

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022824\  
 Data File : VN081238.D  
 Acq On : 28 Feb 2024 12:31  
 Operator : JC\MD  
 Sample : VN0228WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0228WBL01

Quant Time: Feb 28 23:23:53 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021624W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 16 23:45:20 2024  
 Response via : Initial Calibration

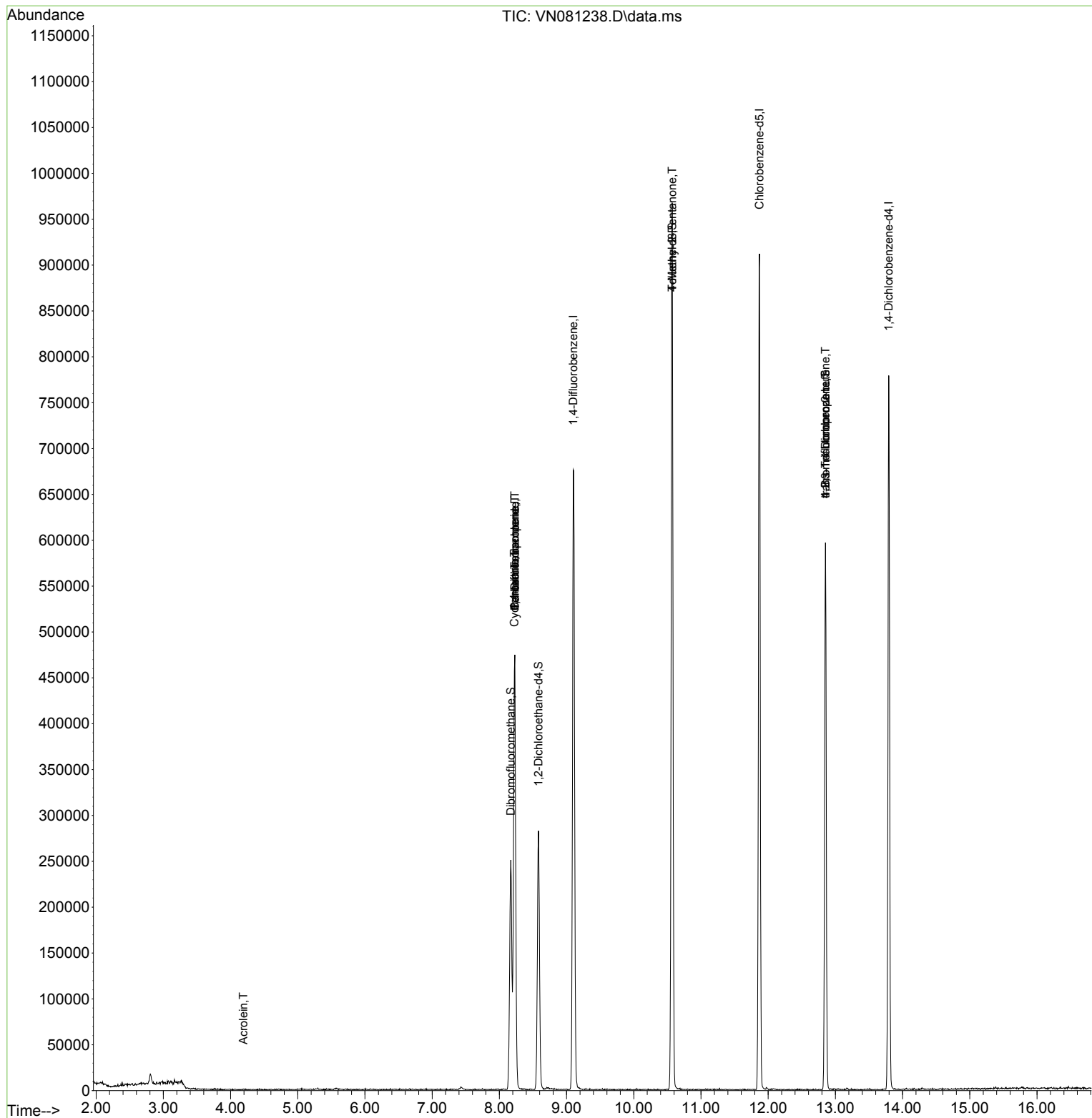
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 8.230          | 168  | 315517              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100          | 114  | 598196              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.871         | 117  | 522441              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794         | 152  | 193905              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.582          | 65   | 219852              | 56.848    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 113.700% |           |        |          |
| 35) Dibromofluoromethane      | 8.171          | 113  | 177072              | 52.348    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 104.700% |           |        |          |
| 50) Toluene-d8                | 10.571         | 98   | 647700              | 53.911    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 107.820% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.853         | 95   | 201103              | 44.547    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 89.100%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
| 3) Chloromethane              | 2.359          | 50   | 652                 | Below Cal | #      | 43       |
| 6) Chloroethane               | 3.130          | 64   | 123                 | Below Cal | #      | 42       |
| 13) Acrolein                  | 4.189          | 56   | 629                 | 1.650     | ug/l # | 63       |
| 20) Methylene Chloride        | 5.300          | 84   | 723                 | Below Cal | #      | 30       |
| 31) Cyclohexane               | 8.224          | 56   | 8999                | 1.348     | ug/l # | 23       |
| 36) 1,1-Dichloropropene       | 8.230          | 75   | 30385               | 5.243     | ug/l # | 52       |
| 38) Carbon Tetrachloride      | 8.230          | 117  | 36364               | 6.202     | ug/l # | 19       |
| 51) 4-Methyl-2-Pentanone      | 10.571         | 43   | 2645                | 0.503     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.853         | 75   | 112380              | 25.508    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.853         | 75   | 112380              | 65.656    | ug/l # | 14       |
| -----                         |                |      |                     |           |        |          |

