

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121522\  
 Data File : VN075821.D  
 Acq On : 15 Dec 2022 16:35  
 Operator : JC\MD  
 Sample : N6004-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RW9-PT-IN03-12092022

Quant Time: Dec 16 03:10:45 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

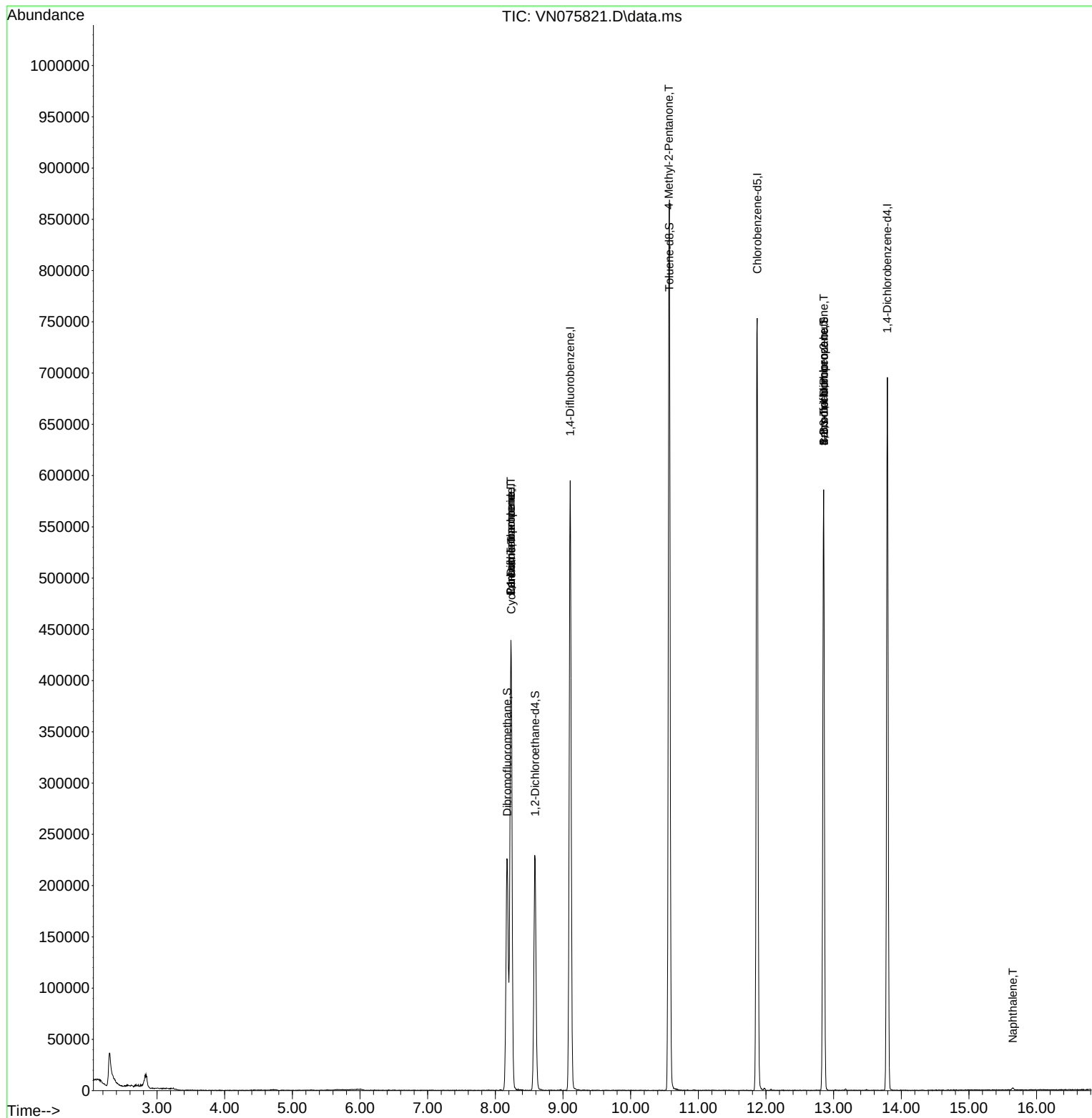
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 8.230          | 168  | 341741     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106          | 114  | 544892     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.871         | 117  | 471165     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794         | 152  | 200326     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.588          | 65   | 182252     | 49.021    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = | 98.040%   |        |          |
| 35) Dibromofluoromethane      | 8.177          | 113  | 164894     | 48.866    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 97.740%   |        |          |
| 50) Toluene-d8                | 10.571         | 98   | 630700     | 49.990    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = | 99.980%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.853         | 95   | 195857     | 46.870    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 93.740%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
| 20) Methylene Chloride        | 5.271          | 84   | 174        | Below Cal | #      | 12       |
| 31) Cyclohexane               | 8.235          | 56   | 6584       | 1.237     | ug/l # | 9        |
| 36) 1,1-Dichloropropene       | 8.230          | 75   | 23699      | 5.287     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 8.230          | 117  | 33154      | 6.608     | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.565         | 43   | 2196       | 0.611     | ug/l # | 1        |
| 71) Bromoform                 | 12.853         | 173  | 1348       | 0.517     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.853         | 75   | 98304      | 24.344    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.853         | 75   | 98304      | 87.627    | ug/l # | 12       |
| 95) Naphthalene               | 15.647         | 128  | 2490       | 2.396     | ug/l # | 86       |
| -----                         |                |      |            |           |        |          |

