

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100324\  
 Data File : VN084288.D  
 Acq On : 03 Oct 2024 11:04  
 Operator : JC\MD  
 Sample : P4226-09DL 2X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DUP07-20240924DL

Quant Time: Oct 04 01:31:31 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 01 07:11:01 2024  
 Response via : Initial Calibration

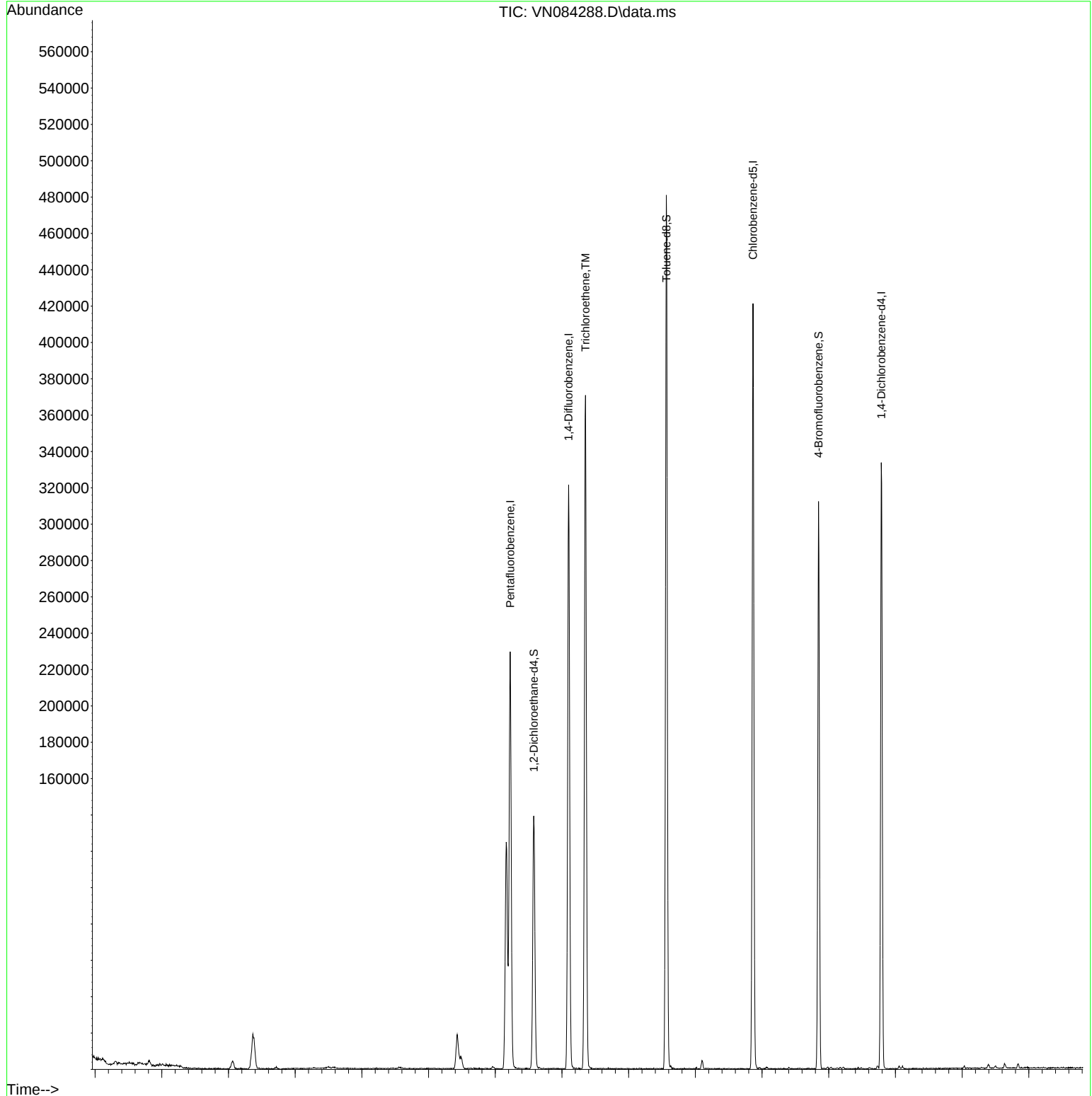
| Compound                     | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                        |        |                |          |        |          |          |
| Internal Standards           |        |                |          |        |          |          |
| 1) Pentafluorobenzene        | 8.224  | 168            | 155559   | 50.000 | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.100  | 114            | 274308   | 50.000 | ug/l     | 0.00     |
| 63) Chlorobenzene-d5         | 11.865 | 117            | 233181   | 50.000 | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.788 | 152            | 91147    | 50.000 | ug/l     | 0.00     |
|                              |        |                |          |        |          |          |
| System Monitoring Compounds  |        |                |          |        |          |          |
| 33) 1,2-Dichloroethane-d4    | 8.577  | 65             | 117156   | 50.795 | ug/l     | 0.00     |
| Spiked Amount                | 50.000 | Range 74 - 125 | Recovery | =      | 101.580% |          |
| 35) Dibromofluoromethane     | 8.165  | 113            | 92063    | 50.908 | ug/l     | 0.00     |
| Spiked Amount                | 50.000 | Range 75 - 124 | Recovery | =      | 101.820% |          |
| 50) Toluene-d8               | 10.565 | 98             | 330503   | 49.675 | ug/l     | 0.00     |
| Spiked Amount                | 50.000 | Range 86 - 113 | Recovery | =      | 99.340%  |          |
| 62) 4-Bromofluorobenzene     | 12.847 | 95             | 109182   | 45.044 | ug/l     | 0.00     |
| Spiked Amount                | 50.000 | Range 77 - 121 | Recovery | =      | 90.080%  |          |
|                              |        |                |          |        |          |          |
| Target Compounds             |        |                |          |        |          |          |
| 9) 1,1,2-Trichlorotrifluo... | 4.371  | 101            | 13451    | 7.408  | ug/l     | 95       |
| 12) 1,1-Dichloroethene       | 4.359  | 96             | 2049     | 1.170  | ug/l #   | 60       |
| 27) cis-1,2-Dichloroethene   | 7.477  | 96             | 4038     | 1.821  | ug/l     | 93       |
| 44) Trichloroethene          | 9.353  | 130            | 129973   | 67.996 | ug/l     | 97       |
| -----                        |        |                |          |        |          |          |

