

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN012423\  
 Data File : VN076373.D  
 Acq On : 24 Jan 2023 11:04  
 Operator : JC\MD  
 Sample : VN0124WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0124WBL01

Quant Time: Jan 25 00:34:14 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011623W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 03:59:22 2023  
 Response via : Initial Calibration

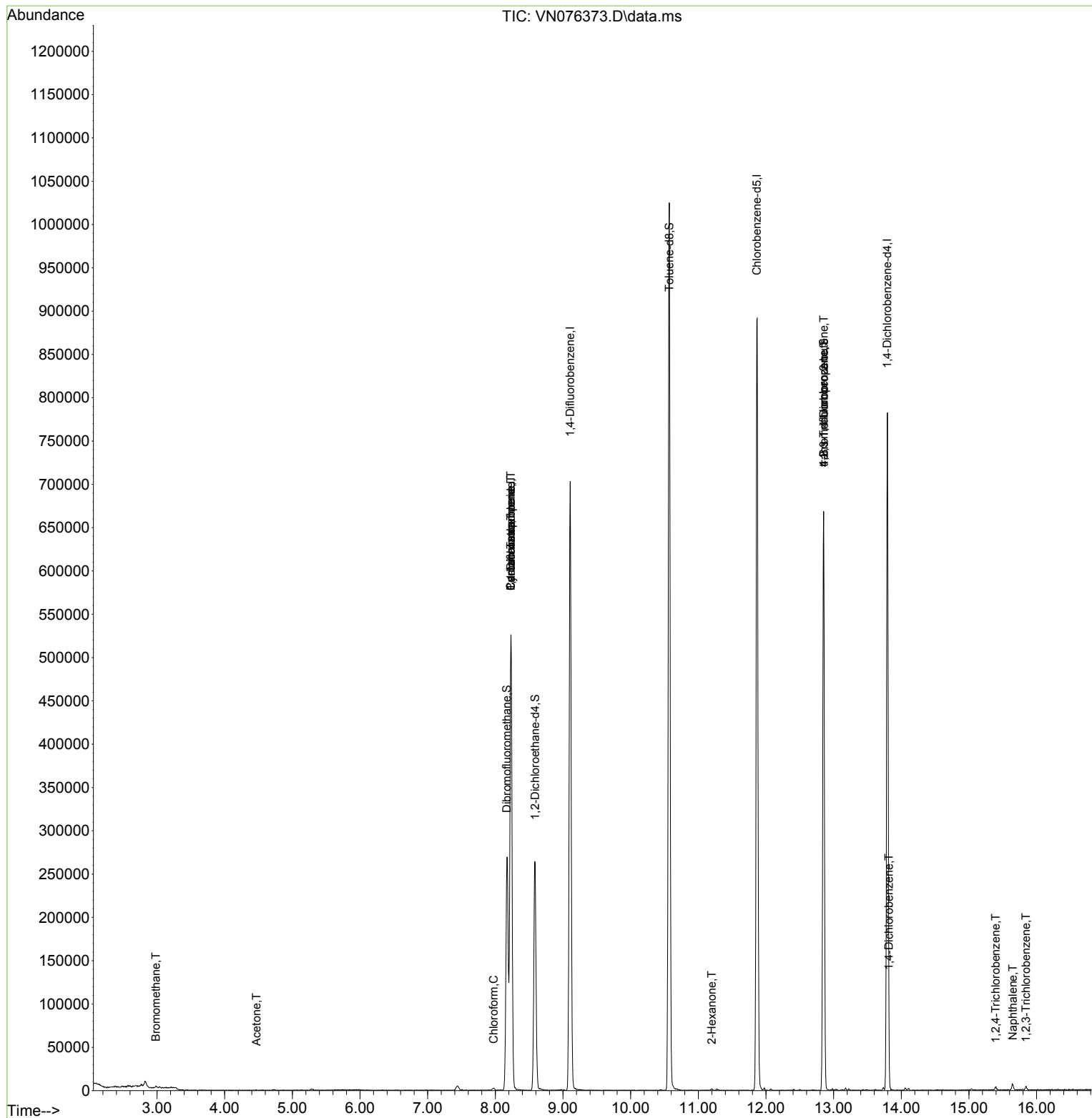
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.230  | 168   | 401881   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106  | 114   | 630369   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.865 | 117   | 542846   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794 | 152   | 215422   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.588  | 65    | 219233   | 48.721    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 97.440%  |
| 35) Dibromofluoromethane      | 8.171  | 113   | 194000   | 49.198    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 98.400%  |
| 50) Toluene-d8                | 10.571 | 98    | 731631   | 50.240    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 100.480% |
| 62) 4-Bromofluorobenzene      | 12.853 | 95    | 222358   | 46.772    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 93.540%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 2.983  | 94    | 1167     | 0.273     | ug/l   | 96       |
| 16) Acetone                   | 4.471  | 43    | 452      | 0.240     | ug/l # | 41       |
| 20) Methylene Chloride        | 5.283  | 84    | 1049     | Below Cal | #      | 60       |
| 30) Chloroform                | 7.977  | 83    | 2709     | 0.347     | ug/l # | 81       |
| 31) Cyclohexane               | 8.230  | 56    | 8376     | 1.212     | ug/l # | 21       |
| 36) 1,1-Dichloropropene       | 8.230  | 75    | 29732    | 5.306     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 8.230  | 117   | 41137    | 6.584     | ug/l # | 17       |
| 59) 2-Hexanone                | 11.200 | 43    | 1252     | 0.403     | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75    | 119283   | 30.016    | ug/l # | 1        |
| 77) Bromobenzene              | 12.988 | 156   | 199      | Below Cal | #      | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75    | 119283   | 92.129    | ug/l # | 11       |
| 88) 1,4-Dichlorobenzene       | 13.817 | 146   | 1908     | 0.356     | ug/l # | 51       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180   | 1486     | 1.688     | ug/l   | 81       |
| 95) Naphthalene               | 15.647 | 128   | 7347     | 2.471     | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180   | 1878     | 1.663     | ug/l   | 98       |
| -----                         |        |       |          |           |        |          |

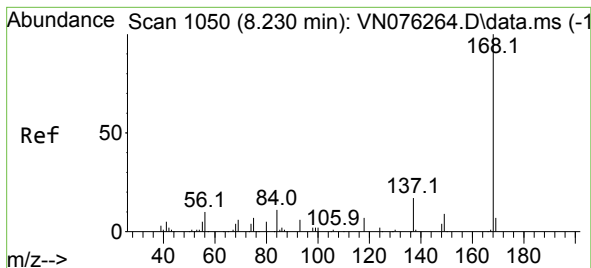
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN012423\  
Data File : VN076373.D  
Acq On : 24 Jan 2023 11:04  
Operator : JC\MD  
Sample : VN0124WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0124WBL01

Quant Time: Jan 25 00:34:14 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011623W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 17 03:59:22 2023  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076373.D

Acq: 24 Jan 2023 11:04

Instrument :

MSVOA\_N

ClientSampleId :

