

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062423\  
 Data File : VN078395.D  
 Acq On : 24 Jun 2023 15:25  
 Operator : JC\MD  
 Sample : VSTDC0050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: Jun 26 01:50:53 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060623W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 07 05:05:00 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.235  | 168  | 370810   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.112  | 114  | 672620   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 589506   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.800 | 152  | 233703   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |             |      |
|-----------------------------|--------|-------|----------|----------|-------------|------|
| System Monitoring Compounds |        |       |          |          |             |      |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 296856   | 60.043   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 120.080%  |      |
| 35) Dibromofluoromethane    | 8.177  | 113   | 255879   | 60.166   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 120.340%  |      |
| 50) Toluene-d8              | 10.571 | 98    | 935799   | 57.077   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 114.160%# |      |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 297730   | 58.414   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 116.820%  |      |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.136 | 85  | 196713  | 46.930  | ug/l   | 98  |
| 3) Chloromethane             | 2.371 | 50  | 261919  | 67.042  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.518 | 62  | 342403  | 62.383  | ug/l   | 97  |
| 5) Bromomethane              | 2.948 | 94  | 229187  | 55.252  | ug/l   | 98  |
| 6) Chloroethane              | 3.118 | 64  | 263045  | 70.302  | ug/l   | 96  |
| 7) Trichlorofluoromethane    | 3.500 | 101 | 561896  | 75.492  | ug/l   | 98  |
| 8) Diethyl Ether             | 3.971 | 74  | 173528  | 66.352  | ug/l   | 81  |
| 9) 1,1,2-Trichlorotrifluo... | 4.377 | 101 | 218534  | 55.633  | ug/l   | 97  |
| 10) Methyl Iodide            | 4.600 | 142 | 305131  | 54.928  | ug/l   | 98  |
| 11) Tert butyl alcohol       | 5.536 | 59  | 192907  | 282.578 | ug/l   | 100 |
| 12) 1,1-Dichloroethene       | 4.347 | 96  | 219721  | 54.262  | ug/l   | 92  |
| 13) Acrolein                 | 4.189 | 56  | 275382  | 366.010 | ug/l   | 98  |
| 14) Allyl chloride           | 5.030 | 41  | 315234  | 63.775  | ug/l   | 96  |
| 15) Acrylonitrile            | 5.730 | 53  | 534102  | 303.463 | ug/l   | 99  |
| 16) Acetone                  | 4.442 | 43  | 409098  | 287.475 | ug/l   | 96  |
| 17) Carbon Disulfide         | 4.724 | 76  | 578509  | 55.506  | ug/l   | 99  |
| 18) Methyl Acetate           | 5.036 | 43  | 378577  | 57.782  | ug/l   | 91  |
| 19) Methyl tert-butyl Ether  | 5.806 | 73  | 742377  | 57.462  | ug/l   | 98  |
| 20) Methylene Chloride       | 5.289 | 84  | 259683  | 55.221  | ug/l   | 89  |
| 21) trans-1,2-Dichloroethene | 5.794 | 96  | 246486  | 56.438  | ug/l   | 86  |
| 22) Diisopropyl ether        | 6.683 | 45  | 704647  | 60.605  | ug/l   | 95  |
| 23) Vinyl Acetate            | 6.618 | 43  | 2126491 | 307.673 | ug/l # | 90  |
| 24) 1,1-Dichloroethane       | 6.577 | 63  | 453556  | 59.134  | ug/l   | 99  |
| 25) 2-Butanone               | 7.488 | 43  | 668185  | 305.333 | ug/l   | 88  |
| 26) 2,2-Dichloropropane      | 7.500 | 77  | 368951  | 65.147  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 7.500 | 96  | 289372  | 55.547  | ug/l   | 93  |
| 28) Bromochloromethane       | 7.824 | 49  | 177005  | 50.262  | ug/l   | 89  |
| 29) Tetrahydrofuran          | 7.847 | 42  | 445770  | 304.707 | ug/l   | 85  |
| 30) Chloroform               | 7.977 | 83  | 491380  | 59.495  | ug/l   | 98  |
| 31) Cyclohexane              | 8.265 | 56  | 348179  | 54.900  | ug/l   | 92  |
| 32) 1,1,1-Trichloroethane    | 8.177 | 97  | 433869  | 59.836  | ug/l   | 96  |
| 36) 1,1-Dichloropropene      | 8.377 | 75  | 358236  | 58.725  | ug/l   | 97  |
| 37) Ethyl Acetate            | 7.571 | 43  | 286568  | 60.134  | ug/l   | 94  |
| 38) Carbon Tetrachloride     | 8.371 | 117 | 383529  | 59.542  | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.606 | 83  | 316384  | 50.046  | ug/l   | 92  |
| 40) Benzene                  | 8.612 | 78  | 1081644 | 59.392  | ug/l   | 99  |

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 Acq On : 24 Jun 2023 15:25  
 Operator : JC\MD  
 Sample : VSTDC0050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: Jun 26 01:50:53 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060623W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 07 05:05:00 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.788  | 41   | 151142   | 58.513   | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 365562   | 58.543   | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 536903   | 58.911   | ug/l   | 92       |
| 44) Trichloroethene           | 9.359  | 130  | 272375   | 56.632   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.630  | 63   | 271469   | 59.912   | ug/l   | 99       |
| 46) Dibromomethane            | 9.712  | 93   | 196949   | 59.011   | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.894  | 83   | 385644   | 62.206   | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.688  | 41   | 226439   | 59.205   | ug/l   | 90       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 94406    | 1174.402 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 10.453 | 43   | 1478077  | 307.980  | ug/l   | 93       |
| 52) Toluene                   | 10.635 | 92   | 678219   | 58.983   | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 10.841 | 75   | 397908   | 61.630   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 438069   | 61.380   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 11.024 | 97   | 260569   | 59.904   | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.882 | 69   | 392444   | 61.962   | ug/l   | 93       |
| 57) 1,3-Dichloropropane       | 11.171 | 76   | 448965   | 61.148   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 743648   | 290.650  | ug/l   | 92       |
| 59) 2-Hexanone                | 11.200 | 43   | 1040047  | 311.235  | ug/l   | 93       |
| 60) Dibromochloromethane      | 11.365 | 129  | 290275   | 60.985   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.476 | 107  | 269420   | 59.022   | ug/l   | 100      |
| 64) Tetrachloroethene         | 11.112 | 164  | 213177   | 54.205   | ug/l   | 96       |
| 65) Chlorobenzene             | 11.900 | 112  | 712697   | 56.453   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 275739   | 59.384   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.971 | 91   | 1261068  | 57.891   | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.076 | 106  | 959225   | 115.545  | ug/l   | 97       |
| 69) o-Xylene                  | 12.406 | 106  | 475795   | 58.362   | ug/l   | 97       |
| 70) Styrene                   | 12.418 | 104  | 767615   | 59.809   | ug/l   | 97       |
| 71) Bromoform                 | 12.582 | 173  | 187901   | 62.706   | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.700 | 105  | 1146996  | 51.901   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.500 | 43   | 404129   | 55.531   | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 367545   | 61.007   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 13.000 | 75   | 440300   | 79.695   | ug/l   | 72       |
| 77) Bromobenzene              | 12.988 | 156  | 272045   | 53.028   | ug/l   | 98       |
| 78) n-propylbenzene           | 13.041 | 91   | 1261473  | 52.538   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 815800   | 52.636   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 919185   | 51.373   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 107917   | 60.012   | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 13.229 | 91   | 779841   | 53.912   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 763312   | 49.078   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 926026   | 53.383   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.623 | 105  | 944838   | 46.414   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 782900   | 47.392   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 442528   | 50.996   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.817 | 146  | 435123   | 51.964   | ug/l   | 100      |
| 89) n-Butylbenzene            | 14.059 | 91   | 587742   | 45.107   | ug/l   | 98       |
| 90) Hexachloroethane          | 14.341 | 117  | 173334   | 59.125   | ug/l   | 83       |
| 91) 1,2-Dichlorobenzene       | 14.112 | 146  | 436355   | 51.451   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 58125    | 53.099   | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.400 | 180  | 135326   | 44.784   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 71005    | 47.822   | ug/l   | 99       |
| 95) Naphthalene               | 15.647 | 128  | 439259   | 43.216   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.847 | 180  | 146484   | 43.344   | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062423\  
Data File : VN078395.D  
Acq On : 24 Jun 2023 15:25  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 10 Sample Multiplier: 1

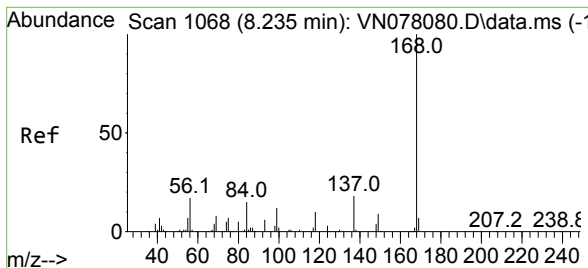
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Jun 26 01:50:53 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060623W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 07 05:05:00 2023  
Response via : Initial Calibration

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

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

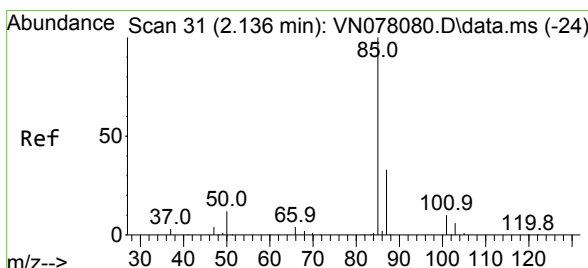
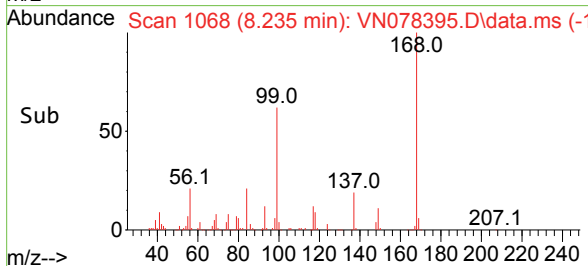
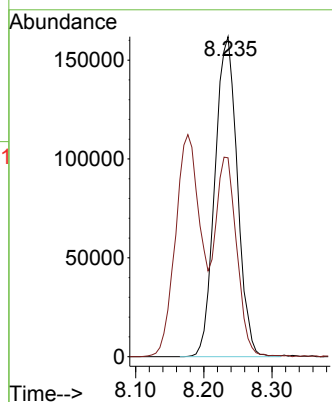
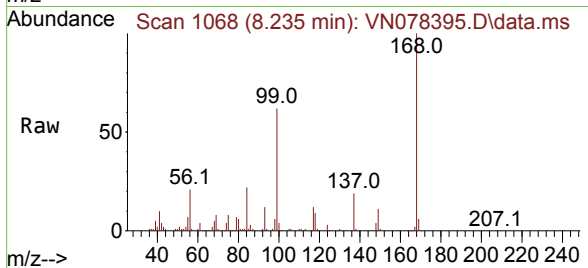




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.235 min Scan# 1068  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

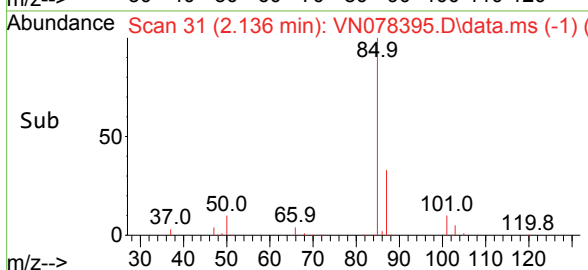
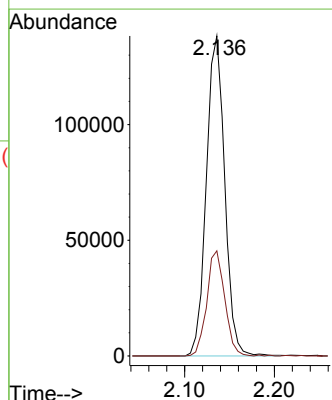
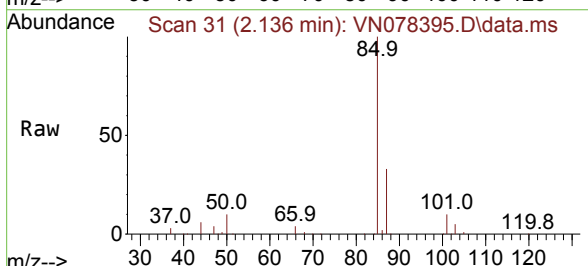
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ClientSampleId :  
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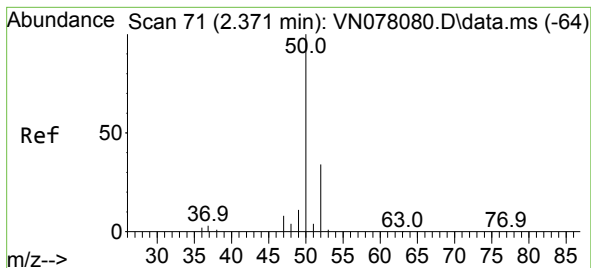
Tgt Ion:168 Resp: 370810  
Ion Ratio Lower Upper  
168 100  
99 61.8 53.0 79.6



#2  
Dichlorodifluoromethane  
Concen: 46.930 ug/l  
RT: 2.136 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Tgt Ion: 85 Resp: 196713  
Ion Ratio Lower Upper  
85 100  
87 32.8 15.8 47.4





#3

Chloromethane

Concen: 67.042 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078395.D

Acq: 24 Jun 2023 15:25

Instrument :

MSVOA\_N

ClientSampleId :

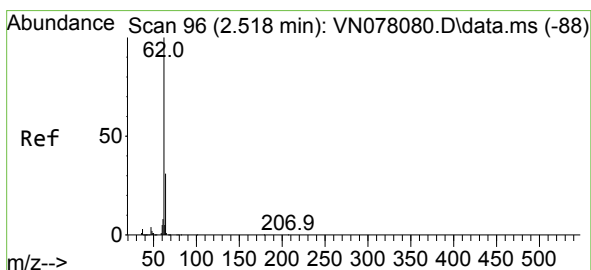
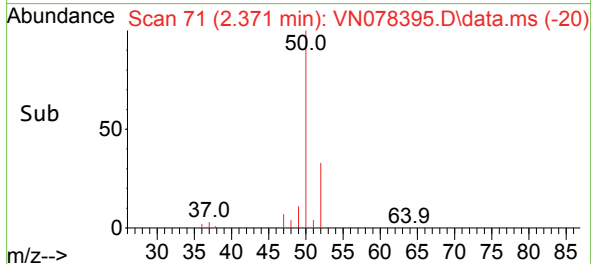
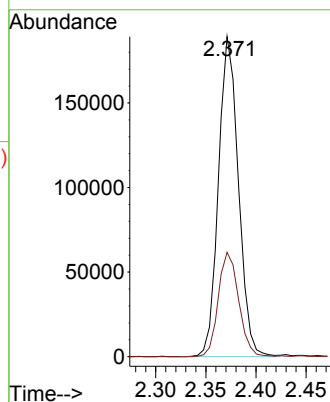
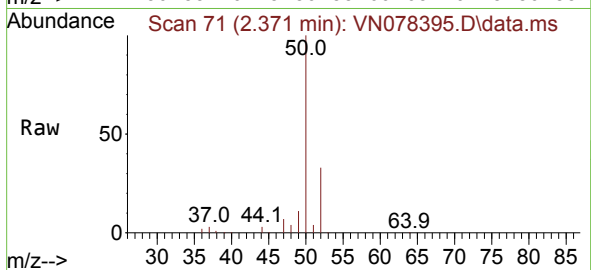
VSTDCCC050EC

Tgt Ion: 50 Resp: 261919

Ion Ratio Lower Upper

50 100

52 32.6 26.5 39.7



#4

Vinyl Chloride

Concen: 62.383 ug/l

RT: 2.518 min Scan# 96

Delta R.T. 0.000 min

Lab File: VN078395.D

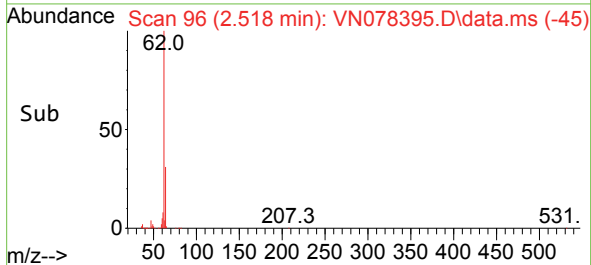
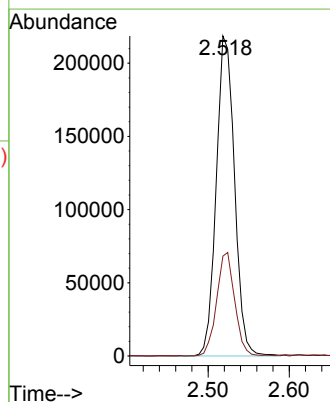
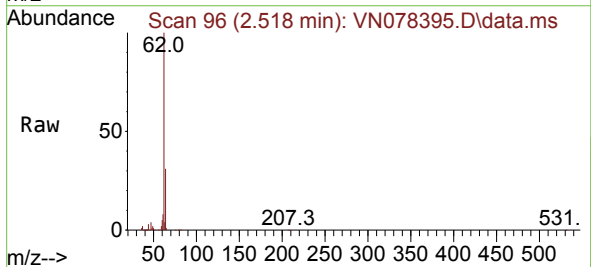
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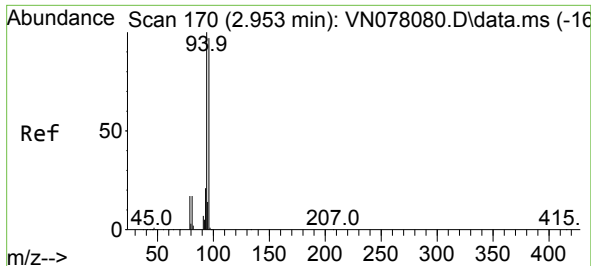
Tgt Ion: 62 Resp: 342403

Ion Ratio Lower Upper

62 100

64 31.1 26.2 39.2

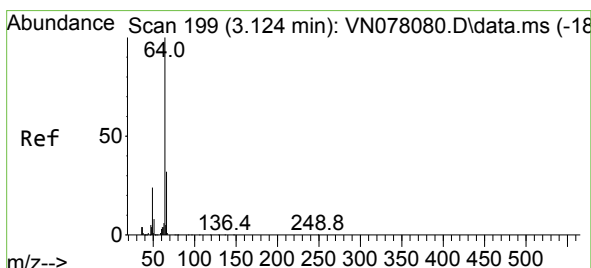
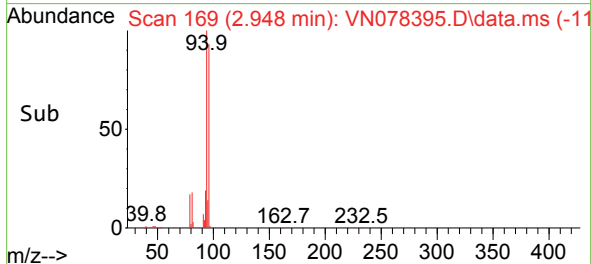
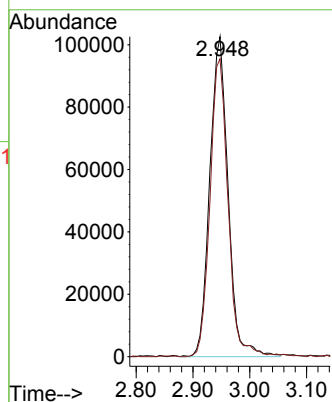
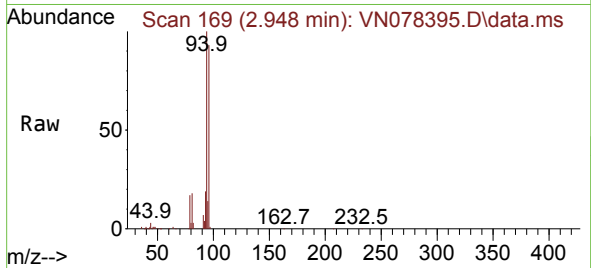




#5  
Bromomethane  
Concen: 55.252 ug/l  
RT: 2.948 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

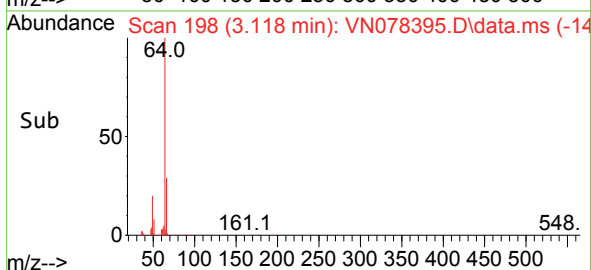
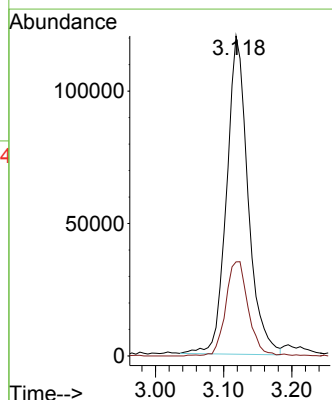
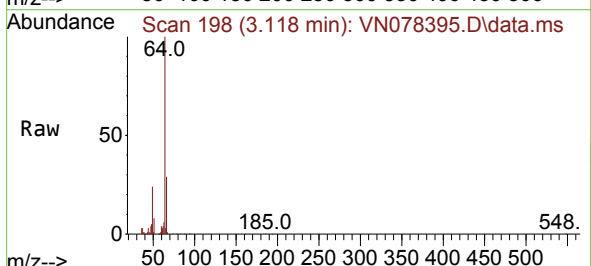
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

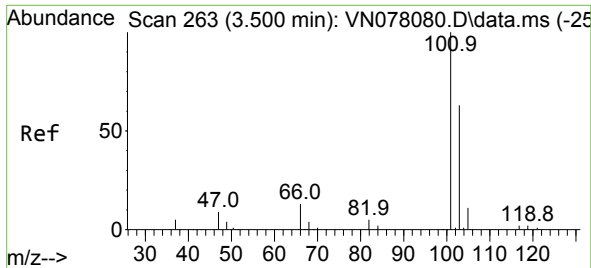
Tgt Ion: 94 Resp: 229187  
Ion Ratio Lower Upper  
94 100  
96 93.1 73.1 109.7



#6  
Chloroethane  
Concen: 70.302 ug/l  
RT: 3.118 min Scan# 198  
Delta R.T. -0.006 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Tgt Ion: 64 Resp: 263045  
Ion Ratio Lower Upper  
64 100  
66 29.7 25.4 38.2

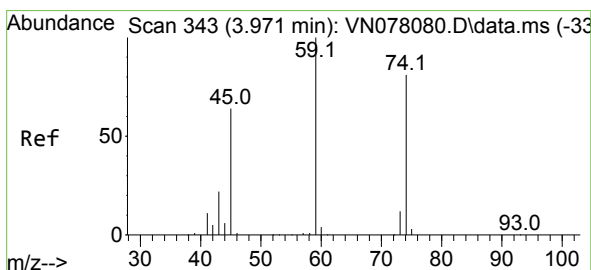
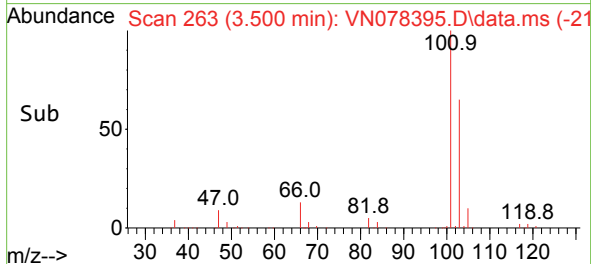
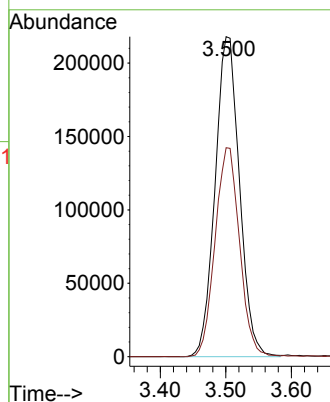
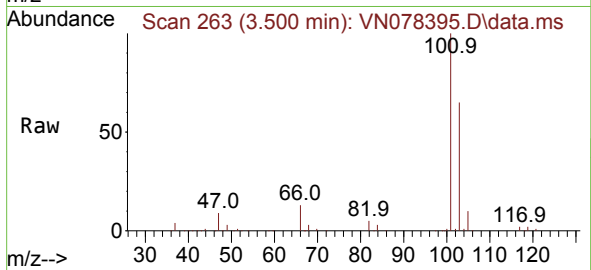




#7  
 Trichlorofluoromethane  
 Concen: 75.492 ug/l  
 RT: 3.500 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN078395.D  
 Acq: 24 Jun 2023 15:25

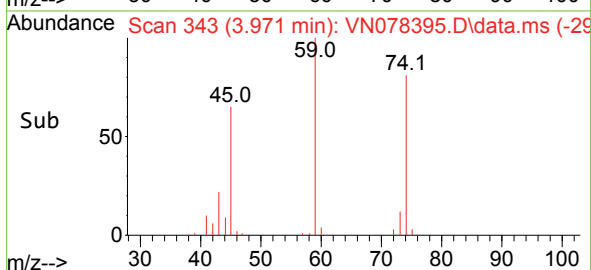
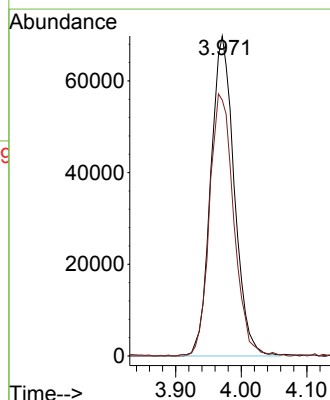
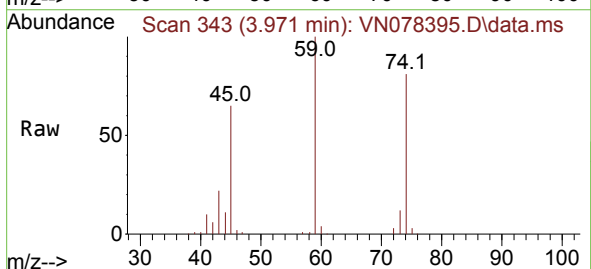
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion:101 Resp: 561896  
 Ion Ratio Lower Upper  
 101 100  
 103 65.3 50.7 76.1

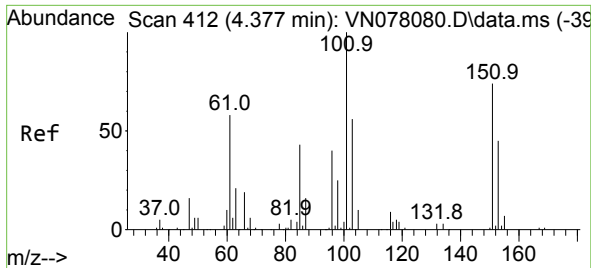


#8  
 Diethyl Ether  
 Concen: 66.352 ug/l  
 RT: 3.971 min Scan# 343  
 Delta R.T. 0.000 min  
 Lab File: VN078395.D  
 Acq: 24 Jun 2023 15:25

Tgt Ion: 74 Resp: 173528  
 Ion Ratio Lower Upper  
 74 100  
 45 84.6 34.4 103.3



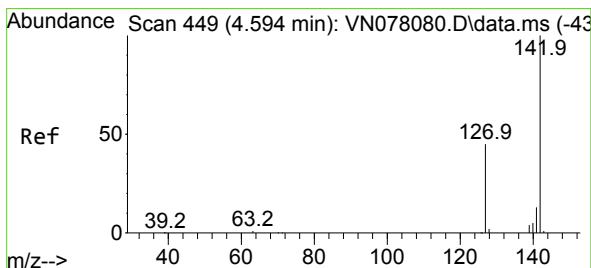
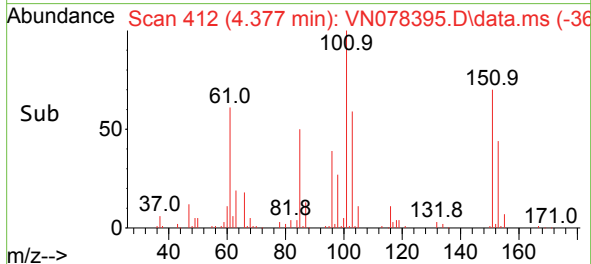
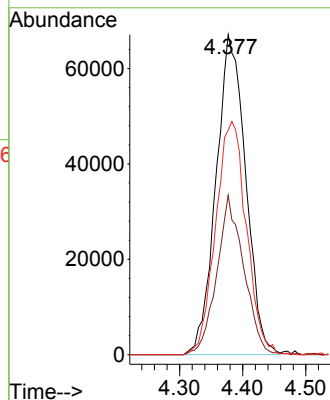
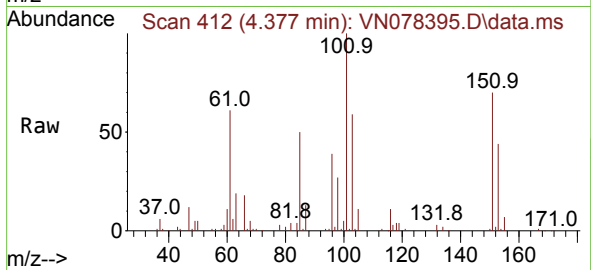




