

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU060322\  
 Data File : VU048857.D  
 Acq On : 03 Jun 2022 15:06  
 Operator : SY/MD  
 Sample : N3103-04  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 STORAGE-BLANK-SAMPLE-MANAG

Quant Time: Jun 04 04:37:31 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 27 06:42:31 2022  
 Response via : Initial Calibration

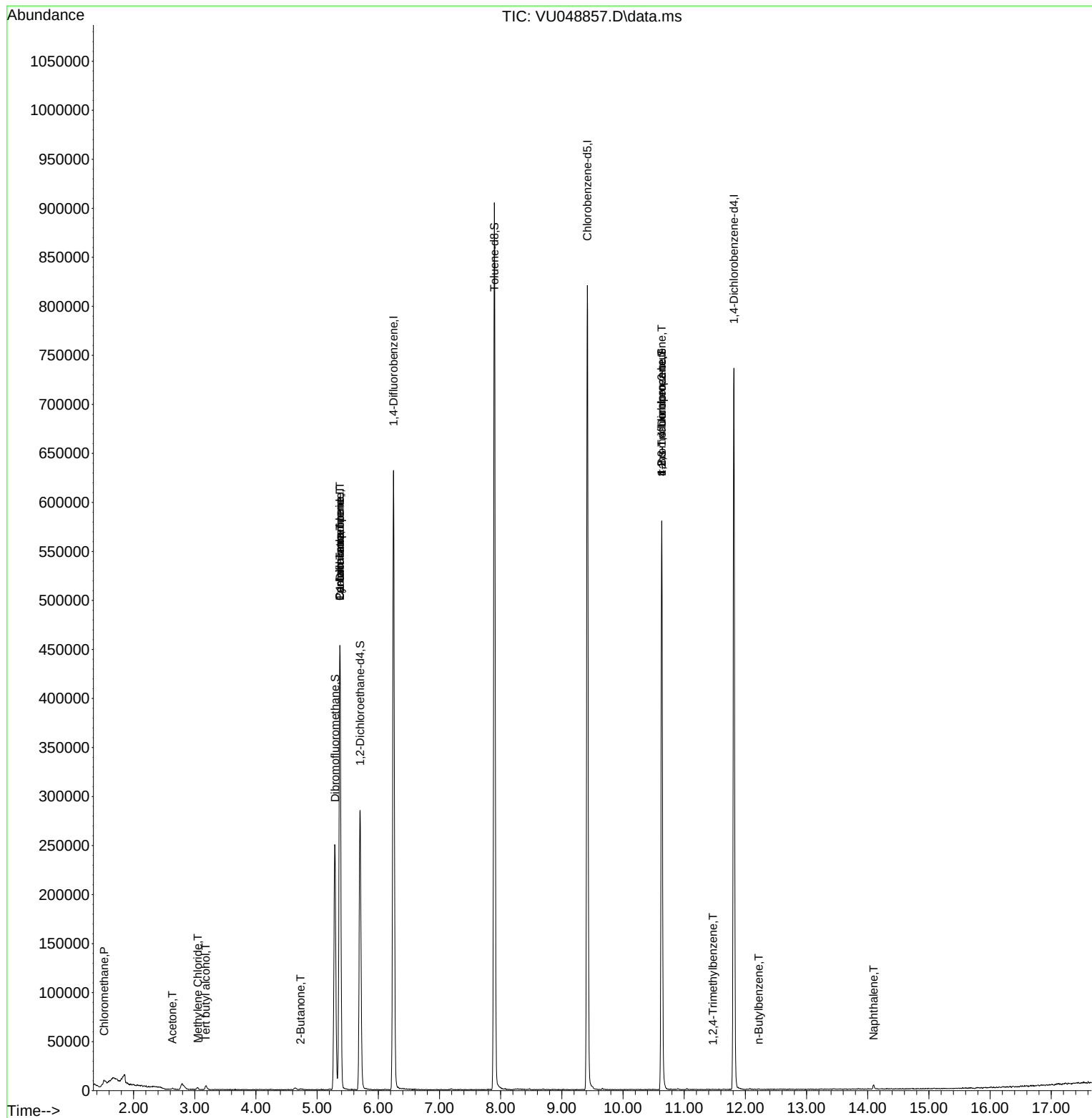
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.372  | 168   | 306354   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.250  | 114   | 497006   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 9.417  | 117   | 446368   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 192376   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.703  | 65    | 222446   | 48.349    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 96.700%  |
| 35) Dibromofluoromethane      | 5.292  | 113   | 163884   | 46.220    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 92.440%  |
| 50) Toluene-d8                | 7.896  | 98    | 596720   | 46.948    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 93.900%  |
| 62) 4-Bromofluorobenzene      | 10.632 | 95    | 197444   | 41.075    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 82.160%# |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 1.520  | 50    | 1035     | 0.229     | ug/l   | 99       |
| 5) Bromomethane               | 1.851  | 94    | 404      | Below Cal | #      | 66       |
| 6) Chloroethane               | 1.967  | 64    | 377      | Below Cal |        | 100      |
| 11) Tert butyl alcohol        | 3.179  | 59    | 2469     | 2.117     | ug/l # | 28       |
| 16) Acetone                   | 2.633  | 43    | 1103     | 0.470     | ug/l # | 68       |
| 20) Methylene Chloride        | 3.047  | 84    | 893      | 0.224     | ug/l # | 75       |
| 25) 2-Butanone                | 4.729  | 43    | 1294     | 0.384     | ug/l # | 86       |
| 31) Cyclohexane               | 5.372  | 56    | 6743     | 1.163     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.372  | 75    | 25330    | 4.895     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.372  | 117   | 30824    | 5.192     | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 10.632 | 75    | 100755   | 16.244    | ug/l # | 48       |
| 81) trans-1,4-Dichloro-2-b... | 10.632 | 75    | 100755   | 58.979    | ug/l # | 13       |
| 84) 1,2,4-Trimethylbenzene    | 11.472 | 105   | 236      | 1.207     | ug/l # | 31       |
| 89) n-Butylbenzene            | 12.217 | 91    | 266      | 2.208     | ug/l # | 61       |
| 95) Naphthalene               | 14.098 | 128   | 4928     | 2.842     | ug/l # | 91       |
| -----                         |        |       |          |           |        |          |

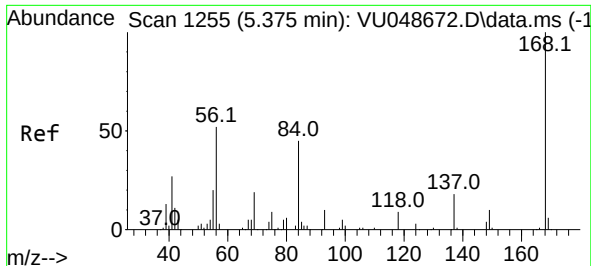
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU060322\  
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ALS Vial : 12 Sample Multiplier: 1

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Quant Title : SW846 8260  
QLast Update : Fri May 27 06:42:31 2022  
Response via : Initial Calibration

