

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN093024\  
 Data File : VN084219.D  
 Acq On : 30 Sep 2024 15:12  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 01 07:14:29 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  | 152665   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 258188   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 216752   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 85662    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 109127   | 48.211   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 96.420% |
| 35) Dibromofluoromethane    | 8.165  | 113   | 81520    | 47.893   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 95.780% |
| 50) Toluene-d8              | 10.565 | 98    | 305069   | 48.715   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 97.420% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 99227    | 43.493   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 86.980% |

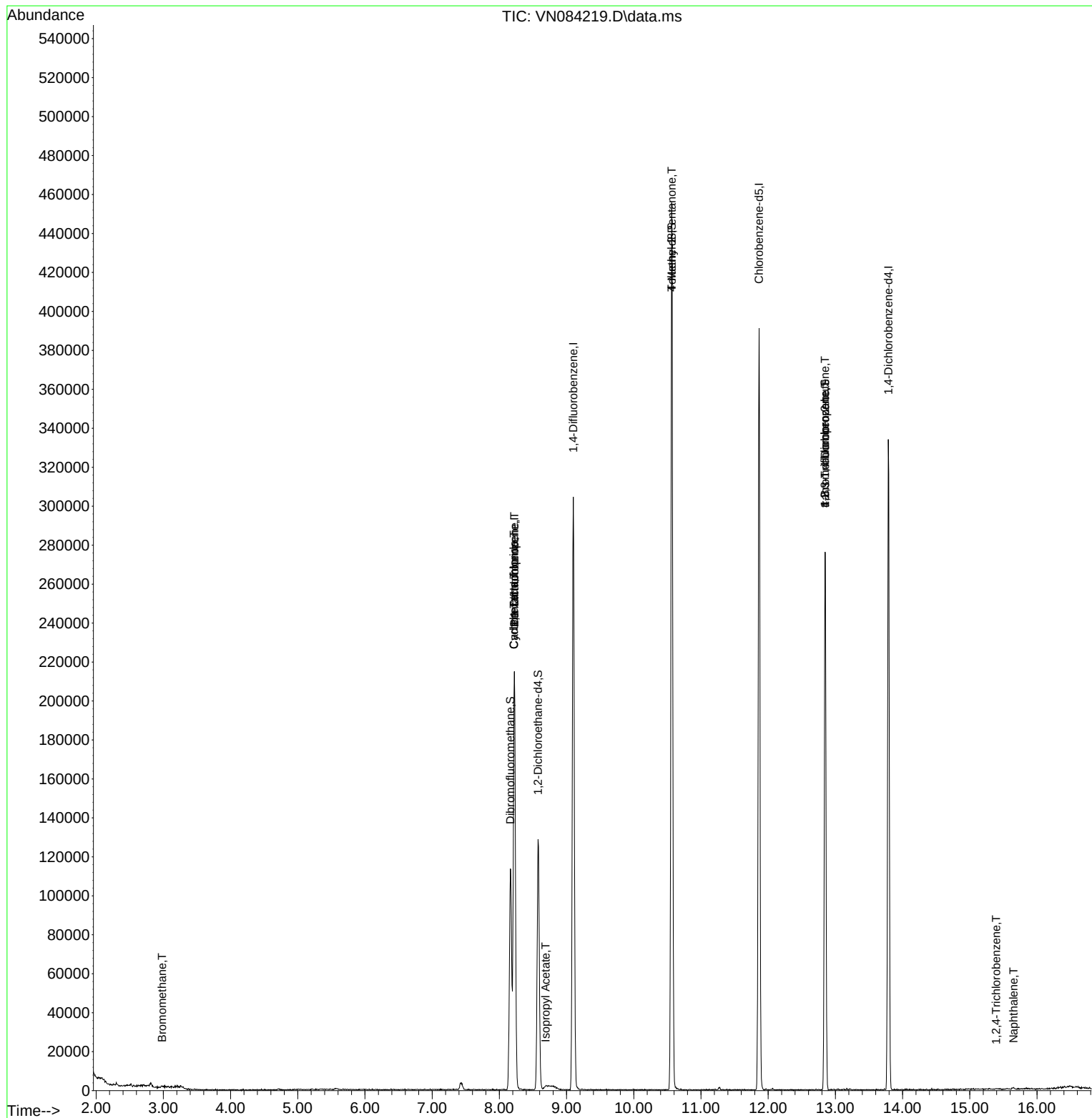
| Target Compounds              |        |     |       |        | Qvalue |    |
|-------------------------------|--------|-----|-------|--------|--------|----|
| 5) Bromomethane               | 2.983  | 94  | 440   | 0.334  | ug/l # | 61 |
| 31) Cyclohexane               | 8.218  | 56  | 3525  | 1.051  | ug/l # | 1  |
| 36) 1,1-Dichloropropene       | 8.224  | 75  | 13916 | 5.629  | ug/l # | 50 |
| 38) Carbon Tetrachloride      | 8.218  | 117 | 16597 | 6.120  | ug/l # | 16 |
| 43) Isopropyl Acetate         | 8.688  | 43  | 2044  | 0.411  | ug/l # | 56 |
| 51) 4-Methyl-2-Pentanone      | 10.565 | 43  | 1444  | 0.598  | ug/l # | 1  |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75  | 53090 | 30.358 | ug/l # | 1  |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75  | 53090 | 72.781 | ug/l # | 11 |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180 | 340   | 0.238  | ug/l # | 13 |
| 95) Naphthalene               | 15.653 | 128 | 1290  | 0.272  | ug/l # | 69 |

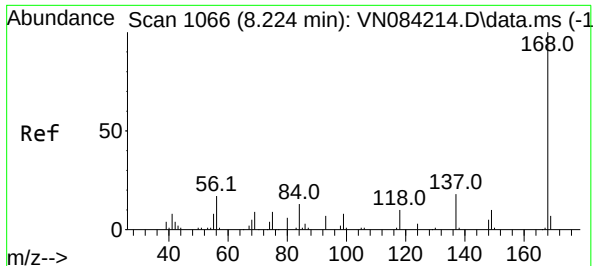
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN093024\  
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Sample : IBLK  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