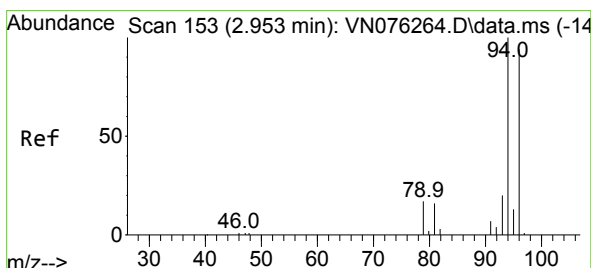
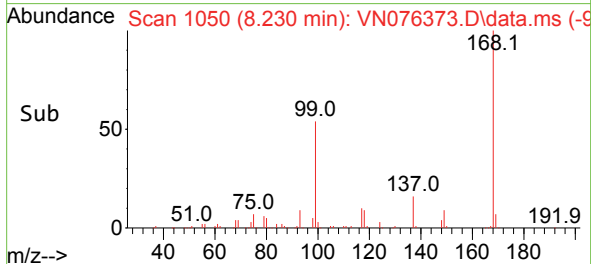
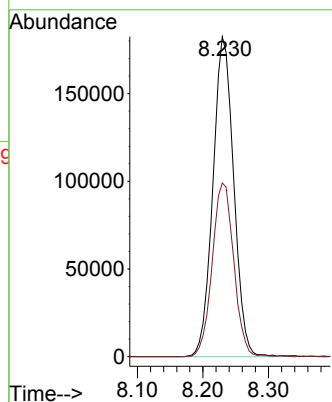
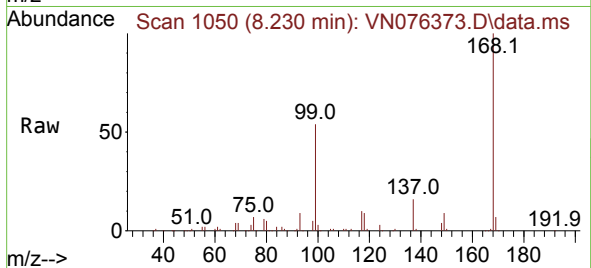
VN0124WBL01

Tgt Ion:168 Resp: 401881

Ion Ratio Lower Upper

168 100

99 54.3 41.6 62.4



#5

Bromomethane

Concen: 0.273 ug/l

RT: 2.983 min Scan# 158

Delta R.T. 0.030 min

Lab File: VN076373.D

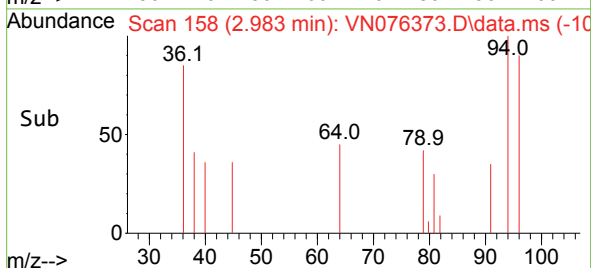
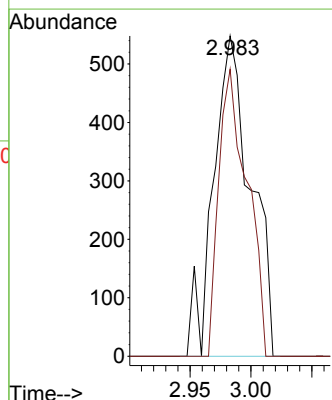
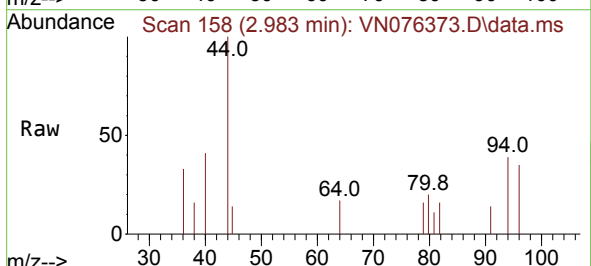
Acq: 24 Jan 2023 11:04

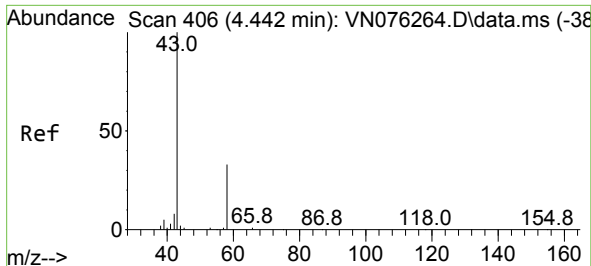
Tgt Ion: 94 Resp: 1167

Ion Ratio Lower Upper

94 100

96 89.6 75.1 112.7





#16

Acetone

Concen: 0.240 ug/l

RT: 4.471 min Scan# 411

Delta R.T. 0.029 min

Lab File: VN076373.D

Acq: 24 Jan 2023 11:04

Instrument :

MSVOA\_N

ClientSampleId :

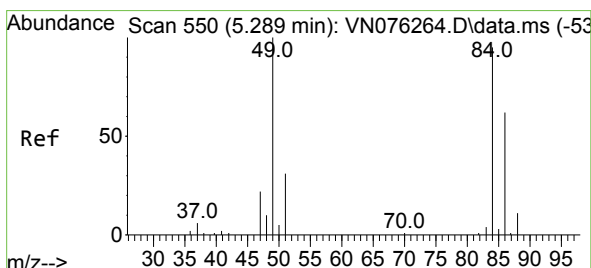
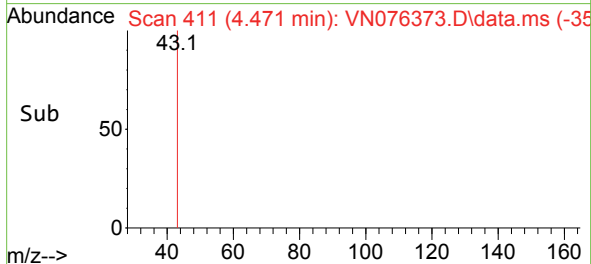
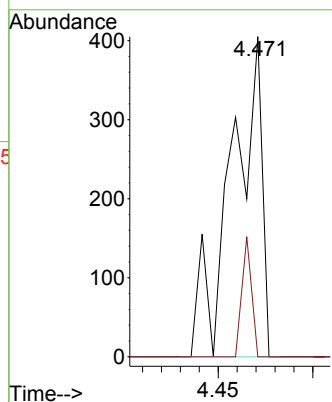
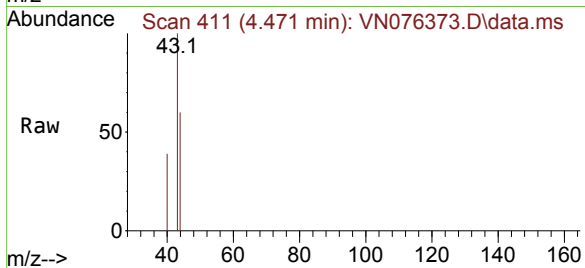
VN0124WBL01

Tgt Ion: 43 Resp: 452

Ion Ratio Lower Upper

43 100

58 0.0 26.7 40.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.283 min Scan# 549

Delta R.T. -0.006 min

Lab File: VN076373.D

Acq: 24 Jan 2023 11:04

Tgt Ion: 84 Resp: 1049

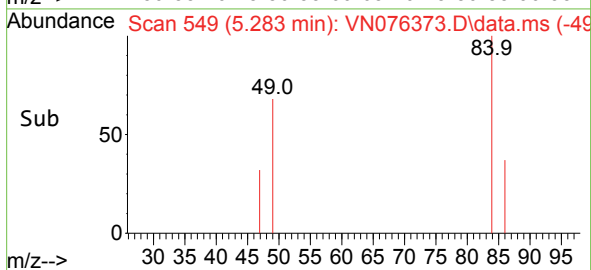
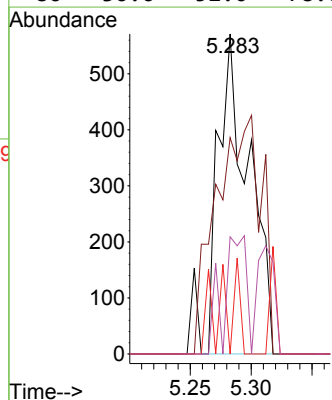
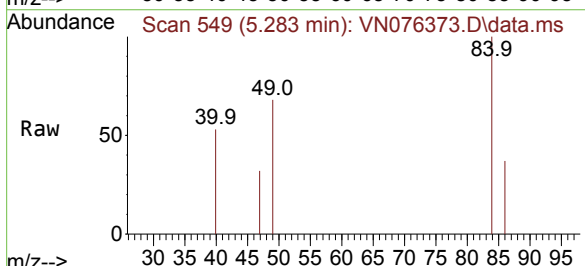
Ion Ratio Lower Upper