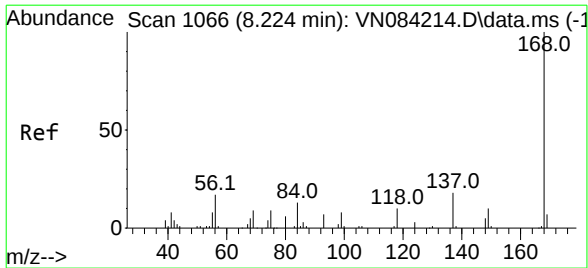
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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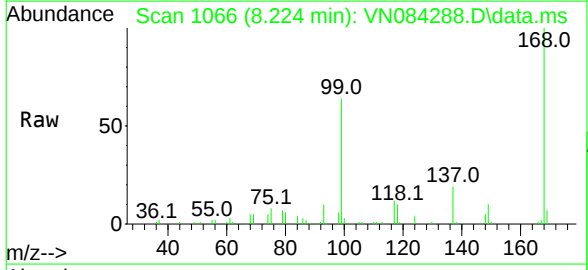
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 01 07:11:01 2024  
Response via : Initial Calibration



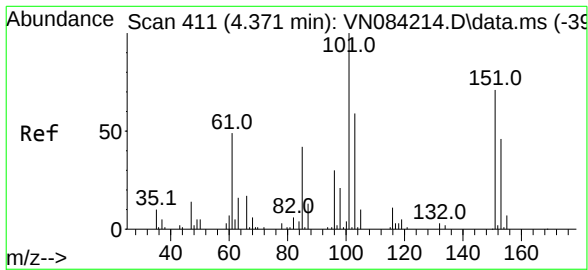
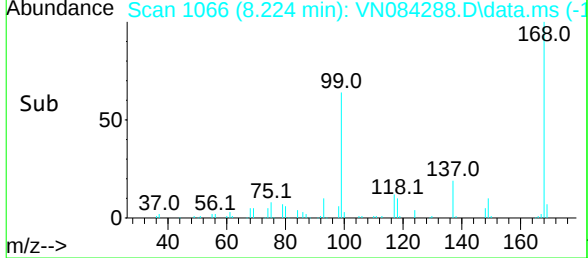
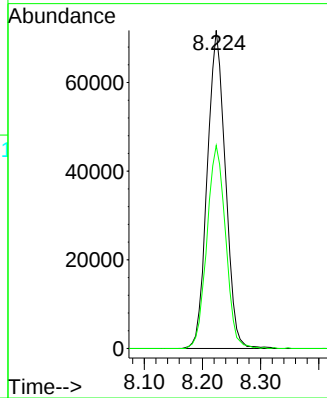