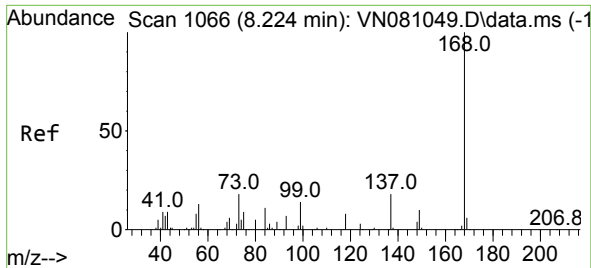
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN0228WBL01  
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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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QLast Update : Fri Feb 16 23:45:20 2024  
Response via : Initial Calibration

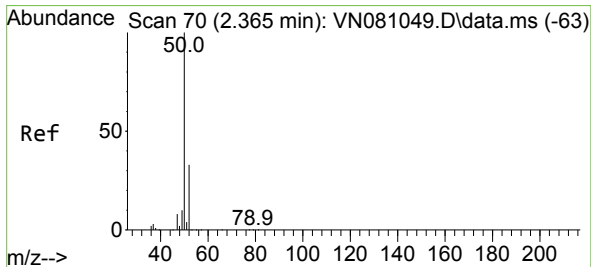
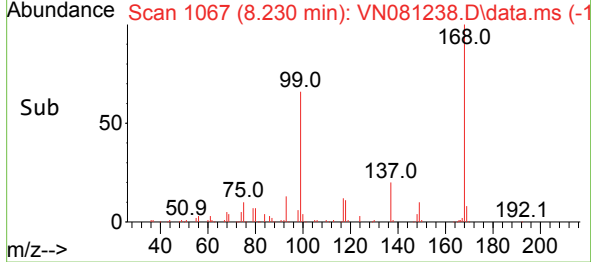
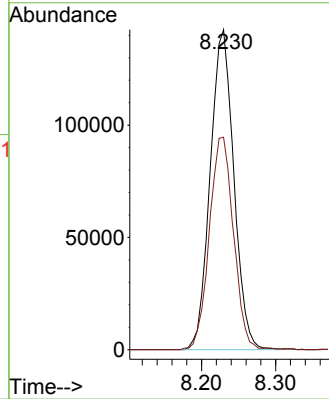
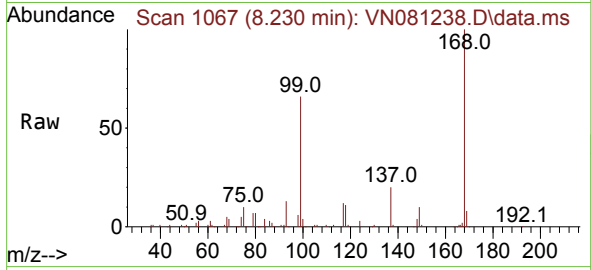




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VN081238.D  
Acq: 28 Feb 2024 12:31

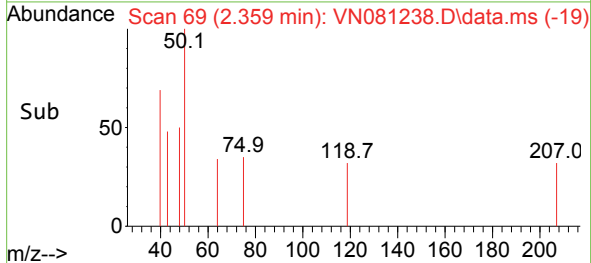
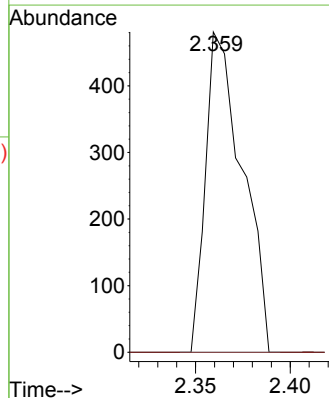
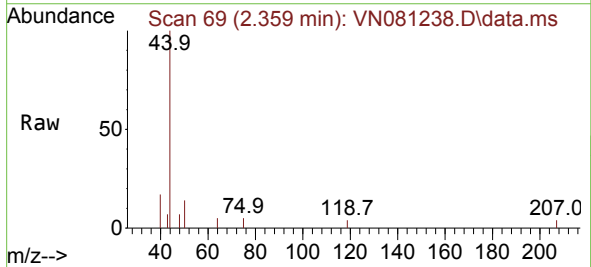
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228WBL01

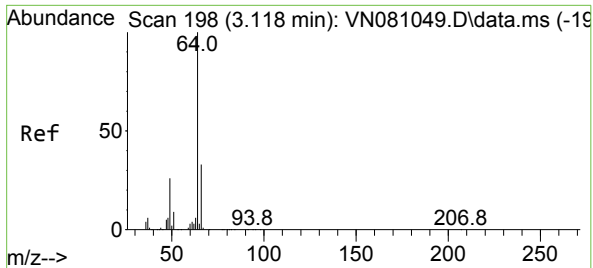
Tgt Ion:168 Resp: 315517  
Ion Ratio Lower Upper  
168 100  
99 66.4 59.9 89.9



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.359 min Scan# 69  
Delta R.T. -0.006 min  
Lab File: VN081238.D  
Acq: 28 Feb 2024 12:31

Tgt Ion: 50 Resp: 652  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.0 37.4#

