

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111424\  
 Data File : VN084851.D  
 Acq On : 14 Nov 2024 14:59  
 Operator : JC\MD  
 Sample : P4718-05  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Nov 15 00:48:01 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 31 18:45:38 2024  
 Response via : Initial Calibration

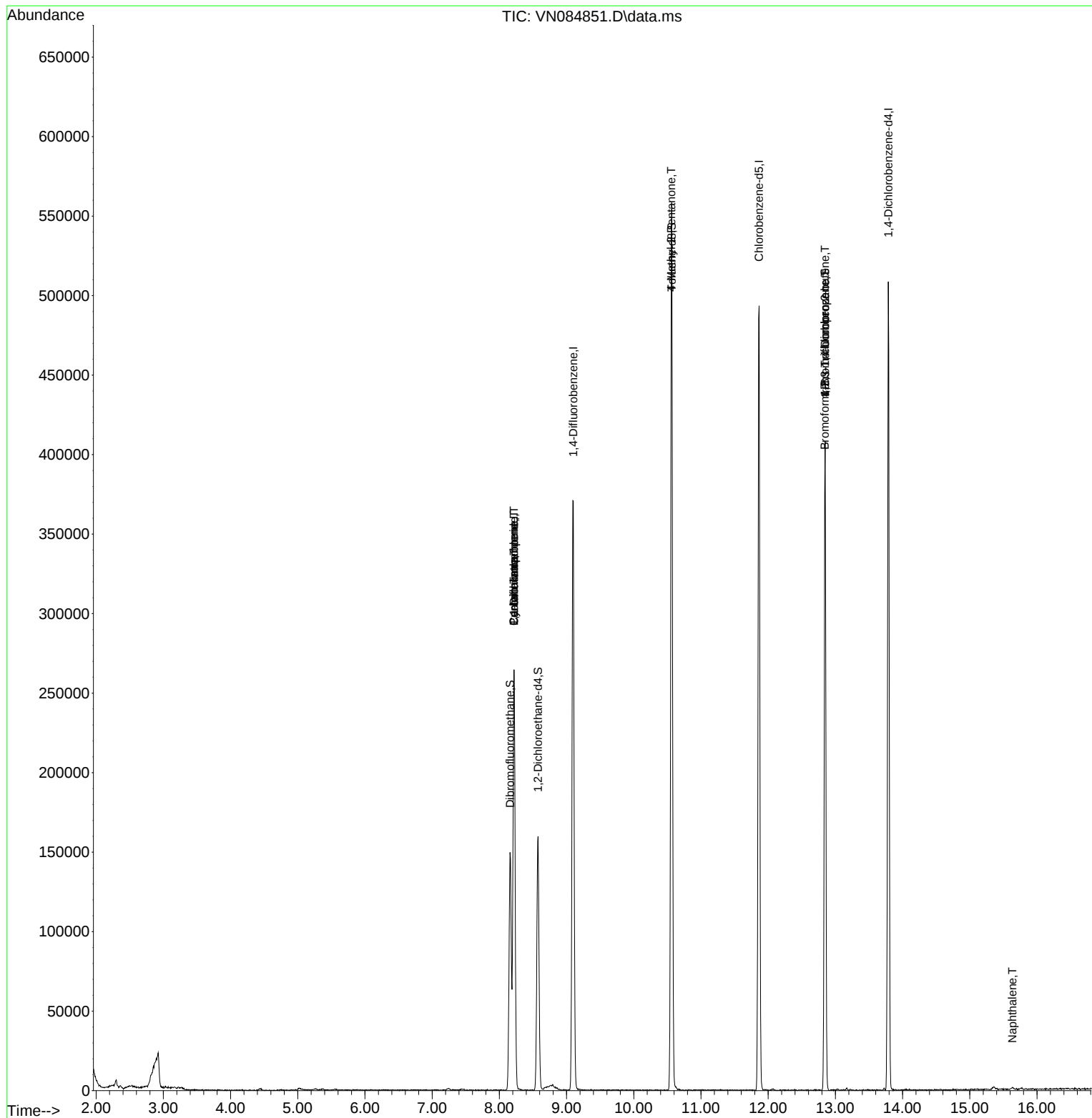
| Compound                      | R.T.           | QIon | Response   | Conc        | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|-------------|-------|----------|
| -----                         |                |      |            |             |       |          |
| Internal Standards            |                |      |            |             |       |          |
| 1) Pentafluorobenzene         | 8.218          | 168  | 193262     | 50.000      | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100          | 114  | 335586     | 50.000      | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.865         | 117  | 288886     | 50.000      | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.788         | 152  | 136820     | 50.000      | ug/l  | 0.00     |
|                               |                |      |            |             |       |          |
| System Monitoring Compounds   |                |      |            |             |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.577          | 65   | 134514     | 48.189      | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = | 96.380%     |       |          |
| 35) Dibromofluoromethane      | 8.159          | 113  | 107135     | 47.165      | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 94.320%     |       |          |
| 50) Toluene-d8                | 10.565         | 98   | 384699     | 45.975      | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = | 91.960%     |       |          |
| 62) 4-Bromofluorobenzene      | 12.847         | 95   | 147170     | 47.061      | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 77 - 121 |      | Recovery = | 94.120%     |       |          |
|                               |                |      |            |             |       |          |
| Target Compounds              |                |      |            |             |       | Qvalue   |
| 3) Chloromethane              | 2.365          | 50   | 1547       | Below Cal   |       | 92       |
| 6) Chloroethane               | 3.142          | 64   | 255        | Below Cal   | #     | 45       |
| 16) Acetone                   | 4.430          | 43   | 462        | Below Cal   | #     | 44       |
| 18) Methyl Acetate            | 5.024          | 43   | 2568       | Below Cal   | #     | 88       |
| 31) Cyclohexane               | 8.218          | 56   | 3827       | 0.993 ug/l  | #     | 1        |
| 36) 1,1-Dichloropropene       | 8.218          | 75   | 15533      | 4.931 ug/l  | #     | 50       |
| 38) Carbon Tetrachloride      | 8.218          | 117  | 20446      | 5.806 ug/l  | #     | 15       |
| 43) Isopropyl Acetate         | 8.688          | 43   | 994        | Below Cal   | #     | 56       |
| 51) 4-Methyl-2-Pentanone      | 10.559         | 43   | 1588       | 0.583 ug/l  | #     | 1        |
| 71) Bromoform                 | 12.841         | 173  | 673        | 0.398 ug/l  | #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.847         | 75   | 76237      | 27.875 ug/l | #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847         | 75   | 76237      | 66.130 ug/l | #     | 11       |
| 88) 1,4-Dichlorobenzene       | 13.723         | 146  | 456        | Below Cal   |       | 73       |
| 95) Naphthalene               | 15.635         | 128  | 1986       | 0.251 ug/l  | #     | 77       |
| -----                         |                |      |            |             |       |          |

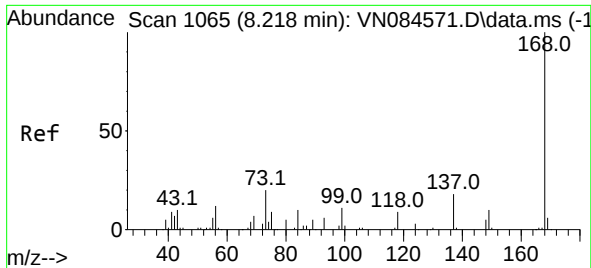
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111424\  
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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Nov 15 00:48:01 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 31 18:45:38 2024  
Response via : Initial Calibration