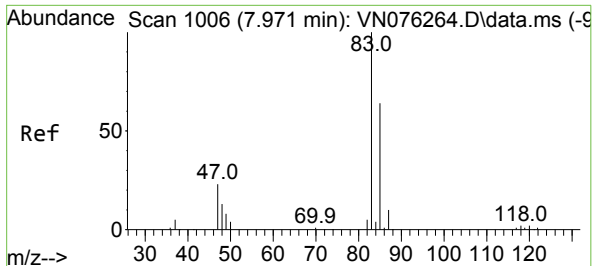
84 100

49 67.6 84.5 126.7#

51 0.0 26.0 39.0#

86 36.6 52.0 78.0#

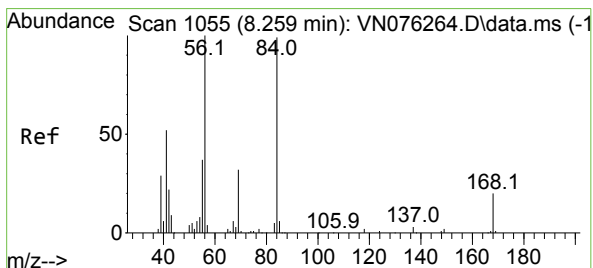
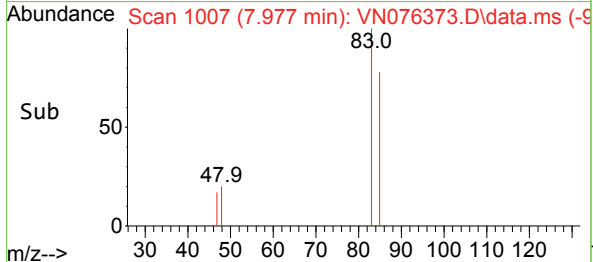
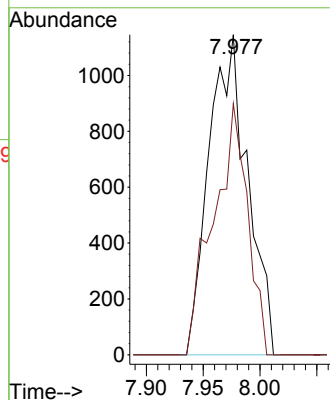
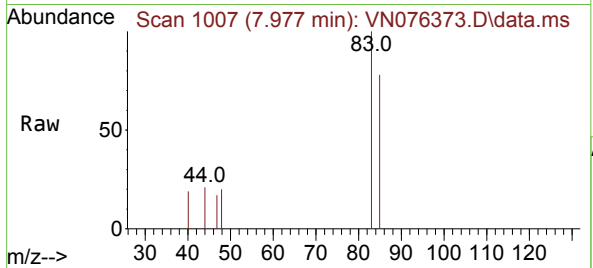




#30  
Chloroform  
Concen: 0.347 ug/l  
RT: 7.977 min Scan# 1006  
Delta R.T. 0.006 min  
Lab File: VN076373.D  
Acq: 24 Jan 2023 11:04

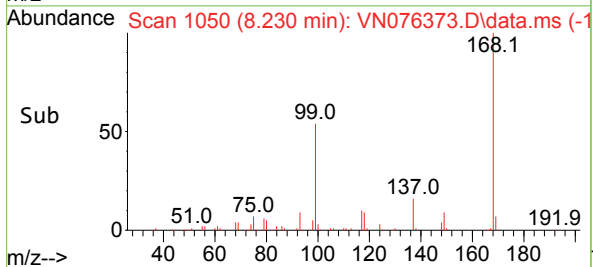
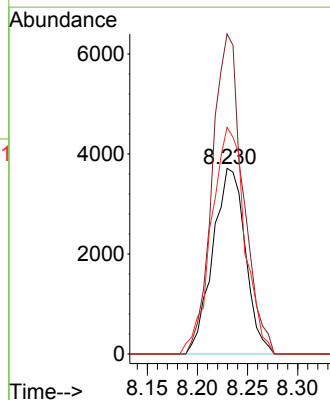
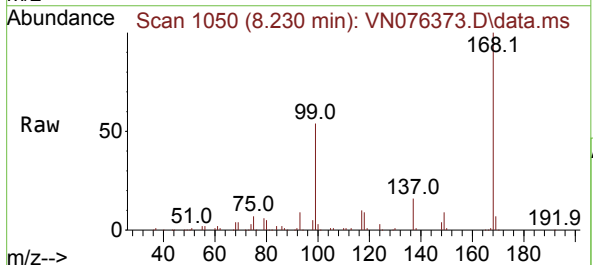
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0124WBL01

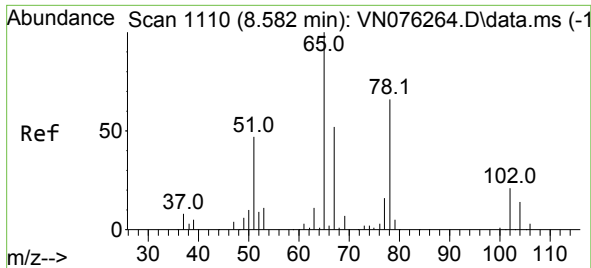
Tgt Ion: 83 Resp: 2709  
Ion Ratio Lower Upper  
83 100  
85 78.4 51.0 76.6#



#31  
Cyclohexane  
Concen: 1.212 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.029 min  
Lab File: VN076373.D  
Acq: 24 Jan 2023 11:04

Tgt Ion: 56 Resp: 8376  
Ion Ratio Lower Upper  
56 100  
69 172.5 25.8 38.8#  
84 122.1 79.0 118.4#

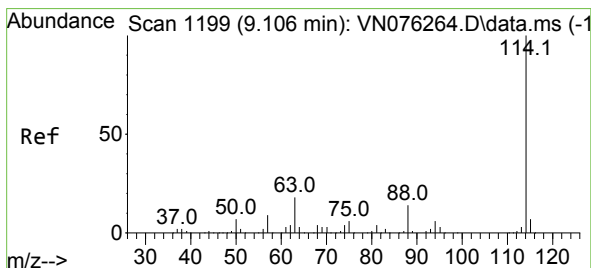
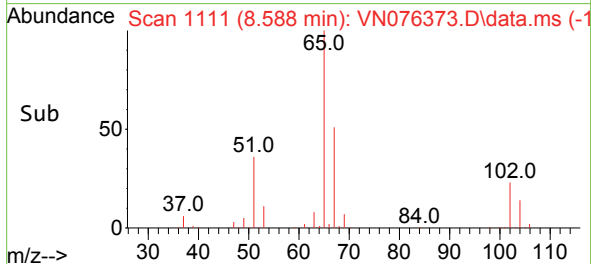
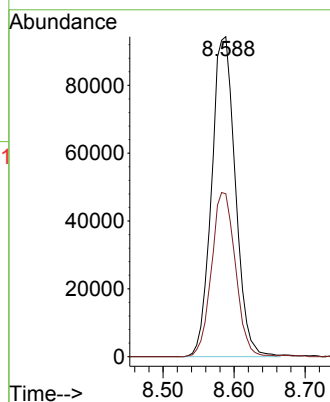
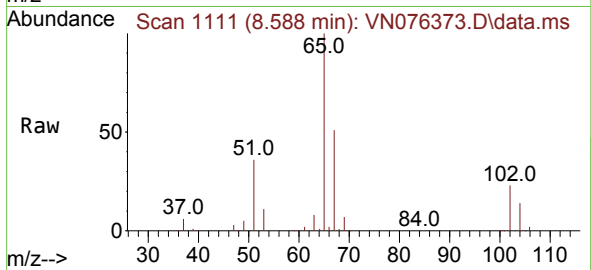




