

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122122\  
 Data File : VN075924.D  
 Acq On : 21 Dec 2022 17:05  
 Operator : JC\MD  
 Sample : N6168-11 50X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 AUD-1839

Quant Time: Dec 22 03:03:50 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

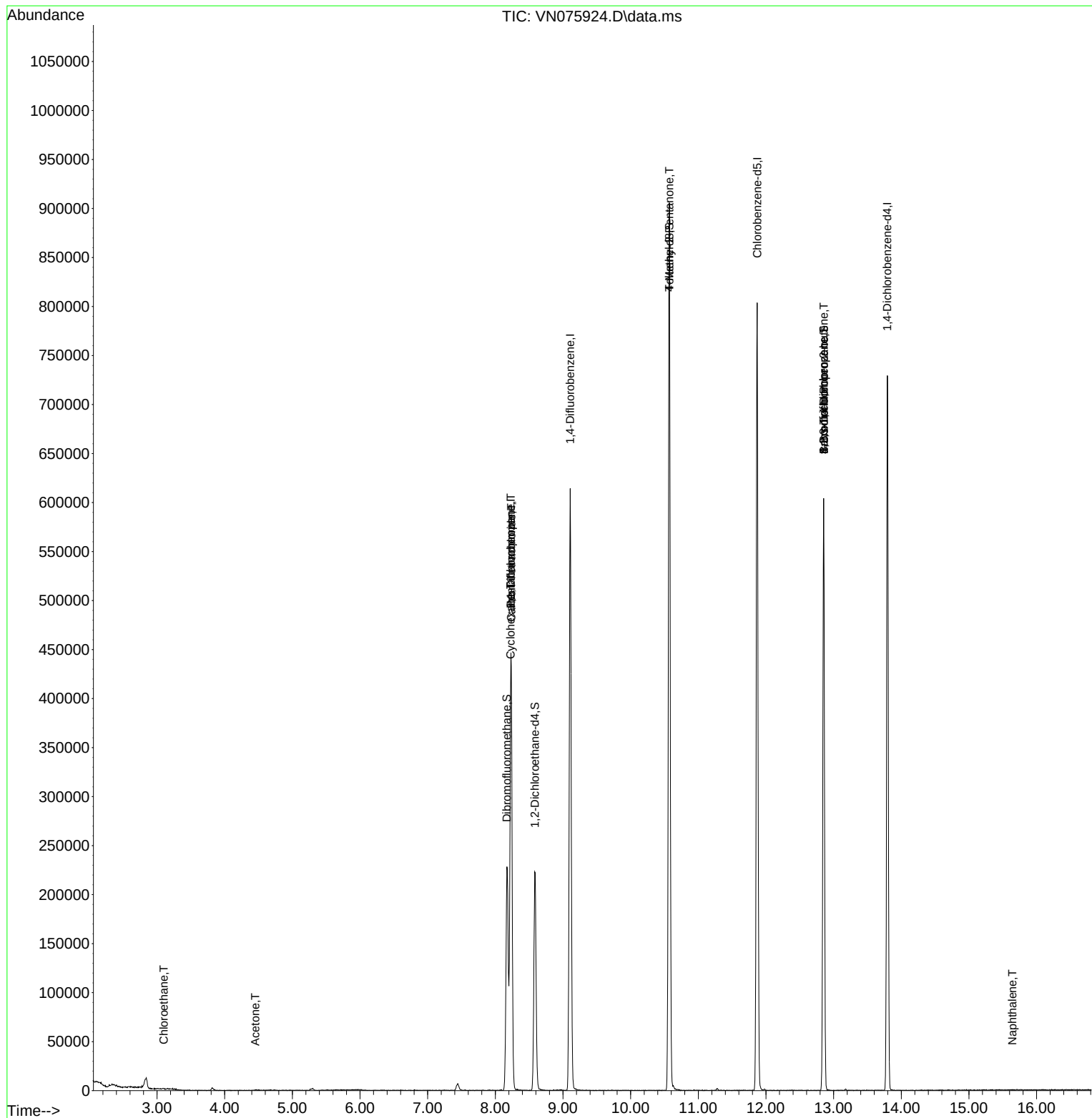
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.230  | 168   | 350829   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106  | 114   | 557848   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.870 | 117   | 487709   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794 | 152   | 206109   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.582  | 65    | 180270   | 47.232    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 94.460%  |
| 35) Dibromofluoromethane      | 8.171  | 113   | 163763   | 47.403    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 94.800%  |
| 50) Toluene-d8                | 10.571 | 98    | 638459   | 49.429    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 98.860%  |
| 62) 4-Bromofluorobenzene      | 12.853 | 95    | 201535   | 47.108    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 94.220%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 6) Chloroethane               | 3.100  | 64    | 618      | 0.226     | ug/l # | 44       |
| 16) Acetone                   | 4.453  | 43    | 444      | 0.337     | ug/l # | 39       |
| 20) Methylene Chloride        | 5.294  | 84    | 1394     | Below Cal | #      | 69       |
| 31) Cyclohexane               | 8.224  | 56    | 6868     | 1.256     | ug/l # | 35       |
| 36) 1,1-Dichloropropene       | 8.230  | 75    | 25249    | 5.502     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 8.235  | 117   | 34926    | 6.800     | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.571 | 43    | 1995     | 0.543     | ug/l # | 1        |
| 71) Bromoform                 | 12.853 | 173   | 1449     | 0.537     | ug/l # | 29       |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75    | 101505   | 24.432    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75    | 101505   | 87.942    | ug/l # | 12       |
| 95) Naphthalene               | 15.641 | 128   | 215      | 2.196     | ug/l # | 69       |
| -----                         |        |       |          |           |        |          |

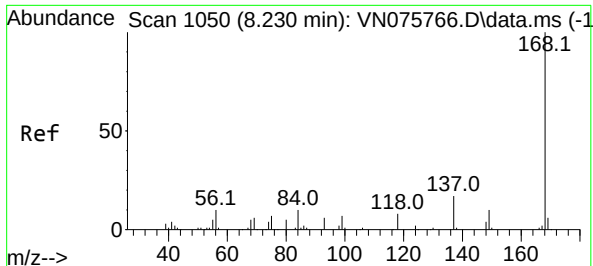
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_N  
ClientSampleId :  
AUD-1839

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Quant Title : SW846 8260  
QLast Update : Wed Dec 14 13:03:41 2022  
Response via : Initial Calibration

