

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010323\  
 Data File : VN076059.D  
 Acq On : 03 Jan 2023 13:26  
 Operator : JC\MD  
 Sample : VN0103WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0103WBL01

Quant Time: Jan 04 04:16:11 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 14 13:03:41 2022  
 Response via : Initial Calibration

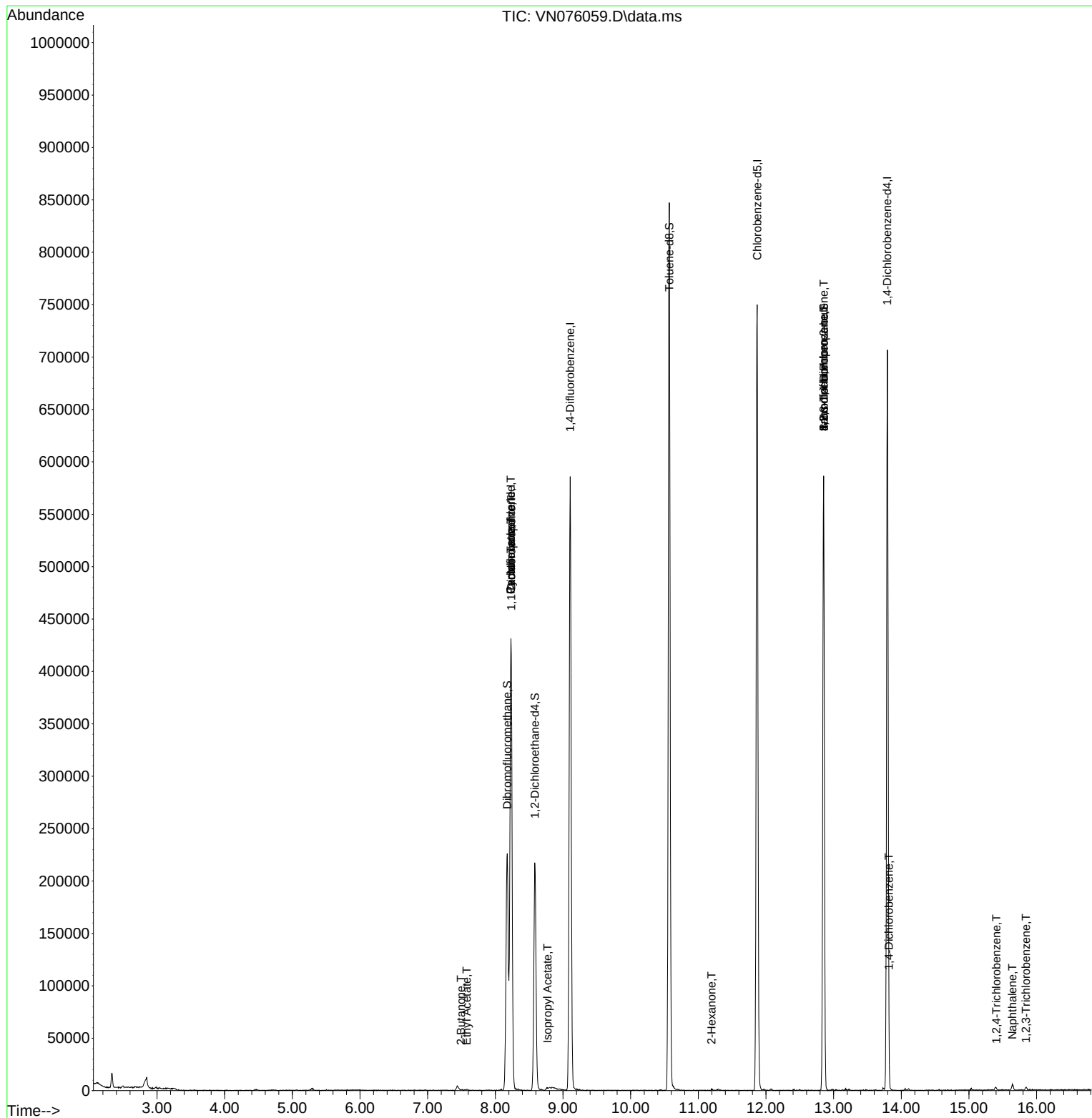
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.230  | 168   | 341489   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106  | 114   | 538675   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.871 | 117   | 467270   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794 | 152   | 200298   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.583  | 65    | 175797   | 47.320    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 94.640%  |
| 35) Dibromofluoromethane      | 8.177  | 113   | 161224   | 48.329    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 96.660%  |
| 50) Toluene-d8                | 10.571 | 98    | 612653   | 49.120    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 98.240%  |
| 62) 4-Bromofluorobenzene      | 12.853 | 95    | 190972   | 46.228    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 92.460%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 20) Methylene Chloride        | 5.283  | 84    | 1542     | Below Cal | #      | 86       |
| 25) 2-Butanone                | 7.494  | 43    | 804      | 0.448     | ug/l # | 40       |
| 31) Cyclohexane               | 8.230  | 56    | 6687     | 1.257     | ug/l # | 39       |
| 36) 1,1-Dichloropropene       | 8.236  | 75    | 24513    | 5.532     | ug/l # | 48       |
| 37) Ethyl Acetate             | 7.577  | 43    | 1897     | 0.533     | ug/l # | 69       |
| 38) Carbon Tetrachloride      | 8.230  | 117   | 32820    | 6.617     | ug/l # | 16       |
| 43) Isopropyl Acetate         | 8.771  | 43    | 1746     | 0.297     | ug/l # | 50       |
| 59) 2-Hexanone                | 11.194 | 43    | 956      | 0.369     | ug/l   | 98       |
| 71) Bromoform                 | 12.853 | 173   | 1683     | 0.651     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75    | 98797    | 24.470    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75    | 98797    | 88.079    | ug/l # | 12       |
| 88) 1,4-Dichlorobenzene       | 13.818 | 146   | 1655     | 0.239     | ug/l # | 1        |
| 93) 1,2,4-Trichlorobenzene    | 15.406 | 180   | 1293     | 0.392     | ug/l   | 95       |
| 95) Naphthalene               | 15.641 | 128   | 5881     | 2.694     | ug/l # | 94       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180   | 1303     | 0.422     | ug/l   | 90       |
| -----                         |        |       |          |           |        |          |

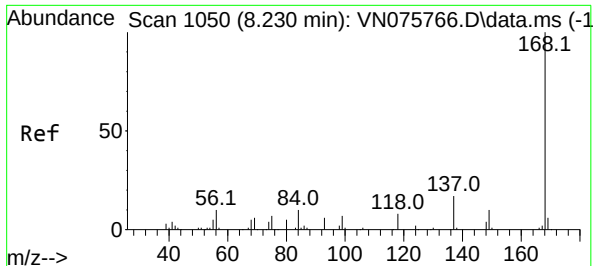
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN0103WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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Quant Title : SW846 8260  
QLast Update : Wed Dec 14 13:03:41 2022  
Response via : Initial Calibration

