

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111324\  
 Data File : VN084818.D  
 Acq On : 13 Nov 2024 11:13  
 Operator : JC\MD  
 Sample : VN1113MBL02  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Nov 14 00:31:03 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

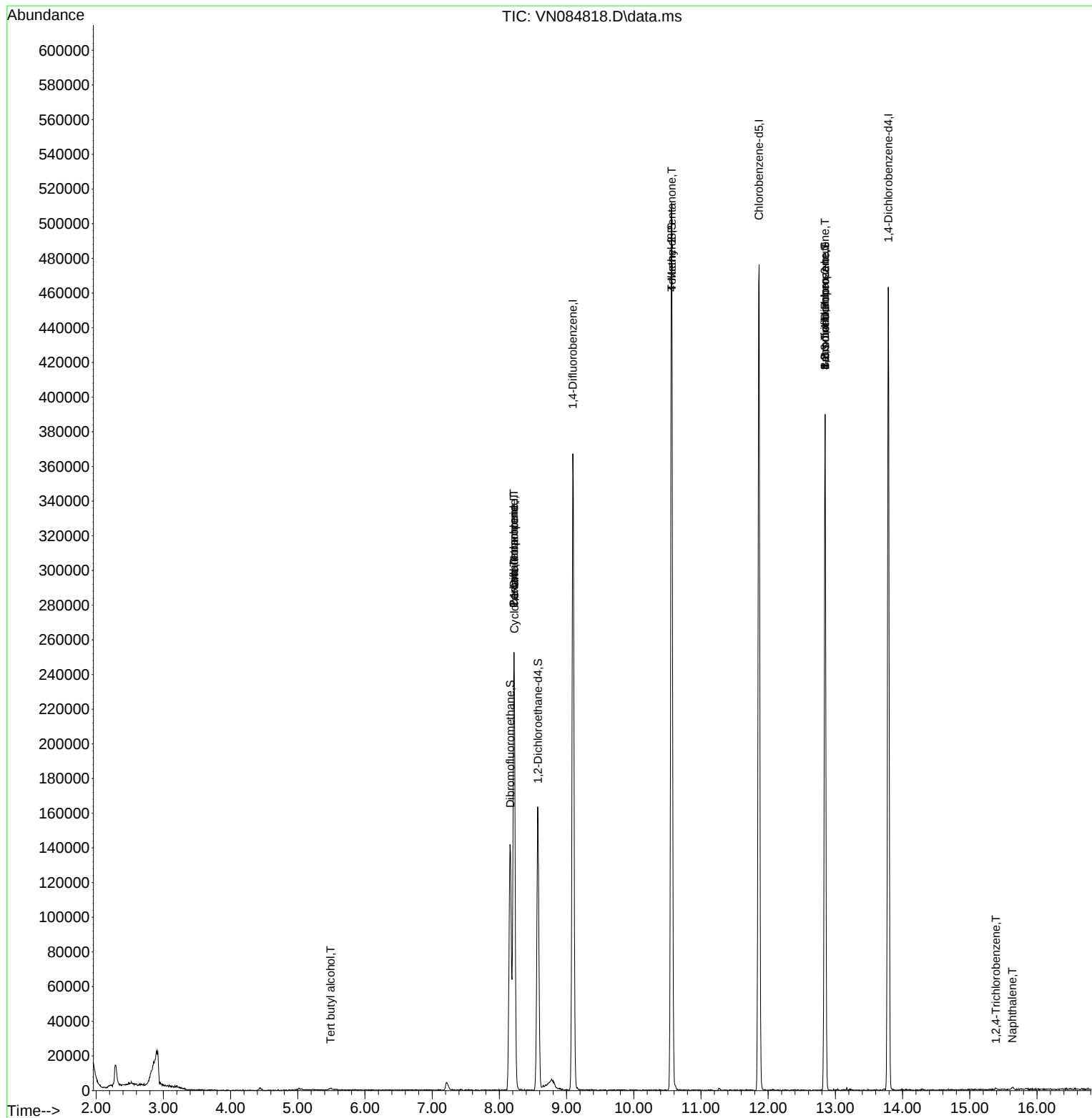
| Compound                      | R.T.   | QIon           | Response | Conc      | Units   | Dev(Min) |
|-------------------------------|--------|----------------|----------|-----------|---------|----------|
| -----                         |        |                |          |           |         |          |
| Internal Standards            |        |                |          |           |         |          |
| 1) Pentafluorobenzene         | 8.218  | 168            | 181889   | 50.000    | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.094  | 114            | 317168   | 50.000    | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 11.865 | 117            | 270944   | 50.000    | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.788 | 152            | 124016   | 50.000    | ug/l    | 0.00     |
| System Monitoring Compounds   |        |                |          |           |         |          |
| 33) 1,2-Dichloroethane-d4     | 8.577  | 65             | 128884   | 49.060    | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 | Range 74 - 125 | Recovery | =         | 98.120% |          |
| 35) Dibromofluoromethane      | 8.165  | 113            | 105479   | 49.132    | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 | Range 75 - 124 | Recovery | =         | 98.260% |          |
| 50) Toluene-d8                | 10.565 | 98             | 359892   | 45.508    | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 | Range 86 - 113 | Recovery | =         | 91.020% |          |
| 62) 4-Bromofluorobenzene      | 12.847 | 95             | 133391   | 45.132    | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 | Range 77 - 121 | Recovery | =         | 90.260% |          |
| Target Compounds              |        |                |          |           |         |          |
|                               |        |                |          |           | Qvalue  |          |
| 3) Chloromethane              | 2.359  | 50             | 392      | Below Cal | #       | 41       |
| 6) Chloroethane               | 3.118  | 64             | 576      | Below Cal | #       | 45       |
| 11) Tert butyl alcohol        | 5.489  | 59             | 865      | 2.494     | ug/l #  | 73       |
| 16) Acetone                   | 4.442  | 43             | 138      | Below Cal | #       | 44       |
| 18) Methyl Acetate            | 5.024  | 43             | 1545     | Below Cal | #       | 68       |
| 31) Cyclohexane               | 8.224  | 56             | 3741     | 1.031     | ug/l #  | 1        |
| 36) 1,1-Dichloropropene       | 8.218  | 75             | 14895    | 5.003     | ug/l #  | 51       |
| 38) Carbon Tetrachloride      | 8.218  | 117            | 20125    | 6.047     | ug/l #  | 15       |
| 43) Isopropyl Acetate         | 8.688  | 43             | 415      | Below Cal | #       | 56       |
| 51) 4-Methyl-2-Pentanone      | 10.565 | 43             | 1332     | 0.517     | ug/l #  | 1        |
| 71) Bromoform                 | 12.847 | 173            | 999      | 0.630     | ug/l #  | 1        |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75             | 68670    | 27.700    | ug/l #  | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75             | 68670    | 65.717    | ug/l #  | 11       |
| 88) 1,4-Dichlorobenzene       | 13.729 | 146            | 432      | Below Cal |         | 73       |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180            | 529      | 0.221     | ug/l #  | 57       |
| 95) Naphthalene               | 15.635 | 128            | 2213     | 0.308     | ug/l #  | 73       |
| -----                         |        |                |          |           |         |          |

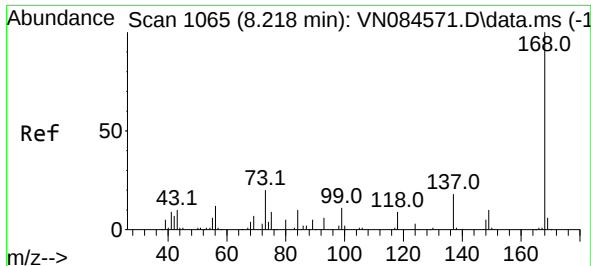
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111324\  
Data File : VN084818.D  
Acq On : 13 Nov 2024 11:13  
Operator : JC\MD  
Sample : VN1113MBL02  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