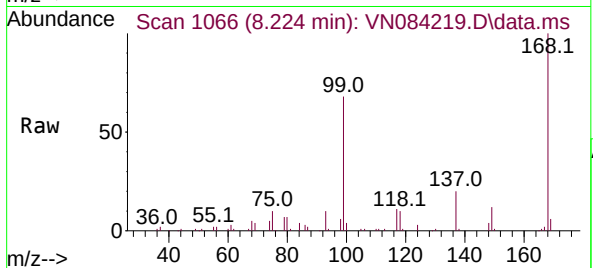
Quant Time: Oct 01 07:14:29 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 01 07:11:01 2024  
Response via : Initial Calibration



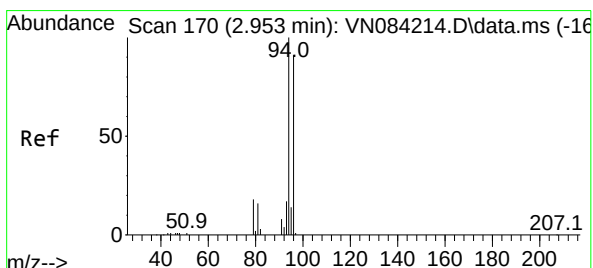
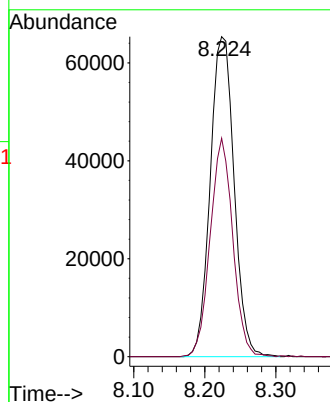
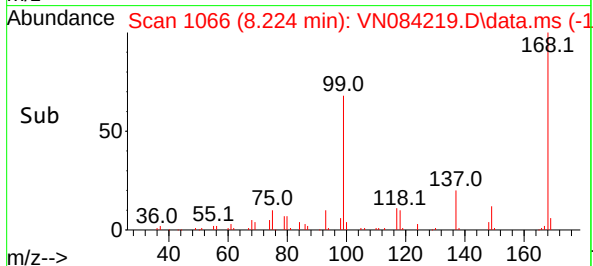


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN084219.D  
Acq: 30 Sep 2024 15:12

Instrument :  
MSVOA\_N  
ClientSampleId :

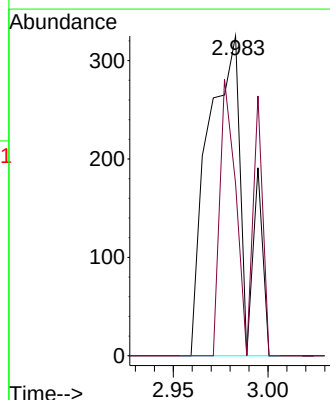
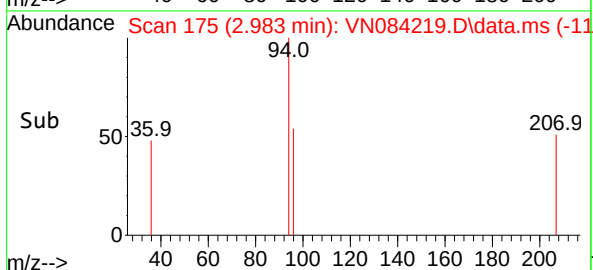
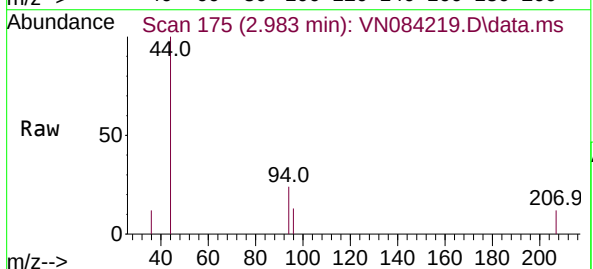


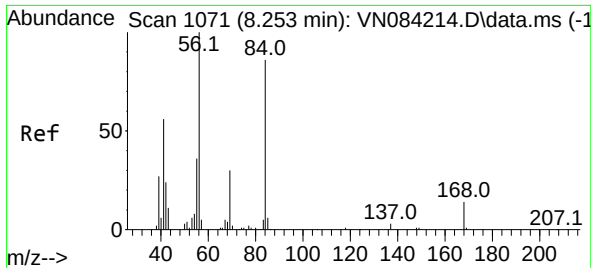
Tgt Ion:168 Resp: 152665  
Ion Ratio Lower Upper  
168 100  
99 68.2 54.2 81.2



#5  
Bromomethane  
Concen: 0.334 ug/l  
RT: 2.983 min Scan# 175  
Delta R.T. 0.029 min  
Lab File: VN084219.D  
Acq: 30 Sep 2024 15:12

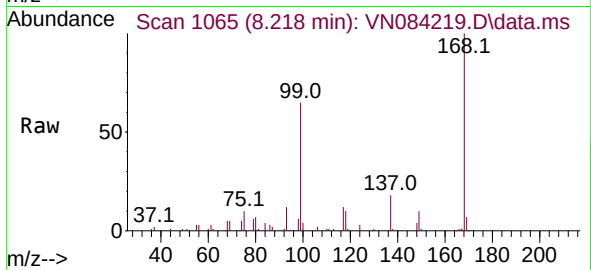
Tgt Ion: 94 Resp: 440  
Ion Ratio Lower Upper  
94 100  
96 53.8 72.9 109.3#



