

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121622\  
 Data File : VN075850.D  
 Acq On : 16 Dec 2022 16:14  
 Operator : JC\MD  
 Sample : N6076-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-2

Quant Time: Dec 17 08:41:13 2022  
 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      | 8.235  | 168  | 358434   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 569561   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.870 | 117  | 488160   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 207131   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65    | 186813   | 47.908   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 95.820% |
| 35) Dibromofluoromethane    | 8.177  | 113   | 167312   | 47.435   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 94.860% |
| 50) Toluene-d8              | 10.571 | 98    | 652391   | 49.469   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 98.940% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 203156   | 46.511   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 93.020% |

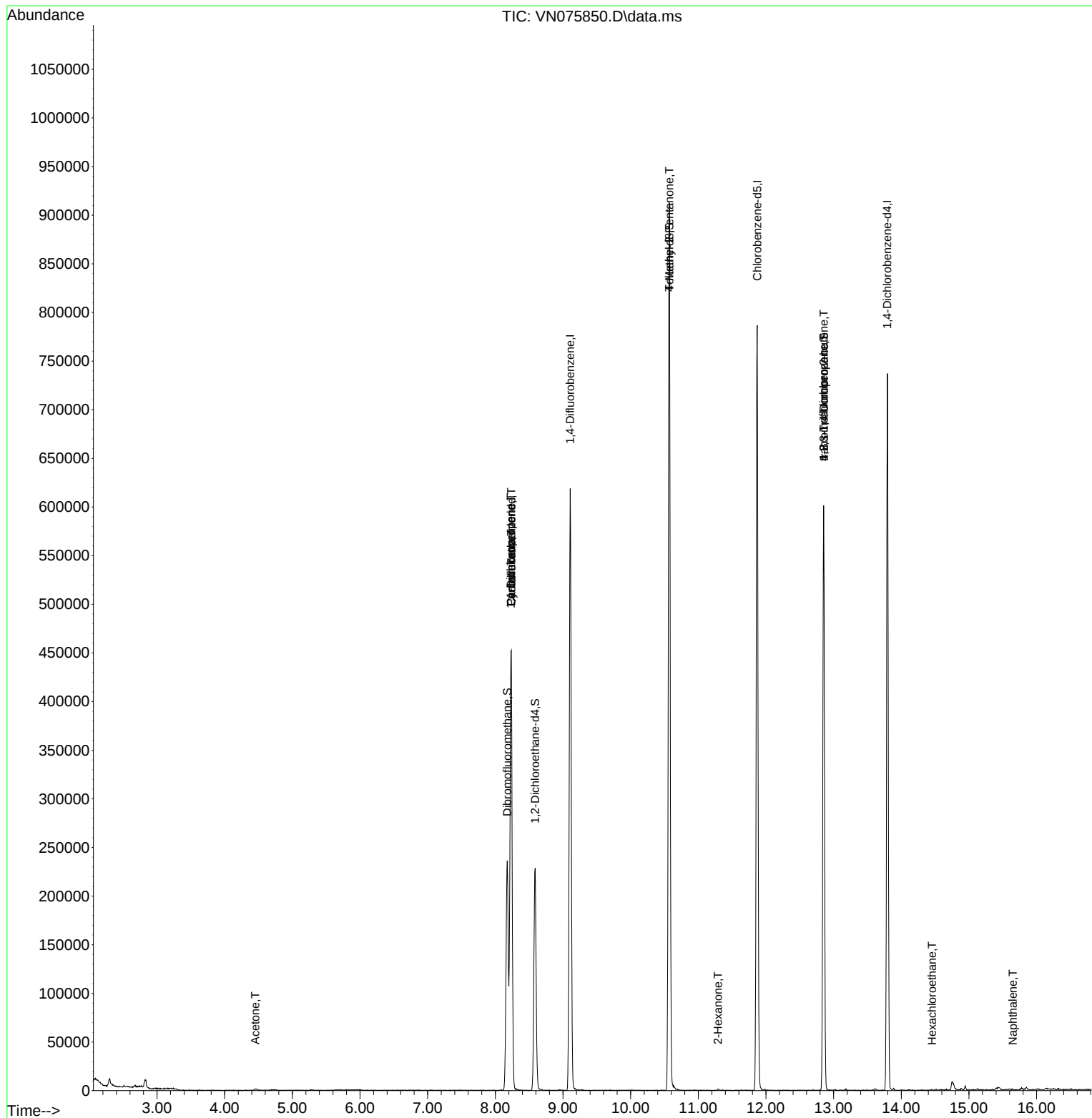
|                               |        |     |        |           |        |    |
|-------------------------------|--------|-----|--------|-----------|--------|----|
| Target Compounds              |        |     | Qvalue |           |        |    |
| 16) Acetone                   | 4.453  | 43  | 2527   | 1.880     | ug/l # | 87 |
| 20) Methylene Chloride        | 5.306  | 84  | 60     | Below Cal | #      | 36 |
| 31) Cyclohexane               | 8.235  | 56  | 6975   | 1.249     | ug/l # | 14 |
| 36) 1,1-Dichloropropene       | 8.230  | 75  | 25326  | 5.405     | ug/l # | 49 |
| 38) Carbon Tetrachloride      | 8.235  | 117 | 34968  | 6.668     | ug/l # | 16 |
| 51) 4-Methyl-2-Pentanone      | 10.571 | 43  | 2434   | 0.648     | ug/l # | 1  |
| 59) 2-Hexanone                | 11.288 | 43  | 1129   | 0.412     | ug/l # | 20 |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75  | 104741 | 25.086    | ug/l # | 1  |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75  | 104741 | 90.297    | ug/l # | 12 |
| 90) Hexachloroethane          | 14.453 | 117 | 510    | 0.225     | ug/l # | 11 |
| 95) Naphthalene               | 15.647 | 128 | 1054   | 2.267     | ug/l # | 69 |

