

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110123\  
 Data File : VN079761.D  
 Acq On : 01 Nov 2023 10:03  
 Operator : JC\MD  
 Sample : VSTDIC100  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Nov 02 05:27:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 02 05:25:18 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------------|----------|
| -----                        |        |       |          |          |             |          |
| Internal Standards           |        |       |          |          |             |          |
| 1) Pentafluorobenzene        | 8.224  | 168   | 326564   | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.100  | 114   | 560565   | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5         | 11.871 | 117   | 525300   | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794 | 152   | 245763   | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds  |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4    | 8.583  | 65    | 484251   | 97.331   | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | = 194.660%# |          |
| 35) Dibromofluoromethane     | 8.165  | 113   | 398933   | 100.551  | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | = 201.100%# |          |
| 50) Toluene-d8               | 10.571 | 98    | 1500645  | 102.744  | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | = 205.480%# |          |
| 62) 4-Bromofluorobenzene     | 12.853 | 95    | 527900   | 108.981  | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | = 217.960%# |          |
| Target Compounds             |        |       |          |          |             | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.124  | 85    | 400598   | 101.841  | ug/l        | 99       |
| 3) Chloromethane             | 2.359  | 50    | 467525   | 100.048  | ug/l        | 100      |
| 4) Vinyl Chloride            | 2.512  | 62    | 520601   | 101.108  | ug/l        | 100      |
| 5) Bromomethane              | 2.930  | 94    | 284779   | 91.027   | ug/l        | 97       |
| 6) Chloroethane              | 3.106  | 64    | 456043   | 111.674  | ug/l        | 98       |
| 7) Trichlorofluoromethane    | 3.489  | 101   | 650125   | 101.516  | ug/l        | 98       |
| 8) Diethyl Ether             | 3.959  | 74    | 255173   | 104.998  | ug/l        | 72       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371  | 101   | 371699   | 100.121  | ug/l        | 98       |
| 10) Methyl Iodide            | 4.589  | 142   | 443465   | 104.602  | ug/l        | 97       |
| 11) Tert butyl alcohol       | 5.518  | 59    | 293124   | 461.527  | ug/l        | 100      |
| 12) 1,1-Dichloroethene       | 4.336  | 96    | 358360   | 101.949  | ug/l        | 84       |
| 13) Acrolein                 | 4.177  | 56    | 196333   | 498.283  | ug/l        | 99       |
| 14) Allyl chloride           | 5.018  | 41    | 568169   | 105.532  | ug/l        | 92       |
| 15) Acrylonitrile            | 5.718  | 53    | 997608   | 504.033  | ug/l        | 99       |
| 16) Acetone                  | 4.424  | 43    | 865664   | 495.337  | ug/l        | 93       |
| 17) Carbon Disulfide         | 4.706  | 76    | 1003961  | 99.017   | ug/l        | 100      |
| 18) Methyl Acetate           | 5.018  | 43    | 815486   | 97.533   | ug/l #      | 86       |
| 19) Methyl tert-butyl Ether  | 5.795  | 73    | 1272050  | 105.111  | ug/l        | 94       |
| 20) Methylene Chloride       | 5.277  | 84    | 423209   | 95.972   | ug/l #      | 84       |
| 21) trans-1,2-Dichloroethene | 5.789  | 96    | 398839   | 101.736  | ug/l        | 85       |
| 22) Diisopropyl ether        | 6.671  | 45    | 1334280  | 106.942  | ug/l #      | 91       |
| 23) Vinyl Acetate            | 6.600  | 43    | 3815572  | 554.423  | ug/l #      | 88       |
| 24) 1,1-Dichloroethane       | 6.565  | 63    | 771778   | 101.773  | ug/l        | 99       |
| 25) 2-Butanone               | 7.483  | 43    | 1346785  | 526.263  | ug/l #      | 83       |
| 26) 2,2-Dichloropropane      | 7.494  | 77    | 650303   | 103.690  | ug/l        | 99       |
| 27) cis-1,2-Dichloroethene   | 7.489  | 96    | 476620   | 101.637  | ug/l        | 89       |
| 28) Bromochloromethane       | 7.812  | 49    | 367730   | 99.504   | ug/l #      | 79       |
| 29) Tetrahydrofuran          | 7.836  | 42    | 859263   | 516.069  | ug/l #      | 78       |
| 30) Chloroform               | 7.965  | 83    | 783008   | 95.057   | ug/l        | 97       |
| 31) Cyclohexane              | 8.259  | 56    | 631465   | 96.049   | ug/l        | 86       |
| 32) 1,1,1-Trichloroethane    | 8.171  | 97    | 679883   | 101.298  | ug/l        | 96       |
| 36) 1,1-Dichloropropene      | 8.371  | 75    | 585208   | 103.305  | ug/l        | 96       |
| 37) Ethyl Acetate            | 7.559  | 43    | 537936   | 103.542  | ug/l #      | 92       |
| 38) Carbon Tetrachloride     | 8.365  | 117   | 586706   | 102.766  | ug/l        | 99       |
| 39) Methylcyclohexane        | 9.600  | 83    | 584675   | 109.671  | ug/l #      | 90       |
| 40) Benzene                  | 8.606  | 78    | 1735399  | 102.280  | ug/l        | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110123\  
 Data File : VN079761.D  
 Acq On : 01 Nov 2023 10:03  
 Operator : JC\MD  
 Sample : VSTDIC100  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Nov 02 05:27:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 02 05:25:18 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.777  | 41   | 282864   | 102.530  | ug/l   | 89       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 600533   | 101.327  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 937259   | 102.870  | ug/l # | 91       |
| 44) Trichloroethene           | 9.353  | 130  | 427806   | 101.610  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 454924   | 104.917  | ug/l   | 93       |
| 46) Dibromomethane            | 9.712  | 93   | 311238   | 105.123  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.888  | 83   | 629905   | 99.760   | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.683  | 41   | 440242   | 110.315  | ug/l # | 84       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 143556   | 2035.782 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 2768043  | 539.637  | ug/l   | 91       |
| 52) Toluene                   | 10.630 | 92   | 1092435  | 108.605  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 704613   | 113.831  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 748221   | 110.898  | ug/l # | 90       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 419791   | 103.759  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 678142   | 117.510  | ug/l # | 87       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 752169   | 105.473  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 1672143  | 571.687  | ug/l   | 91       |
| 59) 2-Hexanone                | 11.200 | 43   | 2260282  | 576.011  | ug/l   | 84       |
| 60) Dibromochloromethane      | 11.359 | 129  | 474748   | 109.625  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 438021   | 107.867  | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.106 | 164  | 338392   | 99.465   | ug/l   | 99       |
| 65) Chlorobenzene             | 11.894 | 112  | 1151227  | 101.031  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 431501   | 105.105  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.965 | 91   | 2129188  | 107.250  | ug/l   | 97       |
| 68) m/p-Xylenes               | 12.071 | 106  | 1584140  | 214.206  | ug/l   | 95       |
| 69) o-Xylene                  | 12.400 | 106  | 782677   | 109.905  | ug/l   | 94       |
| 70) Styrene                   | 12.412 | 104  | 1321926  | 115.506  | ug/l   | 98       |
| 71) Bromoform                 | 12.582 | 173  | 329048   | 112.873  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.700 | 105  | 1961464  | 105.162  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.494 | 43   | 857507   | 105.327  | ug/l # | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 632369   | 95.623   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 806142   | 139.897  | ug/l   | 71       |
| 77) Bromobenzene              | 12.982 | 156  | 466950   | 102.256  | ug/l   | 96       |
| 78) n-propylbenzene           | 13.035 | 91   | 2324127  | 108.811  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 1391111  | 101.951  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 1588004  | 109.429  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 240921   | 113.607  | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 1407942  | 103.837  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.441 | 119  | 1315674  | 110.760  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 1612424  | 112.934  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.618 | 105  | 1815522  | 110.317  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 1536281  | 114.496  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 859281   | 101.152  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 853515   | 98.986   | ug/l   | 100      |
| 89) n-Butylbenzene            | 14.059 | 91   | 1316448  | 113.912  | ug/l   | 100      |
| 90) Hexachloroethane          | 14.335 | 117  | 264713   | 99.617   | ug/l   | 87       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 818717   | 102.094  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 116828   | 104.173  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 412611   | 108.209  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 158116   | 91.473   | ug/l   | 99       |
| 95) Naphthalene               | 15.641 | 128  | 1416990  | 109.580  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 390330   | 104.430  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110123\  
Data File : VN079761.D  
Acq On : 01 Nov 2023 10:03  
Operator : JC\MD  
Sample : VSTDICC100  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

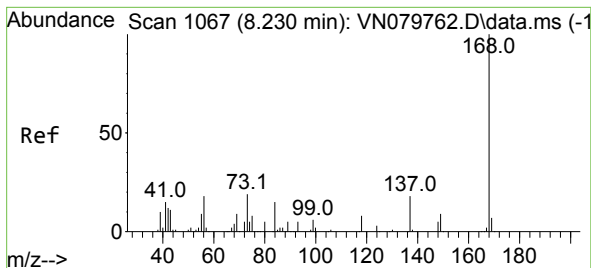
Quant Time: Nov 02 05:27:44 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110123W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 02 05:25:18 2023  
Response via : Initial Calibration

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

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

Quant Time: Nov 02 05:27:44 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110123W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 02 05:25:18 2023  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 10

Delta R.T. -0.005 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

Instrument :

MSVOA\_N

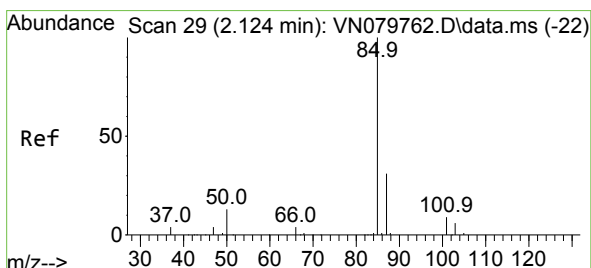
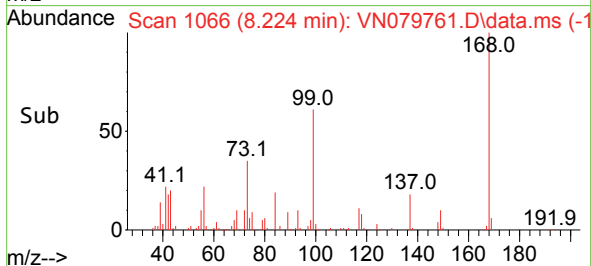
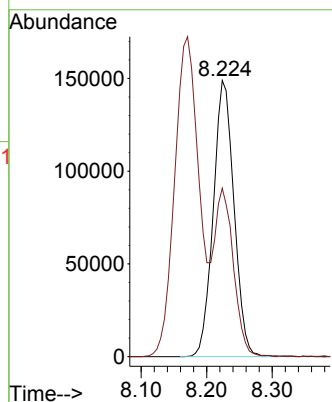
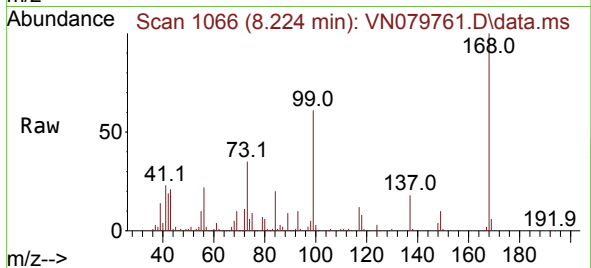
ClientSampleId :

Tgt Ion:168 Resp: 326564

Ion Ratio Lower Upper

168 100

99 60.8 53.0 79.6



#2

Dichlorodifluoromethane

Concen: 101.841 ug/l

RT: 2.124 min Scan# 29

Delta R.T. 0.000 min

Lab File: VN079761.D

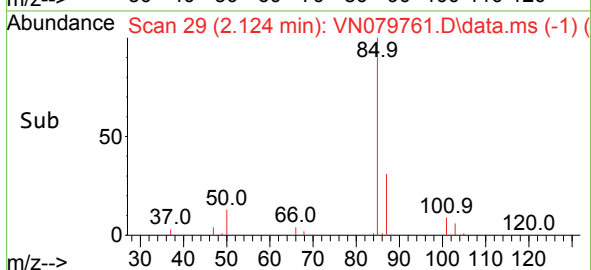
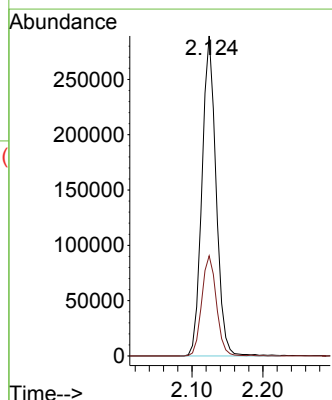
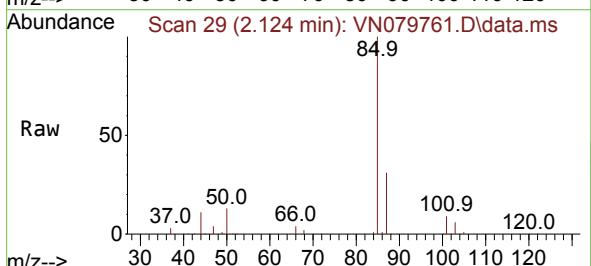
Acq: 01 Nov 2023 10:03

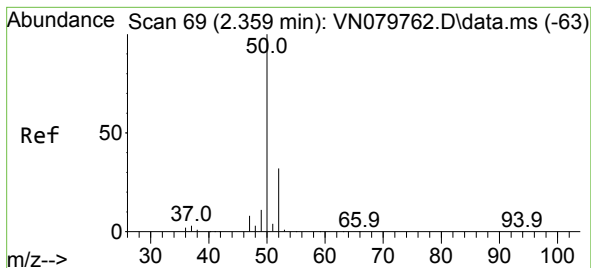
Tgt Ion: 85 Resp: 400598

Ion Ratio Lower Upper

85 100

87 31.3 15.8 47.4





#3

Chloromethane

Concen: 100.048 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

Instrument :

MSVOA\_N

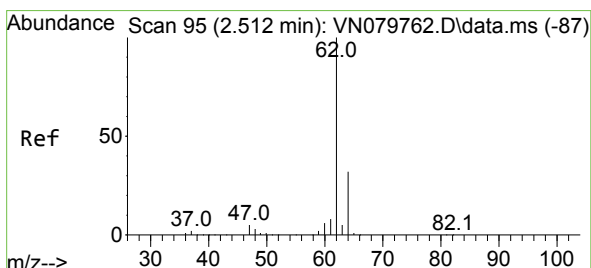
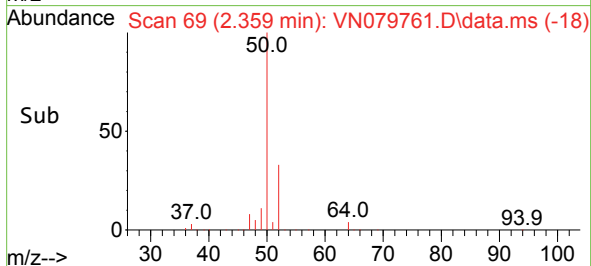
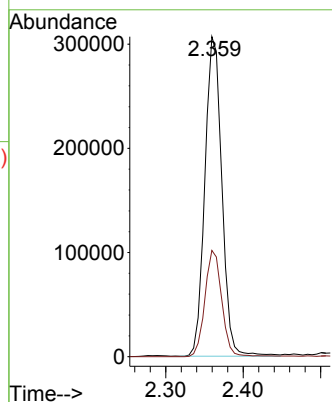
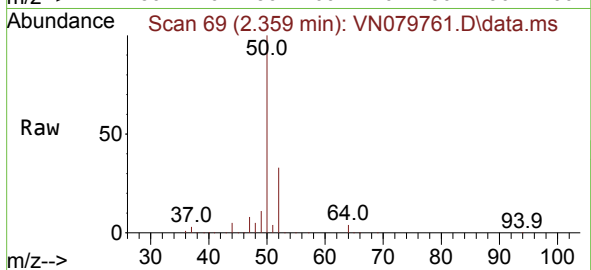
ClientSampleId :

Tgt Ion: 50 Resp: 467525

Ion Ratio Lower Upper

50 100

52 33.3 26.5 39.7



#4

Vinyl Chloride

Concen: 101.108 ug/l

RT: 2.512 min Scan# 95

Delta R.T. 0.000 min

Lab File: VN079761.D

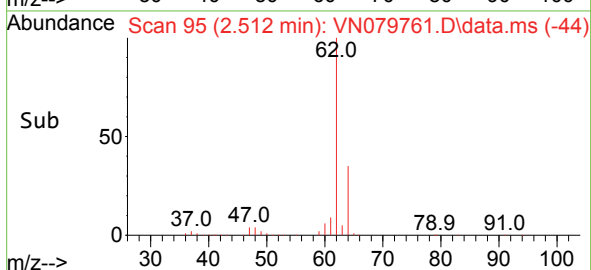
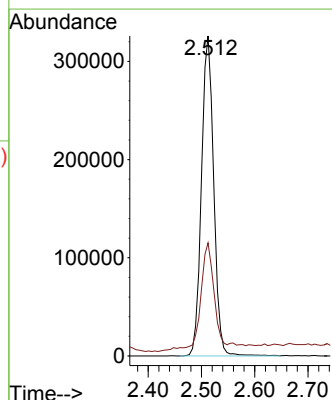
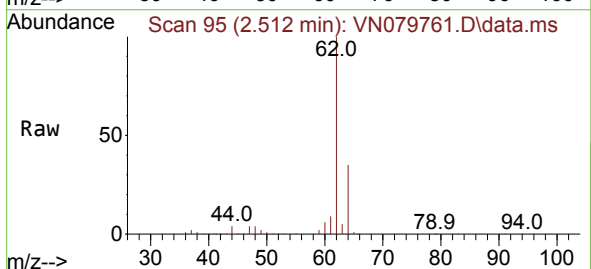
Acq: 01 Nov 2023 10:03

Tgt Ion: 62 Resp: 520601

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.2

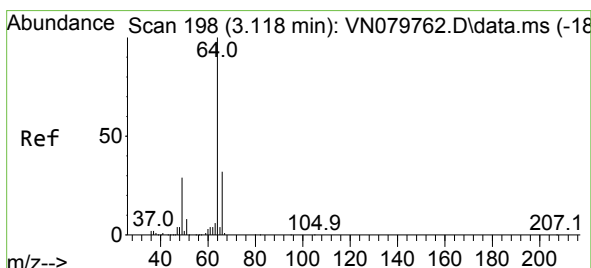
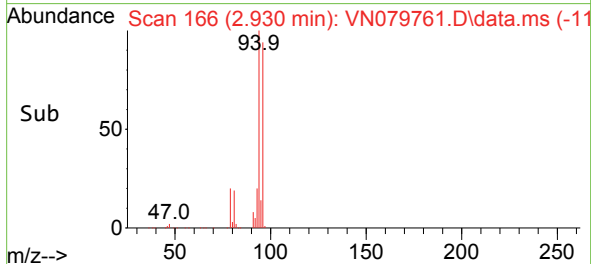
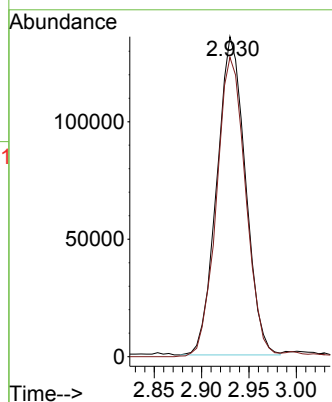
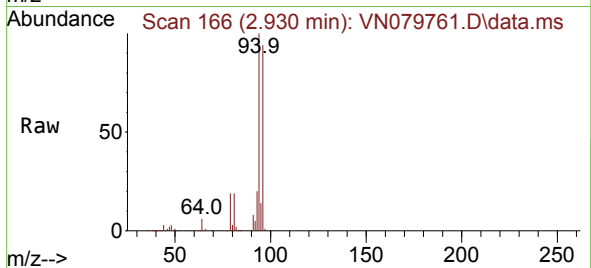




#5  
Bromomethane  
Concen: 91.027 ug/l  
RT: 2.930 min Scan# 1  
Delta R.T. -0.023 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

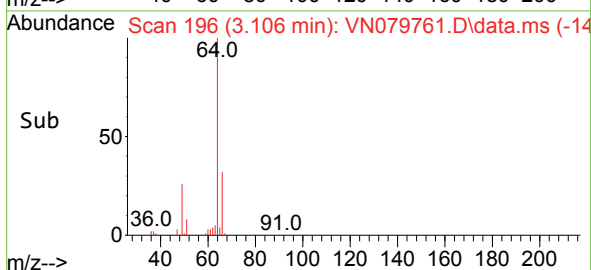
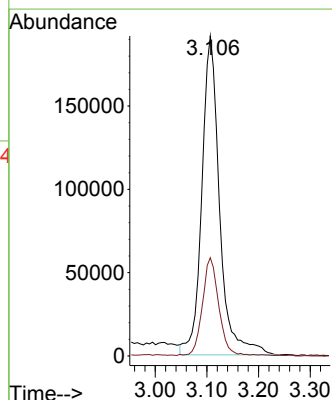
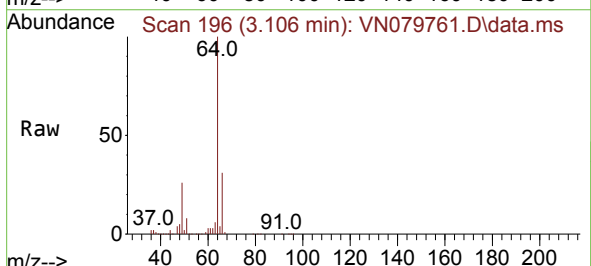
Instrument :  
MSVOA\_N  
ClientSampleId :

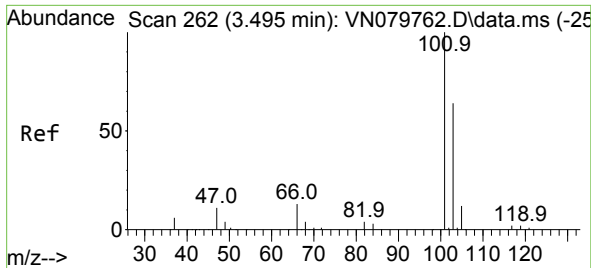
Tgt Ion: 94 Resp: 284779  
Ion Ratio Lower Upper  
94 100  
96 93.9 73.1 109.7



#6  
Chloroethane  
Concen: 111.674 ug/l  
RT: 3.106 min Scan# 196  
Delta R.T. -0.012 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

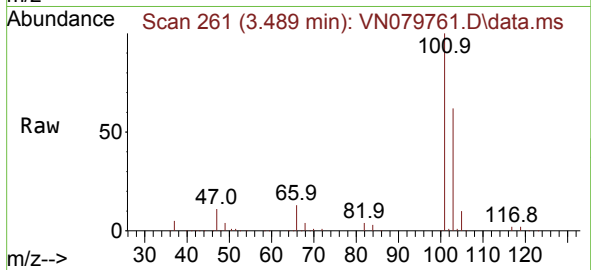
Tgt Ion: 64 Resp: 456043  
Ion Ratio Lower Upper  
64 100  
66 30.6 25.4 38.2



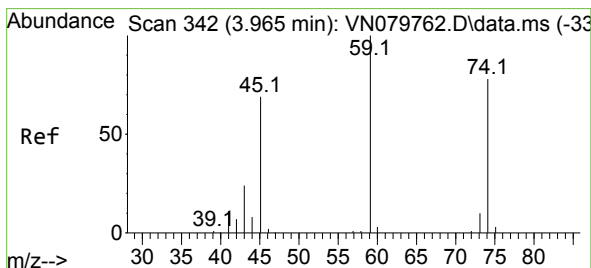
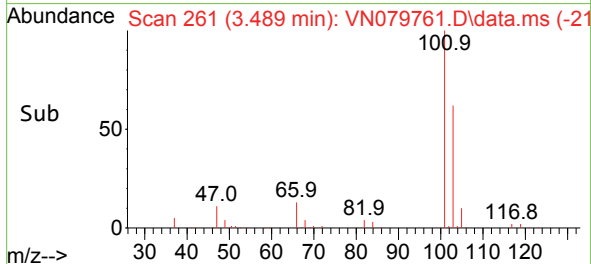
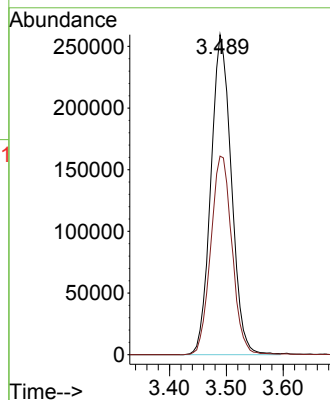


#7  
 Trichlorofluoromethane  
 Concen: 101.516 ug/l  
 RT: 3.489 min Scan# 20  
 Delta R.T. -0.006 min  
 Lab File: VN079761.D  
 Acq: 01 Nov 2023 10:03

Instrument :  
 MSVOA\_N  
 ClientSampleId :

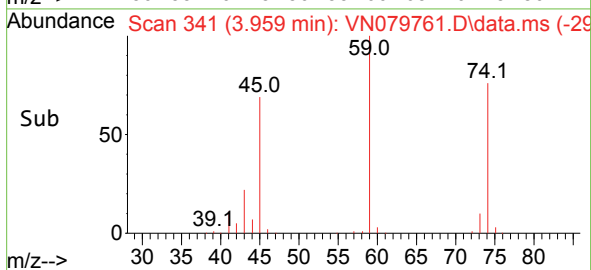
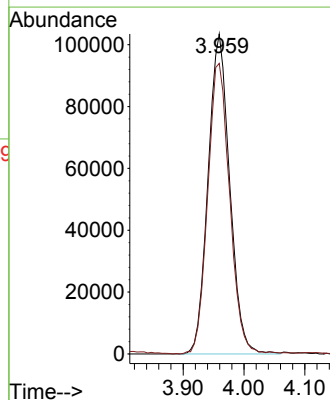
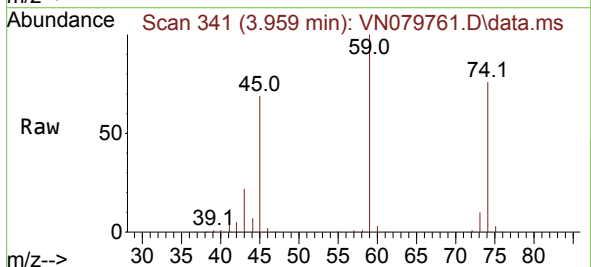


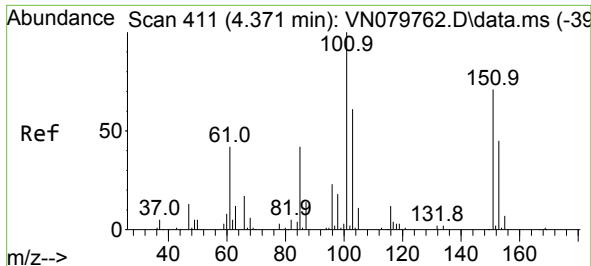
Tgt Ion:101 Resp: 650125  
 Ion Ratio Lower Upper  
 101 100  
 103 62.0 50.7 76.1



#8  
 Diethyl Ether  
 Concen: 104.998 ug/l  
 RT: 3.959 min Scan# 341  
 Delta R.T. -0.006 min  
 Lab File: VN079761.D  
 Acq: 01 Nov 2023 10:03

Tgt Ion: 74 Resp: 255173  
 Ion Ratio Lower Upper  
 74 100  
 45 92.1 34.4 103.3

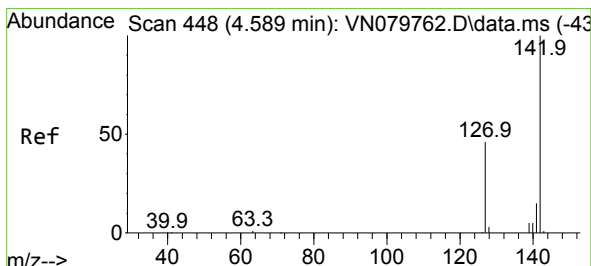
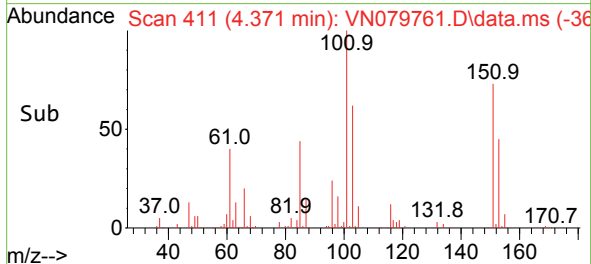
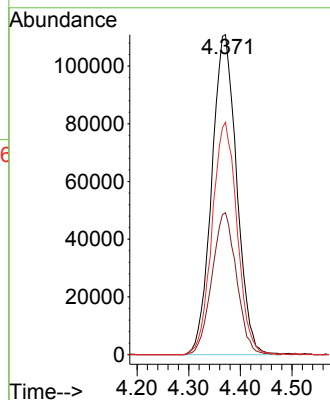
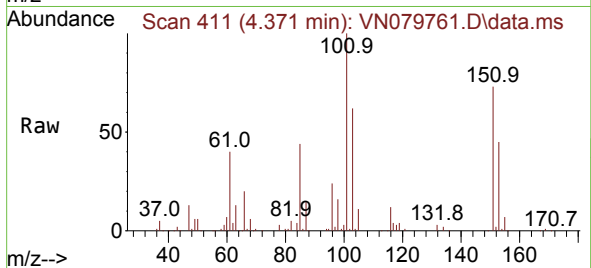