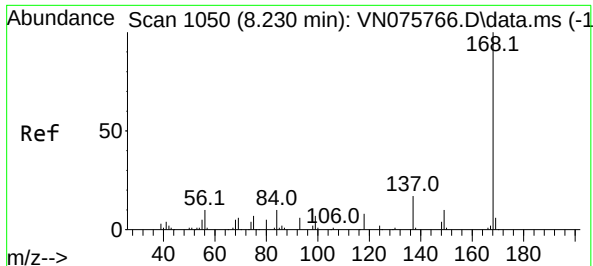
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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RW9-PT-IN03-12092022

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Quant Title : SW846 8260  
QLast Update : Wed Dec 14 13:03:41 2022  
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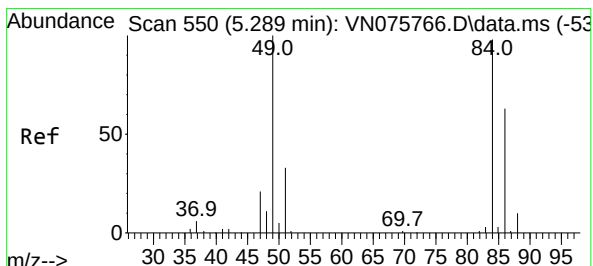
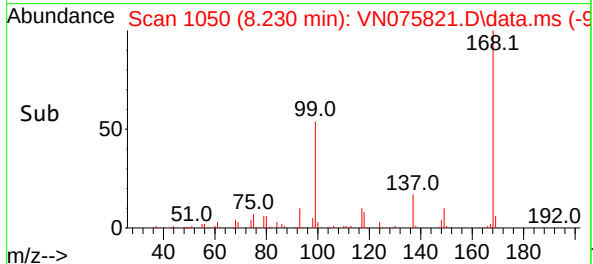
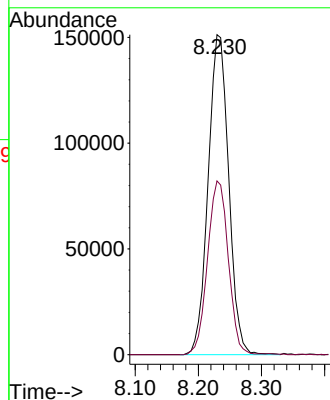
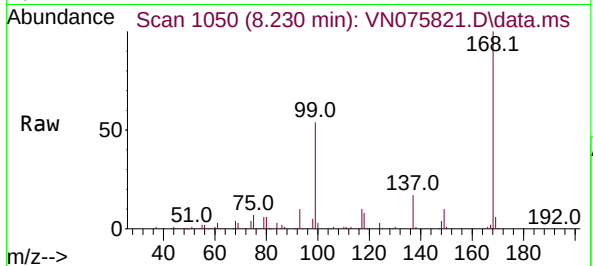




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 10  
Delta R.T. -0.000 min  
Lab File: VN075821.D  
Acq: 15 Dec 2022 16:35

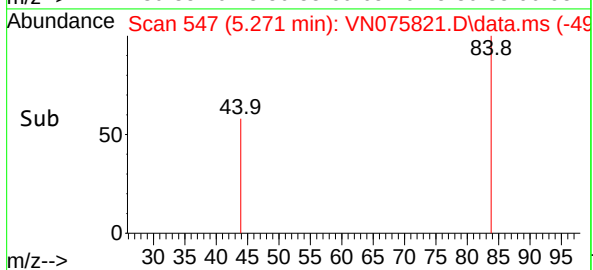
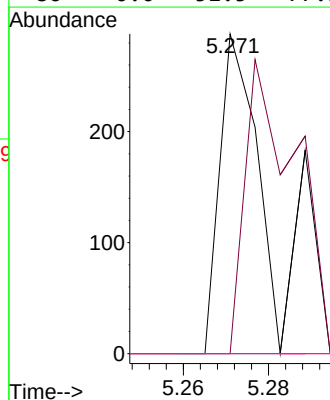
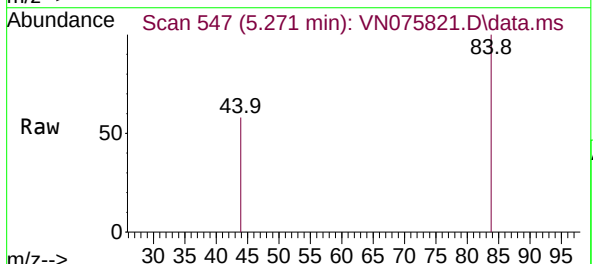
Instrument :  
MSVOA\_N  
ClientSampleId :  
RW9-PT-IN03-12092022

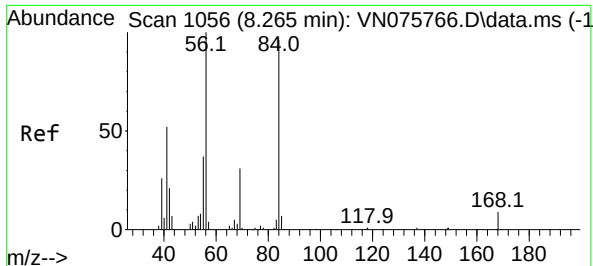
Tgt Ion:168 Resp: 341741  
Ion Ratio Lower Upper  
168 100  
99 54.3 44.2 66.4



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 5.271 min Scan# 547  
Delta R.T. -0.018 min  
Lab File: VN075821.D  
Acq: 15 Dec 2022 16:35

Tgt Ion: 84 Resp: 174  
Ion Ratio Lower Upper  
84 100  
49 0.0 81.8 122.6#  
51 0.0 26.7 40.1#  
86 0.0 51.5 77.3#





#31

Cyclohexane

Concen: 1.237 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.029 min

Lab File: VN075821.D

Acq: 15 Dec 2022 16:35

Instrument :

MSVOA\_N

ClientSampleId :