#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.224 min Scan# 1066  
 Delta R.T. -0.000 min  
 Lab File: VN084288.D  
 Acq: 03 Oct 2024 11:04

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DUP07-20240924DL

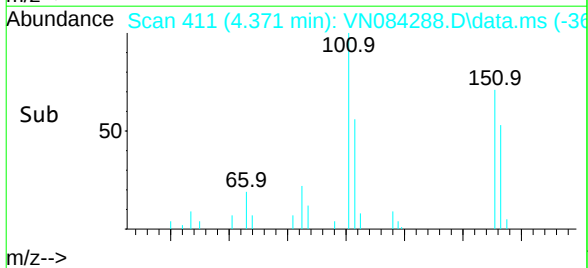
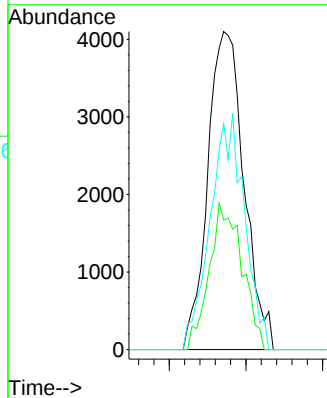
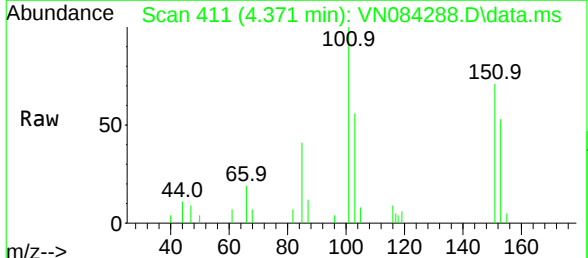


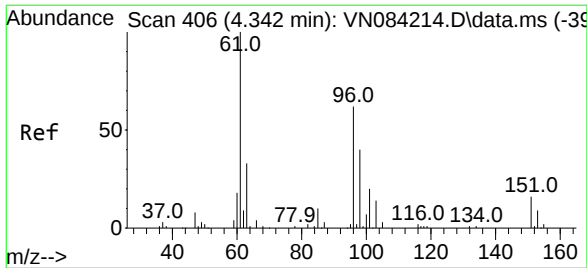
Tgt Ion: 168 Resp: 155559  
 Ion Ratio Lower Upper  
 168 100  
 99 63.8 54.2 81.2



#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 7.408 ug/l  
 RT: 4.371 min Scan# 411  
 Delta R.T. -0.000 min  
 Lab File: VN084288.D  
 Acq: 03 Oct 2024 11:04

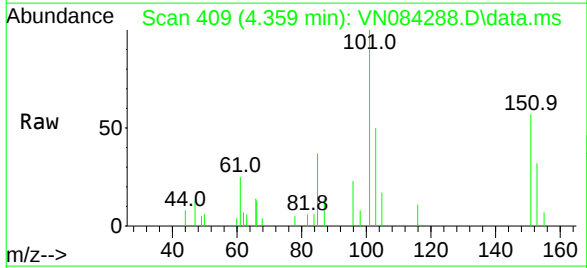
Tgt Ion: 101 Resp: 13451  
 Ion Ratio Lower Upper  
 101 100  
 85 41.6 36.2 54.4  
 151 69.9 59.3 88.9