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 55.633 ug/l  
RT: 4.377 min Scan# 412  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

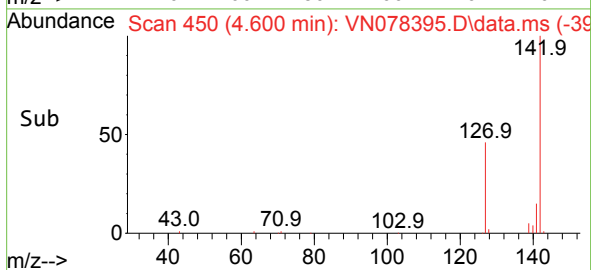
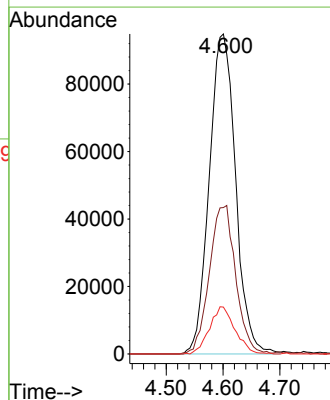
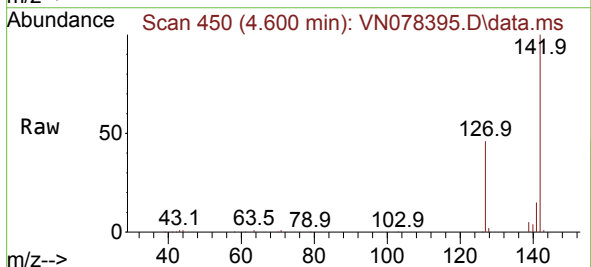
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

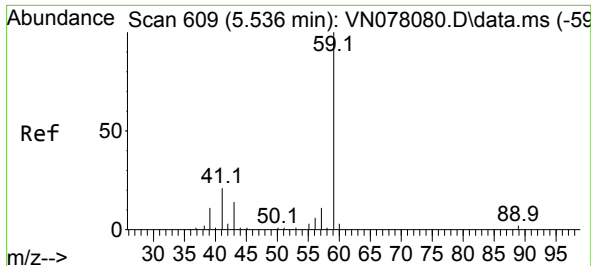
Tgt Ion:101 Resp: 218534  
Ion Ratio Lower Upper  
101 100  
85 45.4 36.6 55.0  
151 75.7 57.6 86.4



#10  
Methyl Iodide  
Concen: 54.928 ug/l  
RT: 4.600 min Scan# 450  
Delta R.T. 0.006 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Tgt Ion:142 Resp: 305131  
Ion Ratio Lower Upper  
142 100  
127 45.8 37.6 56.4  
141 14.7 11.4 17.0

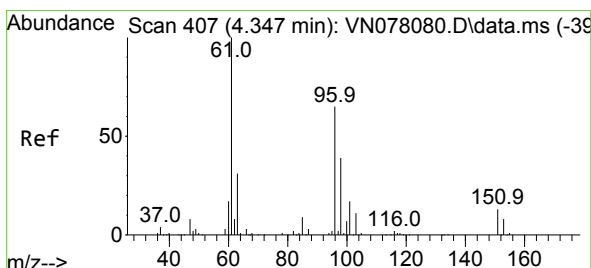
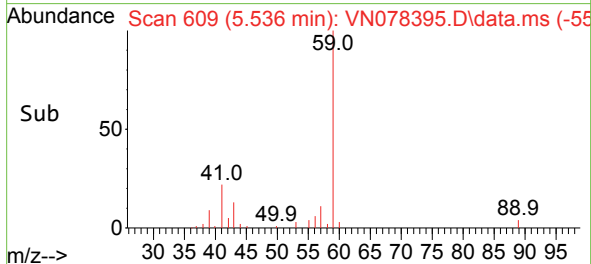
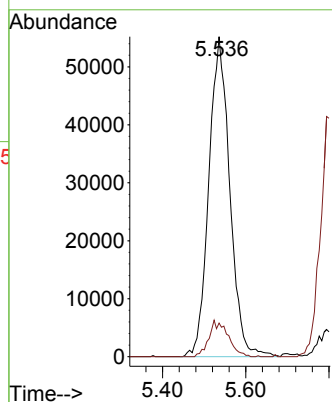
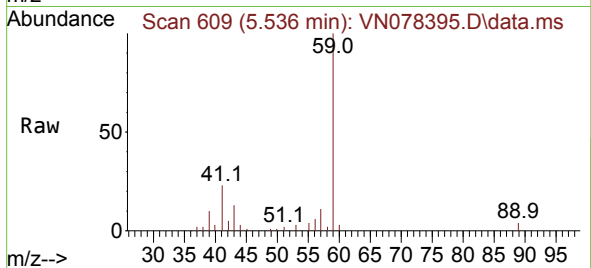




#11  
Tert butyl alcohol  
Concen: 282.578 ug/l  
RT: 5.536 min Scan# 609  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

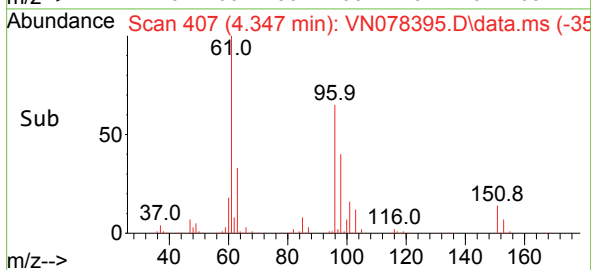
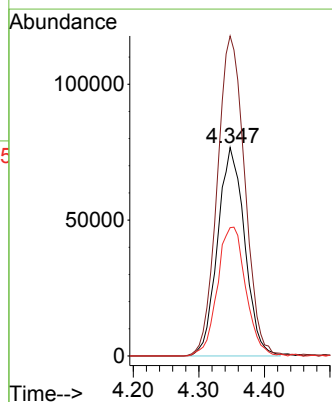
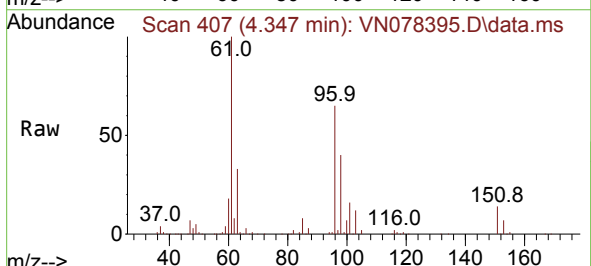
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

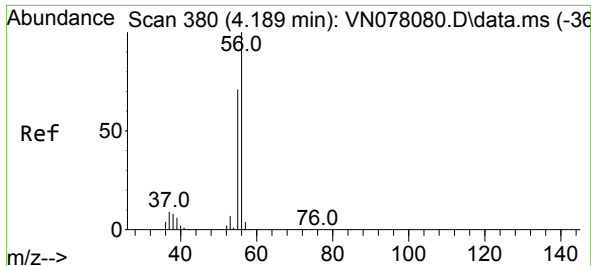
Tgt Ion: 59 Resp: 192907  
Ion Ratio Lower Upper  
59 100  
57 10.4 8.2 12.4



#12  
1,1-Dichloroethene  
Concen: 54.262 ug/l  
RT: 4.347 min Scan# 407  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Tgt Ion: 96 Resp: 219721  
Ion Ratio Lower Upper  
96 100  
61 153.5 112.7 169.1  
98 61.6 51.2 76.8

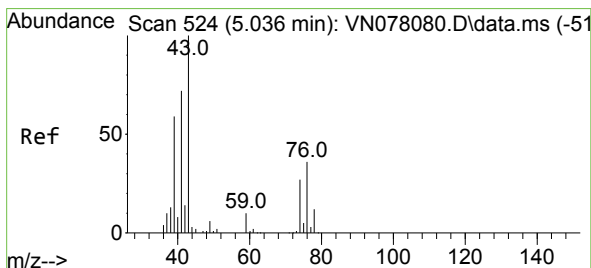
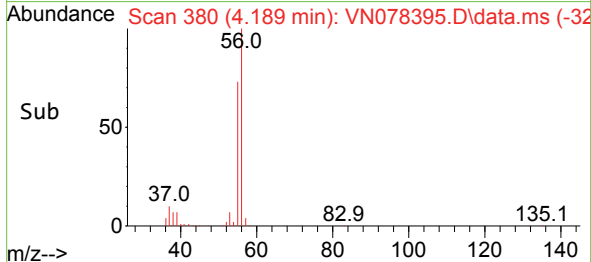
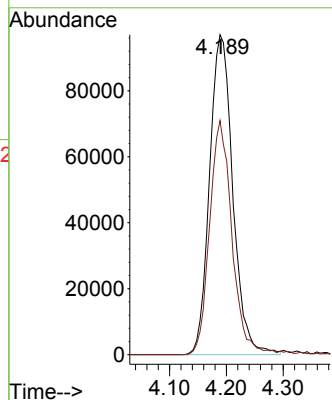
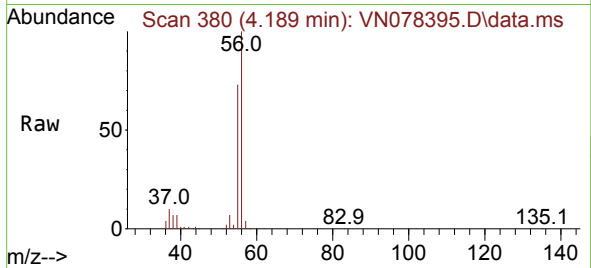




#13  
Acrolein  
Concen: 366.010 ug/l  
RT: 4.189 min Scan# 380  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

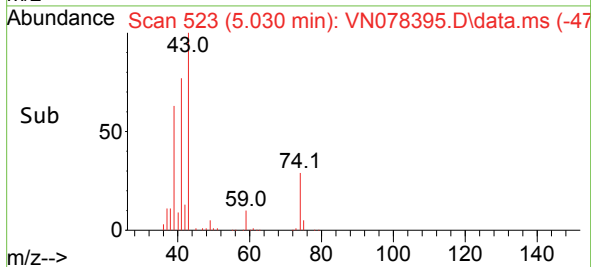
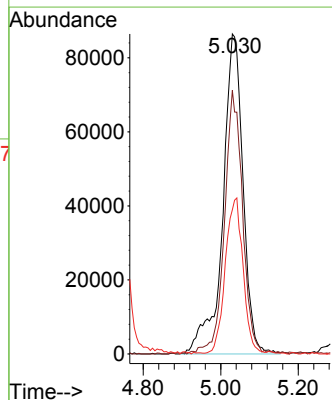
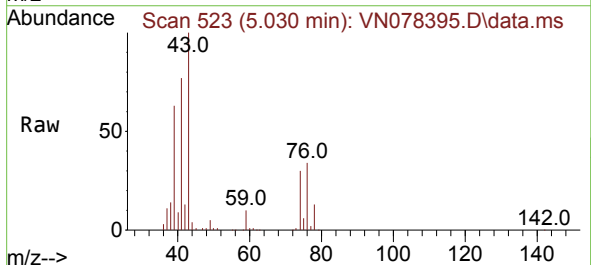
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

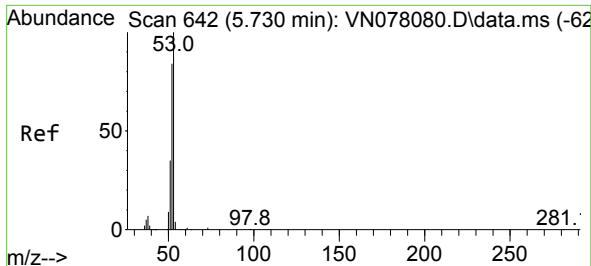
Tgt Ion: 56 Resp: 275382  
Ion Ratio Lower Upper  
56 100  
55 70.1 54.5 81.7



#14  
Allyl chloride  
Concen: 63.775 ug/l  
RT: 5.030 min Scan# 523  
Delta R.T. -0.006 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Tgt Ion: 41 Resp: 315234  
Ion Ratio Lower Upper  
41 100  
39 73.4 58.8 88.2  
76 42.1 39.1 58.7

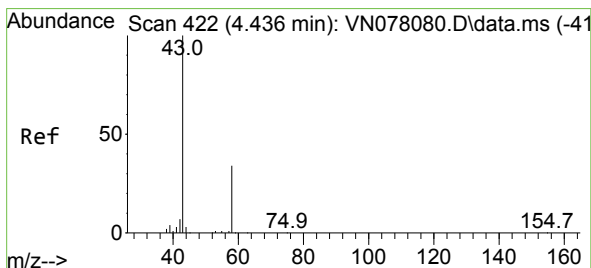
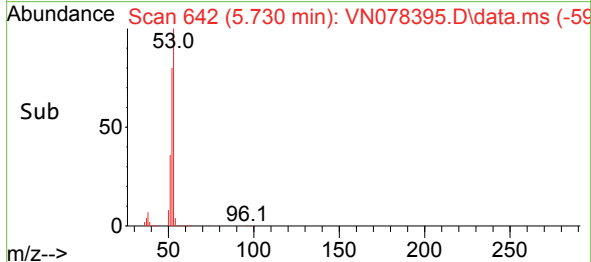
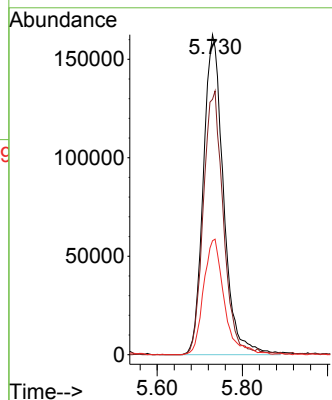
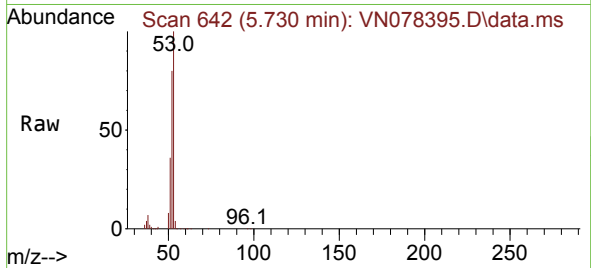




#15  
Acrylonitrile  
Concen: 303.463 ug/l  
RT: 5.730 min Scan# 642  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

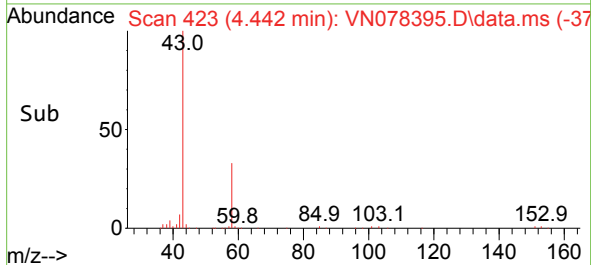
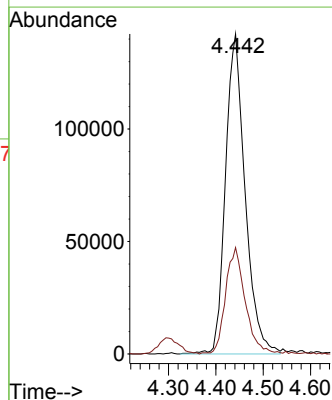
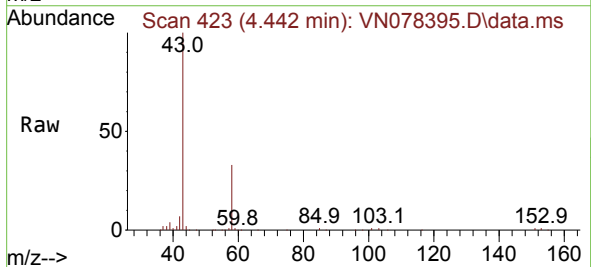
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

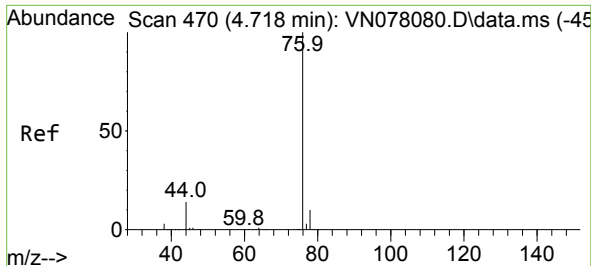
Tgt Ion: 53 Resp: 534102  
Ion Ratio Lower Upper  
53 100  
52 82.5 65.3 97.9  
51 37.1 28.9 43.3



#16  
Acetone  
Concen: 287.475 ug/l  
RT: 4.442 min Scan# 423  
Delta R.T. 0.006 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Tgt Ion: 43 Resp: 409098  
Ion Ratio Lower Upper  
43 100  
58 32.9 28.0 42.0

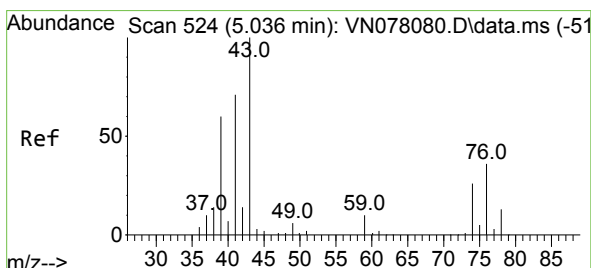
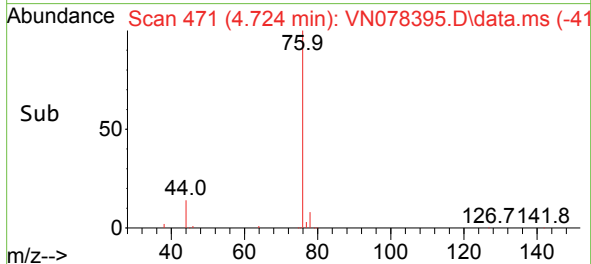
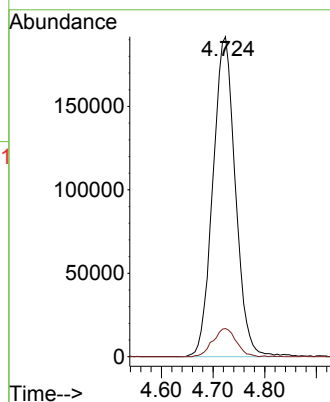
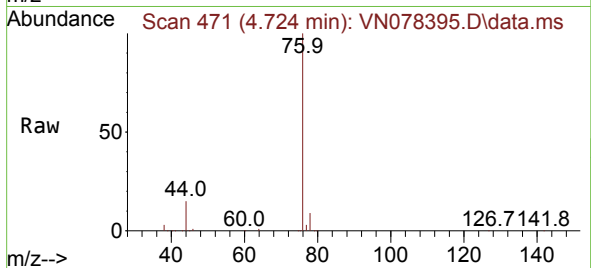




#17  
Carbon Disulfide  
Concen: 55.506 ug/l  
RT: 4.724 min Scan# 471  
Delta R.T. 0.006 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

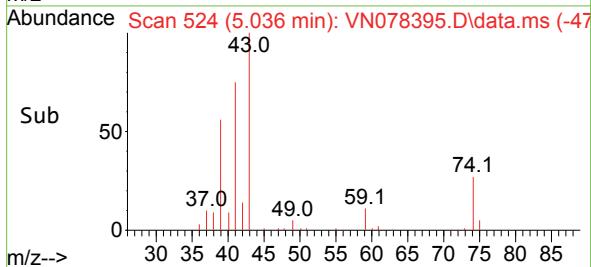
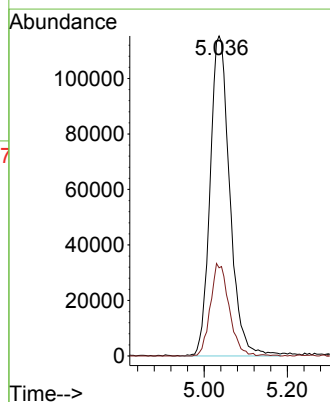
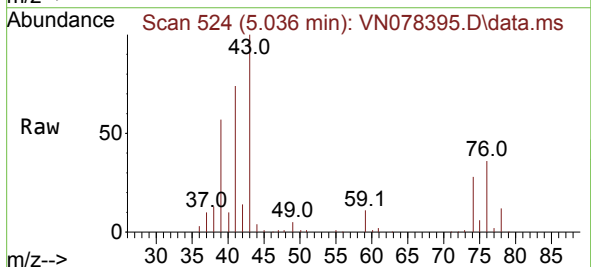
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

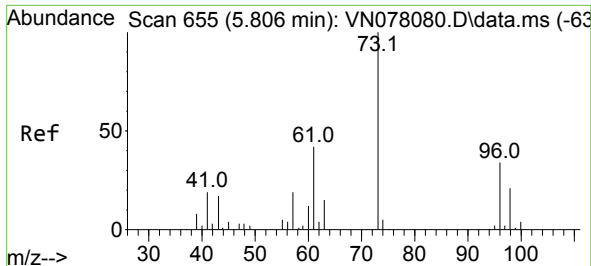
Tgt Ion: 76 Resp: 578509  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.4 11.0



#18  
Methyl Acetate  
Concen: 57.782 ug/l  
RT: 5.036 min Scan# 524  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Tgt Ion: 43 Resp: 378577  
Ion Ratio Lower Upper  
43 100  
74 27.5 26.2 39.4

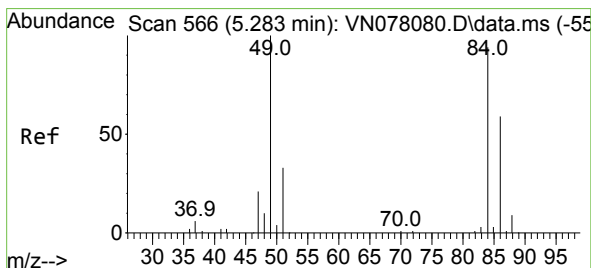
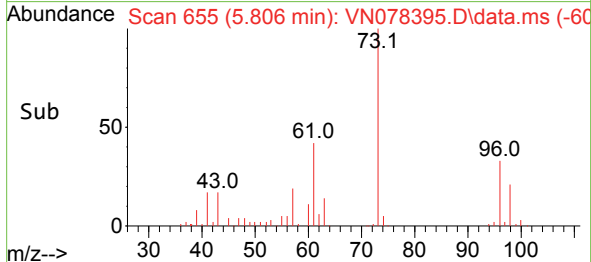
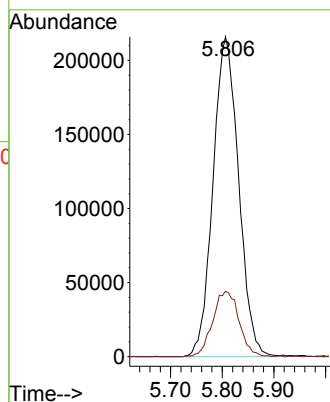
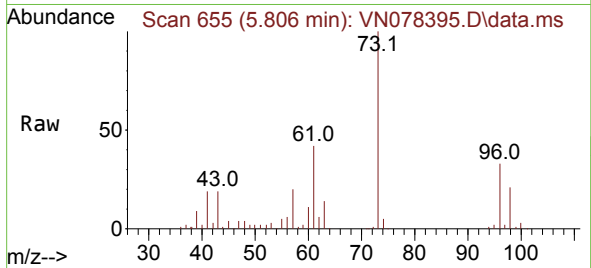




#19  
Methyl tert-butyl Ether  
Concen: 57.462 ug/l  
RT: 5.806 min Scan# 611  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

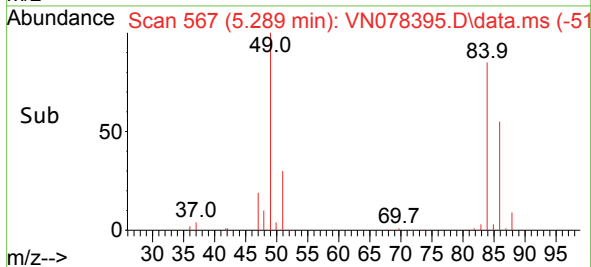
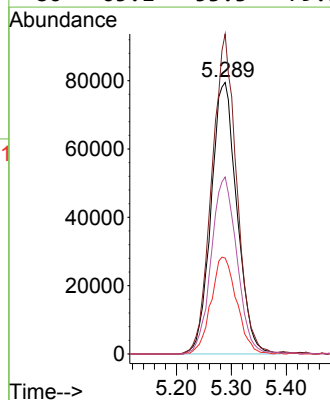
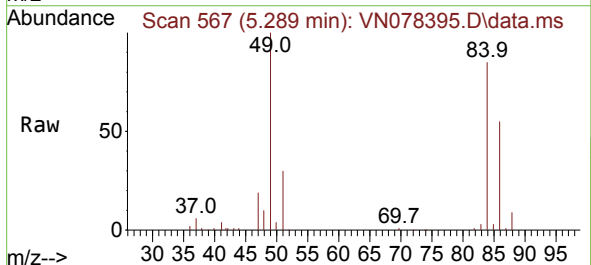
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

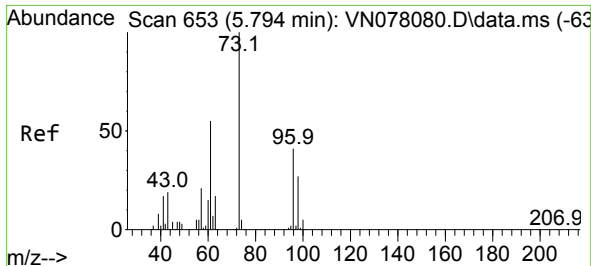
Tgt Ion: 73 Resp: 742377  
Ion Ratio Lower Upper  
73 100  
57 20.5 15.6 23.4



#20  
Methylene Chloride  
Concen: 55.221 ug/l  
RT: 5.289 min Scan# 567  
Delta R.T. 0.006 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Tgt Ion: 84 Resp: 259683  
Ion Ratio Lower Upper  
84 100  
49 117.8 79.7 119.5  
51 35.3 25.2 37.8  
86 65.1 53.3 79.9

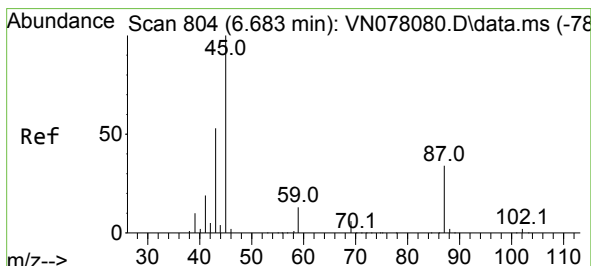
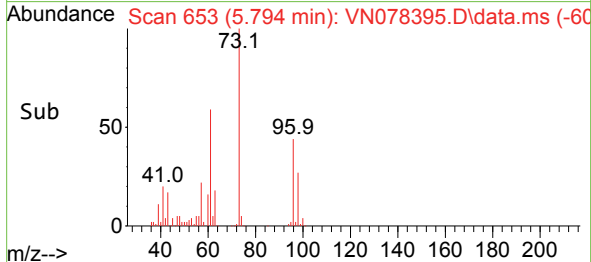
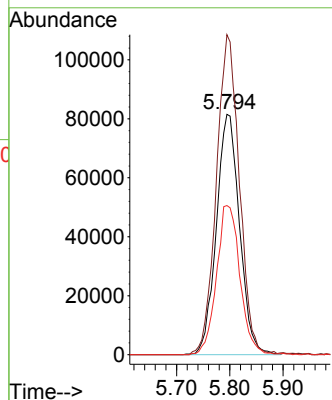
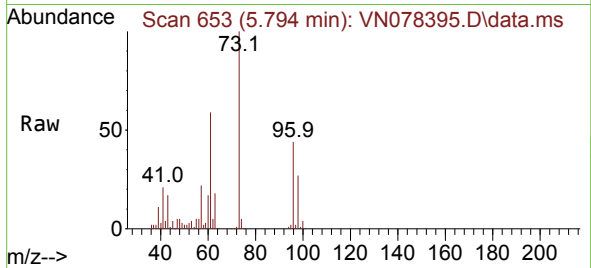




#21  
trans-1,2-Dichloroethene  
Concen: 56.438 ug/l  
RT: 5.794 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