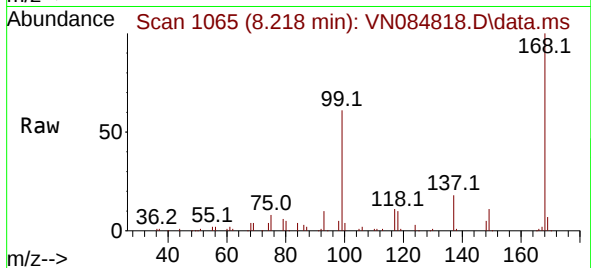
Quant Time: Nov 14 00:31:03 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 31 18:45:38 2024  
Response via : Initial Calibration



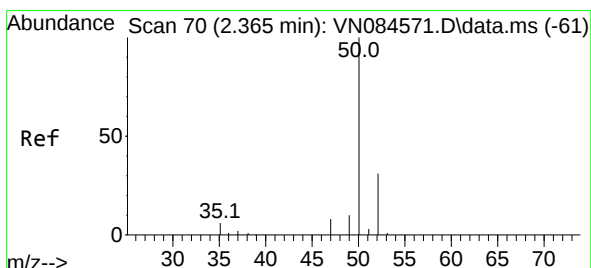
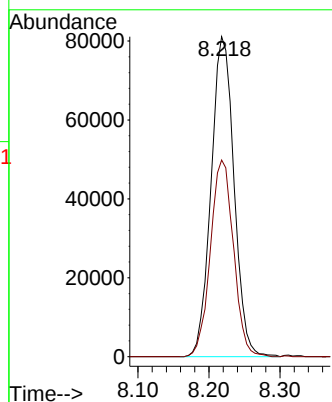
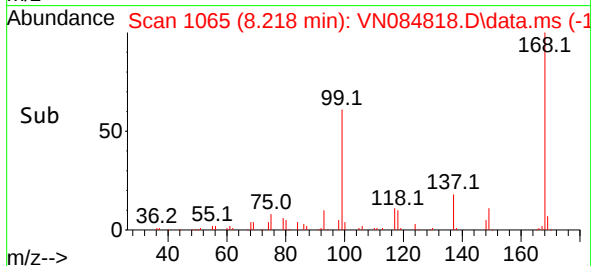


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: VN084818.D  
Acq: 13 Nov 2024 11:13

Instrument :  
MSVOA\_N  
ClientSampleId :

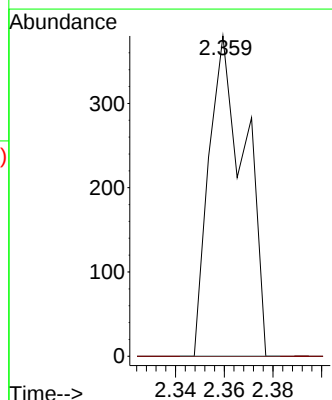
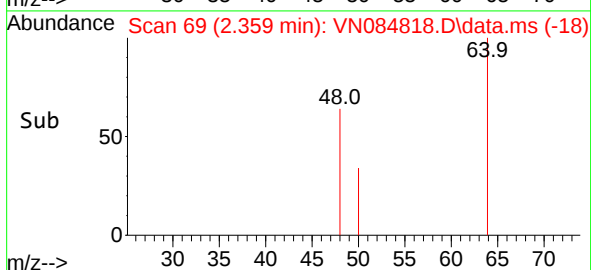
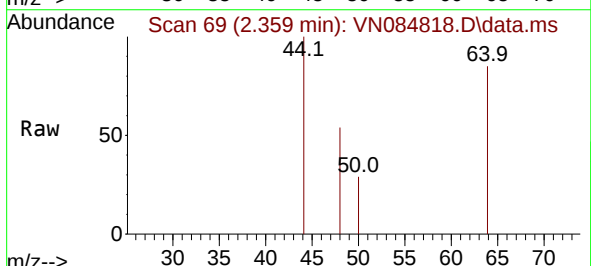


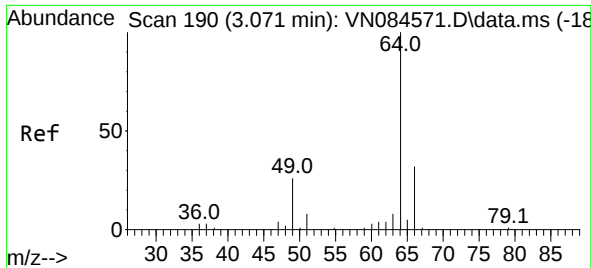
Tgt Ion:168 Resp: 181889  
Ion Ratio Lower Upper  
168 100  
99 61.5 54.2 81.2



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.359 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN084818.D  
Acq: 13 Nov 2024 11:13

Tgt Ion: 50 Resp: 392  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.8 40.2#

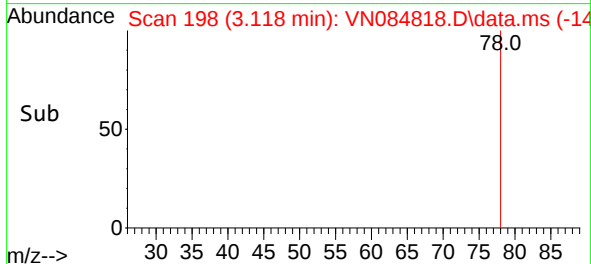
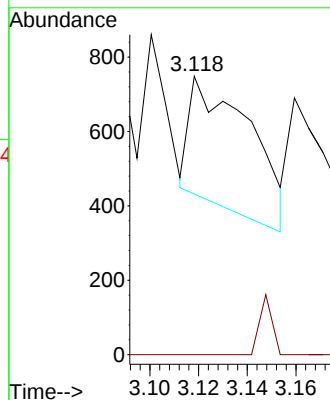
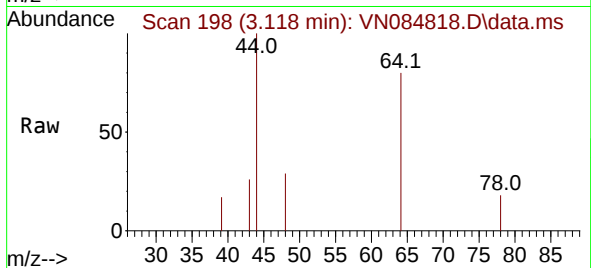




#6  
Chloroethane  
Concen: Below Cal  
RT: 3.118 min Scan# 190  
Delta R.T. 0.000 min  
Lab File: VN084818.D  
Acq: 13 Nov 2024 11:13

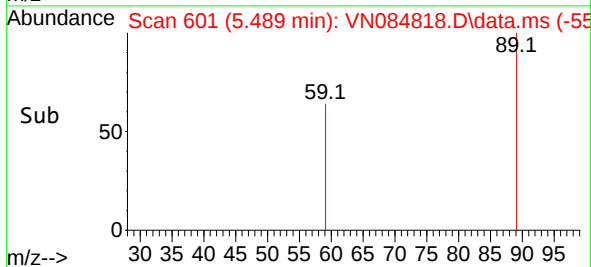
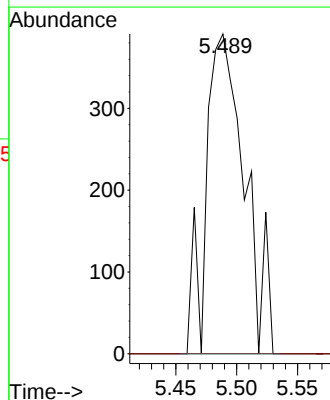
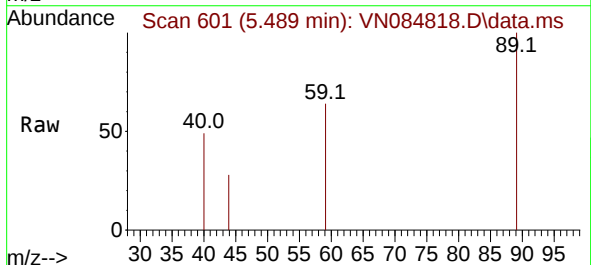
Instrument :  
MSVOA\_N  
ClientSampleId :