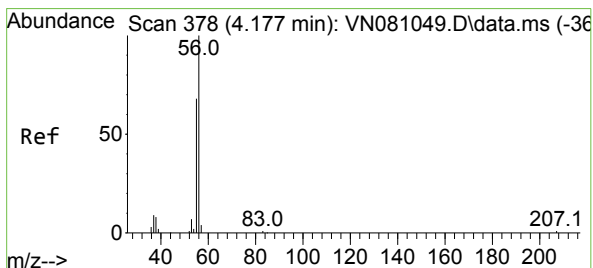
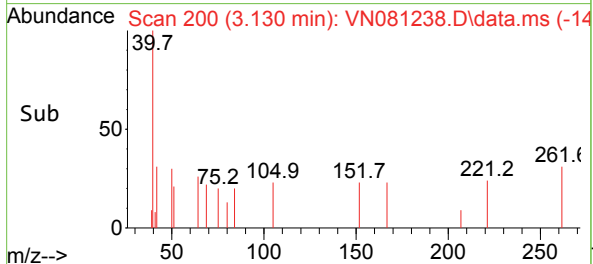
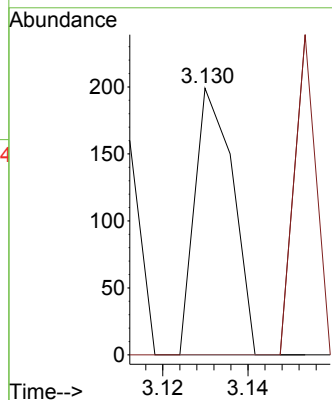
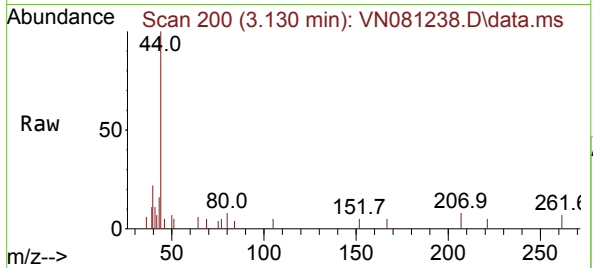




#6  
Chloroethane  
Concen: Below Cal  
RT: 3.130 min Scan# 20  
Delta R.T. 0.012 min  
Lab File: VN081238.D  
Acq: 28 Feb 2024 12:31

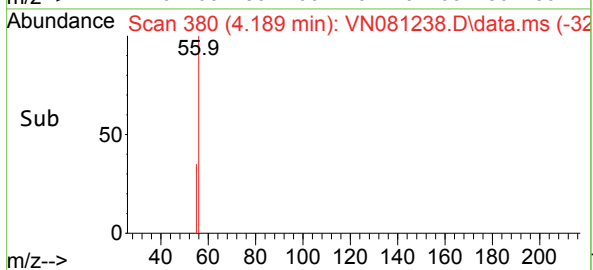
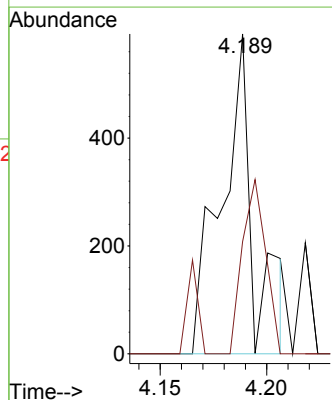
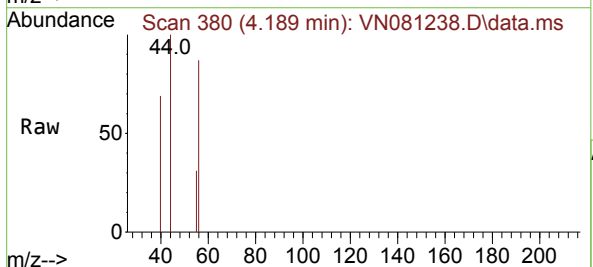
Instrument :  
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ClientSampleId :  
VN0228WBL01

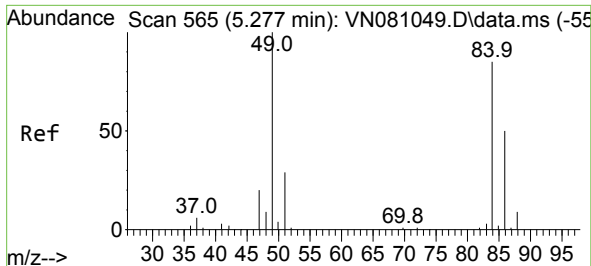
Tgt Ion: 64 Resp: 123  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.4 39.6#



#13  
Acrolein  
Concen: 1.650 ug/l  
RT: 4.189 min Scan# 380  
Delta R.T. 0.012 min  
Lab File: VN081238.D  
Acq: 28 Feb 2024 12:31

Tgt Ion: 56 Resp: 629  
Ion Ratio Lower Upper  
56 100  
55 39.0 55.3 82.9#

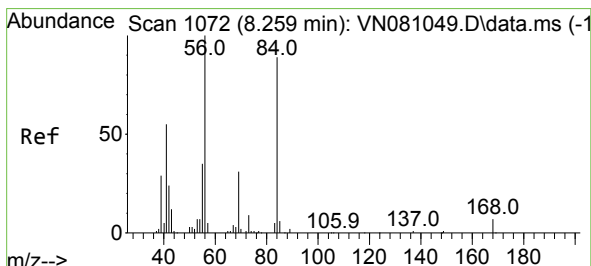
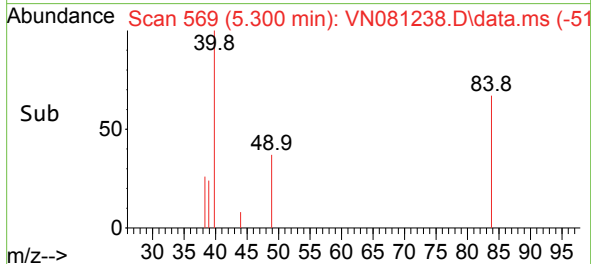
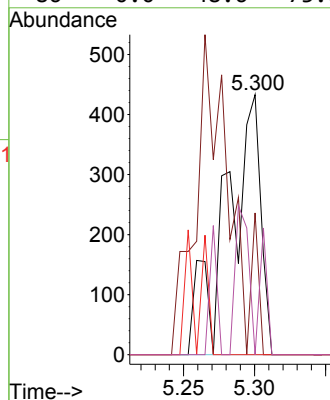
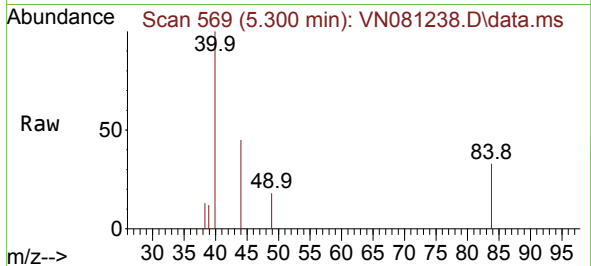