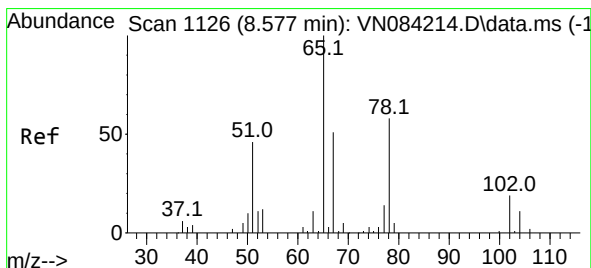
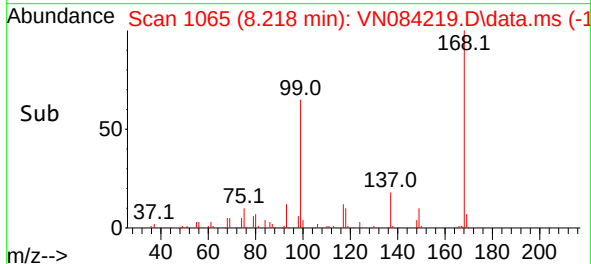
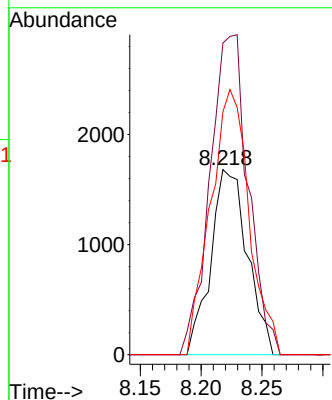


#31  
Cyclohexane  
Concen: 1.051 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.035 min  
Lab File: VN084219.D  
Acq: 30 Sep 2024 15:12

Instrument :  
MSVOA\_N  
ClientSampleId :

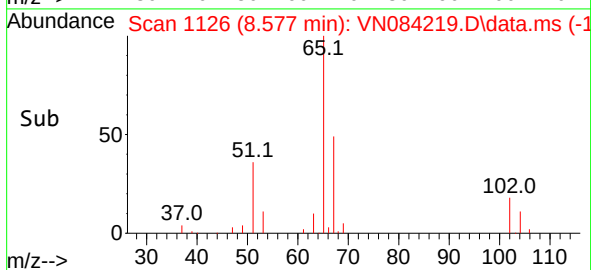
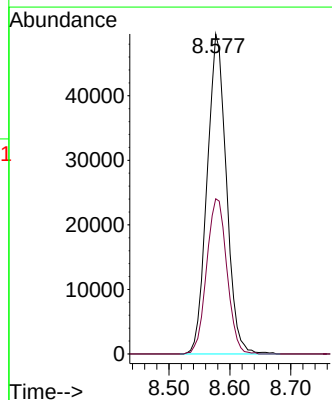
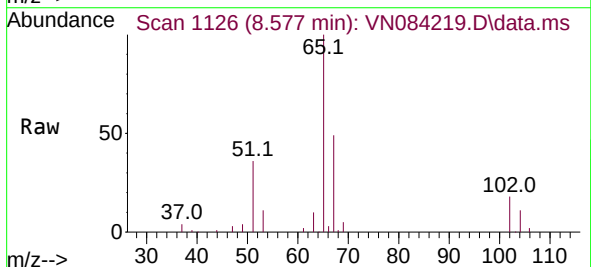


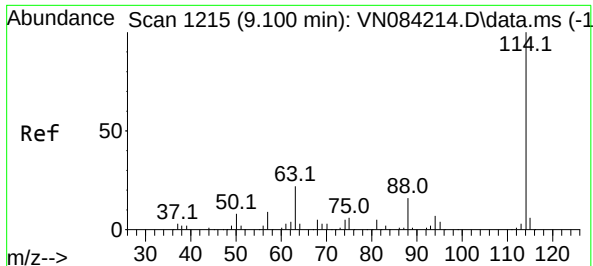
Tgt Ion: 56 Resp: 3525  
Ion Ratio Lower Upper  
56 100  
69 168.4 23.8 35.6#  
84 131.2 68.8 103.2#



#33  
1,2-Dichloroethane-d4  
Concen: 48.211 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN084219.D  
Acq: 30 Sep 2024 15:12

Tgt Ion: 65 Resp: 109127  
Ion Ratio Lower Upper  
65 100  
67 51.0 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084219.D

Acq: 30 Sep 2024 15:12

Instrument :

MSVOA\_N

ClientSampleId :

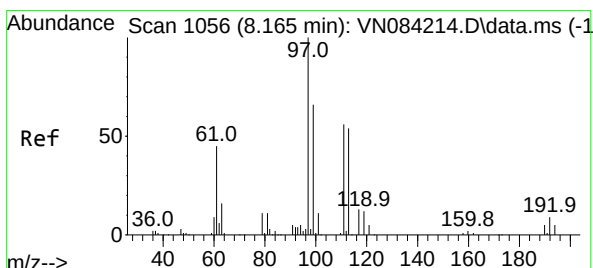
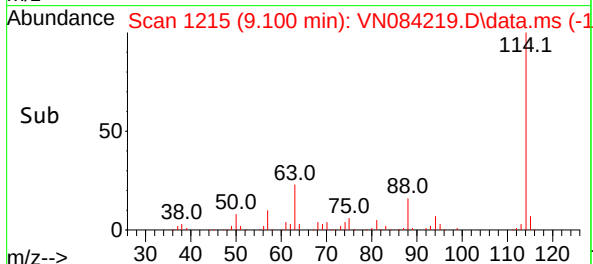
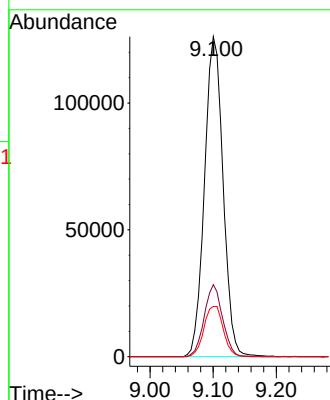
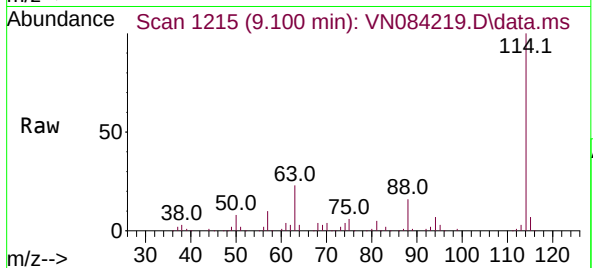
Tgt Ion:114 Resp: 258188

Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.8

88 15.7 0.0 31.6



#35

Dibromofluoromethane

Concen: 47.893 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084219.D

Acq: 30 Sep 2024 15:12

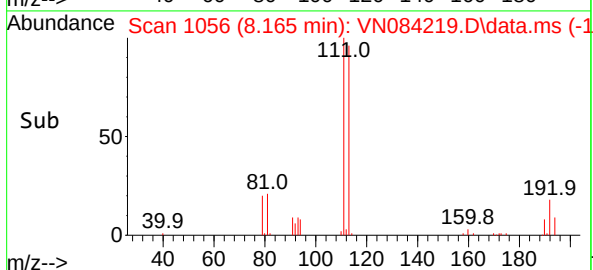
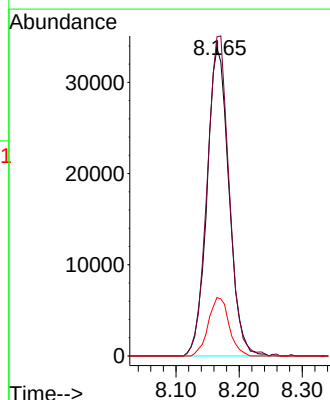
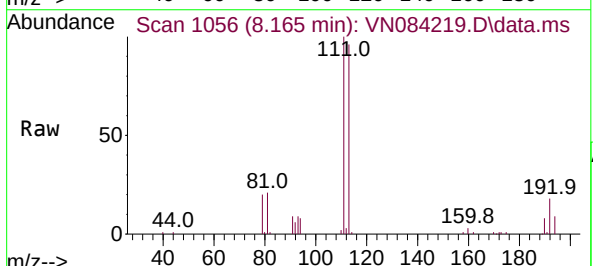
Tgt Ion:113 Resp: 81520

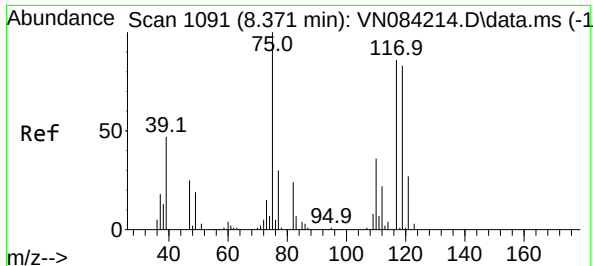
Ion Ratio Lower Upper

113 100

111 103.8 83.3 124.9

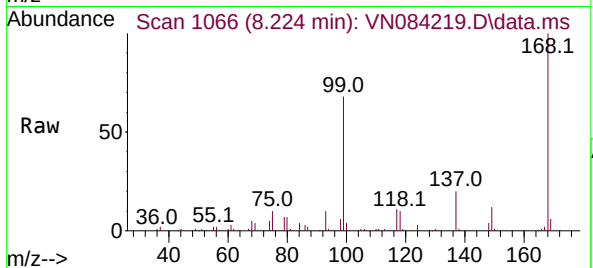
192 17.9 13.5 20.3



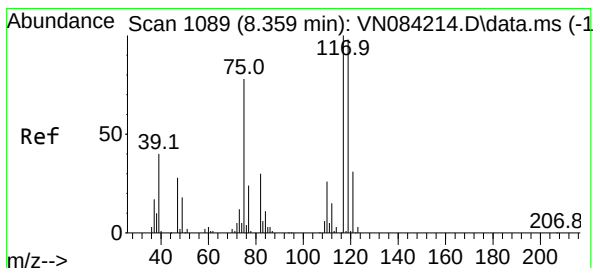
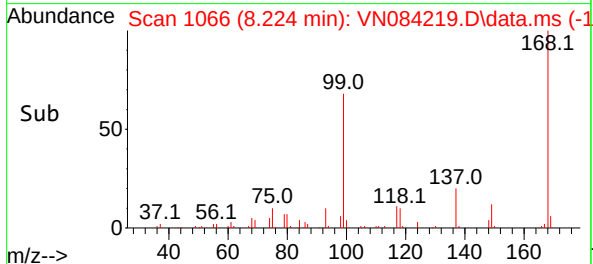
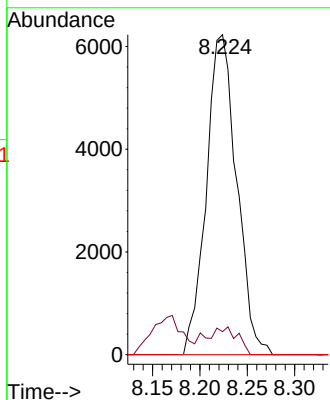


#36  
1,1-Dichloropropene  
Concen: 5.629 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.147 min  
Lab File: VN084219.D  
Acq: 30 Sep 2024 15:12

Instrument :  
MSVOA\_N  
ClientSampleId :