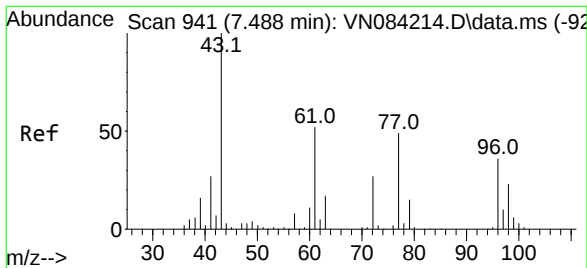
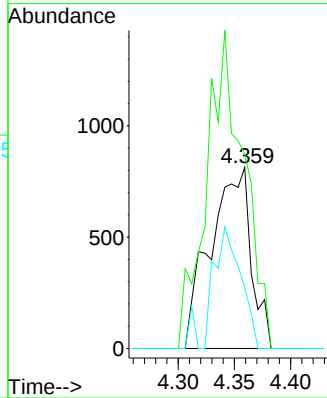
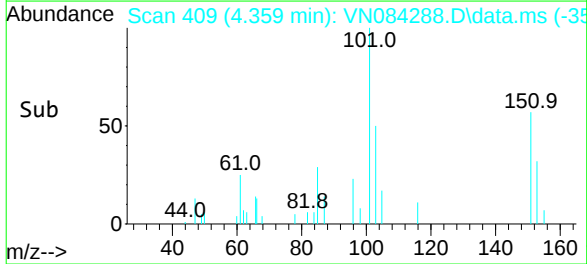


#12  
1,1-Dichloroethene  
Concen: 1.170 ug/l  
RT: 4.359 min Scan# 406  
Delta R.T. 0.018 min  
Lab File: VN084288.D  
Acq: 03 Oct 2024 11:04

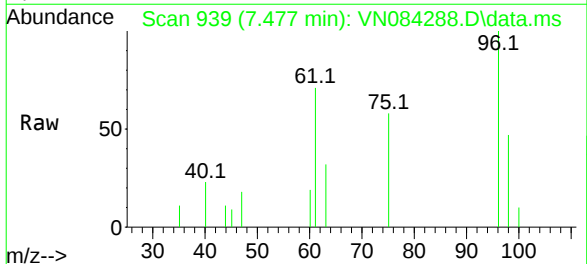
Instrument :  
MSVOA\_N  
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DUP07-20240924DL



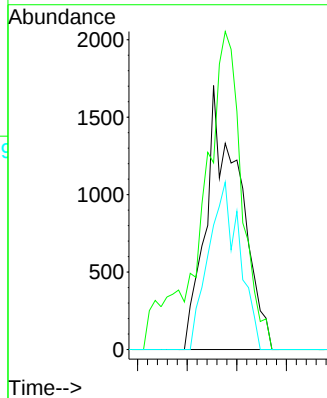
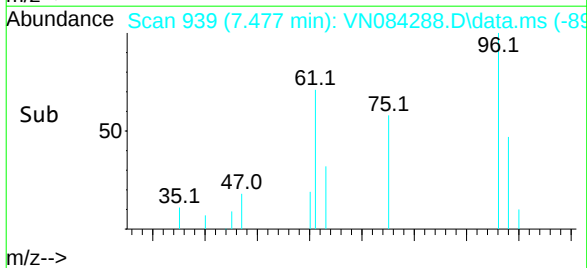
Tgt Ion: 96 Resp: 2049  
Ion Ratio Lower Upper  
96 100  
61 107.3 128.6 192.8#  
98 33.7 51.7 77.5#

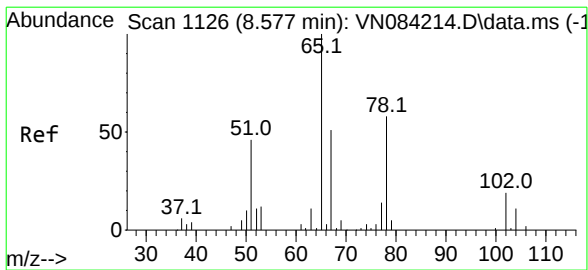


#27  
cis-1,2-Dichloroethene  
Concen: 1.821 ug/l  
RT: 7.477 min Scan# 939  
Delta R.T. -0.012 min  
Lab File: VN084288.D  
Acq: 03 Oct 2024 11:04