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 100.121 ug/l  
RT: 4.371 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

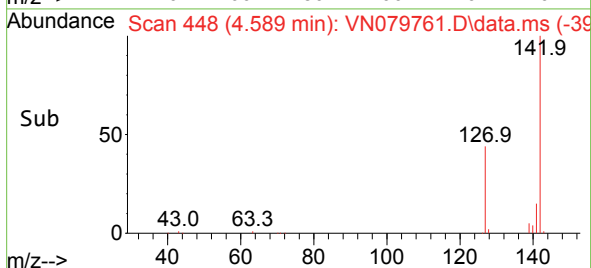
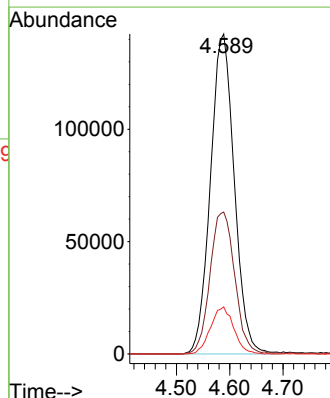
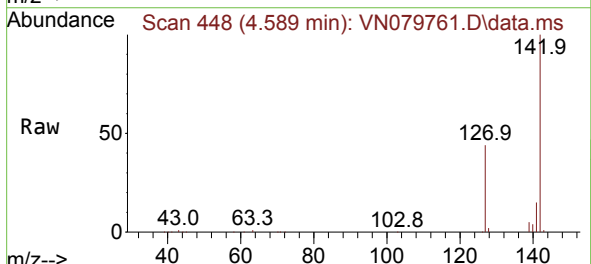
Instrument :  
MSVOA\_N  
ClientSampleId :

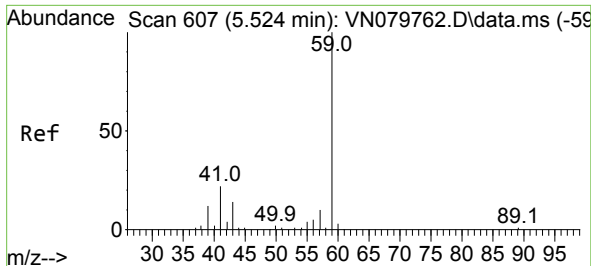
Tgt Ion:101 Resp: 371699  
Ion Ratio Lower Upper  
101 100  
85 43.9 36.6 55.0  
151 72.6 57.6 86.4



#10  
Methyl Iodide  
Concen: 104.602 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. -0.006 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

Tgt Ion:142 Resp: 443465  
Ion Ratio Lower Upper  
142 100  
127 44.4 37.6 56.4  
141 14.7 11.4 17.0





#11

Tert butyl alcohol

Concen: 461.527 ug/l

RT: 5.518 min Scan# 607

Delta R.T. 0.000 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

Instrument :

MSVOA\_N

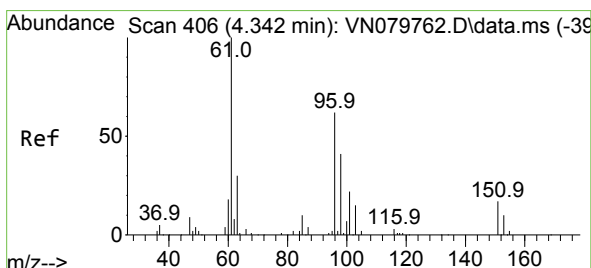
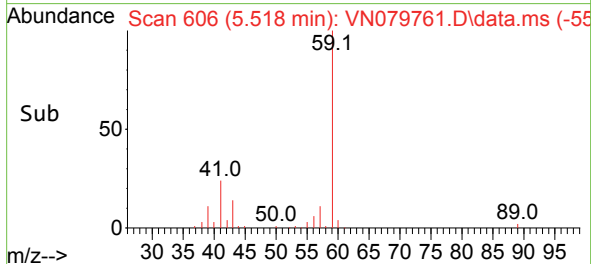
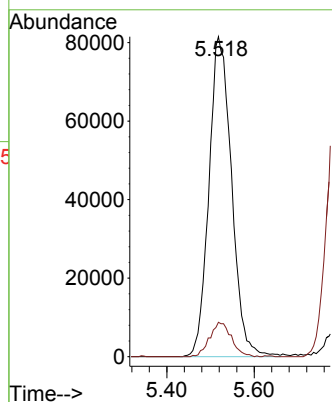
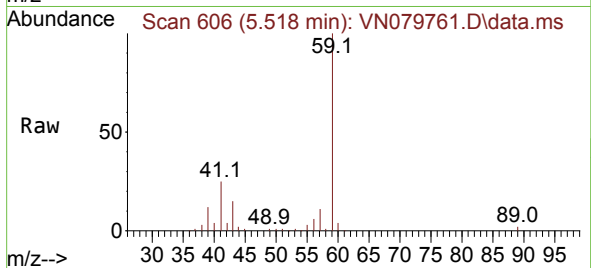
ClientSampleId :

Tgt Ion: 59 Resp: 293124

Ion Ratio Lower Upper

59 100

57 10.3 8.2 12.4



#12

1,1-Dichloroethene

Concen: 101.949 ug/l

RT: 4.336 min Scan# 405

Delta R.T. -0.012 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

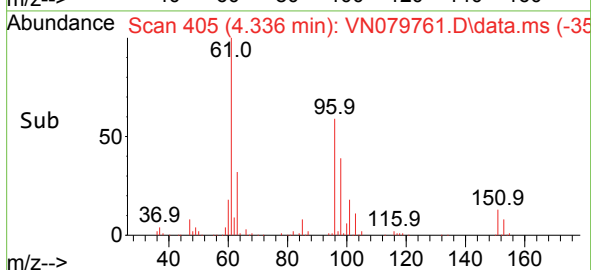
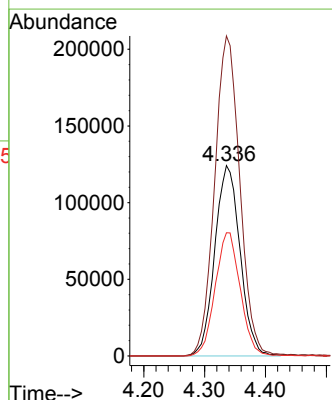
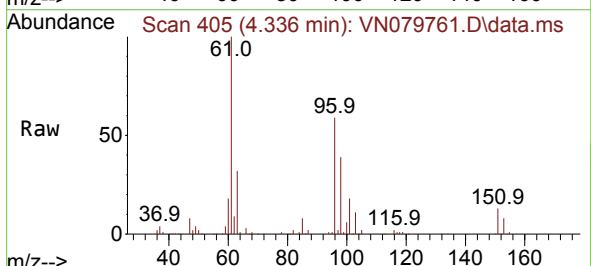
Tgt Ion: 96 Resp: 358360

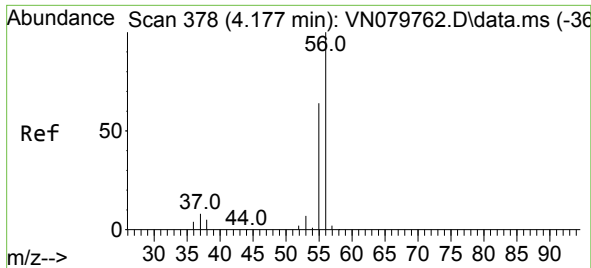
Ion Ratio Lower Upper

96 100

61 168.1 112.7 169.1

98 64.8 51.2 76.8

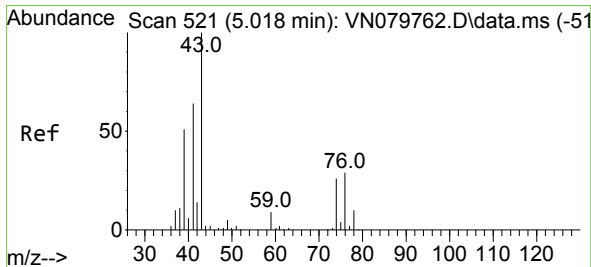
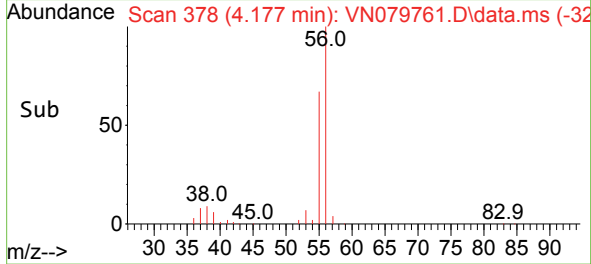
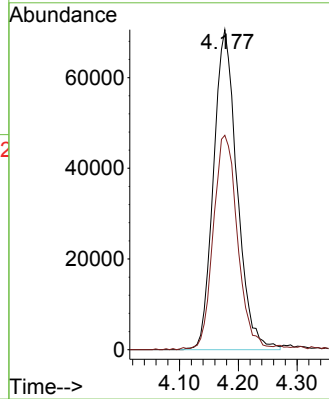
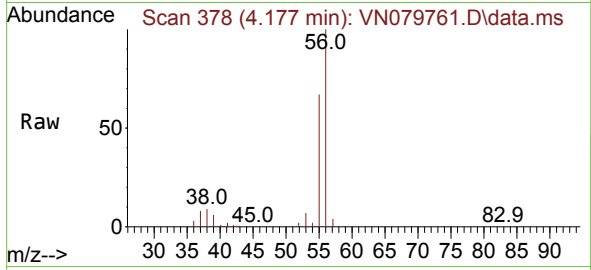




#13  
Acrolein  
Concen: 498.283 ug/l  
RT: 4.177 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

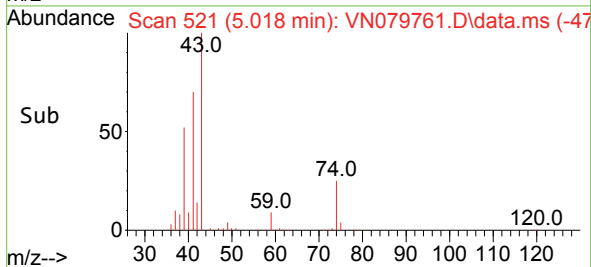
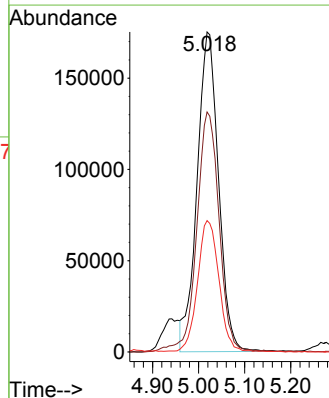
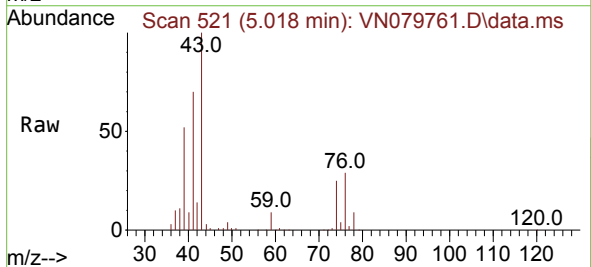
Instrument :  
MSVOA\_N  
ClientSampleId :

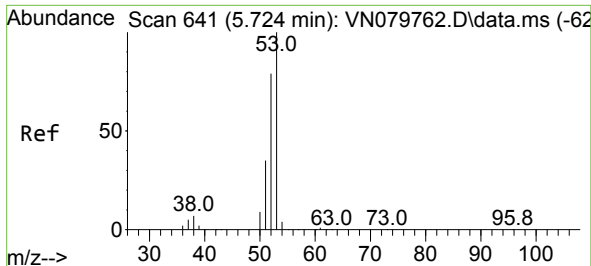
Tgt Ion: 56 Resp: 196333  
Ion Ratio Lower Upper  
56 100  
55 69.1 54.5 81.7



#14  
Allyl chloride  
Concen: 105.532 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. -0.006 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

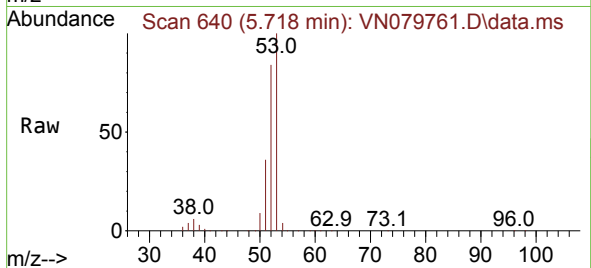
Tgt Ion: 41 Resp: 568169  
Ion Ratio Lower Upper  
41 100  
39 78.1 58.8 88.2  
76 40.6 39.1 58.7



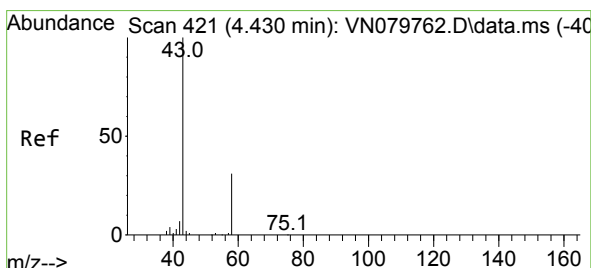
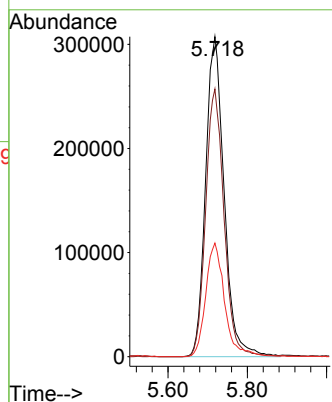
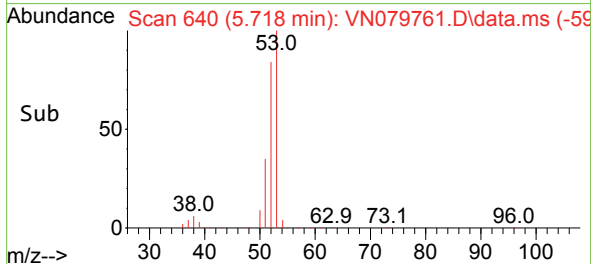


#15  
Acrylonitrile  
Concen: 504.033 ug/l  
RT: 5.718 min Scan# 641  
Delta R.T. -0.006 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

Instrument :  
MSVOA\_N  
ClientSampleId :

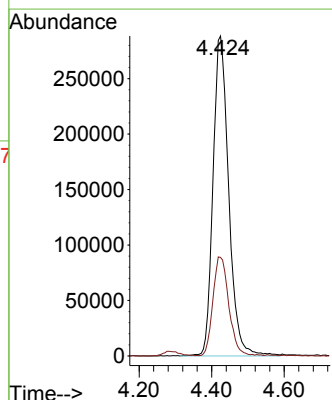
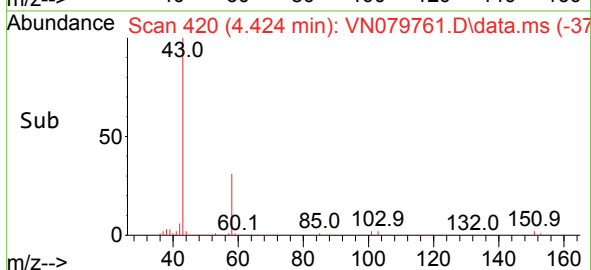
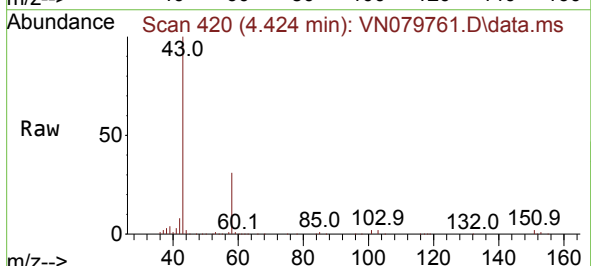


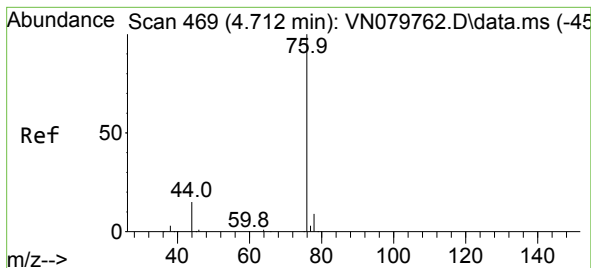
Tgt Ion: 53 Resp: 997608  
Ion Ratio Lower Upper  
53 100  
52 83.1 65.3 97.9  
51 36.3 28.9 43.3



#16  
Acetone  
Concen: 495.337 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. -0.006 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

Tgt Ion: 43 Resp: 865664  
Ion Ratio Lower Upper  
43 100  
58 30.6 28.0 42.0





#17

Carbon Disulfide

Concen: 99.017 ug/l

RT: 4.706 min Scan# 4

Delta R.T. -0.006 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

Instrument :

MSVOA\_N

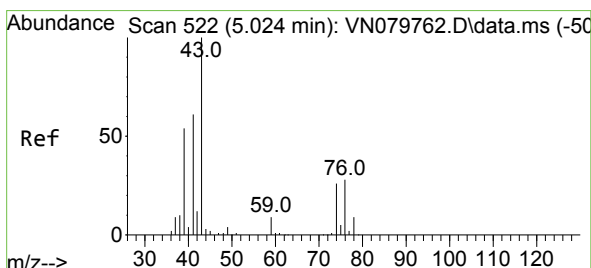
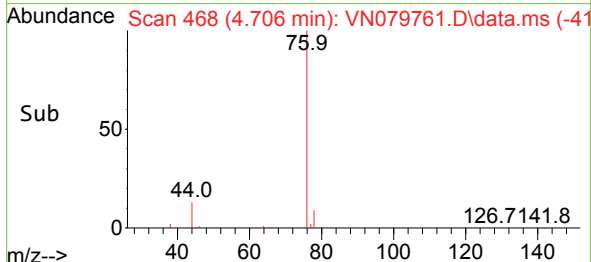
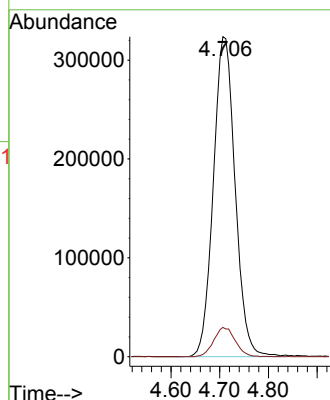
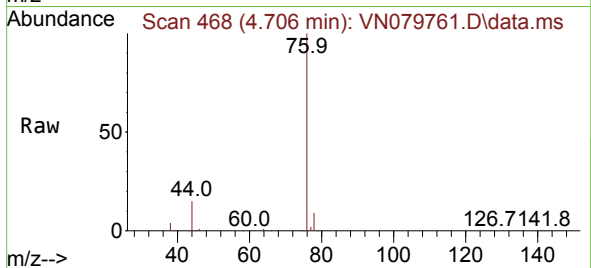
ClientSampleId :

Tgt Ion: 76 Resp: 1003961

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



#18

Methyl Acetate

Concen: 97.533 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.006 min

Lab File: VN079761.D

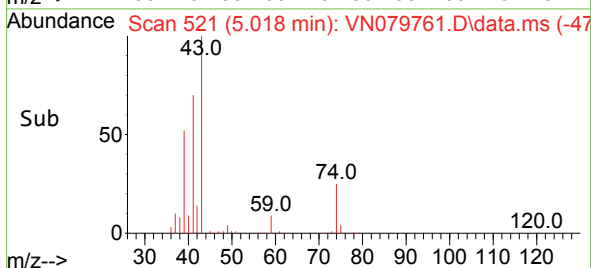
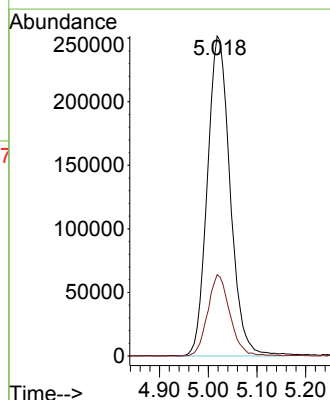
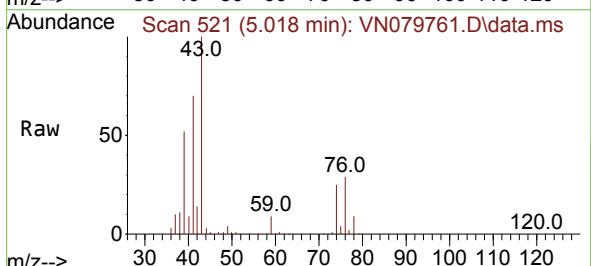
Acq: 01 Nov 2023 10:03

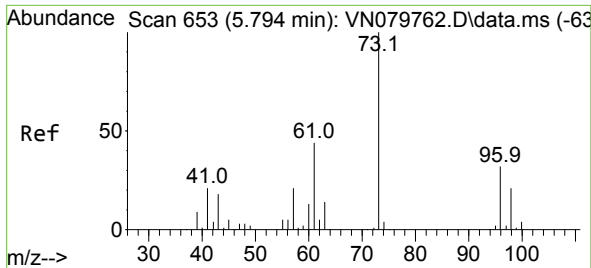
Tgt Ion: 43 Resp: 815486

Ion Ratio Lower Upper

43 100

74 24.7 26.2 39.4#

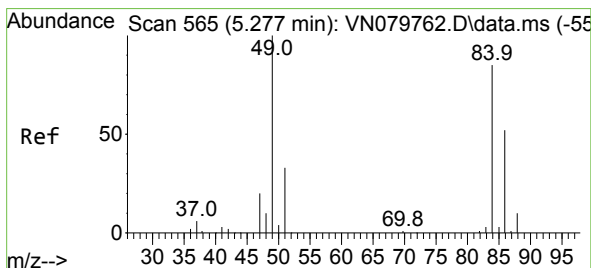
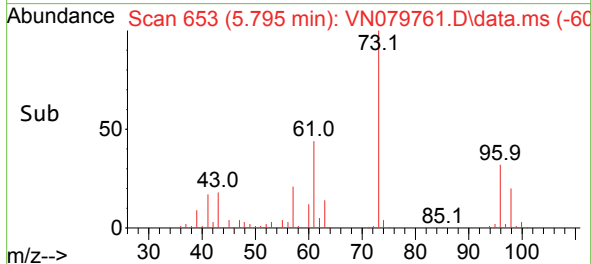
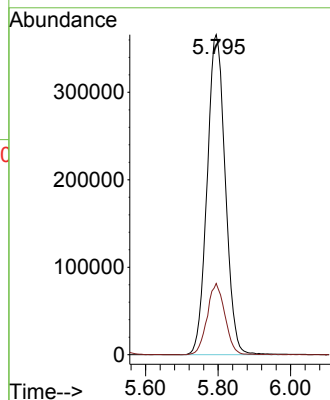
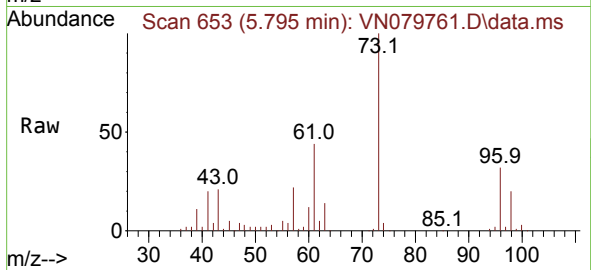




#19  
Methyl tert-butyl Ether  
Concen: 105.111 ug/l  
RT: 5.795 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

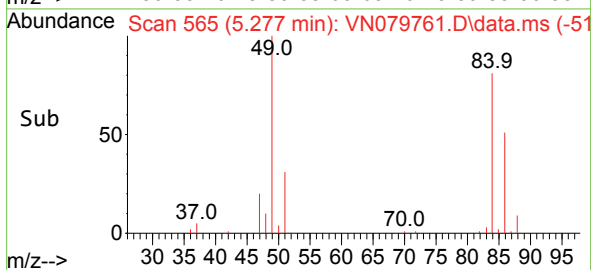
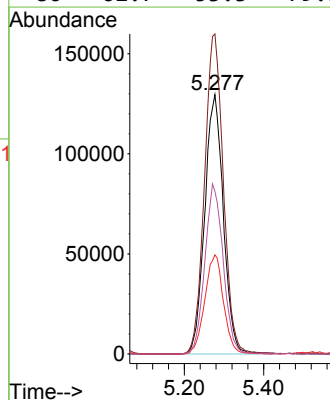
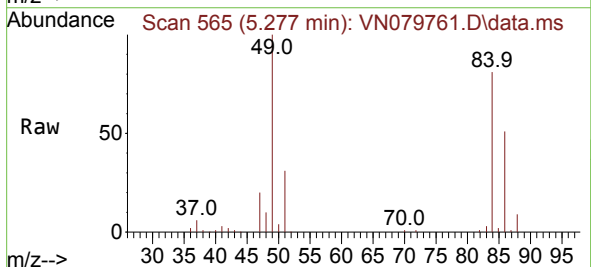
Instrument :  
MSVOA\_N  
ClientSampleId :

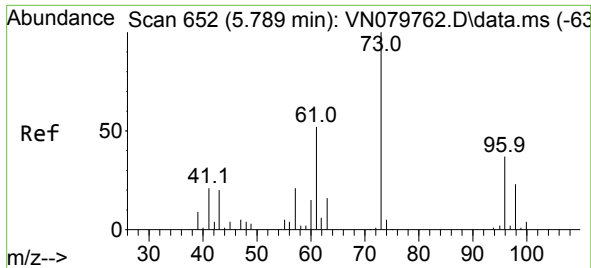
Tgt Ion: 73 Resp: 1272050  
Ion Ratio Lower Upper  
73 100  
57 22.3 15.6 23.4



#20  
Methylene Chloride  
Concen: 95.972 ug/l  
RT: 5.277 min Scan# 565  
Delta R.T. 0.006 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

Tgt Ion: 84 Resp: 423209  
Ion Ratio Lower Upper  
84 100  
49 123.4 79.7 119.5#  
51 38.2 25.2 37.8#  
86 62.7 53.3 79.9

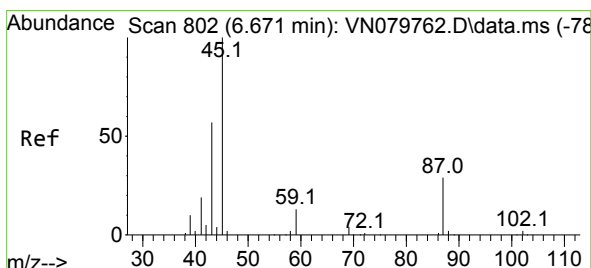
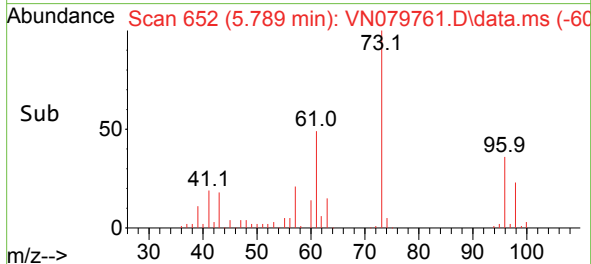
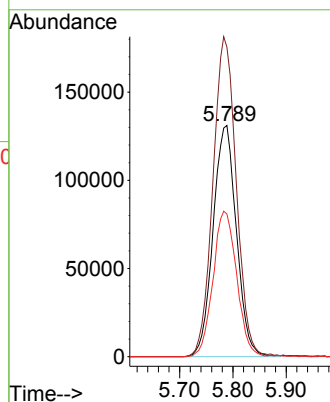
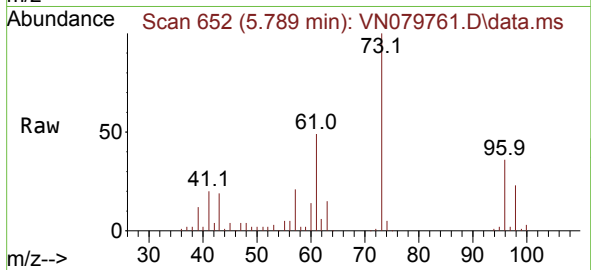




