

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU060322\  
 Data File : VU048872.D  
 Acq On : 03 Jun 2022 21:00  
 Operator : SY/MD  
 Sample : N3165-06  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 57BR-20220531

Quant Time: Jun 04 04:42:25 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

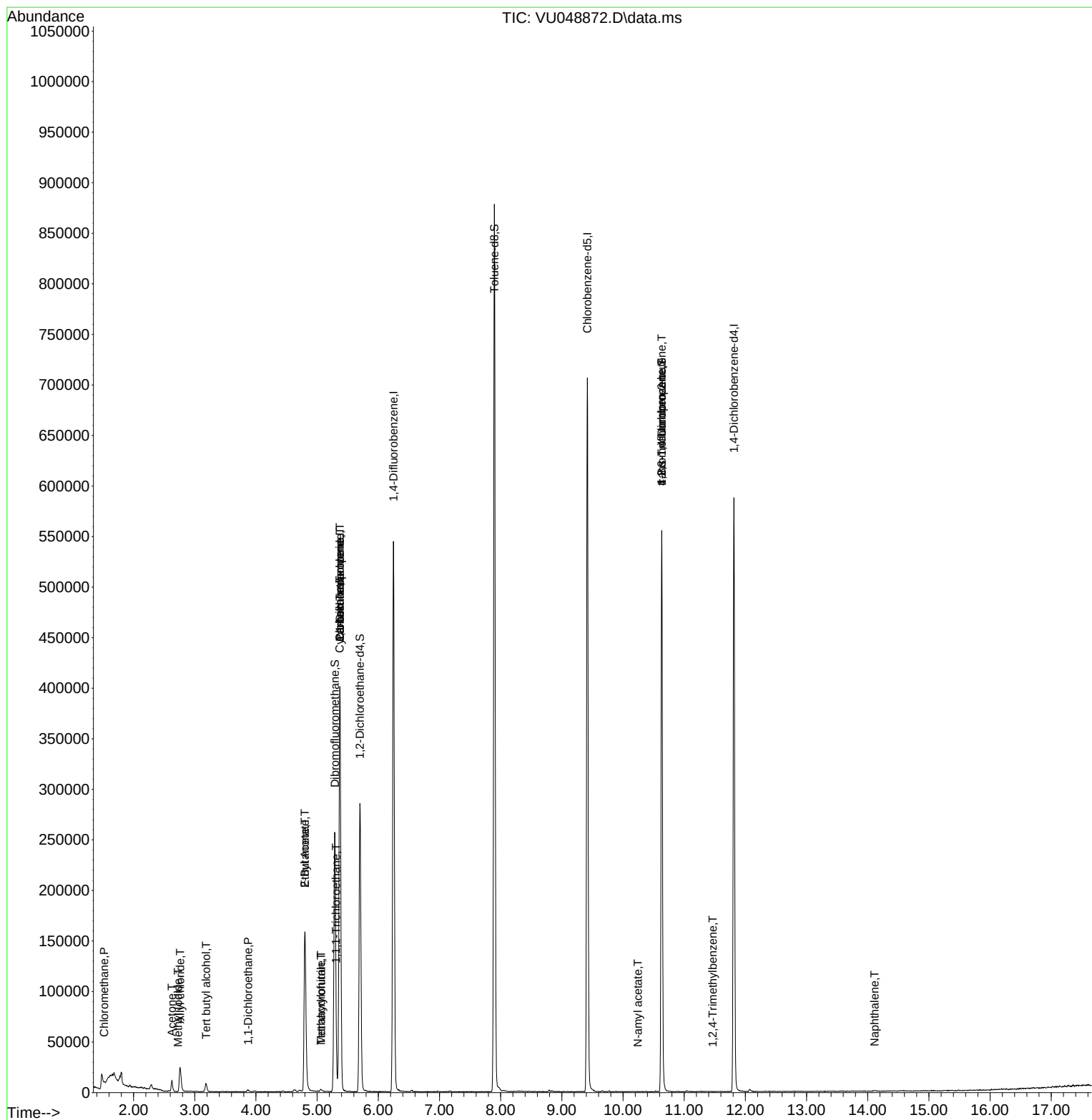
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 5.372  | 168   | 269599   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.250  | 114   | 432748   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 9.417  | 117   | 389919   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 158687   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.700  | 65    | 220620   | 54.489    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | = 108.980% |          |
| 35) Dibromofluoromethane      | 5.288  | 113   | 167451   | 54.238    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | = 108.480% |          |
| 50) Toluene-d8                | 7.896  | 98    | 579398   | 52.354    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | = 104.700% |          |
| 62) 4-Bromofluorobenzene      | 10.632 | 95    | 184043   | 43.972    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | = 87.940%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 1.520  | 50    | 1350     | 0.340     | ug/l #     | 84       |
| 5) Bromomethane               | 1.851  | 94    | 63       | Below Cal | #          | 3        |
| 6) Chloroethane               | 1.941  | 64    | 273      | Below Cal | #          | 27       |
| 10) Methyl Iodide             | 2.726  | 142   | 47       | 3.015     | ug/l #     | 37       |
| 11) Tert butyl alcohol        | 3.186  | 59    | 5214     | 5.079     | ug/l #     | 28       |
| 13) Acrolein                  | 2.472  | 56    | 40       | Below Cal | #          | 14       |
| 14) Allyl chloride            | 2.761  | 41    | 3181     | 0.599     | ug/l #     | 62       |
| 16) Acetone                   | 2.626  | 43    | 11308    | 5.480     | ug/l       | 98       |
| 24) 1,1-Dichloroethane        | 3.870  | 63    | 2291     | 0.372     | ug/l #     | 84       |
| 25) 2-Butanone                | 4.800  | 43    | 209239   | 70.587    | ug/l #     | 49       |
| 29) Tetrahydrofuran           | 5.067  | 42    | 1295     | 0.694     | ug/l #     | 80       |
| 31) Cyclohexane               | 5.369  | 56    | 5668     | 1.111     | ug/l #     | 1        |
| 32) 1,1,1-Trichloroethane     | 5.311  | 97    | 4488     | 0.803     | ug/l #     | 46       |
| 36) 1,1-Dichloropropene       | 5.372  | 75    | 22403    | 4.972     | ug/l #     | 50       |
| 37) Ethyl Acetate             | 4.800  | 43    | 209239   | 36.733    | ug/l       | 99       |
| 38) Carbon Tetrachloride      | 5.372  | 117   | 28027    | 5.422     | ug/l #     | 18       |
| 41) Methacrylonitrile         | 5.063  | 41    | 589      | 0.205     | ug/l #     | 43       |
| 74) N-amyl acetate            | 10.243 | 43    | 219      | 2.507     | ug/l #     | 41       |
| 76) 1,2,3-Trichloropropane    | 10.632 | 75    | 96400    | 18.841    | ug/l #     | 47       |
| 81) trans-1,4-Dichloro-2-b... | 10.632 | 75    | 96400    | 68.410    | ug/l #     | 13       |
| 84) 1,2,4-Trimethylbenzene    | 11.468 | 105   | 68       | 1.194     | ug/l #     | 31       |
| 95) Naphthalene               | 14.111 | 128   | 832      | 2.596     | ug/l #     | 69       |
| -----                         |        |       |          |           |            |          |

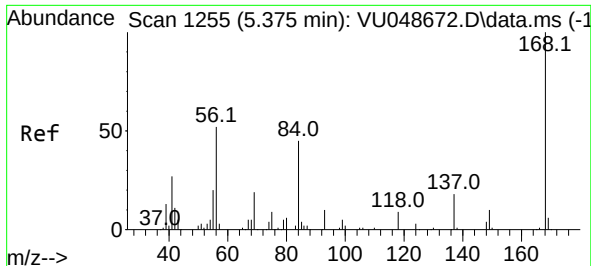
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU060322\  
Data File : VU048872.D  
Acq On : 03 Jun 2022 21:00  
Operator : SY/MD  
Sample : N3165-06  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
57BR-20220531

Quant Time: Jun 04 04:42:25 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

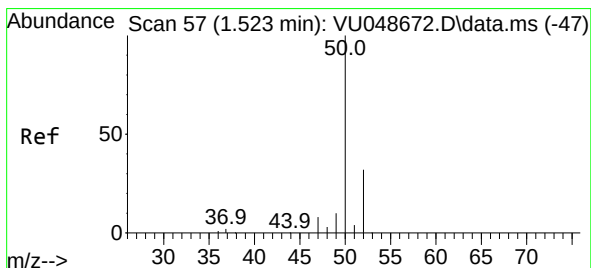
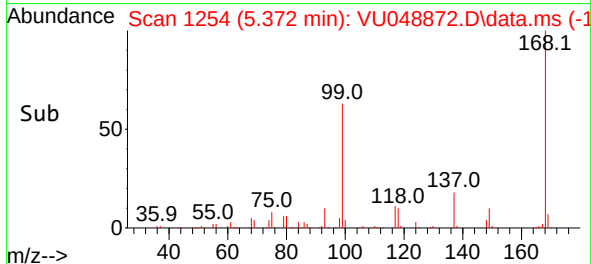
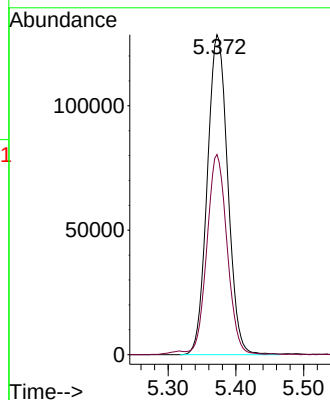
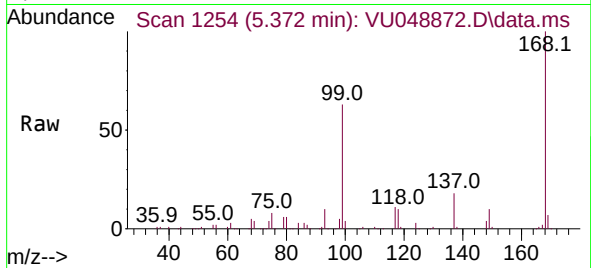