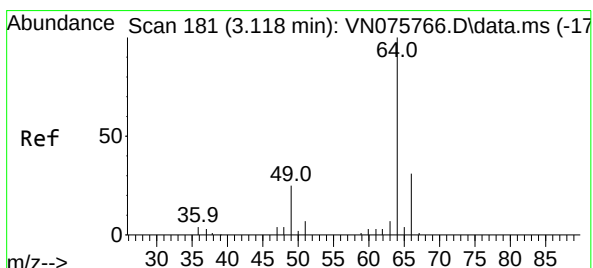
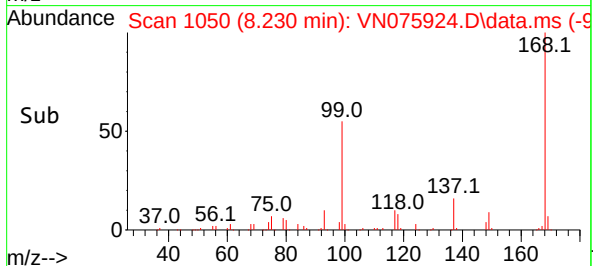
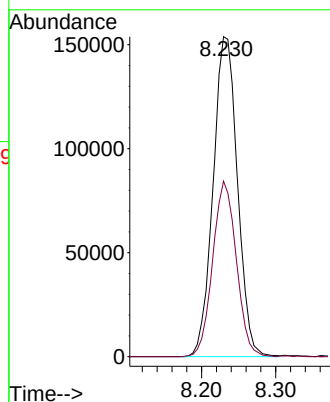
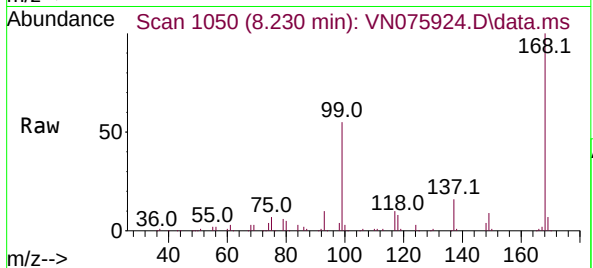




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN075924.D  
Acq: 21 Dec 2022 17:05

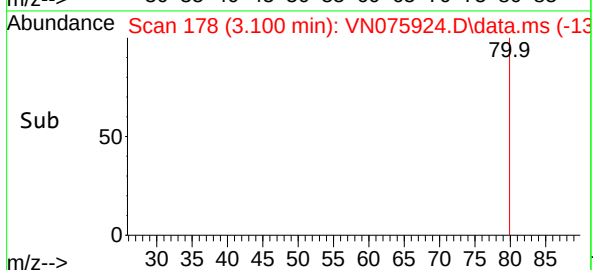
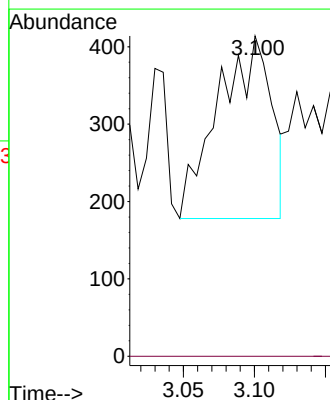
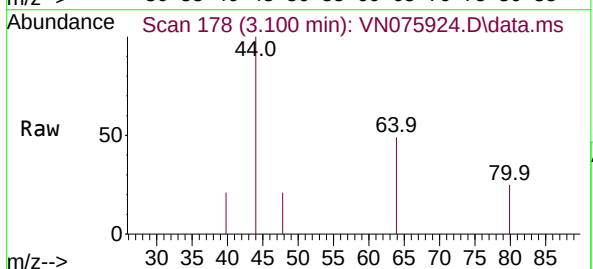
Instrument :  
MSVOA\_N  
ClientSampleId :  
AUD-1839

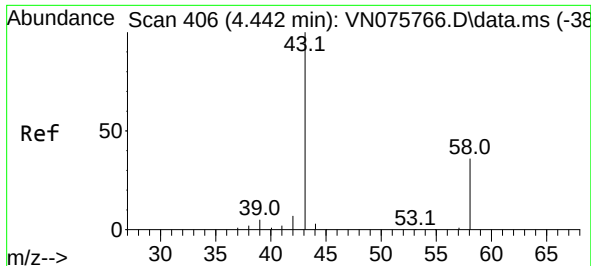
Tgt Ion:168 Resp: 350829  
Ion Ratio Lower Upper  
168 100  
99 54.9 44.2 66.4



#6  
Chloroethane  
Concen: 0.226 ug/l  
RT: 3.100 min Scan# 178  
Delta R.T. -0.018 min  
Lab File: VN075924.D  
Acq: 21 Dec 2022 17:05

Tgt Ion: 64 Resp: 618  
Ion Ratio Lower Upper  
64 100  
66 0.0 24.6 36.8#





#16

Acetone

Concen: 0.337 ug/l

RT: 4.453 min Scan# 406

Delta R.T. 0.012 min

Lab File: VN075924.D

Acq: 21 Dec 2022 17:05

Instrument :

MSVOA\_N

ClientSampleId :

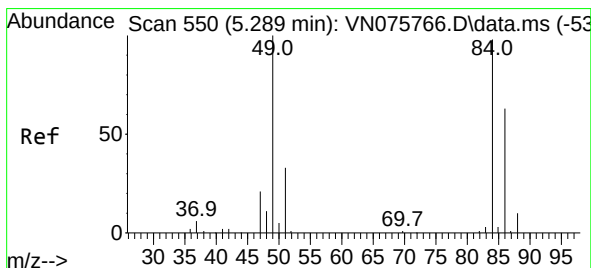
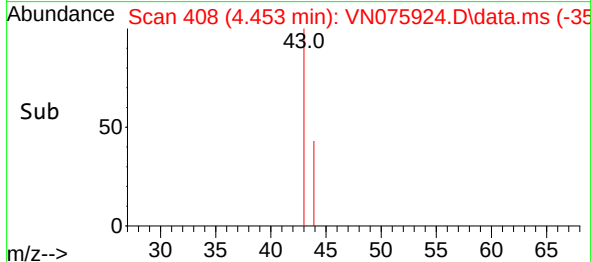
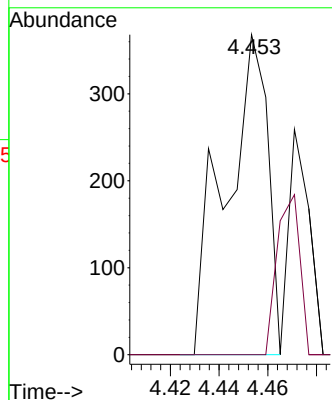
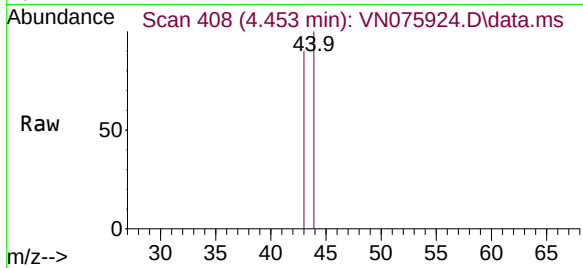
AUD-1839