RW9-PT-IN03-12092022

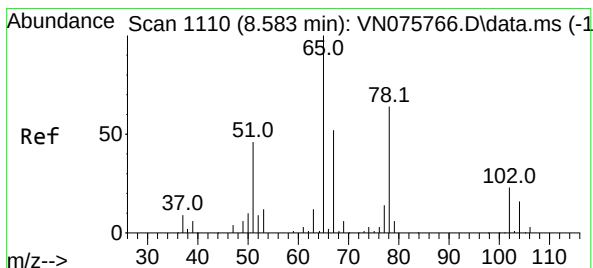
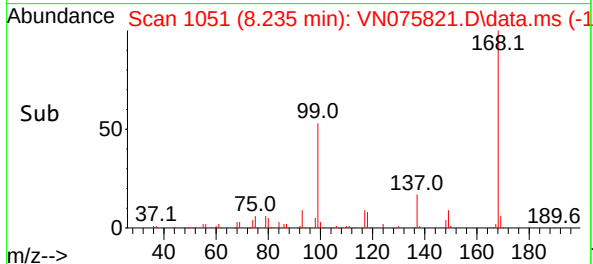
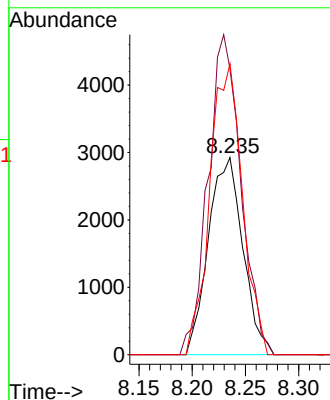
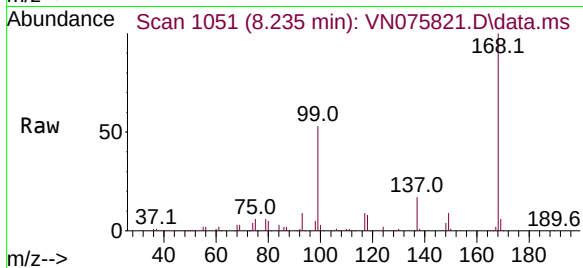
Tgt Ion: 56 Resp: 6584

Ion Ratio Lower Upper

56 100

69 144.9 24.7 37.1#

84 147.7 76.5 114.7#



#33

1,2-Dichloroethane-d4

Concen: 49.021 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN075821.D

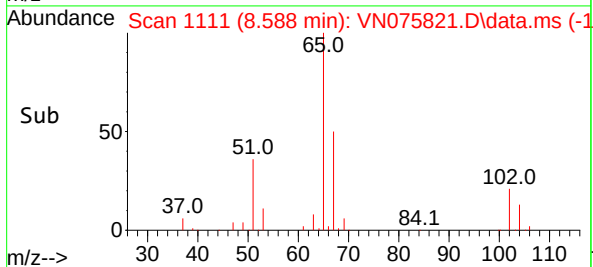
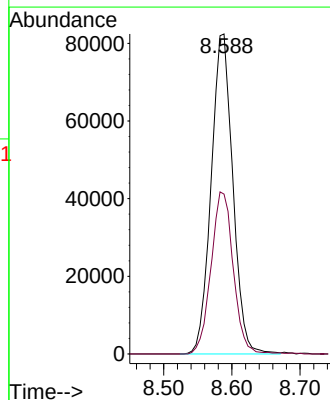
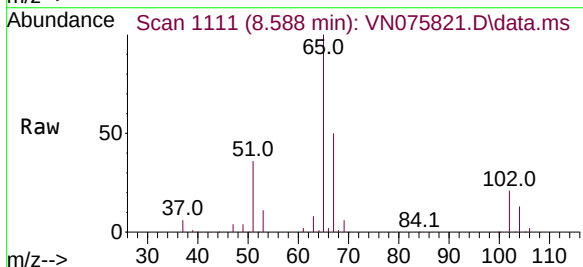
Acq: 15 Dec 2022 16:35

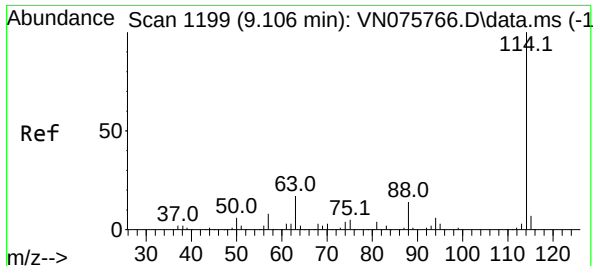
Tgt Ion: 65 Resp: 182252

Ion Ratio Lower Upper

65 100

67 52.0 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: VN075821.D

Acq: 15 Dec 2022 16:35

Instrument :

MSVOA\_N

ClientSampleId :