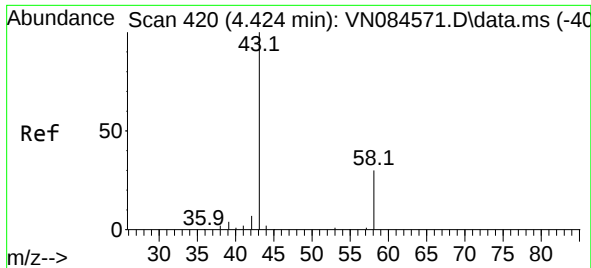
Tgt Ion: 64 Resp: 576  
Ion Ratio Lower Upper  
64 100  
66 0.0 23.5 35.3#



#11  
Tert butyl alcohol  
Concen: 2.494 ug/l  
RT: 5.489 min Scan# 601  
Delta R.T. -0.035 min  
Lab File: VN084818.D  
Acq: 13 Nov 2024 11:13

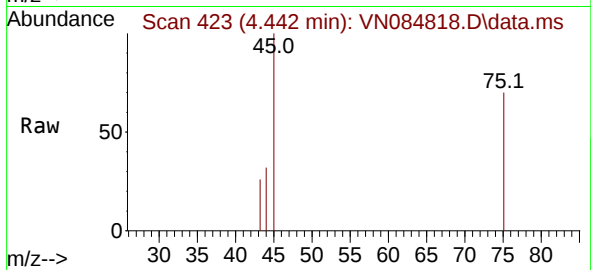
Tgt Ion: 59 Resp: 865  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#



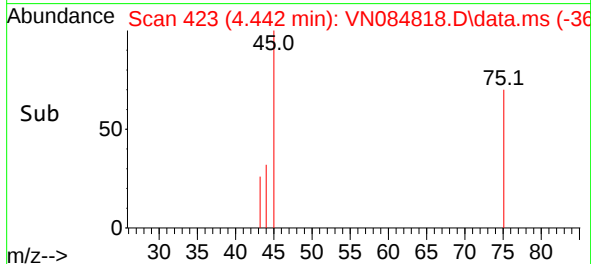
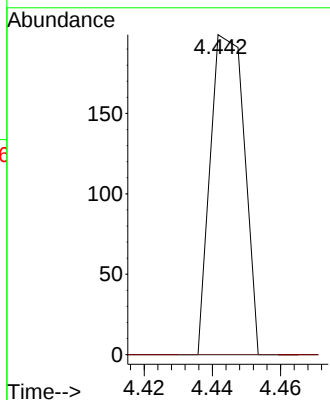


#16  
Acetone  
Concen: Below Cal  
RT: 4.442 min Scan# 41  
Delta R.T. 0.018 min  
Lab File: VN084818.D  
Acq: 13 Nov 2024 11:13

Instrument :  
MSVOA\_N  
ClientSampleId :

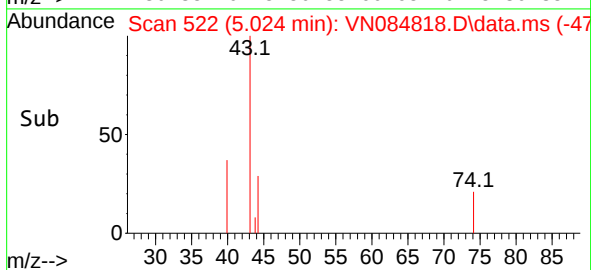
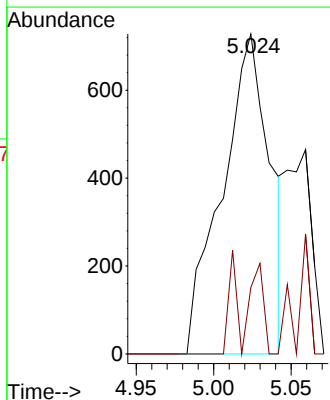
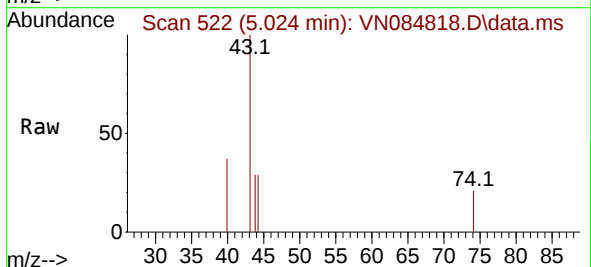


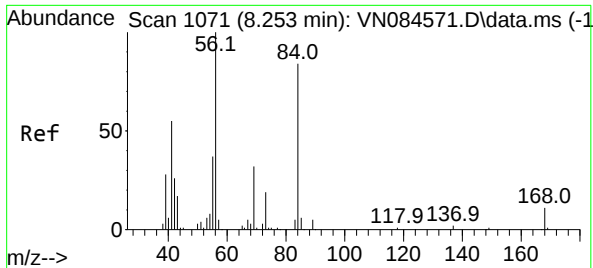
Tgt Ion: 43 Resp: 138  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.4 36.6#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 5.024 min Scan# 522  
Delta R.T. 0.006 min  
Lab File: VN084818.D  
Acq: 13 Nov 2024 11:13

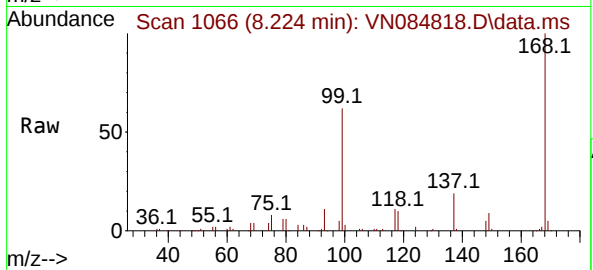
Tgt Ion: 43 Resp: 1545  
Ion Ratio Lower Upper  
43 100  
74 8.2 19.2 28.8#



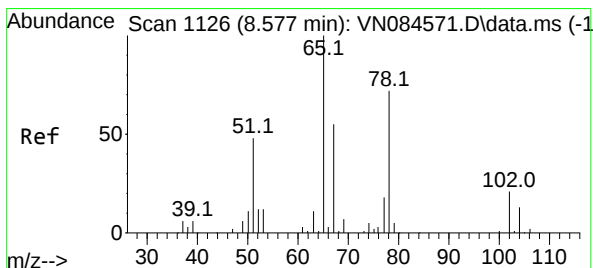
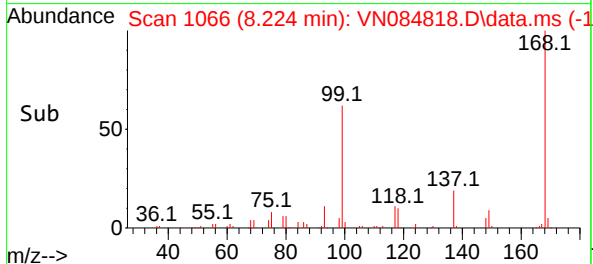
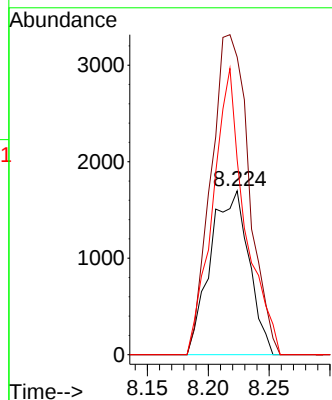


