

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032024\  
 Data File : VN081500.D  
 Acq On : 20 Mar 2024 17:46  
 Operator : JC\MD  
 Sample : P1799-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Mar 21 01:23:11 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031824W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 19 06:00:00 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 8.224  | 168   | 567545   | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene     | 9.100  | 114   | 944814   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 851070   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 375341   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 349055   | 48.227   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 96.460%  |
| 35) Dibromofluoromethane    | 8.165  | 113   | 276845   | 46.429   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 92.860%  |
| 50) Toluene-d8              | 10.571 | 98    | 1112837  | 51.629   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 103.260% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 395336   | 52.052   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | =     | 104.100% |
| Target Compounds            |        |       |          |          |       |          |
|                             |        |       |          |          |       | Qvalue   |
| 3) Chloromethane            | 2.318  | 50    | 8456     | 1.111    | ug/l  | # 71     |
| 5) Bromomethane             | 2.977  | 94    | 1239     | 0.205    | ug/l  | 84       |
| 8) Diethyl Ether            | 3.959  | 74    | 32712    | 7.767    | ug/l  | # 1      |
| 11) Tert butyl alcohol      | 5.512  | 59    | 10483    | 8.311    | ug/l  | # 72     |
| 13) Acrolein                | 4.142  | 56    | 61478    | 54.319   | ug/l  | # 1      |
| 14) Allyl chloride          | 5.159  | 41    | 105967   | 12.626   | ug/l  | # 1      |
| 15) Acrylonitrile           | 5.794  | 53    | 25361    | 7.516    | ug/l  | # 27     |
| 16) Acetone                 | 4.430  | 43    | 290224   | 124.078  | ug/l  | 99       |
| 18) Methyl Acetate          | 5.024  | 43    | 9112     | 1.264    | ug/l  | # 76     |
| 19) Methyl tert-butyl Ether | 5.794  | 73    | 2252341  | 107.449  | ug/l  | 99       |
| 20) Methylene Chloride      | 5.271  | 84    | 3436     | 0.448    | ug/l  | # 81     |
| 22) Diisopropyl ether       | 6.671  | 45    | 812493   | 41.664   | ug/l  | # 94     |
| 23) Vinyl Acetate           | 6.671  | 43    | 414877   | 26.727   | ug/l  | # 76     |
| 25) 2-Butanone              | 7.483  | 43    | 158189   | 39.429   | ug/l  | 95       |
| 26) 2,2-Dichloropropane     | 7.335  | 77    | 2606     | 0.230    | ug/l  | # 53     |
| 28) Bromochloromethane      | 8.006  | 49    | 1794     | 0.337    | ug/l  | # 26     |
| 29) Tetrahydrofuran         | 8.012  | 42    | 5038     | 1.864    | ug/l  | # 65     |
| 31) Cyclohexane             | 8.259  | 56    | 189352   | 16.077   | ug/l  | # 73     |
| 36) 1,1-Dichloropropene     | 8.224  | 75    | 47255    | 4.709    | ug/l  | # 49     |
| 37) Ethyl Acetate           | 7.559  | 43    | 2353198  | 273.863  | ug/l  | # 94     |
| 38) Carbon Tetrachloride    | 8.224  | 117   | 60166    | 5.473    | ug/l  | # 18     |
| 39) Methylcyclohexane       | 9.600  | 83    | 40394    | 3.605    | ug/l  | 90       |
| 41) Methacrylonitrile       | 7.847  | 41    | 1771     | 0.390    | ug/l  | # 22     |
| 42) 1,2-Dichloroethane      | 8.612  | 62    | 521590   | 50.521   | ug/l  | 75       |
| 43) Isopropyl Acetate       | 8.665  | 43    | 16849    | 1.183    | ug/l  | # 57     |
| 47) Bromodichloromethane    | 9.600  | 83    | 25808    | 2.445    | ug/l  | # 23     |
| 48) Methyl methacrylate     | 9.671  | 41    | 1757     | 0.267    | ug/l  | # 15     |
| 49) 1,4-Dioxane             | 9.694  | 88    | 69       | 0.437    | ug/l  | # 18     |
| 51) 4-Methyl-2-Pentanone    | 10.635 | 43    | 555156   | 63.876   | ug/l  | # 38     |
| 53) t-1,3-Dichloropropene   | 10.635 | 75    | 709687   | 62.257   | ug/l  | # 1      |
| 56) Ethyl methacrylate      | 10.865 | 69    | 138      | 0.584    | ug/l  | # 20     |
| 59) 2-Hexanone              | 11.200 | 43    | 5613     | 0.874    | ug/l  | 82       |
| 67) Ethyl Benzene           | 11.965 | 91    | 5181442  | 148.259  | ug/l  | 96       |
| 68) m/p-Xylenes             | 12.070 | 106   | 6341267  | 484.003  | ug/l  | 95       |
| 69) o-Xylene                | 12.400 | 106   | 2764658  | 214.944  | ug/l  | 98       |
| 70) Styrene                 | 12.400 | 104   | 149972   | 7.230    | ug/l  | # 1      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032024\  
 Data File : VN081500.D  
 Acq On : 20 Mar 2024 17:46  
 Operator : JC\MD  
 Sample : P1799-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Mar 21 01:23:11 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031824W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 19 06:00:00 2024  
 Response via : Initial Calibration

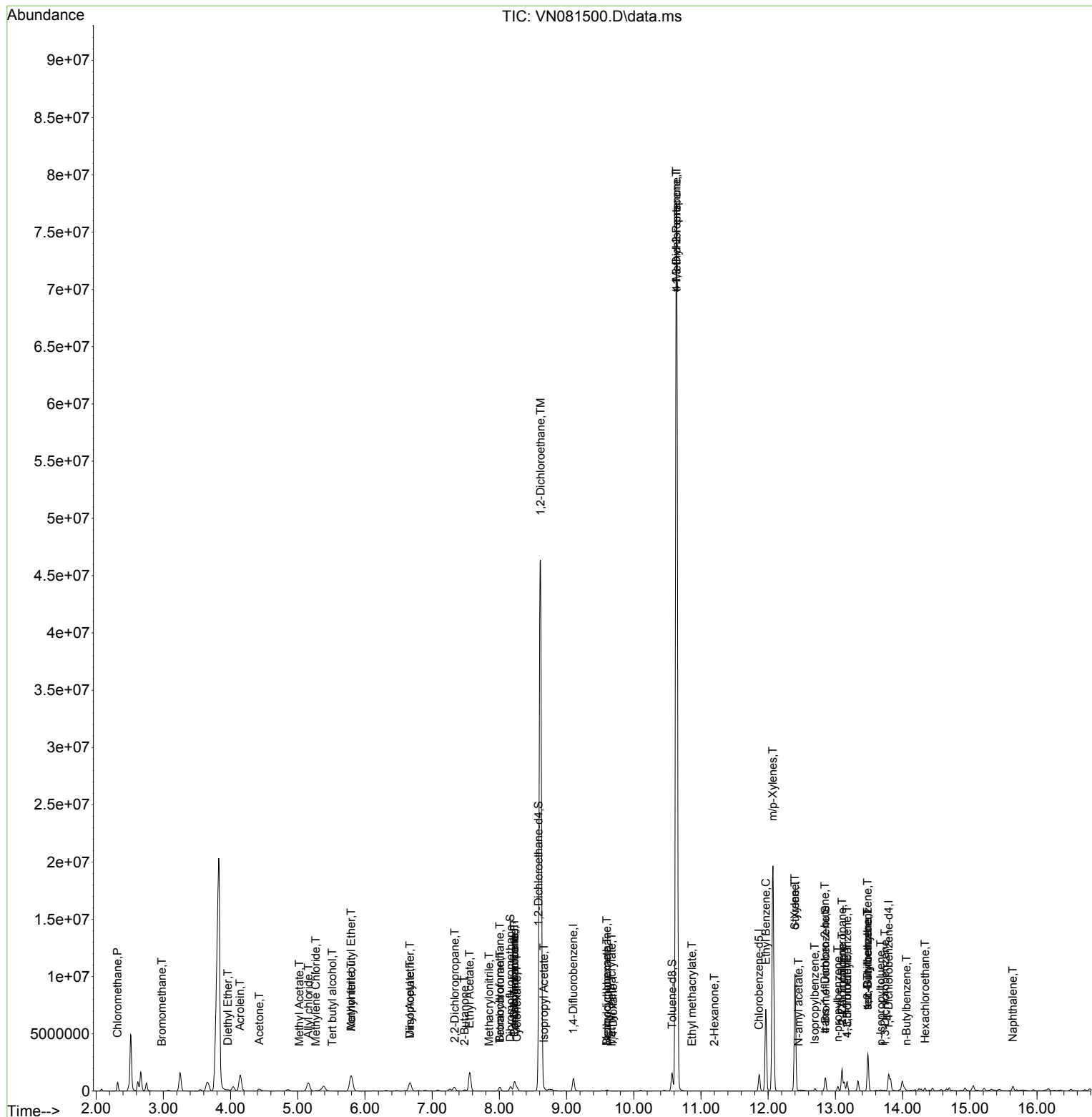
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| 73) Isopropylbenzene          | 12.694 | 105  | 136555   | 4.268  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.453 | 43   | 6387     | 0.552  | ug/l # | 64       |
| 76) 1,2,3-Trichloropropane    | 13.100 | 75   | 10688    | 1.190  | ug/l # | 1        |
| 78) n-propylbenzene           | 13.035 | 91   | 307169   | 8.130  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 13.100 | 91   | 155700   | 6.885  | ug/l # | 45       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 430369   | 16.286 | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75   | 212548   | 63.973 | ug/l # | 14       |
| 82) 4-Chlorotoluene           | 13.176 | 91   | 50467    | 2.264  | ug/l # | 44       |
| 83) tert-Butylbenzene         | 13.482 | 119  | 228876   | 10.044 | ug/l # | 74       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 1863896  | 70.177 | ug/l   | 95       |
| 85) sec-Butylbenzene          | 13.482 | 105  | 1863896  | 57.216 | ug/l # | 60       |
| 86) p-Isopropyltoluene        | 13.676 | 119  | 30770    | 1.155  | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene       | 13.741 | 146  | 3030     | 0.209  | ug/l # | 22       |
| 89) n-Butylbenzene            | 14.059 | 91   | 20845    | 0.883  | ug/l # | 85       |
| 90) Hexachloroethane          | 14.335 | 117  | 13087    | 2.595  | ug/l # | 21       |
| 95) Naphthalene               | 15.641 | 128  | 358322   | 13.684 | ug/l   | 98       |
| -----                         |        |      |          |        |        |          |

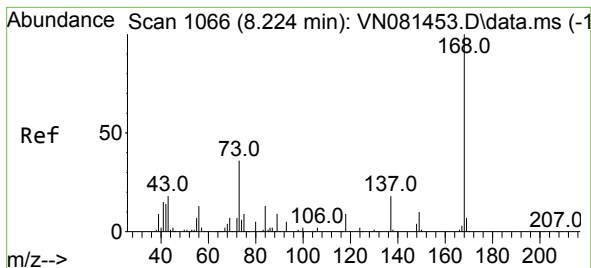
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032024\  
Data File : VN081500.D  
Acq On : 20 Mar 2024 17:46  
Operator : JC\MD  
Sample : P1799-02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Mar 21 01:23:11 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031824W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 19 06:00:00 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081500.D

Acq: 20 Mar 2024 17:46

Instrument :

MSVOA\_N

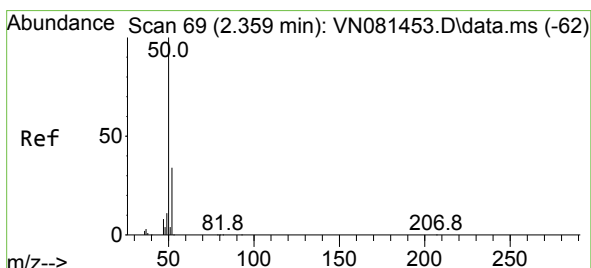
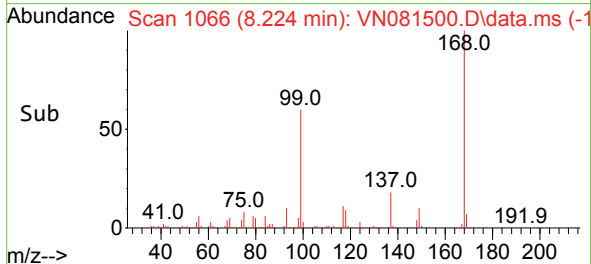
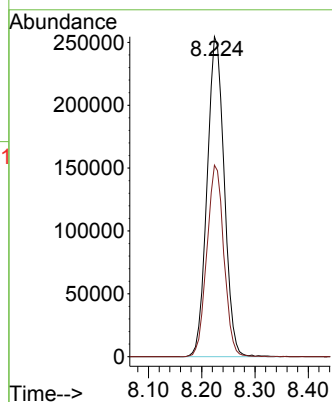
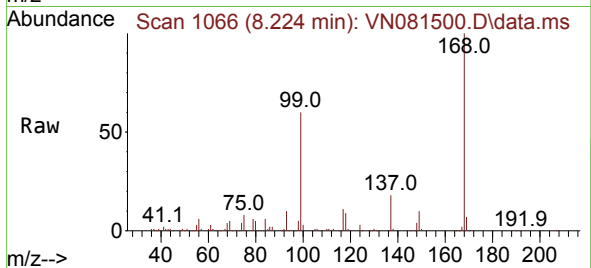
ClientSampleId :

Tgt Ion:168 Resp: 567545

Ion Ratio Lower Upper

168 100

99 59.8 59.9 89.9#



#3

Chloromethane

Concen: 1.111 ug/l

RT: 2.318 min Scan# 62

Delta R.T. -0.041 min

Lab File: VN081500.D

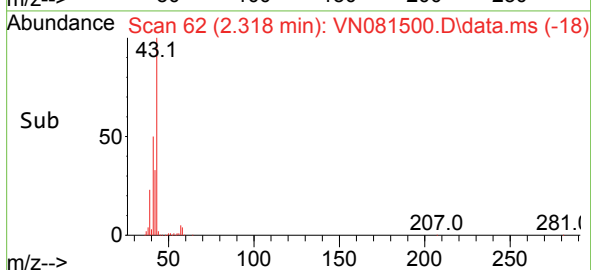
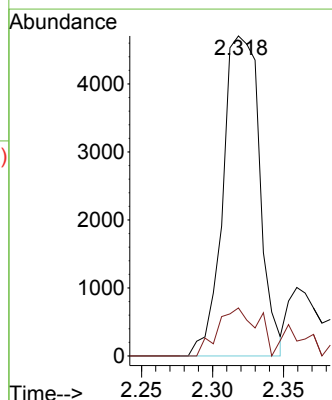
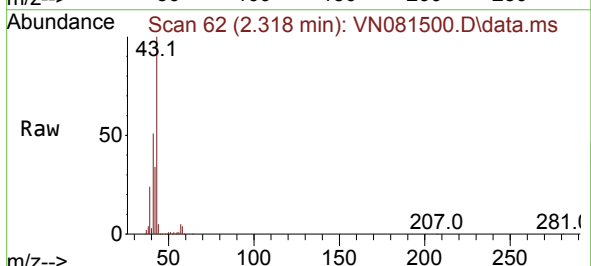
Acq: 20 Mar 2024 17:46

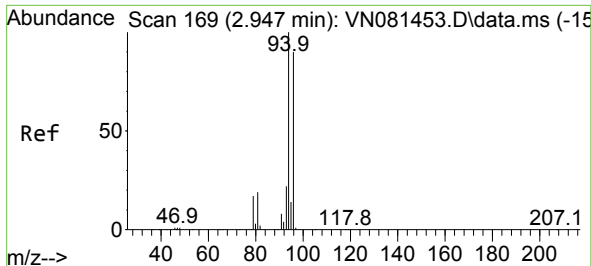
Tgt Ion: 50 Resp: 8456

Ion Ratio Lower Upper

50 100

52 15.0 25.0 37.4#

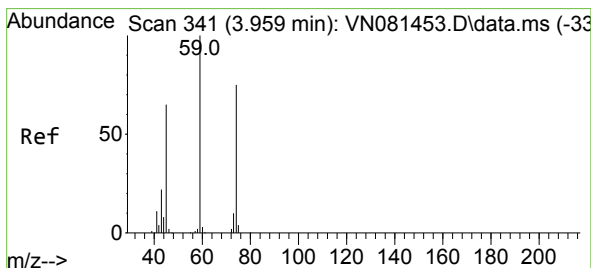
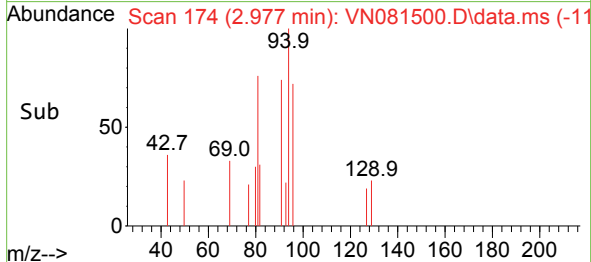
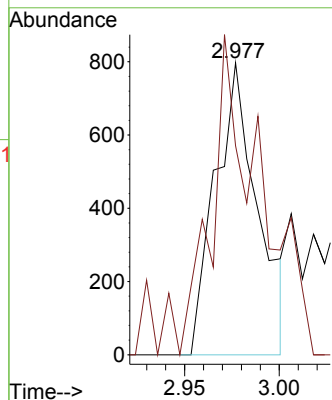
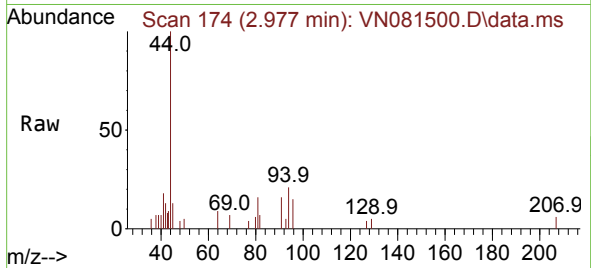




#5  
Bromomethane  
Concen: 0.205 ug/l  
RT: 2.977 min Scan# 11  
Delta R.T. 0.029 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

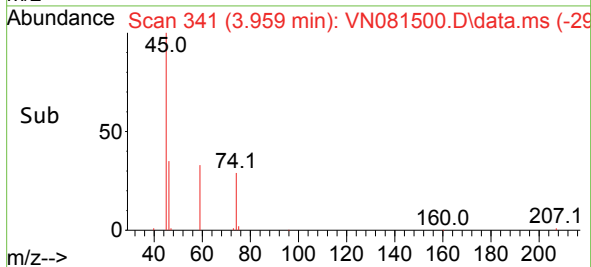
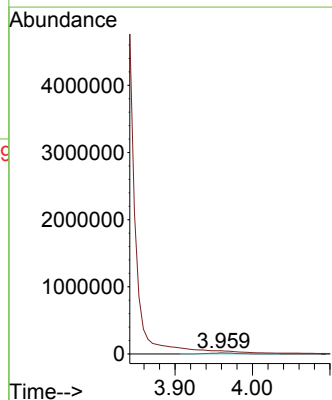
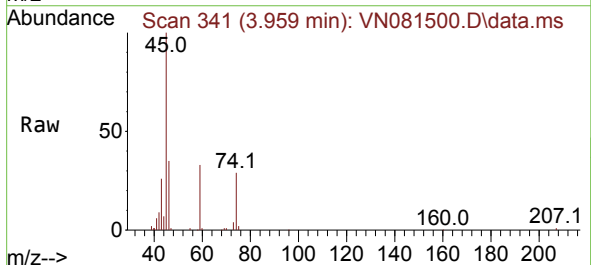
Instrument :  
MSVOA\_N  
ClientSampleId :