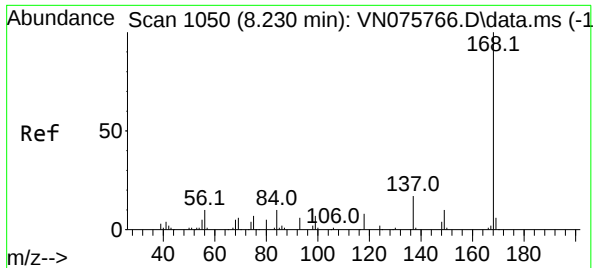
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MW-2

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

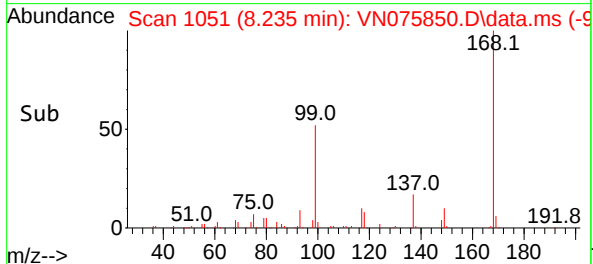
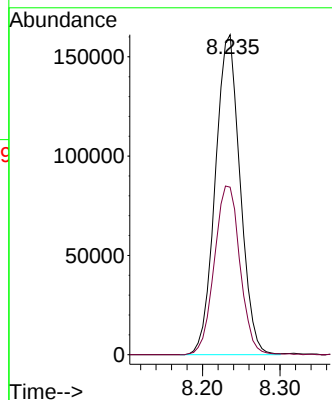
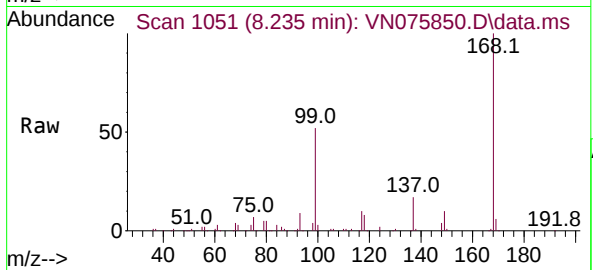




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.235 min Scan# 1051  
Delta R.T. 0.005 min  
Lab File: VN075850.D  
Acq: 16 Dec 2022 16:14

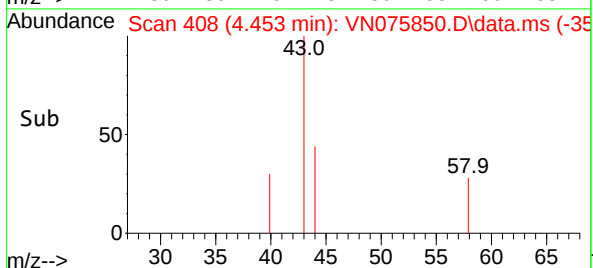
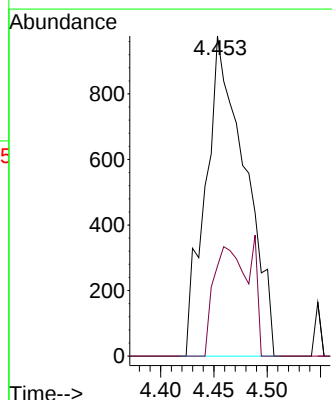
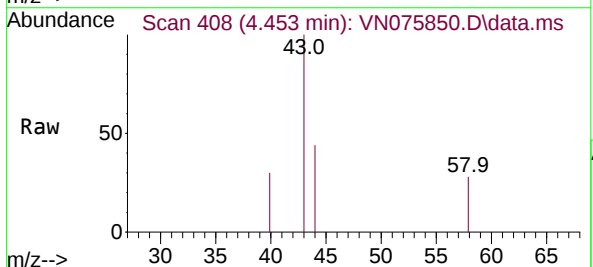
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2

Tgt Ion:168 Resp: 358434  
Ion Ratio Lower Upper  
168 100  
99 52.3 44.2 66.4



#16  
Acetone  
Concen: 1.880 ug/l  
RT: 4.453 min Scan# 408  
Delta R.T. 0.012 min  
Lab File: VN075850.D  
Acq: 16 Dec 2022 16:14

Tgt Ion: 43 Resp: 2527  
Ion Ratio Lower Upper  
43 100  
58 28.1 28.6 43.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.306 min Scan# 51

Delta R.T. 0.017 min

Lab File: VN075850.D

Acq: 16 Dec 2022 16:14

Instrument :

MSVOA\_N

ClientSampleId :

MW-2

Tgt Ion: 84 Resp: 60

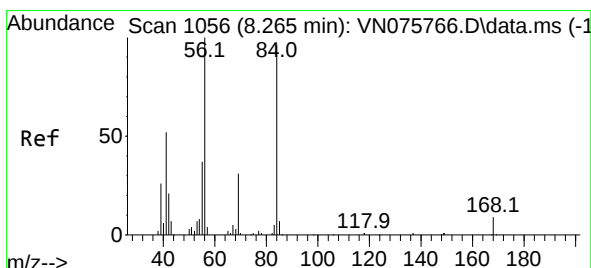
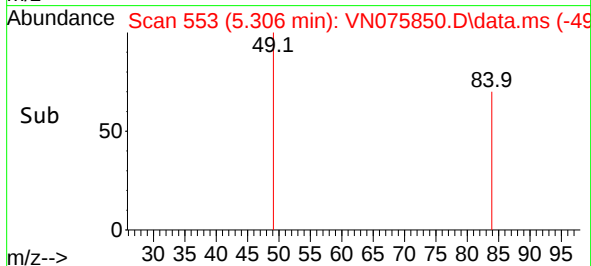
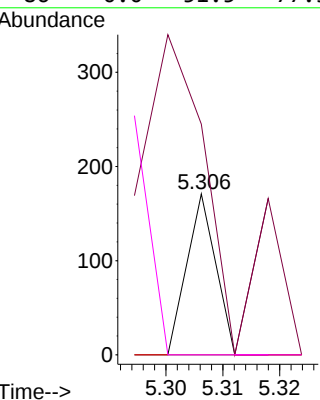
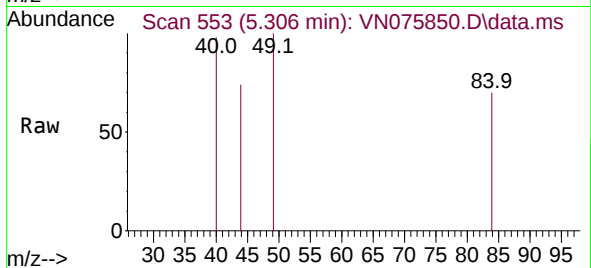
Ion Ratio Lower Upper