Tgt Ion: 43 Resp: 444

Ion Ratio Lower Upper

43 100

58 0.0 28.6 43.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.294 min Scan# 551

Delta R.T. 0.005 min

Lab File: VN075924.D

Acq: 21 Dec 2022 17:05

Tgt Ion: 84 Resp: 1394

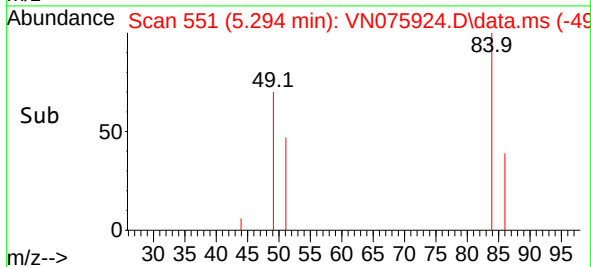
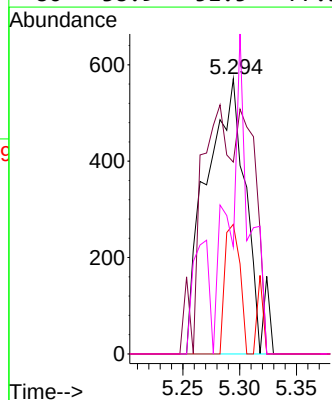
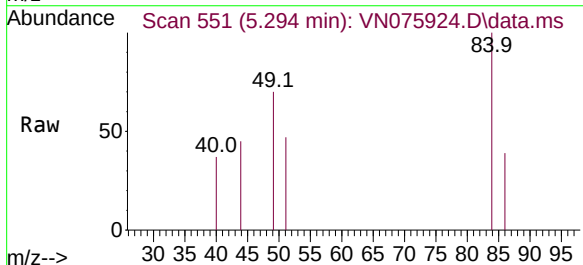
Ion Ratio Lower Upper

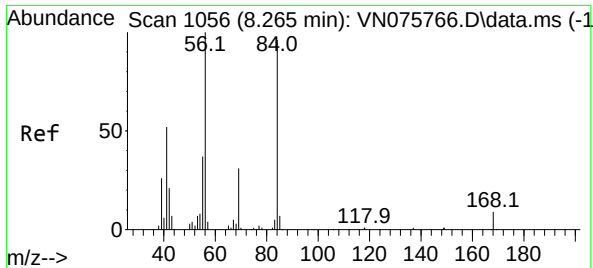
84 100

49 69.7 81.8 122.6#

51 47.1 26.7 40.1#

86 38.9 51.5 77.3#

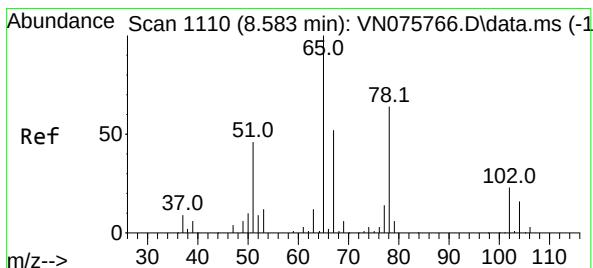
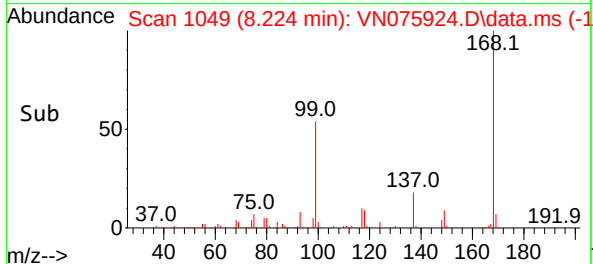
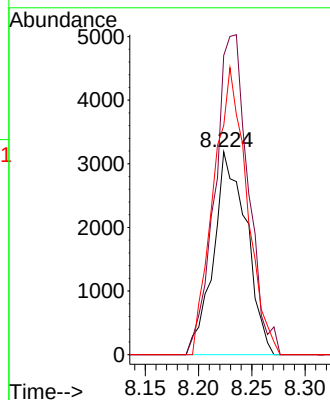
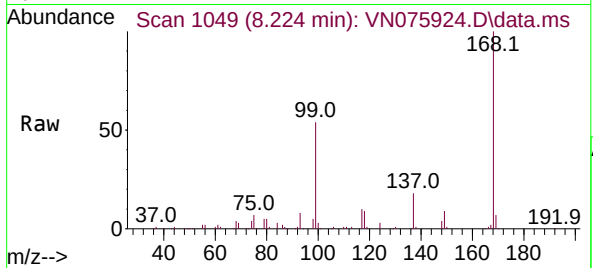




#31  
Cyclohexane  
Concen: 1.256 ug/l  
RT: 8.224 min Scan# 1049  
Delta R.T. -0.041 min  
Lab File: VN075924.D  
Acq: 21 Dec 2022 17:05