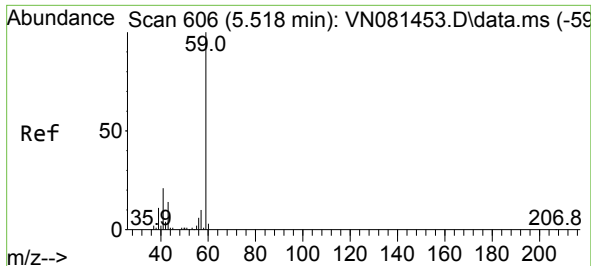
Tgt Ion: 94 Resp: 1239  
Ion Ratio Lower Upper  
94 100  
96 71.6 69.2 103.8



#8  
Diethyl Ether  
Concen: 7.767 ug/l  
RT: 3.959 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

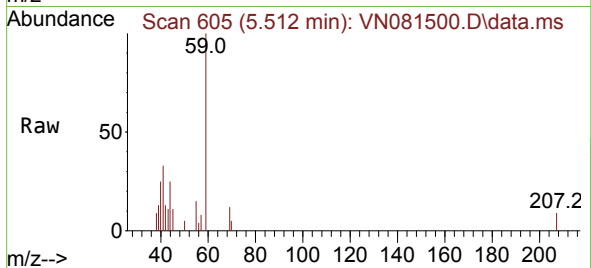
Tgt Ion: 74 Resp: 32712  
Ion Ratio Lower Upper  
74 100  
45 0.0 53.3 159.9#



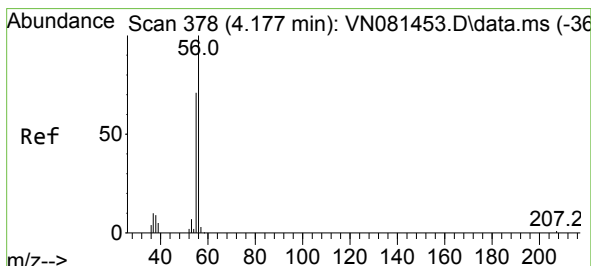
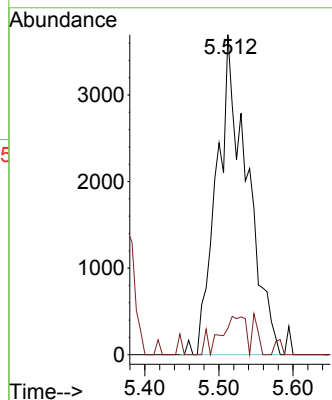
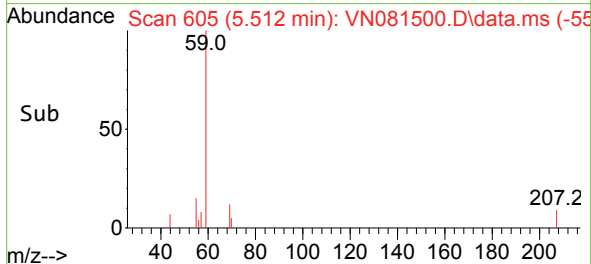


#11  
Tert butyl alcohol  
Concen: 8.311 ug/l  
RT: 5.512 min Scan# 605  
Delta R.T. -0.006 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

Instrument :  
MSVOA\_N  
ClientSampleId :

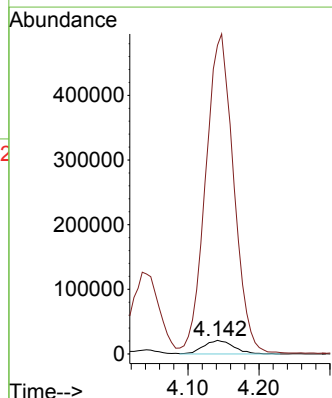
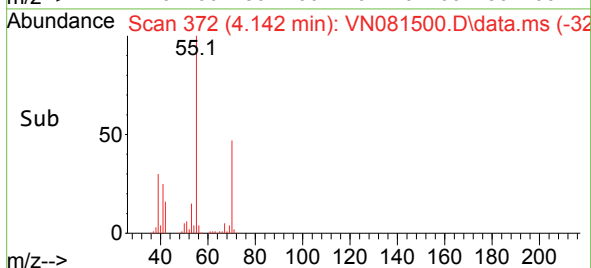
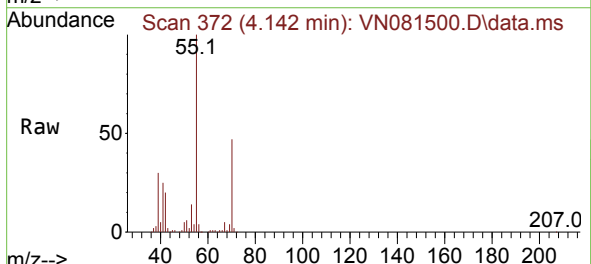


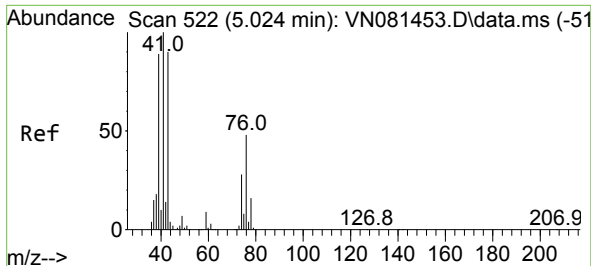
Tgt Ion: 59 Resp: 10483  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.6 12.8#



#13  
Acrolein  
Concen: 54.319 ug/l  
RT: 4.142 min Scan# 372  
Delta R.T. -0.035 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

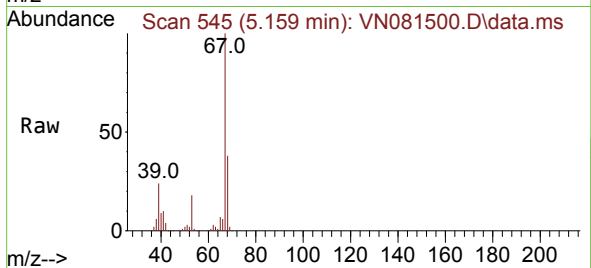
Tgt Ion: 56 Resp: 61478  
Ion Ratio Lower Upper  
56 100  
55 2200.7 55.3 82.9#



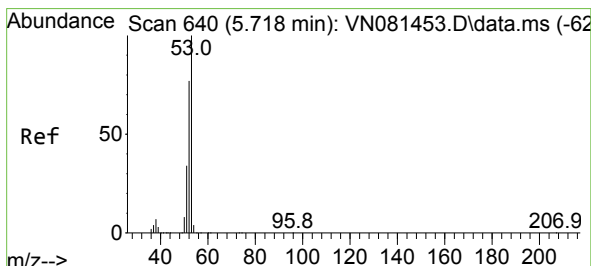
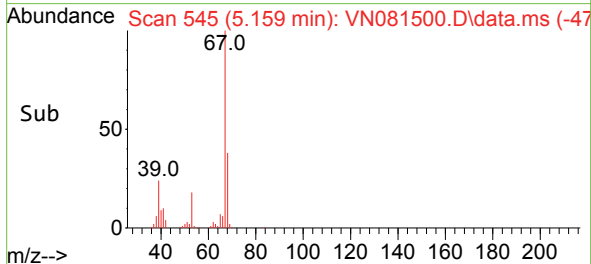
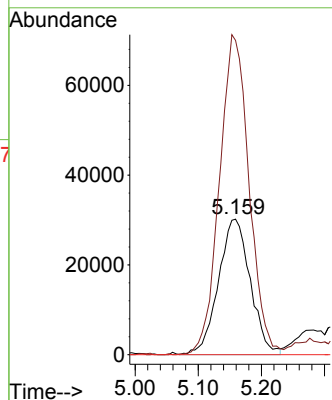


#14  
 Allyl chloride  
 Concen: 12.626 ug/l  
 RT: 5.159 min Scan# 54  
 Delta R.T. 0.135 min  
 Lab File: VN081500.D  
 Acq: 20 Mar 2024 17:46

Instrument :  
 MSVOA\_N  
 ClientSampleId :

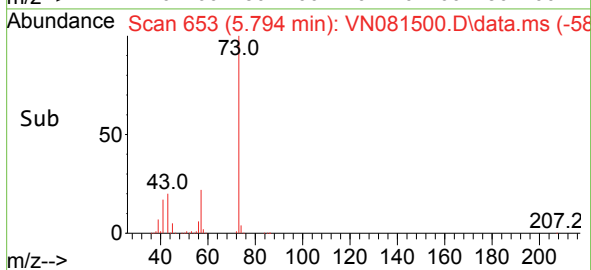
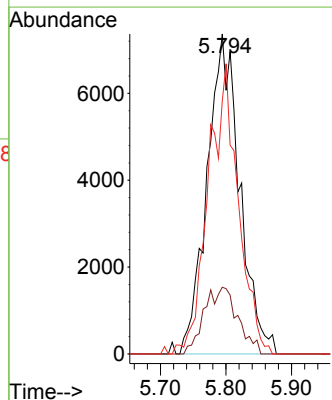
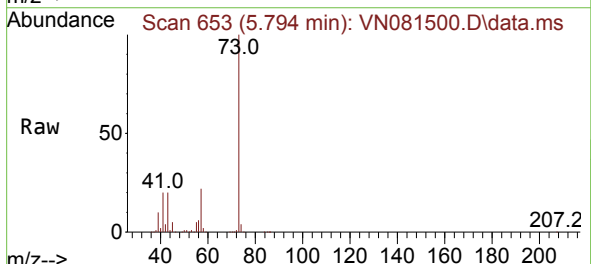


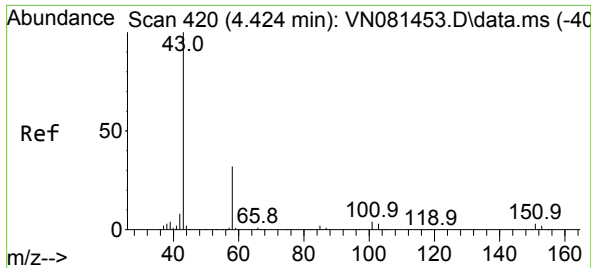
Tgt Ion: 41 Resp: 105967  
 Ion Ratio Lower Upper  
 41 100  
 39 219.9 57.7 86.5#  
 76 0.0 26.8 40.2#



#15  
 Acrylonitrile  
 Concen: 7.516 ug/l  
 RT: 5.794 min Scan# 653  
 Delta R.T. 0.077 min  
 Lab File: VN081500.D  
 Acq: 20 Mar 2024 17:46

Tgt Ion: 53 Resp: 25361  
 Ion Ratio Lower Upper  
 53 100  
 52 21.6 64.8 97.2#  
 51 83.4 26.9 40.3#

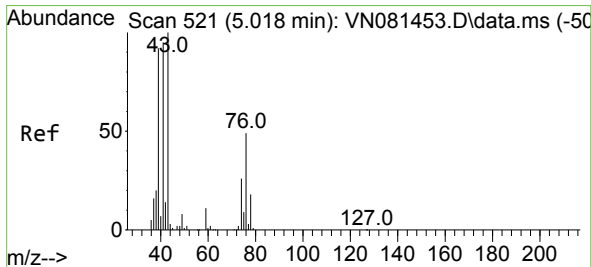
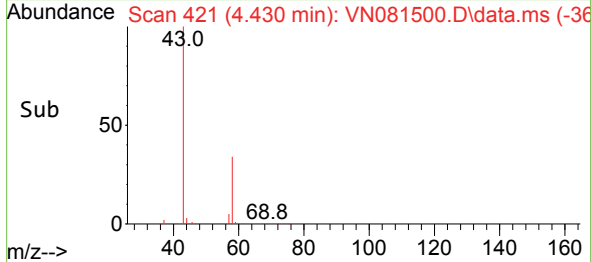
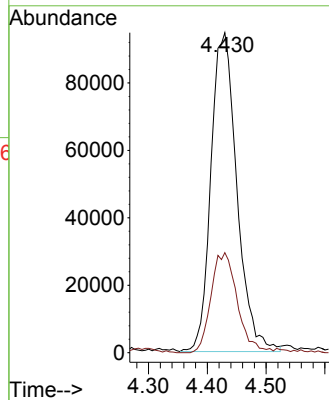
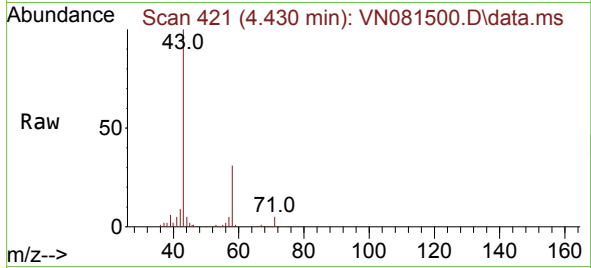




#16  
Acetone  
Concen: 124.078 ug/l  
RT: 4.430 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

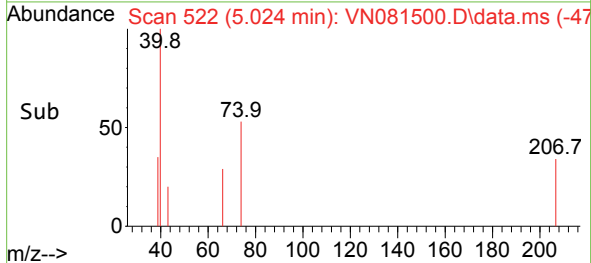
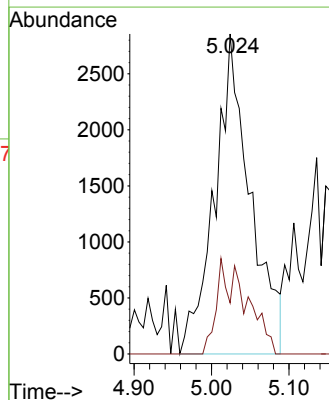
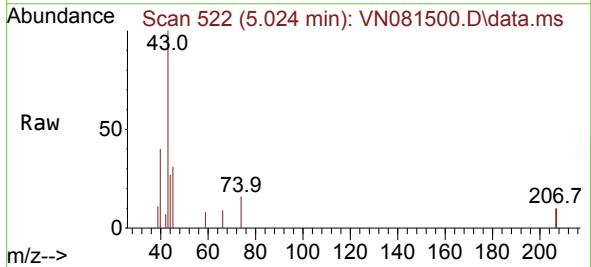
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 43 Resp: 290224  
Ion Ratio Lower Upper  
43 100  
58 31.4 24.8 37.2

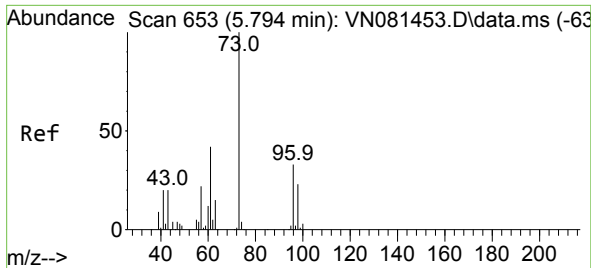


#18  
Methyl Acetate  
Concen: 1.264 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.006 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

Tgt Ion: 43 Resp: 9112  
Ion Ratio Lower Upper  
43 100  
74 10.3 17.3 25.9#



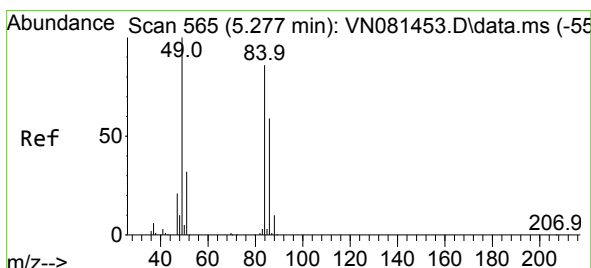
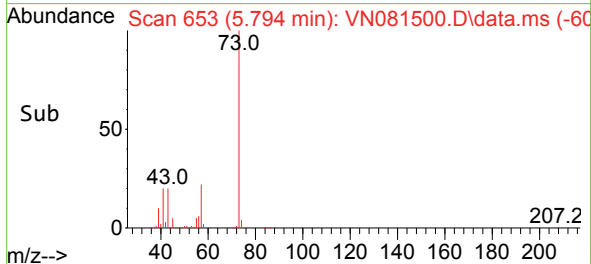
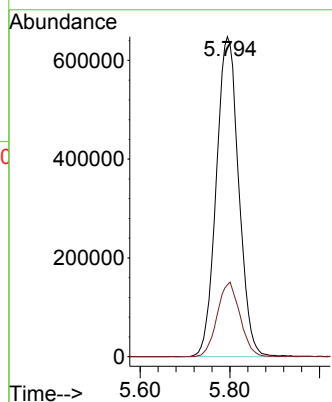
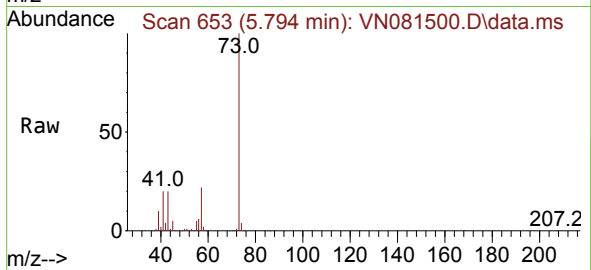




#19  
Methyl tert-butyl Ether  
Concen: 107.449 ug/l  
RT: 5.794 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

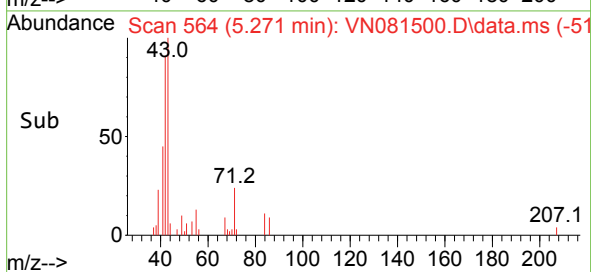
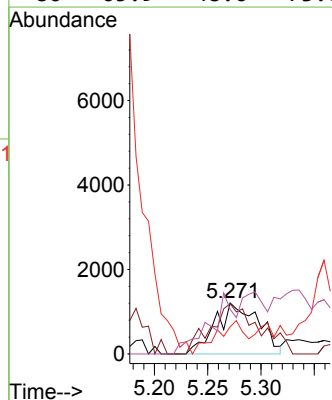
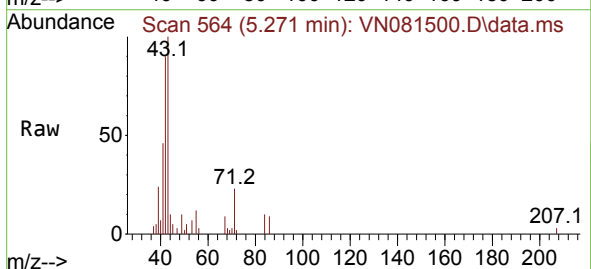
Instrument :  
MSVOA\_N  
ClientSampleId :