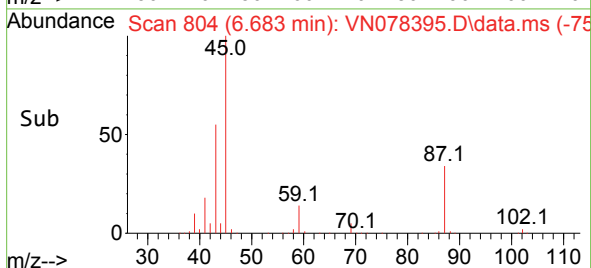
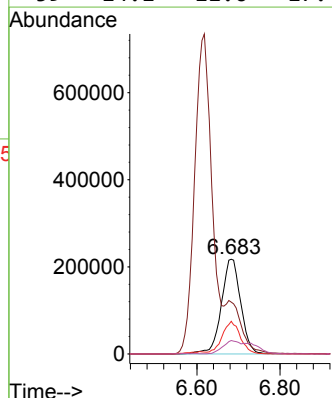
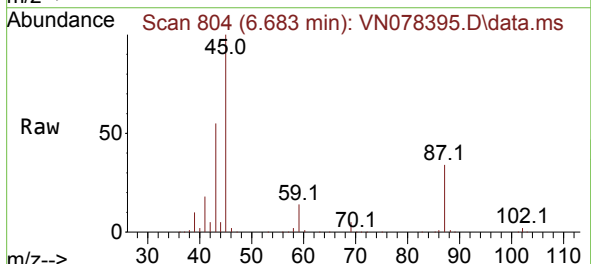
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

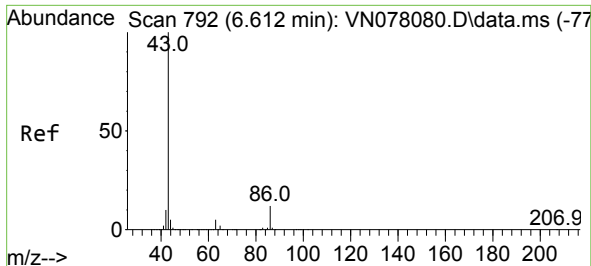
Tgt Ion: 96 Resp: 246486  
Ion Ratio Lower Upper  
96 100  
61 133.1 90.1 135.1  
98 62.0 46.4 69.6



#22  
Diisopropyl ether  
Concen: 60.605 ug/l  
RT: 6.683 min Scan# 804  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Tgt Ion: 45 Resp: 704647  
Ion Ratio Lower Upper  
45 100  
43 54.0 45.5 68.3  
87 34.4 31.8 47.8  
59 14.1 11.6 17.4

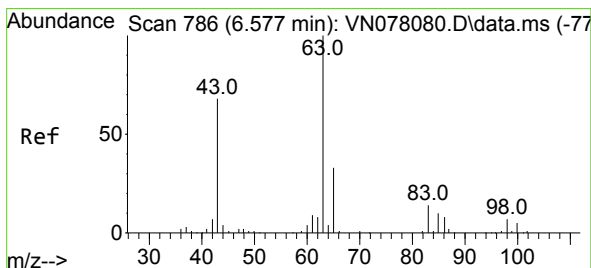
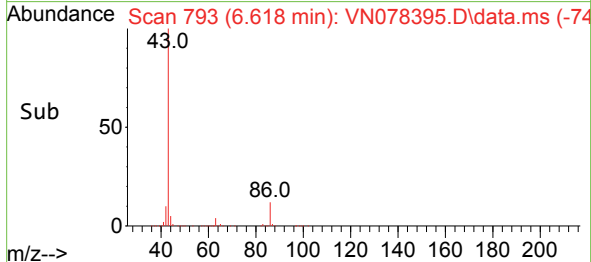
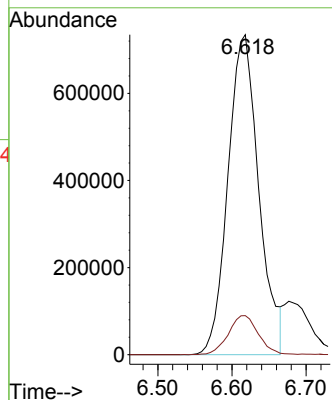
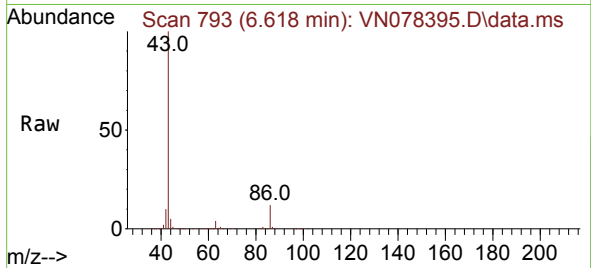




#23  
 Vinyl Acetate  
 Concen: 307.673 ug/l  
 RT: 6.618 min Scan# 793  
 Delta R.T. 0.006 min  
 Lab File: VN078395.D  
 Acq: 24 Jun 2023 15:25

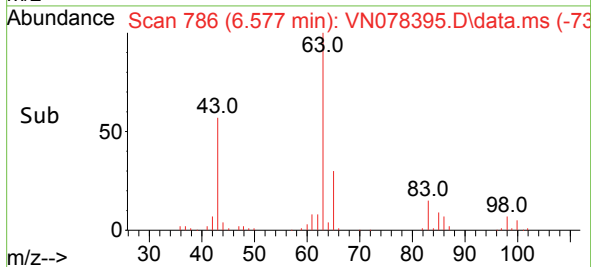
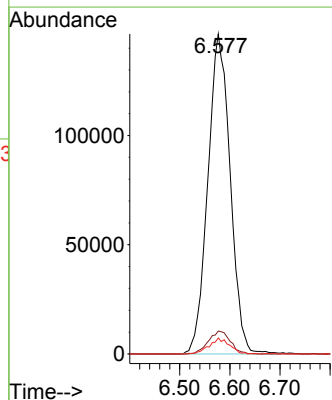
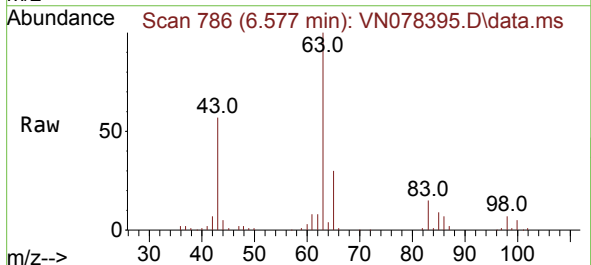
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 43 Resp: 2126491  
 Ion Ratio Lower Upper  
 43 100  
 86 12.2 13.0 19.6#

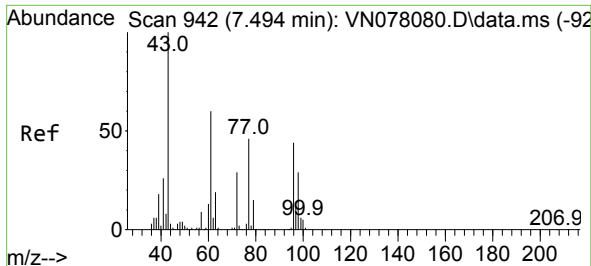


#24  
 1,1-Dichloroethane  
 Concen: 59.134 ug/l  
 RT: 6.577 min Scan# 786  
 Delta R.T. 0.000 min  
 Lab File: VN078395.D  
 Acq: 24 Jun 2023 15:25

Tgt Ion: 63 Resp: 453556  
 Ion Ratio Lower Upper  
 63 100  
 98 7.2 3.9 11.7  
 100 5.0 2.5 7.4



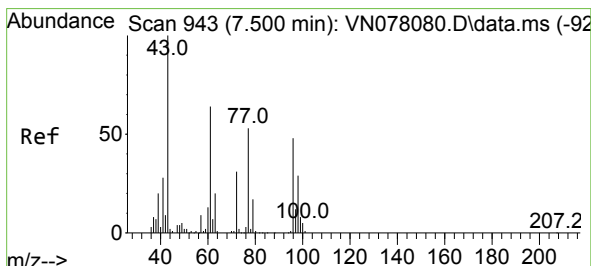
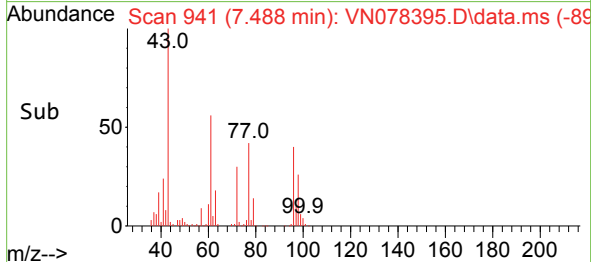
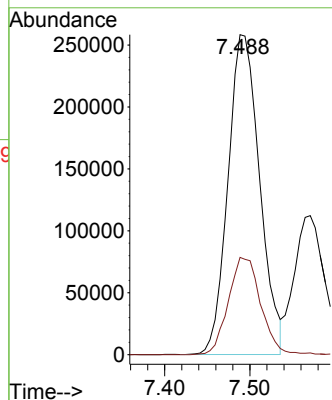
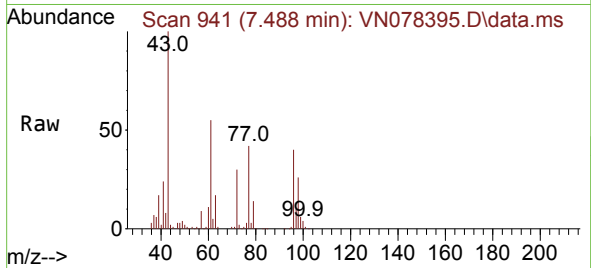




#25  
2-Butanone  
Concen: 305.333 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. -0.006 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

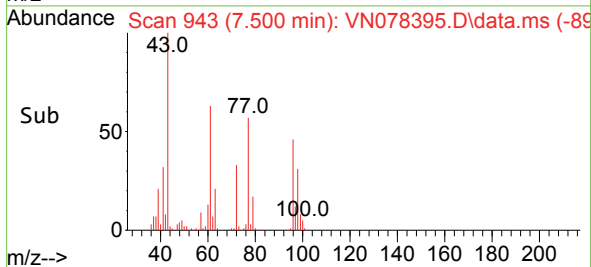
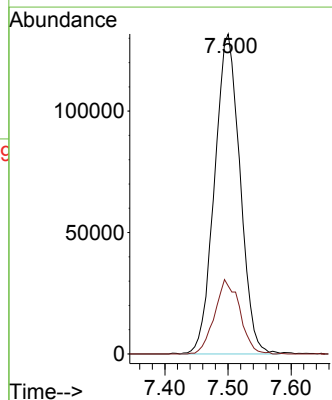
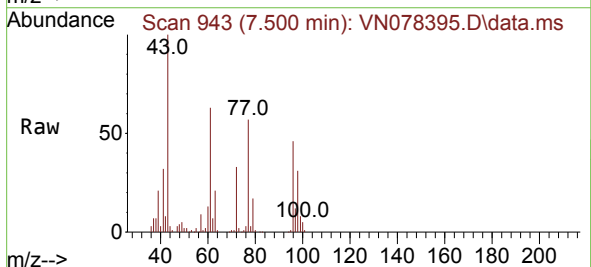
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

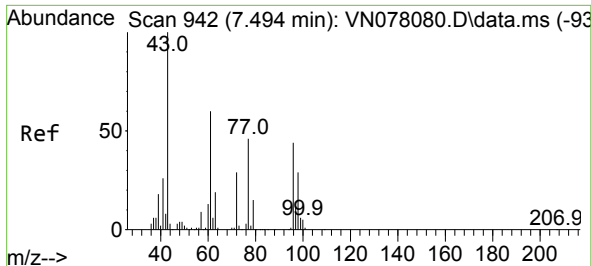
Tgt Ion: 43 Resp: 668185  
Ion Ratio Lower Upper  
43 100  
72 30.4 30.2 45.2



#26  
2,2-Dichloropropane  
Concen: 65.147 ug/l  
RT: 7.500 min Scan# 943  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Tgt Ion: 77 Resp: 368951  
Ion Ratio Lower Upper  
77 100  
97 23.0 11.2 33.6

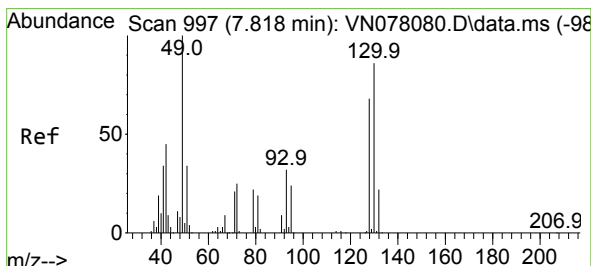
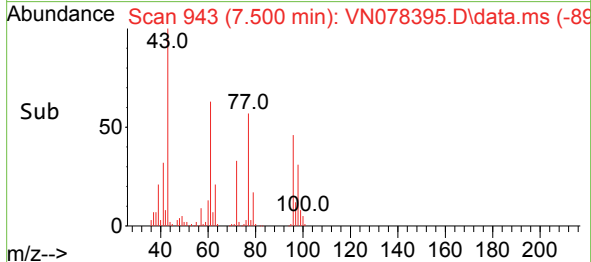
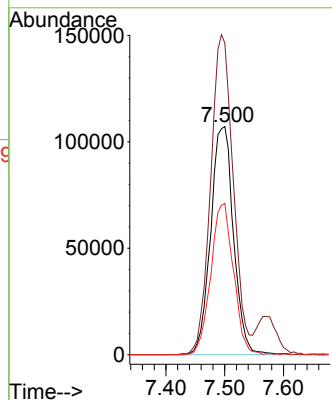
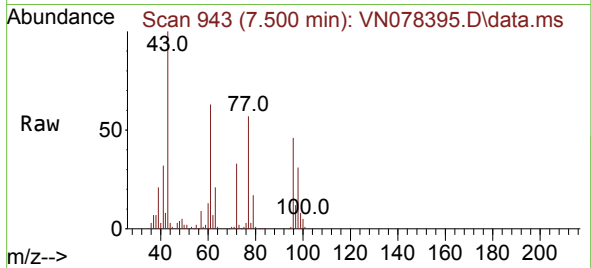




#27  
 cis-1,2-Dichloroethene  
 Concen: 55.547 ug/l  
 RT: 7.500 min Scan# 94  
 Delta R.T. 0.006 min  
 Lab File: VN078395.D  
 Acq: 24 Jun 2023 15:25

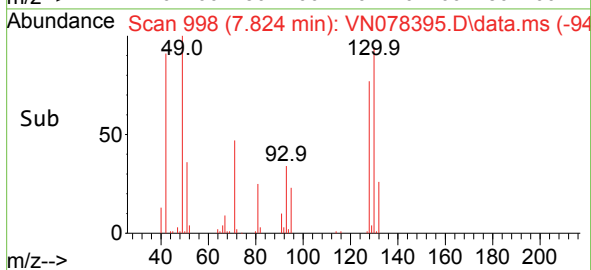
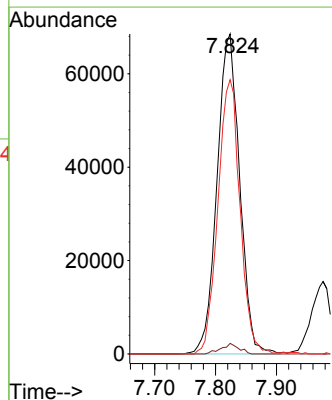
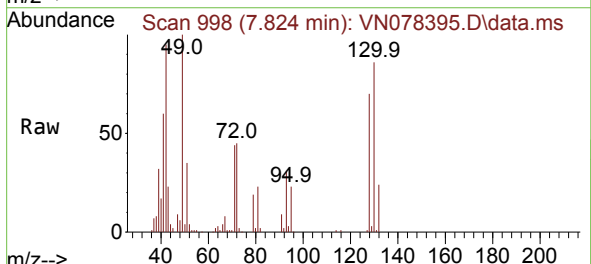
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

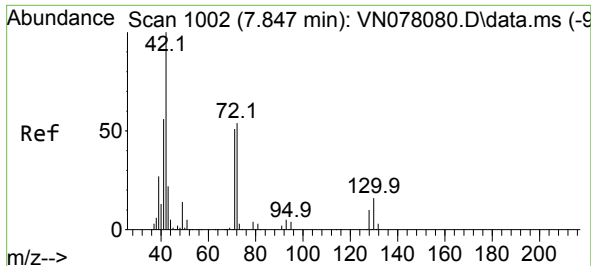
Tgt Ion: 96 Resp: 289372  
 Ion Ratio Lower Upper  
 96 100  
 61 139.4 0.0 255.2  
 98 65.9 0.0 128.8



#28  
 Bromochloromethane  
 Concen: 50.262 ug/l  
 RT: 7.824 min Scan# 998  
 Delta R.T. 0.006 min  
 Lab File: VN078395.D  
 Acq: 24 Jun 2023 15:25

Tgt Ion: 49 Resp: 177005  
 Ion Ratio Lower Upper  
 49 100  
 129 2.6 0.0 4.8  
 130 83.6 75.3 112.9





#29

Tetrahydrofuran

Concen: 304.707 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.000 min

Lab File: VN078395.D

Acq: 24 Jun 2023 15:25

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

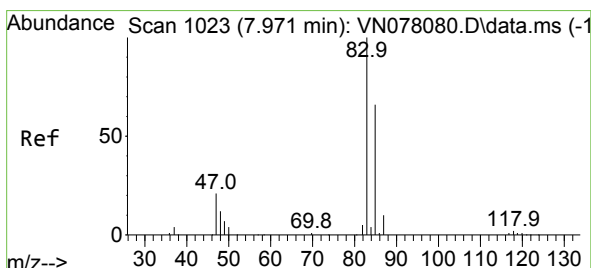
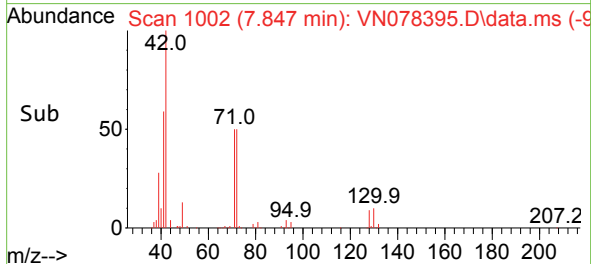
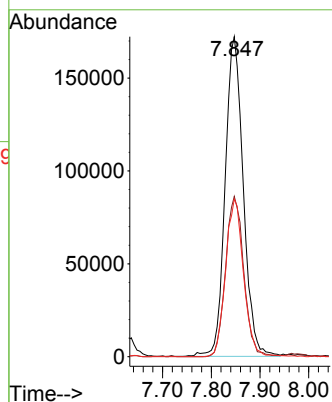
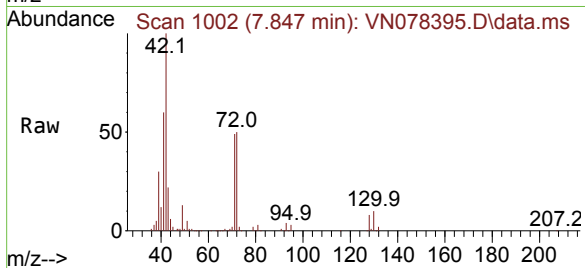
Tgt Ion: 42 Resp: 445770

Ion Ratio Lower Upper

42 100

72 50.3 49.8 74.6

71 48.9 47.4 71.2



#30

Chloroform

Concen: 59.495 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. 0.006 min

Lab File: VN078395.D

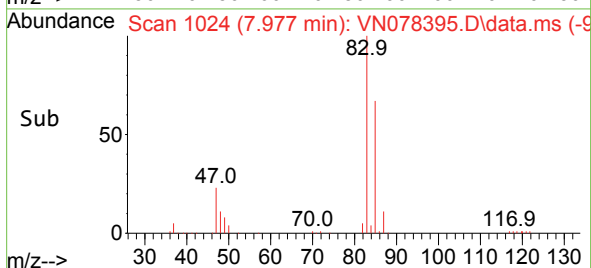
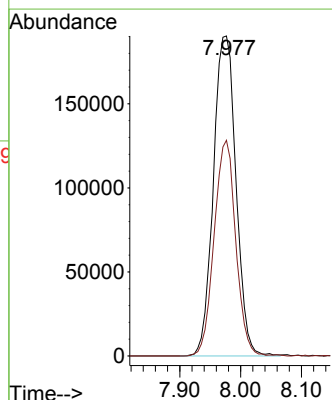
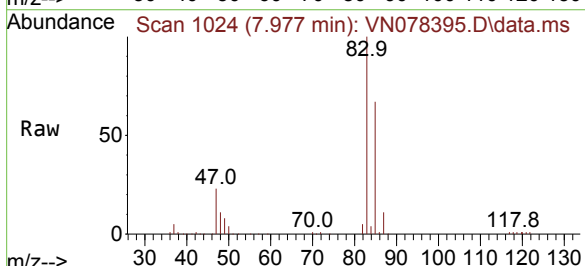
Acq: 24 Jun 2023 15:25

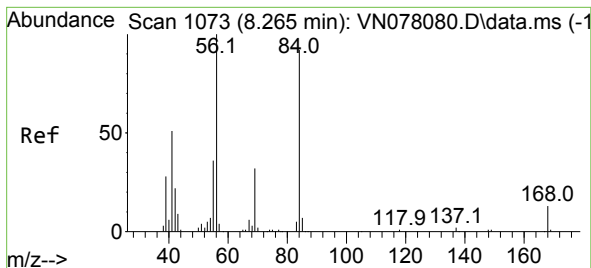
Tgt Ion: 83 Resp: 491380

Ion Ratio Lower Upper

83 100

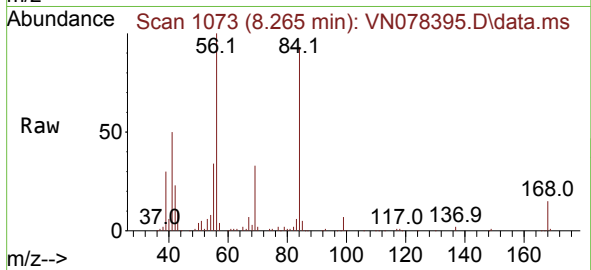
85 67.4 55.4 83.0



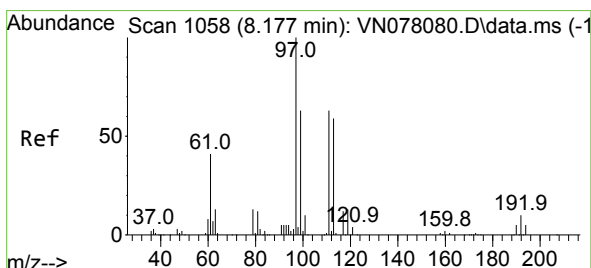
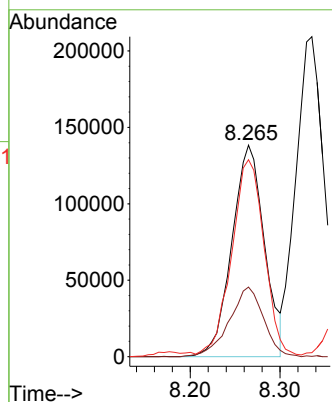
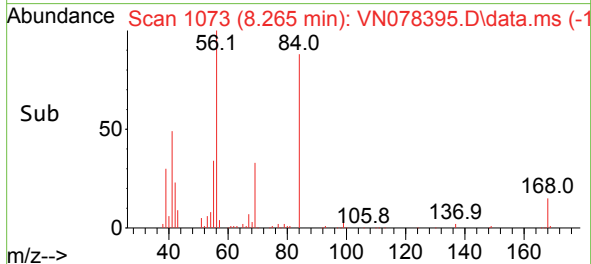


#31  
Cyclohexane  
Concen: 54.900 ug/l  
RT: 8.265 min Scan# 1073  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

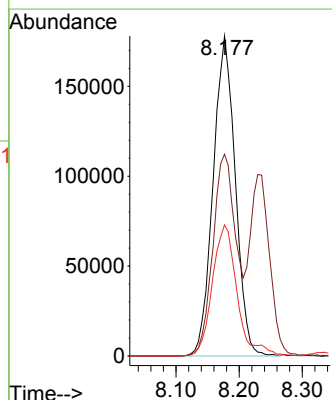
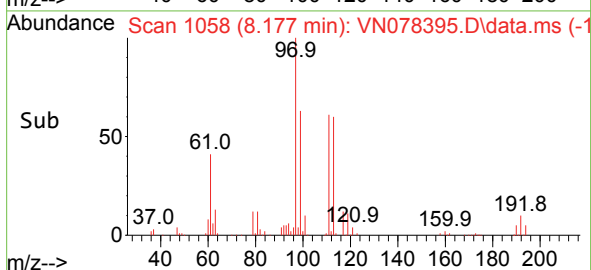
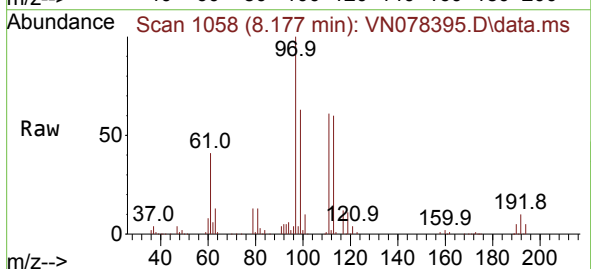


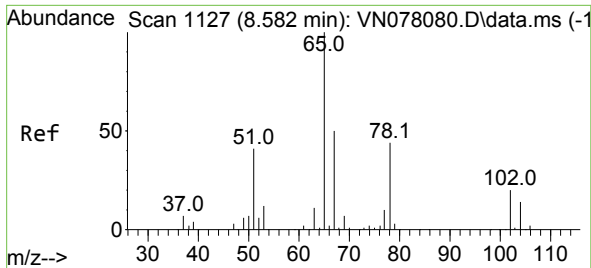
Tgt Ion: 56 Resp: 348179  
Ion Ratio Lower Upper  
56 100  
69 32.9 26.8 40.2  
84 91.5 81.8 122.6



#32  
1,1,1-Trichloroethane  
Concen: 59.836 ug/l  
RT: 8.177 min Scan# 1058  
Delta R.T. -0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Tgt Ion: 97 Resp: 433869  
Ion Ratio Lower Upper  
97 100  
99 66.0 50.3 75.5  
61 45.6 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 60.043 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN078395.D

Acq: 24 Jun 2023 15:25

Instrument :

MSVOA\_N

ClientSampleId :

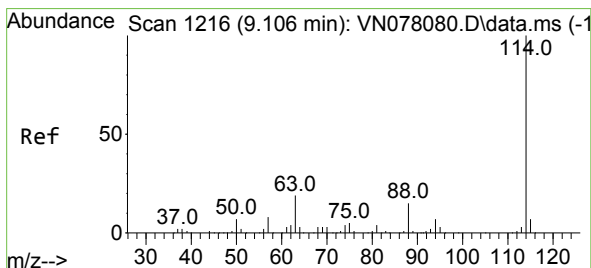
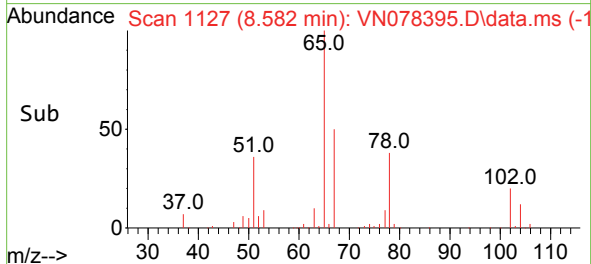
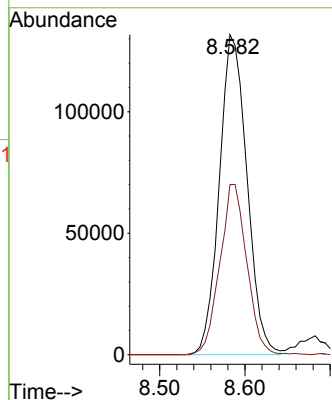
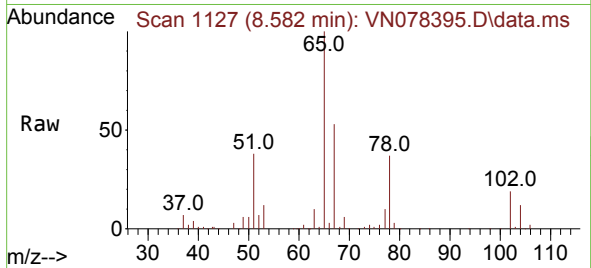
VSTDCCC050EC