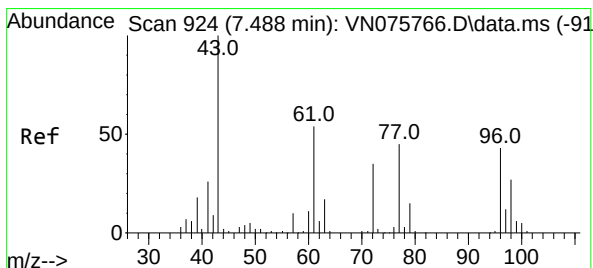
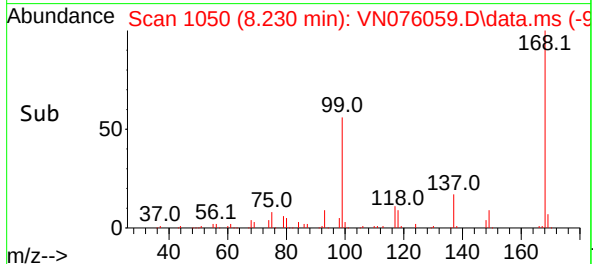
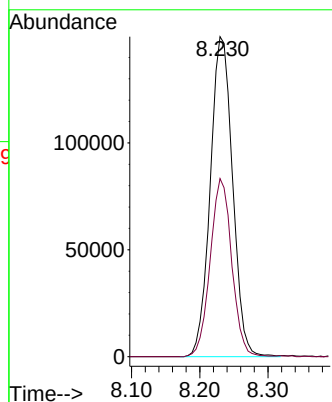
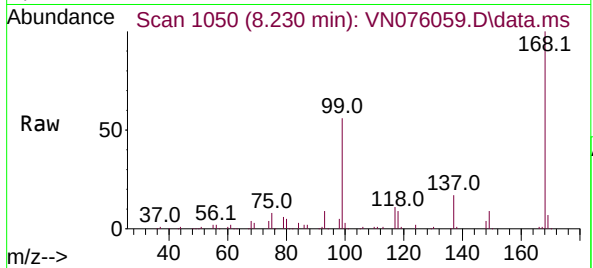




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN076059.D  
Acq: 03 Jan 2023 13:26

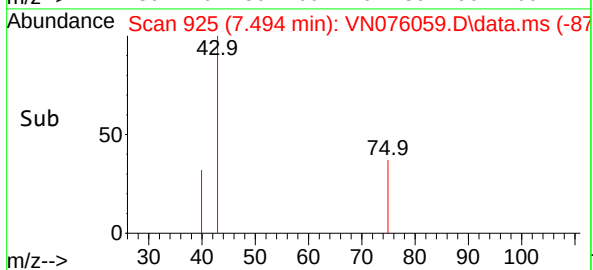
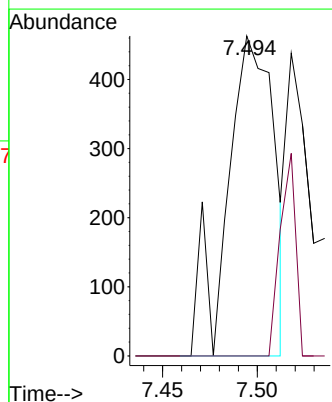
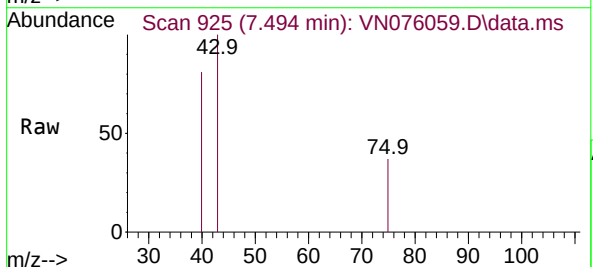
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0103WBL01

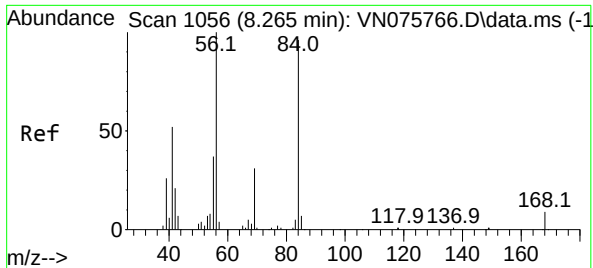
Tgt Ion:168 Resp: 341489  
Ion Ratio Lower Upper  
168 100  
99 55.7 44.2 66.4



#25  
2-Butanone  
Concen: 0.448 ug/l  
RT: 7.494 min Scan# 925  
Delta R.T. 0.006 min  
Lab File: VN076059.D  
Acq: 03 Jan 2023 13:26

Tgt Ion: 43 Resp: 804  
Ion Ratio Lower Upper  
43 100  
72 0.0 28.0 42.0#

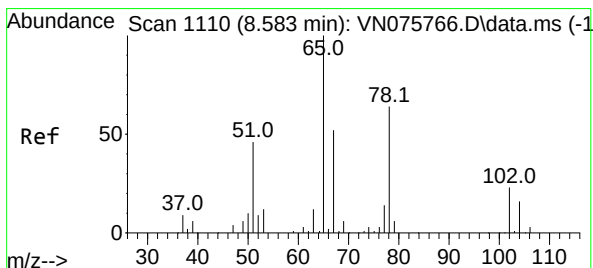
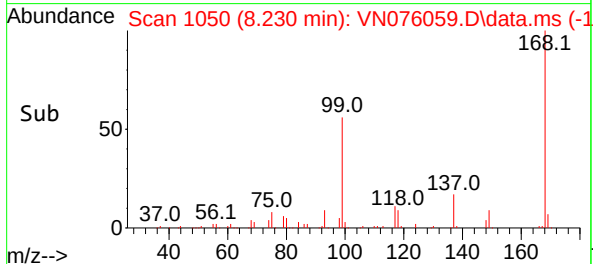
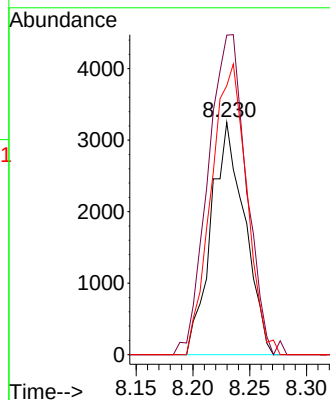
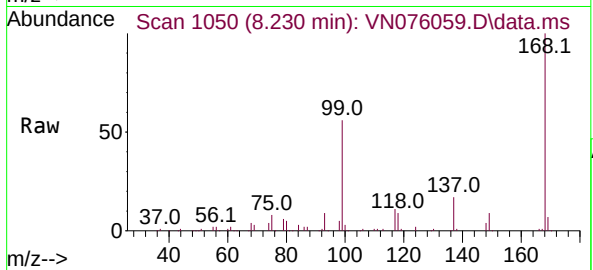




#31  
Cyclohexane  
Concen: 1.257 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.035 min  
Lab File: VN076059.D  
Acq: 03 Jan 2023 13:26

