

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011923\  
 Data File : VN076329.D  
 Acq On : 19 Jan 2023 17:43  
 Operator : JC\MD  
 Sample : 01221-02RE  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

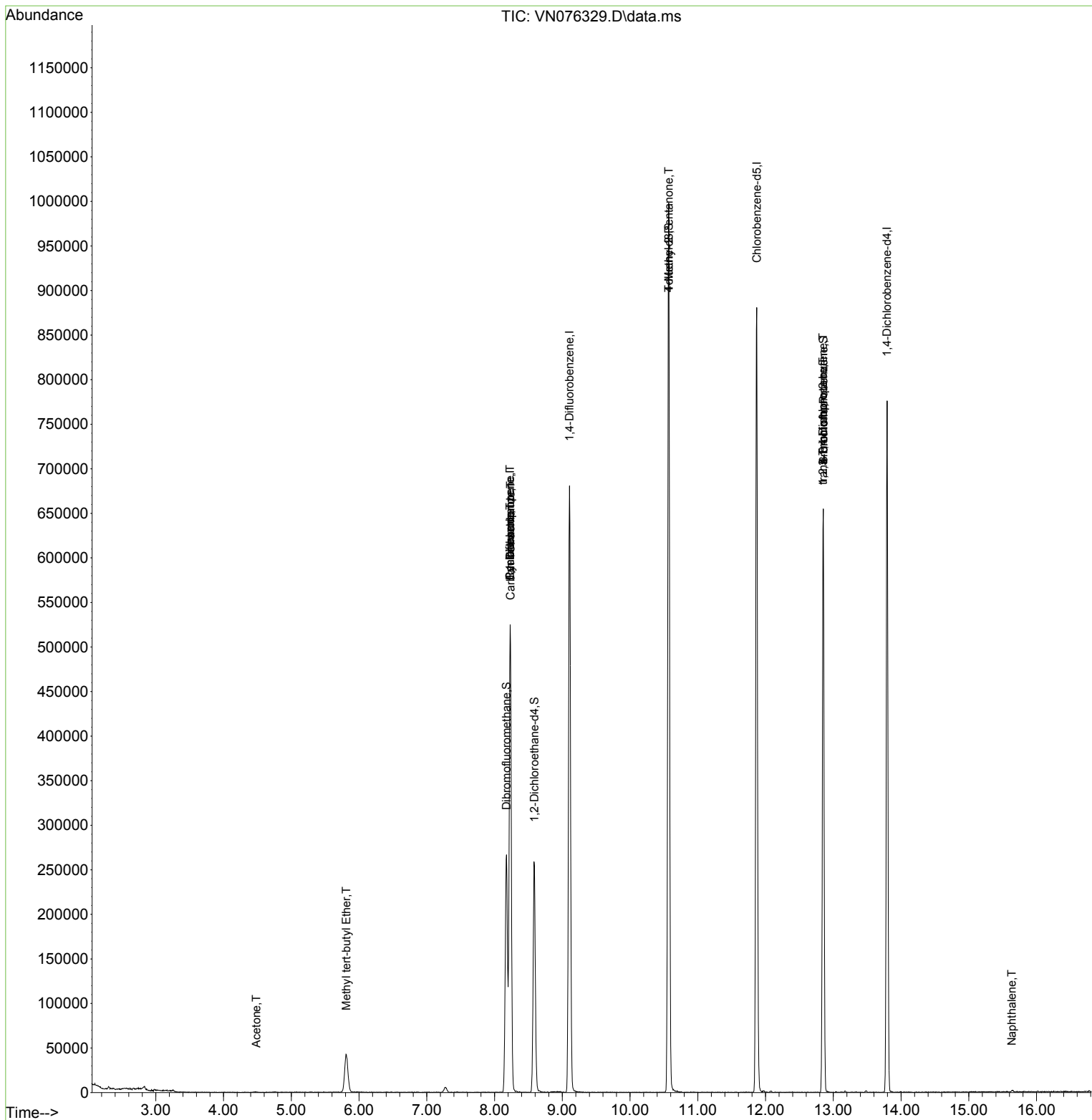
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-11-0118

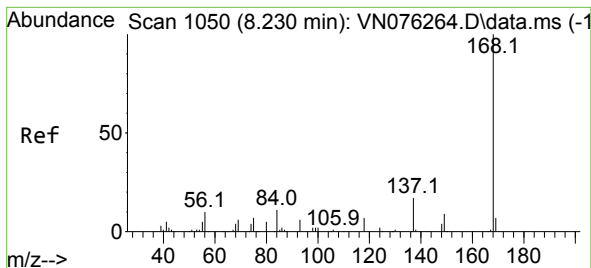
Quant Time: Jan 20 00:59:55 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011623W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 03:59:22 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.230  | 168   | 407389   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106  | 114   | 633018   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.870 | 117   | 538613   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794 | 152   | 215767   | 50.000    | ug/l   | 0.00     |
|                               |        |       |          |           |        |          |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.588  | 65    | 208505   | 45.710    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 91.420%  |
| 35) Dibromofluoromethane      | 8.177  | 113   | 189429   | 47.838    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 95.680%  |
| 50) Toluene-d8                | 10.571 | 98    | 718018   | 49.099    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 98.200%  |
| 62) 4-Bromofluorobenzene      | 12.853 | 95    | 218398   | 45.747    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 91.500%  |
|                               |        |       |          |           |        |          |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 16) Acetone                   | 4.483  | 43    | 998      | 0.609     | ug/l # | 41       |
| 19) Methyl tert-butyl Ether   | 5.812  | 73    | 73914    | 5.819     | ug/l   | 97       |
| 20) Methylene Chloride        | 5.283  | 84    | 76       | Below Cal | #      | 11       |
| 31) Cyclohexane               | 8.230  | 56    | 7757     | 1.107     | ug/l # | 38       |
| 36) 1,1-Dichloropropene       | 8.230  | 75    | 28971    | 5.149     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 8.235  | 117   | 40834    | 6.508     | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.571 | 43    | 2763     | 0.641     | ug/l # | 1        |
| 71) Bromoform                 | 12.853 | 173   | 1610     | 0.526     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75    | 111184   | 27.866    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75    | 111184   | 85.737    | ug/l # | 11       |
| 95) Naphthalene               | 15.635 | 128   | 2770     | 2.077     | ug/l # | 72       |
| -----                         |        |       |          |           |        |          |

