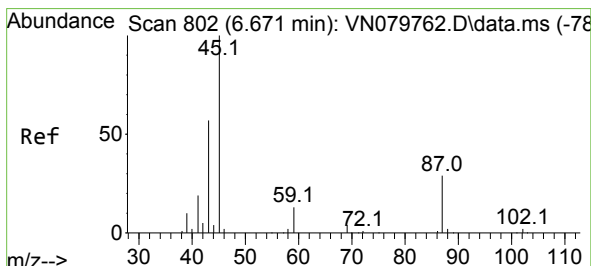
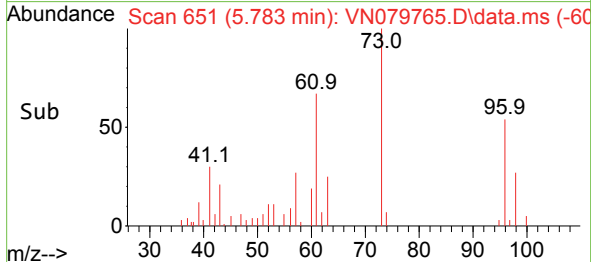
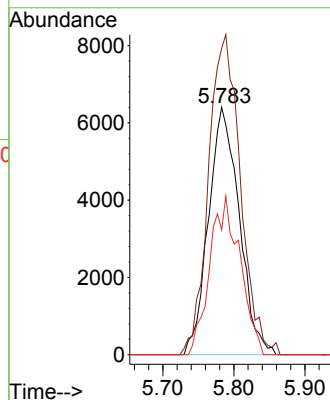
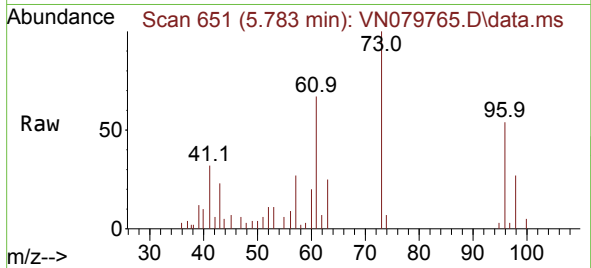




#21  
trans-1,2-Dichloroethene  
Concen: 5.246 ug/l  
RT: 5.783 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

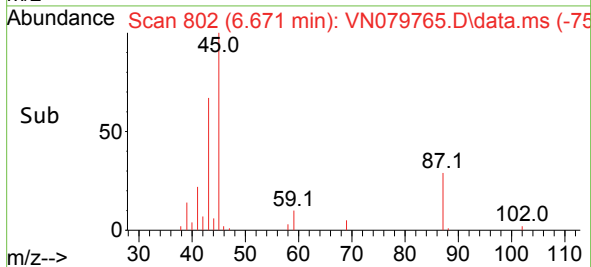
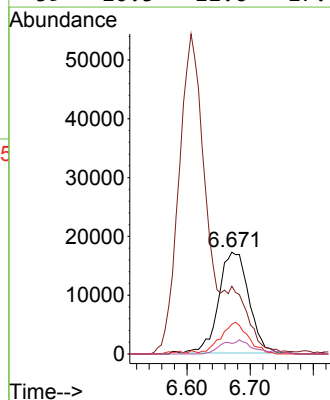
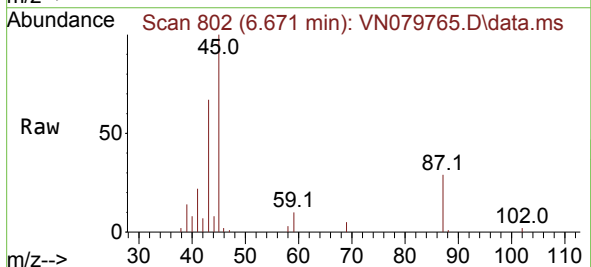
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

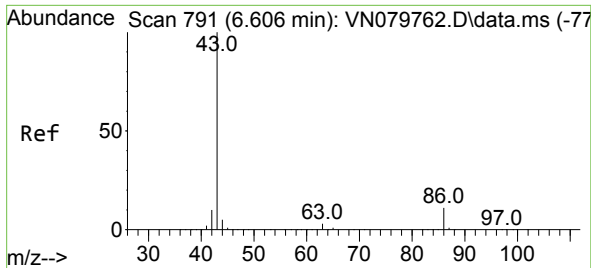
Tgt Ion: 96 Resp: 19242  
Ion Ratio Lower Upper  
96 100  
61 123.8 90.1 135.1  
98 50.4 46.4 69.6



#22  
Diisopropyl ether  
Concen: 4.859 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. -0.006 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion: 45 Resp: 56717  
Ion Ratio Lower Upper  
45 100  
43 64.8 45.5 68.3  
87 29.5 31.8 47.8#  
59 10.5 11.6 17.4#

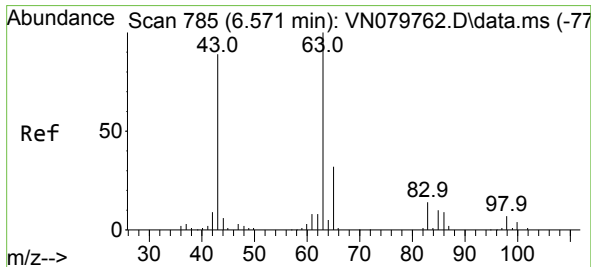
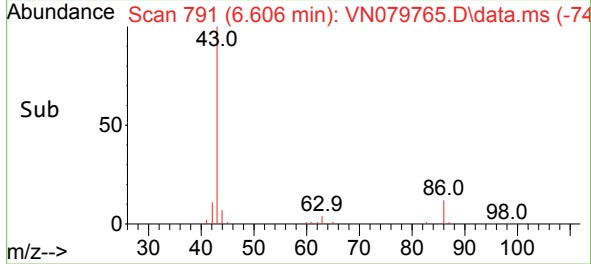
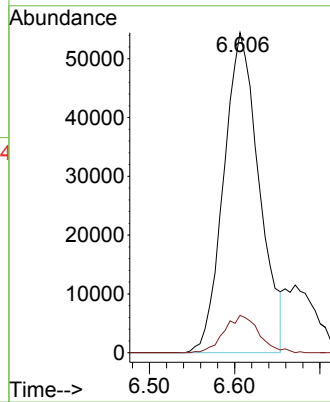
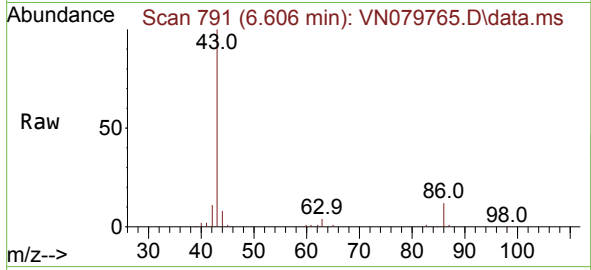




#23  
 Vinyl Acetate  
 Concen: 24.367 ug/l  
 RT: 6.606 min Scan# 791  
 Delta R.T. 0.000 min  
 Lab File: VN079765.D  
 Acq: 01 Nov 2023 11:38

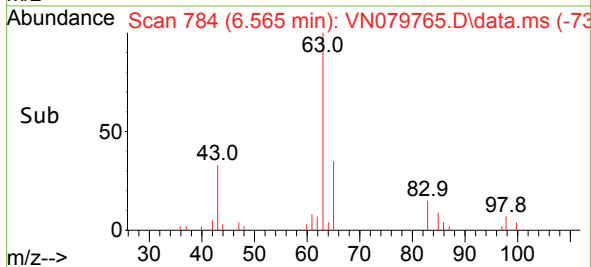
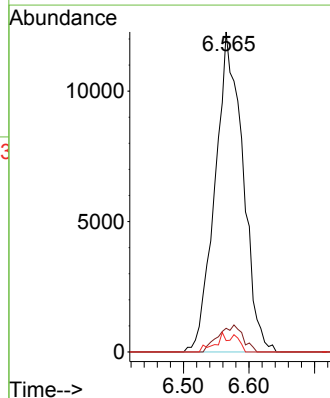
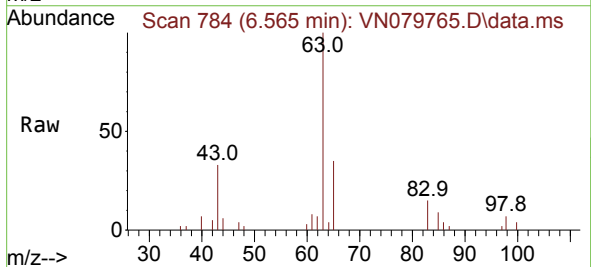
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

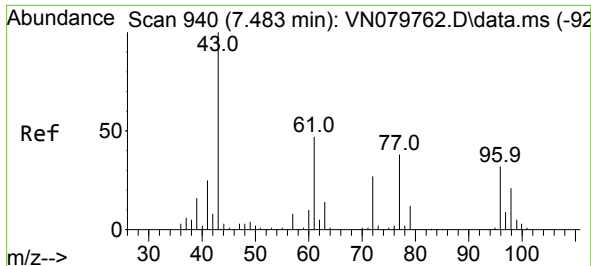
Tgt Ion: 43 Resp: 156891  
 Ion Ratio Lower Upper  
 43 100  
 86 11.7 13.0 19.6#



#24  
 1,1-Dichloroethane  
 Concen: 5.074 ug/l  
 RT: 6.565 min Scan# 784  
 Delta R.T. -0.006 min  
 Lab File: VN079765.D  
 Acq: 01 Nov 2023 11:38

Tgt Ion: 63 Resp: 36002  
 Ion Ratio Lower Upper  
 63 100  
 98 7.4 3.9 11.7  
 100 3.6 2.5 7.4

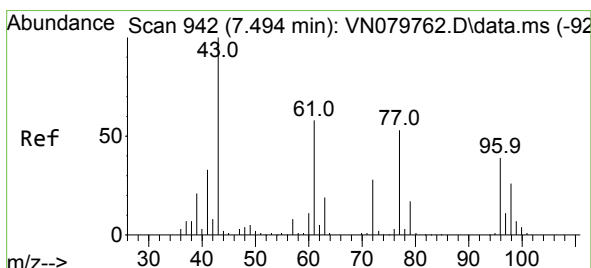
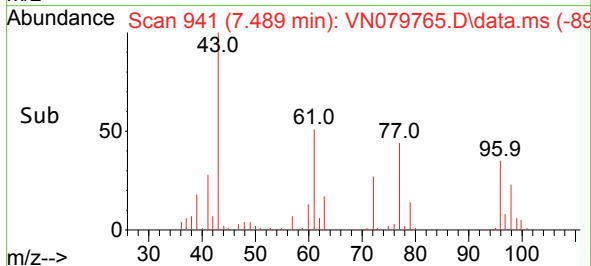
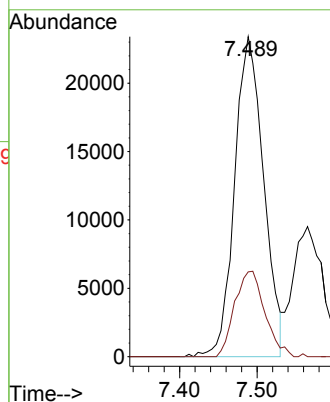
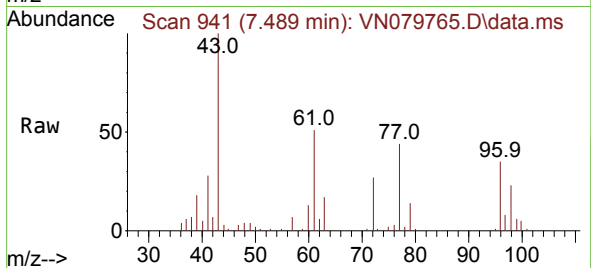




#25  
2-Butanone  
Concen: 25.458 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

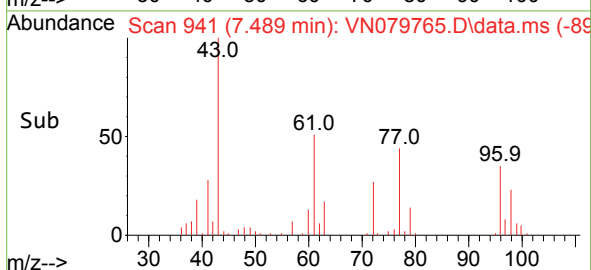
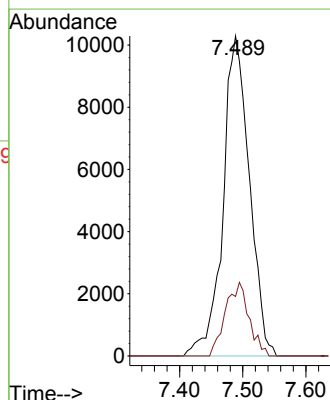
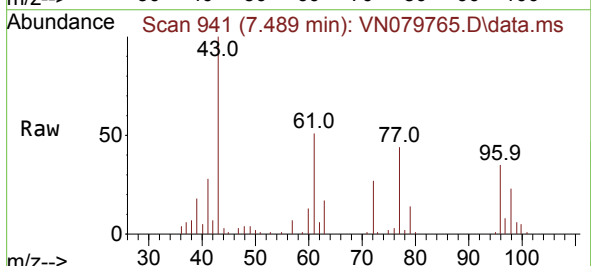
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

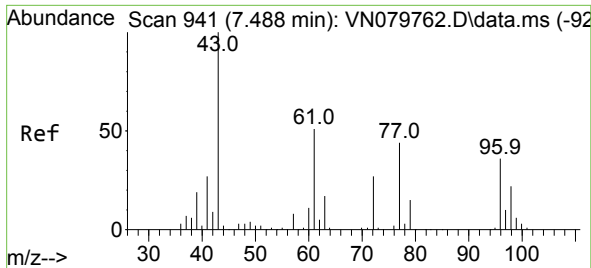
Tgt Ion: 43 Resp: 60954  
Ion Ratio Lower Upper  
43 100  
72 26.5 30.2 45.2#



#26  
2,2-Dichloropropane  
Concen: 5.086 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion: 77 Resp: 29840  
Ion Ratio Lower Upper  
77 100  
97 20.6 11.2 33.6

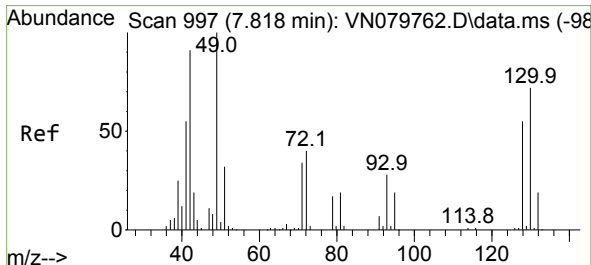
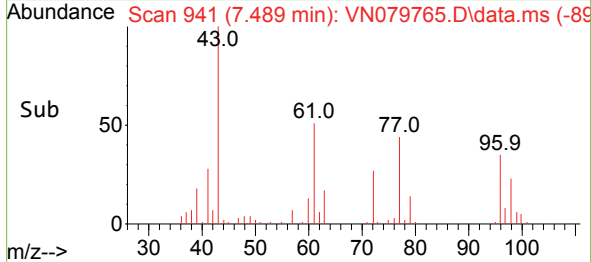
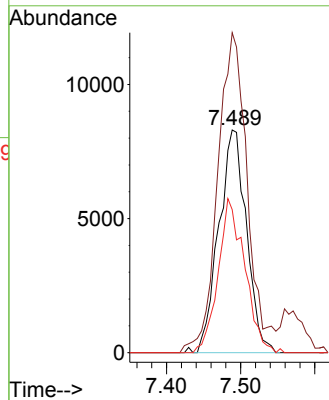
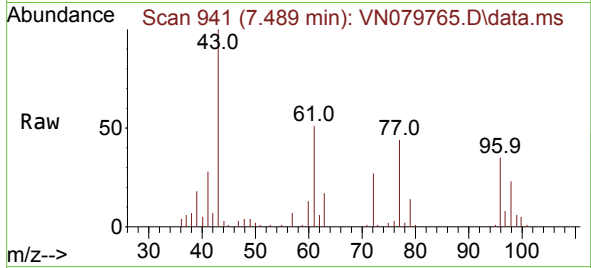




#27  
 cis-1,2-Dichloroethene  
 Concen: 4.916 ug/l  
 RT: 7.489 min Scan# 941  
 Delta R.T. 0.000 min  
 Lab File: VN079765.D  
 Acq: 01 Nov 2023 11:38

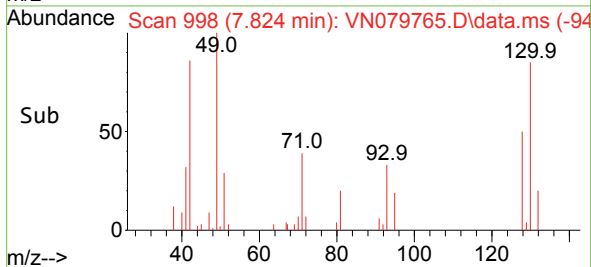
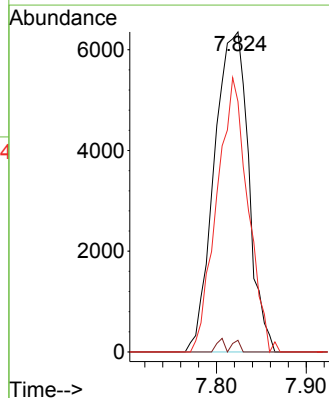
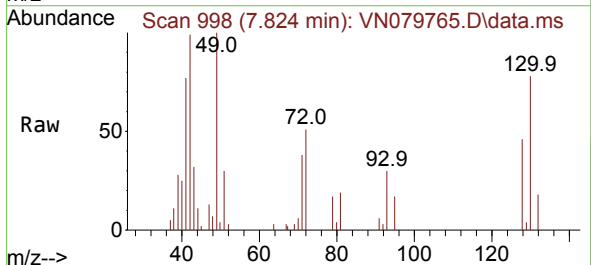
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

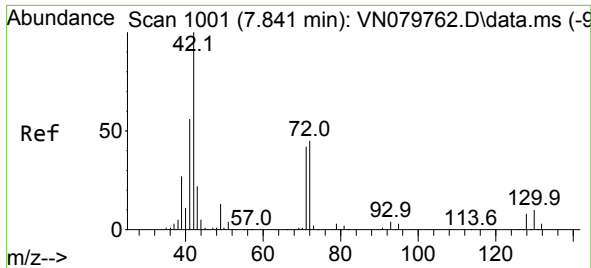
Tgt Ion: 96 Resp: 21570  
 Ion Ratio Lower Upper  
 96 100  
 61 153.0 0.0 255.2  
 98 66.4 0.0 128.8



#28  
 Bromochloromethane  
 Concen: 4.882 ug/l  
 RT: 7.824 min Scan# 998  
 Delta R.T. 0.012 min  
 Lab File: VN079765.D  
 Acq: 01 Nov 2023 11:38

Tgt Ion: 49 Resp: 16881  
 Ion Ratio Lower Upper  
 49 100  
 129 0.8 0.0 4.8  
 130 77.6 75.3 112.9

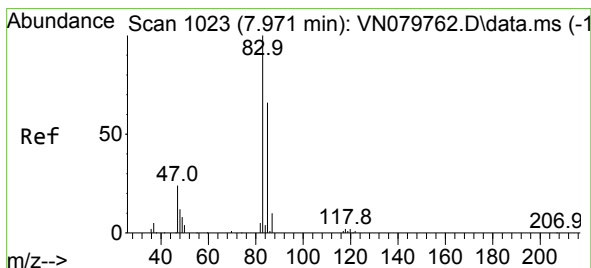
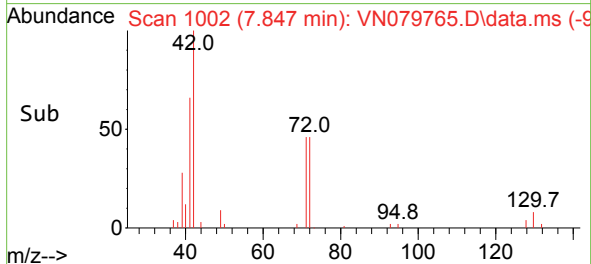
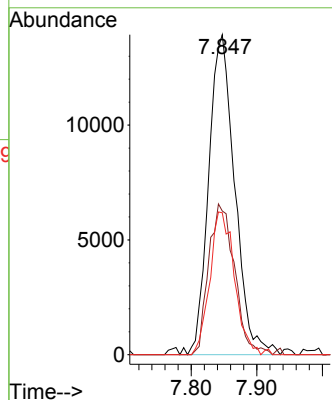
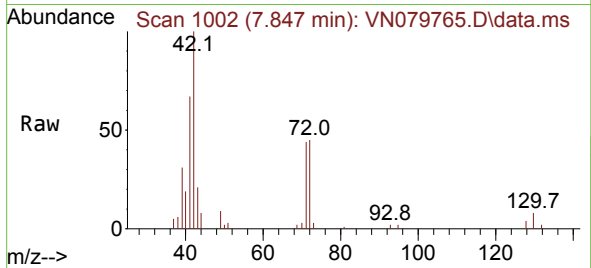




#29  
Tetrahydrofuran  
Concen: 24.772 ug/l  
RT: 7.847 min Scan# 1001  
Delta R.T. 0.006 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