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 5.300 min Scan# 51  
Delta R.T. 0.023 min  
Lab File: VN081238.D  
Acq: 28 Feb 2024 12:31

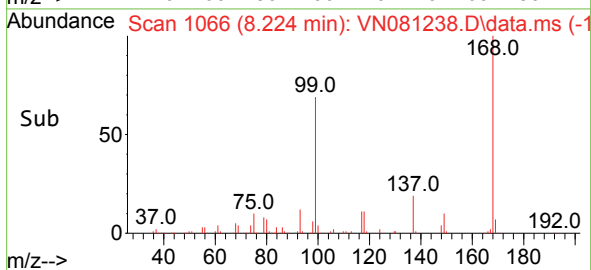
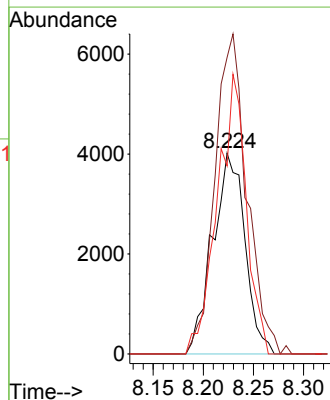
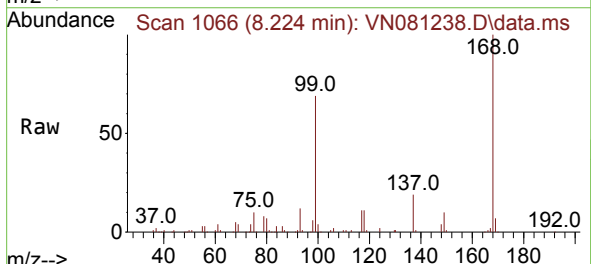
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228WBL01

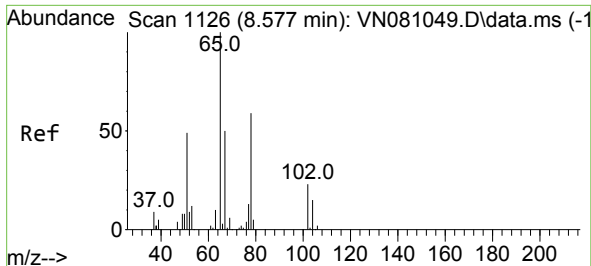
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 723    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 54.5  | 108.1 | 162.1# |
| 51       | 0.0   | 32.9  | 49.3#  |
| 86       | 0.0   | 48.6  | 73.0#  |



#31  
Cyclohexane  
Concen: 1.348 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.035 min  
Lab File: VN081238.D  
Acq: 28 Feb 2024 12:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 8999  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 141.2 | 20.1  | 30.1# |
| 84       | 89.5  | 56.9  | 85.3# |





#33

1,2-Dichloroethane-d4

Concen: 56.848 ug/l

RT: 8.582 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN081238.D

Acq: 28 Feb 2024 12:31

Instrument :

MSVOA\_N

ClientSampleId :

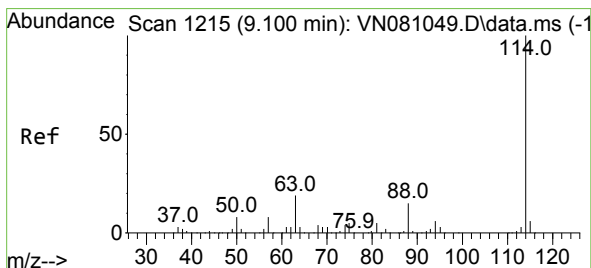
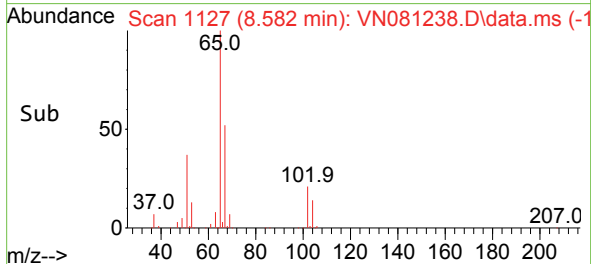
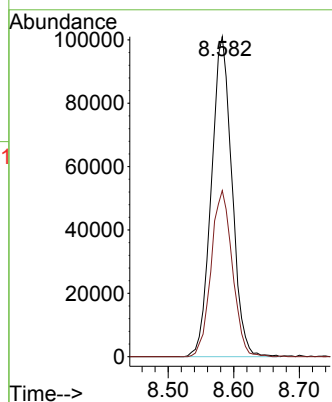
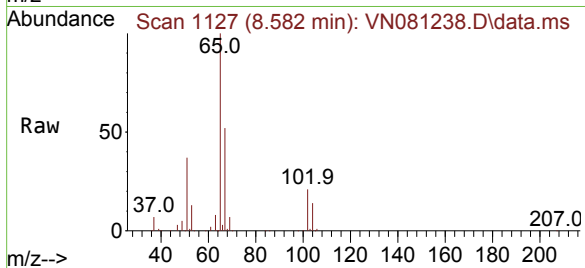
VN0228WBL01