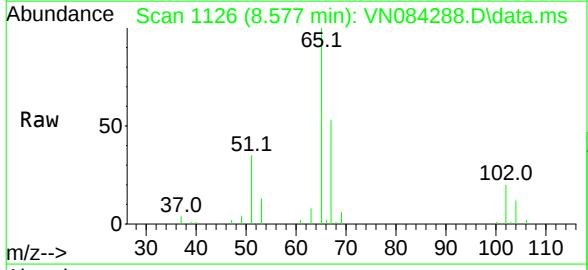
Tgt Ion: 96 Resp: 4038  
Ion Ratio Lower Upper  
96 100  
61 142.0 0.0 301.8  
98 58.4 0.0 128.2





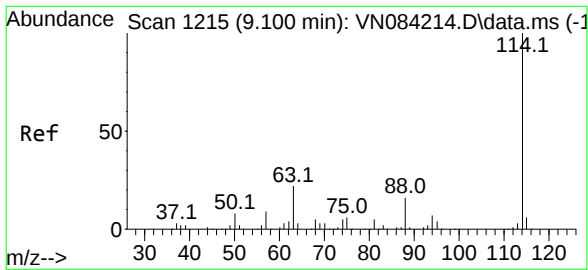
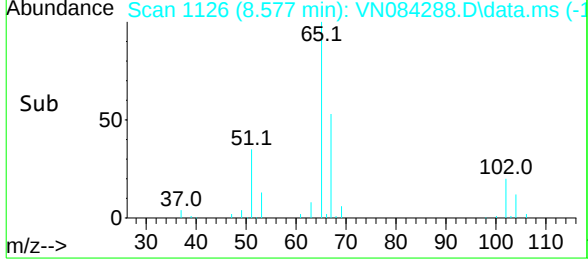
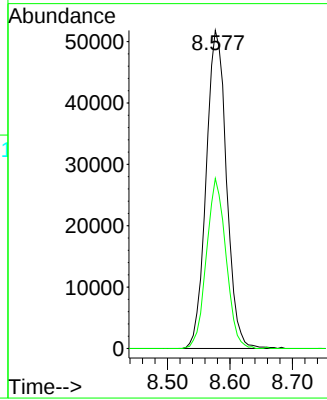
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.795 ug/l  
 RT: 8.577 min Scan# 1116  
 Delta R.T. -0.000 min  
 Lab File: VN084288.D  
 Acq: 03 Oct 2024 11:04

Instrument :  
 MSVOA\_N  
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 DUP07-20240924DL



Tgt Ion: 65 Resp: 117156  

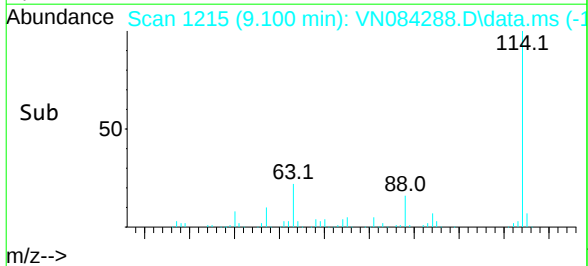
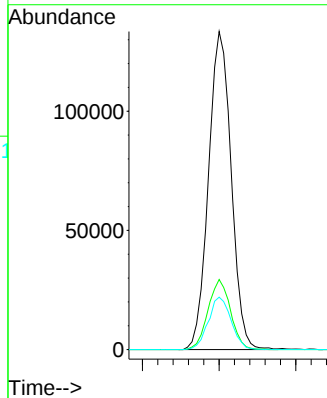
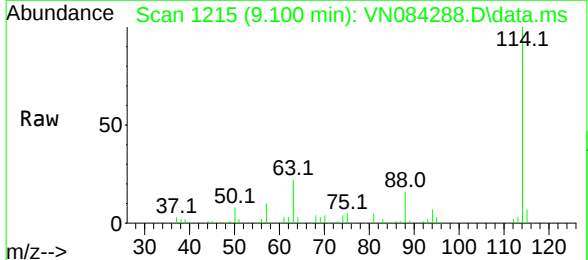
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 51.3  | 0.0   | 102.0 |

