

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100324\  
 Data File : VN084292.D  
 Acq On : 03 Oct 2024 12:40  
 Operator : JC\MD  
 Sample : P4226-29  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB

Quant Time: Oct 04 01:33:14 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

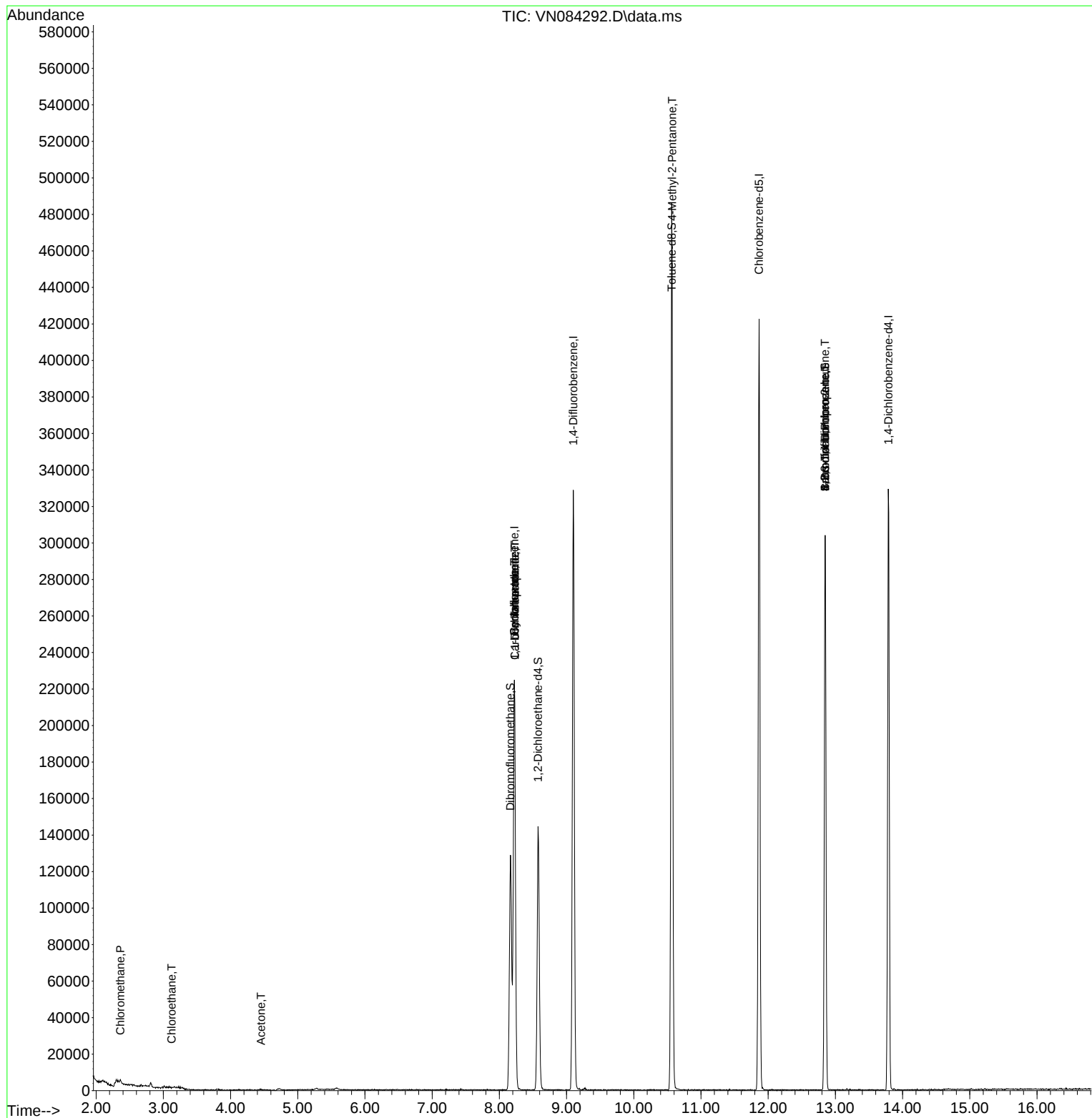
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 8.224  | 168   | 159555   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100  | 114   | 277081   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.865 | 117   | 230244   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.788 | 152   | 89389    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.577  | 65    | 117943   | 49.855   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | =      | 99.720%  |
| 35) Dibromofluoromethane      | 8.165  | 113   | 91493    | 50.087   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 100.180% |
| 50) Toluene-d8                | 10.565 | 98    | 330675   | 49.203   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | =      | 98.400%  |
| 62) 4-Bromofluorobenzene      | 12.847 | 95    | 107726   | 43.999   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | =      | 88.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 2.359  | 50    | 1586     | 0.736    | ug/l # | 86       |
| 6) Chloroethane               | 3.124  | 64    | 442      | 0.296    | ug/l # | 45       |
| 16) Acetone                   | 4.453  | 43    | 773      | 0.761    | ug/l # | 44       |
| 31) Cyclohexane               | 8.224  | 56    | 3877     | 1.106    | ug/l # | 8        |
| 36) 1,1-Dichloropropene       | 8.229  | 75    | 13971    | 5.265    | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 8.229  | 117   | 18210    | 6.257    | ug/l # | 14       |
| 51) 4-Methyl-2-Pentanone      | 10.571 | 43    | 1393     | 0.538    | ug/l # | 1        |
| 71) Bromoform                 | 12.847 | 173   | 826      | 0.638    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75    | 57830    | 31.689   | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75    | 57830    | 75.974   | ug/l # | 11       |
| -----                         |        |       |          |          |        |          |

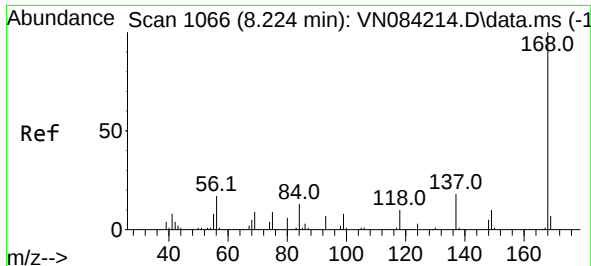
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