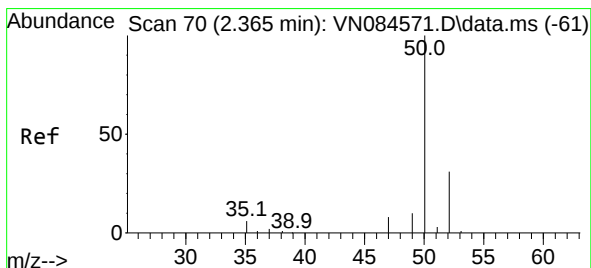
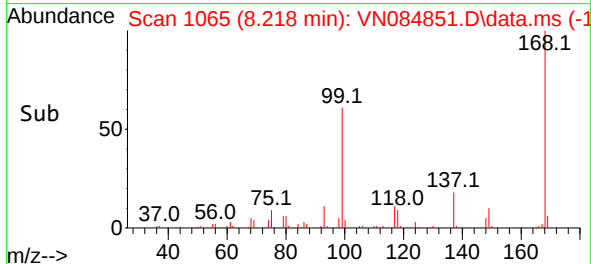
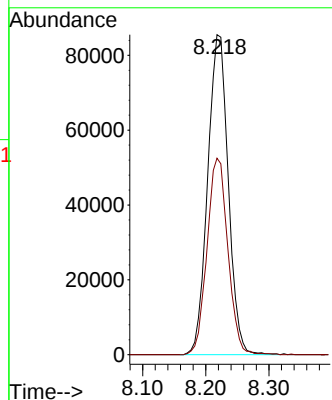
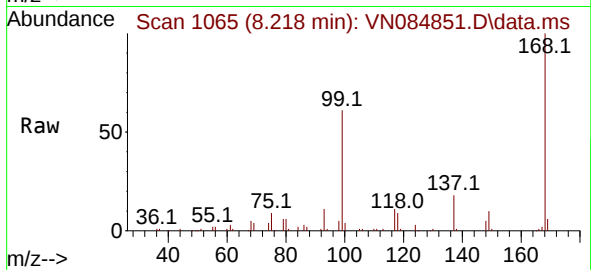




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.006 min  
Lab File: VN084851.D  
Acq: 14 Nov 2024 14:59

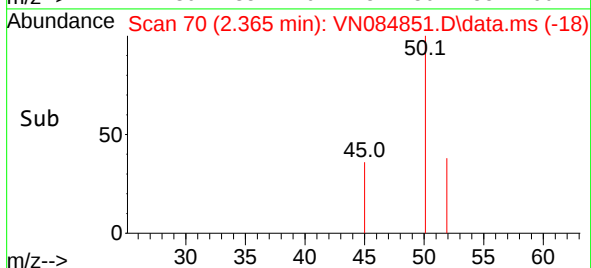
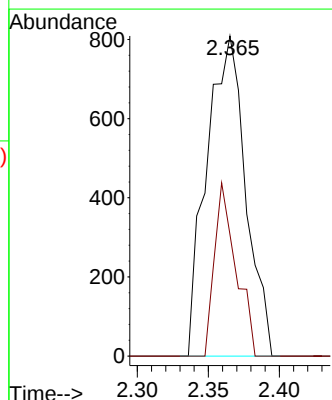
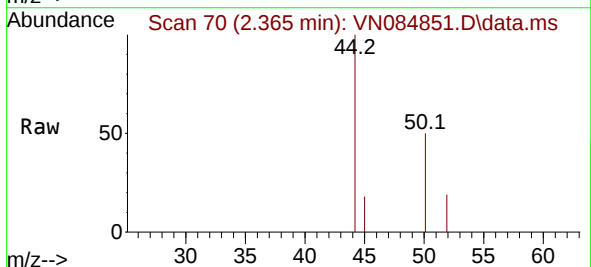
Instrument :  
MSVOA\_N  
ClientSampleId :

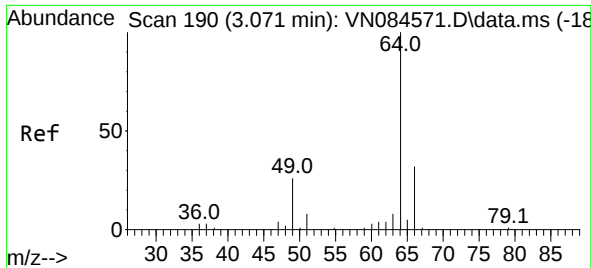
Tgt Ion:168 Resp: 193262  
Ion Ratio Lower Upper  
168 100  
99 61.4 54.2 81.2



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.365 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: VN084851.D  
Acq: 14 Nov 2024 14:59

Tgt Ion: 50 Resp: 1547  
Ion Ratio Lower Upper  
50 100  
52 37.9 26.8 40.2

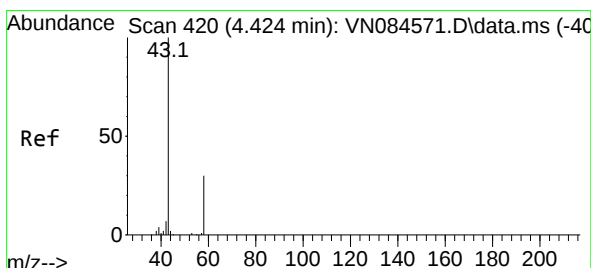
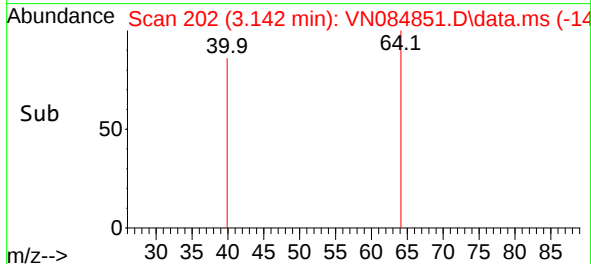
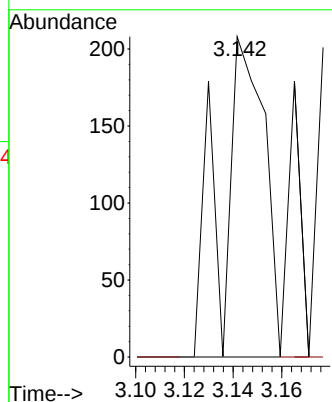
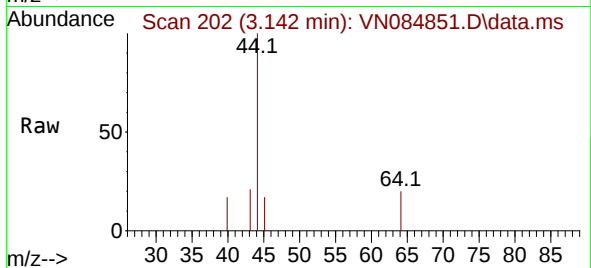




#6  
Chloroethane  
Concen: Below Cal  
RT: 3.142 min Scan# 20  
Delta R.T. 0.024 min  
Lab File: VN084851.D  
Acq: 14 Nov 2024 14:59