Tgt Ion: 65 Resp: 219852

Ion Ratio Lower Upper

65 100

67 53.7 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN081238.D

Acq: 28 Feb 2024 12:31

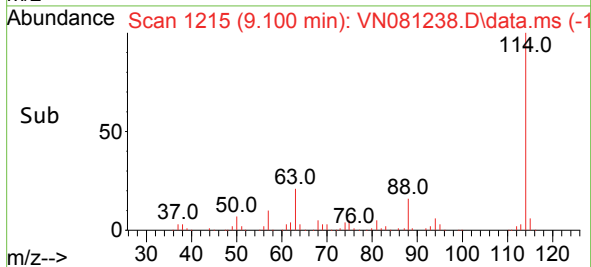
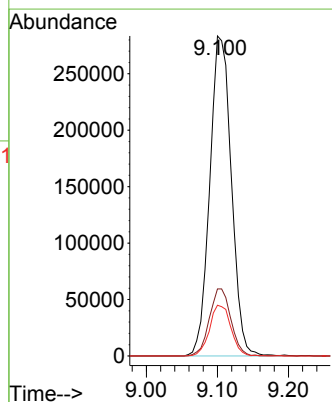
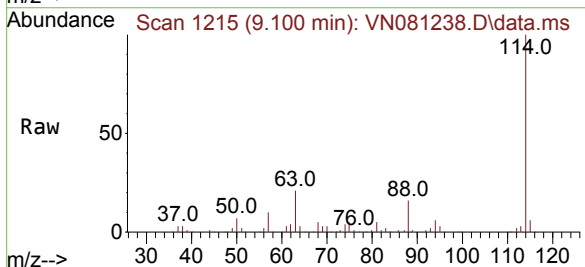
Tgt Ion: 114 Resp: 598196

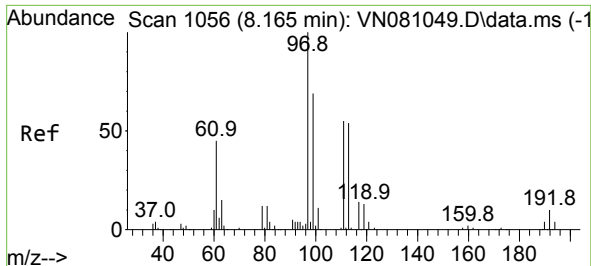
Ion Ratio Lower Upper

114 100

63 21.0 0.0 48.0

88 15.8 0.0 34.8

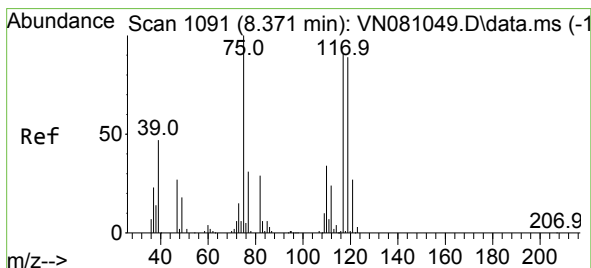
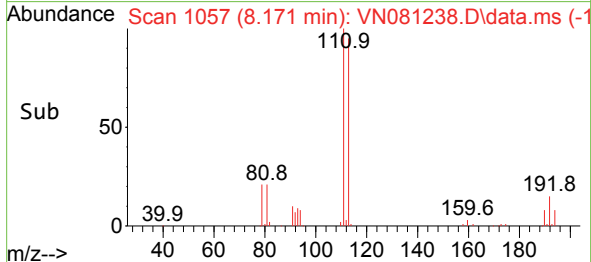
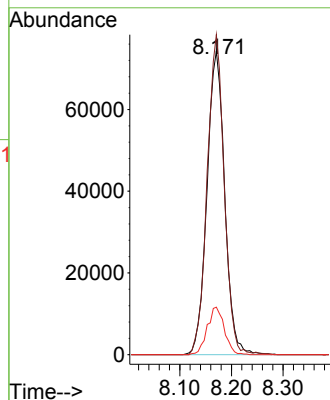
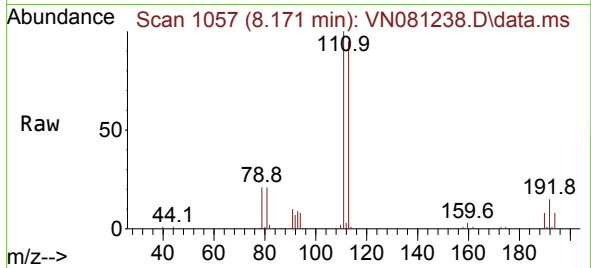




#35  
Dibromofluoromethane  
Concen: 52.348 ug/l  
RT: 8.171 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VN081238.D  
Acq: 28 Feb 2024 12:31

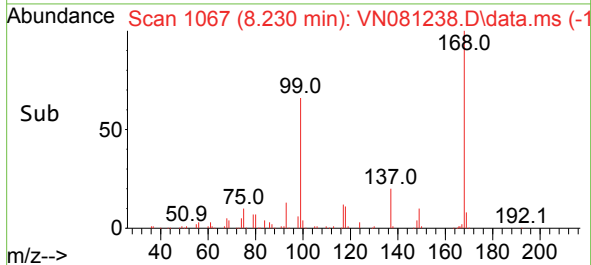
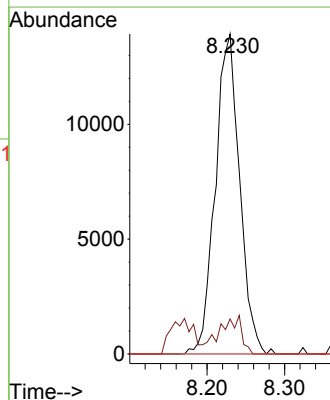
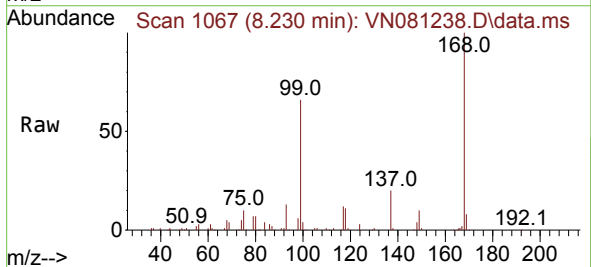
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228WBL01