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Quant Title : SW846 8260  
QLast Update : Tue Oct 01 07:11:01 2024  
Response via : Initial Calibration

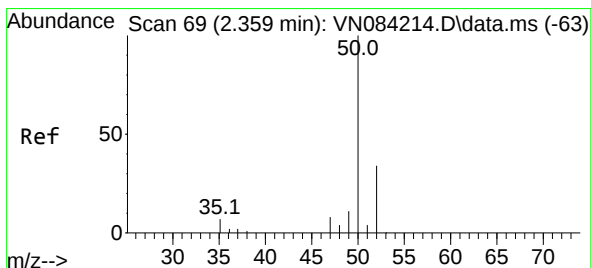
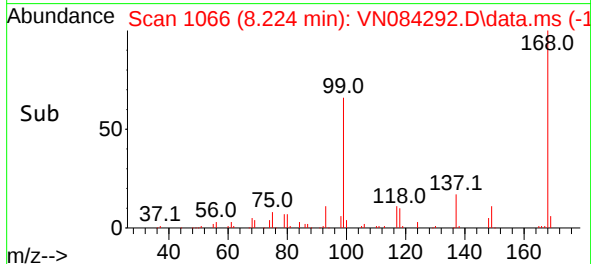
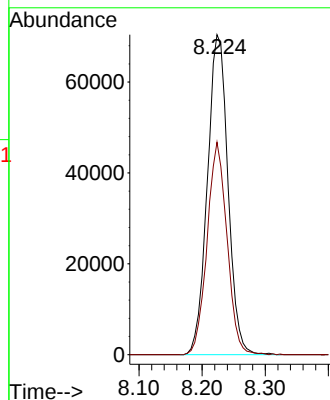
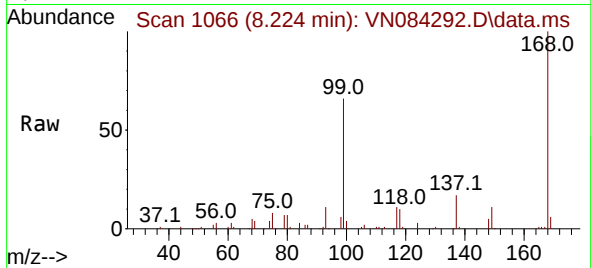




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN084292.D  
Acq: 03 Oct 2024 12:40

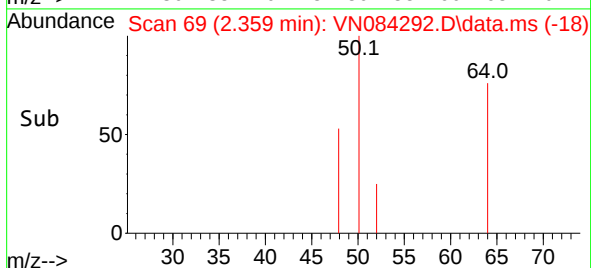
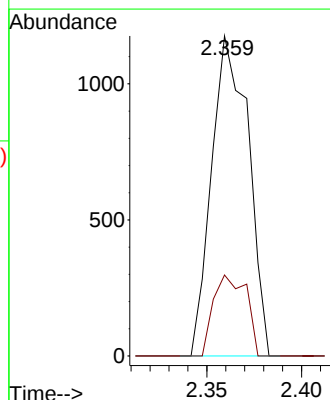
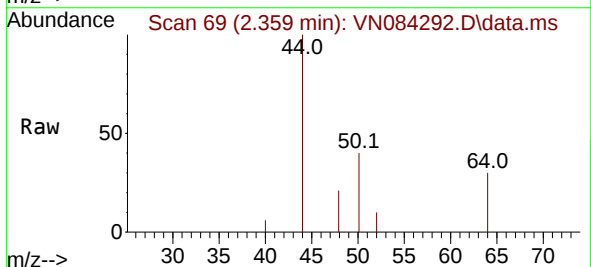
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

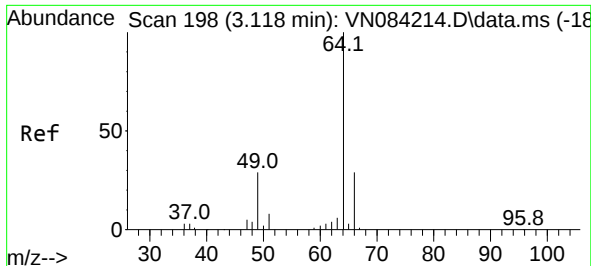
Tgt Ion:168 Resp: 159555  
Ion Ratio Lower Upper  
168 100  
99 66.4 54.2 81.2



#3  
Chloromethane  
Concen: 0.736 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. -0.000 min  
Lab File: VN084292.D  
Acq: 03 Oct 2024 12:40