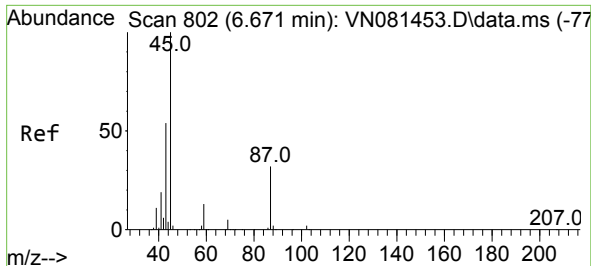
Tgt Ion: 73 Resp: 2252341  
Ion Ratio Lower Upper  
73 100  
57 22.5 18.2 27.4



#20  
Methylene Chloride  
Concen: 0.448 ug/l  
RT: 5.271 min Scan# 564  
Delta R.T. -0.006 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

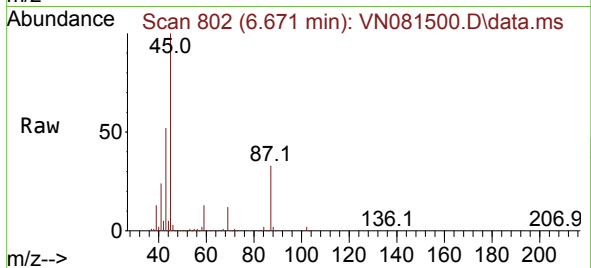
Tgt Ion: 84 Resp: 3436  
Ion Ratio Lower Upper  
84 100  
49 98.5 108.1 162.1#  
51 40.2 32.9 49.3  
86 65.9 48.6 73.0



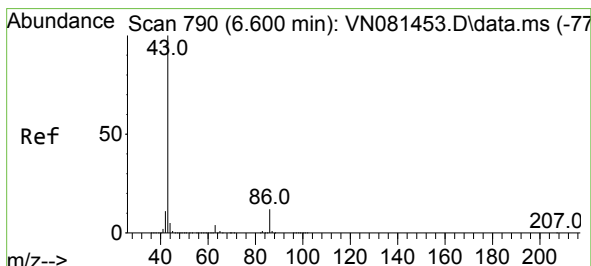
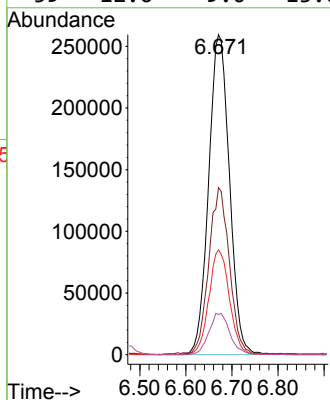
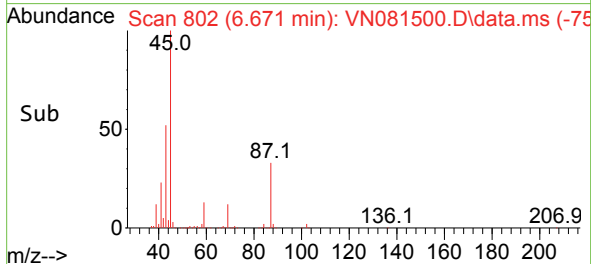


#22  
Diisopropyl ether  
Concen: 41.664 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. 0.000 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

Instrument :  
MSVOA\_N  
ClientSampleId :

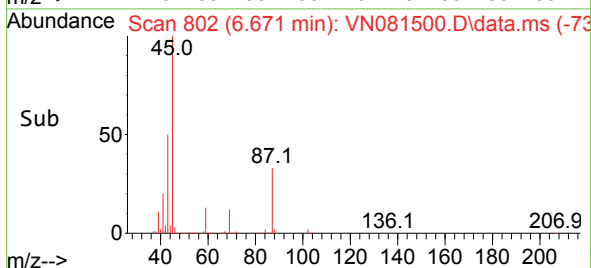
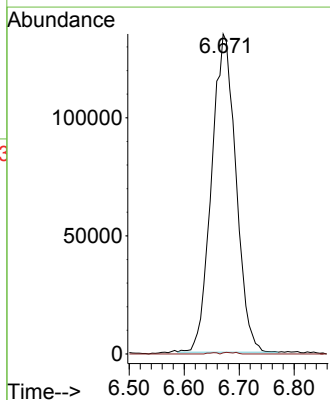
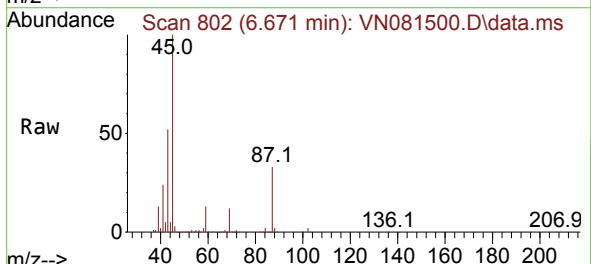


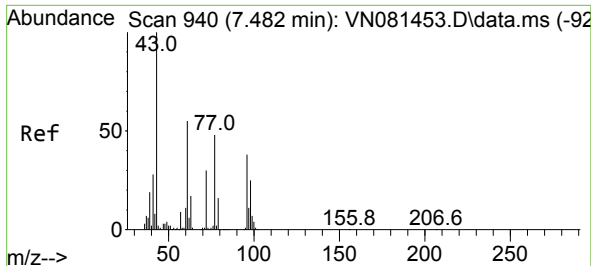
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 45 | Resp: | 812493 |
| Ion | Ratio   | Lower | Upper  |
| 45  | 100     |       |        |
| 43  | 51.9    | 41.8  | 62.8   |
| 87  | 32.8    | 18.1  | 27.1#  |
| 59  | 12.6    | 9.0   | 13.6   |



#23  
Vinyl Acetate  
Concen: 26.727 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. 0.071 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

|             |              |
|-------------|--------------|
| Tgt Ion: 43 | Resp: 414877 |
| Ion Ratio   | Lower Upper  |
| 43 100      |              |
| 86 0.3      | 7.1 10.7#    |

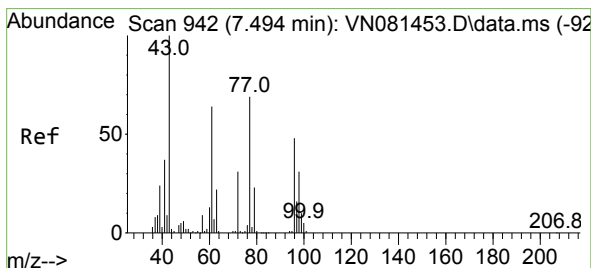
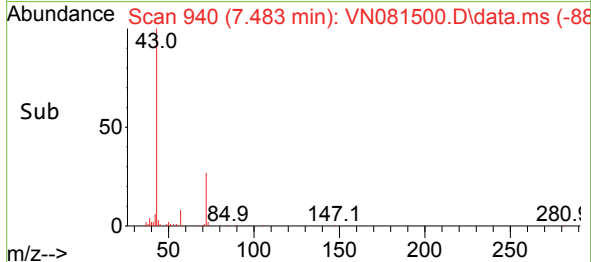
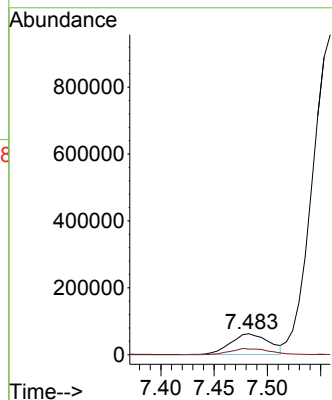
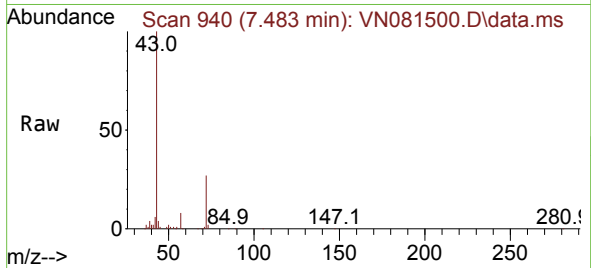




#25  
2-Butanone  
Concen: 39.429 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.000 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

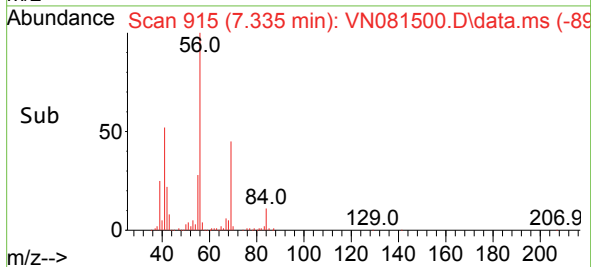
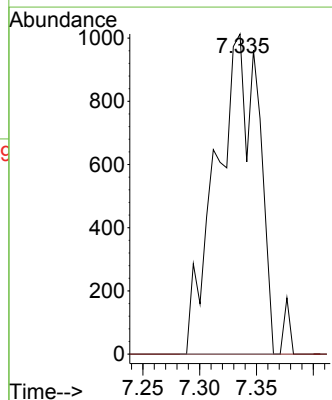
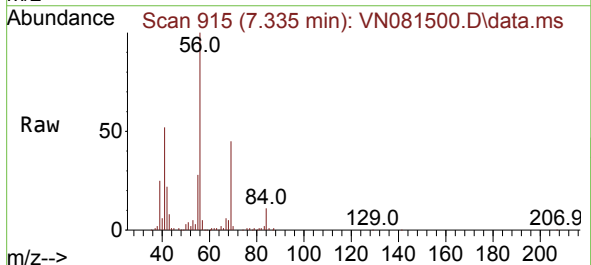
Instrument :  
MSVOA\_N  
ClientSampleId :

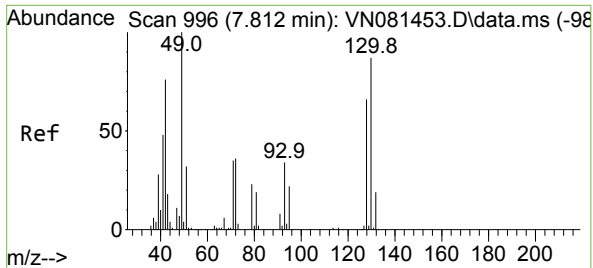
Tgt Ion: 43 Resp: 158189  
Ion Ratio Lower Upper  
43 100  
72 26.9 19.5 29.3



#26  
2,2-Dichloropropane  
Concen: 0.230 ug/l  
RT: 7.335 min Scan# 915  
Delta R.T. -0.159 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

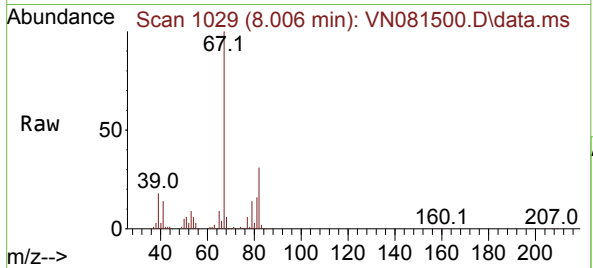
Tgt Ion: 77 Resp: 2606  
Ion Ratio Lower Upper  
77 100  
97 0.0 11.5 34.5#



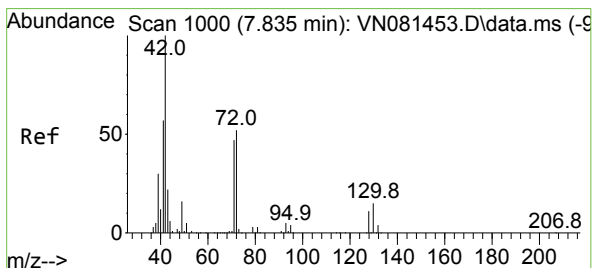
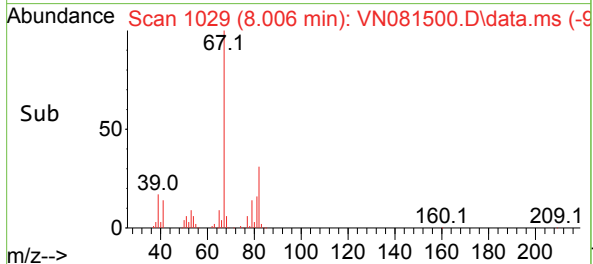
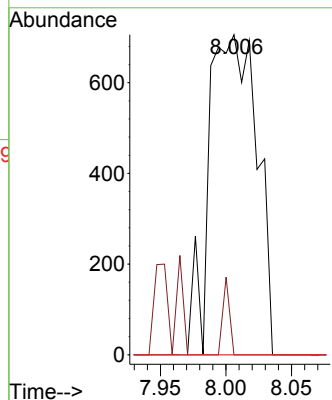


#28  
Bromochloromethane  
Concen: 0.337 ug/l  
RT: 8.006 min Scan# 1030  
Delta R.T. 0.194 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

Instrument :  
MSVOA\_N  
ClientSampleId :

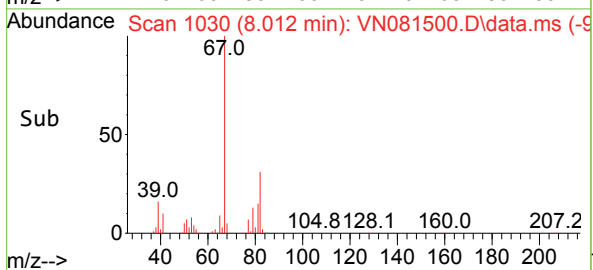
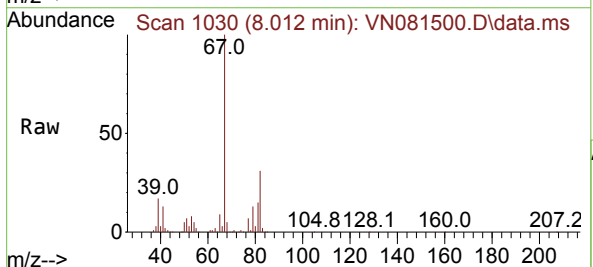
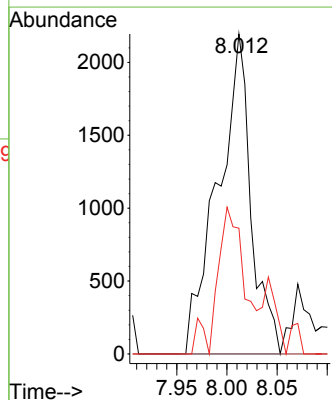


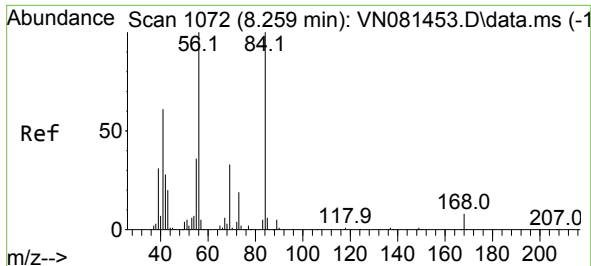
Tgt Ion: 49 Resp: 1794  
Ion Ratio Lower Upper  
49 100  
129 3.3 0.0 1.6#  
130 0.0 42.3 63.5#



#29  
Tetrahydrofuran  
Concen: 1.864 ug/l  
RT: 8.012 min Scan# 1030  
Delta R.T. 0.177 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

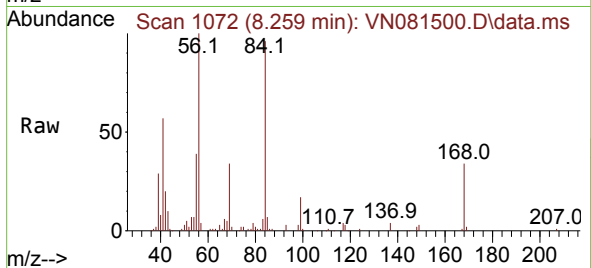
Tgt Ion: 42 Resp: 5038  
Ion Ratio Lower Upper  
42 100  
72 0.0 31.1 46.7#  
71 37.5 28.3 42.5



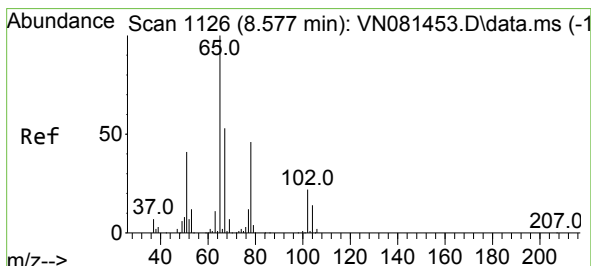
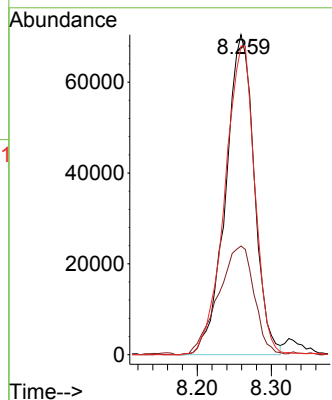
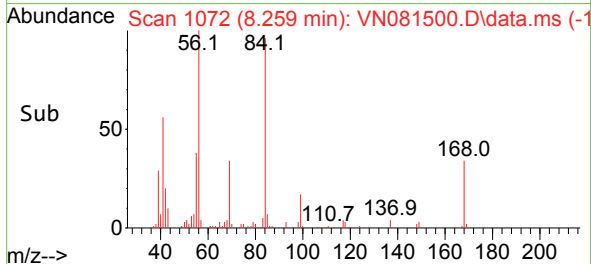


#31  
Cyclohexane  
Concen: 16.077 ug/l  
RT: 8.259 min Scan# 1072  
Delta R.T. 0.000 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

Instrument :  
MSVOA\_N  
ClientSampleId :

