

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111523\  
 Data File : VN080106.D  
 Acq On : 15 Nov 2023 13:31  
 Operator : JC\MD  
 Sample : VN1115WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Nov 15 21:51:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 02 05:49:08 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 165013   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 273156   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 250343   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 124050   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 145273   | 57.785   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 115.560% |      |
| 35) Dibromofluoromethane    | 8.171  | 113   | 106738   | 55.211   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 110.420% |      |
| 50) Toluene-d8              | 10.571 | 98    | 350232   | 49.210   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 98.420%  |      |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 135662   | 57.474   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 114.940% |      |

|                              |       |     |        |        |        |     |
|------------------------------|-------|-----|--------|--------|--------|-----|
| Target Compounds             |       |     |        |        | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.124 | 85  | 33880  | 17.045 | ug/l   | 98  |
| 3) Chloromethane             | 2.365 | 50  | 27706  | 10.365 | ug/l   | 98  |
| 4) Vinyl Chloride            | 2.512 | 62  | 66511  | 25.564 | ug/l   | 100 |
| 5) Bromomethane              | 2.959 | 94  | 20409  | 12.910 | ug/l   | 98  |
| 6) Chloroethane              | 3.118 | 64  | 21226  | 10.325 | ug/l   | 98  |
| 7) Trichlorofluoromethane    | 3.500 | 101 | 65616  | 20.277 | ug/l   | 96  |
| 8) Diethyl Ether             | 3.959 | 74  | 22650  | 18.444 | ug/l   | 87  |
| 9) 1,1,2-Trichlorotrifluo... | 4.365 | 101 | 30862  | 16.452 | ug/l   | 95  |
| 10) Methyl Iodide            | 4.583 | 142 | 35664  | 16.648 | ug/l # | 87  |
| 11) Tert butyl alcohol       | 5.518 | 59  | 29096  | 90.663 | ug/l   | 98  |
| 12) 1,1-Dichloroethene       | 4.342 | 96  | 26954  | 15.175 | ug/l   | 88  |
| 13) Acrolein                 | 4.177 | 56  | 27659  | 98.843 | ug/l   | 99  |
| 14) Allyl chloride           | 5.024 | 41  | 38412  | 14.120 | ug/l   | 94  |
| 15) Acrylonitrile            | 5.724 | 53  | 83966  | 83.956 | ug/l   | 97  |
| 16) Acetone                  | 4.430 | 43  | 77309  | 87.545 | ug/l   | 96  |
| 17) Carbon Disulfide         | 4.712 | 76  | 62728  | 12.243 | ug/l   | 100 |
| 18) Methyl Acetate           | 5.018 | 43  | 64303  | 15.220 | ug/l   | 93  |
| 19) Methyl tert-butyl Ether  | 5.794 | 73  | 127833 | 20.904 | ug/l   | 100 |
| 20) Methylene Chloride       | 5.277 | 84  | 39559  | 17.753 | ug/l   | 92  |
| 21) trans-1,2-Dichloroethene | 5.789 | 96  | 32930  | 16.623 | ug/l   | 86  |
| 22) Diisopropyl ether        | 6.671 | 45  | 109013 | 17.291 | ug/l # | 89  |
| 23) Vinyl Acetate            | 6.606 | 43  | 264949 | 76.189 | ug/l # | 90  |
| 24) 1,1-Dichloroethane       | 6.565 | 63  | 69561  | 18.153 | ug/l   | 96  |
| 25) 2-Butanone               | 7.483 | 43  | 100318 | 77.577 | ug/l   | 89  |
| 26) 2,2-Dichloropropane      | 7.488 | 77  | 66641  | 21.029 | ug/l   | 95  |
| 27) cis-1,2-Dichloroethene   | 7.488 | 96  | 42068  | 17.753 | ug/l   | 86  |
| 28) Bromochloromethane       | 7.818 | 49  | 36031  | 19.295 | ug/l   | 95  |
| 29) Tetrahydrofuran          | 7.841 | 42  | 60591  | 72.018 | ug/l   | 89  |
| 30) Chloroform               | 7.965 | 83  | 83829  | 20.140 | ug/l   | 92  |
| 31) Cyclohexane              | 8.259 | 56  | 45894  | 13.815 | ug/l   | 95  |
| 32) 1,1,1-Trichloroethane    | 8.171 | 97  | 73291  | 21.611 | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 8.371 | 75  | 47888  | 17.348 | ug/l   | 94  |
| 37) Ethyl Acetate            | 7.565 | 43  | 38750  | 15.306 | ug/l   | 98  |
| 38) Carbon Tetrachloride     | 8.365 | 117 | 64559  | 23.206 | ug/l   | 92  |
| 39) Methylcyclohexane        | 9.606 | 83  | 39424  | 15.176 | ug/l   | 94  |
| 40) Benzene                  | 8.606 | 78  | 150166 | 18.163 | ug/l   | 99  |

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 Sample : VN1115WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Nov 15 21:51:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 02 05:49:08 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.783  | 41   | 21989    | 16.357  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 69908    | 24.206  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 71006    | 15.993  | ug/l   | 96       |
| 44) Trichloroethene           | 9.353  | 130  | 37132    | 18.099  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 38702    | 18.317  | ug/l   | 93       |
| 46) Dibromomethane            | 9.712  | 93   | 29322    | 20.324  | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.894  | 83   | 65578    | 21.313  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.682  | 41   | 30867    | 15.873  | ug/l   | 91       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 13529    | 393.723 | ug/l # | 82       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 203447   | 81.395  | ug/l   | 97       |
| 52) Toluene                   | 10.629 | 92   | 97178    | 19.826  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 66508    | 22.050  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 67796    | 20.621  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 11.024 | 97   | 39788    | 20.182  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.876 | 69   | 54777    | 19.479  | ug/l   | 92       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 71401    | 20.547  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 141076   | 98.981  | ug/l   | 97       |
| 59) 2-Hexanone                | 11.200 | 43   | 147570   | 77.176  | ug/l   | 96       |
| 60) Dibromochloromethane      | 11.359 | 129  | 48827    | 23.138  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 38070    | 19.239  | ug/l   | 97       |
| 64) Tetrachloroethene         | 11.106 | 164  | 32327    | 19.938  | ug/l   | 91       |
| 65) Chlorobenzene             | 11.894 | 112  | 104200   | 19.188  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 44053    | 22.516  | ug/l   | 92       |
| 67) Ethyl Benzene             | 11.965 | 91   | 178725   | 18.890  | ug/l   | 97       |
| 68) m/p-Xylenes               | 12.071 | 106  | 135913   | 38.563  | ug/l   | 91       |
| 69) o-Xylene                  | 12.400 | 106  | 66533    | 19.604  | ug/l   | 89       |
| 70) Styrene                   | 12.412 | 104  | 112126   | 20.558  | ug/l   | 92       |
| 71) Bromoform                 | 12.576 | 173  | 33134    | 23.849  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.700 | 105  | 164081   | 17.428  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 55277    | 13.451  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 54442    | 16.310  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 74090    | 25.440  | ug/l   | 71       |
| 77) Bromobenzene              | 12.982 | 156  | 43203    | 18.744  | ug/l   | 97       |
| 78) n-propylbenzene           | 13.035 | 91   | 191682   | 17.779  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 133225   | 19.343  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 148696   | 20.300  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 17055    | 15.933  | ug/l   | 89       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 132759   | 19.398  | ug/l   | 94       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 116168   | 19.375  | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 149169   | 20.699  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.617 | 105  | 154261   | 18.570  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 132057   | 19.499  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 78912    | 18.404  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 79820    | 18.340  | ug/l   | 97       |
| 89) n-Butylbenzene            | 14.059 | 91   | 101682   | 17.431  | ug/l   | 100      |
| 90) Hexachloroethane          | 14.335 | 117  | 25520    | 19.027  | ug/l   | 74       |
| 91) 1,2-Dichlorobenzene       | 14.112 | 146  | 75925    | 18.757  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 12115    | 21.402  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 38086    | 19.788  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 19950    | 22.865  | ug/l   | 97       |
| 95) Naphthalene               | 15.647 | 128  | 103428   | 15.846  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 37040    | 19.633  | ug/l   | 97       |

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Sample : VN1115WBSD01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Nov 15 21:51:03 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110123W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 02 05:49:08 2023  
Response via : Initial Calibration

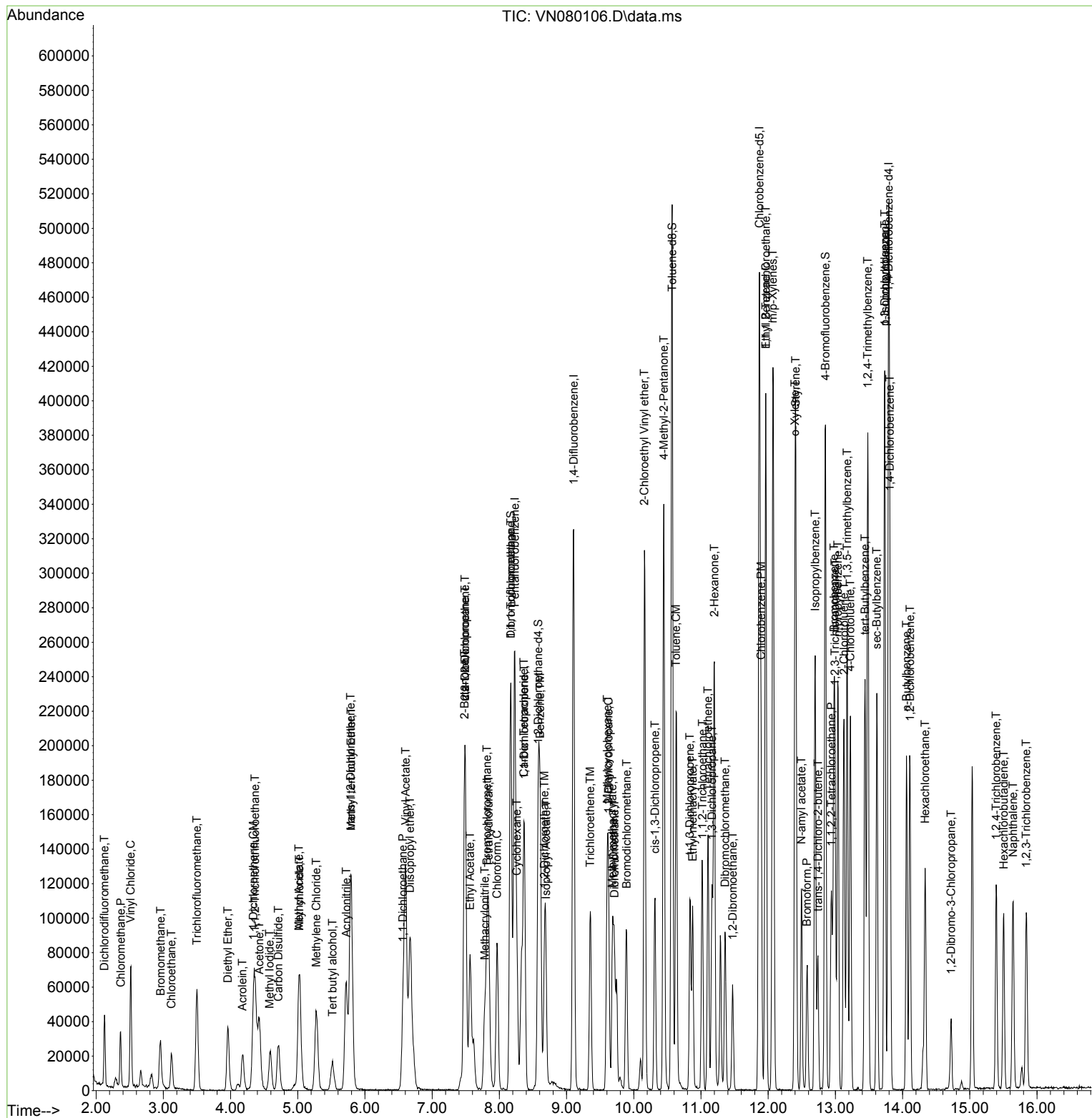
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

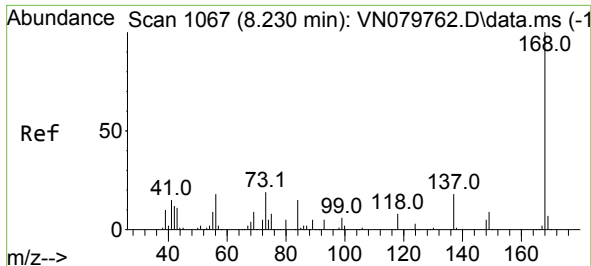
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 Sample : VN1115WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

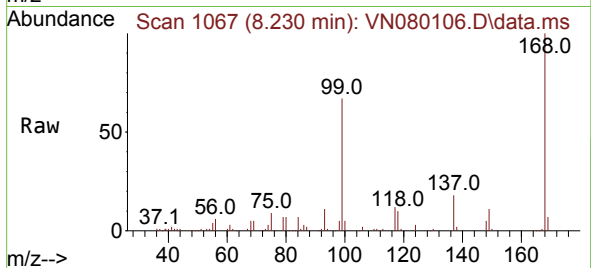
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110123W.M  
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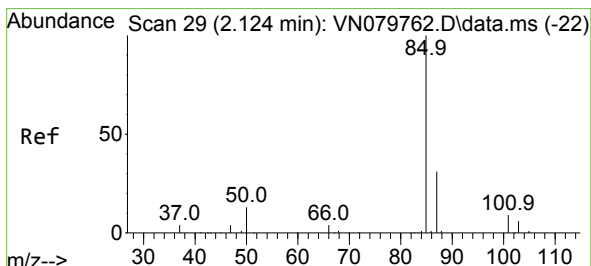
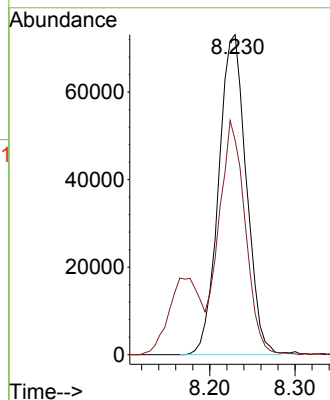
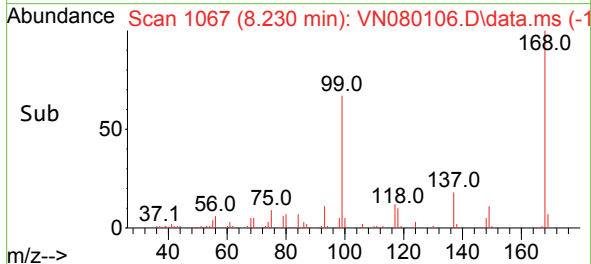


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. 0.001 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Instrument :  
MSVOA\_N  
ClientSampleId :

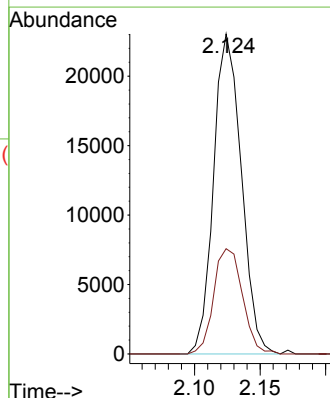
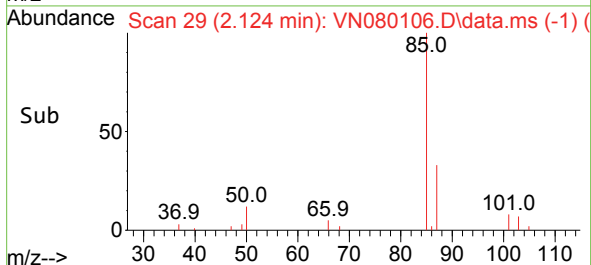
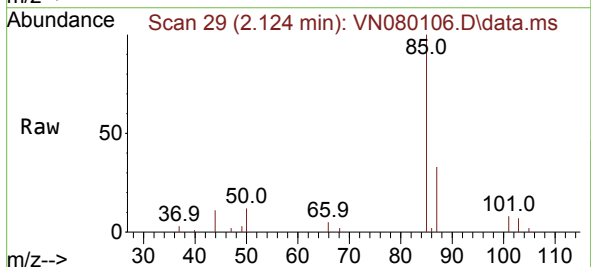


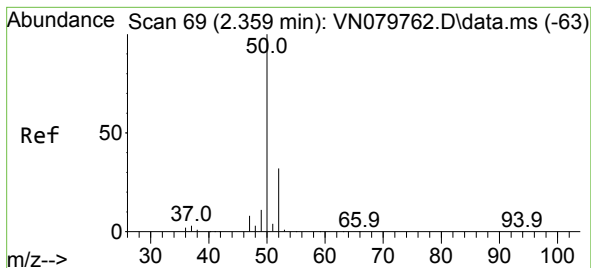
Tgt Ion:168 Resp: 165013  
Ion Ratio Lower Upper  
168 100  
99 66.5 53.0 79.6



#2  
Dichlorodifluoromethane  
Concen: 17.045 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Tgt Ion: 85 Resp: 33880  
Ion Ratio Lower Upper  
85 100  
87 32.9 15.8 47.4





#3

Chloromethane

Concen: 10.365 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080106.D

Acq: 15 Nov 2023 13:31

Instrument :

MSVOA\_N

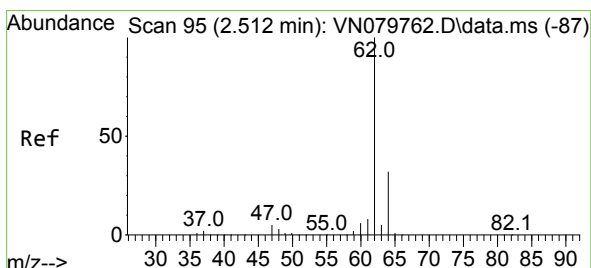
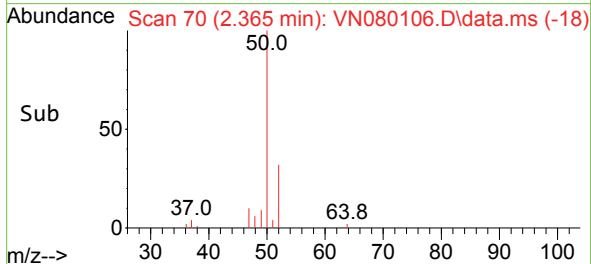
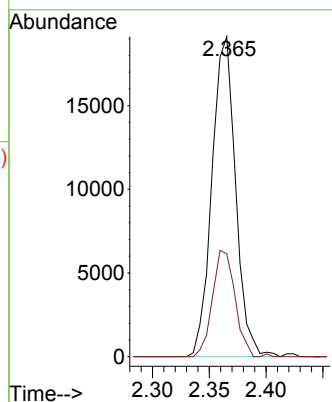
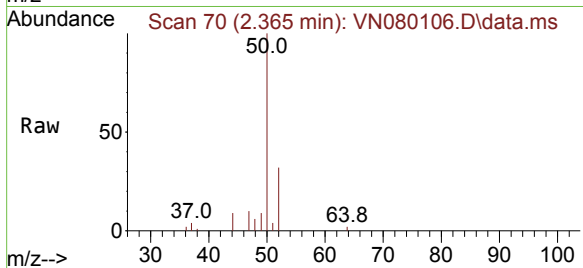
ClientSampleId :

Tgt Ion: 50 Resp: 27706

Ion Ratio Lower Upper

50 100

52 32.2 26.5 39.7



#4

Vinyl Chloride

Concen: 25.564 ug/l

RT: 2.512 min Scan# 95

Delta R.T. 0.000 min

Lab File: VN080106.D

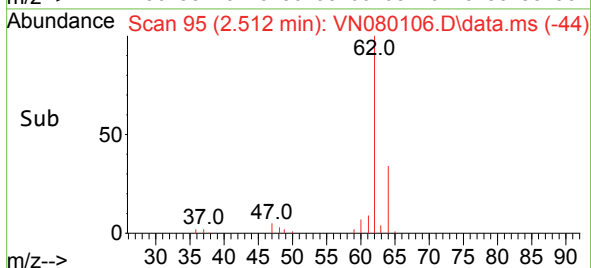
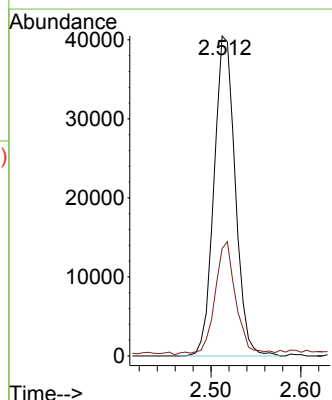
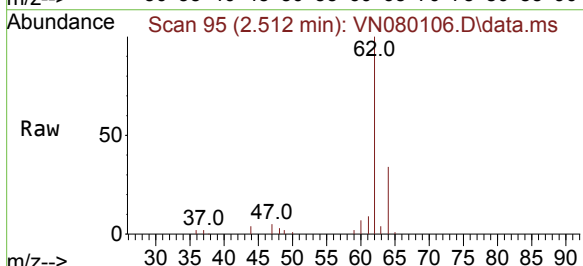
Acq: 15 Nov 2023 13:31

Tgt Ion: 62 Resp: 66511

Ion Ratio Lower Upper

62 100

64 32.7 26.2 39.2

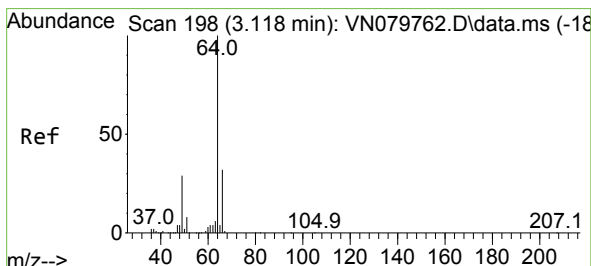
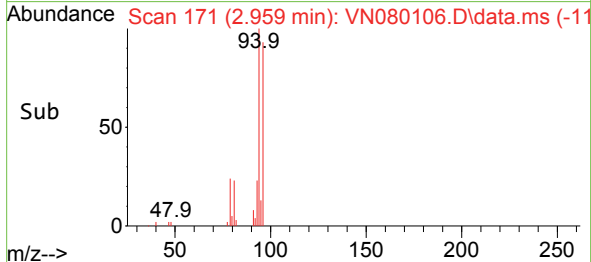
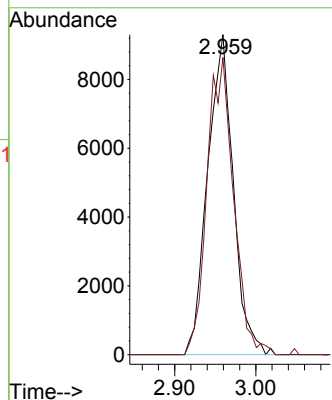
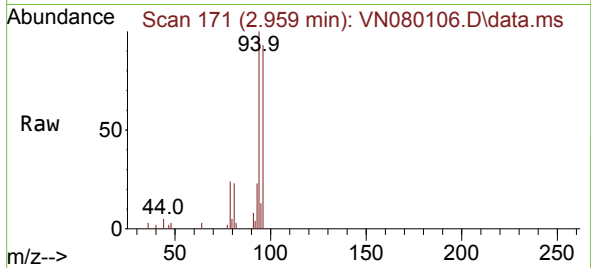




#5  
Bromomethane  
Concen: 12.910 ug/l  
RT: 2.959 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

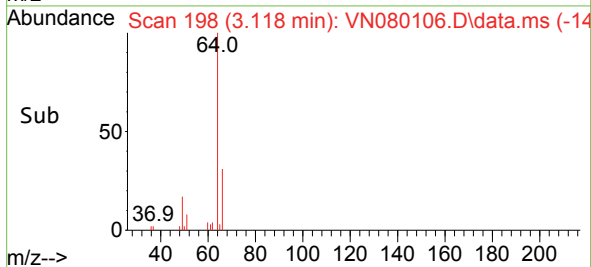
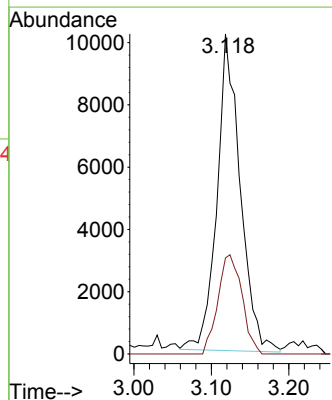
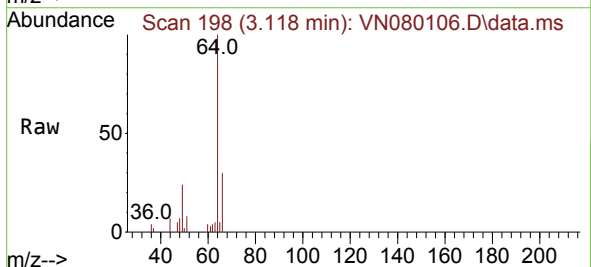
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 94 Resp: 20409  
Ion Ratio Lower Upper  
94 100  
96 92.9 73.1 109.7



#6  
Chloroethane  
Concen: 10.325 ug/l  
RT: 3.118 min Scan# 198  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Tgt Ion: 64 Resp: 21226  
Ion Ratio Lower Upper  
64 100  
66 30.5 25.4 38.2

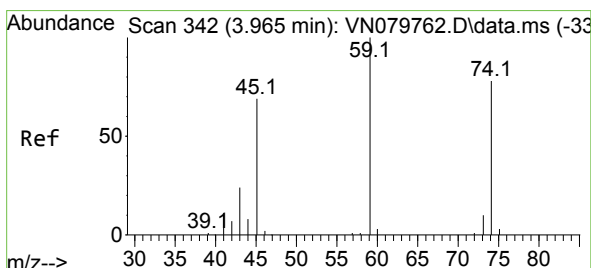
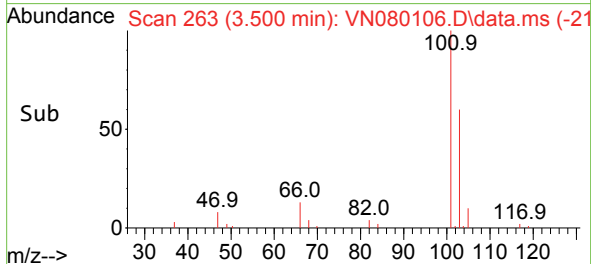
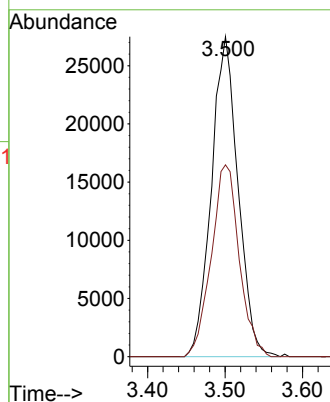
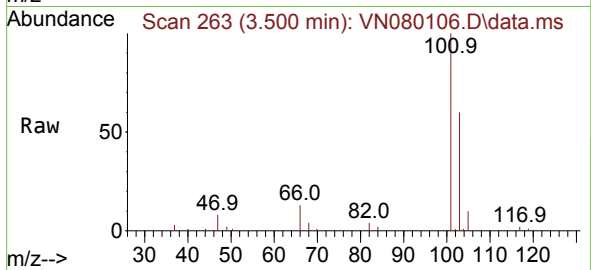




#7  
Trichlorofluoromethane  
Concen: 20.277 ug/l  
RT: 3.500 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

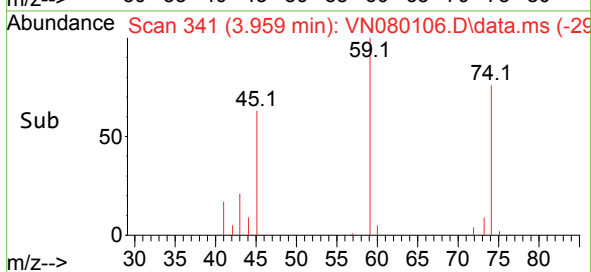
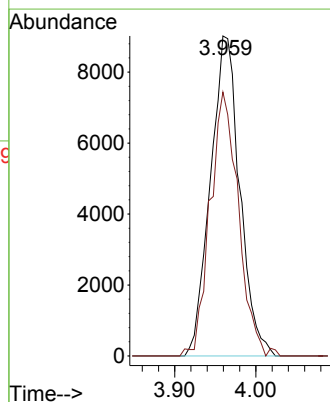
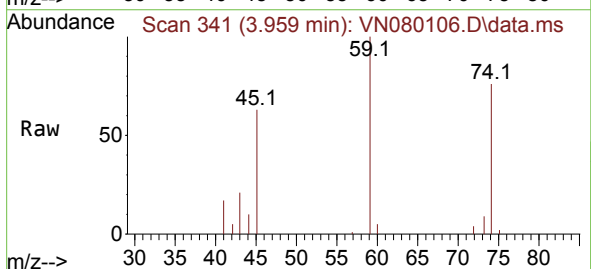
Instrument :  
MSVOA\_N  
ClientSampleId :