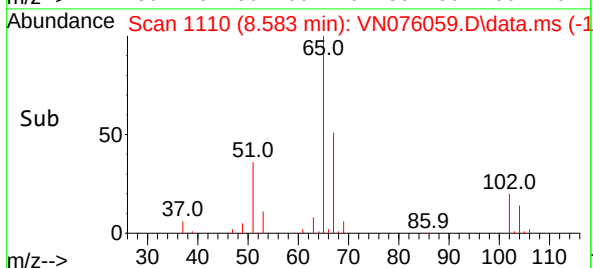
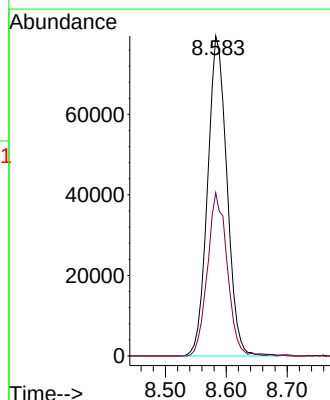
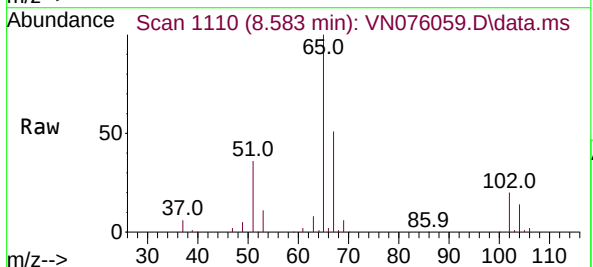
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0103WBL01

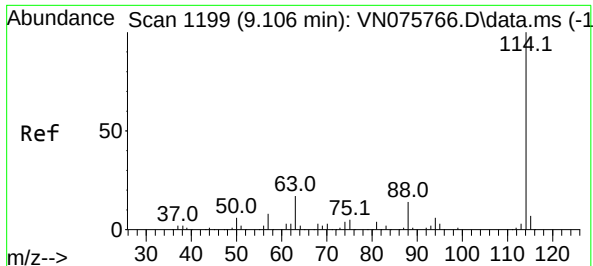
Tgt Ion: 56 Resp: 6687  
Ion Ratio Lower Upper  
56 100  
69 132.2 24.7 37.1#  
84 115.8 76.5 114.7#



#33  
1,2-Dichloroethane-d4  
Concen: 47.320 ug/l  
RT: 8.583 min Scan# 1110  
Delta R.T. 0.000 min  
Lab File: VN076059.D  
Acq: 03 Jan 2023 13:26

Tgt Ion: 65 Resp: 175797  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076059.D

Acq: 03 Jan 2023 13:26

Instrument :

MSVOA\_N

ClientSampleId :

VN0103WBL01

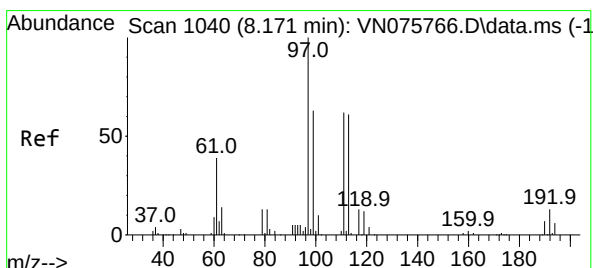
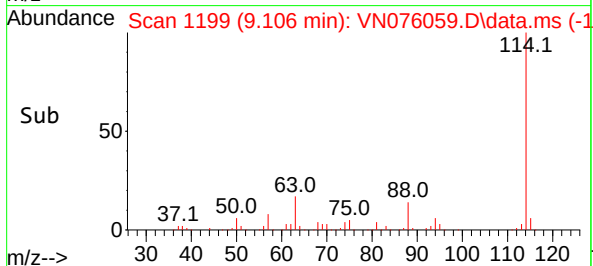
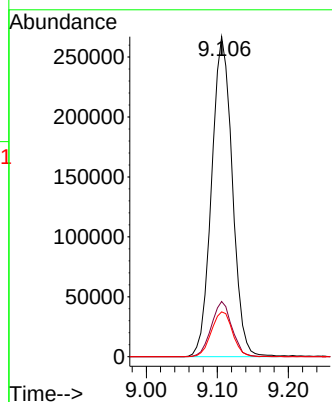
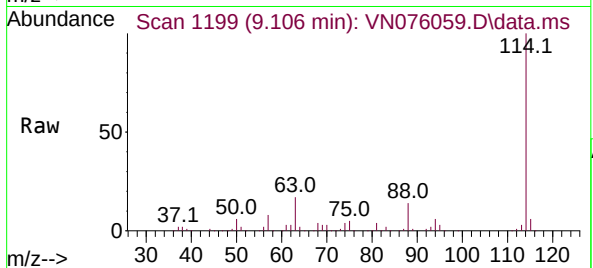
Tgt Ion:114 Resp: 538675

Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.4

88 14.0 0.0 28.8



#35

Dibromofluoromethane

Concen: 48.329 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN076059.D

Acq: 03 Jan 2023 13:26

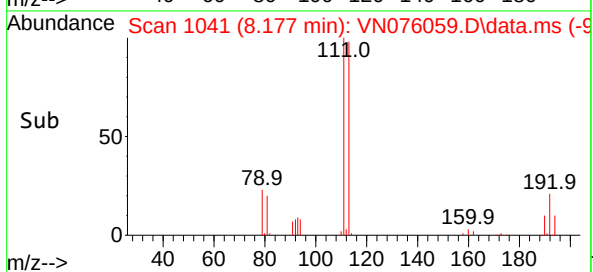
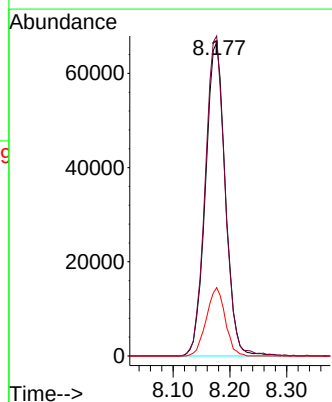
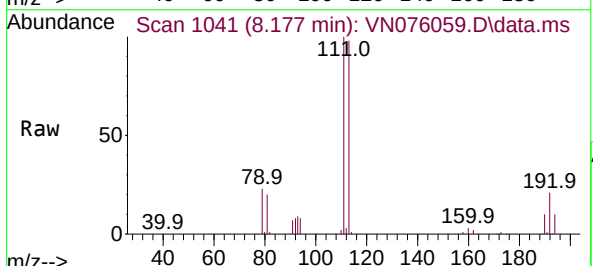
Tgt Ion:113 Resp: 161224

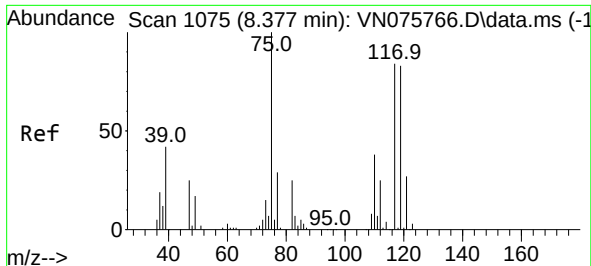
Ion Ratio Lower Upper

113 100

111 102.1 83.4 125.2

192 20.7 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.532 ug/l

RT: 8.236 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN076059.D

Acq: 03 Jan 2023 13:26

Instrument :

MSVOA\_N

ClientSampleId :