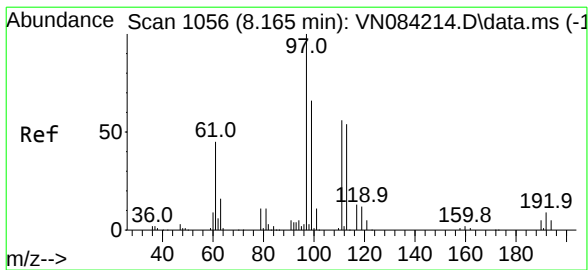


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.100 min Scan# 1215  
 Delta R.T. -0.000 min  
 Lab File: VN084288.D  
 Acq: 03 Oct 2024 11:04

Tgt Ion: 114 Resp: 274308  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 22.0  | 0.0   | 43.8  |
| 88  | 16.5  | 0.0   | 31.6  |





#35

Dibromofluoromethane

Concen: 50.908 ug/l

RT: 8.165 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN084288.D

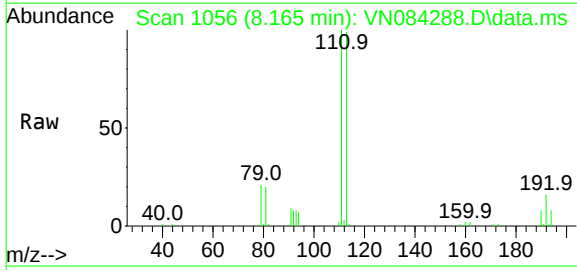
Acq: 03 Oct 2024 11:04

Instrument :

MSVOA\_N

ClientSampleId :

DUP07-20240924DL



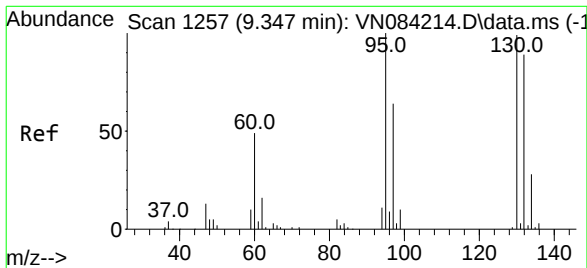
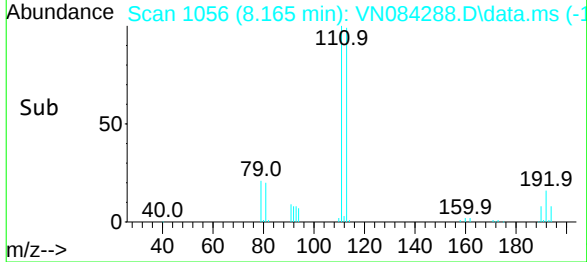
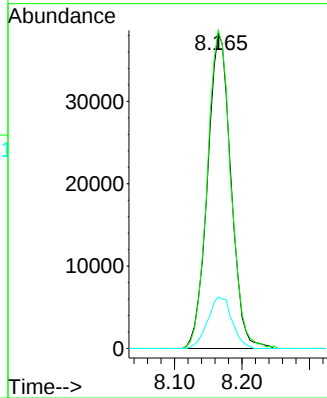
Tgt Ion:113 Resp: 92063

Ion Ratio Lower Upper

113 100

111 101.5 83.3 124.9

192 17.0 13.5 20.3



#44

Trichloroethene

Concen: 67.996 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.006 min

Lab File: VN084288.D

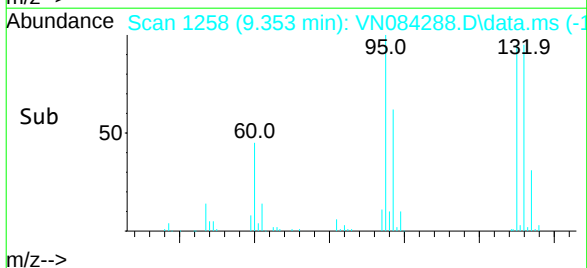
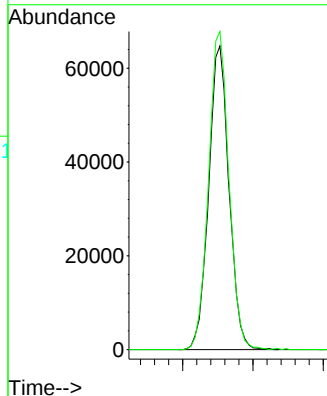
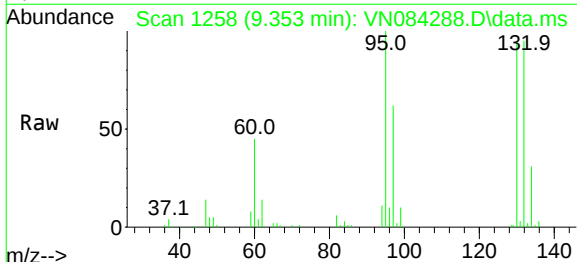
Acq: 03 Oct 2024 11:04