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.721 ug/l  
 RT: 8.588 min Scan# 1111  
 Delta R.T. 0.006 min  
 Lab File: VN076373.D  
 Acq: 24 Jan 2023 11:04

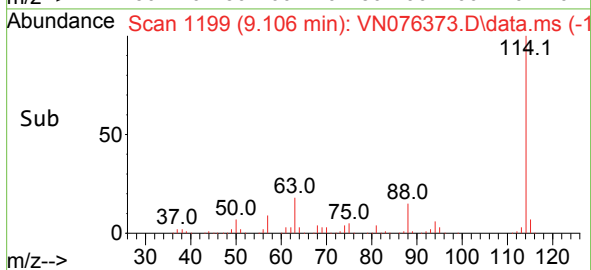
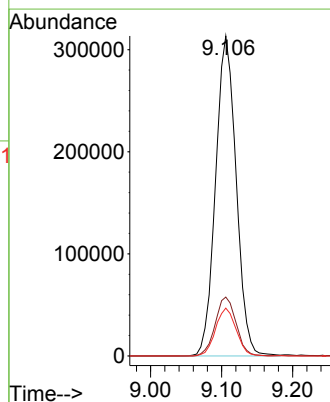
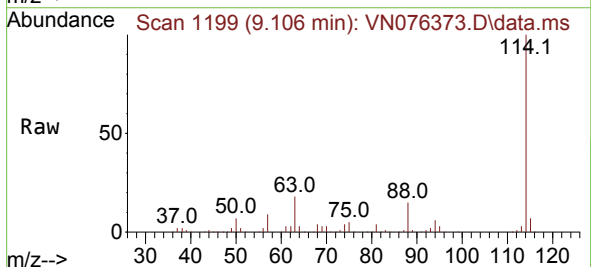
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0124WBL01

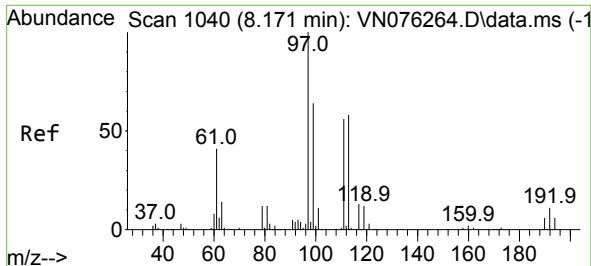
Tgt Ion: 65 Resp: 219233  
 Ion Ratio Lower Upper  
 65 100  
 67 51.6 0.0 104.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.106 min Scan# 1199  
 Delta R.T. -0.000 min  
 Lab File: VN076373.D  
 Acq: 24 Jan 2023 11:04

Tgt Ion: 114 Resp: 630369  
 Ion Ratio Lower Upper  
 114 100  
 63 18.4 0.0 35.8  
 88 15.0 0.0 28.0





#35

Dibromofluoromethane

Concen: 49.198 ug/l

RT: 8.171 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076373.D

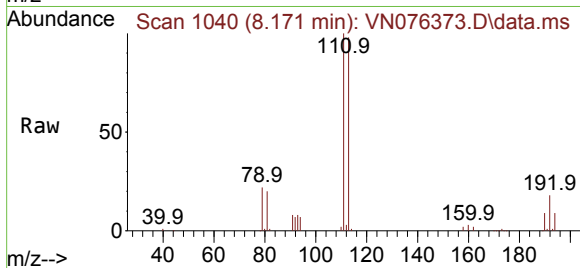
Acq: 24 Jan 2023 11:04

Instrument :

MSVOA\_N

ClientSampleId :

VN0124WBL01



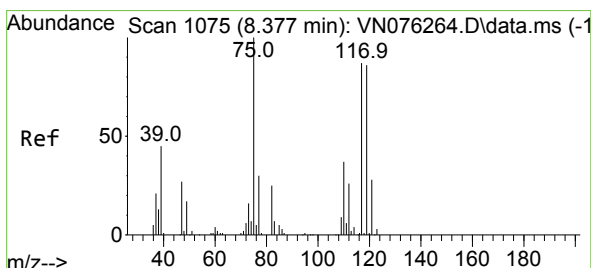
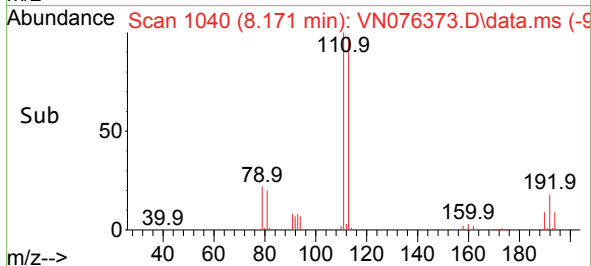
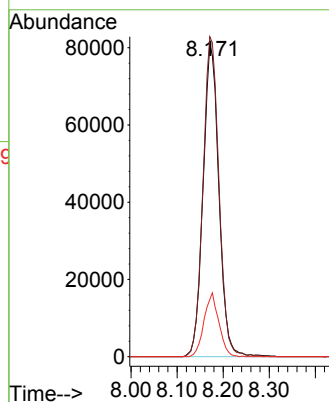
Tgt Ion:113 Resp: 194000

Ion Ratio Lower Upper

113 100

111 103.3 82.7 124.1

192 19.1 15.6 23.4



#36

1,1-Dichloropropene

Concen: 5.306 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076373.D

Acq: 24 Jan 2023 11:04

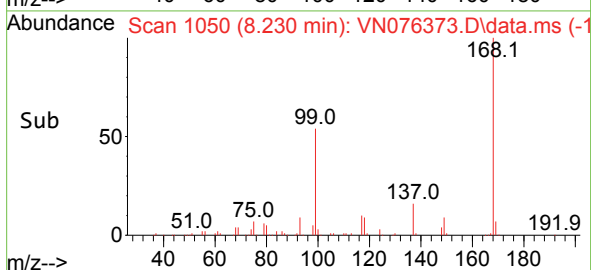
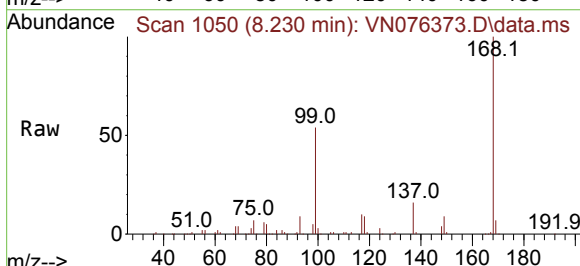
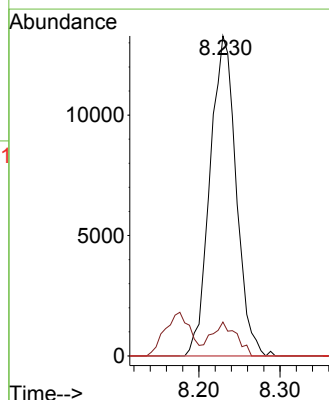
Tgt Ion: 75 Resp: 29732