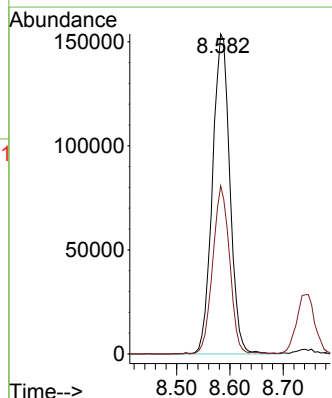
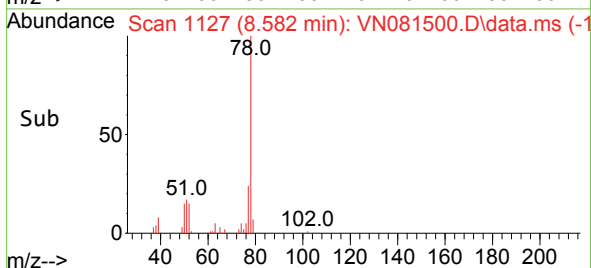
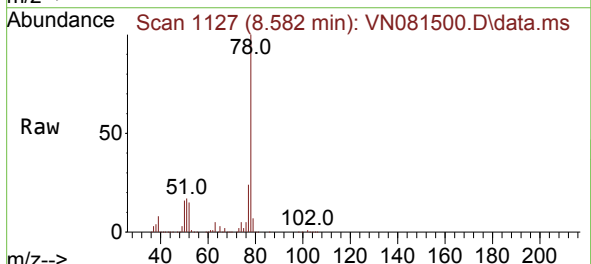


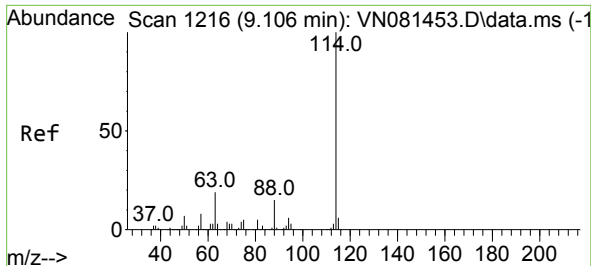
Tgt Ion: 56 Resp: 189352  
Ion Ratio Lower Upper  
56 100  
69 33.9 20.1 30.1#  
84 96.4 56.9 85.3#



#33  
1,2-Dichloroethane-d4  
Concen: 48.227 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

Tgt Ion: 65 Resp: 349055  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 114

Delta R.T. -0.006 min

Lab File: VN081500.D

Acq: 20 Mar 2024 17:46

Instrument :

MSVOA\_N

ClientSampleId :

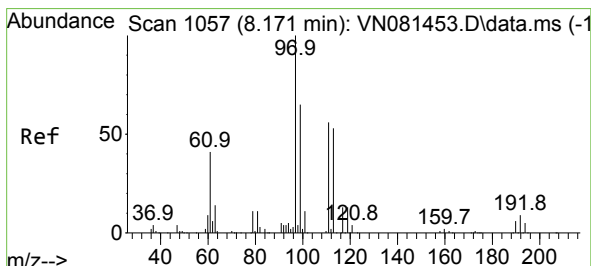
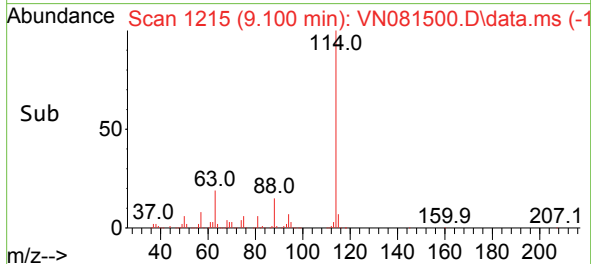
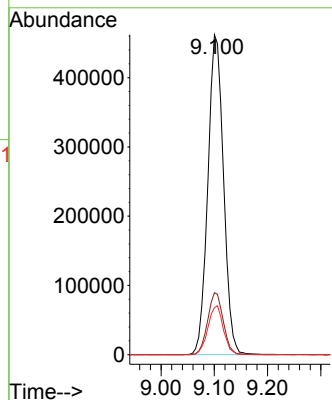
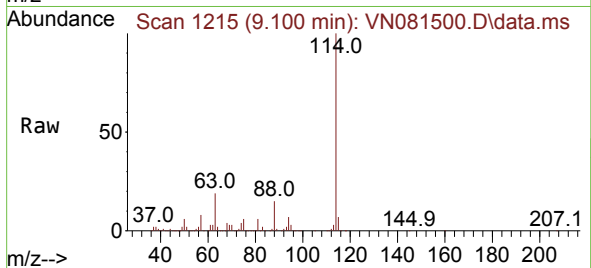
Tgt Ion:114 Resp: 944814

Ion Ratio Lower Upper

114 100

63 19.4 0.0 48.0

88 14.7 0.0 34.8



#35

Dibromofluoromethane

Concen: 46.429 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081500.D

Acq: 20 Mar 2024 17:46

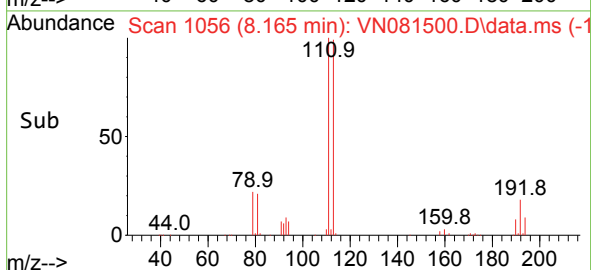
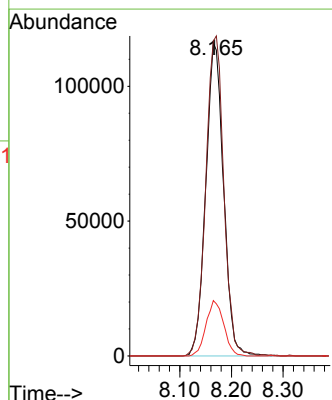
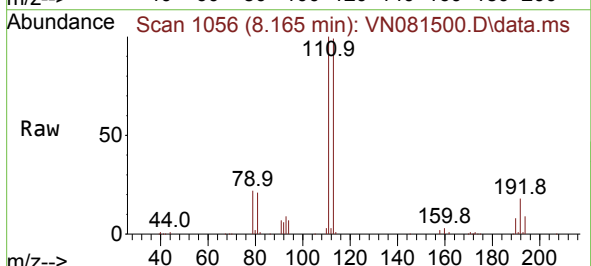
Tgt Ion:113 Resp: 276845

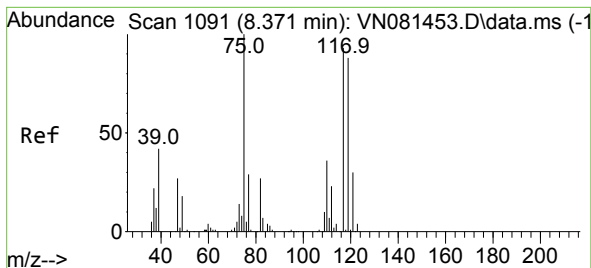
Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

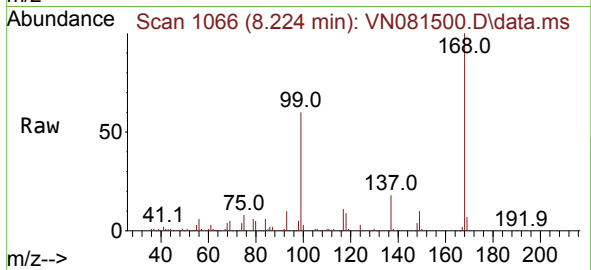
192 17.7 12.5 18.7



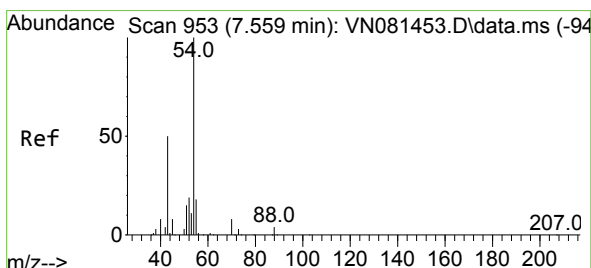
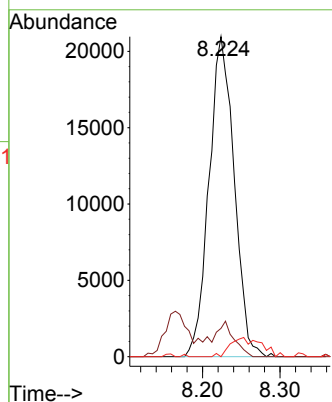
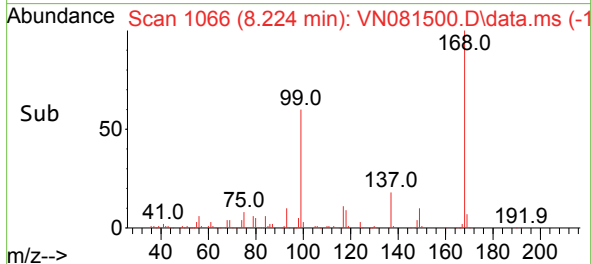


#36  
1,1-Dichloropropene  
Concen: 4.709 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.147 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

Instrument :  
MSVOA\_N  
ClientSampleId :

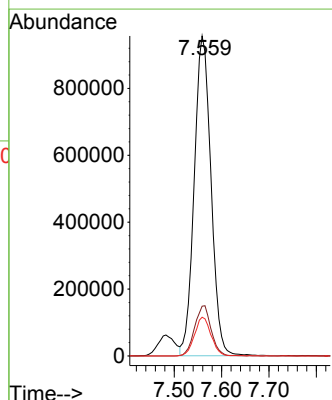
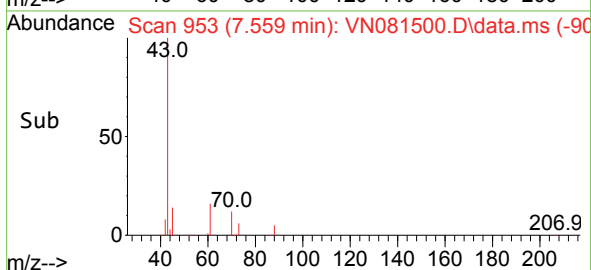
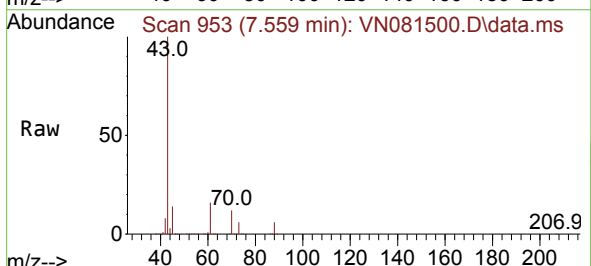


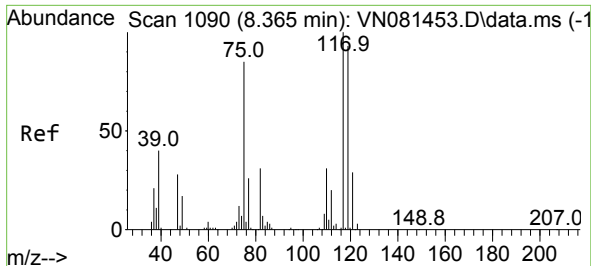
Tgt Ion: 75 Resp: 47255  
Ion Ratio Lower Upper  
75 100  
110 7.3 16.0 48.0#  
77 0.0 25.8 38.6#



#37  
Ethyl Acetate  
Concen: 273.863 ug/l  
RT: 7.559 min Scan# 953  
Delta R.T. 0.000 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

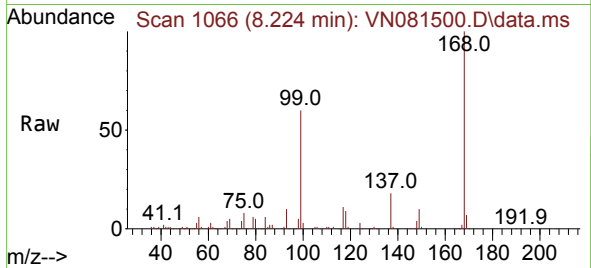
Tgt Ion: 43 Resp: 2353198  
Ion Ratio Lower Upper  
43 100  
61 15.5 10.6 15.8  
70 12.0 8.0 12.0#



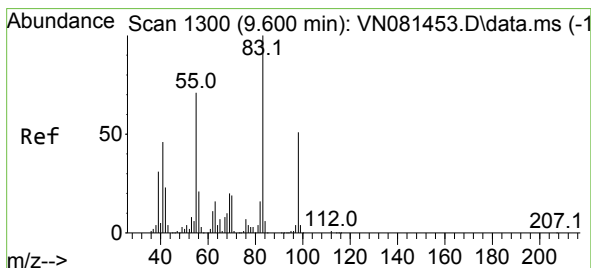
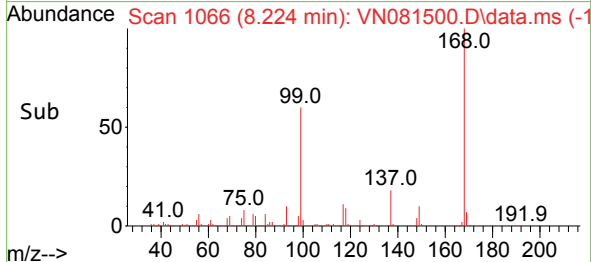
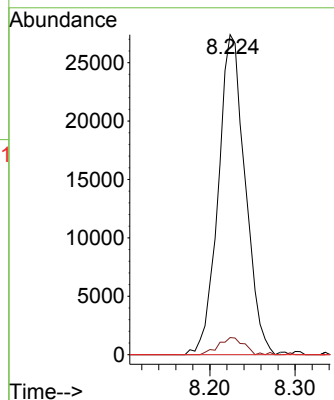


#38  
Carbon Tetrachloride  
Concen: 5.473 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.141 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

Instrument :  
MSVOA\_N  
ClientSampleId :

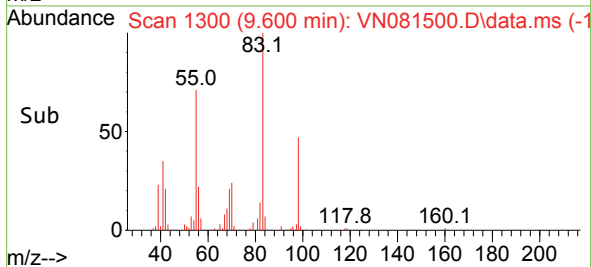
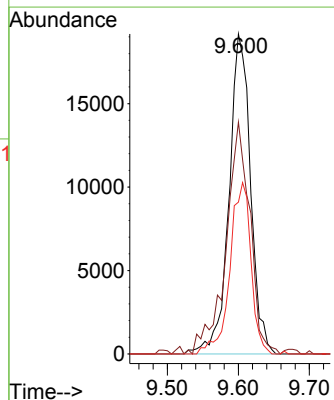
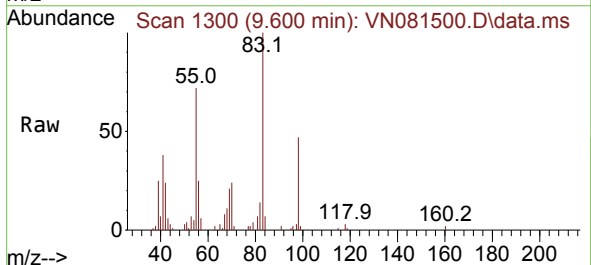


Tgt Ion:117 Resp: 60166  
Ion Ratio Lower Upper  
117 100  
119 5.3 73.4 110.2#  
121 0.0 24.4 36.6#

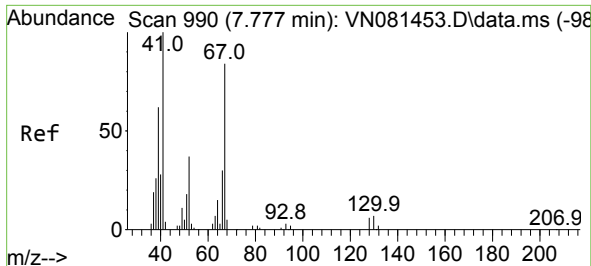


#39  
Methylcyclohexane  
Concen: 3.605 ug/l  
RT: 9.600 min Scan# 1300  
Delta R.T. 0.000 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

Tgt Ion: 83 Resp: 40394  
Ion Ratio Lower Upper  
83 100  
55 72.4 65.7 98.5  
98 47.4 33.8 50.6

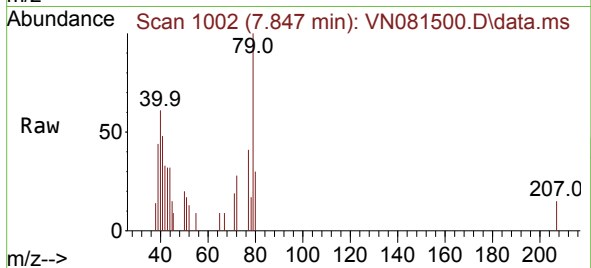




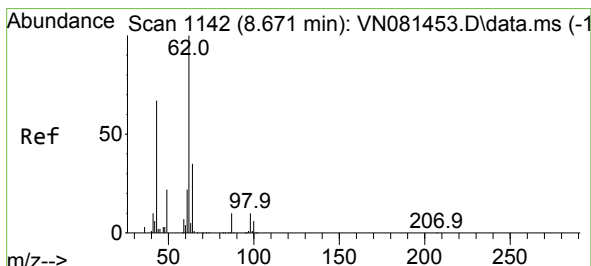
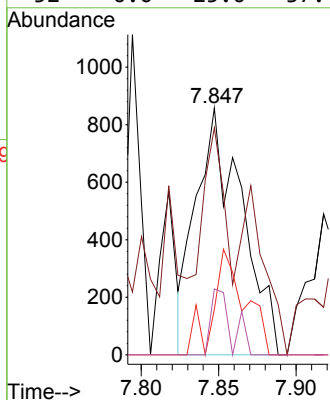
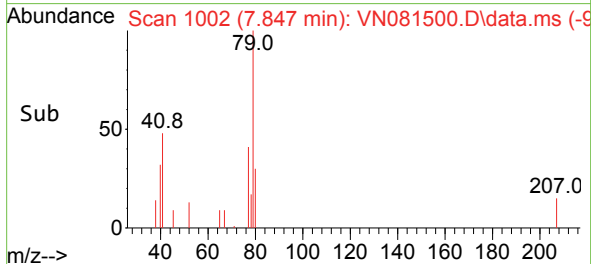


#41  
Methacrylonitrile  
Concen: 0.390 ug/l  
RT: 7.847 min Scan# 1100  
Delta R.T. 0.071 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

Instrument :  
MSVOA\_N  
ClientSampleId :