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

Quant Time: Jan 20 00:59:55 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: VN076329.D

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Instrument :

MSVOA\_N

ClientSampleId :

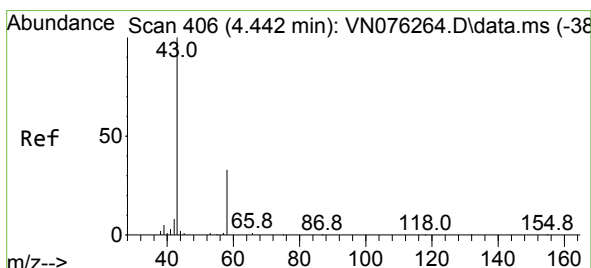
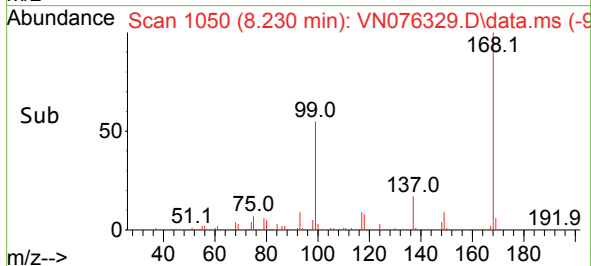
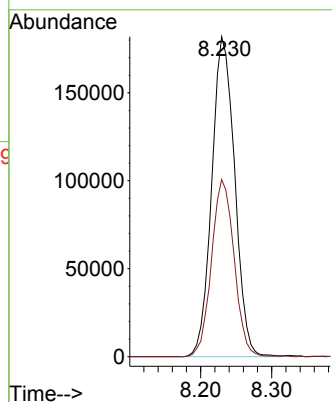
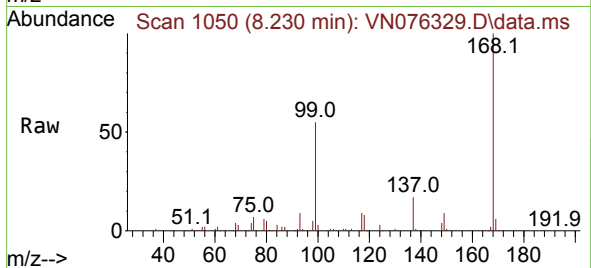
MW-11-0118

Tgt Ion:168 Resp: 407389

Ion Ratio Lower Upper

168 100

99 55.3 41.6 62.4



#16

Acetone

Concen: 0.609 ug/l

RT: 4.483 min Scan# 413

Delta R.T. 0.041 min

Lab File: VN076329.D

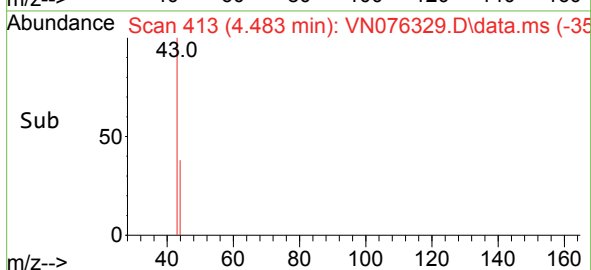
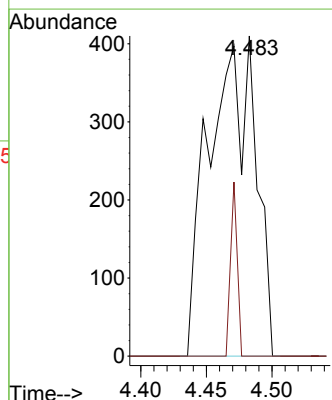
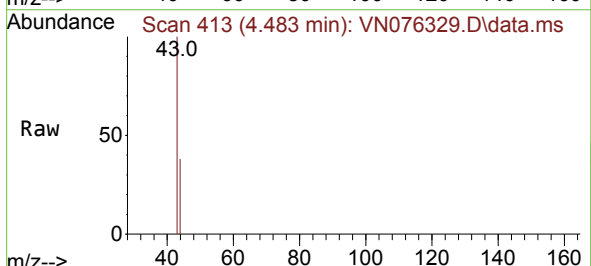
Acq: 19 Jan 2023 17:43

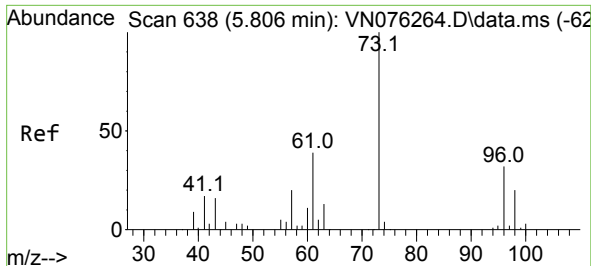
Tgt Ion: 43 Resp: 998

Ion Ratio Lower Upper

43 100

58 0.0 26.7 40.1#

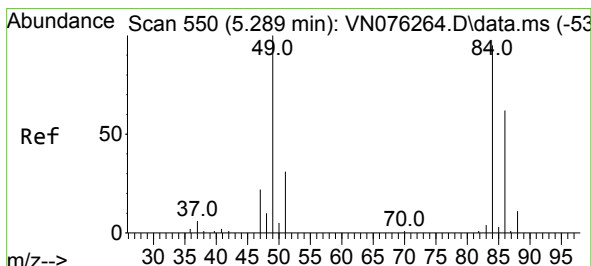
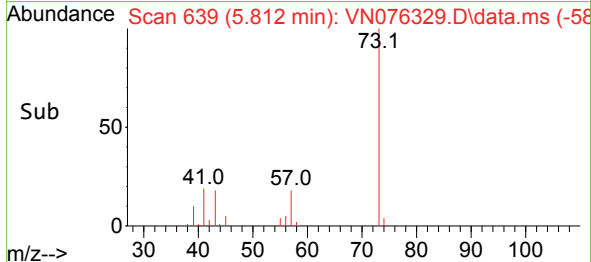
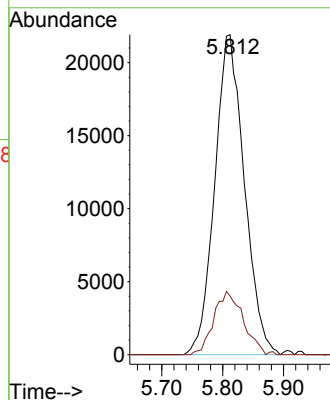
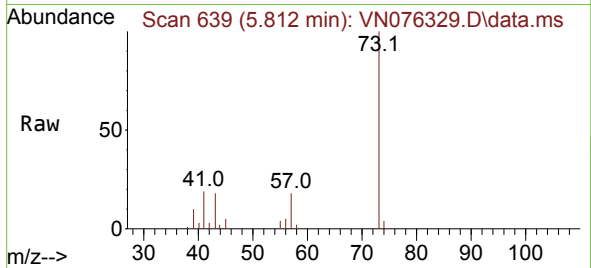