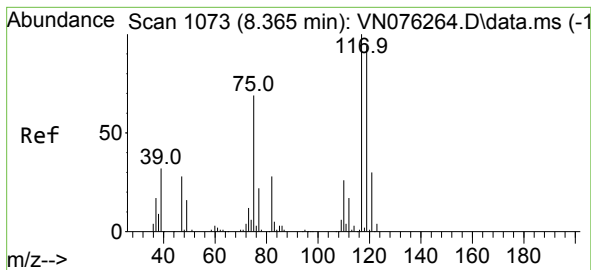
Ion Ratio Lower Upper

75 100

110 10.2 18.8 56.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.584 ug/l

RT: 8.230 min Scan# 1073

Delta R.T. -0.135 min

Lab File: VN076373.D

Acq: 24 Jan 2023 11:04

Instrument :

MSVOA\_N

ClientSampleId :

VN0124WBL01

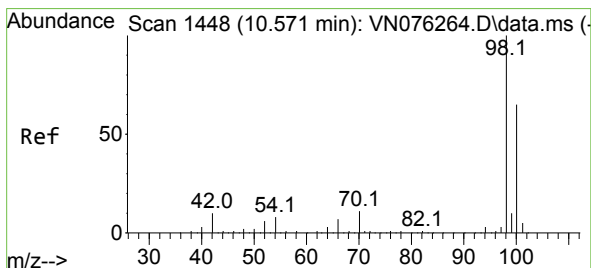
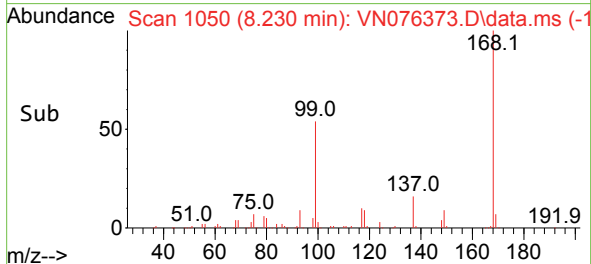
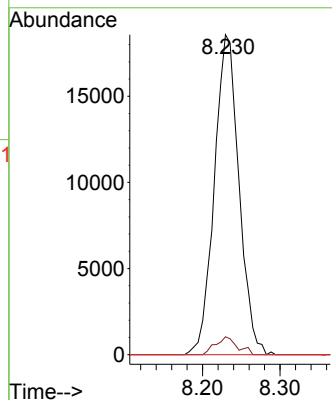
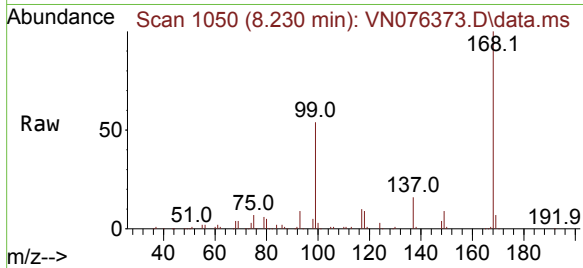
Tgt Ion:117 Resp: 41137

Ion Ratio Lower Upper

117 100

119 5.6 75.4 113.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 50.240 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076373.D

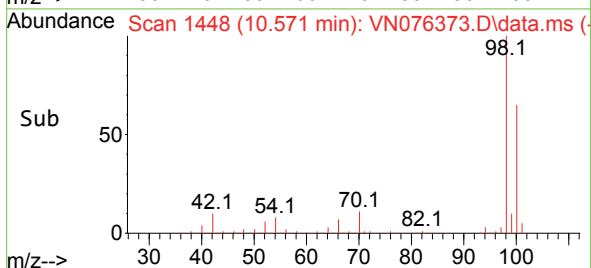
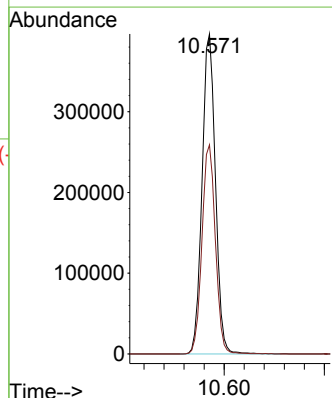
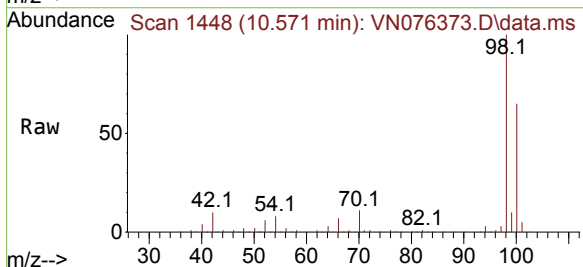
Acq: 24 Jan 2023 11:04

Tgt Ion: 98 Resp: 731631

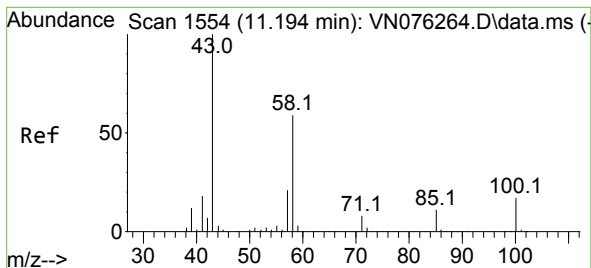
Ion Ratio Lower Upper

98 100

100 65.8 52.2 78.4



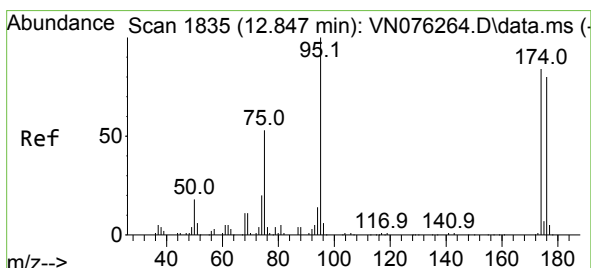
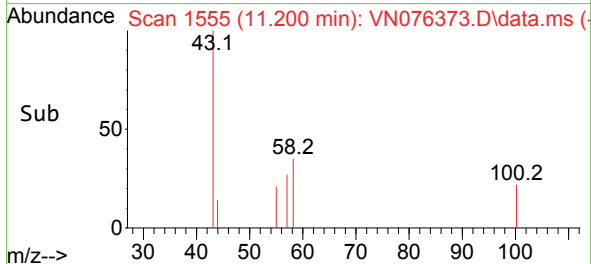
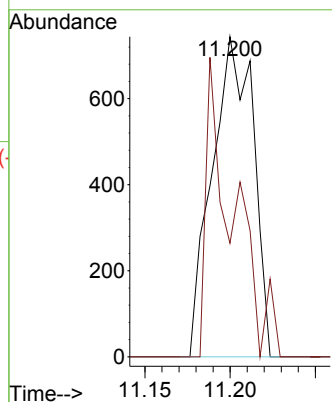
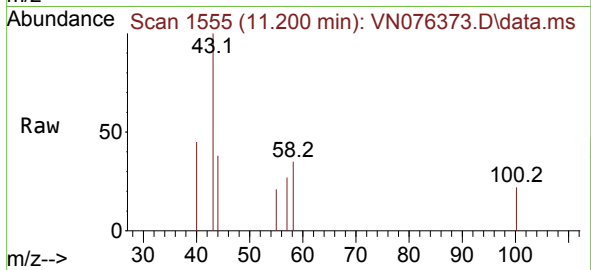