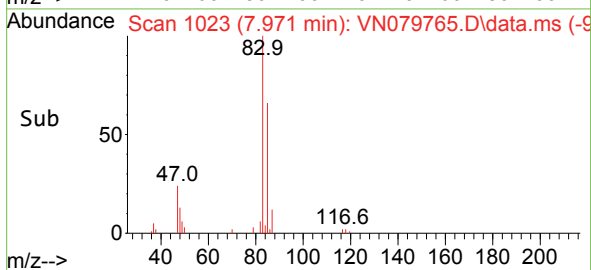
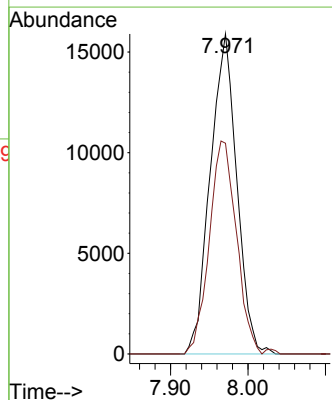
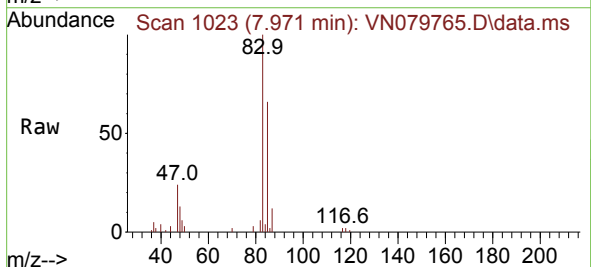
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

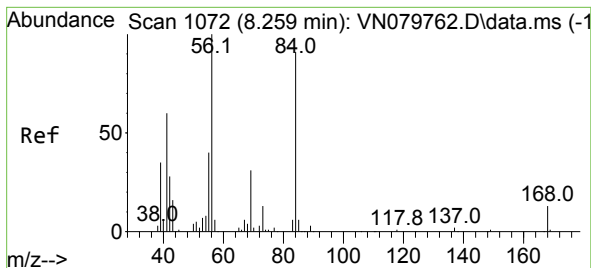
Tgt Ion: 42 Resp: 38588  
Ion Ratio Lower Upper  
42 100  
72 46.7 49.8 74.6#  
71 42.0 47.4 71.2#



#30  
Chloroform  
Concen: 4.911 ug/l  
RT: 7.971 min Scan# 1023  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion: 83 Resp: 37845  
Ion Ratio Lower Upper  
83 100  
85 65.8 55.4 83.0





#31

Cyclohexane

Concen: 5.811 ug/l

RT: 8.259 min Scan# 1072

Delta R.T. 0.000 min

Lab File: VN079765.D

Acq: 01 Nov 2023 11:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

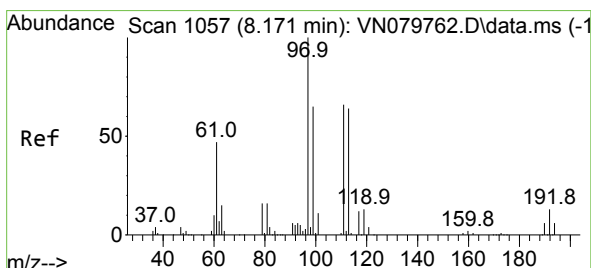
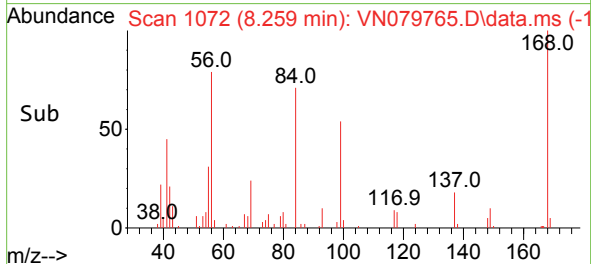
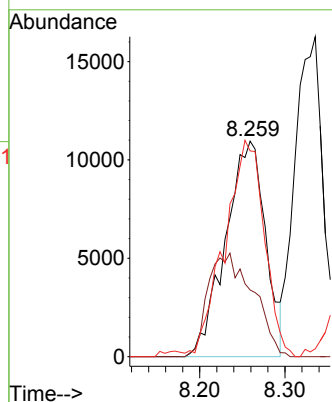
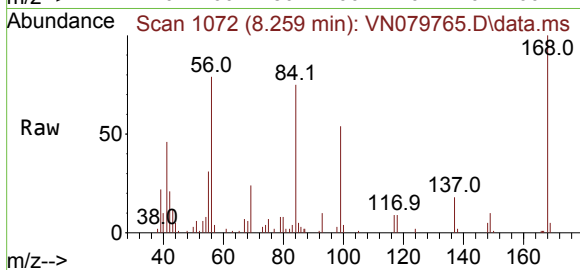
Tgt Ion: 56 Resp: 35743

Ion Ratio Lower Upper

56 100

69 30.9 26.8 40.2

84 93.3 81.8 122.6



#32

1,1,1-Trichloroethane

Concen: 5.080 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN079765.D

Acq: 01 Nov 2023 11:38

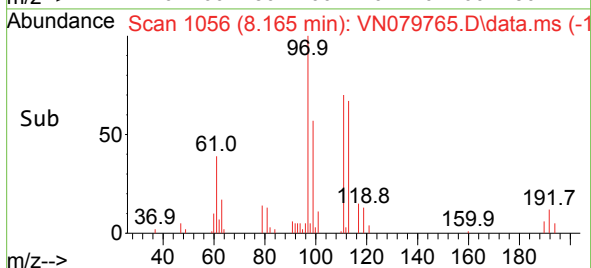
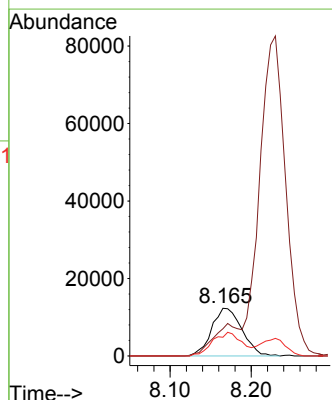
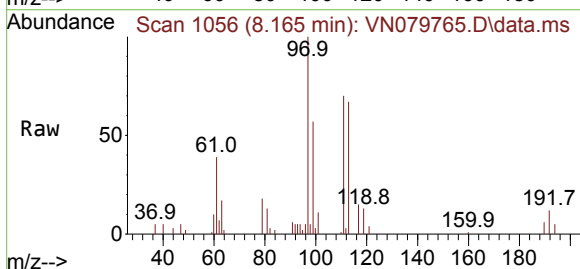
Tgt Ion: 97 Resp: 31901

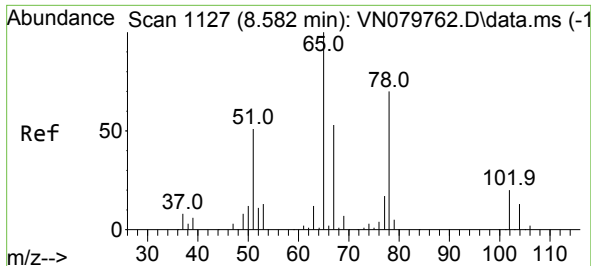
Ion Ratio Lower Upper

97 100

99 60.2 50.3 75.5

61 48.0 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 5.425 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079765.D

Acq: 01 Nov 2023 11:38

Instrument :

MSVOA\_N

ClientSampleId :

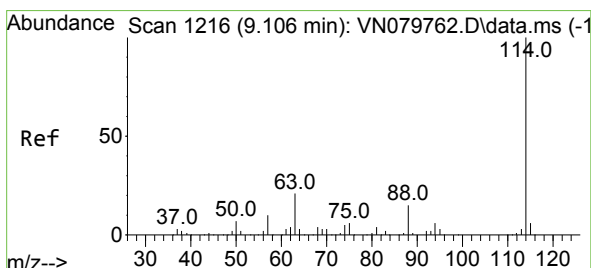
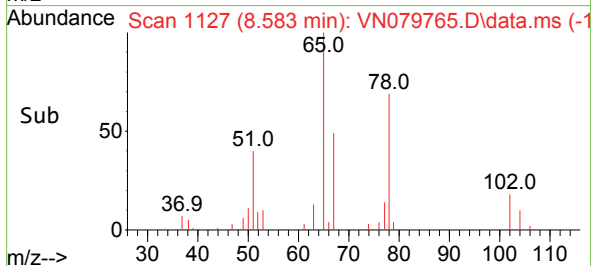
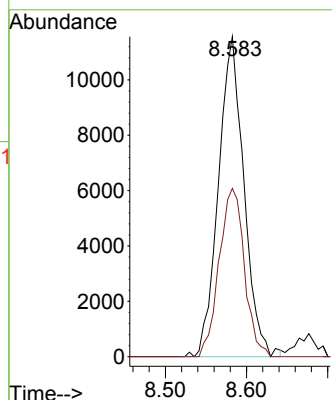
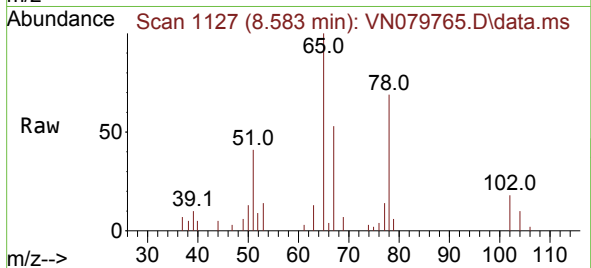
VSTDIC005

Tgt Ion: 65 Resp: 25252

Ion Ratio Lower Upper

65 100

67 52.1 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: VN079765.D

Acq: 01 Nov 2023 11:38

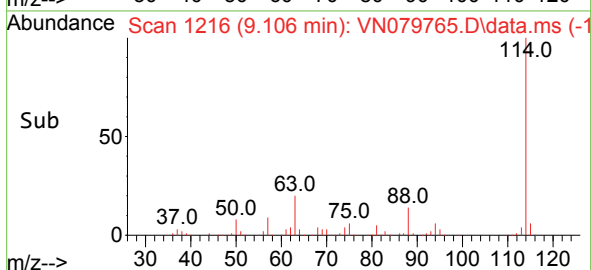
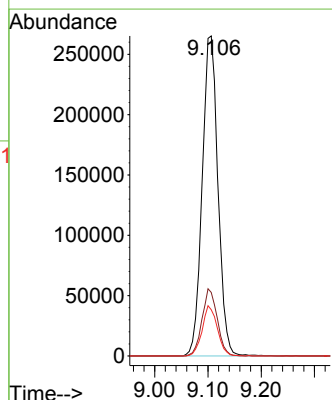
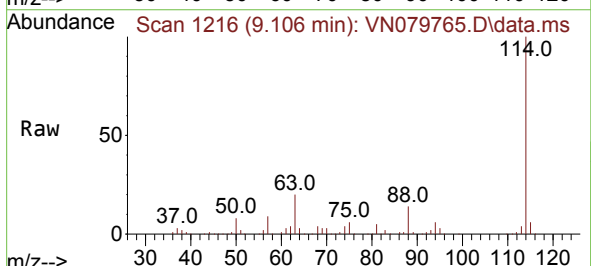
Tgt Ion: 114 Resp: 544074

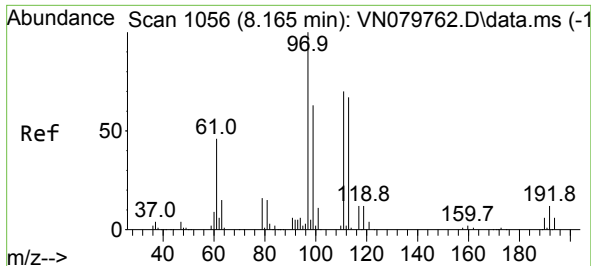
Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.4

88 14.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 5.155 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN079765.D

Acq: 01 Nov 2023 11:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

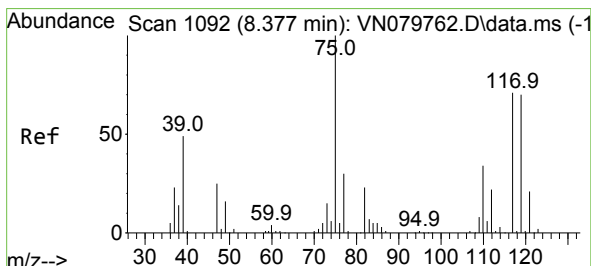
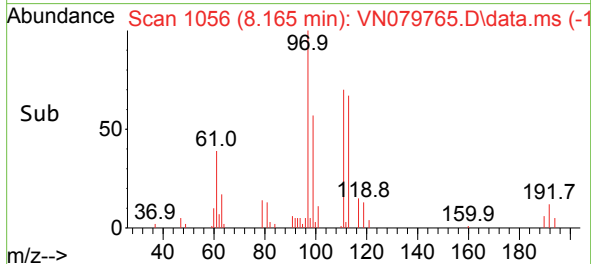
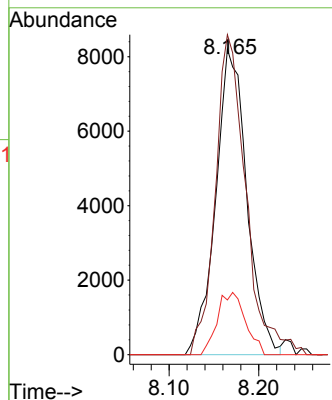
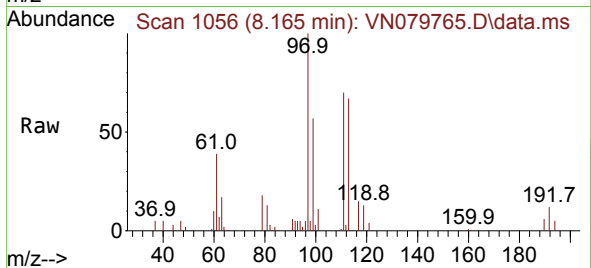
Tgt Ion:113 Resp: 19851

Ion Ratio Lower Upper

113 100

111 102.0 82.6 123.8

192 18.3 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.943 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. -0.006 min

Lab File: VN079765.D

Acq: 01 Nov 2023 11:38

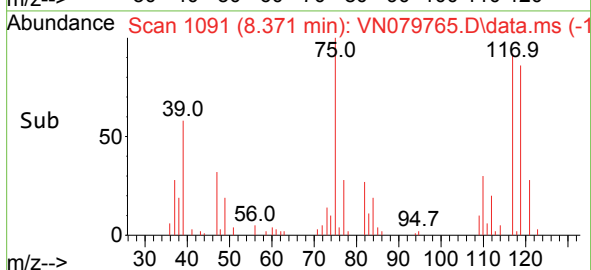
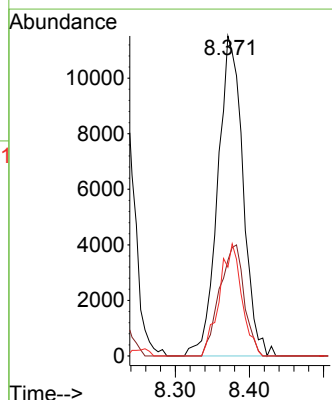
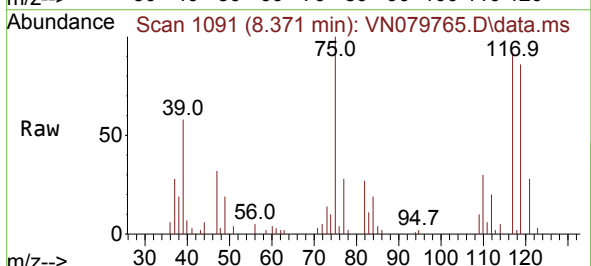
Tgt Ion: 75 Resp: 27175

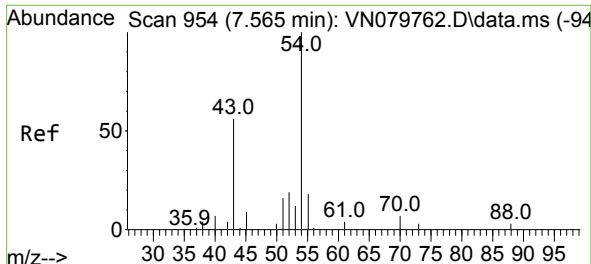
Ion Ratio Lower Upper

75 100

110 33.9 19.1 57.3

77 31.3 25.0 37.4

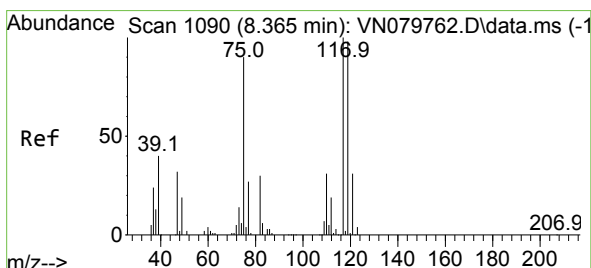
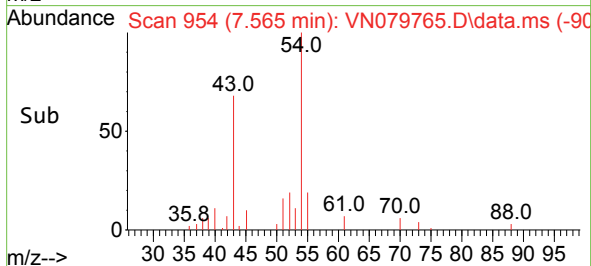
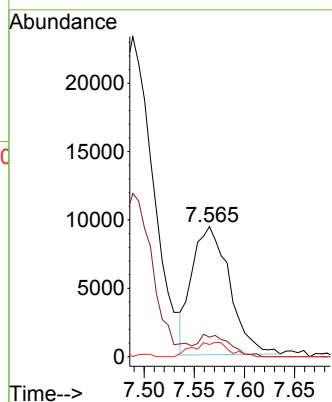
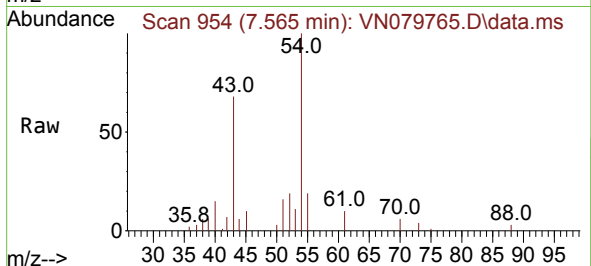




#37  
Ethyl Acetate  
Concen: 4.859 ug/l  
RT: 7.565 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

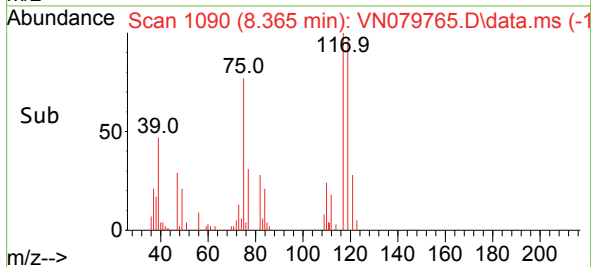
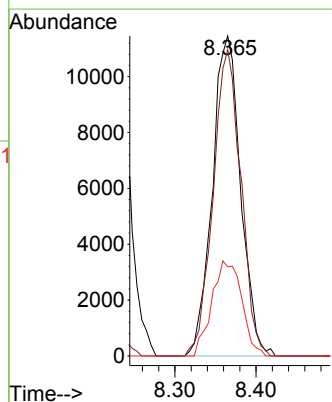
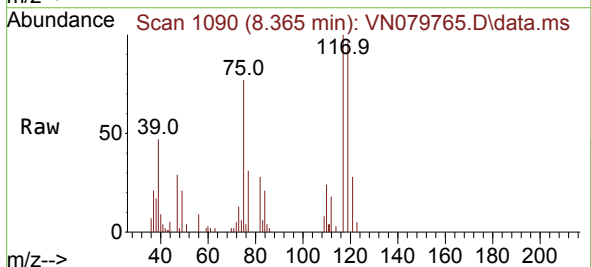
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

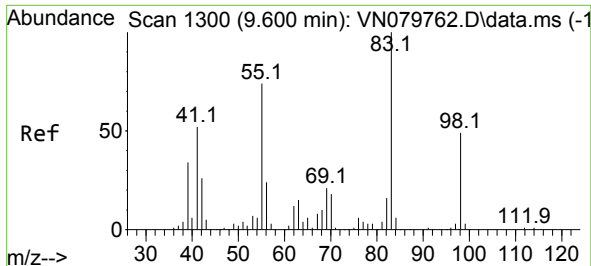
Tgt Ion: 43 Resp: 24504  
Ion Ratio Lower Upper  
43 100  
61 14.1 13.2 19.8  
70 10.9 11.3 16.9#



#38  
Carbon Tetrachloride  
Concen: 5.007 ug/l  
RT: 8.365 min Scan# 1090  
Delta R.T. 0.006 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion: 117 Resp: 27747  
Ion Ratio Lower Upper  
117 100  
119 95.7 77.3 115.9  
121 27.8 23.3 34.9

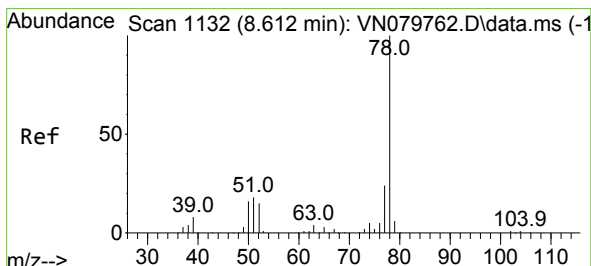
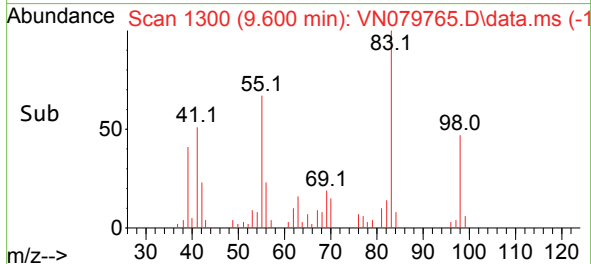
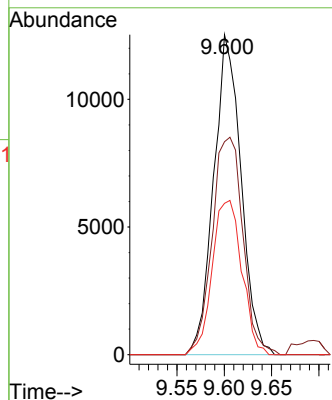
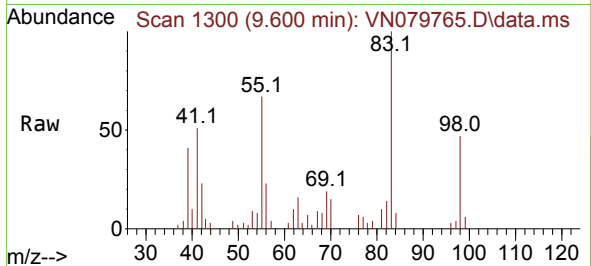