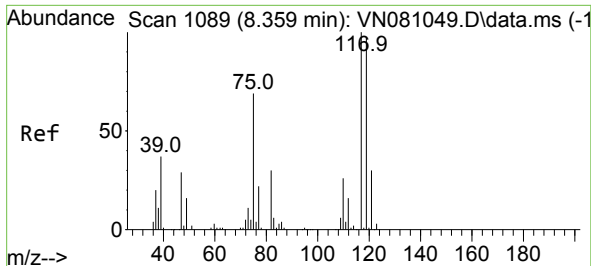
Tgt Ion:113 Resp: 177072  
Ion Ratio Lower Upper  
113 100  
111 101.3 82.2 123.4  
192 15.1 12.5 18.7



#36  
1,1-Dichloropropene  
Concen: 5.243 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.141 min  
Lab File: VN081238.D  
Acq: 28 Feb 2024 12:31

Tgt Ion: 75 Resp: 30385  
Ion Ratio Lower Upper  
75 100  
110 10.8 16.0 48.0#  
77 0.0 25.8 38.6#

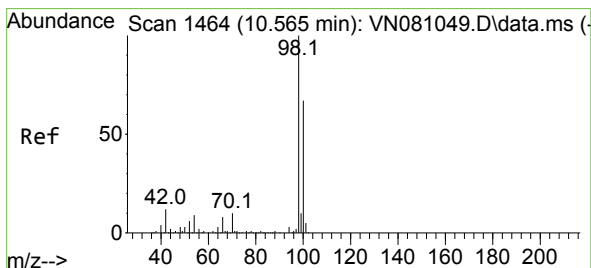
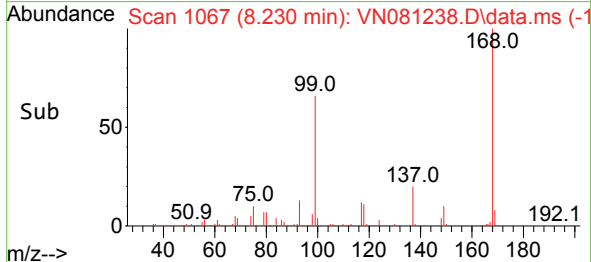
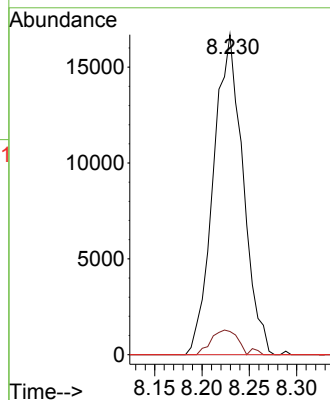
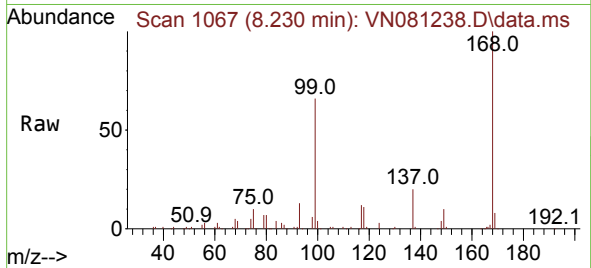




#38  
Carbon Tetrachloride  
Concen: 6.202 ug/l  
RT: 8.230 min Scan# 1089  
Delta R.T. -0.130 min  
Lab File: VN081238.D  
Acq: 28 Feb 2024 12:31

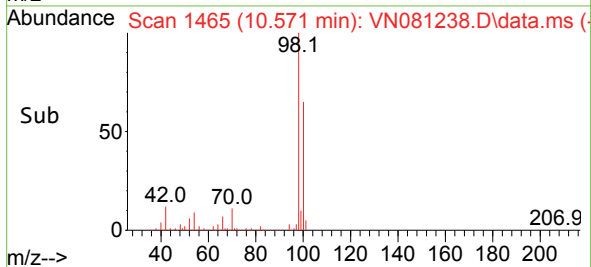
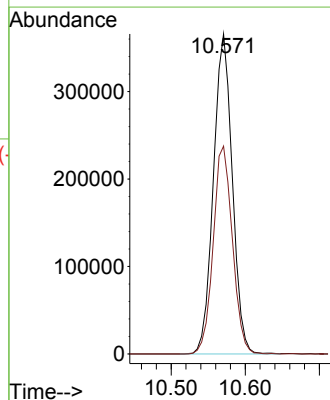
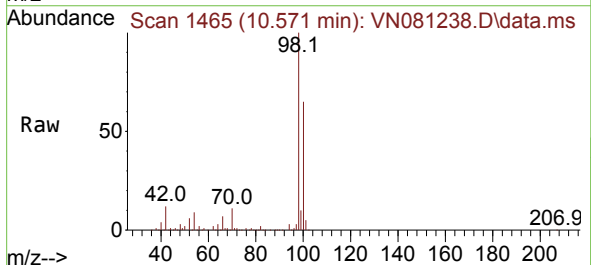
Instrument :  
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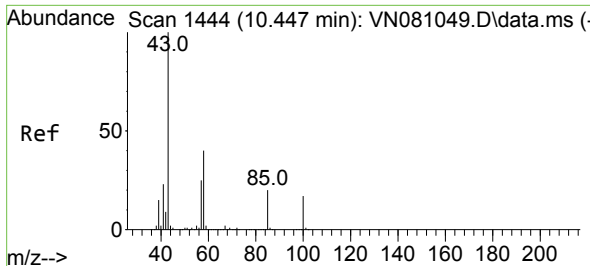
Tgt Ion:117 Resp: 36364  
Ion Ratio Lower Upper  
117 100  
119 7.3 73.4 110.2#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 53.911 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.006 min  
Lab File: VN081238.D  
Acq: 28 Feb 2024 12:31