RW9-PT-IN03-12092022

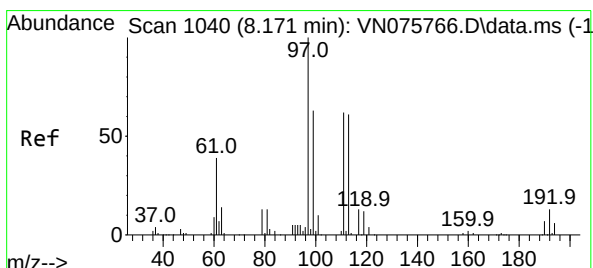
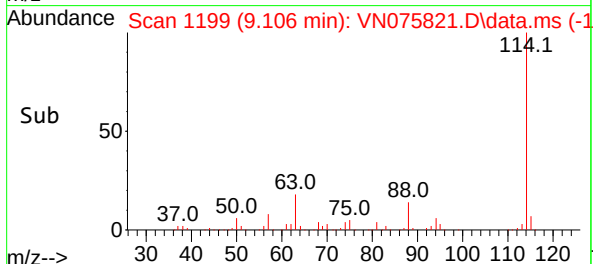
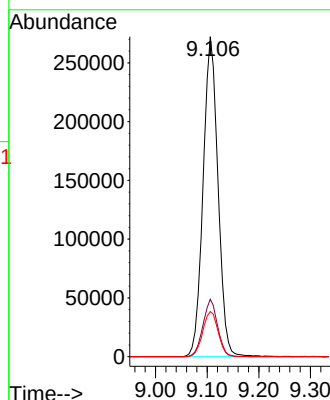
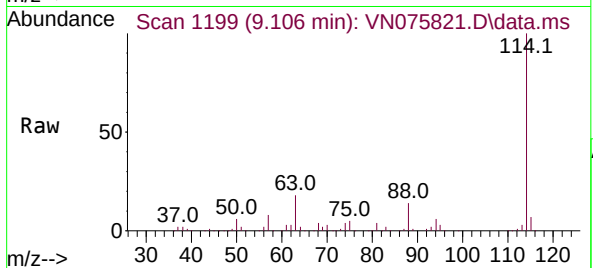
Tgt Ion:114 Resp: 544892

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.4

88 14.1 0.0 28.8



#35

Dibromofluoromethane

Concen: 48.866 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075821.D

Acq: 15 Dec 2022 16:35

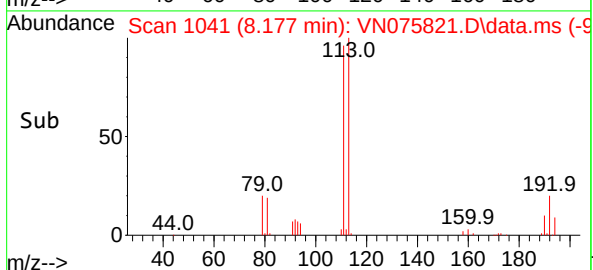
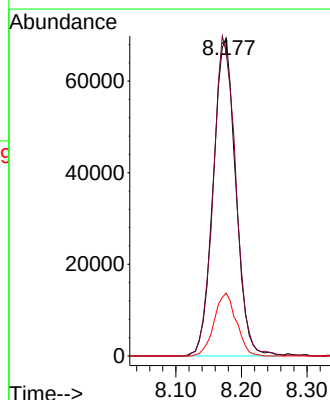
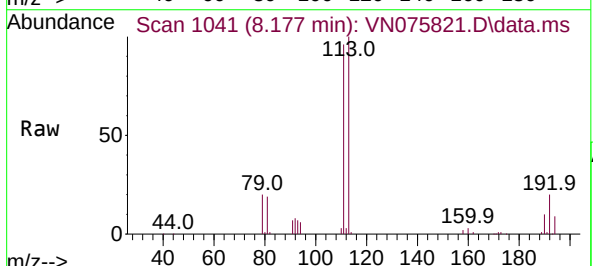
Tgt Ion:113 Resp: 164894

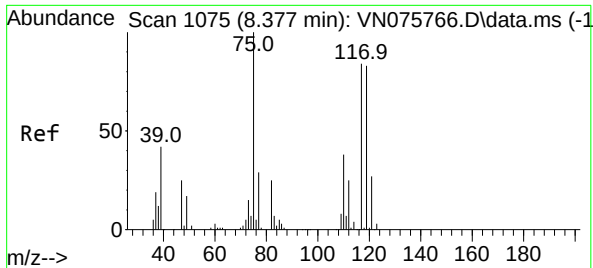
Ion Ratio Lower Upper

113 100

111 100.8 83.4 125.2

192 19.5 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.287 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075821.D

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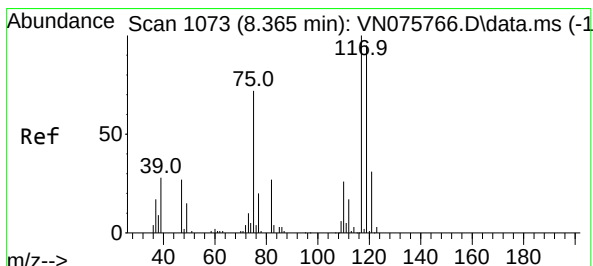
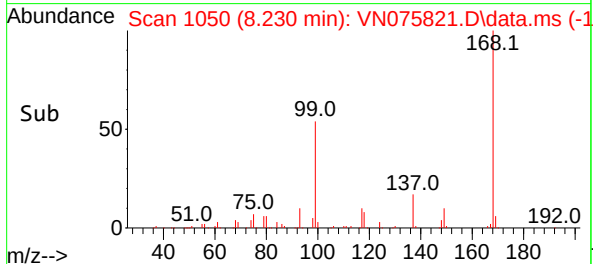
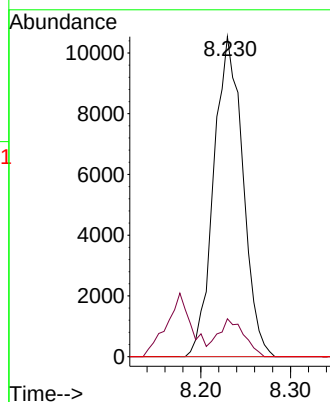
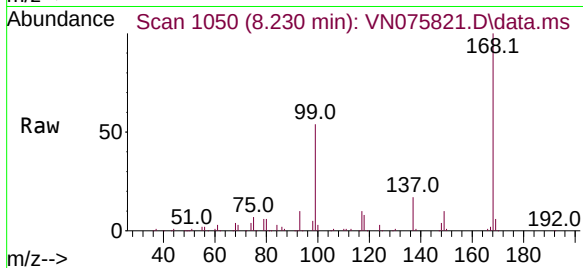
Tgt Ion: 75 Resp: 23699