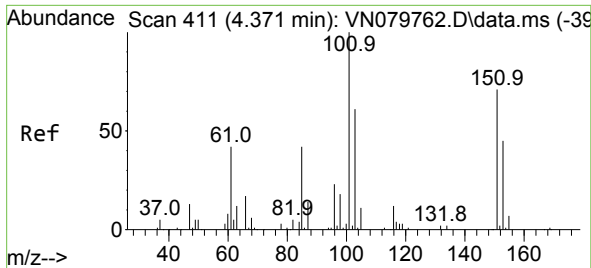
Tgt Ion:101 Resp: 65616  
Ion Ratio Lower Upper  
101 100  
103 59.9 50.7 76.1



#8  
Diethyl Ether  
Concen: 18.444 ug/l  
RT: 3.959 min Scan# 341  
Delta R.T. -0.006 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Tgt Ion: 74 Resp: 22650  
Ion Ratio Lower Upper  
74 100  
45 79.5 34.4 103.3

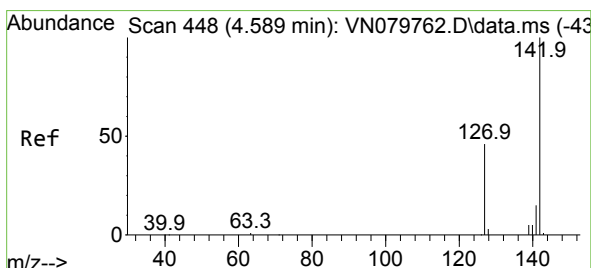
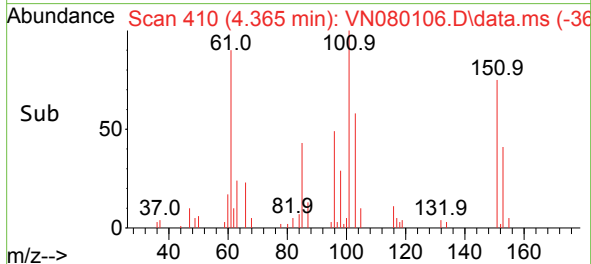
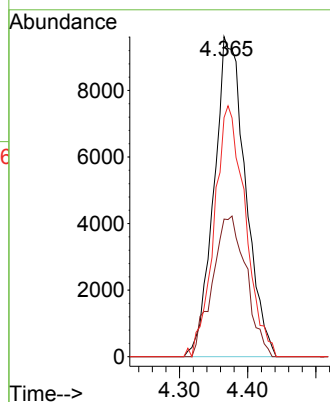
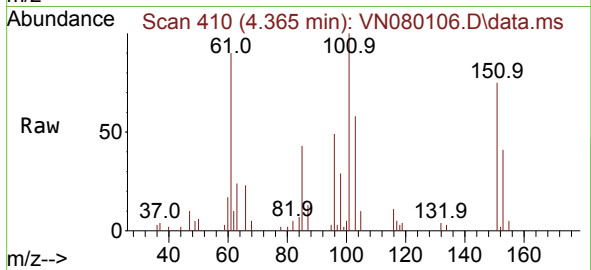




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 16.452 ug/l  
RT: 4.365 min Scan# 411  
Delta R.T. -0.006 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

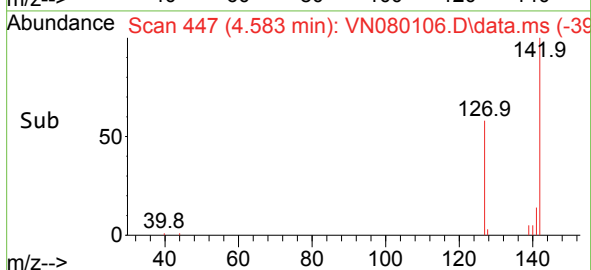
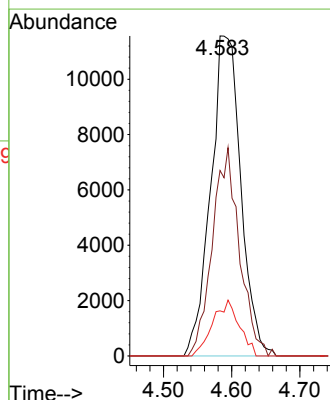
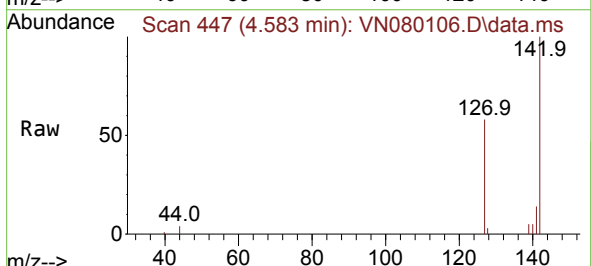
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:101 Resp: 30862  
Ion Ratio Lower Upper  
101 100  
85 47.1 36.6 55.0  
151 77.7 57.6 86.4



#10  
Methyl Iodide  
Concen: 16.648 ug/l  
RT: 4.583 min Scan# 447  
Delta R.T. -0.012 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

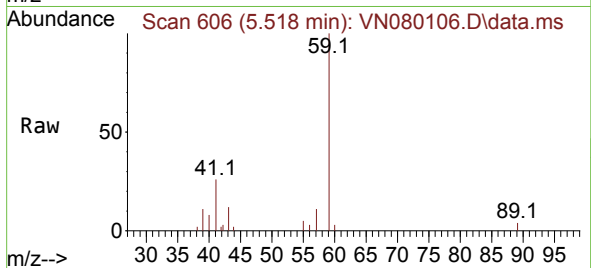
Tgt Ion:142 Resp: 35664  
Ion Ratio Lower Upper  
142 100  
127 58.0 37.6 56.4#  
141 14.1 11.4 17.0



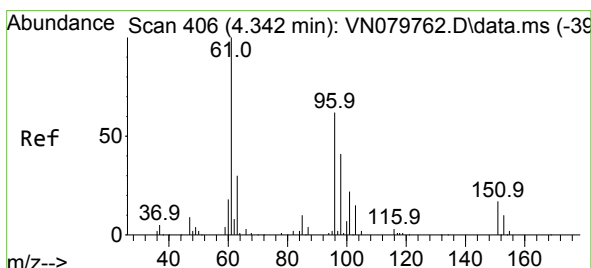
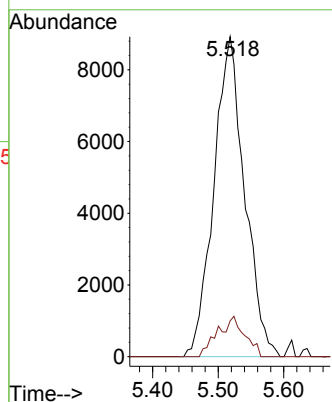
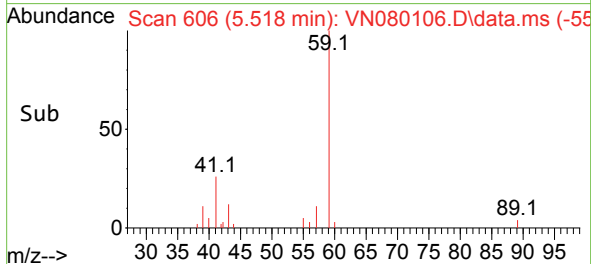


#11  
Tert butyl alcohol  
Concen: 90.663 ug/l  
RT: 5.518 min Scan# 607  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Instrument :  
MSVOA\_N  
ClientSampleId :

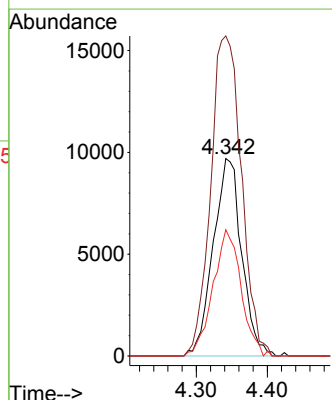
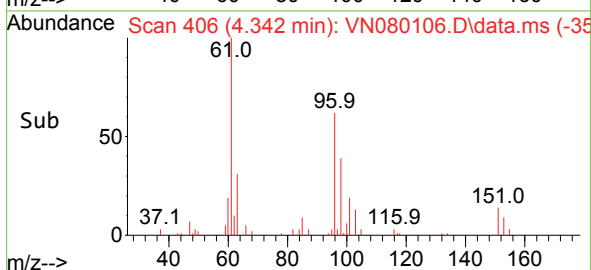
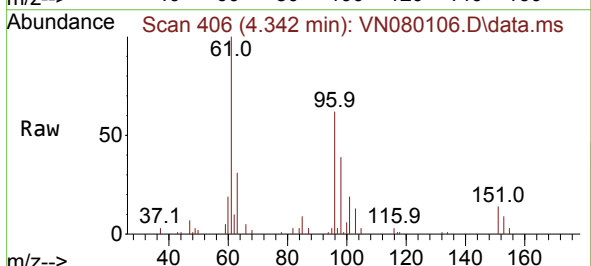


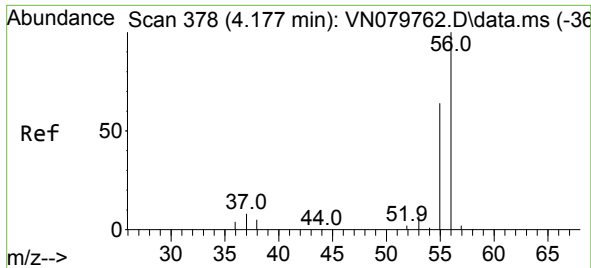
Tgt Ion: 59 Resp: 29096  
Ion Ratio Lower Upper  
59 100  
57 11.1 8.2 12.4



#12  
1,1-Dichloroethene  
Concen: 15.175 ug/l  
RT: 4.342 min Scan# 406  
Delta R.T. -0.006 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

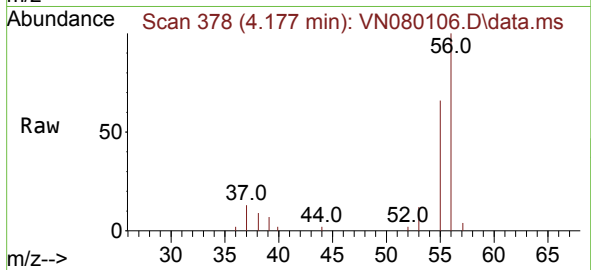
Tgt Ion: 96 Resp: 26954  
Ion Ratio Lower Upper  
96 100  
61 162.0 112.7 169.1  
98 63.9 51.2 76.8



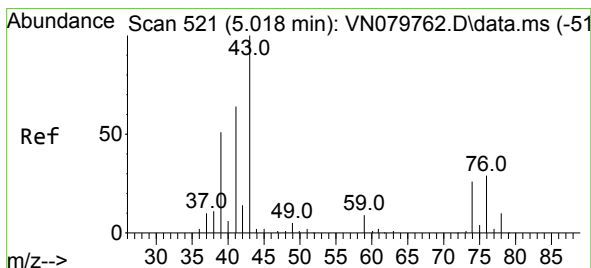
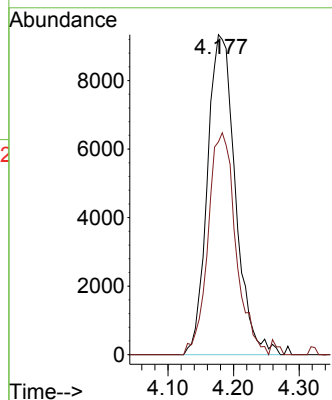
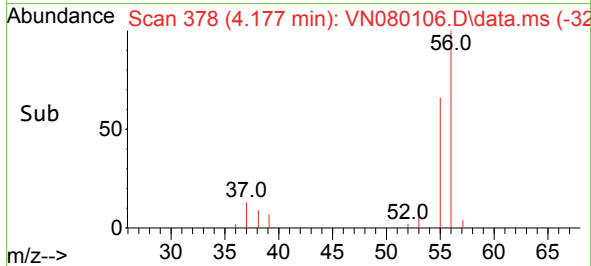


#13  
Acrolein  
Concen: 98.843 ug/l  
RT: 4.177 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

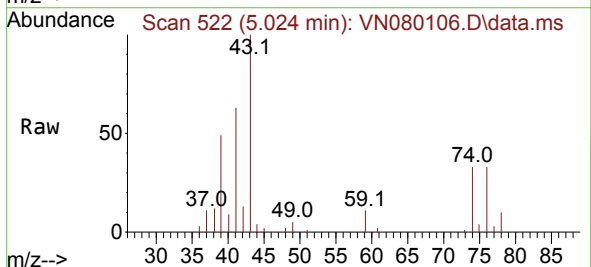
Instrument :  
MSVOA\_N  
ClientSampleId :



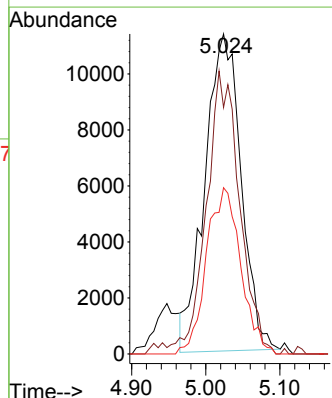
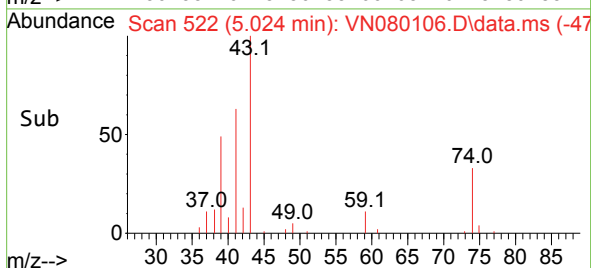
Tgt Ion: 56 Resp: 27659  
Ion Ratio Lower Upper  
56 100  
55 68.7 54.5 81.7



#14  
Allyl chloride  
Concen: 14.120 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31



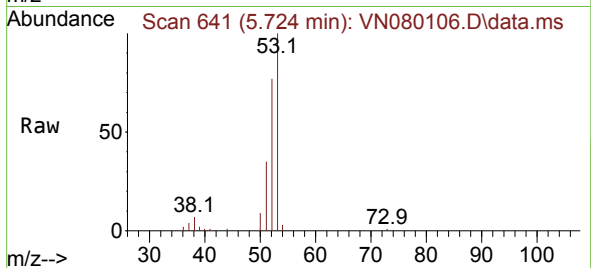
Tgt Ion: 41 Resp: 38412  
Ion Ratio Lower Upper  
41 100  
39 81.8 58.8 88.2  
76 49.5 39.1 58.7



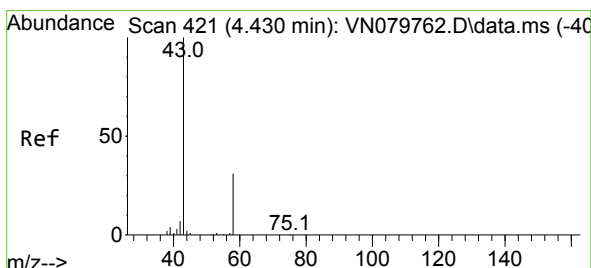
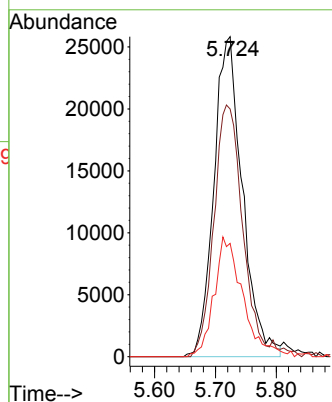
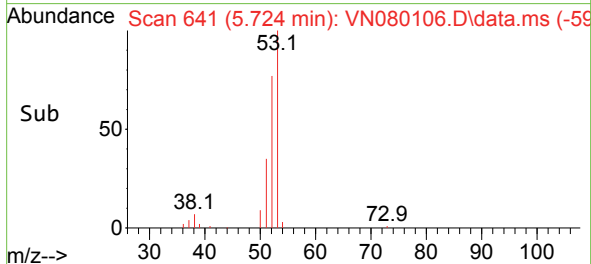


#15  
Acrylonitrile  
Concen: 83.956 ug/l  
RT: 5.724 min Scan# 641  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Instrument :  
MSVOA\_N  
ClientSampleId :

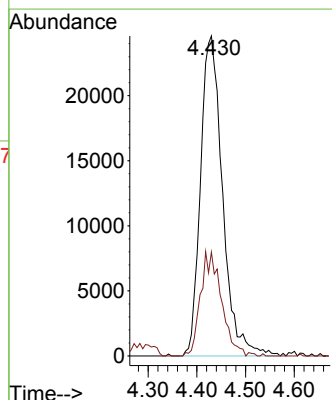
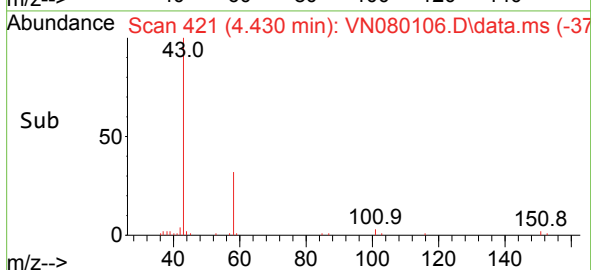
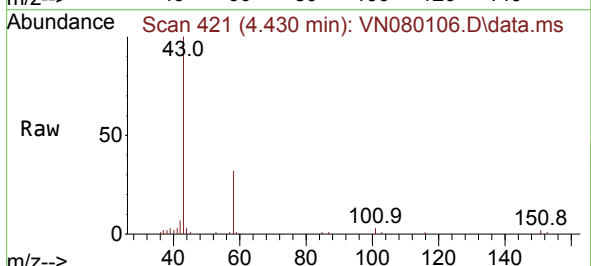


Tgt Ion: 53 Resp: 83966  
Ion Ratio Lower Upper  
53 100  
52 78.5 65.3 97.9  
51 37.7 28.9 43.3



#16  
Acetone  
Concen: 87.545 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Tgt Ion: 43 Resp: 77309  
Ion Ratio Lower Upper  
43 100  
58 32.4 28.0 42.0

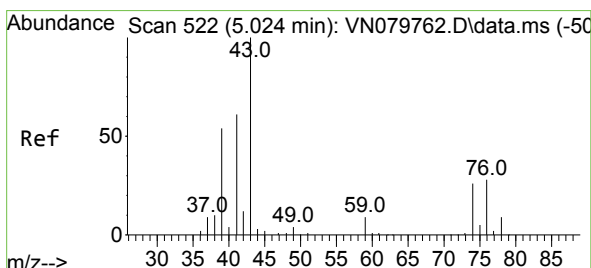
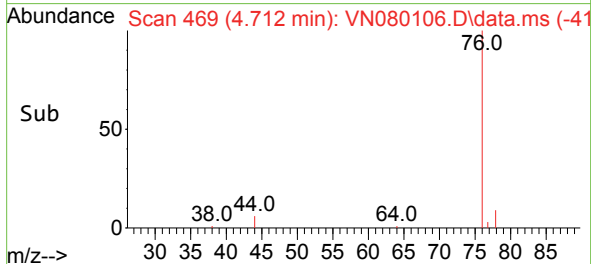
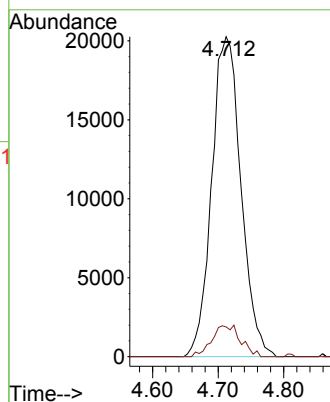
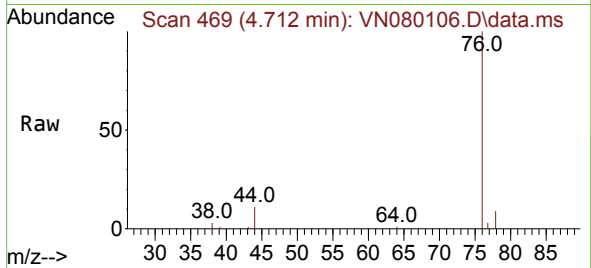




#17  
Carbon Disulfide  
Concen: 12.243 ug/l  
RT: 4.712 min Scan# 469  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

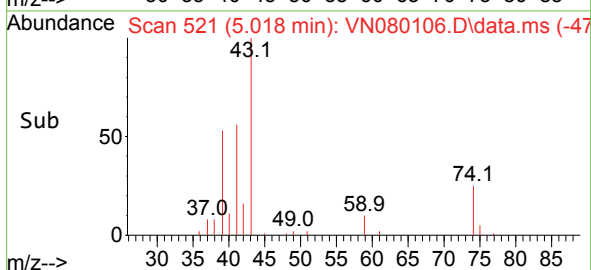
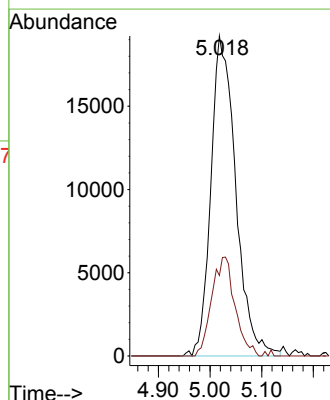
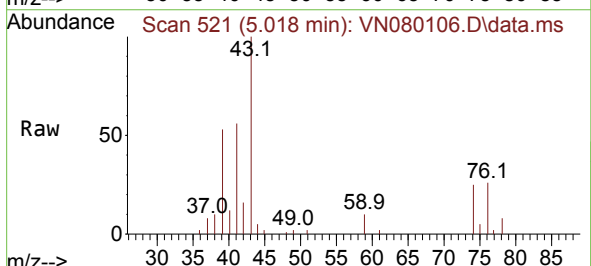
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MSVOA\_N  
ClientSampleId :

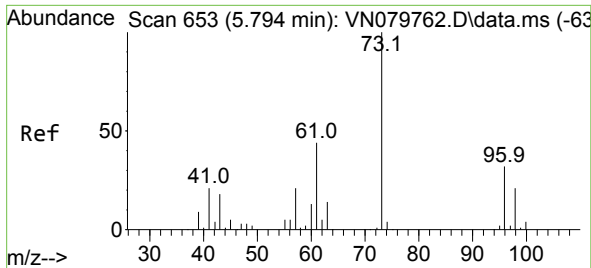
Tgt Ion: 76 Resp: 62728  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.4 11.0



#18  
Methyl Acetate  
Concen: 15.220 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. -0.006 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Tgt Ion: 43 Resp: 64303  
Ion Ratio Lower Upper  
43 100  
74 28.8 26.2 39.4

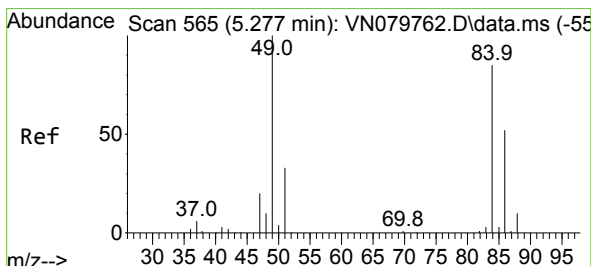
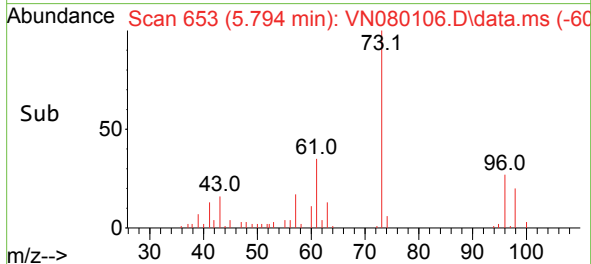
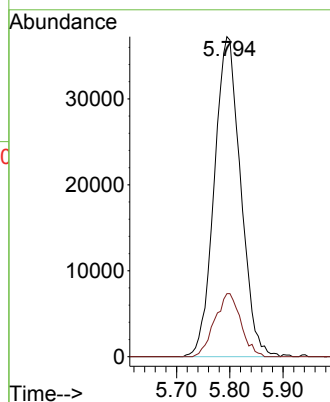
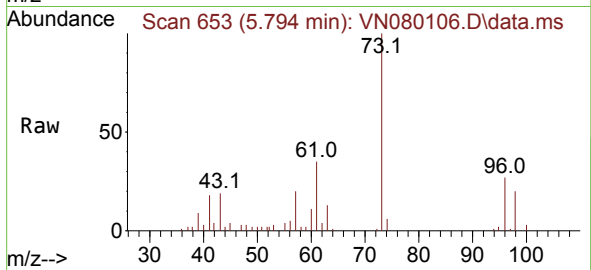




#19  
Methyl tert-butyl Ether  
Concen: 20.904 ug/l  
RT: 5.794 min Scan# 610  
Delta R.T. -0.006 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

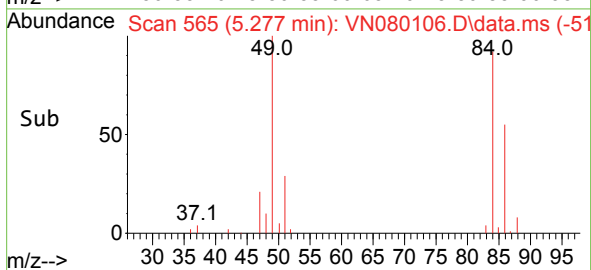
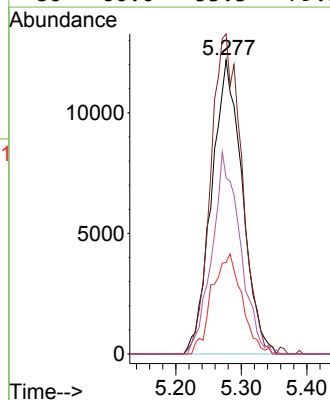
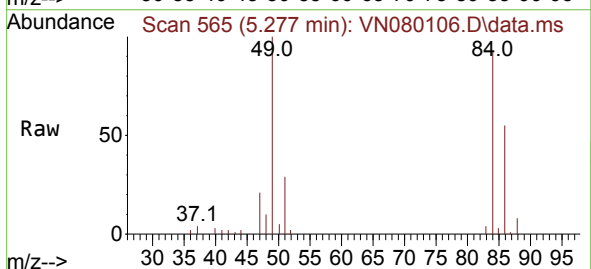
Instrument :  
MSVOA\_N  
ClientSampleId :

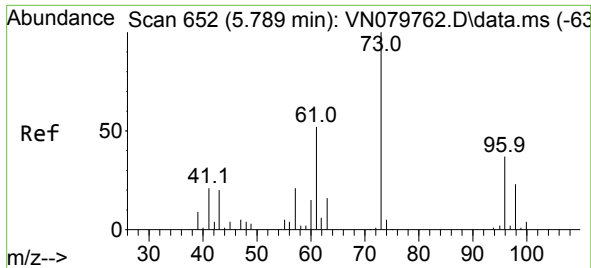
Tgt Ion: 73 Resp: 127833  
Ion Ratio Lower Upper  
73 100  
57 19.7 15.6 23.4



#20  
Methylene Chloride  
Concen: 17.753 ug/l  
RT: 5.277 min Scan# 565  
Delta R.T. 0.006 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Tgt Ion: 84 Resp: 39559  
Ion Ratio Lower Upper  
84 100  
49 109.0 79.7 119.5  
51 31.2 25.2 37.8  
86 60.0 53.3 79.9

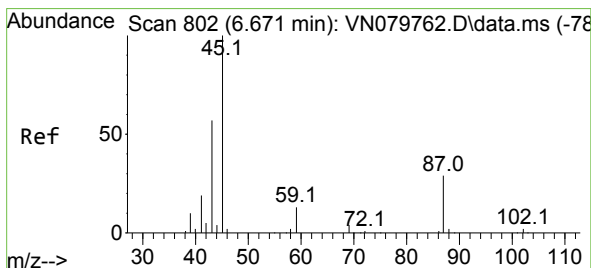
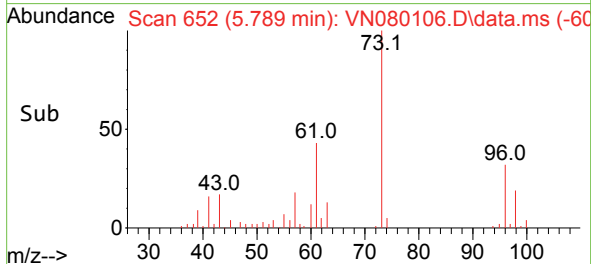
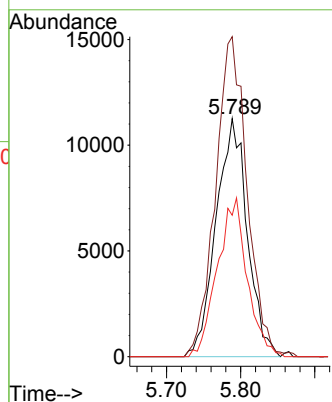
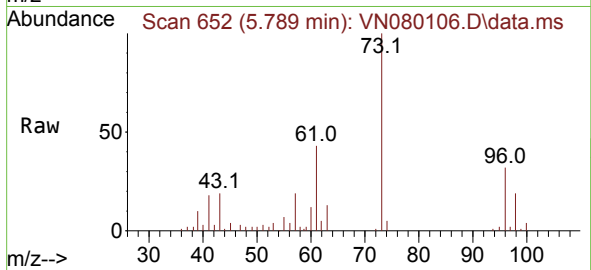