#31  
Cyclohexane  
Concen: 1.031 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.029 min  
Lab File: VN084818.D  
Acq: 13 Nov 2024 11:13

Instrument :  
MSVOA\_N  
ClientSampleId :

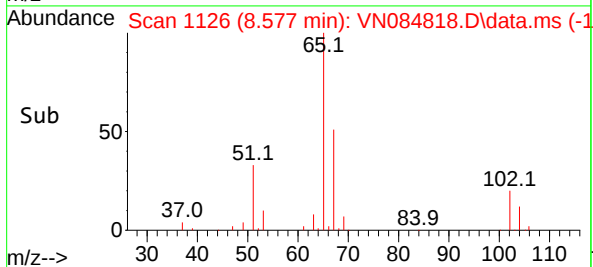
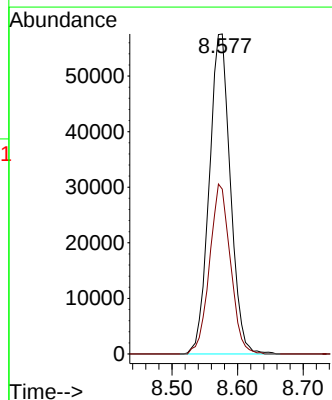
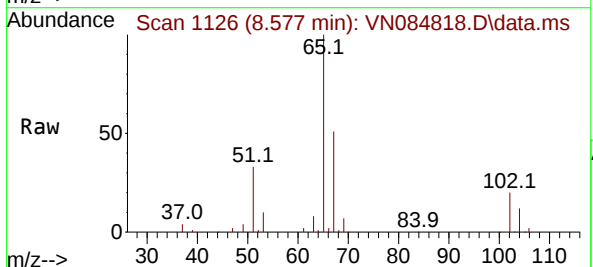


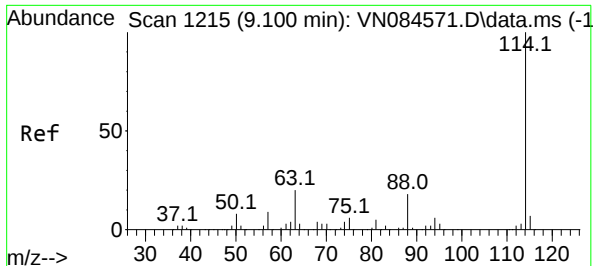
Tgt Ion: 56 Resp: 3741  
Ion Ratio Lower Upper  
56 100  
69 181.6 23.8 35.6#  
84 119.0 68.8 103.2#



#33  
1,2-Dichloroethane-d4  
Concen: 49.060 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN084818.D  
Acq: 13 Nov 2024 11:13

Tgt Ion: 65 Resp: 128884  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN084818.D

Acq: 13 Nov 2024 11:13

Instrument :

MSVOA\_N

ClientSampleId :

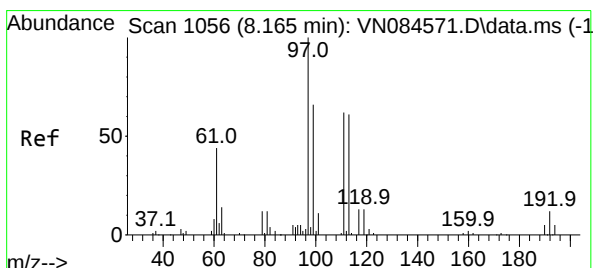
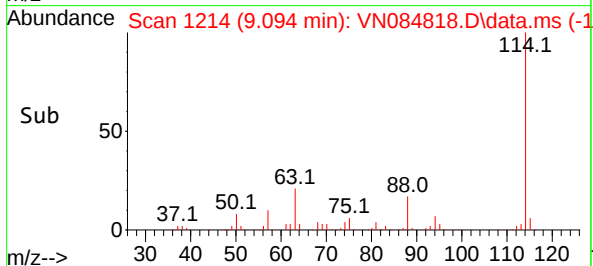
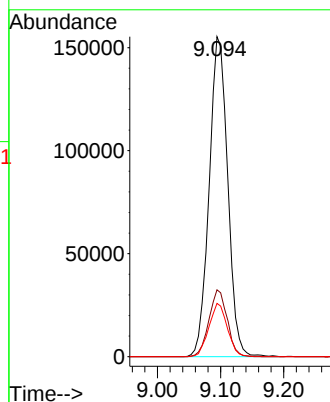
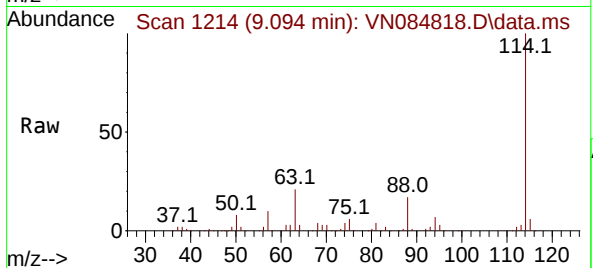
Tgt Ion:114 Resp: 317168

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.8

88 16.7 0.0 31.6



#35

Dibromofluoromethane

Concen: 49.132 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084818.D

Acq: 13 Nov 2024 11:13

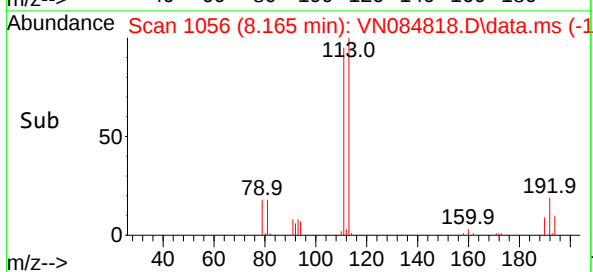
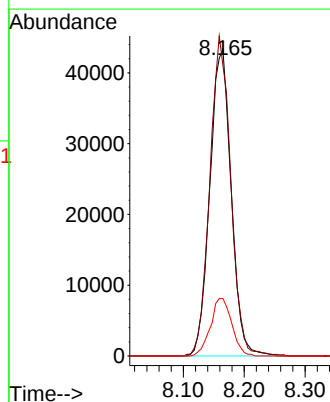
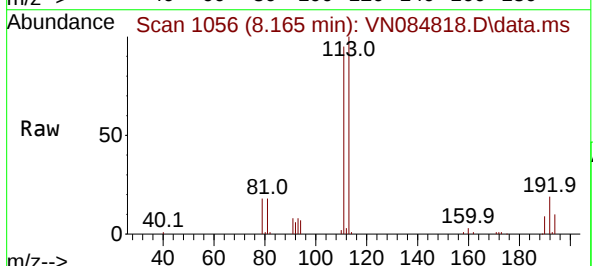
Tgt Ion:113 Resp: 105479

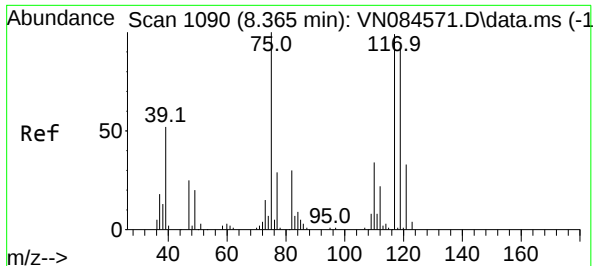
Ion Ratio Lower Upper

113 100

111 102.2 83.3 124.9

192 18.7 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.003 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084818.D

Acq: 13 Nov 2024 11:13

Instrument :

MSVOA\_N

ClientSampleId :