Ion Ratio Lower Upper

75 100

110 10.7 18.8 56.4#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.608 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN075821.D

Acq: 15 Dec 2022 16:35

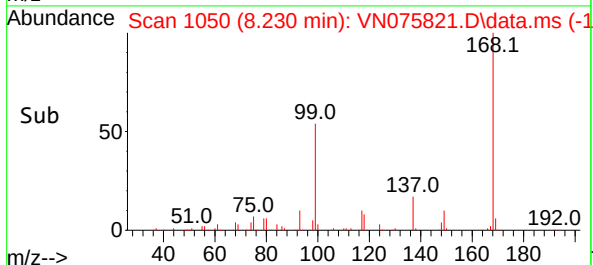
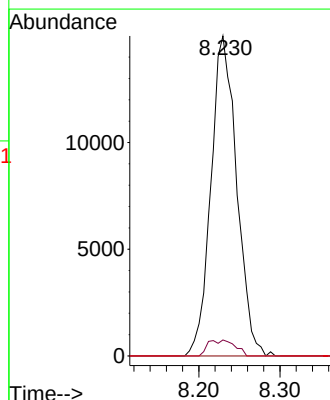
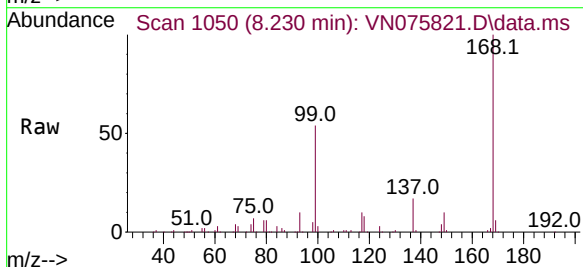
Tgt Ion: 117 Resp: 33154

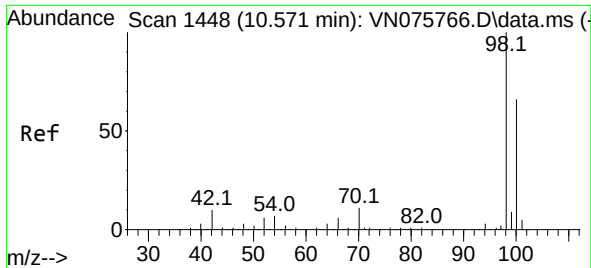
Ion Ratio Lower Upper

117 100

119 5.0 76.1 114.1#

121 0.0 24.5 36.7#

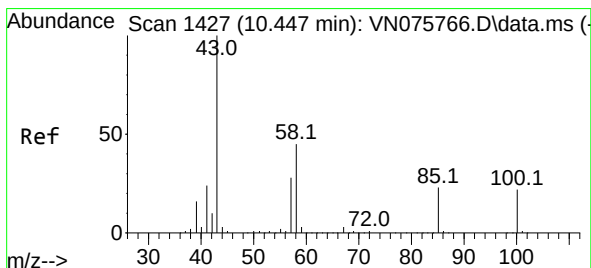
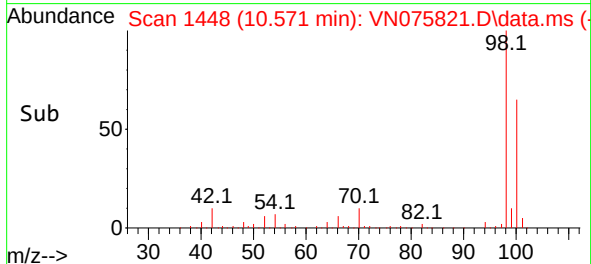
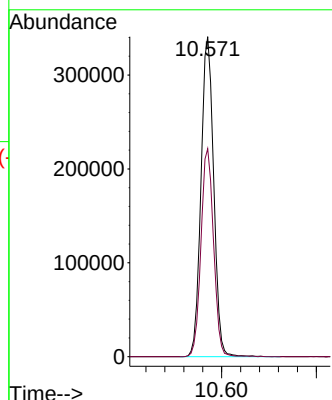
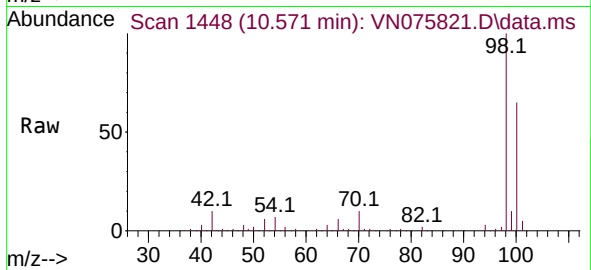




#50  
Toluene-d8  
Concen: 49.990 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: VN075821.D  
Acq: 15 Dec 2022 16:35