Tgt Ion: 65 Resp: 296856

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078395.D

Acq: 24 Jun 2023 15:25

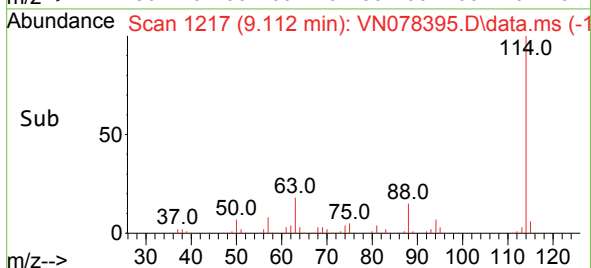
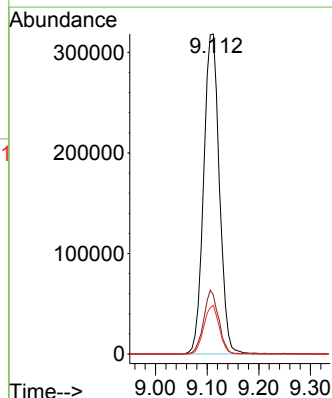
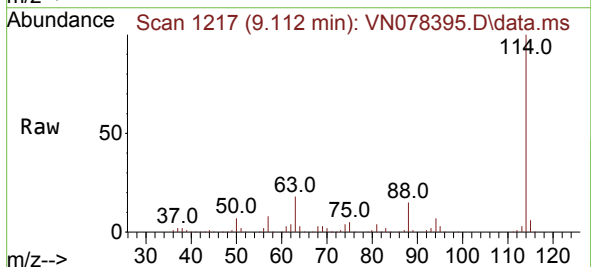
Tgt Ion:114 Resp: 672620

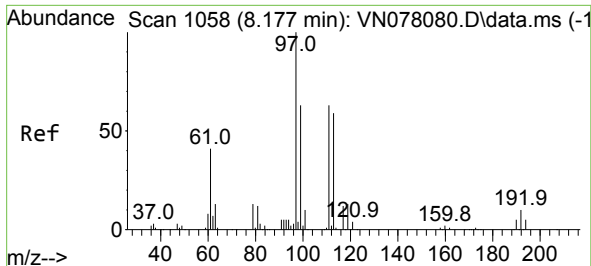
Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.4

88 15.2 0.0 30.6

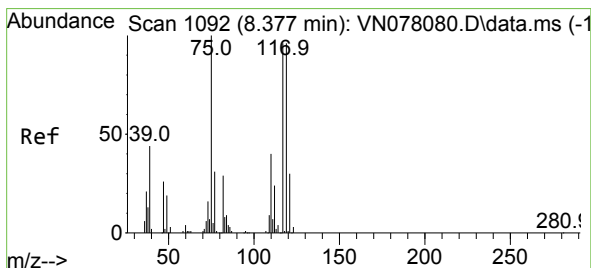
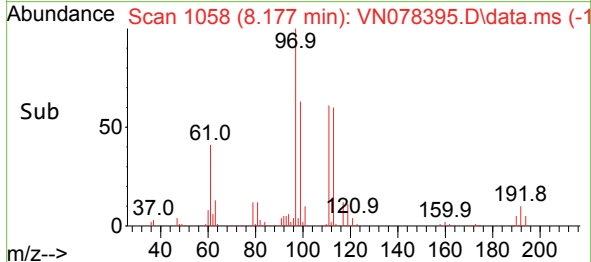
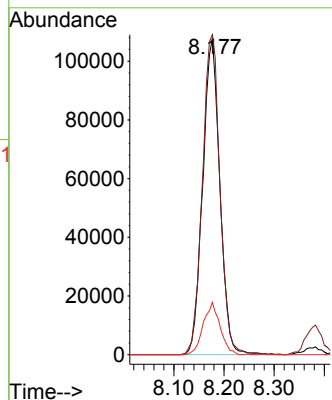
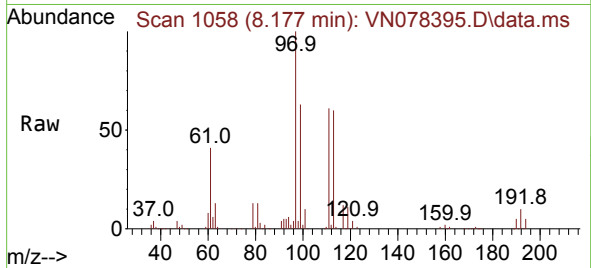




#35  
 Dibromofluoromethane  
 Concen: 60.166 ug/l  
 RT: 8.177 min Scan# 1058  
 Delta R.T. 0.000 min  
 Lab File: VN078395.D  
 Acq: 24 Jun 2023 15:25

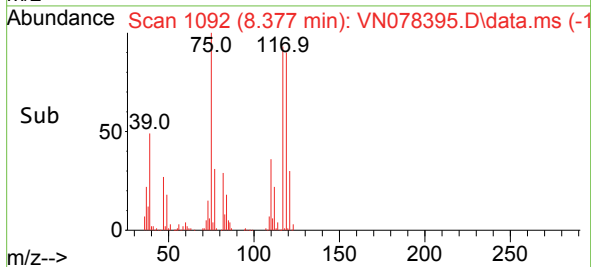
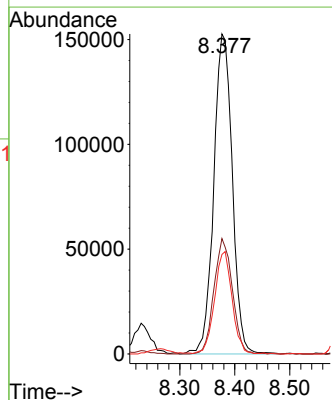
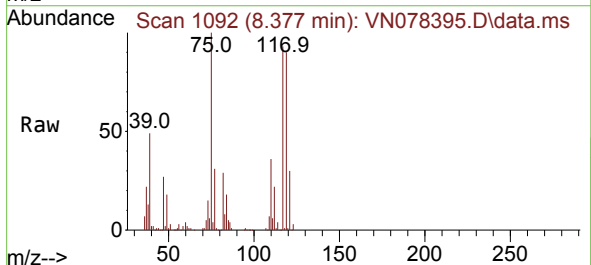
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

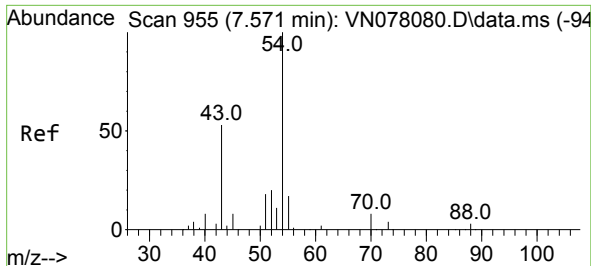
Tgt Ion:113 Resp: 255879  
 Ion Ratio Lower Upper  
 113 100  
 111 103.8 82.6 123.8  
 192 16.2 12.7 19.1



#36  
 1,1-Dichloropropene  
 Concen: 58.725 ug/l  
 RT: 8.377 min Scan# 1092  
 Delta R.T. 0.000 min  
 Lab File: VN078395.D  
 Acq: 24 Jun 2023 15:25

Tgt Ion: 75 Resp: 358236  
 Ion Ratio Lower Upper  
 75 100  
 110 35.7 19.1 57.3  
 77 29.9 25.0 37.4

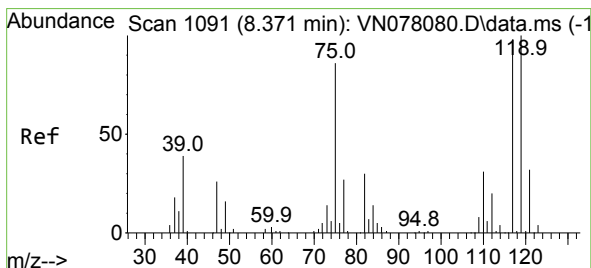
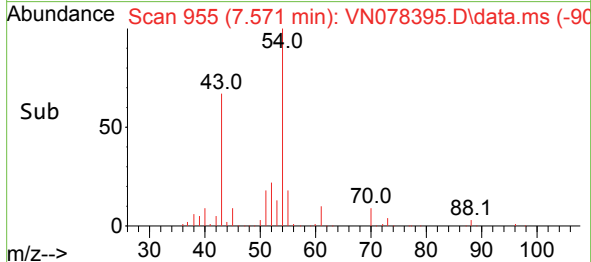
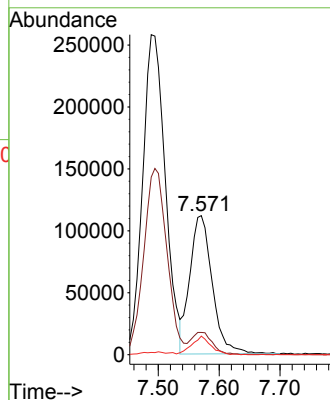
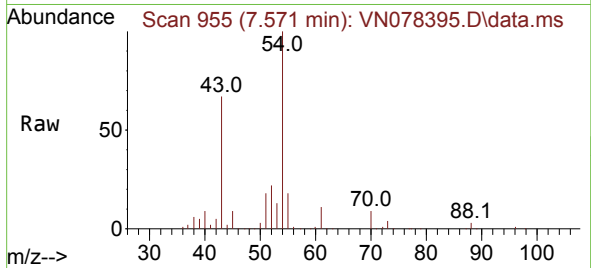




#37  
Ethyl Acetate  
Concen: 60.134 ug/l  
RT: 7.571 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

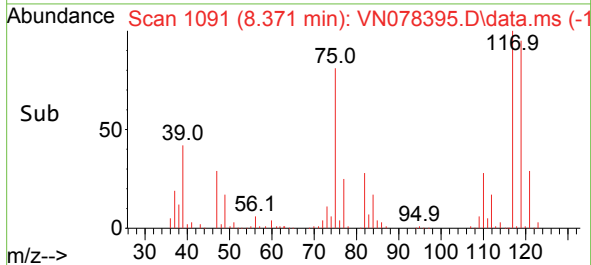
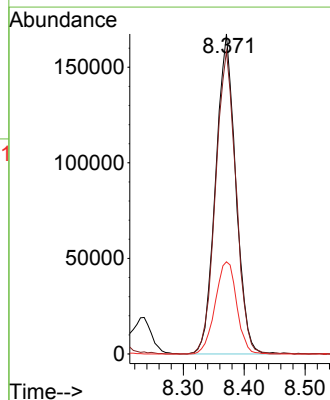
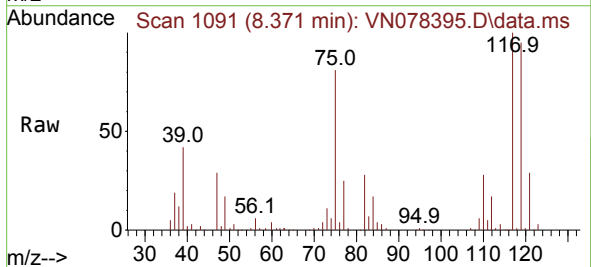
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

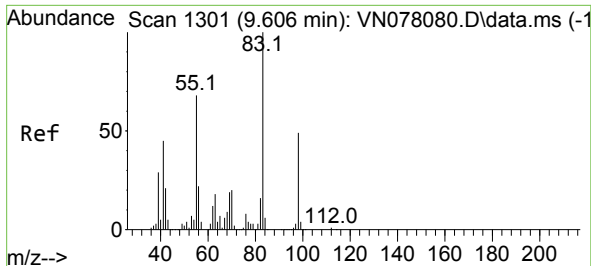
Tgt Ion: 43 Resp: 286568  
Ion Ratio Lower Upper  
43 100  
61 14.4 13.2 19.8  
70 11.4 11.3 16.9



#38  
Carbon Tetrachloride  
Concen: 59.542 ug/l  
RT: 8.371 min Scan# 1091  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Tgt Ion: 117 Resp: 383529  
Ion Ratio Lower Upper  
117 100  
119 94.6 77.3 115.9  
121 28.8 23.3 34.9





#39

Methylcyclohexane

Concen: 50.046 ug/l

RT: 9.606 min Scan# 11301

Delta R.T. 0.000 min

Lab File: VN078395.D

Acq: 24 Jun 2023 15:25

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

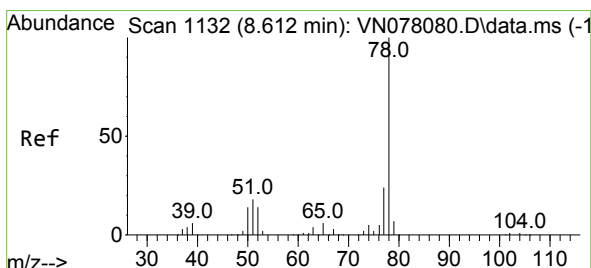
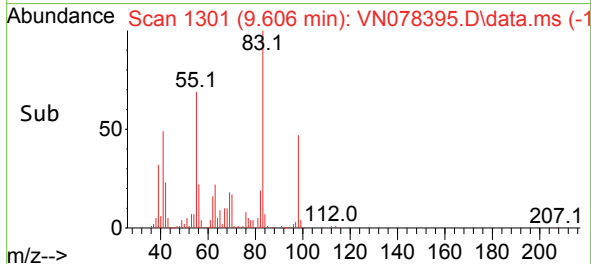
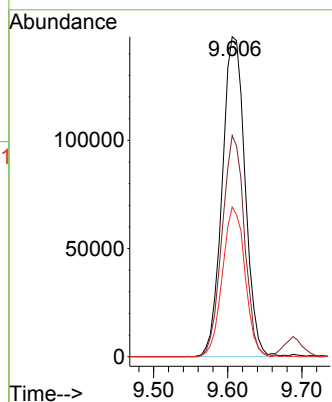
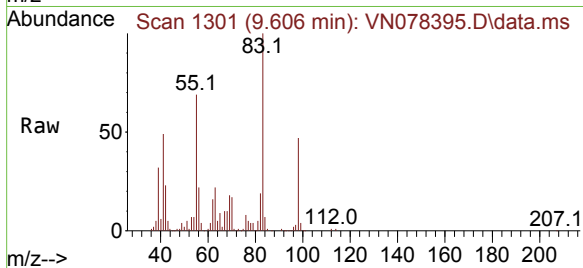
Tgt Ion: 83 Resp: 316384

Ion Ratio Lower Upper

83 100

55 69.1 49.1 73.7

98 46.7 40.6 61.0



#40

Benzene

Concen: 59.392 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN078395.D

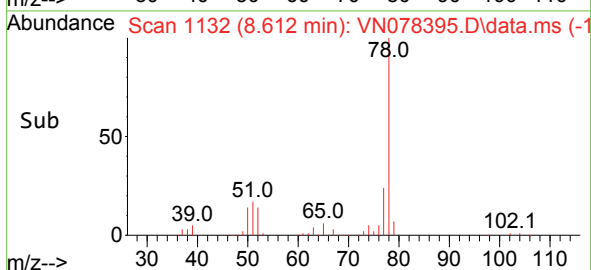
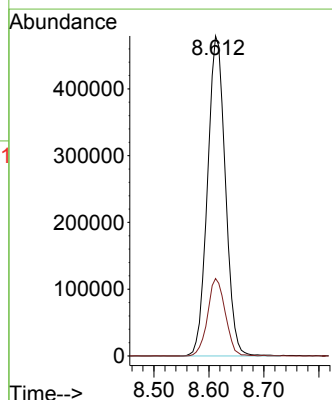
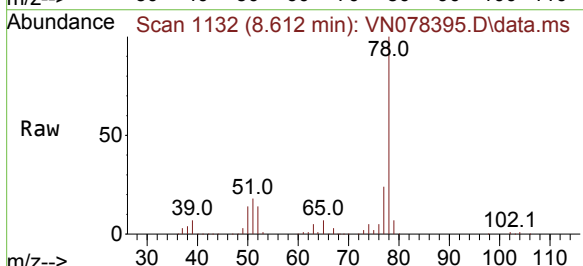
Acq: 24 Jun 2023 15:25

Tgt Ion: 78 Resp: 1081644

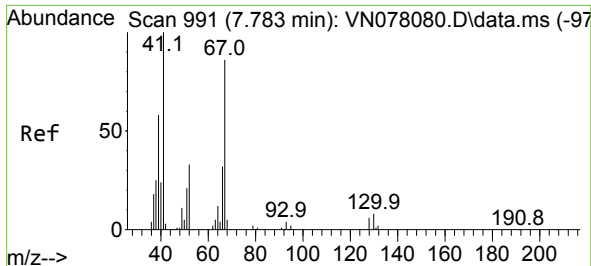
Ion Ratio Lower Upper

78 100

77 24.2 19.0 28.6



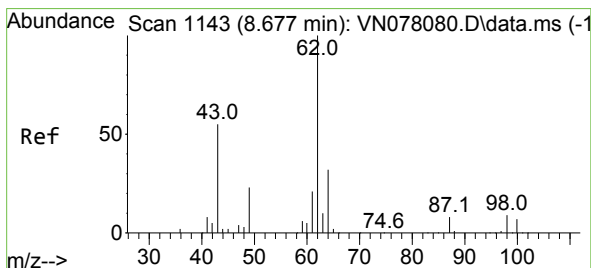
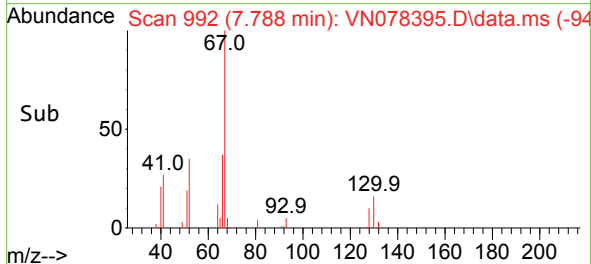
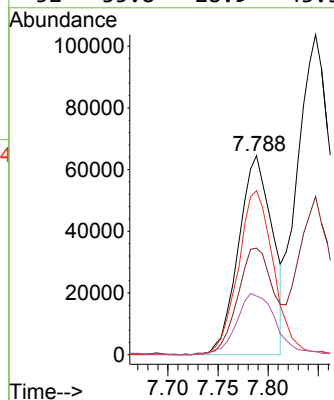
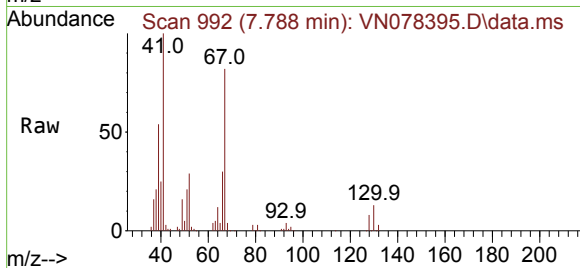




#41  
Methacrylonitrile  
Concen: 58.513 ug/l  
RT: 7.788 min Scan# 911  
Delta R.T. 0.006 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

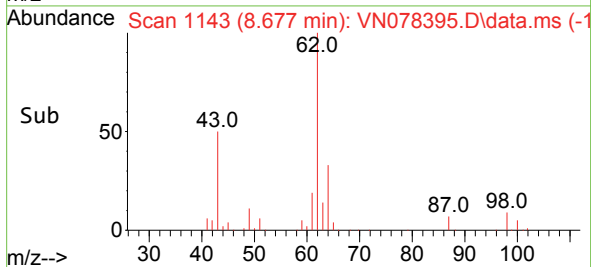
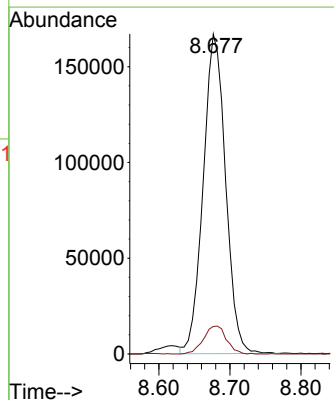
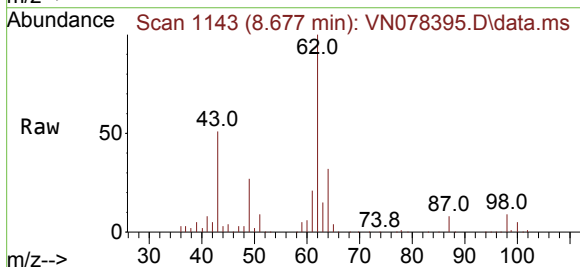
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

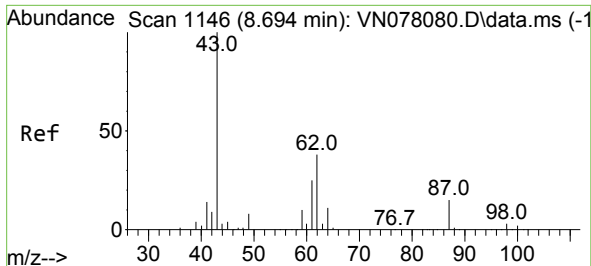
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 151142 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 59.5  | 42.6  | 64.0   |
| 67       | 87.0  | 77.5  | 116.3  |
| 52       | 35.8  | 28.9  | 43.3   |



#42  
1,2-Dichloroethane  
Concen: 58.543 ug/l  
RT: 8.677 min Scan# 1143  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 365562 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 8.9   | 0.0   | 19.8   |

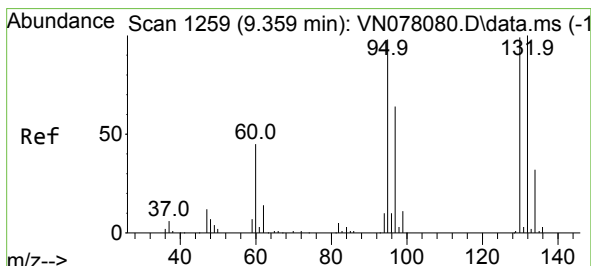
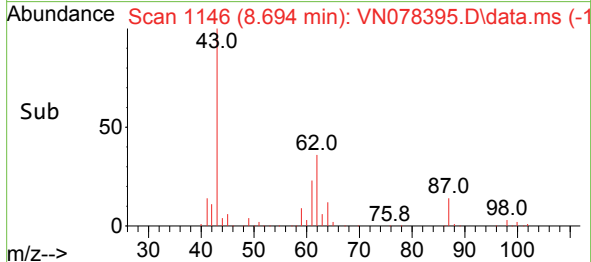
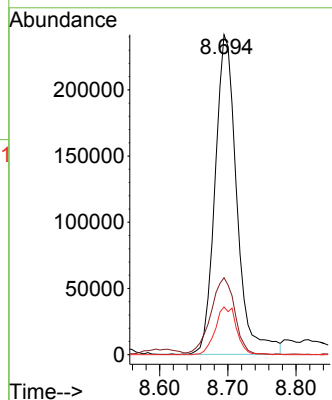
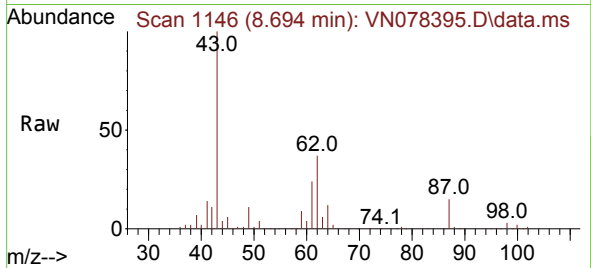




#43  
Isopropyl Acetate  
Concen: 58.911 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

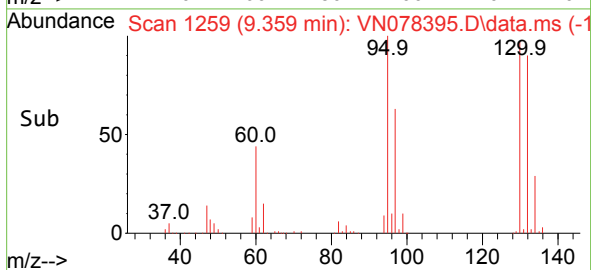
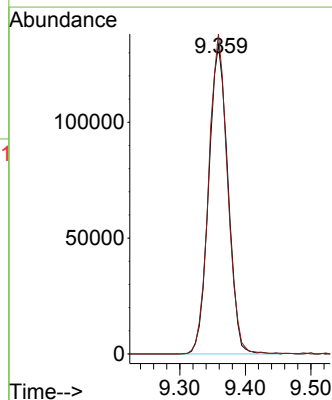
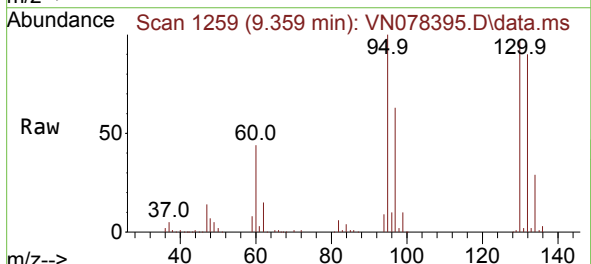
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

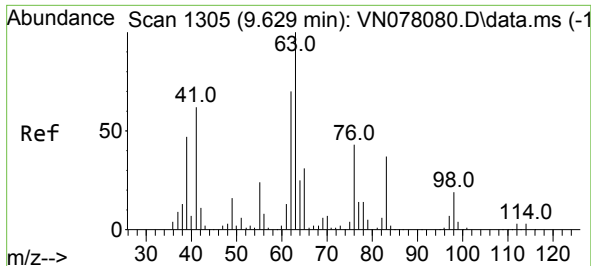
Tgt Ion: 43 Resp: 536903  
Ion Ratio Lower Upper  
43 100  
61 26.2 24.7 37.1  
87 14.7 14.6 21.8



#44  
Trichloroethene  
Concen: 56.632 ug/l  
RT: 9.359 min Scan# 1259  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Tgt Ion:130 Resp: 272375  
Ion Ratio Lower Upper  
130 100  
95 103.5 0.0 204.6





#45

1,2-Dichloropropane

Concen: 59.912 ug/l

RT: 9.630 min Scan# 1305

Delta R.T. 0.000 min

Lab File: VN078395.D

Acq: 24 Jun 2023 15:25

Instrument :

MSVOA\_N

ClientSampleId :

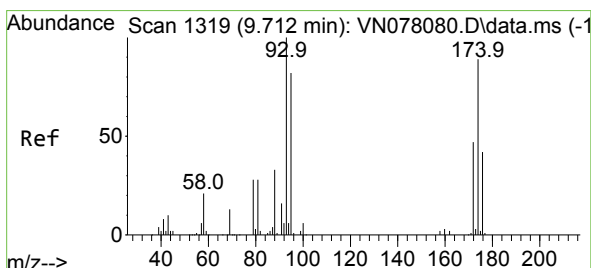
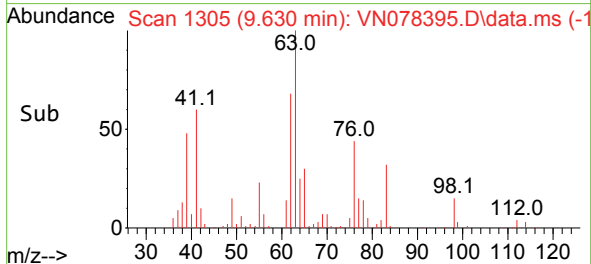
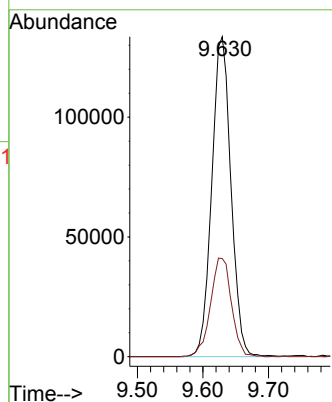
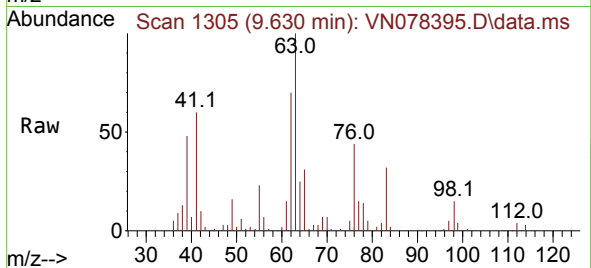
VSTDCCC050EC

Tgt Ion: 63 Resp: 271469

Ion Ratio Lower Upper

63 100

65 30.6 23.9 35.9



#46

Dibromomethane

Concen: 59.011 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN078395.D

Acq: 24 Jun 2023 15:25

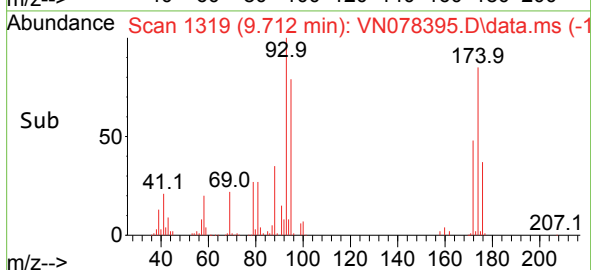
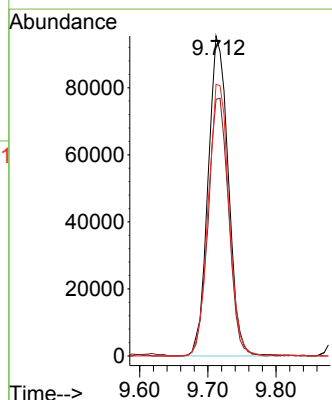
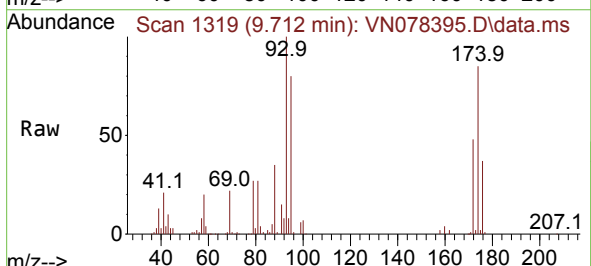
Tgt Ion: 93 Resp: 196949