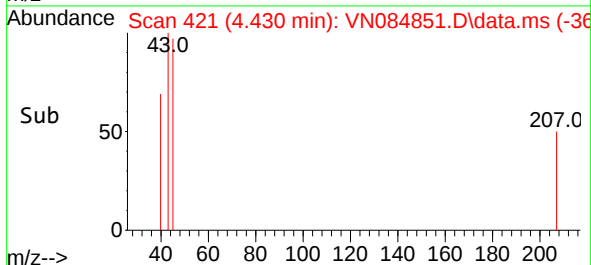
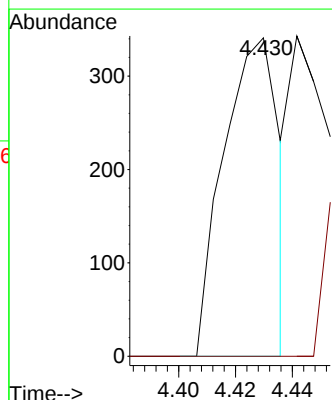
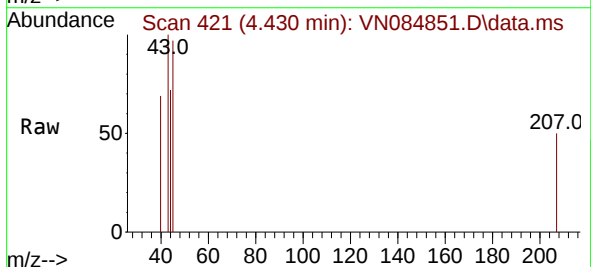
Instrument :  
MSVOA\_N  
ClientSampleId :

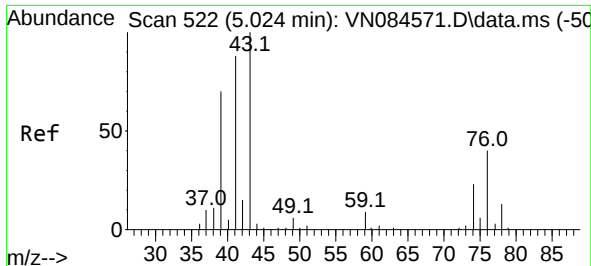
Tgt Ion: 64 Resp: 255  
Ion Ratio Lower Upper  
64 100  
66 0.0 23.5 35.3#



#16  
Acetone  
Concen: Below Cal  
RT: 4.430 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VN084851.D  
Acq: 14 Nov 2024 14:59

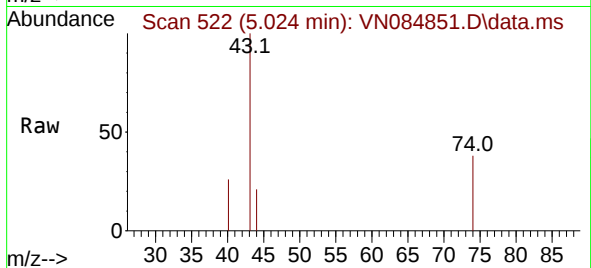
Tgt Ion: 43 Resp: 462  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.4 36.6#



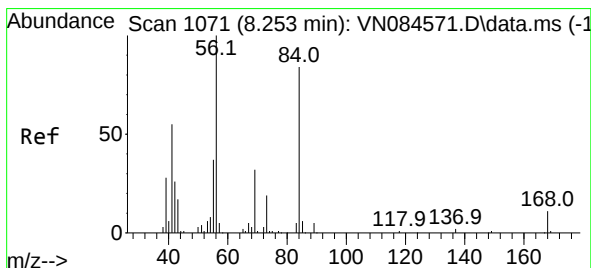
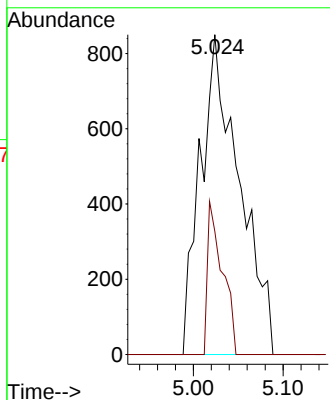
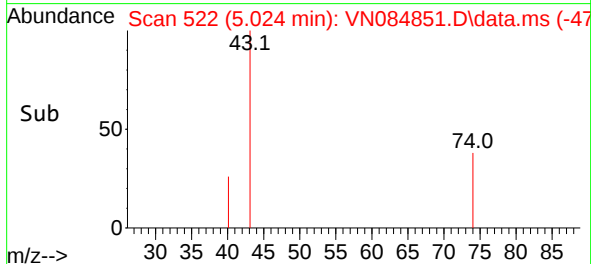


#18  
Methyl Acetate  
Concen: Below Cal  
RT: 5.024 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN084851.D  
Acq: 14 Nov 2024 14:59

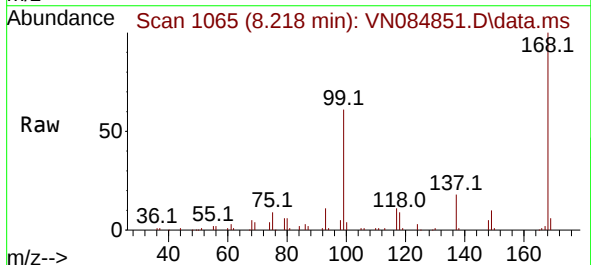
Instrument :  
MSVOA\_N  
ClientSampleId :



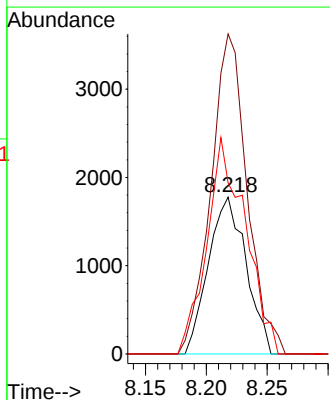
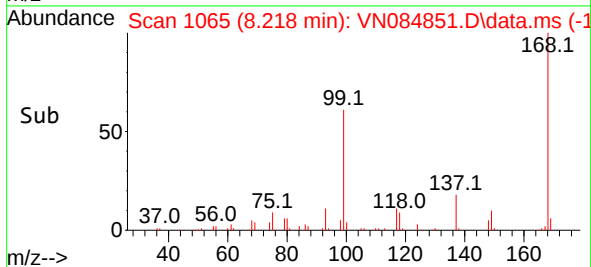
Tgt Ion: 43 Resp: 2568  
Ion Ratio Lower Upper  
43 100  
74 18.3 19.2 28.8#

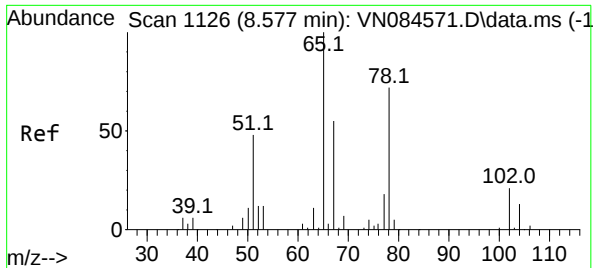


#31  
Cyclohexane  
Concen: 0.993 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.035 min  
Lab File: VN084851.D  
Acq: 14 Nov 2024 14:59



Tgt Ion: 56 Resp: 3827  
Ion Ratio Lower Upper  
56 100  
69 204.1 23.8 35.6#  
84 109.1 68.8 103.2#