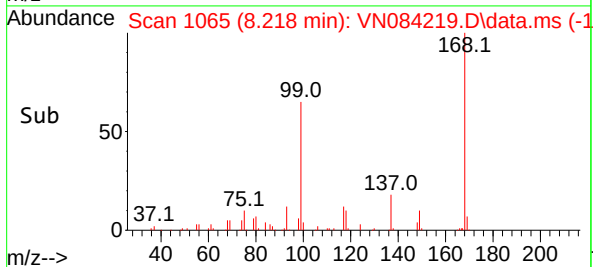
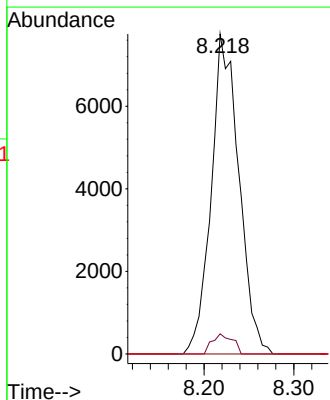
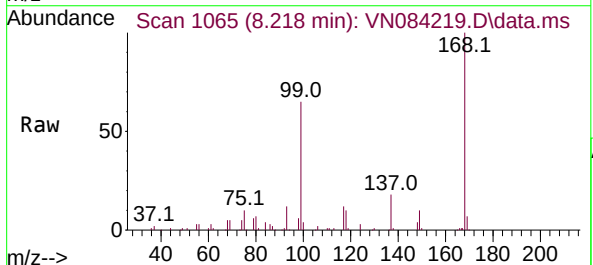


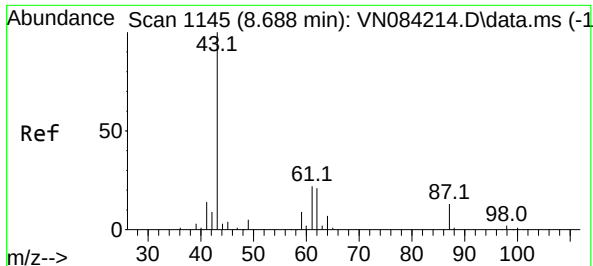
Tgt Ion: 75 Resp: 13916  
Ion Ratio Lower Upper  
75 100  
110 8.9 16.9 50.7#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 6.120 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.141 min  
Lab File: VN084219.D  
Acq: 30 Sep 2024 15:12

Tgt Ion: 117 Resp: 16597  
Ion Ratio Lower Upper  
117 100  
119 6.3 78.7 118.1#  
121 0.0 24.4 36.6#

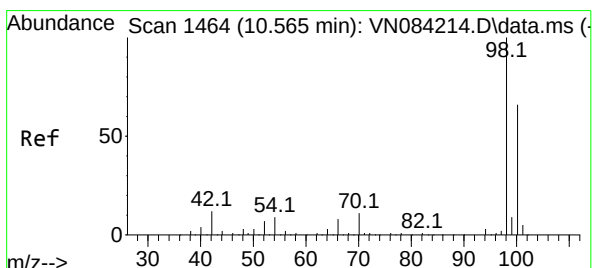
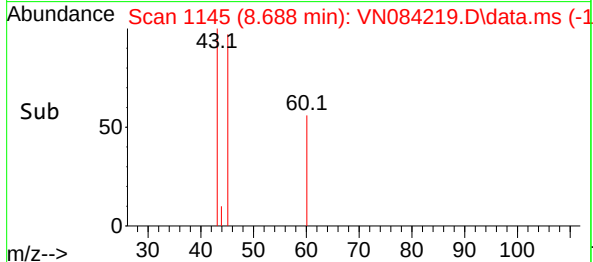
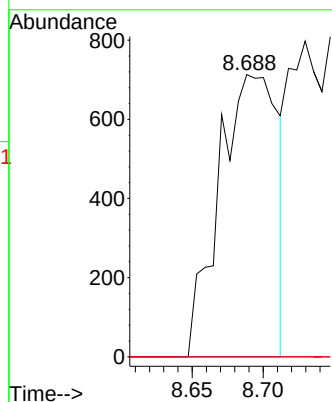
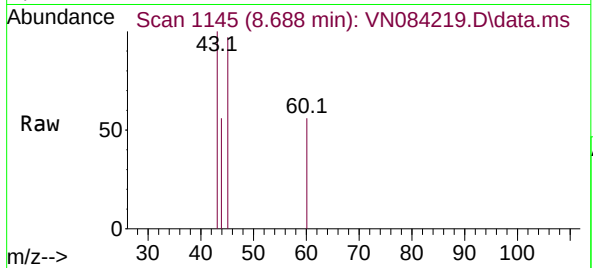




#43  
Isopropyl Acetate  
Concen: 0.411 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VN084219.D  
Acq: 30 Sep 2024 15:12

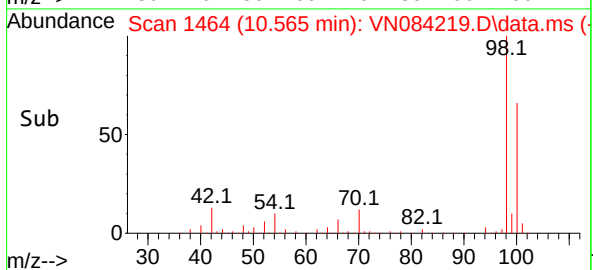
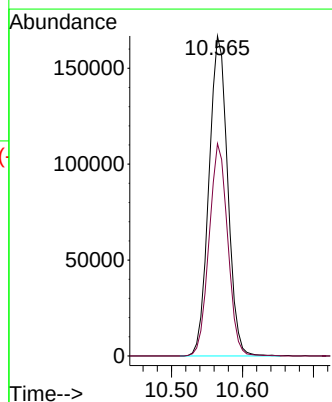
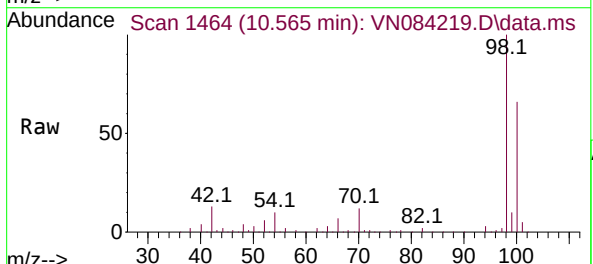
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MSVOA\_N  
ClientSampleId :