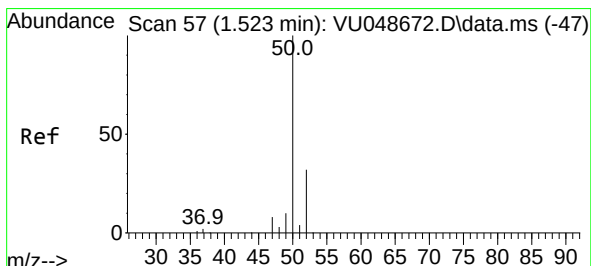
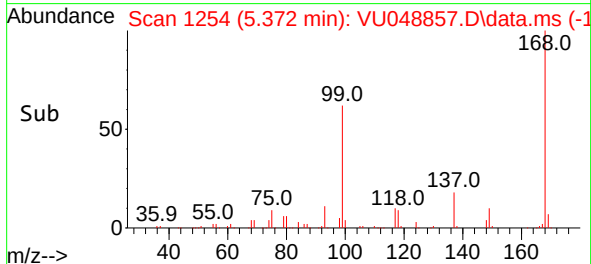
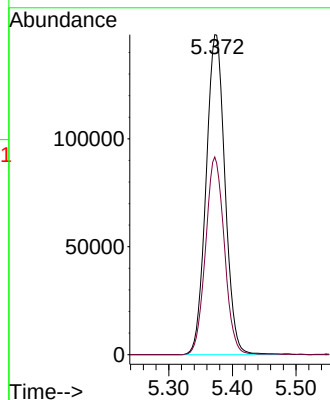
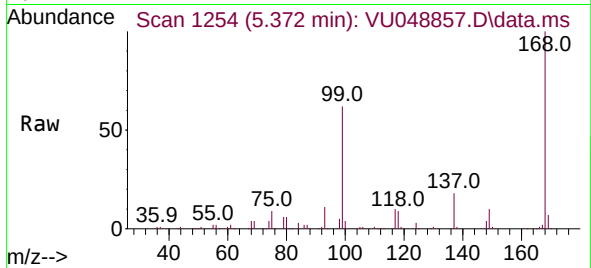




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.372 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU048857.D  
Acq: 03 Jun 2022 15:06

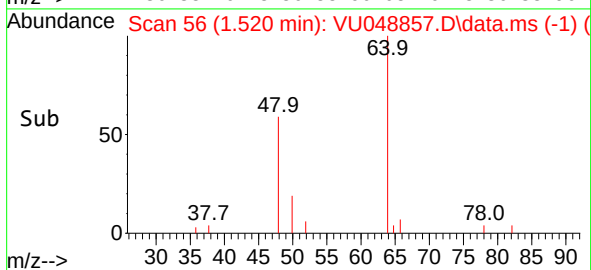
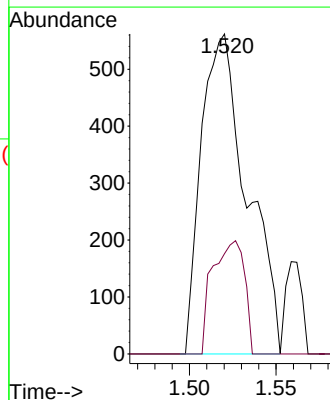
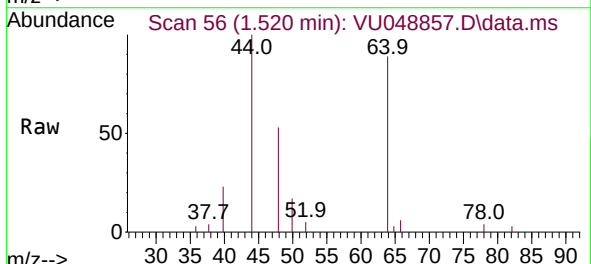
Instrument :  
MSVOA\_U  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANAG

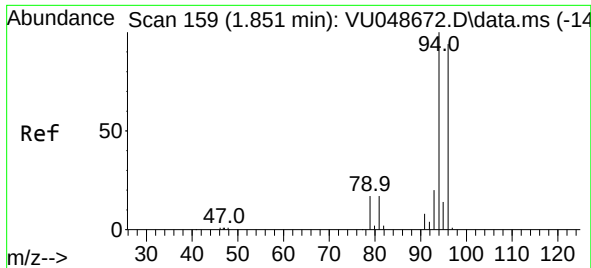
Tgt Ion:168 Resp: 306354  
Ion Ratio Lower Upper  
168 100  
99 61.8 49.3 73.9



#3  
Chloromethane  
Concen: 0.229 ug/l  
RT: 1.520 min Scan# 56  
Delta R.T. -0.003 min  
Lab File: VU048857.D  
Acq: 03 Jun 2022 15:06

Tgt Ion: 50 Resp: 1035  
Ion Ratio Lower Upper  
50 100  
52 31.3 25.7 38.5

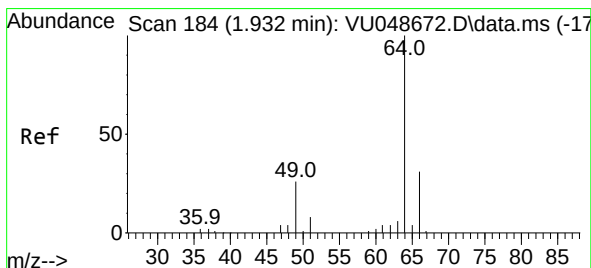
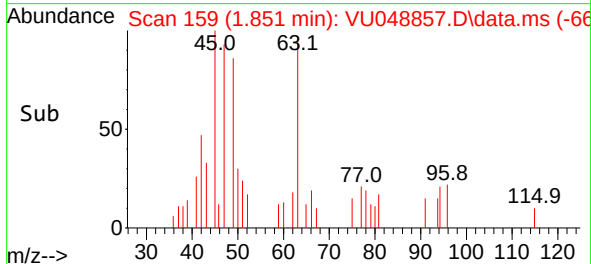
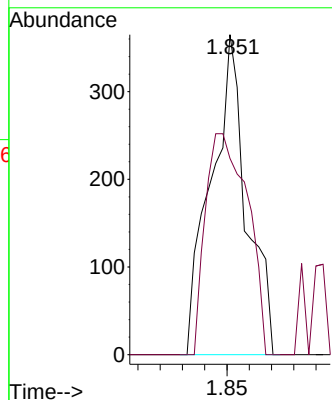
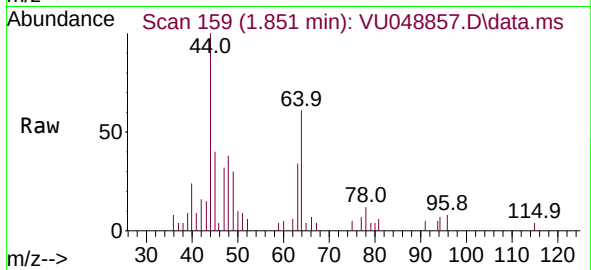




#5  
Bromomethane  
Concen: Below Cal  
RT: 1.851 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU048857.D  
Acq: 03 Jun 2022 15:06

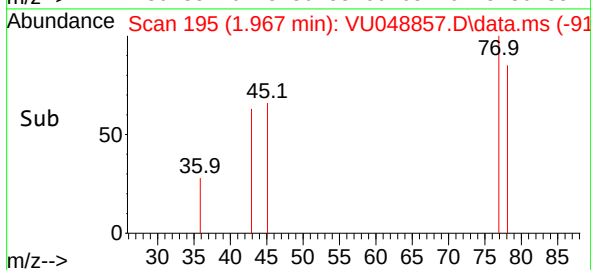
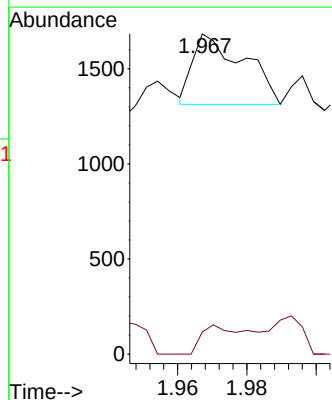
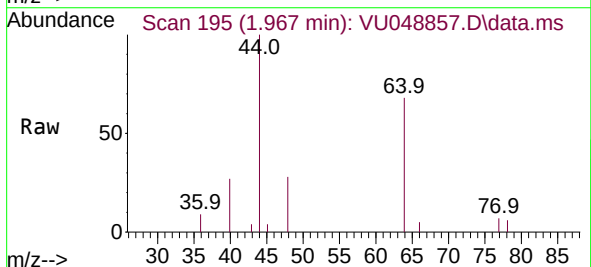
Instrument :  
MSVOA\_U  
ClientSampleId :  
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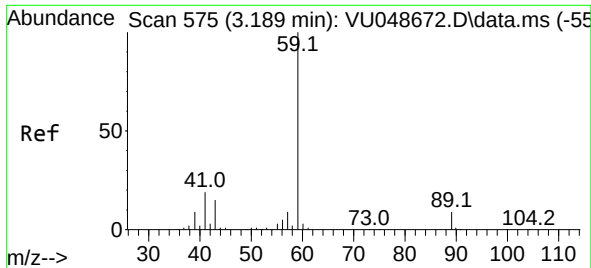
Tgt Ion: 94 Resp: 404  
Ion Ratio Lower Upper  
94 100  
96 61.4 75.1 112.7#