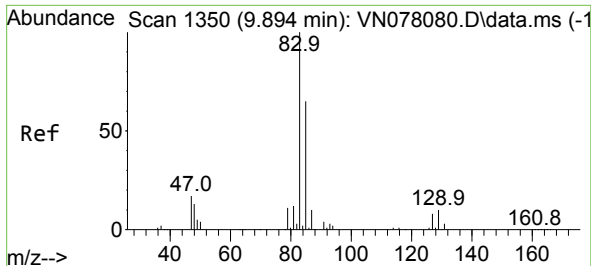
Ion Ratio Lower Upper

93 100

95 81.7 63.8 95.8

174 86.7 65.6 98.4

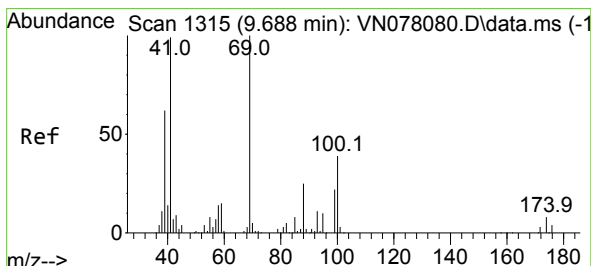
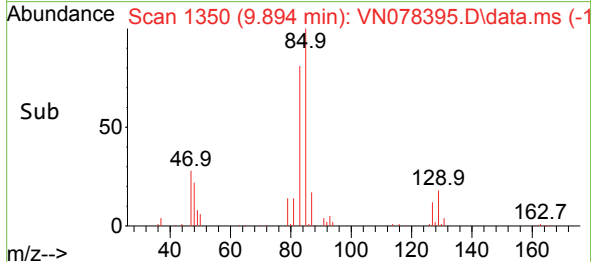
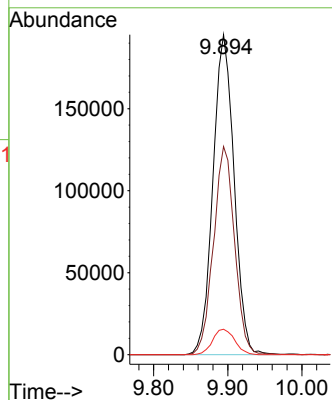
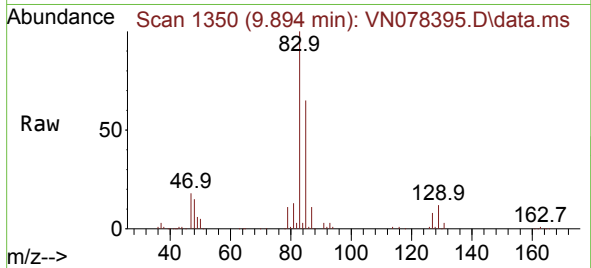




#47  
Bromodichloromethane  
Concen: 62.206 ug/l  
RT: 9.894 min Scan# 1350  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

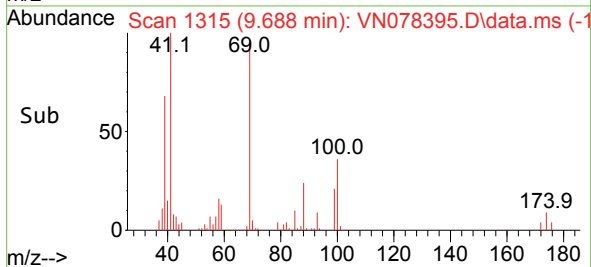
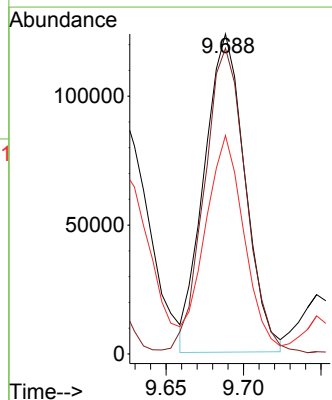
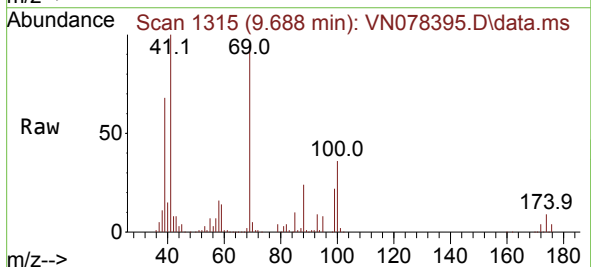
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

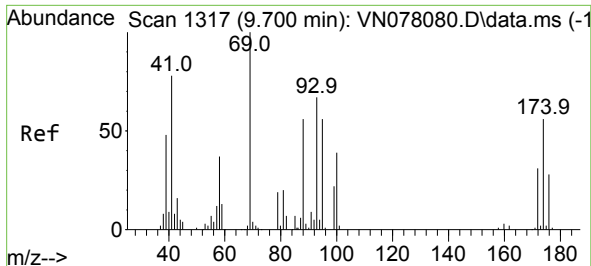
Tgt Ion: 83 Resp: 385644  
Ion Ratio Lower Upper  
83 100  
85 65.1 49.6 74.4  
127 8.0 7.0 10.6



#48  
Methyl methacrylate  
Concen: 59.205 ug/l  
RT: 9.688 min Scan# 1315  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Tgt Ion: 41 Resp: 226439  
Ion Ratio Lower Upper  
41 100  
69 97.1 90.4 135.6  
39 65.8 54.6 81.8





#49

1,4-Dioxane

Concen: 1174.402 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VN078395.D

Acq: 24 Jun 2023 15:25

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

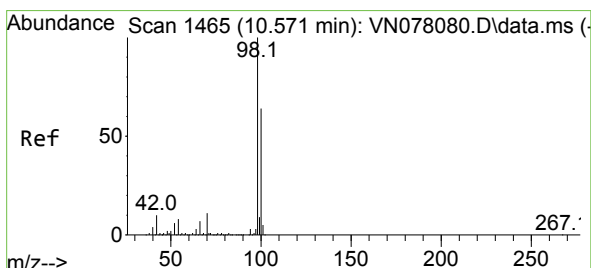
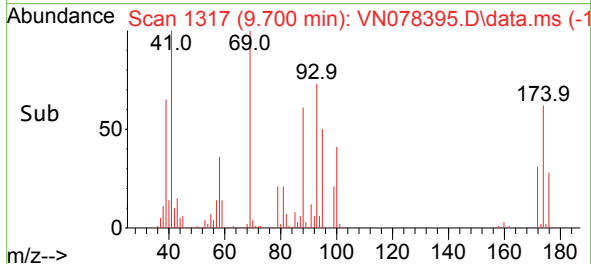
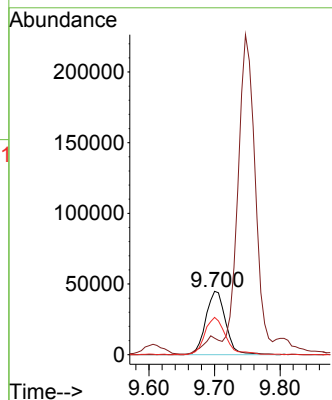
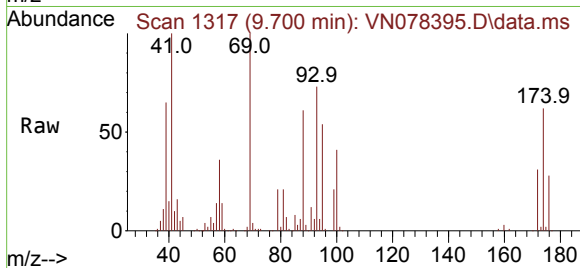
Tgt Ion: 88 Resp: 94406

Ion Ratio Lower Upper

88 100

43 24.7 17.0 25.6

58 62.2 47.0 70.4



#50

Toluene-d8

Concen: 57.077 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078395.D

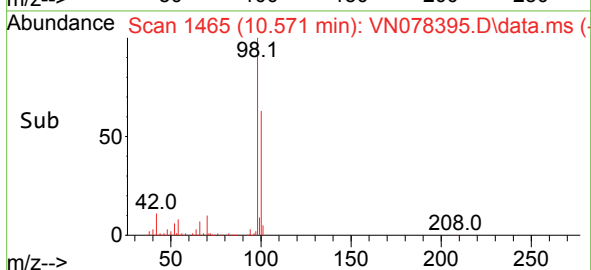
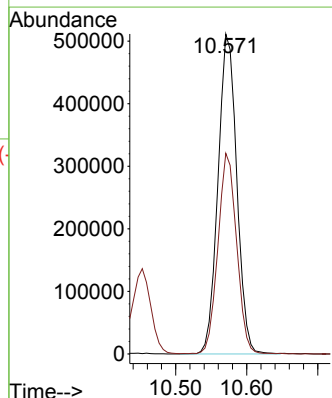
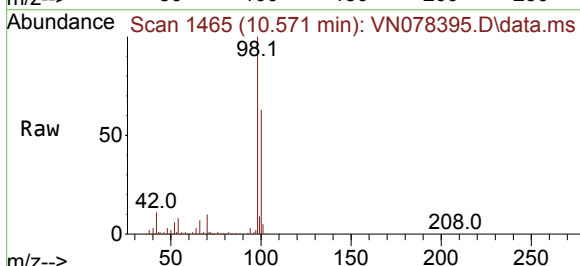
Acq: 24 Jun 2023 15:25

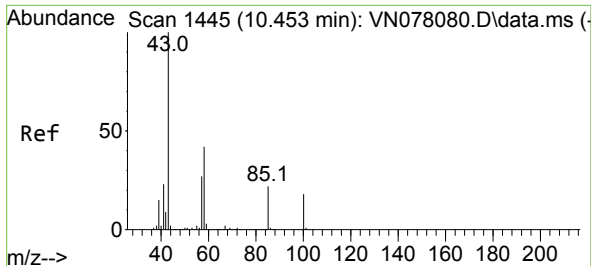
Tgt Ion: 98 Resp: 935799

Ion Ratio Lower Upper

98 100

100 62.5 52.0 78.0

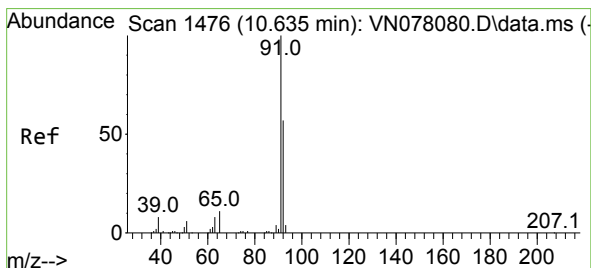
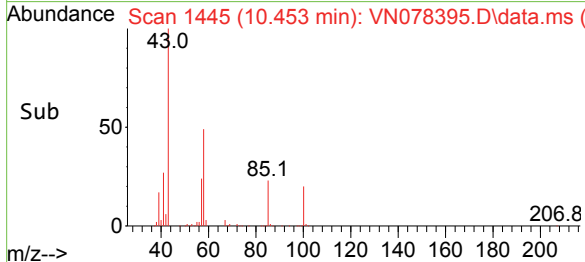
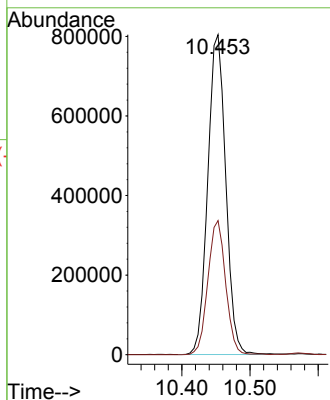
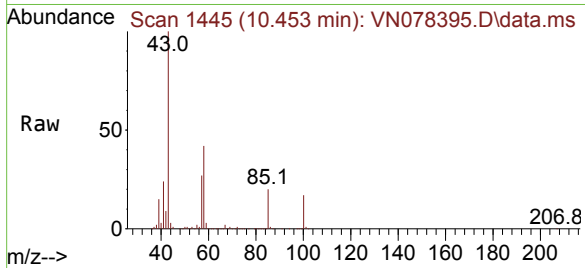




#51  
4-Methyl-2-Pentanone  
Concen: 307.980 ug/l  
RT: 10.453 min Scan# 1445  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

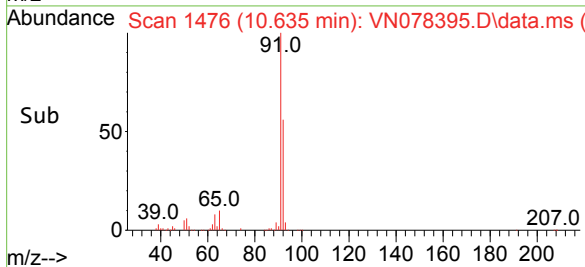
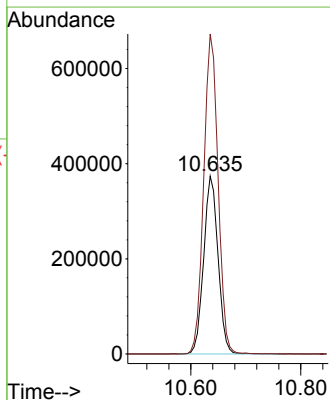
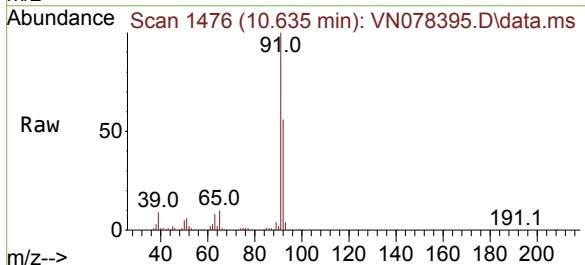
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

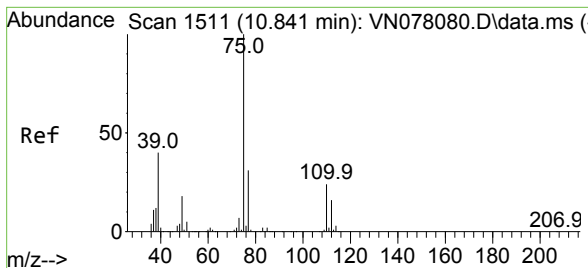
Tgt Ion: 43 Resp: 1478077  
Ion Ratio Lower Upper  
43 100  
58 41.4 36.6 54.8



#52  
Toluene  
Concen: 58.983 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Tgt Ion: 92 Resp: 678219  
Ion Ratio Lower Upper  
92 100  
91 179.6 137.4 206.0

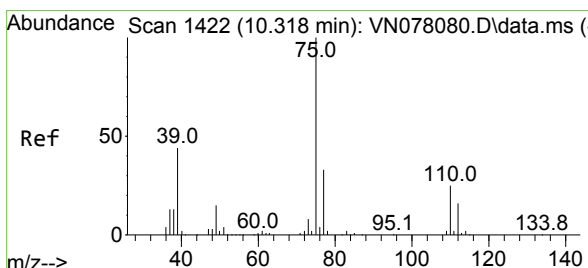
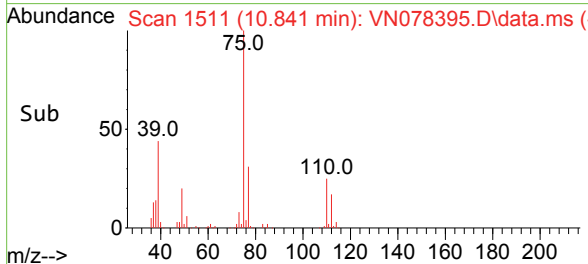
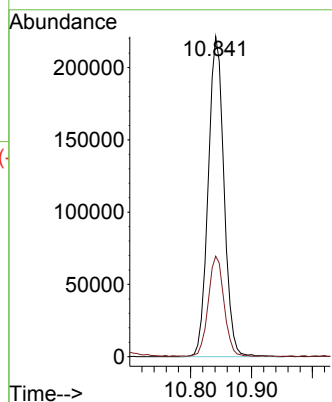
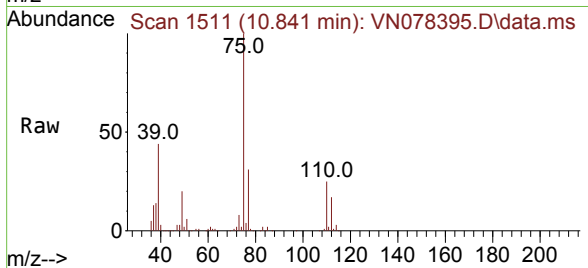




#53  
 t-1,3-Dichloropropene  
 Concen: 61.630 ug/l  
 RT: 10.841 min Scan# 1511  
 Delta R.T. 0.000 min  
 Lab File: VN078395.D  
 Acq: 24 Jun 2023 15:25

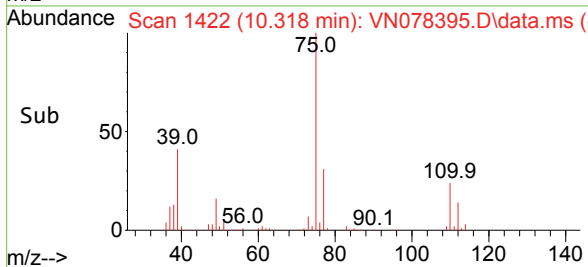
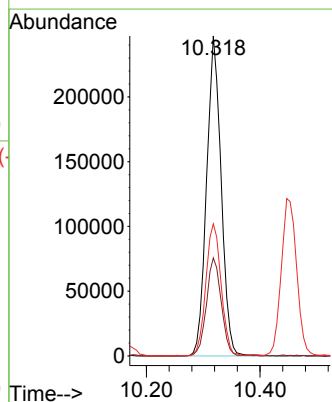
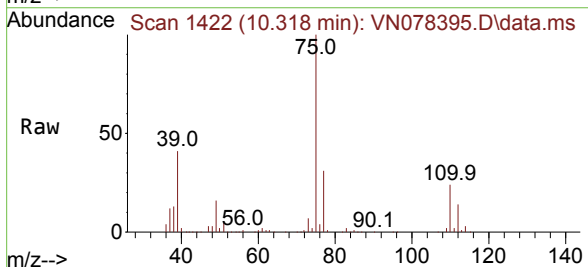
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

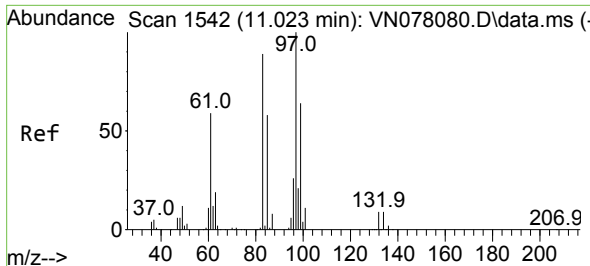
Tgt Ion: 75 Resp: 397908  
 Ion Ratio Lower Upper  
 75 100  
 77 31.3 25.4 38.0



#54  
 cis-1,3-Dichloropropene  
 Concen: 61.380 ug/l  
 RT: 10.318 min Scan# 1422  
 Delta R.T. 0.000 min  
 Lab File: VN078395.D  
 Acq: 24 Jun 2023 15:25

Tgt Ion: 75 Resp: 438069  
 Ion Ratio Lower Upper  
 75 100  
 77 30.7 26.1 39.1  
 39 41.2 31.6 47.4



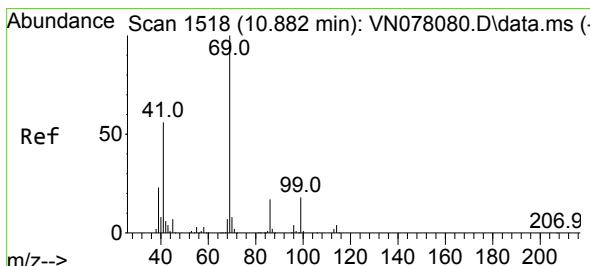
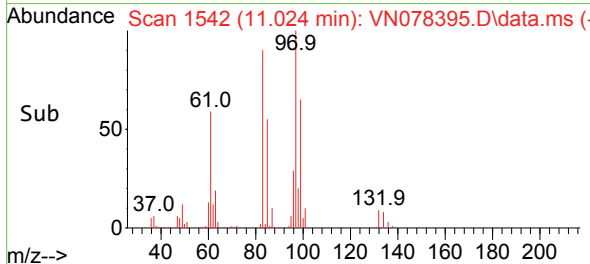
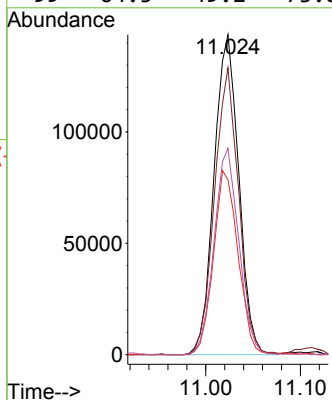
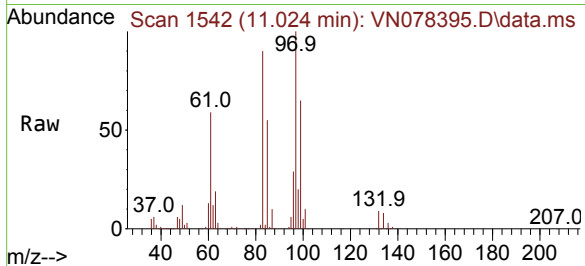


#55  
1,1,2-Trichloroethane  
Concen: 59.904 ug/l  
RT: 11.024 min Scan# 1542  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 97 Resp: 260569

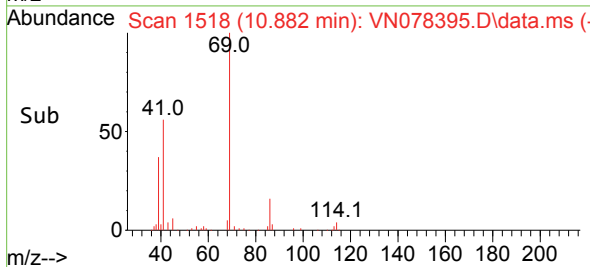
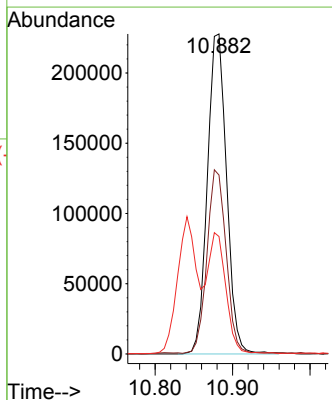
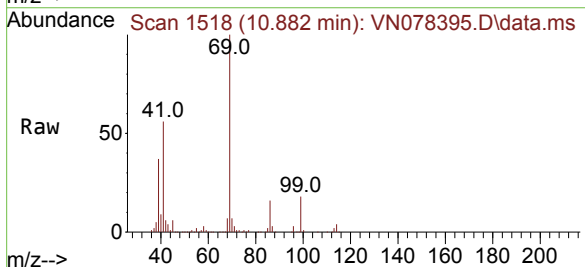
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 89.7  | 65.1  | 97.7  |
| 85  | 54.6  | 43.4  | 65.2  |
| 99  | 64.5  | 49.2  | 73.8  |



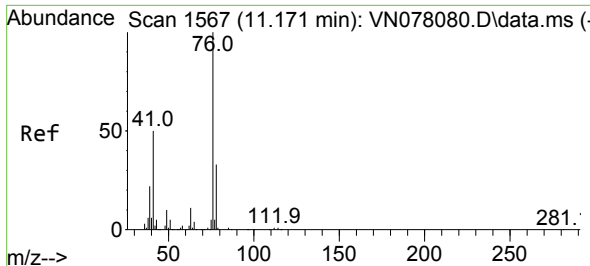
#56  
Ethyl methacrylate  
Concen: 61.962 ug/l  
RT: 10.882 min Scan# 1518  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Tgt Ion: 69 Resp: 392444

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 57.1  | 39.6  | 59.4  |
| 39  | 36.9  | 28.6  | 43.0  |







#57

1,3-Dichloropropane

Concen: 61.148 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VN078395.D

Acq: 24 Jun 2023 15:25

Instrument :

MSVOA\_N

ClientSampleId :

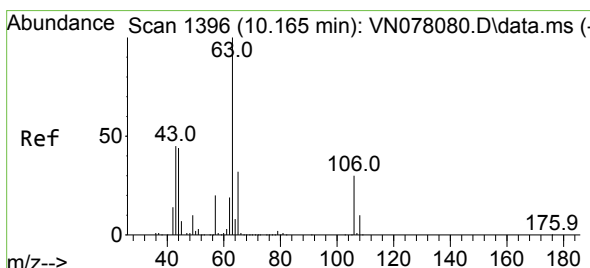
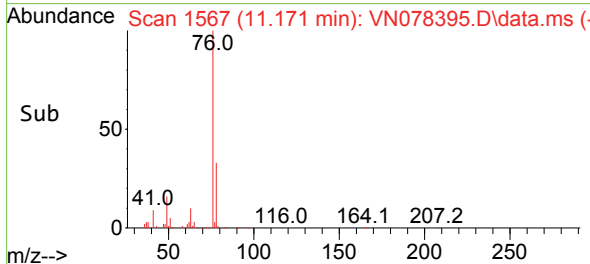
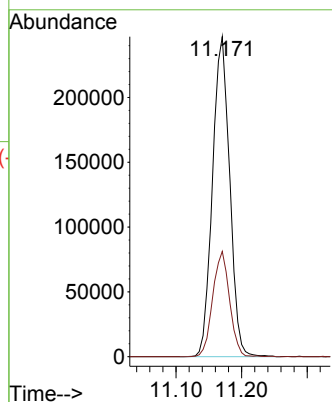
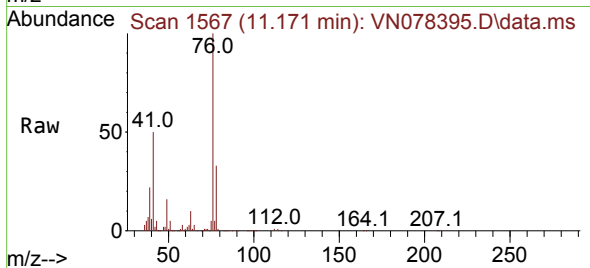
VSTDCCC050EC

Tgt Ion: 76 Resp: 448965

Ion Ratio Lower Upper

76 100

78 32.3 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 290.650 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. 0.000 min

Lab File: VN078395.D

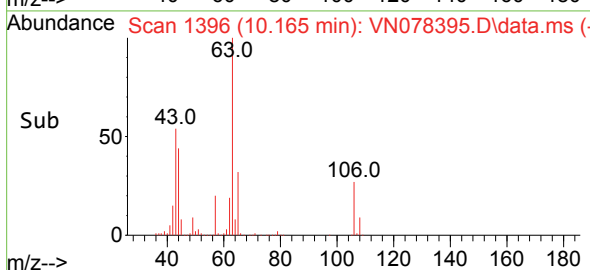
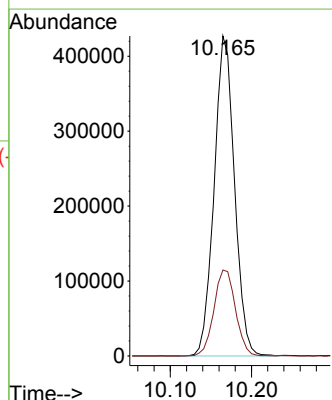
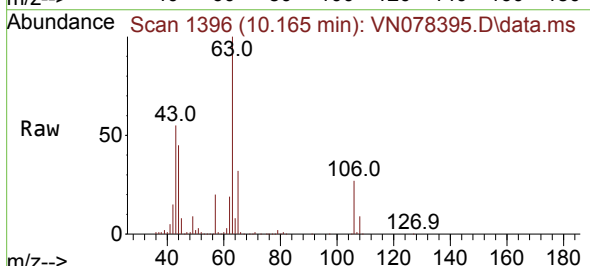
Acq: 24 Jun 2023 15:25