#39  
Methylcyclohexane  
Concen: 4.866 ug/l  
RT: 9.600 min Scan# 1130  
Delta R.T. -0.006 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

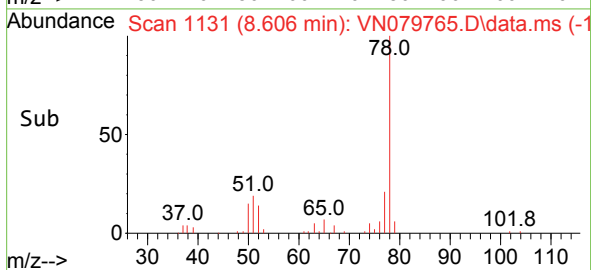
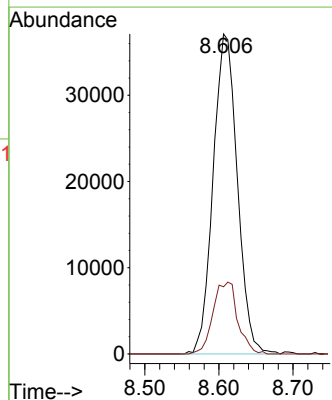
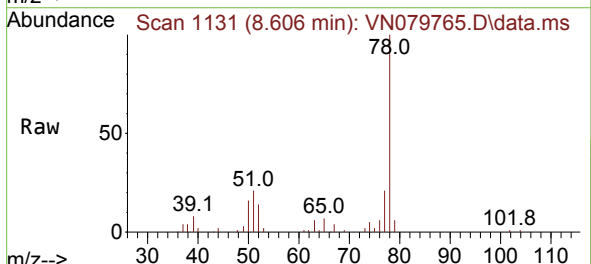
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

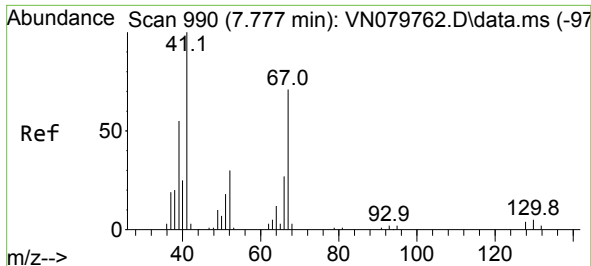
Tgt Ion: 83 Resp: 25179  
Ion Ratio Lower Upper  
83 100  
55 66.6 49.1 73.7  
98 47.3 40.6 61.0



#40  
Benzene  
Concen: 5.116 ug/l  
RT: 8.606 min Scan# 1131  
Delta R.T. -0.006 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion: 78 Resp: 84251  
Ion Ratio Lower Upper  
78 100  
77 21.0 19.0 28.6

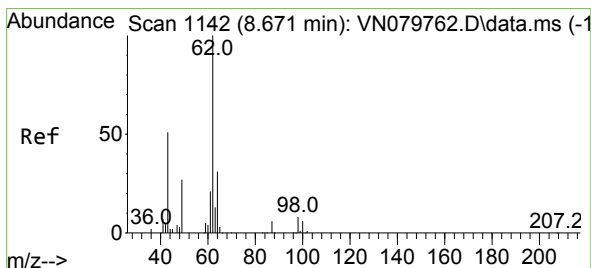
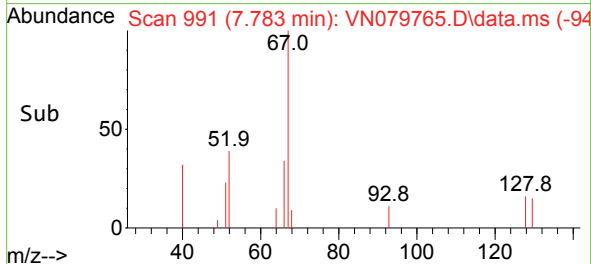
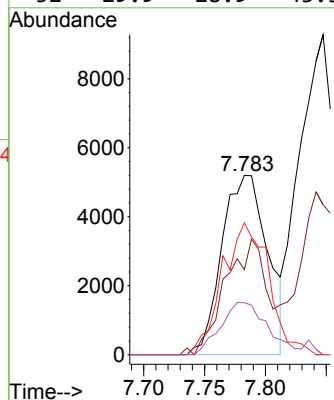
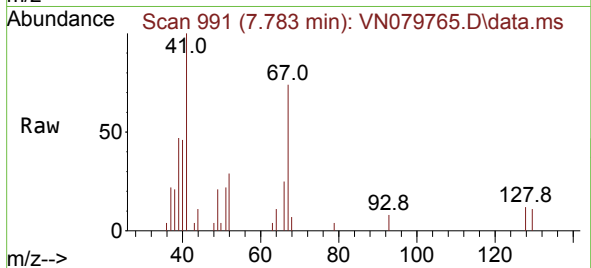




#41  
Methacrylonitrile  
Concen: 5.080 ug/l  
RT: 7.783 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

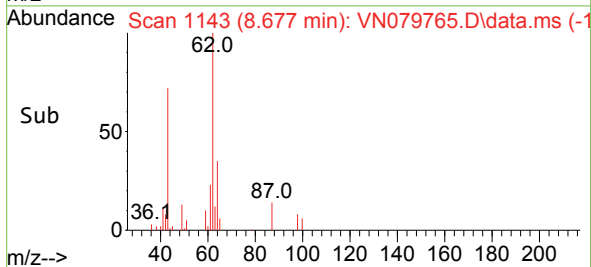
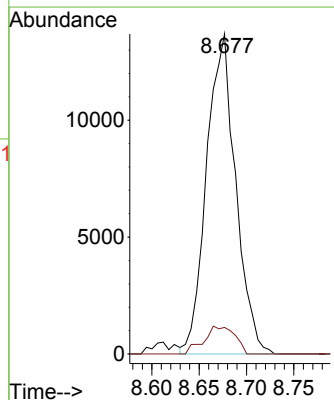
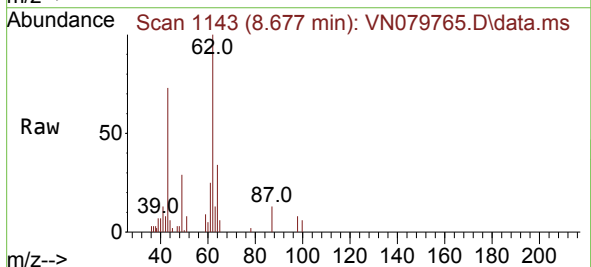
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

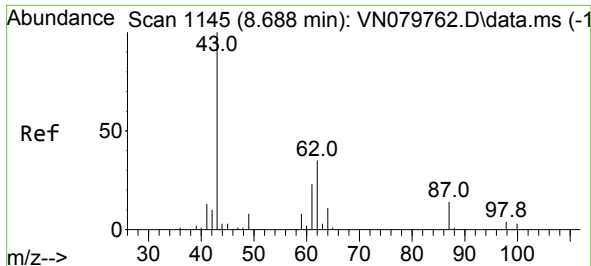
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 13602 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 60.3     | 42.6 64.0   |
| 67 74.7     | 77.5 116.3# |
| 52 29.9     | 28.9 43.3   |



#42  
1,2-Dichloroethane  
Concen: 5.089 ug/l  
RT: 8.677 min Scan# 1143  
Delta R.T. 0.006 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

|             |             |
|-------------|-------------|
| Tgt Ion: 62 | Resp: 29272 |
| Ion Ratio   | Lower Upper |
| 62 100      |             |
| 98 9.2      | 0.0 19.8    |

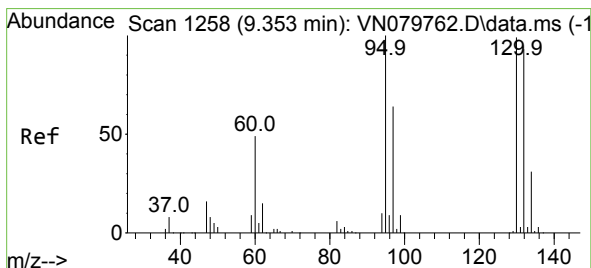
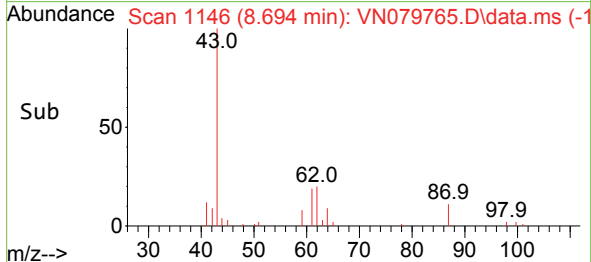
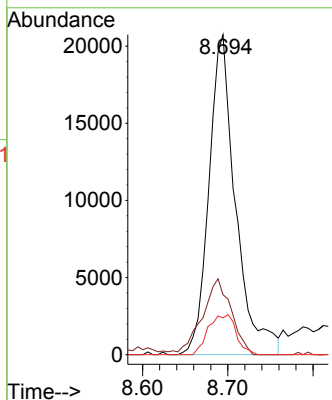
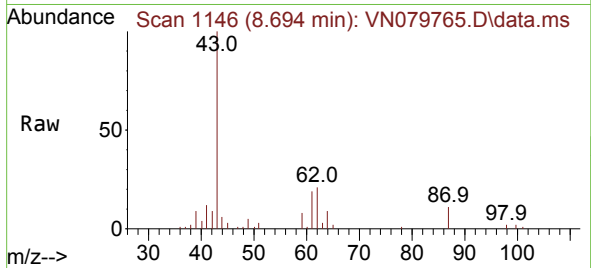




#43  
Isopropyl Acetate  
Concen: 5.093 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

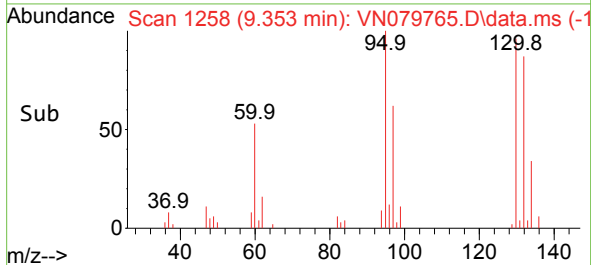
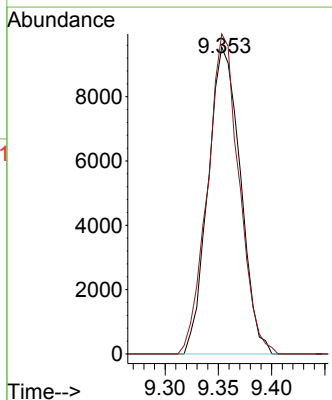
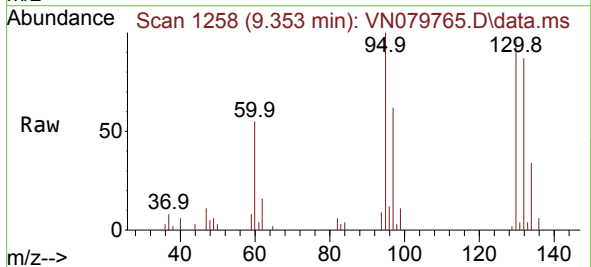
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

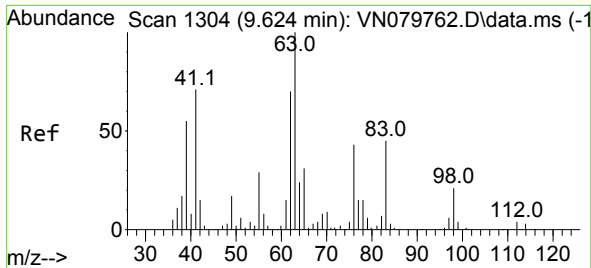
Tgt Ion: 43 Resp: 45040  
Ion Ratio Lower Upper  
43 100  
61 26.0 24.7 37.1  
87 13.0 14.6 21.8#



#44  
Trichloroethene  
Concen: 4.925 ug/l  
RT: 9.353 min Scan# 1258  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion:130 Resp: 20127  
Ion Ratio Lower Upper  
130 100  
95 104.3 0.0 204.6

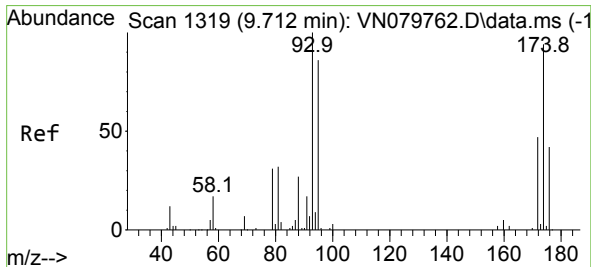
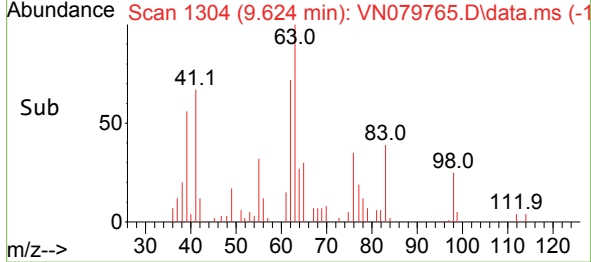
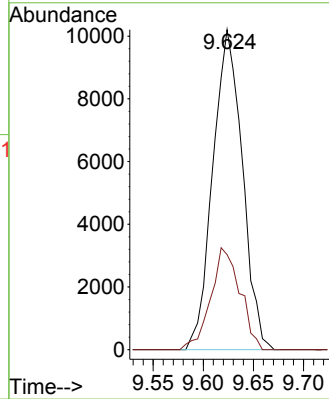
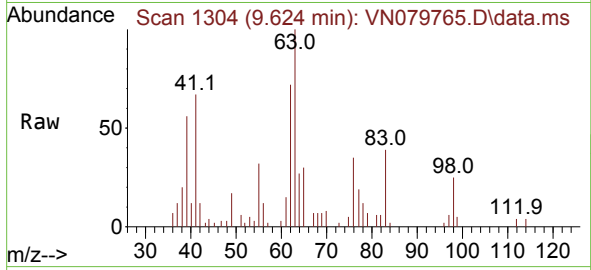




#45  
1,2-Dichloropropane  
Concen: 4.968 ug/l  
RT: 9.624 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

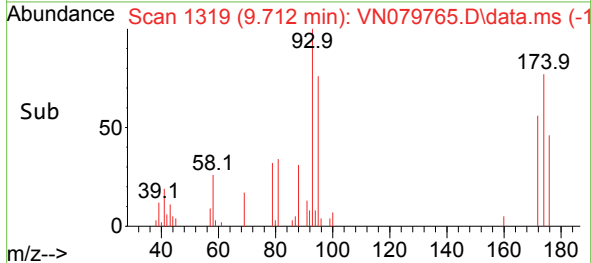
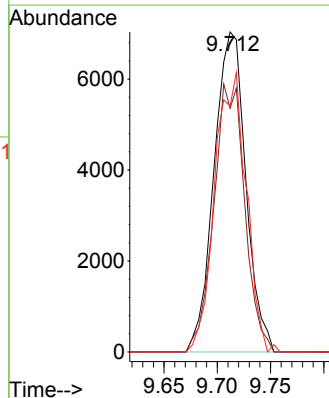
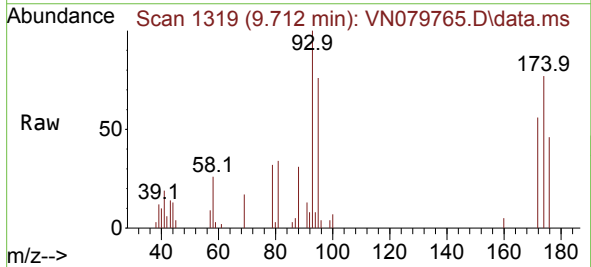
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Tgt Ion: 63 Resp: 20908  
Ion Ratio Lower Upper  
63 100  
65 29.7 23.9 35.9



#46  
Dibromomethane  
Concen: 5.088 ug/l  
RT: 9.712 min Scan# 1319  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion: 93 Resp: 14620  
Ion Ratio Lower Upper  
93 100  
95 81.3 63.8 95.8  
174 85.7 65.6 98.4





#47

Bromodichloromethane

Concen: 4.891 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.000 min

Lab File: VN079765.D

Acq: 01 Nov 2023 11:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

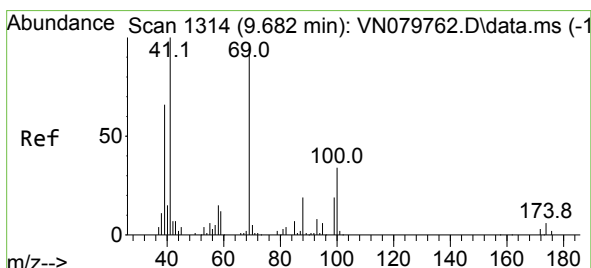
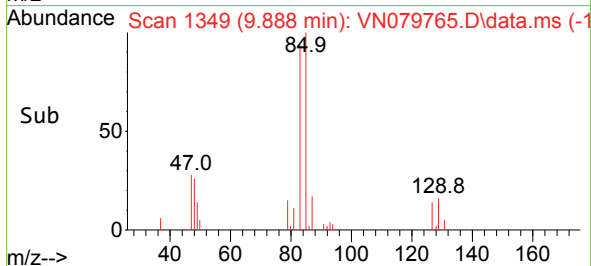
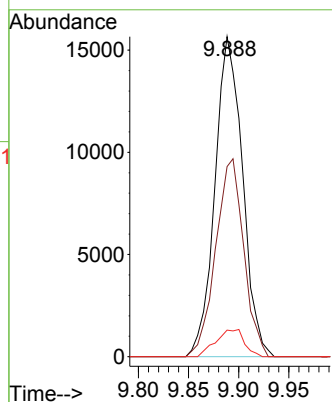
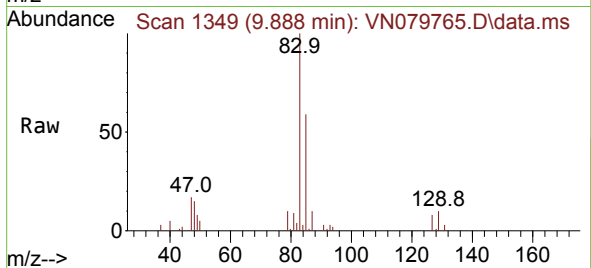
Tgt Ion: 83 Resp: 29976

Ion Ratio Lower Upper

83 100

85 59.4 49.6 74.4

127 8.3 7.0 10.6



#48

Methyl methacrylate

Concen: 4.629 ug/l

RT: 9.683 min Scan# 1314

Delta R.T. 0.000 min

Lab File: VN079765.D

Acq: 01 Nov 2023 11:38

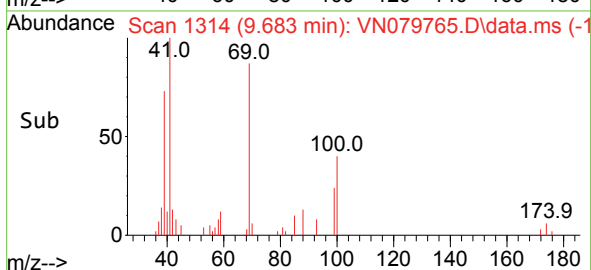
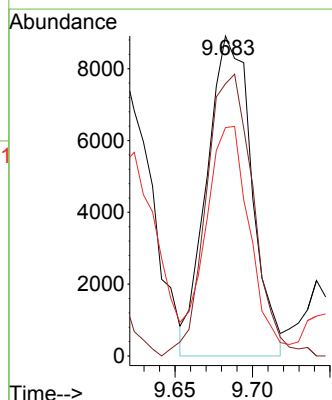
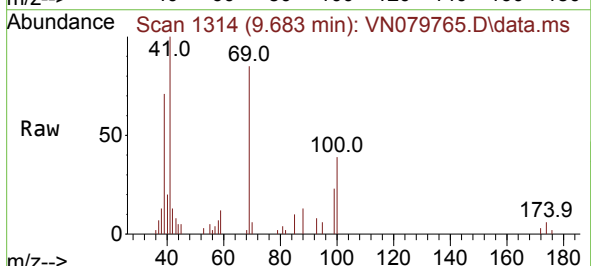
Tgt Ion: 41 Resp: 17931