84 100

49 46.2 81.8 122.6#

51 0.0 26.7 40.1#

86 0.0 51.5 77.3#



#31

Cyclohexane

Concen: 1.249 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.029 min

Lab File: VN075850.D

Acq: 16 Dec 2022 16:14

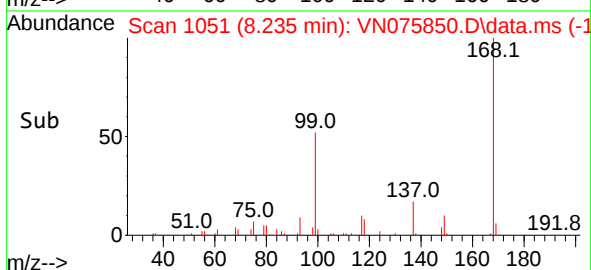
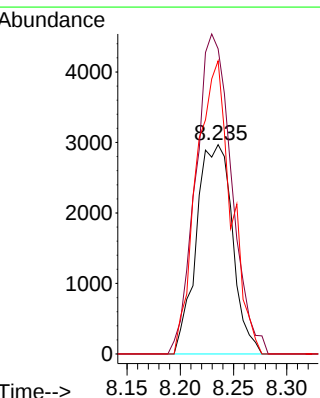
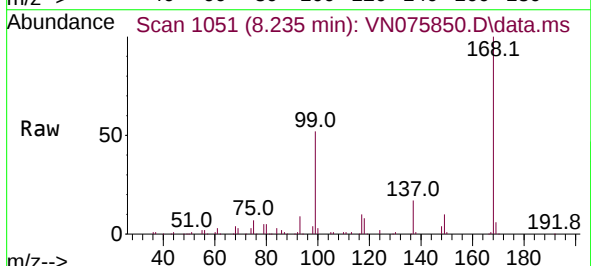
Tgt Ion: 56 Resp: 6975

Ion Ratio Lower Upper

56 100

69 145.9 24.7 37.1#

84 140.1 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 47.908 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN075850.D

Acq: 16 Dec 2022 16:14

Instrument :

MSVOA\_N

ClientSampleId :

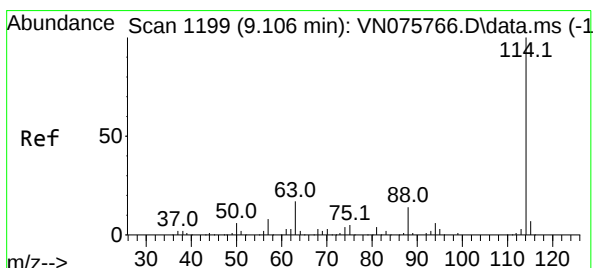
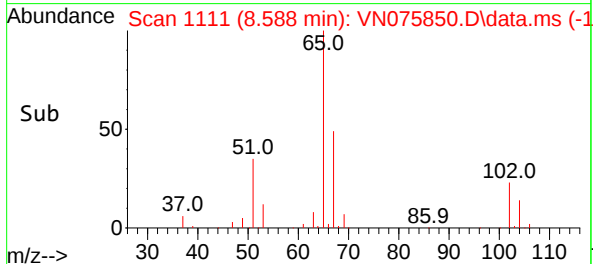
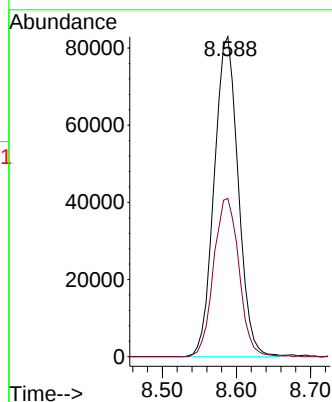
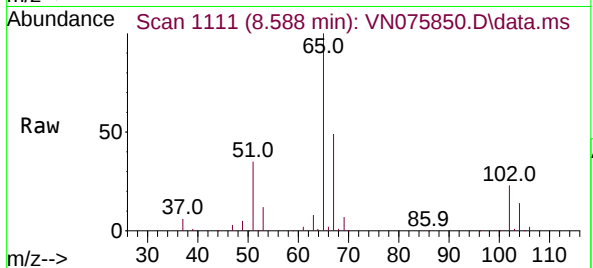
MW-2

Tgt Ion: 65 Resp: 186813

Ion Ratio Lower Upper

65 100

67 52.4 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: VN075850.D

Acq: 16 Dec 2022 16:14

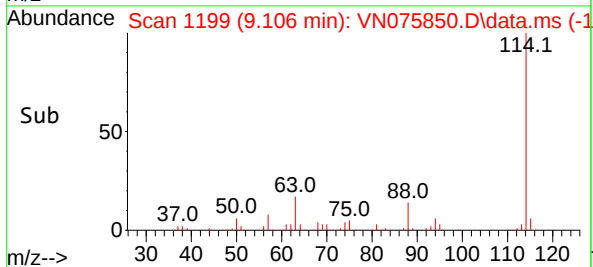
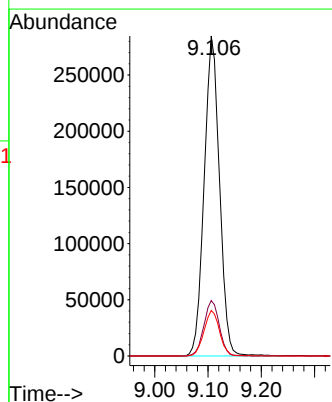
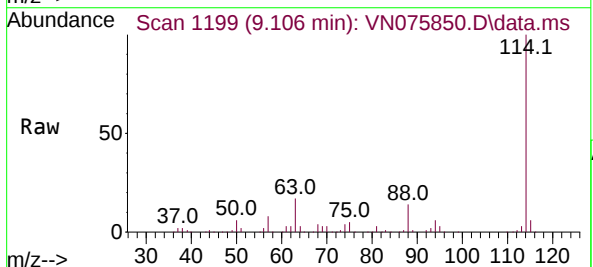
Tgt Ion: 114 Resp: 569561

Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.4

88 14.2 0.0 28.8





#35

Dibromofluoromethane

Concen: 47.435 ug/l

RT: 8.177 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN075850.D

Acq: 16 Dec 2022 16:14

Instrument :

MSVOA\_N

ClientSampleId :

MW-2

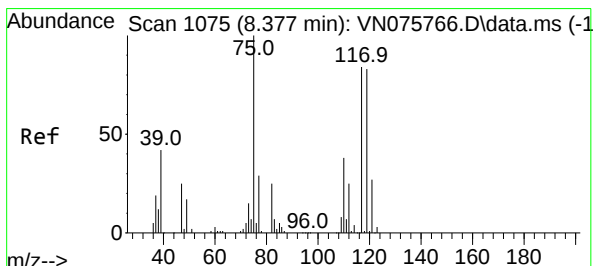
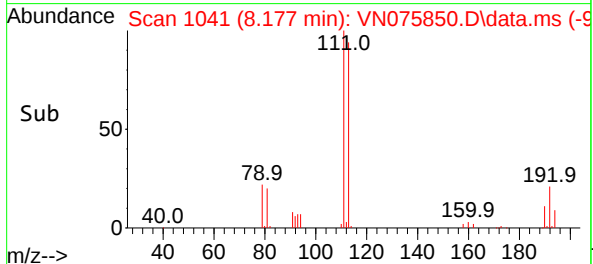
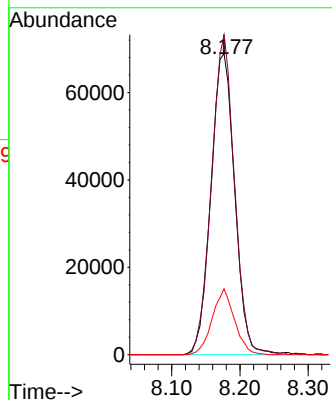
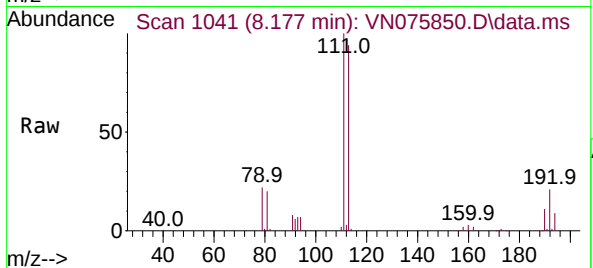
Tgt Ion:113 Resp: 167312

Ion Ratio Lower Upper

113 100

111 102.6 83.4 125.2

192 20.5 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.405 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075850.D

Acq: 16 Dec 2022 16:14

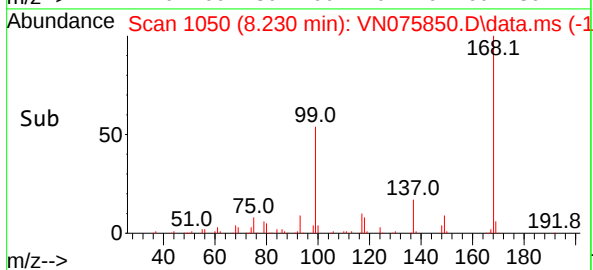
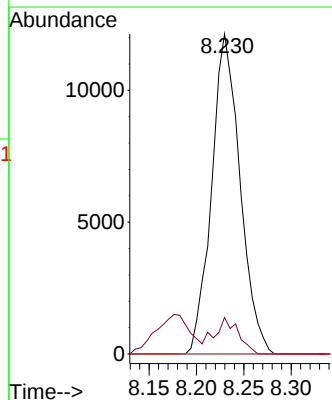
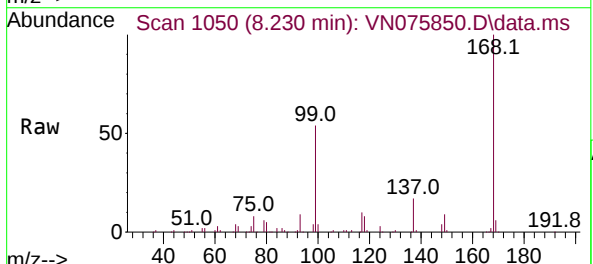
Tgt Ion: 75 Resp: 25326