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.372 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU048872.D  
Acq: 03 Jun 2022 21:00

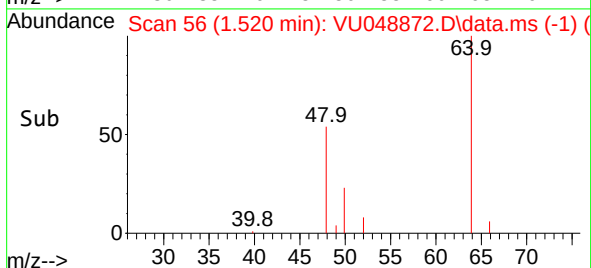
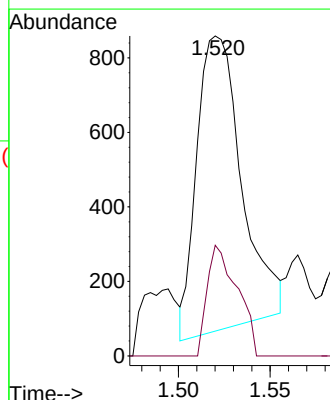
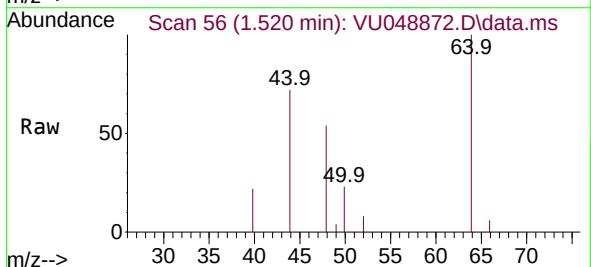
Instrument :  
MSVOA\_U  
ClientSampleId :  
57BR-20220531

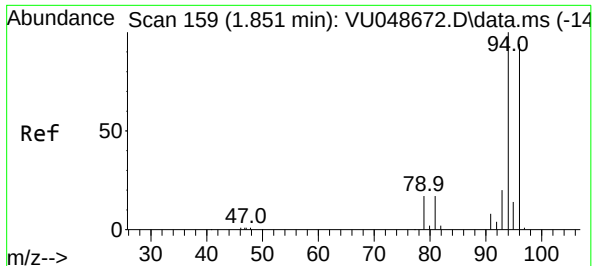
Tgt Ion:168 Resp: 269599  
Ion Ratio Lower Upper  
168 100  
99 62.4 49.3 73.9



#3  
Chloromethane  
Concen: 0.340 ug/l  
RT: 1.520 min Scan# 56  
Delta R.T. -0.003 min  
Lab File: VU048872.D  
Acq: 03 Jun 2022 21:00

Tgt Ion: 50 Resp: 1350  
Ion Ratio Lower Upper  
50 100  
52 40.8 25.7 38.5#

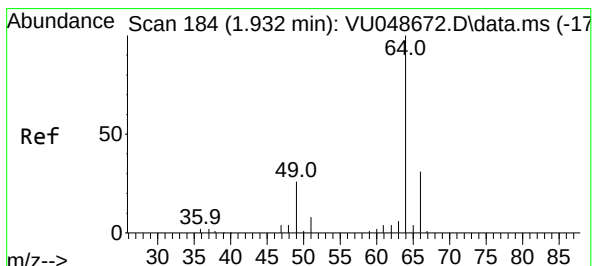
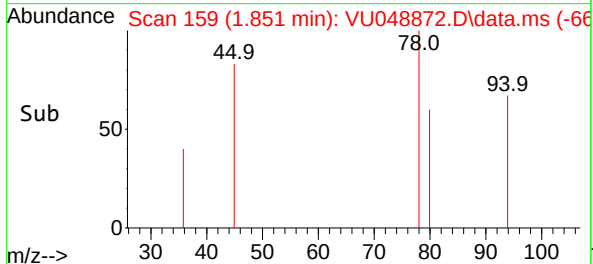
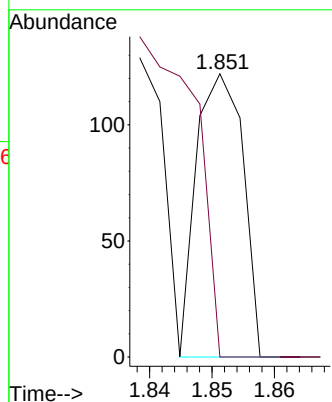
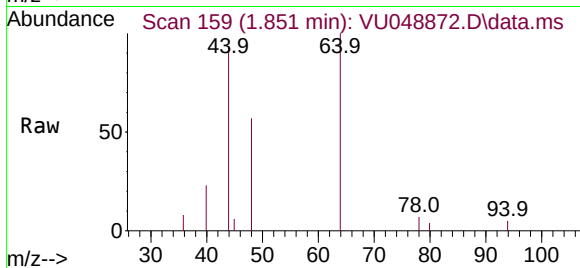




#5  
Bromomethane  
Concen: Below Cal  
RT: 1.851 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU048872.D  
Acq: 03 Jun 2022 21:00

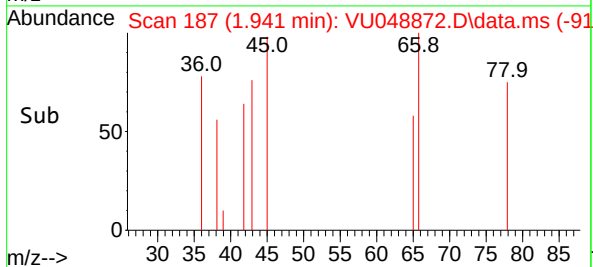
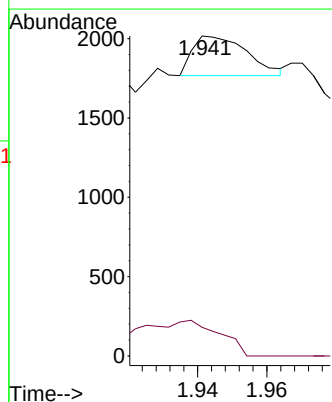
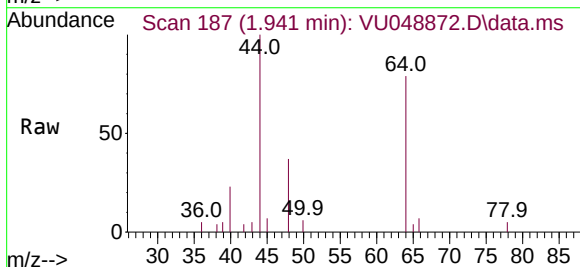
Instrument :  
MSVOA\_U  
ClientSampleId :  
57BR-20220531

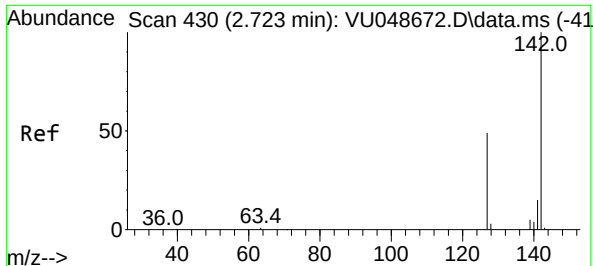
Tgt Ion: 94 Resp: 63  
Ion Ratio Lower Upper  
94 100  
96 0.0 75.1 112.7#



#6  
Chloroethane  
Concen: Below Cal  
RT: 1.941 min Scan# 187  
Delta R.T. 0.009 min  
Lab File: VU048872.D  
Acq: 03 Jun 2022 21:00

Tgt Ion: 64 Resp: 273  
Ion Ratio Lower Upper  
64 100  
66 72.0 25.2 37.8#

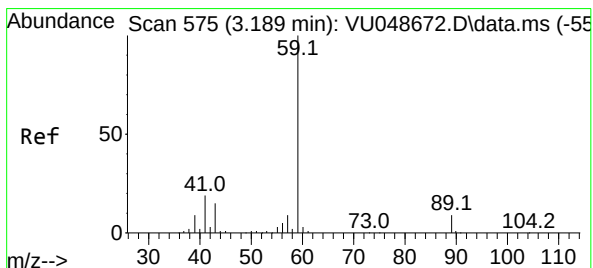
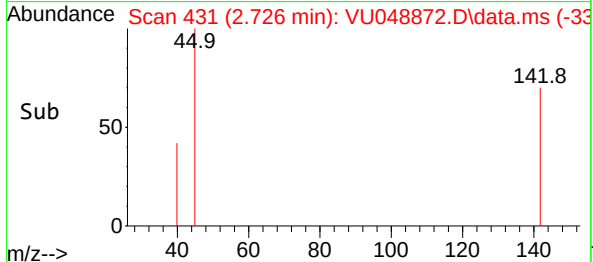
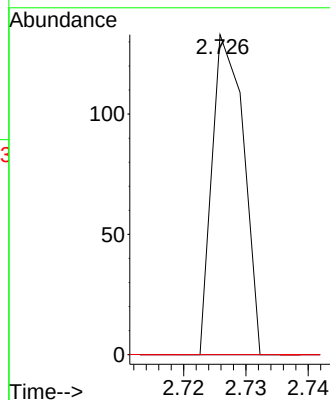
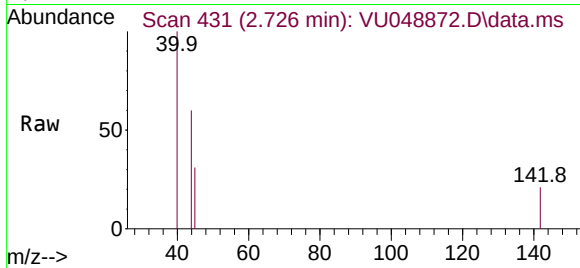




#10  
Methyl Iodide  
Concen: 3.015 ug/l  
RT: 2.726 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VU048872.D  
Acq: 03 Jun 2022 21:00

