

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122122\  
 Data File : VN075926.D  
 Acq On : 21 Dec 2022 17:53  
 Operator : JC\MD  
 Sample : N6168-06 100X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 AUD-1691

Quant Time: Dec 22 03:04:27 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 14 13:03:41 2022  
 Response via : Initial Calibration

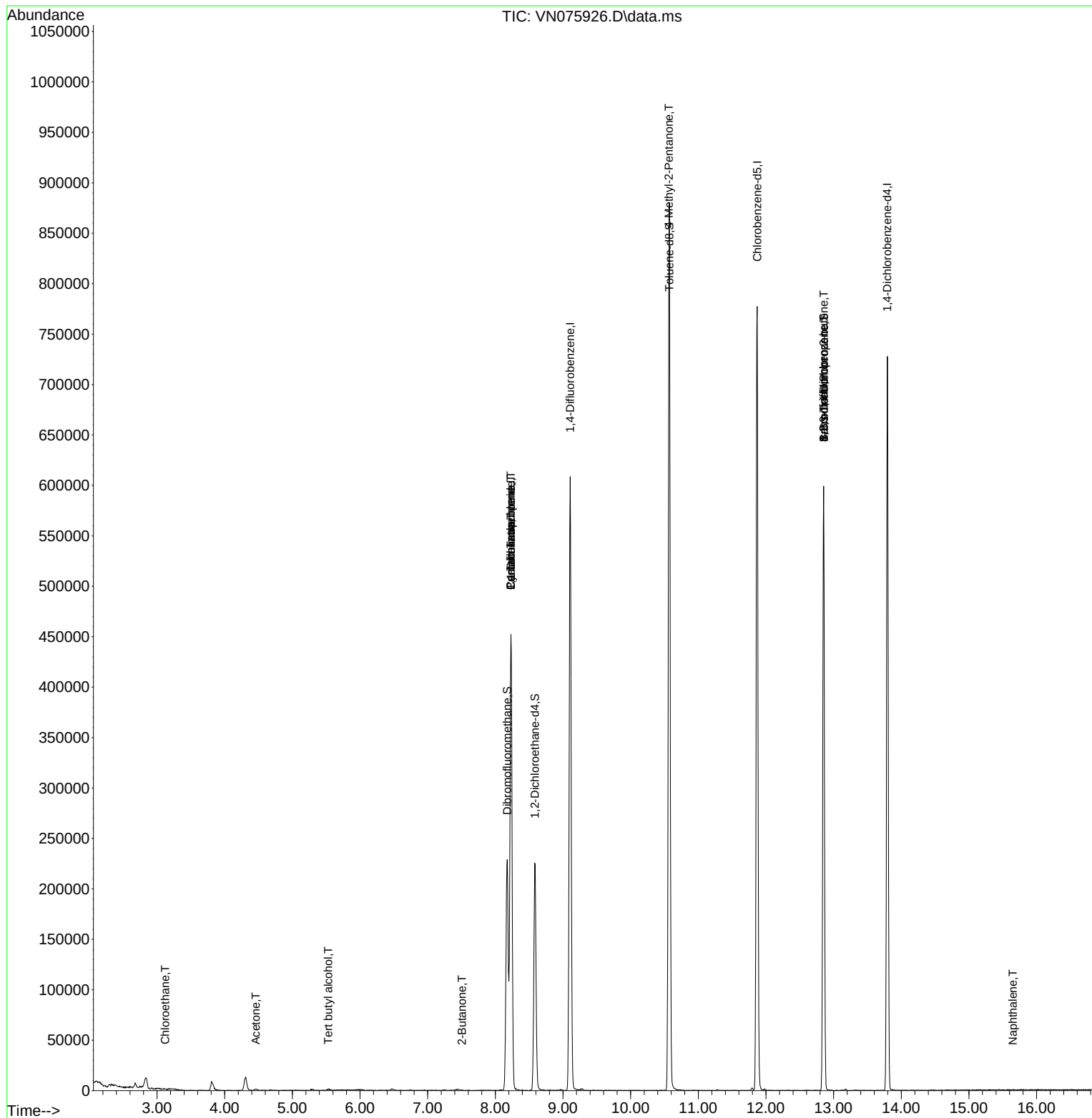
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.230  | 168   | 355602   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106  | 114   | 554073   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.871 | 117   | 488587   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794 | 152   | 208006   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.583  | 65    | 181072   | 46.805    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 93.620%  |
| 35) Dibromofluoromethane      | 8.177  | 113   | 165883   | 48.344    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 96.680%  |
| 50) Toluene-d8                | 10.571 | 98    | 643773   | 50.180    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 100.360% |
| 62) 4-Bromofluorobenzene      | 12.853 | 95    | 201313   | 47.377    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 94.760%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 6) Chloroethane               | 3.118  | 64    | 673      | 0.243     | ug/l # | 44       |
| 11) Tert butyl alcohol        | 5.530  | 59    | 1557     | 2.844     | ug/l # | 72       |
| 16) Acetone                   | 4.459  | 43    | 1285     | 0.964     | ug/l # | 85       |
| 20) Methylene Chloride        | 5.277  | 84    | 481      | Below Cal | #      | 66       |
| 25) 2-Butanone                | 7.506  | 43    | 704      | 0.377     | ug/l # | 40       |
| 31) Cyclohexane               | 8.230  | 56    | 6770     | 1.222     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 8.230  | 75    | 25322    | 5.555     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 8.230  | 117   | 34517    | 6.766     | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 10.565 | 43    | 2440     | 0.668     | ug/l # | 1        |
| 71) Bromoform                 | 12.853 | 173   | 1475     | 0.546     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75    | 101090   | 24.110    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75    | 101090   | 86.783    | ug/l # | 12       |
| 95) Naphthalene               | 15.647 | 128   | 271      | 2.200     | ug/l # | 69       |
| -----                         |        |       |          |           |        |          |

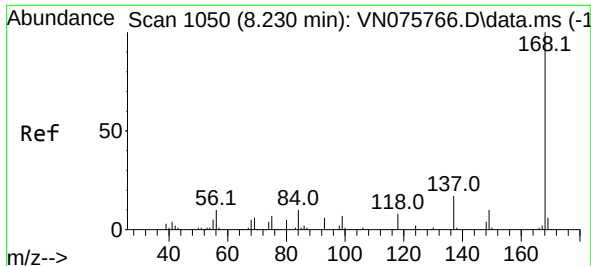
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122122\  
Data File : VN075926.D  
Acq On : 21 Dec 2022 17:53  
Operator : JC\MD  
Sample : N6168-06 100X  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
AUD-1691

Quant Time: Dec 22 03:04:27 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 14 13:03:41 2022  
Response via : Initial Calibration