#19  
Methyl tert-butyl Ether  
Concen: 5.819 ug/l  
RT: 5.812 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN076329.D  
Acq: 19 Jan 2023 17:43

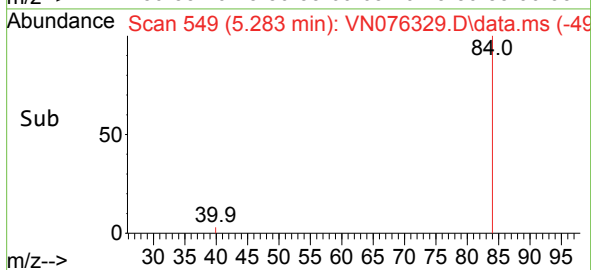
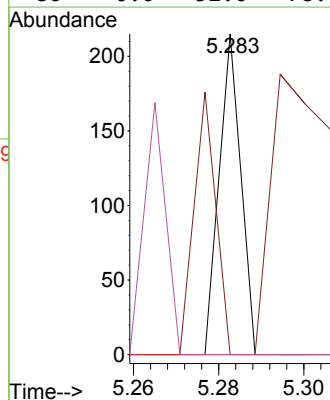
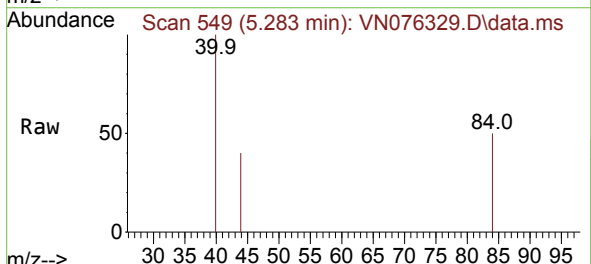
Instrument :  
MSVOA\_N  
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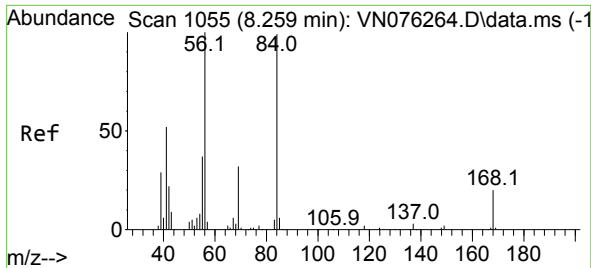
Tgt Ion: 73 Resp: 73914  
Ion Ratio Lower Upper  
73 100  
57 18.3 15.9 23.9



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 5.283 min Scan# 549  
Delta R.T. -0.006 min  
Lab File: VN076329.D  
Acq: 19 Jan 2023 17:43

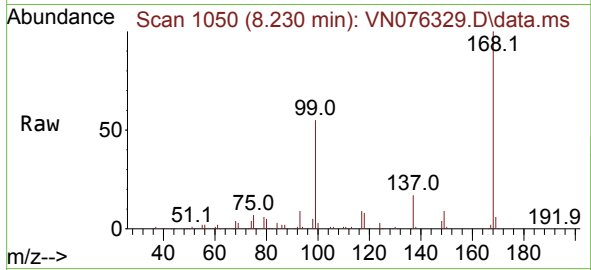
Tgt Ion: 84 Resp: 76  
Ion Ratio Lower Upper  
84 100  
49 0.0 84.5 126.7#  
51 0.0 26.0 39.0#  
86 0.0 52.0 78.0#



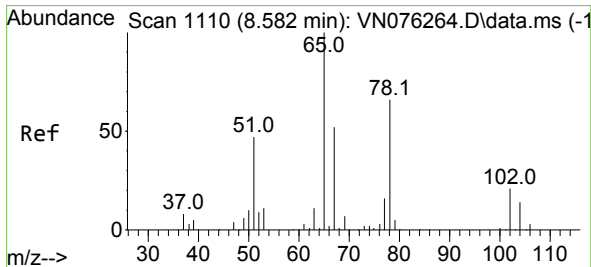
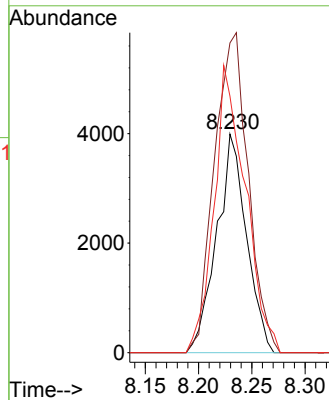
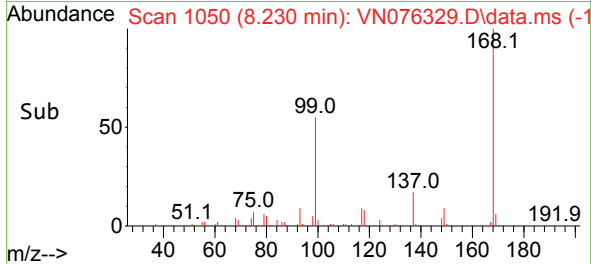


#31  
Cyclohexane  
Concen: 1.107 ug/l  
RT: 8.230 min Scan# 1055  
Delta R.T. -0.029 min  
Lab File: VN076329.D  
Acq: 19 Jan 2023 17:43