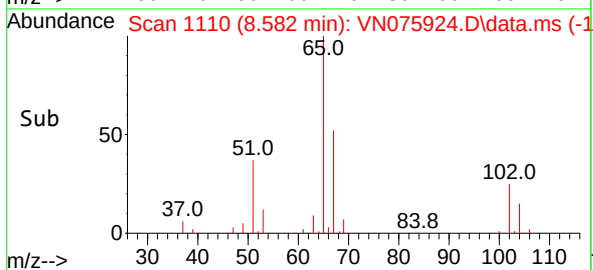
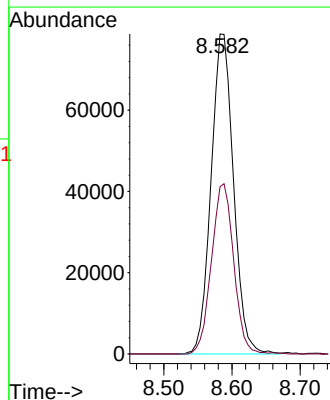
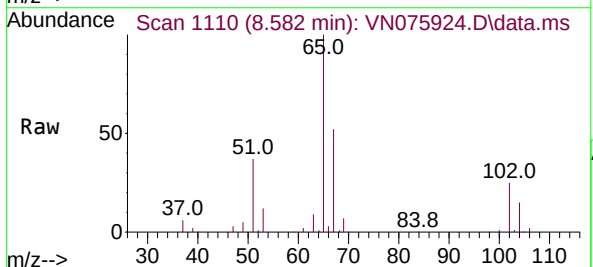
Instrument :  
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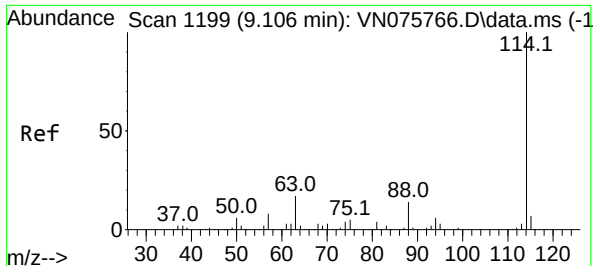
Tgt Ion: 56 Resp: 6868  
Ion Ratio Lower Upper  
56 100  
69 147.4 24.7 37.1#  
84 112.9 76.5 114.7



#33  
1,2-Dichloroethane-d4  
Concen: 47.232 ug/l  
RT: 8.582 min Scan# 1110  
Delta R.T. -0.000 min  
Lab File: VN075924.D  
Acq: 21 Dec 2022 17:05

Tgt Ion: 65 Resp: 180270  
Ion Ratio Lower Upper  
65 100  
67 52.8 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: VN075924.D

Acq: 21 Dec 2022 17:05

Instrument :

MSVOA\_N

ClientSampleId :

AUD-1839

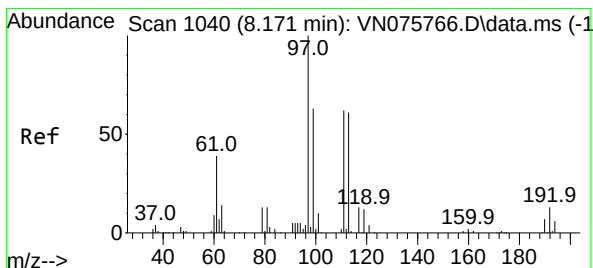
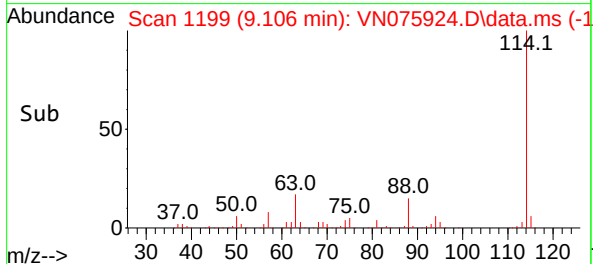
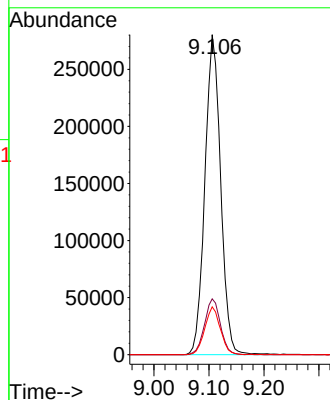
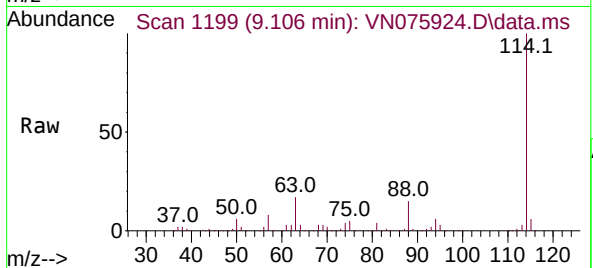
Tgt Ion:114 Resp: 557848

Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.4

88 15.0 0.0 28.8



#35

Dibromofluoromethane

Concen: 47.403 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075924.D

Acq: 21 Dec 2022 17:05

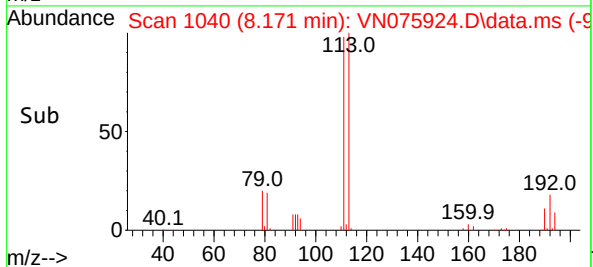
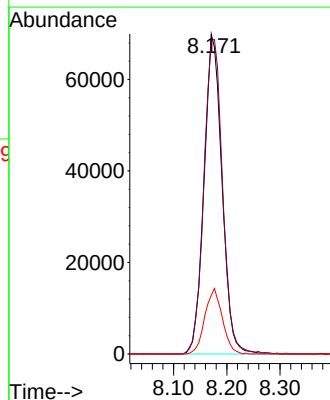
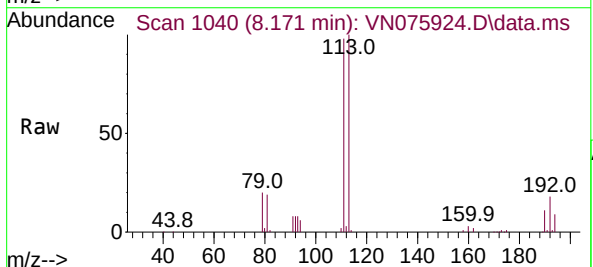
Tgt Ion:113 Resp: 163763