VN0103WBL01

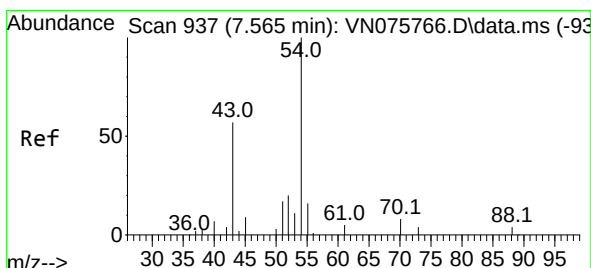
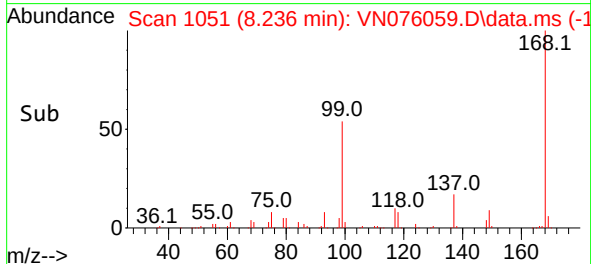
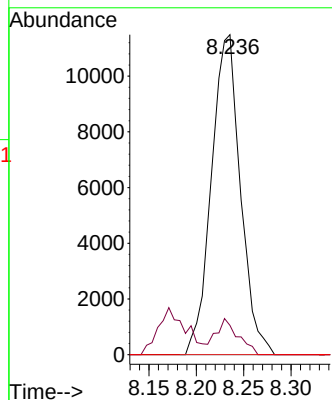
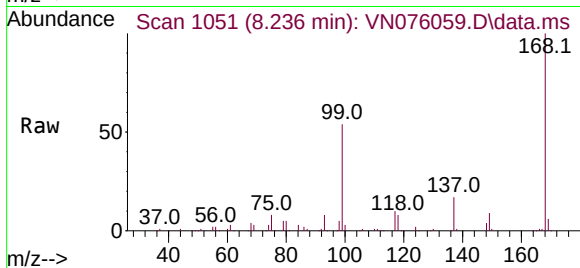
Tgt Ion: 75 Resp: 24513

Ion Ratio Lower Upper

75 100

110 8.4 18.8 56.4#

77 0.0 24.1 36.1#



#37

Ethyl Acetate

Concen: 0.533 ug/l

RT: 7.577 min Scan# 939

Delta R.T. 0.012 min

Lab File: VN076059.D

Acq: 03 Jan 2023 13:26

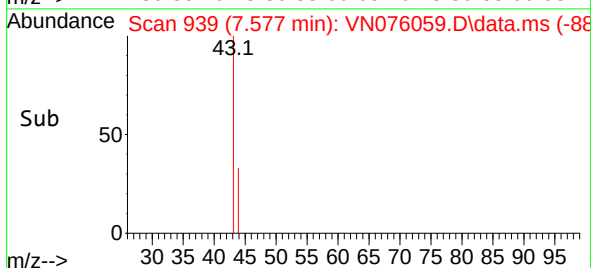
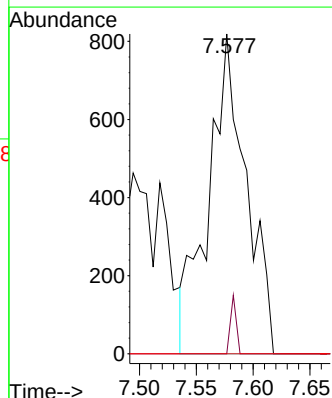
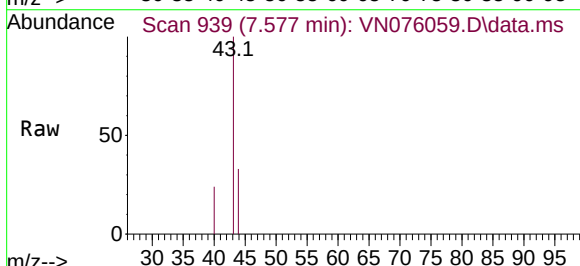
Tgt Ion: 43 Resp: 1897

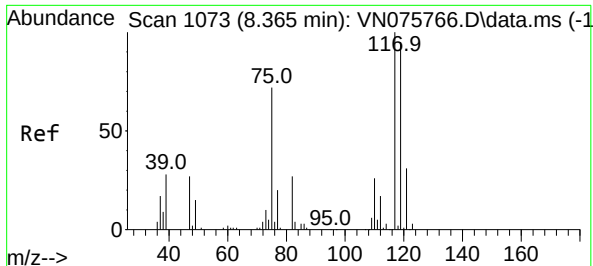
Ion Ratio Lower Upper

43 100

61 2.8 13.0 19.4#

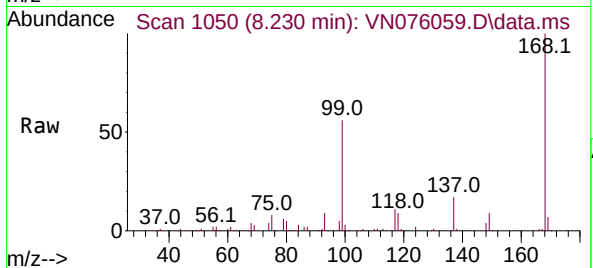
70 0.0 9.4 14.0#



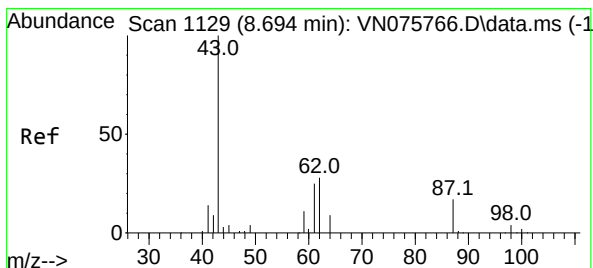
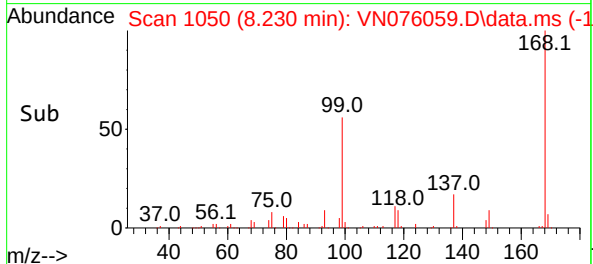
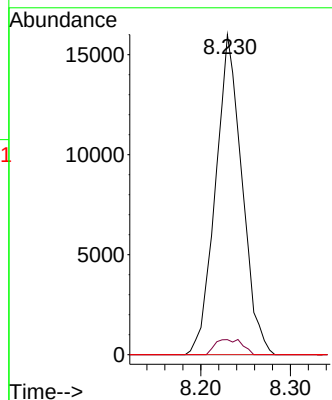


#38  
Carbon Tetrachloride  
Concen: 6.617 ug/l  
RT: 8.230 min Scan# 110  
Delta R.T. -0.135 min  
Lab File: VN076059.D  
Acq: 03 Jan 2023 13:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0103WBL01