Instrument :  
MSVOA\_N  
ClientSampleId :  
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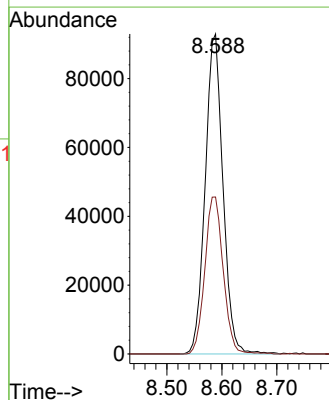
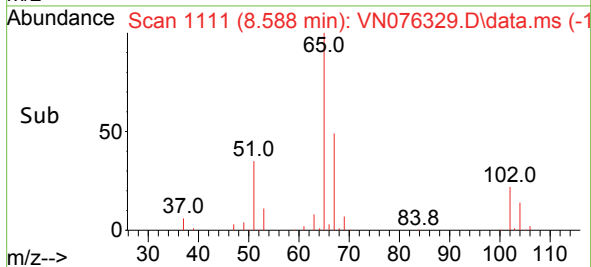
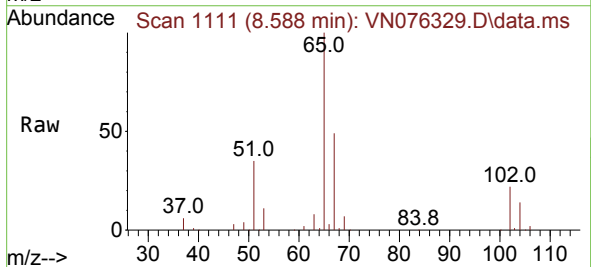


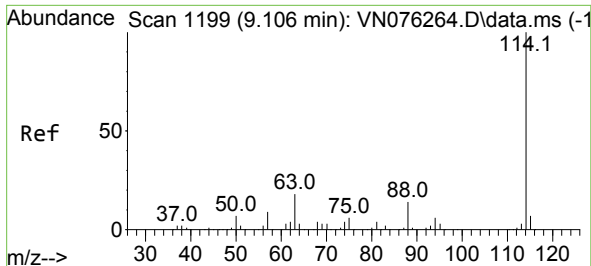
Tgt Ion: 56 Resp: 7757  
Ion Ratio Lower Upper  
56 100  
69 141.8 25.8 38.8#  
84 117.4 79.0 118.4



#33  
1,2-Dichloroethane-d4  
Concen: 45.710 ug/l  
RT: 8.588 min Scan# 1111  
Delta R.T. 0.006 min  
Lab File: VN076329.D  
Acq: 19 Jan 2023 17:43

Tgt Ion: 65 Resp: 208505  
Ion Ratio Lower Upper  
65 100  
67 50.8 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: VN076329.D

Acq: 19 Jan 2023 17:43

Instrument :

MSVOA\_N

ClientSampleId :

MW-11-0118

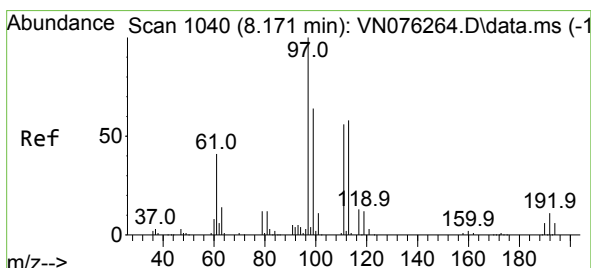
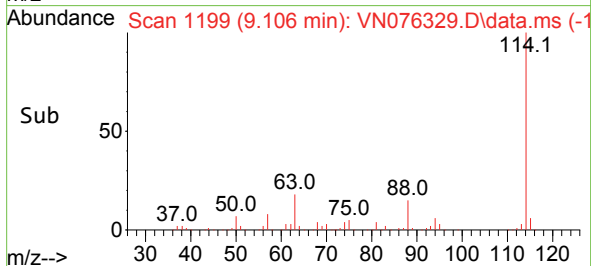
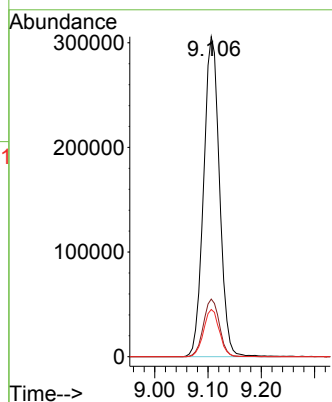
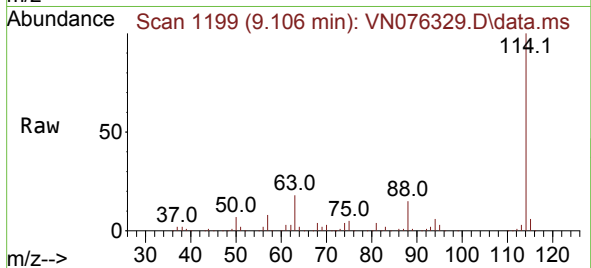
Tgt Ion:114 Resp: 633018

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.8

88 14.8 0.0 28.0



#35

Dibromofluoromethane

Concen: 47.838 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN076329.D

Acq: 19 Jan 2023 17:43

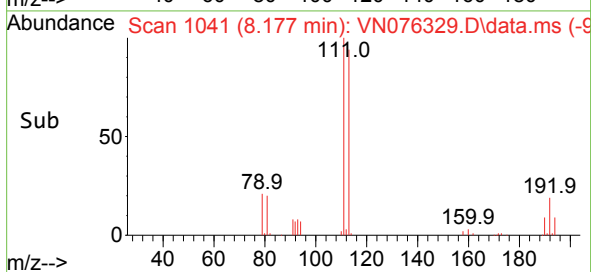
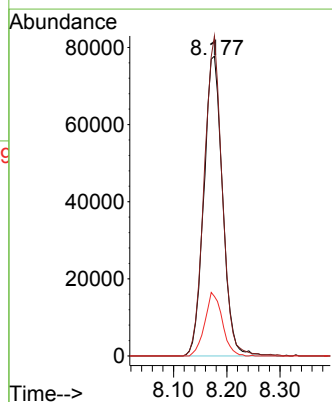
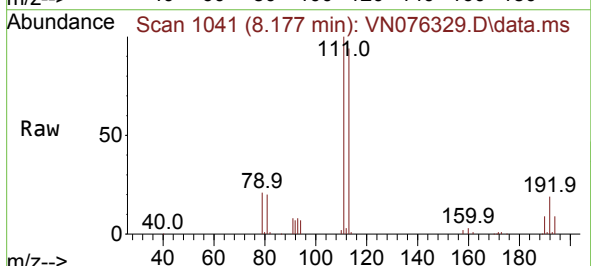
Tgt Ion:113 Resp: 189429