#6  
Chloroethane  
Concen: Below Cal  
RT: 1.967 min Scan# 195  
Delta R.T. 0.035 min  
Lab File: VU048857.D  
Acq: 03 Jun 2022 15:06

Tgt Ion: 64 Resp: 377  
Ion Ratio Lower Upper  
64 100  
66 31.4 25.2 37.8

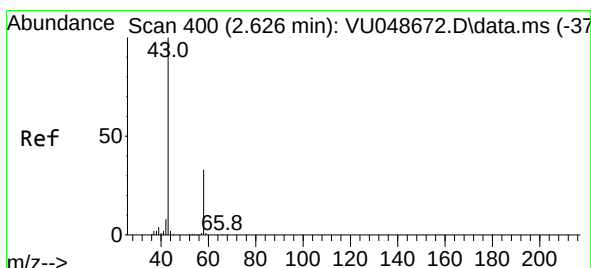
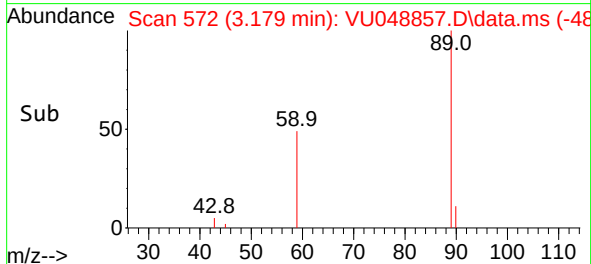
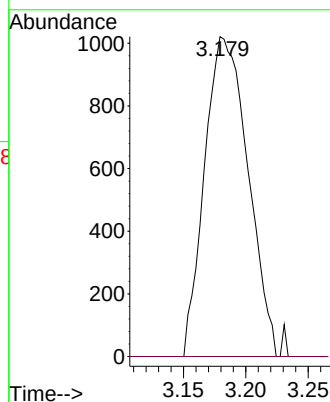
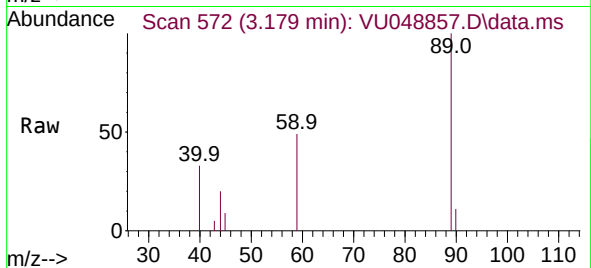




#11  
Tert butyl alcohol  
Concen: 2.117 ug/l  
RT: 3.179 min Scan# 51  
Delta R.T. -0.010 min  
Lab File: VU048857.D  
Acq: 03 Jun 2022 15:06

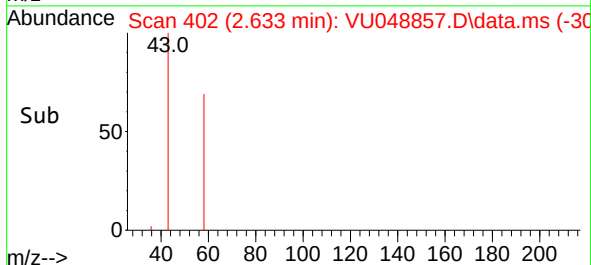
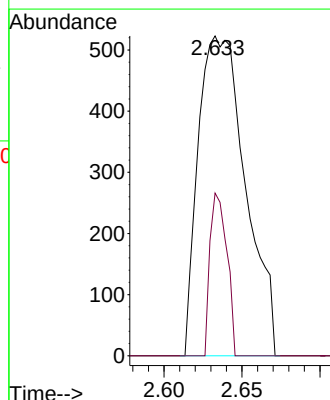
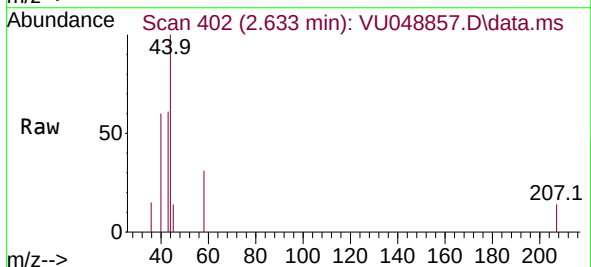
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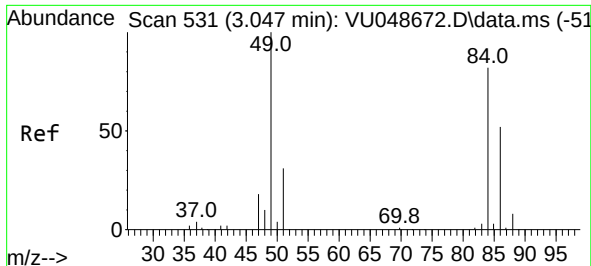
Tgt Ion: 59 Resp: 2469  
Ion Ratio Lower Upper  
59 100  
57 0.0 39.7 59.5#



#16  
Acetone  
Concen: 0.470 ug/l  
RT: 2.633 min Scan# 402  
Delta R.T. 0.006 min  
Lab File: VU048857.D  
Acq: 03 Jun 2022 15:06

Tgt Ion: 43 Resp: 1103  
Ion Ratio Lower Upper  
43 100  
58 50.9 26.3 39.5#

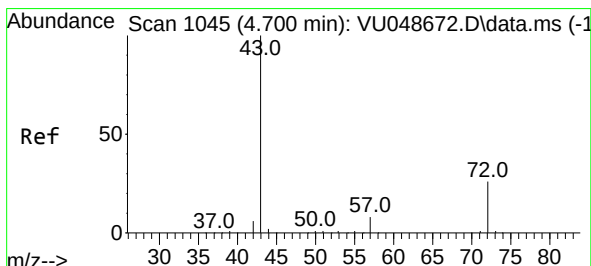
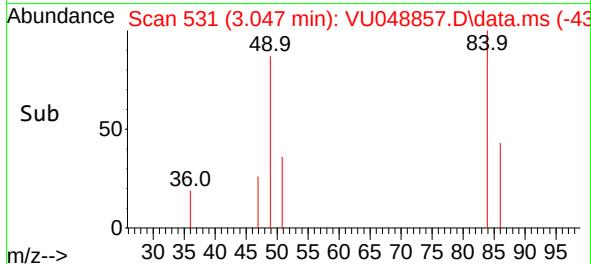
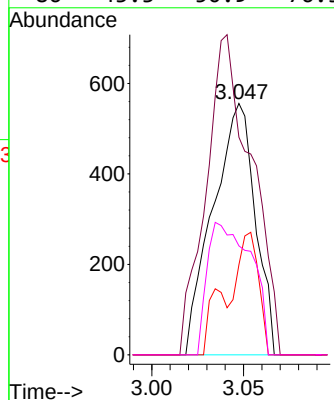
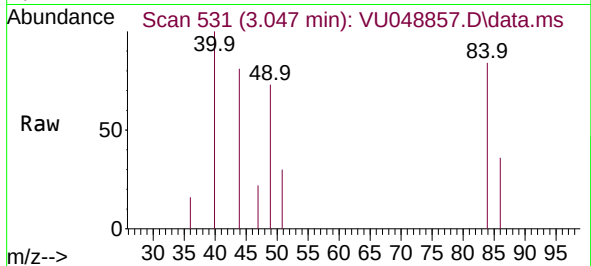