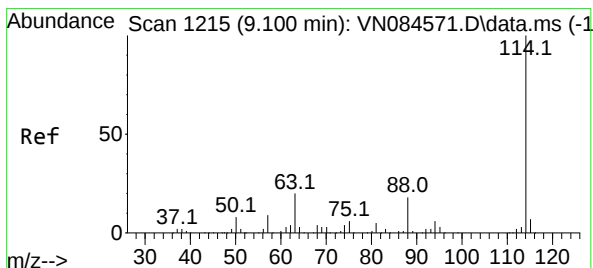
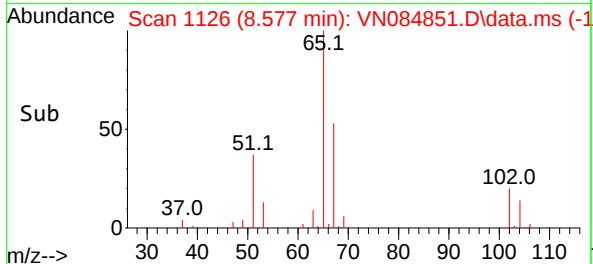
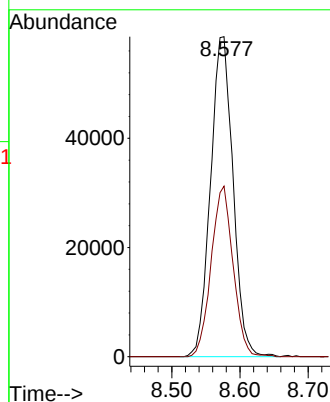
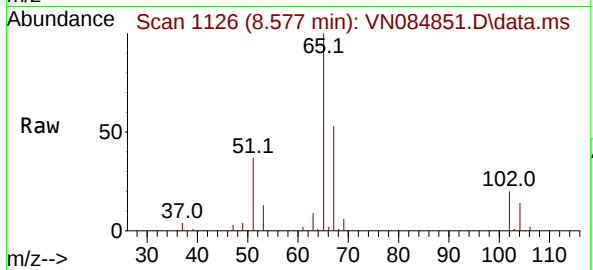




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.189 ug/l  
 RT: 8.577 min Scan# 1126  
 Delta R.T. -0.000 min  
 Lab File: VN084851.D  
 Acq: 14 Nov 2024 14:59

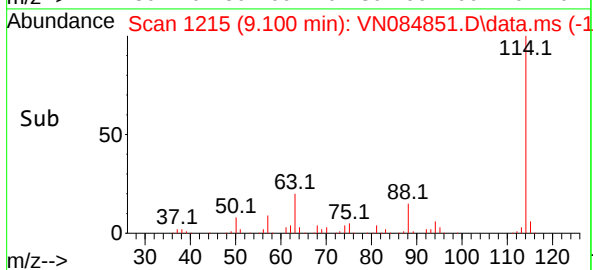
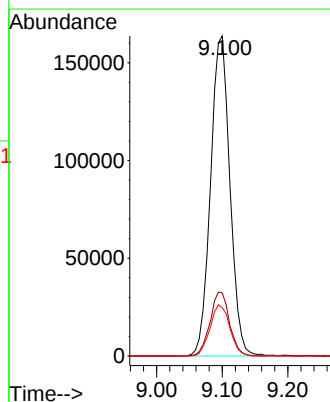
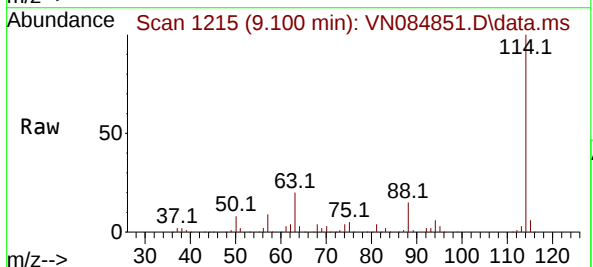
Instrument :  
 MSVOA\_N  
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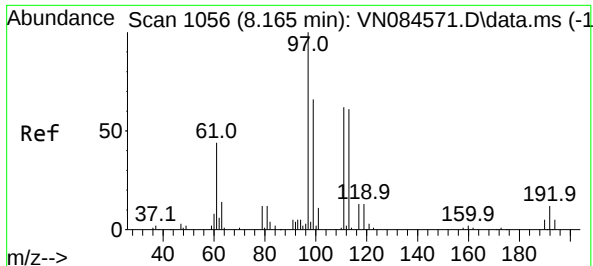
Tgt Ion: 65 Resp: 134514  
 Ion Ratio Lower Upper  
 65 100  
 67 52.0 0.0 102.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.100 min Scan# 1215  
 Delta R.T. 0.000 min  
 Lab File: VN084851.D  
 Acq: 14 Nov 2024 14:59

Tgt Ion: 114 Resp: 335586  
 Ion Ratio Lower Upper  
 114 100  
 63 19.7 0.0 43.8  
 88 15.1 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.165 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

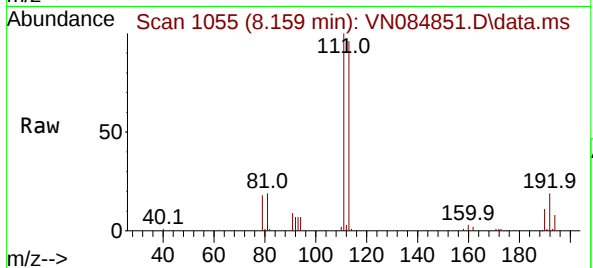
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Acq: 14 Nov 2024 14:59

Instrument :

MSVOA\_N

ClientSampleId :



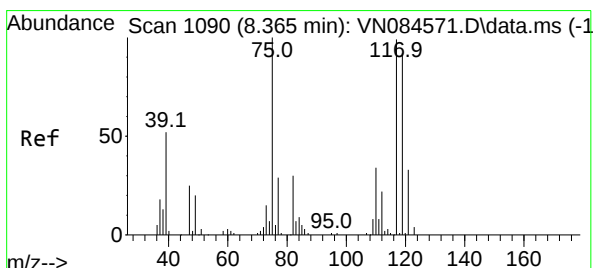
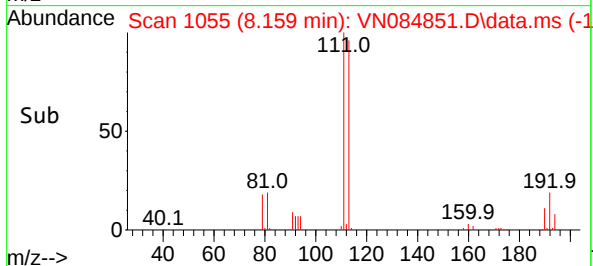
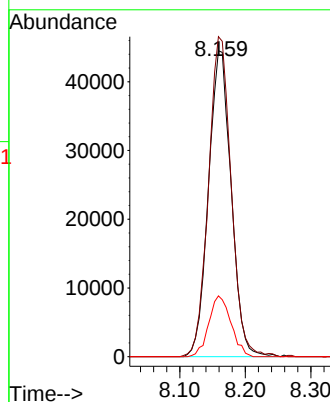
Tgt Ion:113 Resp: 107135

Ion Ratio Lower Upper

113 100

111 104.3 83.3 124.9

192 19.4 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.931 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084851.D