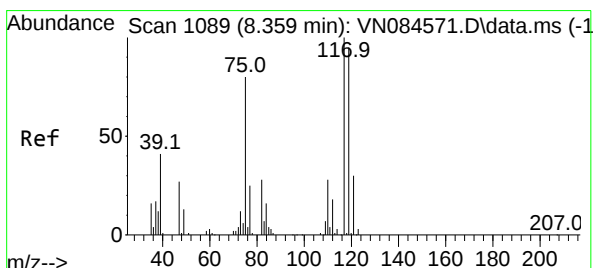
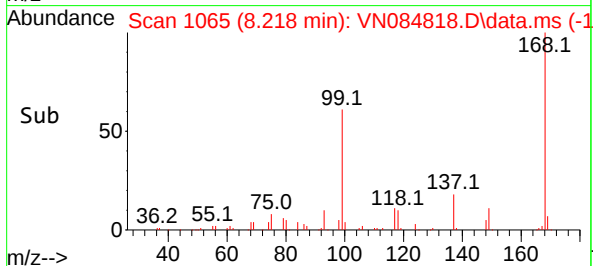
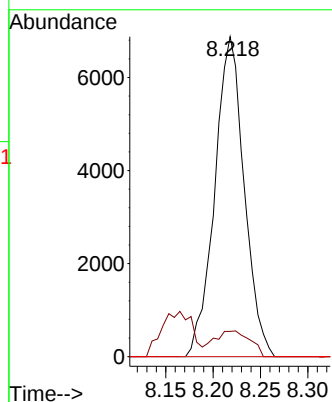
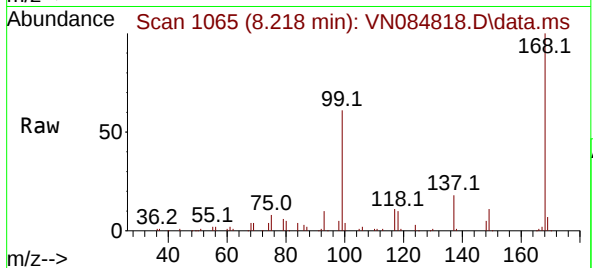
Tgt Ion: 75 Resp: 14895

Ion Ratio Lower Upper

75 100

110 9.9 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.047 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN084818.D

Acq: 13 Nov 2024 11:13

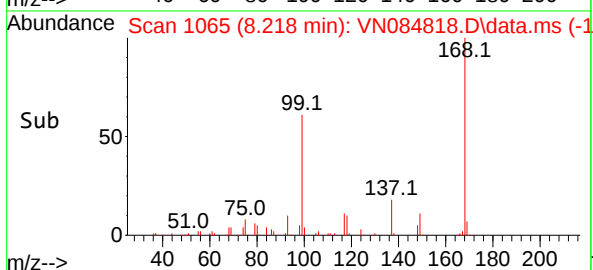
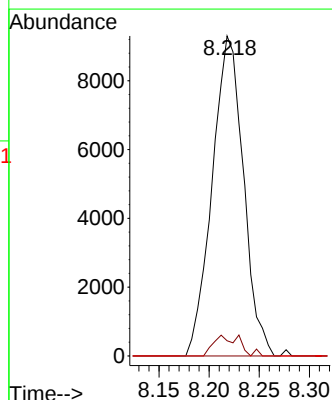
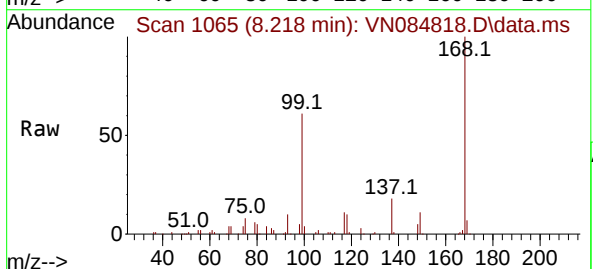
Tgt Ion: 117 Resp: 20125

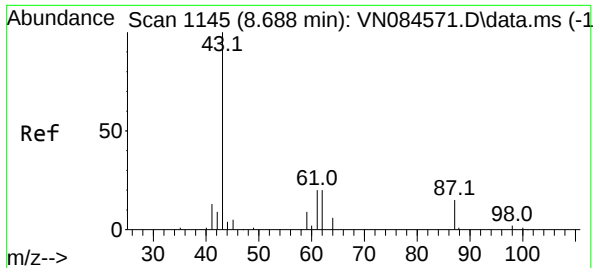
Ion Ratio Lower Upper

117 100

119 4.8 78.7 118.1#

121 0.0 24.4 36.6#

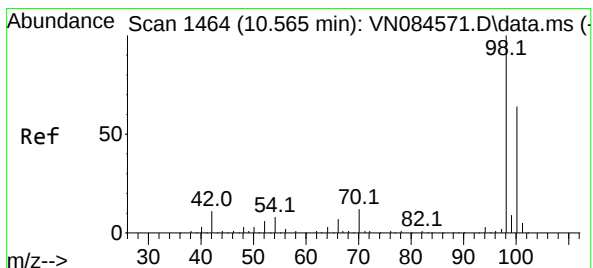
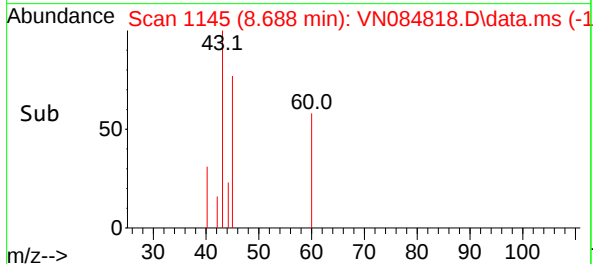
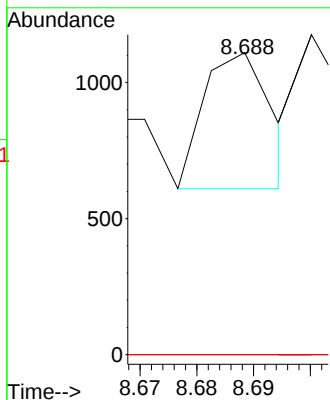
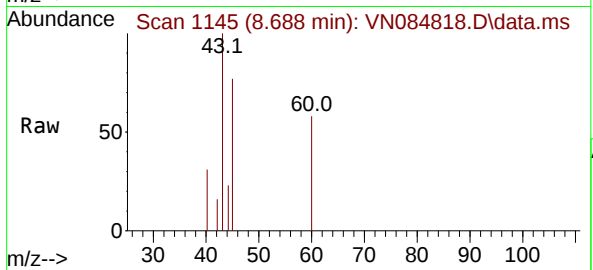




#43  
Isopropyl Acetate  
Concen: Below Cal  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VN084818.D  
Acq: 13 Nov 2024 11:13

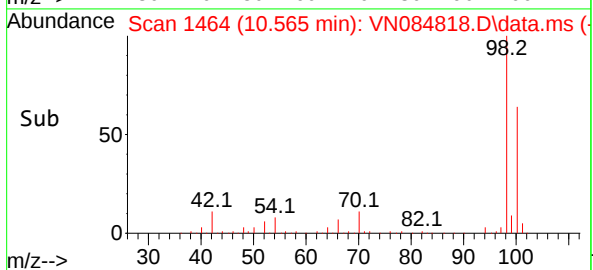
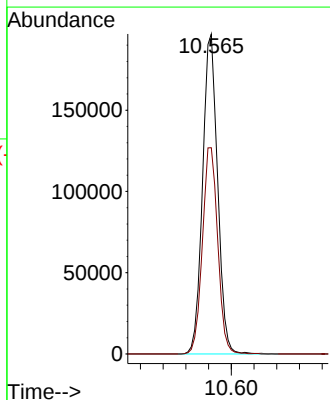
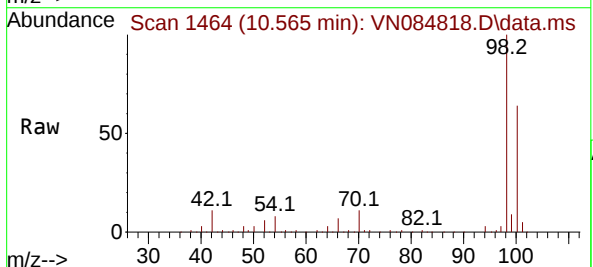
Instrument :  
MSVOA\_N  
ClientSampleId :