#21  
trans-1,2-Dichloroethene  
Concen: 16.623 ug/l  
RT: 5.789 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

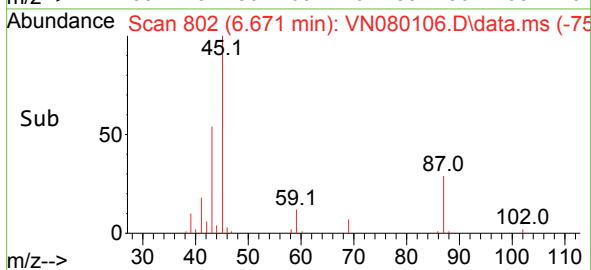
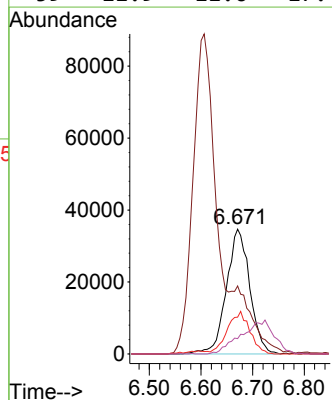
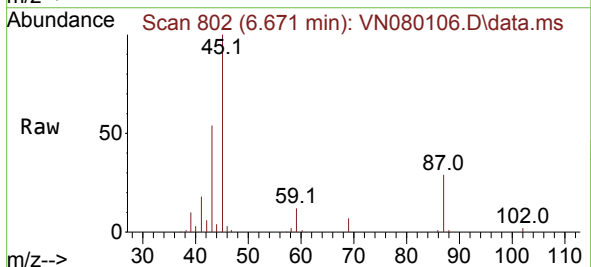
Instrument :  
MSVOA\_N  
ClientSampleId :

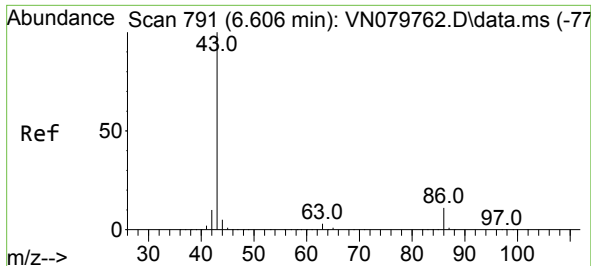
Tgt Ion: 96 Resp: 32930  
Ion Ratio Lower Upper  
96 100  
61 134.4 90.1 135.1  
98 59.4 46.4 69.6



#22  
Diisopropyl ether  
Concen: 17.291 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. -0.006 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Tgt Ion: 45 Resp: 109013  
Ion Ratio Lower Upper  
45 100  
43 50.9 45.5 68.3  
87 29.4 31.8 47.8#  
59 11.9 11.6 17.4

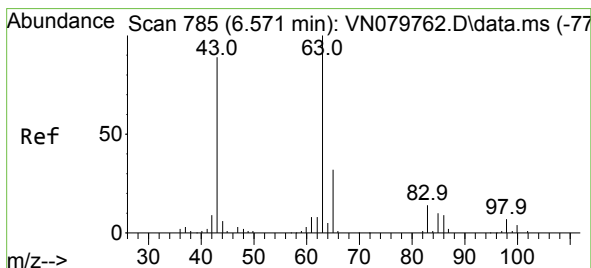
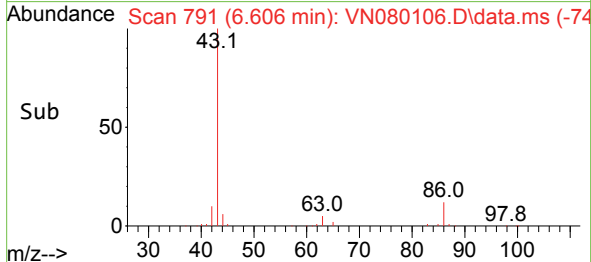
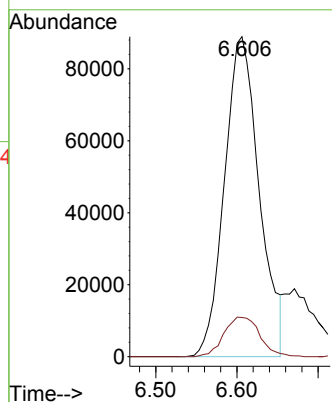
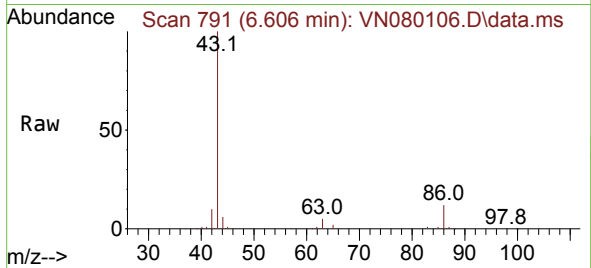




#23  
 Vinyl Acetate  
 Concen: 76.189 ug/l  
 RT: 6.606 min Scan# 791  
 Delta R.T. 0.000 min  
 Lab File: VN080106.D  
 Acq: 15 Nov 2023 13:31

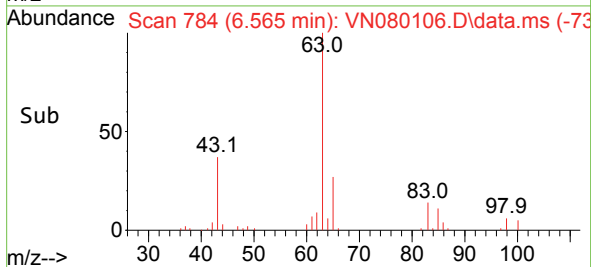
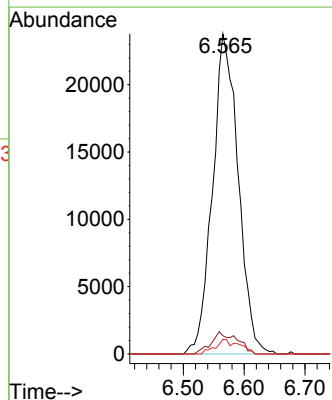
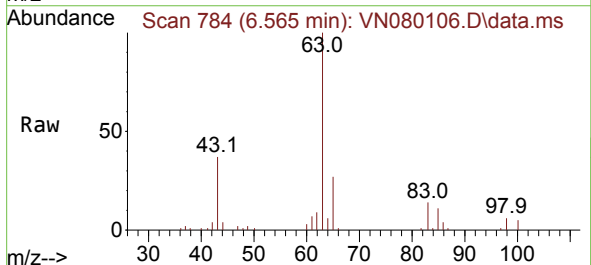
Instrument :  
 MSVOA\_N  
 ClientSampleId :

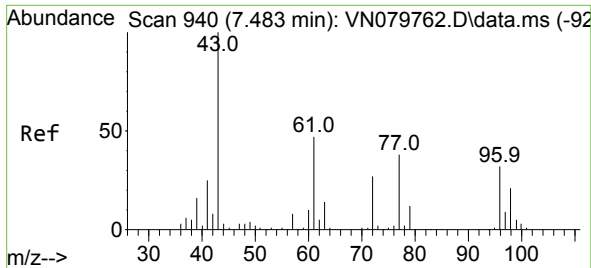
Tgt Ion: 43 Resp: 264949  
 Ion Ratio Lower Upper  
 43 100  
 86 12.2 13.0 19.6#



#24  
 1,1-Dichloroethane  
 Concen: 18.153 ug/l  
 RT: 6.565 min Scan# 784  
 Delta R.T. -0.006 min  
 Lab File: VN080106.D  
 Acq: 15 Nov 2023 13:31

Tgt Ion: 63 Resp: 69561  
 Ion Ratio Lower Upper  
 63 100  
 98 5.7 3.9 11.7  
 100 4.5 2.5 7.4

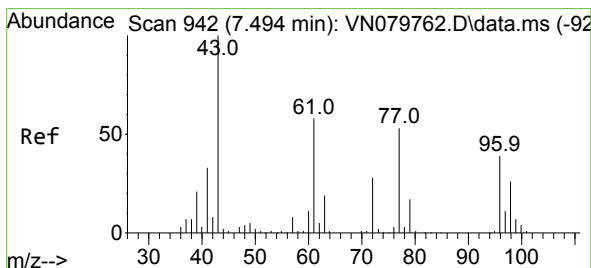
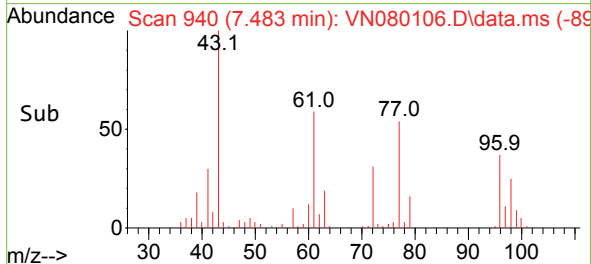
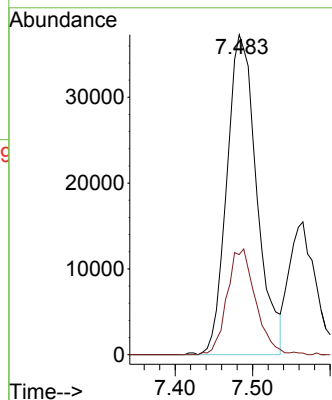
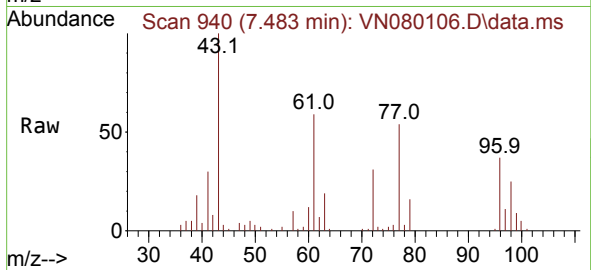




#25  
2-Butanone  
Concen: 77.577 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. -0.006 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

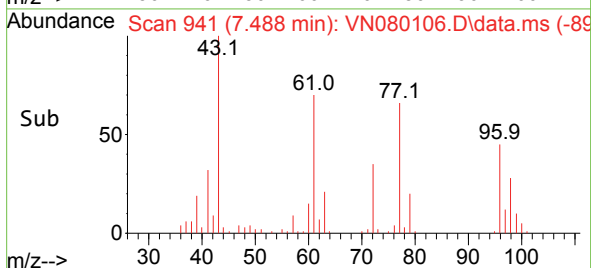
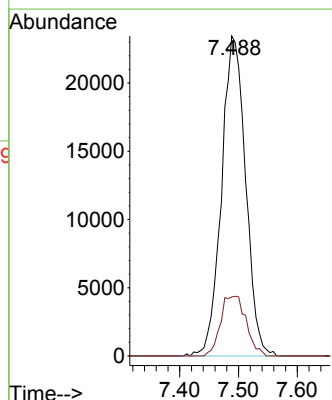
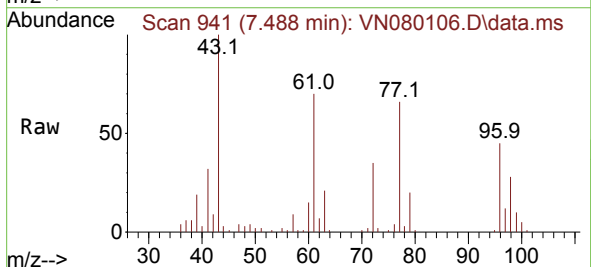
Instrument :  
MSVOA\_N  
ClientSampleId :

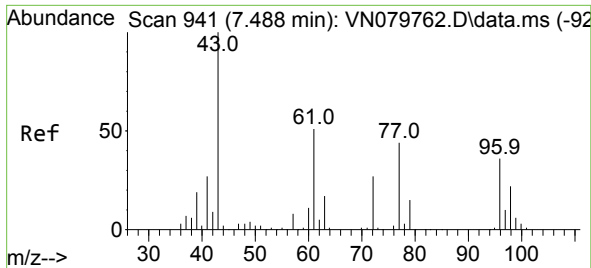
Tgt Ion: 43 Resp: 100318  
Ion Ratio Lower Upper  
43 100  
72 31.3 30.2 45.2



#26  
2,2-Dichloropropane  
Concen: 21.029 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

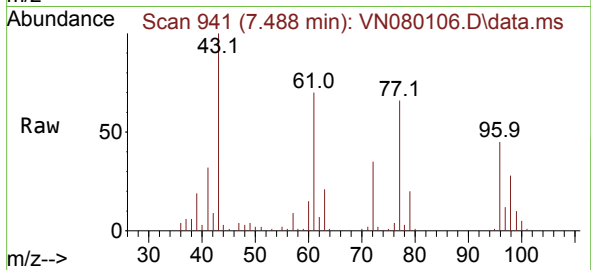
Tgt Ion: 77 Resp: 66641  
Ion Ratio Lower Upper  
77 100  
97 19.9 11.2 33.6



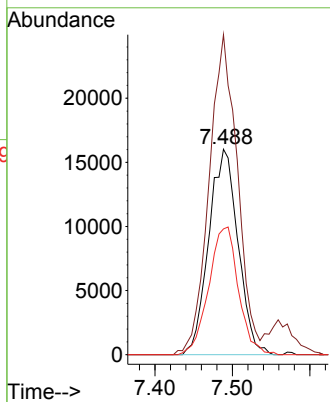
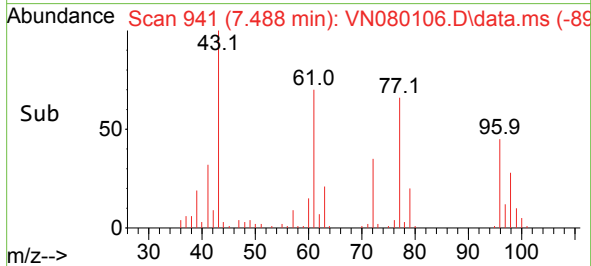


#27  
cis-1,2-Dichloroethene  
Concen: 17.753 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Instrument :  
MSVOA\_N  
ClientSampleId :

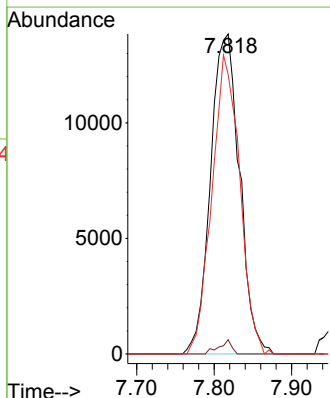
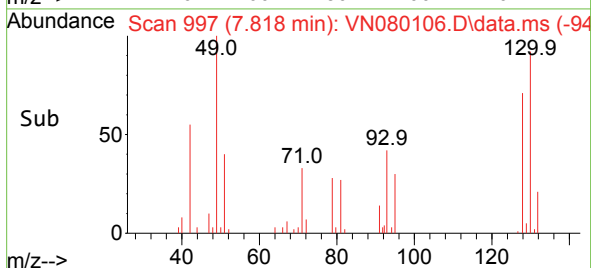
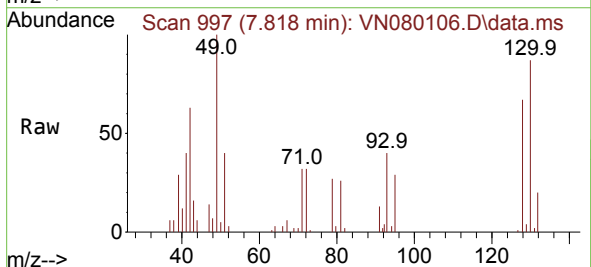


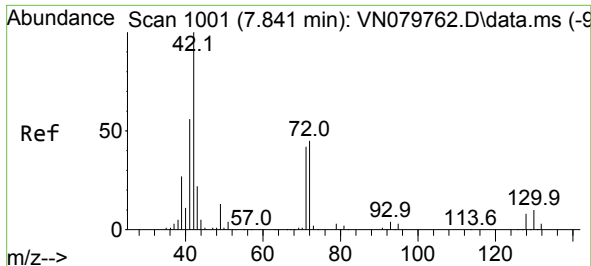
Tgt Ion: 96 Resp: 42068  
Ion Ratio Lower Upper  
96 100  
61 150.8 0.0 255.2  
98 63.0 0.0 128.8



#28  
Bromochloromethane  
Concen: 19.295 ug/l  
RT: 7.818 min Scan# 997  
Delta R.T. 0.006 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Tgt Ion: 49 Resp: 36031  
Ion Ratio Lower Upper  
49 100  
129 1.9 0.0 4.8  
130 89.6 75.3 112.9





#29

Tetrahydrofuran

Concen: 72.018 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.000 min

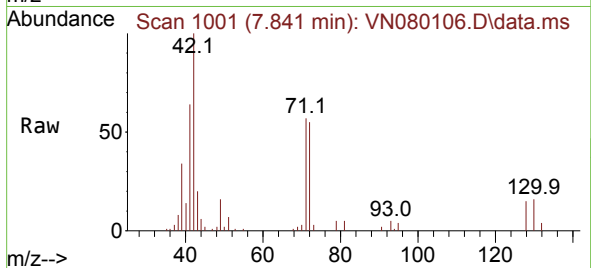
Lab File: VN080106.D

Acq: 15 Nov 2023 13:31

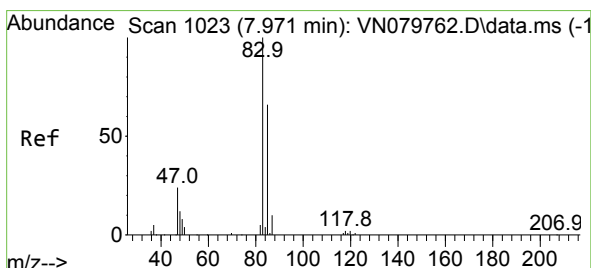
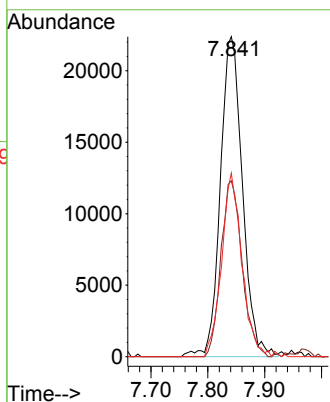
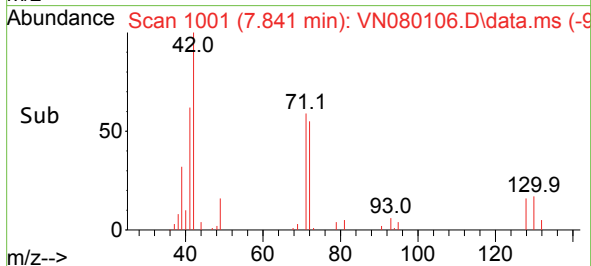
Instrument :

MSVOA\_N

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 60591 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 52.6  | 49.8  | 74.6  |
| 71       | 52.6  | 47.4  | 71.2  |



#30

Chloroform

Concen: 20.140 ug/l

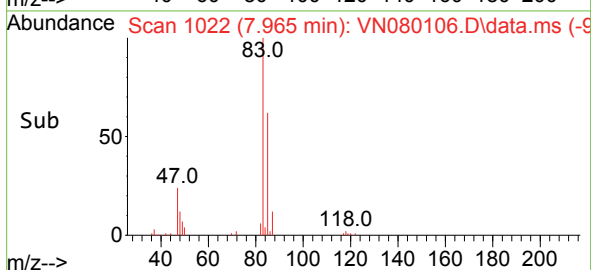
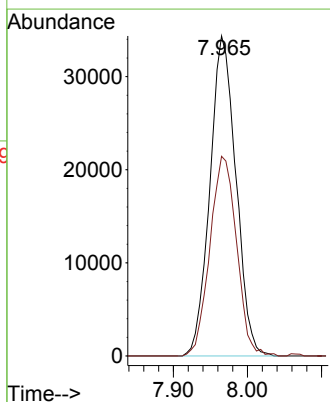
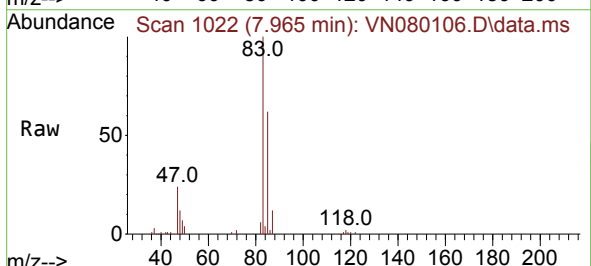
RT: 7.965 min Scan# 1022

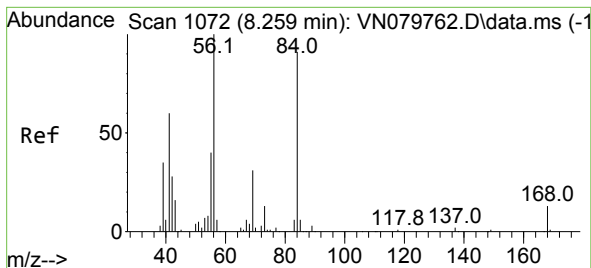
Delta R.T. -0.006 min

Lab File: VN080106.D

Acq: 15 Nov 2023 13:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 83829 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 62.4  | 55.4  | 83.0  |

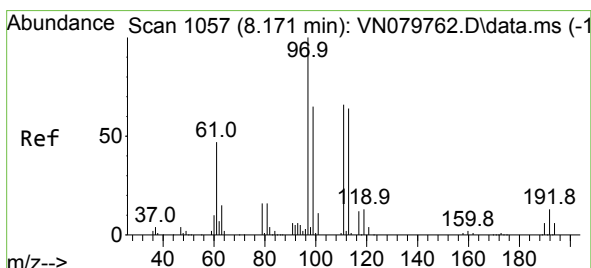
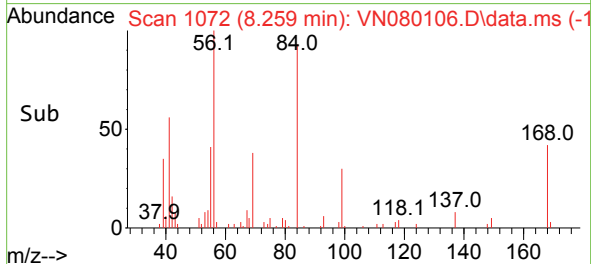
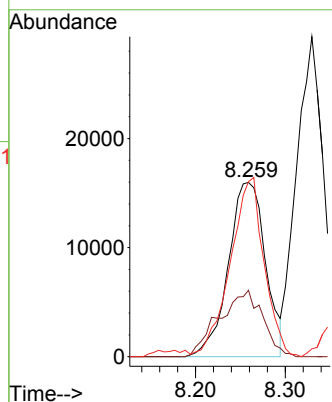
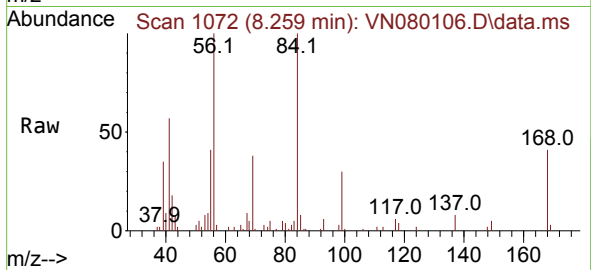




#31  
Cyclohexane  
Concen: 13.815 ug/l  
RT: 8.259 min Scan# 1072  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

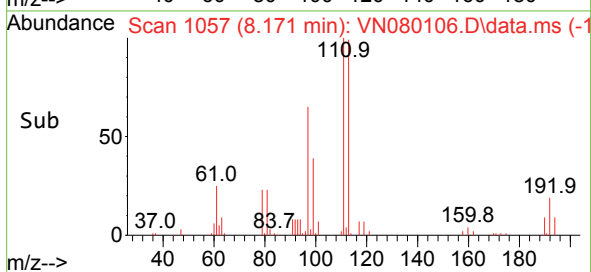
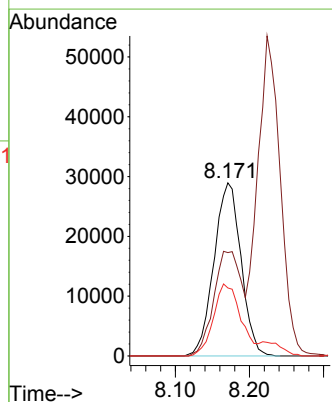
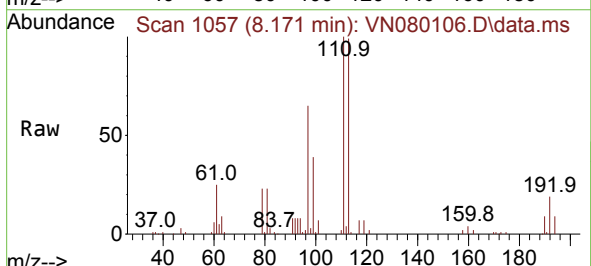
Instrument :  
MSVOA\_N  
ClientSampleId :

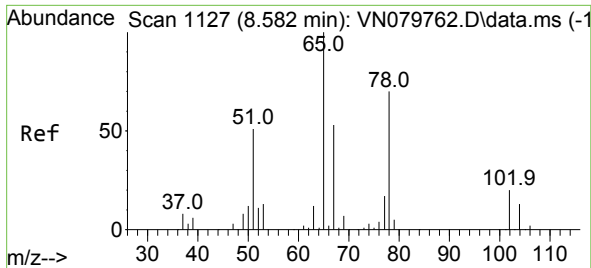
Tgt Ion: 56 Resp: 45894  
Ion Ratio Lower Upper  
56 100  
69 38.1 26.8 40.2  
84 98.1 81.8 122.6



#32  
1,1,1-Trichloroethane  
Concen: 21.611 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Tgt Ion: 97 Resp: 73291  
Ion Ratio Lower Upper  
97 100  
99 62.1 50.3 75.5  
61 42.5 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 57.785 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN080106.D

Acq: 15 Nov 2023 13:31

Instrument :

MSVOA\_N

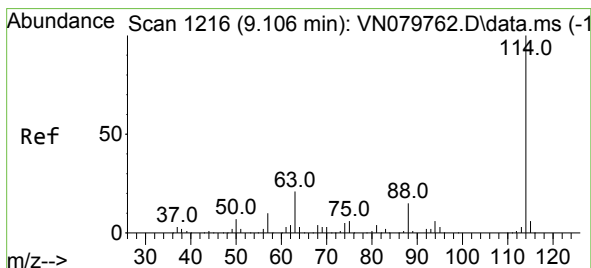
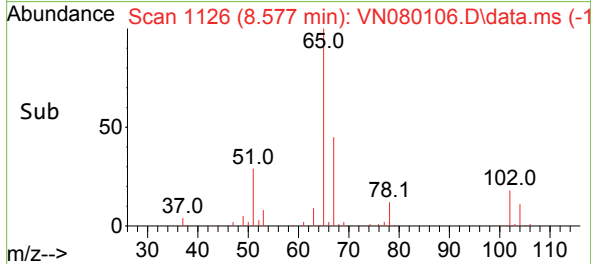
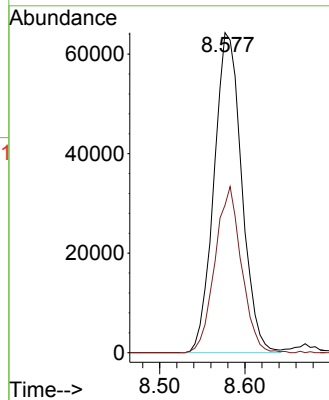
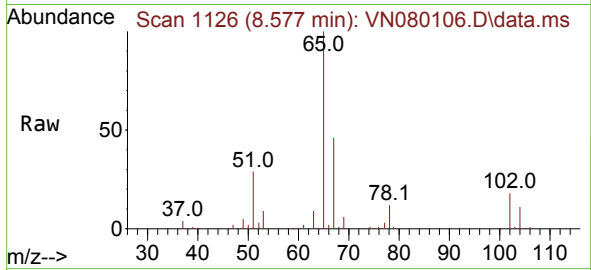
ClientSampleId :