Tgt Ion: 98 Resp: 647700  
Ion Ratio Lower Upper  
98 100  
100 65.9 51.4 77.0

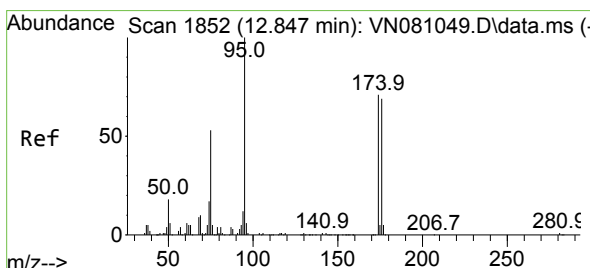
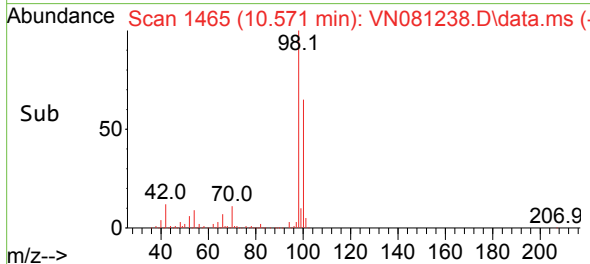
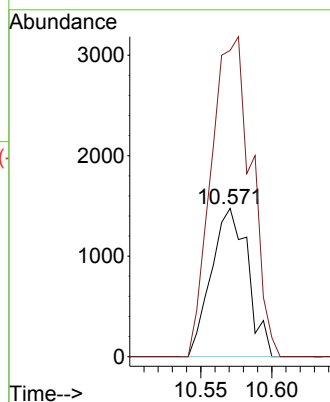
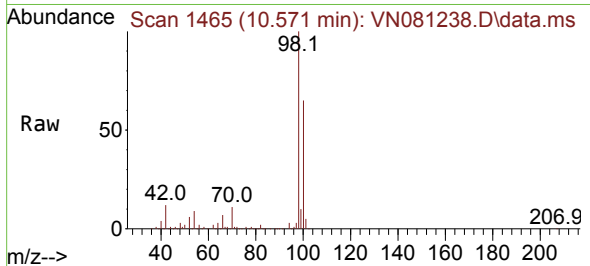




#51  
4-Methyl-2-Pentanone  
Concen: 0.503 ug/l  
RT: 10.571 min Scan# 1444  
Delta R.T. 0.123 min  
Lab File: VN081238.D  
Acq: 28 Feb 2024 12:31

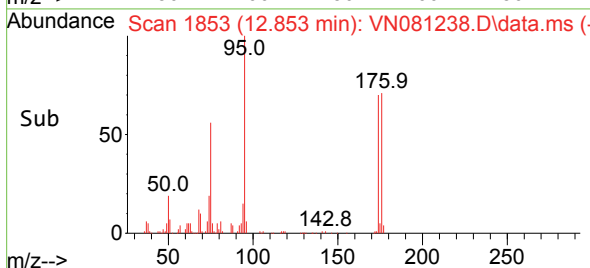
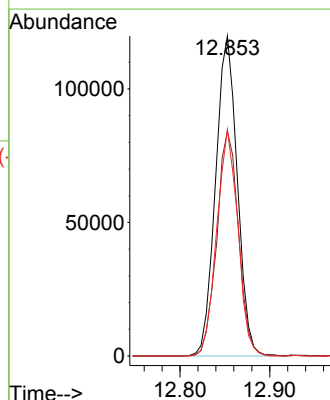
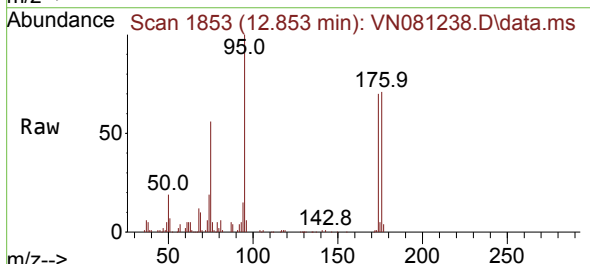
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228WBL01

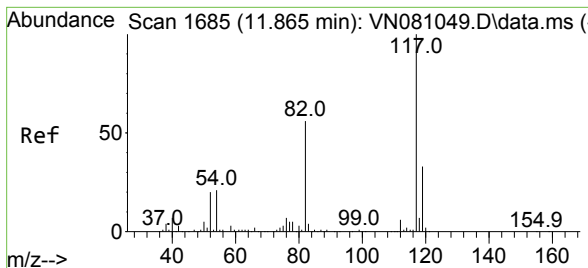
Tgt Ion: 43 Resp: 2645  
Ion Ratio Lower Upper  
43 100  
58 235.7 29.4 44.0#



#62  
4-Bromofluorobenzene  
Concen: 44.547 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN081238.D  
Acq: 28 Feb 2024 12:31

Tgt Ion: 95 Resp: 201103  
Ion Ratio Lower Upper  
95 100  
174 70.2 0.0 120.4  
176 68.8 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081238.D

Acq: 28 Feb 2024 12:31

Instrument :

MSVOA\_N

ClientSampleId :

VN0228WBL01

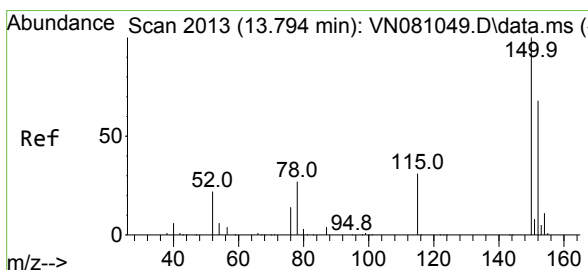
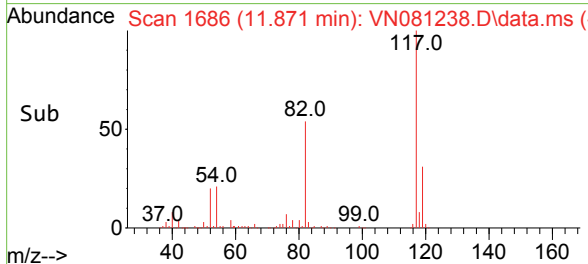
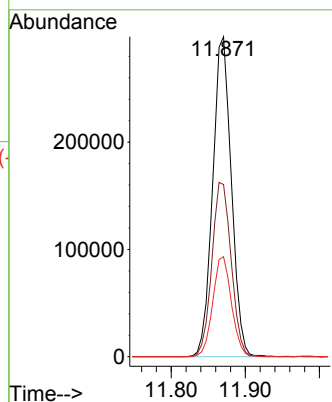
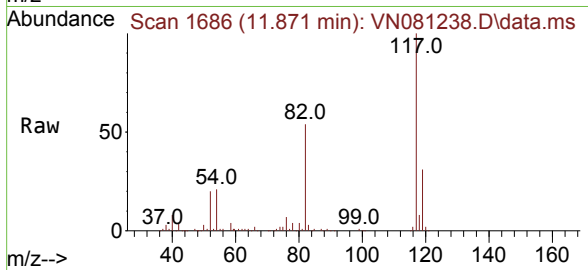
Tgt Ion:117 Resp: 522441