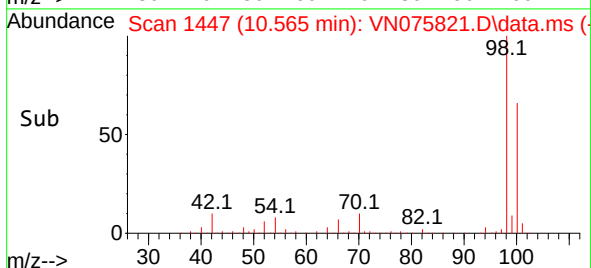
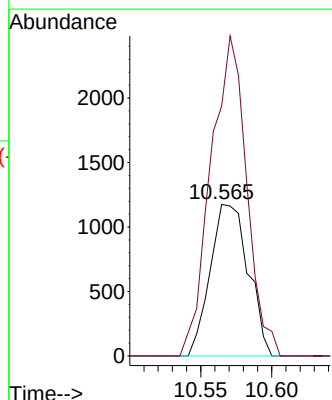
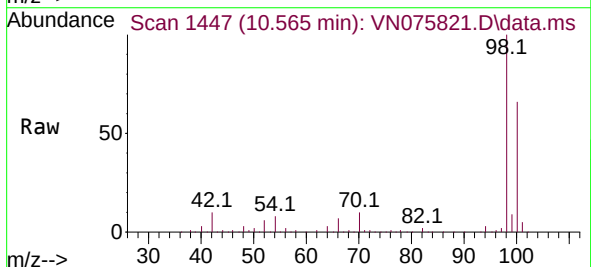
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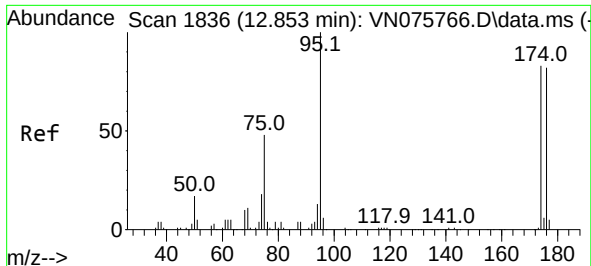
Tgt Ion: 98 Resp: 630700  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.1 78.1



#51  
4-Methyl-2-Pentanone  
Concen: 0.611 ug/l  
RT: 10.565 min Scan# 1447  
Delta R.T. 0.118 min  
Lab File: VN075821.D  
Acq: 15 Dec 2022 16:35

Tgt Ion: 43 Resp: 2196  
Ion Ratio Lower Upper  
43 100  
58 198.6 35.5 53.3#

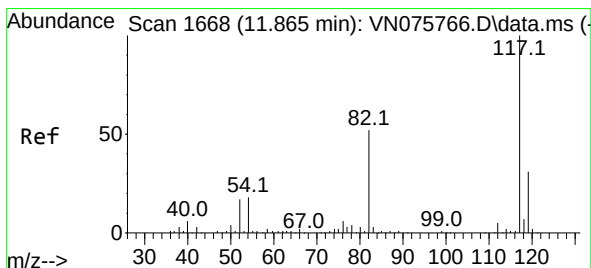
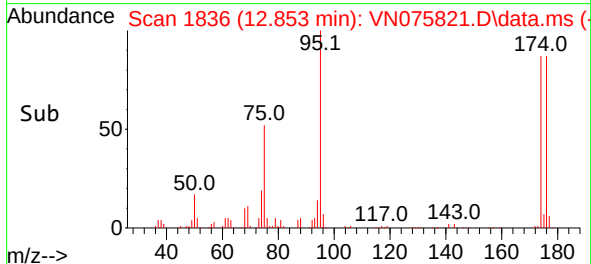
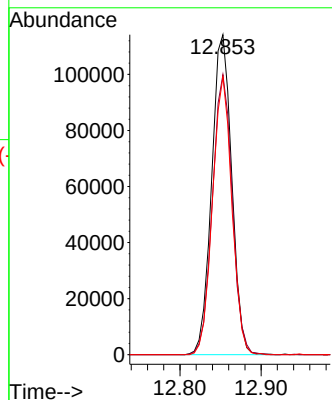
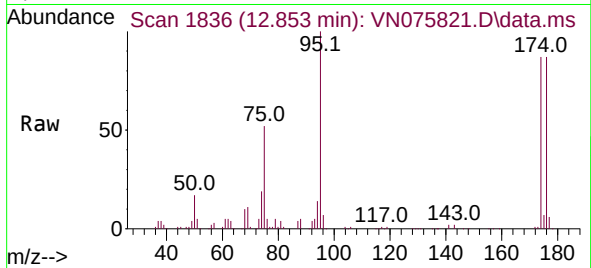




#62  
4-Bromofluorobenzene  
Concen: 46.870 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. -0.000 min  
Lab File: VN075821.D  
Acq: 15 Dec 2022 16:35

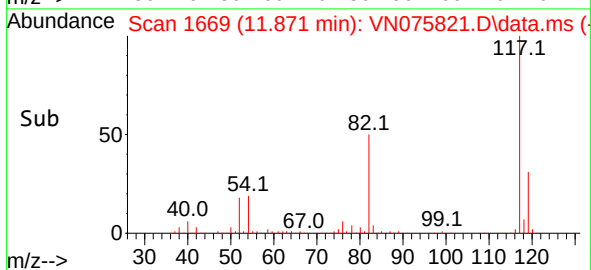
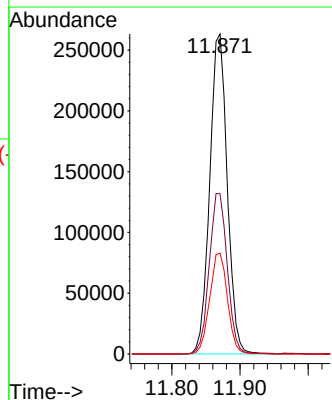
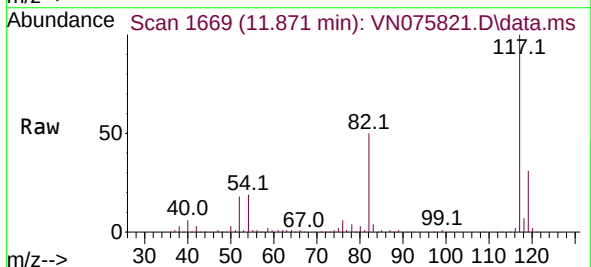
Instrument :  
MSVOA\_N  
ClientSampleId :  
RW9-PT-IN03-12092022

Tgt Ion: 95 Resp: 195857  
Ion Ratio Lower Upper  
95 100  
174 86.6 0.0 171.6  
176 83.8 0.0 169.2