Tgt Ion: 65 Resp: 145273

Ion Ratio Lower Upper

65 100

67 49.6 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN080106.D

Acq: 15 Nov 2023 13:31

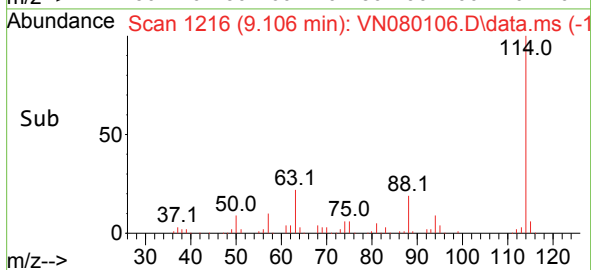
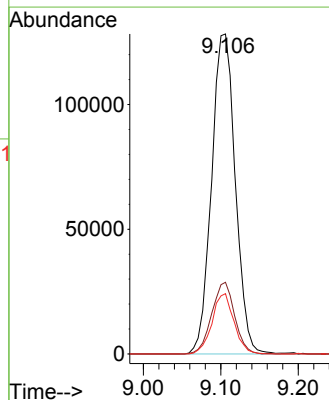
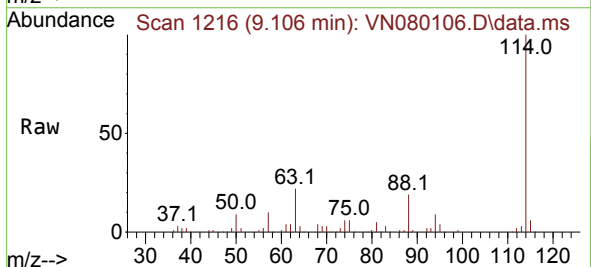
Tgt Ion: 114 Resp: 273156

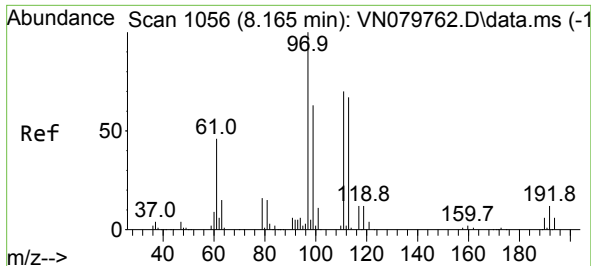
Ion Ratio Lower Upper

114 100

63 22.4 0.0 36.4

88 18.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 55.211 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN080106.D

Acq: 15 Nov 2023 13:31

Instrument :

MSVOA\_N

ClientSampleId :

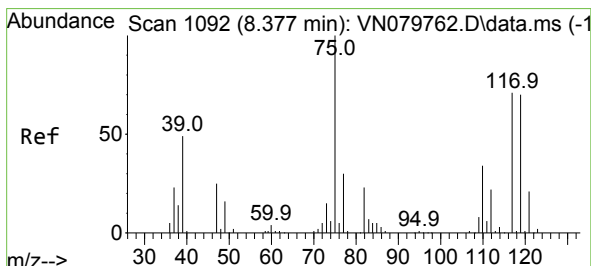
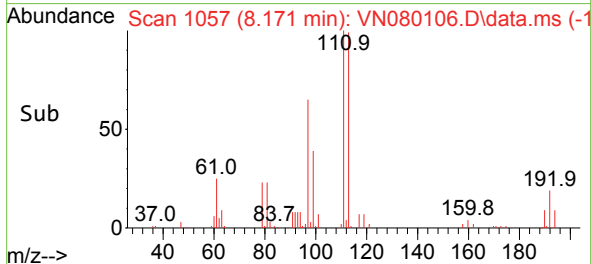
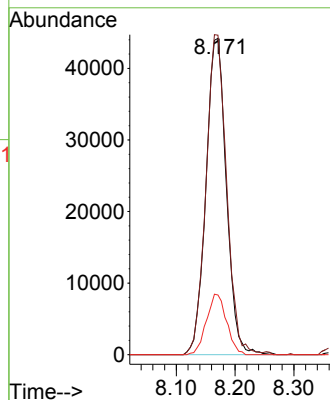
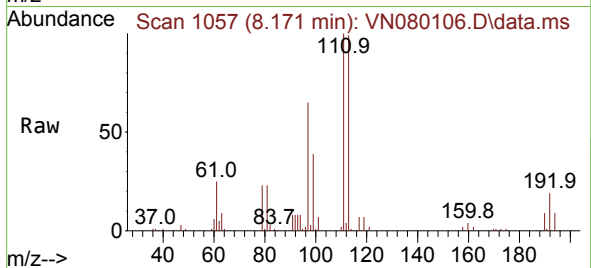
Tgt Ion:113 Resp: 106738

Ion Ratio Lower Upper

113 100

111 101.9 82.6 123.8

192 18.9 12.7 19.1



#36

1,1-Dichloropropene

Concen: 17.348 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. -0.006 min

Lab File: VN080106.D

Acq: 15 Nov 2023 13:31

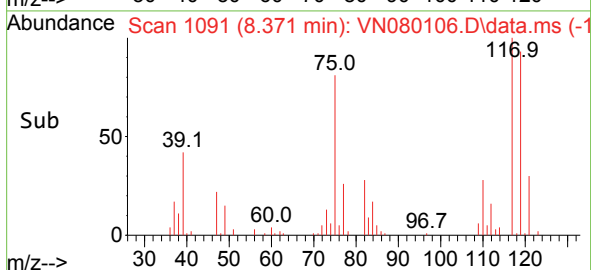
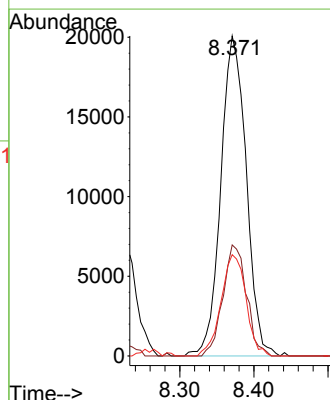
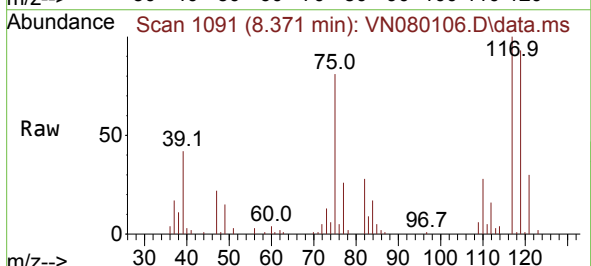
Tgt Ion: 75 Resp: 47888

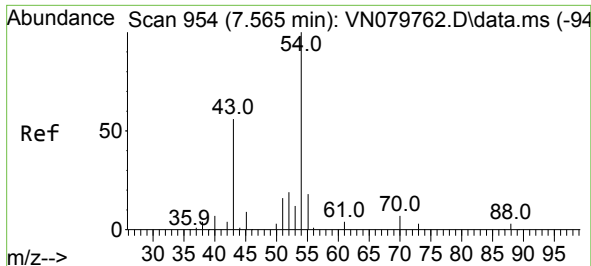
Ion Ratio Lower Upper

75 100

110 32.3 19.1 57.3

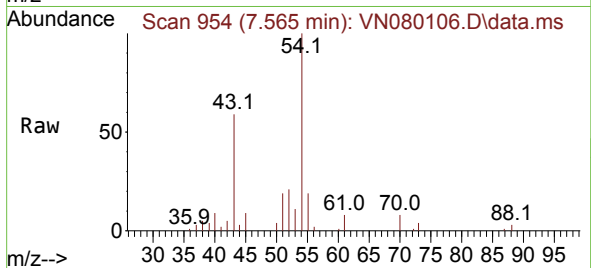
77 31.0 25.0 37.4



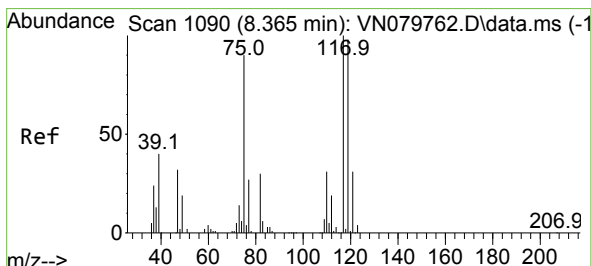
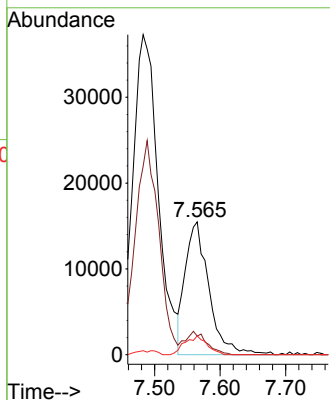
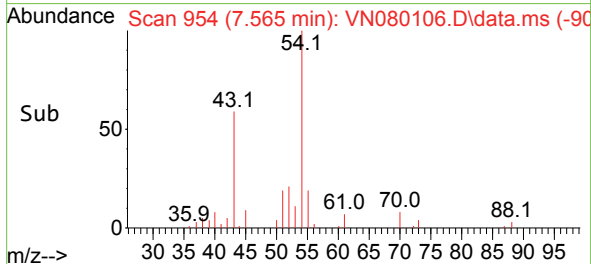


#37  
Ethyl Acetate  
Concen: 15.306 ug/l  
RT: 7.565 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Instrument :  
MSVOA\_N  
ClientSampleId :

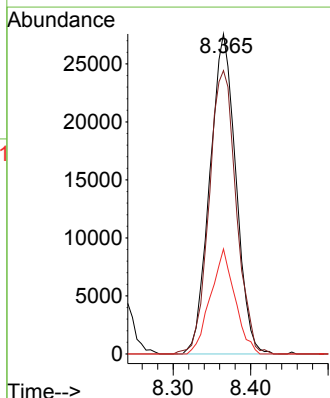
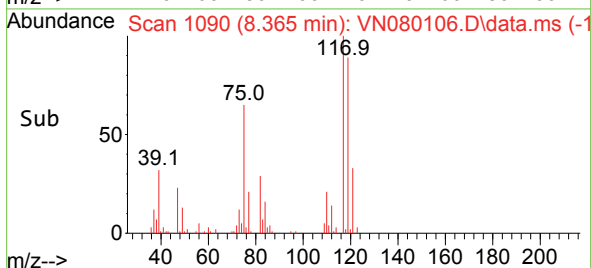
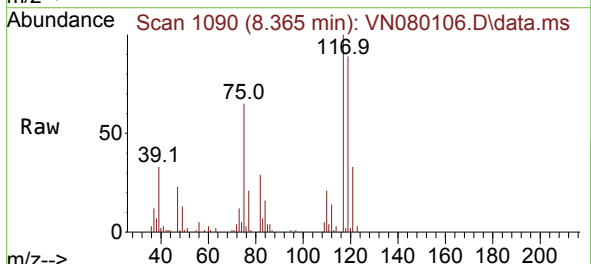


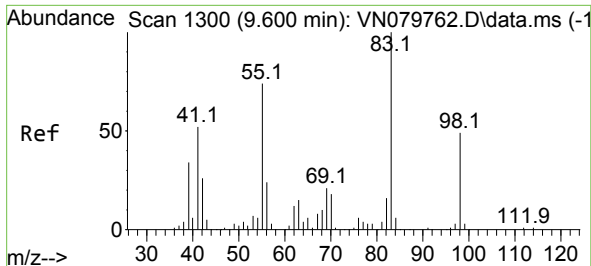
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 38750 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 15.9  | 13.2  | 19.8  |
| 70       | 13.3  | 11.3  | 16.9  |



#38  
Carbon Tetrachloride  
Concen: 23.206 ug/l  
RT: 8.365 min Scan# 1090  
Delta R.T. 0.006 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 64559 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 88.6  | 77.3  | 115.9 |
| 121      | 32.8  | 23.3  | 34.9  |





#39

Methylcyclohexane

Concen: 15.176 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN080106.D

Acq: 15 Nov 2023 13:31

Instrument :

MSVOA\_N

ClientSampleId :

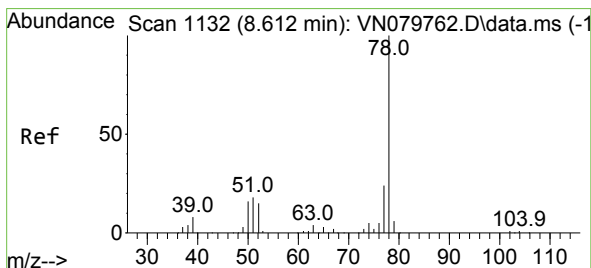
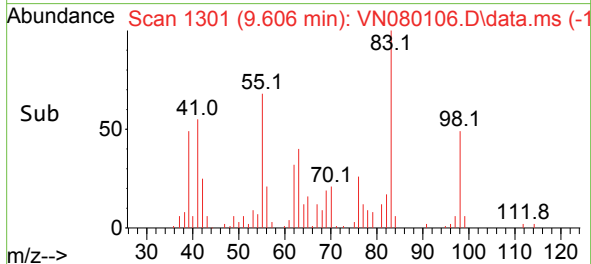
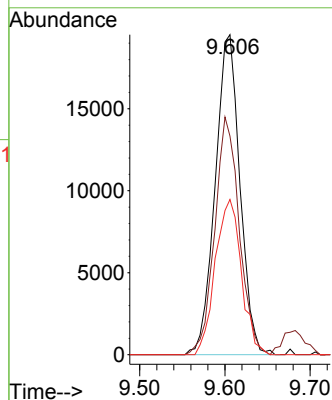
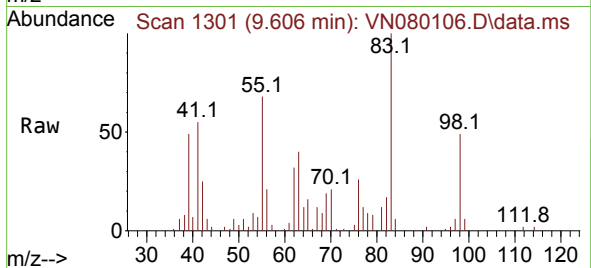
Tgt Ion: 83 Resp: 39424

Ion Ratio Lower Upper

83 100

55 68.3 49.1 73.7

98 48.5 40.6 61.0



#40

Benzene

Concen: 18.163 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VN080106.D

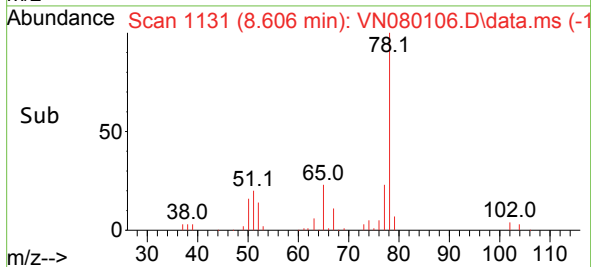
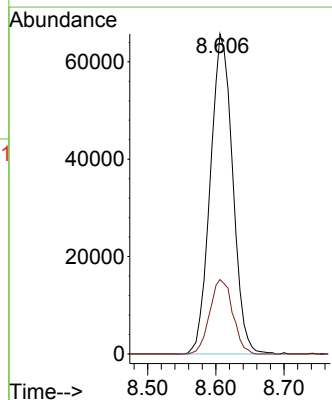
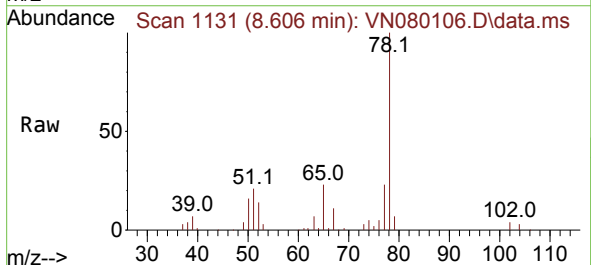
Acq: 15 Nov 2023 13:31

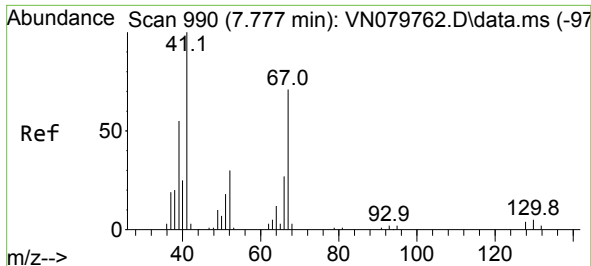
Tgt Ion: 78 Resp: 150166

Ion Ratio Lower Upper

78 100

77 23.3 19.0 28.6

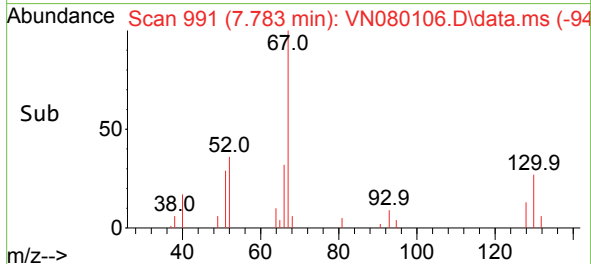
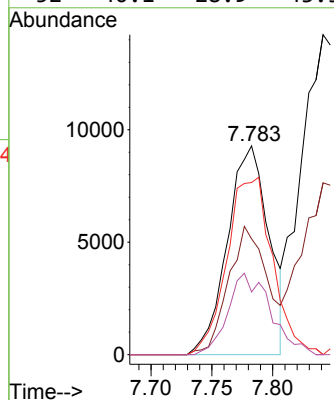
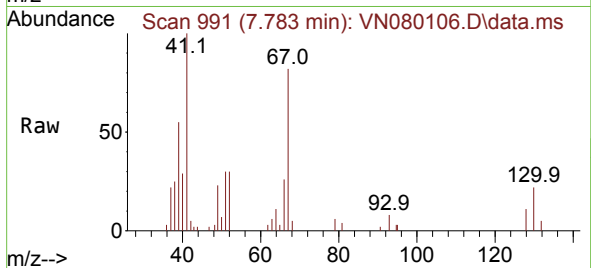




#41  
Methacrylonitrile  
Concen: 16.357 ug/l  
RT: 7.783 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

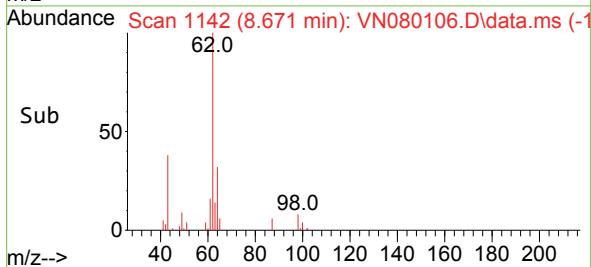
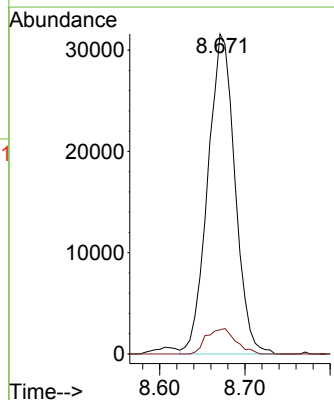
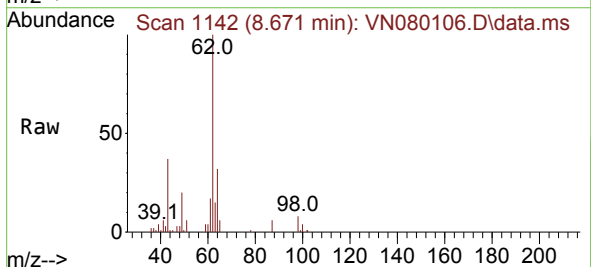
Instrument :  
MSVOA\_N  
ClientSampleId :

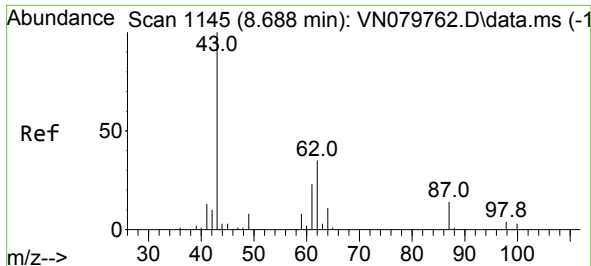
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 21989 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 57.9  | 42.6  | 64.0  |
| 67       | 93.6  | 77.5  | 116.3 |
| 52       | 40.1  | 28.9  | 43.3  |



#42  
1,2-Dichloroethane  
Concen: 24.206 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 69908 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 8.6   | 0.0   | 19.8  |

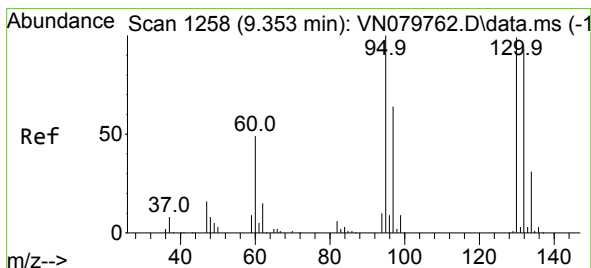
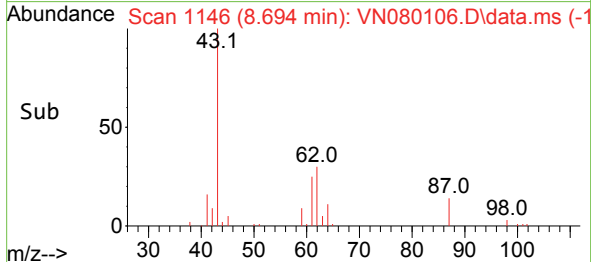
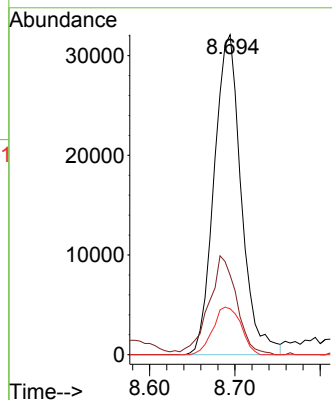
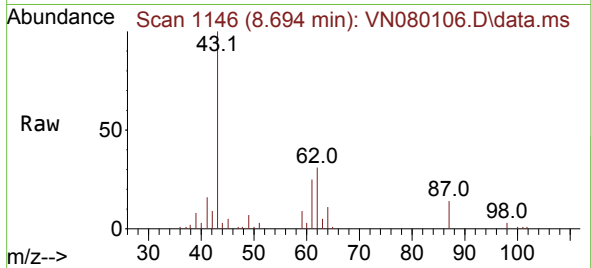




#43  
Isopropyl Acetate  
Concen: 15.993 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

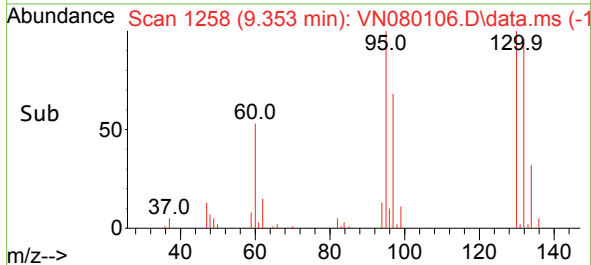
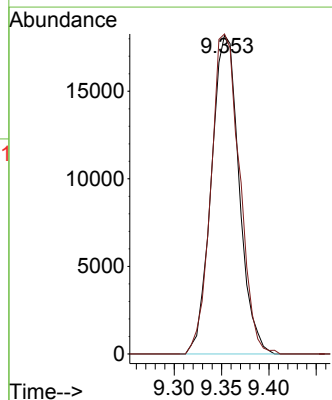
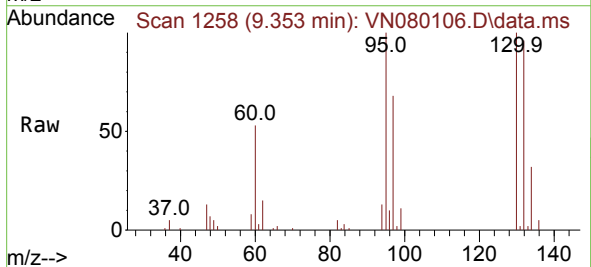
Instrument :  
MSVOA\_N  
ClientSampleId :

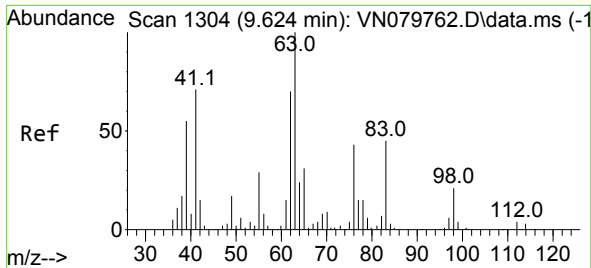
Tgt Ion: 43 Resp: 71006  
Ion Ratio Lower Upper  
43 100  
61 32.0 24.7 37.1  
87 15.4 14.6 21.8



#44  
Trichloroethene  
Concen: 18.099 ug/l  
RT: 9.353 min Scan# 1258  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Tgt Ion:130 Resp: 37132  
Ion Ratio Lower Upper  
130 100  
95 100.4 0.0 204.6

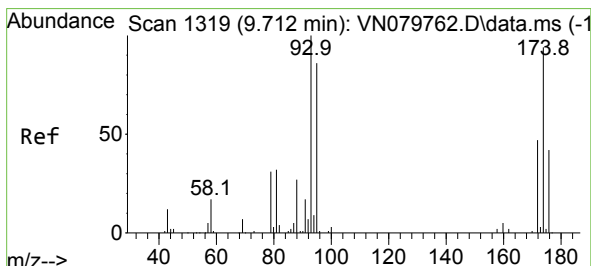
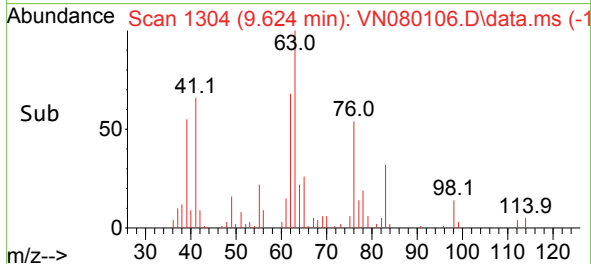
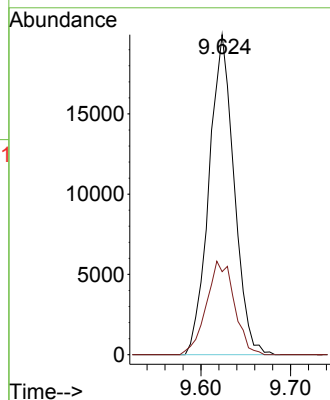
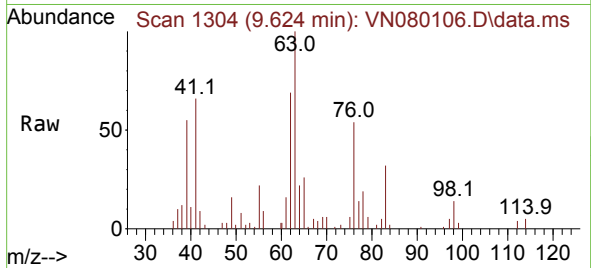




#45  
1,2-Dichloropropane  
Concen: 18.317 ug/l  
RT: 9.624 min Scan# 1304  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

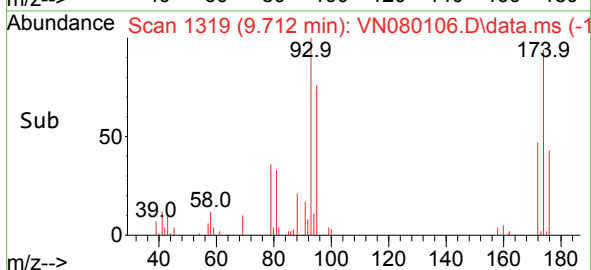
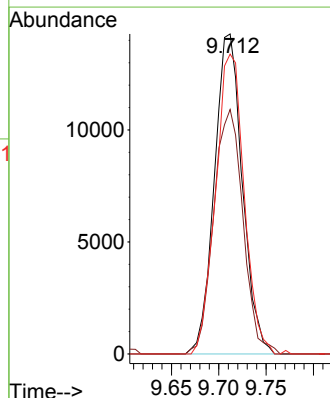
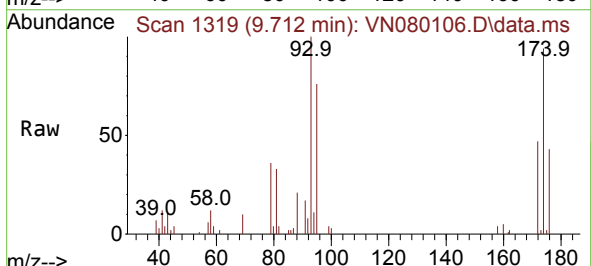
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 63 Resp: 38702  
Ion Ratio Lower Upper  
63 100  
65 25.9 23.9 35.9