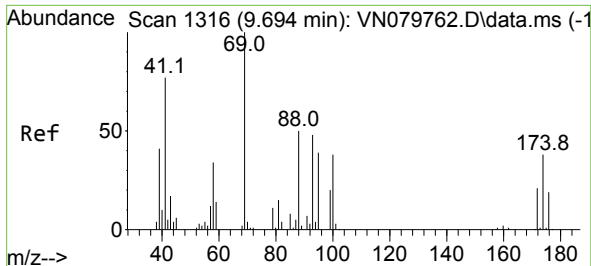
Ion Ratio Lower Upper

41 100

69 92.2 90.4 135.6

39 70.9 54.6 81.8

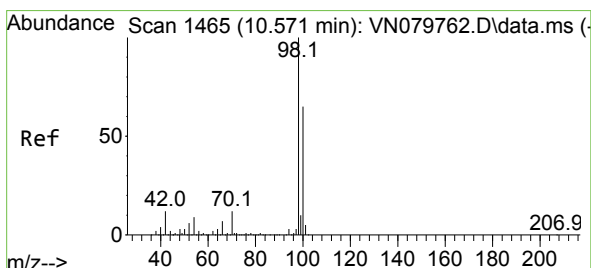
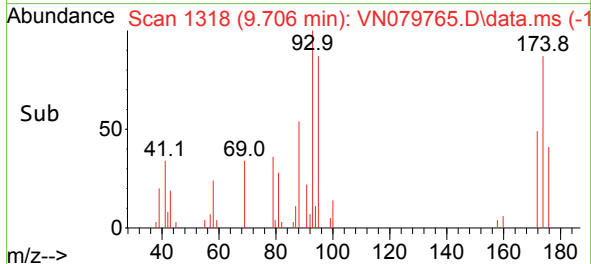
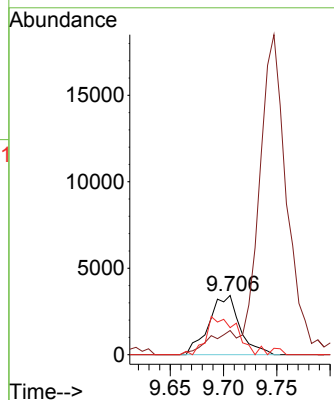
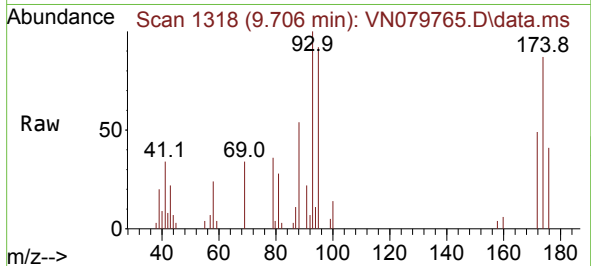




#49  
1,4-Dioxane  
Concen: 100.465 ug/l  
RT: 9.706 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

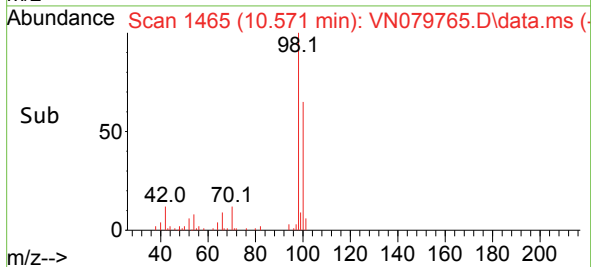
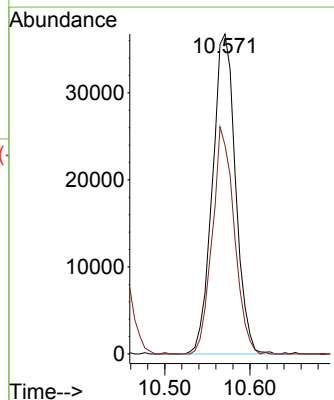
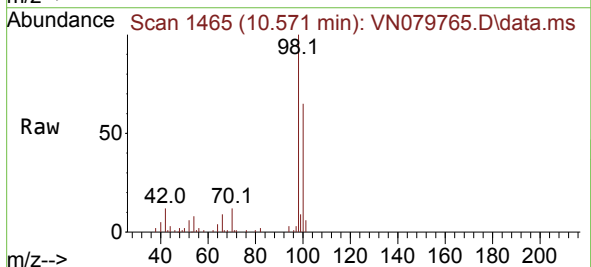
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

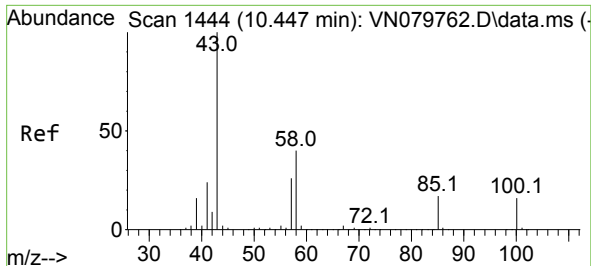
Tgt Ion: 88 Resp: 6876  
Ion Ratio Lower Upper  
88 100  
43 0.0 17.0 25.6#  
58 62.5 47.0 70.4



#50  
Toluene-d8  
Concen: 4.881 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion: 98 Resp: 69191  
Ion Ratio Lower Upper  
98 100  
100 67.3 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 25.301 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN079765.D

Acq: 01 Nov 2023 11:38

Instrument :

MSVOA\_N

ClientSampleId :

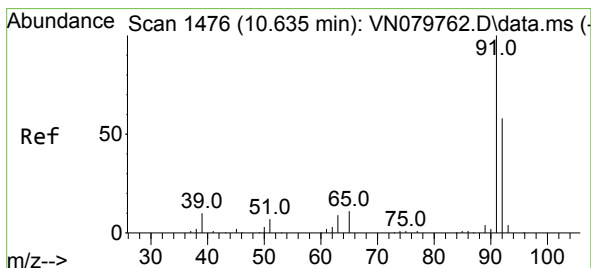
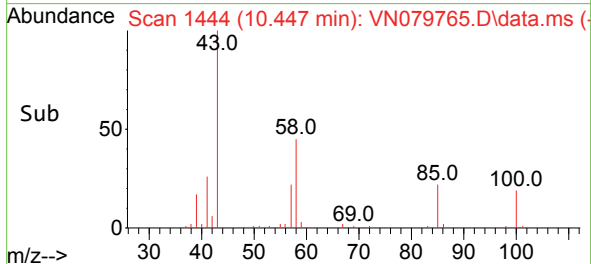
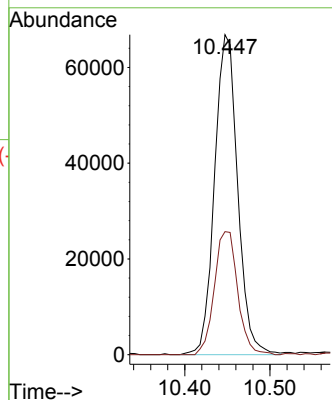
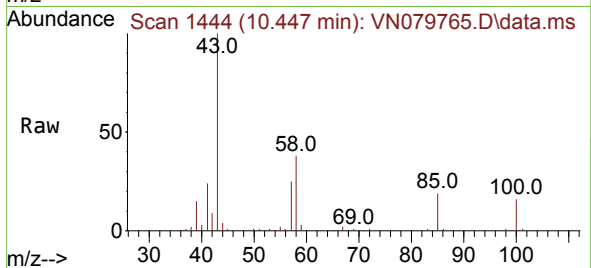
VSTDIC005

Tgt Ion: 43 Resp: 125962

Ion Ratio Lower Upper

43 100

58 38.8 36.6 54.8



#52

Toluene

Concen: 5.029 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN079765.D

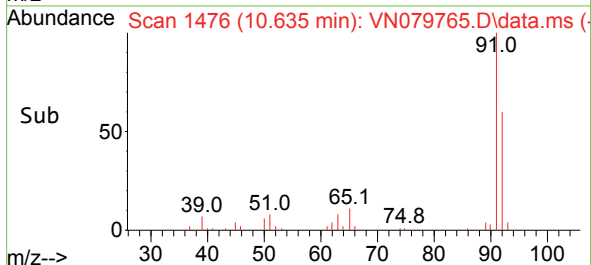
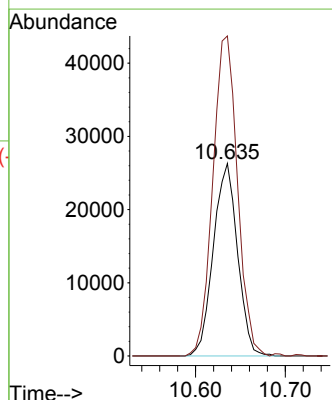
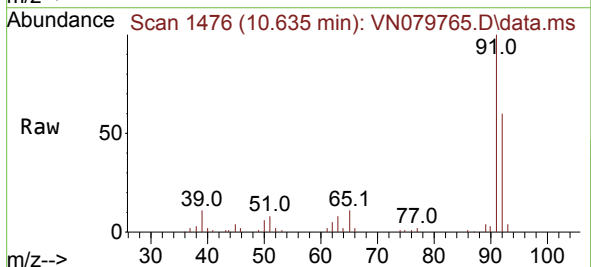
Acq: 01 Nov 2023 11:38

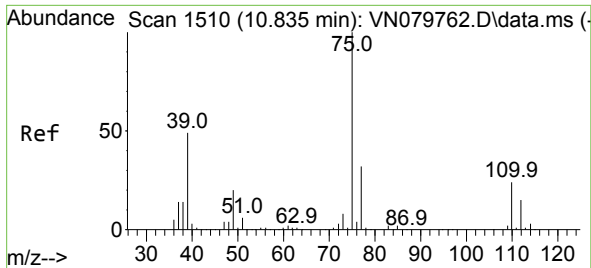
Tgt Ion: 92 Resp: 49095

Ion Ratio Lower Upper

92 100

91 169.5 137.4 206.0

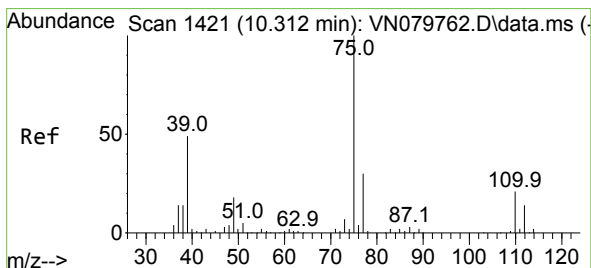
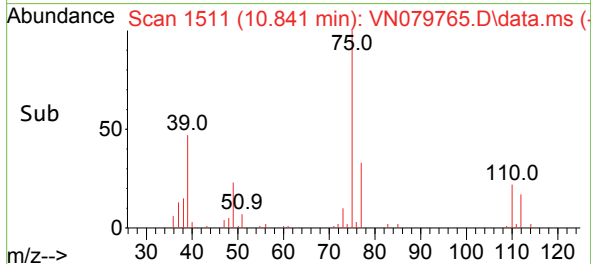
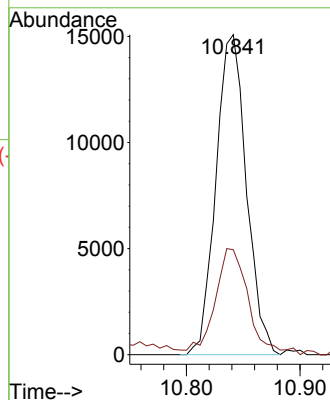
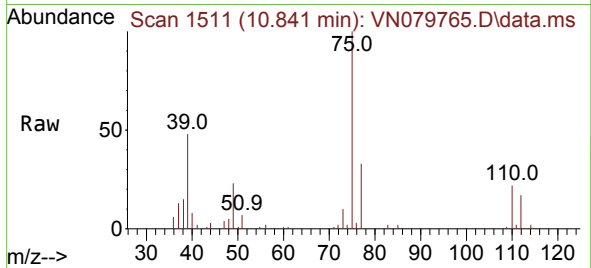




#53  
 t-1,3-Dichloropropene  
 Concen: 4.679 ug/l  
 RT: 10.841 min Scan# 1511  
 Delta R.T. 0.000 min  
 Lab File: VN079765.D  
 Acq: 01 Nov 2023 11:38

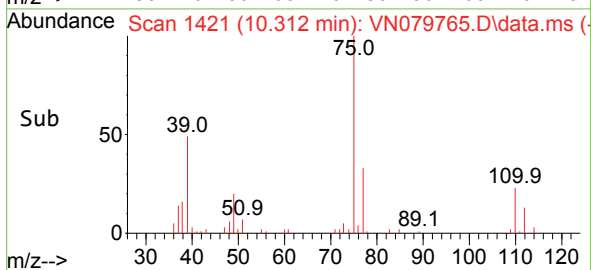
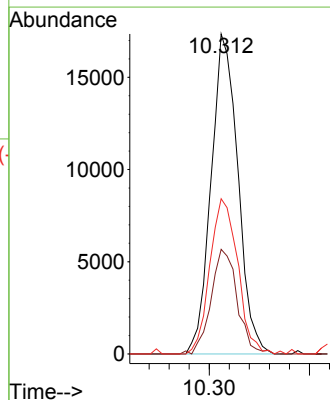
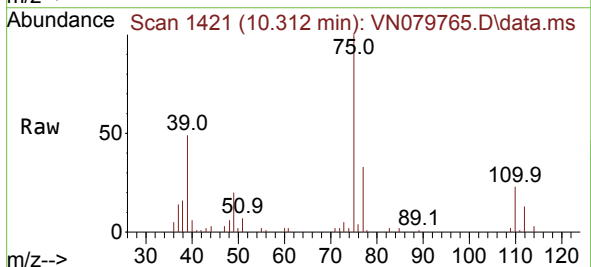
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

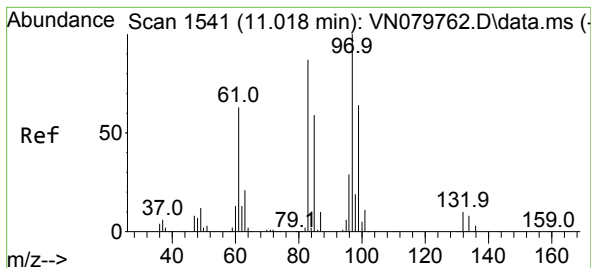
Tgt Ion: 75 Resp: 28109  
 Ion Ratio Lower Upper  
 75 100  
 77 31.4 25.4 38.0



#54  
 cis-1,3-Dichloropropene  
 Concen: 4.918 ug/l  
 RT: 10.312 min Scan# 1421  
 Delta R.T. -0.006 min  
 Lab File: VN079765.D  
 Acq: 01 Nov 2023 11:38

Tgt Ion: 75 Resp: 32208  
 Ion Ratio Lower Upper  
 75 100  
 77 32.7 26.1 39.1  
 39 48.5 31.6 47.4#





#55

1,1,2-Trichloroethane

Concen: 4.994 ug/l

RT: 11.018 min Scan# 1541

Delta R.T. 0.000 min

Lab File: VN079765.D

Acq: 01 Nov 2023 11:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC005

Tgt Ion: 97 Resp: 19612

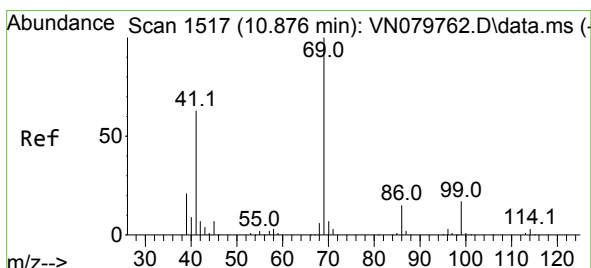
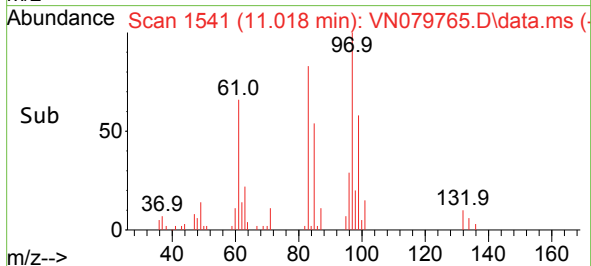
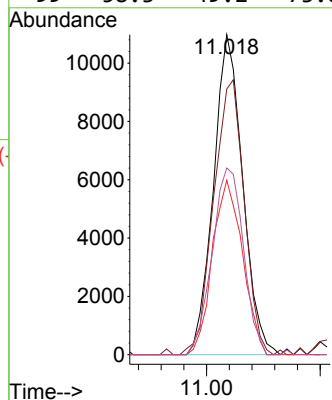
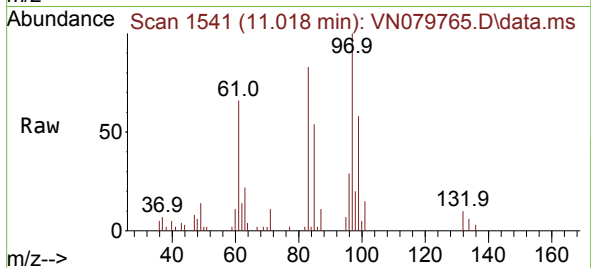
Ion Ratio Lower Upper

97 100

83 83.0 65.1 97.7

85 54.5 43.4 65.2

99 58.3 49.2 73.8



#56

Ethyl methacrylate

Concen: 4.497 ug/l

RT: 10.877 min Scan# 1517

Delta R.T. 0.000 min

Lab File: VN079765.D

Acq: 01 Nov 2023 11:38

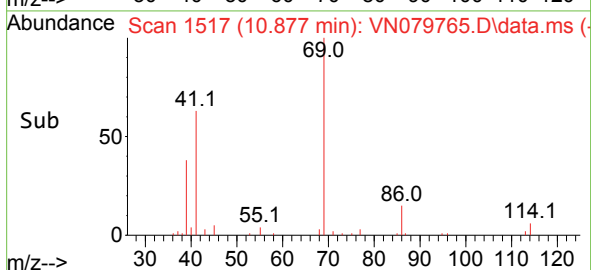
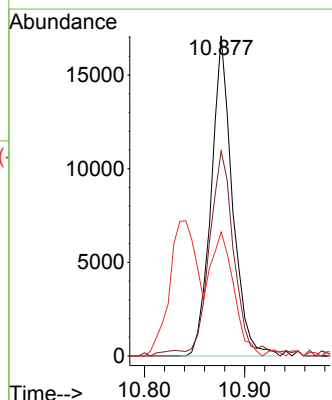
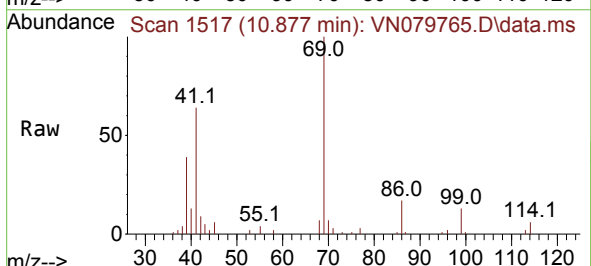
Tgt Ion: 69 Resp: 25190

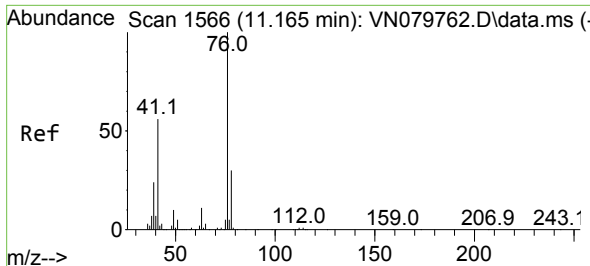
Ion Ratio Lower Upper

69 100

41 75.6 39.6 59.4#

39 42.4 28.6 43.0





#57

1,3-Dichloropropane

Concen: 5.061 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. 0.000 min

Lab File: VN079765.D

Acq: 01 Nov 2023 11:38

Instrument :

MSVOA\_N

ClientSampleId :

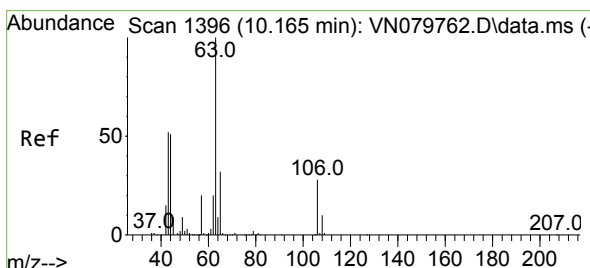
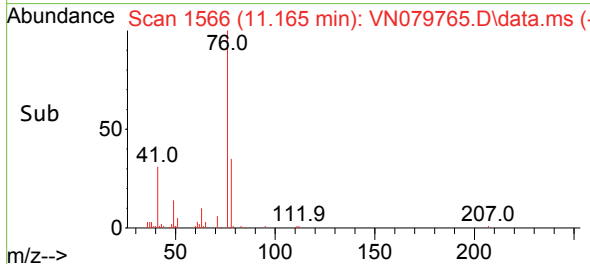
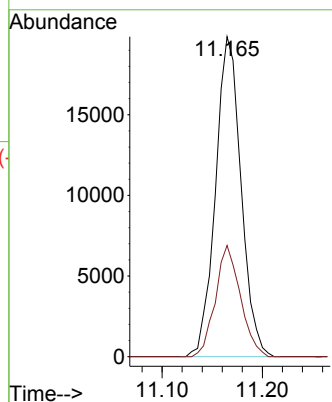
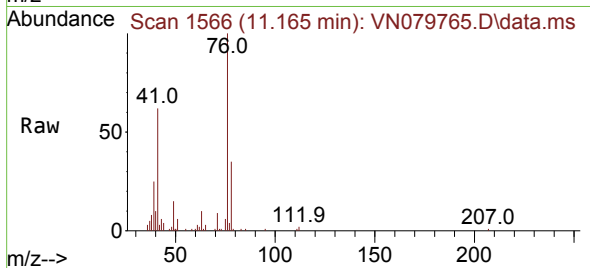
VSTDIC005

Tgt Ion: 76 Resp: 35028

Ion Ratio Lower Upper

76 100

78 34.1 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 23.313 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. 0.000 min