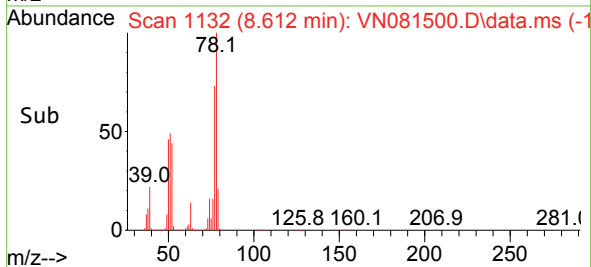
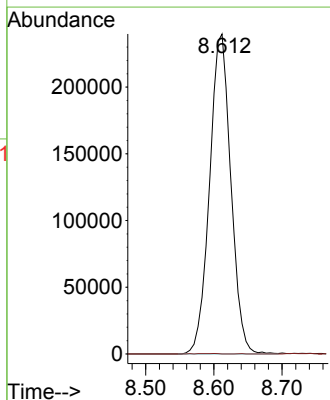
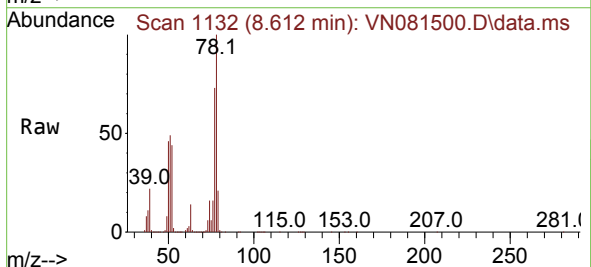


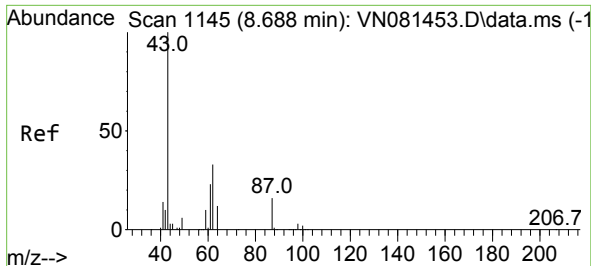
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 1771  |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 0.0      | 48.4 72.6#  |
| 67 0.0      | 56.8 85.2#  |
| 52 0.0      | 25.0 37.4#  |



#42  
1,2-Dichloroethane  
Concen: 50.521 ug/l  
RT: 8.612 min Scan# 1132  
Delta R.T. -0.059 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

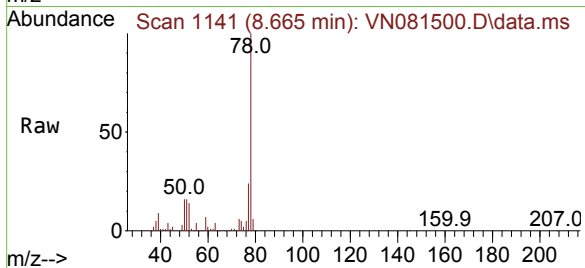
|             |              |
|-------------|--------------|
| Tgt Ion: 62 | Resp: 521590 |
| Ion Ratio   | Lower Upper  |
| 62 100      |              |
| 98 0.1      | 0.0 18.0     |



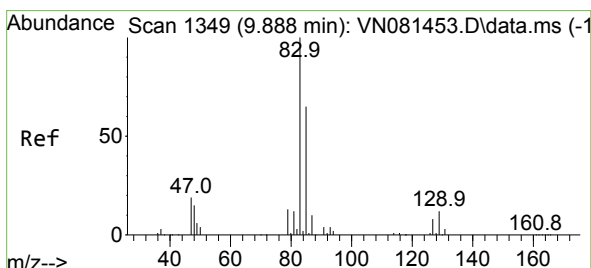
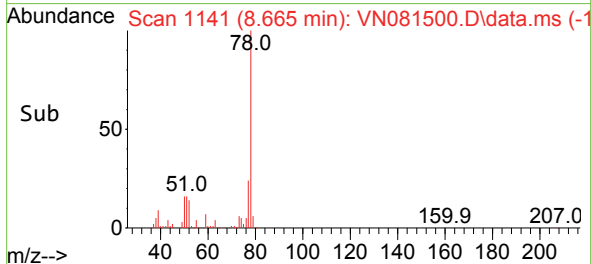
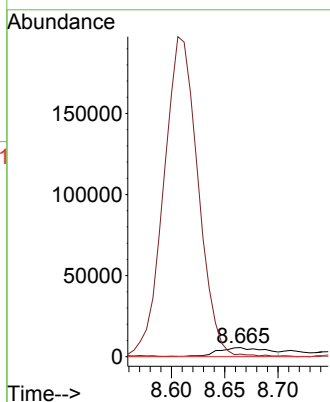


#43  
Isopropyl Acetate  
Concen: 1.183 ug/l  
RT: 8.665 min Scan# 1141  
Delta R.T. -0.023 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

Instrument :  
MSVOA\_N  
ClientSampleId :

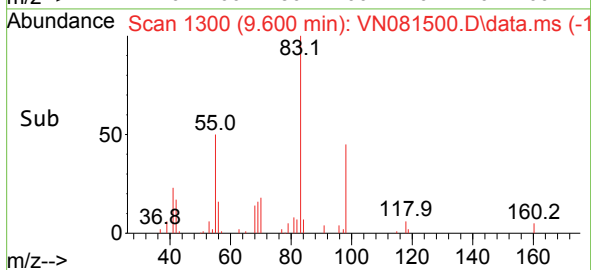
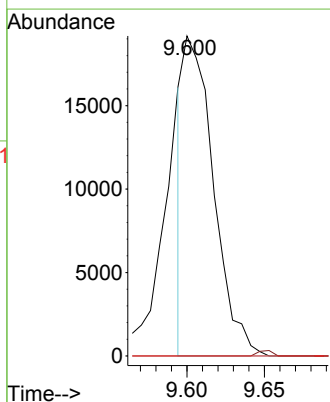
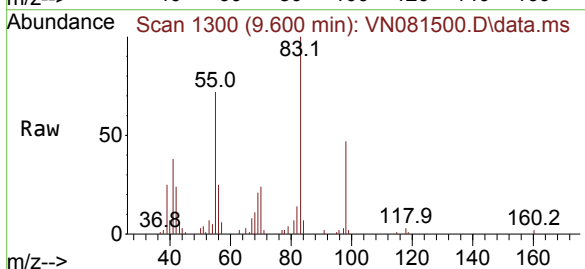


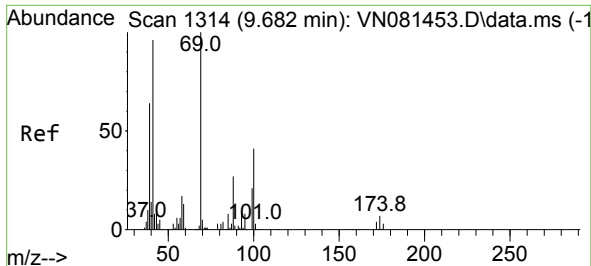
Tgt Ion: 43 Resp: 16849  
Ion Ratio Lower Upper  
43 100  
61 0.0 19.9 29.9#  
87 0.0 9.0 13.6#



#47  
Bromodichloromethane  
Concen: 2.445 ug/l  
RT: 9.600 min Scan# 1300  
Delta R.T. -0.288 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

Tgt Ion: 83 Resp: 25808  
Ion Ratio Lower Upper  
83 100  
85 0.0 52.3 78.5#  
127 0.0 4.6 7.0#





#48

Methyl methacrylate

Concen: 0.267 ug/l

RT: 9.671 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN081500.D

Acq: 20 Mar 2024 17:46

Instrument :

MSVOA\_N

ClientSampleId :

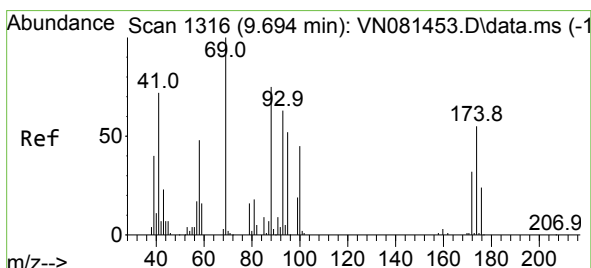
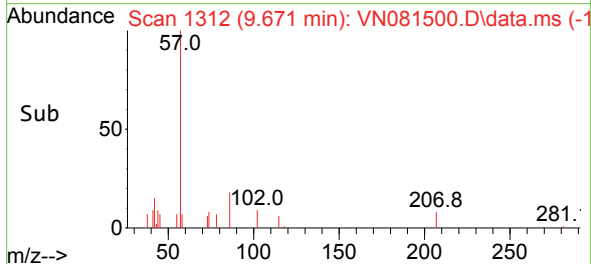
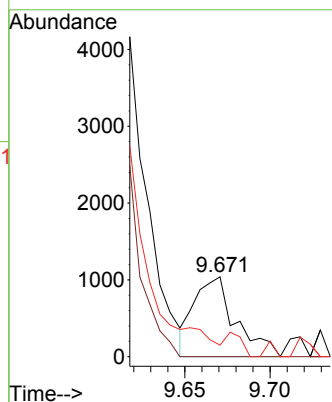
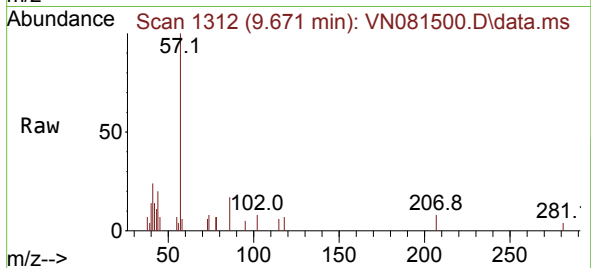
Tgt Ion: 41 Resp: 1757

Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.2#

39 0.0 47.6 71.4#



#49

1,4-Dioxane

Concen: 0.437 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN081500.D

Acq: 20 Mar 2024 17:46

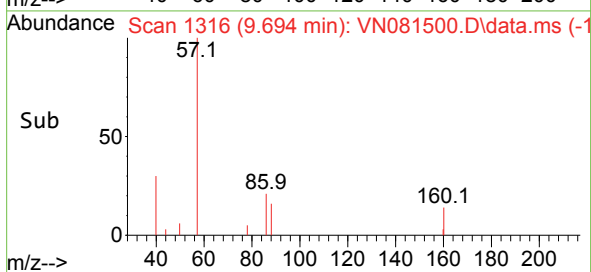
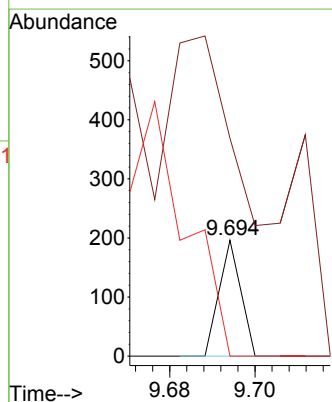
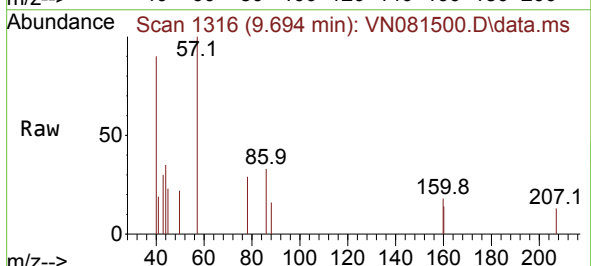
Tgt Ion: 88 Resp: 69

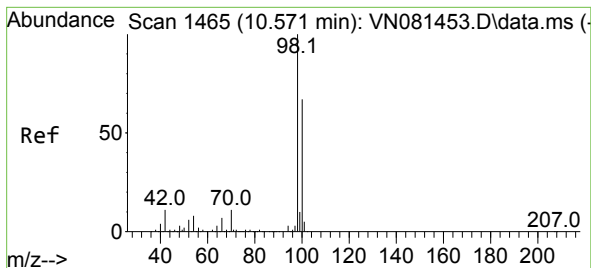
Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#





#50

Toluene-d8

Concen: 51.629 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN081500.D

Acq: 20 Mar 2024 17:46

Instrument :

MSVOA\_N

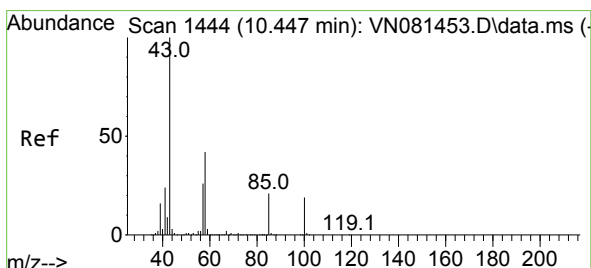
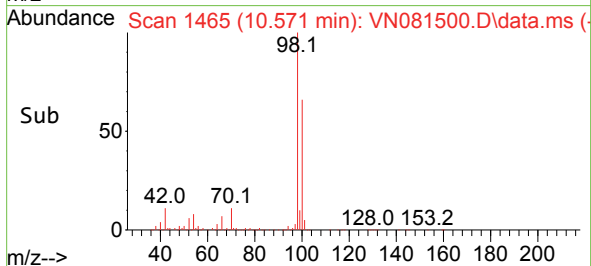
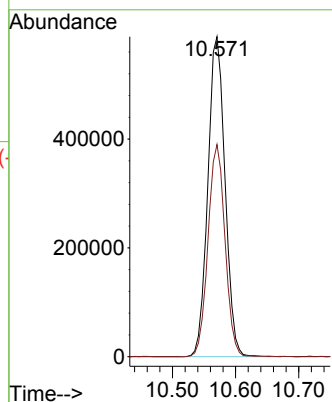
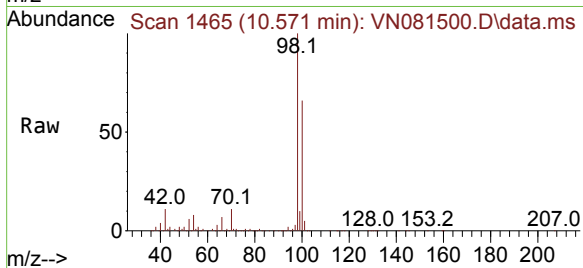
ClientSampleId :

Tgt Ion: 98 Resp: 1112837

Ion Ratio Lower Upper

98 100

100 65.6 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 63.876 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.188 min

Lab File: VN081500.D

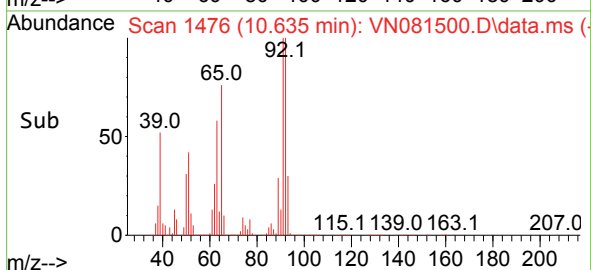
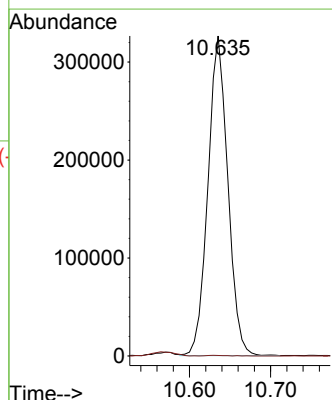
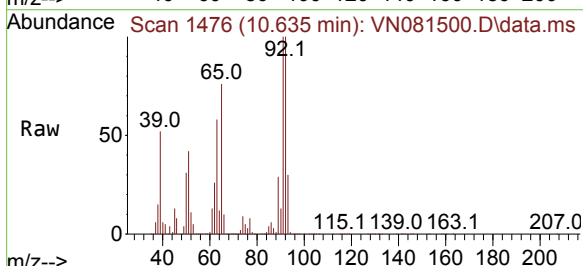
Acq: 20 Mar 2024 17:46

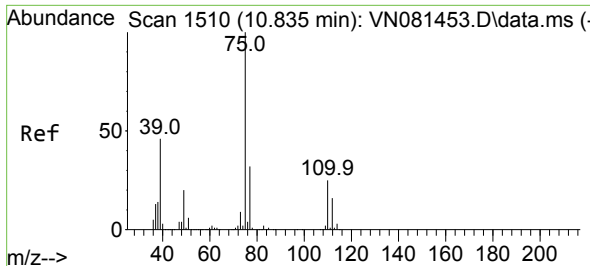
Tgt Ion: 43 Resp: 555156

Ion Ratio Lower Upper

43 100

58 0.1 29.4 44.0#

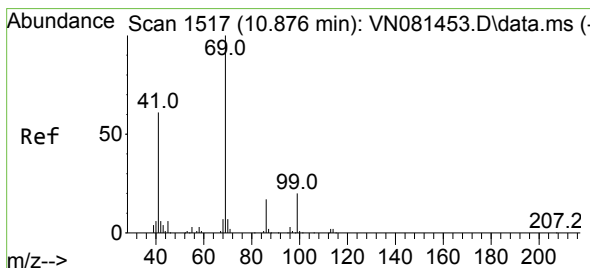
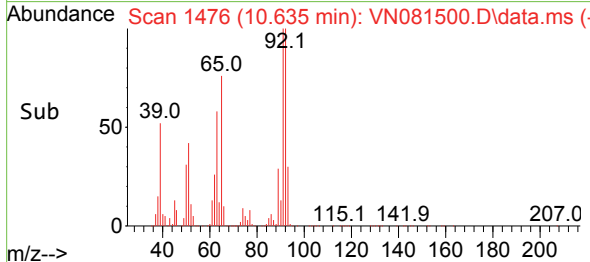
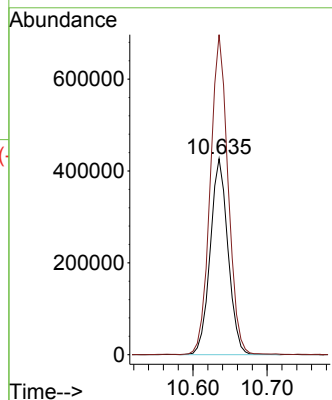
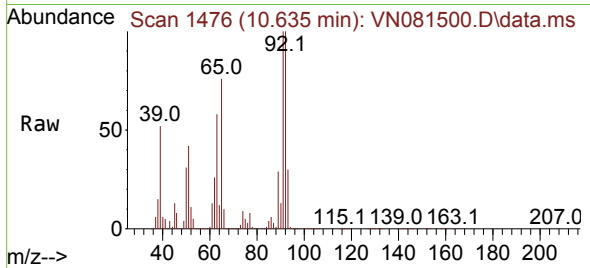




#53  
t-1,3-Dichloropropene  
Concen: 62.257 ug/l  
RT: 10.635 min Scan# 14  
Delta R.T. -0.200 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