Ion Ratio Lower Upper

117 100

82 53.8 52.7 79.1

119 31.3 25.3 37.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN081238.D

Acq: 28 Feb 2024 12:31

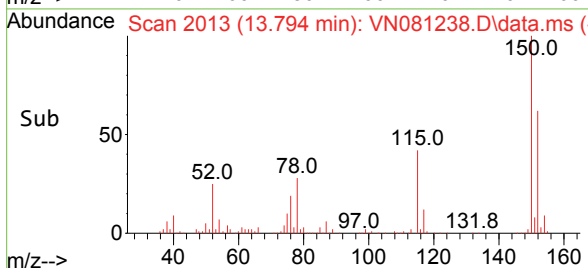
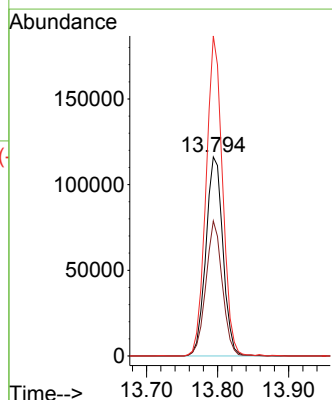
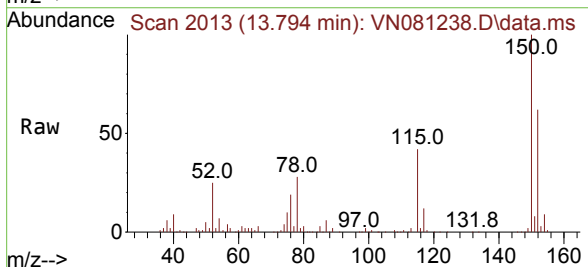
Tgt Ion:152 Resp: 193905

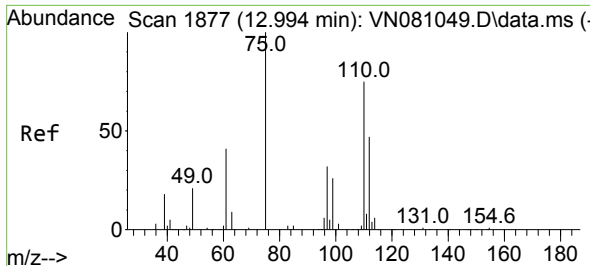
Ion Ratio Lower Upper

152 100

115 65.4 32.3 96.8

150 155.1 0.0 339.8

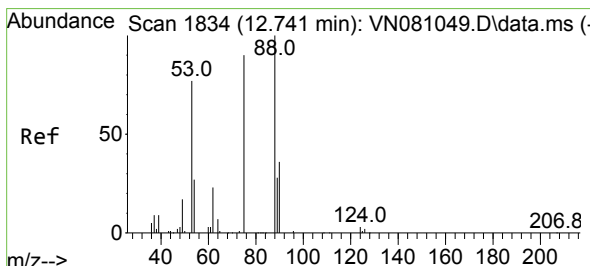
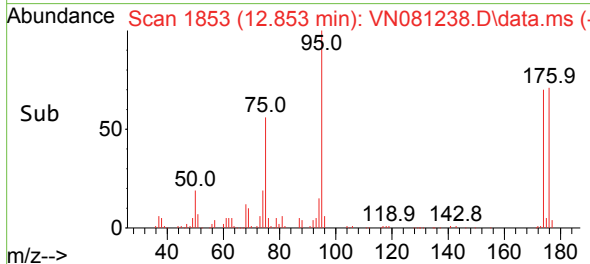
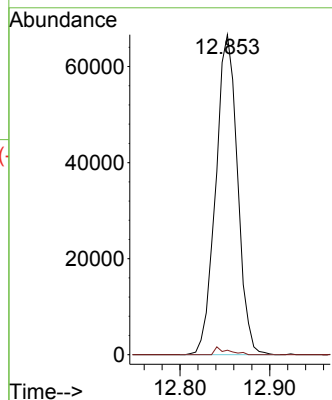
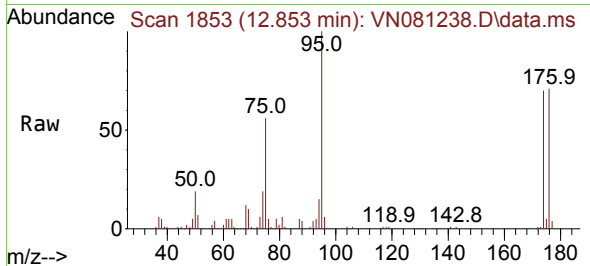




#76  
1,2,3-Trichloropropane  
Concen: 25.508 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.141 min  
Lab File: VN081238.D  
Acq: 28 Feb 2024 12:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228WBL01

Tgt Ion: 75 Resp: 112380  
Ion Ratio Lower Upper  
75 100  
77 1.5 91.0 272.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 65.656 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.112 min  
Lab File: VN081238.D  
Acq: 28 Feb 2024 12:31

Tgt Ion: 75 Resp: 112380  
Ion Ratio Lower Upper  
75 100  
53 0.2 71.4 107.2#  
89 0.1 33.4 50.0#