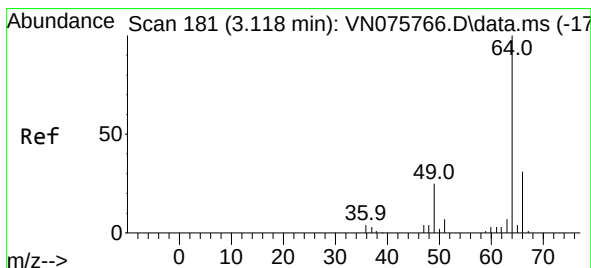
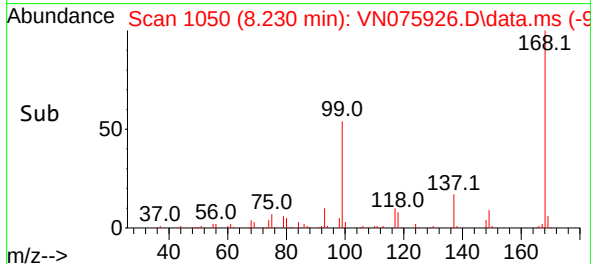
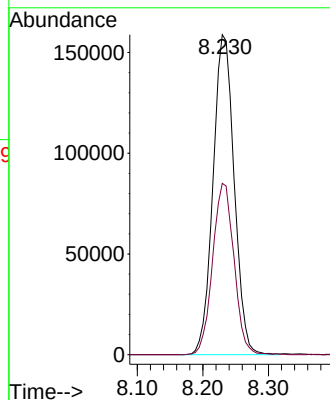
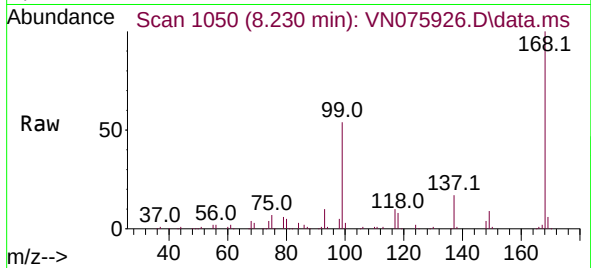




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN075926.D  
Acq: 21 Dec 2022 17:53

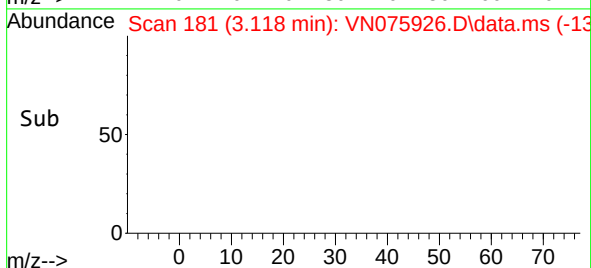
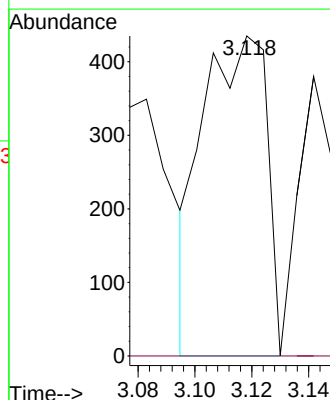
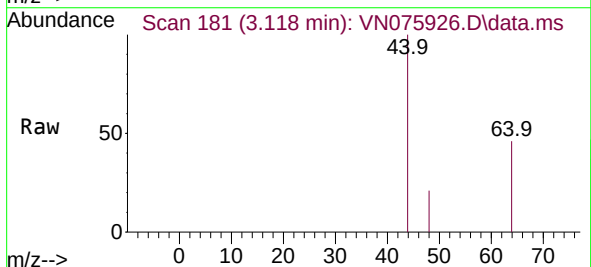
Instrument :  
MSVOA\_N  
ClientSampleId :  
AUD-1691

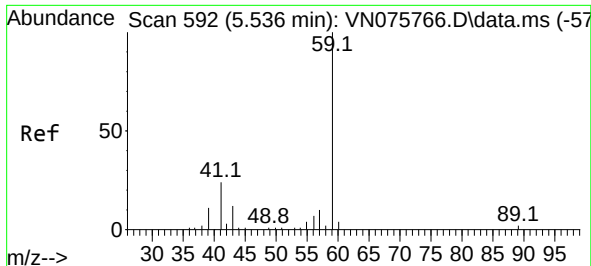
Tgt Ion:168 Resp: 355602  
Ion Ratio Lower Upper  
168 100  
99 53.6 44.2 66.4



#6  
Chloroethane  
Concen: 0.243 ug/l  
RT: 3.118 min Scan# 181  
Delta R.T. 0.000 min  
Lab File: VN075926.D  
Acq: 21 Dec 2022 17:53

Tgt Ion: 64 Resp: 673  
Ion Ratio Lower Upper  
64 100  
66 0.0 24.6 36.8#





#11

Tert butyl alcohol

Concen: 2.844 ug/l

RT: 5.530 min Scan# 591

Delta R.T. -0.006 min

Lab File: VN075926.D

Acq: 21 Dec 2022 17:53

Instrument :

MSVOA\_N

ClientSampleId :

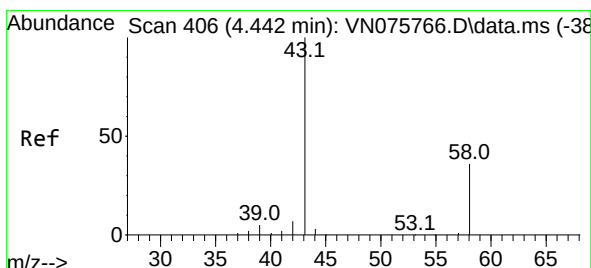
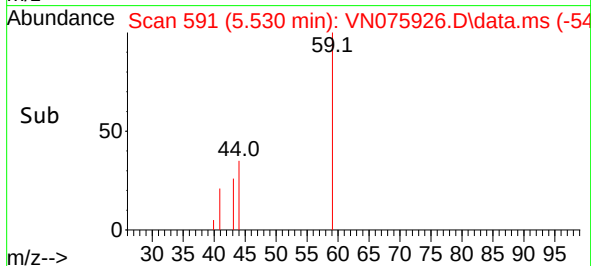
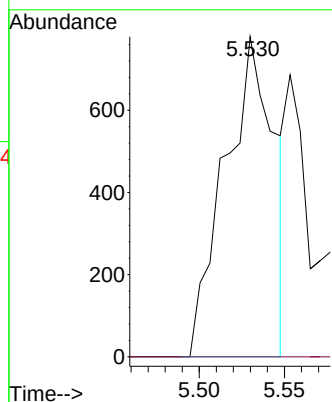
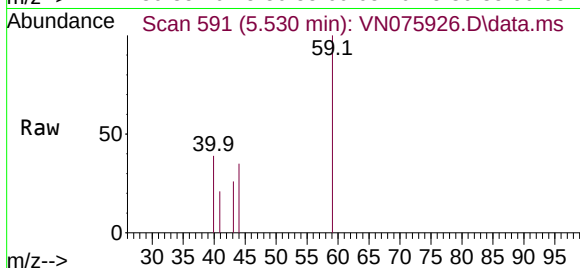
AUD-1691