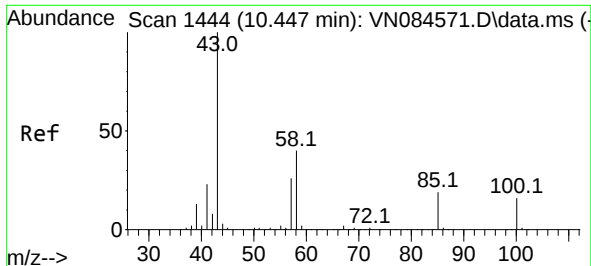
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 415   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.0   | 20.4  | 30.6# |
| 87       | 0.0   | 10.3  | 15.5# |



#50  
Toluene-d8  
Concen: 45.508 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN084818.D  
Acq: 13 Nov 2024 11:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 359892 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 65.8  | 52.7  | 79.1   |

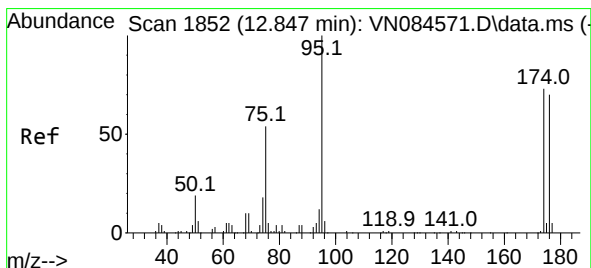
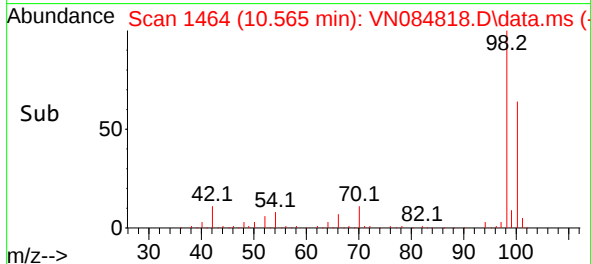
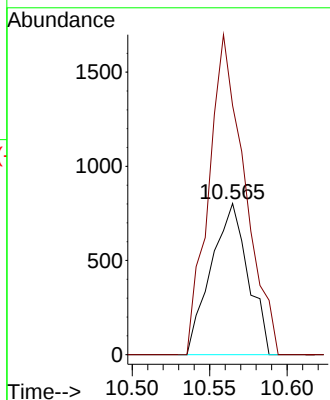
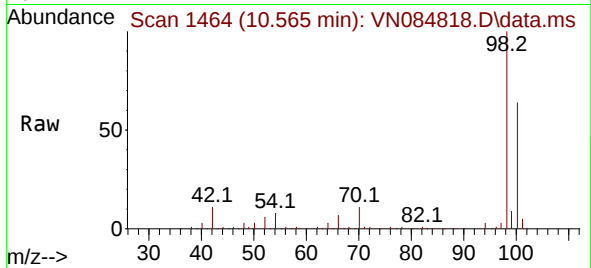




#51  
4-Methyl-2-Pentanone  
Concen: 0.517 ug/l  
RT: 10.565 min Scan# 1444  
Delta R.T. 0.124 min  
Lab File: VN084818.D  
Acq: 13 Nov 2024 11:13

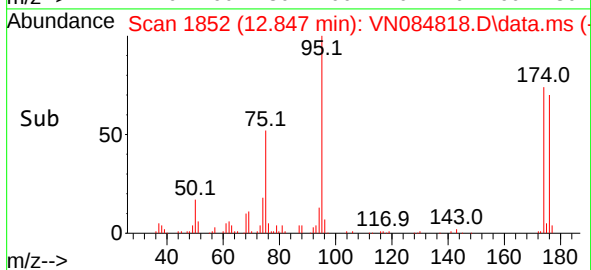
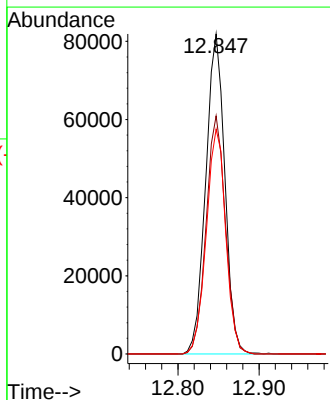
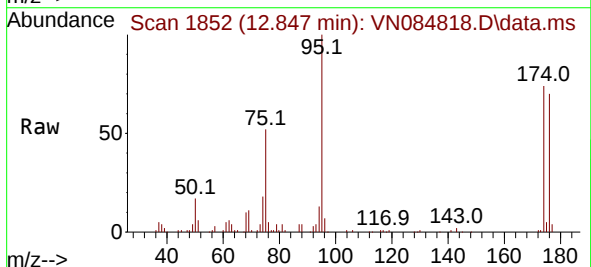
Instrument :  
MSVOA\_N  
ClientSampleId :

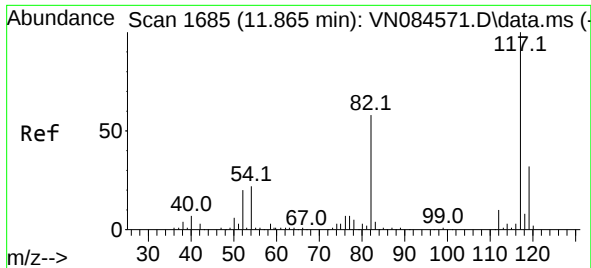
Tgt Ion: 43 Resp: 1332  
Ion Ratio Lower Upper  
43 100  
58 206.1 31.6 47.4#



#62  
4-Bromofluorobenzene  
Concen: 45.132 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN084818.D  
Acq: 13 Nov 2024 11:13

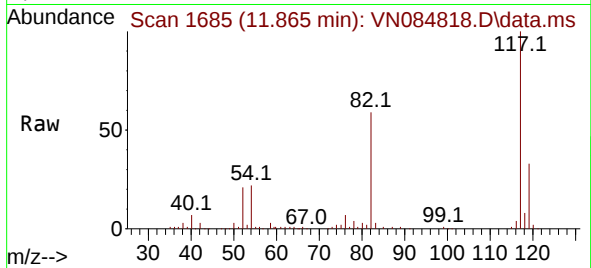
Tgt Ion: 95 Resp: 133391  
Ion Ratio Lower Upper  
95 100  
174 75.5 0.0 145.2  
176 71.7 0.0 140.0



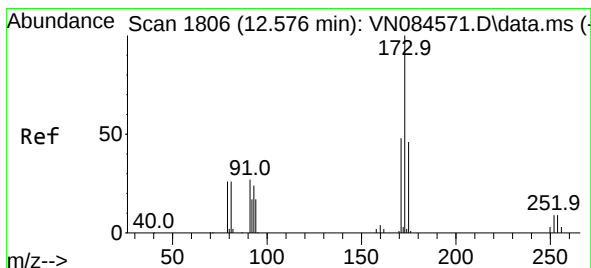
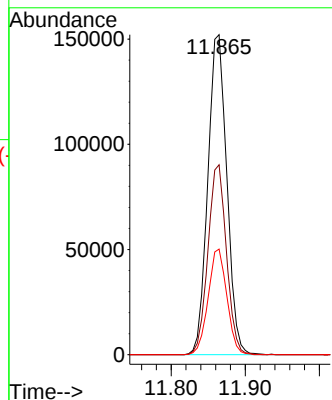
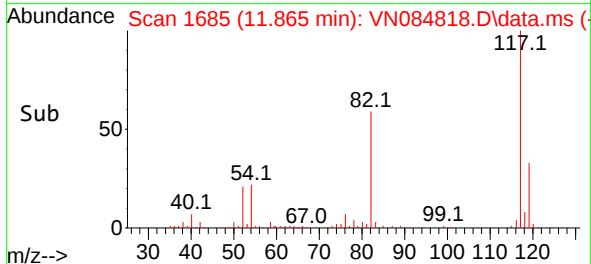