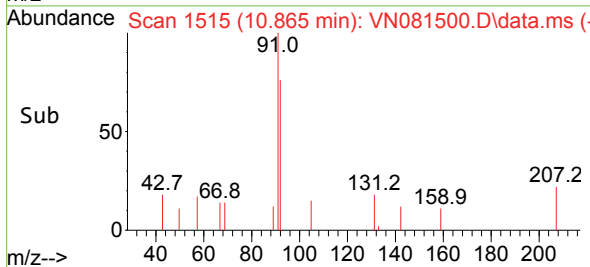
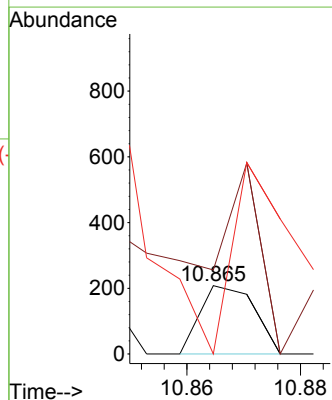
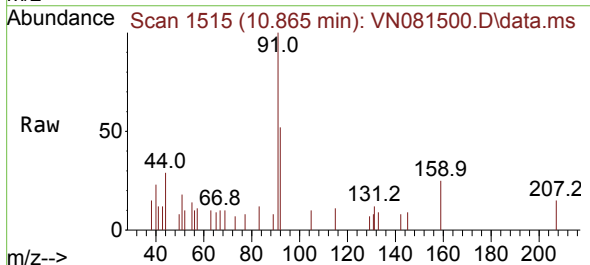
Instrument :  
MSVOA\_N  
ClientSampleId :

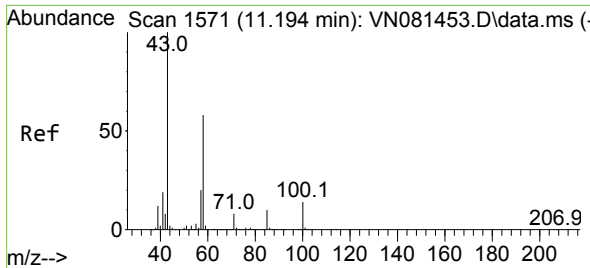
Tgt Ion: 75 Resp: 709687  
Ion Ratio Lower Upper  
75 100  
77 163.2 25.5 38.3#



#56  
Ethyl methacrylate  
Concen: 0.584 ug/l  
RT: 10.865 min Scan# 1515  
Delta R.T. -0.011 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

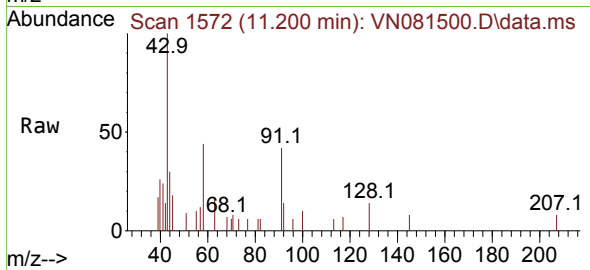
Tgt Ion: 69 Resp: 138  
Ion Ratio Lower Upper  
69 100  
41 0.0 61.0 91.6#  
39 0.0 31.8 47.6#



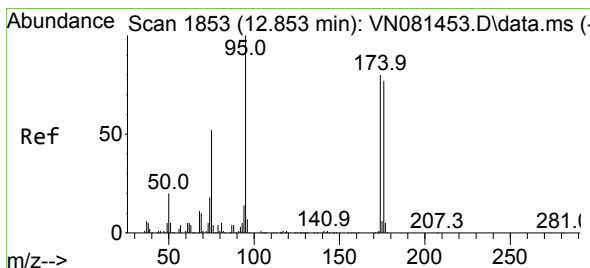
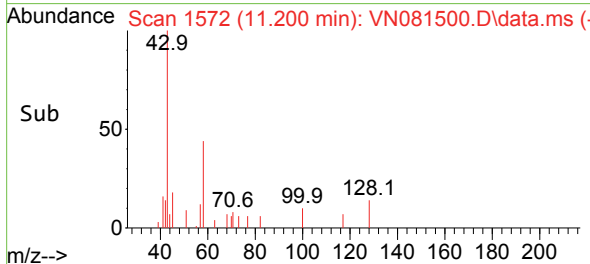
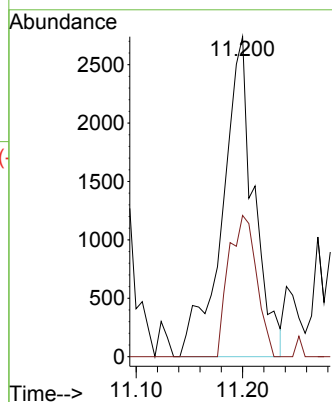


#59  
2-Hexanone  
Concen: 0.874 ug/l  
RT: 11.200 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

Instrument :  
MSVOA\_N  
ClientSampleId :

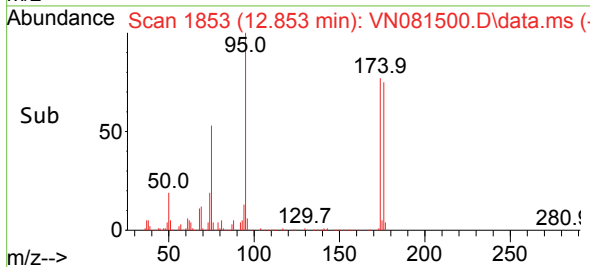
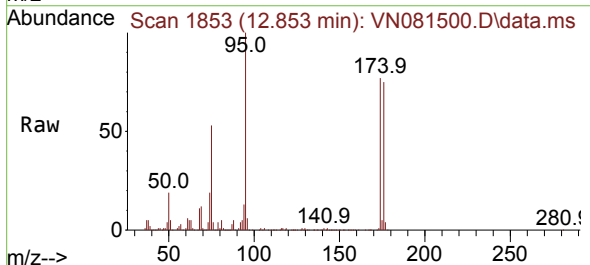
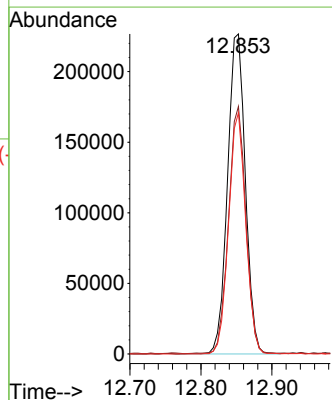


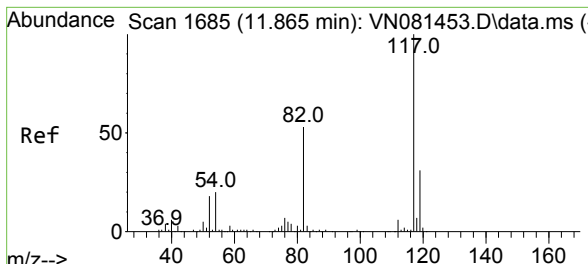
Tgt Ion: 43 Resp: 5613  
Ion Ratio Lower Upper  
43 100  
58 39.1 25.9 77.8



#62  
4-Bromofluorobenzene  
Concen: 52.052 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

Tgt Ion: 95 Resp: 395336  
Ion Ratio Lower Upper  
95 100  
174 75.3 0.0 120.4  
176 72.2 0.0 121.0

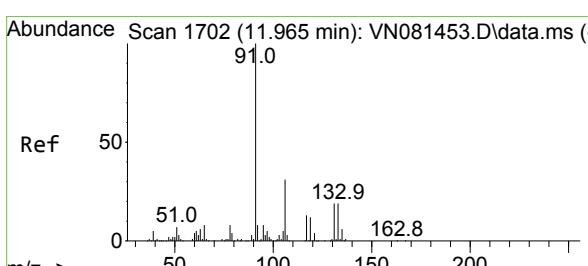
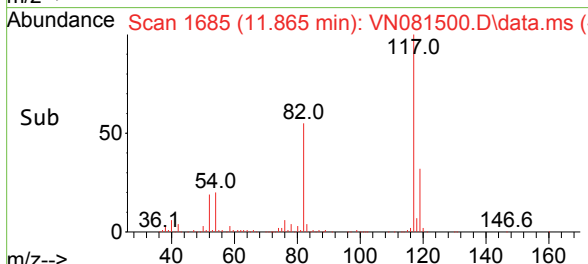
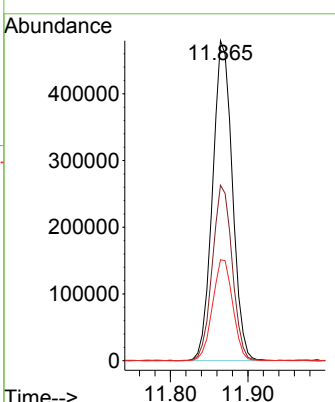
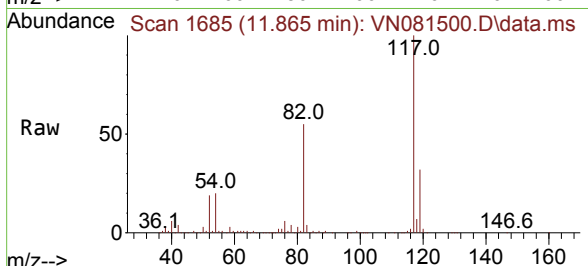




#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.865 min Scan# 1685  
 Delta R.T. 0.000 min  
 Lab File: VN081500.D  
 Acq: 20 Mar 2024 17:46

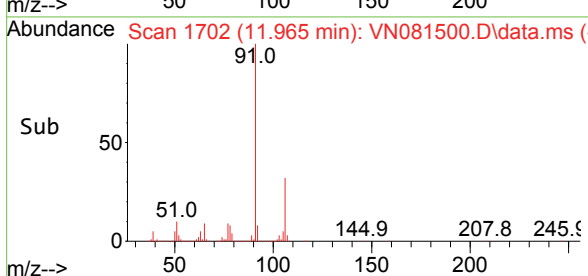
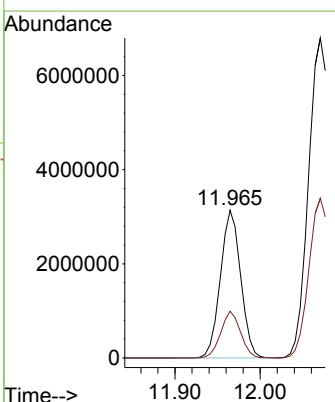
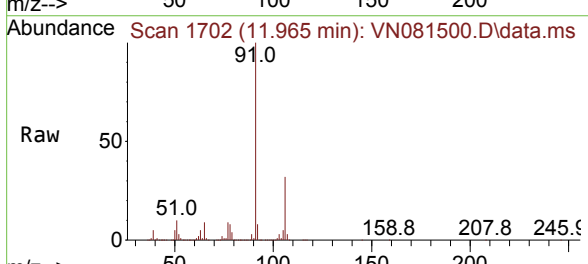
Instrument :  
 MSVOA\_N  
 ClientSampleId :

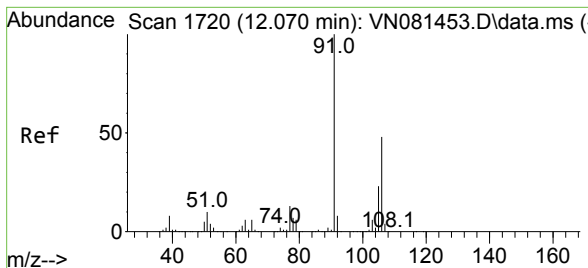
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 851070 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 54.9  | 52.7  | 79.1   |
| 119      | 31.5  | 25.3  | 37.9   |



#67  
 Ethyl Benzene  
 Concen: 148.259 ug/l  
 RT: 11.965 min Scan# 1702  
 Delta R.T. 0.000 min  
 Lab File: VN081500.D  
 Acq: 20 Mar 2024 17:46

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 91    | Resp: | 5181442 |
| Ion      | Ratio | Lower | Upper   |
| 91       | 100   |       |         |
| 106      | 31.6  | 23.8  | 35.6    |

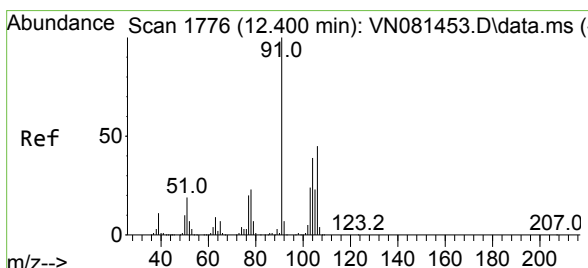
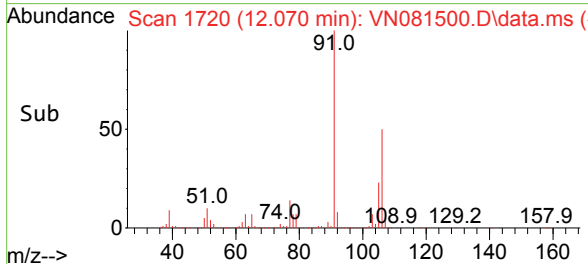
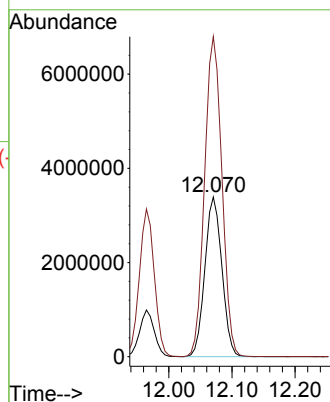
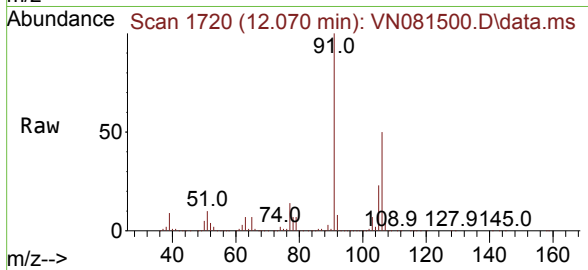




#68  
m/p-Xylenes  
Concen: 484.003 ug/l  
RT: 12.070 min Scan# 1720  
Delta R.T. 0.000 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

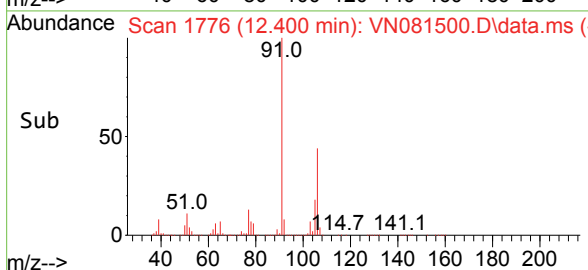
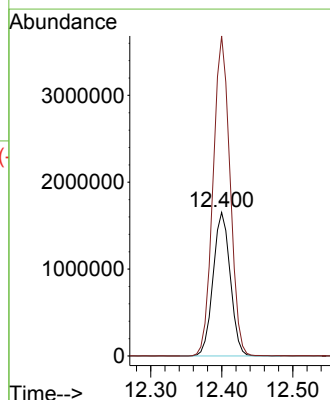
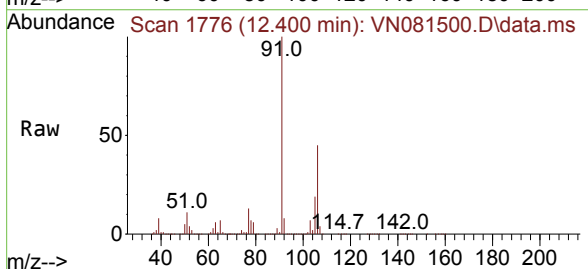
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:106 Resp: 6341267  
Ion Ratio Lower Upper  
106 100  
91 204.2 169.0 253.6

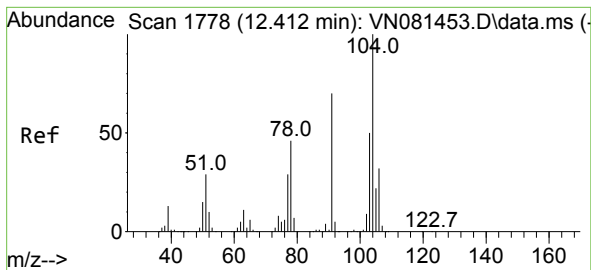


#69  
o-Xylene  
Concen: 214.944 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. 0.000 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

Tgt Ion:106 Resp: 2764658  
Ion Ratio Lower Upper  
106 100  
91 220.8 112.1 336.3







#70

Styrene

Concen: 7.230 ug/l

RT: 12.400 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN081500.D

Acq: 20 Mar 2024 17:46

Instrument :

MSVOA\_N

ClientSampleId :

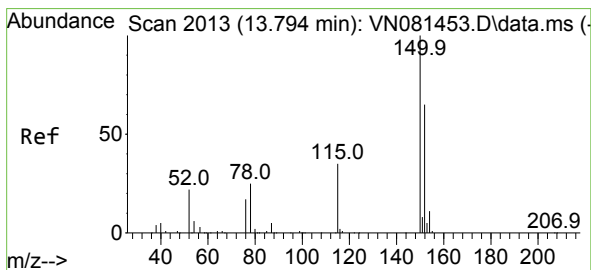
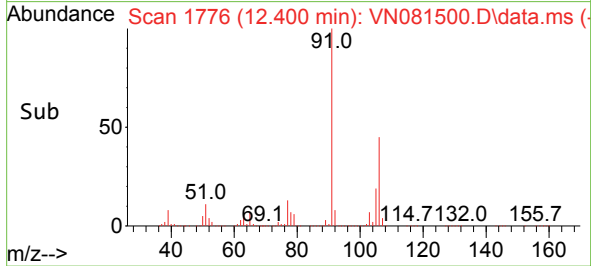
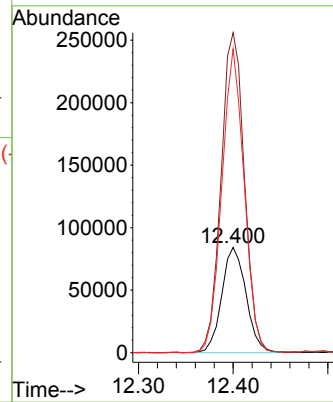
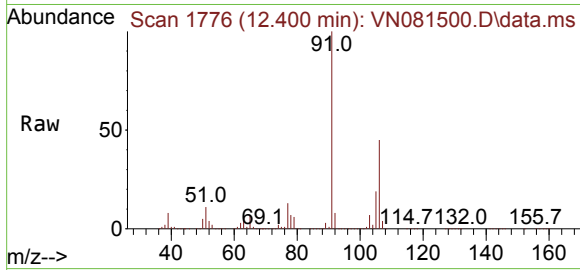
Tgt Ion:104 Resp: 149972

Ion Ratio Lower Upper

104 100

78 293.3 43.8 65.8#

103 265.3 44.2 66.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN081500.D

Acq: 20 Mar 2024 17:46

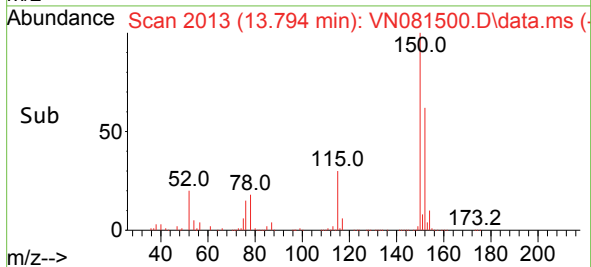
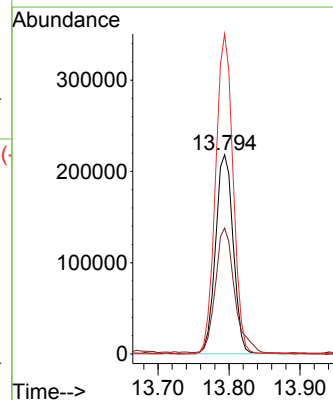
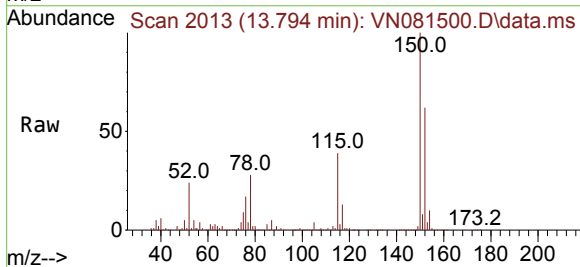
Tgt Ion:152 Resp: 375341