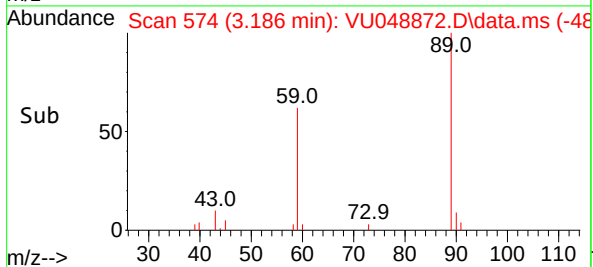
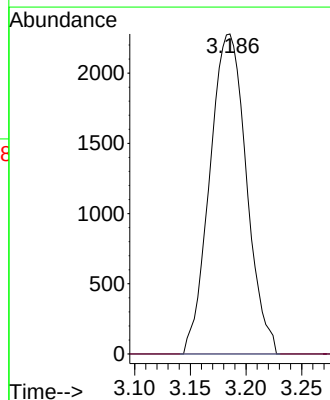
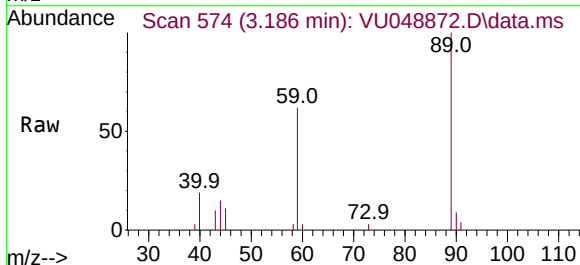
Instrument :  
MSVOA\_U  
ClientSampleId :  
57BR-20220531

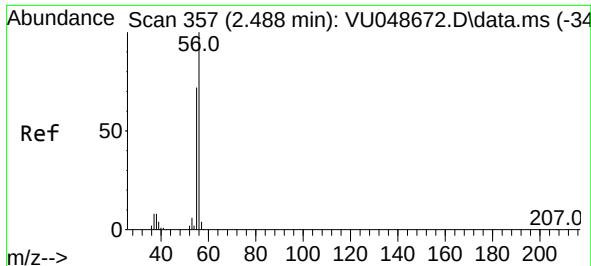
Tgt Ion:142 Resp: 47  
Ion Ratio Lower Upper  
142 100  
127 0.0 38.4 57.6#  
141 0.0 11.5 17.3#



#11  
Tert butyl alcohol  
Concen: 5.079 ug/l  
RT: 3.186 min Scan# 574  
Delta R.T. -0.003 min  
Lab File: VU048872.D  
Acq: 03 Jun 2022 21:00

Tgt Ion: 59 Resp: 5214  
Ion Ratio Lower Upper  
59 100  
57 0.0 39.7 59.5#

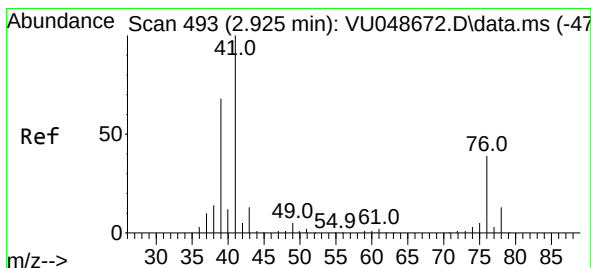
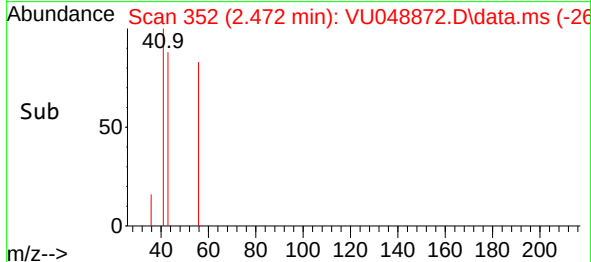
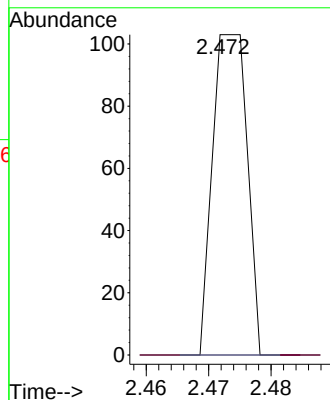
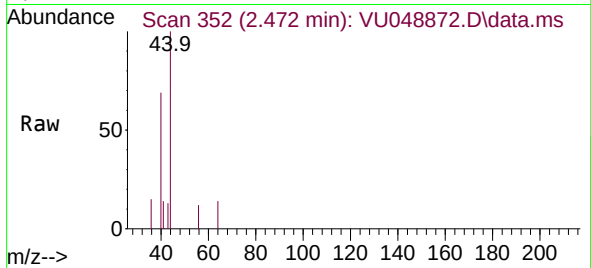




#13  
Acrolein  
Concen: Below Cal  
RT: 2.472 min Scan# 31  
Delta R.T. -0.016 min  
Lab File: VU048872.D  
Acq: 03 Jun 2022 21:00

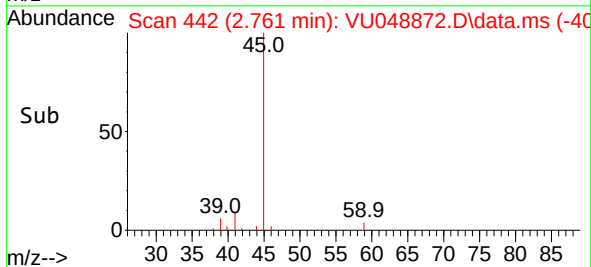
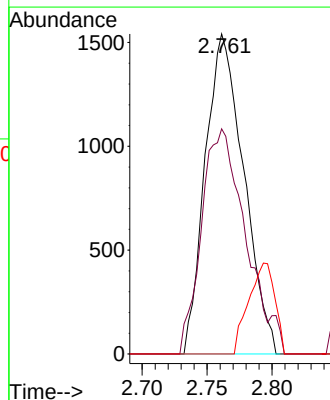
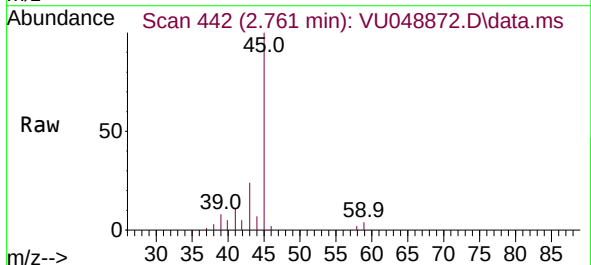
Instrument :  
MSVOA\_U  
ClientSampleId :  
57BR-20220531

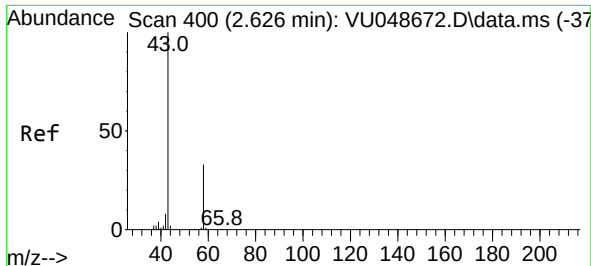
Tgt Ion: 56 Resp: 40  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.7 86.5#



#14  
Allyl chloride  
Concen: 0.599 ug/l  
RT: 2.761 min Scan# 442  
Delta R.T. -0.164 min  
Lab File: VU048872.D  
Acq: 03 Jun 2022 21:00

Tgt Ion: 41 Resp: 3181  
Ion Ratio Lower Upper  
41 100  
39 80.4 48.6 72.8#  
76 0.0 27.0 40.4#

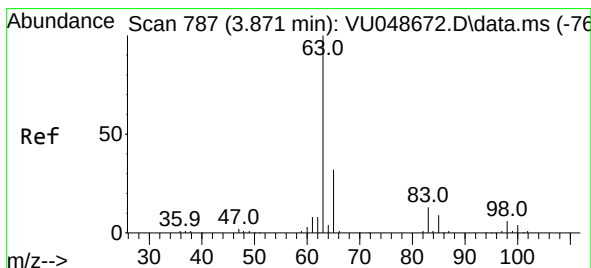
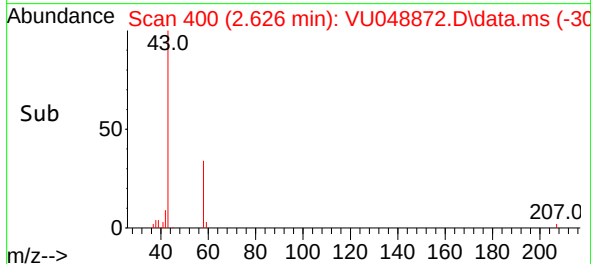
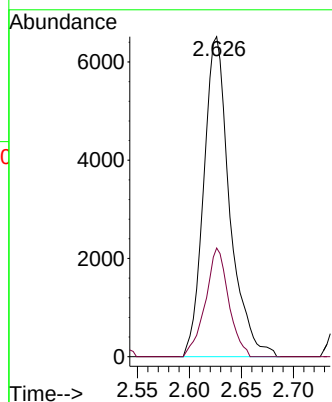
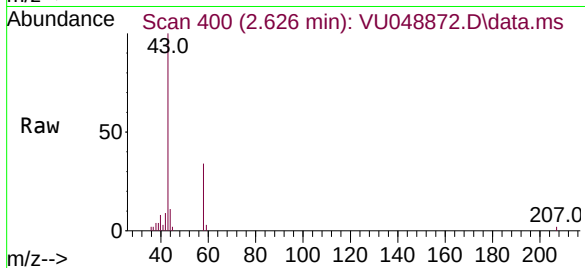




#16  
Acetone  
Concen: 5.480 ug/l  
RT: 2.626 min Scan# 400  
Delta R.T. -0.000 min  
Lab File: VU048872.D  
Acq: 03 Jun 2022 21:00