#20  
Methylene Chloride  
Concen: 0.224 ug/l  
RT: 3.047 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VU048857.D  
Acq: 03 Jun 2022 15:06

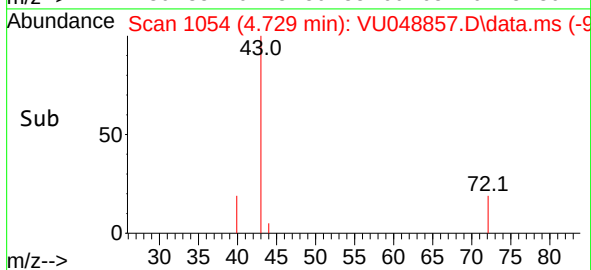
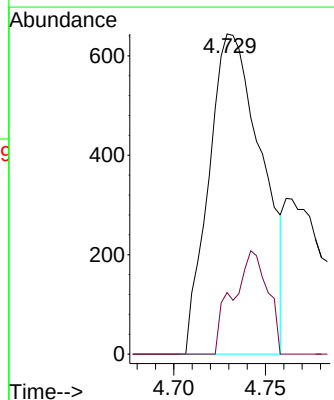
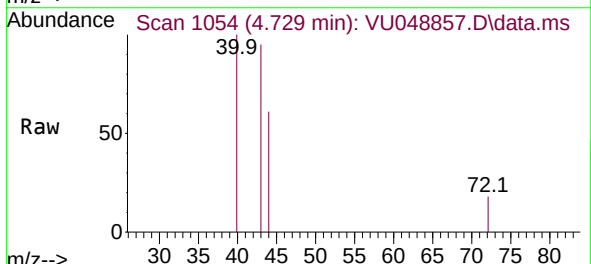
Instrument :  
MSVOA\_U  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANAG

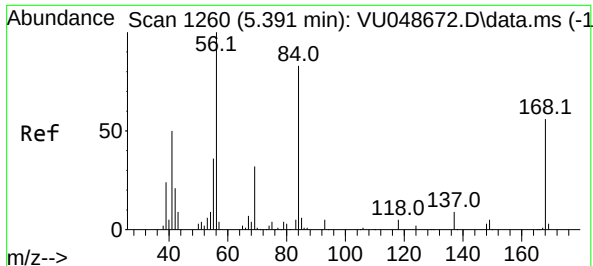
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 893    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 86.5  | 97.0  | 145.4# |
| 51       | 35.8  | 29.8  | 44.8   |
| 86       | 43.3  | 50.9  | 76.3#  |



#25  
2-Butanone  
Concen: 0.384 ug/l  
RT: 4.729 min Scan# 1054  
Delta R.T. 0.029 min  
Lab File: VU048857.D  
Acq: 03 Jun 2022 15:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 1294  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 19.3  | 21.1  | 31.7# |





#31

Cyclohexane

Concen: 1.163 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.019 min

Lab File: VU048857.D

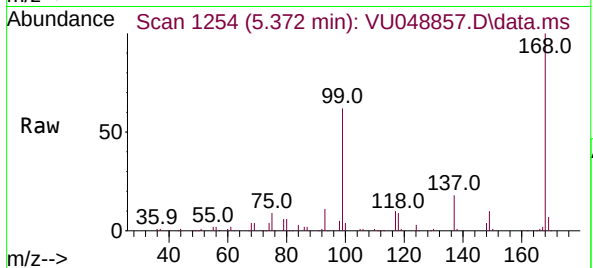
Acq: 03 Jun 2022 15:06

Instrument :

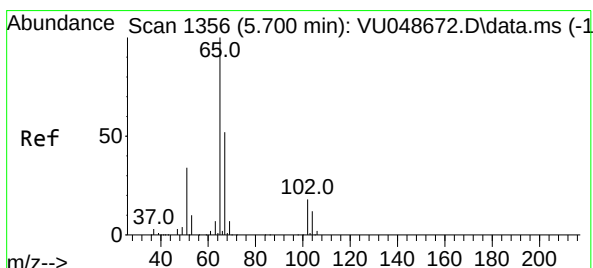
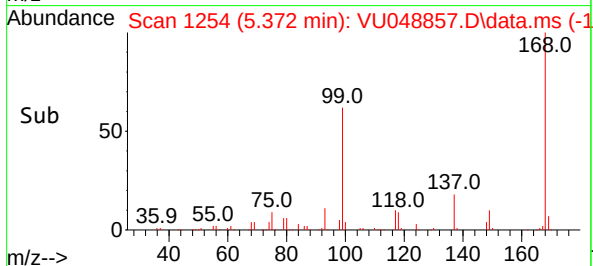
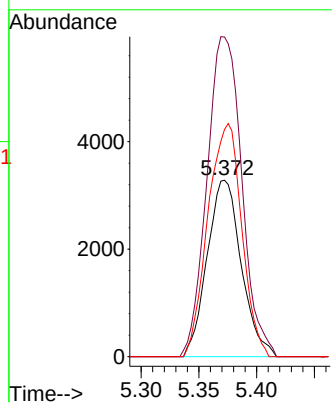
MSVOA\_U

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAG



|             |                  |
|-------------|------------------|
| Tgt Ion: 56 | Resp: 6743       |
| Ion Ratio   | Lower Upper      |
| 56          | 100              |
| 69          | 181.1 25.6 38.4# |
| 84          | 128.7 66.2 99.4# |



#33

1,2-Dichloroethane-d4

Concen: 48.349 ug/l

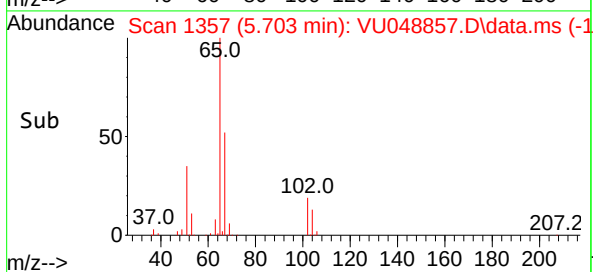
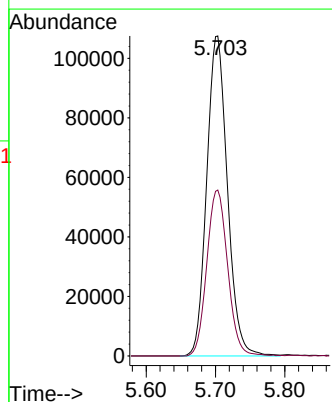
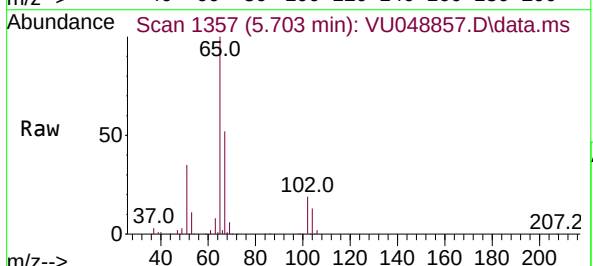
RT: 5.703 min Scan# 1357