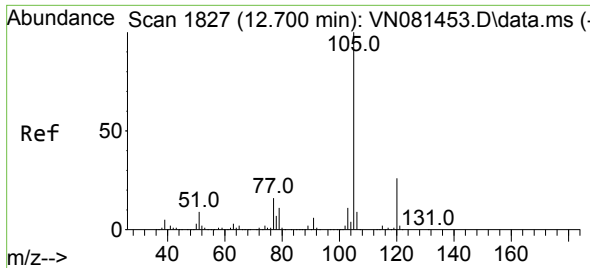
Ion Ratio Lower Upper

152 100

115 68.6 32.3 96.8

150 159.8 0.0 339.8

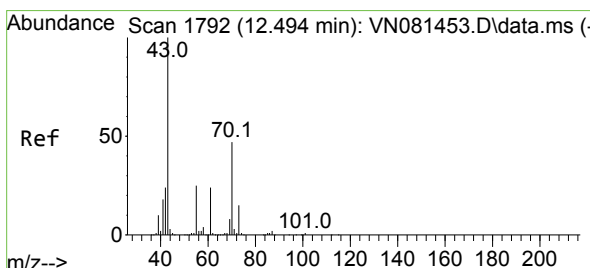
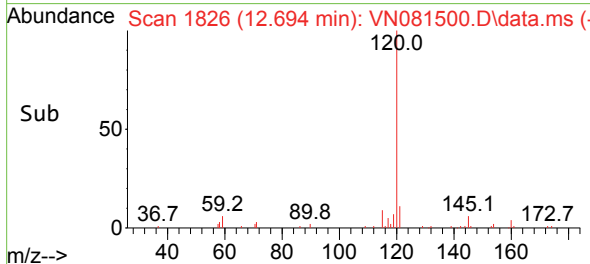
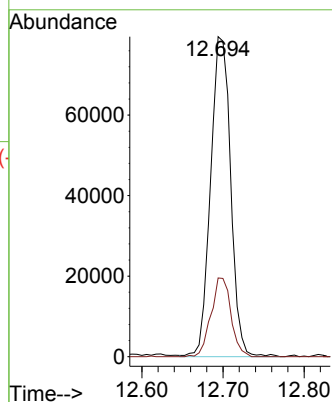
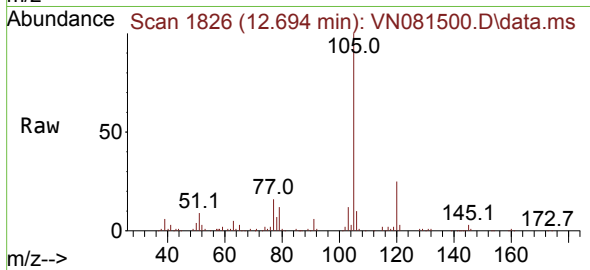




#73  
Isopropylbenzene  
Concen: 4.268 ug/l  
RT: 12.694 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

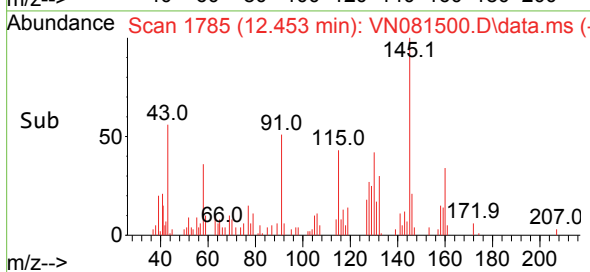
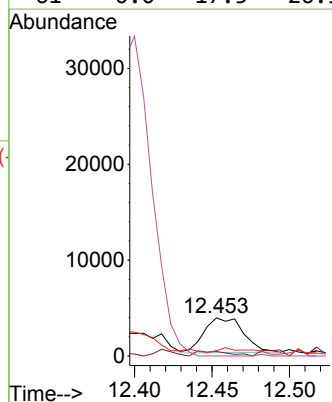
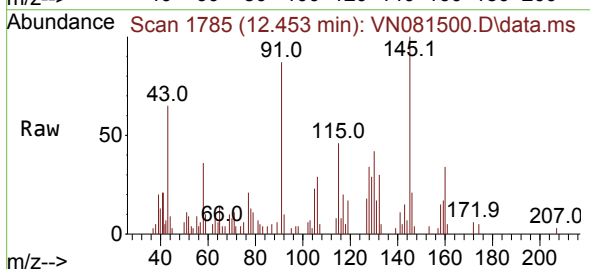
Instrument :  
MSVOA\_N  
ClientSampleId :

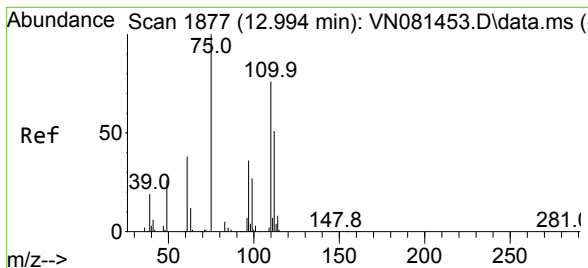
Tgt Ion:105 Resp: 136555  
Ion Ratio Lower Upper  
105 100  
120 24.5 12.6 37.6



#74  
N-ethyl acetate  
Concen: 0.552 ug/l  
RT: 12.453 min Scan# 1785  
Delta R.T. -0.041 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

Tgt Ion: 43 Resp: 6387  
Ion Ratio Lower Upper  
43 100  
70 11.6 30.1 45.1#  
55 15.6 17.0 25.4#  
61 0.0 17.5 26.3#





#76

1,2,3-Trichloropropane

Concen: 1.190 ug/l

RT: 13.100 min Scan# 1895

Delta R.T. 0.106 min

Lab File: VN081500.D

Acq: 20 Mar 2024 17:46

Instrument :

MSVOA\_N

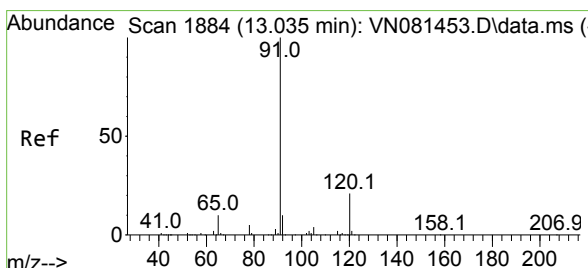
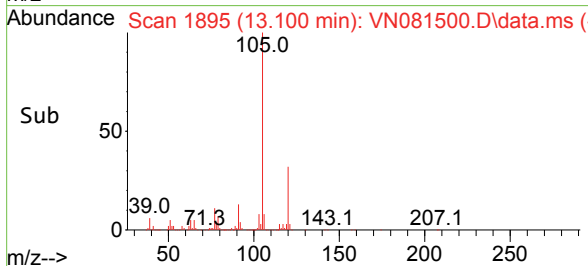
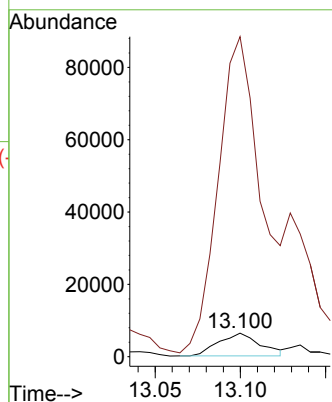
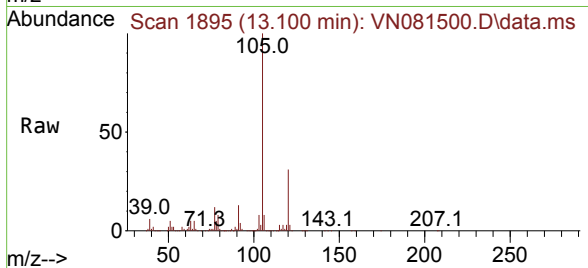
ClientSampleId :

Tgt Ion: 75 Resp: 10688

Ion Ratio Lower Upper

75 100

77 1432.9 91.0 272.8#



#78

n-propylbenzene

Concen: 8.130 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VN081500.D

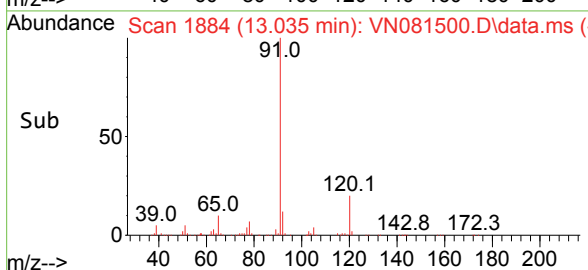
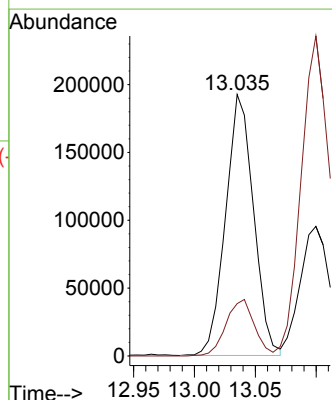
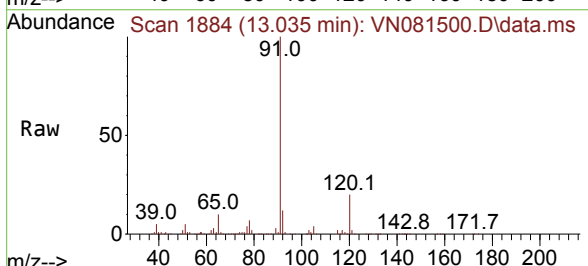
Acq: 20 Mar 2024 17:46

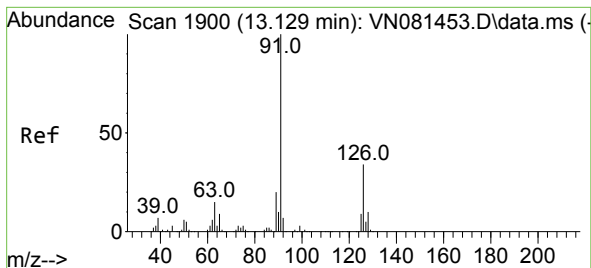
Tgt Ion: 91 Resp: 307169

Ion Ratio Lower Upper

91 100

120 22.0 10.3 30.9





#79

2-Chlorotoluene

Concen: 6.885 ug/l

RT: 13.100 min Scan# 1900

Delta R.T. -0.029 min

Lab File: VN081500.D

Acq: 20 Mar 2024 17:46

Instrument :

MSVOA\_N

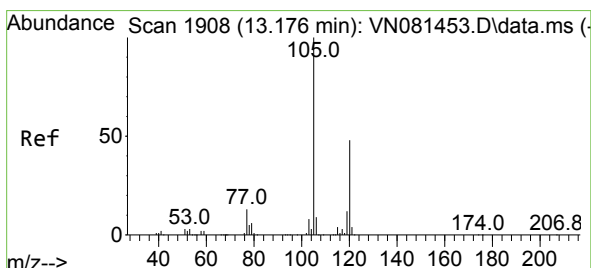
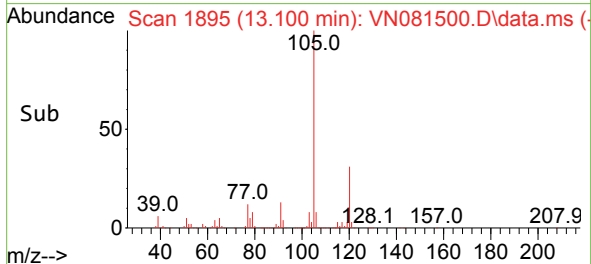
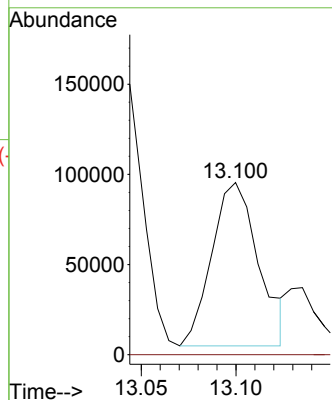
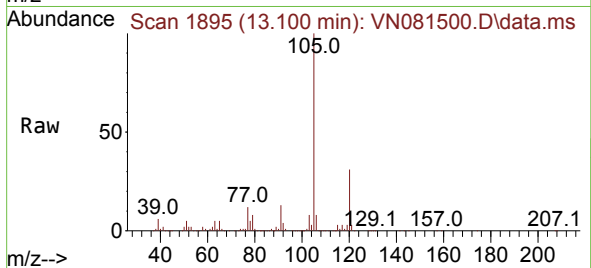
ClientSampleId :

Tgt Ion: 91 Resp: 155700

Ion Ratio Lower Upper

91 100

126 0.0 14.8 44.4#



#80

1,3,5-Trimethylbenzene

Concen: 16.286 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN081500.D

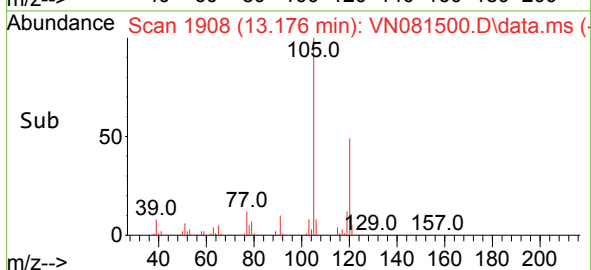
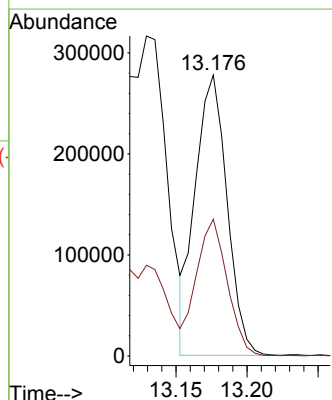
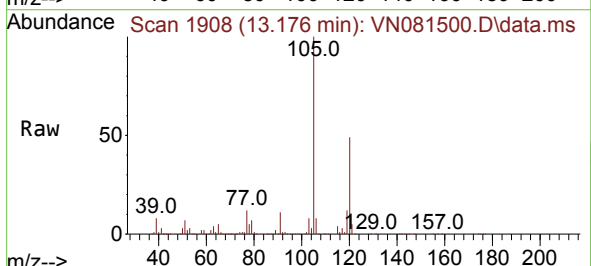
Acq: 20 Mar 2024 17:46

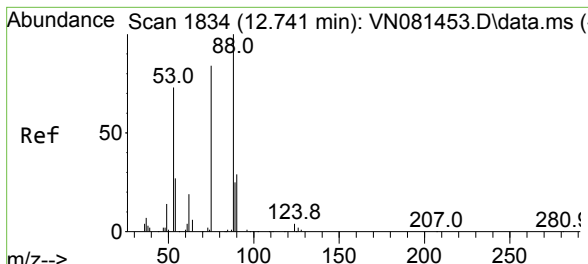
Tgt Ion: 105 Resp: 430369

Ion Ratio Lower Upper

105 100

120 47.6 23.0 69.0

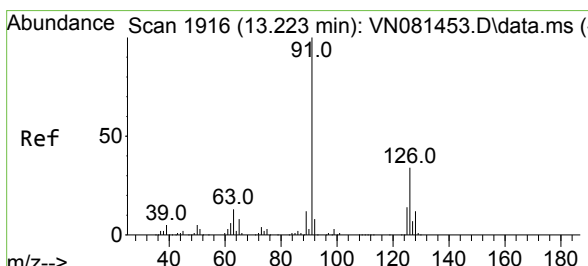
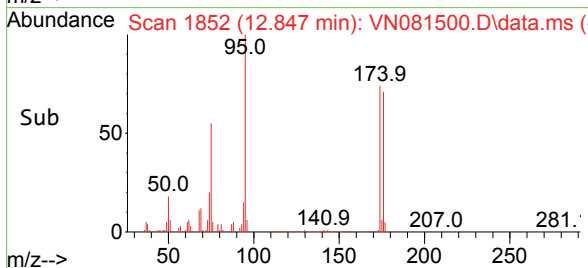
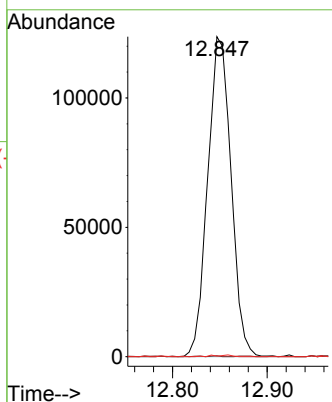
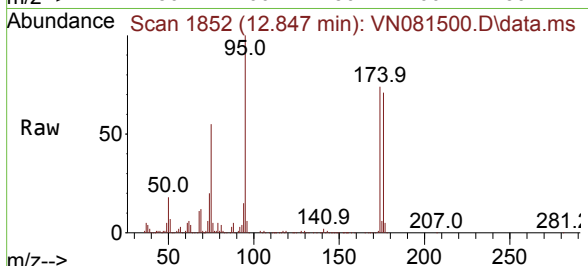




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 63.973 ug/l  
 RT: 12.847 min Scan# 11  
 Delta R.T. 0.106 min  
 Lab File: VN081500.D  
 Acq: 20 Mar 2024 17:46

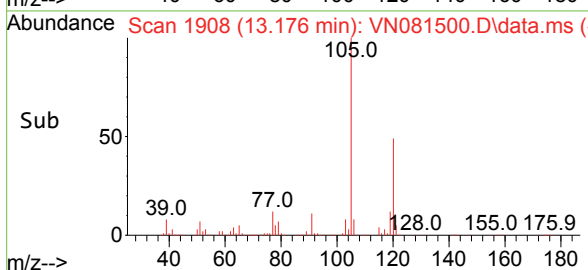
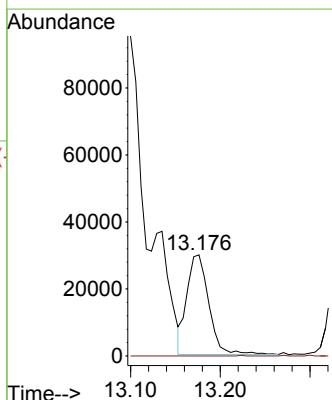
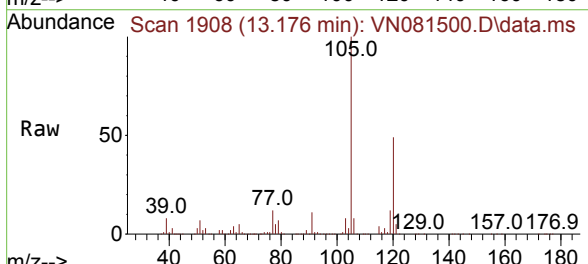
Instrument :  
 MSVOA\_N  
 ClientSampleId :