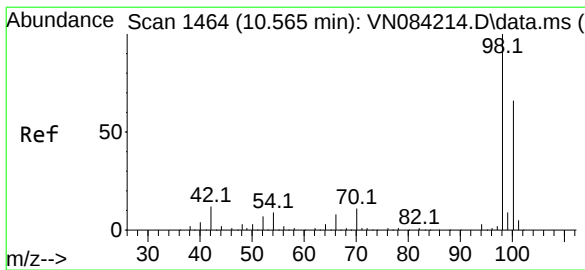
Tgt Ion:130 Resp: 129973

Ion Ratio Lower Upper

130 100

95 104.7 0.0 203.0





#50

Toluene-d8

Concen: 49.675 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084288.D

Acq: 03 Oct 2024 11:04

Instrument :

MSVOA\_N

ClientSampleId :

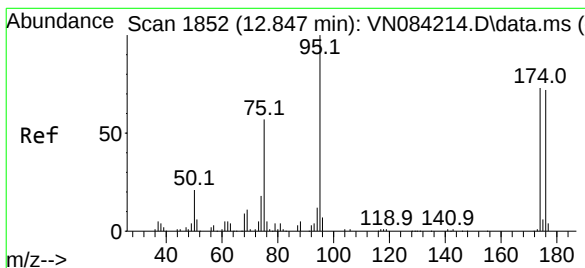
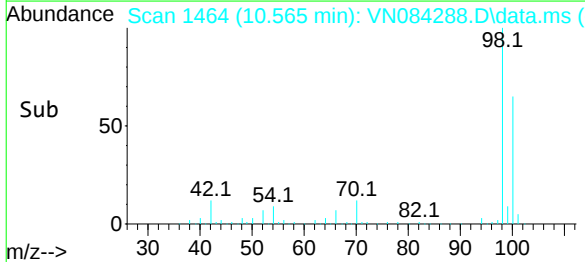
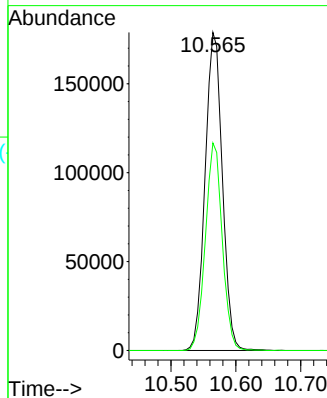
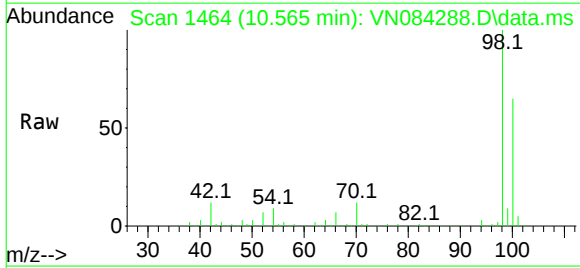
DUP07-20240924DL

Tgt Ion: 98 Resp: 330503

Ion Ratio Lower Upper

98 100

100 63.7 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 45.044 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN084288.D