Tgt Ion: 59 Resp: 1557

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 0.964 ug/l

RT: 4.459 min Scan# 409

Delta R.T. 0.018 min

Lab File: VN075926.D

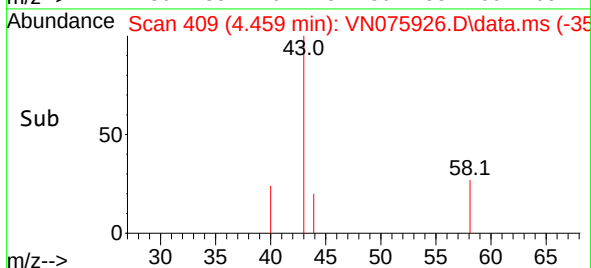
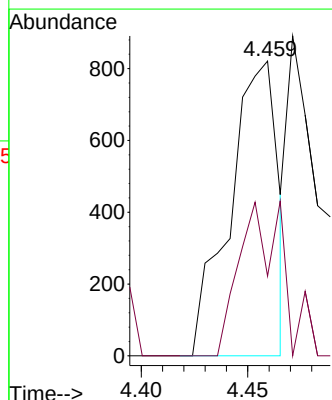
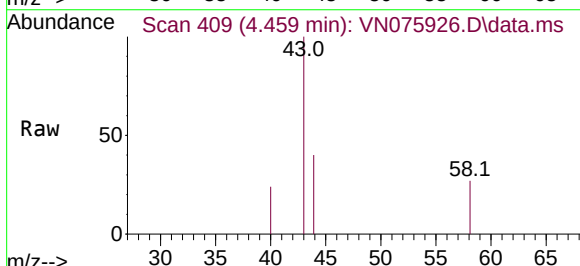
Acq: 21 Dec 2022 17:53

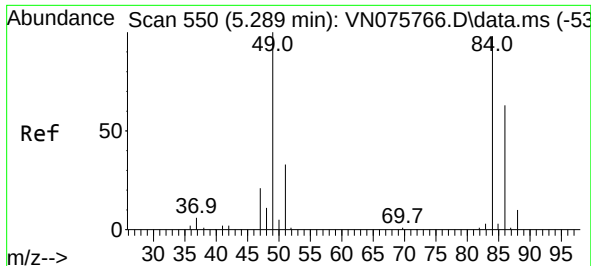
Tgt Ion: 43 Resp: 1285

Ion Ratio Lower Upper

43 100

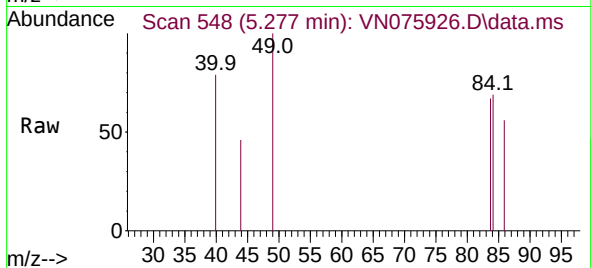
58 27.0 28.6 43.0#



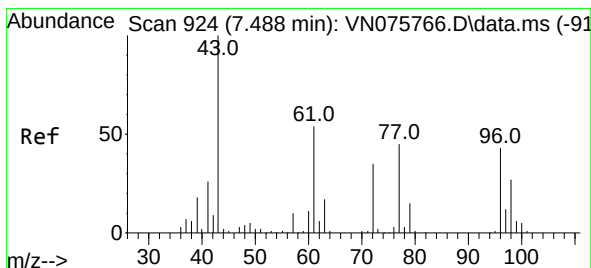
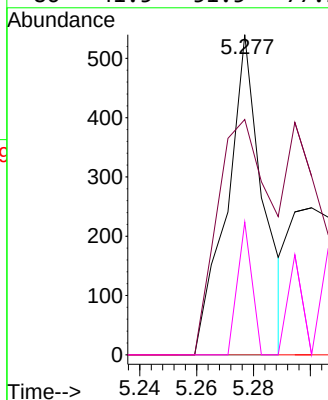
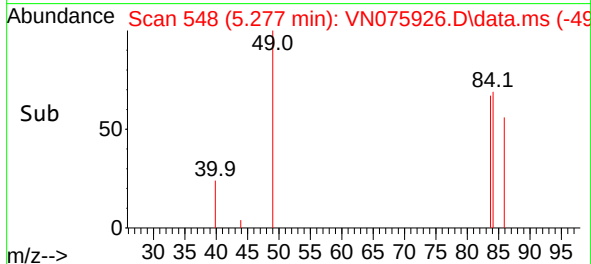


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 5.277 min Scan# 54  
Delta R.T. -0.012 min  
Lab File: VN075926.D  
Acq: 21 Dec 2022 17:53

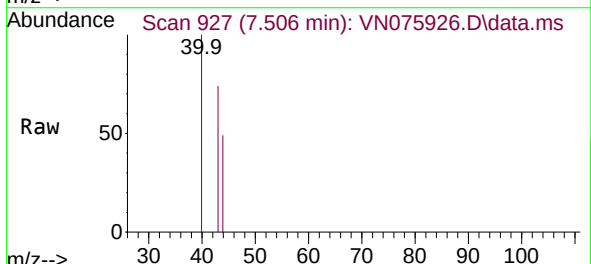
Instrument :  
MSVOA\_N  
ClientSampleId :  
AUD-1691



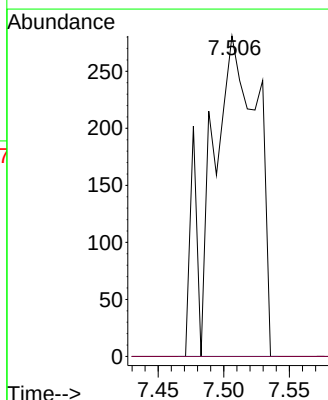
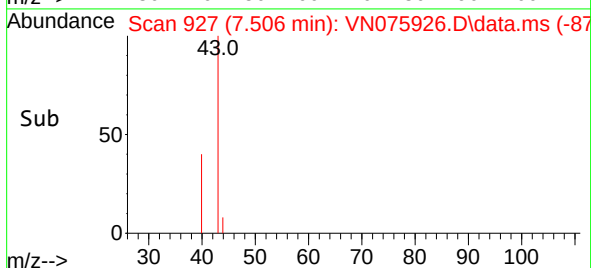
Tgt Ion: 84 Resp: 481  
Ion Ratio Lower Upper  
84 100  
49 73.5 81.8 122.6#  
51 0.0 26.7 40.1#  
86 41.5 51.5 77.3#

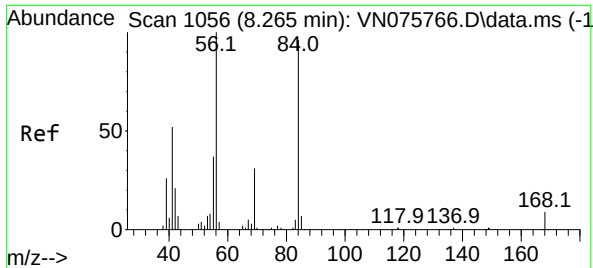


#25  
2-Butanone  
Concen: 0.377 ug/l  
RT: 7.506 min Scan# 927  
Delta R.T. 0.018 min  
Lab File: VN075926.D  
Acq: 21 Dec 2022 17:53