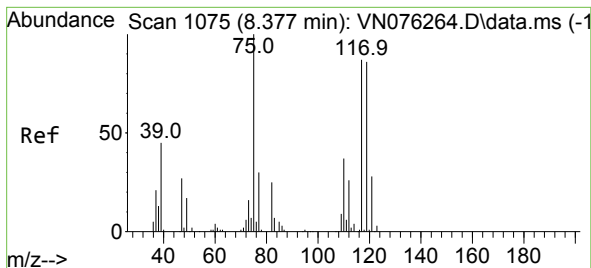
Ion Ratio Lower Upper

113 100

111 102.6 82.7 124.1

192 19.8 15.6 23.4





#36

1,1-Dichloropropene

Concen: 5.149 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076329.D

Acq: 19 Jan 2023 17:43

Instrument :

MSVOA\_N

ClientSampleId :

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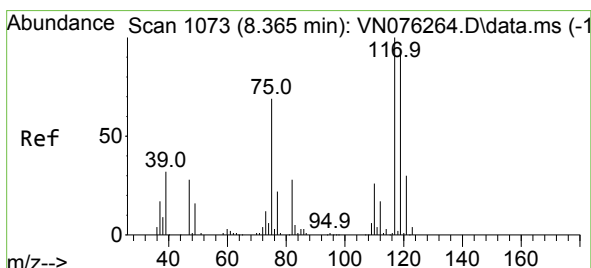
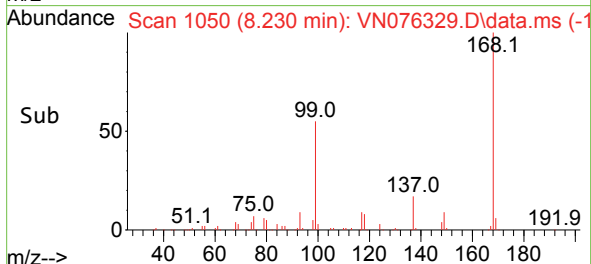
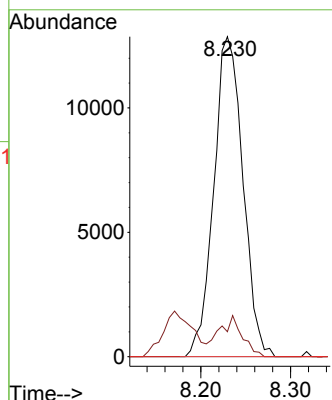
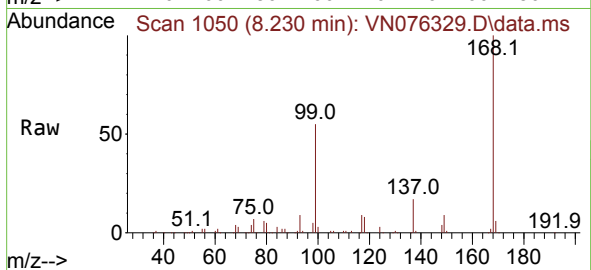
Tgt Ion: 75 Resp: 28971

Ion Ratio Lower Upper

75 100

110 10.2 18.8 56.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.508 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.130 min

Lab File: VN076329.D

Acq: 19 Jan 2023 17:43

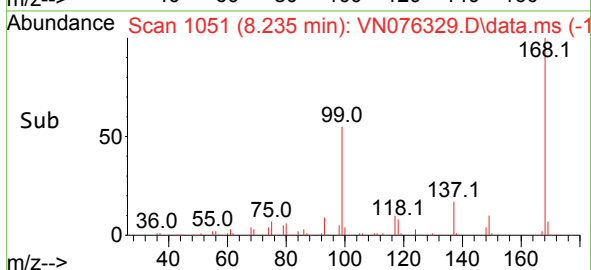
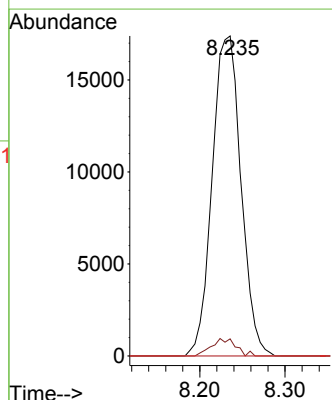
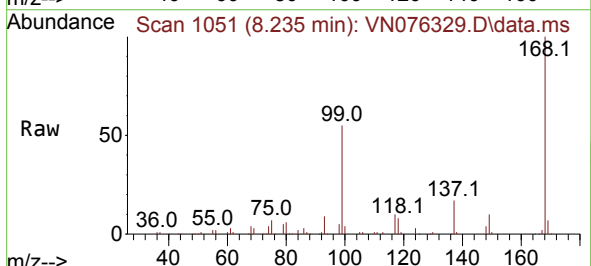
Tgt Ion: 117 Resp: 40834