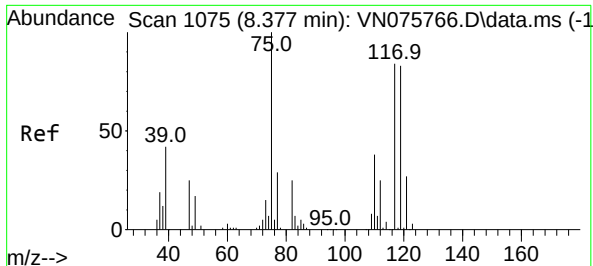
Ion Ratio Lower Upper

113 100

111 102.3 83.4 125.2

192 19.9 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.502 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075924.D

Acq: 21 Dec 2022 17:05

Instrument :

MSVOA\_N

ClientSampleId :

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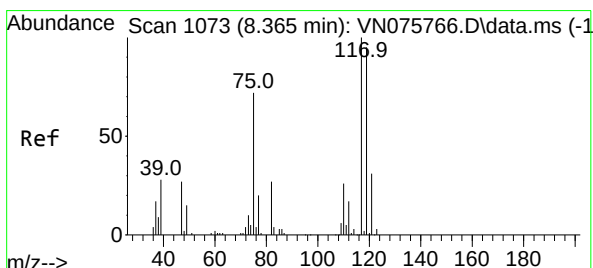
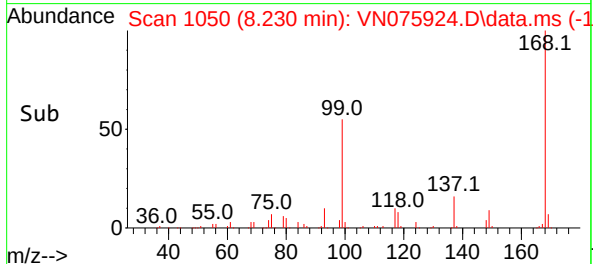
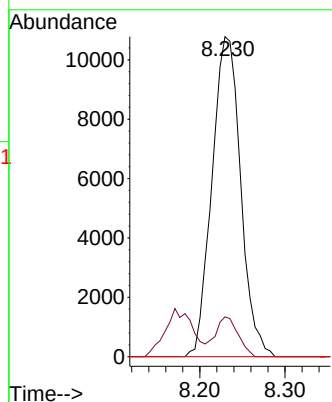
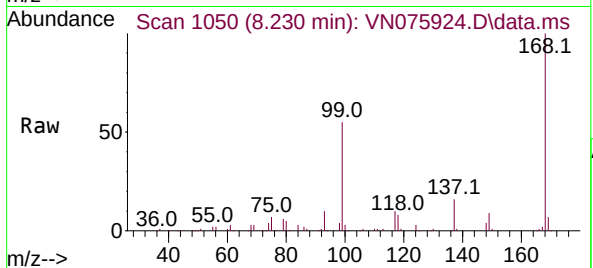
Tgt Ion: 75 Resp: 25249

Ion Ratio Lower Upper

75 100

110 9.9 18.8 56.4#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.800 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.129 min

Lab File: VN075924.D

Acq: 21 Dec 2022 17:05

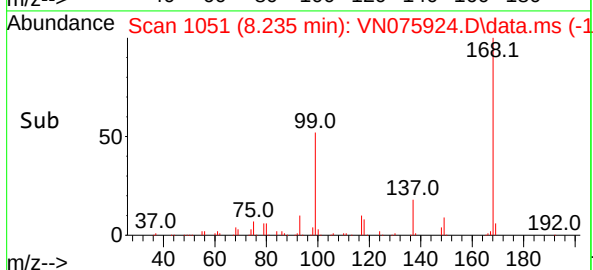
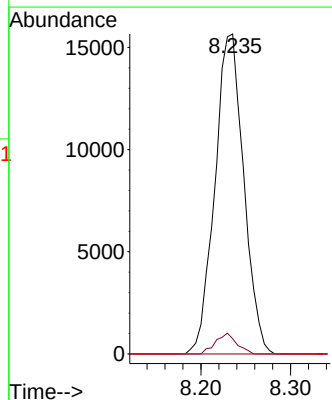
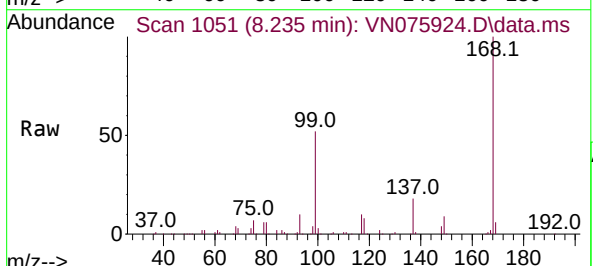
Tgt Ion: 117 Resp: 34926

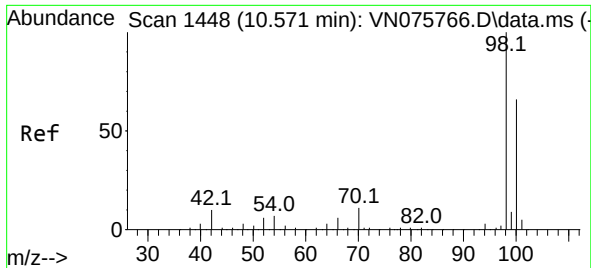
Ion Ratio Lower Upper

117 100

119 4.8 76.1 114.1#

121 0.0 24.5 36.7#

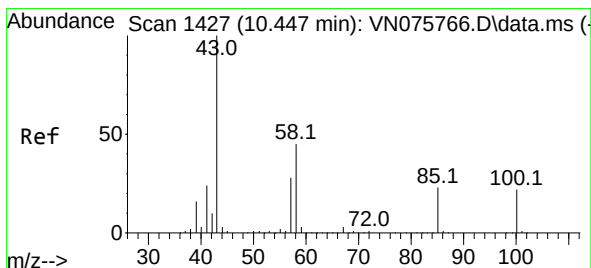
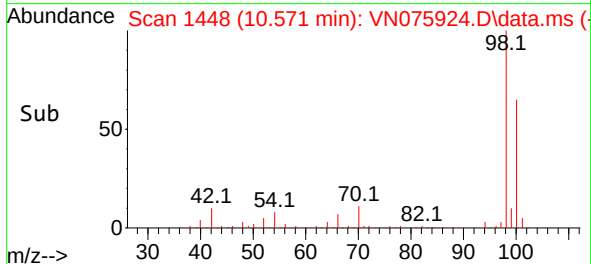
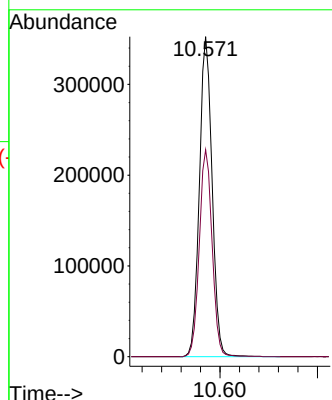
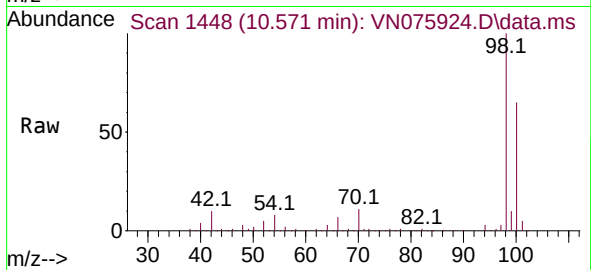