#46  
Dibromomethane  
Concen: 20.324 ug/l  
RT: 9.712 min Scan# 1319  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Tgt Ion: 93 Resp: 29322  
Ion Ratio Lower Upper  
93 100  
95 80.1 63.8 95.8  
174 95.8 65.6 98.4

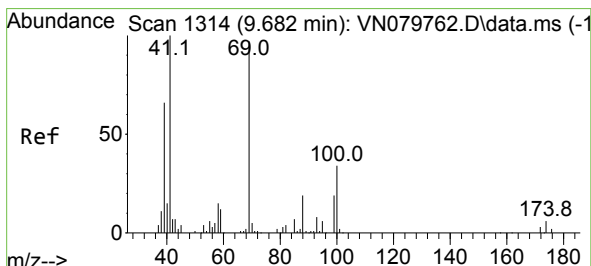
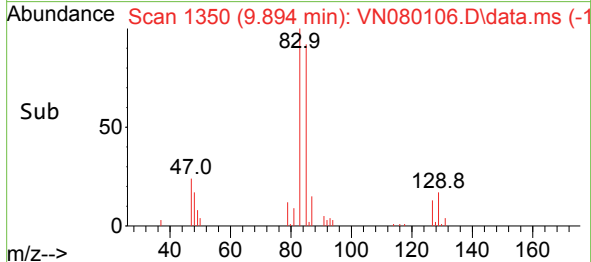
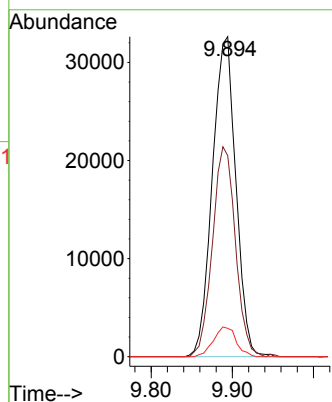
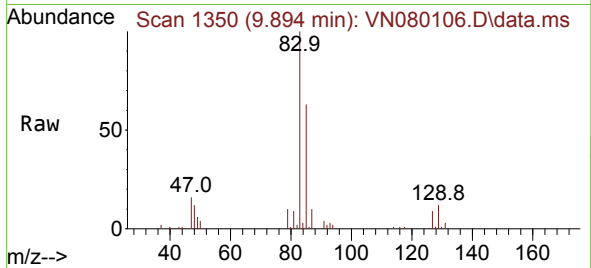




#47  
Bromodichloromethane  
Concen: 21.313 ug/l  
RT: 9.894 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

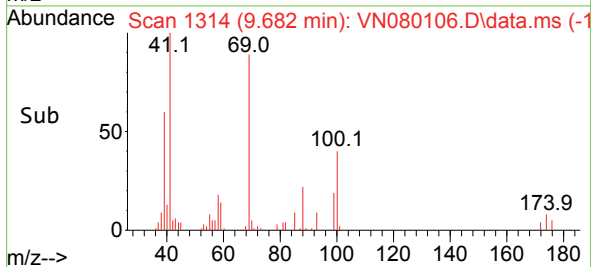
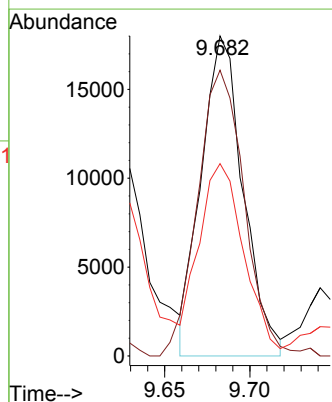
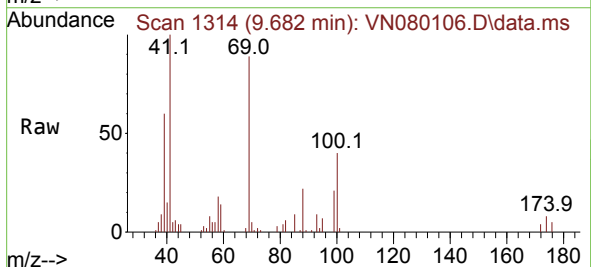
Instrument :  
MSVOA\_N  
ClientSampleId :

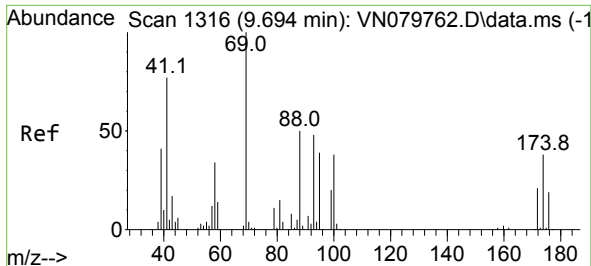
Tgt Ion: 83 Resp: 65578  
Ion Ratio Lower Upper  
83 100  
85 62.8 49.6 74.4  
127 8.9 7.0 10.6



#48  
Methyl methacrylate  
Concen: 15.873 ug/l  
RT: 9.682 min Scan# 1314  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Tgt Ion: 41 Resp: 30867  
Ion Ratio Lower Upper  
41 100  
69 99.7 90.4 135.6  
39 64.7 54.6 81.8





#49

1,4-Dioxane

Concen: 393.723 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN080106.D

Acq: 15 Nov 2023 13:31

Instrument :

MSVOA\_N

ClientSampleId :

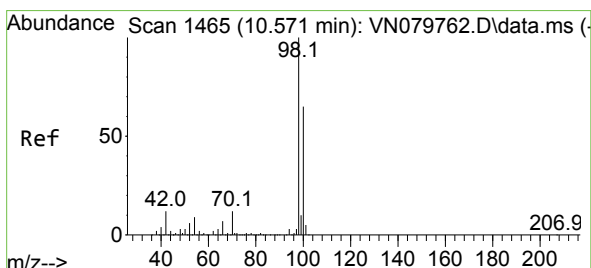
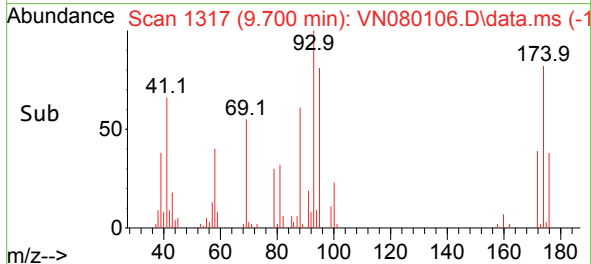
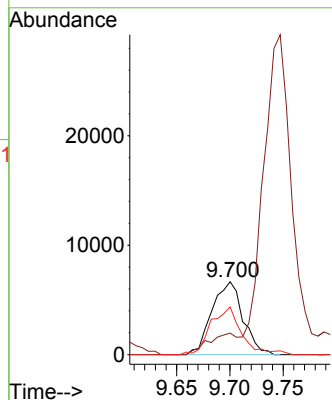
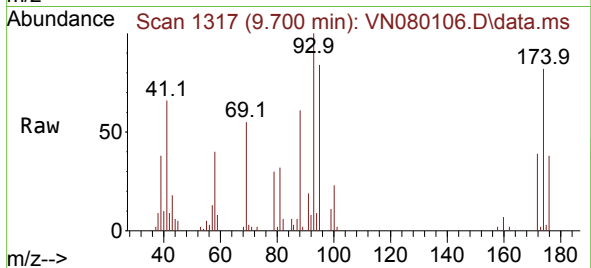
Tgt Ion: 88 Resp: 13529

Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 64.8 47.0 70.4



#50

Toluene-d8

Concen: 49.210 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN080106.D

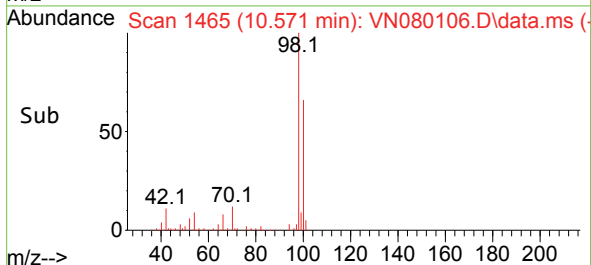
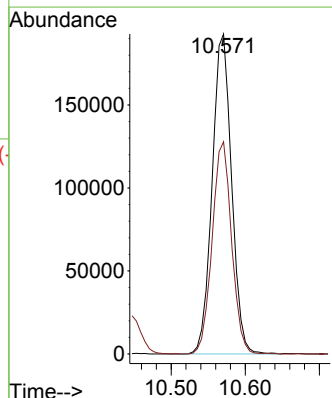
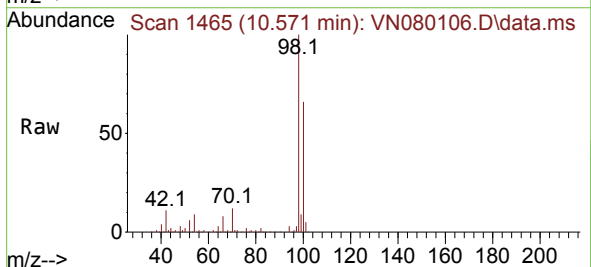
Acq: 15 Nov 2023 13:31

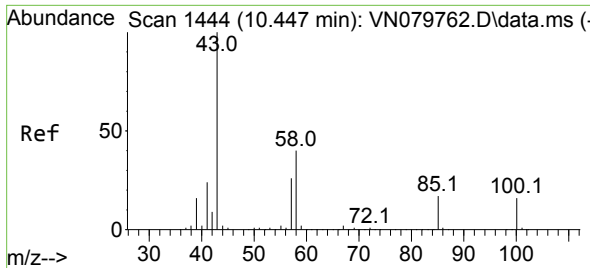
Tgt Ion: 98 Resp: 350232

Ion Ratio Lower Upper

98 100

100 66.4 52.0 78.0

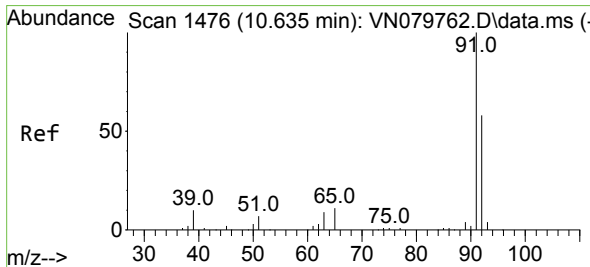
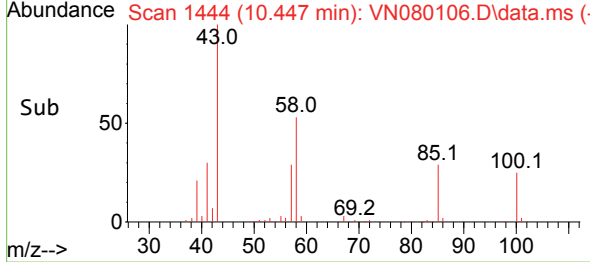
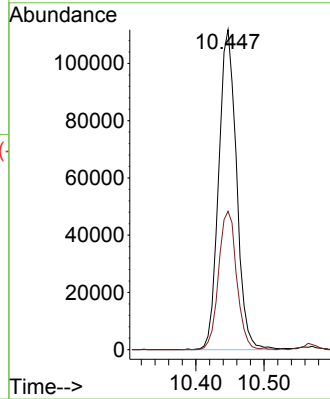
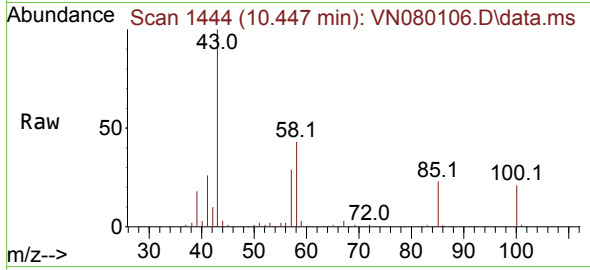




#51  
4-Methyl-2-Pentanone  
Concen: 81.395 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

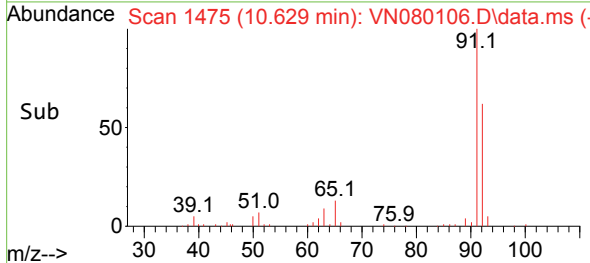
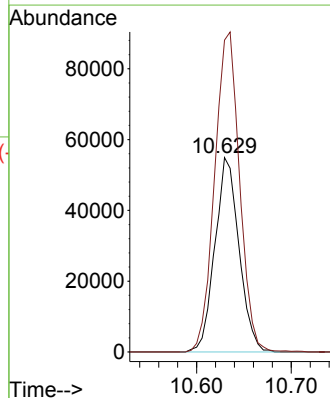
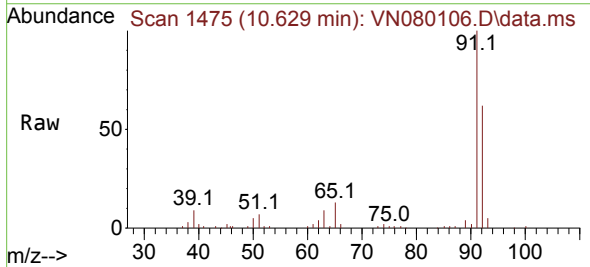
Instrument :  
MSVOA\_N  
ClientSampleId :

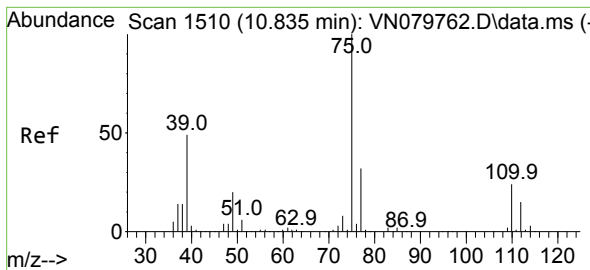
Tgt Ion: 43 Resp: 203447  
Ion Ratio Lower Upper  
43 100  
58 44.0 36.6 54.8



#52  
Toluene  
Concen: 19.826 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. -0.006 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Tgt Ion: 92 Resp: 97178  
Ion Ratio Lower Upper  
92 100  
91 170.3 137.4 206.0

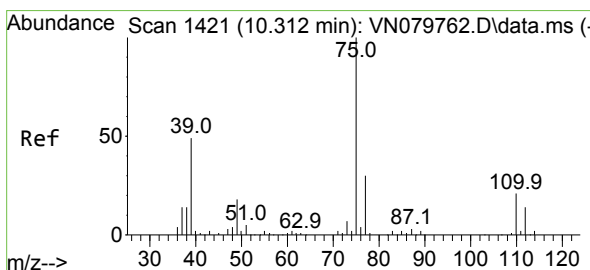
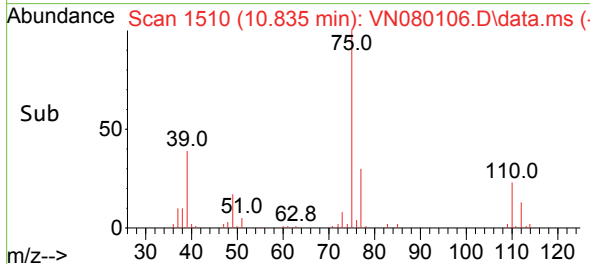
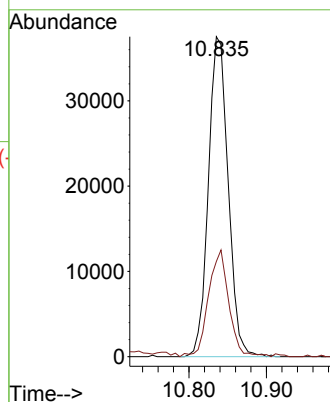
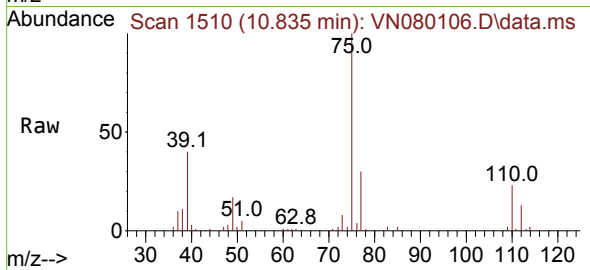




#53  
 t-1,3-Dichloropropene  
 Concen: 22.050 ug/l  
 RT: 10.835 min Scan# 1510  
 Delta R.T. -0.006 min  
 Lab File: VN080106.D  
 Acq: 15 Nov 2023 13:31

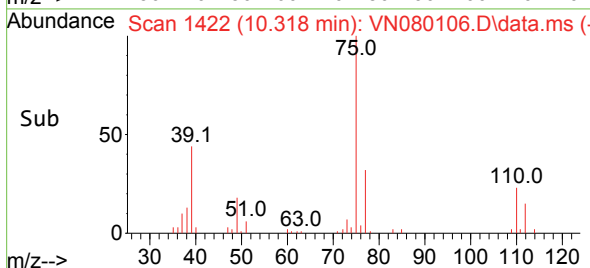
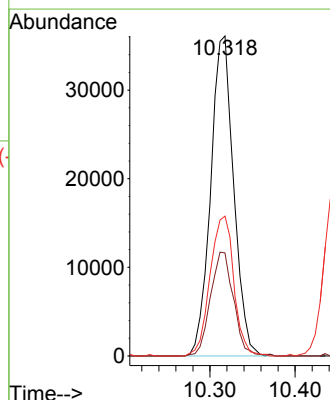
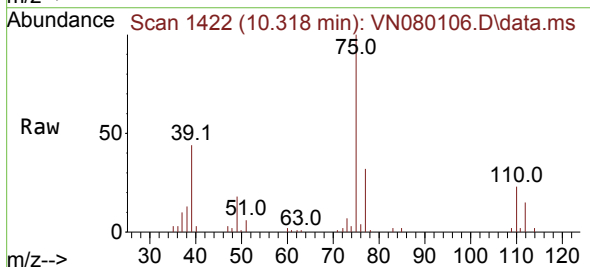
Instrument :  
 MSVOA\_N  
 ClientSampleId :

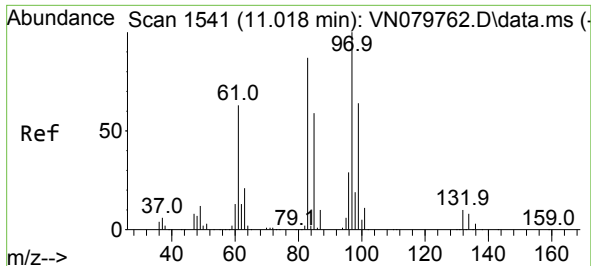
Tgt Ion: 75 Resp: 66508  
 Ion Ratio Lower Upper  
 75 100  
 77 29.7 25.4 38.0



#54  
 cis-1,3-Dichloropropene  
 Concen: 20.621 ug/l  
 RT: 10.318 min Scan# 1422  
 Delta R.T. 0.000 min  
 Lab File: VN080106.D  
 Acq: 15 Nov 2023 13:31

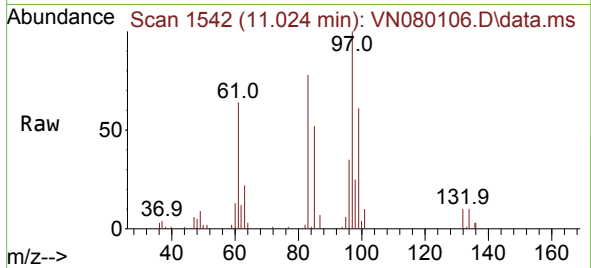
Tgt Ion: 75 Resp: 67796  
 Ion Ratio Lower Upper  
 75 100  
 77 32.2 26.1 39.1  
 39 43.7 31.6 47.4



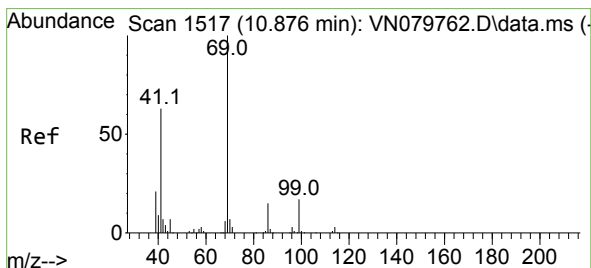
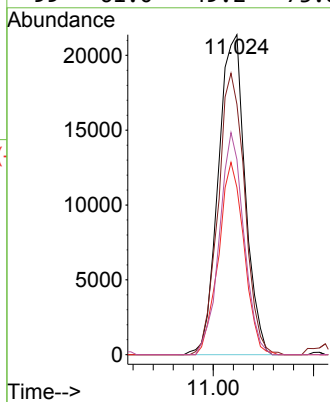
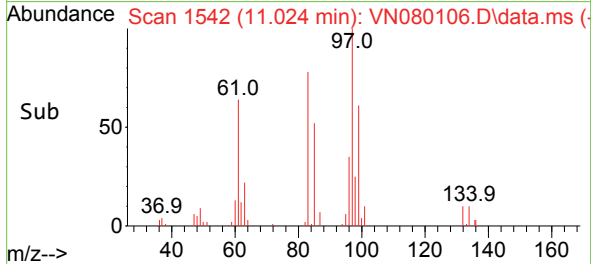


#55  
1,1,2-Trichloroethane  
Concen: 20.182 ug/l  
RT: 11.024 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

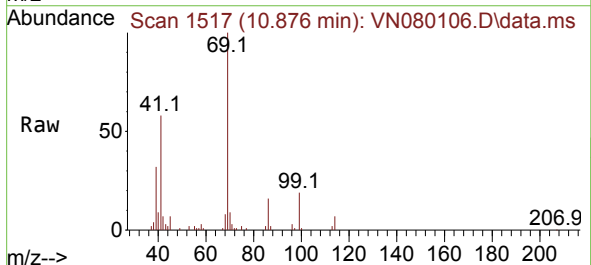
Instrument :  
MSVOA\_N  
ClientSampleId :



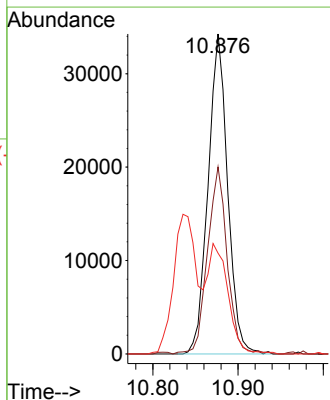
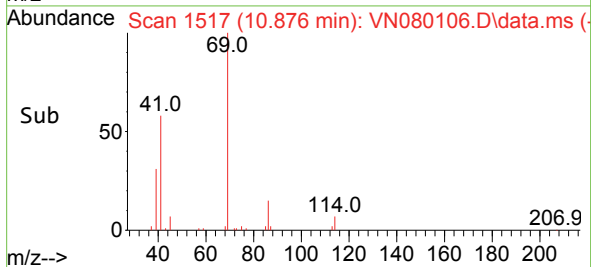
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 39788 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 78.3  | 65.1  | 97.7  |
| 85       | 52.2  | 43.4  | 65.2  |
| 99       | 61.0  | 49.2  | 73.8  |

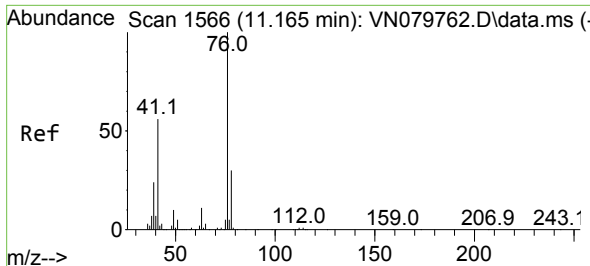


#56  
Ethyl methacrylate  
Concen: 19.479 ug/l  
RT: 10.876 min Scan# 1517  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 54777 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 58.8  | 39.6  | 59.4  |
| 39       | 35.4  | 28.6  | 43.0  |





#57

1,3-Dichloropropane

Concen: 20.547 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. 0.000 min

Lab File: VN080106.D

Acq: 15 Nov 2023 13:31

Instrument :

MSVOA\_N

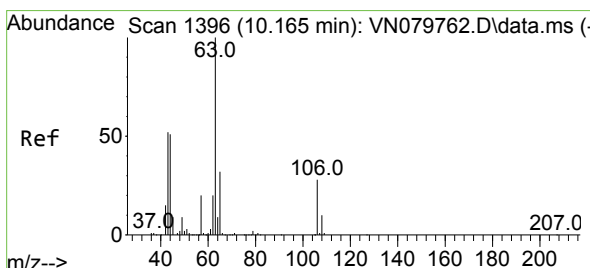
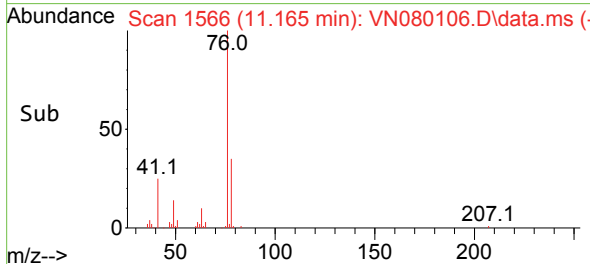
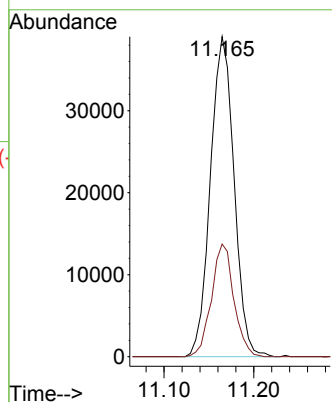
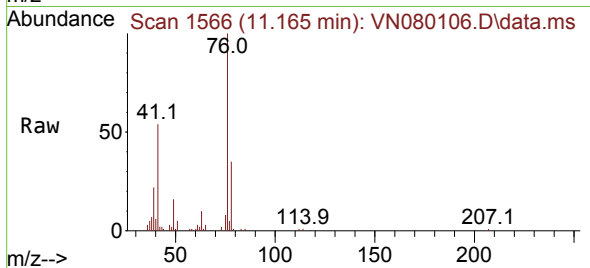
ClientSampleId :

Tgt Ion: 76 Resp: 71401

Ion Ratio Lower Upper

76 100

78 33.4 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 98.981 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.006 min

Lab File: VN080106.D

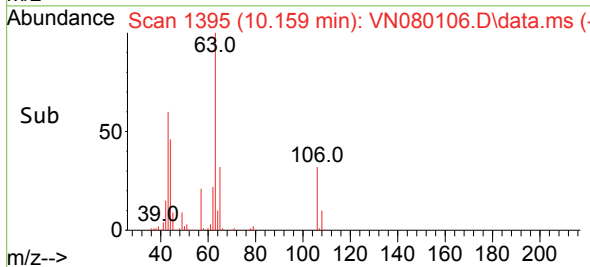
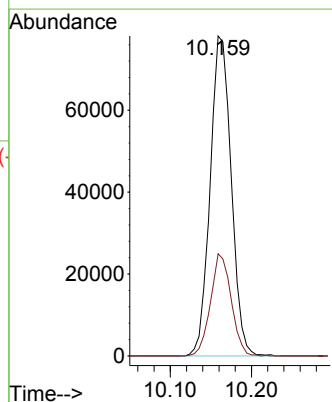
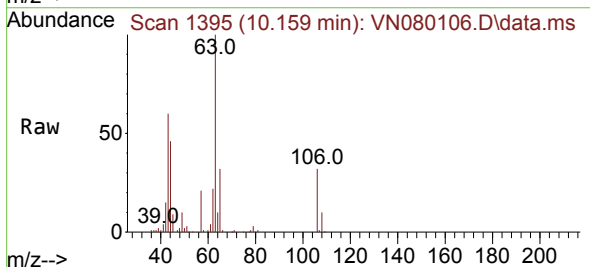
Acq: 15 Nov 2023 13:31