Acq: 14 Nov 2024 14:59

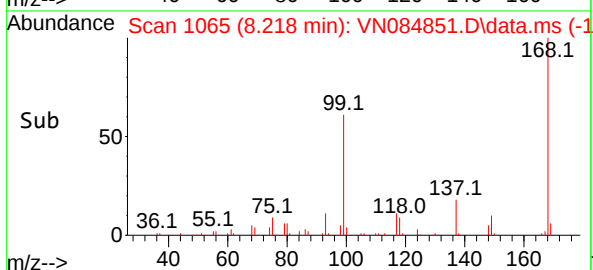
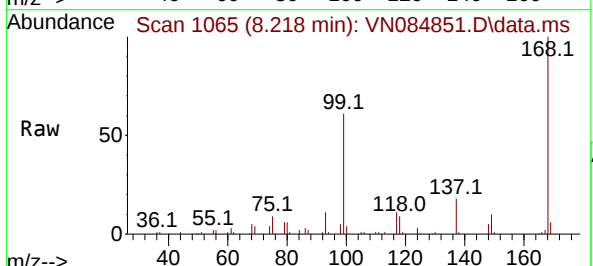
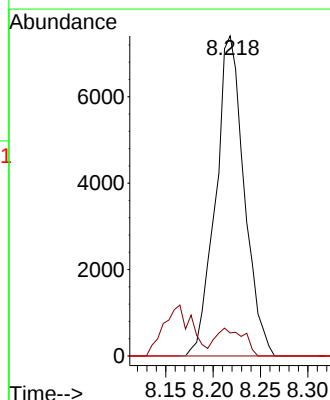
Tgt Ion: 75 Resp: 15533

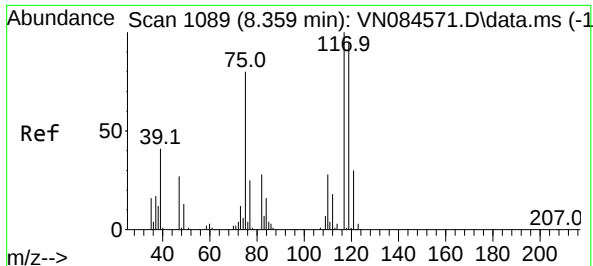
Ion Ratio Lower Upper

75 100

110 8.6 16.9 50.7#

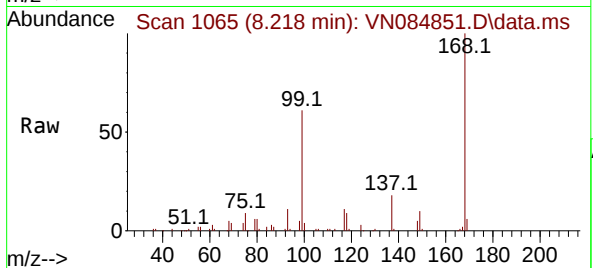
77 0.0 24.7 37.1#



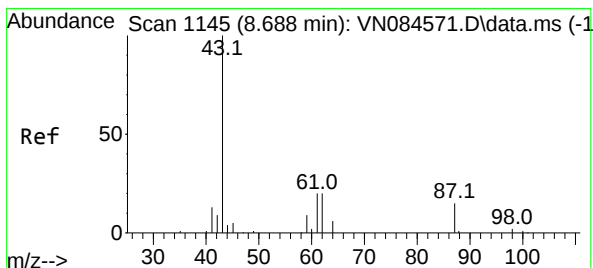
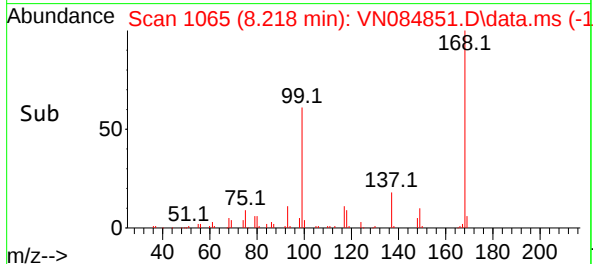
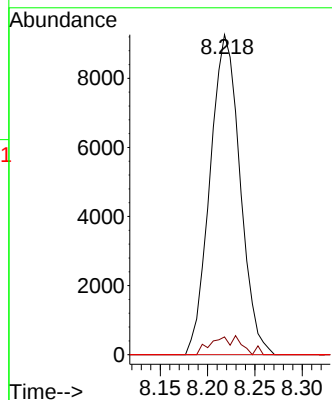


#38  
Carbon Tetrachloride  
Concen: 5.806 ug/l  
RT: 8.218 min Scan# 1105  
Delta R.T. -0.141 min  
Lab File: VN084851.D  
Acq: 14 Nov 2024 14:59

Instrument :  
MSVOA\_N  
ClientSampleId :

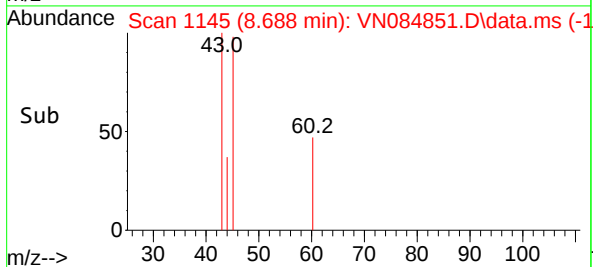
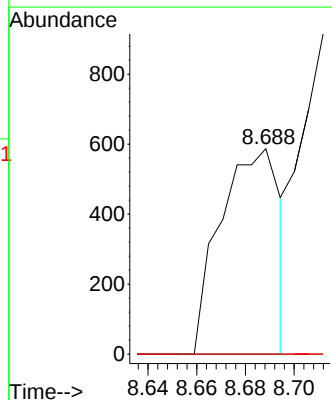
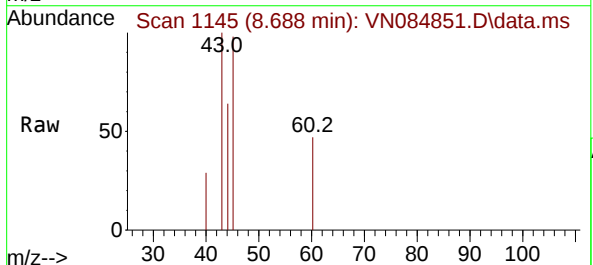


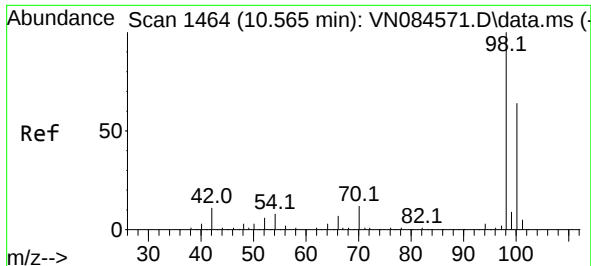
Tgt Ion:117 Resp: 20446  
Ion Ratio Lower Upper  
117 100  
119 5.6 78.7 118.1#  
121 0.0 24.4 36.6#



#43  
Isopropyl Acetate  
Concen: Below Cal  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VN084851.D  
Acq: 14 Nov 2024 14:59

Tgt Ion: 43 Resp: 994  
Ion Ratio Lower Upper  
43 100  
61 0.0 20.4 30.6#  
87 0.0 10.3 15.5#