Tgt Ion: 50 Resp: 1586  
Ion Ratio Lower Upper  
50 100  
52 25.3 26.8 40.2#

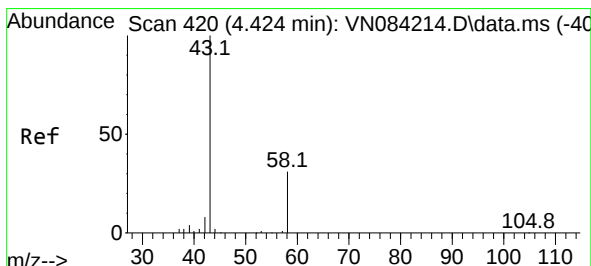
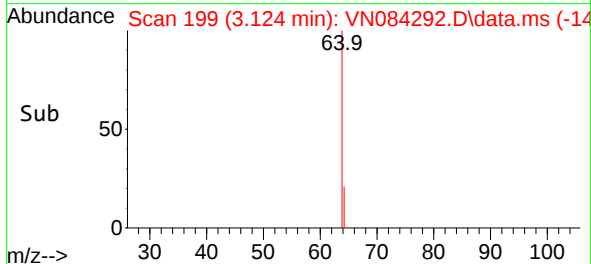
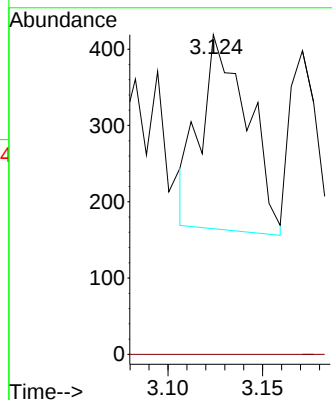
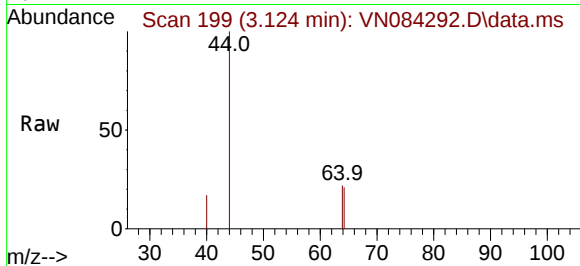




#6  
Chloroethane  
Concen: 0.296 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. 0.006 min  
Lab File: VN084292.D  
Acq: 03 Oct 2024 12:40

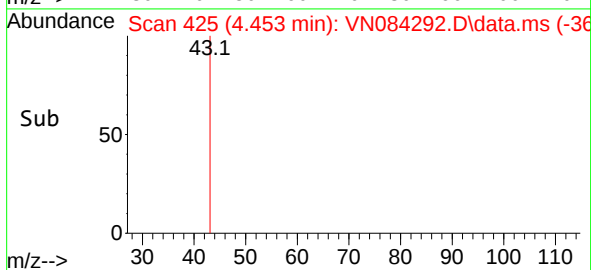
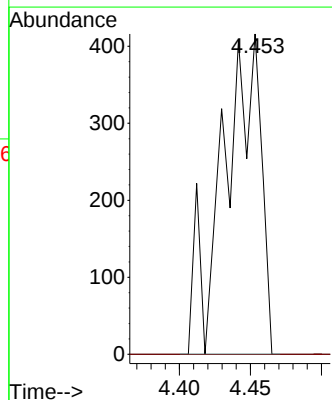
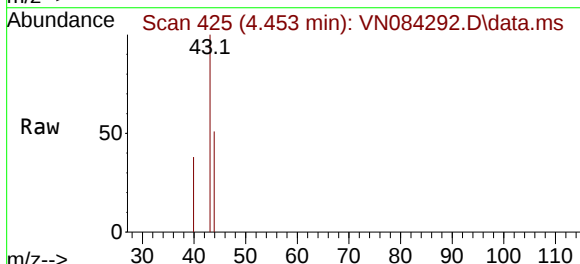
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

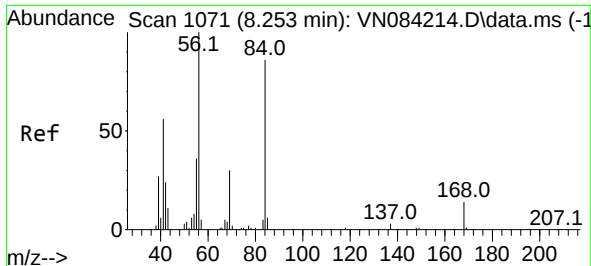
Tgt Ion: 64 Resp: 442  
Ion Ratio Lower Upper  
64 100  
66 0.0 23.5 35.3#



#16  
Acetone  
Concen: 0.761 ug/l  
RT: 4.453 min Scan# 425  
Delta R.T. 0.029 min  
Lab File: VN084292.D  
Acq: 03 Oct 2024 12:40

Tgt Ion: 43 Resp: 773  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.4 36.6#

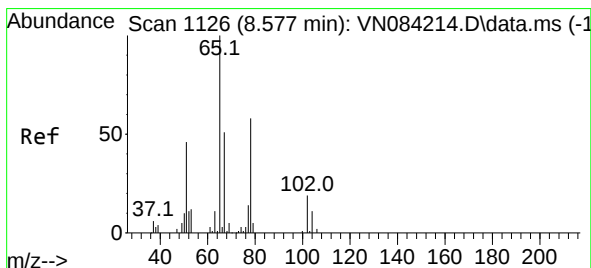
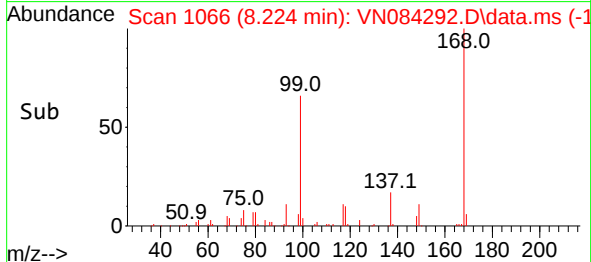
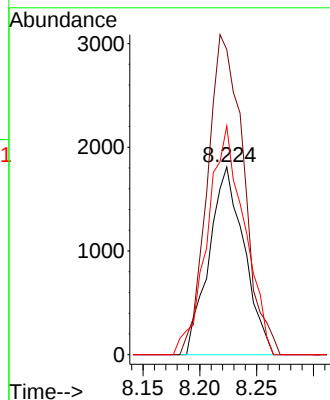
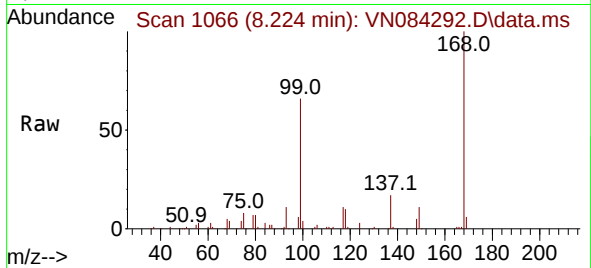