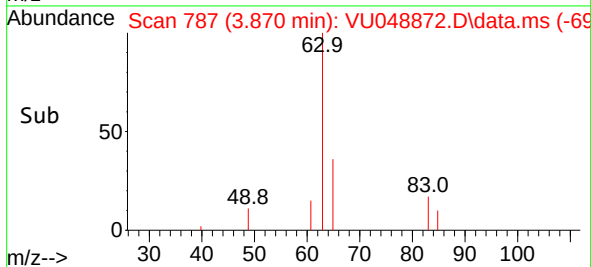
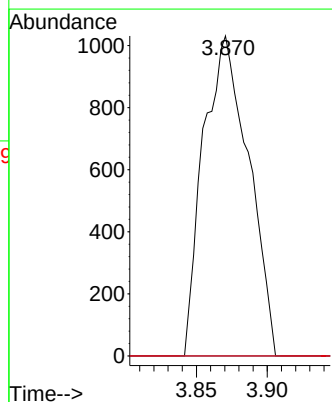
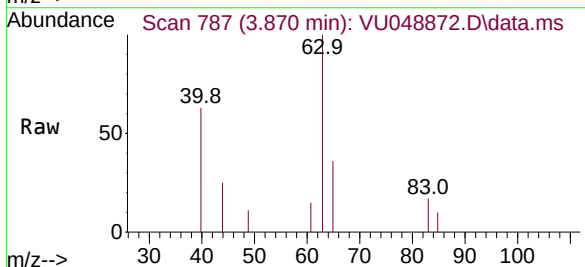
Instrument :  
MSVOA\_U  
ClientSampleId :  
57BR-20220531

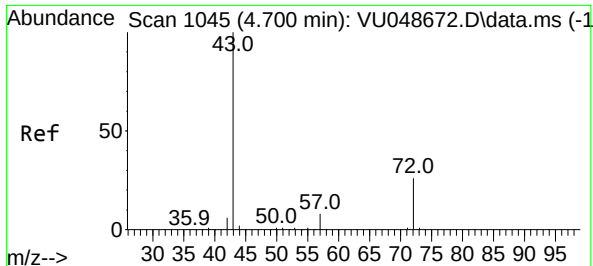
Tgt Ion: 43 Resp: 11308  
Ion Ratio Lower Upper  
43 100  
58 34.0 26.3 39.5



#24  
1,1-Dichloroethane  
Concen: 0.372 ug/l  
RT: 3.870 min Scan# 787  
Delta R.T. -0.000 min  
Lab File: VU048872.D  
Acq: 03 Jun 2022 21:00

Tgt Ion: 63 Resp: 2291  
Ion Ratio Lower Upper  
63 100  
98 0.0 3.1 9.3#  
100 0.0 2.0 5.8#





#25

2-Butanone

Concen: 70.587 ug/l

RT: 4.800 min Scan# 1107

Delta R.T. 0.100 min

Lab File: VU048872.D

Acq: 03 Jun 2022 21:00

Instrument :

MSVOA\_U

ClientSampleId :

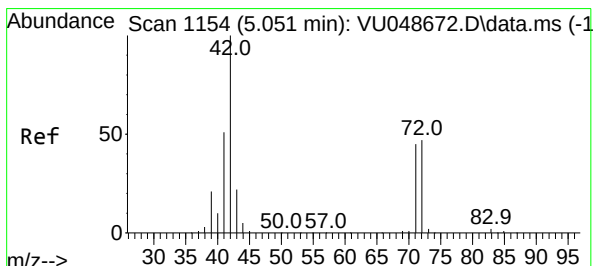
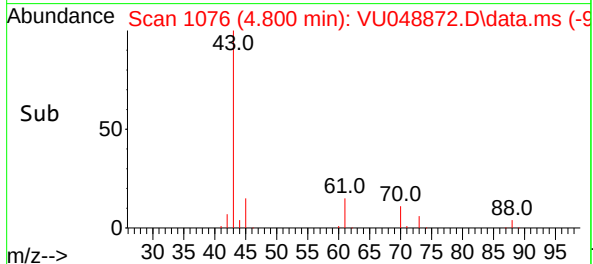
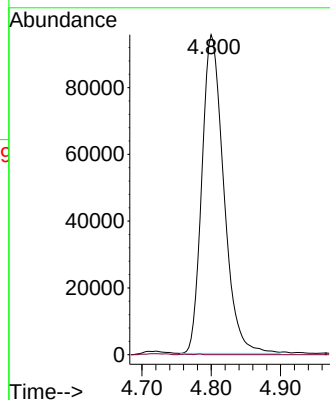
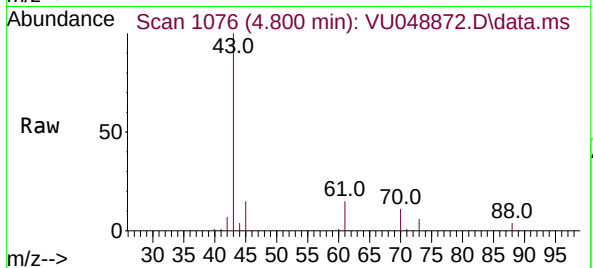
57BR-20220531

Tgt Ion: 43 Resp: 209239

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



#29

Tetrahydrofuran

Concen: 0.694 ug/l

RT: 5.067 min Scan# 1159

Delta R.T. 0.016 min

Lab File: VU048872.D

Acq: 03 Jun 2022 21:00

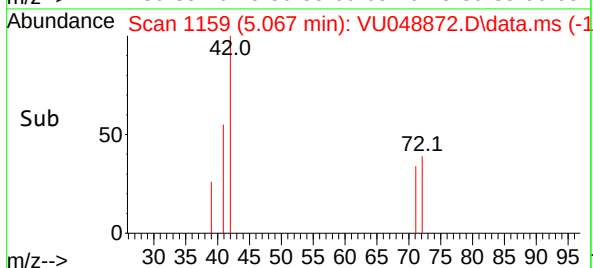
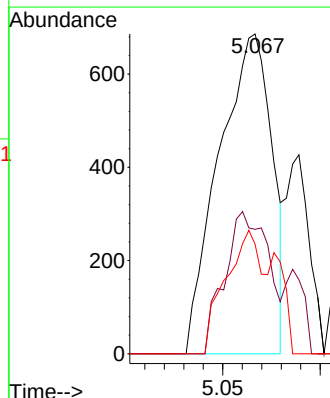
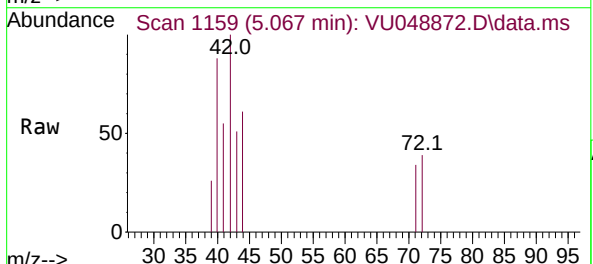
Tgt Ion: 42 Resp: 1295

Ion Ratio Lower Upper

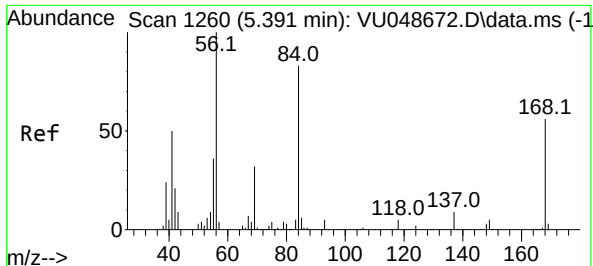
42 100

72 37.1 37.6 56.4#

71 27.3 35.0 52.4#



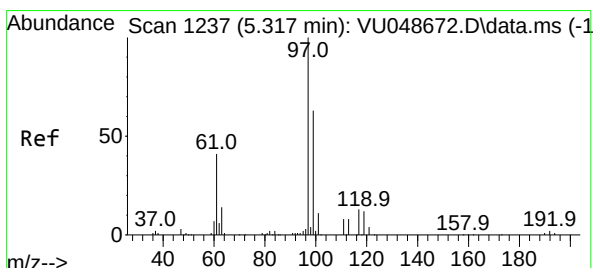
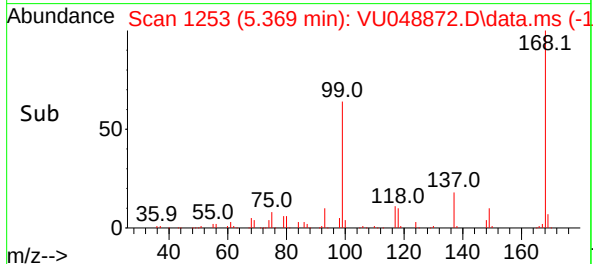
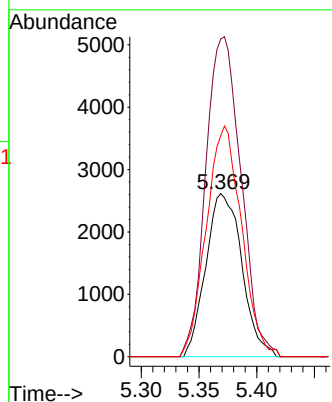
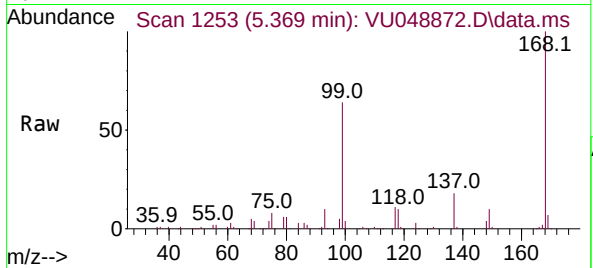




#31  
Cyclohexane  
Concen: 1.111 ug/l  
RT: 5.369 min Scan# 1253  
Delta R.T. -0.023 min  
Lab File: VU048872.D  
Acq: 03 Jun 2022 21:00