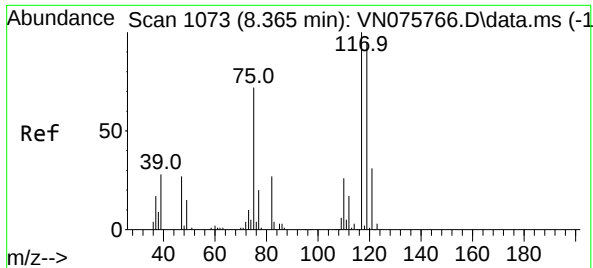
Ion Ratio Lower Upper

75 100

110 9.5 18.8 56.4#

77 0.0 24.1 36.1#

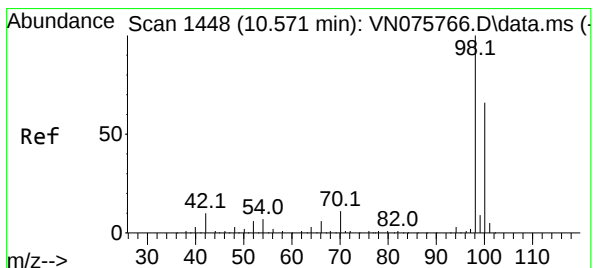
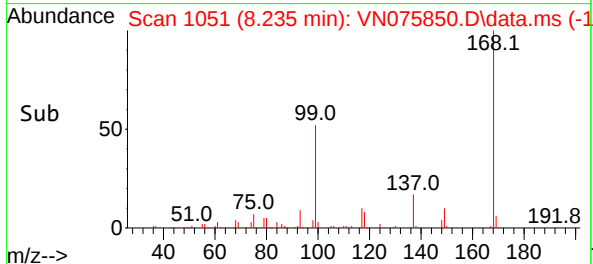
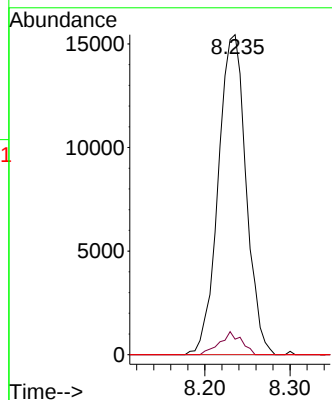
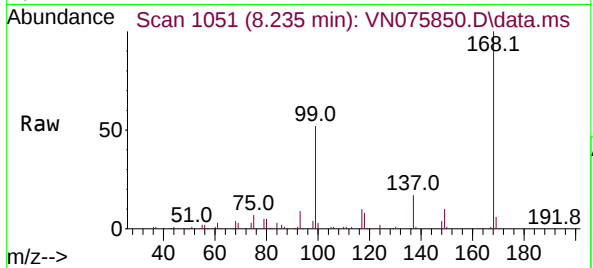




#38  
Carbon Tetrachloride  
Concen: 6.668 ug/l  
RT: 8.235 min Scan# 1051  
Delta R.T. -0.129 min  
Lab File: VN075850.D  
Acq: 16 Dec 2022 16:14

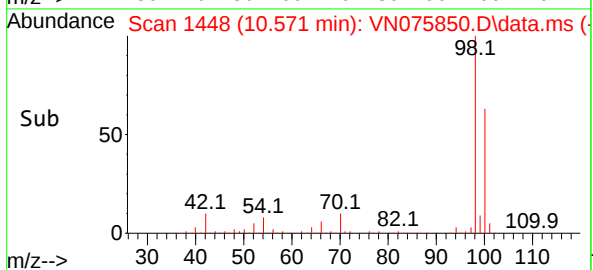
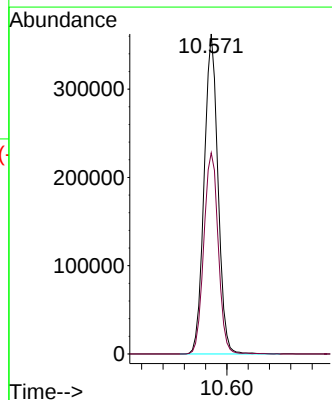
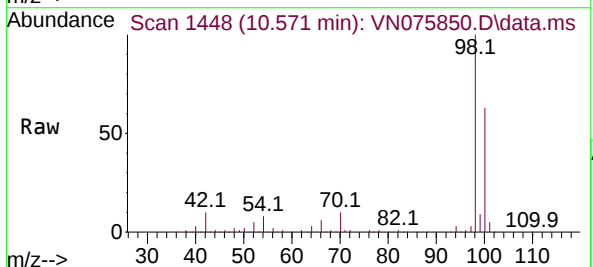
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2

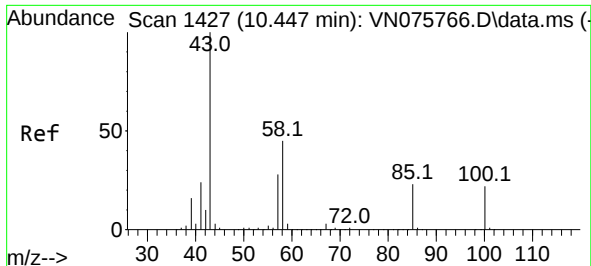
Tgt Ion:117 Resp: 34968  
Ion Ratio Lower Upper  
117 100  
119 4.9 76.1 114.1#  
121 0.0 24.5 36.7#



#50  
Toluene-d8  
Concen: 49.469 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: VN075850.D  
Acq: 16 Dec 2022 16:14

Tgt Ion: 98 Resp: 652391  
Ion Ratio Lower Upper  
98 100  
100 65.4 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 0.648 ug/l

RT: 10.571 min Scan# 14

Delta R.T. 0.123 min

Lab File: VN075850.D

Acq: 16 Dec 2022 16:14

Instrument :

MSVOA\_N

ClientSampleId :

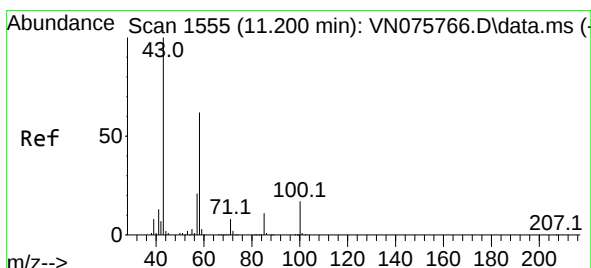
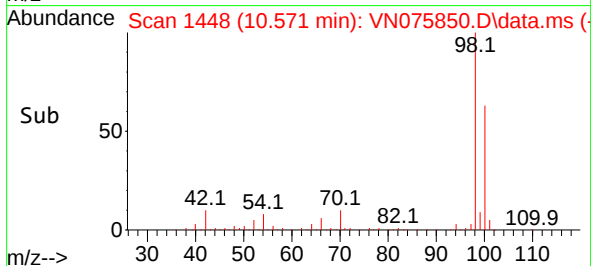
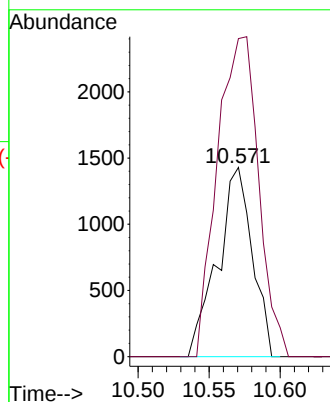
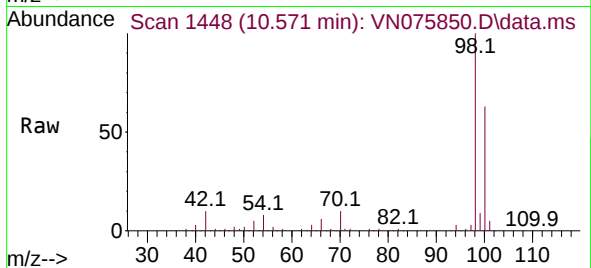
MW-2