#21  
trans-1,2-Dichloroethene  
Concen: 101.736 ug/l  
RT: 5.789 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

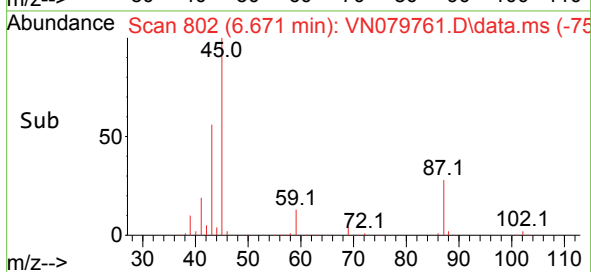
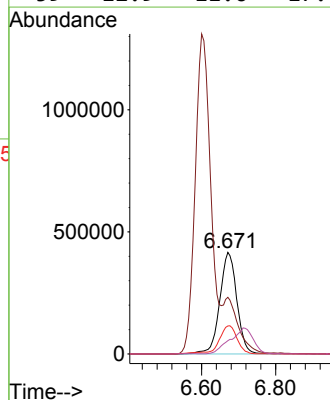
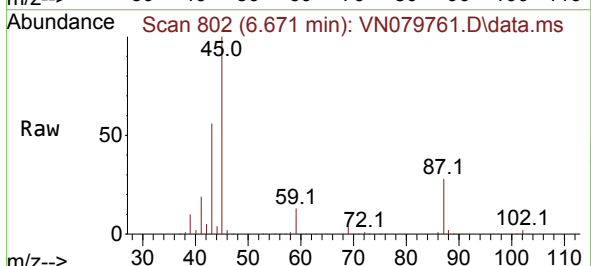
Instrument :  
MSVOA\_N  
ClientSampleId :

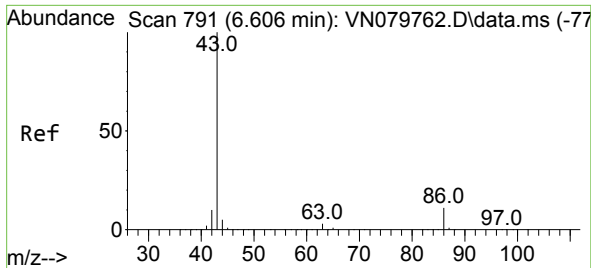
Tgt Ion: 96 Resp: 398839  
Ion Ratio Lower Upper  
96 100  
61 133.8 90.1 135.1  
98 61.7 46.4 69.6



#22  
Diisopropyl ether  
Concen: 106.942 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. -0.006 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

Tgt Ion: 45 Resp: 1334280  
Ion Ratio Lower Upper  
45 100  
43 54.9 45.5 68.3  
87 27.5 31.8 47.8#  
59 12.9 11.6 17.4

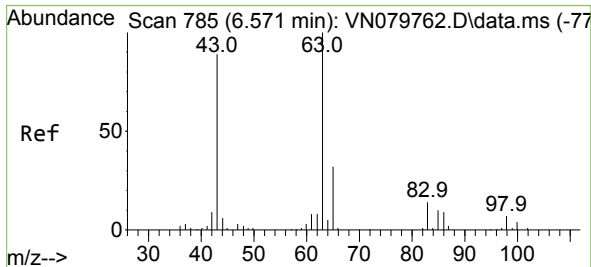
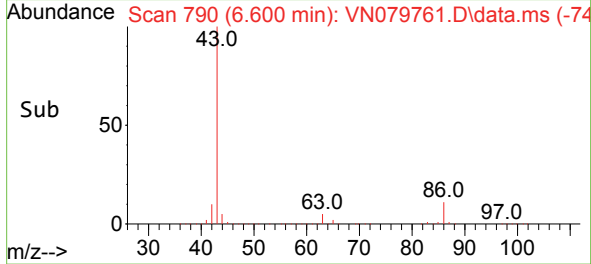
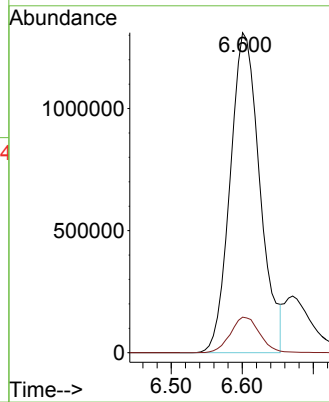
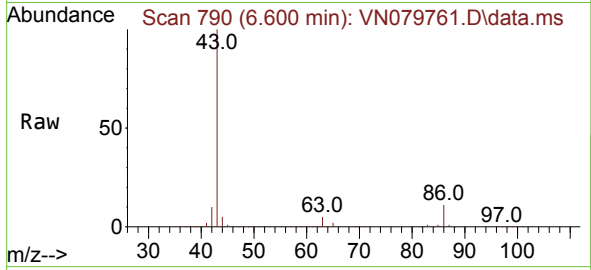




#23  
 Vinyl Acetate  
 Concen: 554.423 ug/l  
 RT: 6.600 min Scan# 791  
 Delta R.T. -0.006 min  
 Lab File: VN079761.D  
 Acq: 01 Nov 2023 10:03

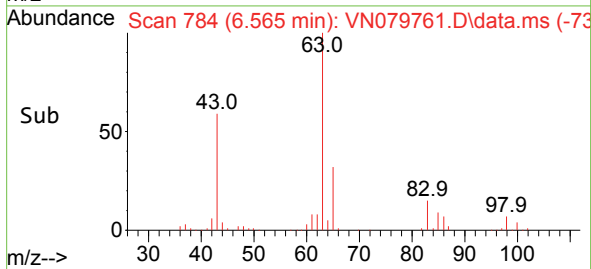
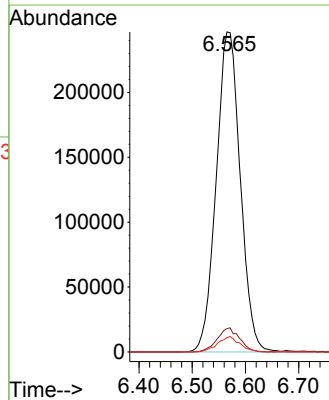
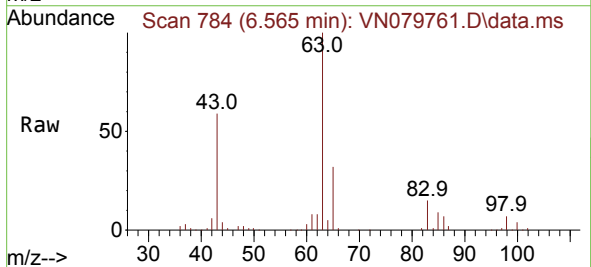
Instrument :  
 MSVOA\_N  
 ClientSampleId :

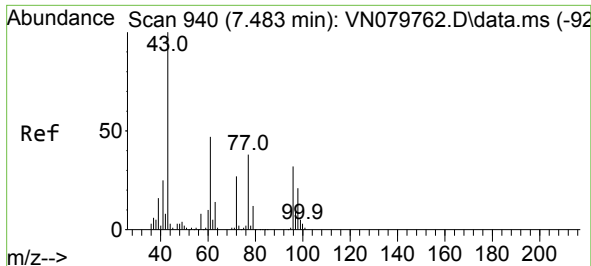
Tgt Ion: 43 Resp: 3815572  
 Ion Ratio Lower Upper  
 43 100  
 86 11.1 13.0 19.6#



#24  
 1,1-Dichloroethane  
 Concen: 101.773 ug/l  
 RT: 6.565 min Scan# 784  
 Delta R.T. -0.006 min  
 Lab File: VN079761.D  
 Acq: 01 Nov 2023 10:03

Tgt Ion: 63 Resp: 771778  
 Ion Ratio Lower Upper  
 63 100  
 98 7.3 3.9 11.7  
 100 4.5 2.5 7.4

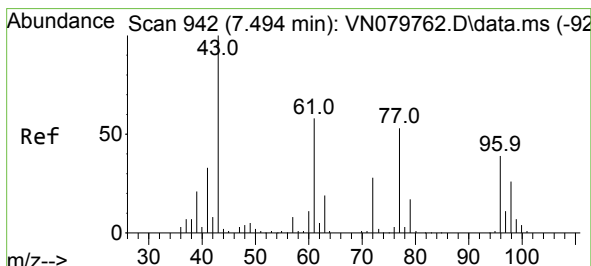
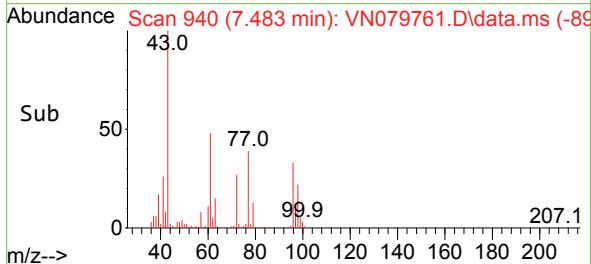
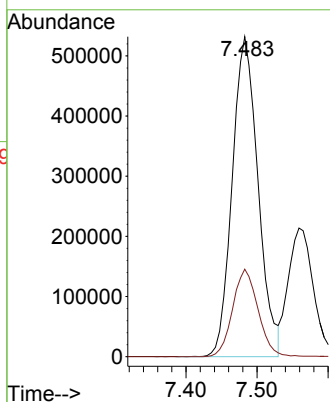
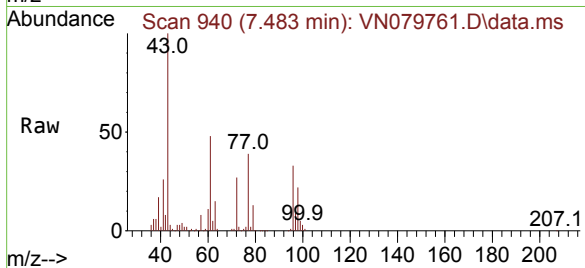




#25  
2-Butanone  
Concen: 526.263 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. -0.006 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

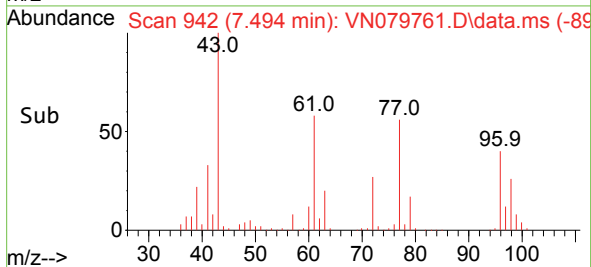
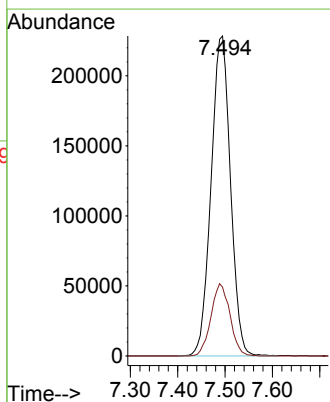
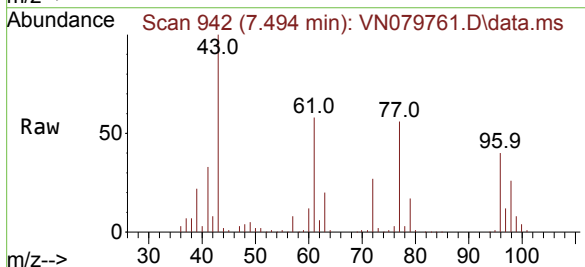
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 43 Resp: 1346785  
Ion Ratio Lower Upper  
43 100  
72 27.4 30.2 45.2#



#26  
2,2-Dichloropropane  
Concen: 103.690 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. 0.006 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

Tgt Ion: 77 Resp: 650303  
Ion Ratio Lower Upper  
77 100  
97 22.1 11.2 33.6

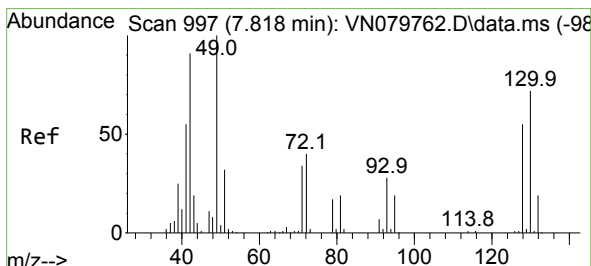
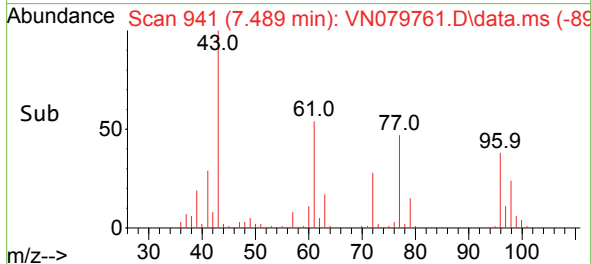
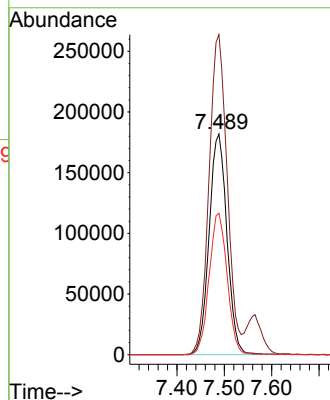
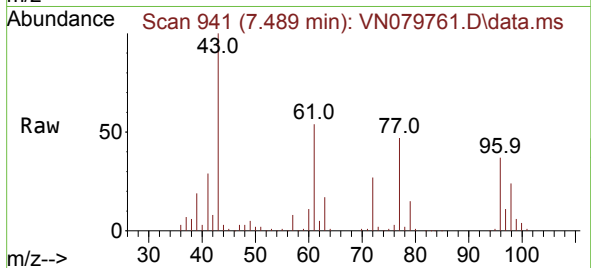




#27  
 cis-1,2-Dichloroethene  
 Concen: 101.637 ug/l  
 RT: 7.489 min Scan# 941  
 Delta R.T. 0.000 min  
 Lab File: VN079761.D  
 Acq: 01 Nov 2023 10:03

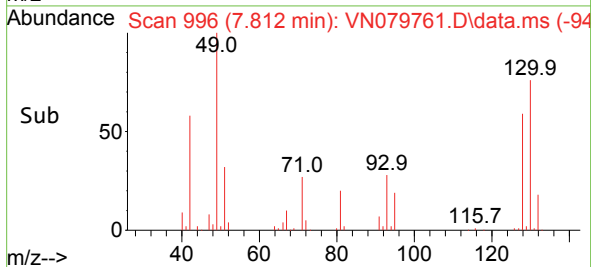
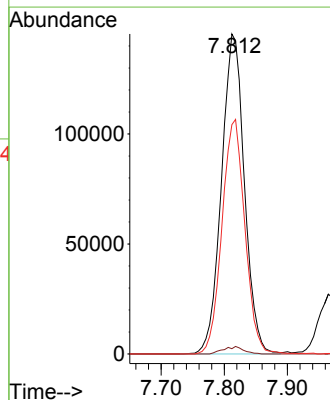
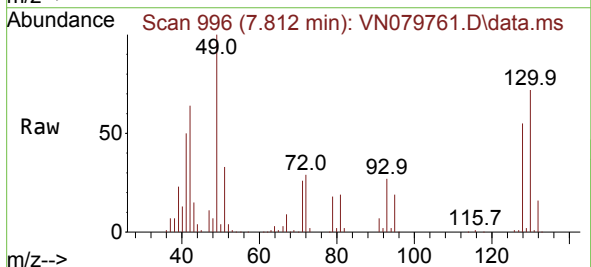
Instrument :  
 MSVOA\_N  
 ClientSampleId :

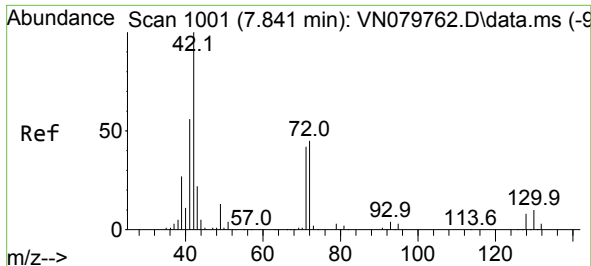
Tgt Ion: 96 Resp: 476620  
 Ion Ratio Lower Upper  
 96 100  
 61 147.1 0.0 255.2  
 98 64.7 0.0 128.8



#28  
 Bromochloromethane  
 Concen: 99.504 ug/l  
 RT: 7.812 min Scan# 996  
 Delta R.T. 0.000 min  
 Lab File: VN079761.D  
 Acq: 01 Nov 2023 10:03

Tgt Ion: 49 Resp: 367730  
 Ion Ratio Lower Upper  
 49 100  
 129 2.1 0.0 4.8  
 130 73.1 75.3 112.9#





#29

Tetrahydrofuran

Concen: 516.069 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

Instrument :

MSVOA\_N

ClientSampleId :

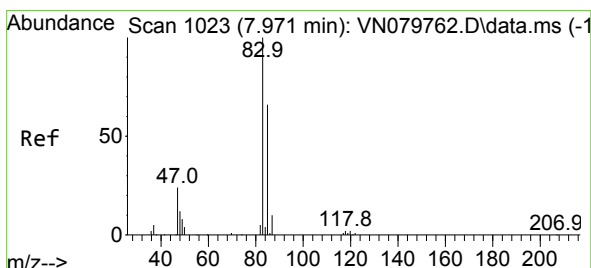
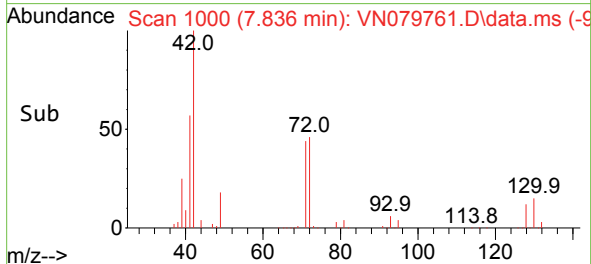
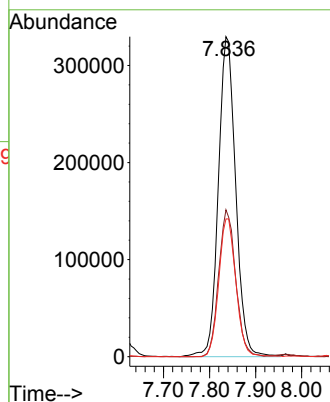
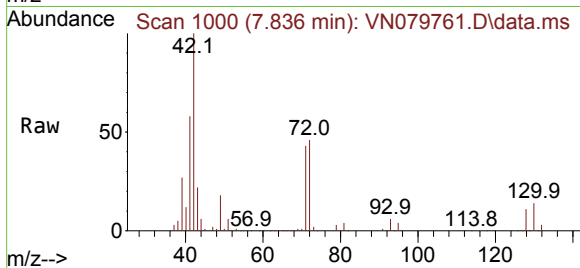
Tgt Ion: 42 Resp: 859263

Ion Ratio Lower Upper

42 100

72 45.0 49.8 74.6#

71 42.6 47.4 71.2#



#30

Chloroform

Concen: 95.057 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.006 min

Lab File: VN079761.D

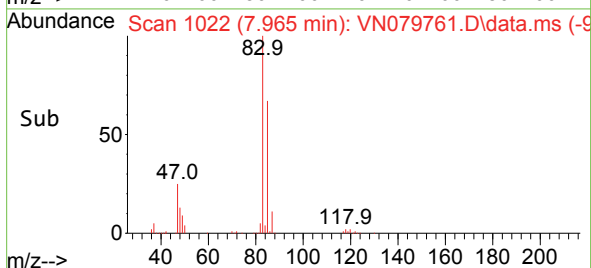
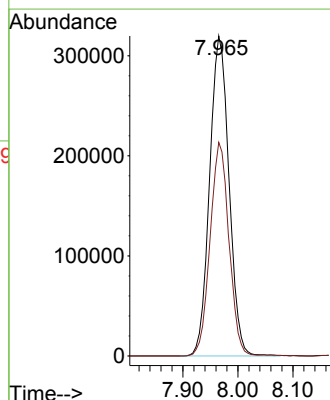
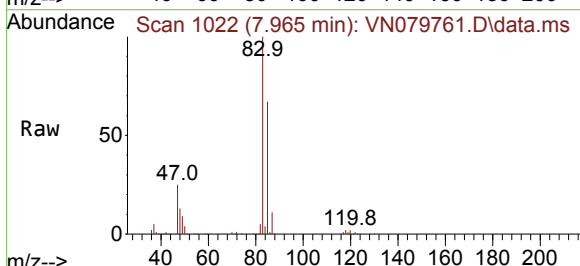
Acq: 01 Nov 2023 10:03

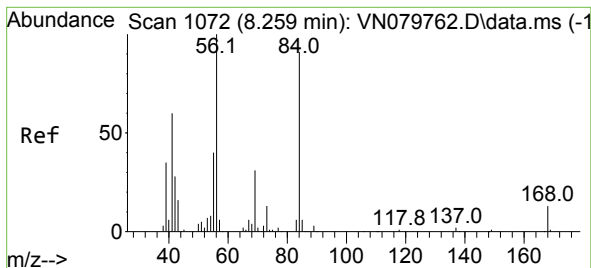
Tgt Ion: 83 Resp: 783008

Ion Ratio Lower Upper

83 100

85 66.7 55.4 83.0





#31

Cyclohexane

Concen: 96.049 ug/l

RT: 8.259 min Scan# 1072

Delta R.T. 0.000 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

Instrument :

MSVOA\_N

ClientSampleId :

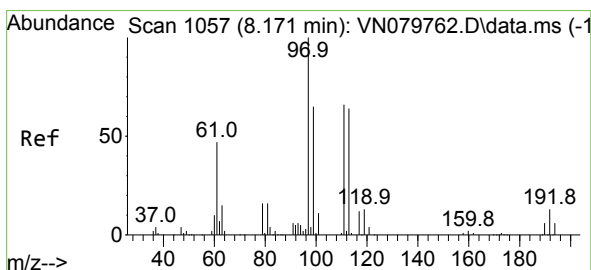
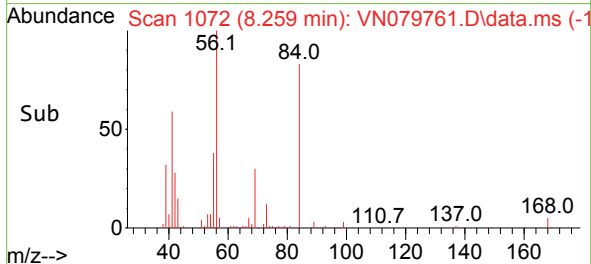
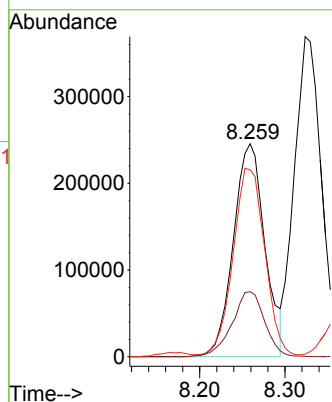
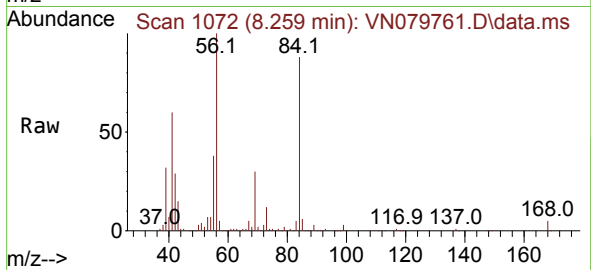
Tgt Ion: 56 Resp: 631465

Ion Ratio Lower Upper

56 100

69 30.5 26.8 40.2

84 85.7 81.8 122.6



#32

1,1,1-Trichloroethane

Concen: 101.298 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

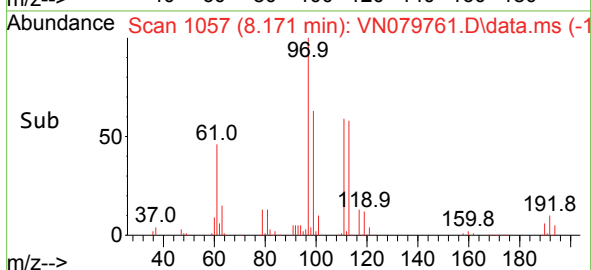
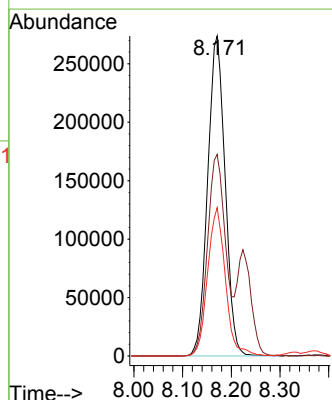
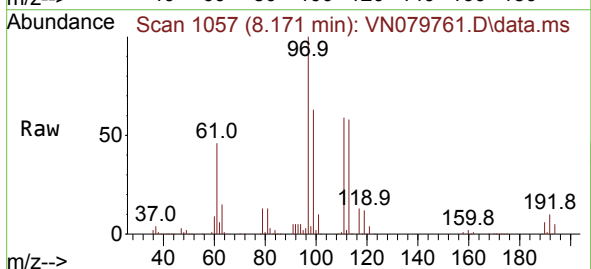
Tgt Ion: 97 Resp: 679883

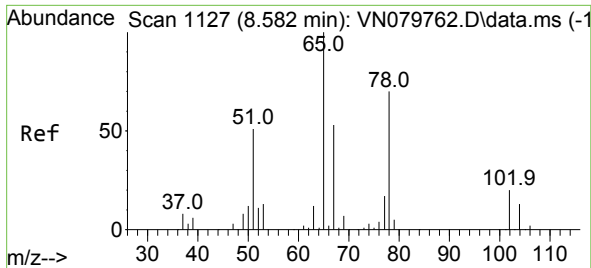
Ion Ratio Lower Upper

97 100

99 64.3 50.3 75.5

61 47.4 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 97.331 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

Instrument :

MSVOA\_N

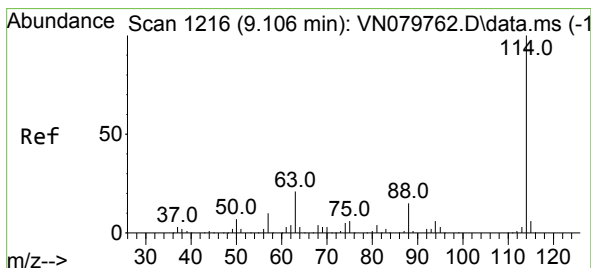
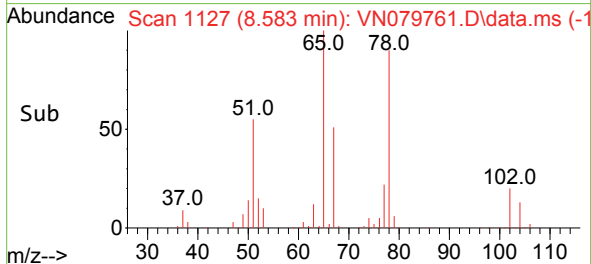
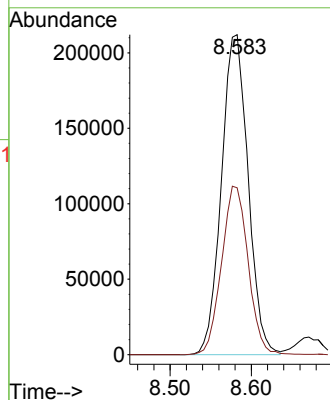
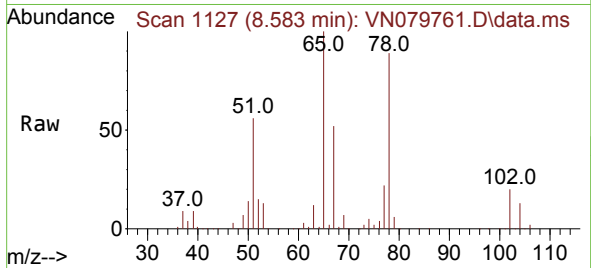
ClientSampleId :