#31  
Cyclohexane  
Concen: 1.106 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.030 min  
Lab File: VN084292.D  
Acq: 03 Oct 2024 12:40

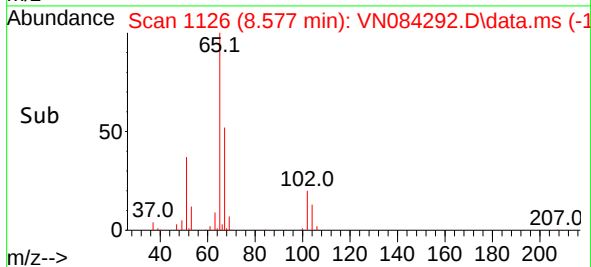
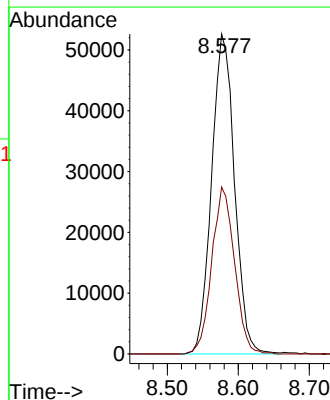
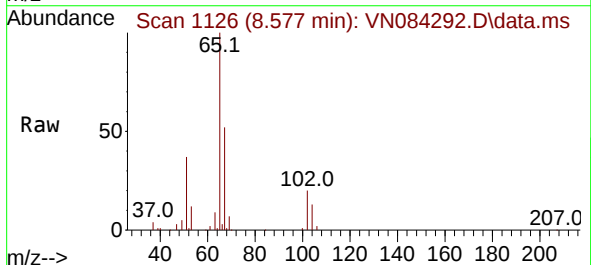
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

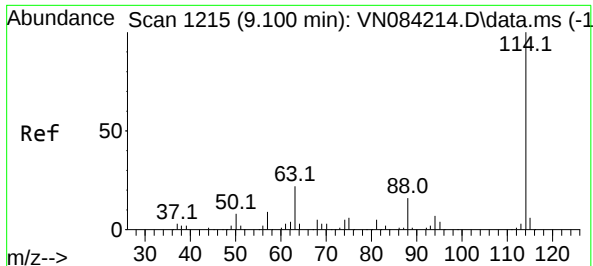
Tgt Ion: 56 Resp: 3877  
Ion Ratio Lower Upper  
56 100  
69 162.6 23.8 35.6#  
84 121.8 68.8 103.2#



#33  
1,2-Dichloroethane-d4  
Concen: 49.855 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN084292.D  
Acq: 03 Oct 2024 12:40

Tgt Ion: 65 Resp: 117943  
Ion Ratio Lower Upper  
65 100  
67 51.7 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN084292.D

Acq: 03 Oct 2024 12:40

Instrument :

MSVOA\_N

ClientSampleId :

TB

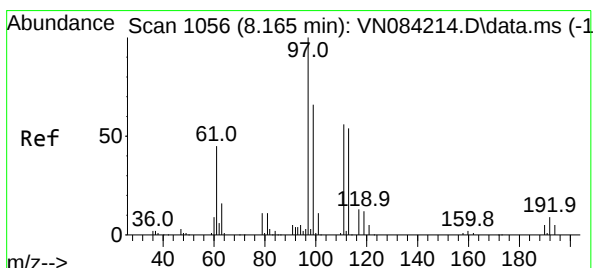
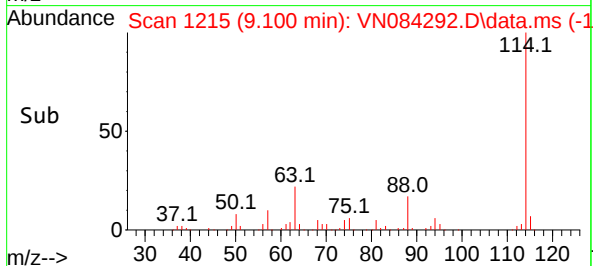
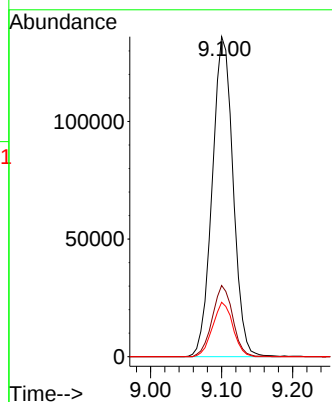
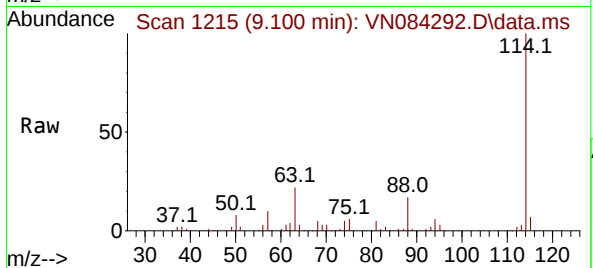
Tgt Ion:114 Resp: 277081