Tgt Ion: 43 Resp: 704  
Ion Ratio Lower Upper  
43 100  
72 0.0 28.0 42.0#

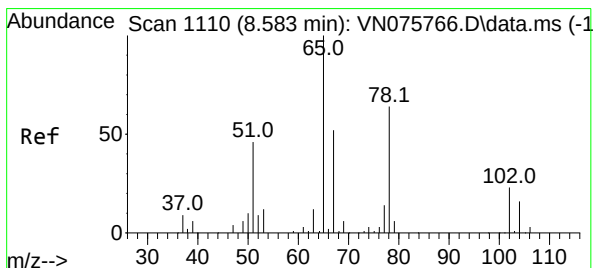
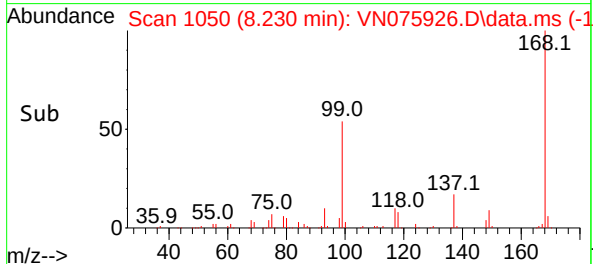
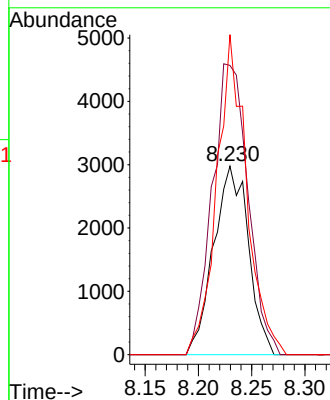
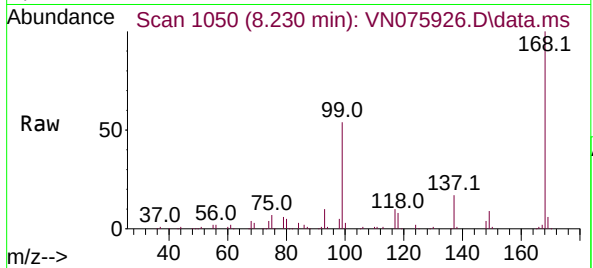




#31  
Cyclohexane  
Concen: 1.222 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.035 min  
Lab File: VN075926.D  
Acq: 21 Dec 2022 17:53

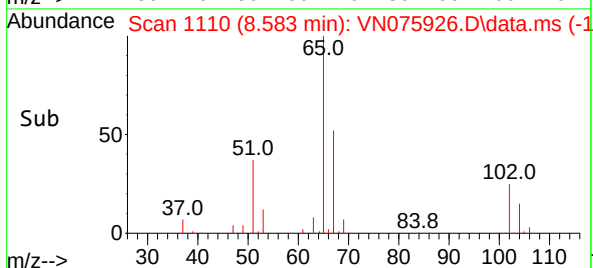
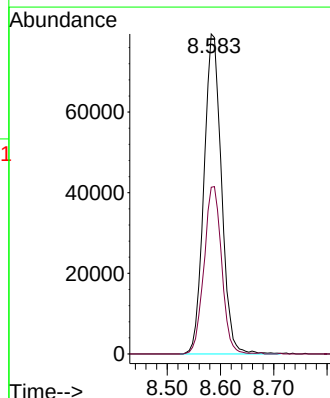
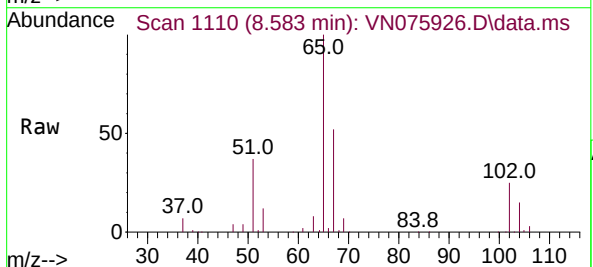
Instrument :  
MSVOA\_N  
ClientSampleId :  
AUD-1691

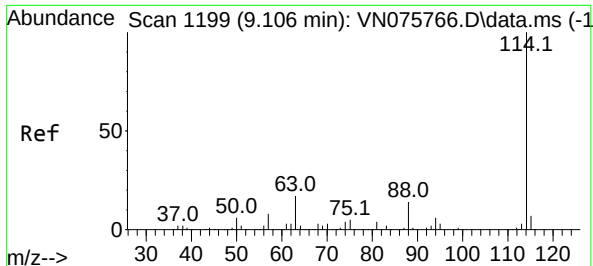
Tgt Ion: 56 Resp: 6770  
Ion Ratio Lower Upper  
56 100  
69 153.5 24.7 37.1#  
84 169.8 76.5 114.7#



#33  
1,2-Dichloroethane-d4  
Concen: 46.805 ug/l  
RT: 8.583 min Scan# 1110  
Delta R.T. 0.000 min  
Lab File: VN075926.D  
Acq: 21 Dec 2022 17:53

Tgt Ion: 65 Resp: 181072  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075926.D

Acq: 21 Dec 2022 17:53

Instrument :

MSVOA\_N

ClientSampleId :

AUD-1691

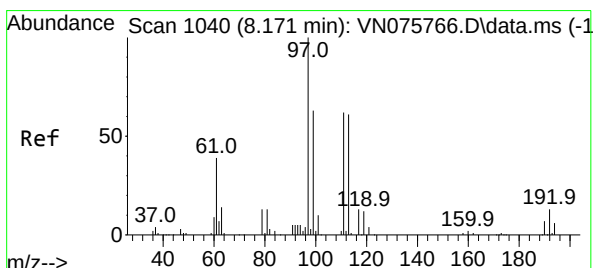
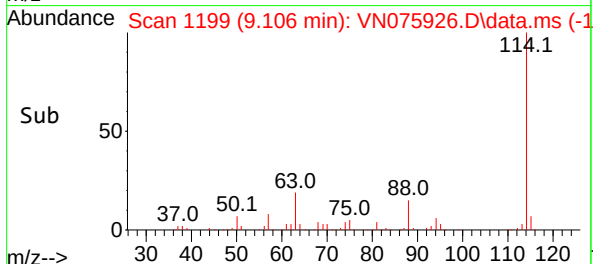
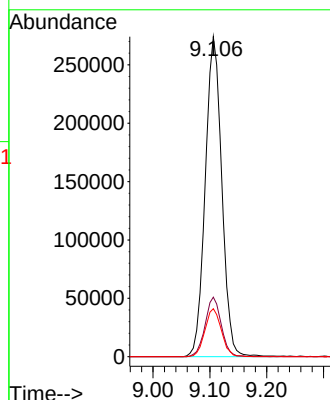
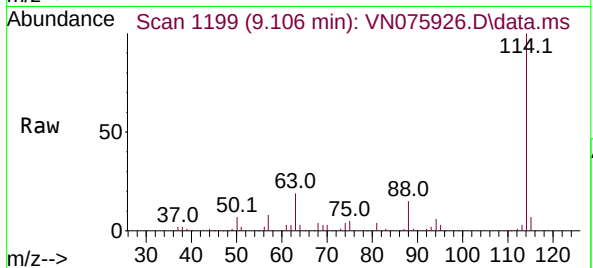
Tgt Ion:114 Resp: 554073

Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.4

88 15.0 0.0 28.8



#35

Dibromofluoromethane

Concen: 48.344 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075926.D

Acq: 21 Dec 2022 17:53

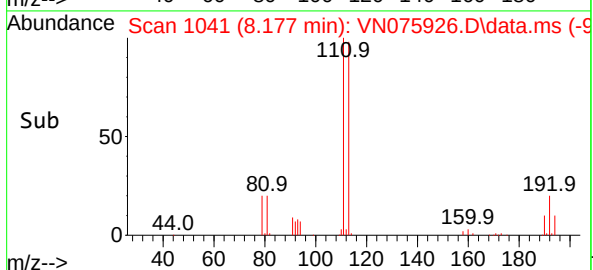
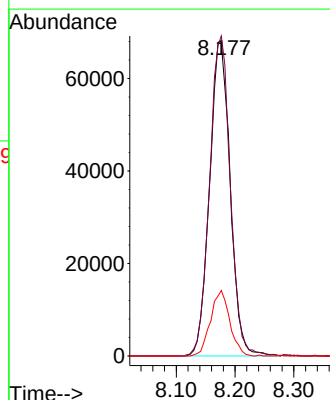
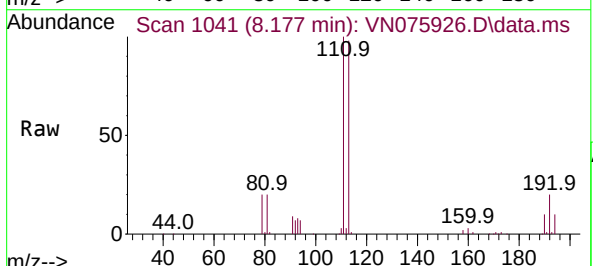
Tgt Ion:113 Resp: 165883

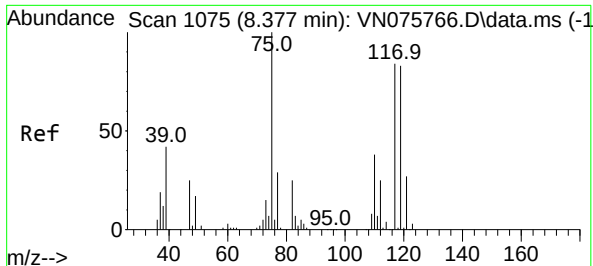
Ion Ratio Lower Upper

113 100

111 101.9 83.4 125.2

192 19.4 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.555 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075926.D

Acq: 21 Dec 2022 17:53

Instrument :

MSVOA\_N

ClientSampleId :

AUD-1691

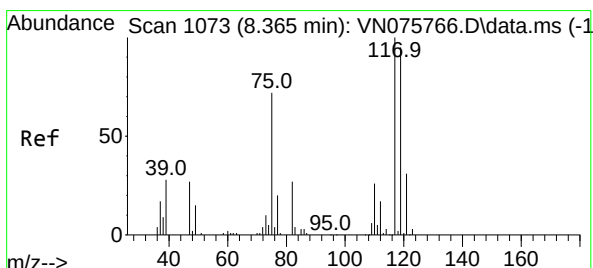
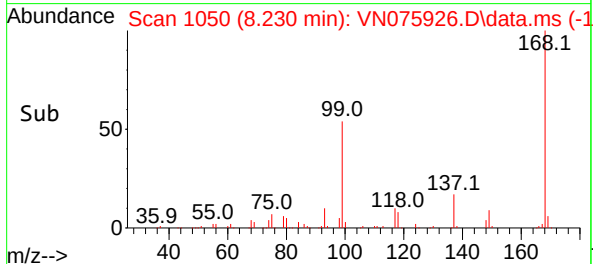
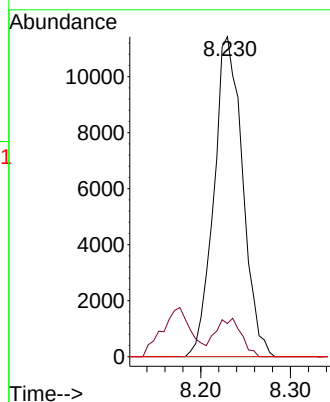
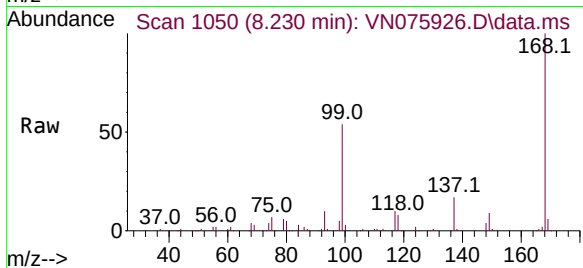
Tgt Ion: 75 Resp: 25322

Ion Ratio Lower Upper

75 100

110 10.7 18.8 56.4#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.766 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN075926.D

Acq: 21 Dec 2022 17:53

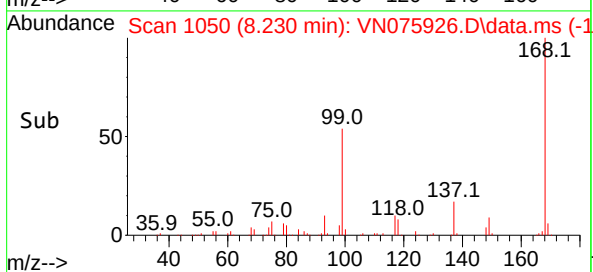
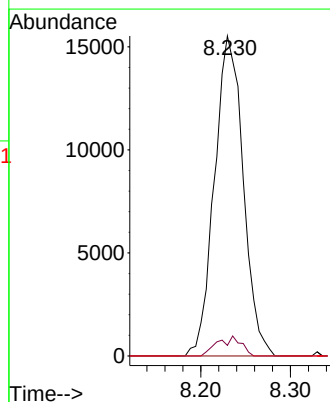
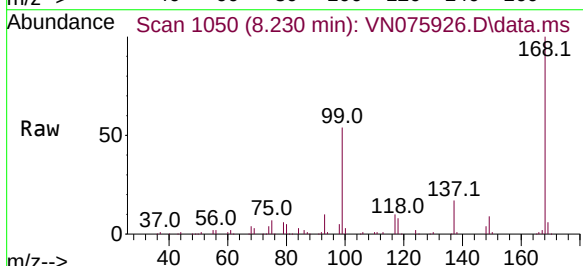
Tgt Ion: 117 Resp: 34517