Tgt Ion: 65 Resp: 484251

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

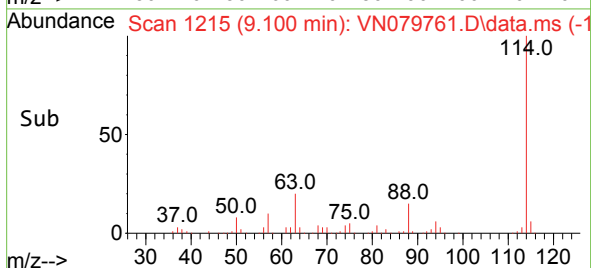
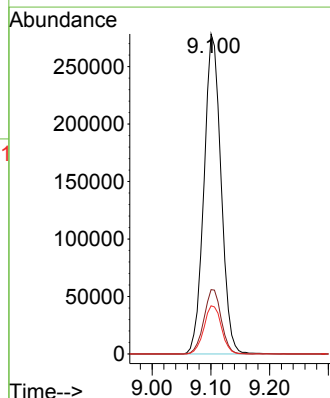
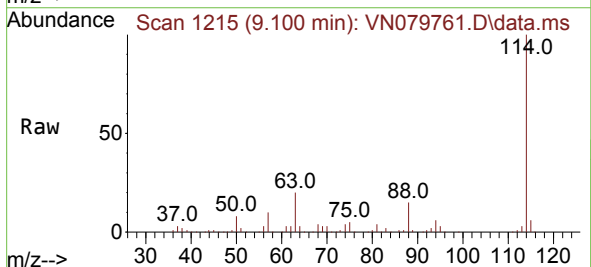
Tgt Ion: 114 Resp: 560565

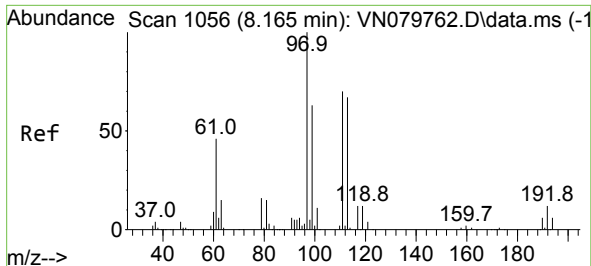
Ion Ratio Lower Upper

114 100

63 20.1 0.0 36.4

88 15.0 0.0 30.6

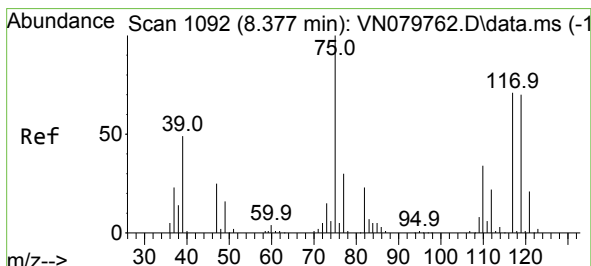
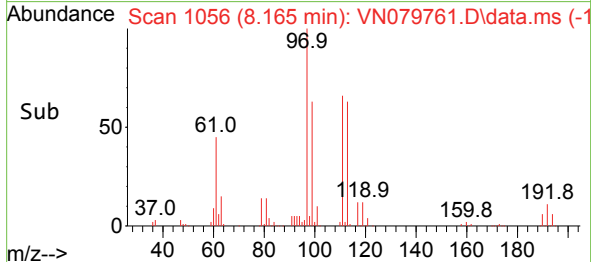
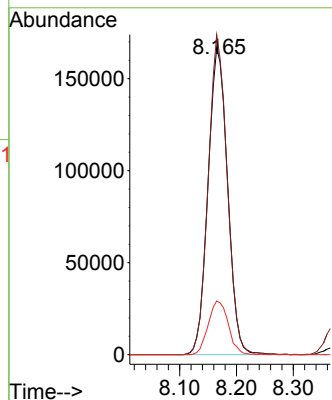
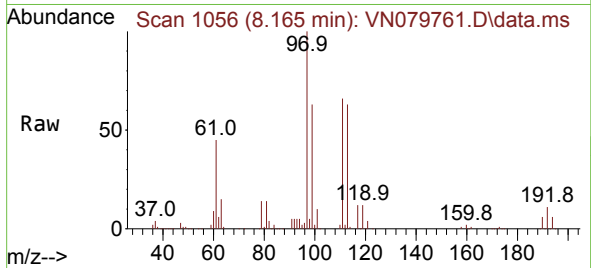




#35  
Dibromofluoromethane  
Concen: 100.551 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.006 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

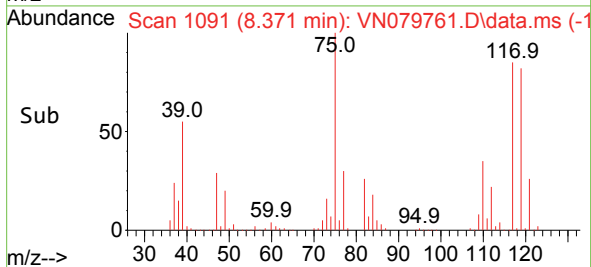
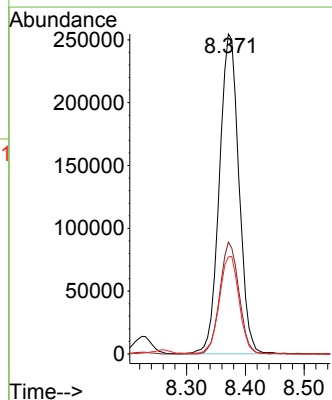
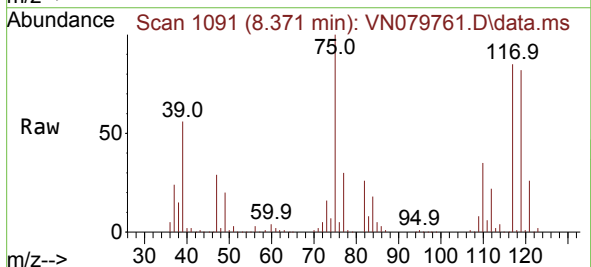
Instrument :  
MSVOA\_N  
ClientSampleId :

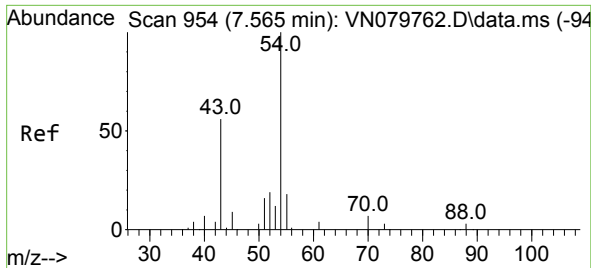
Tgt Ion:113 Resp: 398933  
Ion Ratio Lower Upper  
113 100  
111 101.4 82.6 123.8  
192 17.9 12.7 19.1



#36  
1,1-Dichloropropene  
Concen: 103.305 ug/l  
RT: 8.371 min Scan# 1091  
Delta R.T. -0.006 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

Tgt Ion: 75 Resp: 585208  
Ion Ratio Lower Upper  
75 100  
110 34.2 19.1 57.3  
77 31.3 25.0 37.4

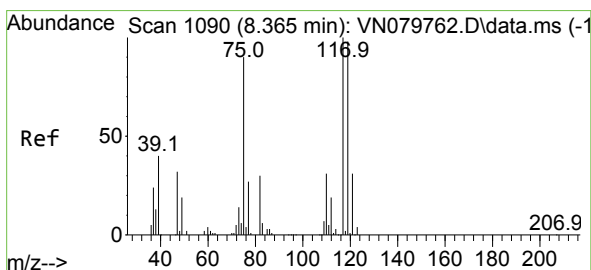
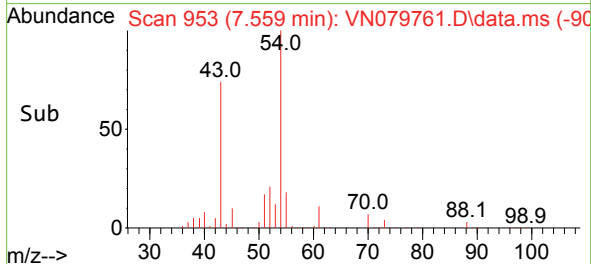
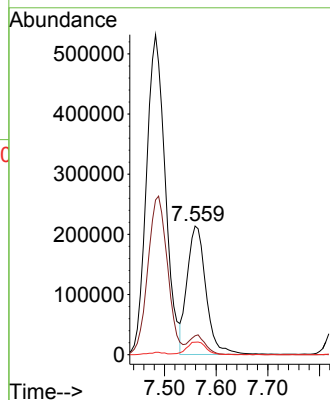
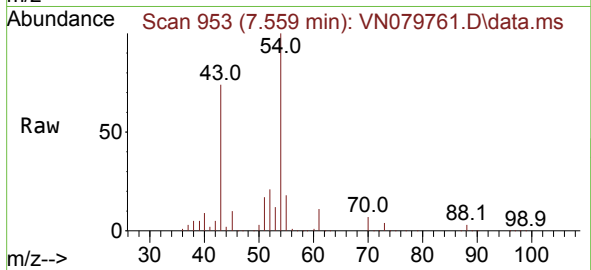




#37  
Ethyl Acetate  
Concen: 103.542 ug/l  
RT: 7.559 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

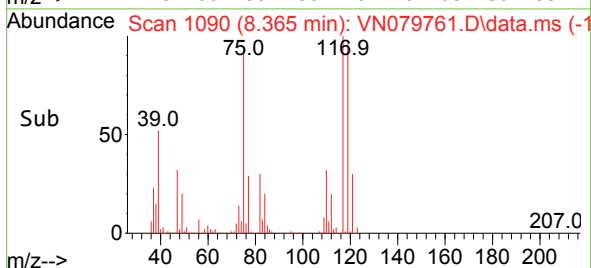
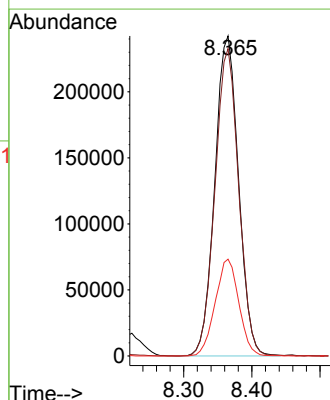
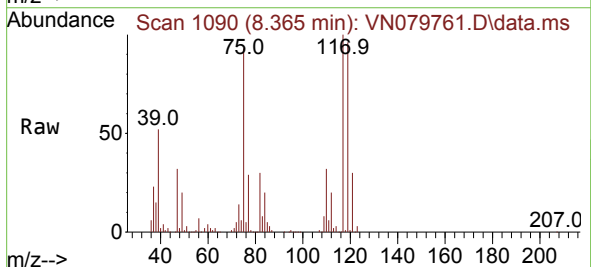
Instrument :  
MSVOA\_N  
ClientSampleId :

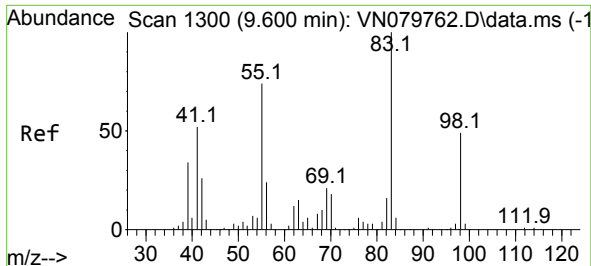
Tgt Ion: 43 Resp: 537936  
Ion Ratio Lower Upper  
43 100  
61 13.8 13.2 19.8  
70 10.2 11.3 16.9#



#38  
Carbon Tetrachloride  
Concen: 102.766 ug/l  
RT: 8.365 min Scan# 1090  
Delta R.T. 0.006 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

Tgt Ion:117 Resp: 586706  
Ion Ratio Lower Upper  
117 100  
119 96.0 77.3 115.9  
121 30.3 23.3 34.9





#39

Methylcyclohexane

Concen: 109.671 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

Instrument :

MSVOA\_N

ClientSampleId :

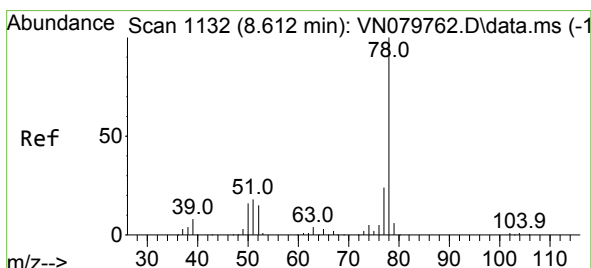
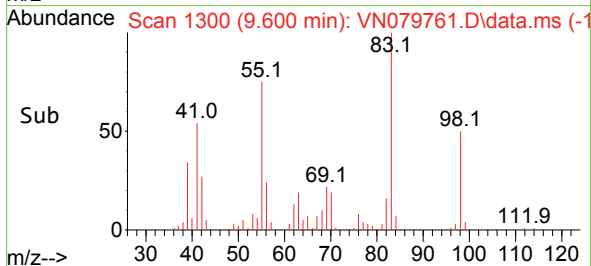
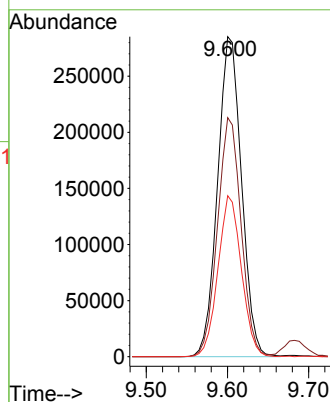
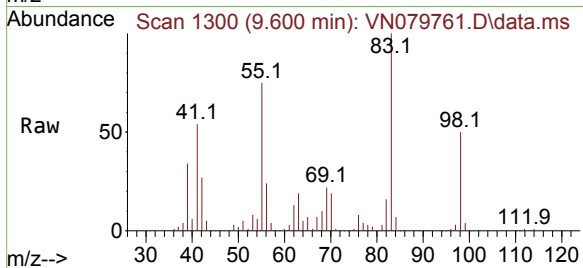
Tgt Ion: 83 Resp: 584675

Ion Ratio Lower Upper

83 100

55 74.7 49.1 73.7#

98 50.3 40.6 61.0



#40

Benzene

Concen: 102.280 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VN079761.D

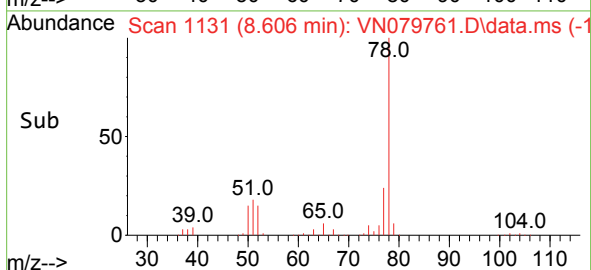
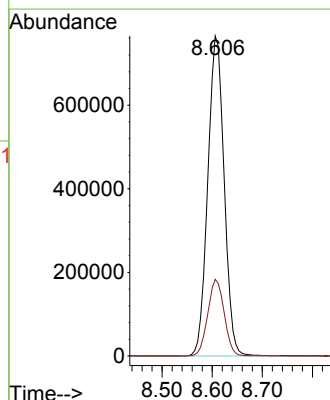
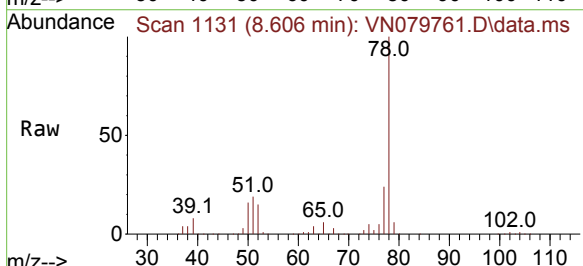
Acq: 01 Nov 2023 10:03

Tgt Ion: 78 Resp: 1735399

Ion Ratio Lower Upper

78 100

77 24.0 19.0 28.6



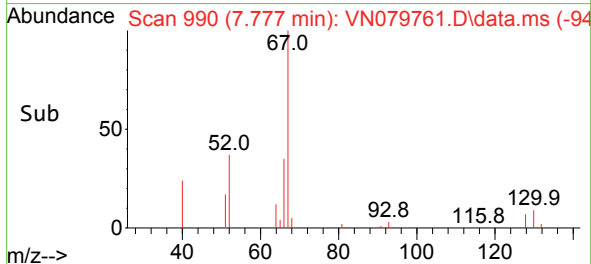
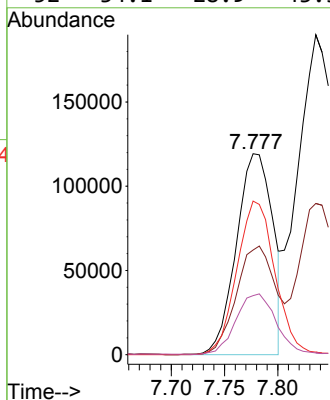
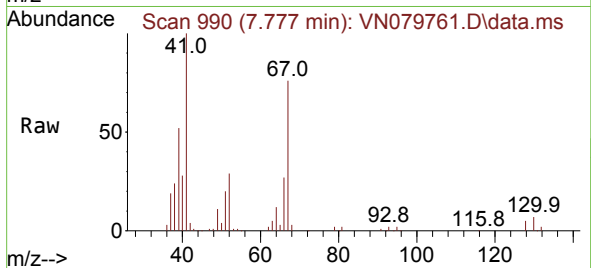


#41  
Methacrylonitrile  
Concen: 102.530 ug/l  
RT: 7.777 min Scan# 990  
Delta R.T. -0.006 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 41 Resp: 282864

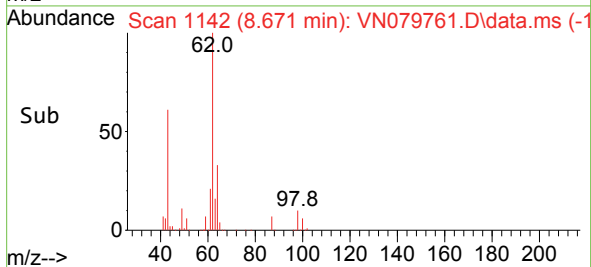
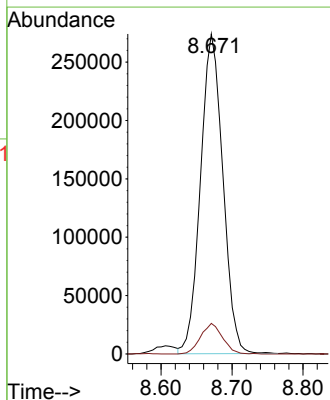
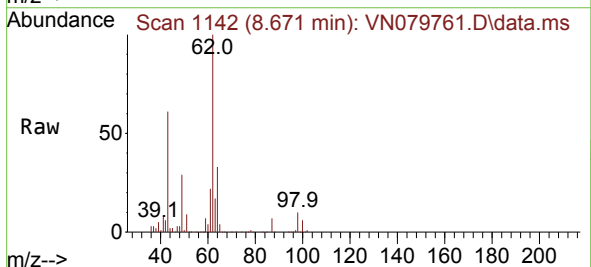
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 58.8  | 42.6  | 64.0  |
| 67  | 80.9  | 77.5  | 116.3 |
| 52  | 34.1  | 28.9  | 43.3  |

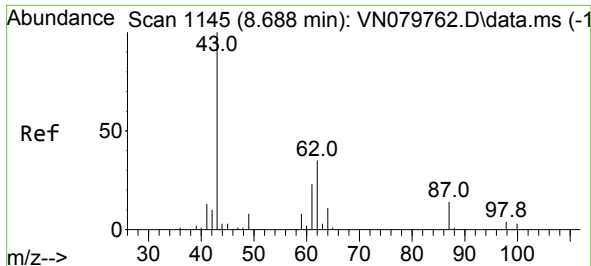


#42  
1,2-Dichloroethane  
Concen: 101.327 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. 0.000 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

Tgt Ion: 62 Resp: 600533

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 9.3   | 0.0   | 19.8  |

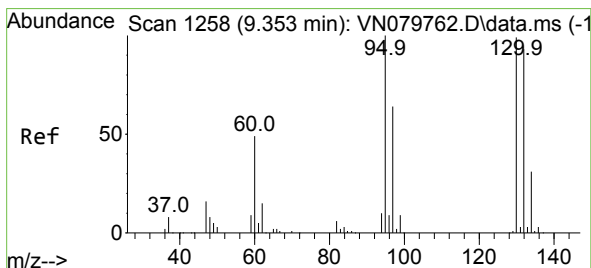
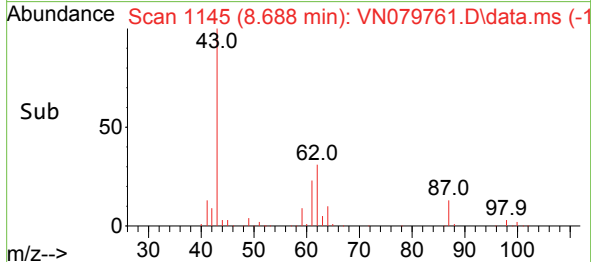
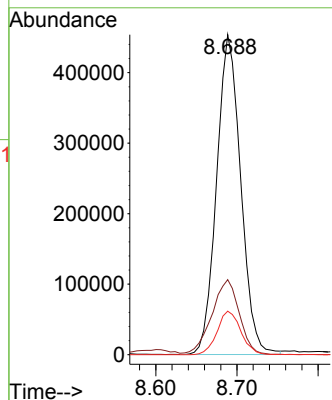
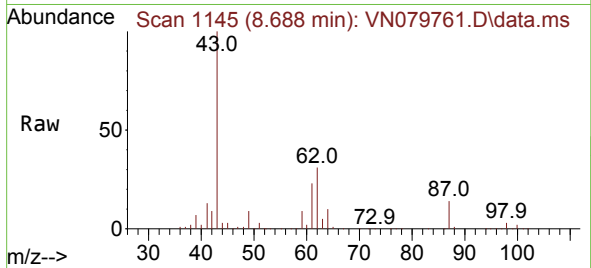




#43  
Isopropyl Acetate  
Concen: 102.870 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

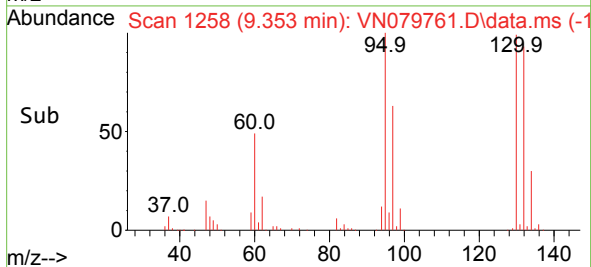
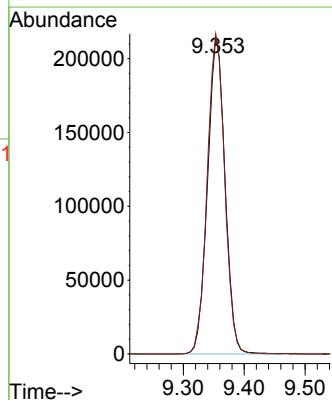
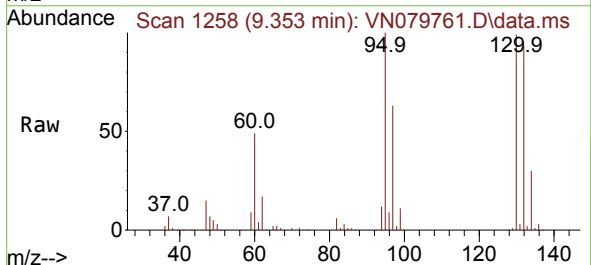
Instrument :  
MSVOA\_N  
ClientSampleId :

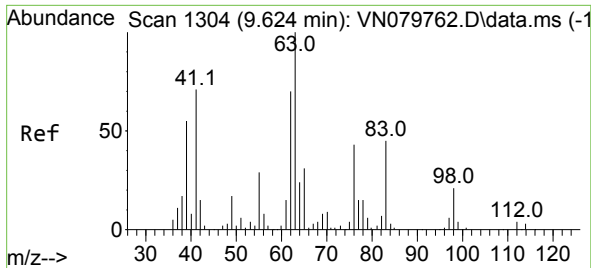
Tgt Ion: 43 Resp: 937259  
Ion Ratio Lower Upper  
43 100  
61 26.6 24.7 37.1  
87 13.4 14.6 21.8#



#44  
Trichloroethene  
Concen: 101.610 ug/l  
RT: 9.353 min Scan# 1258  
Delta R.T. 0.000 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

Tgt Ion:130 Resp: 427806  
Ion Ratio Lower Upper  
130 100  
95 101.0 0.0 204.6

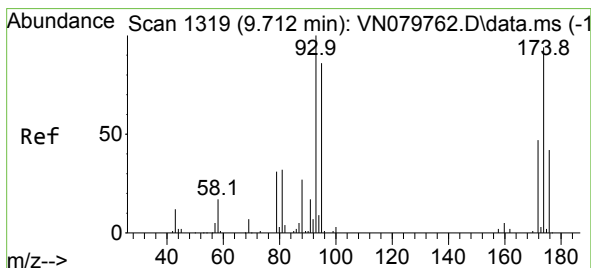
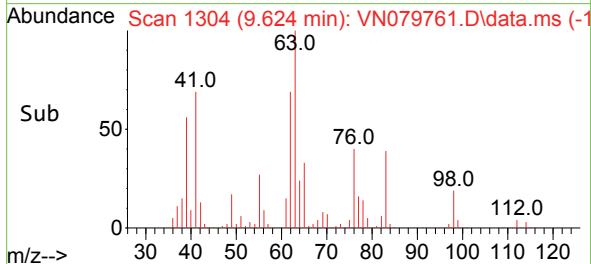
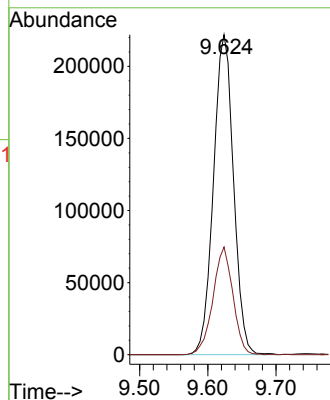
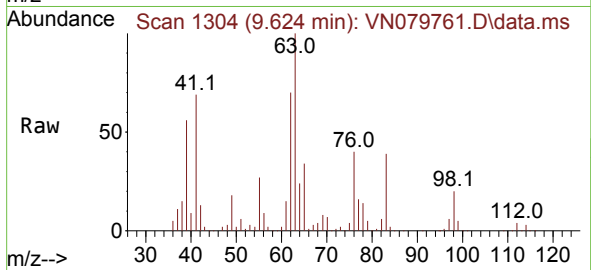




#45  
1,2-Dichloropropane  
Concen: 104.917 ug/l  
RT: 9.624 min Scan# 1304  
Delta R.T. 0.000 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

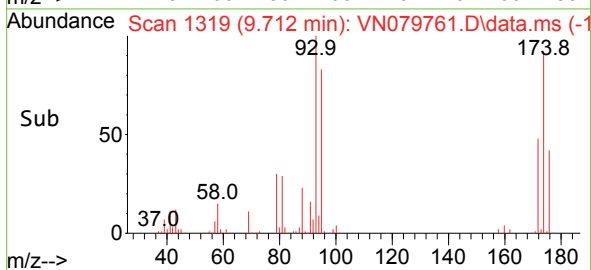
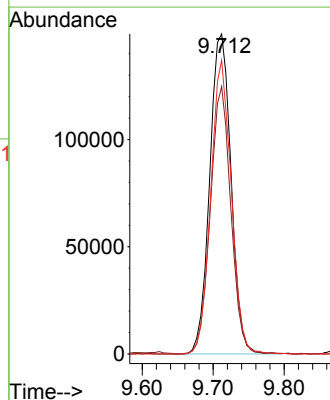
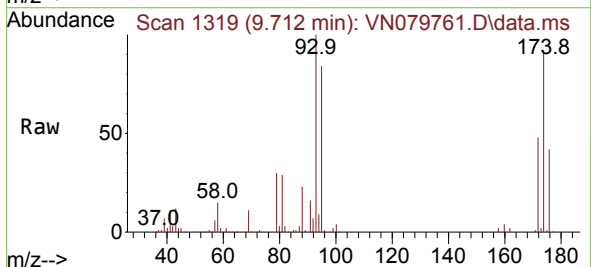
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 63 Resp: 454924  
Ion Ratio Lower Upper  
63 100  
65 33.6 23.9 35.9



#46  
Dibromomethane  
Concen: 105.123 ug/l  
RT: 9.712 min Scan# 1319  
Delta R.T. 0.000 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