Lab File: VN079765.D

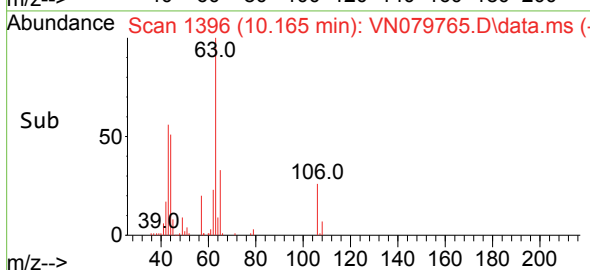
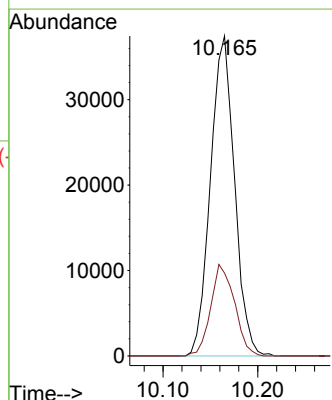
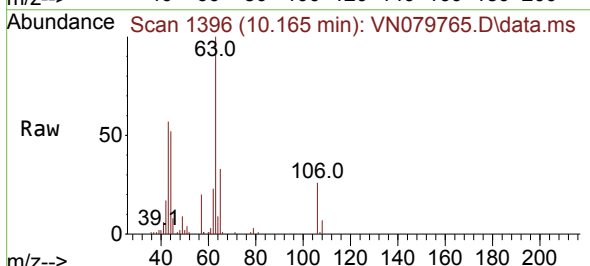
Acq: 01 Nov 2023 11:38

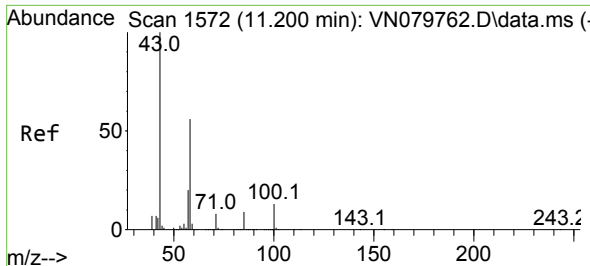
Tgt Ion: 63 Resp: 66182

Ion Ratio Lower Upper

63 100

106 28.3 26.2 39.4

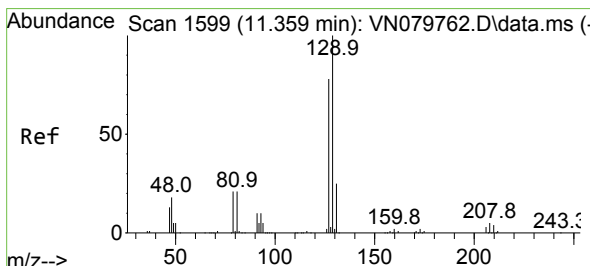
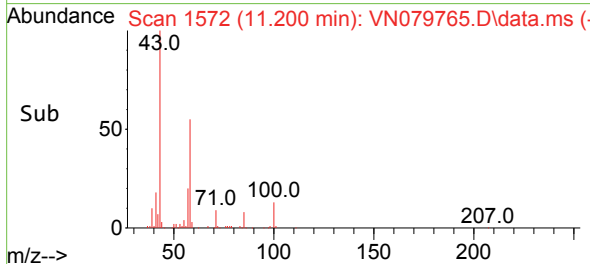
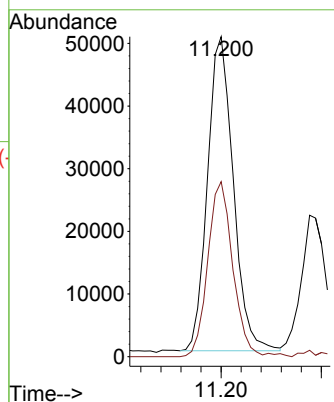
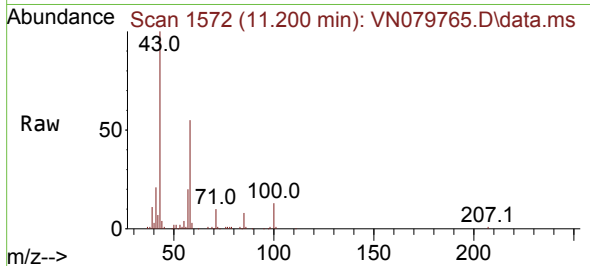




#59  
2-Hexanone  
Concen: 23.536 ug/l  
RT: 11.200 min Scan# 1572  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

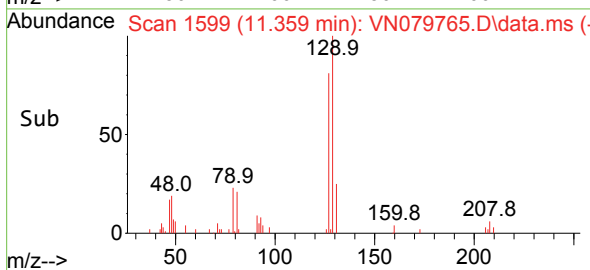
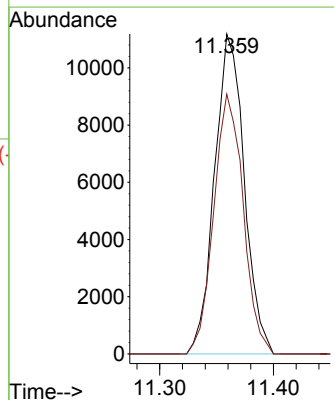
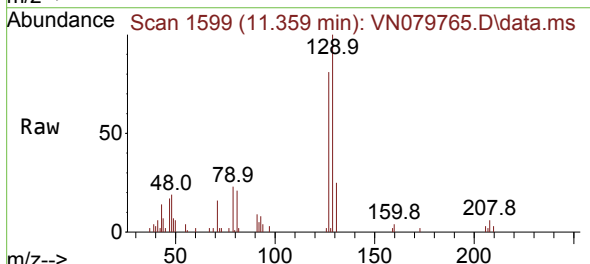
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Tgt Ion: 43 Resp: 89640  
Ion Ratio Lower Upper  
43 100  
58 54.2 31.7 95.1



#60  
Dibromochloromethane  
Concen: 4.832 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. -0.006 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion: 129 Resp: 20312  
Ion Ratio Lower Upper  
129 100  
127 80.6 38.6 116.0

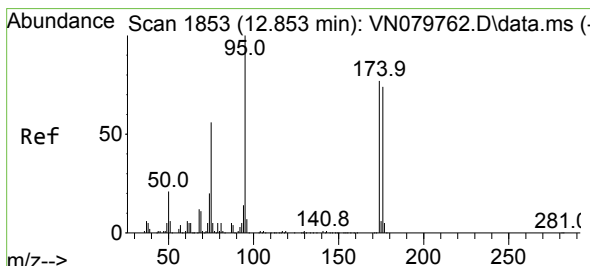
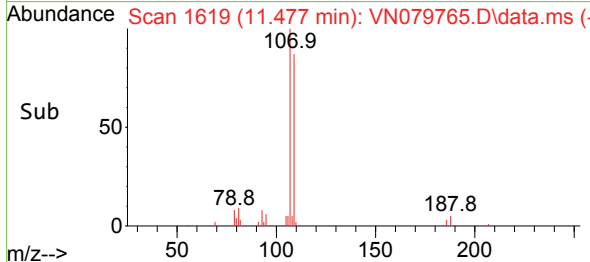
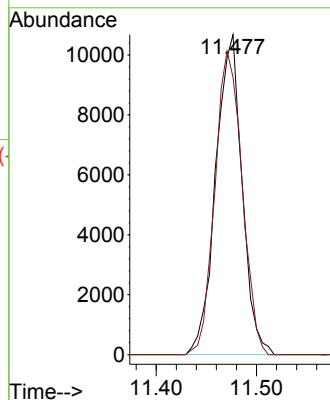
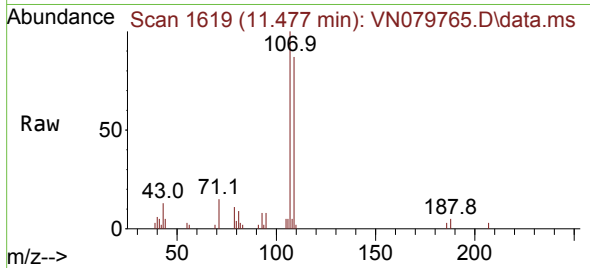




#61  
1,2-Dibromoethane  
Concen: 4.945 ug/l  
RT: 11.477 min Scan# 1618  
Delta R.T. 0.006 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

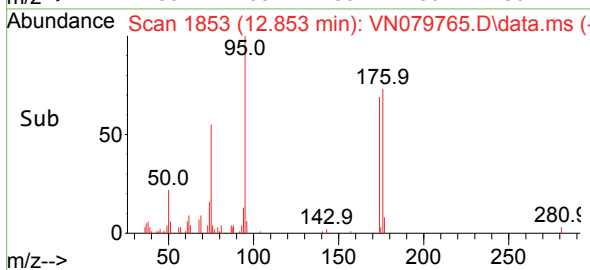
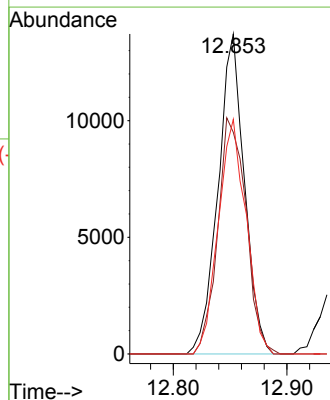
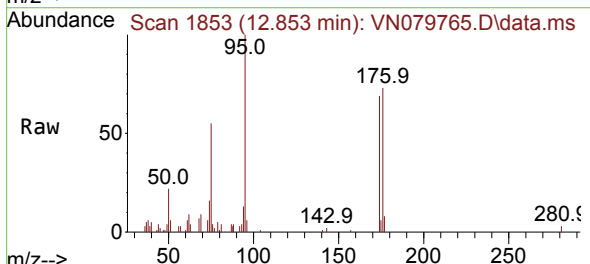
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

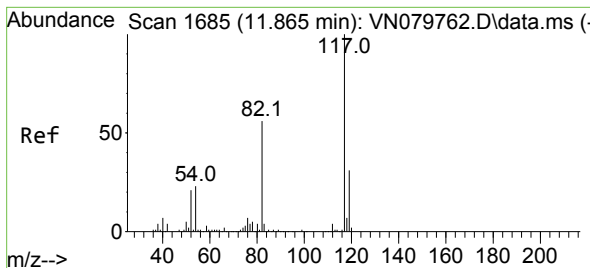
Tgt Ion:107 Resp: 19491  
Ion Ratio Lower Upper  
107 100  
109 97.9 76.6 114.8



#62  
4-Bromofluorobenzene  
Concen: 4.704 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion: 95 Resp: 22115  
Ion Ratio Lower Upper  
95 100  
174 79.2 0.0 143.8  
176 77.2 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079765.D

Acq: 01 Nov 2023 11:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC005

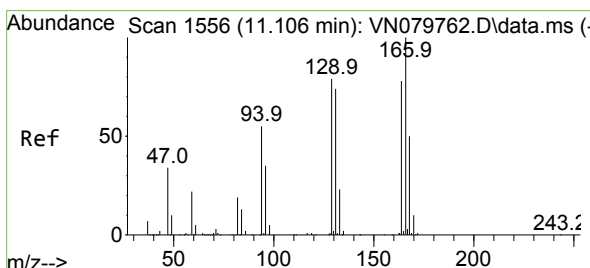
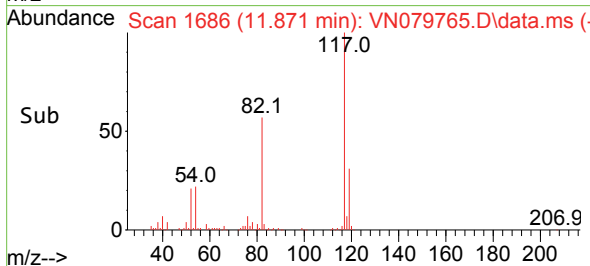
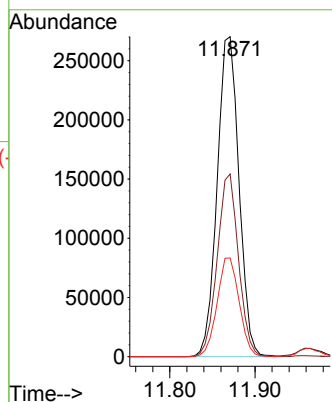
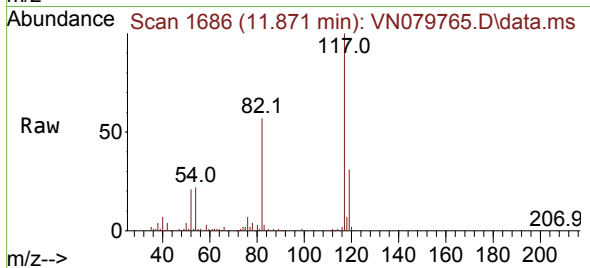
Tgt Ion:117 Resp: 480271

Ion Ratio Lower Upper

117 100

82 57.1 44.0 66.0

119 30.9 25.6 38.4



#64

Tetrachloroethene

Concen: 5.054 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VN079765.D

Acq: 01 Nov 2023 11:38

Tgt Ion:164 Resp: 15721

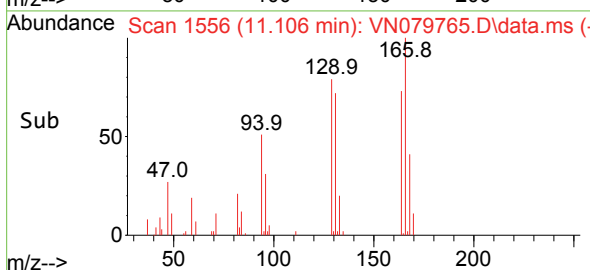
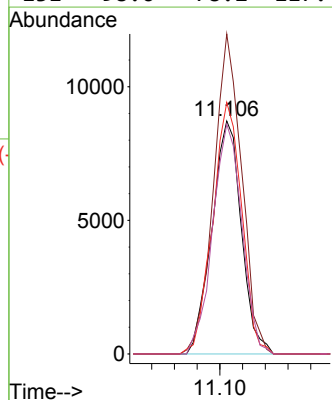
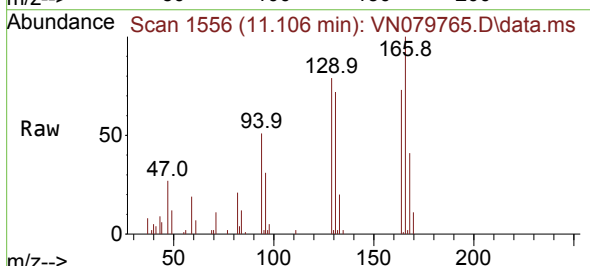
Ion Ratio Lower Upper

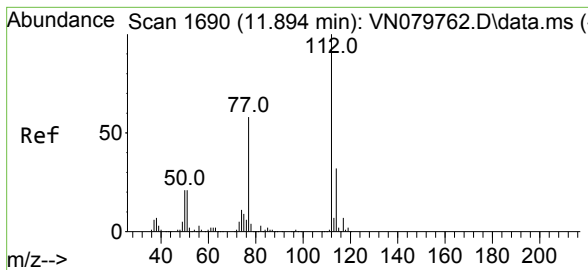
164 100

166 137.4 101.4 152.0

129 107.9 82.4 123.6

131 98.6 78.2 117.4

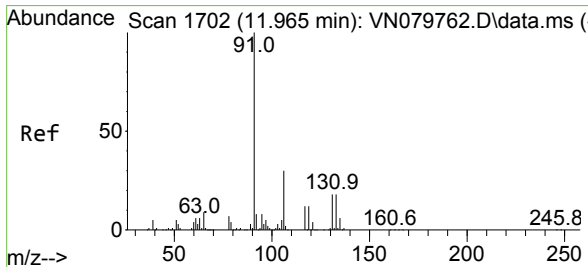
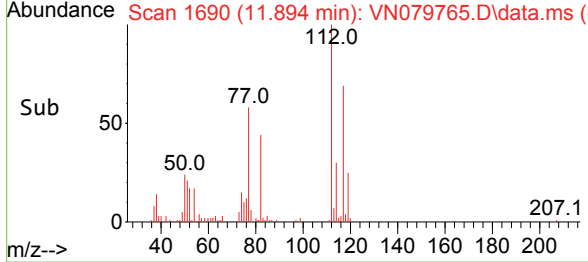
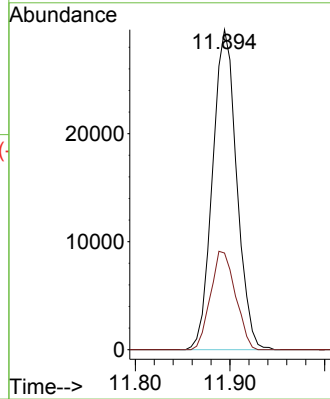
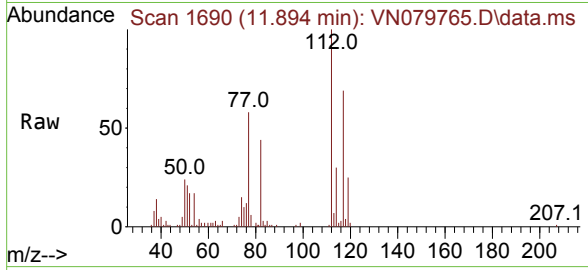




#65  
Chlorobenzene  
Concen: 5.040 ug/l  
RT: 11.894 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

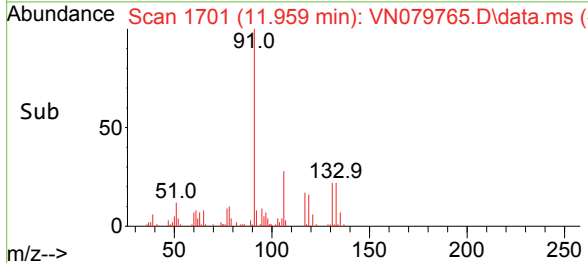
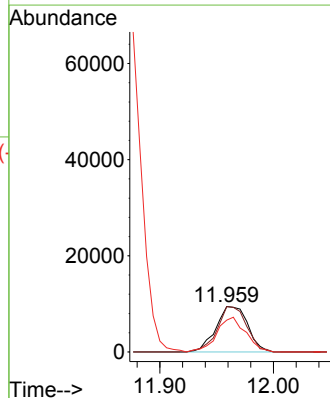
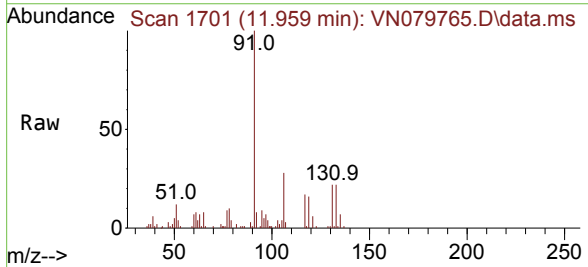
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

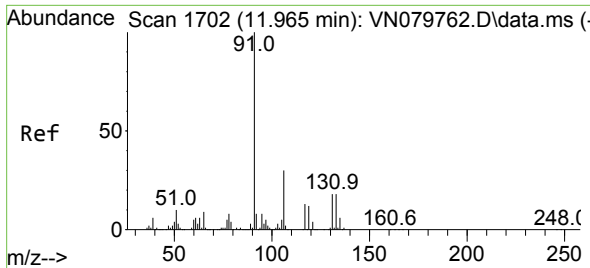
Tgt Ion:112 Resp: 52508  
Ion Ratio Lower Upper  
112 100  
114 30.2 25.0 37.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 4.903 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. -0.006 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion:131 Resp: 18403  
Ion Ratio Lower Upper  
131 100  
133 92.6 46.4 139.1  
119 69.2 34.1 102.2

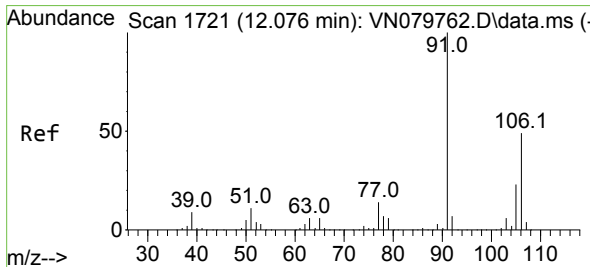
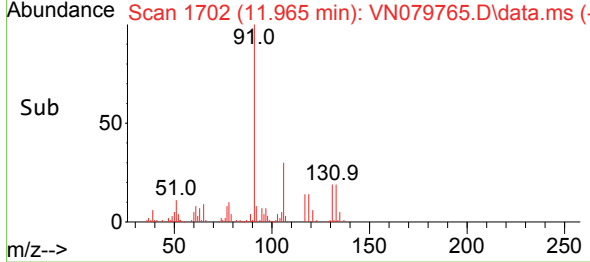
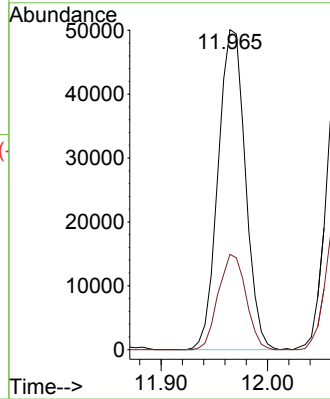
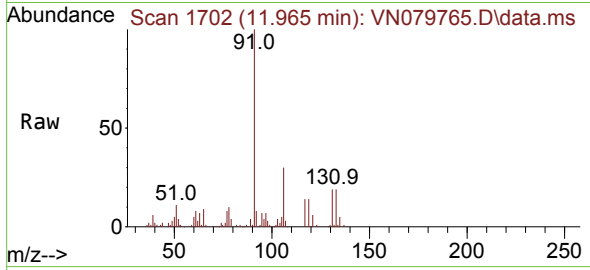




#67  
Ethyl Benzene  
Concen: 4.903 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