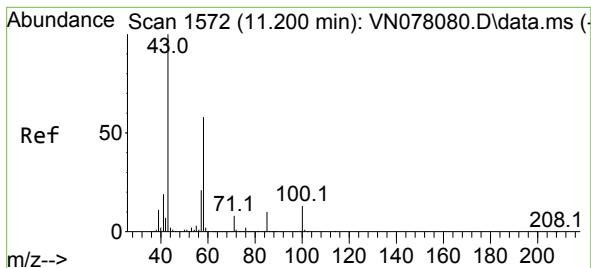
Tgt Ion: 63 Resp: 743648

Ion Ratio Lower Upper

63 100

106 28.5 26.2 39.4

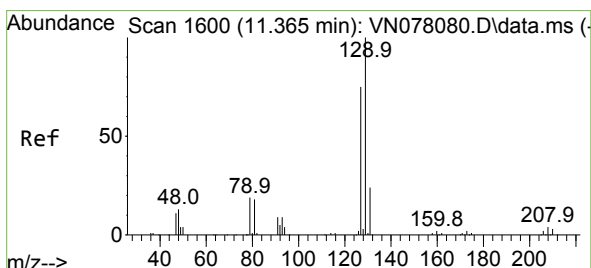
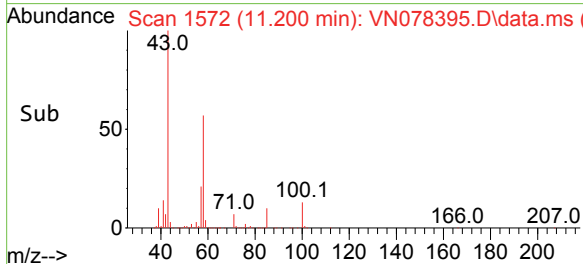
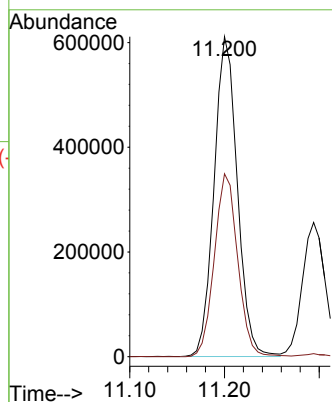
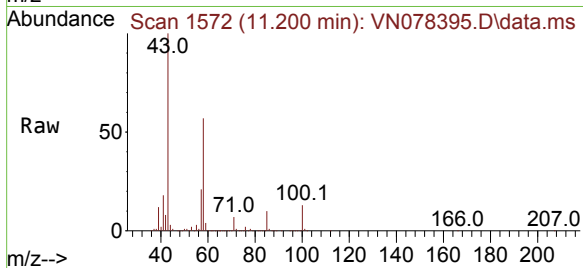




#59  
2-Hexanone  
Concen: 311.235 ug/l  
RT: 11.200 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

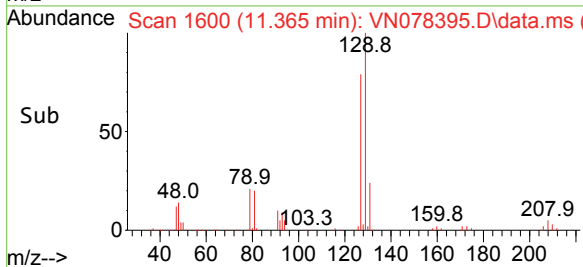
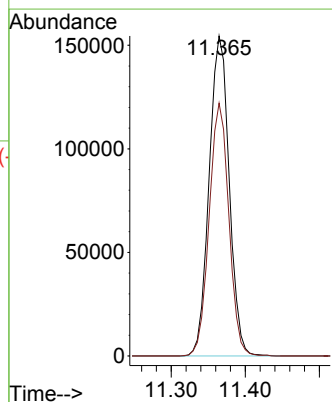
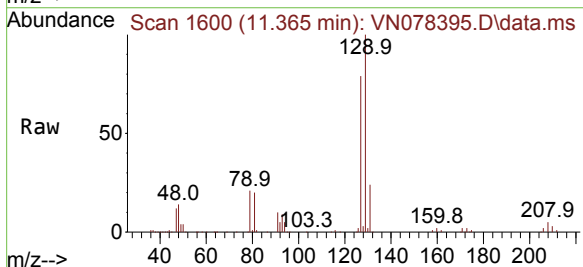
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

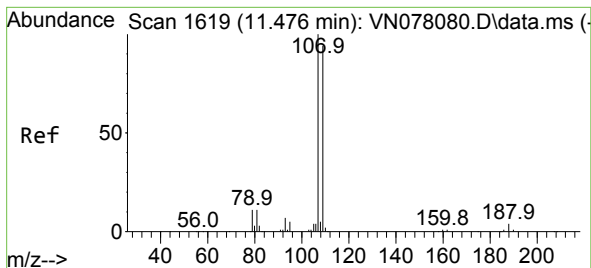
Tgt Ion: 43 Resp: 1040047  
Ion Ratio Lower Upper  
43 100  
58 57.6 31.7 95.1



#60  
Dibromochloromethane  
Concen: 60.985 ug/l  
RT: 11.365 min Scan# 1600  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Tgt Ion: 129 Resp: 290275  
Ion Ratio Lower Upper  
129 100  
127 77.5 38.6 116.0

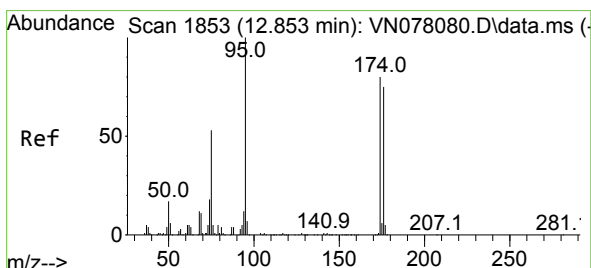
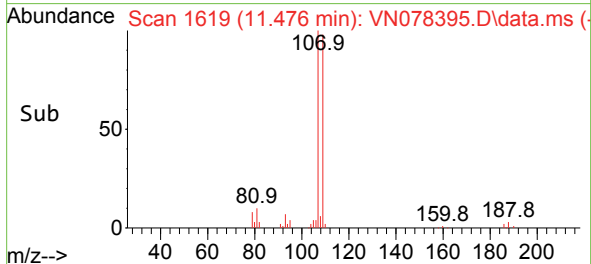
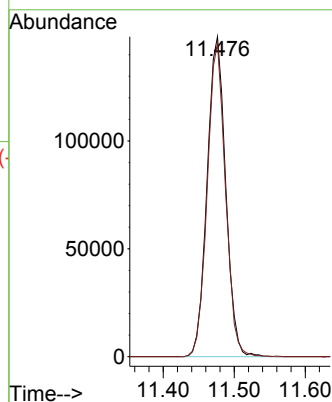
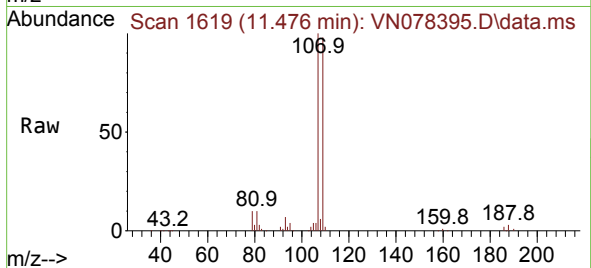




#61  
1,2-Dibromoethane  
Concen: 59.022 ug/l  
RT: 11.476 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

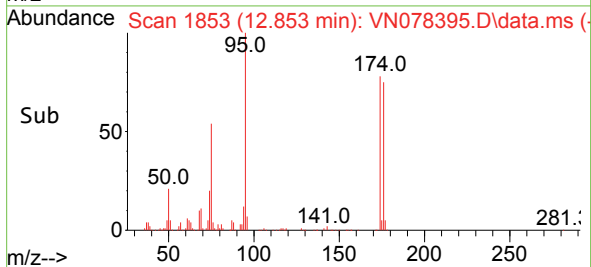
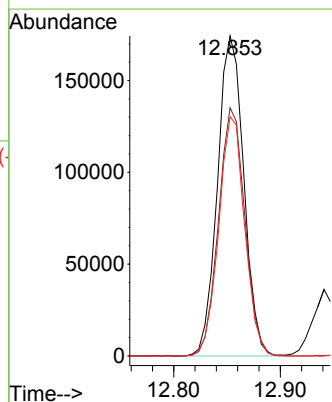
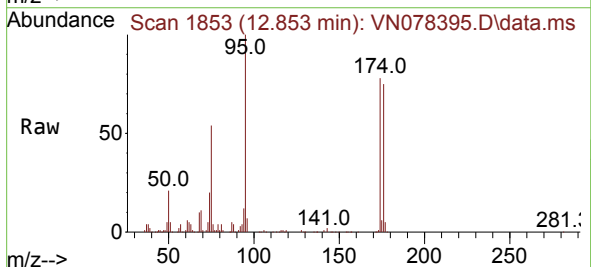
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

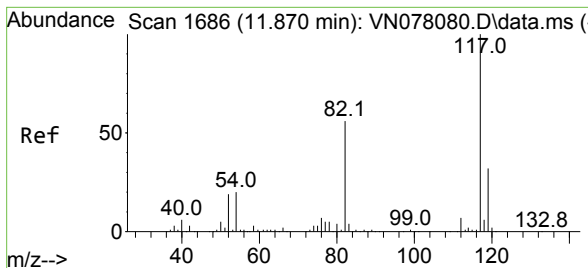
Tgt Ion:107 Resp: 269420  
Ion Ratio Lower Upper  
107 100  
109 95.9 76.6 114.8



#62  
4-Bromofluorobenzene  
Concen: 58.414 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Tgt Ion: 95 Resp: 297730  
Ion Ratio Lower Upper  
95 100  
174 78.1 0.0 143.8  
176 74.0 0.0 135.8

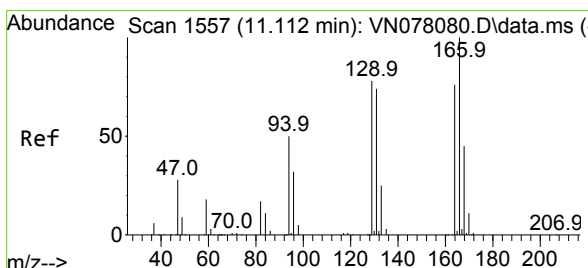
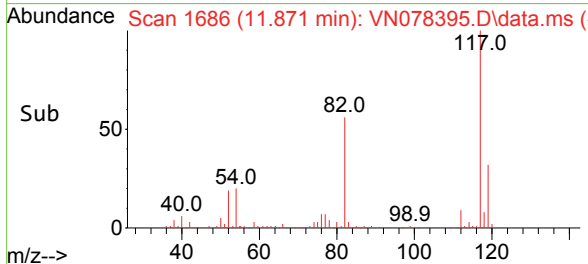
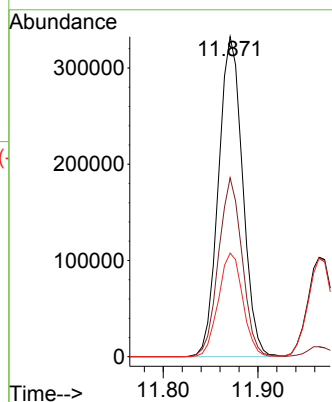
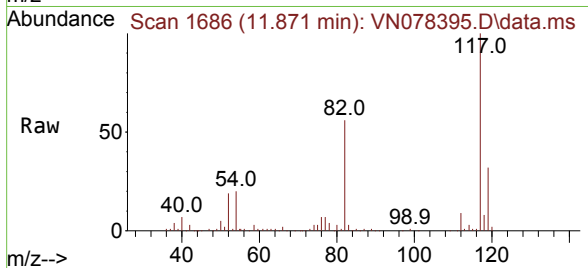




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

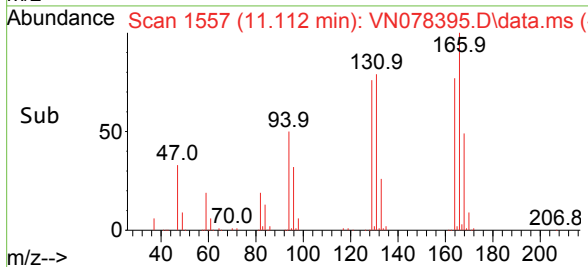
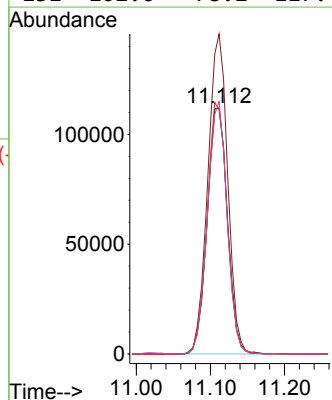
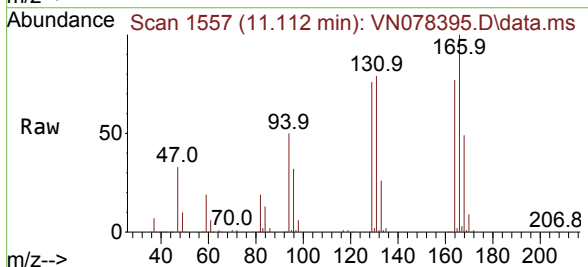
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

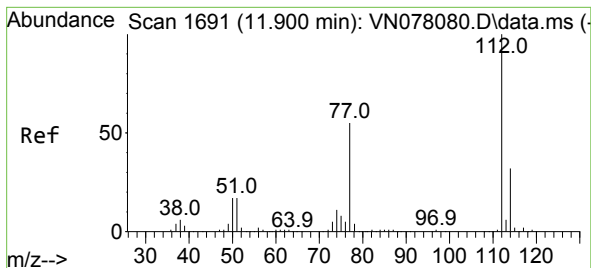
Tgt Ion:117 Resp: 589506  
Ion Ratio Lower Upper  
117 100  
82 55.9 44.0 66.0  
119 32.3 25.6 38.4



#64  
Tetrachloroethene  
Concen: 54.205 ug/l  
RT: 11.112 min Scan# 1557  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Tgt Ion:164 Resp: 213177  
Ion Ratio Lower Upper  
164 100  
166 130.1 101.4 152.0  
129 99.2 82.4 123.6  
131 102.6 78.2 117.4





#65

Chlorobenzene

Concen: 56.453 ug/l

RT: 11.900 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN078395.D

Acq: 24 Jun 2023 15:25

Instrument :

MSVOA\_N

ClientSampleId :

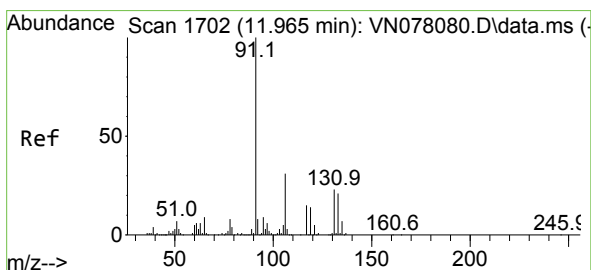
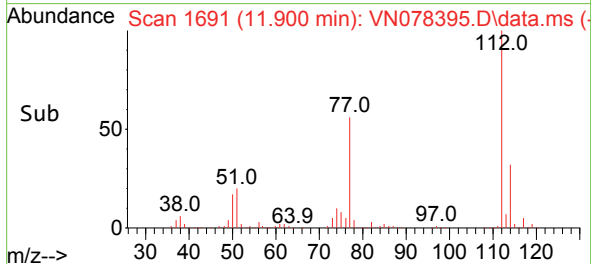
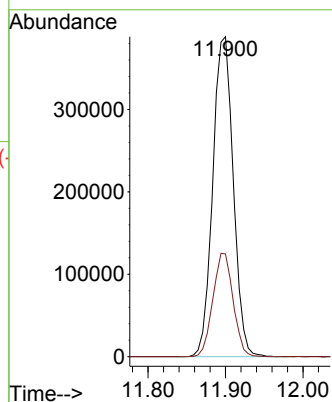
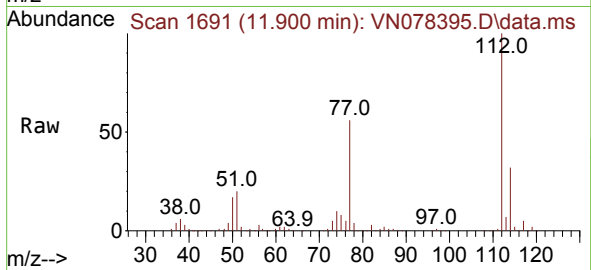
VSTDCCC050EC

Tgt Ion:112 Resp: 712697

Ion Ratio Lower Upper

112 100

114 32.1 25.0 37.4



#66

1,1,1,2-Tetrachloroethane

Concen: 59.384 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VN078395.D

Acq: 24 Jun 2023 15:25

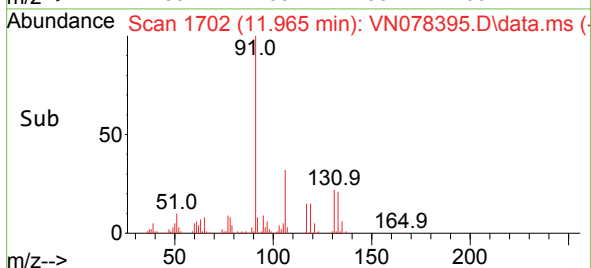
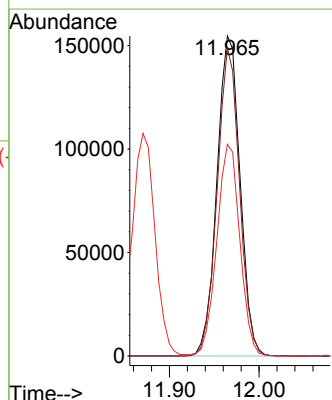
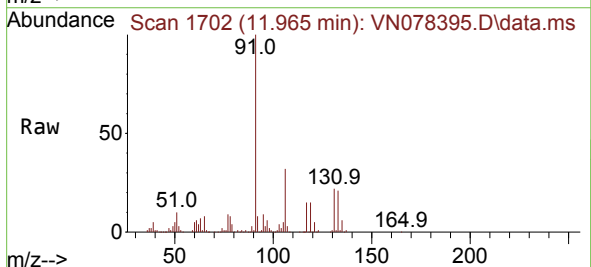
Tgt Ion:131 Resp: 275739

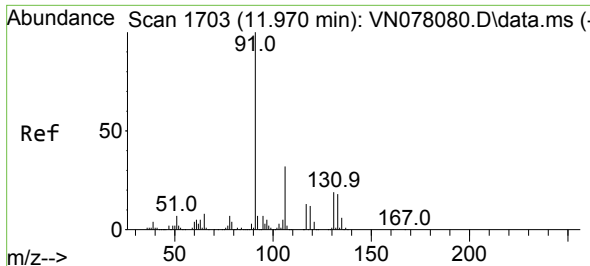
Ion Ratio Lower Upper

131 100

133 93.3 46.4 139.1

119 66.2 34.1 102.2

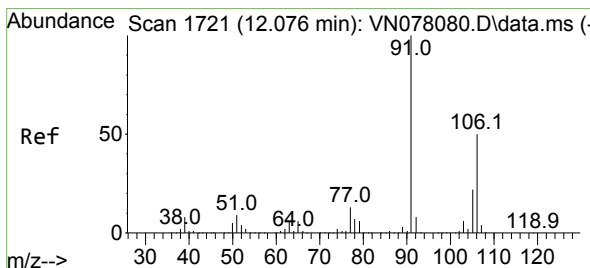
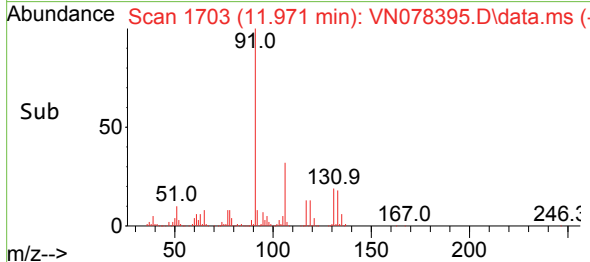
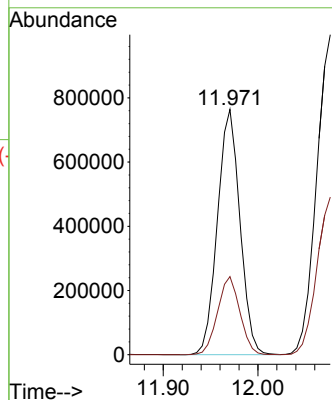
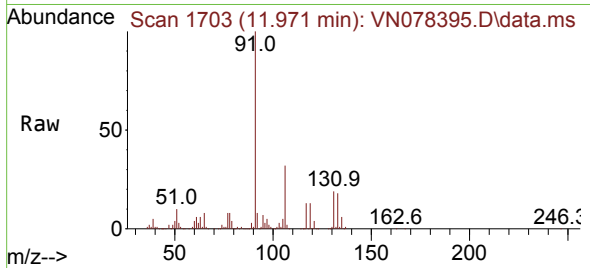




#67  
Ethyl Benzene  
Concen: 57.891 ug/l  
RT: 11.971 min Scan# 1703  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

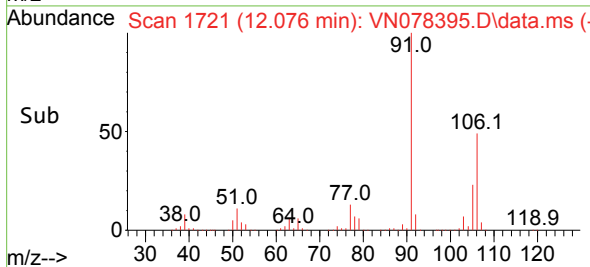
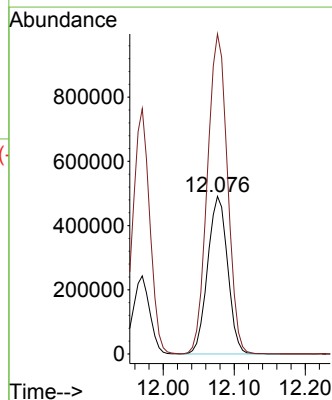
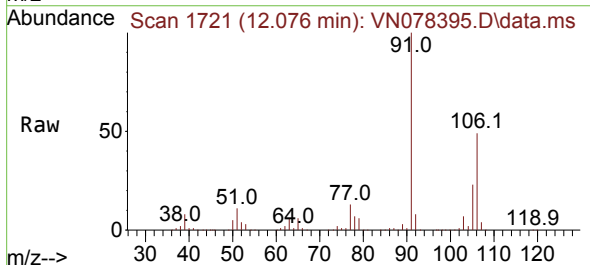
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

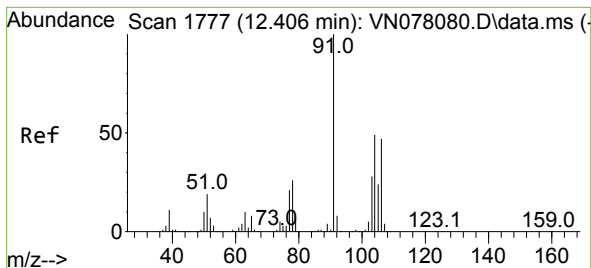
Tgt Ion: 91 Resp: 1261068  
Ion Ratio Lower Upper  
91 100  
106 31.9 25.6 38.4



#68  
m/p-Xylenes  
Concen: 115.545 ug/l  
RT: 12.076 min Scan# 1721  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Tgt Ion: 106 Resp: 959225  
Ion Ratio Lower Upper  
106 100  
91 204.0 159.6 239.4





#69

o-Xylene

Concen: 58.362 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VN078395.D

Acq: 24 Jun 2023 15:25

Instrument :

MSVOA\_N

ClientSampleId :

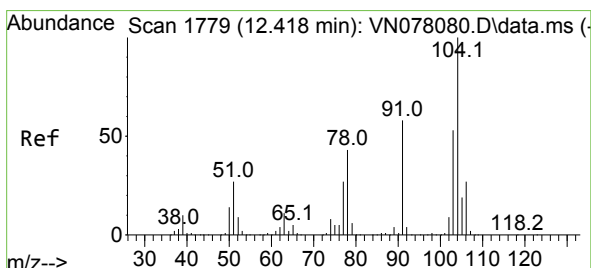
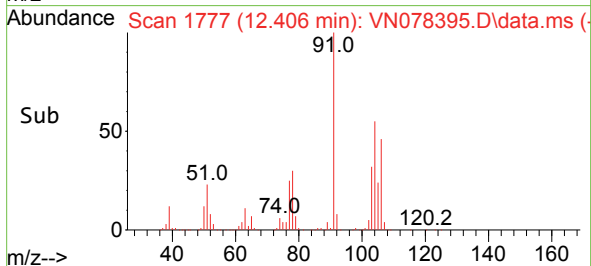
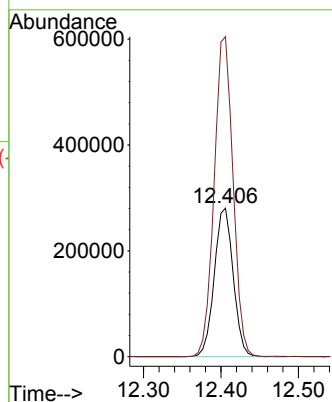
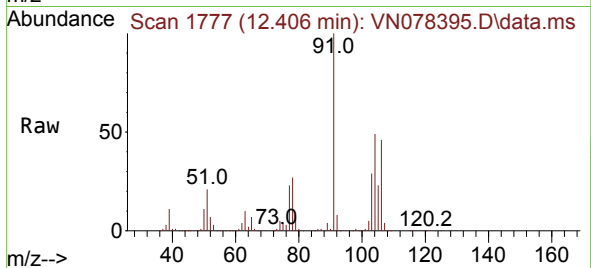
VSTDCCC050EC

Tgt Ion:106 Resp: 475795

Ion Ratio Lower Upper

106 100

91 215.2 105.2 315.5



#70

Styrene

Concen: 59.809 ug/l

RT: 12.418 min Scan# 1779

Delta R.T. 0.000 min

Lab File: VN078395.D

Acq: 24 Jun 2023 15:25

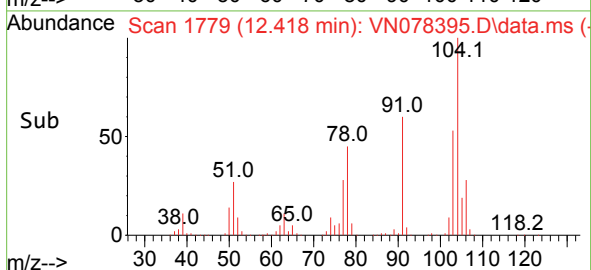
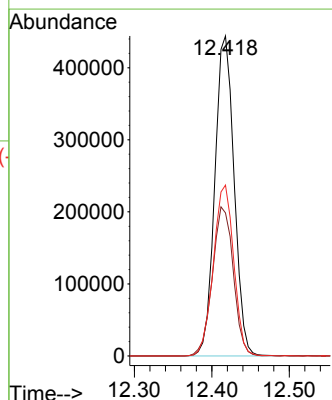
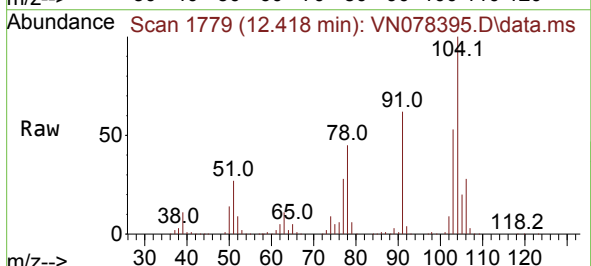
Tgt Ion:104 Resp: 767615

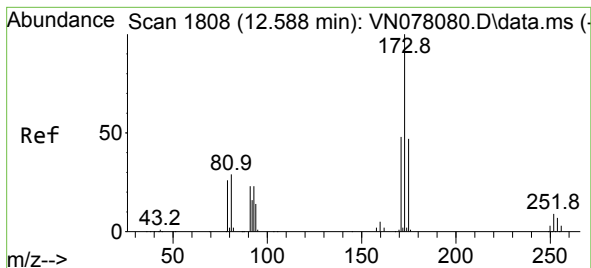
Ion Ratio Lower Upper

104 100

78 50.4 39.5 59.3

103 56.5 43.2 64.8





#71

Bromoform

Concen: 62.706 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. -0.006 min

Lab File: VN078395.D

Acq: 24 Jun 2023 15:25

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

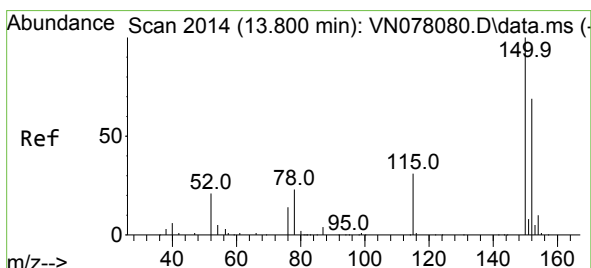
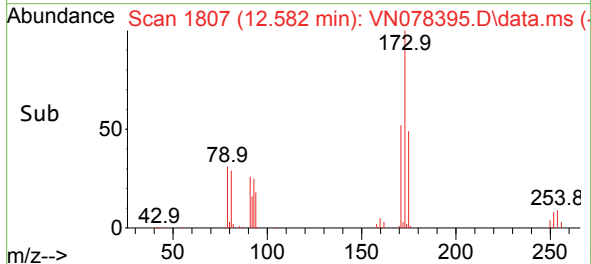
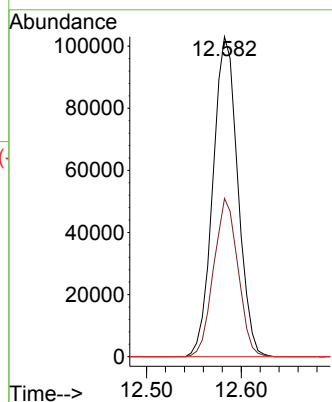
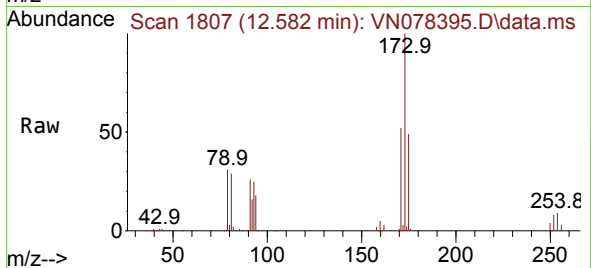
Tgt Ion:173 Resp: 187901