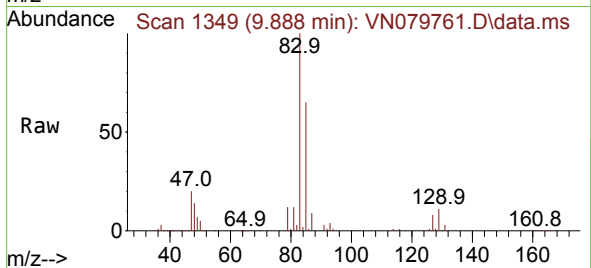
Tgt Ion: 93 Resp: 311238  
Ion Ratio Lower Upper  
93 100  
95 80.2 63.8 95.8  
174 88.3 65.6 98.4



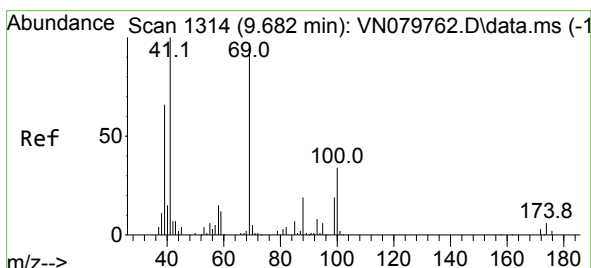
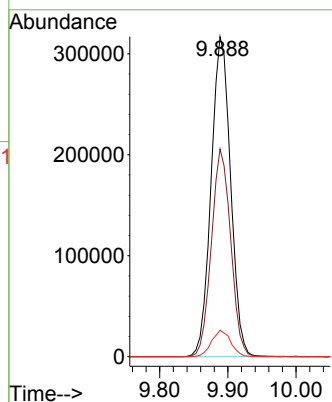
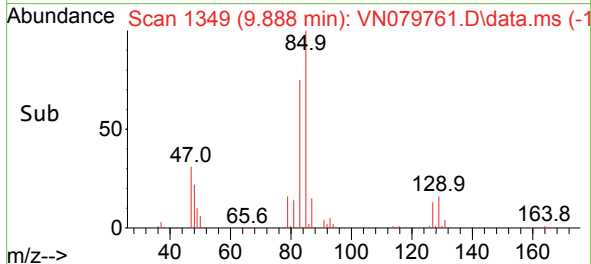


#47  
Bromodichloromethane  
Concen: 99.760 ug/l  
RT: 9.888 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

Instrument :  
MSVOA\_N  
ClientSampleId :

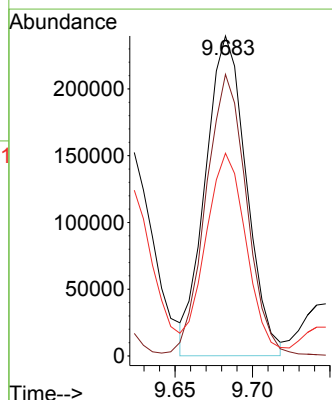
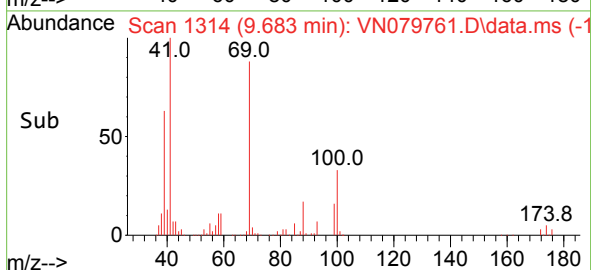
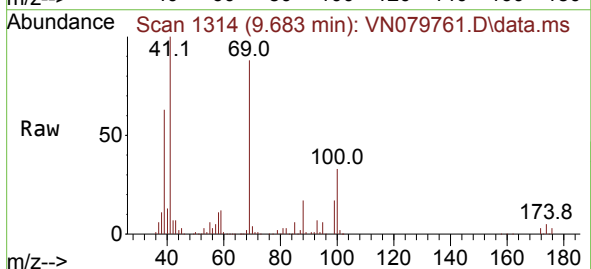


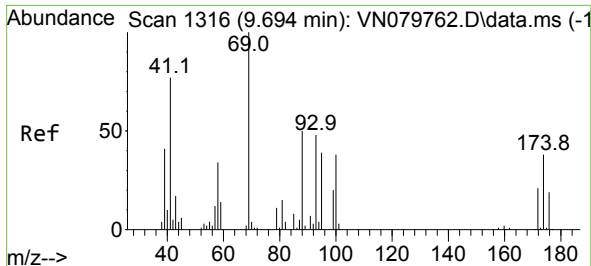
Tgt Ion: 83 Resp: 629905  
Ion Ratio Lower Upper  
83 100  
85 64.9 49.6 74.4  
127 8.2 7.0 10.6



#48  
Methyl methacrylate  
Concen: 110.315 ug/l  
RT: 9.683 min Scan# 1314  
Delta R.T. 0.000 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

Tgt Ion: 41 Resp: 440242  
Ion Ratio Lower Upper  
41 100  
69 88.5 90.4 135.6#  
39 63.6 54.6 81.8





#49

1,4-Dioxane

Concen: 2035.782 ug/l

RT: 9.694 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

Instrument :

MSVOA\_N

ClientSampleId :

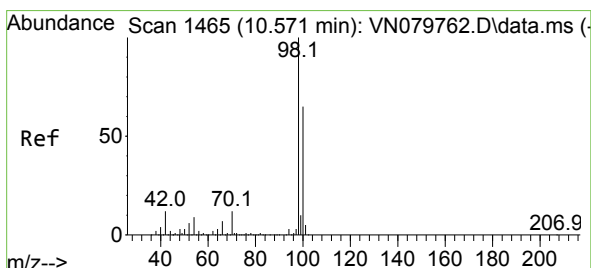
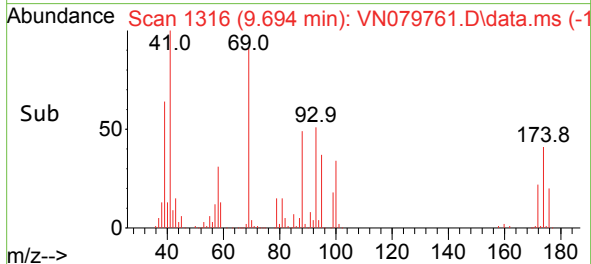
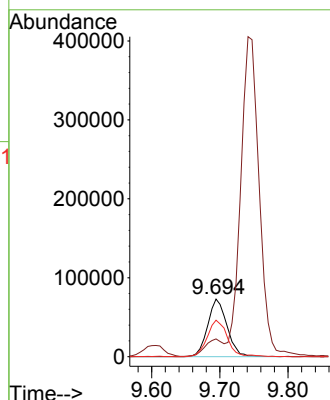
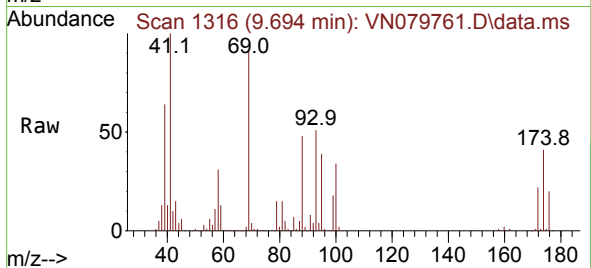
Tgt Ion: 88 Resp: 143556

Ion Ratio Lower Upper

88 100

43 27.9 17.0 25.6#

58 66.8 47.0 70.4



#50

Toluene-d8

Concen: 102.744 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079761.D

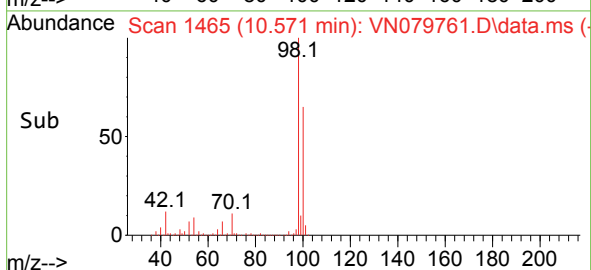
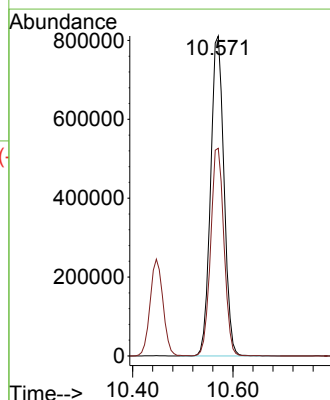
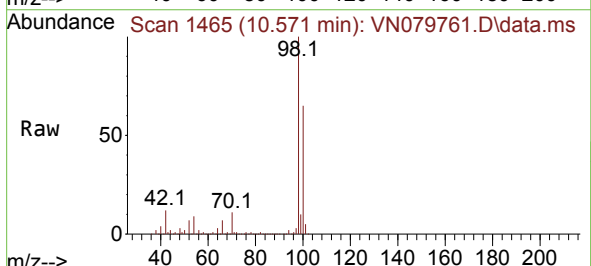
Acq: 01 Nov 2023 10:03

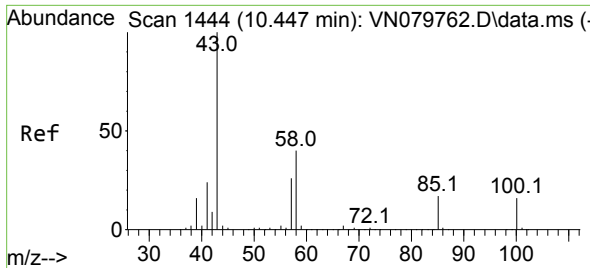
Tgt Ion: 98 Resp: 1500645

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0

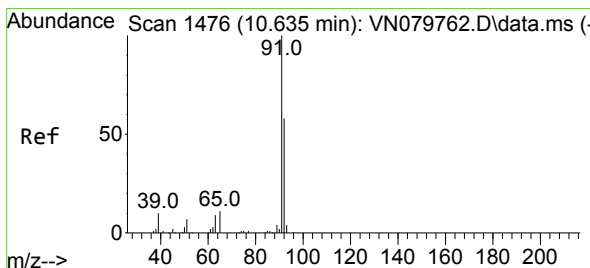
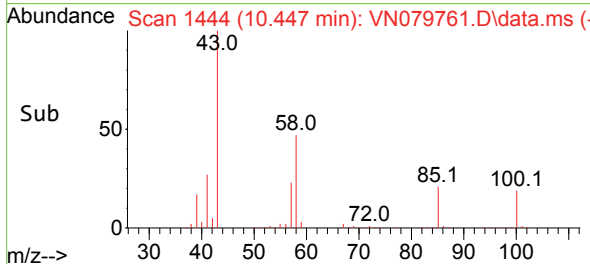
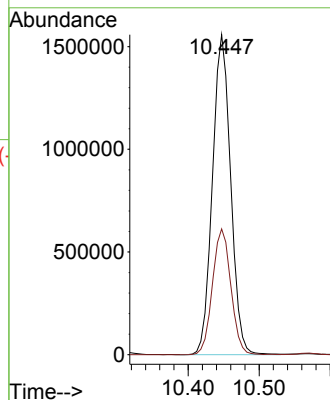
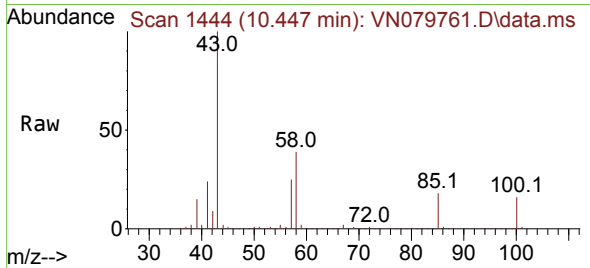




#51  
4-Methyl-2-Pentanone  
Concen: 539.637 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

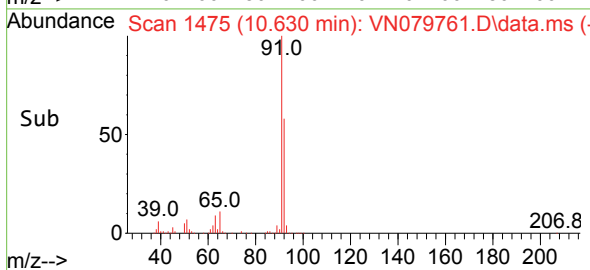
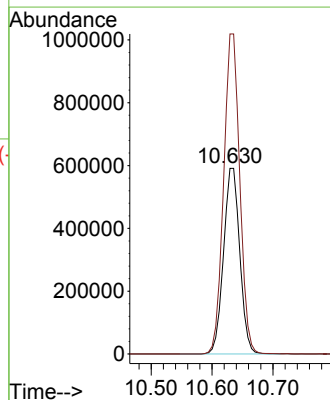
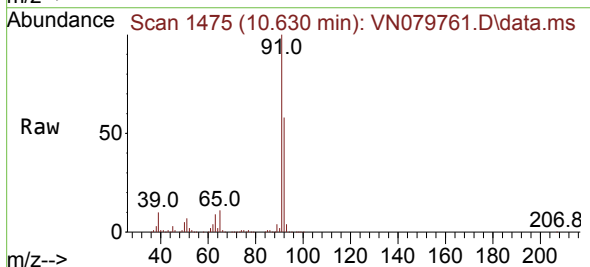
Instrument :  
MSVOA\_N  
ClientSampleId :

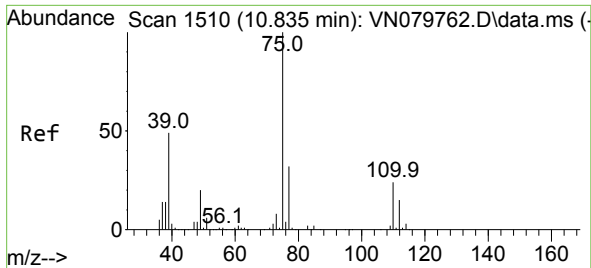
Tgt Ion: 43 Resp: 2768043  
Ion Ratio Lower Upper  
43 100  
58 39.8 36.6 54.8



#52  
Toluene  
Concen: 108.605 ug/l  
RT: 10.630 min Scan# 1475  
Delta R.T. -0.006 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

Tgt Ion: 92 Resp: 1092435  
Ion Ratio Lower Upper  
92 100  
91 171.5 137.4 206.0

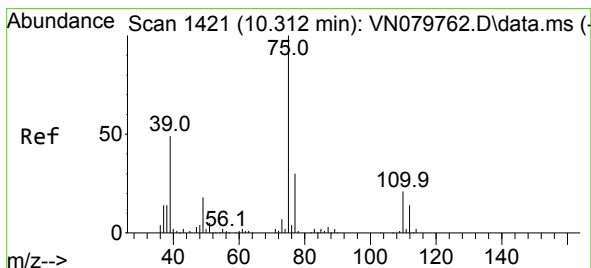
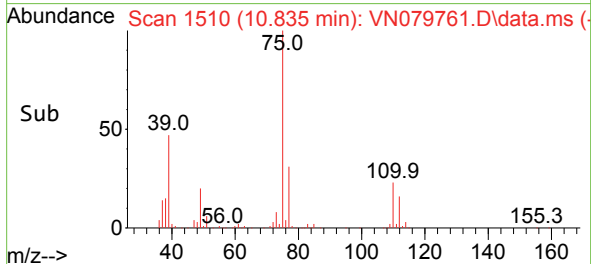
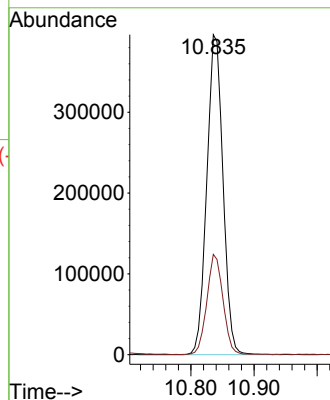
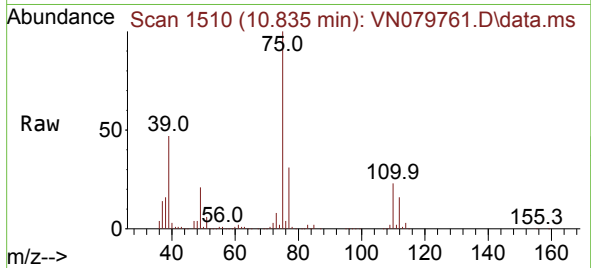




#53  
 t-1,3-Dichloropropene  
 Concen: 113.831 ug/l  
 RT: 10.835 min Scan# 1510  
 Delta R.T. -0.006 min  
 Lab File: VN079761.D  
 Acq: 01 Nov 2023 10:03

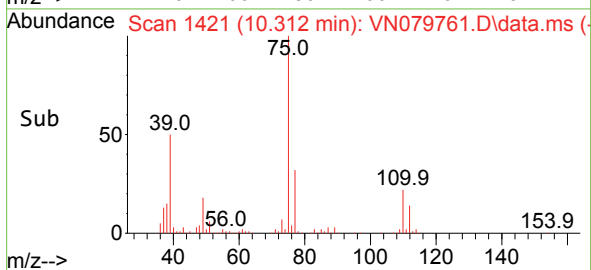
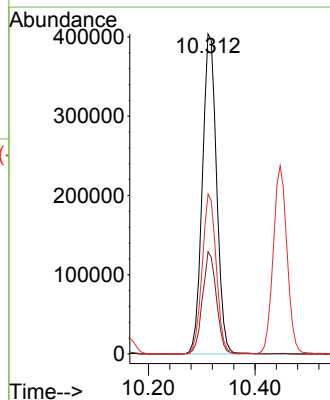
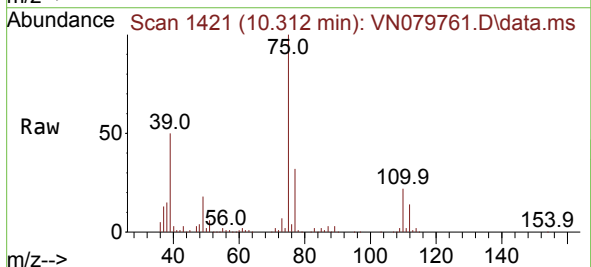
Instrument :  
 MSVOA\_N  
 ClientSampleId :

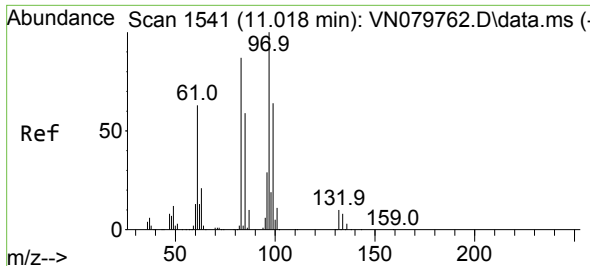
Tgt Ion: 75 Resp: 704613  
 Ion Ratio Lower Upper  
 75 100  
 77 31.3 25.4 38.0



#54  
 cis-1,3-Dichloropropene  
 Concen: 110.898 ug/l  
 RT: 10.312 min Scan# 1421  
 Delta R.T. -0.006 min  
 Lab File: VN079761.D  
 Acq: 01 Nov 2023 10:03

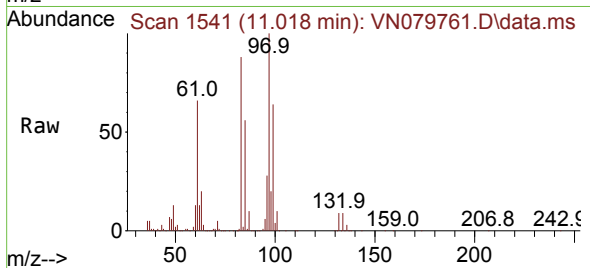
Tgt Ion: 75 Resp: 748221  
 Ion Ratio Lower Upper  
 75 100  
 77 31.9 26.1 39.1  
 39 49.9 31.6 47.4#





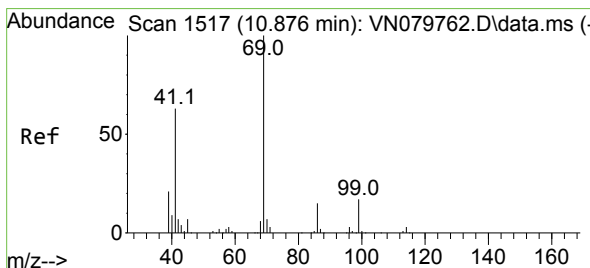
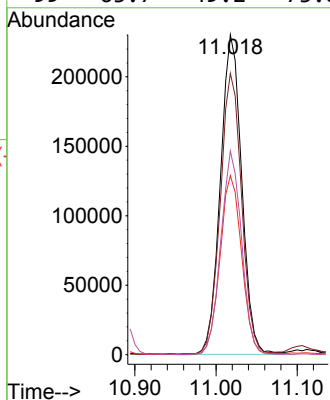
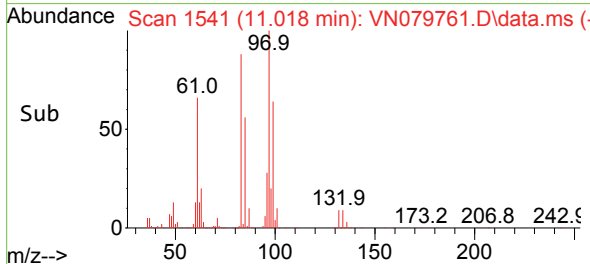
#55  
1,1,2-Trichloroethane  
Concen: 103.759 ug/l  
RT: 11.018 min Scan# 1541  
Delta R.T. 0.000 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

Instrument :  
MSVOA\_N  
ClientSampleId :



Tgt Ion: 97 Resp: 419791

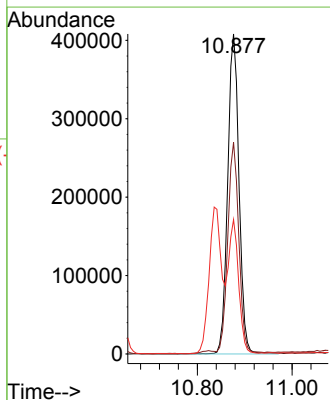
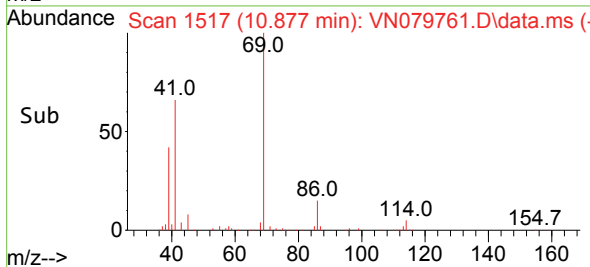
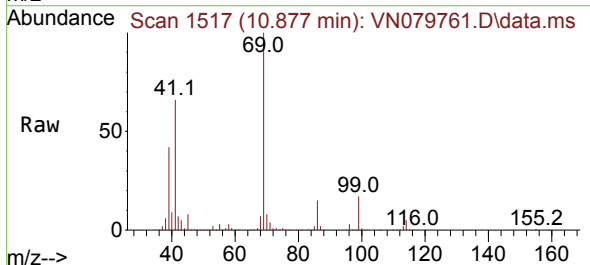
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 87.9  | 65.1  | 97.7  |
| 85  | 55.9  | 43.4  | 65.2  |
| 99  | 63.7  | 49.2  | 73.8  |

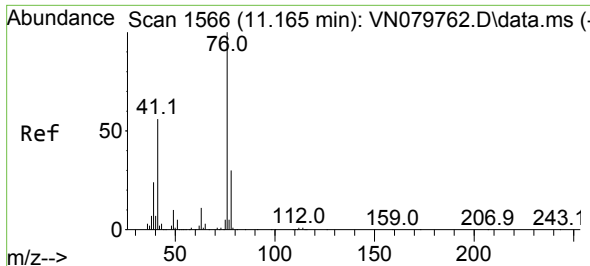


#56  
Ethyl methacrylate  
Concen: 117.510 ug/l  
RT: 10.877 min Scan# 1517  
Delta R.T. 0.000 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

Tgt Ion: 69 Resp: 678142

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 63.5  | 39.6  | 59.4# |
| 39  | 36.8  | 28.6  | 43.0  |





#57

1,3-Dichloropropane

Concen: 105.473 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. 0.000 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

Instrument :

MSVOA\_N

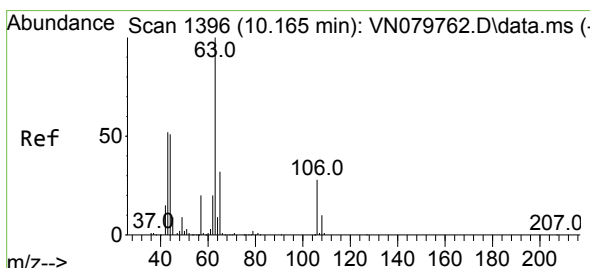
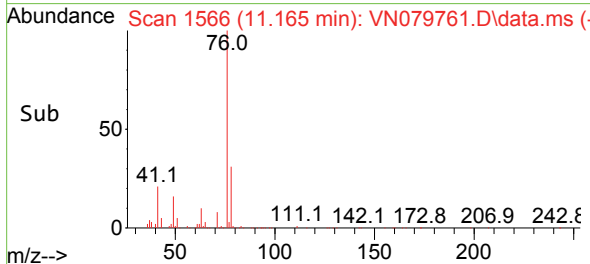
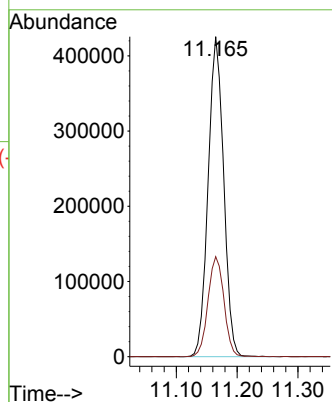
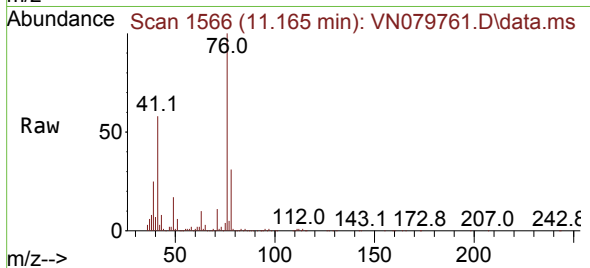
ClientSampleId :

Tgt Ion: 76 Resp: 752169

Ion Ratio Lower Upper

76 100

78 32.2 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 571.687 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. 0.000 min

Lab File: VN079761.D

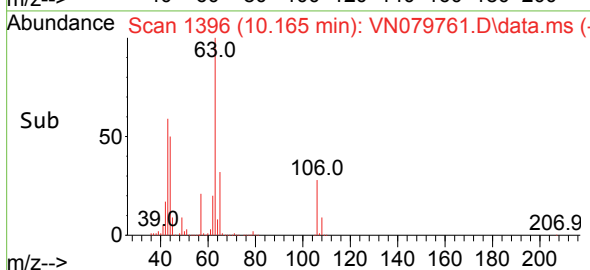
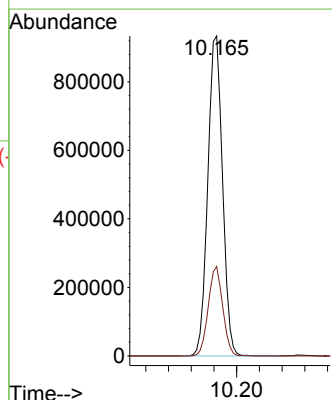
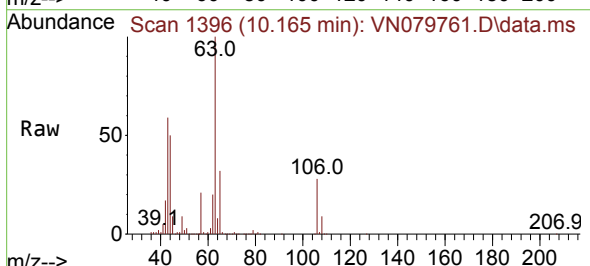
Acq: 01 Nov 2023 10:03