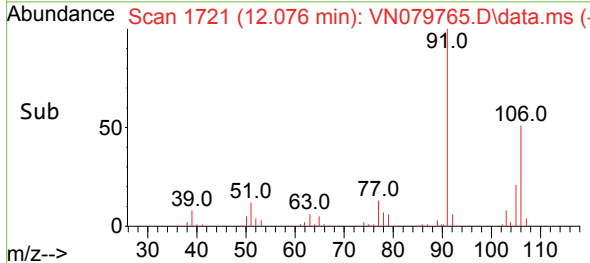
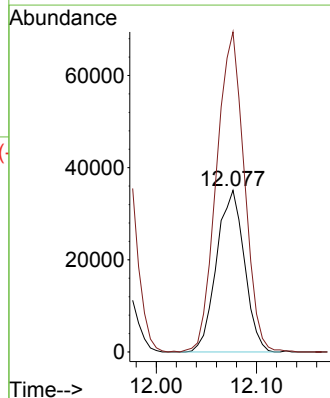
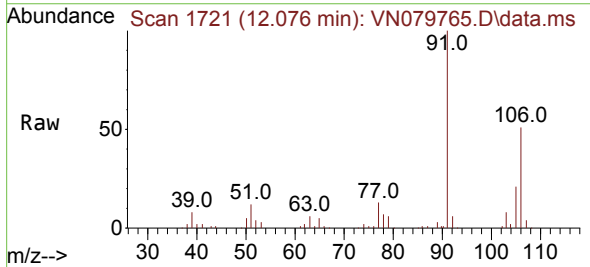
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

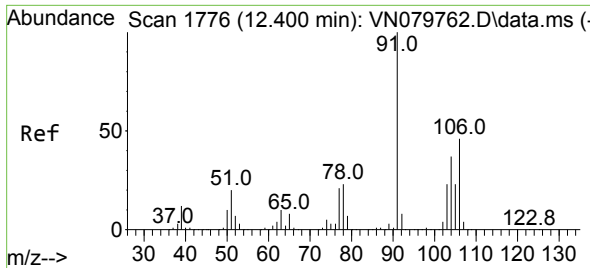
Tgt Ion: 91 Resp: 89002  
Ion Ratio Lower Upper  
91 100  
106 29.8 25.6 38.4



#68  
m/p-Xylenes  
Concen: 9.962 ug/l  
RT: 12.076 min Scan# 1721  
Delta R.T. 0.006 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion: 106 Resp: 67355  
Ion Ratio Lower Upper  
106 100  
91 198.3 159.6 239.4

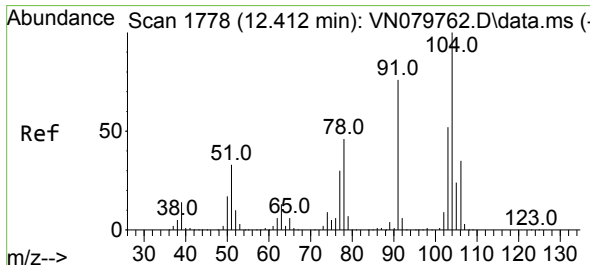
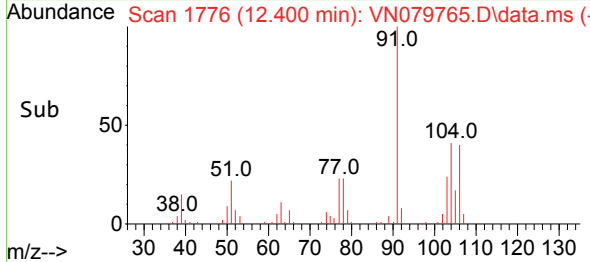
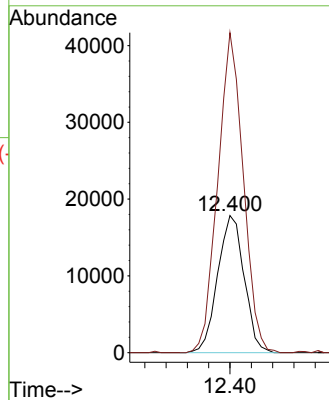
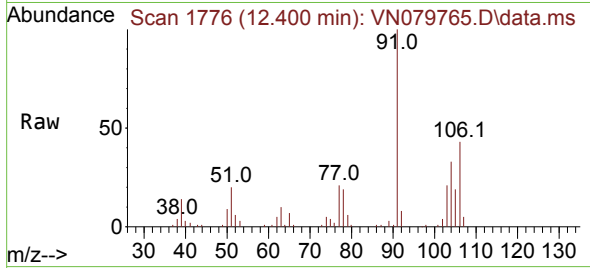




#69  
o-Xylene  
Concen: 4.733 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

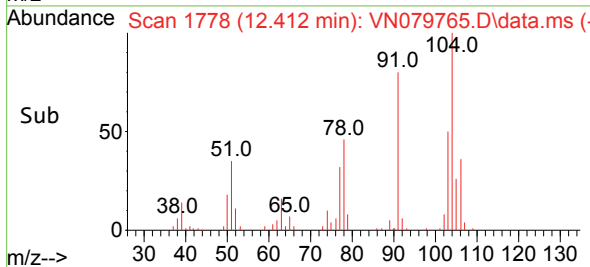
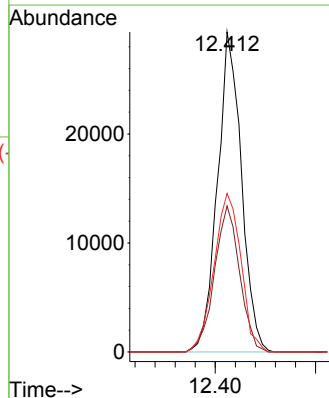
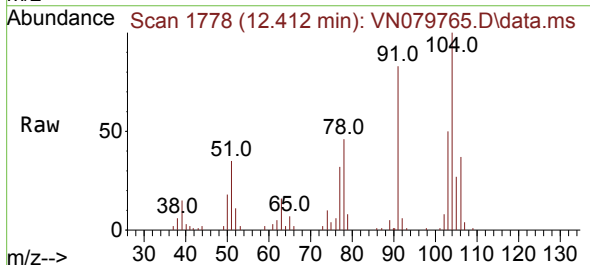
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

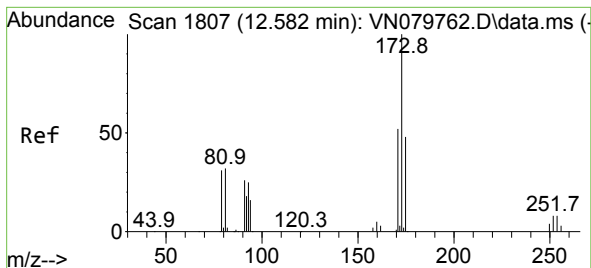
Tgt Ion:106 Resp: 30818  
Ion Ratio Lower Upper  
106 100  
91 224.2 105.2 315.5



#70  
Styrene  
Concen: 4.655 ug/l  
RT: 12.412 min Scan# 1778  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion:104 Resp: 48704  
Ion Ratio Lower Upper  
104 100  
78 48.0 39.5 59.3  
103 55.7 43.2 64.8





#71

Bromoform

Concen: 4.983 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VN079765.D

Acq: 01 Nov 2023 11:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC005

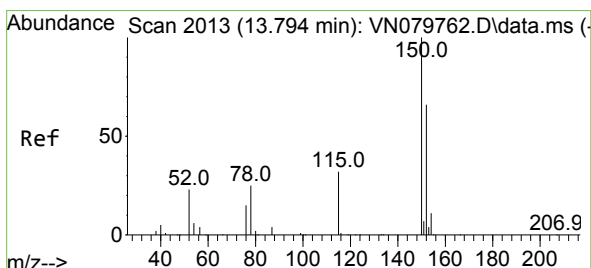
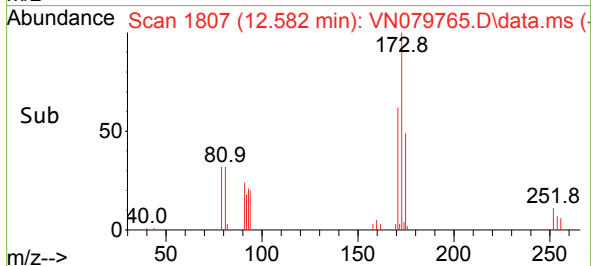
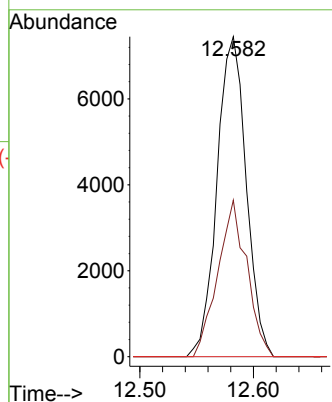
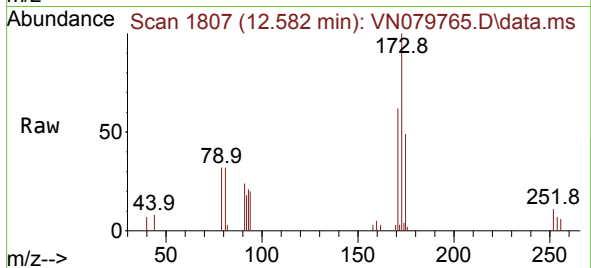
Tgt Ion:173 Resp: 13282

Ion Ratio Lower Upper

173 100

175 48.6 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: VN079765.D

Acq: 01 Nov 2023 11:38

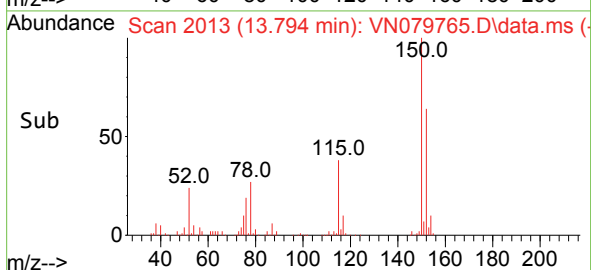
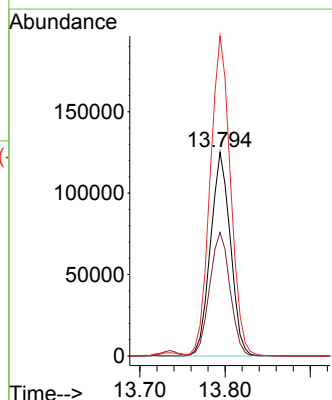
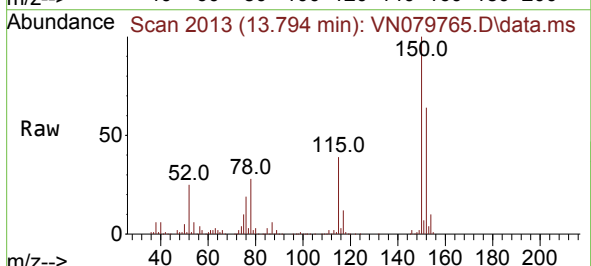
Tgt Ion:152 Resp: 202499

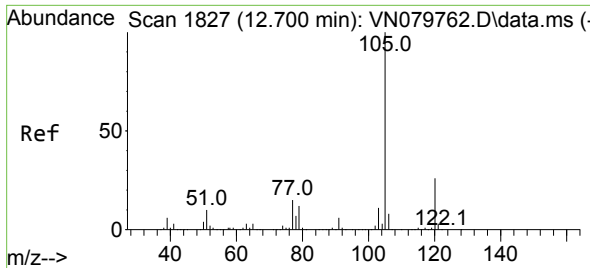
Ion Ratio Lower Upper

152 100

115 62.3 32.3 96.8

150 161.2 0.0 355.8

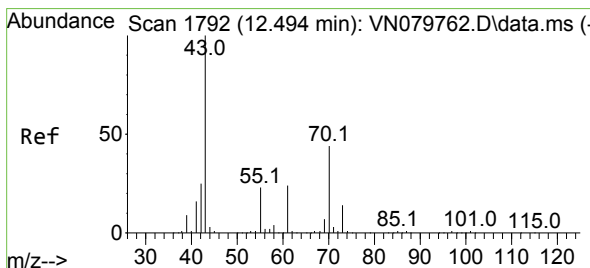
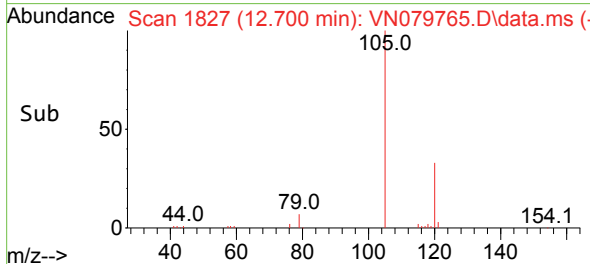
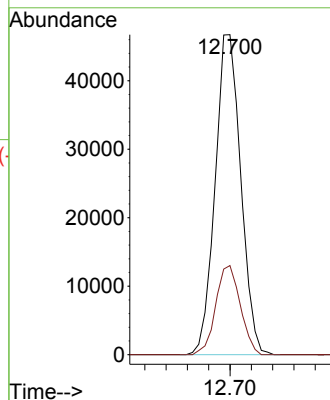
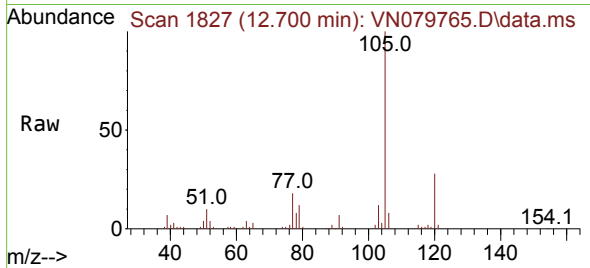




#73  
Isopropylbenzene  
Concen: 5.075 ug/l  
RT: 12.700 min Scan# 1827  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

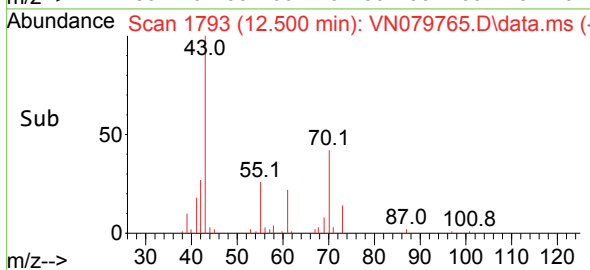
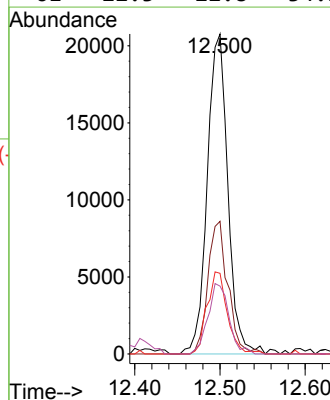
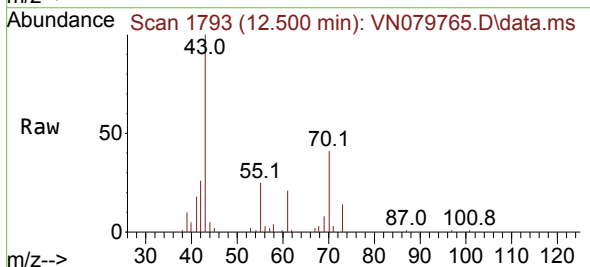
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

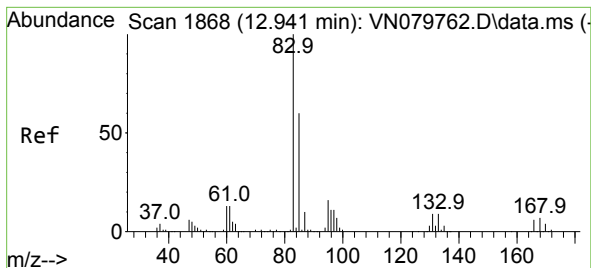
Tgt Ion:105 Resp: 77996  
Ion Ratio Lower Upper  
105 100  
120 26.6 13.1 39.1



#74  
N-ethyl acetate  
Concen: 5.214 ug/l  
RT: 12.500 min Scan# 1793  
Delta R.T. 0.006 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion: 43 Resp: 34978  
Ion Ratio Lower Upper  
43 100  
70 40.1 43.4 65.2#  
55 25.2 21.4 32.0  
61 22.3 22.8 34.2#

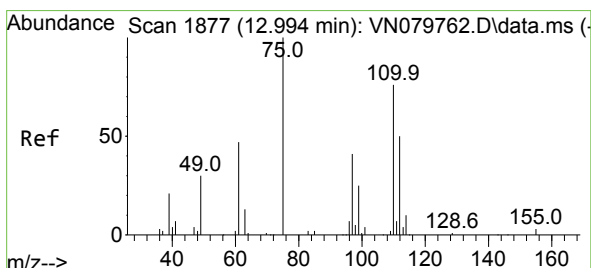
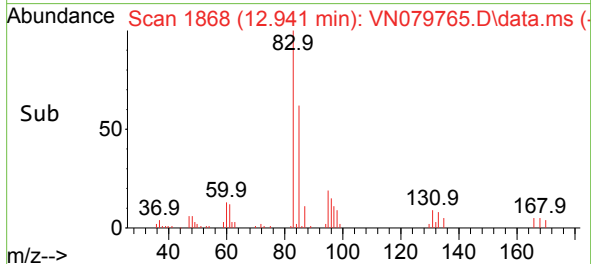
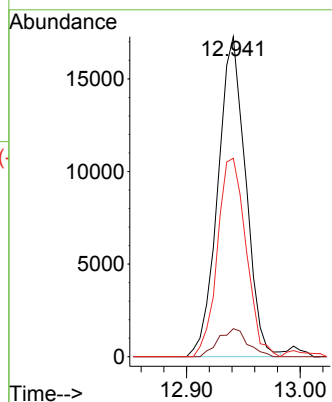
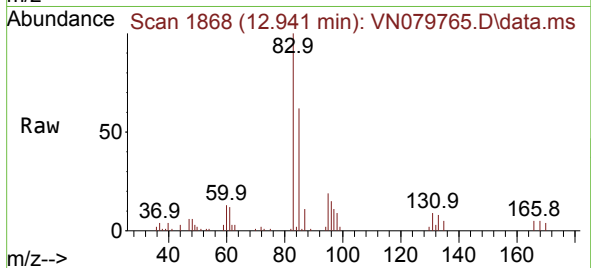




#75  
1,1,2-Tetrachloroethane  
Concen: 5.391 ug/l  
RT: 12.941 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

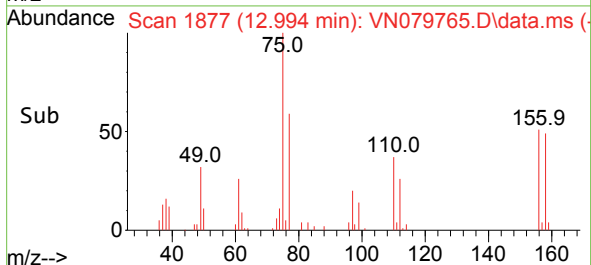
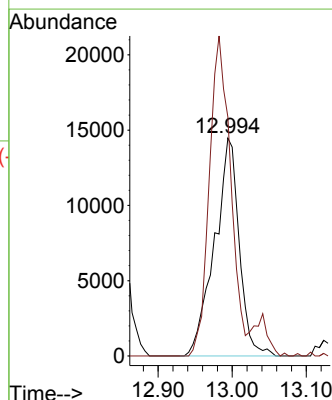
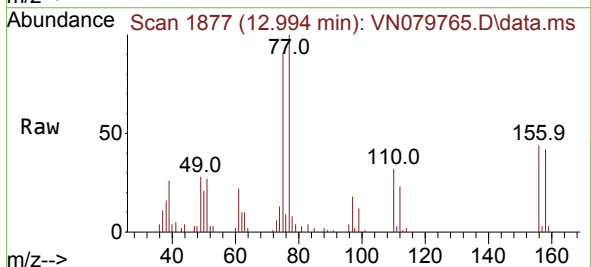
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

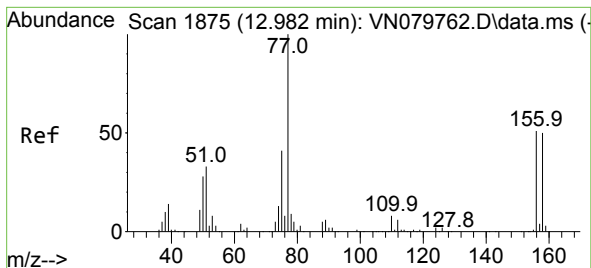
Tgt Ion: 83 Resp: 29374  
Ion Ratio Lower Upper  
83 100  
131 9.2 5.0 15.0  
85 63.7 31.9 95.7



#76  
1,2,3-Trichloropropane  
Concen: 7.043 ug/l  
RT: 12.994 min Scan# 1877  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion: 75 Resp: 33441  
Ion Ratio Lower Upper  
75 100  
77 127.8 84.5 253.5