#50  
Toluene-d8  
Concen: 49.429 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: VN075924.D  
Acq: 21 Dec 2022 17:05

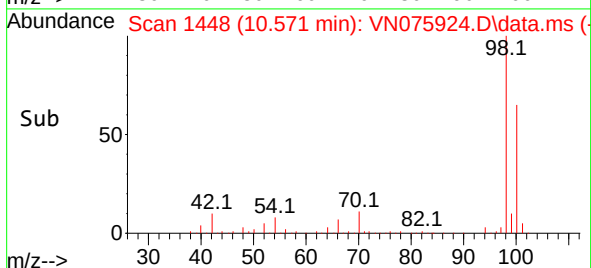
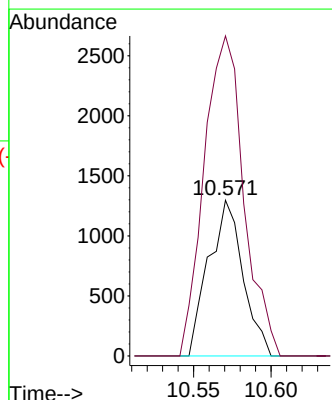
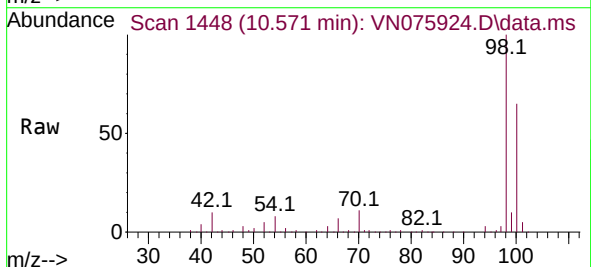
Instrument :  
MSVOA\_N  
ClientSampleId :  
AUD-1839

Tgt Ion: 98 Resp: 638459  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.1 78.1

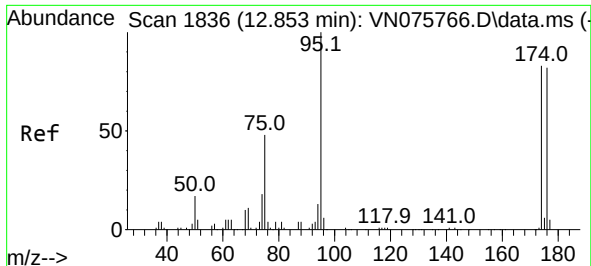


#51  
4-Methyl-2-Pentanone  
Concen: 0.543 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. 0.123 min  
Lab File: VN075924.D  
Acq: 21 Dec 2022 17:05

Tgt Ion: 43 Resp: 1995  
Ion Ratio Lower Upper  
43 100  
58 238.3 35.5 53.3#



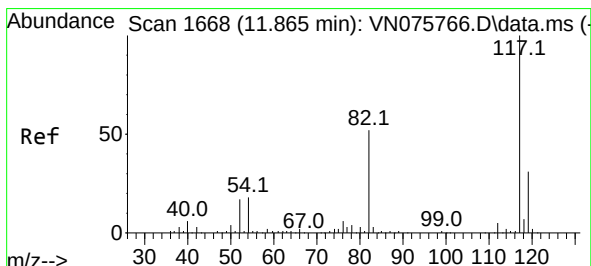
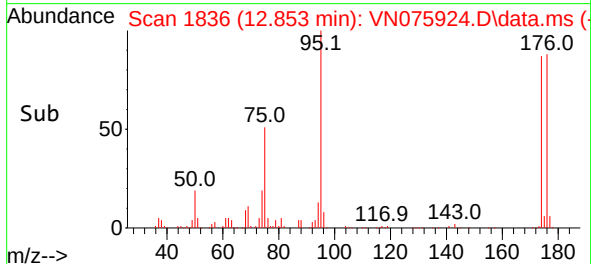
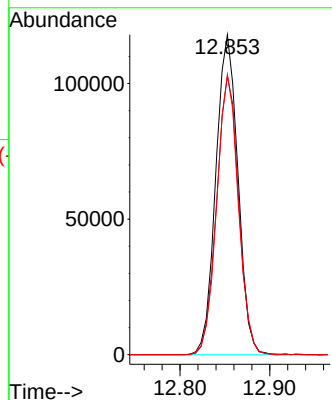
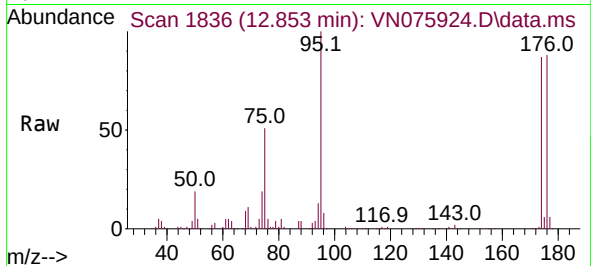




#62  
4-Bromofluorobenzene  
Concen: 47.108 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. -0.000 min  
Lab File: VN075924.D  
Acq: 21 Dec 2022 17:05