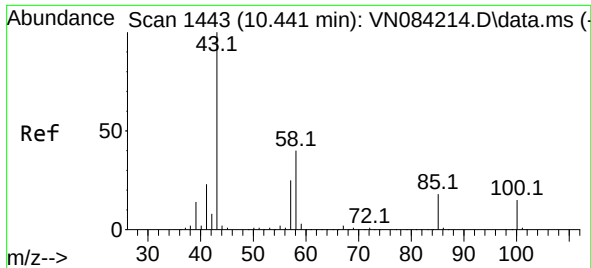
Tgt Ion: 43 Resp: 2044  
Ion Ratio Lower Upper  
43 100  
61 0.0 20.4 30.6#  
87 0.0 10.3 15.5#



#50  
Toluene-d8  
Concen: 48.715 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN084219.D  
Acq: 30 Sep 2024 15:12

Tgt Ion: 98 Resp: 305069  
Ion Ratio Lower Upper  
98 100  
100 66.0 52.7 79.1

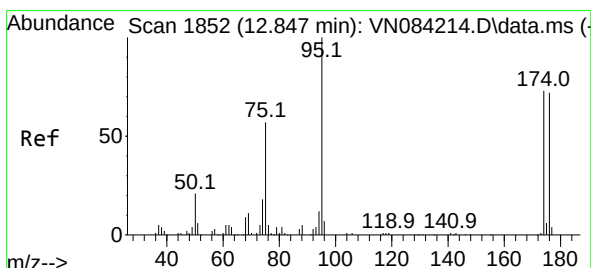
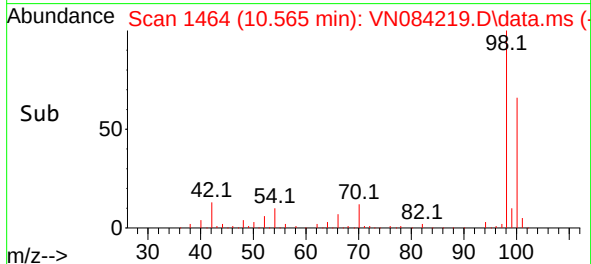
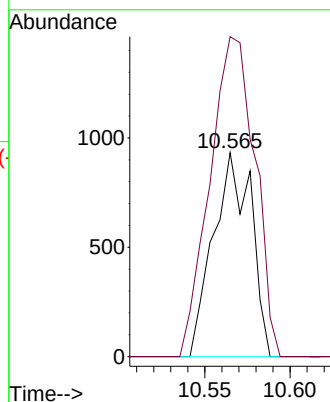
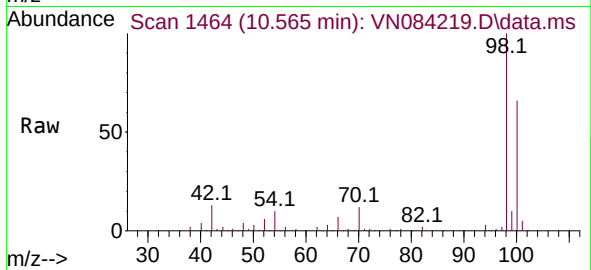




#51  
4-Methyl-2-Pentanone  
Concen: 0.598 ug/l  
RT: 10.565 min Scan# 1443  
Delta R.T. 0.124 min  
Lab File: VN084219.D  
Acq: 30 Sep 2024 15:12

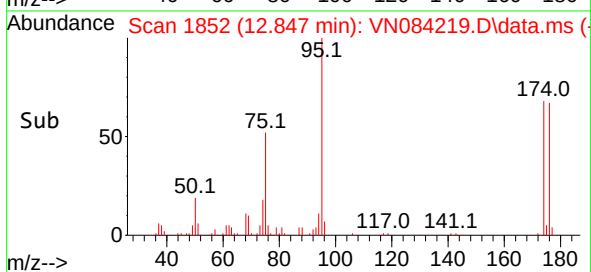
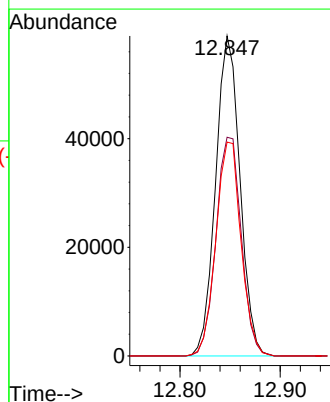
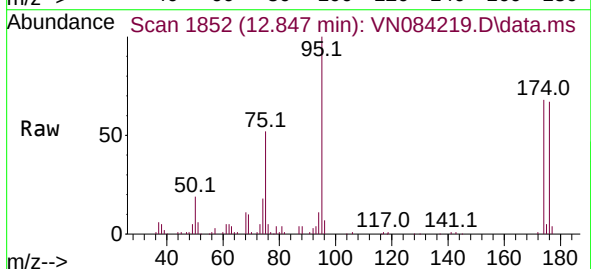
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 43 Resp: 1444  
Ion Ratio Lower Upper  
43 100  
58 186.4 31.6 47.4#

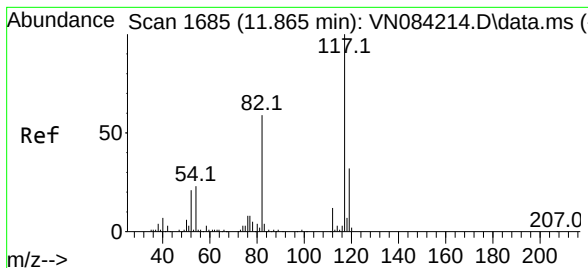


#62  
4-Bromofluorobenzene  
Concen: 43.493 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN084219.D  
Acq: 30 Sep 2024 15:12