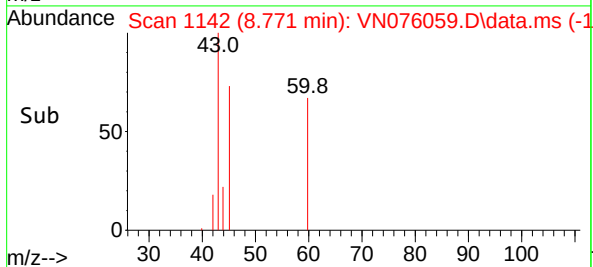
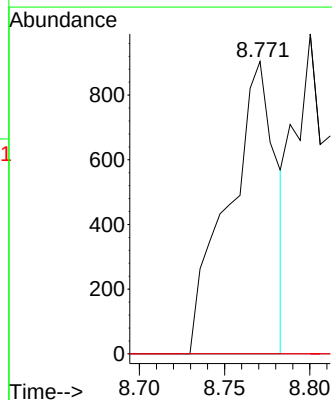
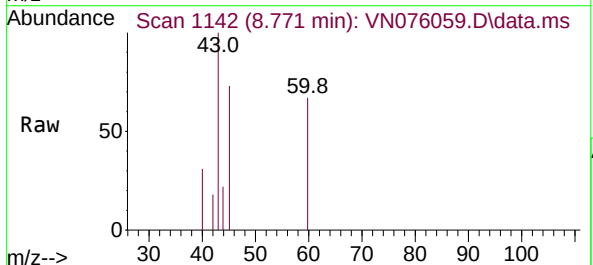


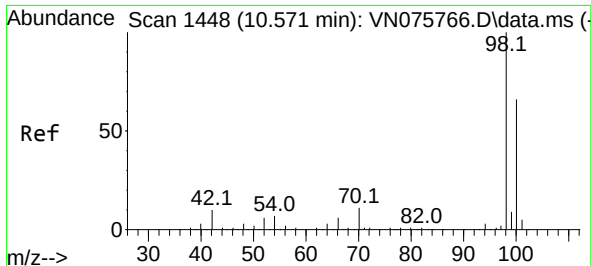
Tgt Ion:117 Resp: 32820  
Ion Ratio Lower Upper  
117 100  
119 4.7 76.1 114.1#  
121 0.0 24.5 36.7#



#43  
Isopropyl Acetate  
Concen: 0.297 ug/l  
RT: 8.771 min Scan# 1142  
Delta R.T. 0.077 min  
Lab File: VN076059.D  
Acq: 03 Jan 2023 13:26

Tgt Ion: 43 Resp: 1746  
Ion Ratio Lower Upper  
43 100  
61 0.0 24.2 36.4#  
87 0.0 13.3 19.9#

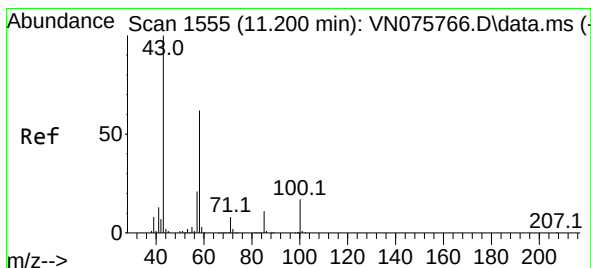
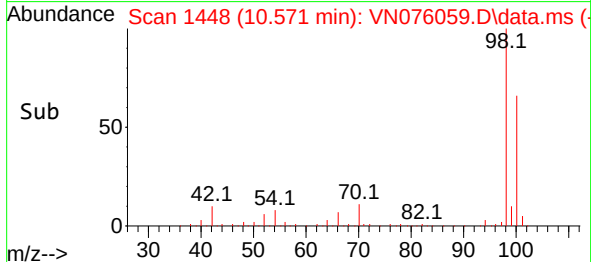
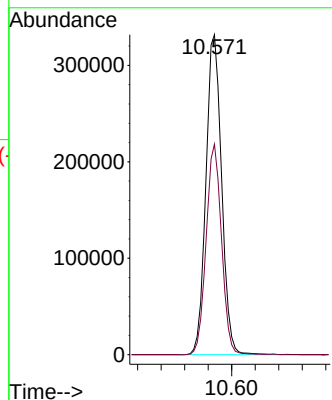
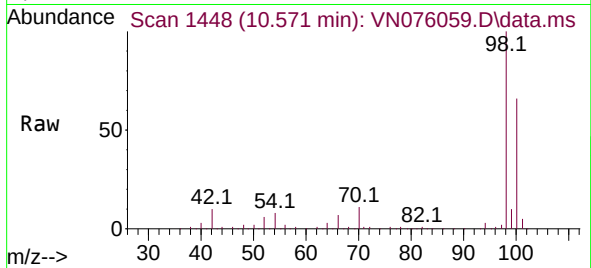




#50  
Toluene-d8  
Concen: 49.120 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: VN076059.D  
Acq: 03 Jan 2023 13:26

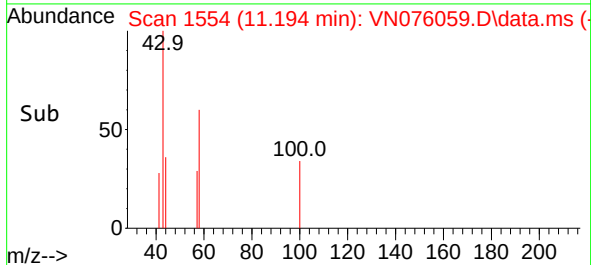
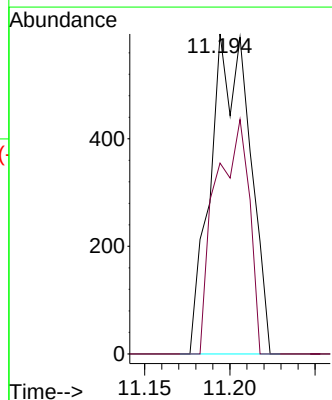
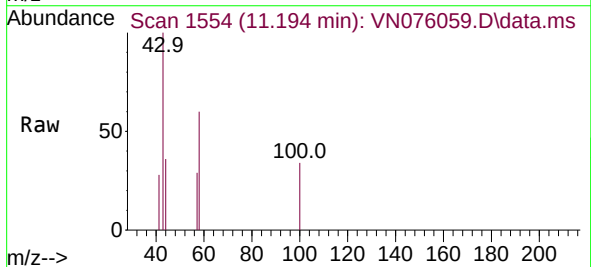
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0103WBL01

Tgt Ion: 98 Resp: 612653  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.1 78.1

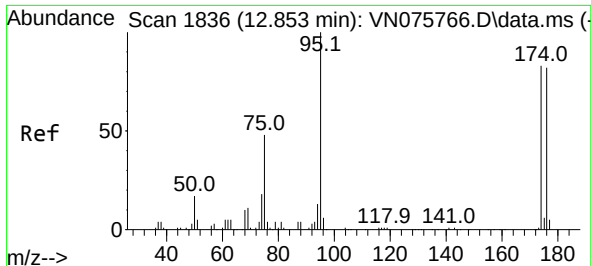


#59  
2-Hexanone  
Concen: 0.369 ug/l  
RT: 11.194 min Scan# 1554  
Delta R.T. -0.006 min  
Lab File: VN076059.D  
Acq: 03 Jan 2023 13:26