Acq: 03 Oct 2024 11:04

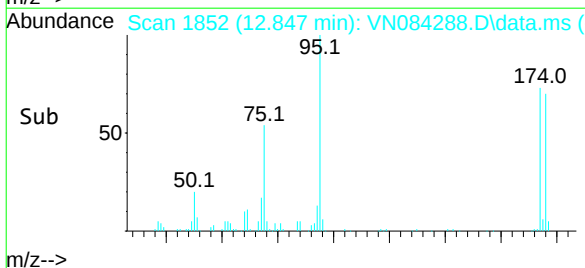
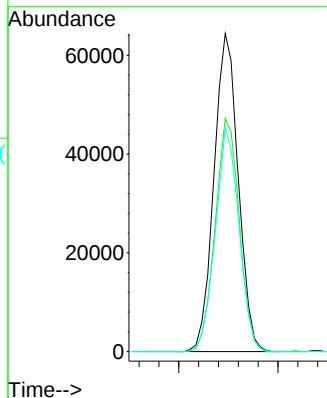
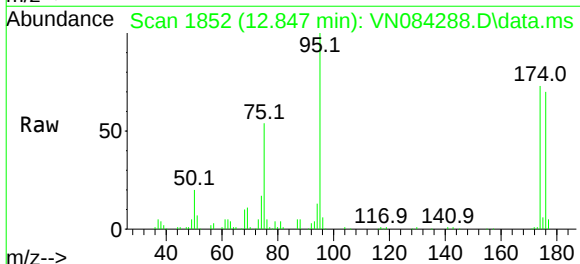
Tgt Ion: 95 Resp: 109182

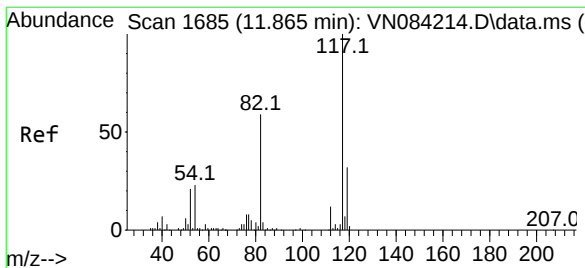
Ion Ratio Lower Upper

95 100

174 72.8 0.0 145.2

176 68.6 0.0 140.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 16

Delta R.T. -0.000 min

Lab File: VN084288.D

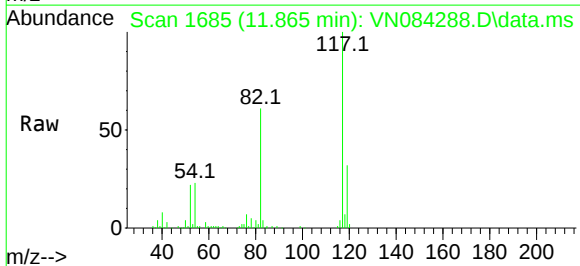
Acq: 03 Oct 2024 11:04

Instrument :

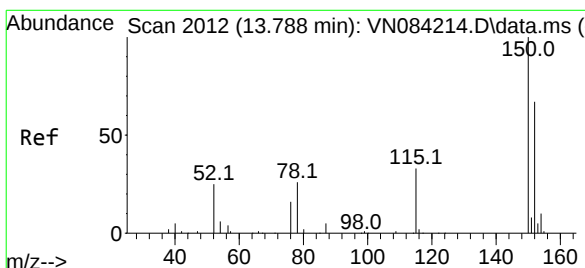
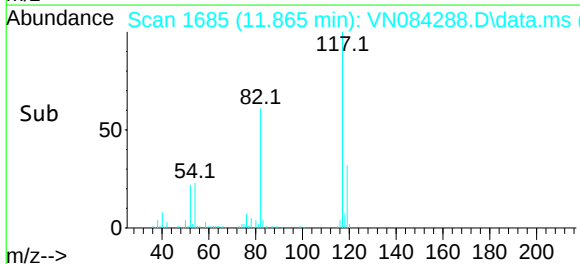
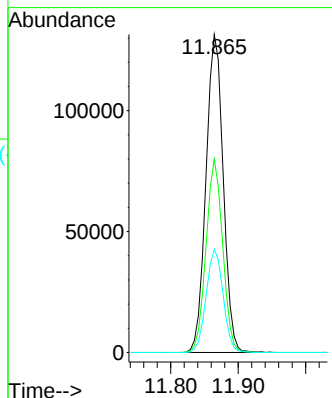
MSVOA\_N

ClientSampleId :

DUP07-20240924DL



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 233181 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 60.9  | 47.2  | 70.8   |
| 119      | 32.4  | 25.4  | 38.0   |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN084288.D

Acq: 03 Oct 2024 11:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 91147 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 63.3  | 31.3  | 93.9  |
| 150      | 156.3 | 0.0   | 349.8 |