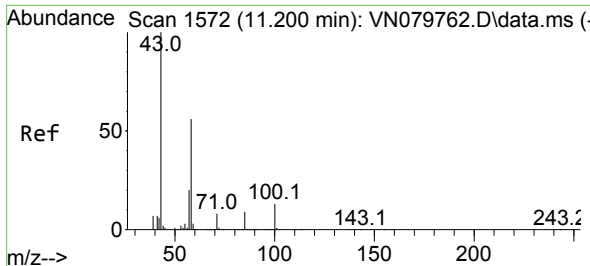
Tgt Ion: 63 Resp: 141076

Ion Ratio Lower Upper

63 100

106 31.3 26.2 39.4

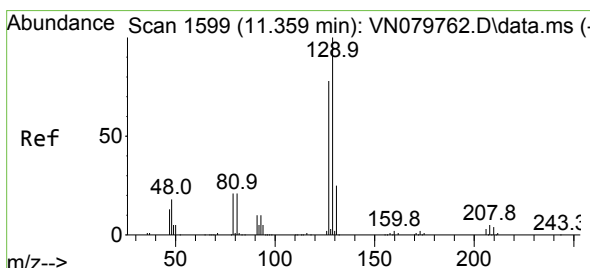
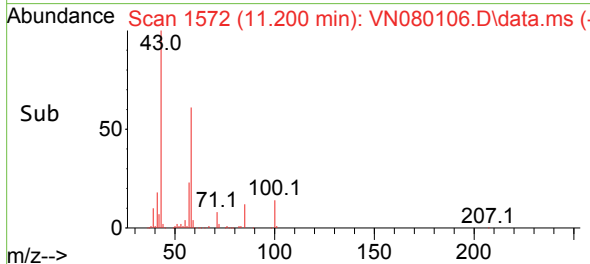
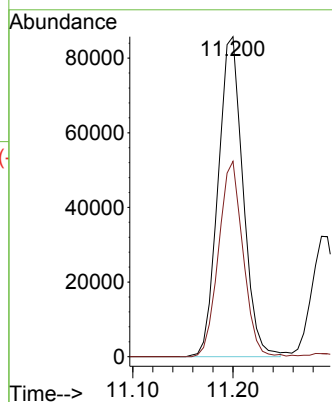
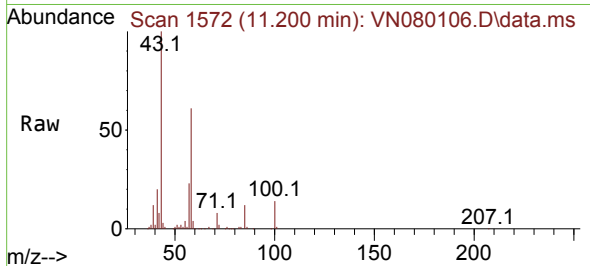




#59  
2-Hexanone  
Concen: 77.176 ug/l  
RT: 11.200 min Scan# 1572  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

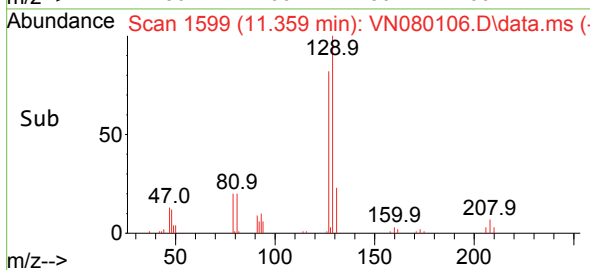
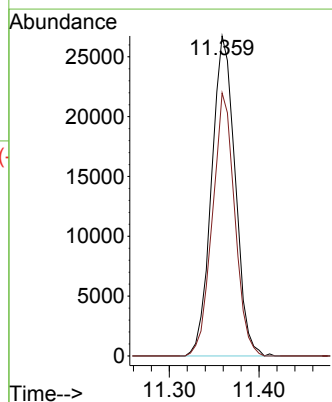
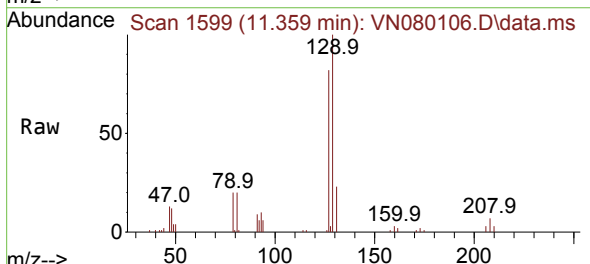
Instrument :  
MSVOA\_N  
ClientSampleId :

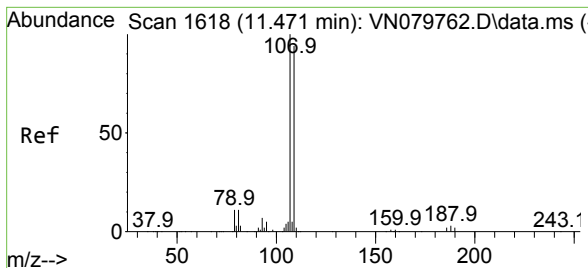
Tgt Ion: 43 Resp: 147570  
Ion Ratio Lower Upper  
43 100  
58 60.0 31.7 95.1



#60  
Dibromochloromethane  
Concen: 23.138 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. -0.006 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Tgt Ion: 129 Resp: 48827  
Ion Ratio Lower Upper  
129 100  
127 77.6 38.6 116.0

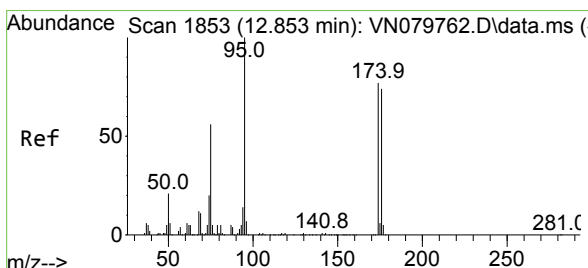
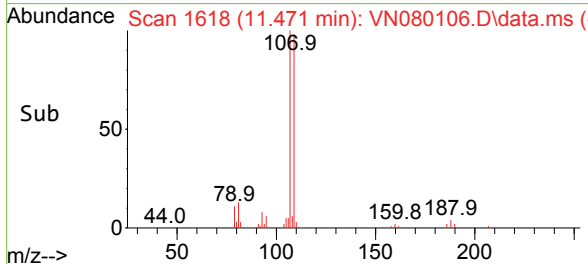
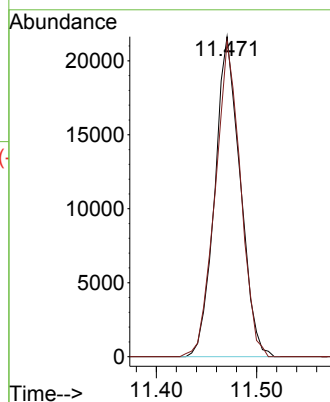
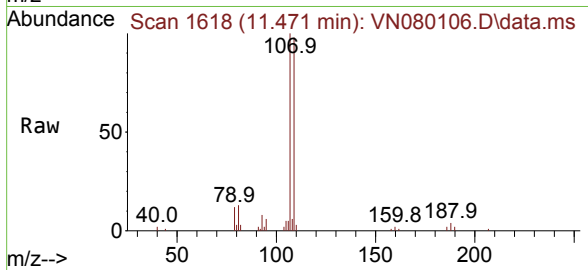




#61  
1,2-Dibromoethane  
Concen: 19.239 ug/l  
RT: 11.471 min Scan# 1618  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

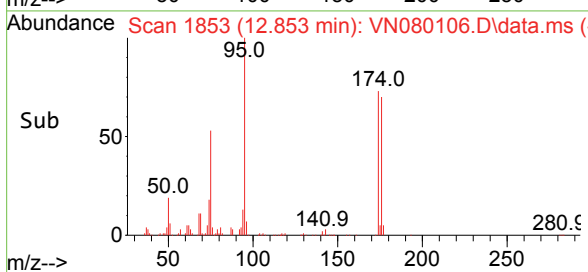
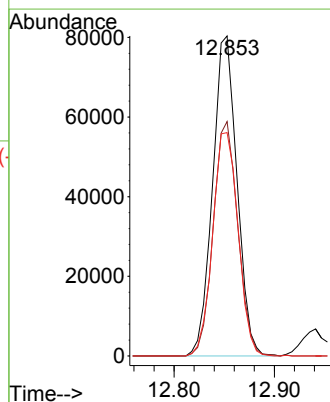
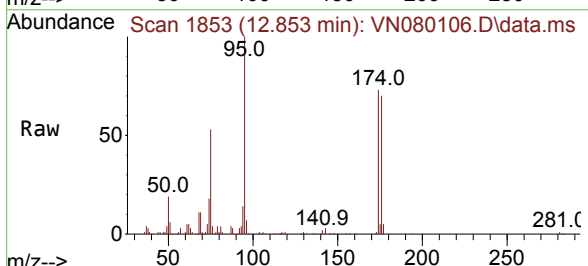
Instrument :  
MSVOA\_N  
ClientSampleId :

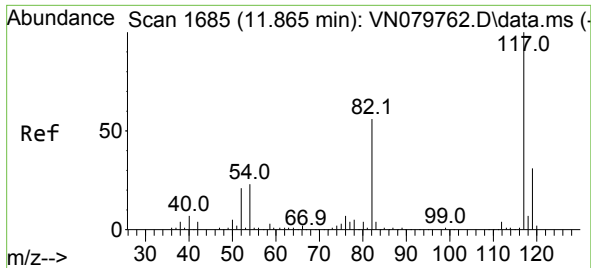
Tgt Ion:107 Resp: 38070  
Ion Ratio Lower Upper  
107 100  
109 98.2 76.6 114.8



#62  
4-Bromofluorobenzene  
Concen: 57.474 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Tgt Ion: 95 Resp: 135662  
Ion Ratio Lower Upper  
95 100  
174 73.6 0.0 143.8  
176 72.6 0.0 135.8

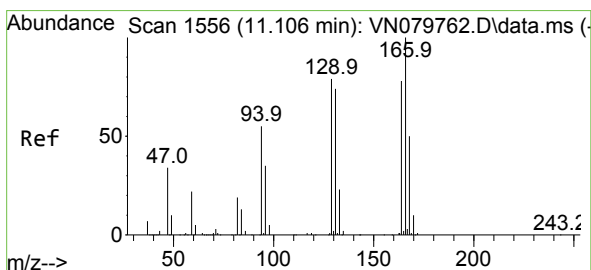
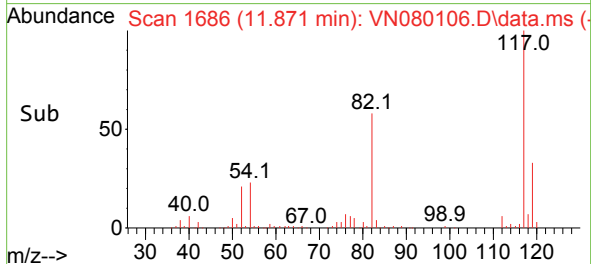
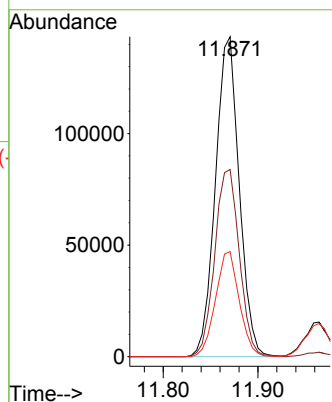
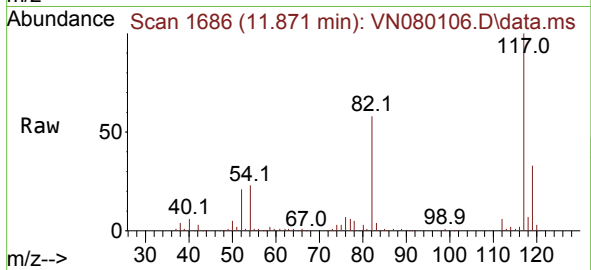




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

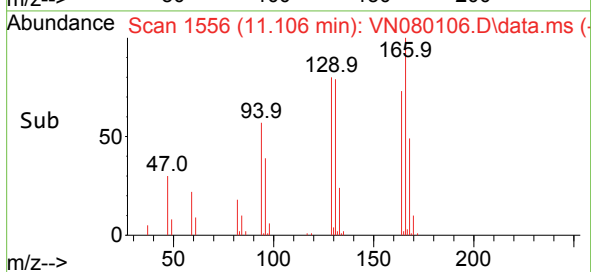
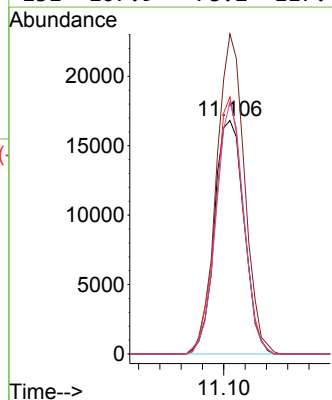
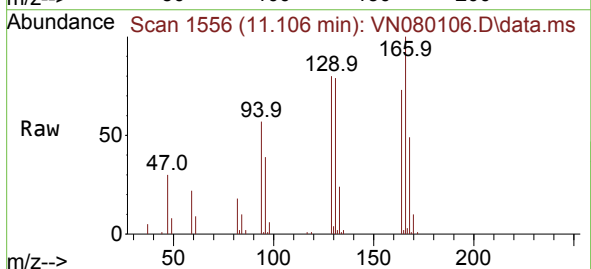
Instrument :  
MSVOA\_N  
ClientSampleId :

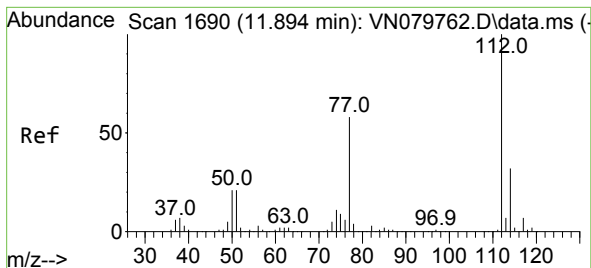
Tgt Ion:117 Resp: 250343  
Ion Ratio Lower Upper  
117 100  
82 58.5 44.0 66.0  
119 32.9 25.6 38.4



#64  
Tetrachloroethene  
Concen: 19.938 ug/l  
RT: 11.106 min Scan# 1556  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Tgt Ion:164 Resp: 32327  
Ion Ratio Lower Upper  
164 100  
166 137.1 101.4 152.0  
129 110.1 82.4 123.6  
131 107.9 78.2 117.4

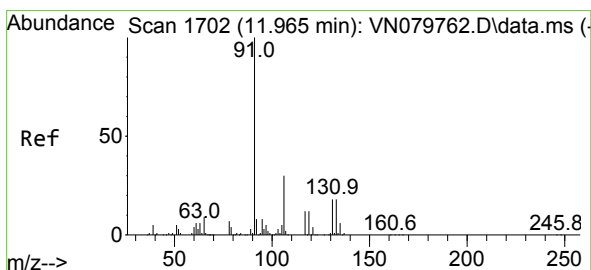
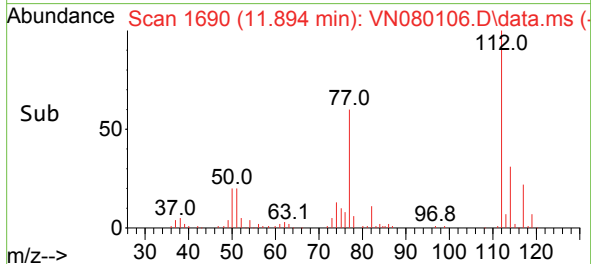
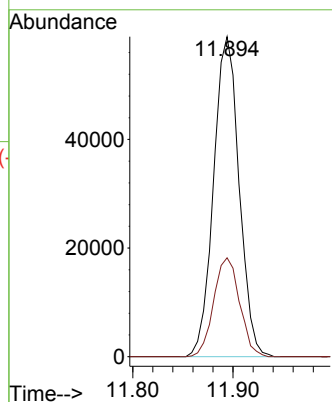
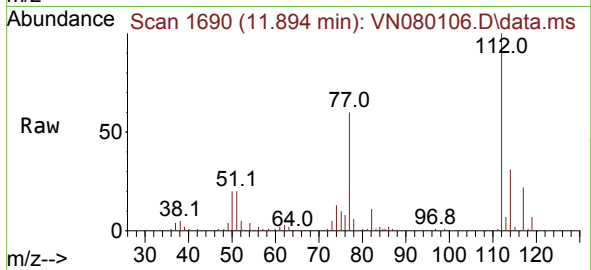




#65  
Chlorobenzene  
Concen: 19.188 ug/l  
RT: 11.894 min Scan# 1189  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

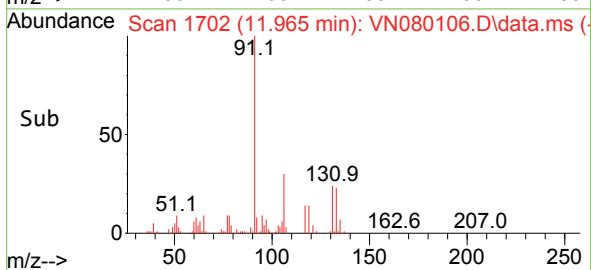
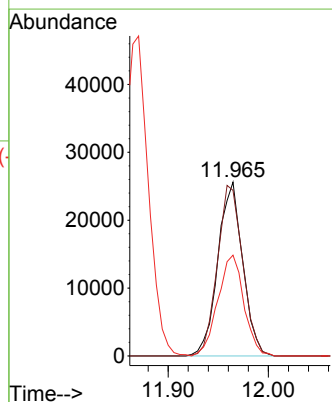
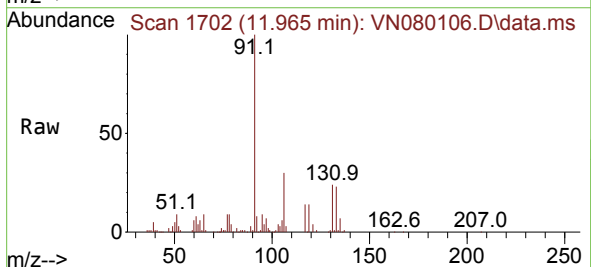
Instrument :  
MSVOA\_N  
ClientSampleId :

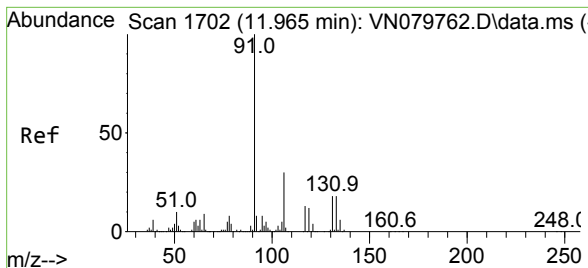
Tgt Ion:112 Resp: 104200  
Ion Ratio Lower Upper  
112 100  
114 30.9 25.0 37.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 22.516 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Tgt Ion:131 Resp: 44053  
Ion Ratio Lower Upper  
131 100  
133 100.2 46.4 139.1  
119 60.7 34.1 102.2

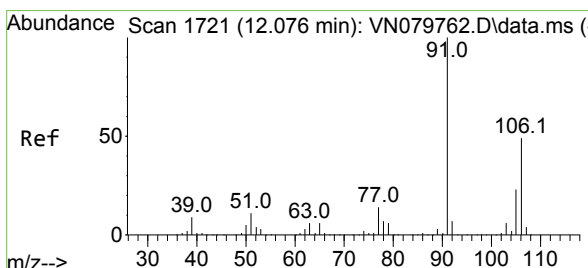
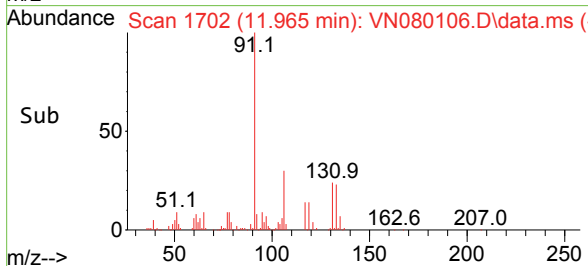
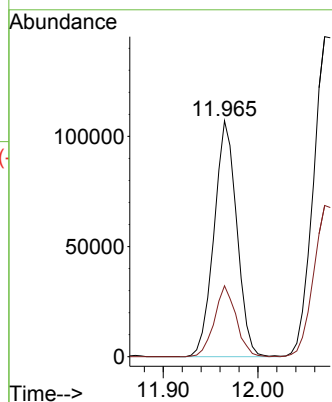
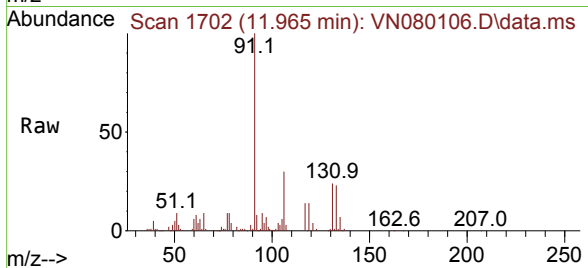




#67  
Ethyl Benzene  
Concen: 18.890 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

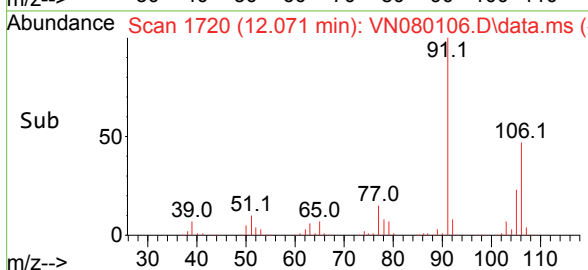
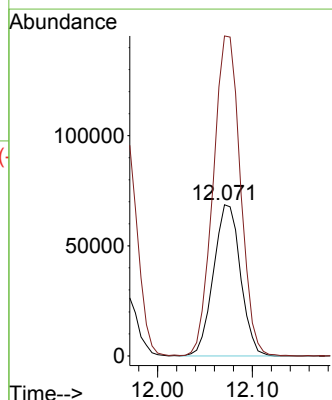
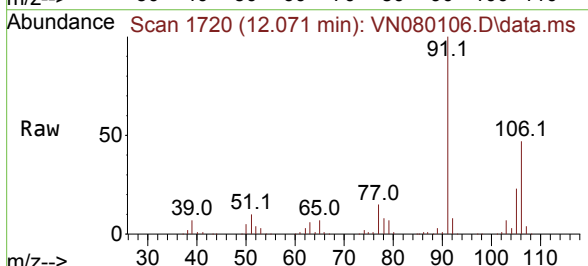
Instrument :  
MSVOA\_N  
ClientSampleId :

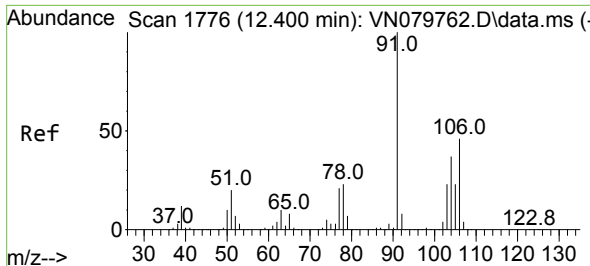
Tgt Ion: 91 Resp: 178725  
Ion Ratio Lower Upper  
91 100  
106 30.1 25.6 38.4



#68  
m/p-Xylenes  
Concen: 38.563 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Tgt Ion:106 Resp: 135913  
Ion Ratio Lower Upper  
106 100  
91 213.6 159.6 239.4

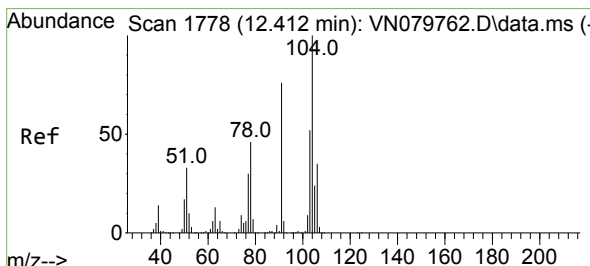
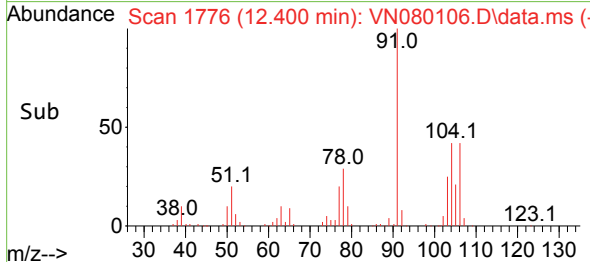
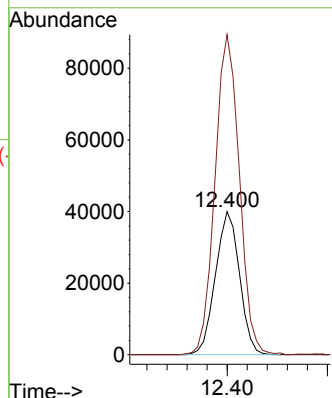
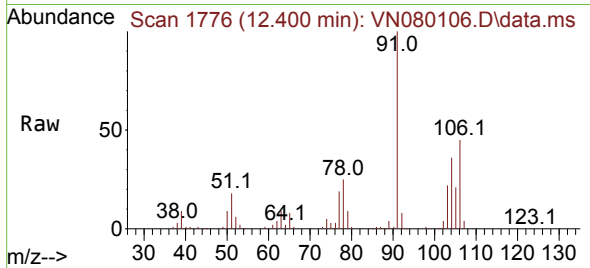




#69  
o-Xylene  
Concen: 19.604 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

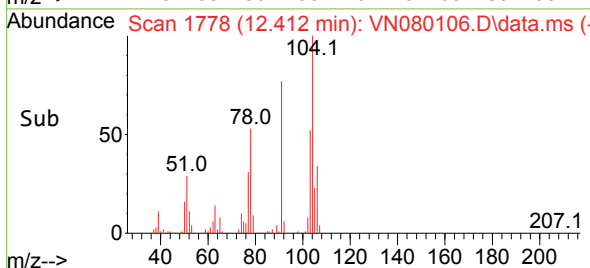
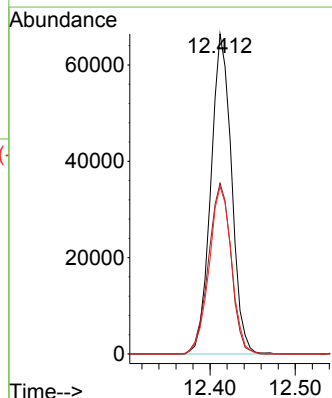
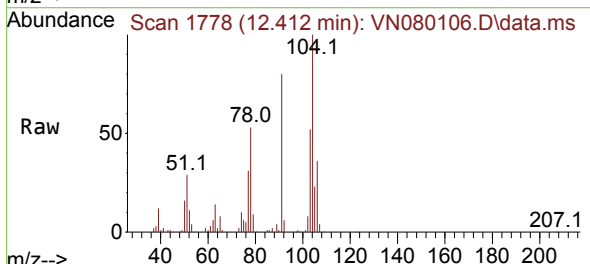
Instrument :  
MSVOA\_N  
ClientSampleId :

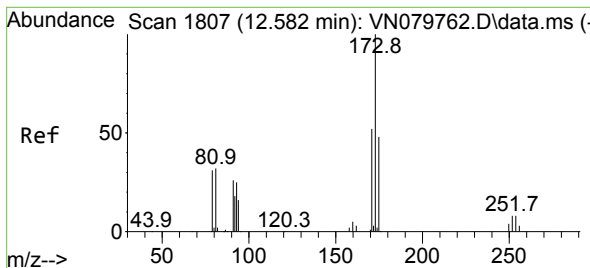
Tgt Ion:106 Resp: 66533  
Ion Ratio Lower Upper  
106 100  
91 226.8 105.2 315.5



#70  
Styrene  
Concen: 20.558 ug/l  
RT: 12.412 min Scan# 1778  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Tgt Ion:104 Resp: 112126  
Ion Ratio Lower Upper  
104 100  
78 57.8 39.5 59.3  
103 56.3 43.2 64.8





#71

Bromoform

Concen: 23.849 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. -0.006 min

Lab File: VN080106.D

Acq: 15 Nov 2023 13:31

Instrument :

MSVOA\_N

ClientSampleId :