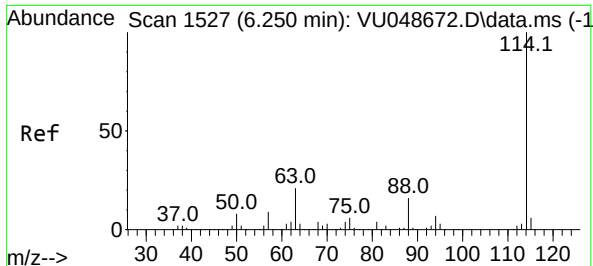
Delta R.T. 0.003 min

Lab File: VU048857.D

Acq: 03 Jun 2022 15:06

|             |                |
|-------------|----------------|
| Tgt Ion: 65 | Resp: 222446   |
| Ion Ratio   | Lower Upper    |
| 65          | 100            |
| 67          | 52.4 0.0 103.0 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU048857.D

Acq: 03 Jun 2022 15:06

Instrument :

MSVOA\_U

ClientSampleId :

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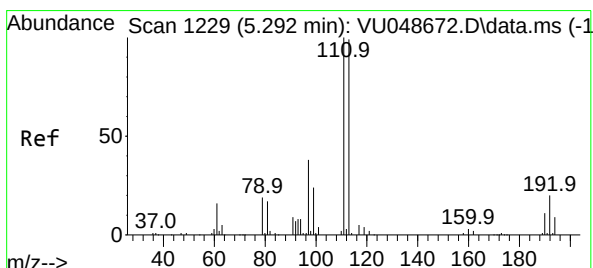
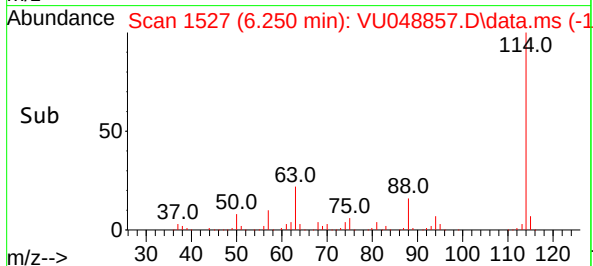
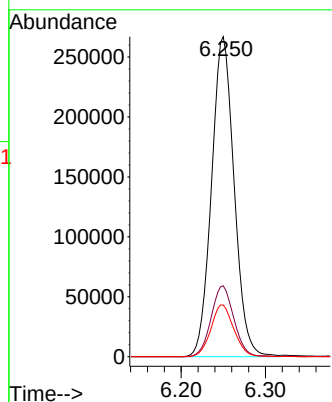
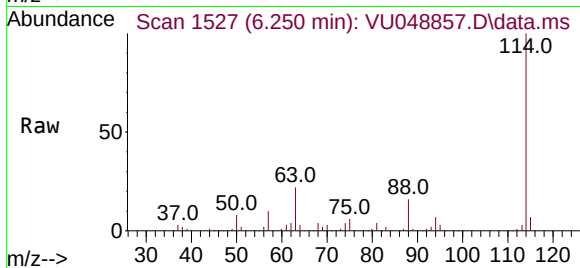
Tgt Ion:114 Resp: 497006

Ion Ratio Lower Upper

114 100

63 22.2 0.0 42.6

88 16.1 0.0 32.2



#35

Dibromofluoromethane

Concen: 46.220 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. 0.000 min

Lab File: VU048857.D

Acq: 03 Jun 2022 15:06

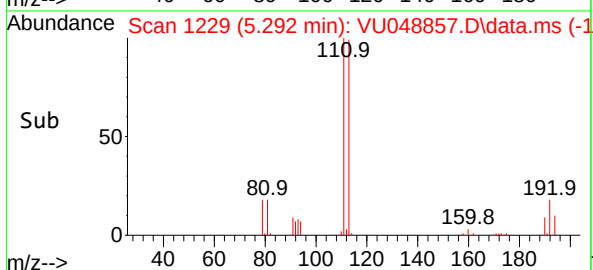
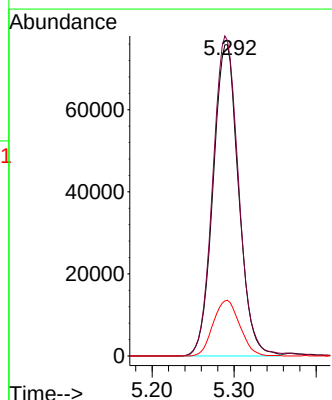
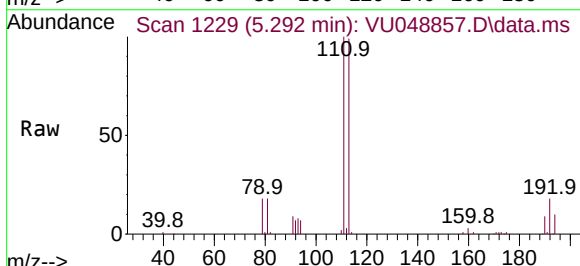
Tgt Ion:113 Resp: 163884

Ion Ratio Lower Upper

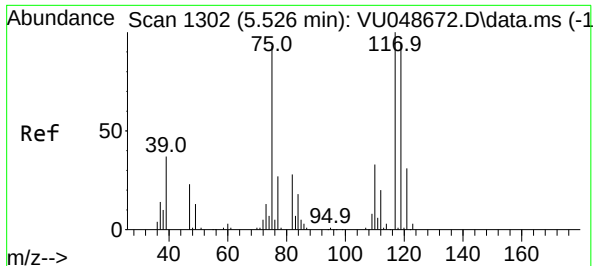
113 100

111 103.7 80.7 121.1

192 18.6 15.9 23.9







#36

1,1-Dichloropropene

Concen: 4.895 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU048857.D

Acq: 03 Jun 2022 15:06

Instrument :

MSVOA\_U

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAG

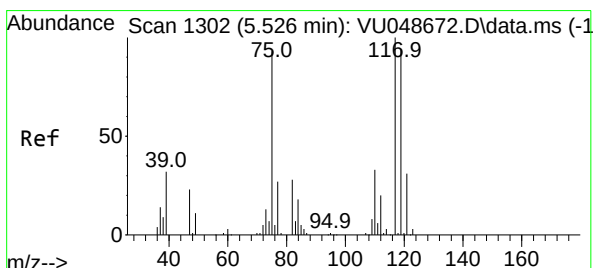
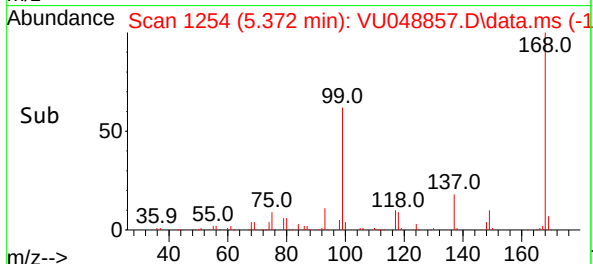
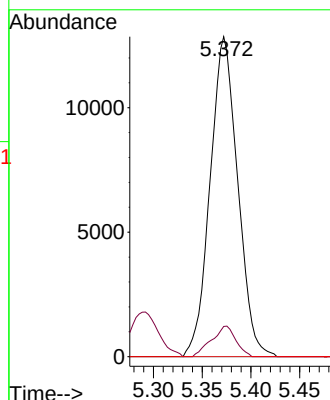
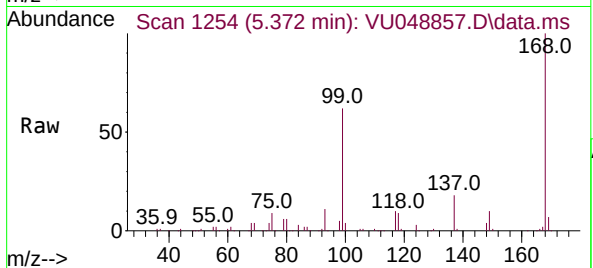
Tgt Ion: 75 Resp: 25330

Ion Ratio Lower Upper

75 100

110 8.4 17.4 52.3#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.192 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048857.D