Ion Ratio Lower Upper

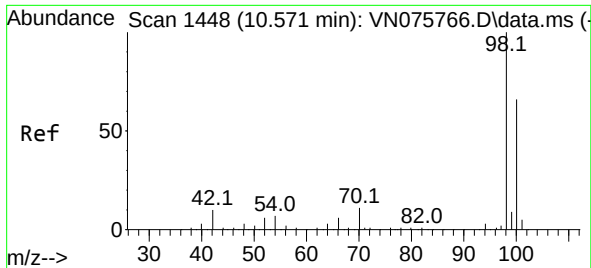
117 100

119 3.3 76.1 114.1#

121 0.0 24.5 36.7#



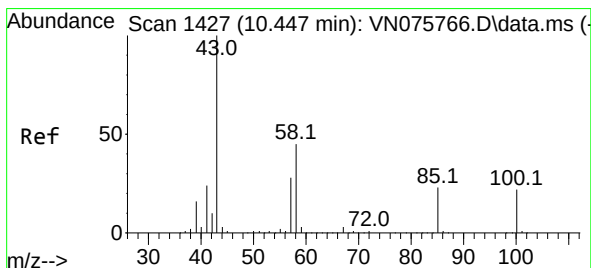
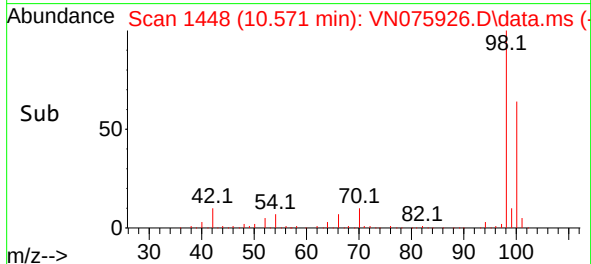
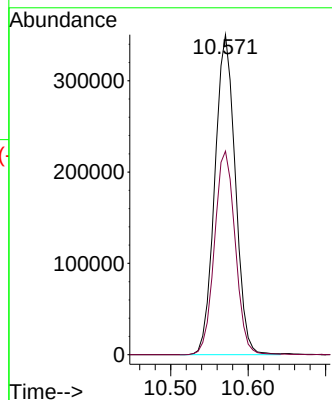
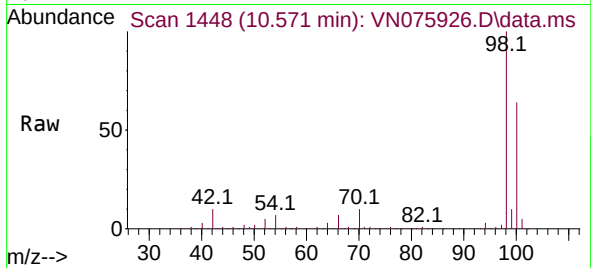




#50  
Toluene-d8  
Concen: 50.180 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: VN075926.D  
Acq: 21 Dec 2022 17:53

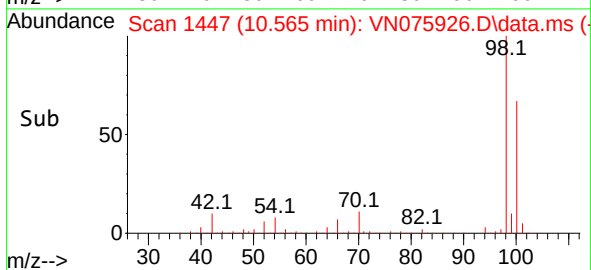
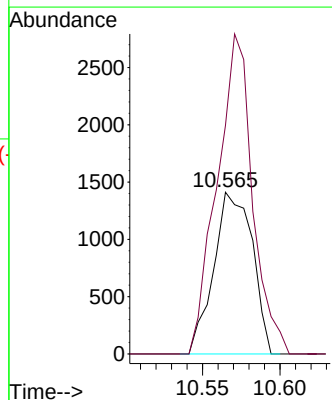
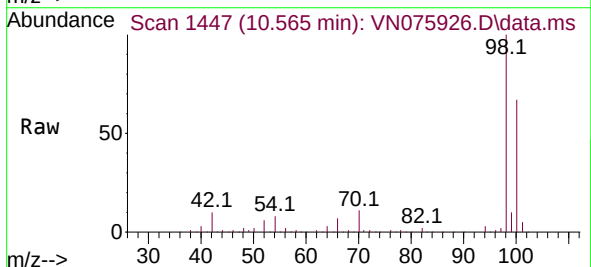
Instrument :  
MSVOA\_N  
ClientSampleId :  
AUD-1691

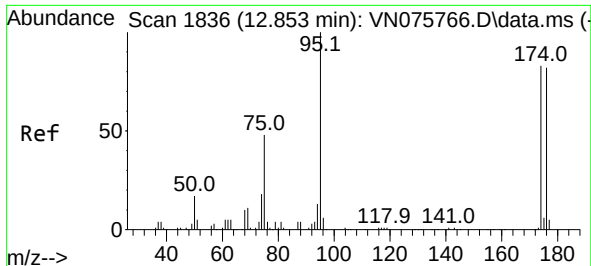
Tgt Ion: 98 Resp: 643773  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.1 78.1



#51  
4-Methyl-2-Pentanone  
Concen: 0.668 ug/l  
RT: 10.565 min Scan# 1447  
Delta R.T. 0.118 min  
Lab File: VN075926.D  
Acq: 21 Dec 2022 17:53

Tgt Ion: 43 Resp: 2440  
Ion Ratio Lower Upper  
43 100  
58 181.8 35.5 53.3#

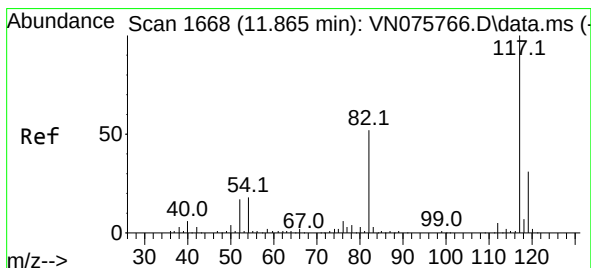
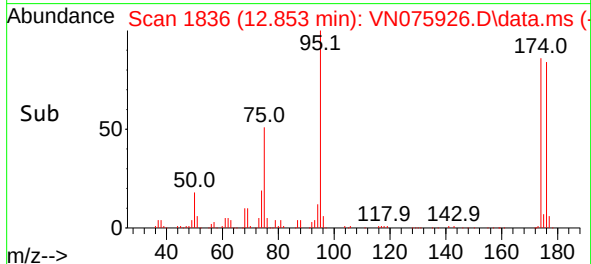
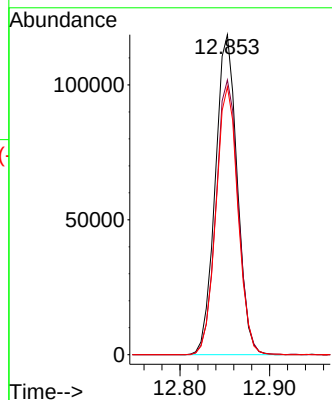
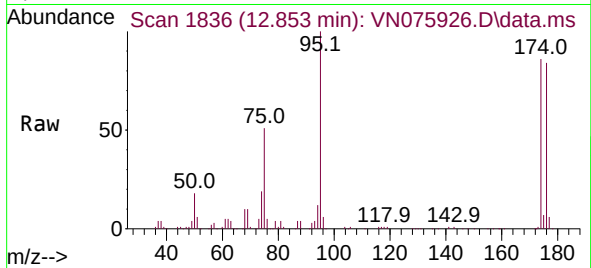