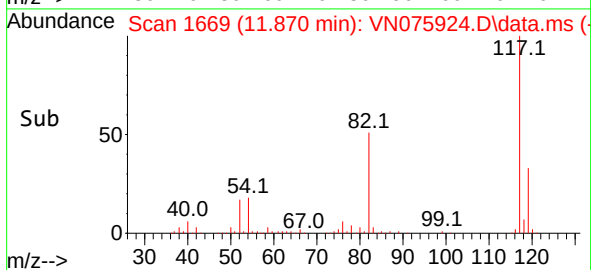
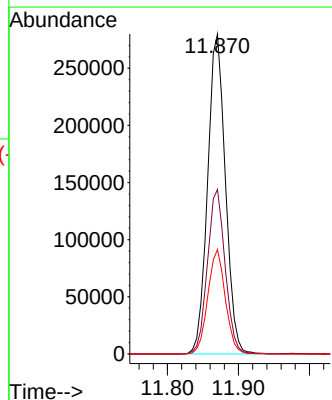
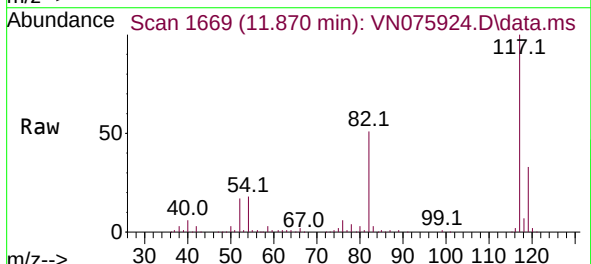
Instrument :  
MSVOA\_N  
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AUD-1839

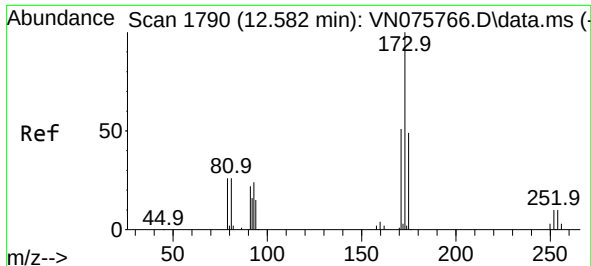
Tgt Ion: 95 Resp: 201535  
Ion Ratio Lower Upper  
95 100  
174 86.8 0.0 171.6  
176 85.3 0.0 169.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 1669  
Delta R.T. 0.006 min  
Lab File: VN075924.D  
Acq: 21 Dec 2022 17:05

Tgt Ion: 117 Resp: 487709  
Ion Ratio Lower Upper  
117 100  
82 51.5 41.3 61.9  
119 32.7 24.6 37.0

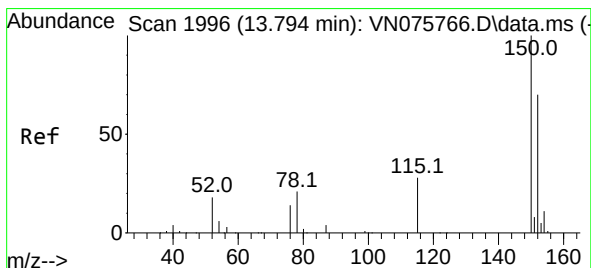
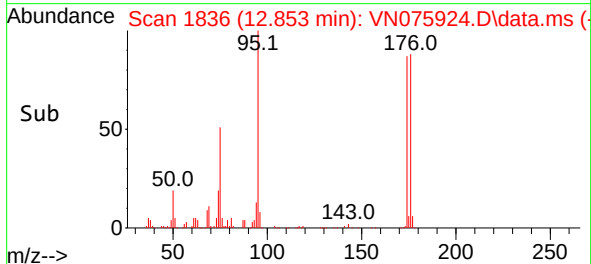
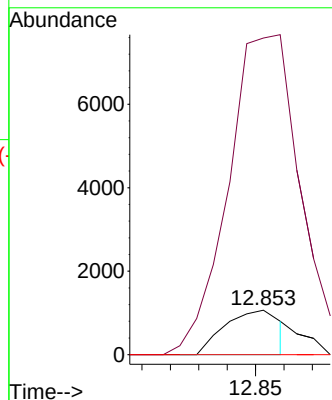
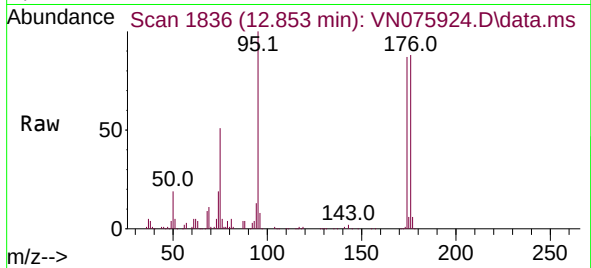




#71  
Bromoform  
Concen: 0.537 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.270 min  
Lab File: VN075924.D  
Acq: 21 Dec 2022 17:05

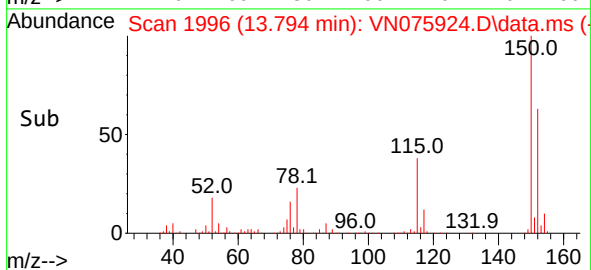
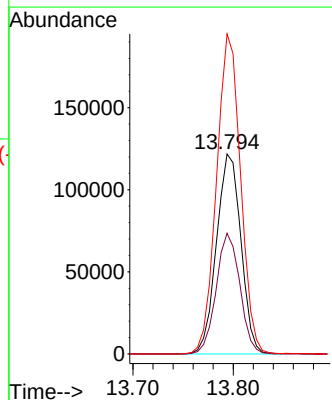
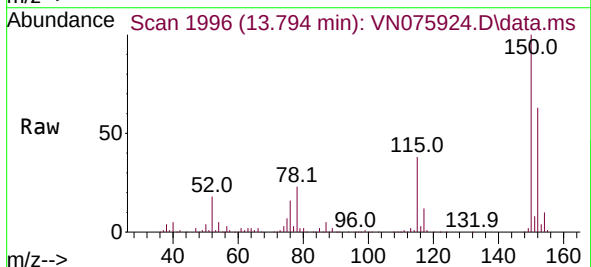
Instrument :  
MSVOA\_N  
ClientSampleId :  
AUD-1839