Acq: 03 Jun 2022 15:06

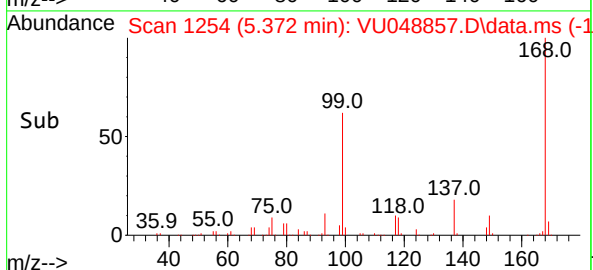
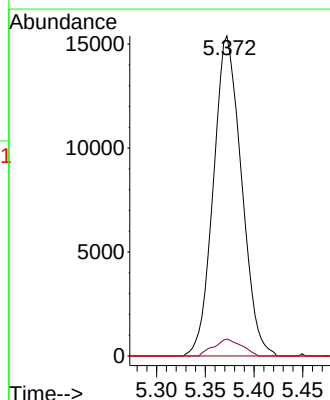
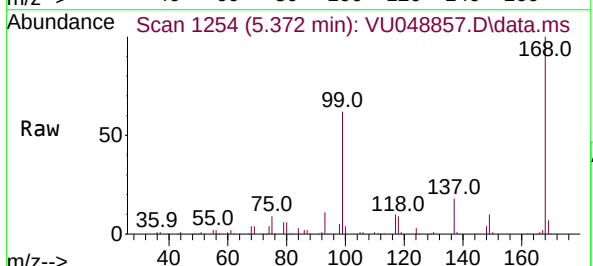
Tgt Ion: 117 Resp: 30824

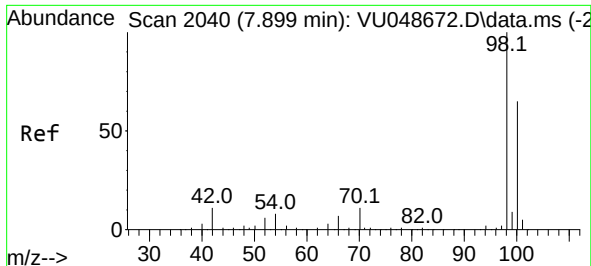
Ion Ratio Lower Upper

117 100

119 5.2 75.4 113.2#

121 0.0 24.6 36.8#

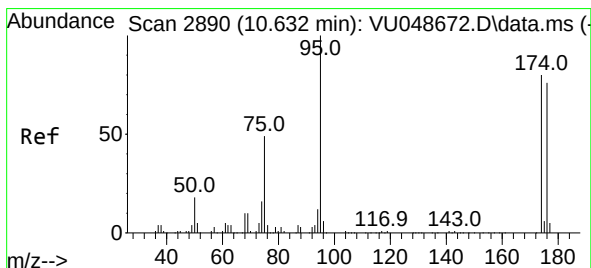
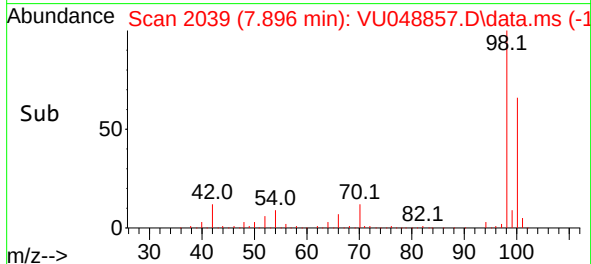
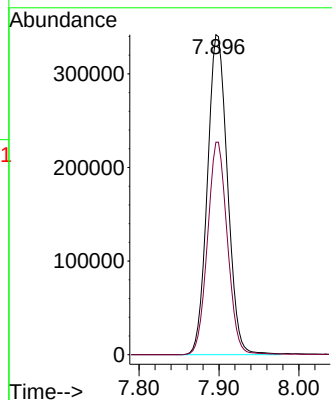
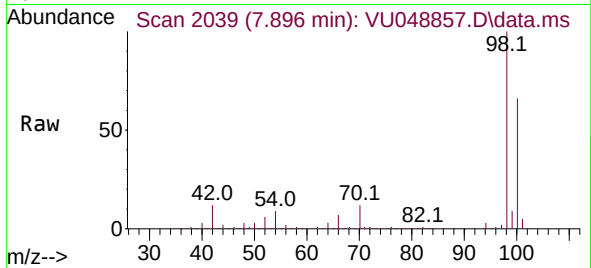




#50  
Toluene-d8  
Concen: 46.948 ug/l  
RT: 7.896 min Scan# 2040  
Delta R.T. -0.003 min  
Lab File: VU048857.D  
Acq: 03 Jun 2022 15:06

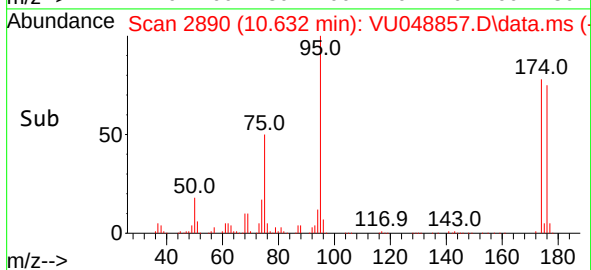
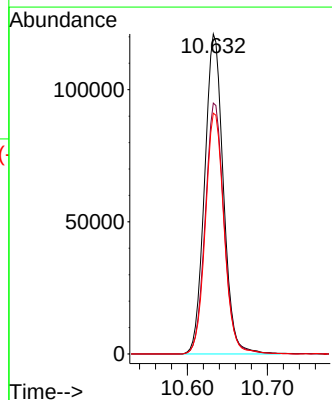
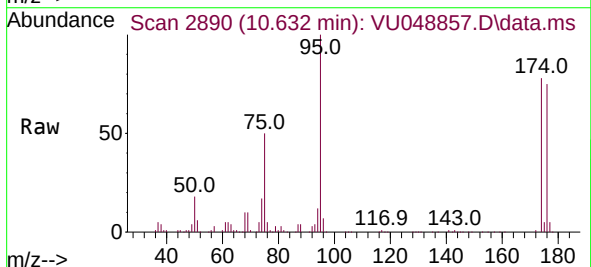
Instrument :  
MSVOA\_U  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANAG

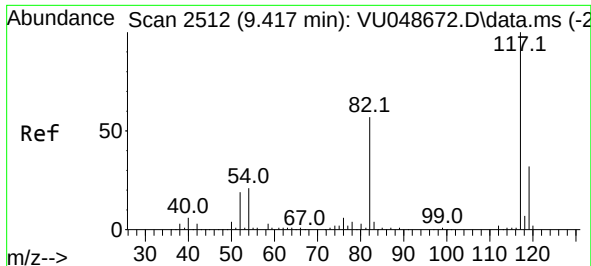
Tgt Ion: 98 Resp: 596720  
Ion Ratio Lower Upper  
98 100  
100 65.8 52.2 78.4



#62  
4-Bromofluorobenzene  
Concen: 41.075 ug/l  
RT: 10.632 min Scan# 2890  
Delta R.T. 0.000 min  
Lab File: VU048857.D  
Acq: 03 Jun 2022 15:06

Tgt Ion: 95 Resp: 197444  
Ion Ratio Lower Upper  
95 100  
174 78.9 0.0 159.4  
176 75.4 0.0 152.4