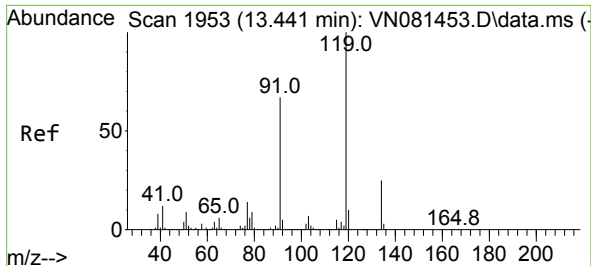
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 212548 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 53        | 0.1   | 71.4  | 107.2# |
| 89        | 0.4   | 33.4  | 50.0#  |



#82  
 4-Chlorotoluene  
 Concen: 2.264 ug/l  
 RT: 13.176 min Scan# 1908  
 Delta R.T. -0.047 min  
 Lab File: VN081500.D  
 Acq: 20 Mar 2024 17:46

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 91    | Resp: | 50467 |
| Ion Ratio | Lower | Upper |       |
| 91        | 100   |       |       |
| 126       | 0.0   | 15.3  | 45.9# |

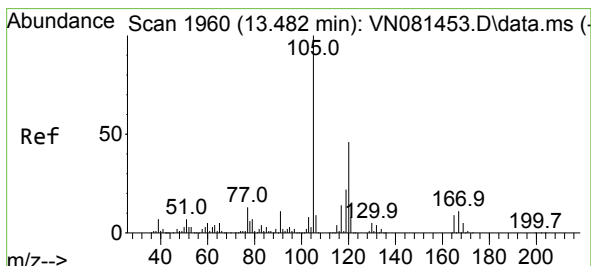
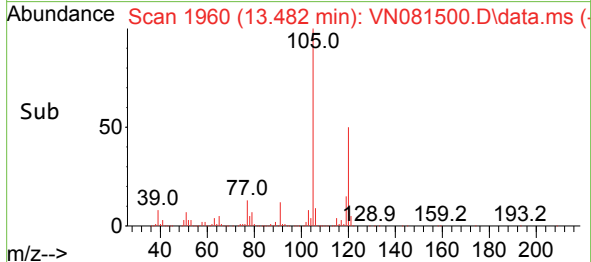
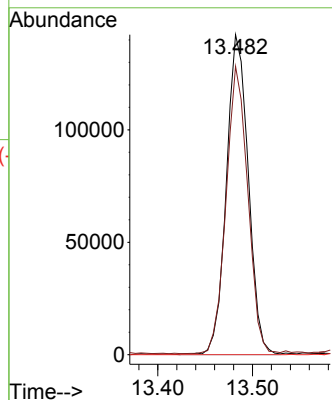
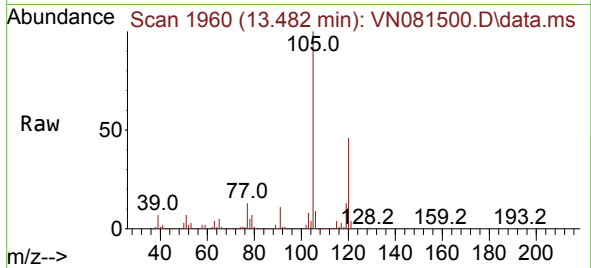




#83  
 tert-Butylbenzene  
 Concen: 10.044 ug/l  
 RT: 13.482 min Scan# 1953  
 Delta R.T. 0.041 min  
 Lab File: VN081500.D  
 Acq: 20 Mar 2024 17:46

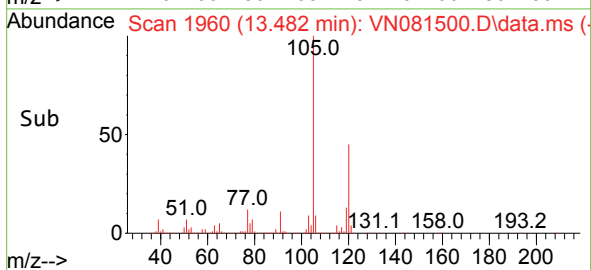
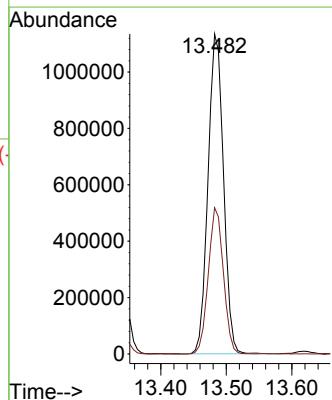
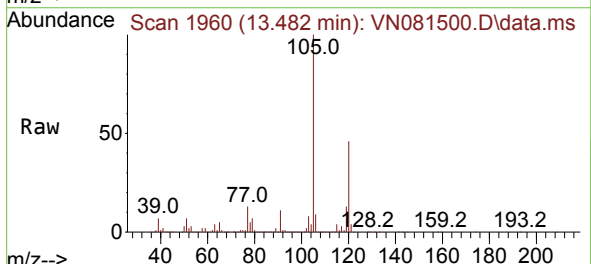
Instrument :  
 MSVOA\_N  
 ClientSampleId :

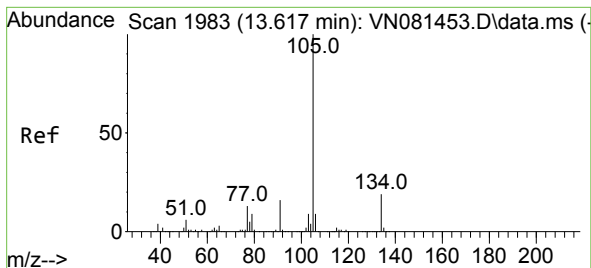
Tgt Ion:119 Resp: 228876  
 Ion Ratio Lower Upper  
 119 100  
 91 88.8 36.8 110.4  
 134 0.0 12.4 37.4#



#84  
 1,2,4-Trimethylbenzene  
 Concen: 70.177 ug/l  
 RT: 13.482 min Scan# 1960  
 Delta R.T. 0.000 min  
 Lab File: VN081500.D  
 Acq: 20 Mar 2024 17:46

Tgt Ion:105 Resp: 1863896  
 Ion Ratio Lower Upper  
 105 100  
 120 44.7 20.9 62.7





#85

sec-Butylbenzene

Concen: 57.216 ug/l

RT: 13.482 min Scan# 1983

Delta R.T. -0.135 min

Lab File: VN081500.D

Acq: 20 Mar 2024 17:46

Instrument :

MSVOA\_N

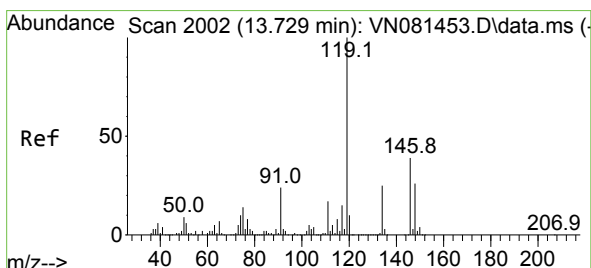
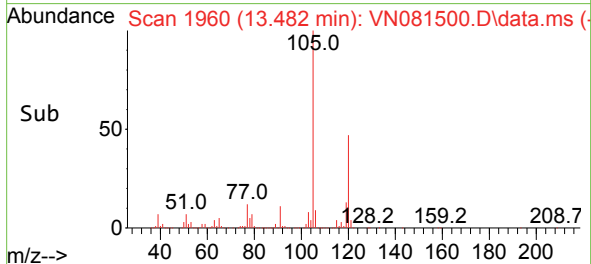
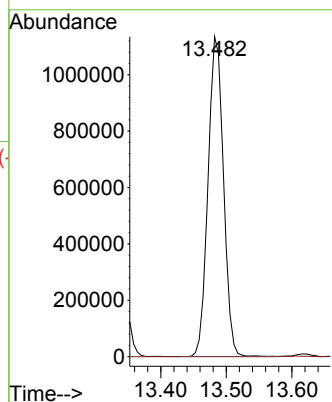
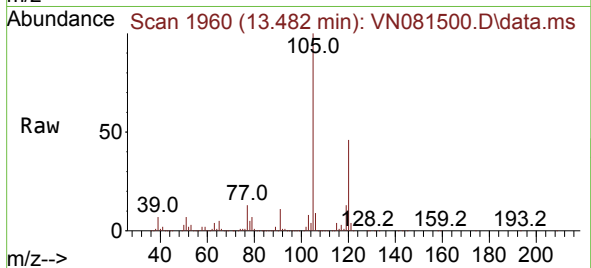
ClientSampleId :

Tgt Ion:105 Resp: 1863896

Ion Ratio Lower Upper

105 100

134 0.0 8.6 25.8#



#86

p-Isopropyltoluene

Concen: 1.155 ug/l

RT: 13.676 min Scan# 1993

Delta R.T. -0.053 min

Lab File: VN081500.D

Acq: 20 Mar 2024 17:46

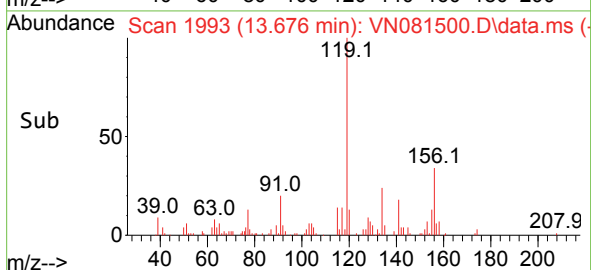
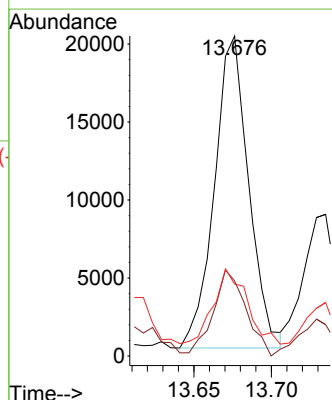
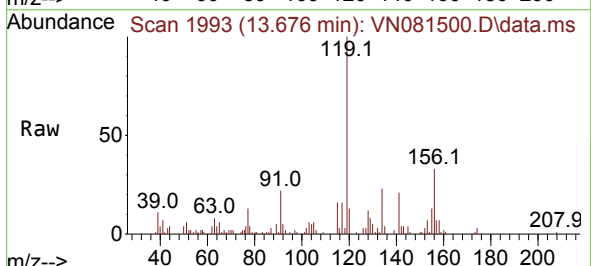
Tgt Ion:119 Resp: 30770

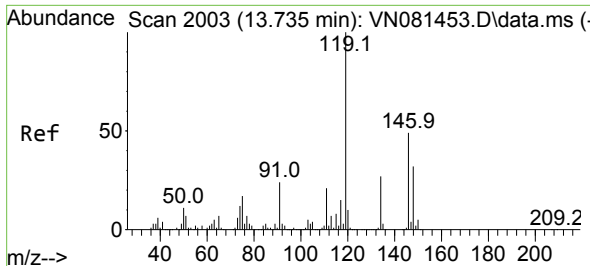
Ion Ratio Lower Upper

119 100

134 26.4 12.4 37.2

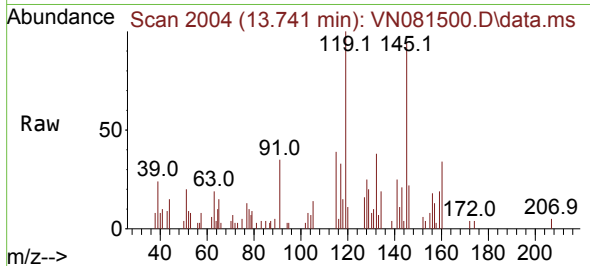
91 23.4 13.5 40.4



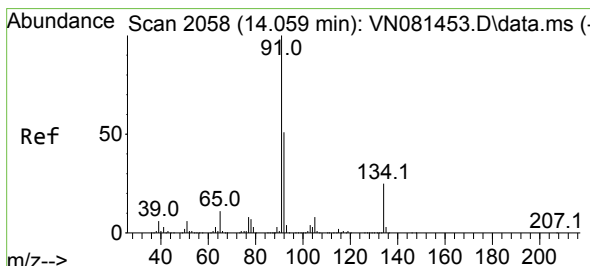
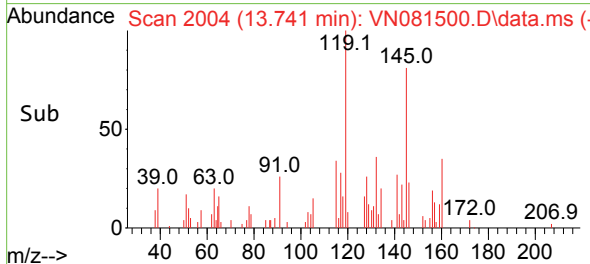
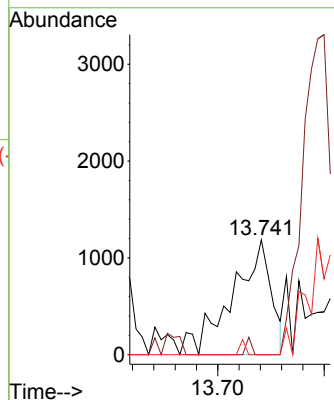


#87  
1,3-Dichlorobenzene  
Concen: 0.209 ug/l  
RT: 13.741 min Scan# 2004  
Delta R.T. 0.006 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

Instrument :  
MSVOA\_N  
ClientSampleId :

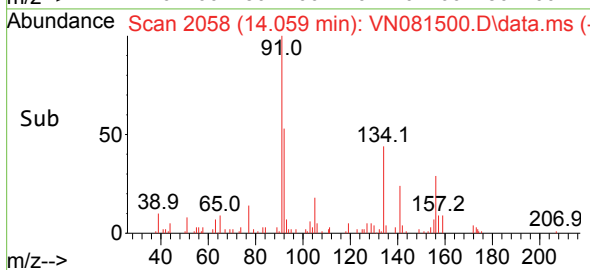
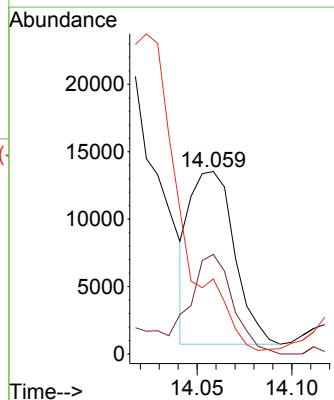
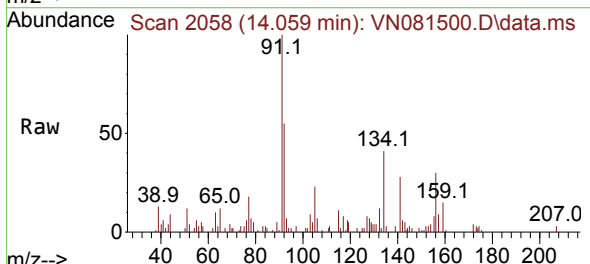


Tgt Ion:146 Resp: 3030  
Ion Ratio Lower Upper  
146 100  
111 0.0 23.9 71.7#  
148 0.0 32.6 97.7#

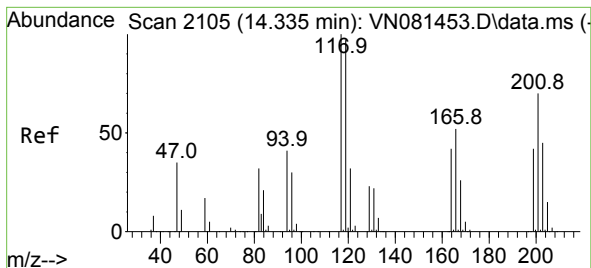


#89  
n-Butylbenzene  
Concen: 0.883 ug/l  
RT: 14.059 min Scan# 2058  
Delta R.T. 0.000 min  
Lab File: VN081500.D  
Acq: 20 Mar 2024 17:46

Tgt Ion: 91 Resp: 20845  
Ion Ratio Lower Upper  
91 100  
92 55.2 26.7 80.1  
134 0.0 10.8 32.4#







#90

Hexachloroethane

Concen: 2.595 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. 0.000 min

Lab File: VN081500.D

Acq: 20 Mar 2024 17:46

Instrument :

MSVOA\_N

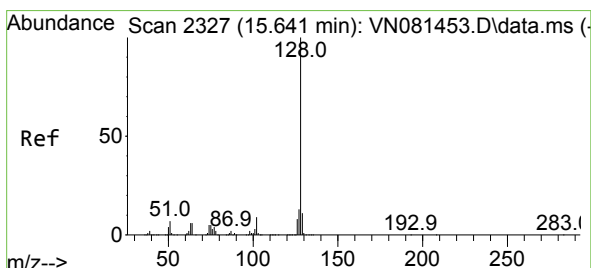
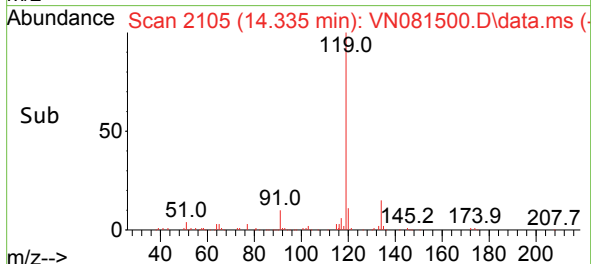
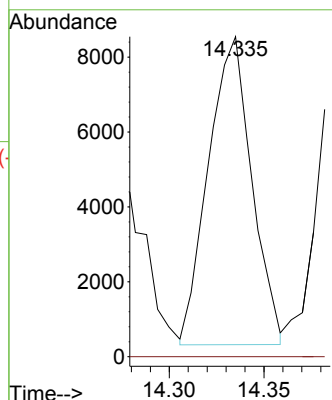
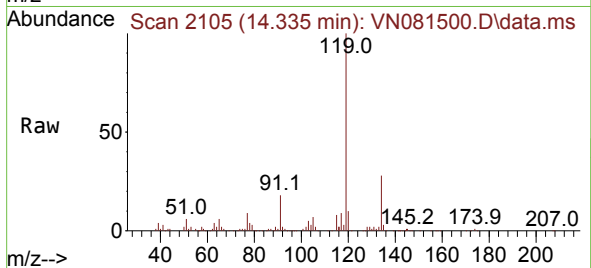
ClientSampleId :

Tgt Ion:117 Resp: 13087

Ion Ratio Lower Upper

117 100

201 0.0 30.0 90.0#



#95

Naphthalene

Concen: 13.684 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN081500.D

Acq: 20 Mar 2024 17:46

Tgt Ion:128 Resp: 358322

Ion Ratio Lower Upper

128 100

127 13.2 10.0 15.0

129 11.4 8.7 13.1