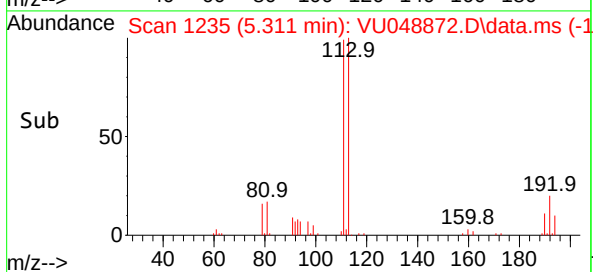
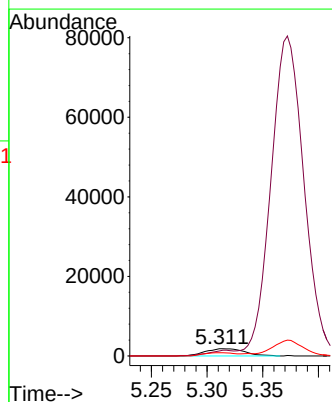
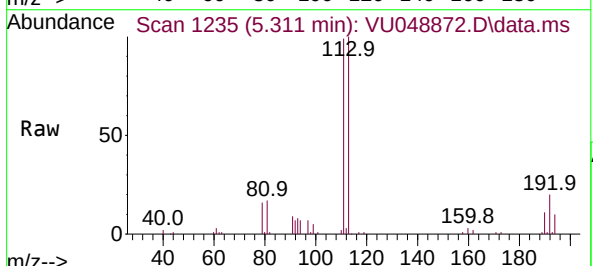
Instrument :  
MSVOA\_U  
ClientSampleId :  
57BR-20220531

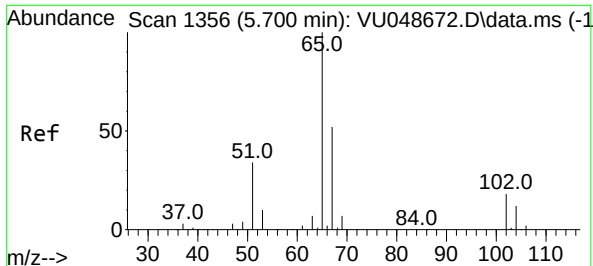
Tgt Ion: 56 Resp: 5668  
Ion Ratio Lower Upper  
56 100  
69 195.0 25.6 38.4#  
84 135.6 66.2 99.4#



#32  
1,1,1-Trichloroethane  
Concen: 0.803 ug/l  
RT: 5.311 min Scan# 1235  
Delta R.T. -0.006 min  
Lab File: VU048872.D  
Acq: 03 Jun 2022 21:00

Tgt Ion: 97 Resp: 4488  
Ion Ratio Lower Upper  
97 100  
99 0.0 51.6 77.4#  
61 35.9 34.5 51.7





#33

1,2-Dichloroethane-d4

Concen: 54.489 ug/l

RT: 5.700 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048872.D

Acq: 03 Jun 2022 21:00

Instrument :

MSVOA\_U

ClientSampleId :

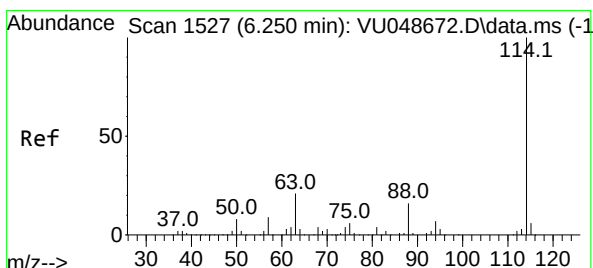
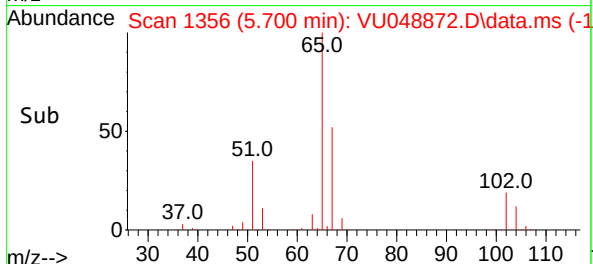
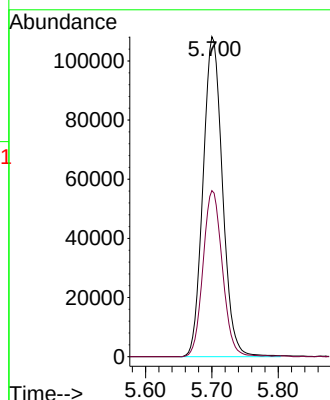
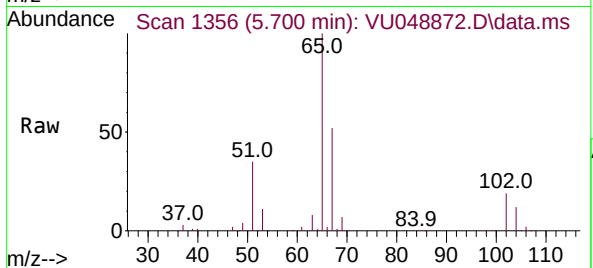
57BR-20220531

Tgt Ion: 65 Resp: 220620

Ion Ratio Lower Upper

65 100

67 51.5 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.000 min

Lab File: VU048872.D

Acq: 03 Jun 2022 21:00

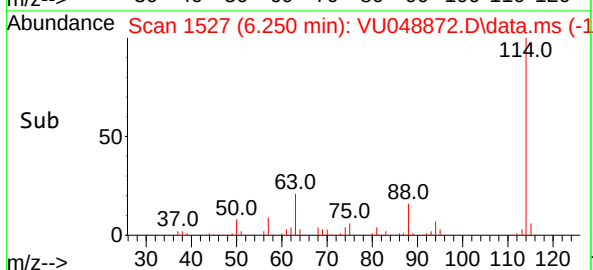
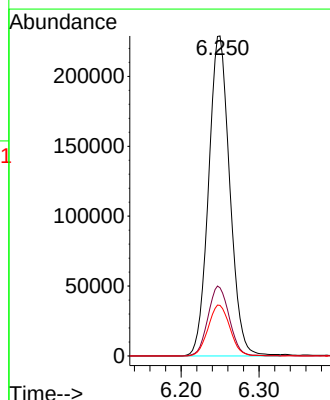
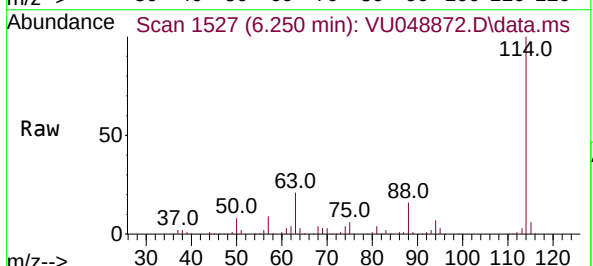
Tgt Ion: 114 Resp: 432748

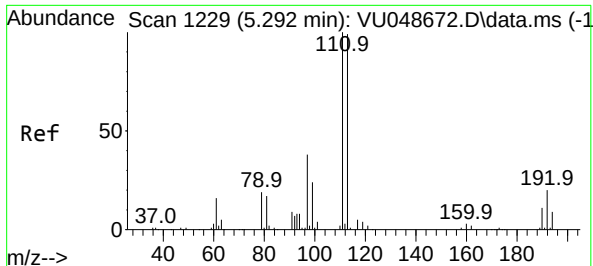
Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.6

88 15.8 0.0 32.2





#35

Dibromofluoromethane

Concen: 54.238 ug/l

RT: 5.288 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048872.D

Acq: 03 Jun 2022 21:00

Instrument :

MSVOA\_U

ClientSampleId :

57BR-20220531

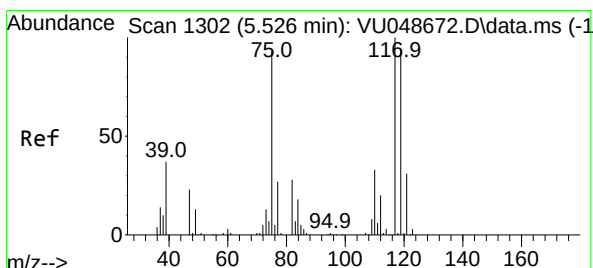
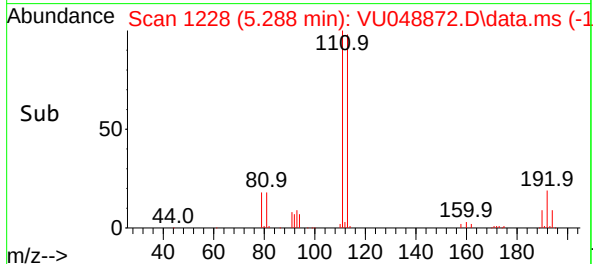
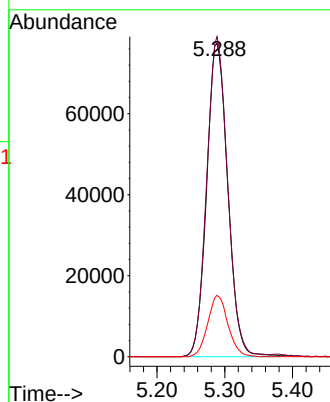
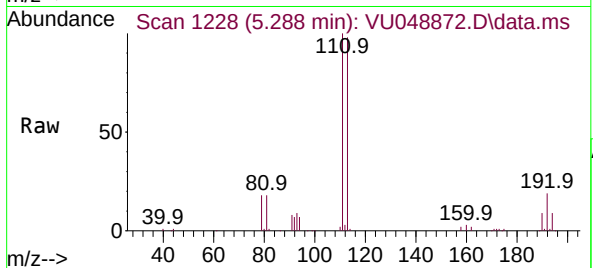
Tgt Ion:113 Resp: 167451

Ion Ratio Lower Upper

113 100

111 101.1 80.7 121.1

192 18.7 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.972 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048872.D