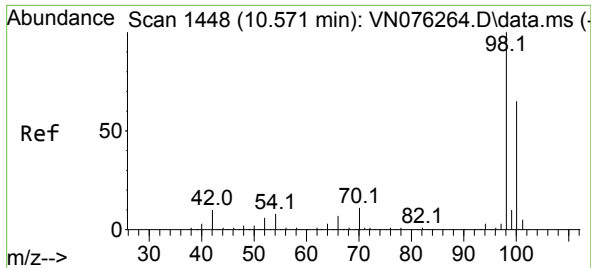
Ion Ratio Lower Upper

117 100

119 5.3 75.4 113.0#

121 0.0 24.2 36.2#

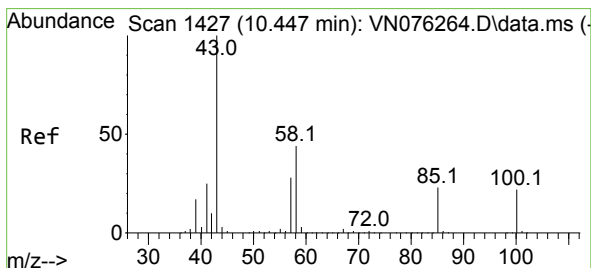
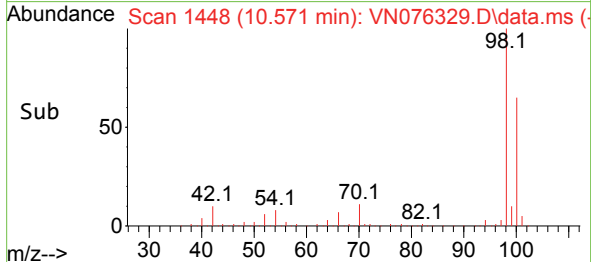
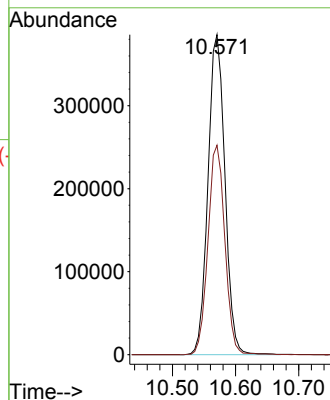
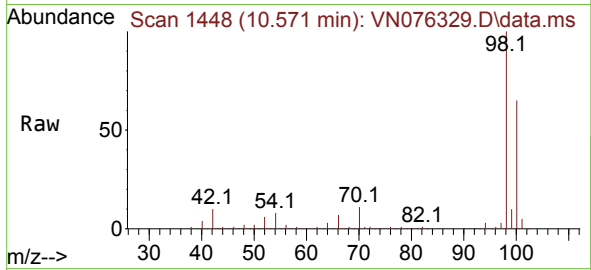




#50  
Toluene-d8  
Concen: 49.099 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: VN076329.D  
Acq: 19 Jan 2023 17:43

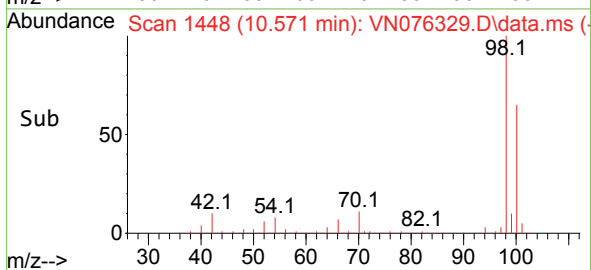
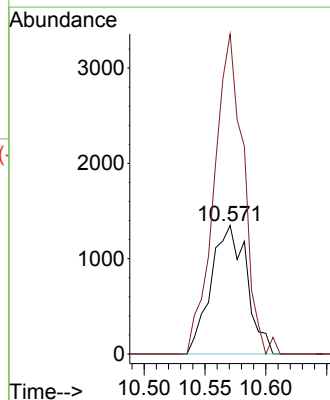
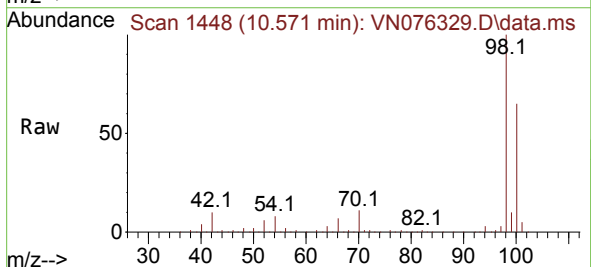
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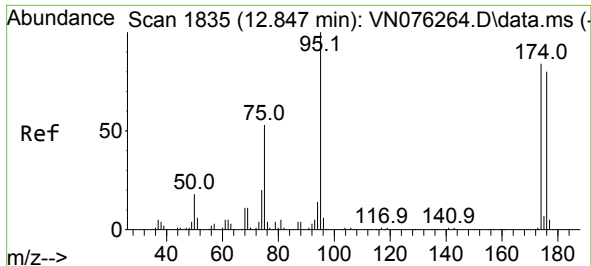
Tgt Ion: 98 Resp: 718018  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.2 78.4



#51  
4-Methyl-2-Pentanone  
Concen: 0.641 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. 0.124 min  
Lab File: VN076329.D  
Acq: 19 Jan 2023 17:43

Tgt Ion: 43 Resp: 2763  
Ion Ratio Lower Upper  
43 100  
58 204.9 35.1 52.7#

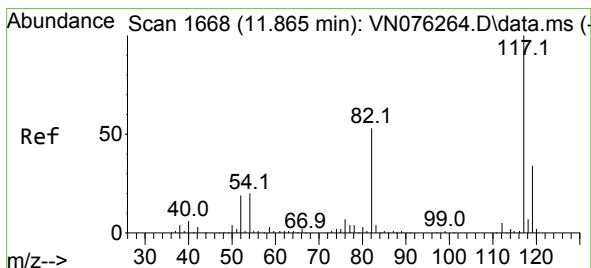
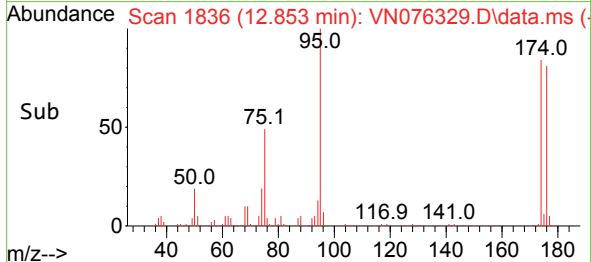
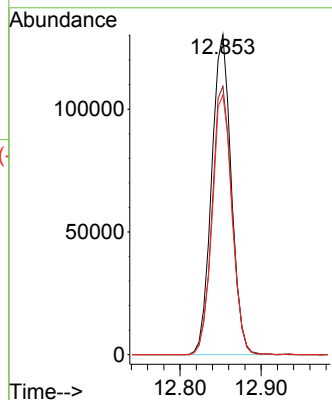
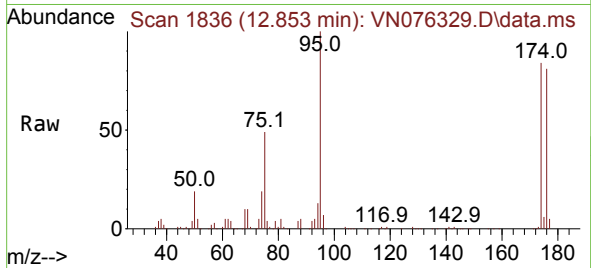




#62  
4-Bromofluorobenzene  
Concen: 45.747 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.006 min  
Lab File: VN076329.D  
Acq: 19 Jan 2023 17:43