#59  
2-Hexanone  
Concen: 0.403 ug/l  
RT: 11.200 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN076373.D  
Acq: 24 Jan 2023 11:04

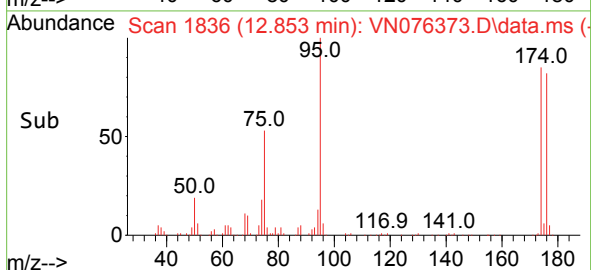
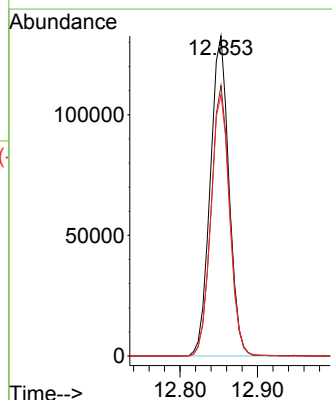
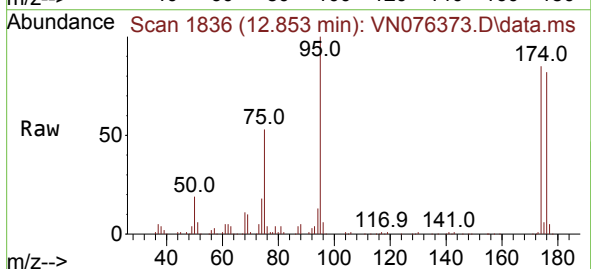
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0124WBL01

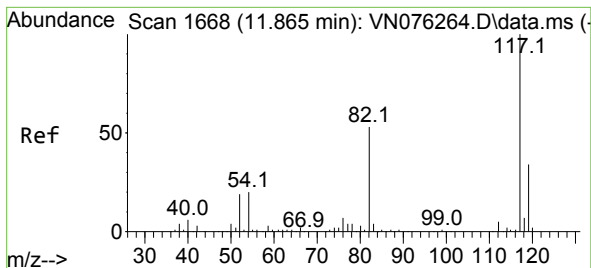
Tgt Ion: 43 Resp: 1252  
Ion Ratio Lower Upper  
43 100  
58 62.0 30.1 90.3



#62  
4-Bromofluorobenzene  
Concen: 46.772 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.006 min  
Lab File: VN076373.D  
Acq: 24 Jan 2023 11:04

Tgt Ion: 95 Resp: 222358  
Ion Ratio Lower Upper  
95 100  
174 83.8 0.0 174.6  
176 81.8 0.0 167.8

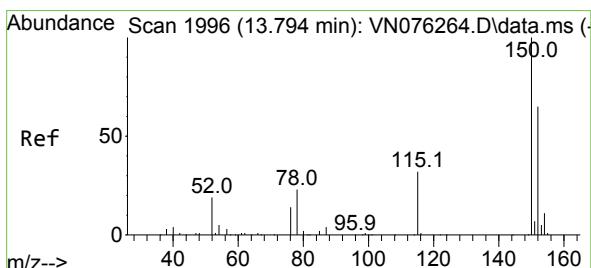
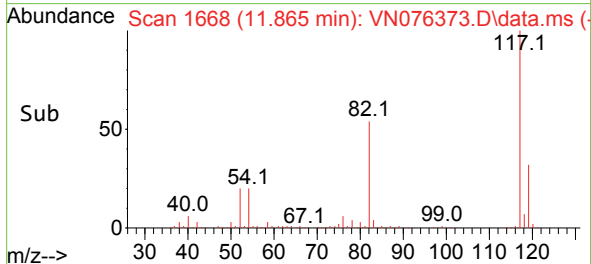
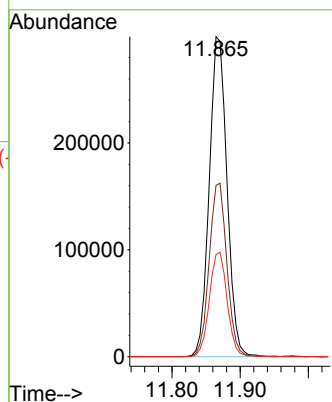
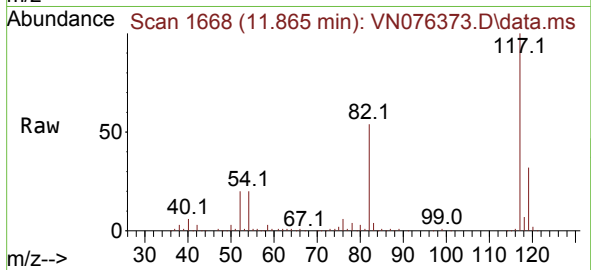




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN076373.D  
Acq: 24 Jan 2023 11:04

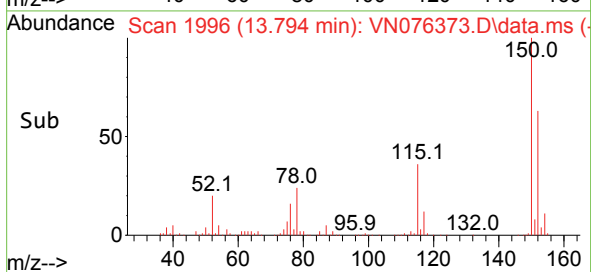
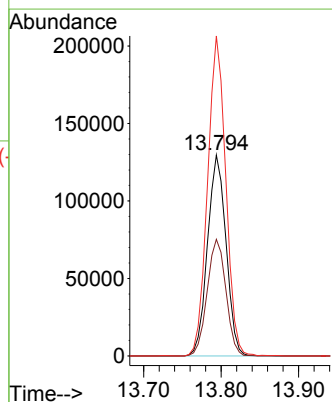
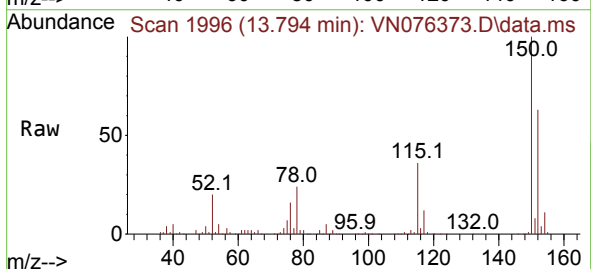
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0124WBL01

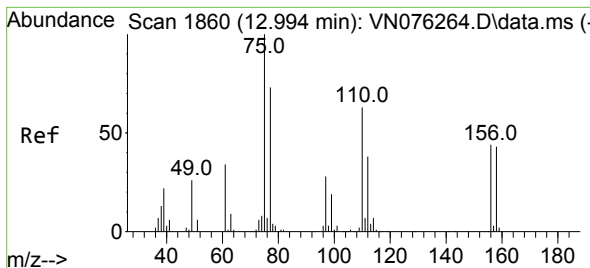
Tgt Ion:117 Resp: 542846  
Ion Ratio Lower Upper  
117 100  
82 53.6 42.2 63.2  
119 31.9 26.9 40.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. -0.000 min  
Lab File: VN076373.D  
Acq: 24 Jan 2023 11:04

Tgt Ion:152 Resp: 215422  
Ion Ratio Lower Upper  
152 100  
115 58.6 29.6 88.9  
150 156.3 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 30.016 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076373.D