Acq: 03 Jun 2022 21:00

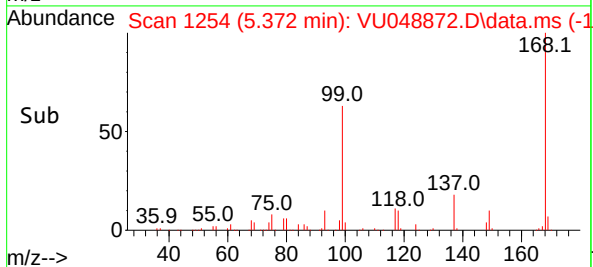
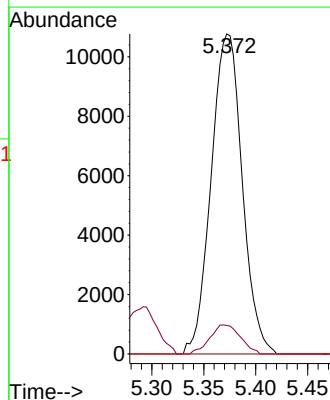
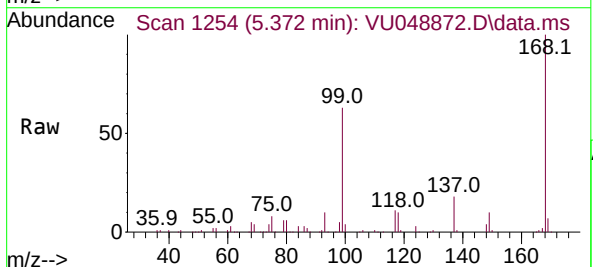
Tgt Ion: 75 Resp: 22403

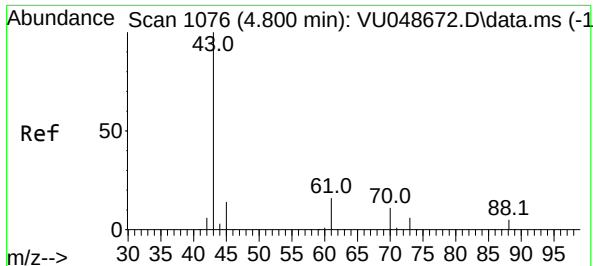
Ion Ratio Lower Upper

75 100

110 8.9 17.4 52.3#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 36.733 ug/l

RT: 4.800 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048872.D

Acq: 03 Jun 2022 21:00

Instrument :

MSVOA\_U

ClientSampleId :

57BR-20220531

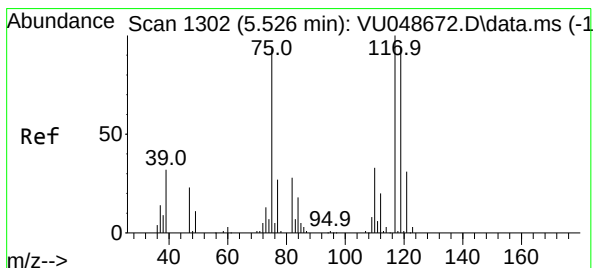
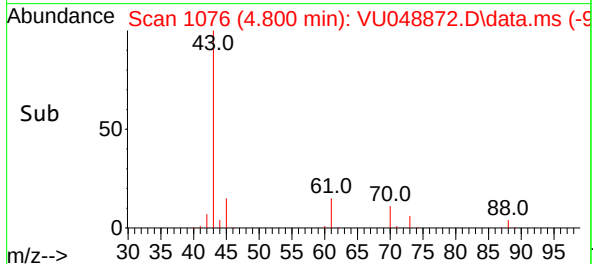
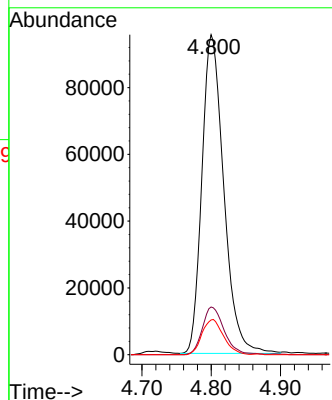
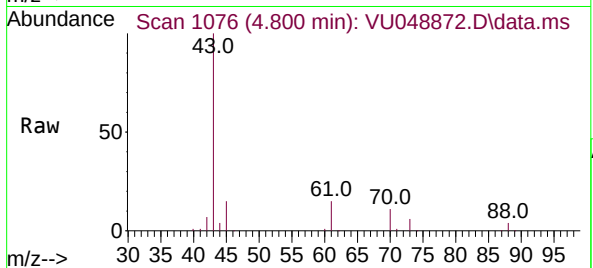
Tgt Ion: 43 Resp: 209239

Ion Ratio Lower Upper

43 100

61 14.9 11.7 17.5

70 10.9 8.4 12.6



#38

Carbon Tetrachloride

Concen: 5.422 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048872.D

Acq: 03 Jun 2022 21:00

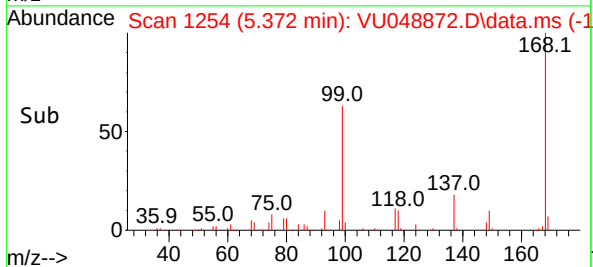
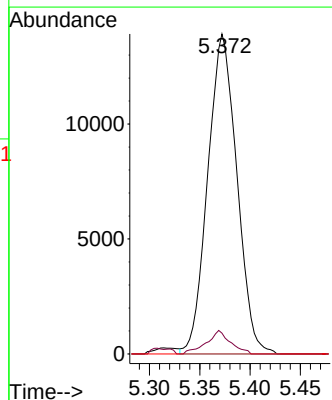
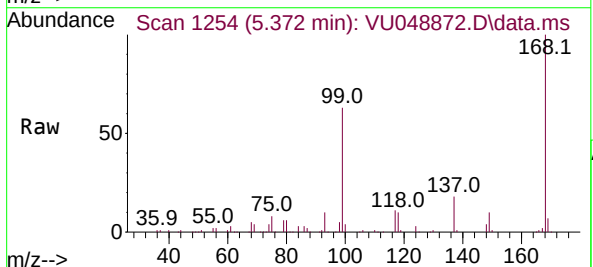
Tgt Ion: 117 Resp: 28027

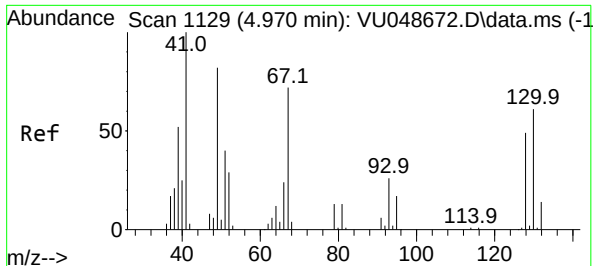
Ion Ratio Lower Upper

117 100

119 6.5 75.4 113.2#

121 0.0 24.6 36.8#

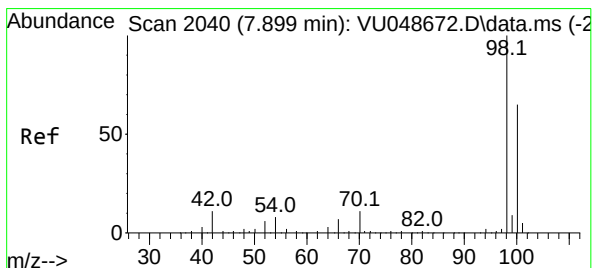
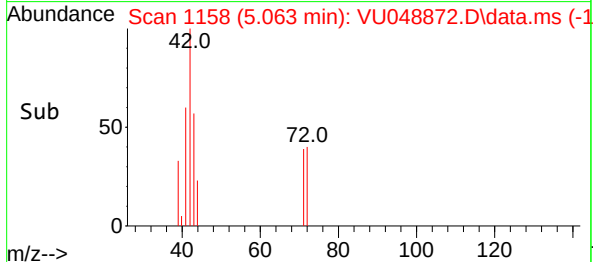
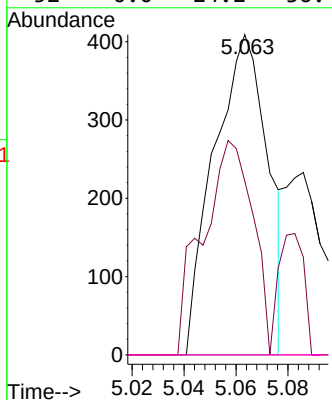
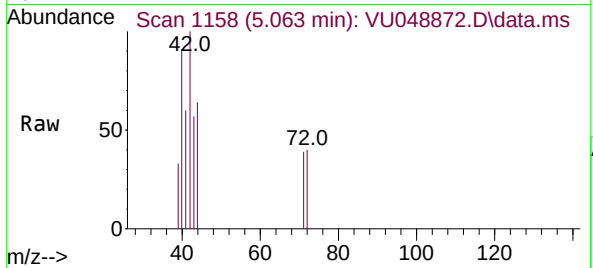




#41  
Methacrylonitrile  
Concen: 0.205 ug/l  
RT: 5.063 min Scan# 1129  
Delta R.T. 0.093 min  
Lab File: VU048872.D  
Acq: 03 Jun 2022 21:00