Ion Ratio Lower Upper

173 100

175 48.4 24.3 73.0

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.000 min

Lab File: VN078395.D

Acq: 24 Jun 2023 15:25

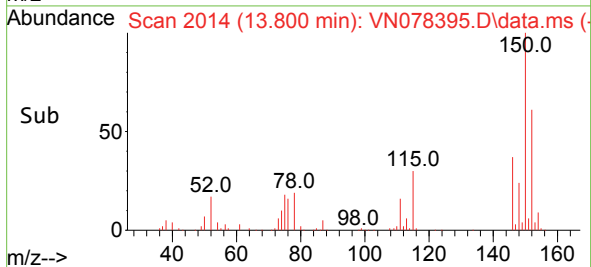
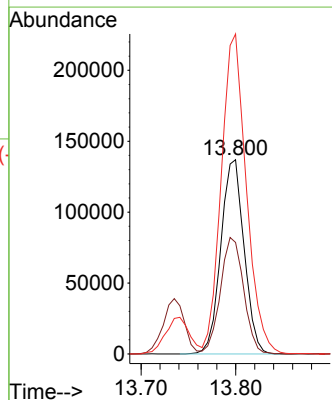
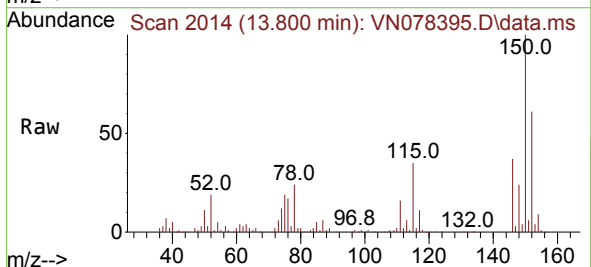
Tgt Ion:152 Resp: 233703

Ion Ratio Lower Upper

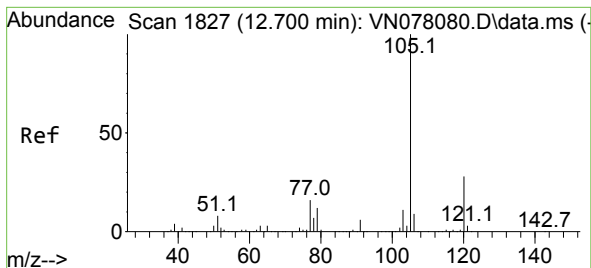
152 100

115 59.9 32.3 96.8

150 177.6 0.0 355.8







#73

Isopropylbenzene

Concen: 51.901 ug/l

RT: 12.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN078395.D

Acq: 24 Jun 2023 15:25

Instrument :

MSVOA\_N

ClientSampleId :

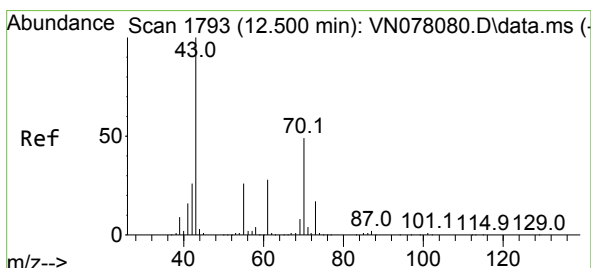
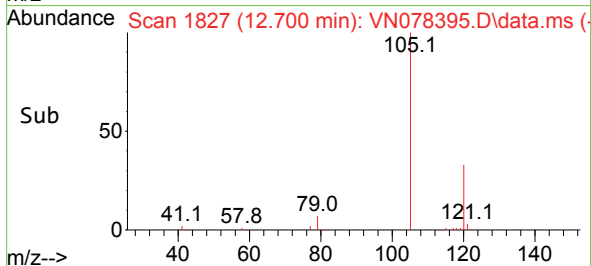
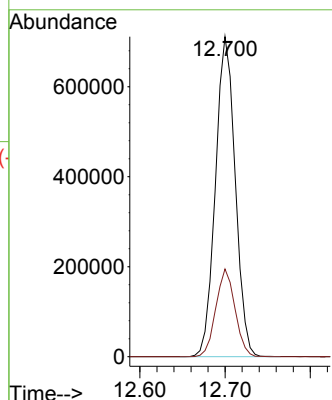
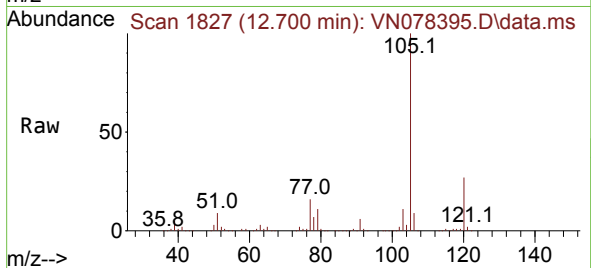
VSTDCCC050EC

Tgt Ion:105 Resp: 1146996

Ion Ratio Lower Upper

105 100

120 26.5 13.1 39.1



#74

N-ethyl acetate

Concen: 55.531 ug/l

RT: 12.500 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VN078395.D

Acq: 24 Jun 2023 15:25

Tgt Ion: 43 Resp: 404129

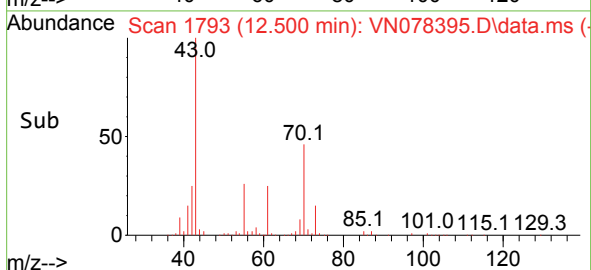
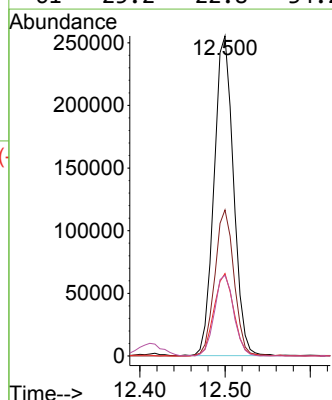
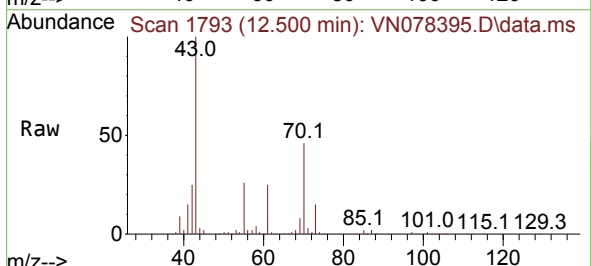
Ion Ratio Lower Upper

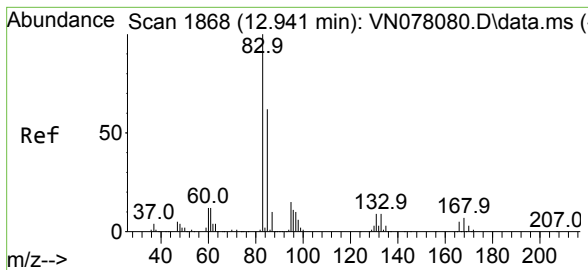
43 100

70 45.4 43.4 65.2

55 26.5 21.4 32.0

61 25.2 22.8 34.2

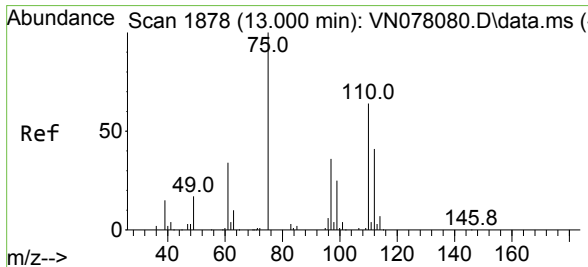
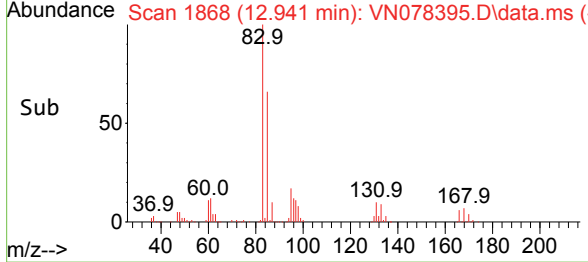
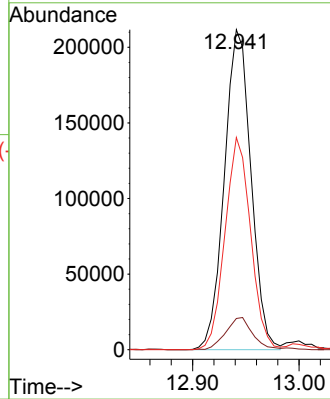
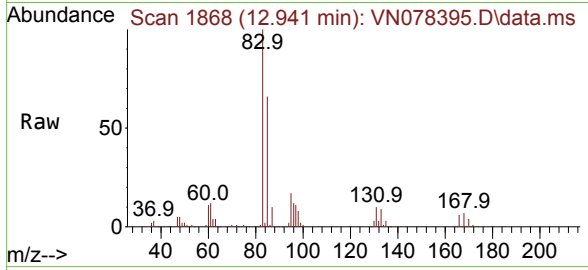




#75  
1,1,2,2-Tetrachloroethane  
Concen: 61.007 ug/l  
RT: 12.941 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

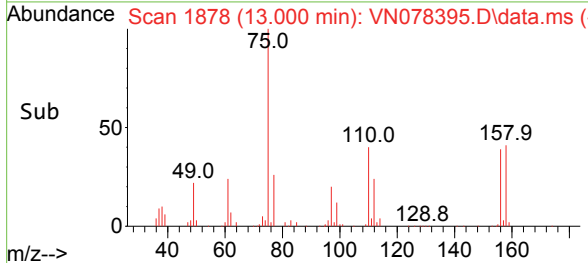
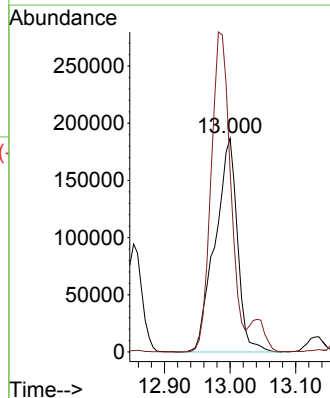
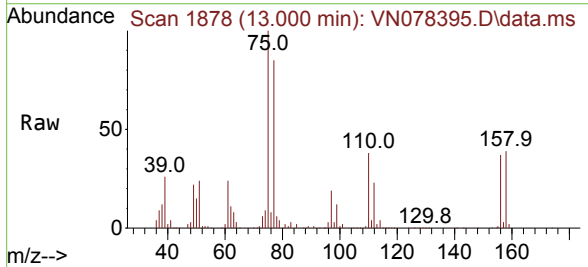
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

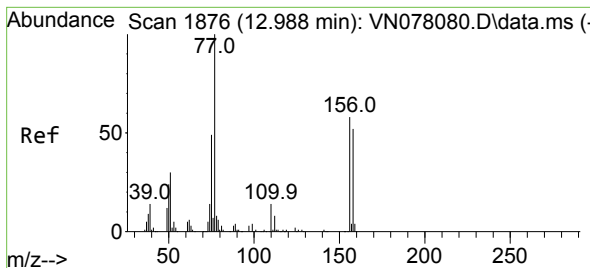
Tgt Ion: 83 Resp: 367545  
Ion Ratio Lower Upper  
83 100  
131 10.4 5.0 15.0  
85 63.9 31.9 95.7



#76  
1,2,3-Trichloropropane  
Concen: 79.695 ug/l  
RT: 13.000 min Scan# 1878  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Tgt Ion: 75 Resp: 440300  
Ion Ratio Lower Upper  
75 100  
77 131.0 84.5 253.5





#77

Bromobenzene

Concen: 53.028 ug/l

RT: 12.988 min Scan# 1876

Delta R.T. 0.000 min

Lab File: VN078395.D

Acq: 24 Jun 2023 15:25

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

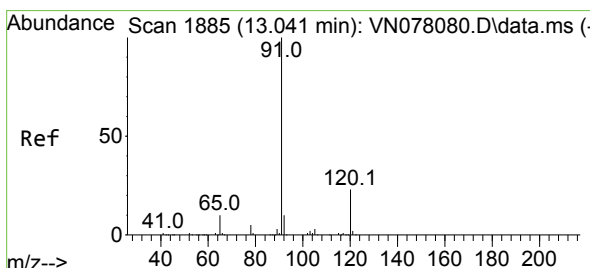
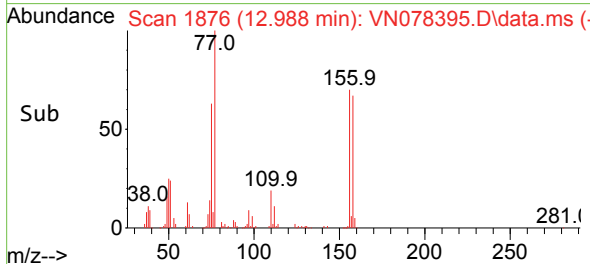
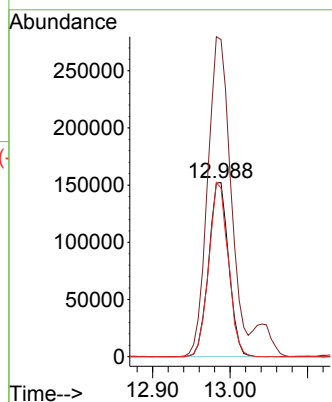
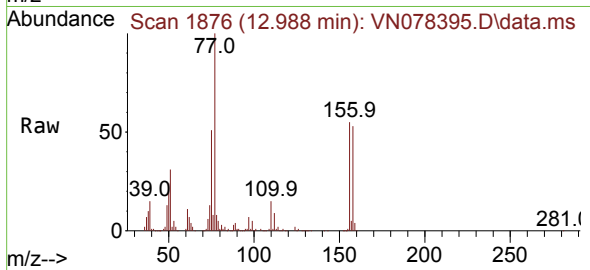
Tgt Ion:156 Resp: 272045

Ion Ratio Lower Upper

156 100

77 212.0 107.7 323.3

158 97.5 48.4 145.3



#78

n-propylbenzene

Concen: 52.538 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN078395.D

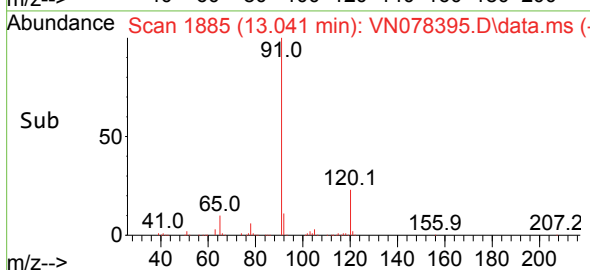
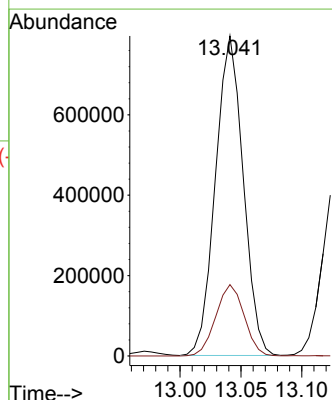
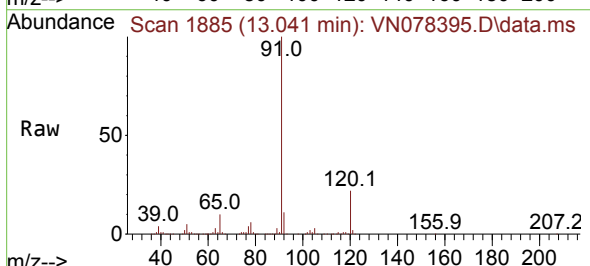
Acq: 24 Jun 2023 15:25

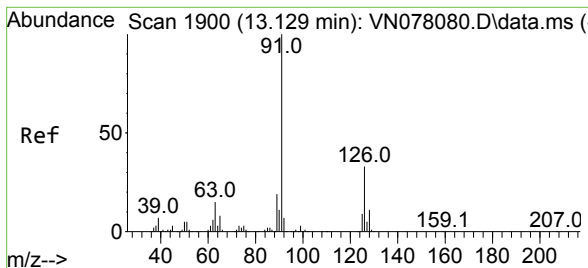
Tgt Ion: 91 Resp: 1261473

Ion Ratio Lower Upper

91 100

120 22.8 11.5 34.4





#79

2-Chlorotoluene

Concen: 52.636 ug/l

RT: 13.129 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VN078395.D

Acq: 24 Jun 2023 15:25

Instrument :

MSVOA\_N

ClientSampleId :

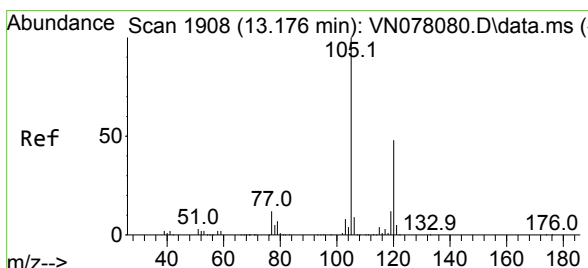
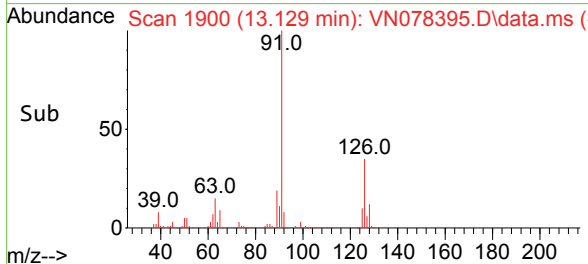
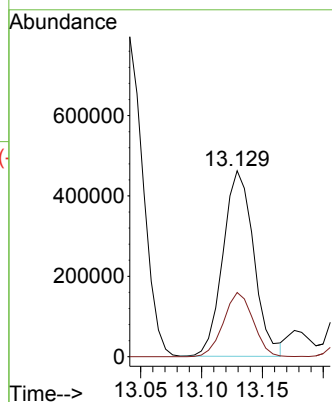
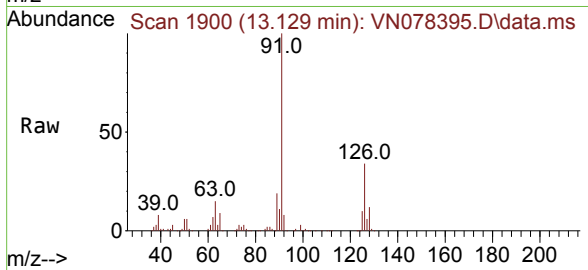
VSTDCCC050EC

Tgt Ion: 91 Resp: 815800

Ion Ratio Lower Upper

91 100

126 33.1 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 51.373 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN078395.D

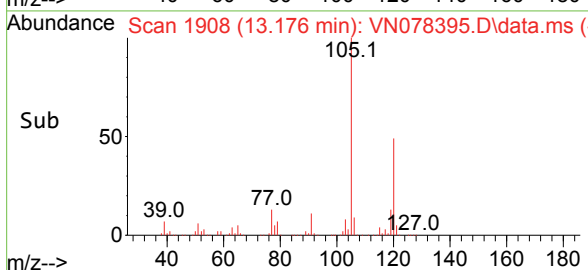
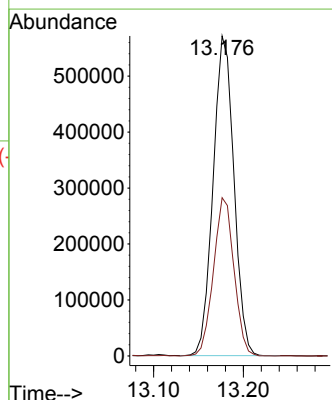
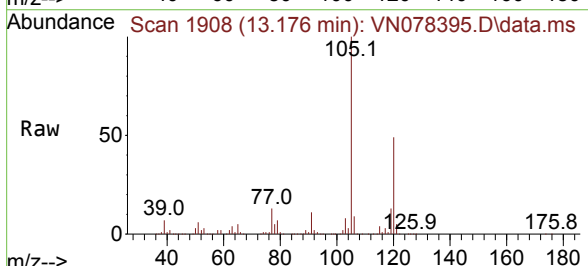
Acq: 24 Jun 2023 15:25

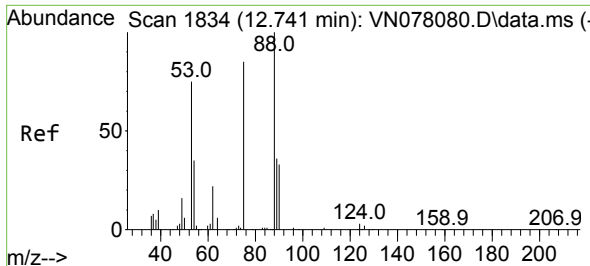
Tgt Ion: 105 Resp: 919185

Ion Ratio Lower Upper

105 100

120 48.9 24.1 72.3

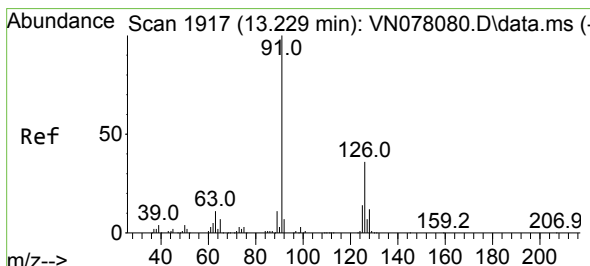
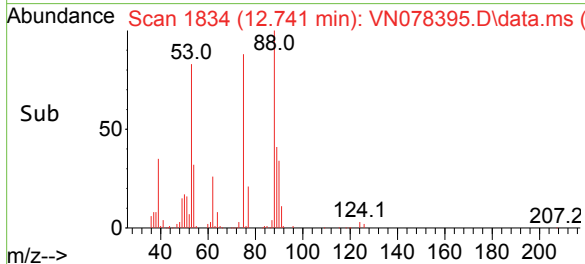
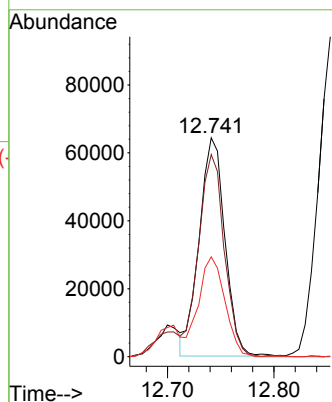
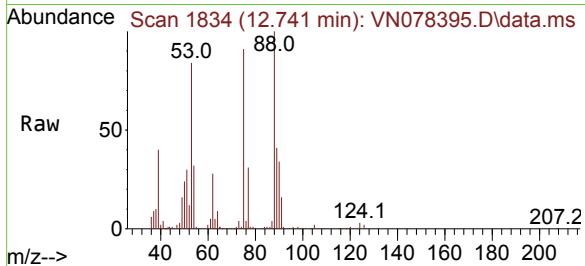




#81  
trans-1,4-Dichloro-2-butene  
Concen: 60.012 ug/l  
RT: 12.741 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

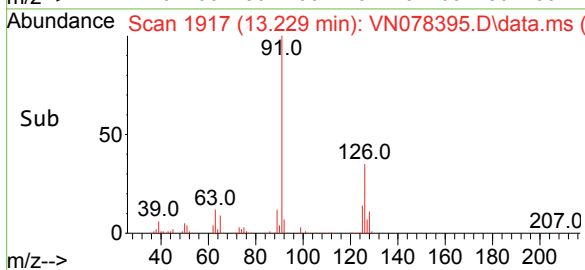
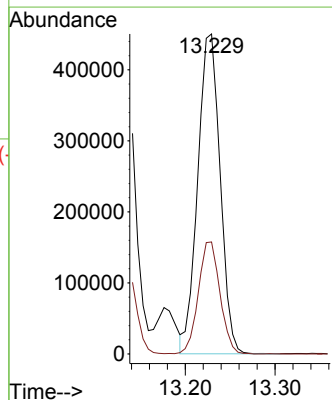
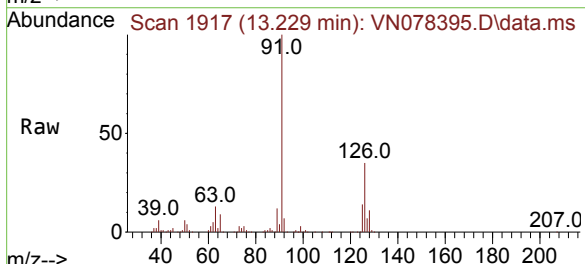
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

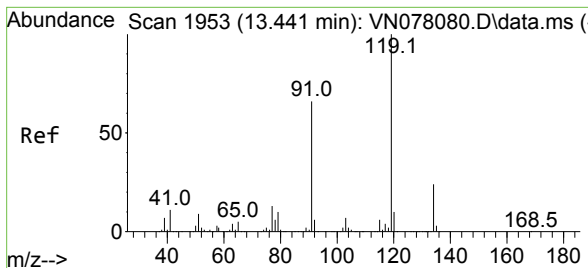
Tgt Ion: 75 Resp: 107917  
Ion Ratio Lower Upper  
75 100  
53 93.1 67.4 101.2  
89 46.2 38.8 58.2



#82  
4-Chlorotoluene  
Concen: 53.912 ug/l  
RT: 13.229 min Scan# 1917  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Tgt Ion: 91 Resp: 779841  
Ion Ratio Lower Upper  
91 100  
126 33.9 16.7 50.0

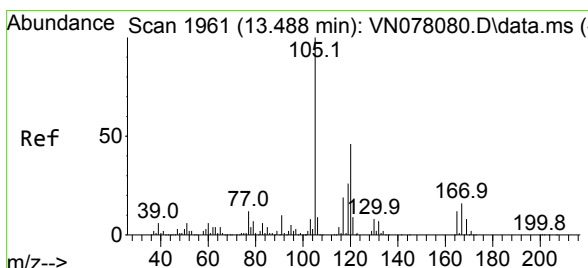
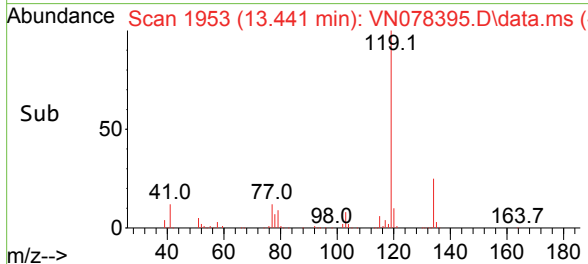
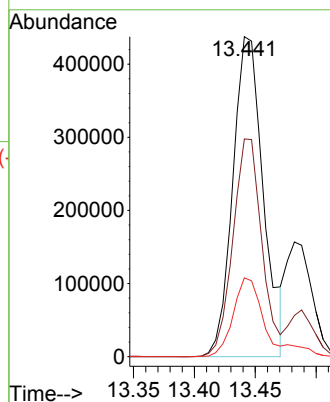
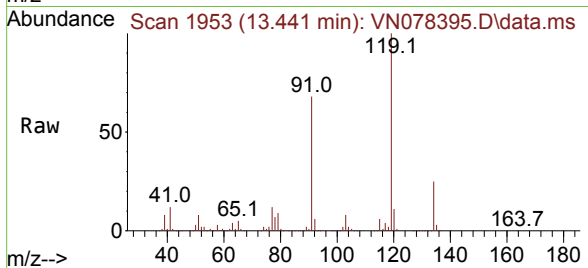