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.8

88 17.0 0.0 31.6



#35

Dibromofluoromethane

Concen: 50.087 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084292.D

Acq: 03 Oct 2024 12:40

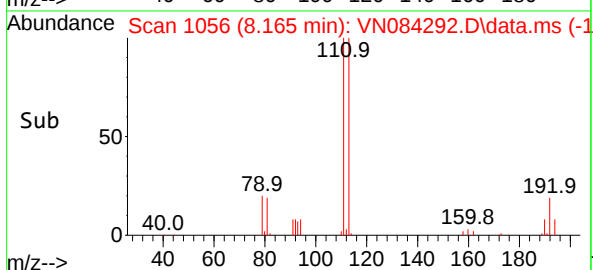
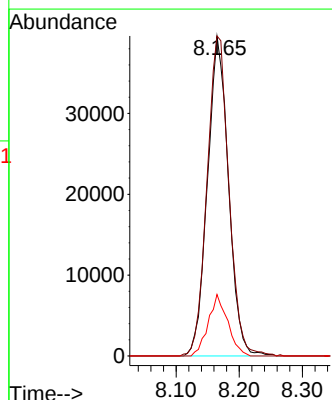
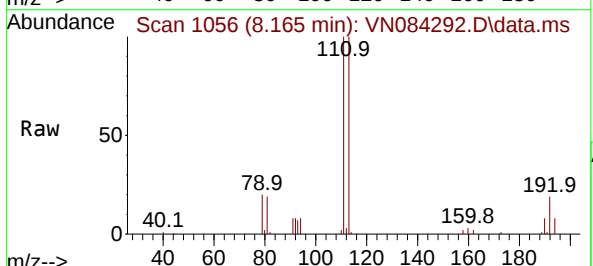
Tgt Ion:113 Resp: 91493

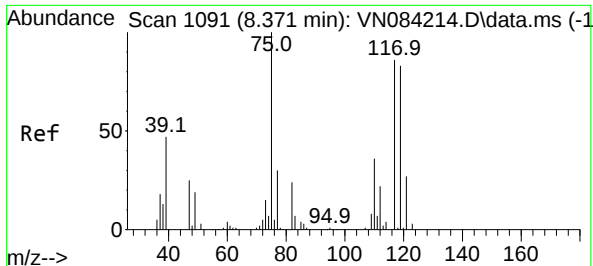
Ion Ratio Lower Upper

113 100

111 103.8 83.3 124.9

192 17.8 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.265 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN084292.D

Acq: 03 Oct 2024 12:40

Instrument :

MSVOA\_N

ClientSampleId :

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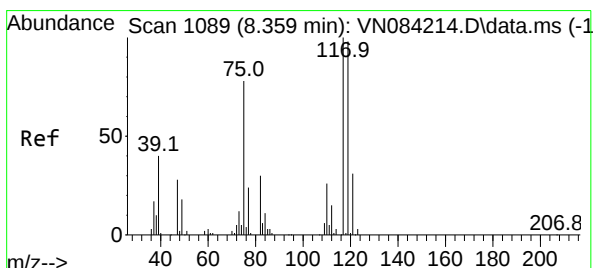
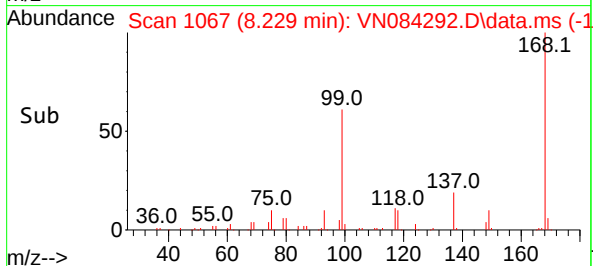
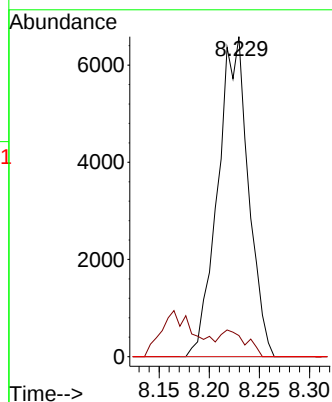
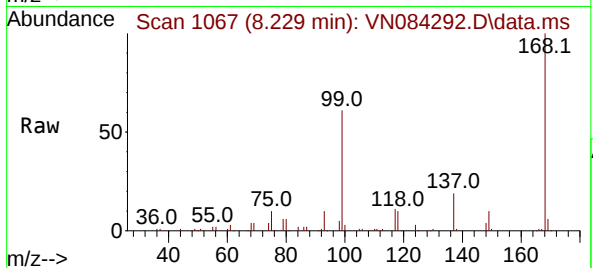
Tgt Ion: 75 Resp: 13971

Ion Ratio Lower Upper

75 100

110 6.9 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.257 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.130 min

Lab File: VN084292.D

Acq: 03 Oct 2024 12:40

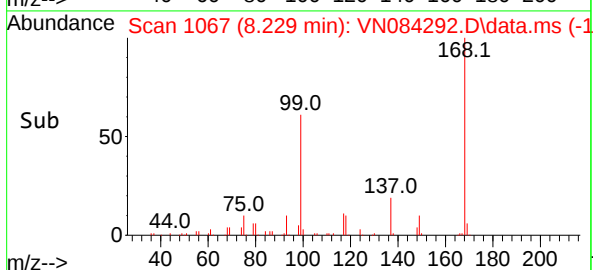
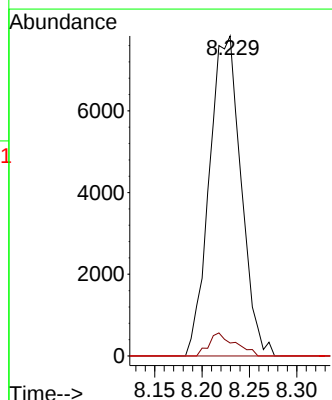
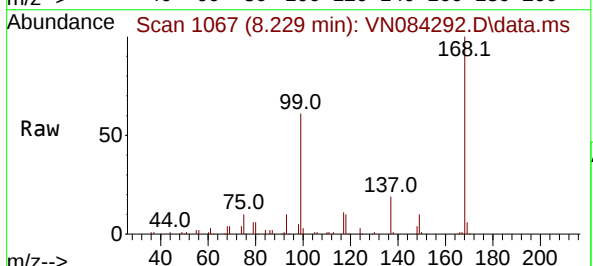
Tgt Ion: 117 Resp: 18210