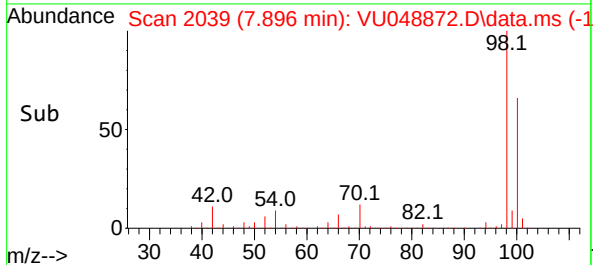
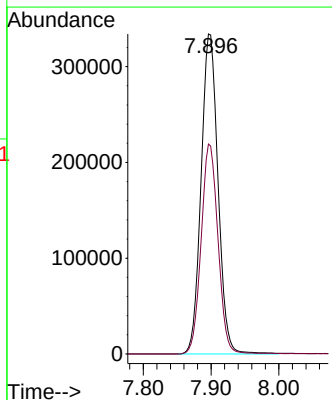
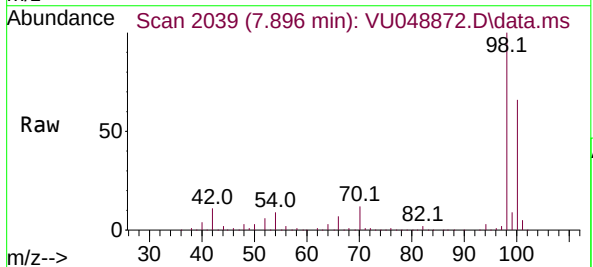
Instrument :  
MSVOA\_U  
ClientSampleId :  
57BR-20220531

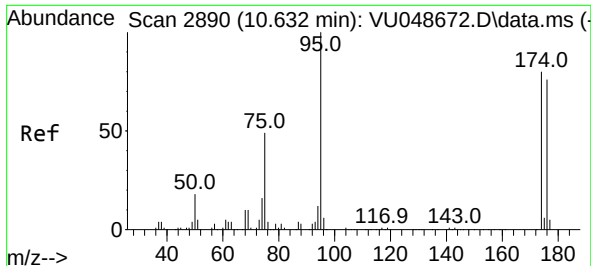
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 41 | Resp: | 589         |
| Ion         | Ratio | Lower Upper |
| 41          | 100   |             |
| 39          | 62.3  | 42.6 64.0   |
| 67          | 0.0   | 61.0 91.4#  |
| 52          | 0.0   | 24.2 36.4#  |



#50  
Toluene-d8  
Concen: 52.354 ug/l  
RT: 7.896 min Scan# 2039  
Delta R.T. -0.003 min  
Lab File: VU048872.D  
Acq: 03 Jun 2022 21:00

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 98 | Resp: | 579398      |
| Ion         | Ratio | Lower Upper |
| 98          | 100   |             |
| 100         | 65.2  | 52.2 78.4   |

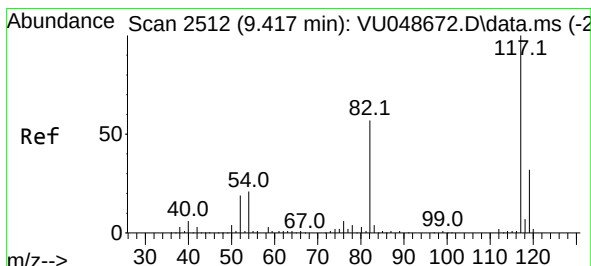
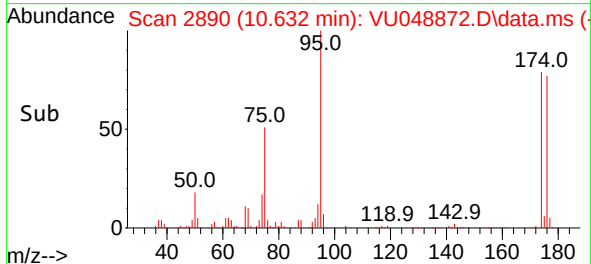
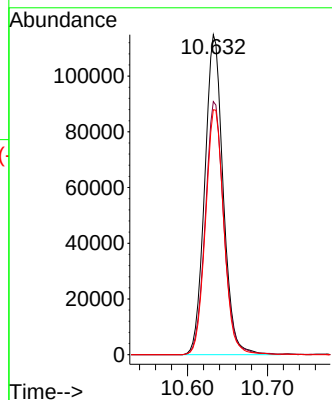
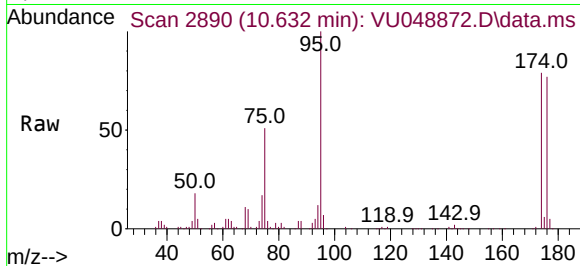




#62  
4-Bromofluorobenzene  
Concen: 43.972 ug/l  
RT: 10.632 min Scan# 2890  
Delta R.T. -0.000 min  
Lab File: VU048872.D  
Acq: 03 Jun 2022 21:00

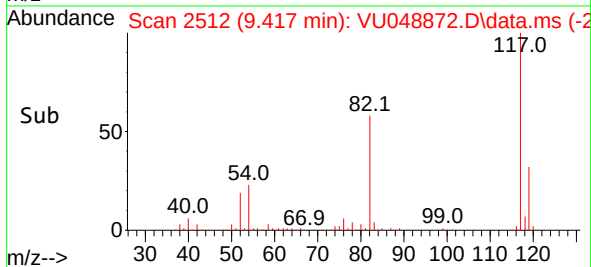
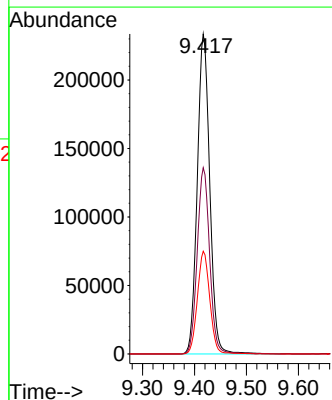
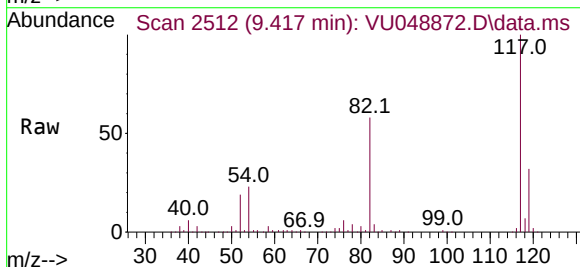
Instrument : MSVOA\_U  
ClientSampleId : 57BR-20220531

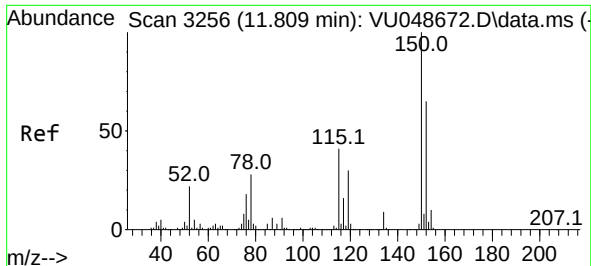
Tgt Ion: 95 Resp: 184043  
Ion Ratio Lower Upper  
95 100  
174 79.6 0.0 159.4  
176 76.5 0.0 152.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.417 min Scan# 2512  
Delta R.T. -0.000 min  
Lab File: VU048872.D  
Acq: 03 Jun 2022 21:00

Tgt Ion: 117 Resp: 389919  
Ion Ratio Lower Upper  
117 100  
82 58.2 45.3 67.9  
119 32.1 25.4 38.2

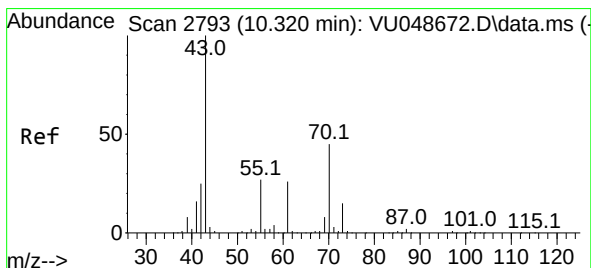
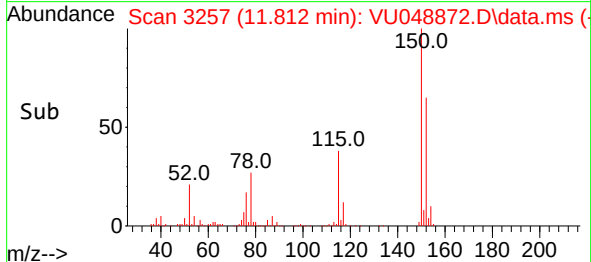
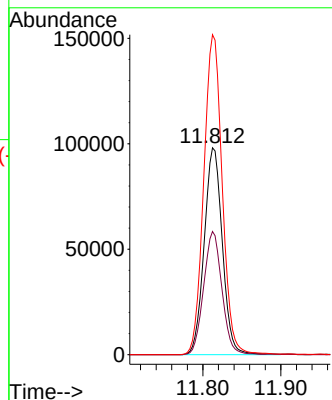
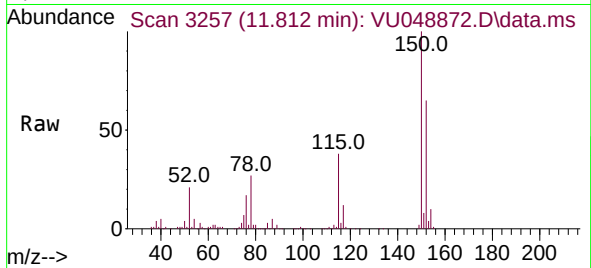




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.812 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU048872.D  
Acq: 03 Jun 2022 21:00