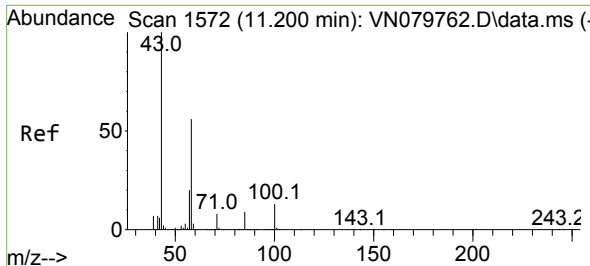
Tgt Ion: 63 Resp: 1672143

Ion Ratio Lower Upper

63 100

106 27.4 26.2 39.4

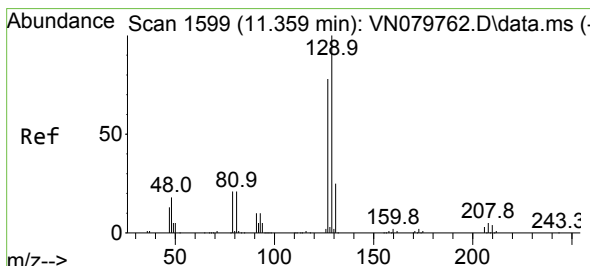
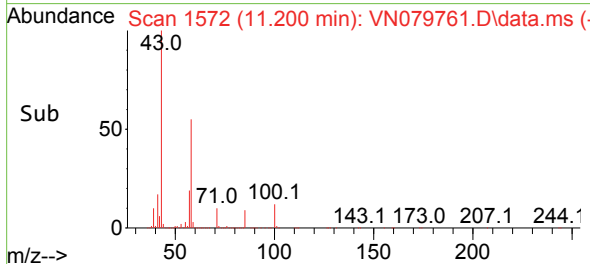
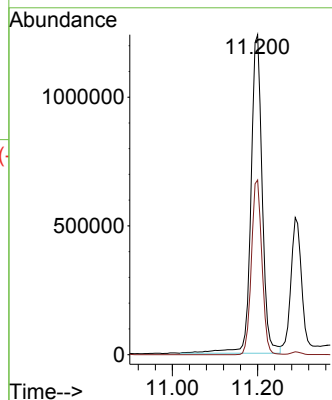
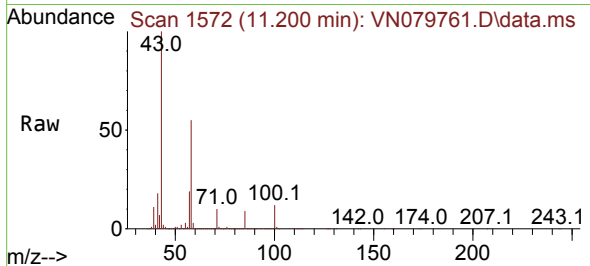




#59  
2-Hexanone  
Concen: 576.011 ug/l  
RT: 11.200 min Scan# 1572  
Delta R.T. 0.000 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

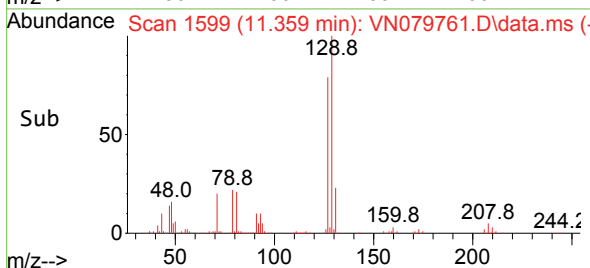
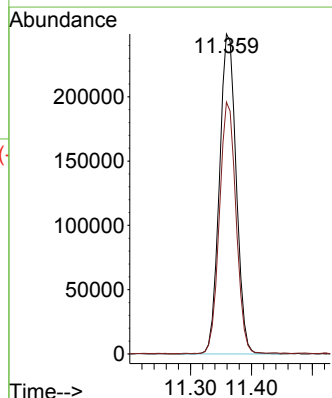
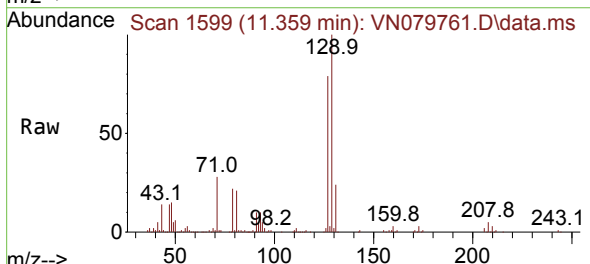
Instrument :  
MSVOA\_N  
ClientSampleId :

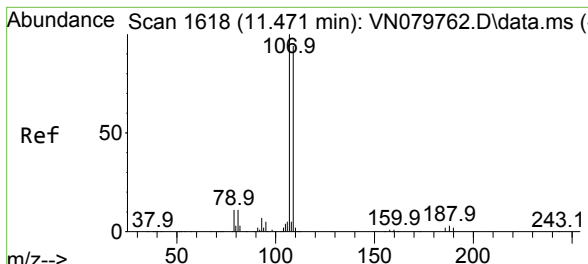
Tgt Ion: 43 Resp: 2260282  
Ion Ratio Lower Upper  
43 100  
58 51.3 31.7 95.1



#60  
Dibromochloromethane  
Concen: 109.625 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. -0.006 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

Tgt Ion: 129 Resp: 474748  
Ion Ratio Lower Upper  
129 100  
127 78.1 38.6 116.0

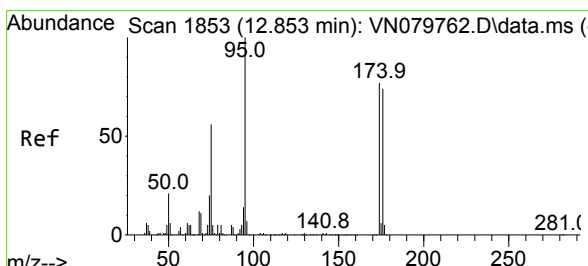
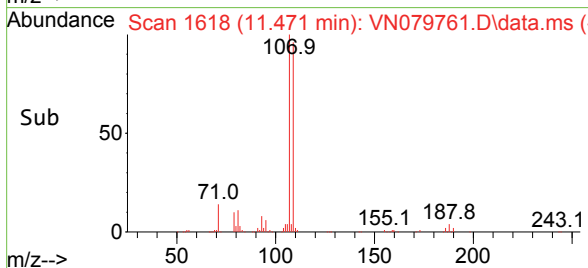
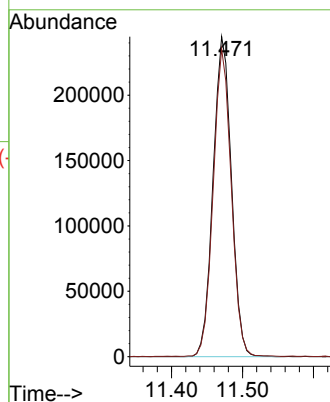
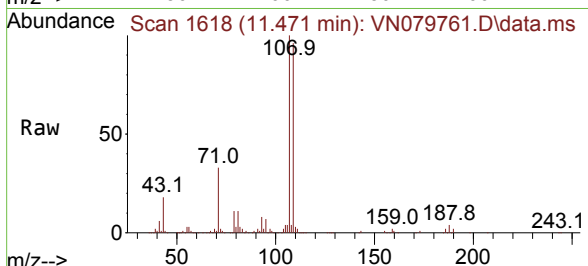




#61  
 1,2-Dibromoethane  
 Concen: 107.867 ug/l  
 RT: 11.471 min Scan# 1618  
 Delta R.T. 0.000 min  
 Lab File: VN079761.D  
 Acq: 01 Nov 2023 10:03

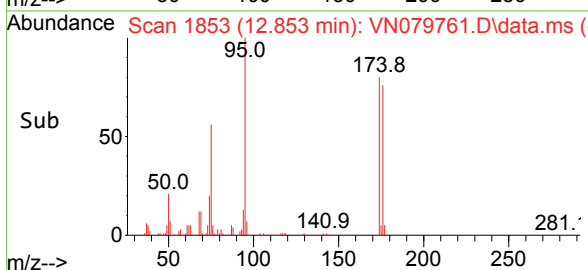
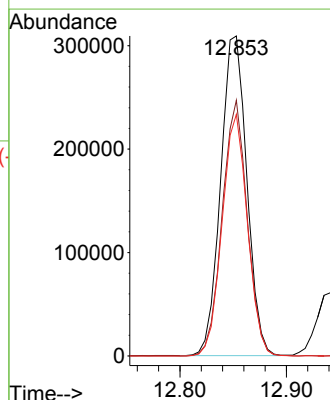
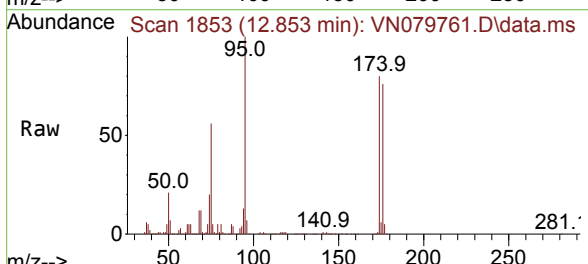
Instrument :  
 MSVOA\_N  
 ClientSampleId :

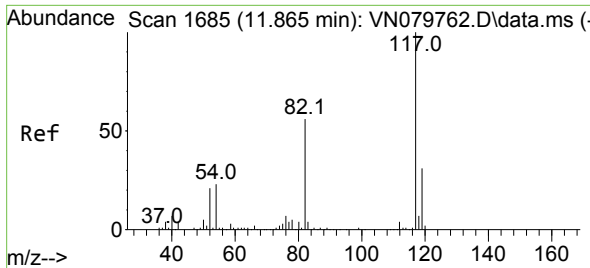
Tgt Ion:107 Resp: 438021  
 Ion Ratio Lower Upper  
 107 100  
 109 94.4 76.6 114.8



#62  
 4-Bromofluorobenzene  
 Concen: 108.981 ug/l  
 RT: 12.853 min Scan# 1853  
 Delta R.T. 0.000 min  
 Lab File: VN079761.D  
 Acq: 01 Nov 2023 10:03

Tgt Ion: 95 Resp: 527900  
 Ion Ratio Lower Upper  
 95 100  
 174 76.4 0.0 143.8  
 176 72.9 0.0 135.8

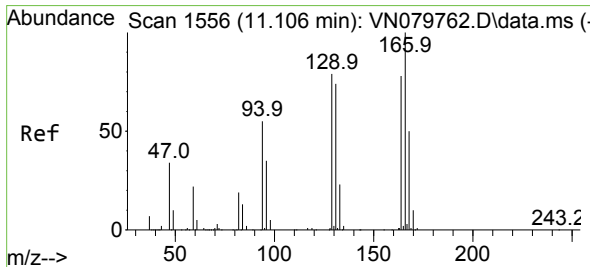
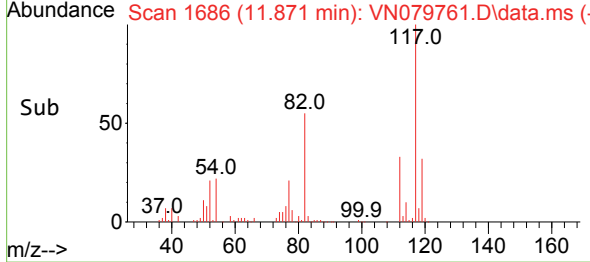
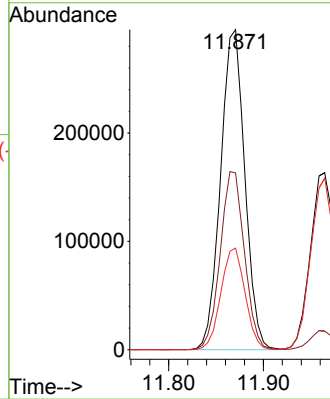
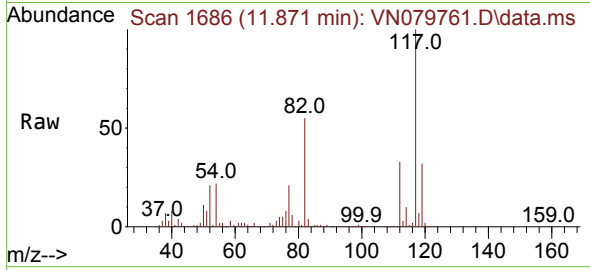




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

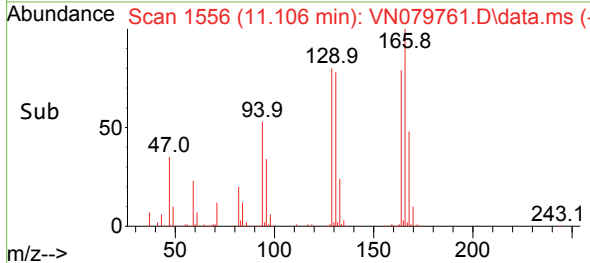
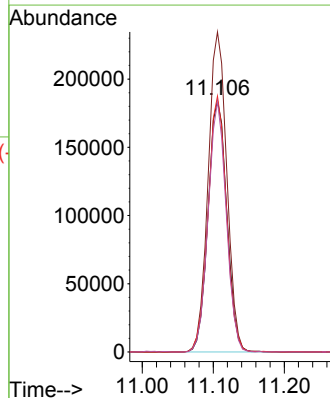
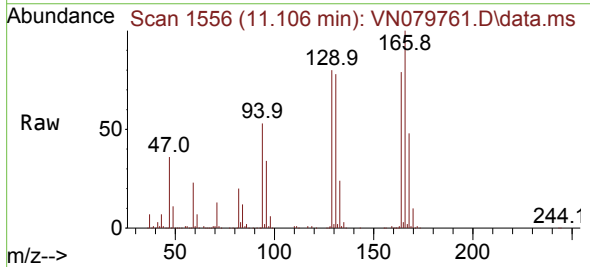
Instrument :  
MSVOA\_N  
ClientSampleId :

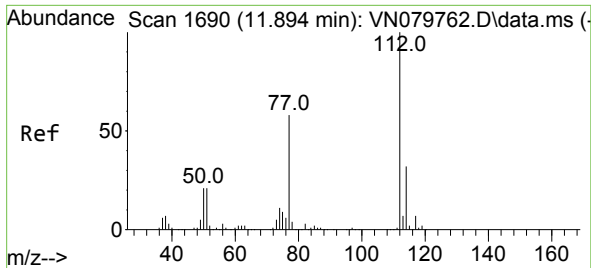
Tgt Ion:117 Resp: 525300  
Ion Ratio Lower Upper  
117 100  
82 55.2 44.0 66.0  
119 31.7 25.6 38.4



#64  
Tetrachloroethene  
Concen: 99.465 ug/l  
RT: 11.106 min Scan# 1556  
Delta R.T. 0.000 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

Tgt Ion:164 Resp: 338392  
Ion Ratio Lower Upper  
164 100  
166 127.2 101.4 152.0  
129 101.7 82.4 123.6  
131 99.6 78.2 117.4

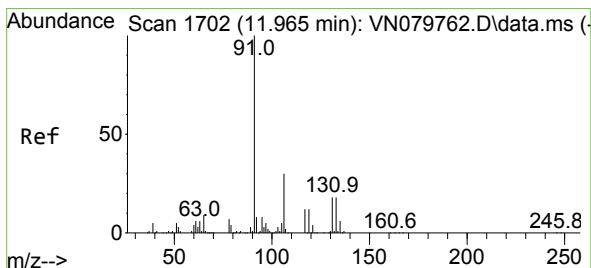
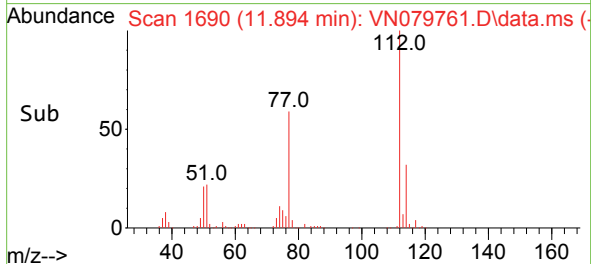
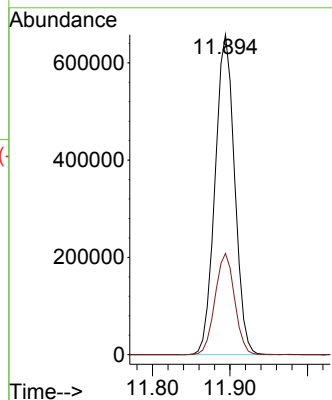
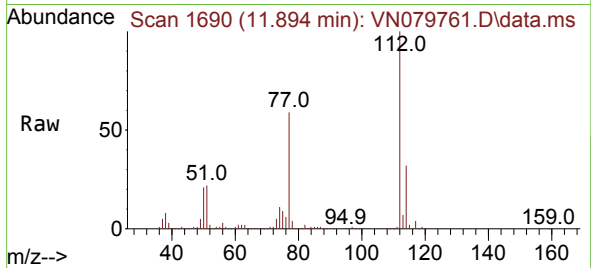




#65  
Chlorobenzene  
Concen: 101.031 ug/l  
RT: 11.894 min Scan# 1151227  
Delta R.T. 0.000 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

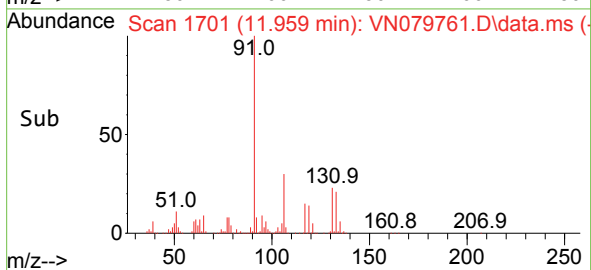
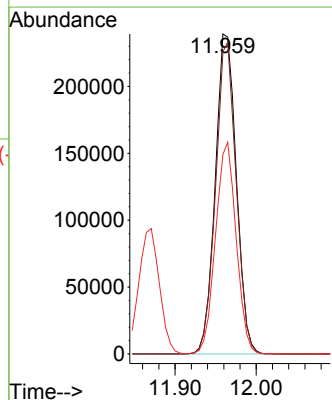
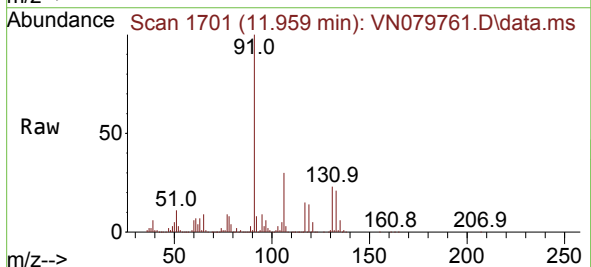
Instrument :  
MSVOA\_N  
ClientSampleId :

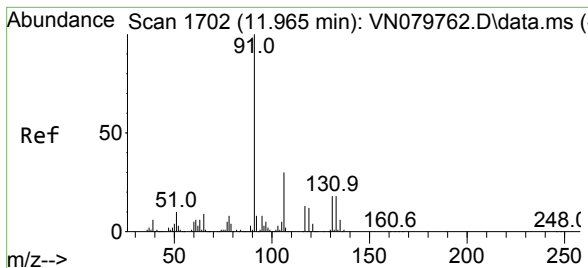
Tgt Ion:112 Resp: 1151227  
Ion Ratio Lower Upper  
112 100  
114 31.7 25.0 37.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 105.105 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. -0.006 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

Tgt Ion:131 Resp: 431501  
Ion Ratio Lower Upper  
131 100  
133 94.8 46.4 139.1  
119 64.9 34.1 102.2

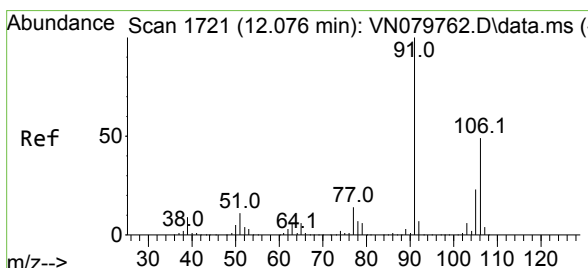
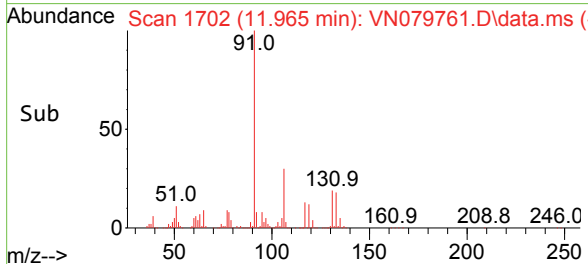
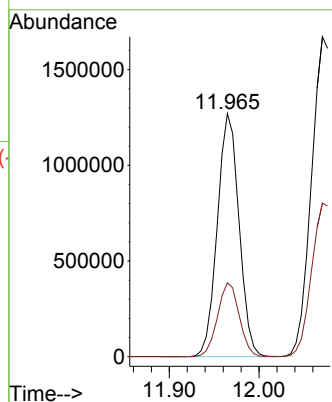
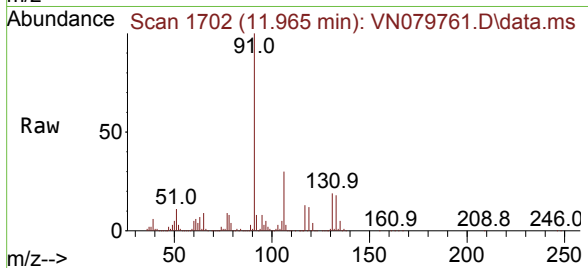




#67  
Ethyl Benzene  
Concen: 107.250 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

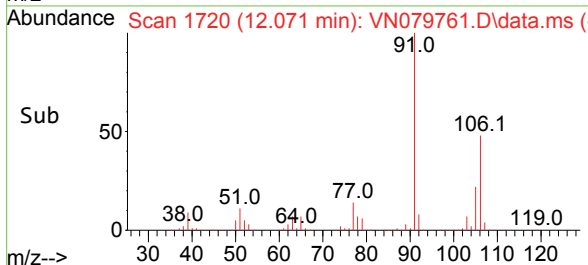
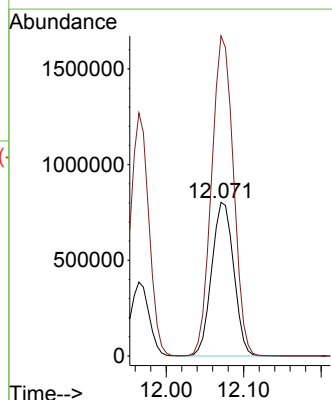
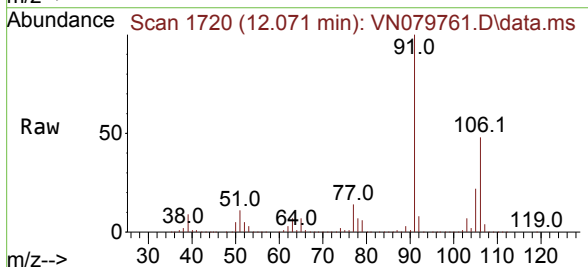
Instrument :  
MSVOA\_N  
ClientSampleId :

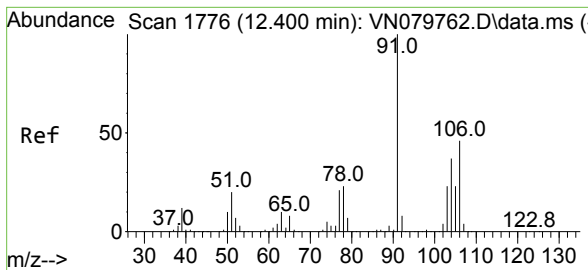
Tgt Ion: 91 Resp: 2129188  
Ion Ratio Lower Upper  
91 100  
106 30.4 25.6 38.4



#68  
m/p-Xylenes  
Concen: 214.206 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. 0.000 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

Tgt Ion:106 Resp: 1584140  
Ion Ratio Lower Upper  
106 100  
91 207.2 159.6 239.4

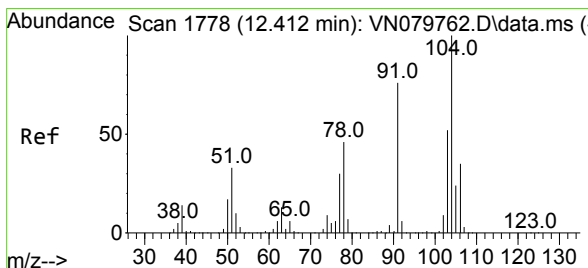
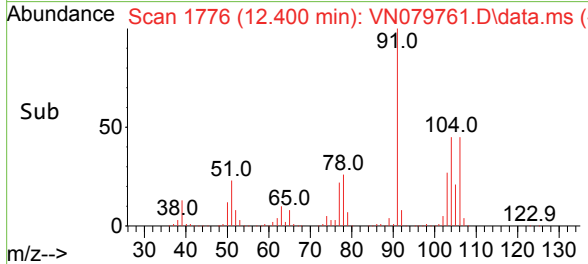
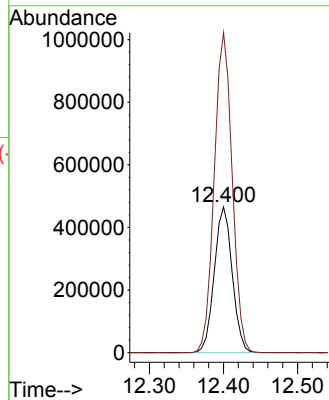
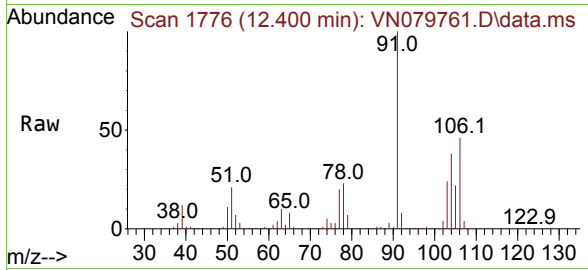




#69  
o-Xylene  
Concen: 109.905 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. 0.000 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

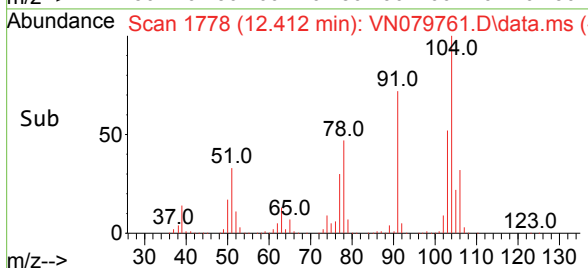
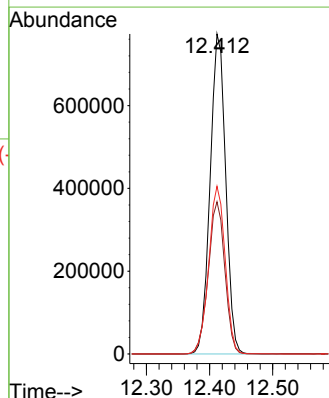
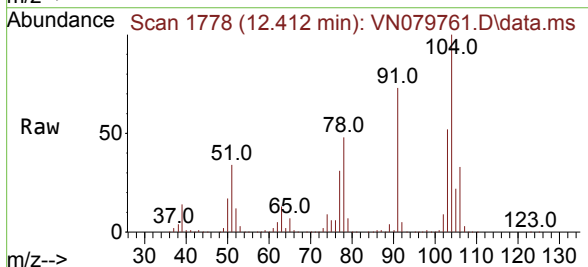
Instrument :  
MSVOA\_N  
ClientSampleId :

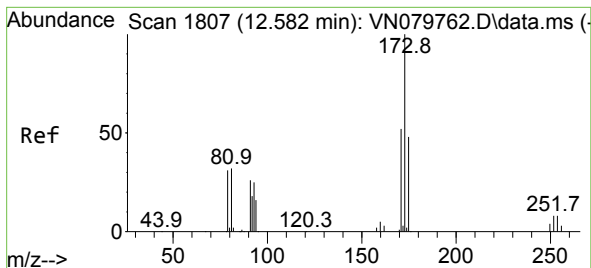
Tgt Ion:106 Resp: 782677  
Ion Ratio Lower Upper  
106 100  
91 219.4 105.2 315.5



#70  
Styrene  
Concen: 115.506 ug/l  
RT: 12.412 min Scan# 1778  
Delta R.T. 0.000 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

Tgt Ion:104 Resp: 1321926  
Ion Ratio Lower Upper  
104 100  
78 50.6 39.5 59.3  
103 55.5 43.2 64.8





#71

Bromoform

Concen: 112.873 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

Instrument :

MSVOA\_N

ClientSampleId :