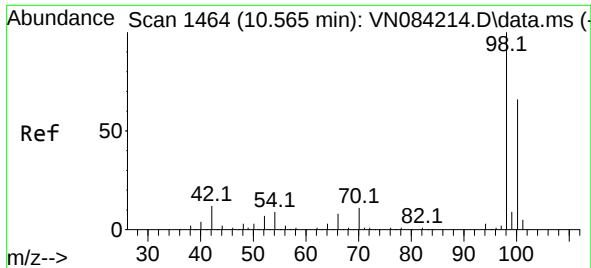
Ion Ratio Lower Upper

117 100

119 4.0 78.7 118.1#

121 0.0 24.4 36.6#

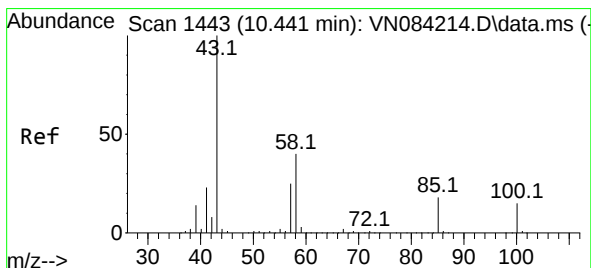
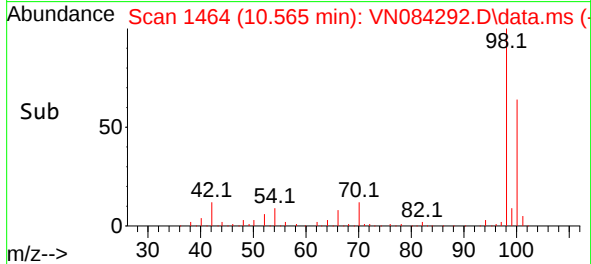
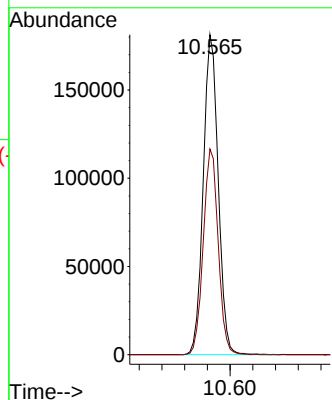
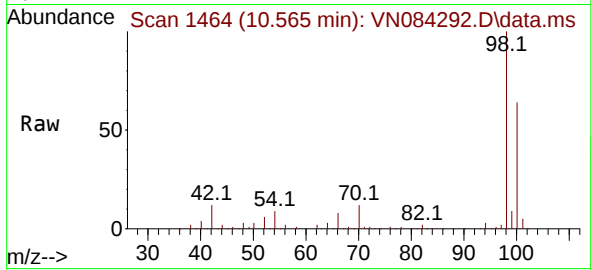




#50  
Toluene-d8  
Concen: 49.203 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN084292.D  
Acq: 03 Oct 2024 12:40

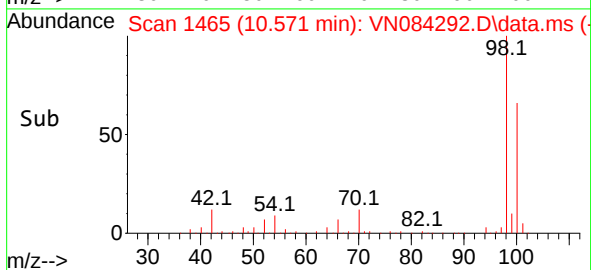
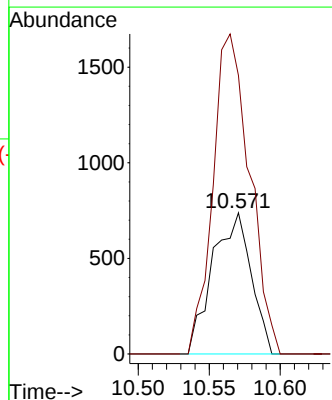
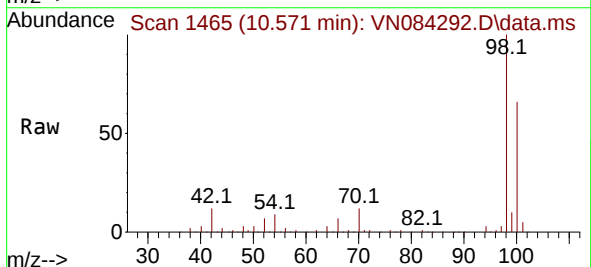
Instrument :  
MSVOA\_N  
ClientSampleId :  
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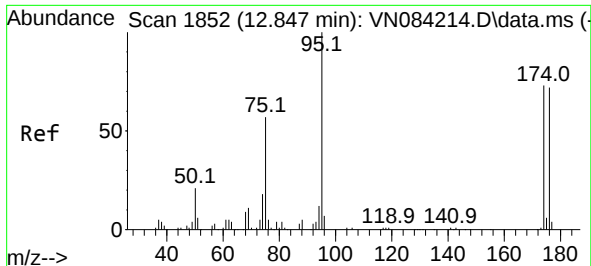
Tgt Ion: 98 Resp: 330675  
Ion Ratio Lower Upper  
98 100  
100 64.1 52.7 79.1



#51  
4-Methyl-2-Pentanone  
Concen: 0.538 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.129 min  
Lab File: VN084292.D  
Acq: 03 Oct 2024 12:40