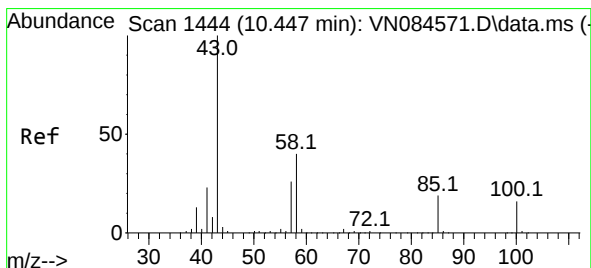
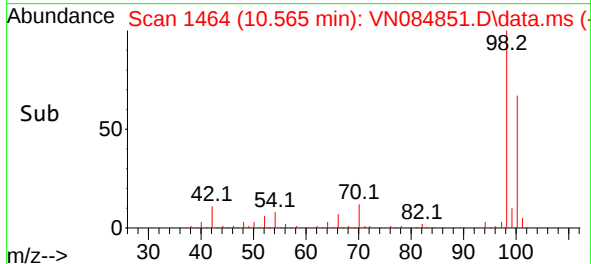
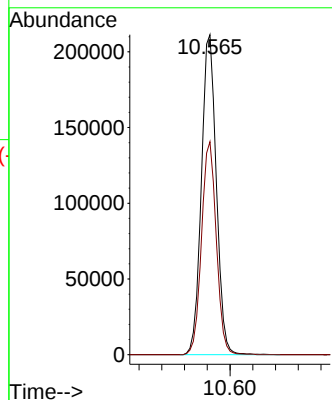
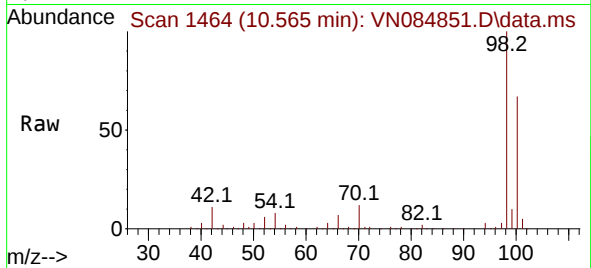




#50  
Toluene-d8  
Concen: 45.975 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN084851.D  
Acq: 14 Nov 2024 14:59

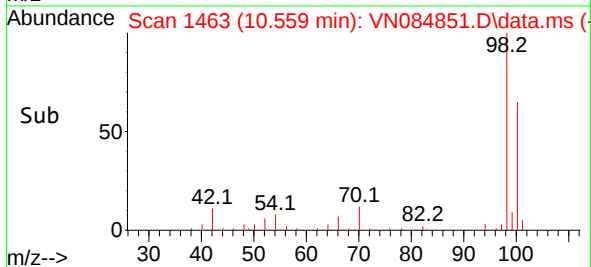
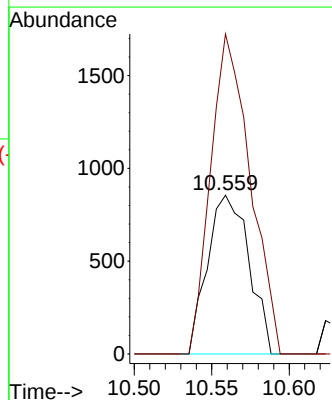
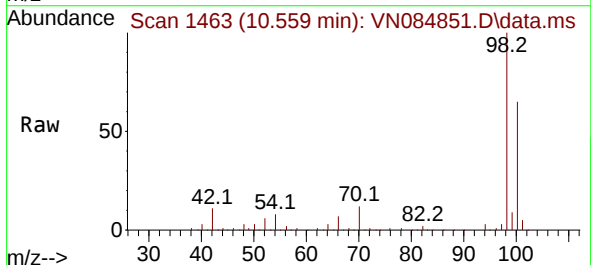
Instrument :  
MSVOA\_N  
ClientSampleId :

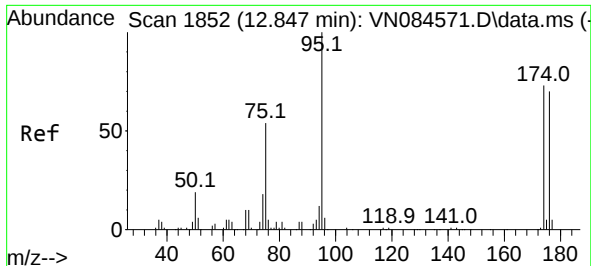
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Ion Ratio Lower Upper  
98 100  
100 65.9 52.7 79.1



#51  
4-Methyl-2-Pentanone  
Concen: 0.583 ug/l  
RT: 10.559 min Scan# 1463  
Delta R.T. 0.118 min  
Lab File: VN084851.D  
Acq: 14 Nov 2024 14:59

Tgt Ion: 43 Resp: 1588  
Ion Ratio Lower Upper  
43 100  
58 193.1 31.6 47.4#

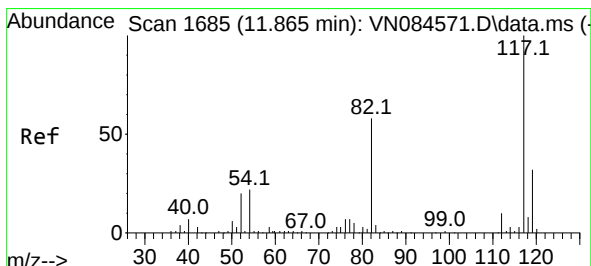
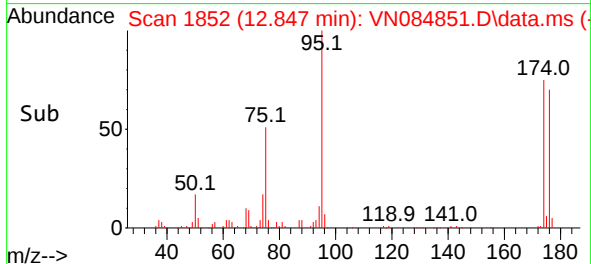
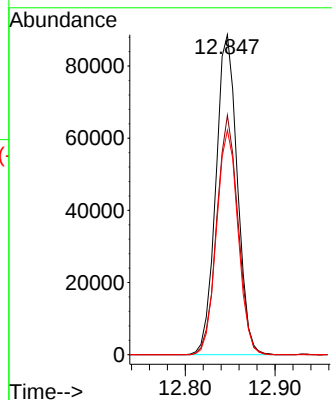
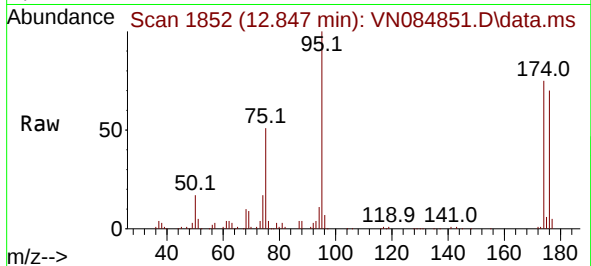




#62  
4-Bromofluorobenzene  
Concen: 47.061 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN084851.D  
Acq: 14 Nov 2024 14:59