Tgt Ion: 43 Resp: 2434

Ion Ratio Lower Upper

43 100

58 200.6 35.5 53.3#



#59

2-Hexanone

Concen: 0.412 ug/l

RT: 11.288 min Scan# 1570

Delta R.T. 0.088 min

Lab File: VN075850.D

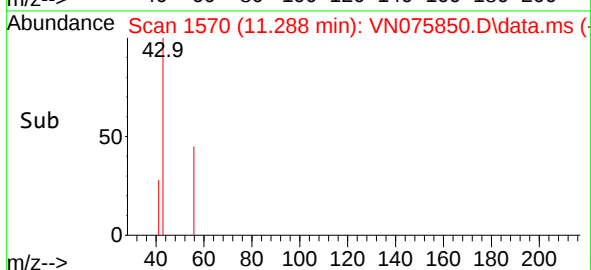
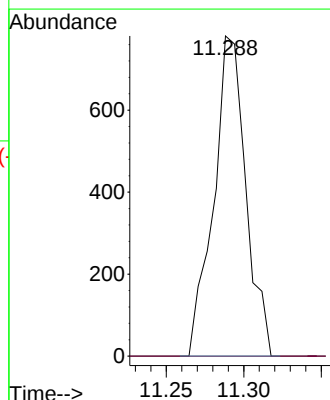
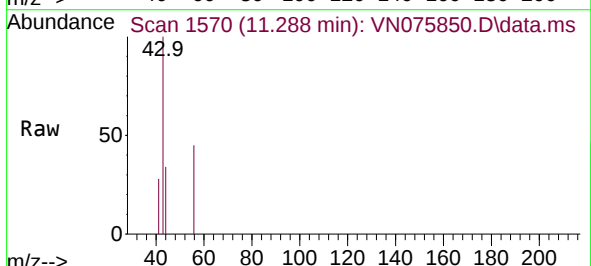
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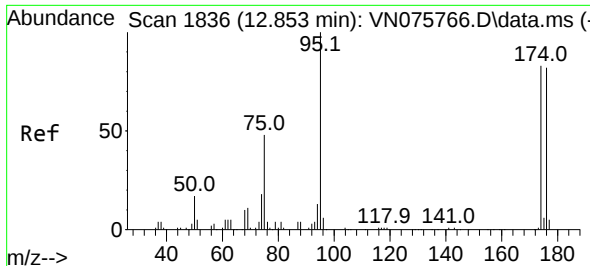
Tgt Ion: 43 Resp: 1129

Ion Ratio Lower Upper

43 100

58 0.0 30.6 92.0#

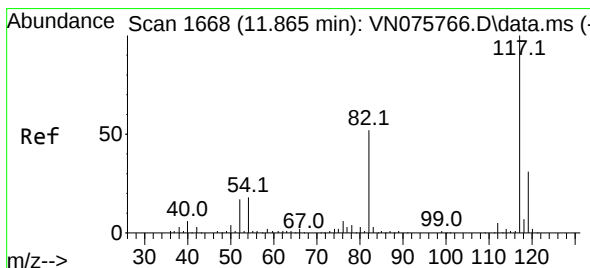
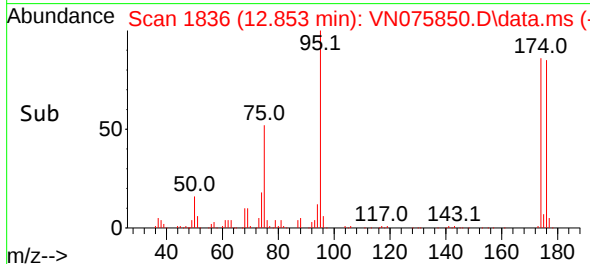
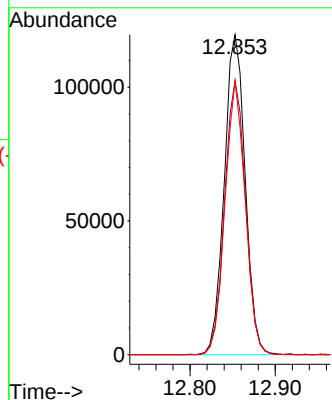
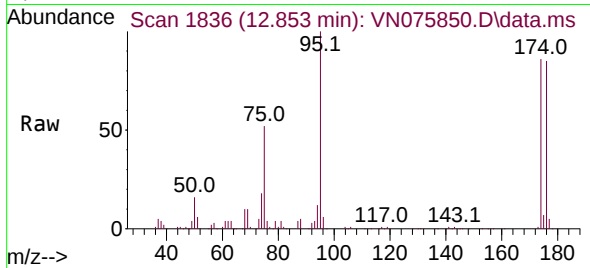




#62  
4-Bromofluorobenzene  
Concen: 46.511 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. -0.000 min  
Lab File: VN075850.D  
Acq: 16 Dec 2022 16:14

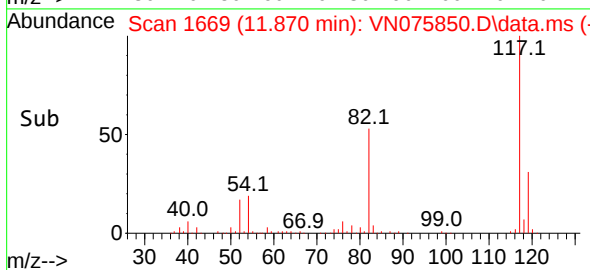
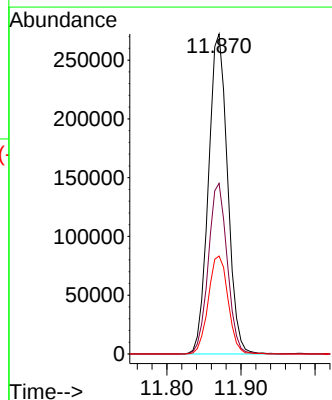
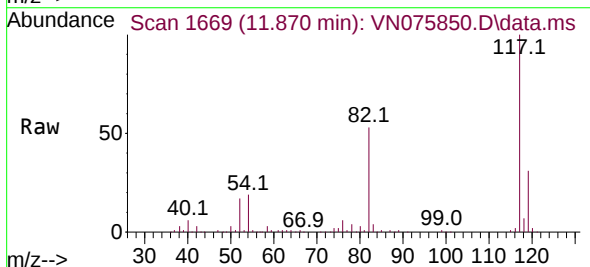
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2