Acq: 24 Jan 2023 11:04

Instrument :

MSVOA\_N

ClientSampleId :

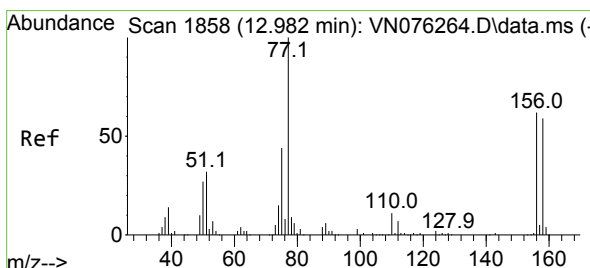
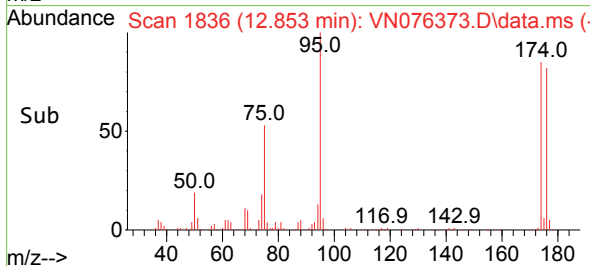
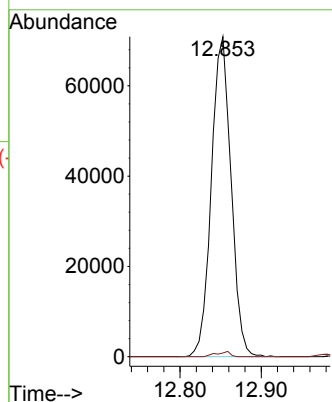
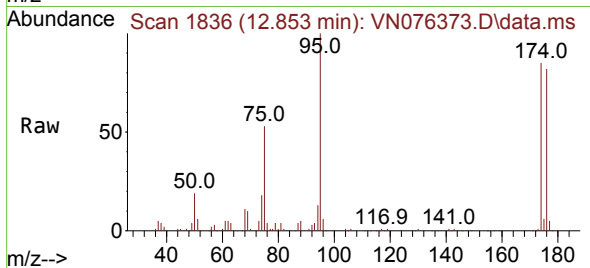
VN0124WBL01

Tgt Ion: 75 Resp: 119283

Ion Ratio Lower Upper

75 100

77 1.2 75.2 225.6#



#77

Bromobenzene

Concen: Below Cal

RT: 12.988 min Scan# 1859

Delta R.T. 0.006 min

Lab File: VN076373.D

Acq: 24 Jan 2023 11:04

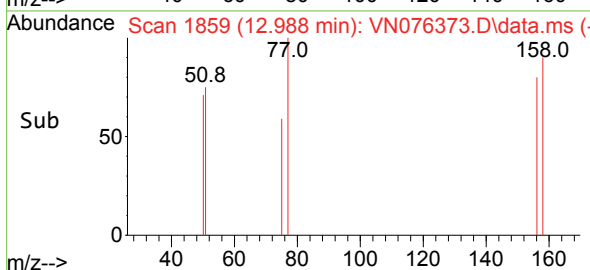
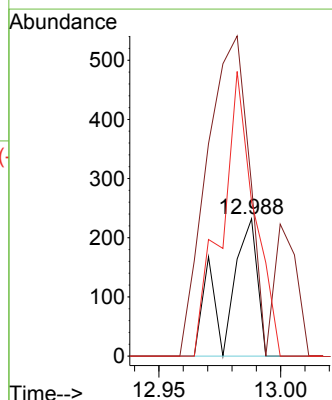
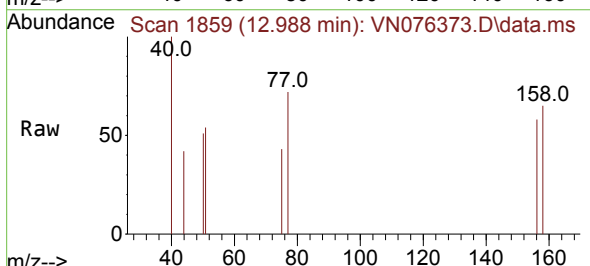
Tgt Ion:156 Resp: 199

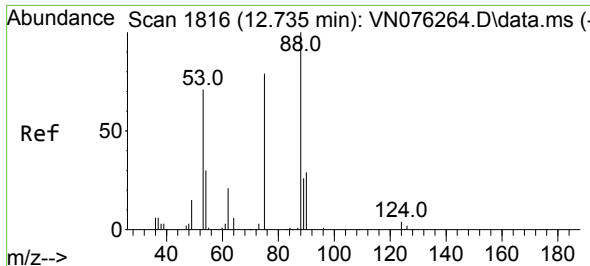
Ion Ratio Lower Upper

156 100

77 327.1 93.4 280.2#

158 226.6 48.4 145.2#

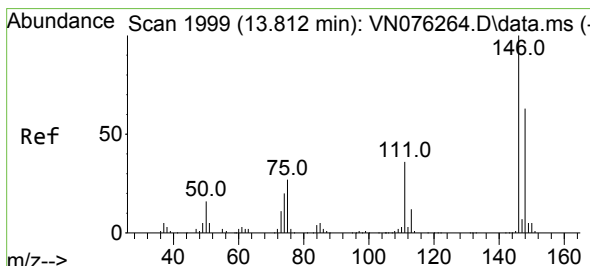
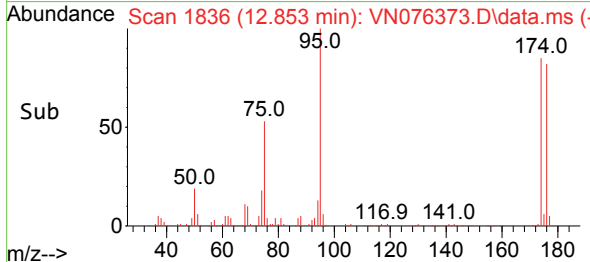
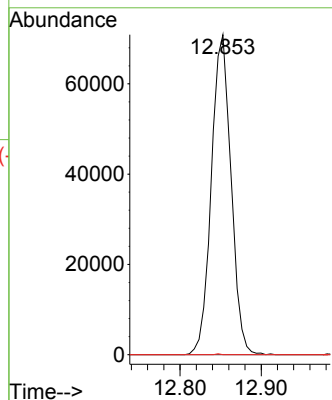
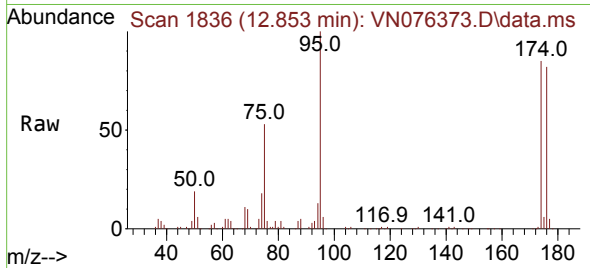




#81  
trans-1,4-Dichloro-2-butene  
Concen: 92.129 ug/l  
RT: 12.853 min Scan# 11  
Delta R.T. 0.118 min  
Lab File: VN076373.D  
Acq: 24 Jan 2023 11:04