Tgt Ion: 43 Resp: 956  
Ion Ratio Lower Upper  
43 100  
58 62.4 30.6 92.0



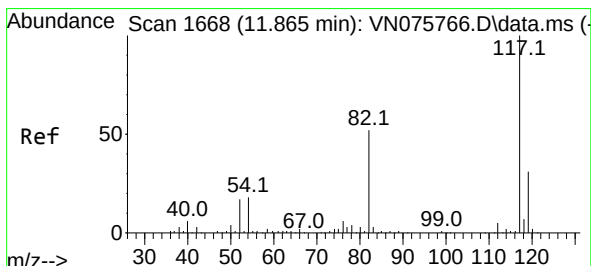
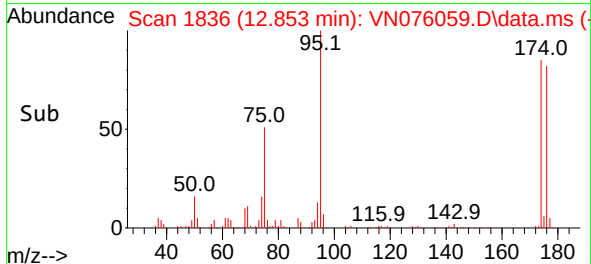
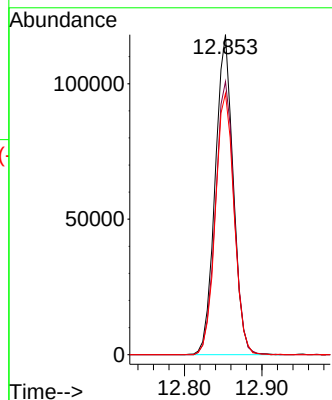
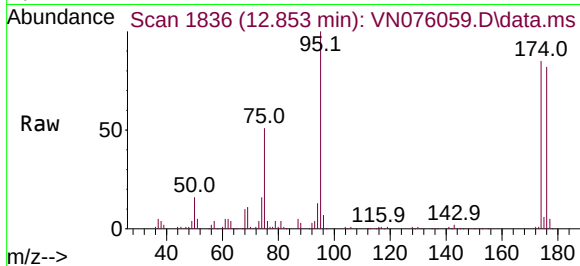




#62  
4-Bromofluorobenzene  
Concen: 46.228 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.000 min  
Lab File: VN076059.D  
Acq: 03 Jan 2023 13:26

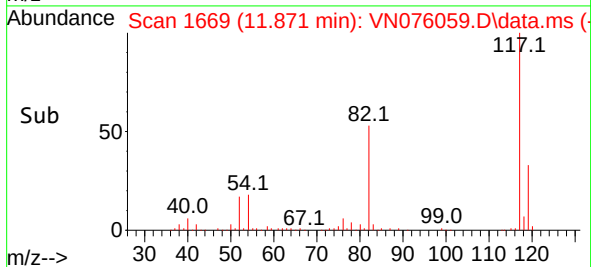
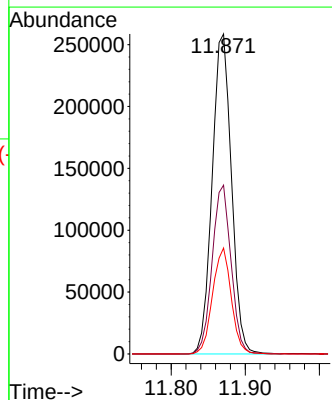
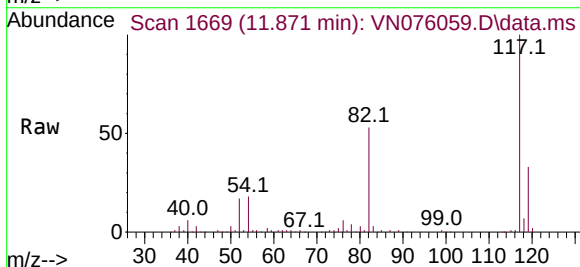
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0103WBL01

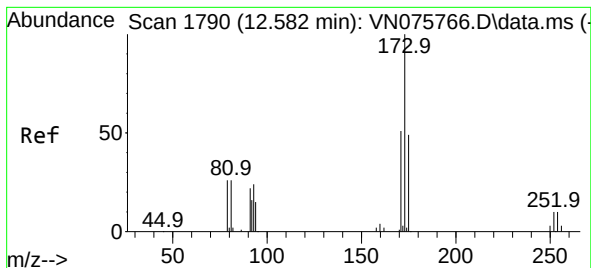
Tgt Ion: 95 Resp: 190972  
Ion Ratio Lower Upper  
95 100  
174 88.1 0.0 171.6  
176 84.6 0.0 169.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1669  
Delta R.T. 0.006 min  
Lab File: VN076059.D  
Acq: 03 Jan 2023 13:26

Tgt Ion: 117 Resp: 467270  
Ion Ratio Lower Upper  
117 100  
82 52.7 41.3 61.9  
119 33.1 24.6 37.0





#71

Bromoform

Concen: 0.651 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN076059.D

Acq: 03 Jan 2023 13:26

Instrument :

MSVOA\_N

ClientSampleId :

VN0103WBL01

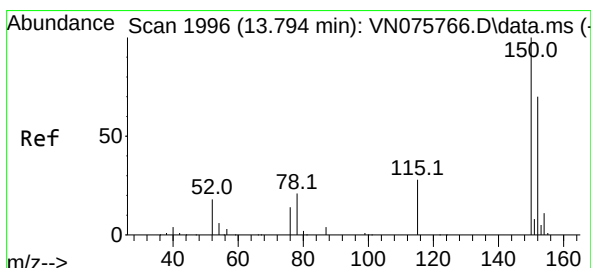
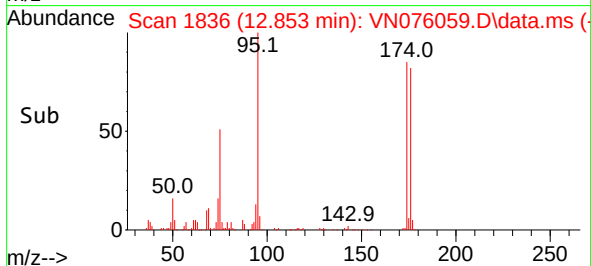
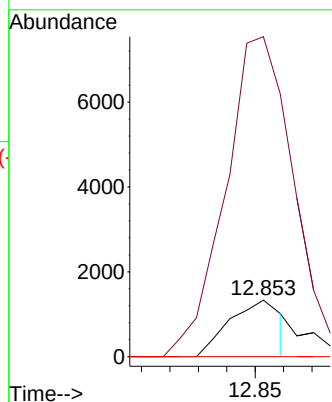
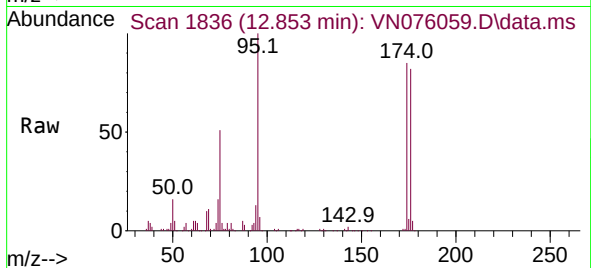
Tgt Ion:173 Resp: 1683