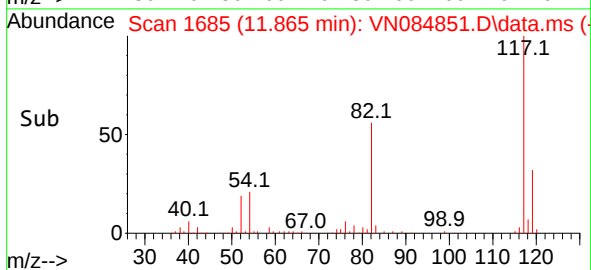
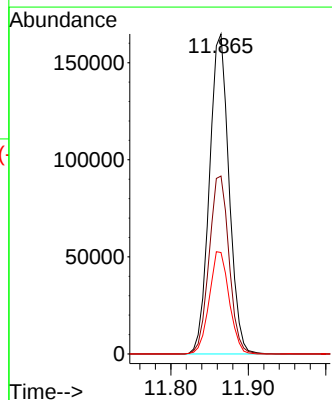
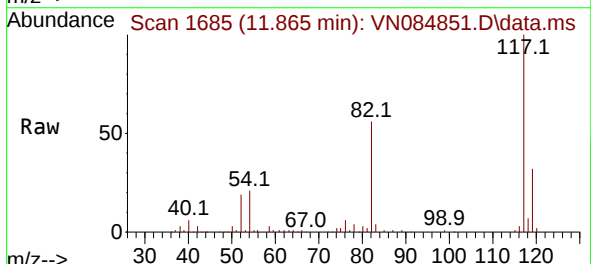
Instrument :  
MSVOA\_N  
ClientSampleId :

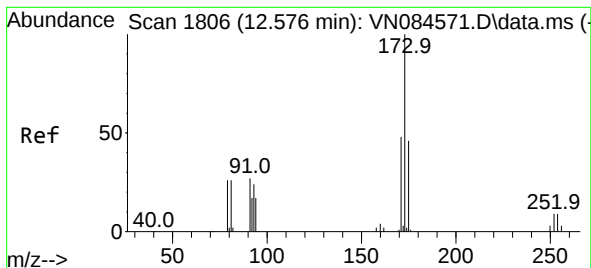
Tgt Ion: 95 Resp: 147170  
Ion Ratio Lower Upper  
95 100  
174 74.4 0.0 145.2  
176 70.4 0.0 140.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN084851.D  
Acq: 14 Nov 2024 14:59

Tgt Ion: 117 Resp: 288886  
Ion Ratio Lower Upper  
117 100  
82 55.6 47.2 70.8  
119 31.7 25.4 38.0





#71

Bromoform

Concen: 0.398 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.265 min

Lab File: VN084851.D

Acq: 14 Nov 2024 14:59

Instrument :

MSVOA\_N

ClientSampleId :

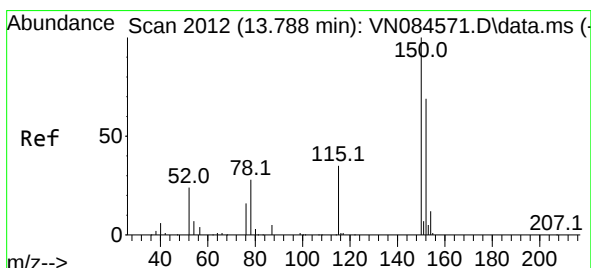
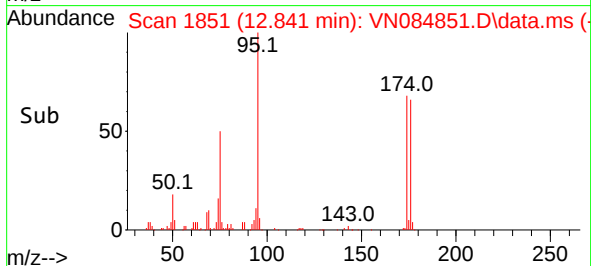
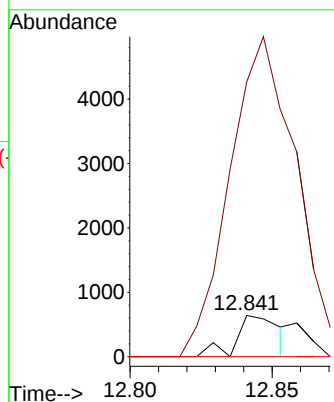
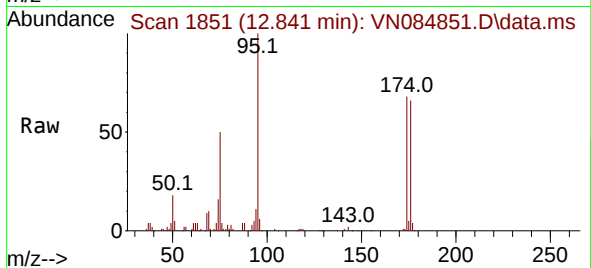
Tgt Ion:173 Resp: 673

Ion Ratio Lower Upper

173 100

175 929.9 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# 1212

Delta R.T. 0.000 min

Lab File: VN084851.D

Acq: 14 Nov 2024 14:59

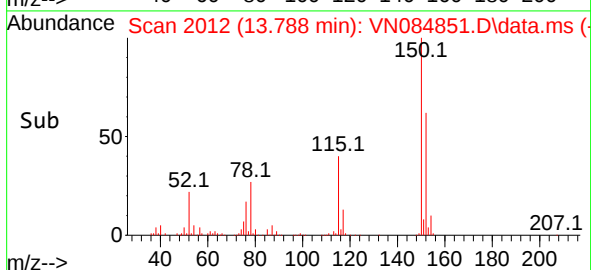
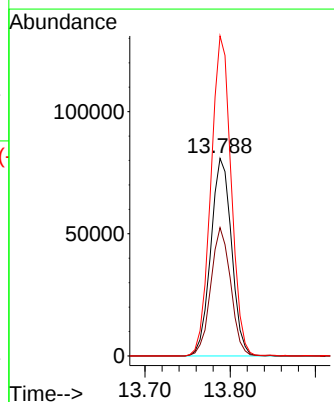
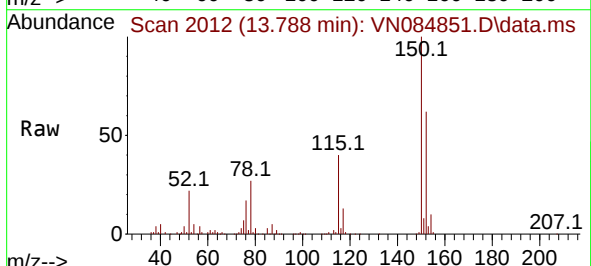
Tgt Ion:152 Resp: 136820

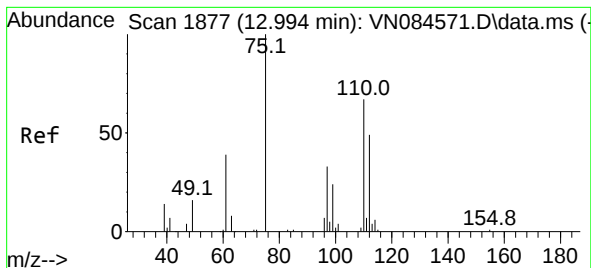
Ion Ratio Lower Upper

152 100

115 62.3 31.3 93.9

150 158.2 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 27.875 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084851.D

Acq: 14 Nov 2024 14:59

Instrument :