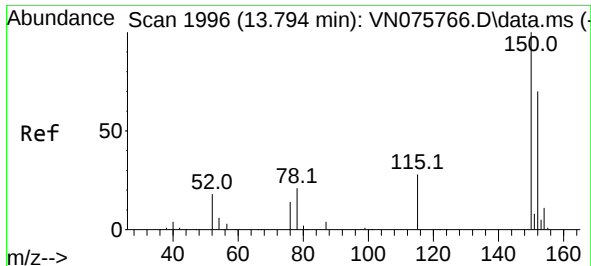
Tgt Ion: 95 Resp: 203156  
Ion Ratio Lower Upper  
95 100  
174 86.7 0.0 171.6  
176 82.8 0.0 169.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1669  
Delta R.T. 0.006 min  
Lab File: VN075850.D  
Acq: 16 Dec 2022 16:14

Tgt Ion: 117 Resp: 488160  
Ion Ratio Lower Upper  
117 100  
82 53.3 41.3 61.9  
119 30.6 24.6 37.0

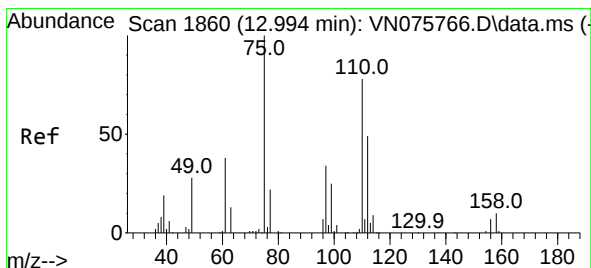
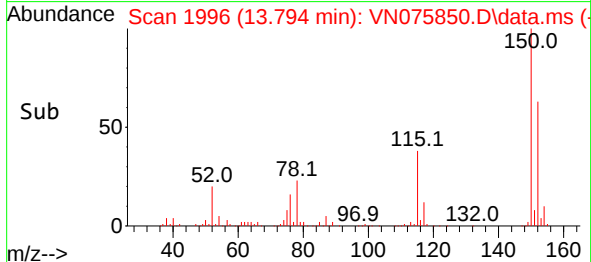
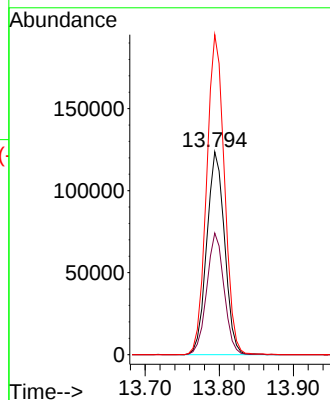
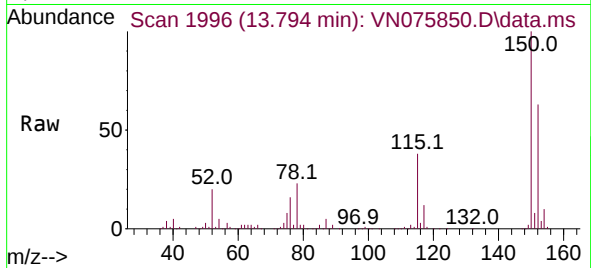




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 1996  
 Delta R.T. -0.000 min  
 Lab File: VN075850.D  
 Acq: 16 Dec 2022 16:14

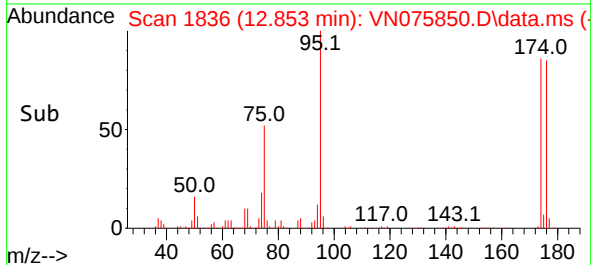
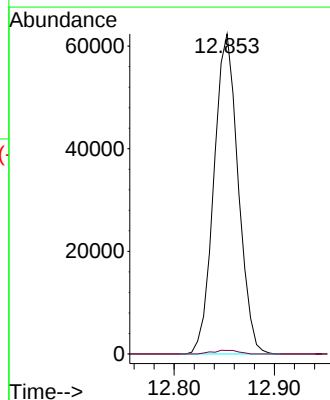
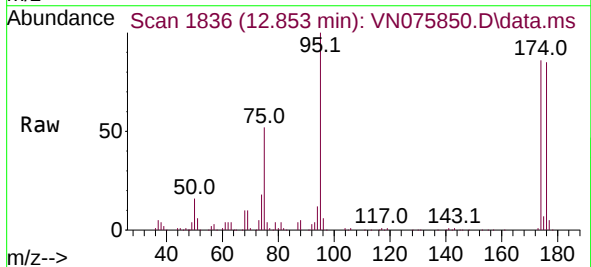
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-2

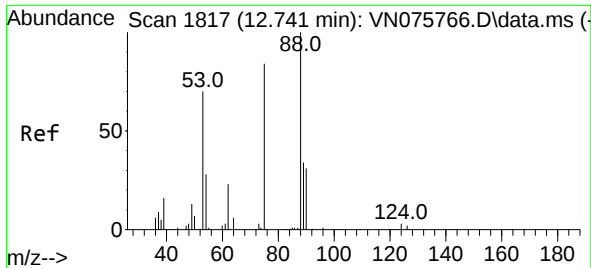
Tgt Ion:152 Resp: 207131  
 Ion Ratio Lower Upper  
 152 100  
 115 58.3 29.1 87.4  
 150 157.4 0.0 347.0