Tgt Ion: 43 Resp: 1393  
Ion Ratio Lower Upper  
43 100  
58 216.7 31.6 47.4#

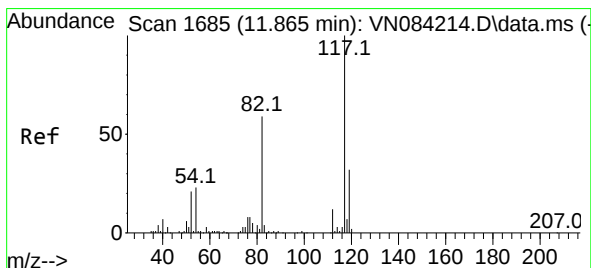
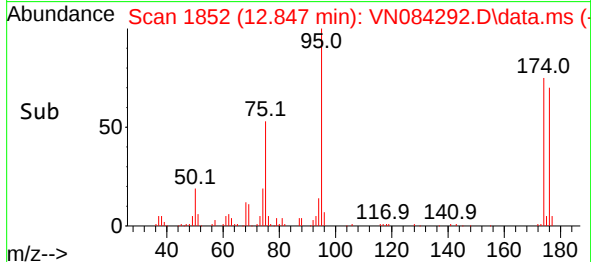
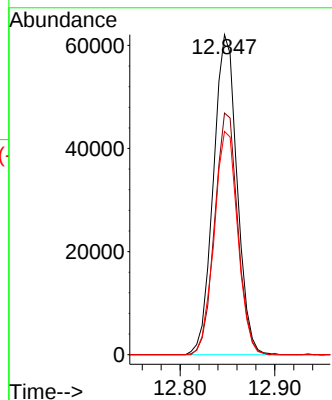
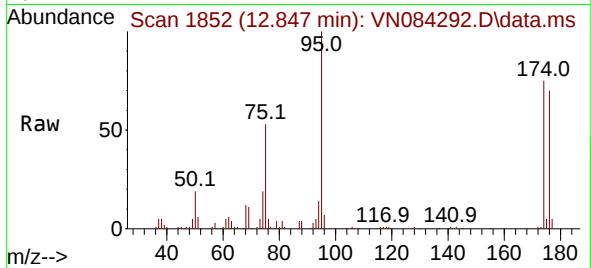




#62  
4-Bromofluorobenzene  
Concen: 43.999 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN084292.D  
Acq: 03 Oct 2024 12:40

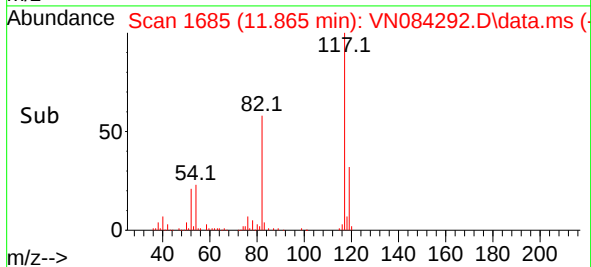
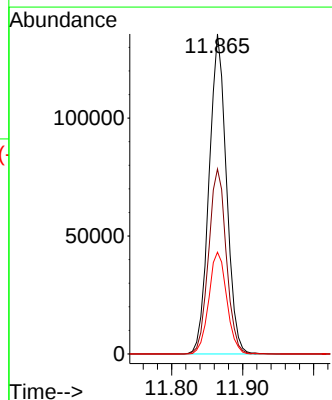
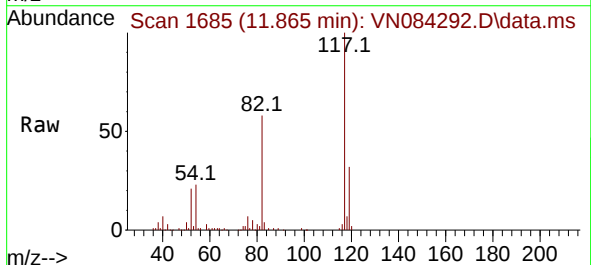
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

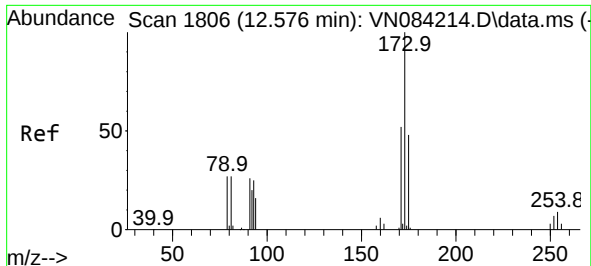
Tgt Ion: 95 Resp: 107726  
Ion Ratio Lower Upper  
95 100  
174 73.8 0.0 145.2  
176 69.7 0.0 140.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN084292.D  
Acq: 03 Oct 2024 12:40

Tgt Ion: 117 Resp: 230244  
Ion Ratio Lower Upper  
117 100  
82 57.8 47.2 70.8  
119 31.8 25.4 38.0

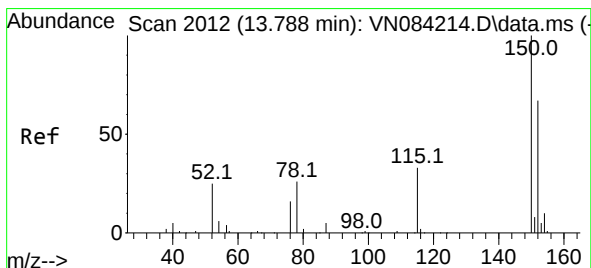
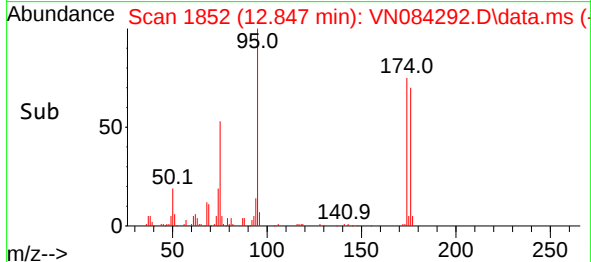
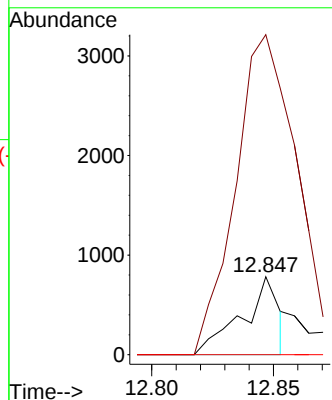
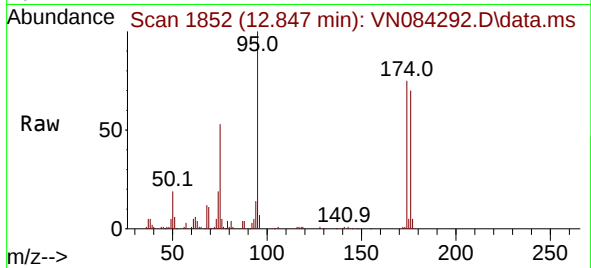