MSVOA\_N

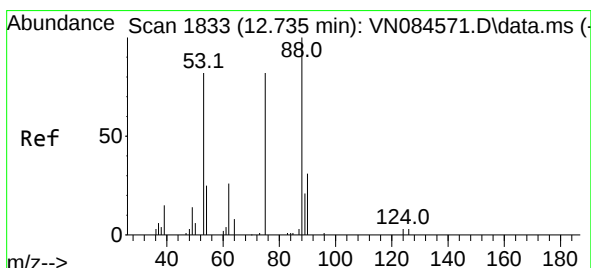
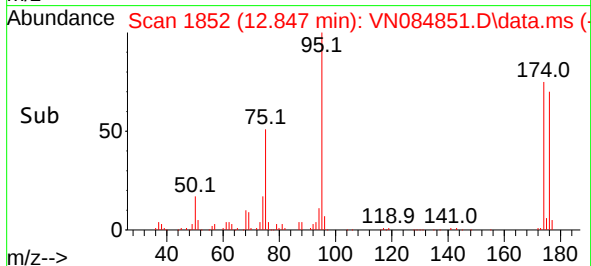
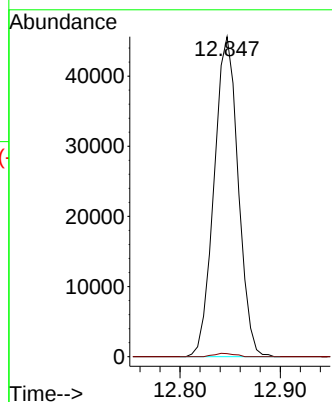
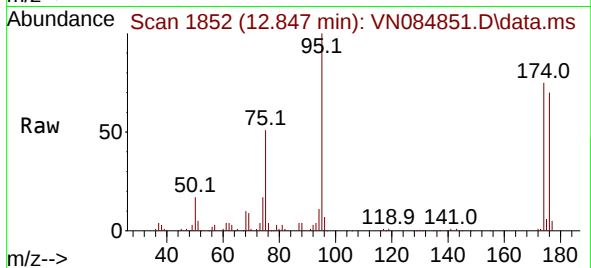
ClientSampleId :

Tgt Ion: 75 Resp: 76237

Ion Ratio Lower Upper

75 100

77 0.9 96.9 290.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.130 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084851.D

Acq: 14 Nov 2024 14:59

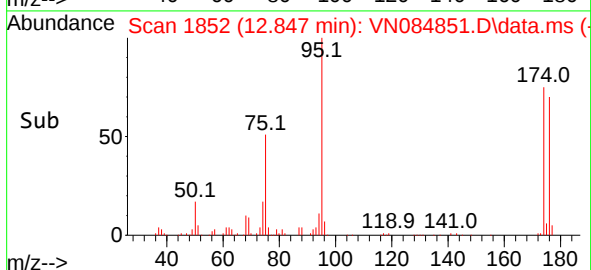
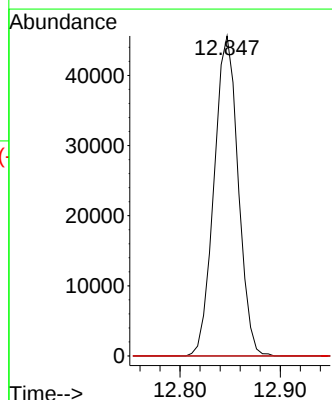
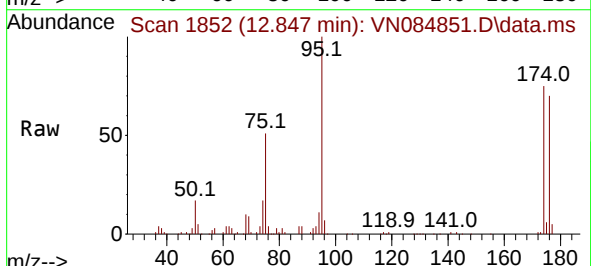
Tgt Ion: 75 Resp: 76237

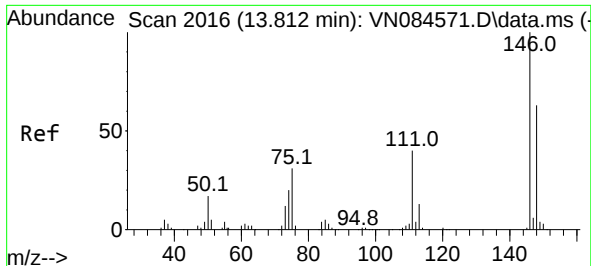
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

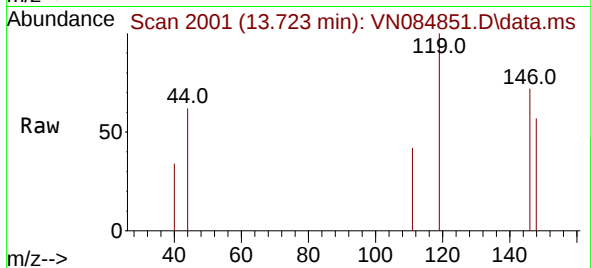
89 0.0 35.5 53.3#



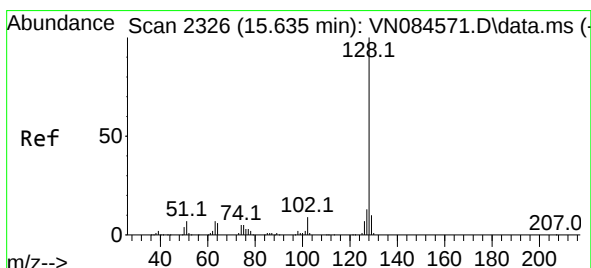
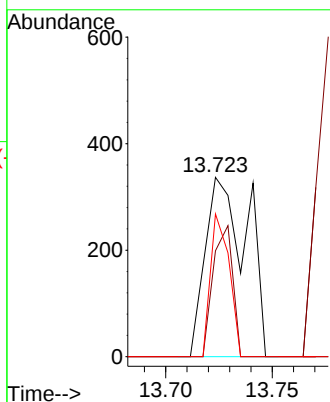
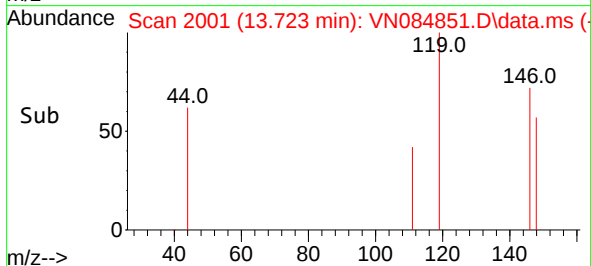


#88  
1,4-Dichlorobenzene  
Concen: Below Cal  
RT: 13.723 min Scan# 2016  
Delta R.T. -0.089 min  
Lab File: VN084851.D  
Acq: 14 Nov 2024 14:59

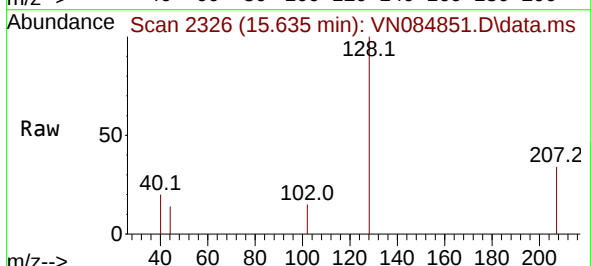
Instrument :  
MSVOA\_N  
ClientSampleId :



Tgt Ion:146 Resp: 456  
Ion Ratio Lower Upper  
146 100  
111 34.4 21.2 63.6  
148 35.7 31.9 95.9



#95  
Naphthalene  
Concen: 0.251 ug/l  
RT: 15.635 min Scan# 2326  
Delta R.T. -0.000 min  
Lab File: VN084851.D  
Acq: 14 Nov 2024 14:59



Tgt Ion:128 Resp: 1986  
Ion Ratio Lower Upper  
128 100  
127 5.5 10.5 15.7#  
129 0.0 8.7 13.1#