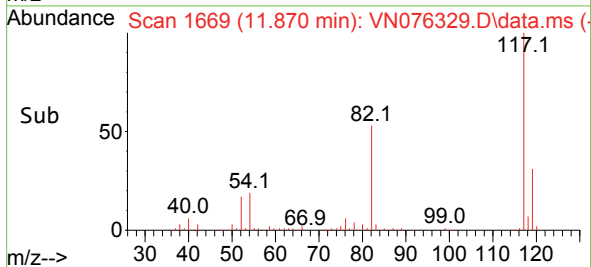
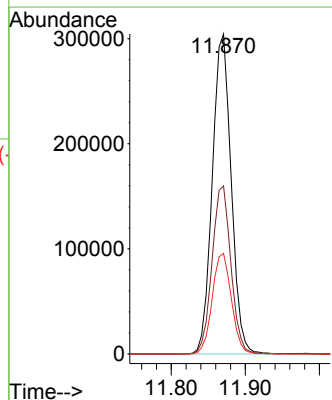
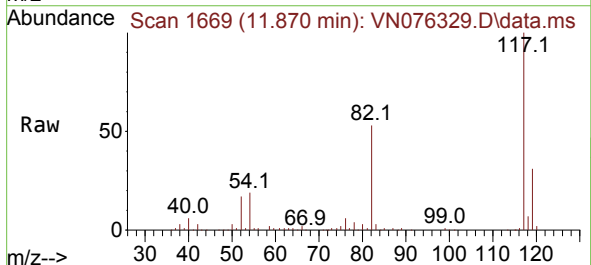
Instrument :  
MSVOA\_N  
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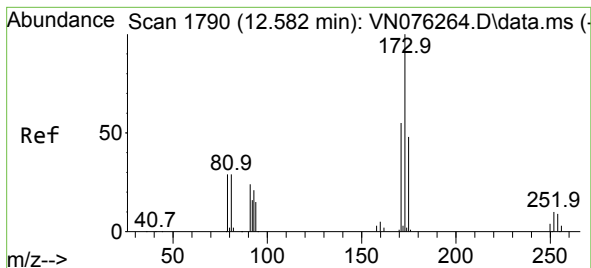
Tgt Ion: 95 Resp: 218398  
Ion Ratio Lower Upper  
95 100  
174 85.3 0.0 174.6  
176 82.5 0.0 167.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1669  
Delta R.T. 0.005 min  
Lab File: VN076329.D  
Acq: 19 Jan 2023 17:43

Tgt Ion: 117 Resp: 538613  
Ion Ratio Lower Upper  
117 100  
82 52.5 42.2 63.2  
119 31.5 26.9 40.3





#71

Bromoform

Concen: 0.526 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN076329.D

Acq: 19 Jan 2023 17:43

Instrument :

MSVOA\_N

ClientSampleId :

MW-11-0118

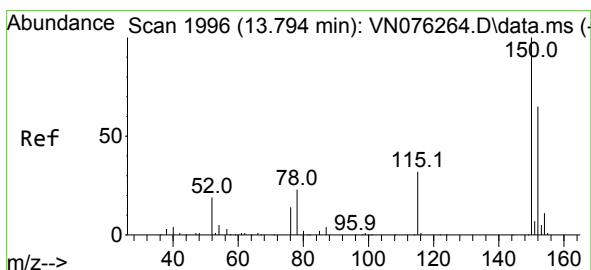
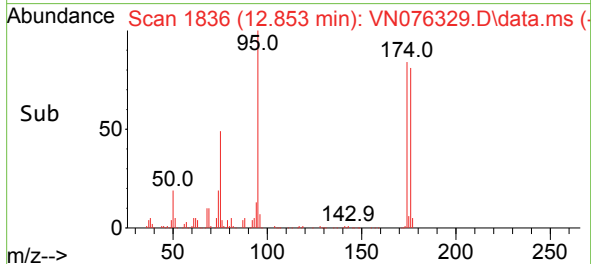
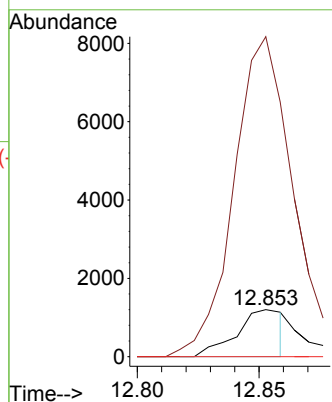
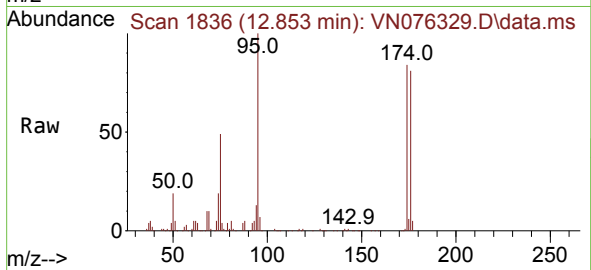
Tgt Ion:173 Resp: 1610

Ion Ratio Lower Upper

173 100

175 684.6 24.1 72.4#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VN076329.D

Acq: 19 Jan 2023 17:43

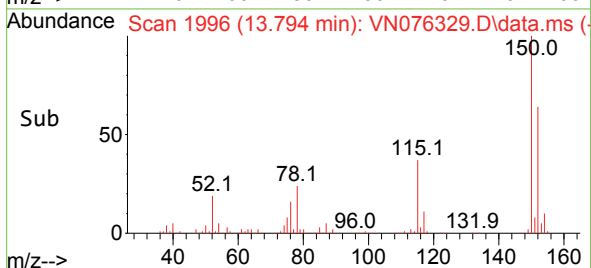
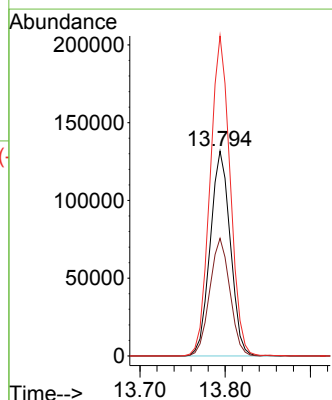
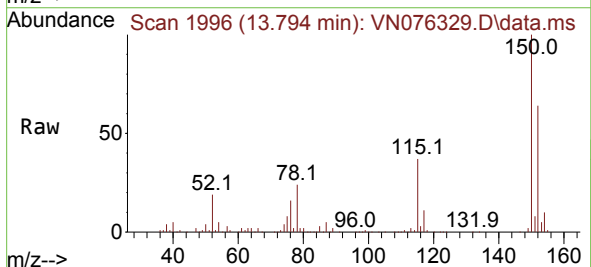
Tgt Ion:152 Resp: 215767