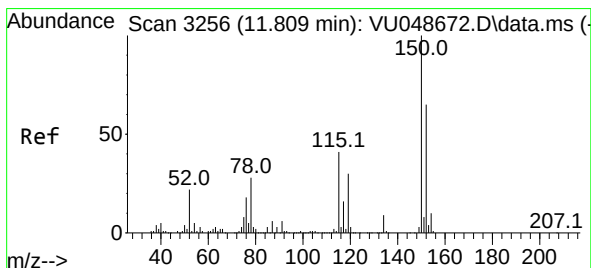
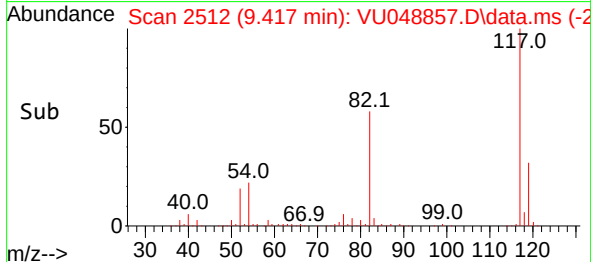
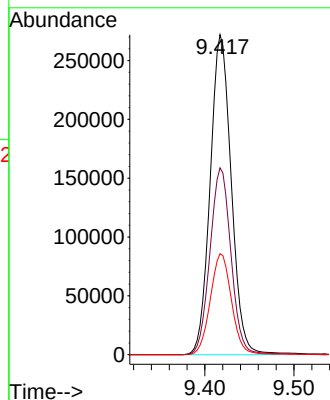
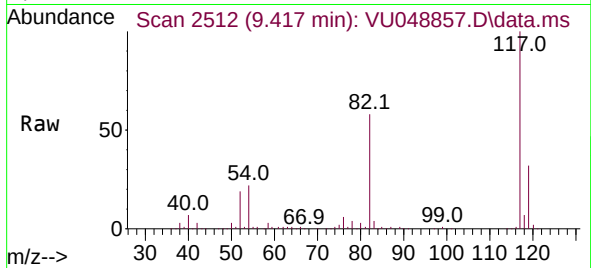




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.417 min Scan# 2512  
Delta R.T. -0.000 min  
Lab File: VU048857.D  
Acq: 03 Jun 2022 15:06

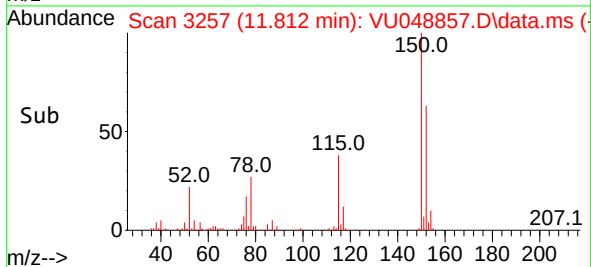
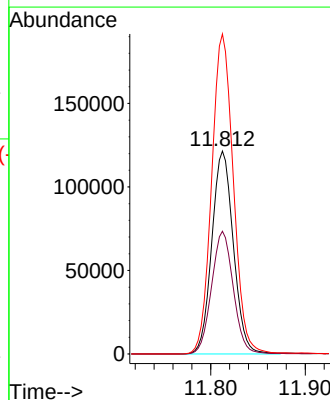
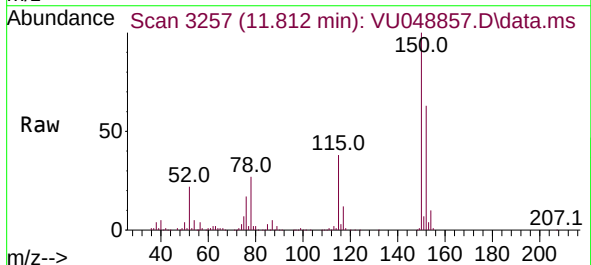
Instrument :  
MSVOA\_U  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANAG

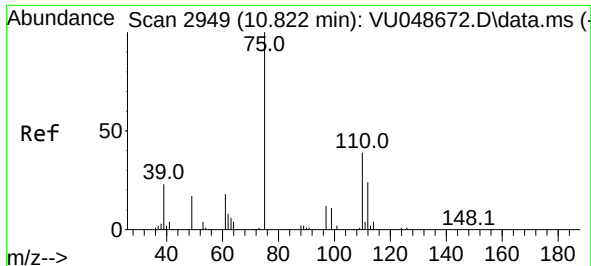
Tgt Ion:117 Resp: 446368  
Ion Ratio Lower Upper  
117 100  
82 58.4 45.3 67.9  
119 31.6 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.812 min Scan# 3257  
Delta R.T. 0.003 min  
Lab File: VU048857.D  
Acq: 03 Jun 2022 15:06

Tgt Ion:152 Resp: 192376  
Ion Ratio Lower Upper  
152 100  
115 60.7 41.8 125.4  
150 158.8 0.0 341.0

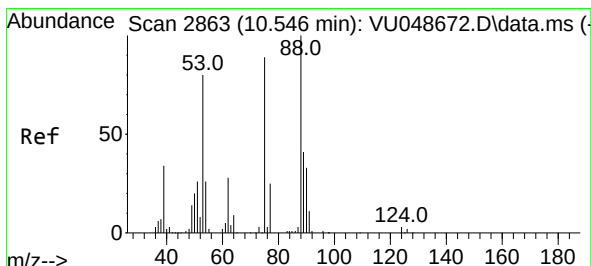
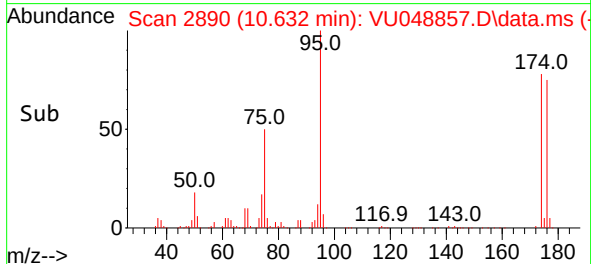
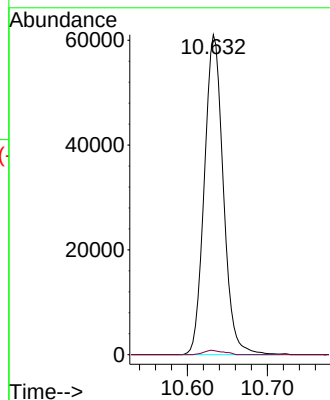
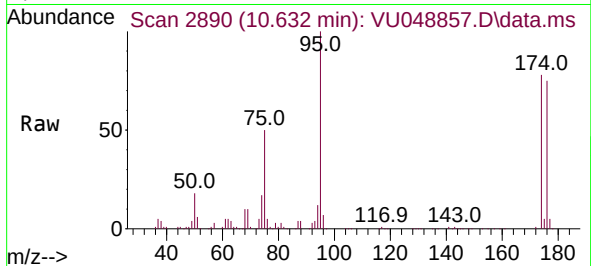




#76  
1,2,3-Trichloropropane  
Concen: 16.244 ug/l  
RT: 10.632 min Scan# 2890  
Delta R.T. -0.190 min  
Lab File: VU048857.D  
Acq: 03 Jun 2022 15:06

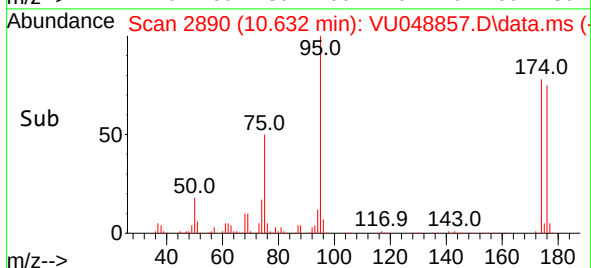
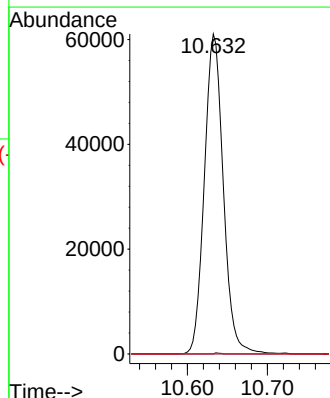
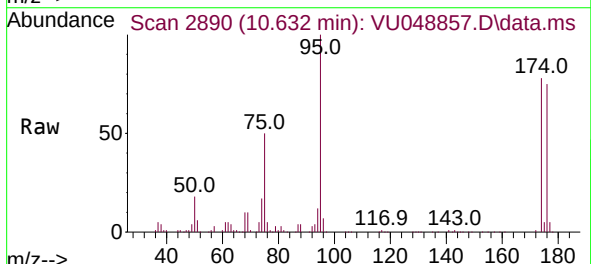
Instrument : MSVOA\_U  
ClientSampleId : STORAGE-BLANK-SAMPLE-MANAG