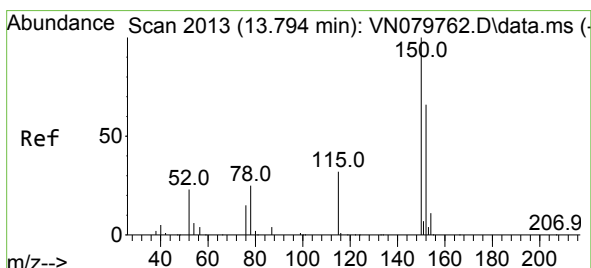
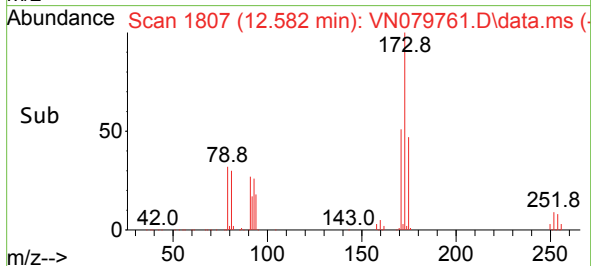
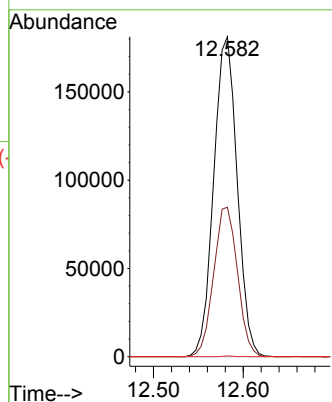
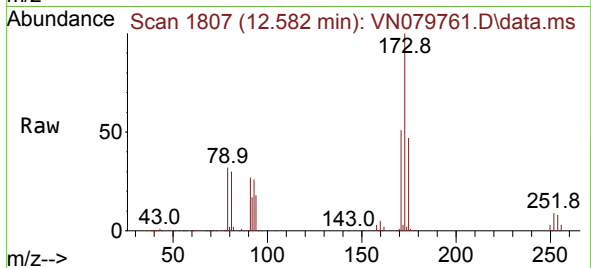
Tgt Ion:173 Resp: 329048

Ion Ratio Lower Upper

173 100

175 47.5 24.3 73.0

254 0.1 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

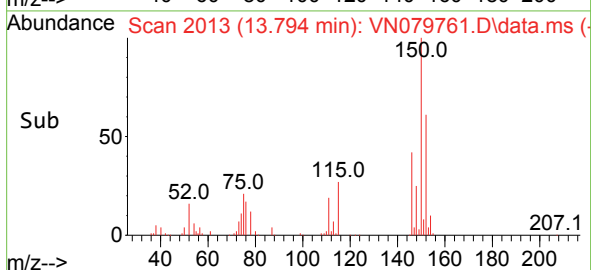
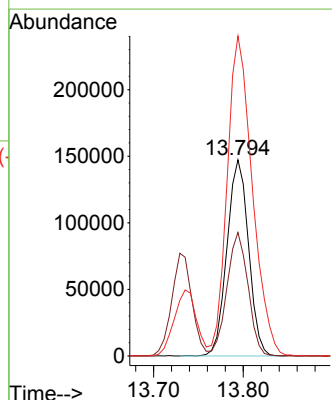
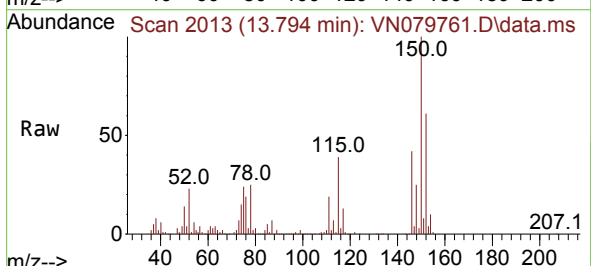
Tgt Ion:152 Resp: 245763

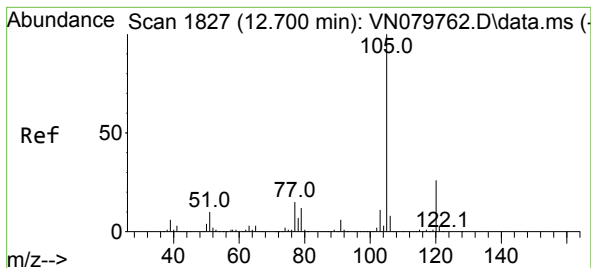
Ion Ratio Lower Upper

152 100

115 61.8 32.3 96.8

150 190.6 0.0 355.8





#73

Isopropylbenzene

Concen: 105.162 ug/l

RT: 12.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

Instrument :

MSVOA\_N

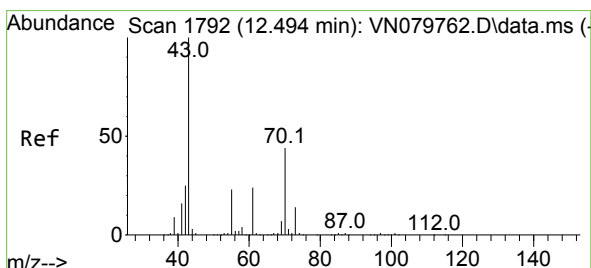
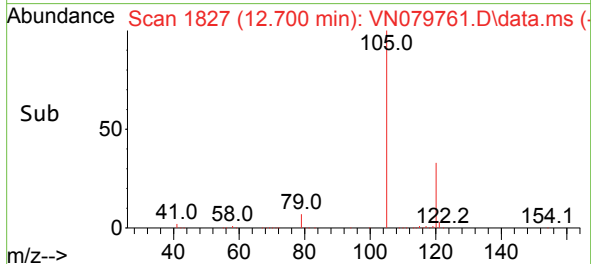
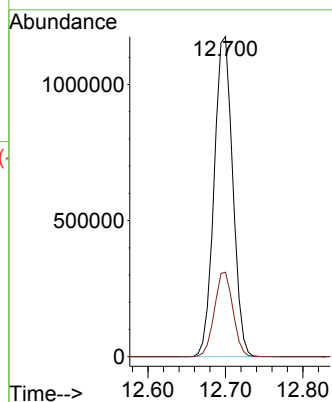
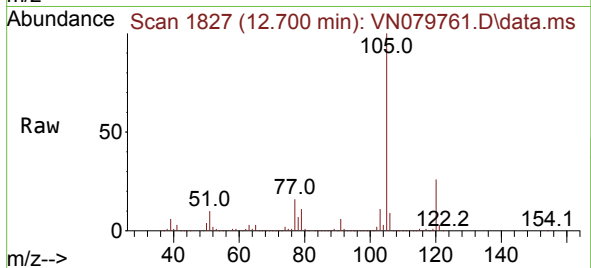
ClientSampleId :

Tgt Ion:105 Resp: 1961464

Ion Ratio Lower Upper

105 100

120 26.3 13.1 39.1



#74

N-ethyl acetate

Concen: 105.327 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

Tgt Ion: 43 Resp: 857507

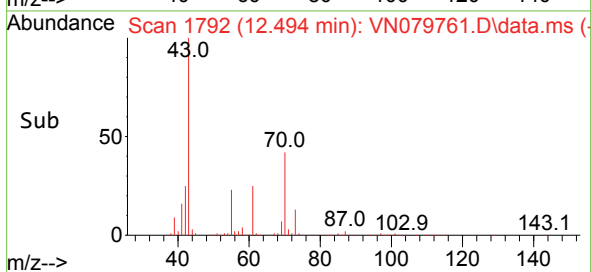
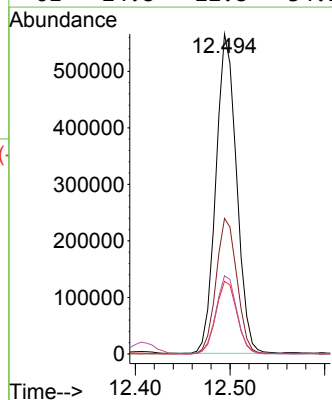
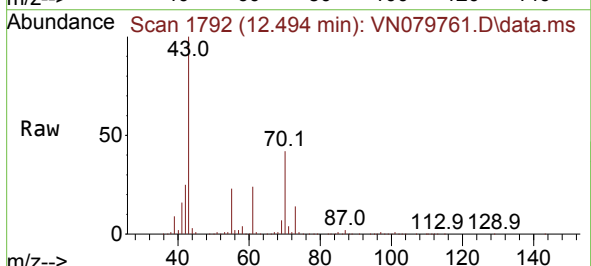
Ion Ratio Lower Upper

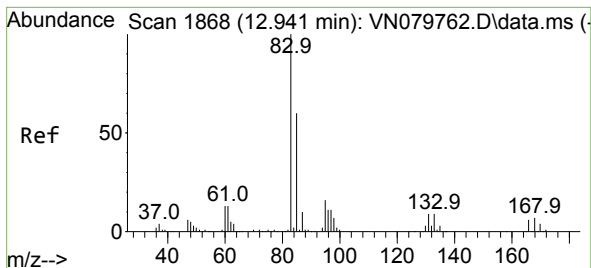
43 100

70 43.4 43.4 65.2#

55 23.3 21.4 32.0

61 24.8 22.8 34.2





#75

1,1,2,2-Tetrachloroethane

Concen: 95.623 ug/l

RT: 12.941 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

Instrument :

MSVOA\_N

ClientSampleId :

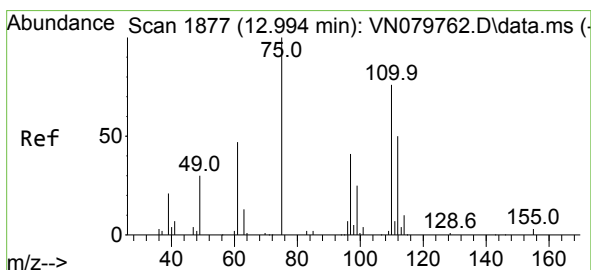
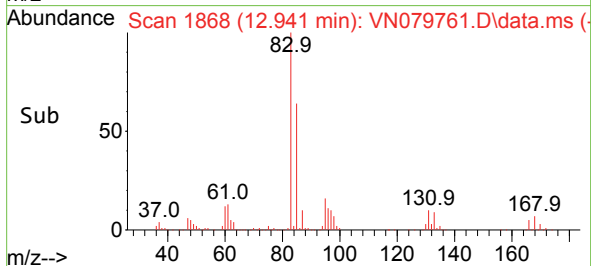
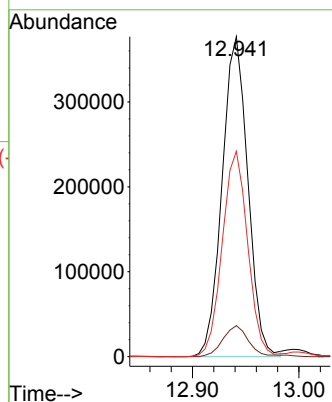
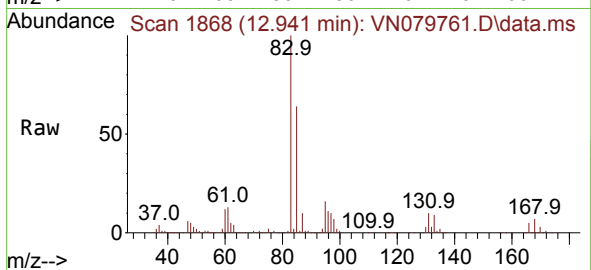
Tgt Ion: 83 Resp: 632369

Ion Ratio Lower Upper

83 100

131 9.9 5.0 15.0

85 63.5 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 139.897 ug/l

RT: 12.994 min Scan# 1877

Delta R.T. 0.000 min

Lab File: VN079761.D

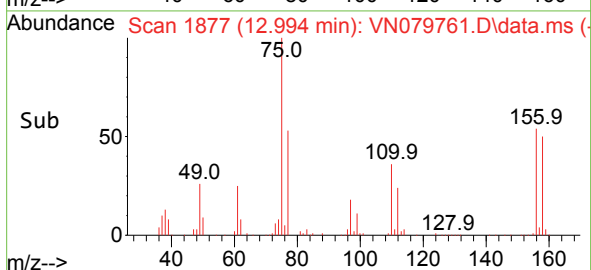
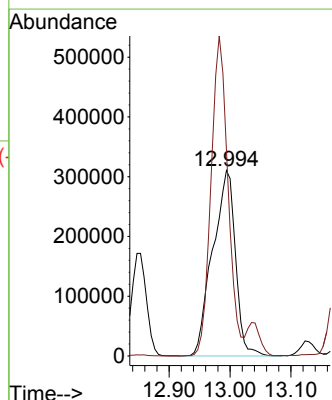
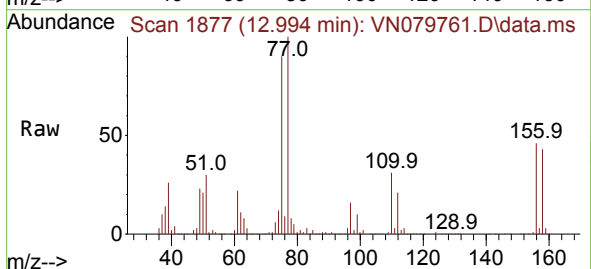
Acq: 01 Nov 2023 10:03

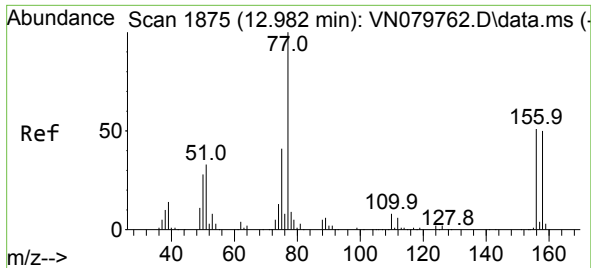
Tgt Ion: 75 Resp: 806142

Ion Ratio Lower Upper

75 100

77 129.3 84.5 253.5

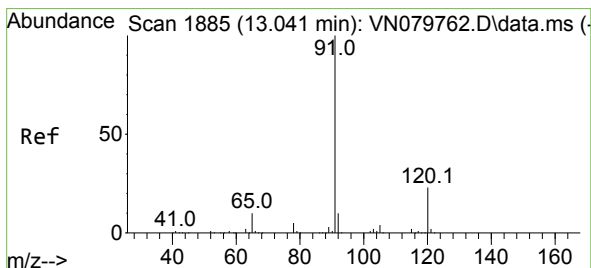
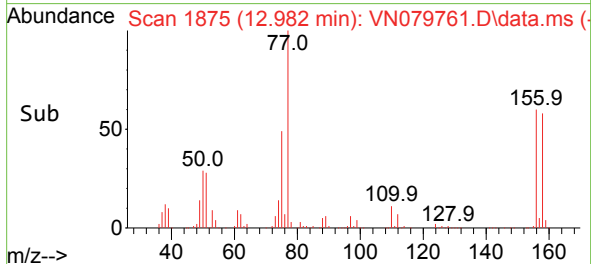
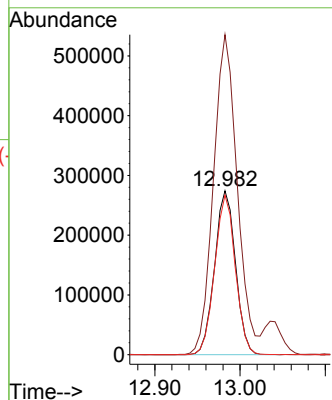
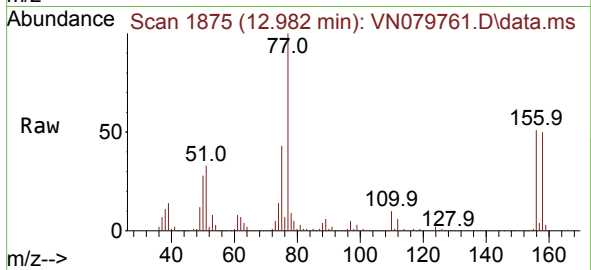




#77  
Bromobenzene  
Concen: 102.256 ug/l  
RT: 12.982 min Scan# 1875  
Delta R.T. 0.000 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

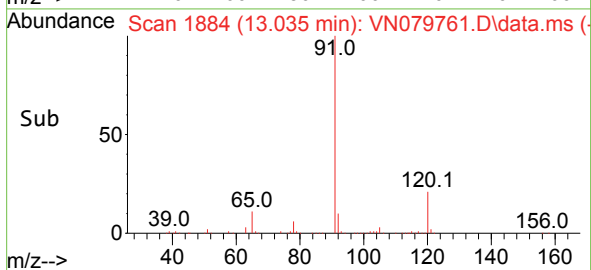
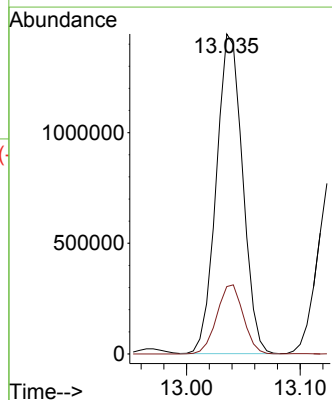
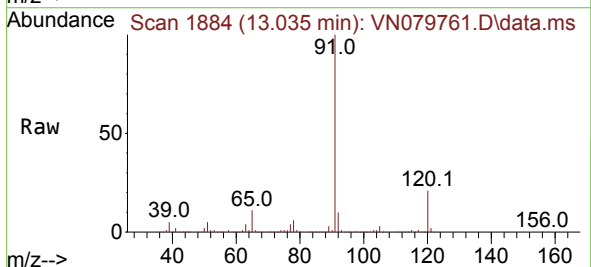
Instrument :  
MSVOA\_N  
ClientSampleId :

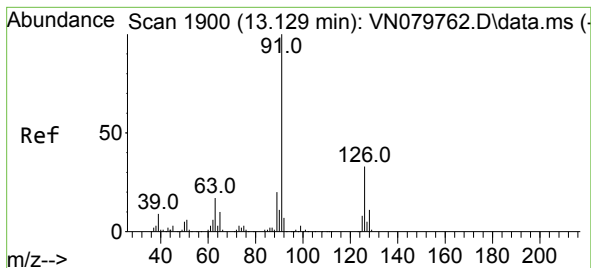
Tgt Ion:156 Resp: 466950  
Ion Ratio Lower Upper  
156 100  
77 223.2 107.7 323.3  
158 96.3 48.4 145.3



#78  
n-propylbenzene  
Concen: 108.811 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. -0.006 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

Tgt Ion: 91 Resp: 2324127  
Ion Ratio Lower Upper  
91 100  
120 21.8 11.5 34.4





#79

2-Chlorotoluene

Concen: 101.951 ug/l

RT: 13.129 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

Instrument :

MSVOA\_N

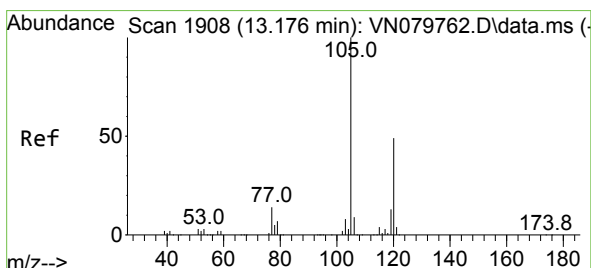
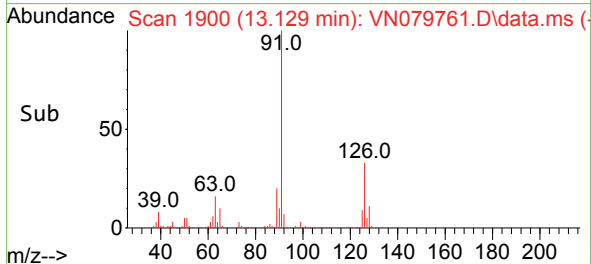
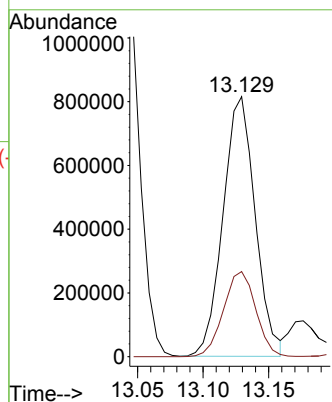
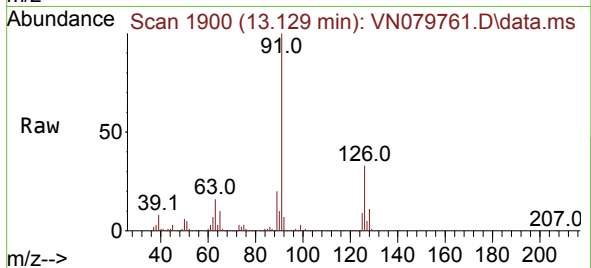
ClientSampleId :

Tgt Ion: 91 Resp: 1391111

Ion Ratio Lower Upper

91 100

126 32.9 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 109.429 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN079761.D

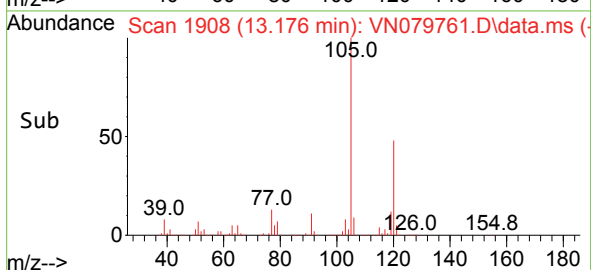
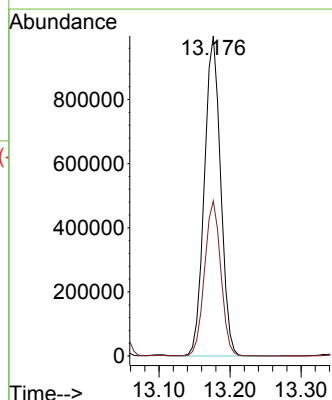
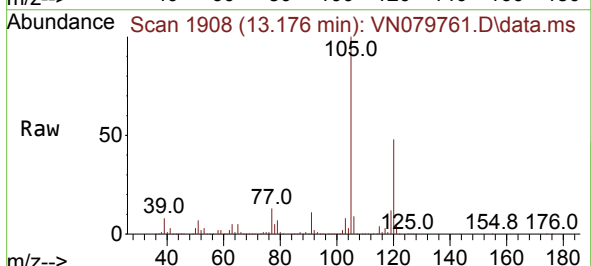
Acq: 01 Nov 2023 10:03

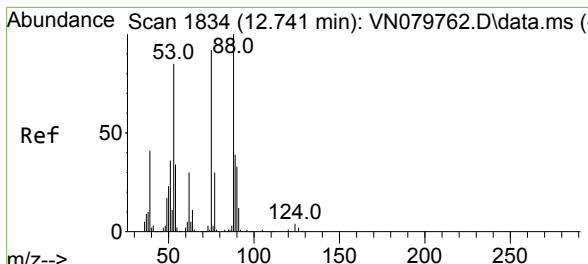
Tgt Ion:105 Resp: 1588004

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.3

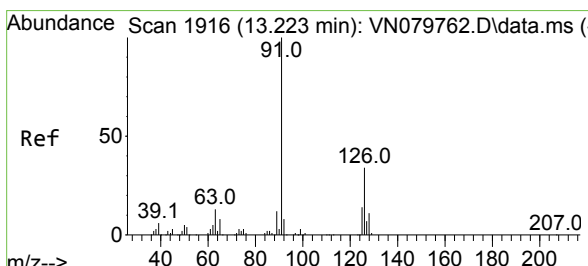
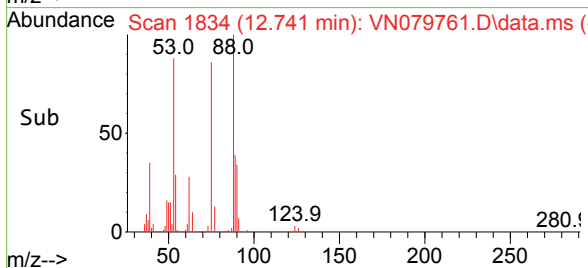
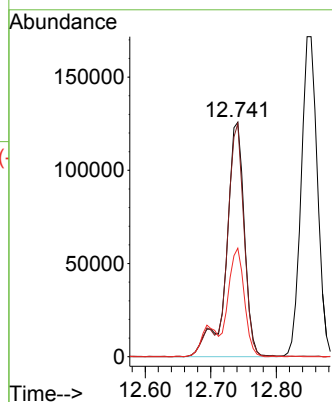
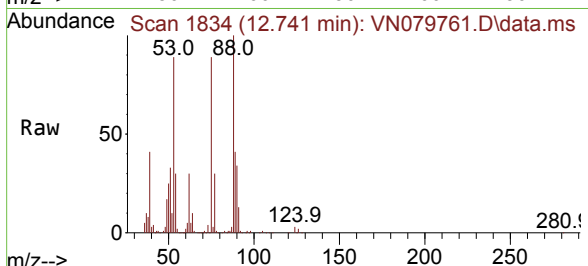




#81  
trans-1,4-Dichloro-2-butene  
Concen: 113.607 ug/l  
RT: 12.741 min Scan# 1834  
Delta R.T. 0.006 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

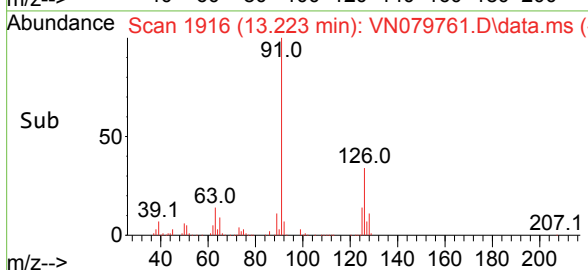
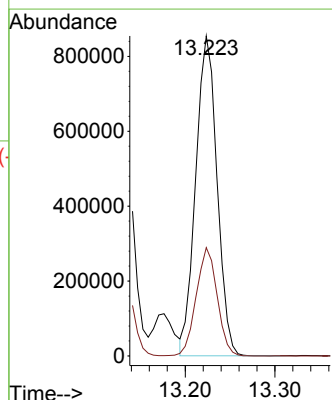
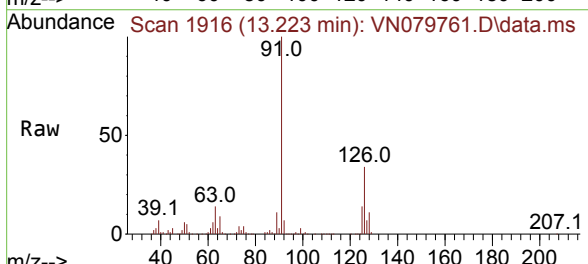
Instrument :  
MSVOA\_N  
ClientSampleId :

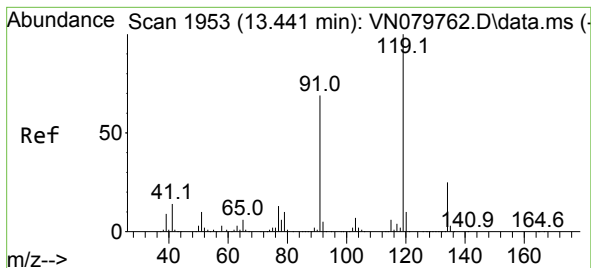
Tgt Ion: 75 Resp: 240921  
Ion Ratio Lower Upper  
75 100  
53 87.7 67.4 101.2  
89 41.3 38.8 58.2



#82  
4-Chlorotoluene  
Concen: 103.837 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. 0.000 min  
Lab File: VN079761.D  
Acq: 01 Nov 2023 10:03

Tgt Ion: 91 Resp: 1407942  
Ion Ratio Lower Upper  
91 100  
126 33.4 16.7 50.0





#83

tert-Butylbenzene

Concen: 110.760 ug/l

RT: 13.441 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

Instrument :

MSVOA\_N

ClientSampleId :

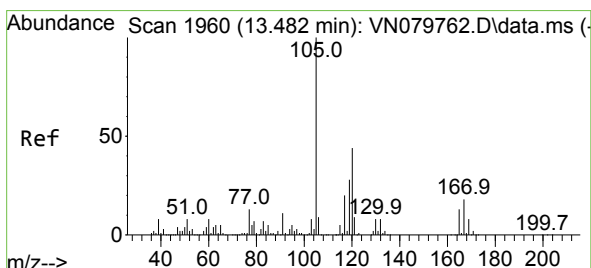
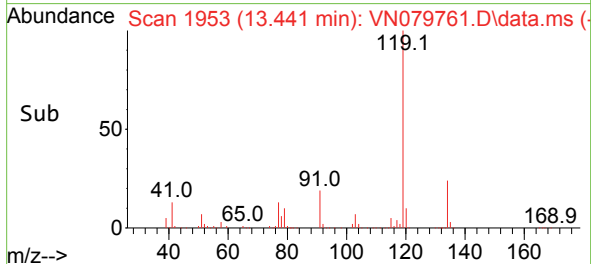
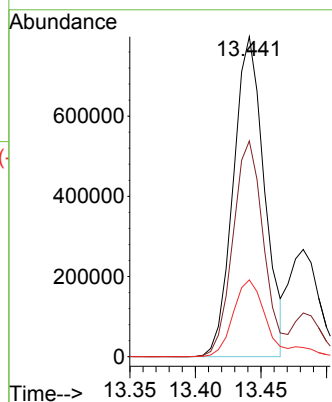
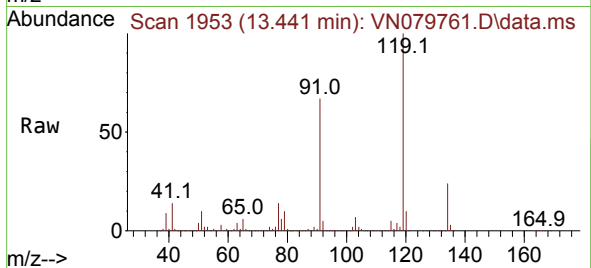
Tgt Ion:119 Resp: 1315674