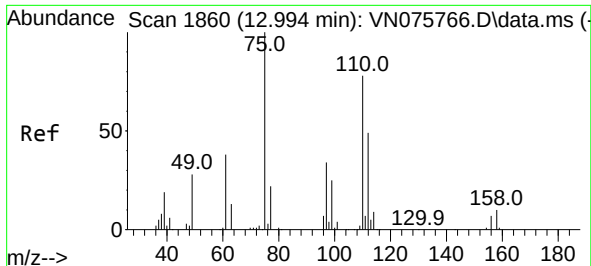
Tgt Ion:173 Resp: 1449  
Ion Ratio Lower Upper  
173 100  
175 0.0 24.3 72.8#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. -0.000 min  
Lab File: VN075924.D  
Acq: 21 Dec 2022 17:05

Tgt Ion:152 Resp: 206109  
Ion Ratio Lower Upper  
152 100  
115 58.5 29.1 87.4  
150 157.6 0.0 347.0

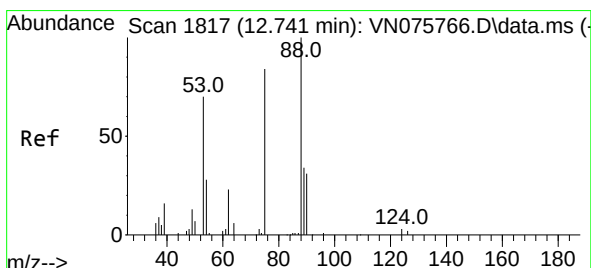
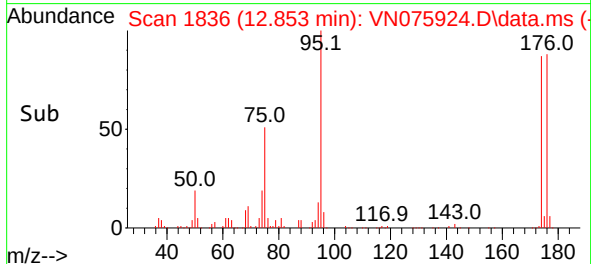
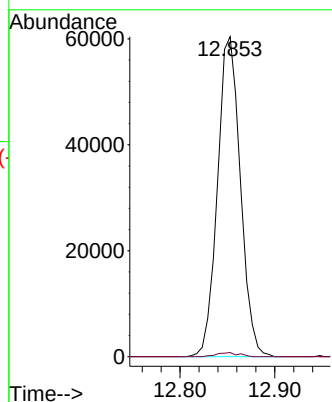
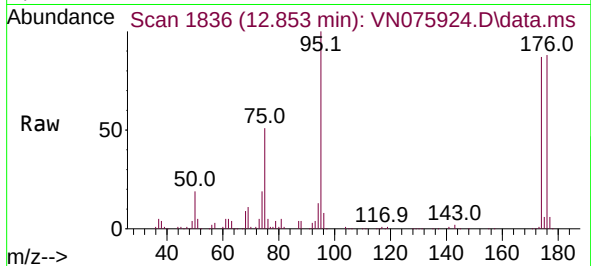




#76  
1,2,3-Trichloropropane  
Concen: 24.432 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. -0.141 min  
Lab File: VN075924.D  
Acq: 21 Dec 2022 17:05

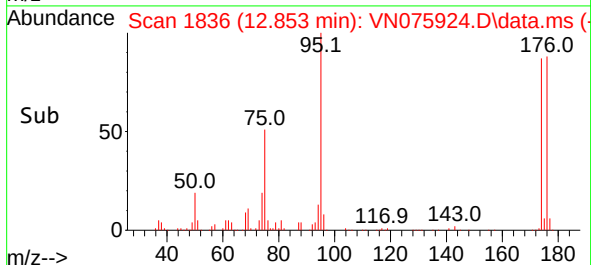
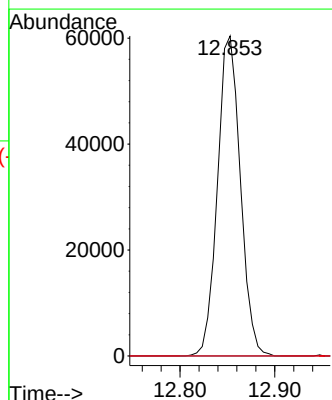
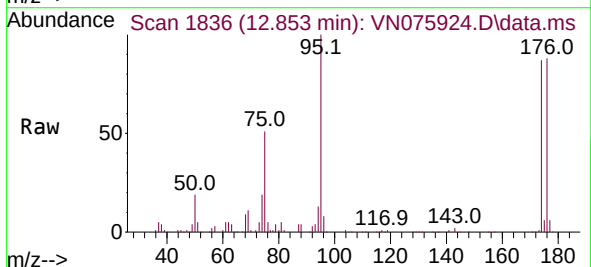
Instrument :  
MSVOA\_N  
ClientSampleId :  
AUD-1839

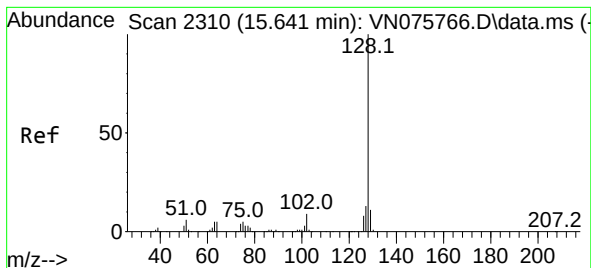
Tgt Ion: 75 Resp: 101505  
Ion Ratio Lower Upper  
75 100  
77 1.2 82.6 247.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 87.942 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.112 min  
Lab File: VN075924.D  
Acq: 21 Dec 2022 17:05

Tgt Ion: 75 Resp: 101505  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.8 110.6#  
89 0.0 39.5 59.3#





#95

Naphthalene

Concen: 2.196 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN075924.D

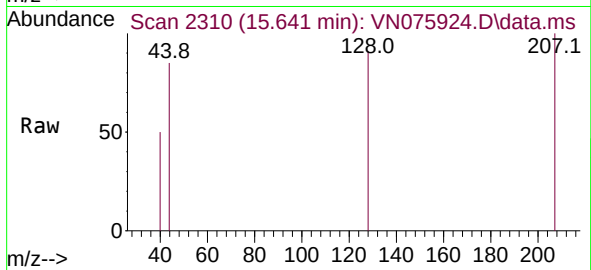
Acq: 21 Dec 2022 17:05

Instrument :

MSVOA\_N

ClientSampleId :

AUD-1839



Tgt Ion:128 Resp: 215

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#