Tgt Ion: 95 Resp: 99227  
Ion Ratio Lower Upper  
95 100  
174 70.9 0.0 145.2  
176 69.2 0.0 140.0







#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084219.D

Acq: 30 Sep 2024 15:12

Instrument :

MSVOA\_N

ClientSampleId :

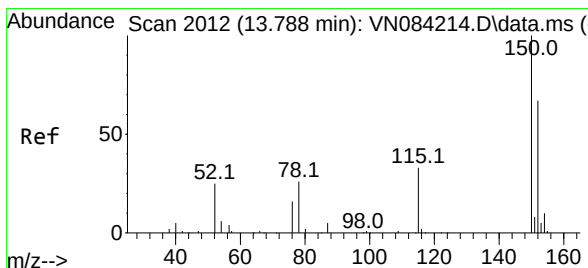
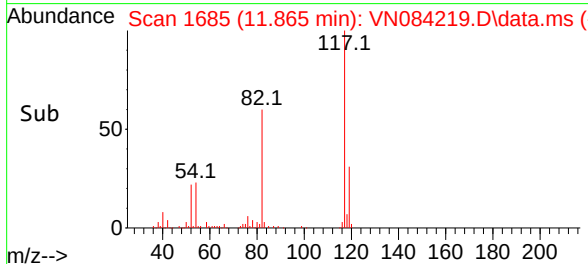
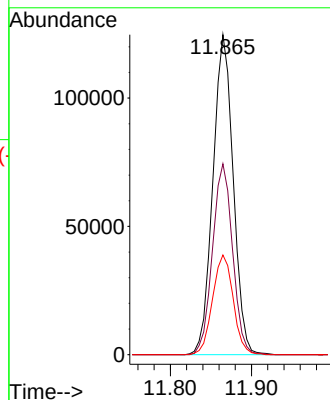
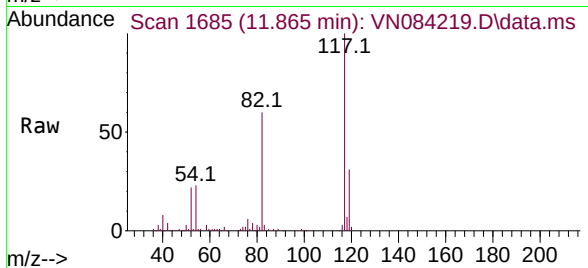
Tgt Ion:117 Resp: 216752

Ion Ratio Lower Upper

117 100

82 59.7 47.2 70.8

119 31.1 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: VN084219.D

Acq: 30 Sep 2024 15:12

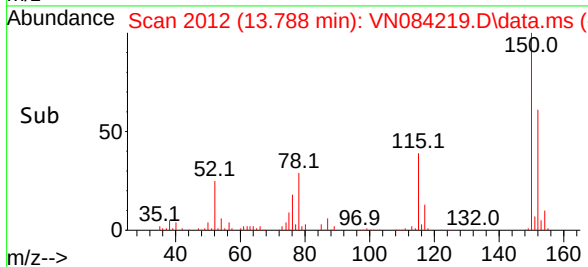
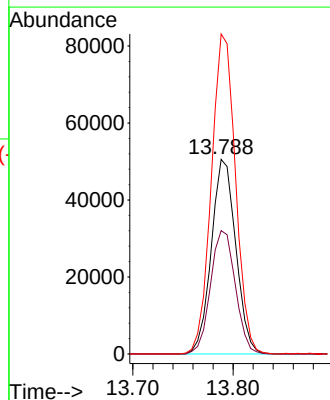
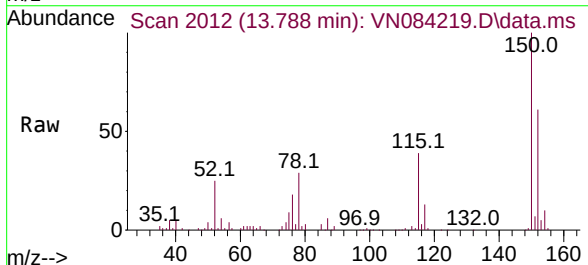
Tgt Ion:152 Resp: 85662

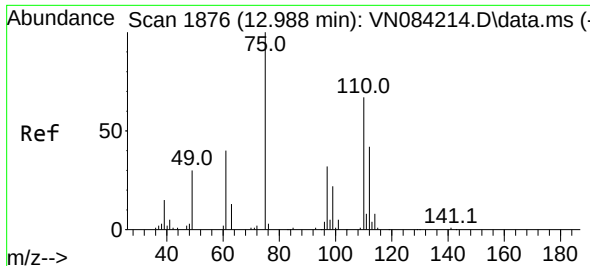
Ion Ratio Lower Upper

152 100

115 64.1 31.3 93.9

150 162.1 0.0 349.8

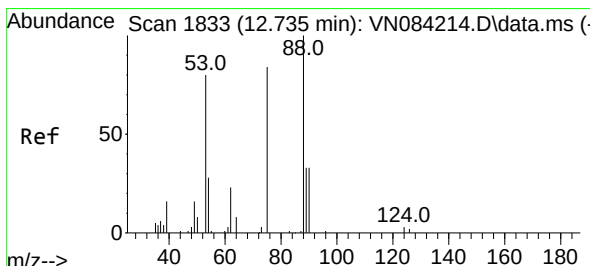
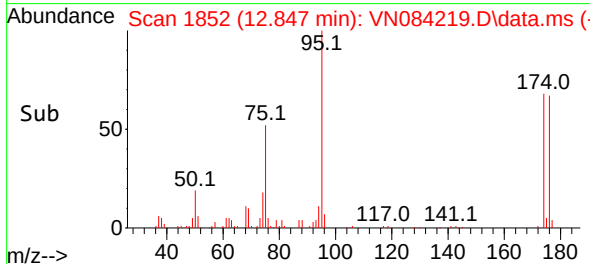
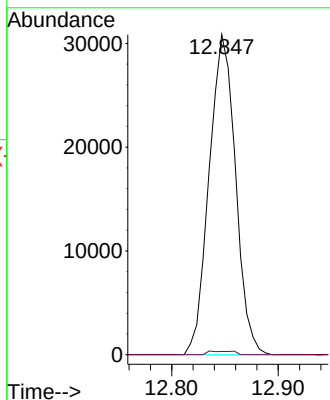
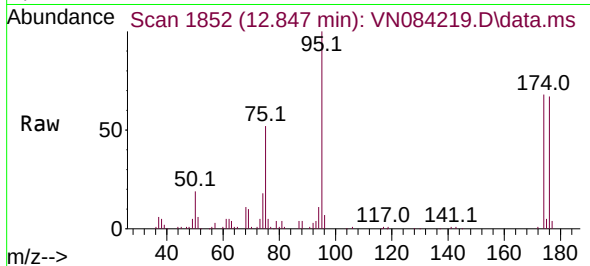