#71  
Bromoform  
Concen: 0.638 ug/l  
RT: 12.847 min Scan# 1806  
Delta R.T. 0.270 min  
Lab File: VN084292.D  
Acq: 03 Oct 2024 12:40

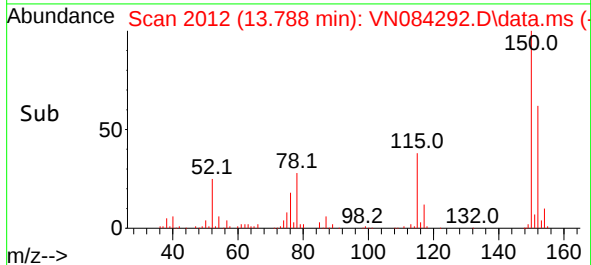
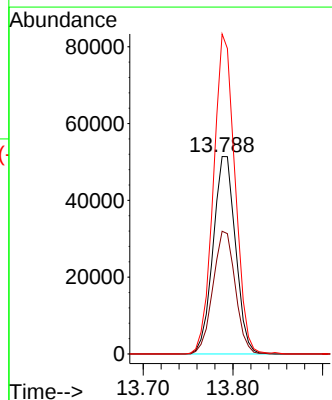
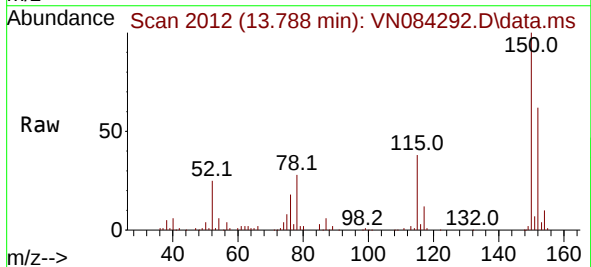
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

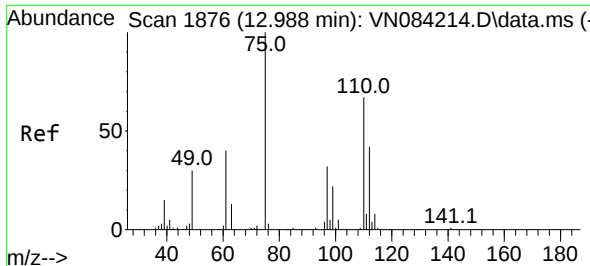
Tgt Ion:173 Resp: 826  
Ion Ratio Lower Upper  
173 100  
175 515.0 23.5 70.6#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. -0.000 min  
Lab File: VN084292.D  
Acq: 03 Oct 2024 12:40

Tgt Ion:152 Resp: 89389  
Ion Ratio Lower Upper  
152 100  
115 61.7 31.3 93.9  
150 155.6 0.0 349.8

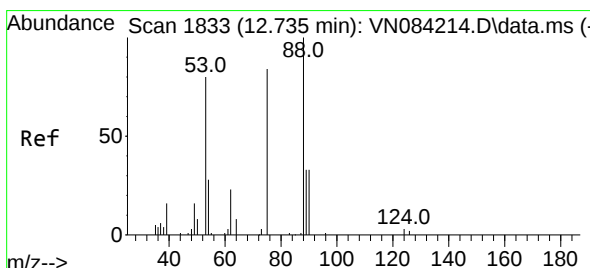
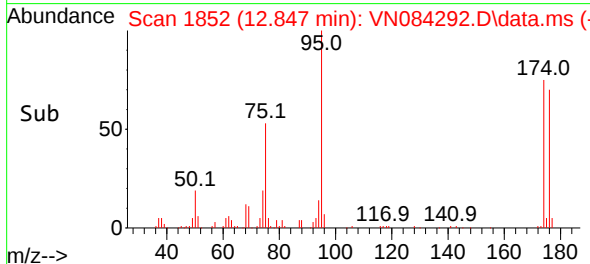
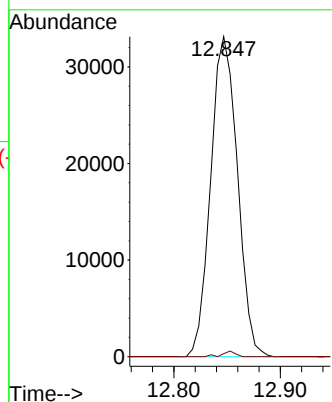
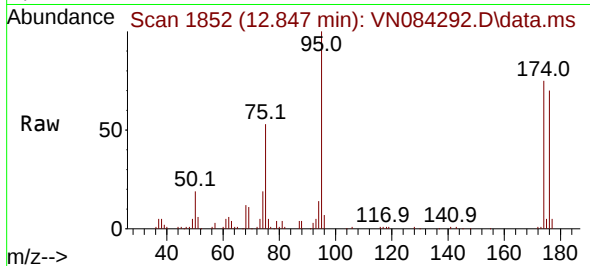




#76  
1,2,3-Trichloropropane  
Concen: 31.689 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.141 min  
Lab File: VN084292.D  
Acq: 03 Oct 2024 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
TB

Tgt Ion: 75 Resp: 57830  
Ion Ratio Lower Upper  
75 100  
77 0.8 96.9 290.7#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 75.974 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.112 min  
Lab File: VN084292.D  
Acq: 03 Oct 2024 12:40

Tgt Ion: 75 Resp: 57830  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 35.5 53.3#