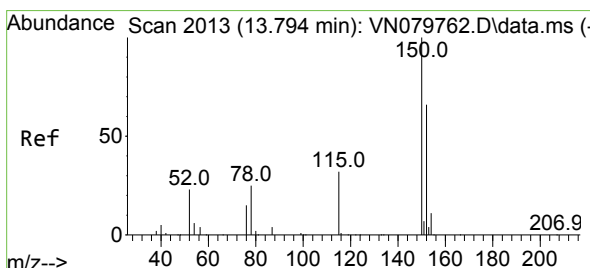
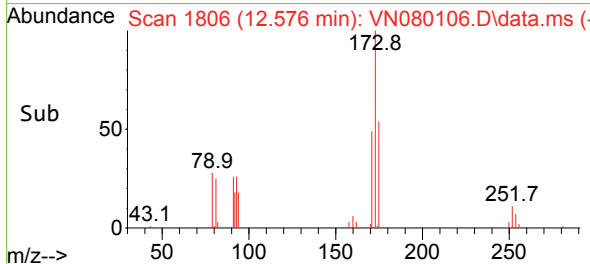
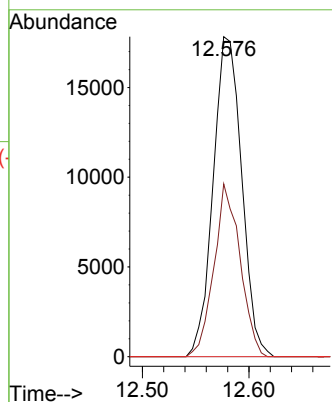
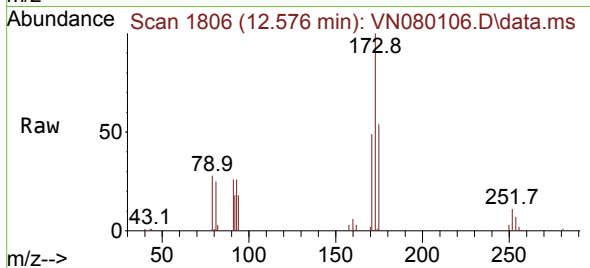
Tgt Ion:173 Resp: 33134

Ion Ratio Lower Upper

173 100

175 49.4 24.3 73.0

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN080106.D

Acq: 15 Nov 2023 13:31

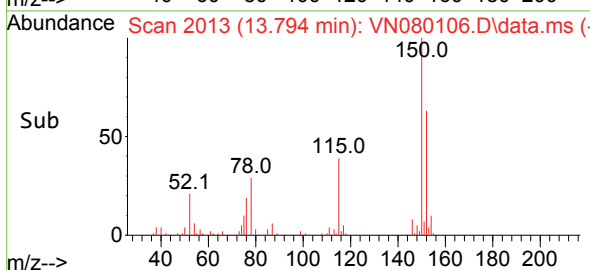
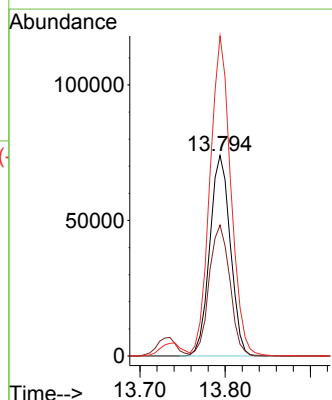
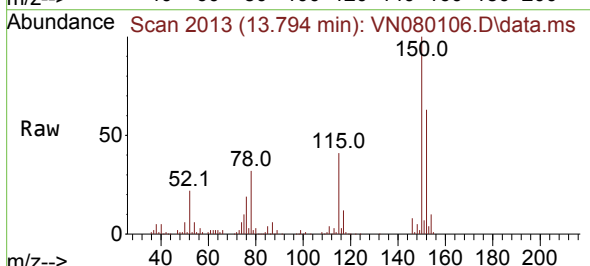
Tgt Ion:152 Resp: 124050

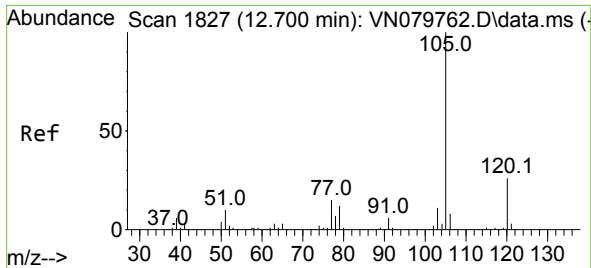
Ion Ratio Lower Upper

152 100

115 65.6 32.3 96.8

150 161.5 0.0 355.8

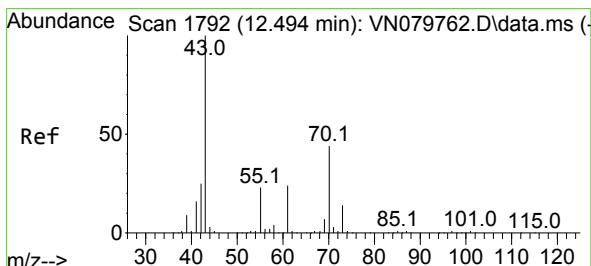
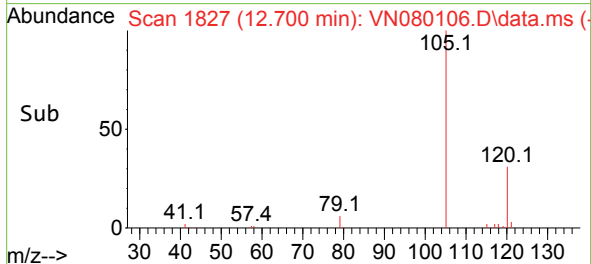
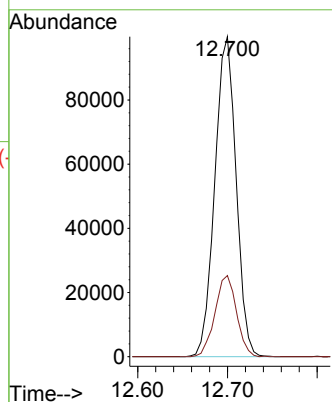
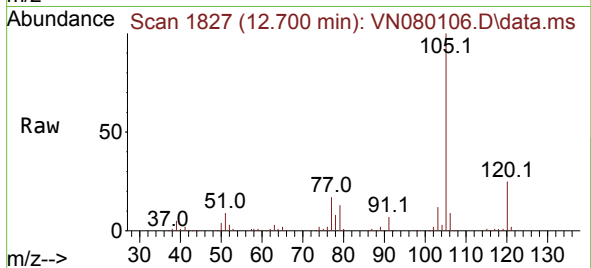




#73  
Isopropylbenzene  
Concen: 17.428 ug/l  
RT: 12.700 min Scan# 1827  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

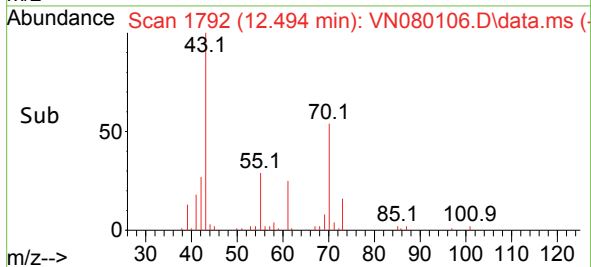
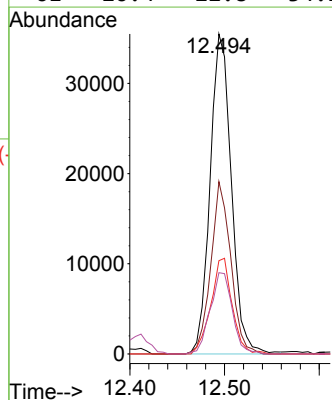
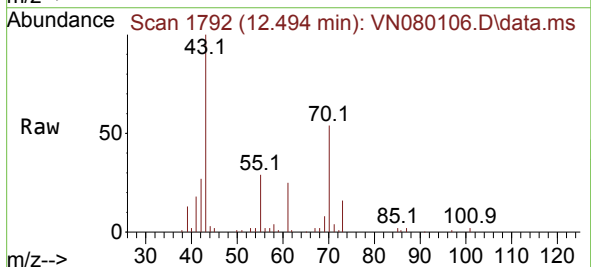
Instrument :  
MSVOA\_N  
ClientSampleId :

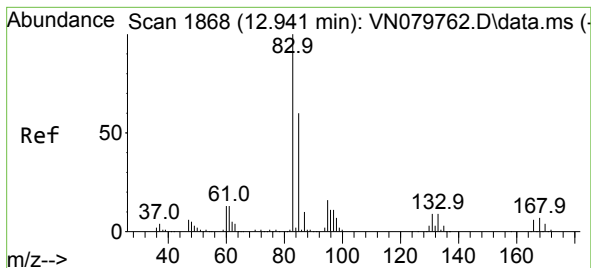
Tgt Ion:105 Resp: 164081  
Ion Ratio Lower Upper  
105 100  
120 25.7 13.1 39.1



#74  
N-ethyl acetate  
Concen: 13.451 ug/l  
RT: 12.494 min Scan# 1792  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Tgt Ion: 43 Resp: 55277  
Ion Ratio Lower Upper  
43 100  
70 50.5 43.4 65.2  
55 30.1 21.4 32.0  
61 26.4 22.8 34.2

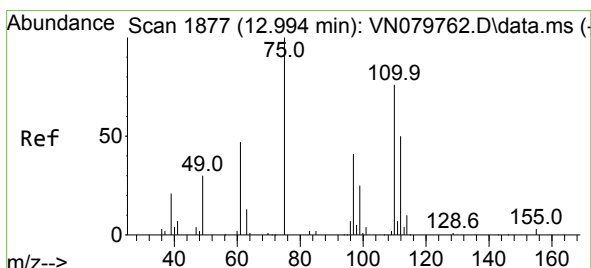
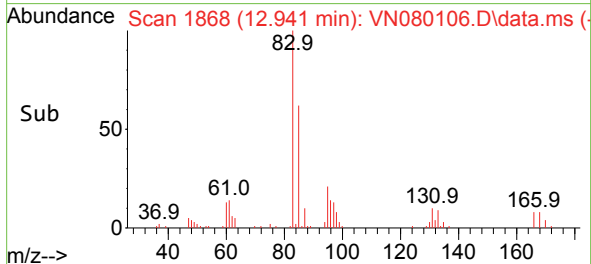
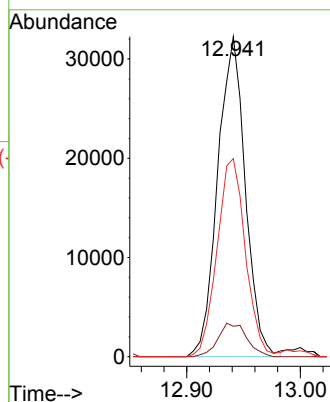
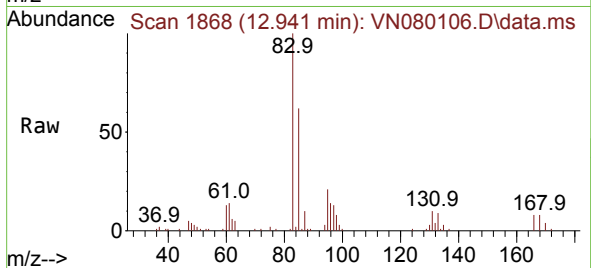




#75  
1,1,2,2-Tetrachloroethane  
Concen: 16.310 ug/l  
RT: 12.941 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

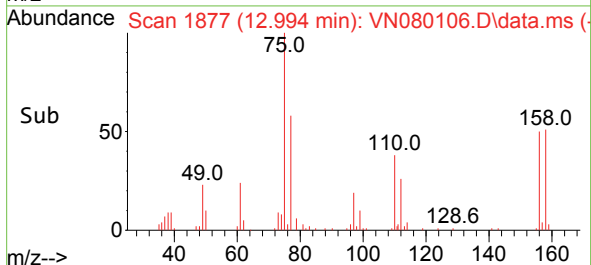
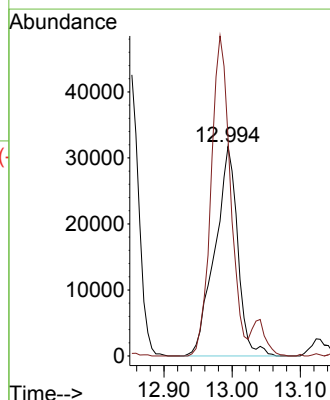
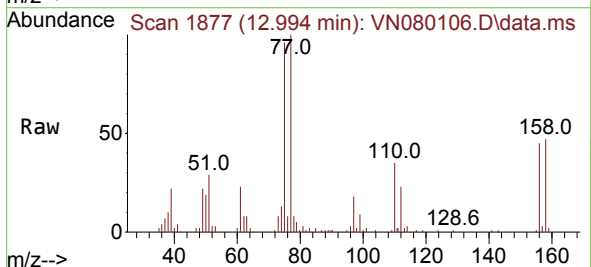
Instrument :  
MSVOA\_N  
ClientSampleId :

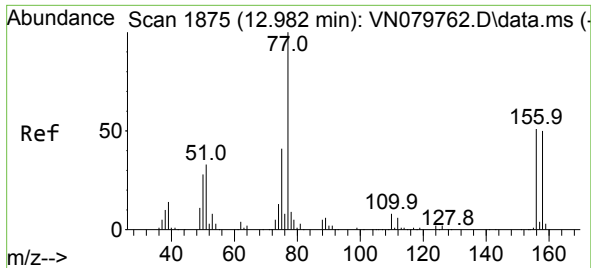
Tgt Ion: 83 Resp: 54442  
Ion Ratio Lower Upper  
83 100  
131 11.0 5.0 15.0  
85 63.4 31.9 95.7



#76  
1,2,3-Trichloropropane  
Concen: 25.440 ug/l  
RT: 12.994 min Scan# 1877  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Tgt Ion: 75 Resp: 74090  
Ion Ratio Lower Upper  
75 100  
77 129.6 84.5 253.5

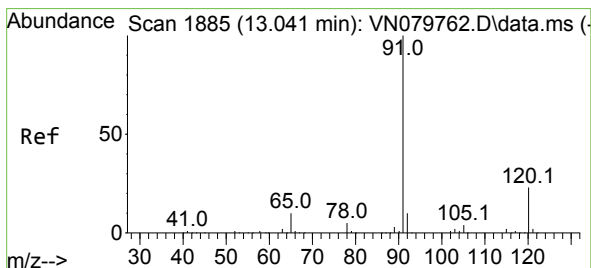
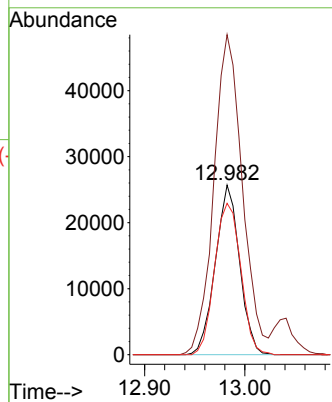
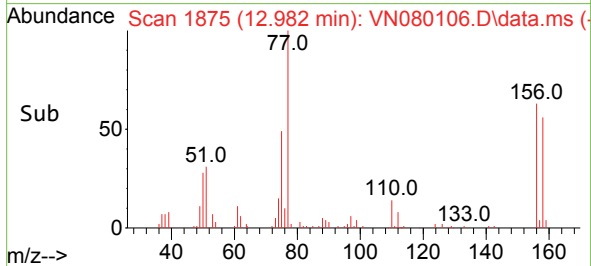
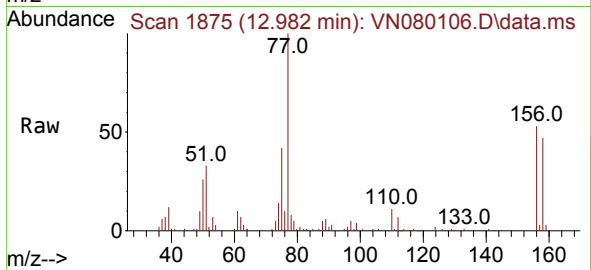




#77  
Bromobenzene  
Concen: 18.744 ug/l  
RT: 12.982 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

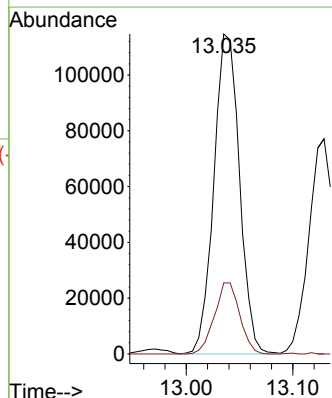
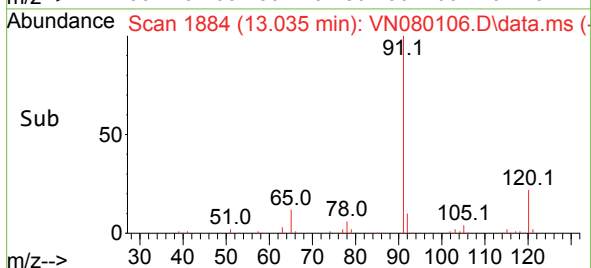
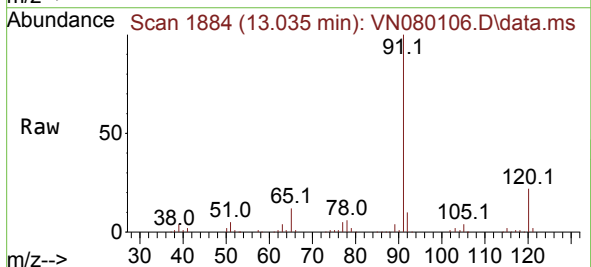
Instrument :  
MSVOA\_N  
ClientSampleId :

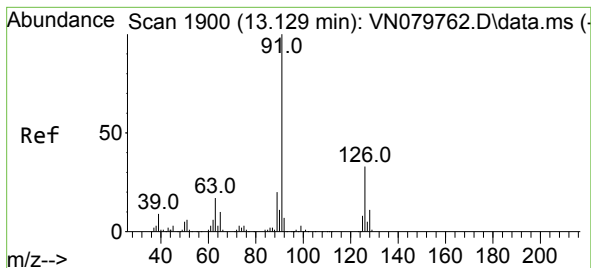
Tgt Ion:156 Resp: 43203  
Ion Ratio Lower Upper  
156 100  
77 222.3 107.7 323.3  
158 96.2 48.4 145.3



#78  
n-propylbenzene  
Concen: 17.779 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. -0.006 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Tgt Ion: 91 Resp: 191682  
Ion Ratio Lower Upper  
91 100  
120 21.9 11.5 34.4





#79

2-Chlorotoluene

Concen: 19.343 ug/l

RT: 13.129 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VN080106.D

Acq: 15 Nov 2023 13:31

Instrument :

MSVOA\_N

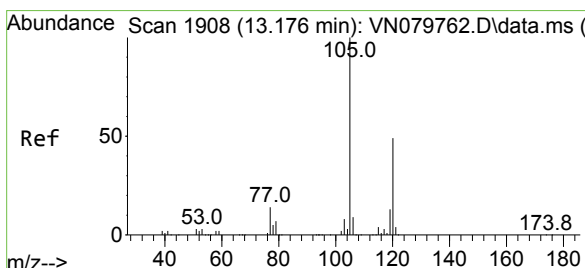
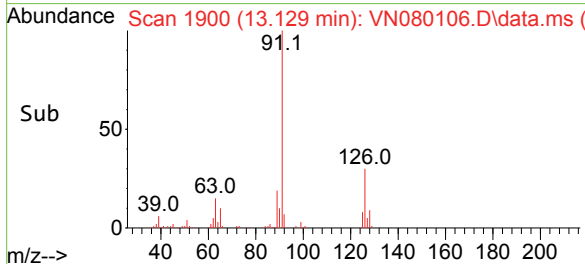
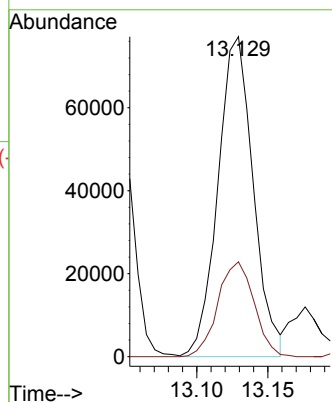
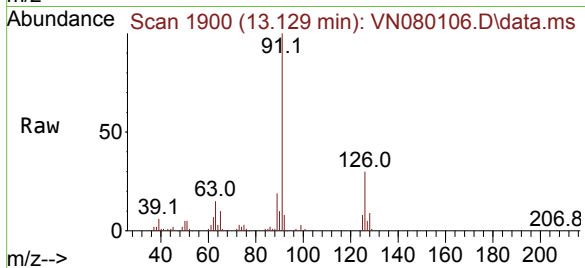
ClientSampleId :

Tgt Ion: 91 Resp: 133225

Ion Ratio Lower Upper

91 100

126 30.4 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 20.300 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN080106.D

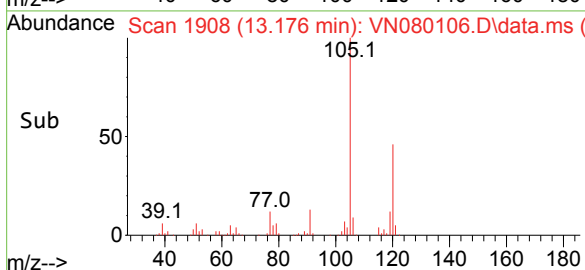
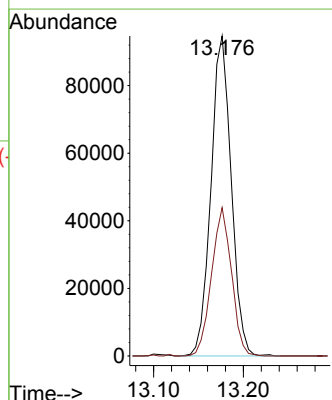
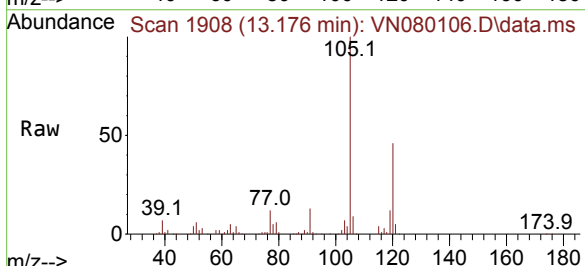
Acq: 15 Nov 2023 13:31

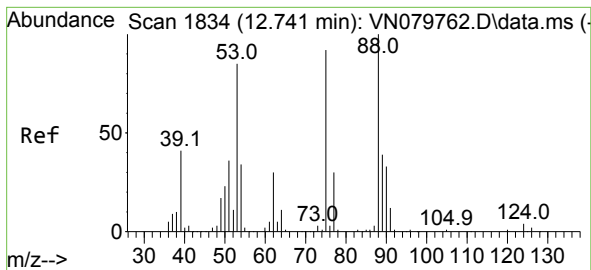
Tgt Ion:105 Resp: 148696

Ion Ratio Lower Upper

105 100

120 45.6 24.1 72.3

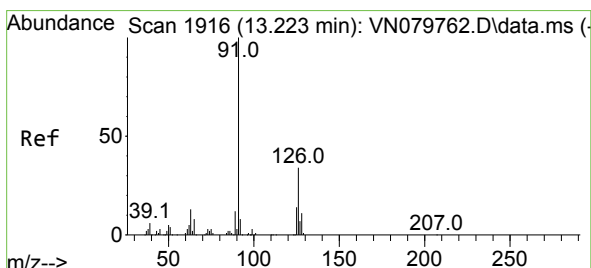
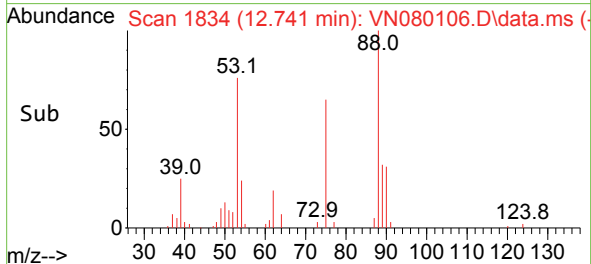
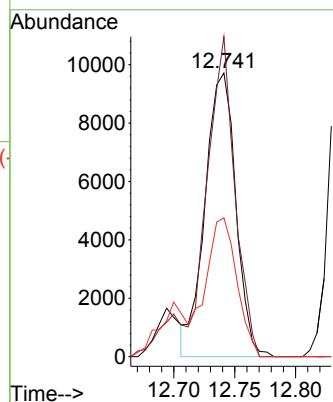
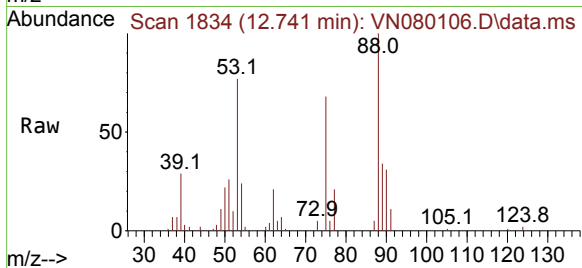




#81  
trans-1,4-Dichloro-2-butene  
Concen: 15.933 ug/l  
RT: 12.741 min Scan# 1834  
Delta R.T. 0.006 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

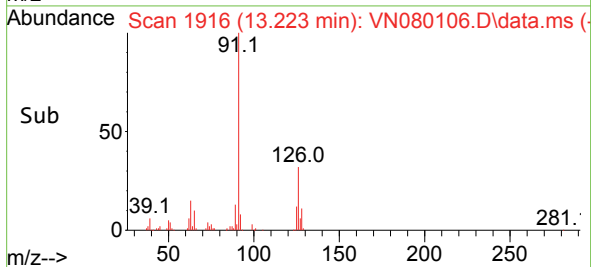
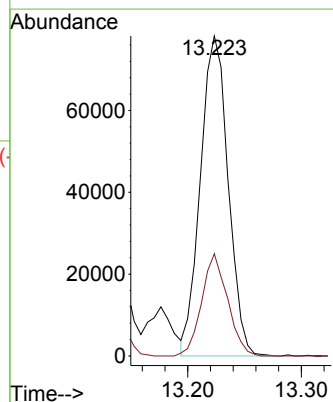
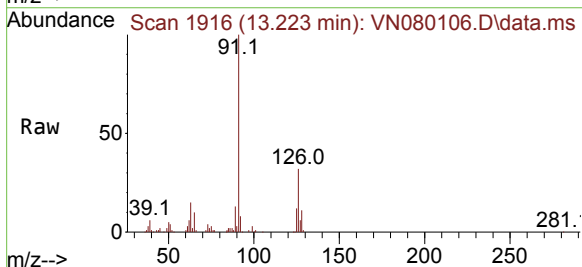
Instrument :  
MSVOA\_N  
ClientSampleId :

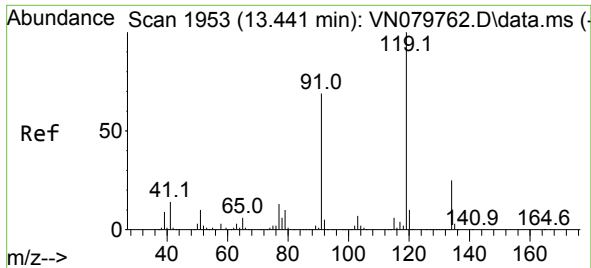
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 99.3  | 67.4  | 101.2 |
| 89      | 49.6  | 38.8  | 58.2  |



#82  
4-Chlorotoluene  
Concen: 19.398 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 29.8  | 16.7  | 50.0  |

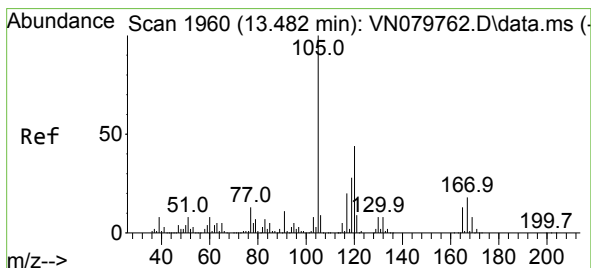
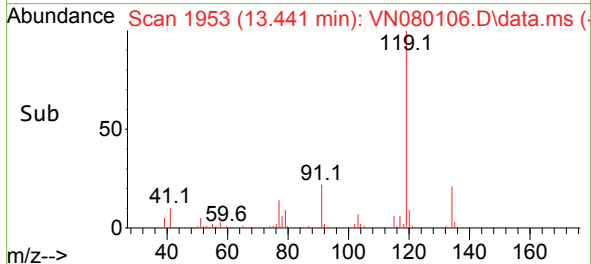
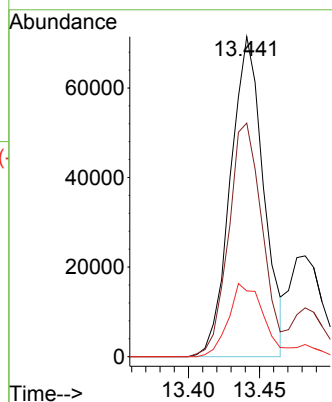
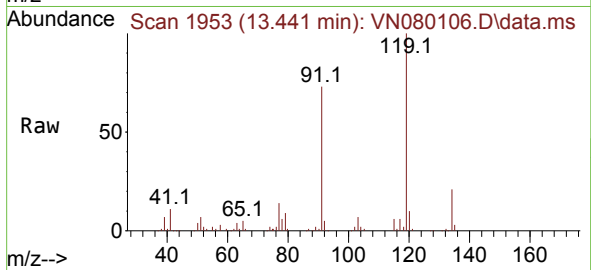




#83  
tert-Butylbenzene  
Concen: 19.375 ug/l  
RT: 13.441 min Scan# 1953  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