#76  
1,2,3-Trichloropropane  
Concen: 30.358 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.141 min  
Lab File: VN084219.D  
Acq: 30 Sep 2024 15:12

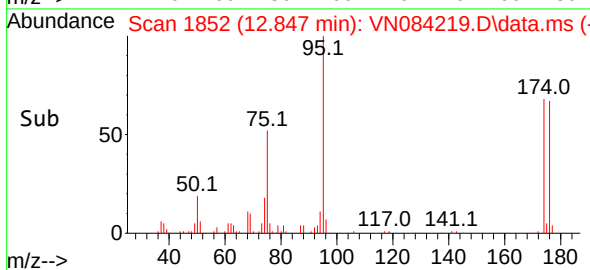
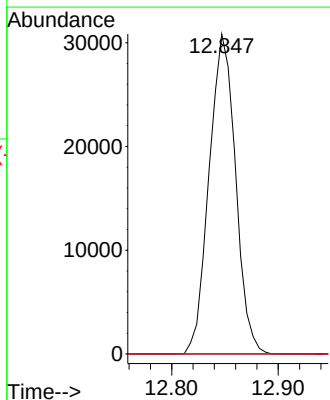
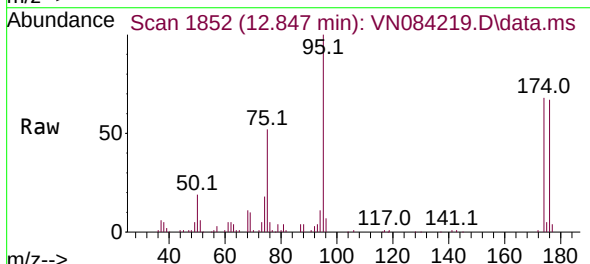
Instrument :  
MSVOA\_N  
ClientSampleId :

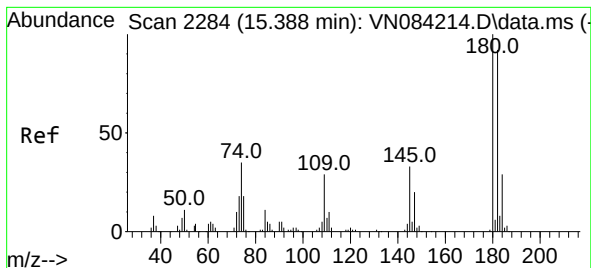
Tgt Ion: 75 Resp: 53090  
Ion Ratio Lower Upper  
75 100  
77 1.1 96.9 290.7#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 72.781 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.112 min  
Lab File: VN084219.D  
Acq: 30 Sep 2024 15:12

Tgt Ion: 75 Resp: 53090  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 35.5 53.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.238 ug/l

RT: 15.394 min Scan# 21

Delta R.T. 0.006 min

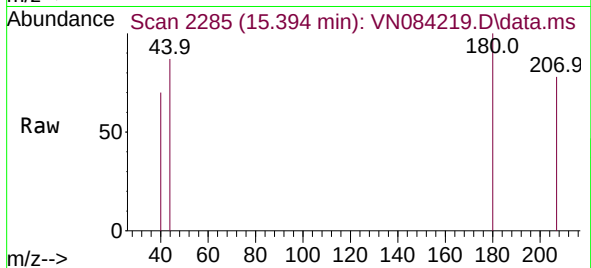
Lab File: VN084219.D

Acq: 30 Sep 2024 15:12

Instrument :

MSVOA\_N

ClientSampleId :



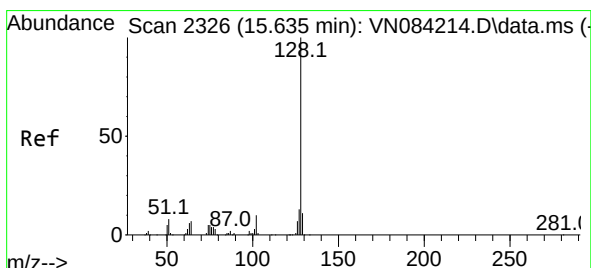
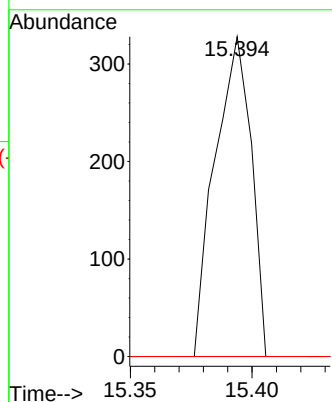
Tgt Ion:180 Resp: 340

Ion Ratio Lower Upper

180 100

182 0.0 47.0 141.0#

145 0.0 16.4 49.4#



#95

Naphthalene

Concen: 0.272 ug/l

RT: 15.653 min Scan# 2329

Delta R.T. 0.018 min

Lab File: VN084219.D

Acq: 30 Sep 2024 15:12

Tgt Ion:128 Resp: 1290

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.7 13.1#