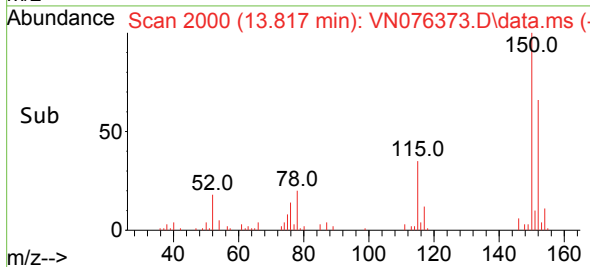
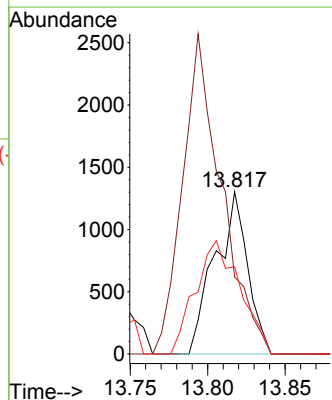
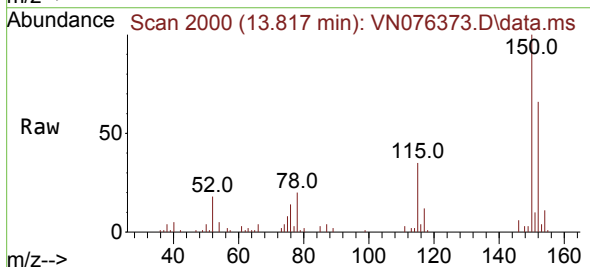
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0124WBL01

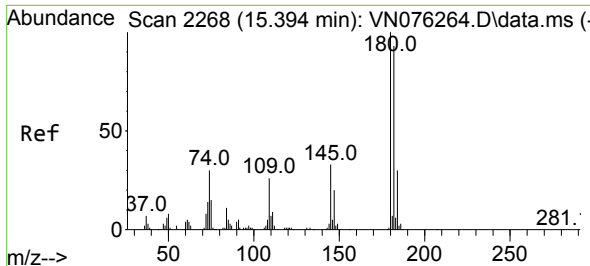
Tgt Ion: 75 Resp: 119283  
Ion Ratio Lower Upper  
75 100  
53 0.0 75.8 113.8#  
89 0.1 37.0 55.6#



#88  
1,4-Dichlorobenzene  
Concen: 0.356 ug/l  
RT: 13.817 min Scan# 2000  
Delta R.T. 0.005 min  
Lab File: VN076373.D  
Acq: 24 Jan 2023 11:04

Tgt Ion:146 Resp: 1908  
Ion Ratio Lower Upper  
146 100  
111 0.0 19.1 57.5#  
148 95.5 31.9 95.9

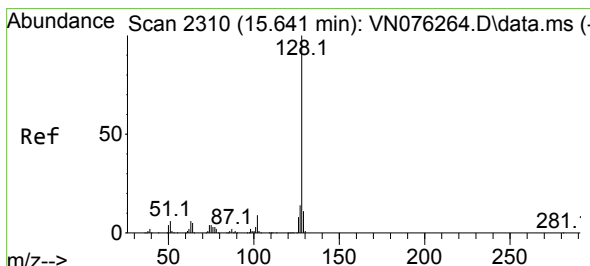
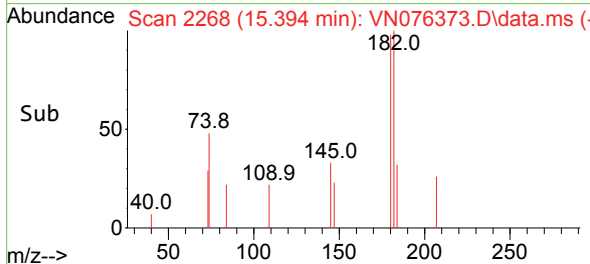
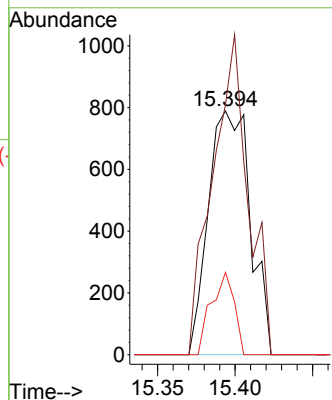
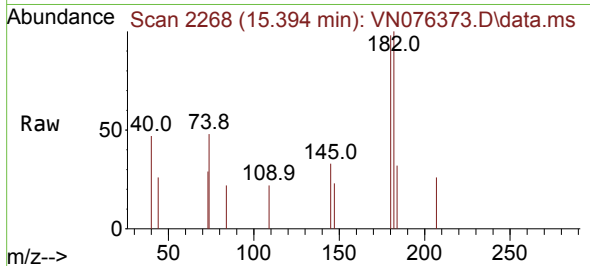




#93  
1,2,4-Trichlorobenzene  
Concen: 1.688 ug/l  
RT: 15.394 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN076373.D  
Acq: 24 Jan 2023 11:04

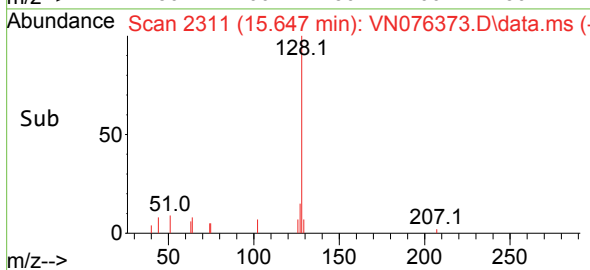
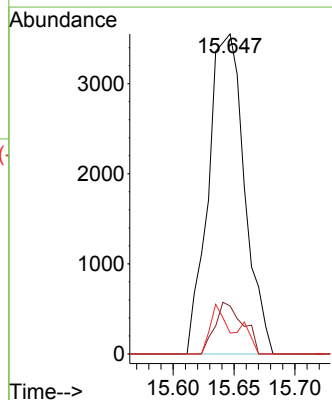
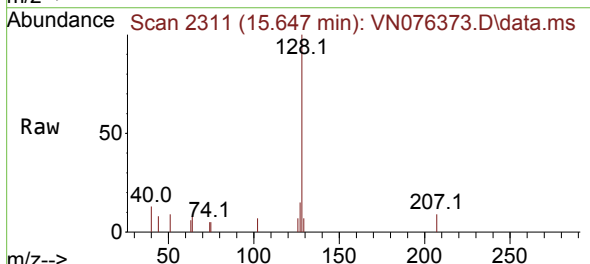
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0124WBL01

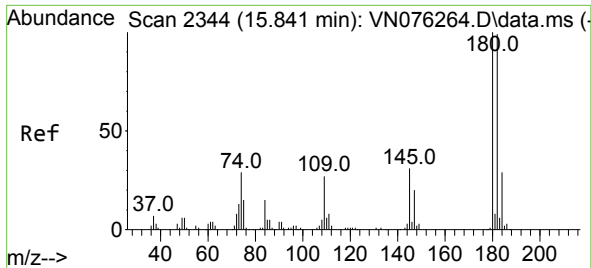
Tgt Ion:180 Resp: 1486  
Ion Ratio Lower Upper  
180 100  
182 111.3 47.0 141.2  
145 18.4 15.2 45.5



#95  
Naphthalene  
Concen: 2.471 ug/l  
RT: 15.647 min Scan# 2311  
Delta R.T. 0.006 min  
Lab File: VN076373.D  
Acq: 24 Jan 2023 11:04

Tgt Ion:128 Resp: 7347  
Ion Ratio Lower Upper  
128 100  
127 12.5 10.3 15.5  
129 10.5 8.6 13.0





#96  
 1,2,3-Trichlorobenzene  
 Concen: 1.663 ug/l  
 RT: 15.841 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VN076373.D  
 Acq: 24 Jan 2023 11:04

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0124WBL01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.3  | 47.5  | 142.5 |
| 145     | 30.8  | 15.9  | 47.6  |