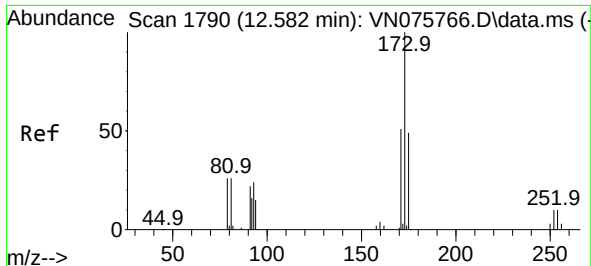


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1669  
Delta R.T. 0.006 min  
Lab File: VN075821.D  
Acq: 15 Dec 2022 16:35

Tgt Ion: 117 Resp: 471165  
Ion Ratio Lower Upper  
117 100  
82 50.1 41.3 61.9  
119 31.5 24.6 37.0



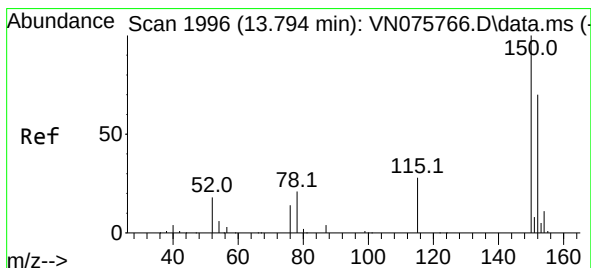
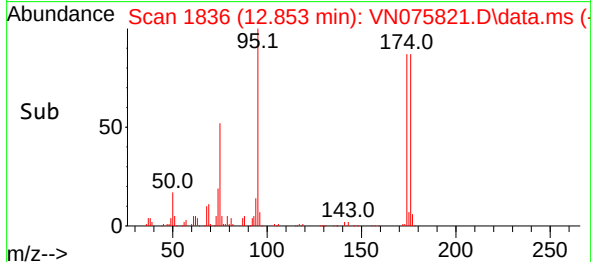
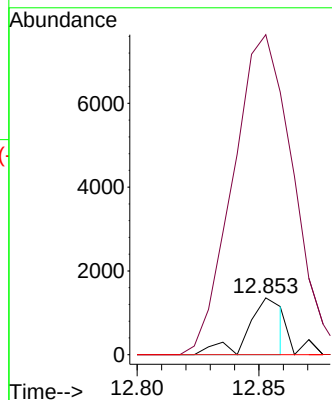
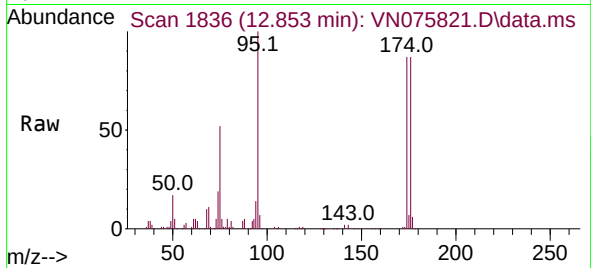




#71  
Bromoform  
Concen: 0.517 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.271 min  
Lab File: VN075821.D  
Acq: 15 Dec 2022 16:35

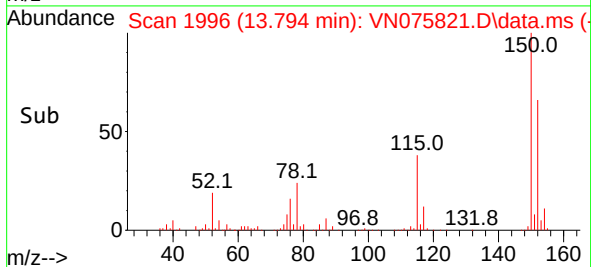
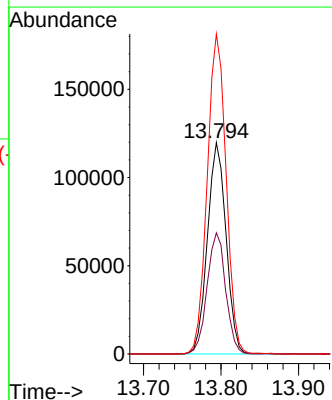
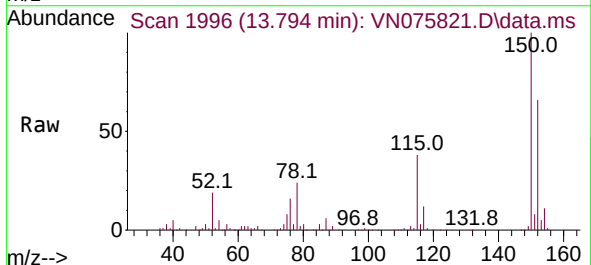
Instrument :  
MSVOA\_N  
ClientSampleId :  
RW9-PT-IN03-12092022

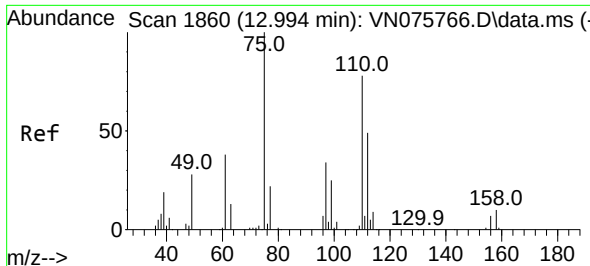
Tgt Ion:173 Resp: 1348  
Ion Ratio Lower Upper  
173 100  
175 787.4 24.3 72.8#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. -0.000 min  
Lab File: VN075821.D  
Acq: 15 Dec 2022 16:35

Tgt Ion:152 Resp: 200326  
Ion Ratio Lower Upper  
152 100  
115 57.0 29.1 87.4  
150 153.0 0.0 347.0