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN084818.D  
Acq: 13 Nov 2024 11:13

Instrument :  
MSVOA\_N  
ClientSampleId :

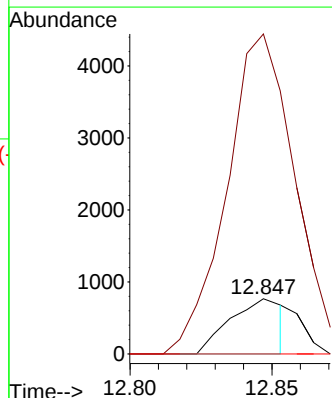
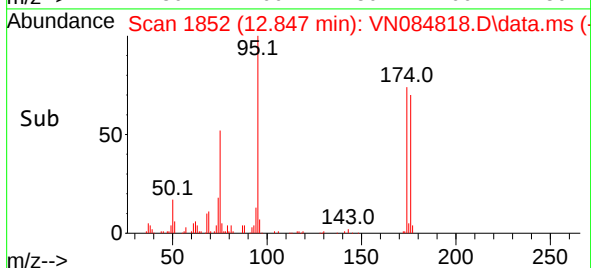
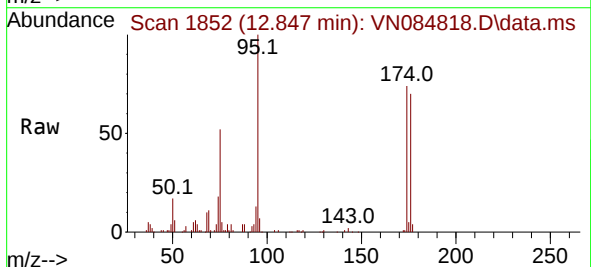


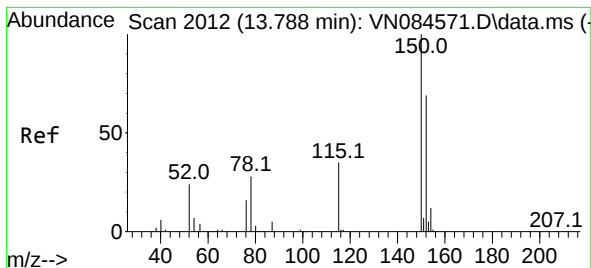
Tgt Ion:117 Resp: 270944  
Ion Ratio Lower Upper  
117 100  
82 59.3 47.2 70.8  
119 33.0 25.4 38.0



#71  
Bromoform  
Concen: 0.630 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.271 min  
Lab File: VN084818.D  
Acq: 13 Nov 2024 11:13

Tgt Ion:173 Resp: 999  
Ion Ratio Lower Upper  
173 100  
175 599.7 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: VN084818.D

Acq: 13 Nov 2024 11:13

Instrument :

MSVOA\_N

ClientSampleId :

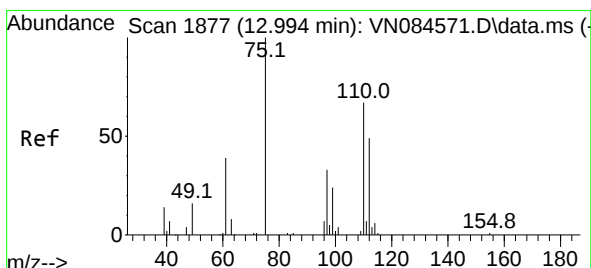
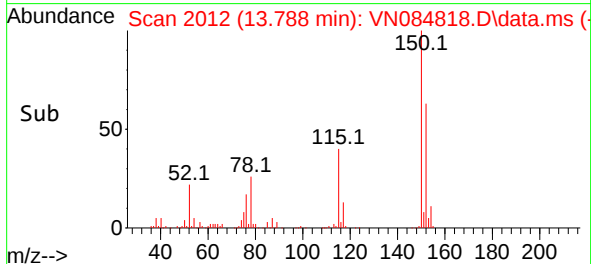
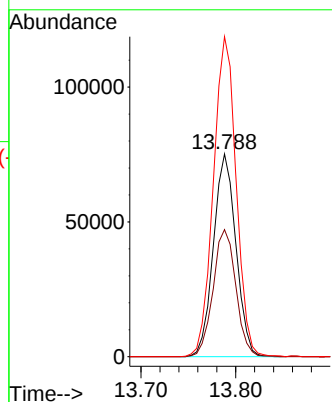
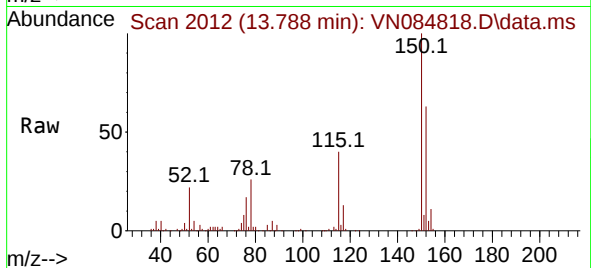
Tgt Ion:152 Resp: 124016

Ion Ratio Lower Upper

152 100

115 63.5 31.3 93.9

150 159.9 0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 27.700 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084818.D

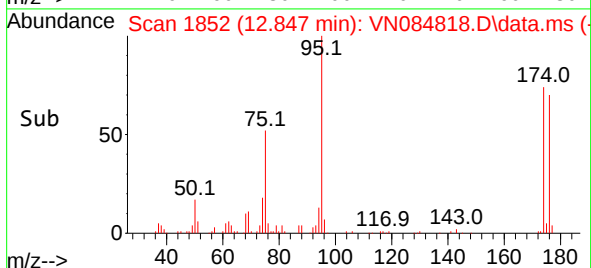
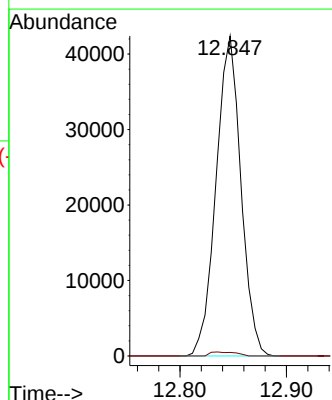
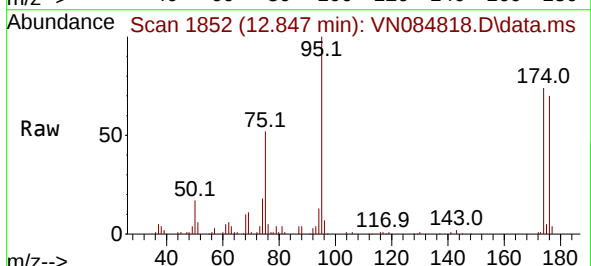
Acq: 13 Nov 2024 11:13