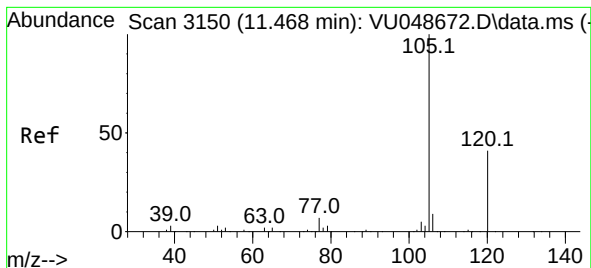
Tgt Ion: 75 Resp: 100755  
Ion Ratio Lower Upper  
75 100  
77 1.4 14.8 44.3#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 58.979 ug/l  
RT: 10.632 min Scan# 2890  
Delta R.T. 0.087 min  
Lab File: VU048857.D  
Acq: 03 Jun 2022 15:06

Tgt Ion: 75 Resp: 100755  
Ion Ratio Lower Upper  
75 100  
53 0.1 72.5 108.7#  
89 0.0 37.0 55.4#





#84

1,2,4-Trimethylbenzene

Concen: 1.207 ug/l

RT: 11.472 min Scan# 3150

Delta R.T. 0.004 min

Lab File: VU048857.D

Acq: 03 Jun 2022 15:06

Instrument :

MSVOA\_U

ClientSampleId :

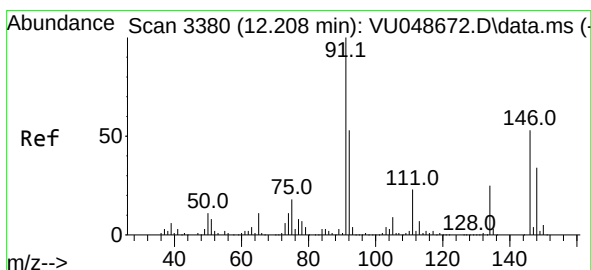
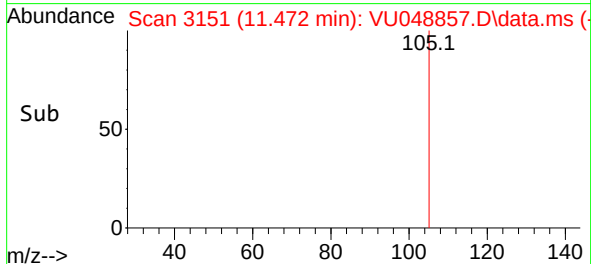
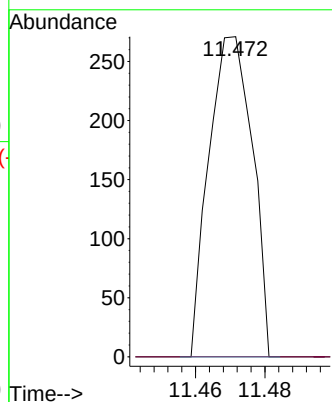
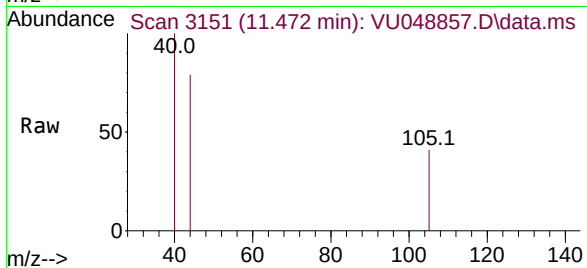
STORAGE-BLANK-SAMPLE-MANAG

Tgt Ion:105 Resp: 236

Ion Ratio Lower Upper

105 100

120 0.0 22.5 67.5#



#89

n-Butylbenzene

Concen: 2.208 ug/l

RT: 12.217 min Scan# 3383

Delta R.T. 0.009 min

Lab File: VU048857.D

Acq: 03 Jun 2022 15:06

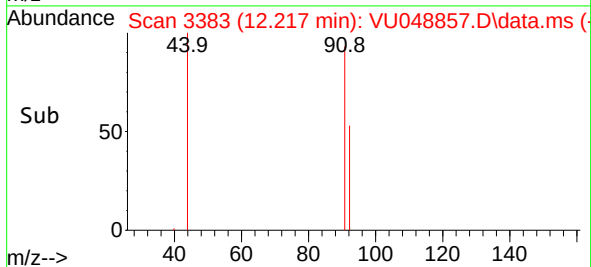
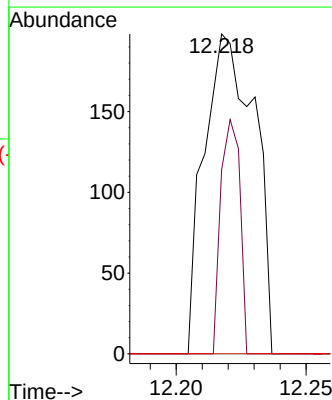
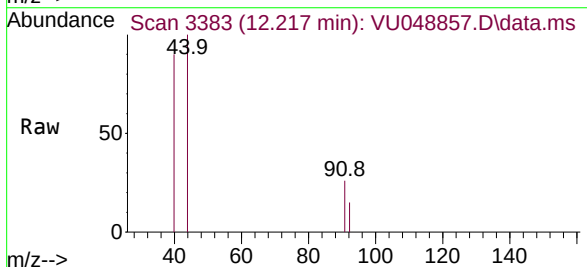
Tgt Ion: 91 Resp: 266

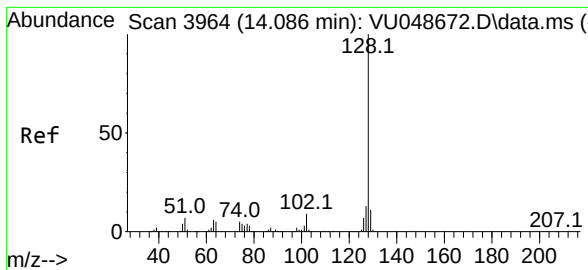
Ion Ratio Lower Upper

91 100

92 27.8 25.9 77.8

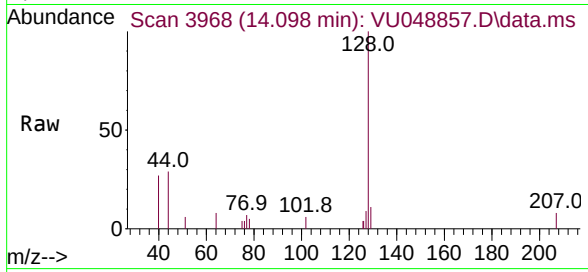
134 0.0 12.5 37.5#





#95  
Naphthalene  
Concen: 2.842 ug/l  
RT: 14.098 min Scan# 3968  
Delta R.T. 0.012 min  
Lab File: VU048857.D  
Acq: 03 Jun 2022 15:06

Instrument :  
MSVOA\_U  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANAG



Tgt Ion:128 Resp: 4928  
Ion Ratio Lower Upper  
128 100  
127 10.0 10.2 15.4#  
129 6.4 8.7 13.1#