#83  
tert-Butylbenzene  
Concen: 49.078 ug/l  
RT: 13.441 min Scan# 1953  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

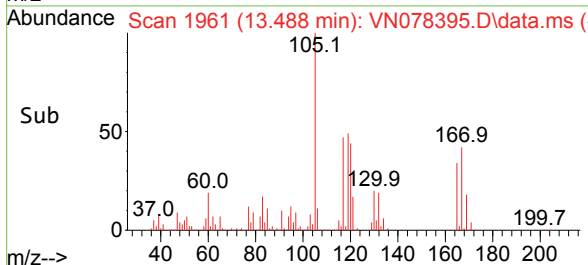
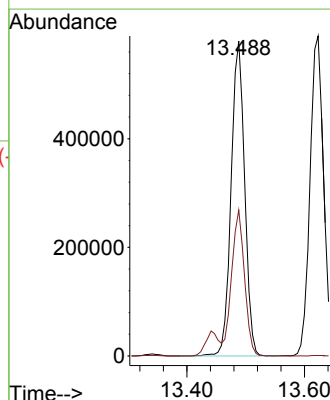
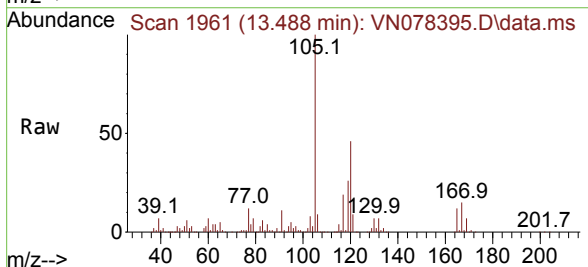
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

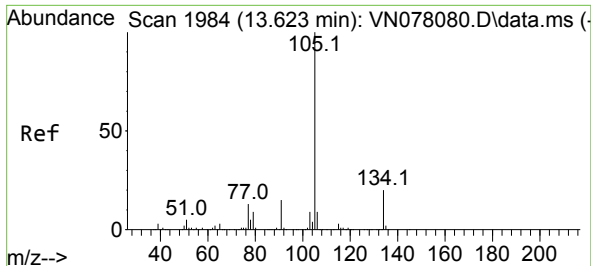
Tgt Ion:119 Resp: 763312  
Ion Ratio Lower Upper  
119 100  
91 64.6 33.9 101.7  
134 26.0 13.2 39.6



#84  
1,2,4-Trimethylbenzene  
Concen: 53.383 ug/l  
RT: 13.488 min Scan# 1961  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Tgt Ion:105 Resp: 926026  
Ion Ratio Lower Upper  
105 100  
120 44.3 22.0 66.0

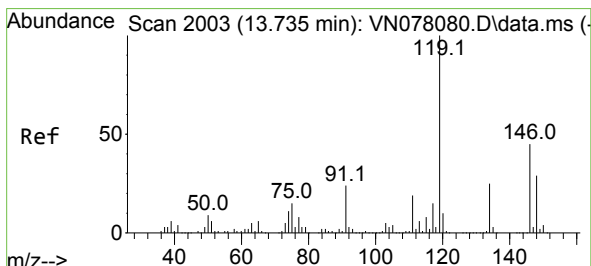
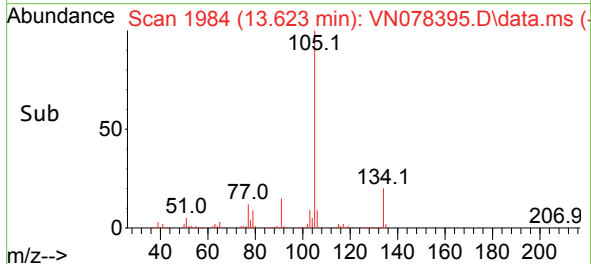
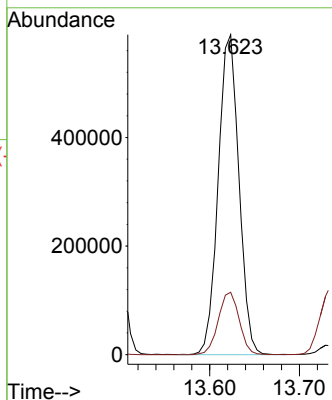
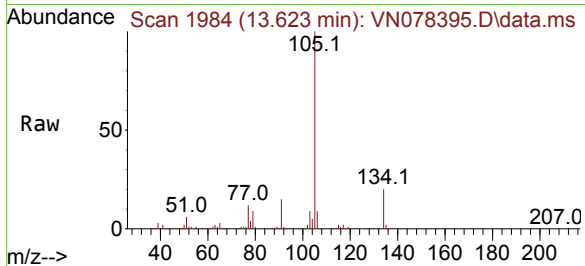




#85  
 sec-Butylbenzene  
 Concen: 46.414 ug/l  
 RT: 13.623 min Scan# 1984  
 Delta R.T. 0.000 min  
 Lab File: VN078395.D  
 Acq: 24 Jun 2023 15:25

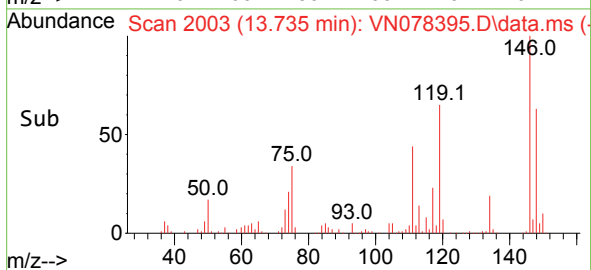
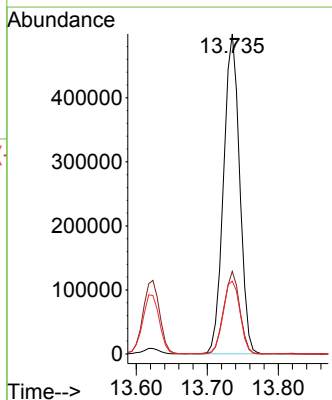
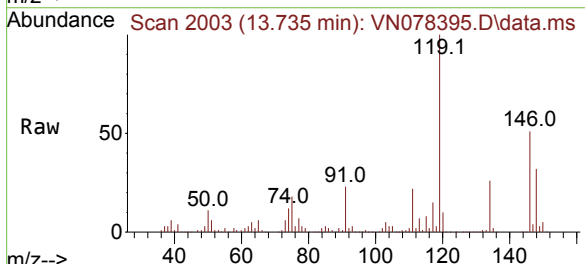
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

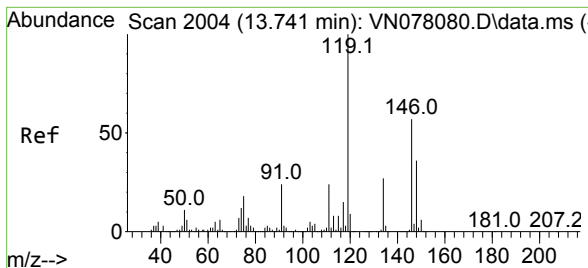
Tgt Ion:105 Resp: 944838  
 Ion Ratio Lower Upper  
 105 100  
 134 19.7 9.8 29.3



#86  
 p-Isopropyltoluene  
 Concen: 47.392 ug/l  
 RT: 13.735 min Scan# 2003  
 Delta R.T. 0.000 min  
 Lab File: VN078395.D  
 Acq: 24 Jun 2023 15:25

Tgt Ion:119 Resp: 782900  
 Ion Ratio Lower Upper  
 119 100  
 134 25.7 12.6 37.8  
 91 23.9 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 50.996 ug/l

RT: 13.735 min Scan# 2004

Delta R.T. -0.006 min

Lab File: VN078395.D

Acq: 24 Jun 2023 15:25

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

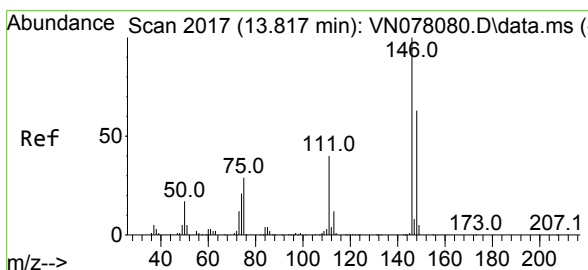
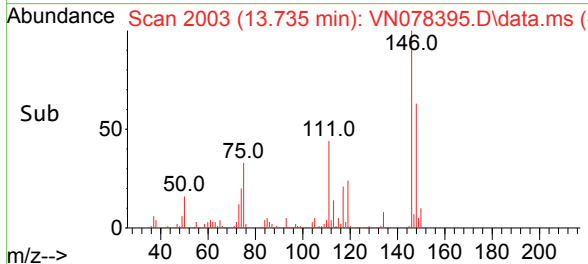
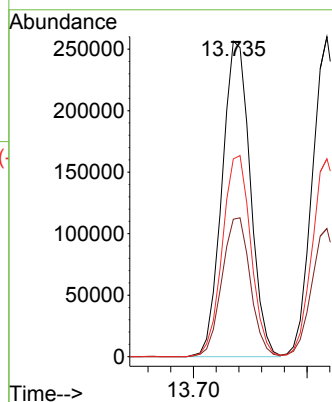
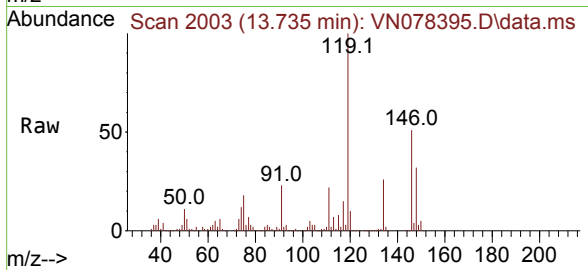
Tgt Ion:146 Resp: 442528

Ion Ratio Lower Upper

146 100

111 44.2 22.1 66.3

148 64.3 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 51.964 ug/l

RT: 13.817 min Scan# 2017

Delta R.T. 0.000 min

Lab File: VN078395.D

Acq: 24 Jun 2023 15:25

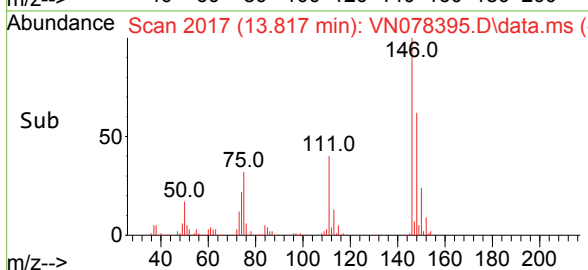
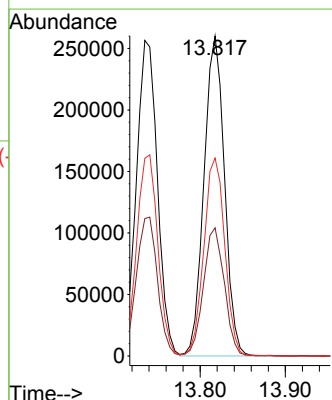
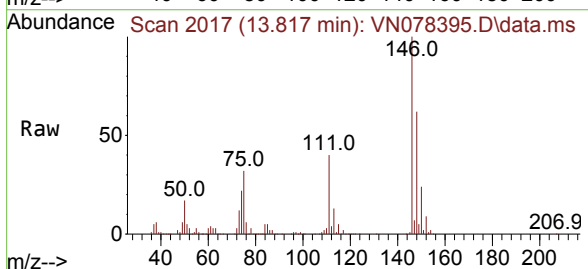
Tgt Ion:146 Resp: 435123

Ion Ratio Lower Upper

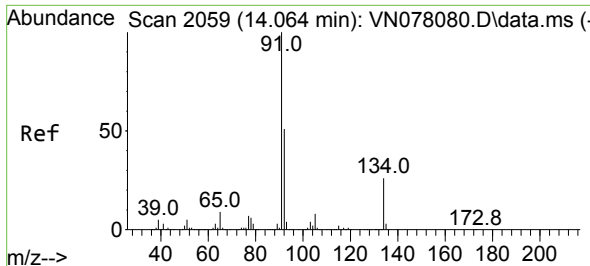
146 100

111 40.7 20.6 61.8

148 63.1 31.6 94.8



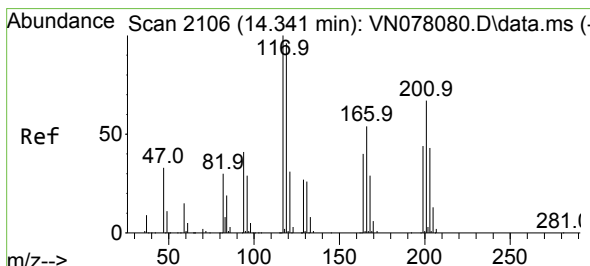
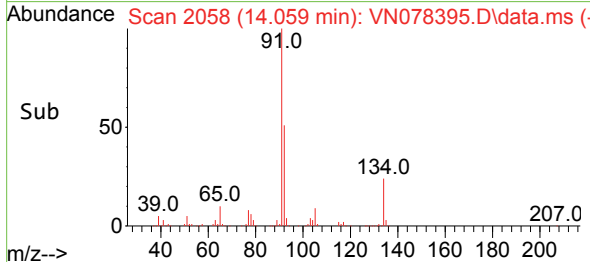
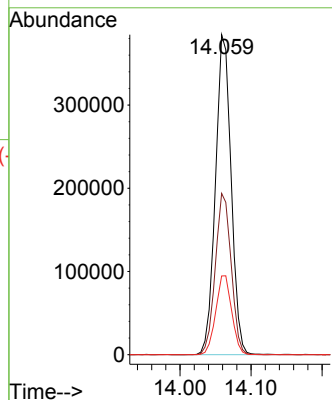
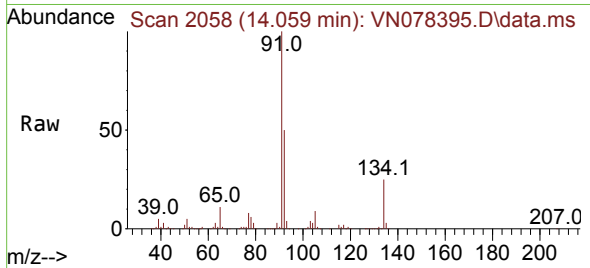




#89  
n-Butylbenzene  
Concen: 45.107 ug/l  
RT: 14.059 min Scan# 2058  
Delta R.T. -0.006 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

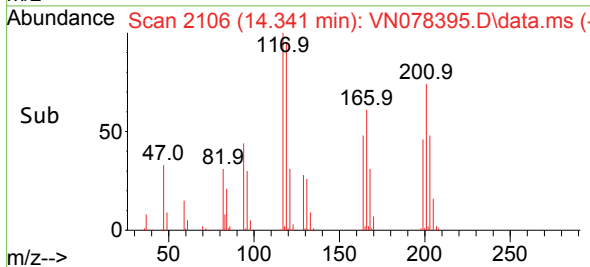
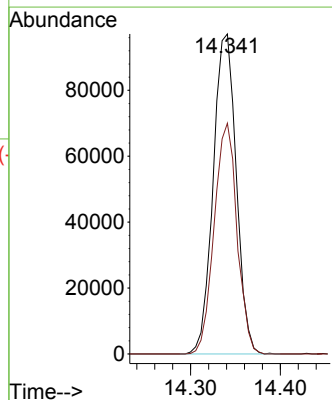
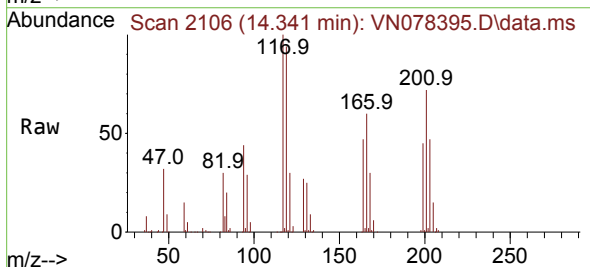
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

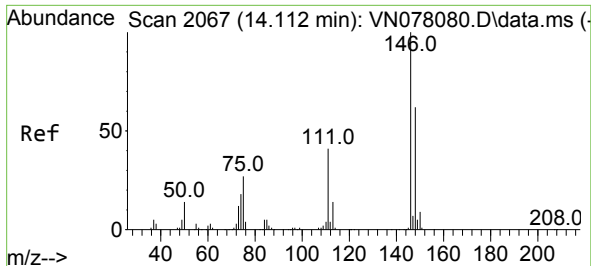
Tgt Ion: 91 Resp: 587742  
Ion Ratio Lower Upper  
91 100  
92 51.1 26.4 79.0  
134 25.2 12.6 37.6



#90  
Hexachloroethane  
Concen: 59.125 ug/l  
RT: 14.341 min Scan# 2106  
Delta R.T. -0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Tgt Ion: 117 Resp: 173334  
Ion Ratio Lower Upper  
117 100  
201 71.3 29.3 88.0

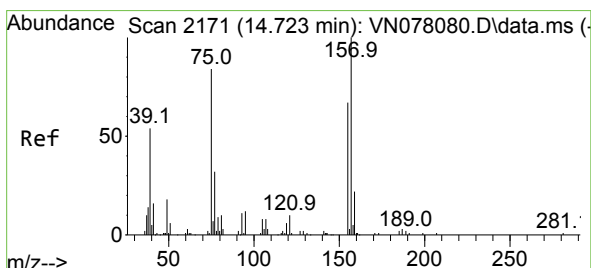
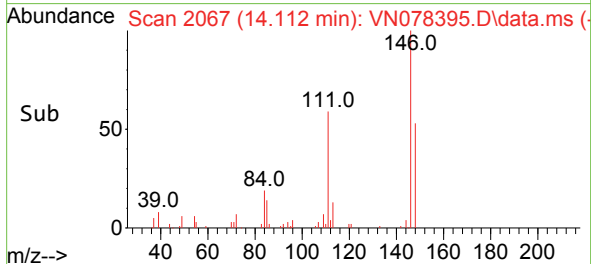
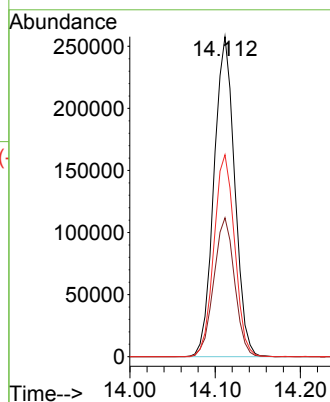
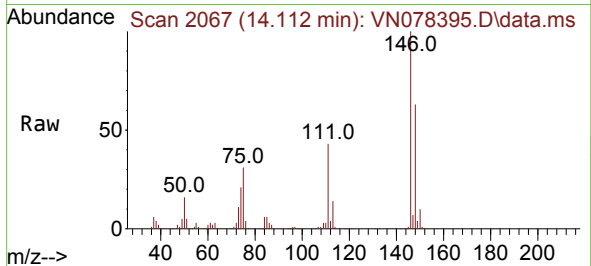




#91  
1,2-Dichlorobenzene  
Concen: 51.451 ug/l  
RT: 14.112 min Scan# 2067  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

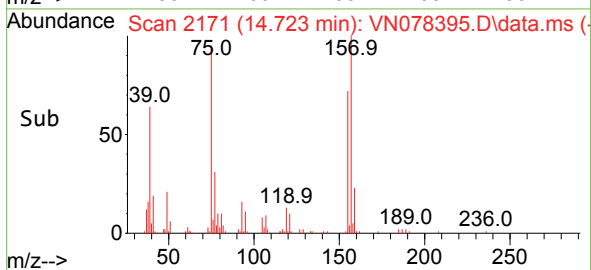
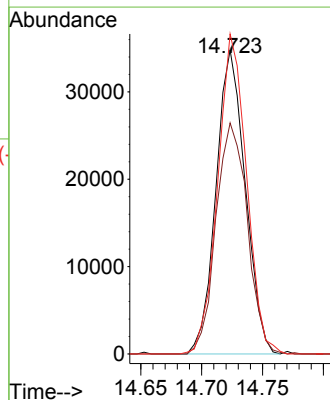
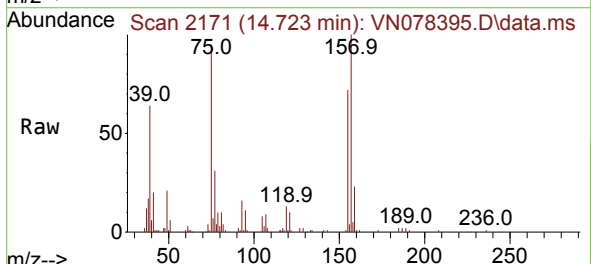
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

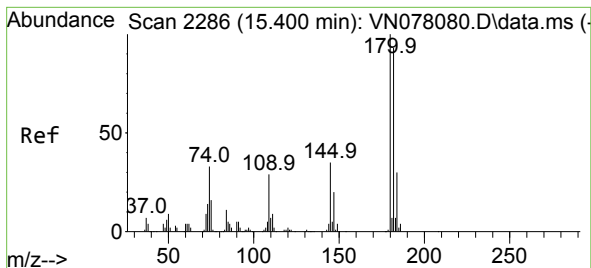
Tgt Ion:146 Resp: 436355  
Ion Ratio Lower Upper  
146 100  
111 43.7 22.0 66.0  
148 63.1 31.8 95.3



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 53.099 ug/l  
RT: 14.723 min Scan# 2171  
Delta R.T. 0.000 min  
Lab File: VN078395.D  
Acq: 24 Jun 2023 15:25

Tgt Ion: 75 Resp: 58125  
Ion Ratio Lower Upper  
75 100  
155 81.5 39.1 117.2  
157 103.6 50.3 150.9





#93

1,2,4-Trichlorobenzene

Concen: 44.784 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN078395.D

Acq: 24 Jun 2023 15:25

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

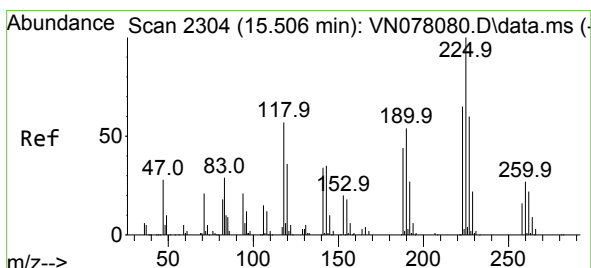
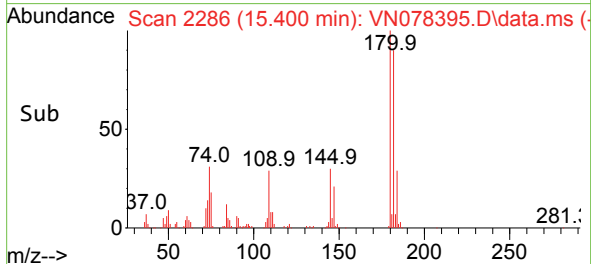
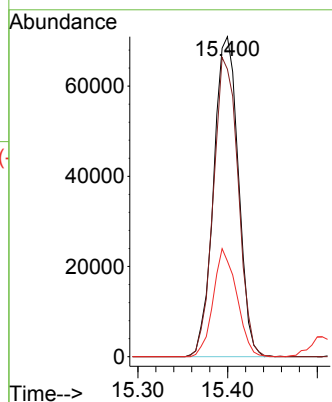
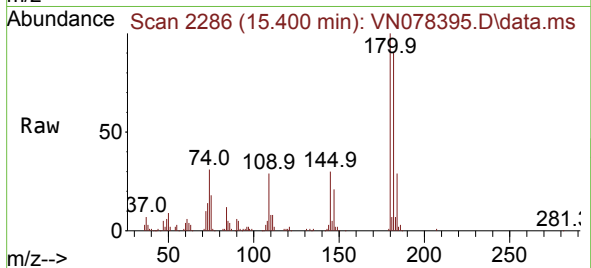
Tgt Ion:180 Resp: 135326

Ion Ratio Lower Upper

180 100

182 93.9 46.1 138.2

145 32.2 16.6 49.8



#94

Hexachlorobutadiene

Concen: 47.822 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. -0.000 min

Lab File: VN078395.D

Acq: 24 Jun 2023 15:25

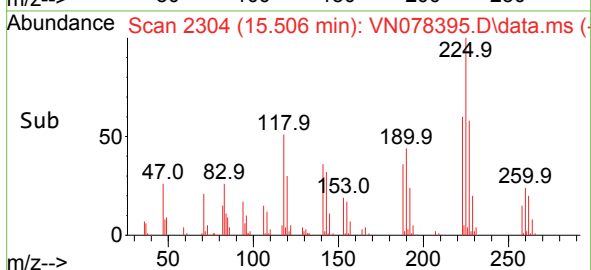
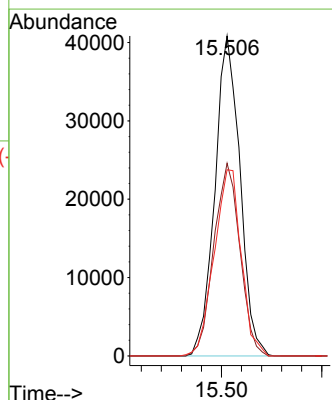
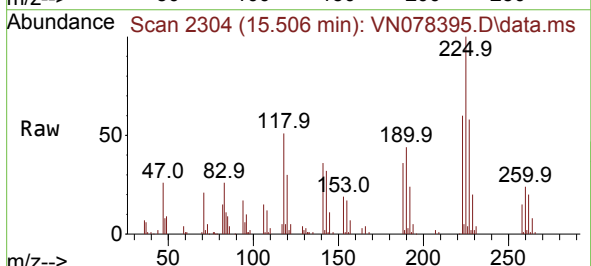
Tgt Ion:225 Resp: 71005

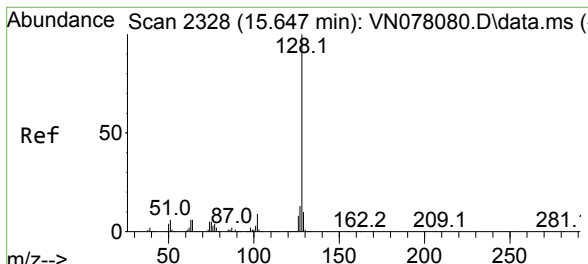
Ion Ratio Lower Upper

225 100

223 62.5 31.3 93.8

227 62.6 31.9 95.9

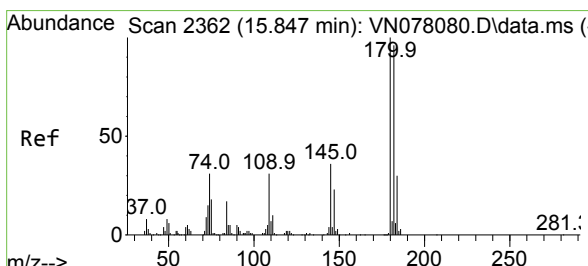
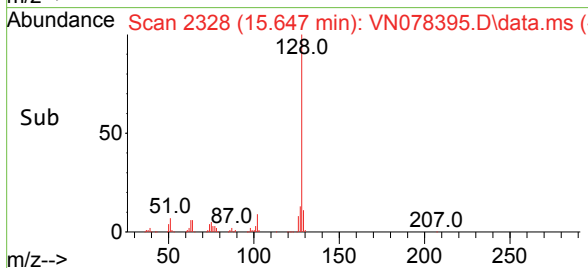
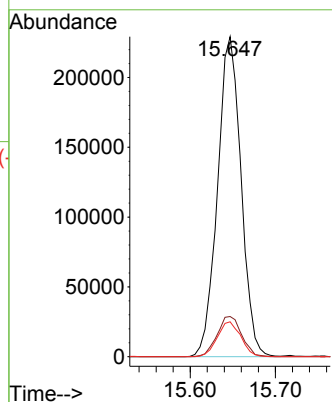
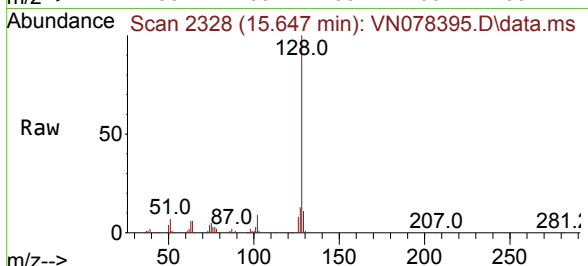




#95  
 Naphthalene  
 Concen: 43.216 ug/l  
 RT: 15.647 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VN078395.D  
 Acq: 24 Jun 2023 15:25

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 439259 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.1  | 10.0  | 15.0   |
| 129       | 10.9  | 8.7   | 13.1   |



#96  
 1,2,3-Trichlorobenzene  
 Concen: 43.344 ug/l  
 RT: 15.847 min Scan# 2362  
 Delta R.T. 0.000 min  
 Lab File: VN078395.D  
 Acq: 24 Jun 2023 15:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 146484 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.7  | 46.2  | 138.6  |
| 145       | 35.3  | 17.5  | 52.6   |