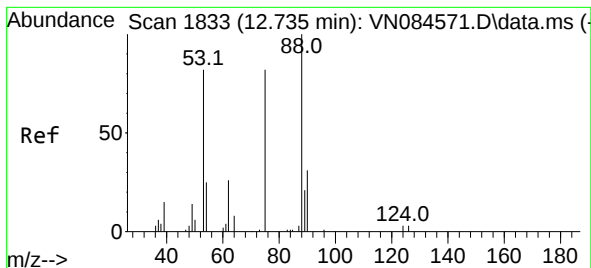
Tgt Ion: 75 Resp: 68670

Ion Ratio Lower Upper

75 100

77 1.3 96.9 290.7#

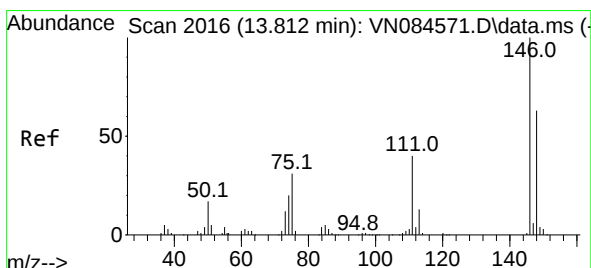
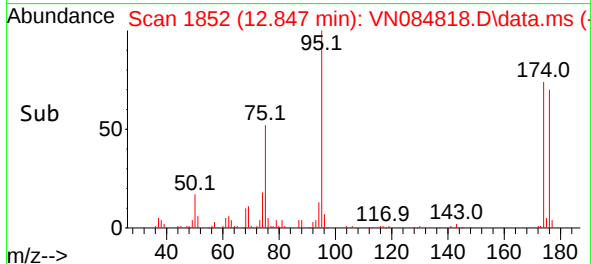
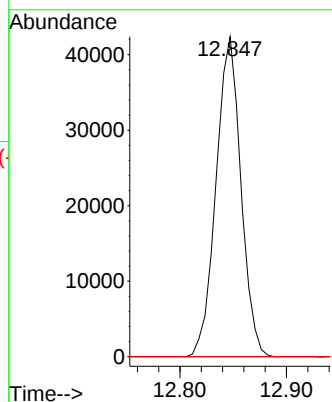
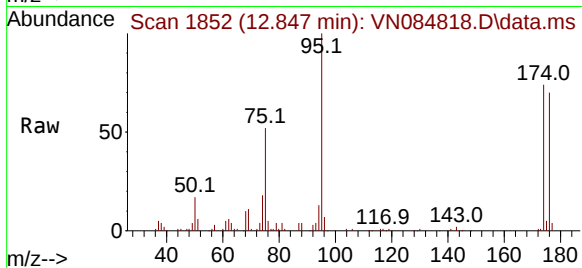




#81  
trans-1,4-Dichloro-2-butene  
Concen: 65.717 ug/l  
RT: 12.847 min Scan# 11  
Delta R.T. 0.112 min  
Lab File: VN084818.D  
Acq: 13 Nov 2024 11:13

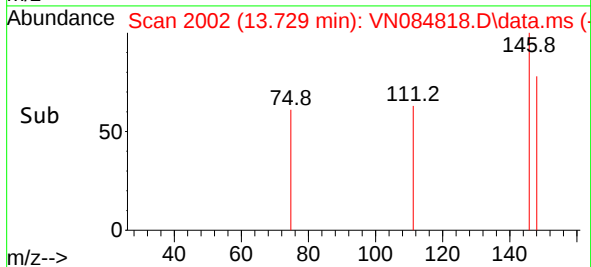
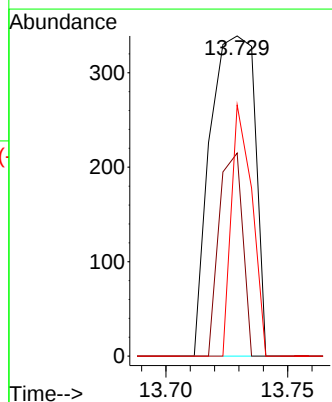
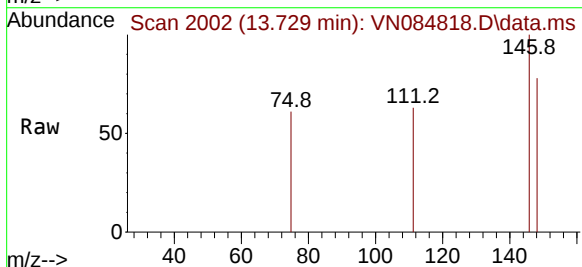
Instrument :  
MSVOA\_N  
ClientSampleId :

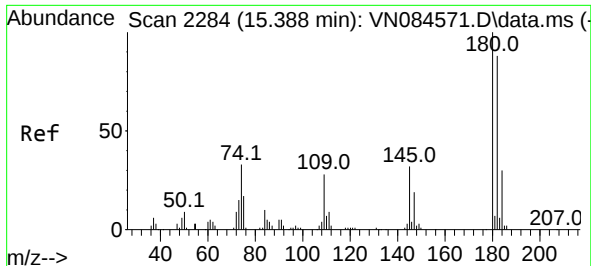
Tgt Ion: 75 Resp: 68670  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.0 35.5 53.3#



#88  
1,4-Dichlorobenzene  
Concen: Below Cal  
RT: 13.729 min Scan# 2002  
Delta R.T. -0.083 min  
Lab File: VN084818.D  
Acq: 13 Nov 2024 11:13

Tgt Ion:146 Resp: 432  
Ion Ratio Lower Upper  
146 100  
111 33.6 21.2 63.6  
148 36.3 31.9 95.9





#93

1,2,4-Trichlorobenzene

Concen: 0.221 ug/l

RT: 15.388 min Scan# 21

Delta R.T. 0.000 min

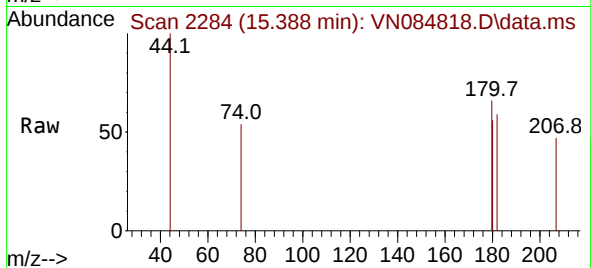
Lab File: VN084818.D

Acq: 13 Nov 2024 11:13

Instrument :

MSVOA\_N

ClientSampleId :



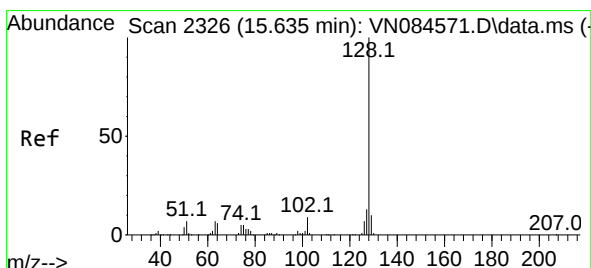
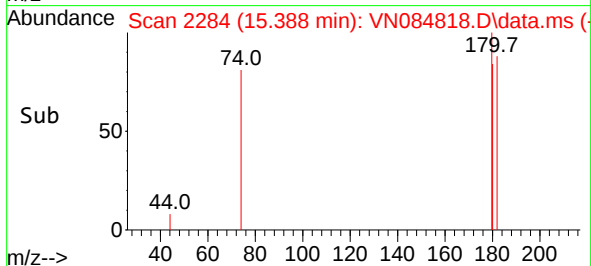
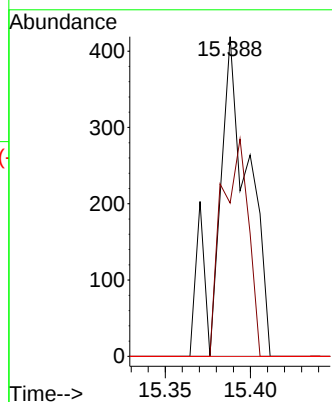
Tgt Ion:180 Resp: 529

Ion Ratio Lower Upper

180 100

182 58.2 47.0 141.0

145 0.0 16.4 49.4#



#95

Naphthalene

Concen: 0.308 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. 0.000 min

Lab File: VN084818.D

Acq: 13 Nov 2024 11:13

Tgt Ion:128 Resp: 2213

Ion Ratio Lower Upper

128 100

127 3.3 10.5 15.7#

129 0.0 8.7 13.1#