#77

Bromobenzene

Concen: 5.157 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VN079765.D

Acq: 01 Nov 2023 11:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

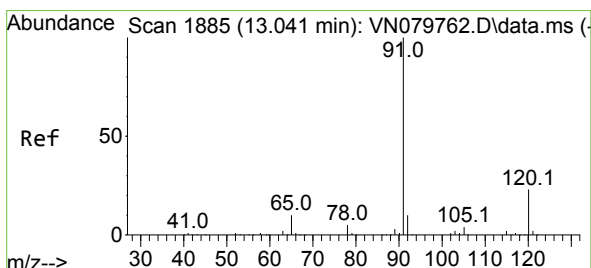
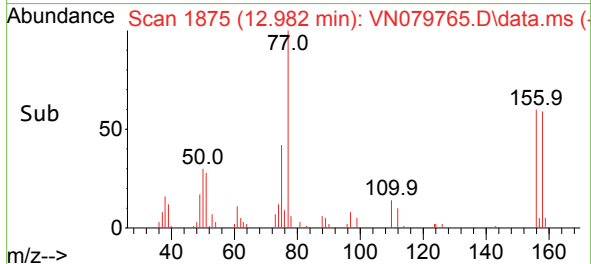
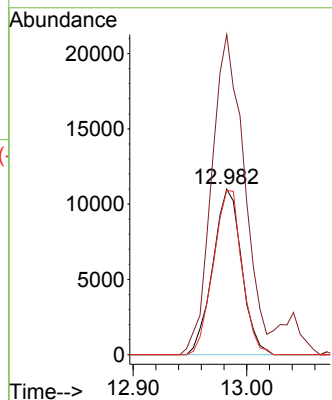
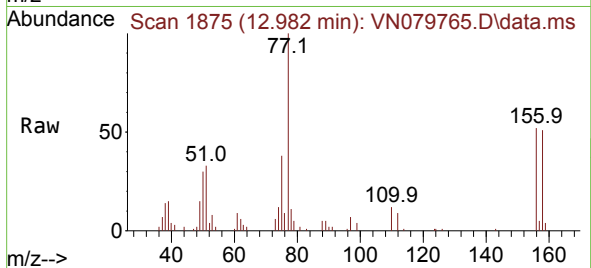
Tgt Ion:156 Resp: 19405

Ion Ratio Lower Upper

156 100

77 220.2 107.7 323.3

158 98.3 48.4 145.3



#78

n-propylbenzene

Concen: 4.773 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN079765.D

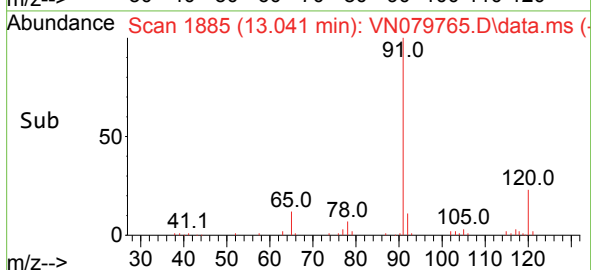
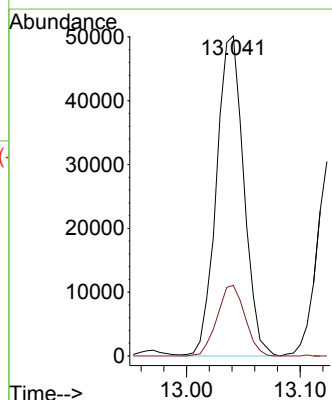
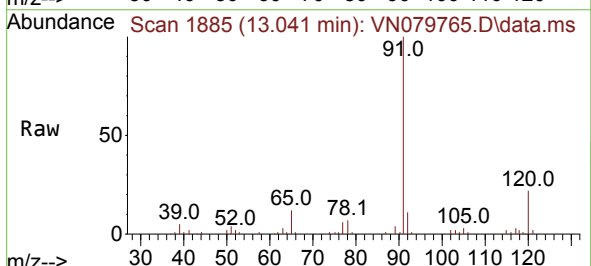
Acq: 01 Nov 2023 11:38

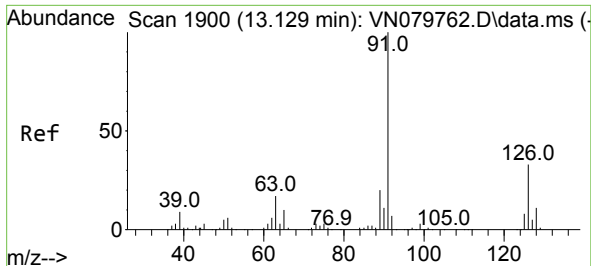
Tgt Ion: 91 Resp: 83996

Ion Ratio Lower Upper

91 100

120 22.4 11.5 34.4

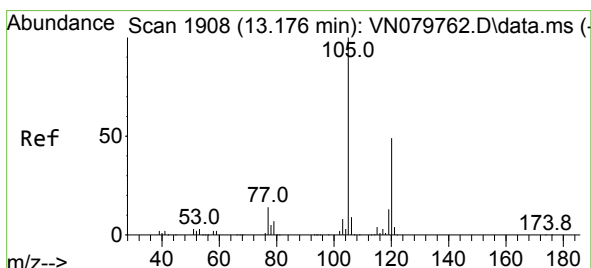
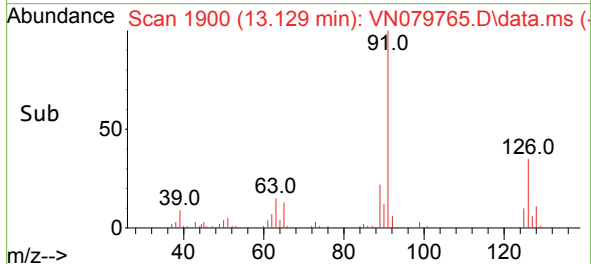
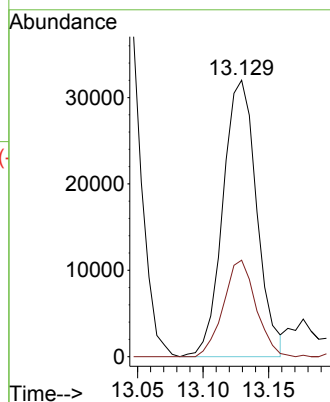
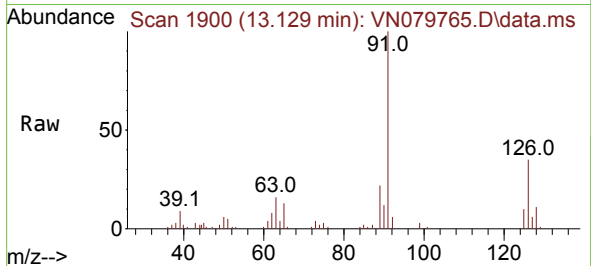




#79  
2-Chlorotoluene  
Concen: 5.113 ug/l  
RT: 13.129 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

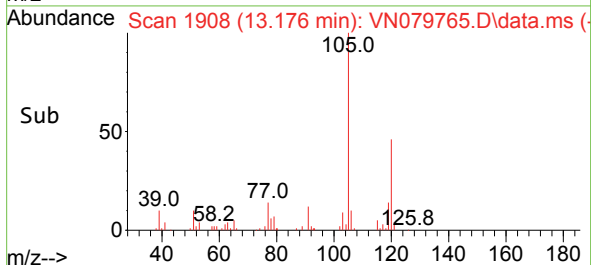
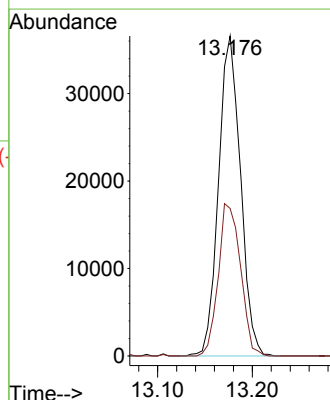
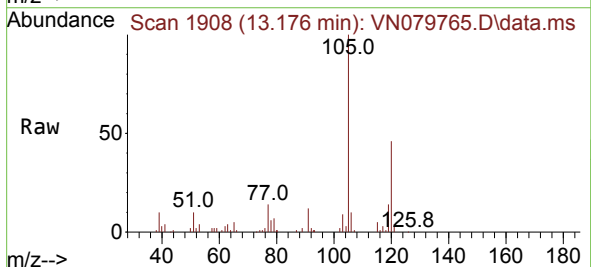
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

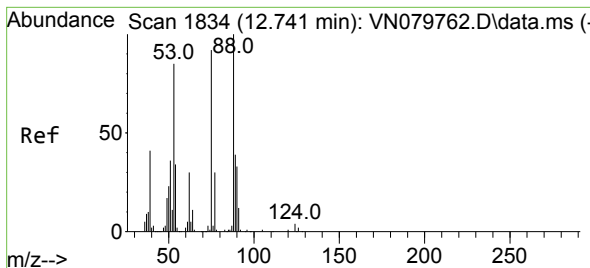
Tgt Ion: 91 Resp: 57490  
Ion Ratio Lower Upper  
91 100  
126 33.6 16.3 48.8



#80  
1,3,5-Trimethylbenzene  
Concen: 4.930 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion: 105 Resp: 58954  
Ion Ratio Lower Upper  
105 100  
120 48.2 24.1 72.3

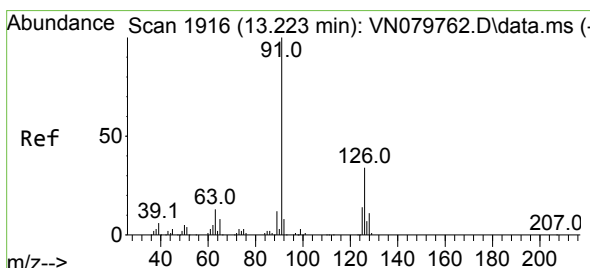
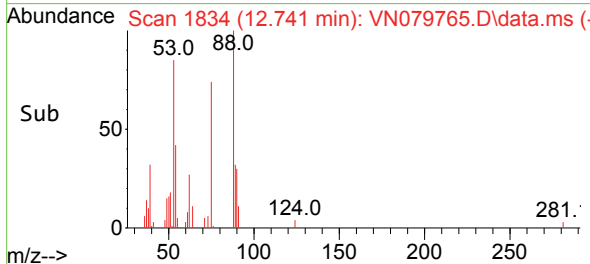
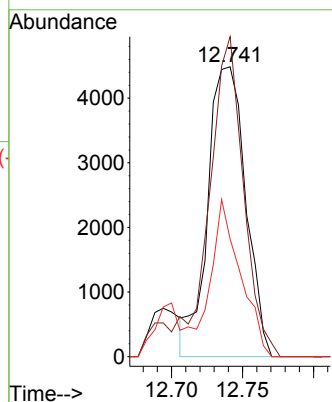
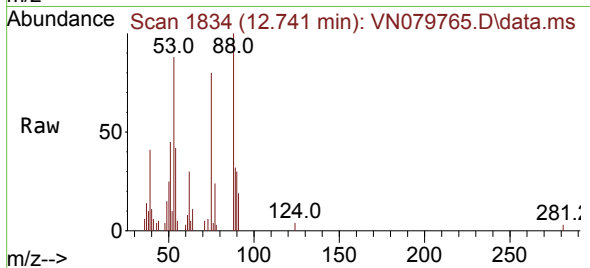




#81  
trans-1,4-Dichloro-2-butene  
Concen: 4.762 ug/l  
RT: 12.741 min Scan# 1834  
Delta R.T. 0.006 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

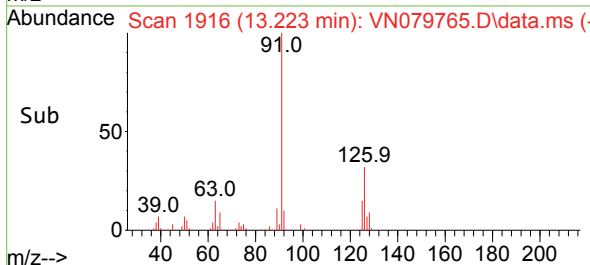
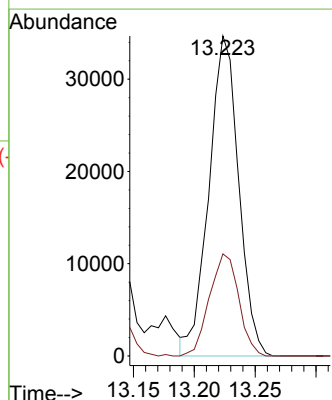
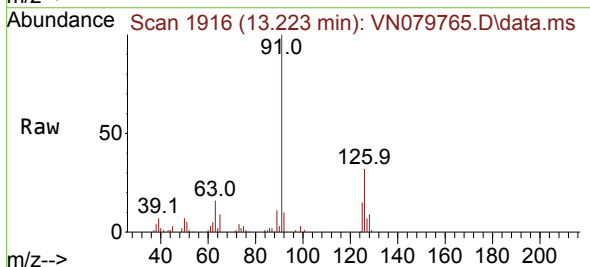
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

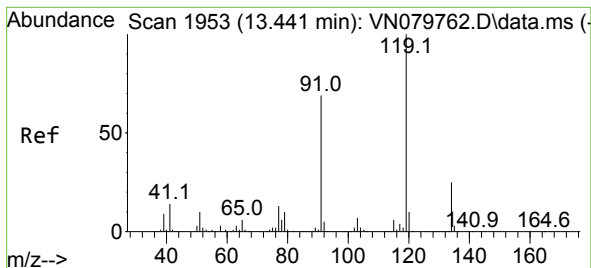
Tgt Ion: 75 Resp: 8321  
Ion Ratio Lower Upper  
75 100  
53 99.4 67.4 101.2  
89 40.9 38.8 58.2



#82  
4-Chlorotoluene  
Concen: 5.269 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion: 91 Resp: 58869  
Ion Ratio Lower Upper  
91 100  
126 31.4 16.7 50.0





#83

tert-Butylbenzene

Concen: 4.968 ug/l

RT: 13.441 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VN079765.D

Acq: 01 Nov 2023 11:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC005

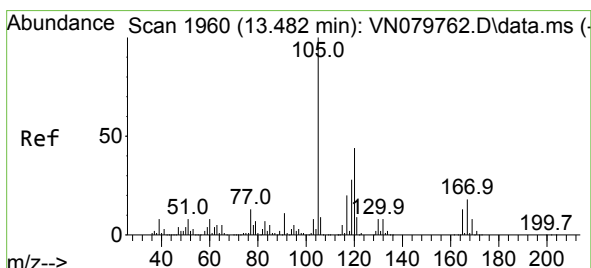
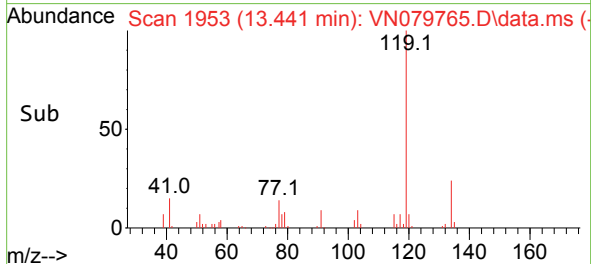
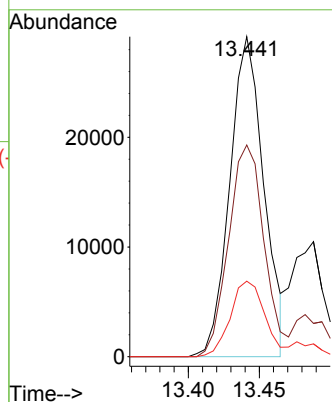
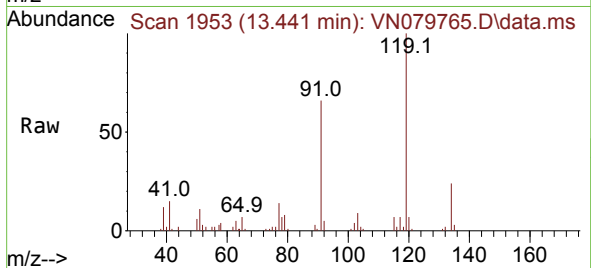
Tgt Ion:119 Resp: 48629

Ion Ratio Lower Upper

119 100

91 69.5 33.9 101.7

134 24.2 13.2 39.6



#84

1,2,4-Trimethylbenzene

Concen: 4.911 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.006 min

Lab File: VN079765.D

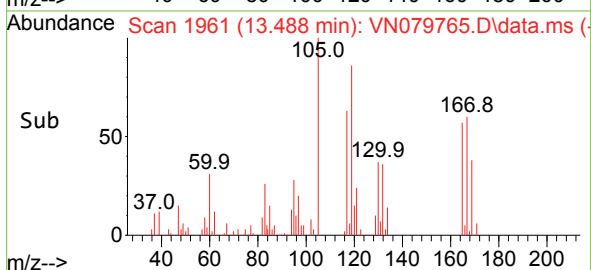
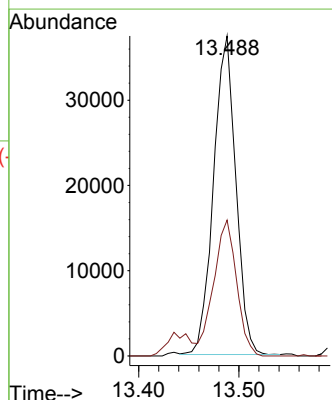
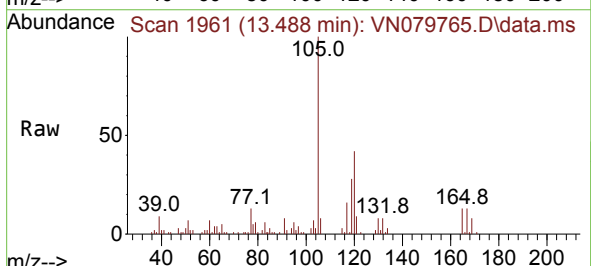
Acq: 01 Nov 2023 11:38

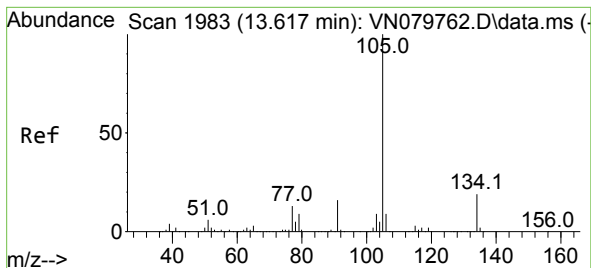
Tgt Ion:105 Resp: 57774

Ion Ratio Lower Upper

105 100

120 43.7 22.0 66.0





#85

sec-Butylbenzene

Concen: 5.053 ug/l

RT: 13.618 min Scan# 1983

Delta R.T. 0.000 min

Lab File: VN079765.D

Acq: 01 Nov 2023 11:38

Instrument :

MSVOA\_N

ClientSampleId :

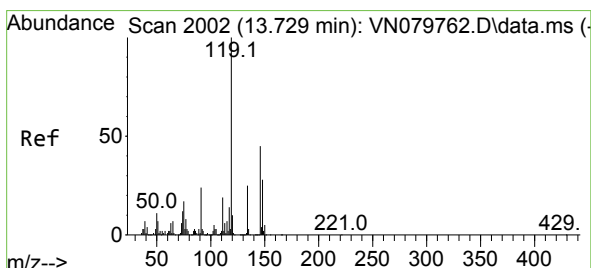
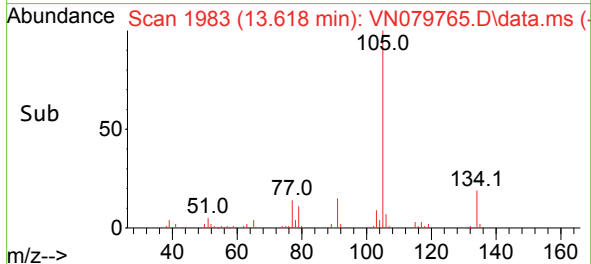
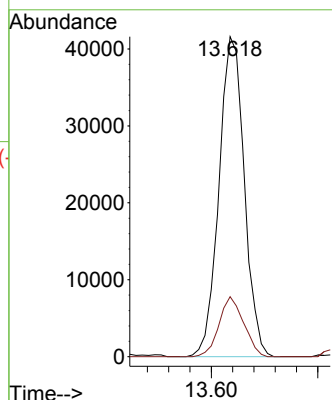
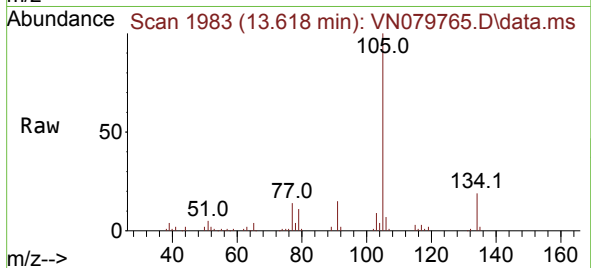
VSTDIC005

Tgt Ion:105 Resp: 68517

Ion Ratio Lower Upper

105 100

134 18.3 9.8 29.3



#86

p-Isopropyltoluene

Concen: 4.886 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN079765.D

Acq: 01 Nov 2023 11:38

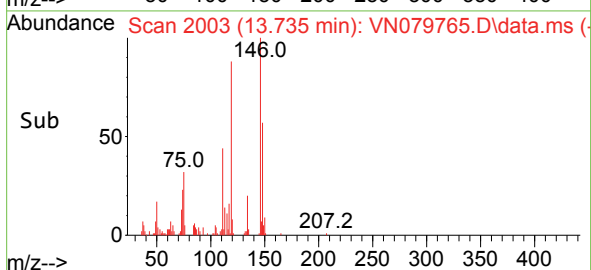
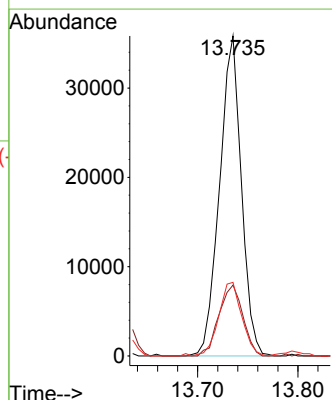
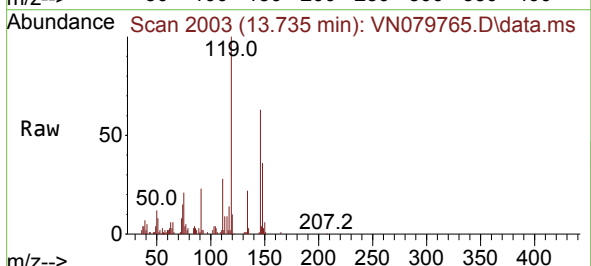
Tgt Ion:119 Resp: 54016