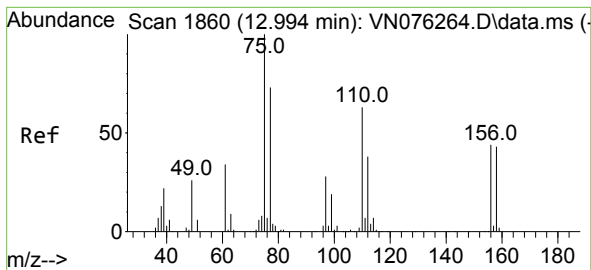
Ion Ratio Lower Upper

152 100

115 57.6 29.6 88.9

150 156.3 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 27.866 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.147 min

Lab File: VN076329.D

Acq: 19 Jan 2023 17:43

Instrument :

MSVOA\_N

ClientSampleId :

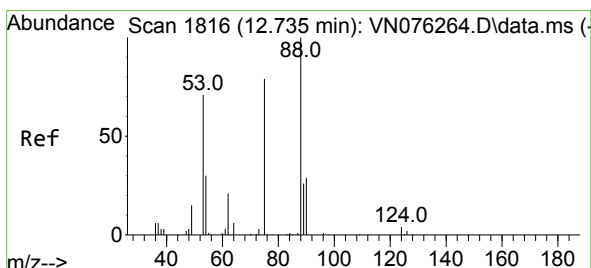
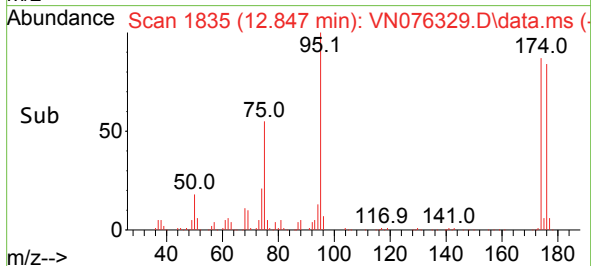
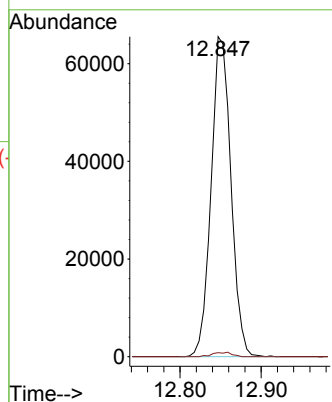
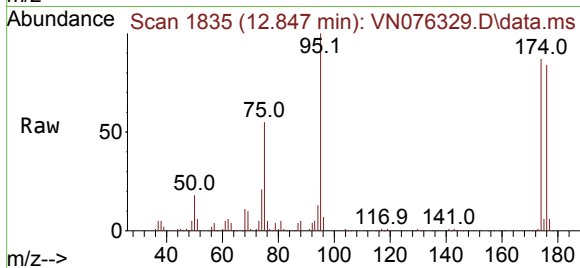
MW-11-0118

Tgt Ion: 75 Resp: 111184

Ion Ratio Lower Upper

75 100

77 1.3 75.2 225.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 85.737 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. 0.112 min

Lab File: VN076329.D

Acq: 19 Jan 2023 17:43

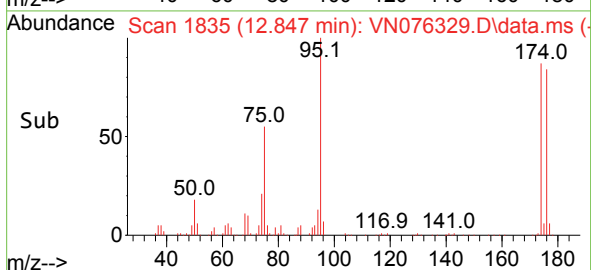
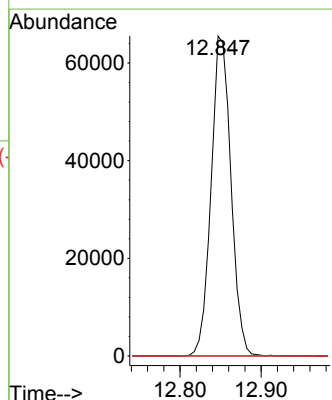
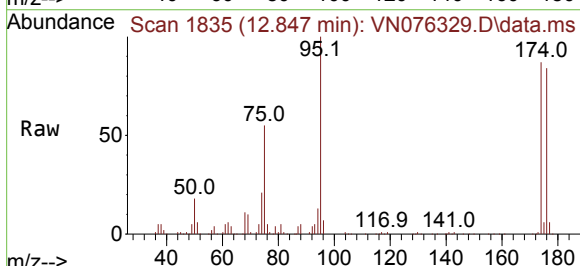
Tgt Ion: 75 Resp: 111184

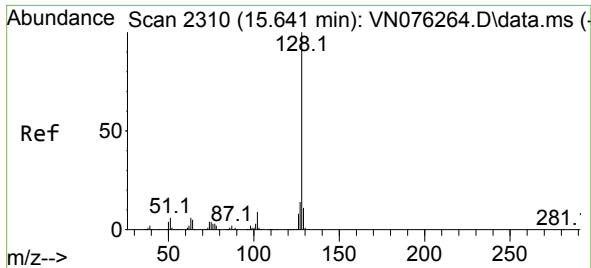
Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

89 0.0 37.0 55.6#





#95

Naphthalene

Concen: 2.077 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN076329.D

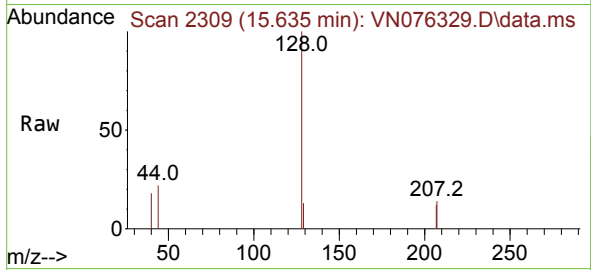
Acq: 19 Jan 2023 17:43

Instrument :

MSVOA\_N

ClientSampleId :

MW-11-0118



Tgt Ion:128 Resp: 2770

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 2.4 8.6 13.0#