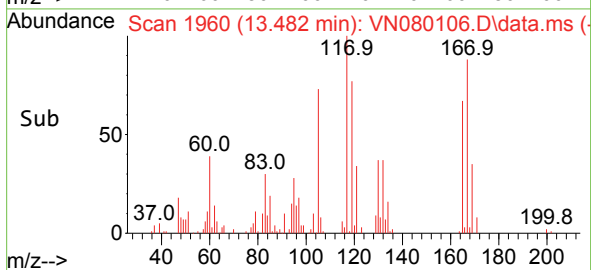
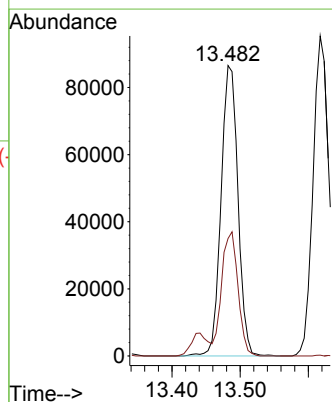
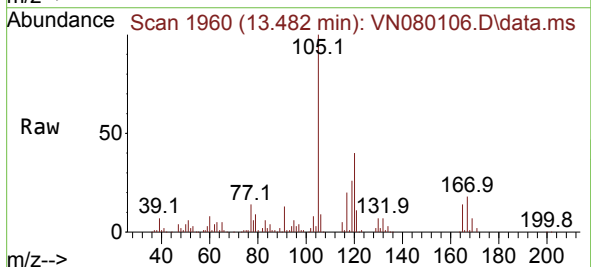
Instrument :  
MSVOA\_N  
ClientSampleId :

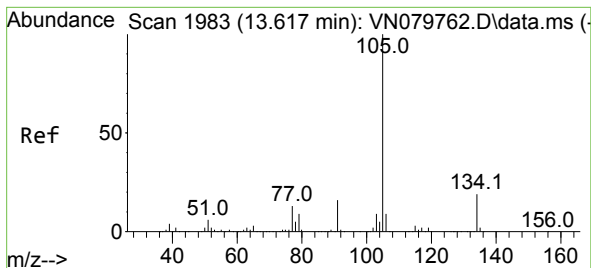
Tgt Ion:119 Resp: 116168  
Ion Ratio Lower Upper  
119 100  
91 75.4 33.9 101.7  
134 24.2 13.2 39.6



#84  
1,2,4-Trimethylbenzene  
Concen: 20.699 ug/l  
RT: 13.482 min Scan# 1960  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

Tgt Ion:105 Resp: 149169  
Ion Ratio Lower Upper  
105 100  
120 41.4 22.0 66.0





#85

sec-Butylbenzene

Concen: 18.570 ug/l

RT: 13.617 min Scan# 1983

Delta R.T. 0.000 min

Lab File: VN080106.D

Acq: 15 Nov 2023 13:31

Instrument :

MSVOA\_N

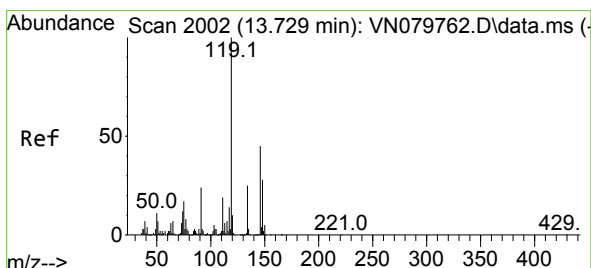
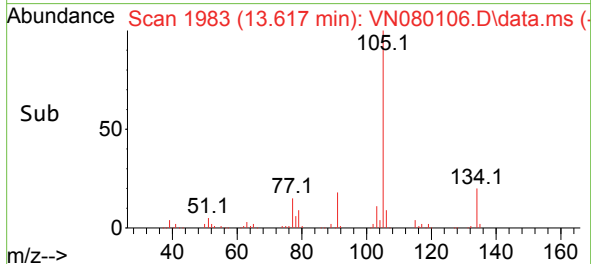
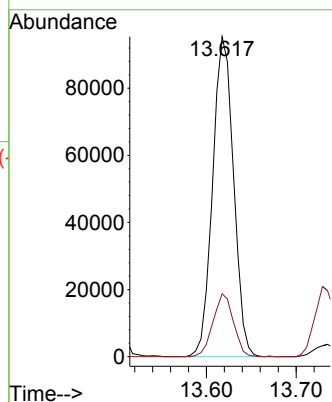
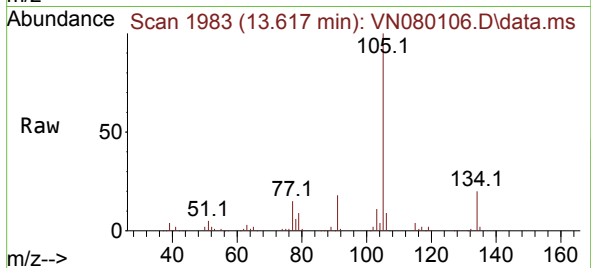
ClientSampleId :

Tgt Ion:105 Resp: 154261

Ion Ratio Lower Upper

105 100

134 19.2 9.8 29.3



#86

p-Isopropyltoluene

Concen: 19.499 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN080106.D

Acq: 15 Nov 2023 13:31

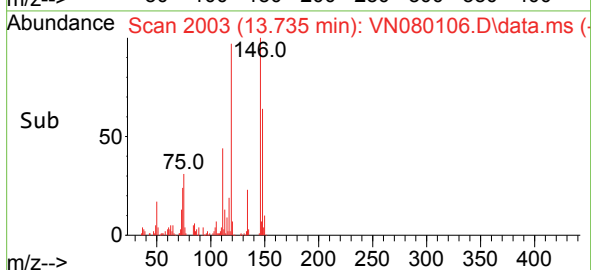
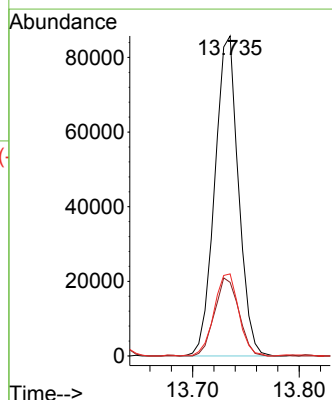
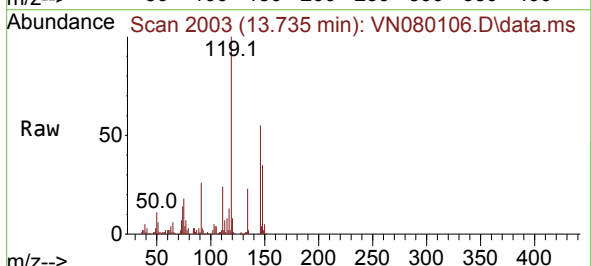
Tgt Ion:119 Resp: 132057

Ion Ratio Lower Upper

119 100

134 25.1 12.6 37.8

91 26.7 12.4 37.2

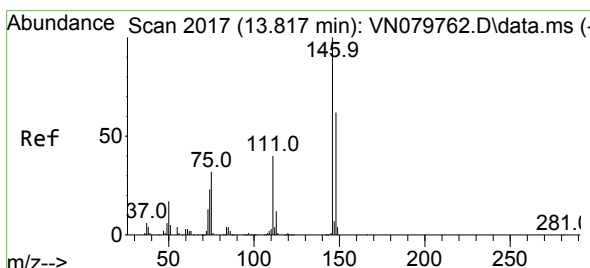
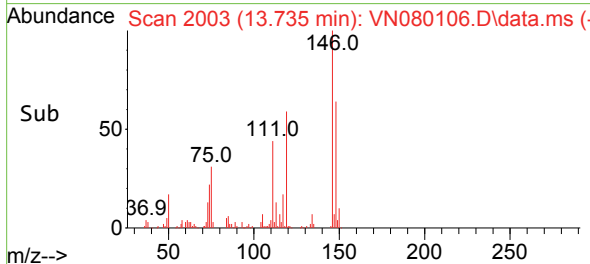
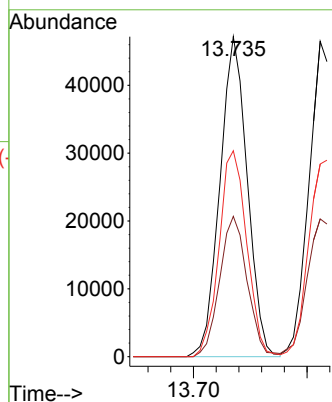
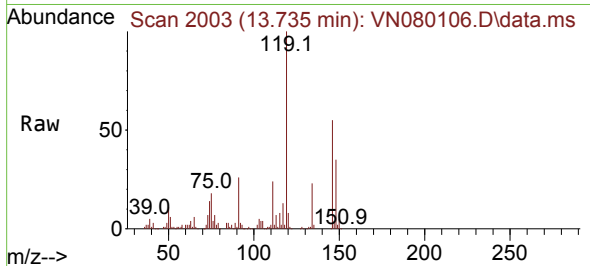




#87  
 1,3-Dichlorobenzene  
 Concen: 18.404 ug/l  
 RT: 13.735 min Scan# 2003  
 Delta R.T. 0.000 min  
 Lab File: VN080106.D  
 Acq: 15 Nov 2023 13:31

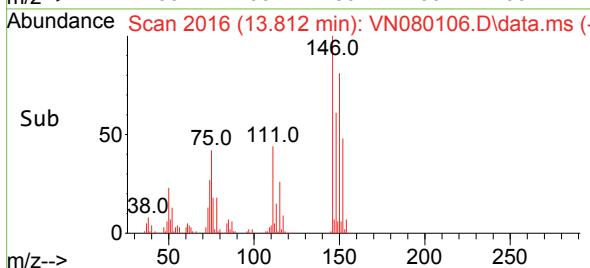
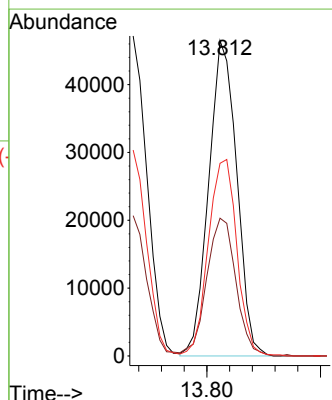
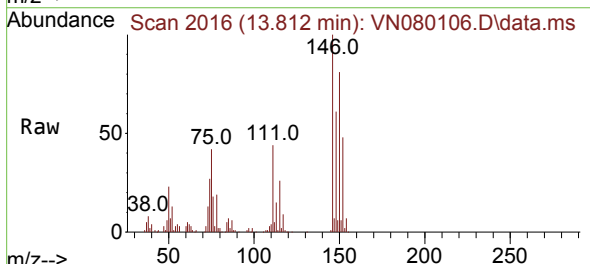
Instrument :  
 MSVOA\_N  
 ClientSampleId :

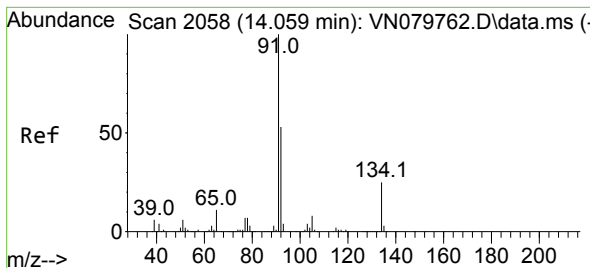
Tgt Ion:146 Resp: 78912  
 Ion Ratio Lower Upper  
 146 100  
 111 44.2 22.1 66.3  
 148 65.1 32.0 96.0



#88  
 1,4-Dichlorobenzene  
 Concen: 18.340 ug/l  
 RT: 13.812 min Scan# 2016  
 Delta R.T. -0.006 min  
 Lab File: VN080106.D  
 Acq: 15 Nov 2023 13:31

Tgt Ion:146 Resp: 79820  
 Ion Ratio Lower Upper  
 146 100  
 111 45.3 20.6 61.8  
 148 63.5 31.6 94.8





#89

n-Butylbenzene

Concen: 17.431 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VN080106.D

Acq: 15 Nov 2023 13:31

Instrument :

MSVOA\_N

ClientSampleId :

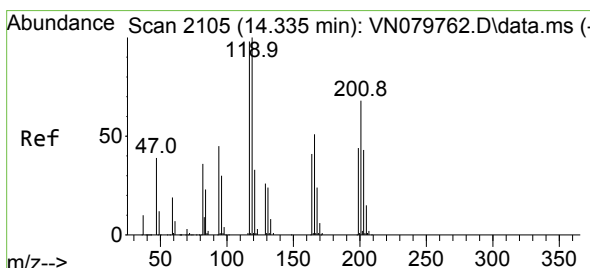
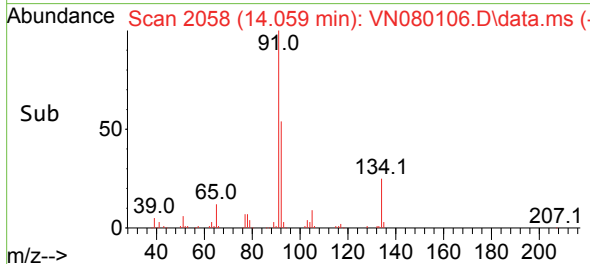
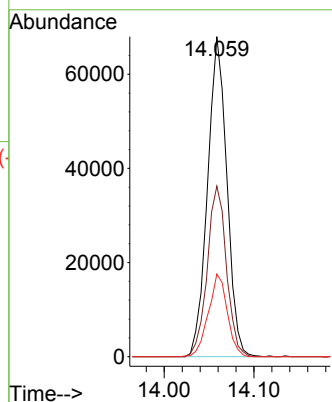
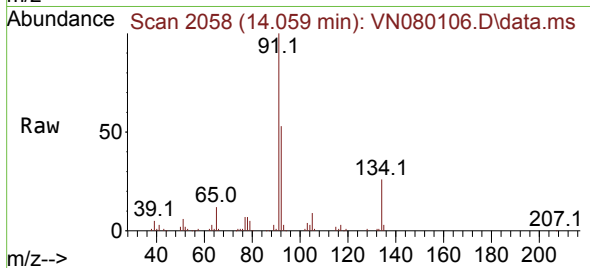
Tgt Ion: 91 Resp: 101682

Ion Ratio Lower Upper

91 100

92 53.0 26.4 79.0

134 25.3 12.6 37.6



#90

Hexachloroethane

Concen: 19.027 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. 0.000 min

Lab File: VN080106.D

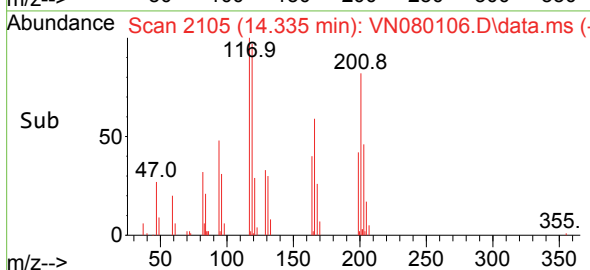
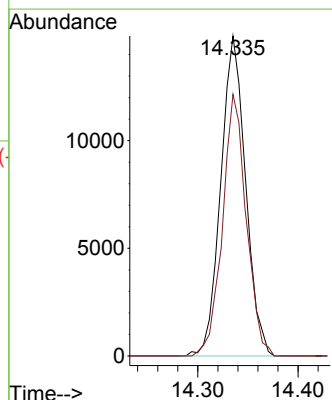
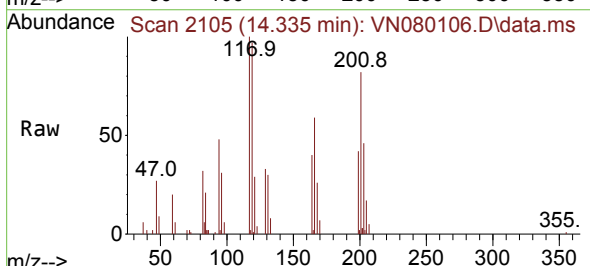
Acq: 15 Nov 2023 13:31

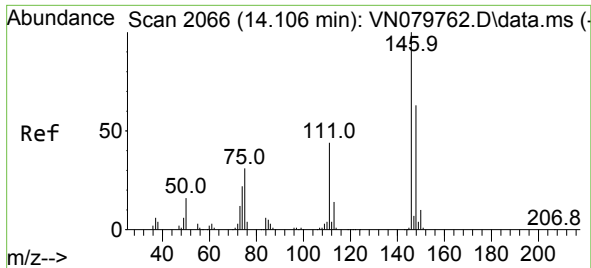
Tgt Ion: 117 Resp: 25520

Ion Ratio Lower Upper

117 100

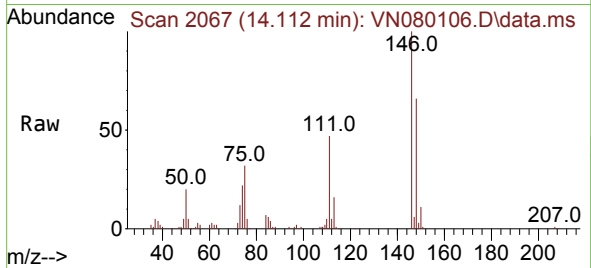
201 78.2 29.3 88.0



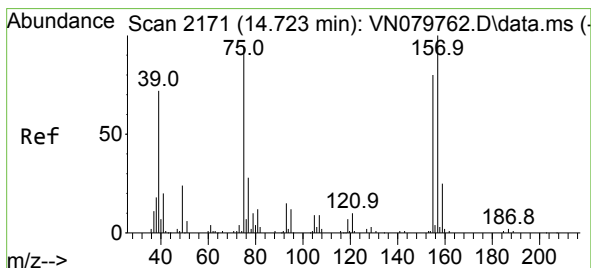
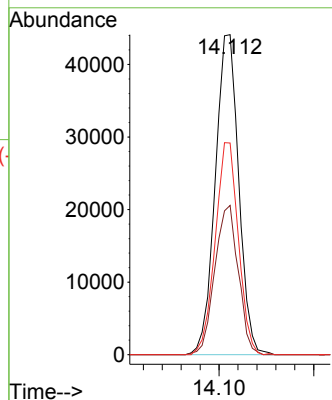
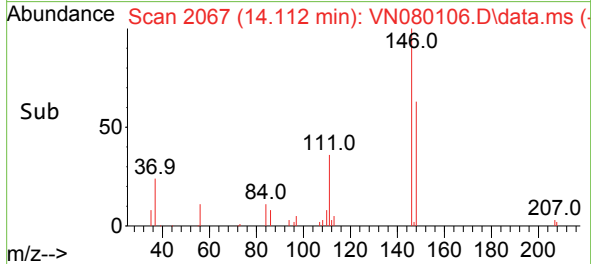


#91  
1,2-Dichlorobenzene  
Concen: 18.757 ug/l  
RT: 14.112 min Scan# 2067  
Delta R.T. 0.006 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31

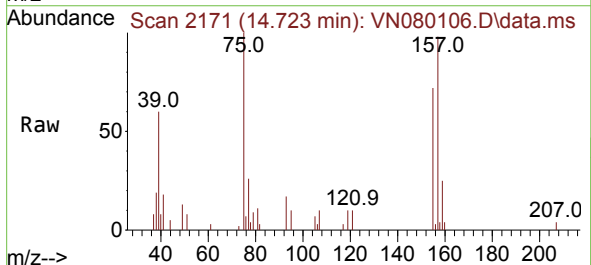
Instrument :  
MSVOA\_N  
ClientSampleId :



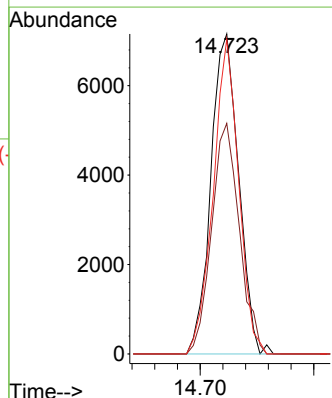
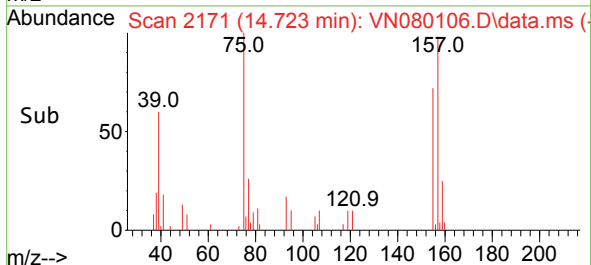
Tgt Ion:146 Resp: 75925  
Ion Ratio Lower Upper  
146 100  
111 46.7 22.0 66.0  
148 65.3 31.8 95.3

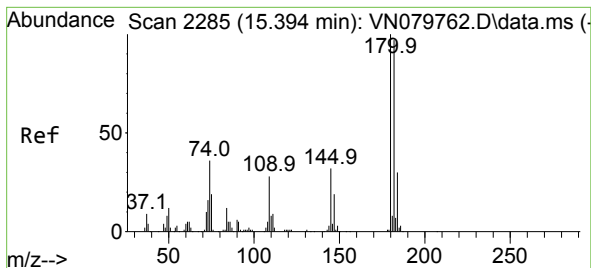


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 21.402 ug/l  
RT: 14.723 min Scan# 2171  
Delta R.T. 0.000 min  
Lab File: VN080106.D  
Acq: 15 Nov 2023 13:31



Tgt Ion: 75 Resp: 12115  
Ion Ratio Lower Upper  
75 100  
155 72.3 39.1 117.2  
157 90.5 50.3 150.9





#93

1,2,4-Trichlorobenzene

Concen: 19.788 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.000 min

Lab File: VN080106.D

Acq: 15 Nov 2023 13:31

Instrument :

MSVOA\_N

ClientSampleId :

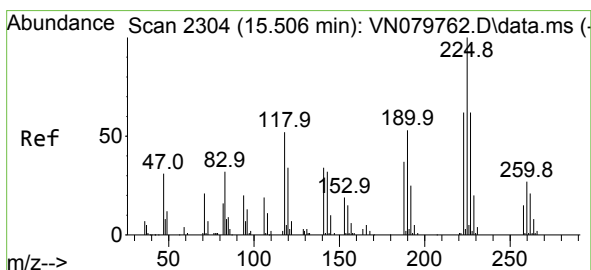
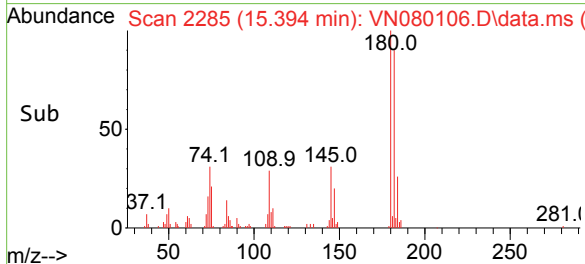
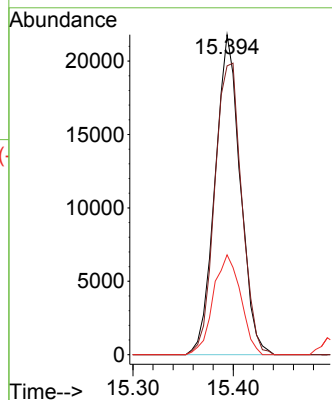
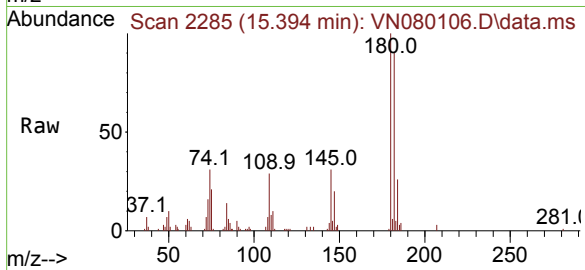
Tgt Ion:180 Resp: 38086

Ion Ratio Lower Upper

180 100

182 97.2 46.1 138.2

145 33.8 16.6 49.8



#94

Hexachlorobutadiene

Concen: 22.865 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. 0.000 min

Lab File: VN080106.D

Acq: 15 Nov 2023 13:31

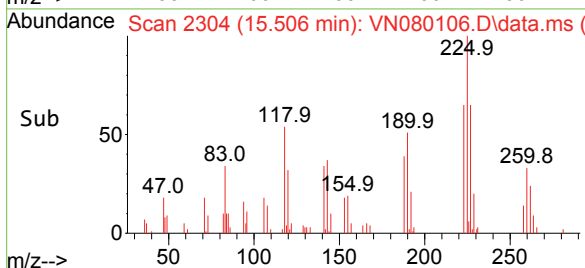
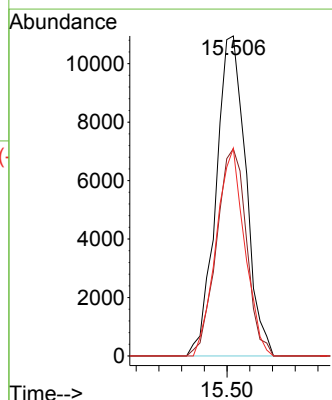
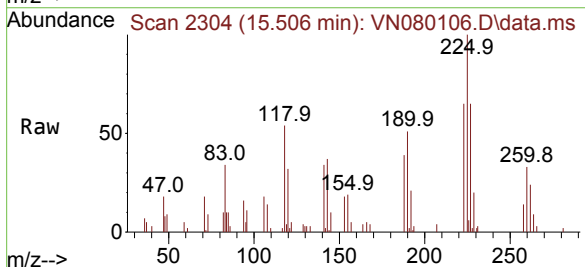
Tgt Ion:225 Resp: 19950

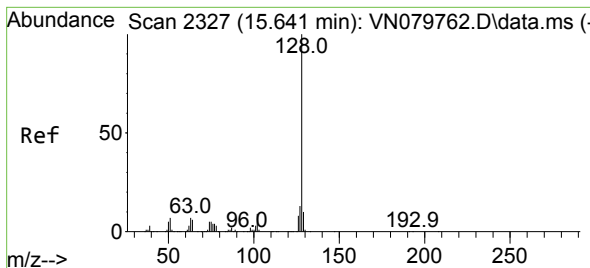
Ion Ratio Lower Upper

225 100

223 65.2 31.3 93.8

227 62.2 31.9 95.9





#95

Naphthalene

Concen: 15.846 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN080106.D

Acq: 15 Nov 2023 13:31

Instrument :

MSVOA\_N

ClientSampleId :

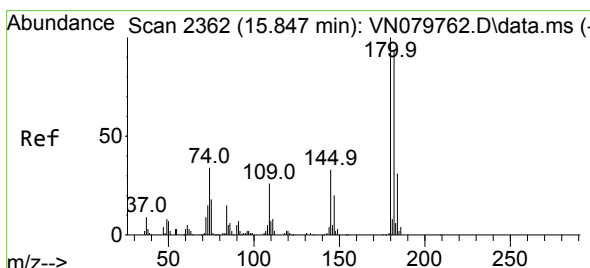
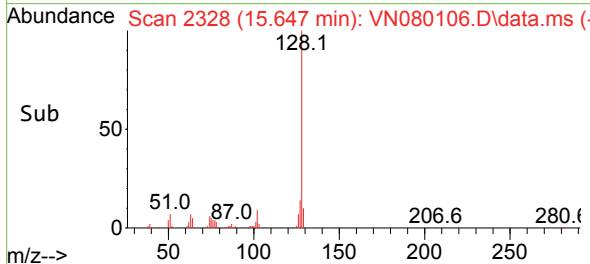
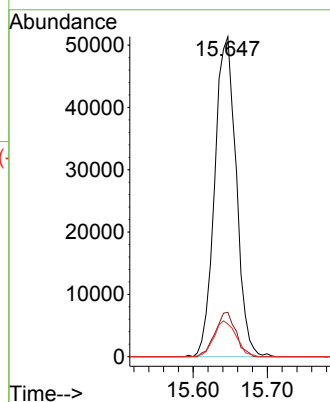
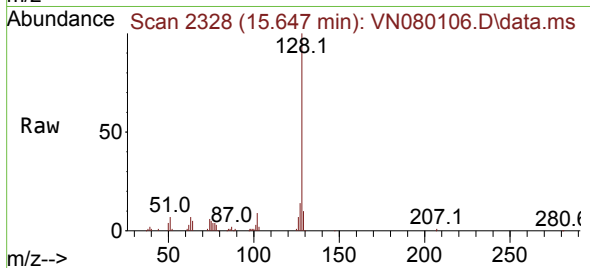
Tgt Ion:128 Resp: 103428

Ion Ratio Lower Upper

128 100

127 13.5 10.0 15.0

129 11.5 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 19.633 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VN080106.D

Acq: 15 Nov 2023 13:31

Tgt Ion:180 Resp: 37040

Ion Ratio Lower Upper

180 100

182 95.5 46.2 138.6

145 33.6 17.5 52.6