#62  
4-Bromofluorobenzene  
Concen: 47.377 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.000 min  
Lab File: VN075926.D  
Acq: 21 Dec 2022 17:53

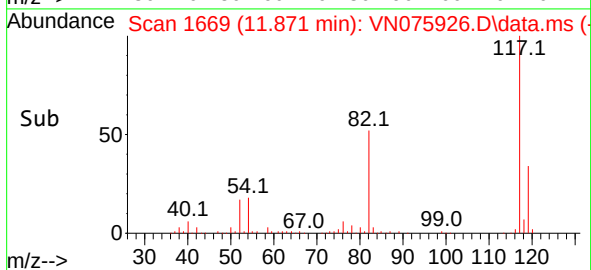
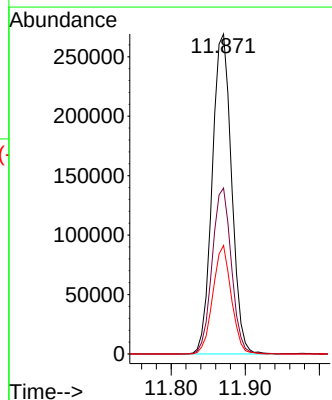
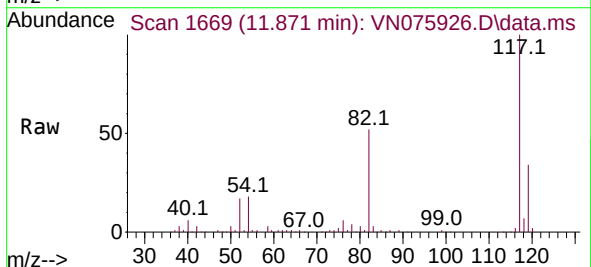
Instrument :  
MSVOA\_N  
ClientSampleId :  
AUD-1691

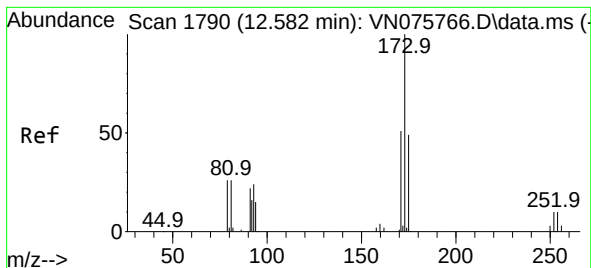
Tgt Ion: 95 Resp: 201313  
Ion Ratio Lower Upper  
95 100  
174 86.9 0.0 171.6  
176 83.8 0.0 169.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1669  
Delta R.T. 0.006 min  
Lab File: VN075926.D  
Acq: 21 Dec 2022 17:53

Tgt Ion: 117 Resp: 488587  
Ion Ratio Lower Upper  
117 100  
82 51.8 41.3 61.9  
119 33.9 24.6 37.0





#71

Bromoform

Concen: 0.546 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min MSVOA\_N

Lab File: VN075926.D

Acq: 21 Dec 2022 17:53

Instrument :

MSVOA\_N

ClientSampleId :

AUD-1691

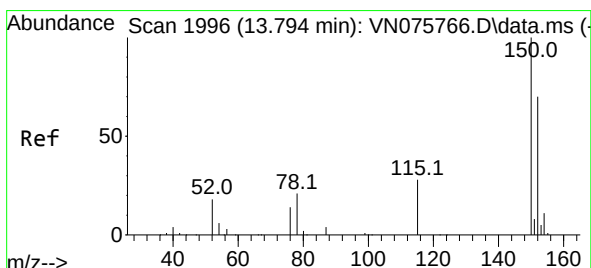
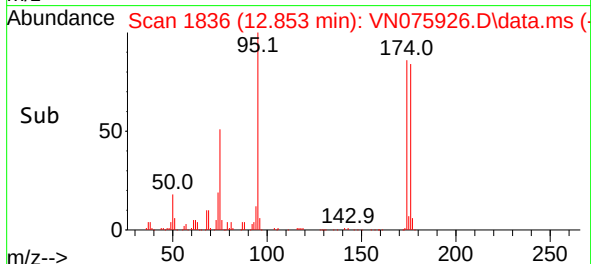
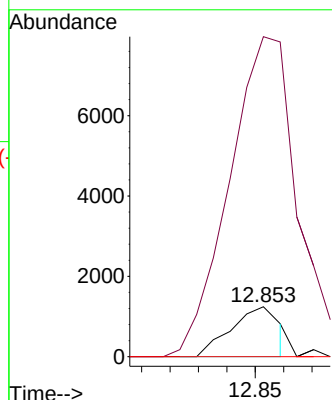
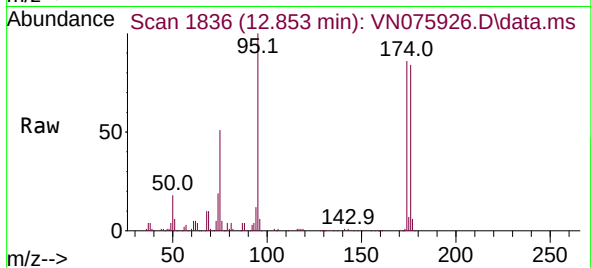
Tgt Ion:173 Resp: 1475

Ion Ratio Lower Upper

173 100

175 732.5 24.3 72.8#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. 0.000 min

Lab File: VN075926.D

Acq: 21 Dec 2022 17:53

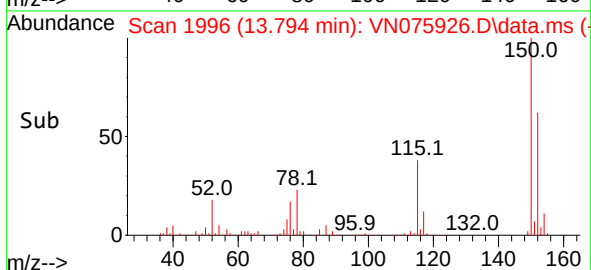
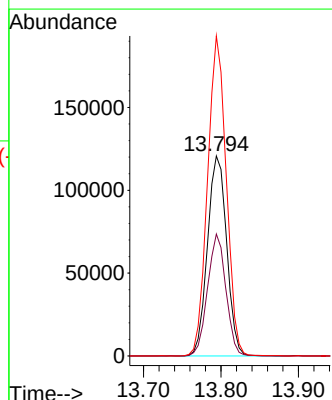
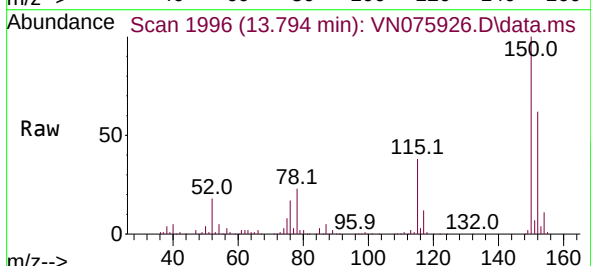
Tgt Ion:152 Resp: 208006