Ion Ratio Lower Upper

119 100

91 67.5 33.9 101.7

134 26.7 13.2 39.6



#84

1,2,4-Trimethylbenzene

Concen: 112.934 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN079761.D

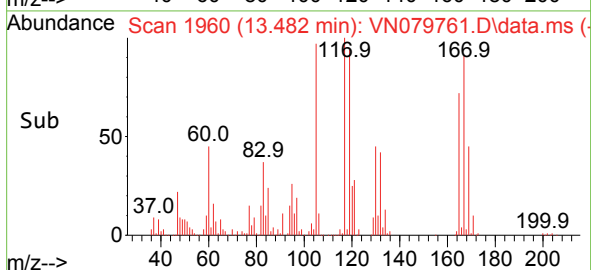
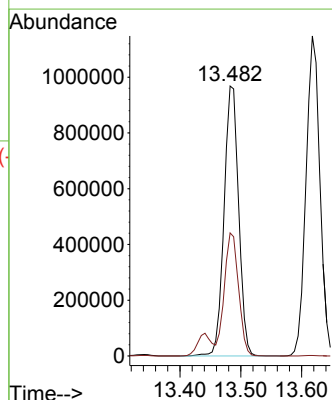
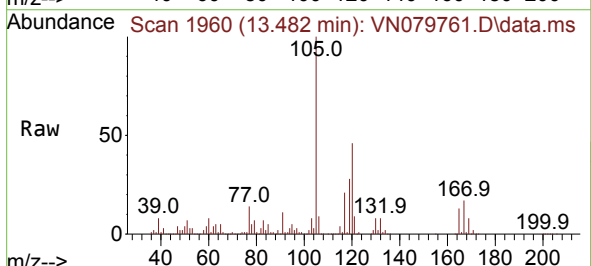
Acq: 01 Nov 2023 10:03

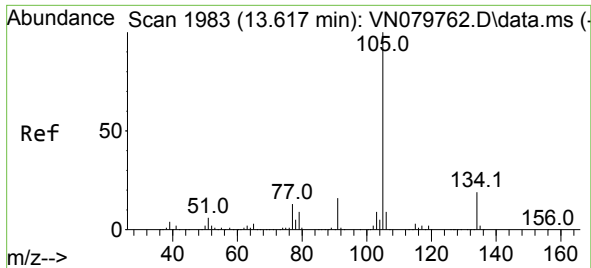
Tgt Ion:105 Resp: 1612424

Ion Ratio Lower Upper

105 100

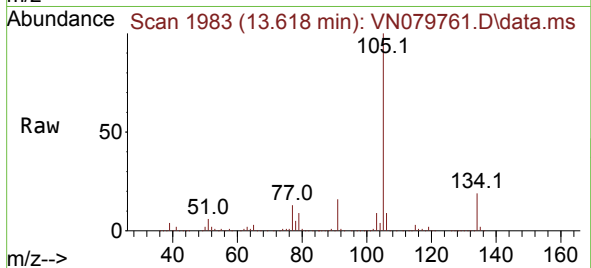
120 44.2 22.0 66.0



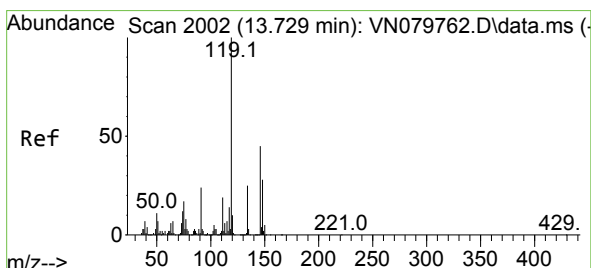
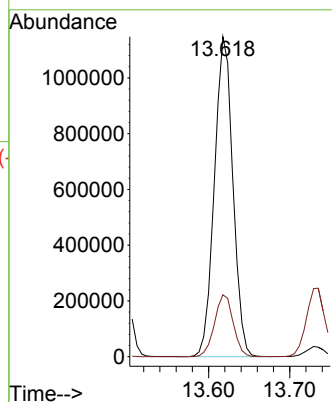
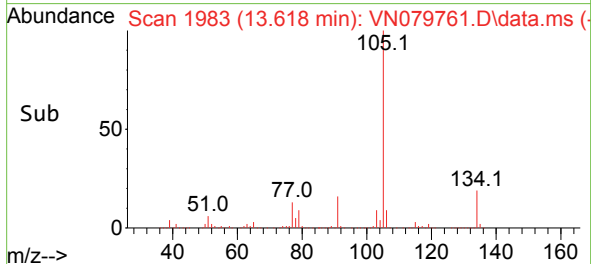


#85  
 sec-Butylbenzene  
 Concen: 110.317 ug/l  
 RT: 13.618 min Scan# 1983  
 Delta R.T. 0.000 min  
 Lab File: VN079761.D  
 Acq: 01 Nov 2023 10:03

Instrument :  
 MSVOA\_N  
 ClientSampleId :

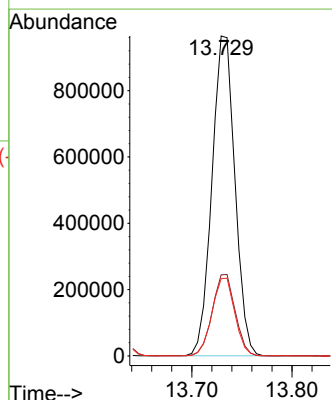
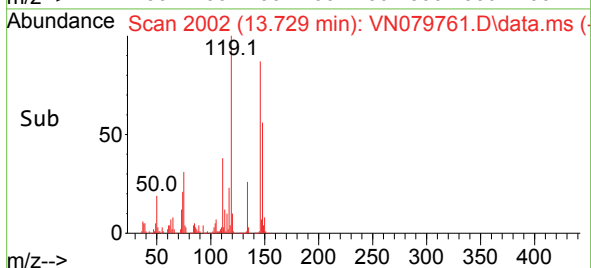
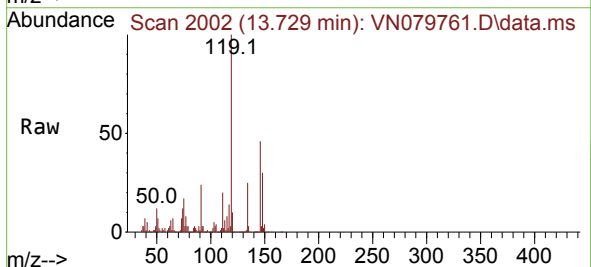


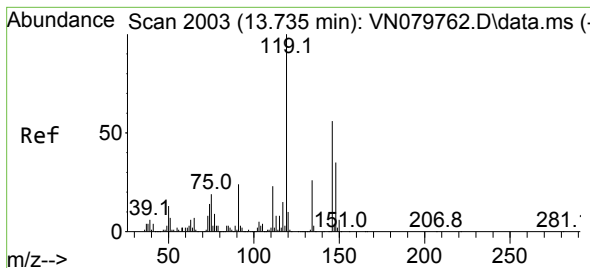
Tgt Ion:105 Resp: 1815522  
 Ion Ratio Lower Upper  
 105 100  
 134 19.6 9.8 29.3



#86  
 p-Isopropyltoluene  
 Concen: 114.496 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.000 min  
 Lab File: VN079761.D  
 Acq: 01 Nov 2023 10:03

Tgt Ion:119 Resp: 1536281  
 Ion Ratio Lower Upper  
 119 100  
 134 25.5 12.6 37.8  
 91 24.1 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 101.152 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

Instrument :

MSVOA\_N

ClientSampleId :

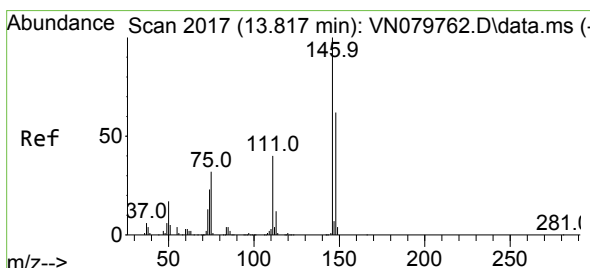
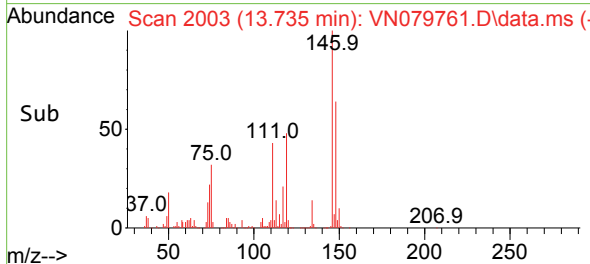
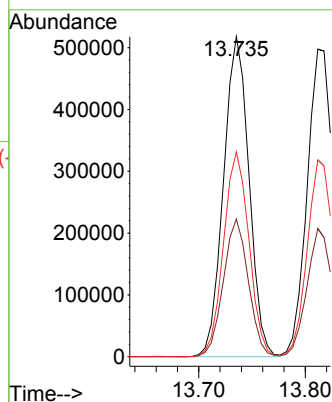
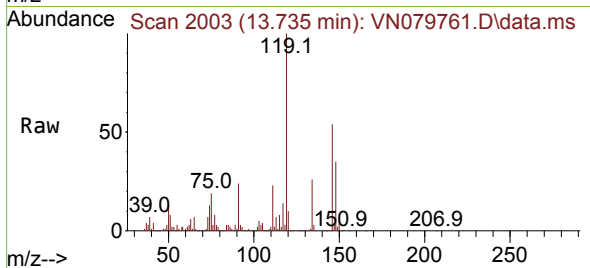
Tgt Ion:146 Resp: 859281

Ion Ratio Lower Upper

146 100

111 42.3 22.1 66.3

148 63.8 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 98.986 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. -0.006 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

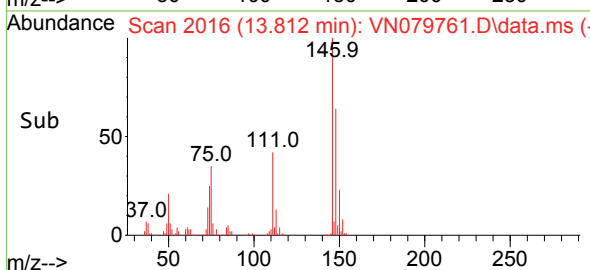
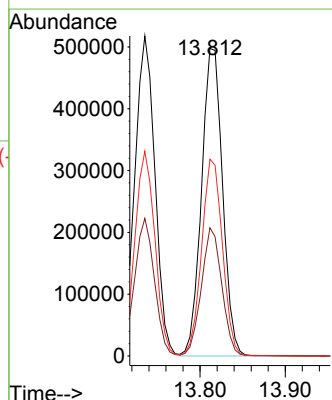
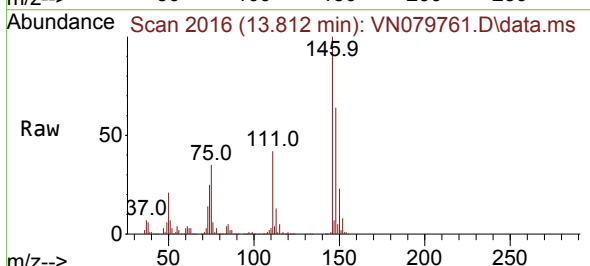
Tgt Ion:146 Resp: 853515

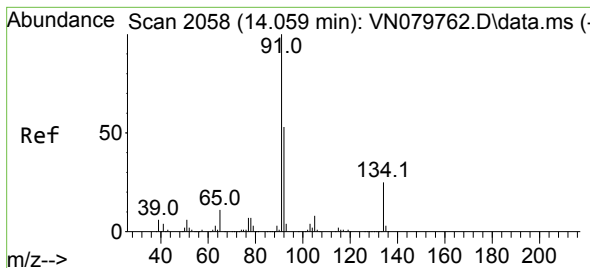
Ion Ratio Lower Upper

146 100

111 40.7 20.6 61.8

148 63.4 31.6 94.8





#89

n-Butylbenzene

Concen: 113.912 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

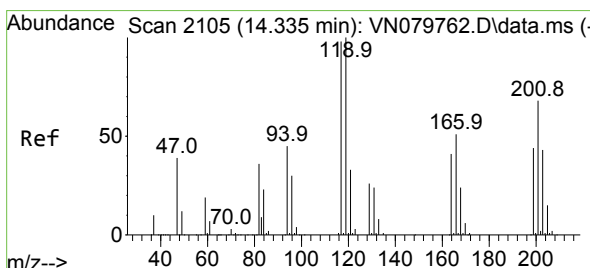
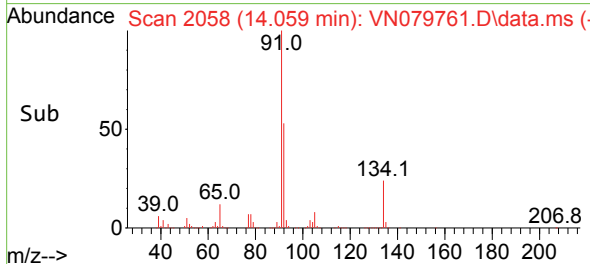
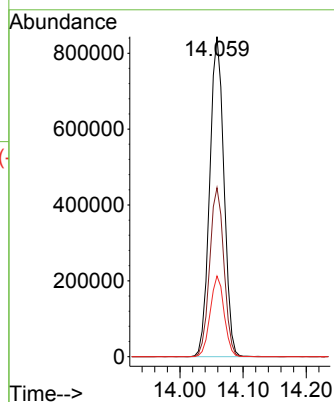
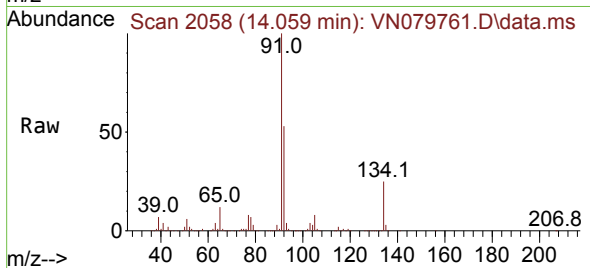
Instrument :

MSVOA\_N

ClientSampleId :

Tgt Ion: 91 Resp: 1316448

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 52.9  | 26.4  | 79.0  |
| 134 | 24.7  | 12.6  | 37.6  |



#90

Hexachloroethane

Concen: 99.617 ug/l

RT: 14.335 min Scan# 2105

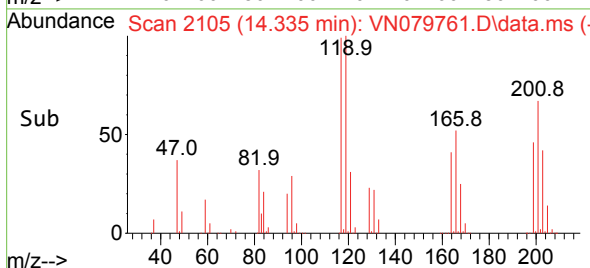
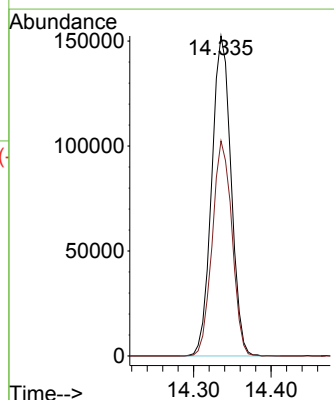
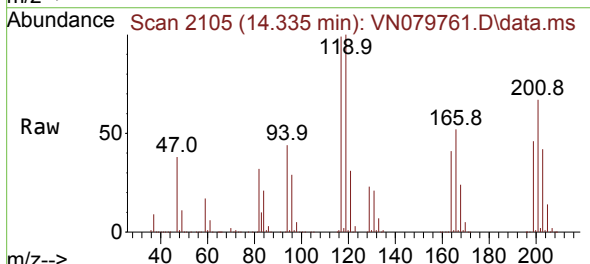
Delta R.T. 0.000 min

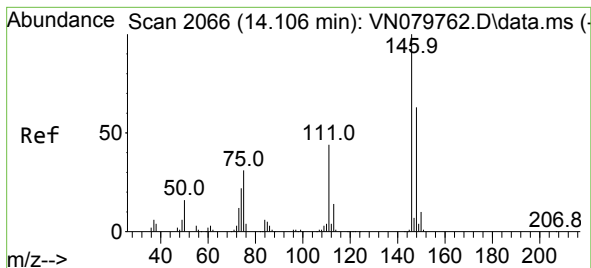
Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

Tgt Ion: 117 Resp: 264713

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 201 | 68.1  | 29.3  | 88.0  |





#91

1,2-Dichlorobenzene

Concen: 102.094 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

Instrument :

MSVOA\_N

ClientSampleId :

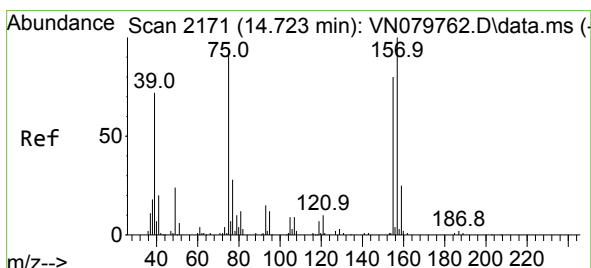
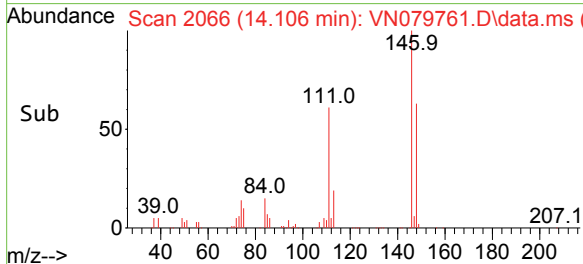
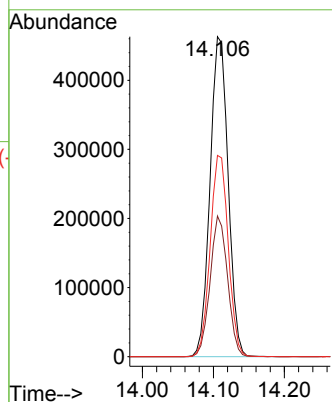
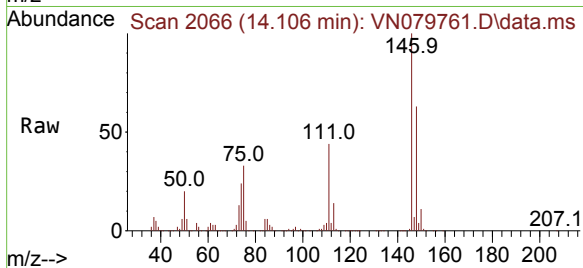
Tgt Ion:146 Resp: 818717

Ion Ratio Lower Upper

146 100

111 42.5 22.0 66.0

148 63.0 31.8 95.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 104.173 ug/l

RT: 14.723 min Scan# 2171

Delta R.T. 0.000 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

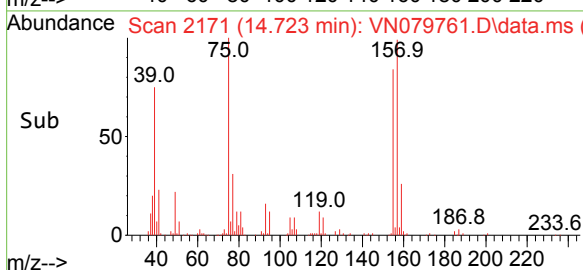
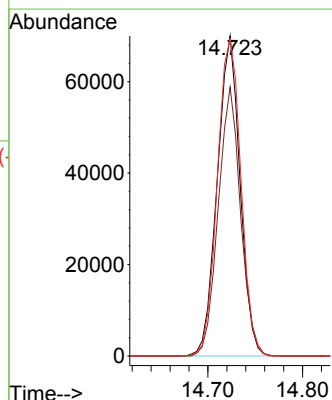
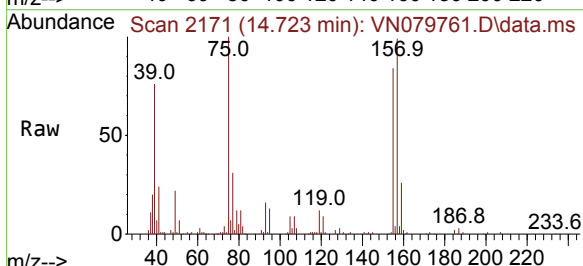
Tgt Ion: 75 Resp: 116828

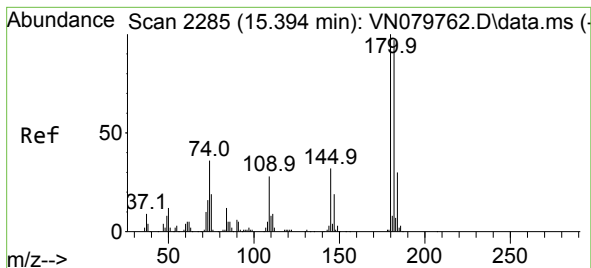
Ion Ratio Lower Upper

75 100

155 82.6 39.1 117.2

157 102.7 50.3 150.9





#93

1,2,4-Trichlorobenzene

Concen: 108.209 ug/l

RT: 15.394 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

Instrument :

MSVOA\_N

ClientSampleId :

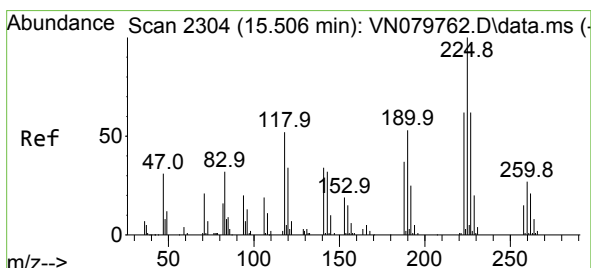
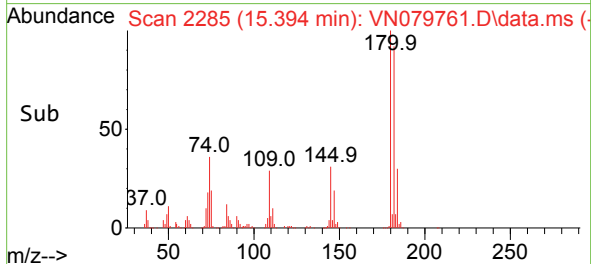
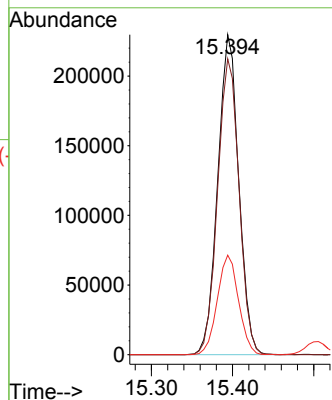
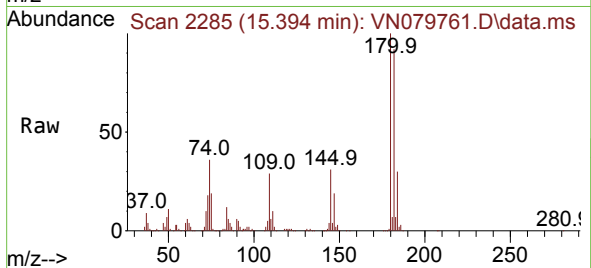
Tgt Ion:180 Resp: 412611

Ion Ratio Lower Upper

180 100

182 94.6 46.1 138.2

145 31.5 16.6 49.8



#94

Hexachlorobutadiene

Concen: 91.473 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.006 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

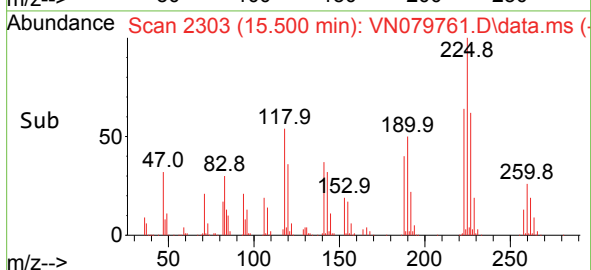
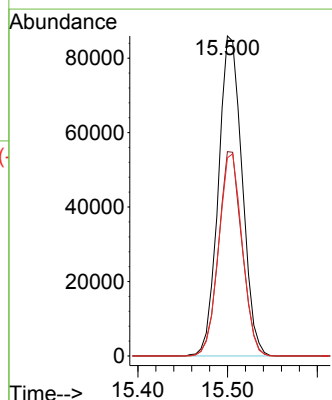
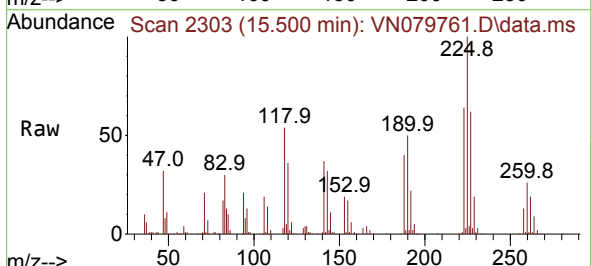
Tgt Ion:225 Resp: 158116

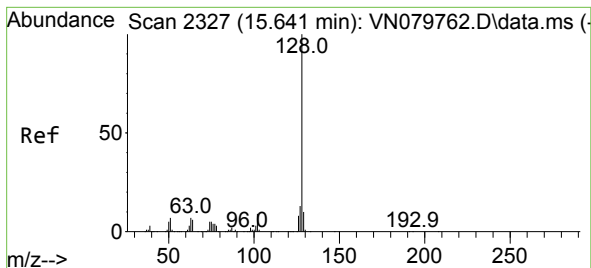
Ion Ratio Lower Upper

225 100

223 62.7 31.3 93.8

227 62.4 31.9 95.9





#95

Naphthalene

Concen: 109.580 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

Instrument :

MSVOA\_N

ClientSampleId :

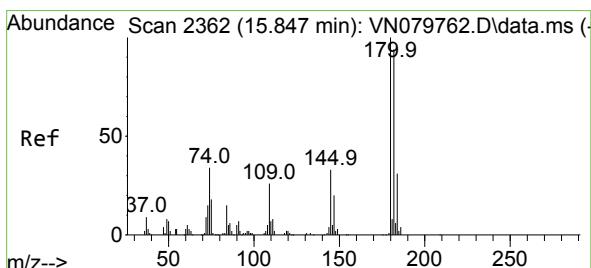
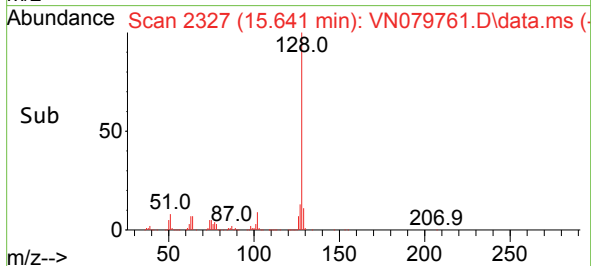
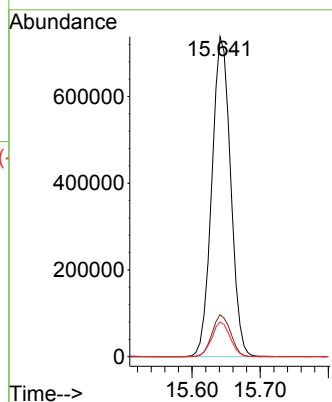
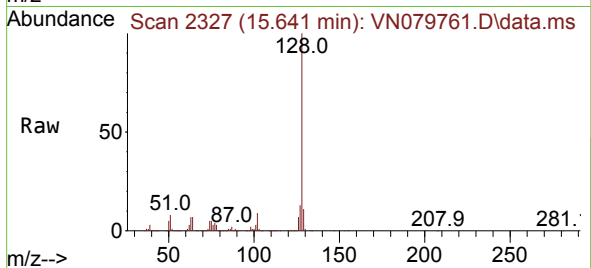
Tgt Ion:128 Resp: 1416990

Ion Ratio Lower Upper

128 100

127 13.0 10.0 15.0

129 10.6 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 104.430 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VN079761.D

Acq: 01 Nov 2023 10:03

Tgt Ion:180 Resp: 390330

Ion Ratio Lower Upper

180 100

182 94.3 46.2 138.6

145 33.7 17.5 52.6