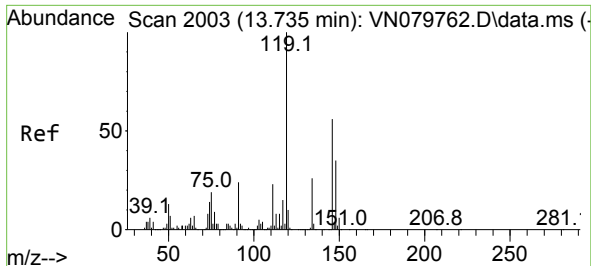
Ion Ratio Lower Upper

119 100

134 24.4 12.6 37.8

91 24.5 12.4 37.2

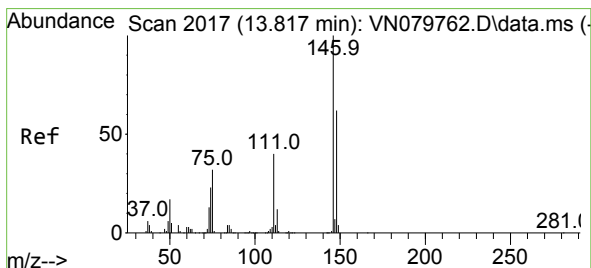
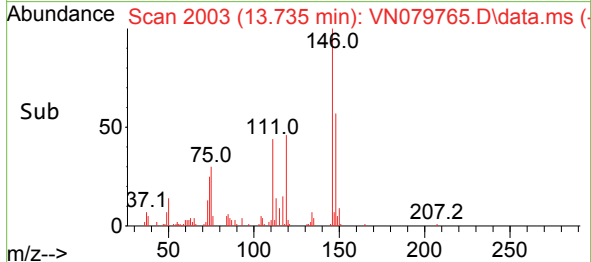
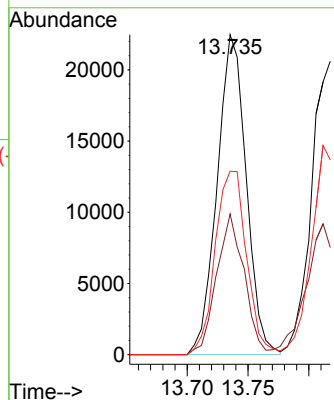
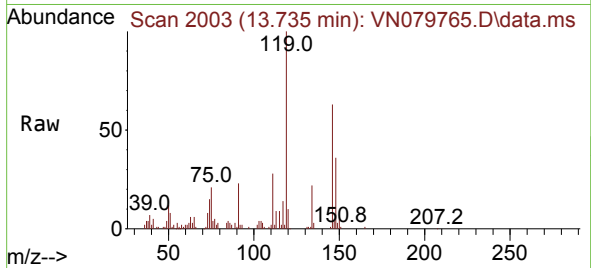




#87  
1,3-Dichlorobenzene  
Concen: 5.338 ug/l  
RT: 13.735 min Scan# 2003  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

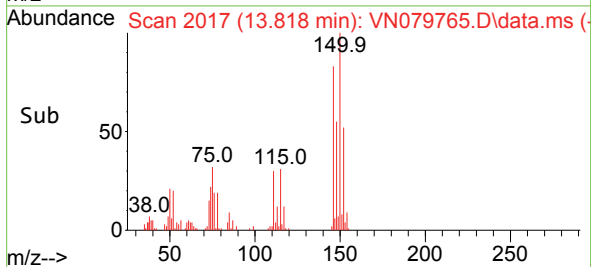
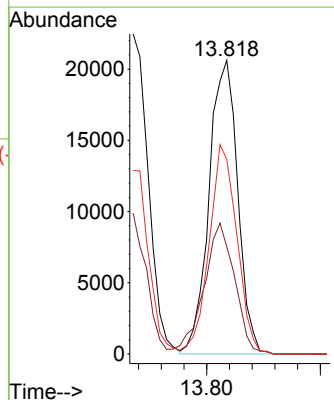
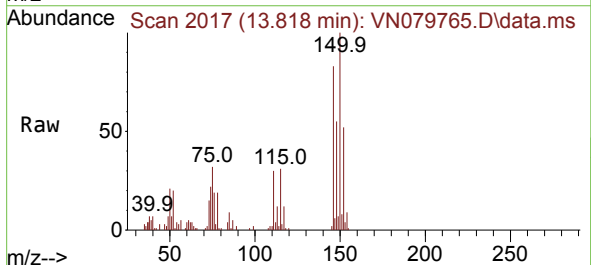
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

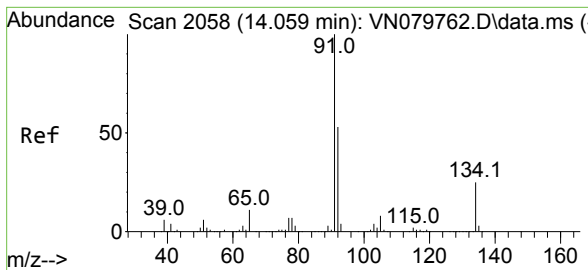
Tgt Ion:146 Resp: 37363  
Ion Ratio Lower Upper  
146 100  
111 41.6 22.1 66.3  
148 61.9 32.0 96.0



#88  
1,4-Dichlorobenzene  
Concen: 5.084 ug/l  
RT: 13.818 min Scan# 2017  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion:146 Resp: 36121  
Ion Ratio Lower Upper  
146 100  
111 48.2 20.6 61.8  
148 69.0 31.6 94.8

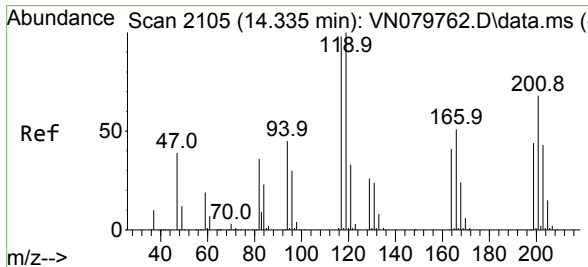
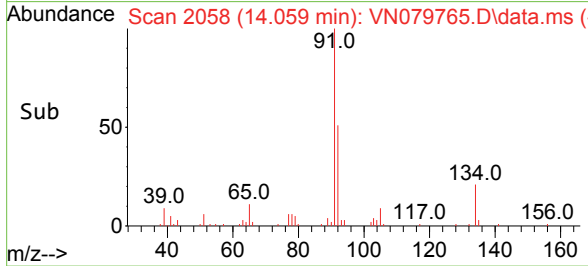
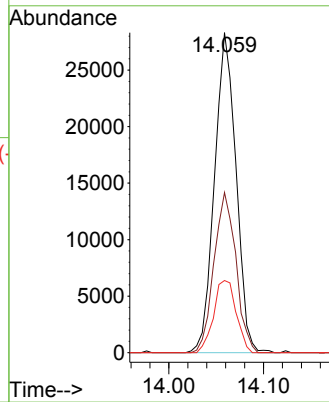
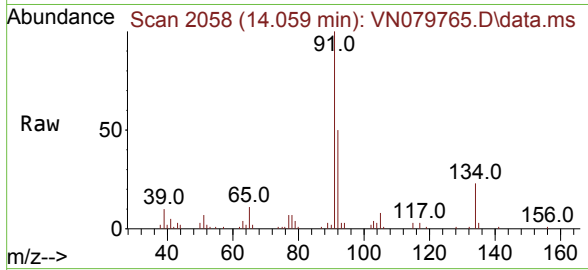




#89  
n-Butylbenzene  
Concen: 4.696 ug/l  
RT: 14.059 min Scan# 2058  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

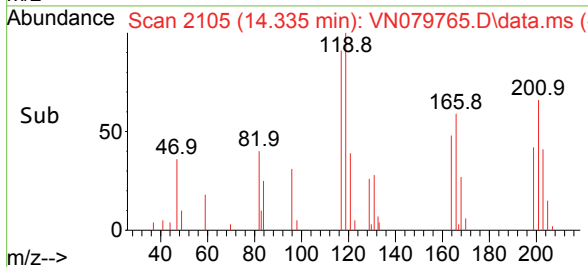
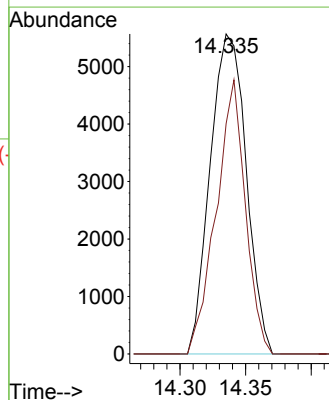
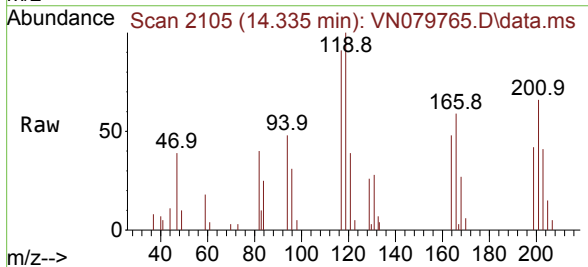
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

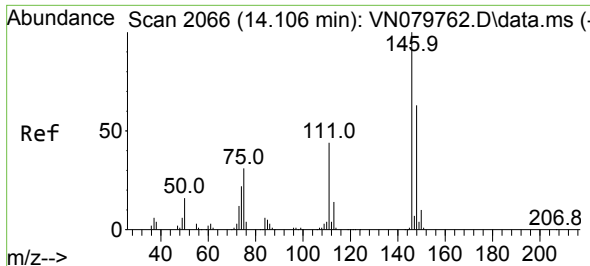
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 44715 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 50.9  | 26.4  | 79.0  |
| 134      | 23.7  | 12.6  | 37.6  |



#90  
Hexachloroethane  
Concen: 4.857 ug/l  
RT: 14.335 min Scan# 2105  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 10635 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 69.5  | 29.3  | 88.0  |

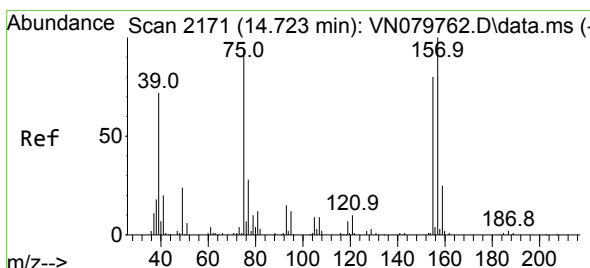
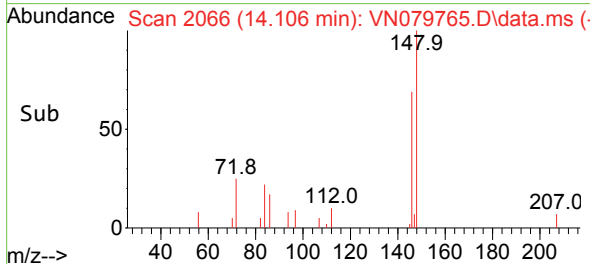
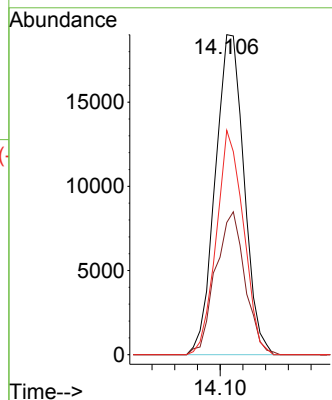
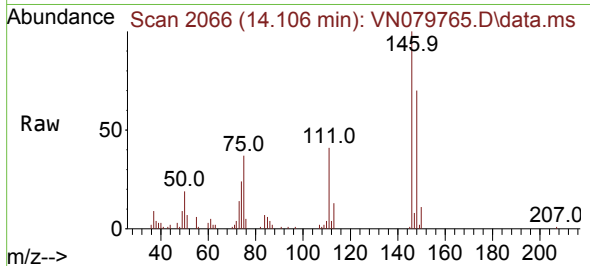




#91  
1,2-Dichlorobenzene  
Concen: 5.065 ug/l  
RT: 14.106 min Scan# 2066  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

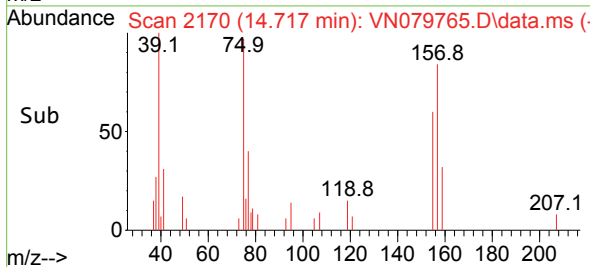
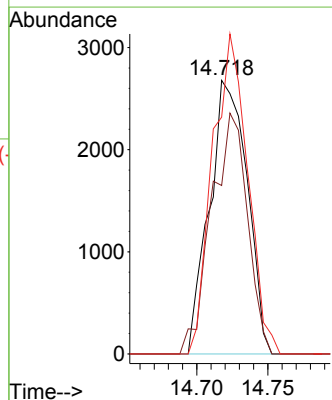
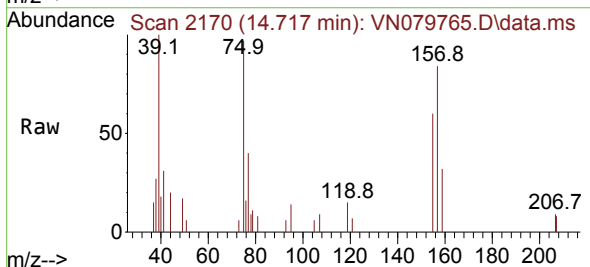
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

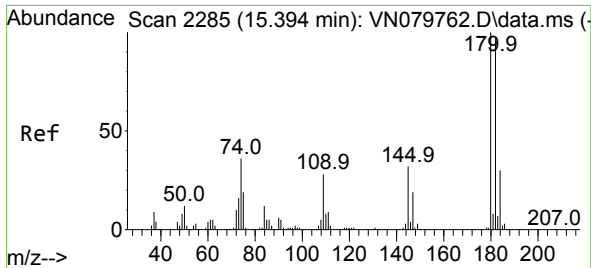
Tgt Ion:146 Resp: 33469  
Ion Ratio Lower Upper  
146 100  
111 45.8 22.0 66.0  
148 66.2 31.8 95.3



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 5.359 ug/l  
RT: 14.717 min Scan# 2170  
Delta R.T. -0.006 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion: 75 Resp: 4952  
Ion Ratio Lower Upper  
75 100  
155 83.8 39.1 117.2  
157 108.6 50.3 150.9

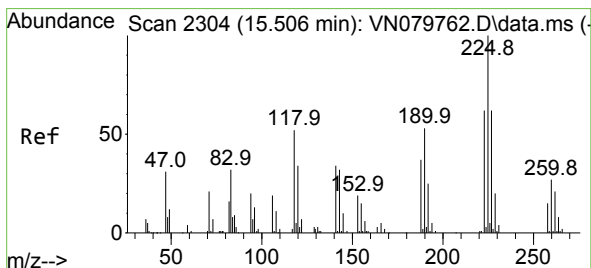
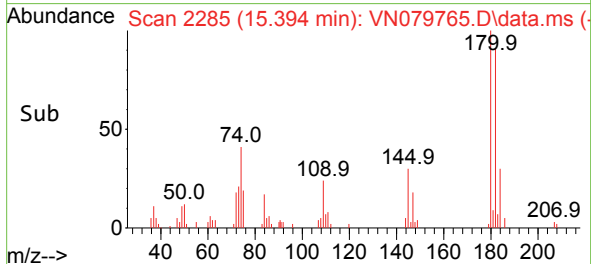
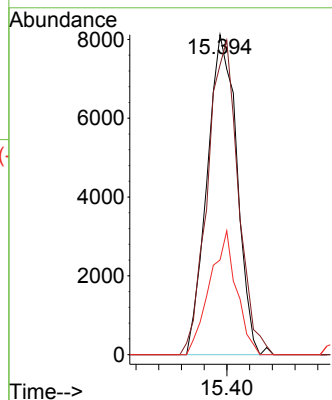
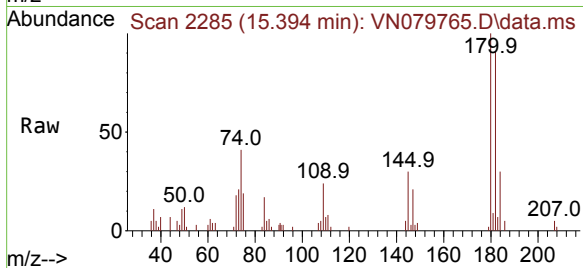




#93  
1,2,4-Trichlorobenzene  
Concen: 4.714 ug/l  
RT: 15.394 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

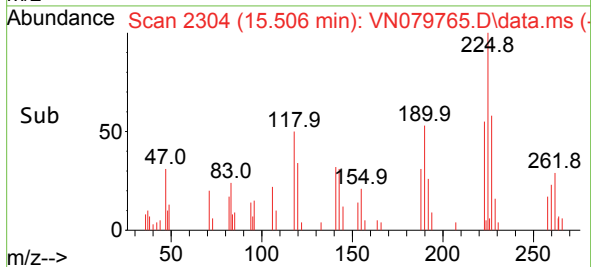
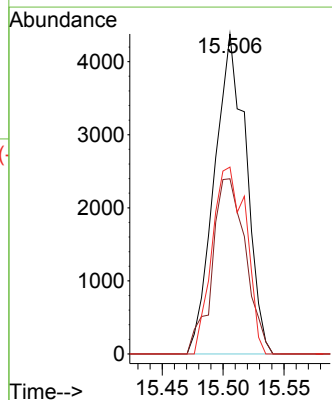
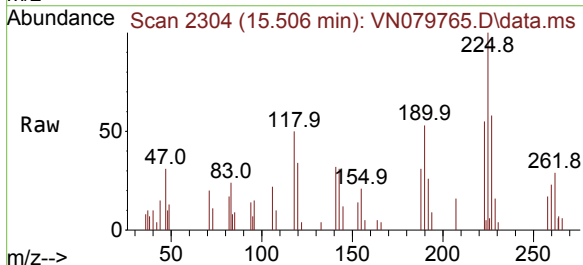
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

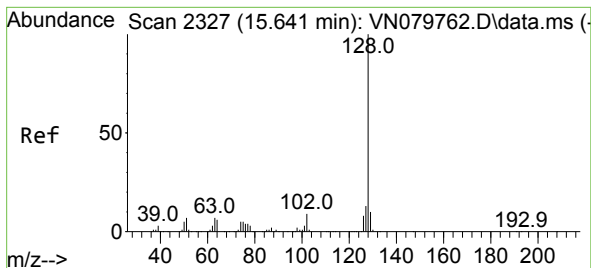
Tgt Ion:180 Resp: 14812  
Ion Ratio Lower Upper  
180 100  
182 100.6 46.1 138.2  
145 34.7 16.6 49.8



#94  
Hexachlorobutadiene  
Concen: 5.564 ug/l  
RT: 15.506 min Scan# 2304  
Delta R.T. 0.000 min  
Lab File: VN079765.D  
Acq: 01 Nov 2023 11:38

Tgt Ion:225 Resp: 7924  
Ion Ratio Lower Upper  
225 100  
223 57.8 31.3 93.8  
227 62.2 31.9 95.9





#95

Naphthalene

Concen: 4.851 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN079765.D

Acq: 01 Nov 2023 11:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

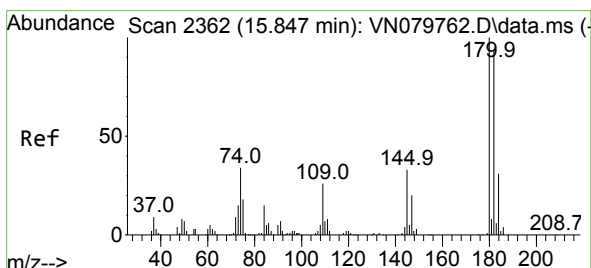
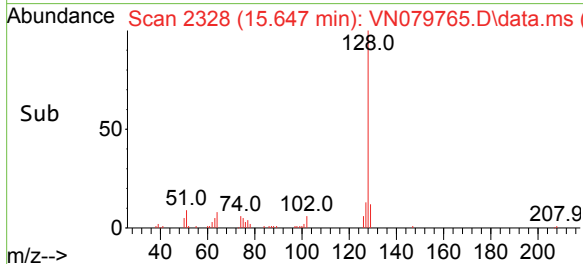
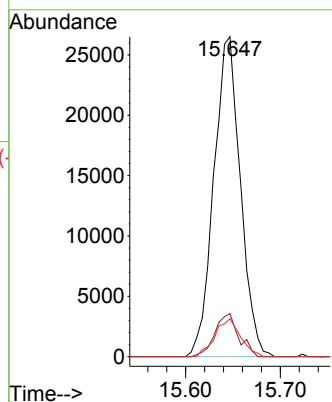
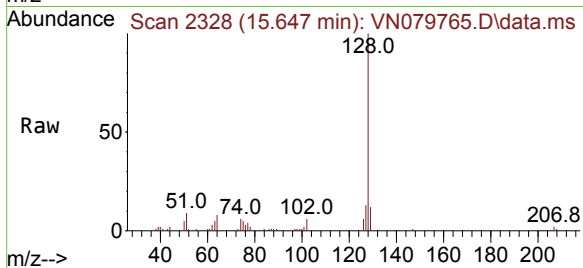
Tgt Ion:128 Resp: 51687

Ion Ratio Lower Upper

128 100

127 12.1 10.0 15.0

129 11.5 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 5.142 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VN079765.D

Acq: 01 Nov 2023 11:38

Tgt Ion:180 Resp: 15835

Ion Ratio Lower Upper

180 100

182 92.0 46.2 138.6

145 33.3 17.5 52.6