Ion Ratio Lower Upper

173 100

175 617.1 24.3 72.8#

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: VN076059.D

Acq: 03 Jan 2023 13:26

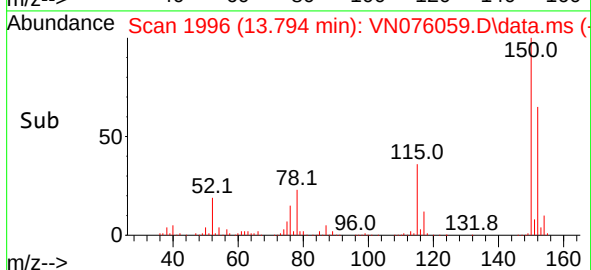
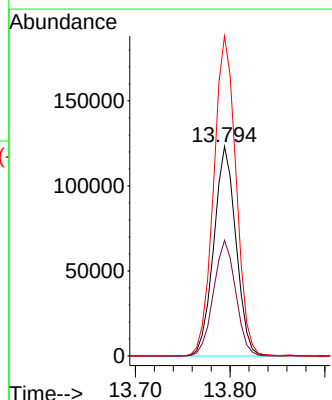
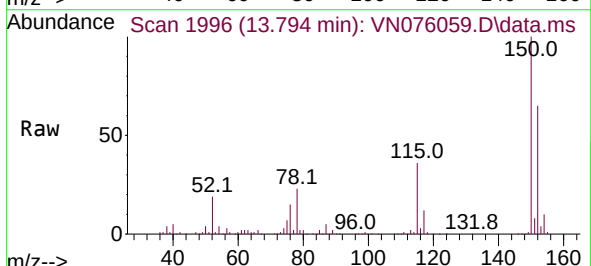
Tgt Ion:152 Resp: 200298

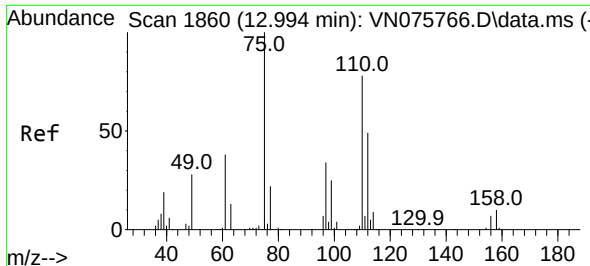
Ion Ratio Lower Upper

152 100

115 55.2 29.1 87.4

150 154.5 0.0 347.0

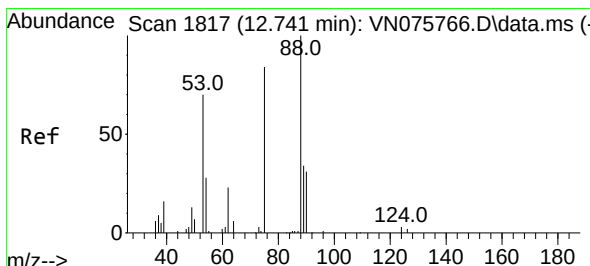
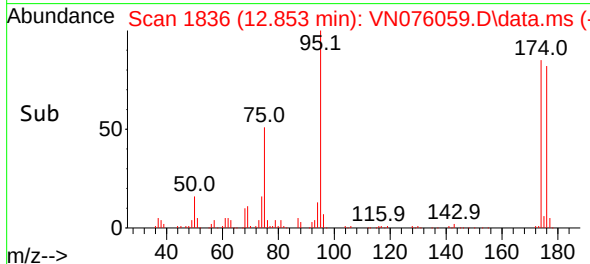
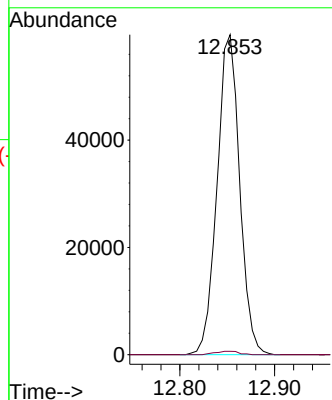
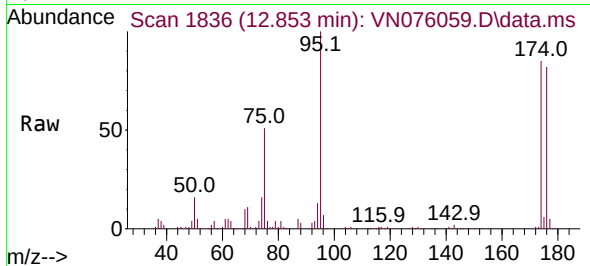




#76  
1,2,3-Trichloropropane  
Concen: 24.470 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. -0.141 min  
Lab File: VN076059.D  
Acq: 03 Jan 2023 13:26

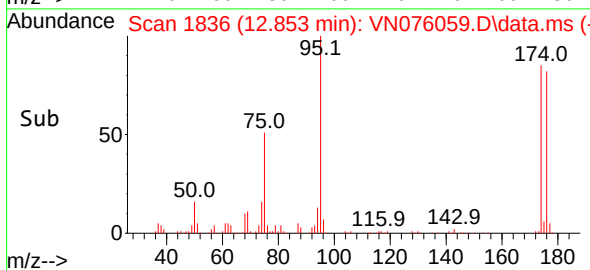
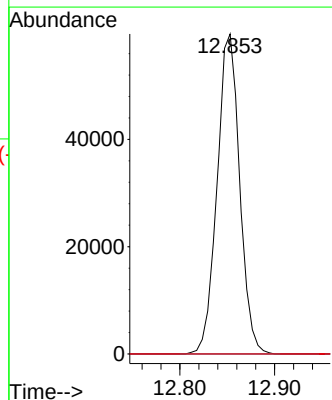
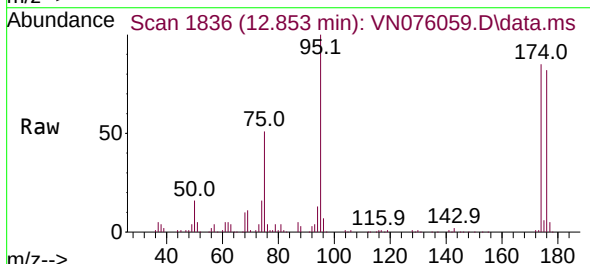
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0103WBL01

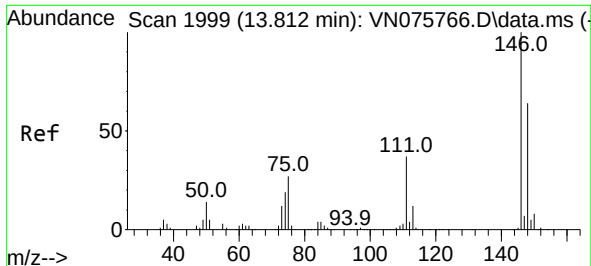
Tgt Ion: 75 Resp: 98797  
Ion Ratio Lower Upper  
75 100  
77 1.1 82.6 247.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 88.079 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.112 min  
Lab File: VN076059.D  
Acq: 03 Jan 2023 13:26

Tgt Ion: 75 Resp: 98797  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.8 110.6#  
89 0.0 39.5 59.3#