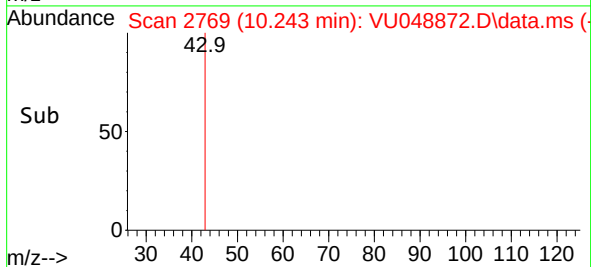
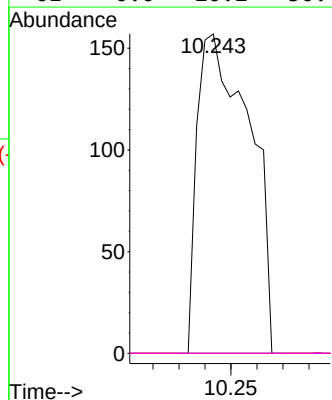
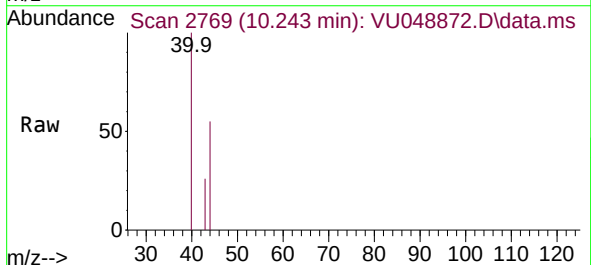
Instrument :  
MSVOA\_U  
ClientSampleId :  
57BR-20220531

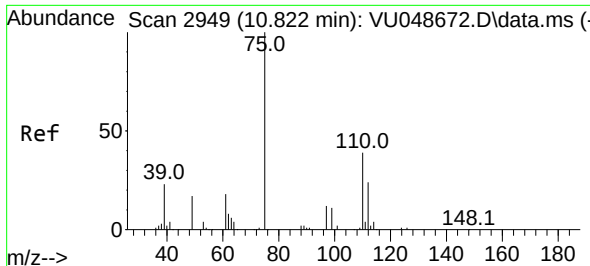
Tgt Ion:152 Resp: 158687  
Ion Ratio Lower Upper  
152 100  
115 59.9 41.8 125.4  
150 157.4 0.0 341.0



#74  
N-ethyl acetate  
Concen: 2.507 ug/l  
RT: 10.243 min Scan# 2769  
Delta R.T. -0.077 min  
Lab File: VU048872.D  
Acq: 03 Jun 2022 21:00

Tgt Ion: 43 Resp: 219  
Ion Ratio Lower Upper  
43 100  
70 0.0 35.8 53.6#  
55 0.0 21.1 31.7#  
61 0.0 20.2 30.4#

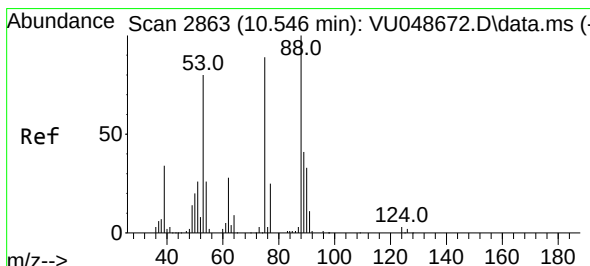
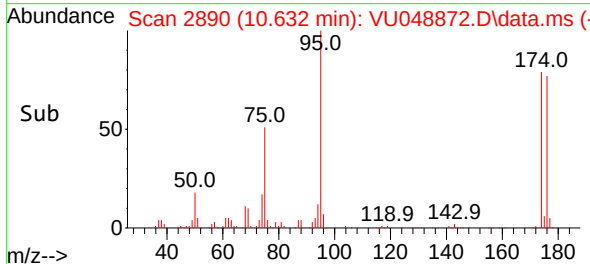
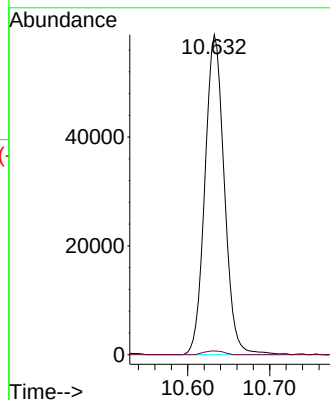
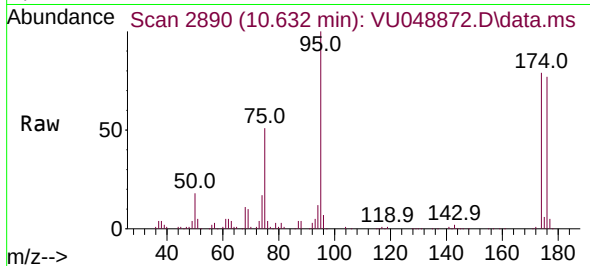




#76  
1,2,3-Trichloropropane  
Concen: 18.841 ug/l  
RT: 10.632 min Scan# 2890  
Delta R.T. -0.190 min  
Lab File: VU048872.D  
Acq: 03 Jun 2022 21:00

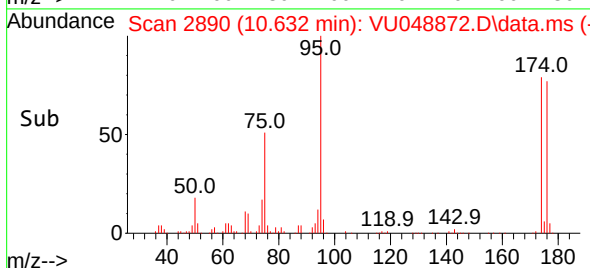
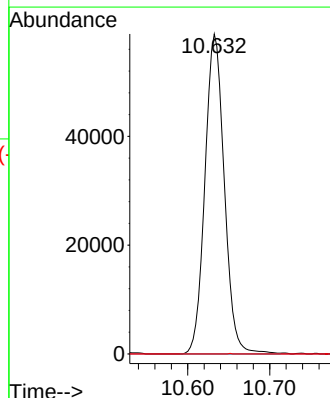
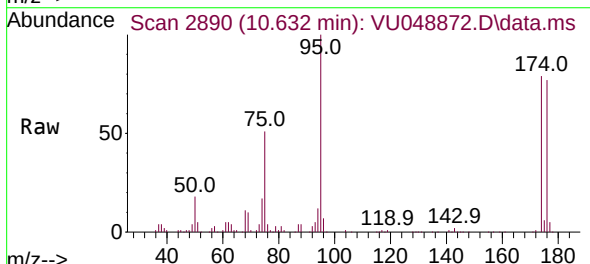
Instrument :  
MSVOA\_U  
ClientSampleId :  
57BR-20220531

Tgt Ion: 75 Resp: 96400  
Ion Ratio Lower Upper  
75 100  
77 1.2 14.8 44.3#

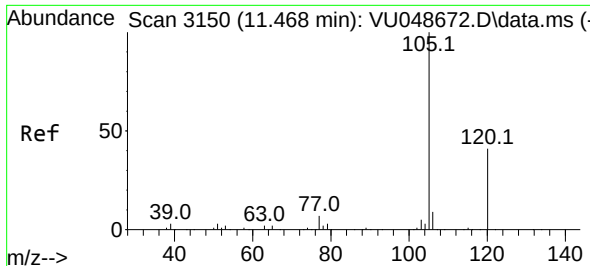


#81  
trans-1,4-Dichloro-2-butene  
Concen: 68.410 ug/l  
RT: 10.632 min Scan# 2890  
Delta R.T. 0.087 min  
Lab File: VU048872.D  
Acq: 03 Jun 2022 21:00

Tgt Ion: 75 Resp: 96400  
Ion Ratio Lower Upper  
75 100  
53 0.0 72.5 108.7#  
89 0.0 37.0 55.4#



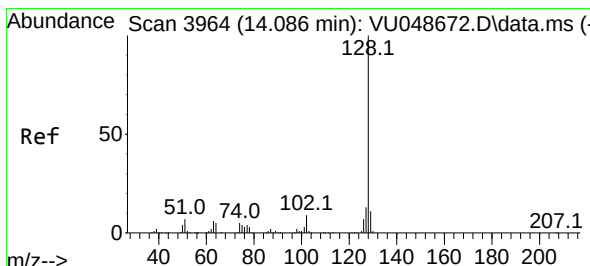
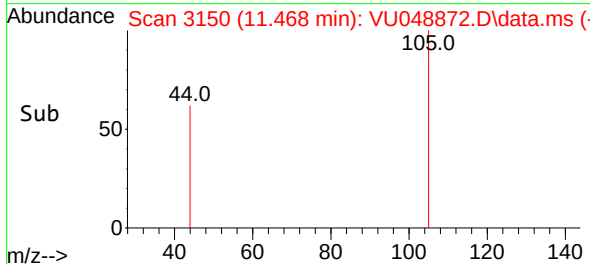
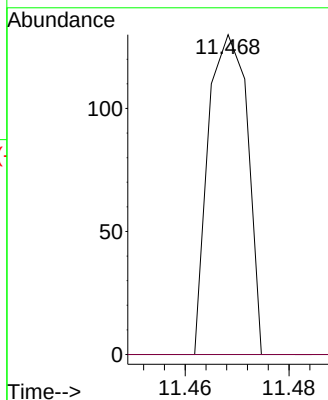
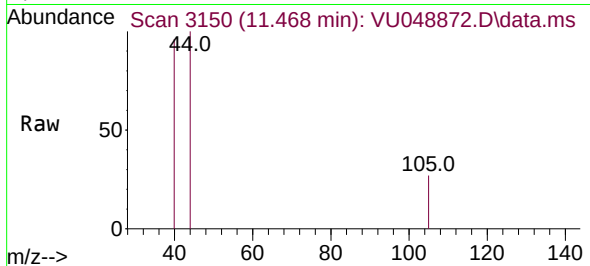




#84  
1,2,4-Trimethylbenzene  
Concen: 1.194 ug/l  
RT: 11.468 min Scan# 3150  
Delta R.T. 0.000 min  
Lab File: VU048872.D  
Acq: 03 Jun 2022 21:00

Instrument :  
MSVOA\_U  
ClientSampleId :  
57BR-20220531

Tgt Ion:105 Resp: 68  
Ion Ratio Lower Upper  
105 100  
120 0.0 22.5 67.5#



#95  
Naphthalene  
Concen: 2.596 ug/l  
RT: 14.111 min Scan# 3972  
Delta R.T. 0.025 min  
Lab File: VU048872.D  
Acq: 03 Jun 2022 21:00

Tgt Ion:128 Resp: 832  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.2 15.4#  
129 0.0 8.7 13.1#