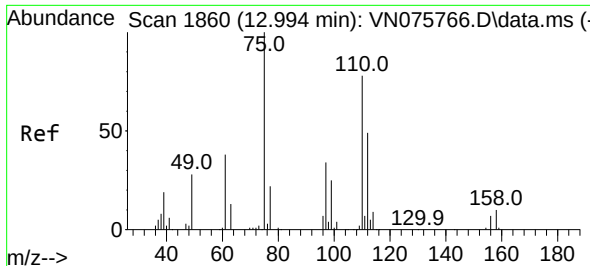
Ion Ratio Lower Upper

152 100

115 58.1 29.1 87.4

150 155.8 0.0 347.0

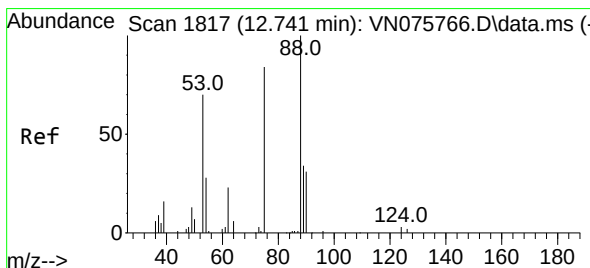
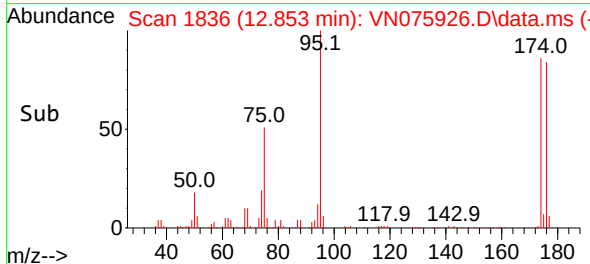
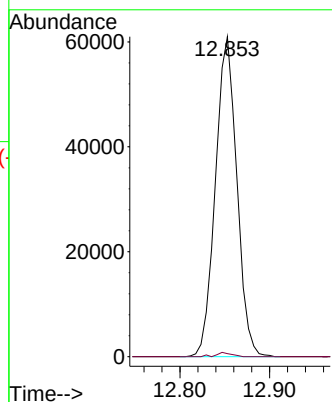
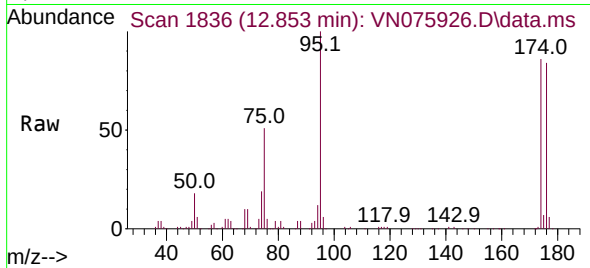




#76  
1,2,3-Trichloropropane  
Concen: 24.110 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. -0.141 min  
Lab File: VN075926.D  
Acq: 21 Dec 2022 17:53

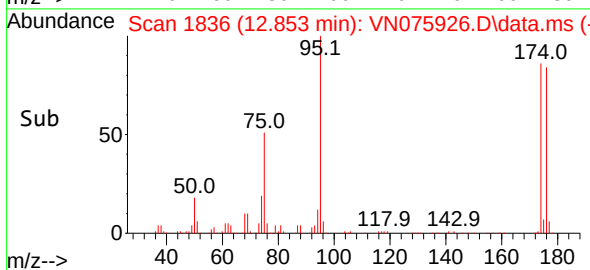
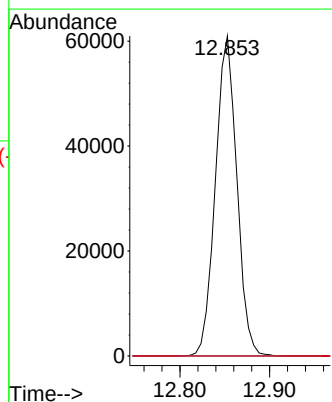
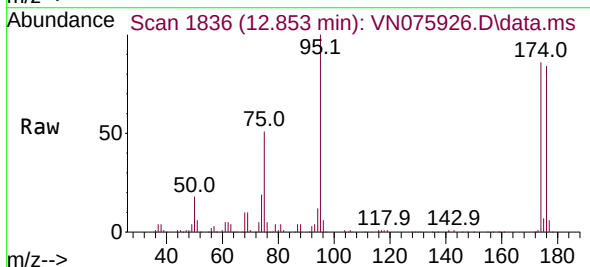
Instrument :  
MSVOA\_N  
ClientSampleId :  
AUD-1691

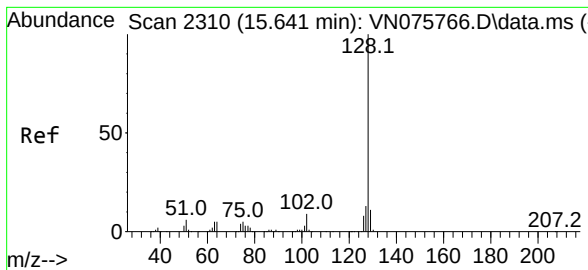
Tgt Ion: 75 Resp: 101090  
Ion Ratio Lower Upper  
75 100  
77 1.0 82.6 247.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 86.783 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.112 min  
Lab File: VN075926.D  
Acq: 21 Dec 2022 17:53

Tgt Ion: 75 Resp: 101090  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.8 110.6#  
89 0.0 39.5 59.3#





#95

Naphthalene

Concen: 2.200 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN075926.D

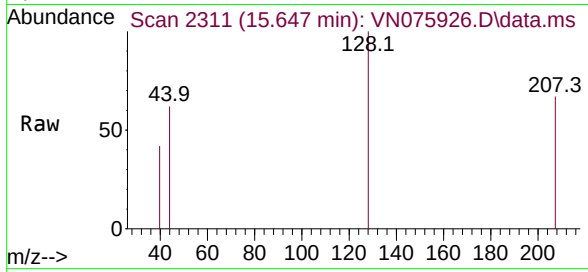
Acq: 21 Dec 2022 17:53

Instrument :

MSVOA\_N

ClientSampleId :

AUD-1691



Tgt Ion:128 Resp: 271

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#