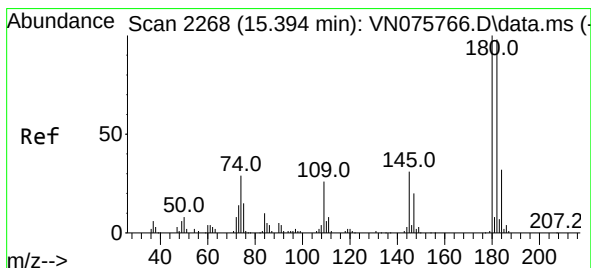
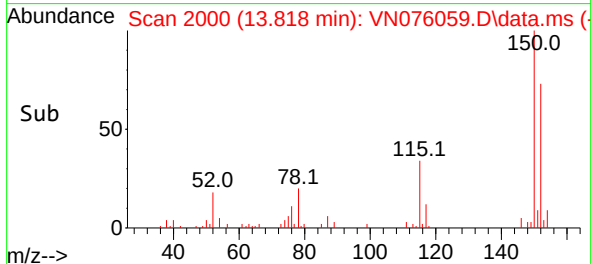
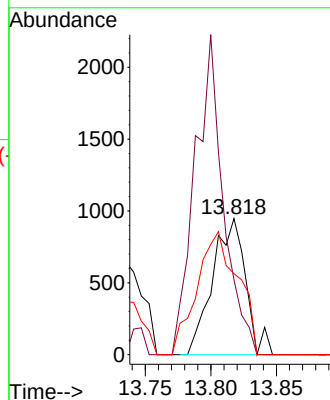
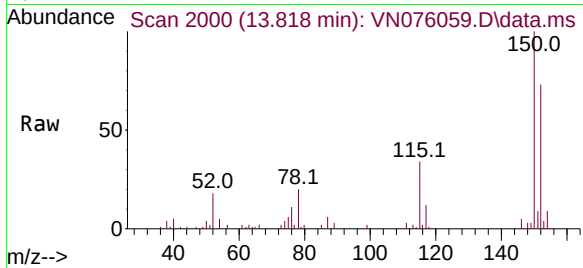




#88  
 1,4-Dichlorobenzene  
 Concen: 0.239 ug/l  
 RT: 13.818 min Scan# 20  
 Delta R.T. 0.006 min  
 Lab File: VN076059.D  
 Acq: 03 Jan 2023 13:26

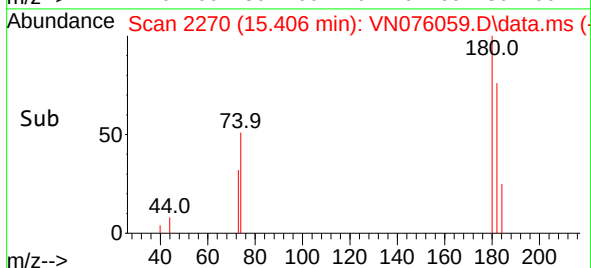
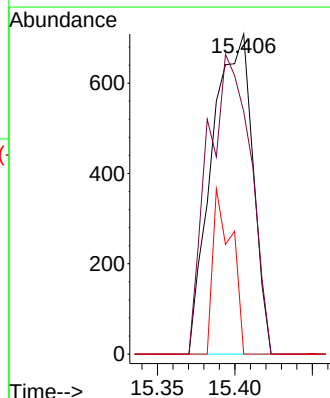
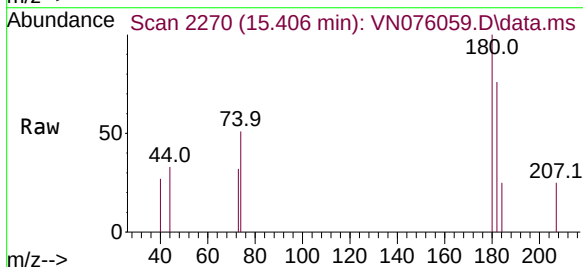
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0103WBL01

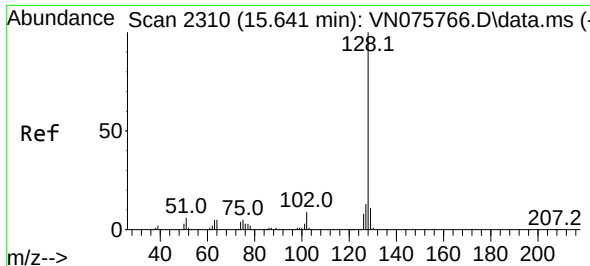
Tgt Ion:146 Resp: 1655  
 Ion Ratio Lower Upper  
 146 100  
 111 202.5 19.1 57.1#  
 148 112.3 32.0 96.2#



#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.392 ug/l  
 RT: 15.406 min Scan# 2270  
 Delta R.T. 0.012 min  
 Lab File: VN076059.D  
 Acq: 03 Jan 2023 13:26

Tgt Ion:180 Resp: 1293  
 Ion Ratio Lower Upper  
 180 100  
 182 98.1 47.5 142.5  
 145 24.1 15.3 45.8

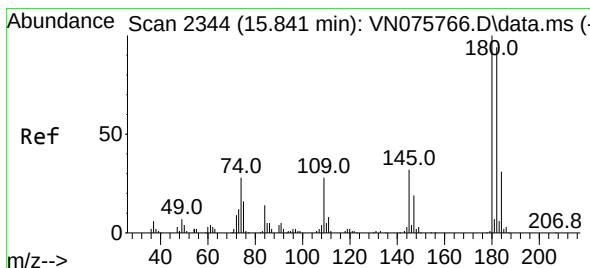
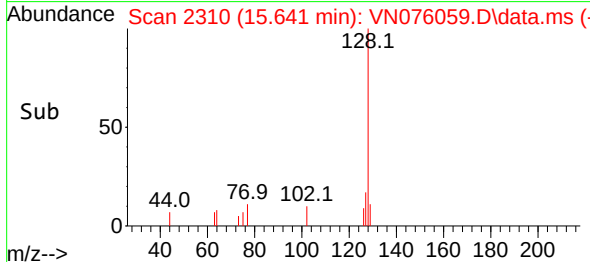
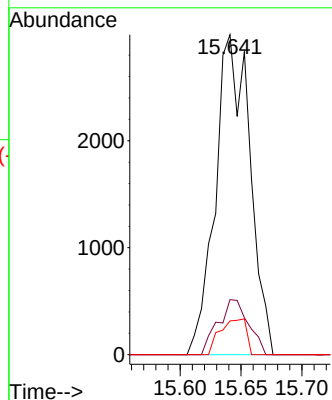
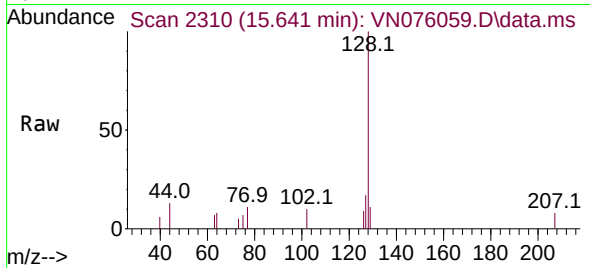




#95  
Naphthalene  
Concen: 2.694 ug/l  
RT: 15.641 min Scan# 2310  
Delta R.T. -0.000 min  
Lab File: VN076059.D  
Acq: 03 Jan 2023 13:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0103WBL01

Tgt Ion:128 Resp: 5881  
Ion Ratio Lower Upper  
128 100  
127 15.3 10.4 15.6  
129 8.5 8.7 13.1#



#96  
1,2,3-Trichlorobenzene  
Concen: 0.422 ug/l  
RT: 15.841 min Scan# 2344  
Delta R.T. 0.000 min  
Lab File: VN076059.D  
Acq: 03 Jan 2023 13:26

Tgt Ion:180 Resp: 1303  
Ion Ratio Lower Upper  
180 100  
182 86.3 47.0 141.0  
145 22.9 16.0 47.9