#76  
 1,2,3-Trichloropropane  
 Concen: 25.086 ug/l  
 RT: 12.853 min Scan# 1836  
 Delta R.T. -0.141 min  
 Lab File: VN075850.D  
 Acq: 16 Dec 2022 16:14

Tgt Ion: 75 Resp: 104741  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 82.6 247.8#

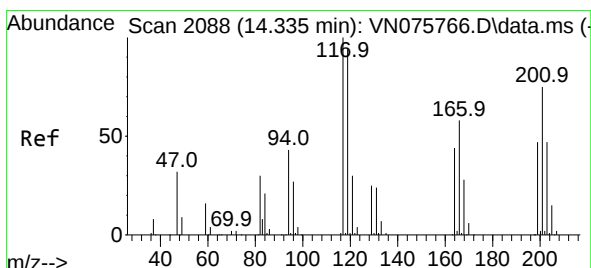
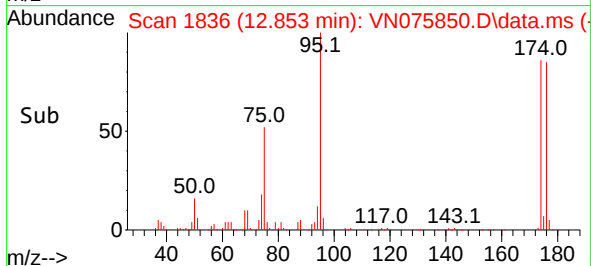
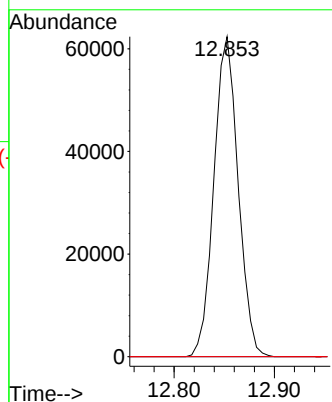
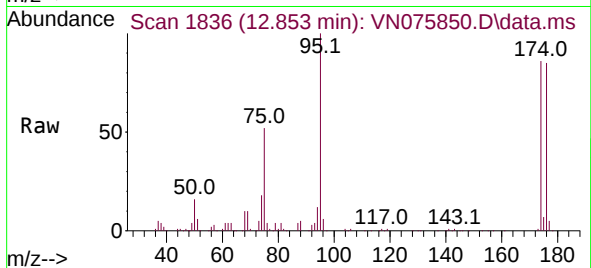




#81  
trans-1,4-Dichloro-2-butene  
Concen: 90.297 ug/l  
RT: 12.853 min Scan# 11  
Delta R.T. 0.112 min  
Lab File: VN075850.D  
Acq: 16 Dec 2022 16:14

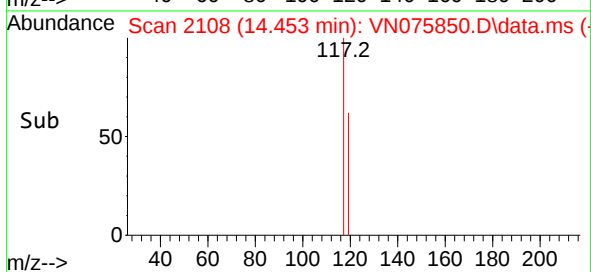
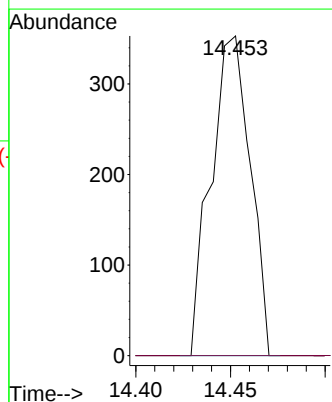
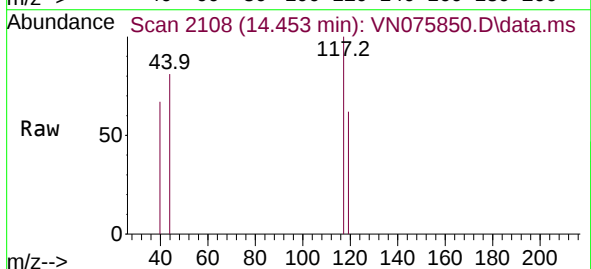
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2

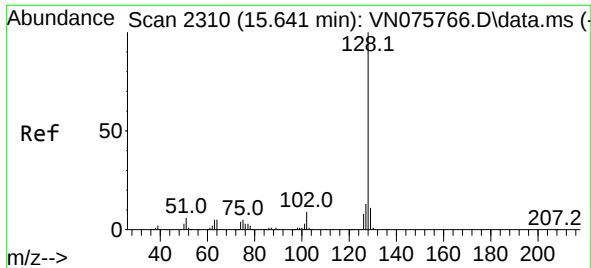
Tgt Ion: 75 Resp: 104741  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.8 110.6#  
89 0.0 39.5 59.3#



#90  
Hexachloroethane  
Concen: 0.225 ug/l  
RT: 14.453 min Scan# 2108  
Delta R.T. 0.118 min  
Lab File: VN075850.D  
Acq: 16 Dec 2022 16:14

Tgt Ion: 117 Resp: 510  
Ion Ratio Lower Upper  
117 100  
201 0.0 38.0 114.1#





#95

Naphthalene

Concen: 2.267 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN075850.D

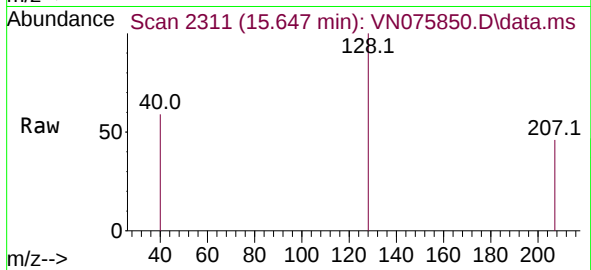
Acq: 16 Dec 2022 16:14

Instrument :

MSVOA\_N

ClientSampleId :

MW-2



Tgt Ion:128 Resp: 1054

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#