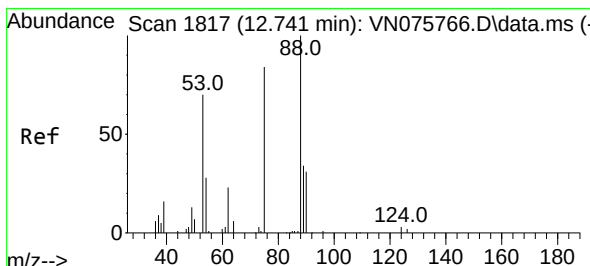
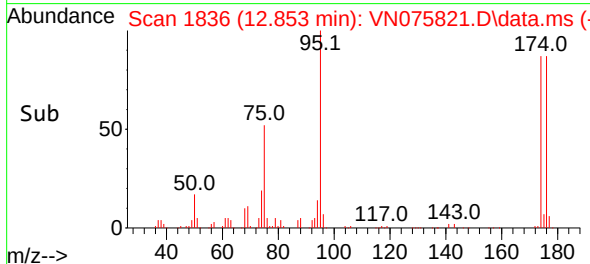
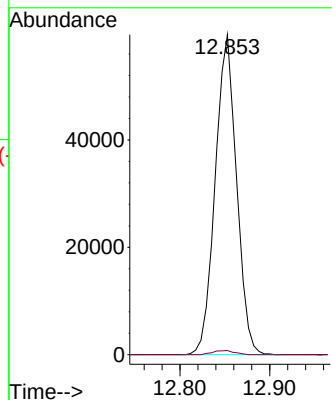
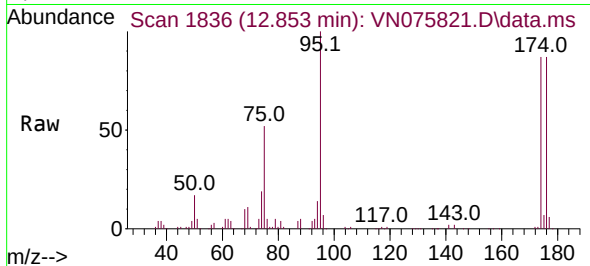




#76  
1,2,3-Trichloropropane  
Concen: 24.344 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. -0.141 min  
Lab File: VN075821.D  
Acq: 15 Dec 2022 16:35

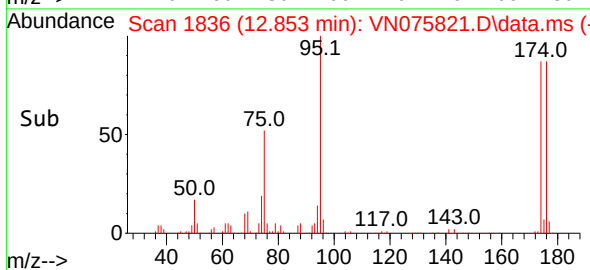
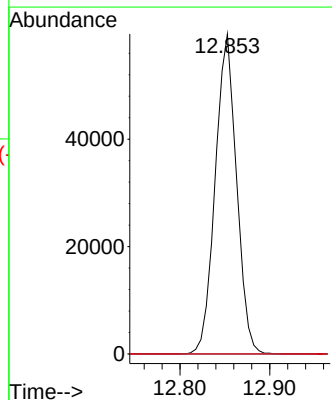
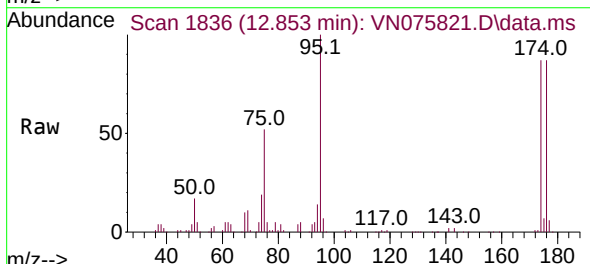
Instrument : MSVOA\_N  
ClientSampleId : RW9-PT-IN03-12092022

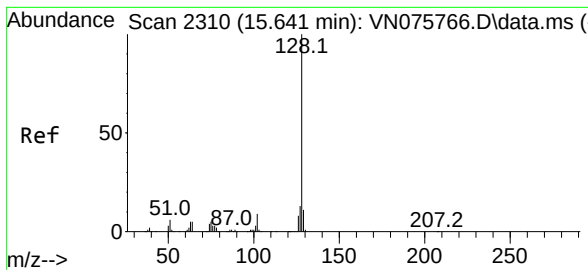
Tgt Ion: 75 Resp: 98304  
Ion Ratio Lower Upper  
75 100  
77 1.3 82.6 247.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 87.627 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.112 min  
Lab File: VN075821.D  
Acq: 15 Dec 2022 16:35

Tgt Ion: 75 Resp: 98304  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.8 110.6#  
89 0.0 39.5 59.3#





#95

Naphthalene

Concen: 2.396 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN075821.D

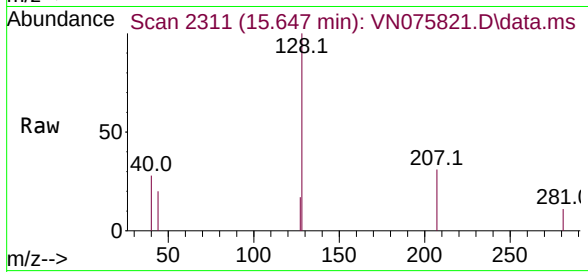
Acq: 15 Dec 2022 16:35

Instrument :

MSVOA\_N

ClientSampleId :

RW9-PT-IN03-12092022



Tgt Ion:128 Resp: 2490

Ion Ratio Lower Upper

128 100

127 8.1 10.4 15.6#

129 5.1 8.7 13.1#

