

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU060722\  
 Data File : VU048918.D  
 Acq On : 07 Jun 2022 18:34  
 Operator : SY/MD  
 Sample : N3165-20  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 44BR-20220601

Quant Time: Jun 08 04:55:28 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

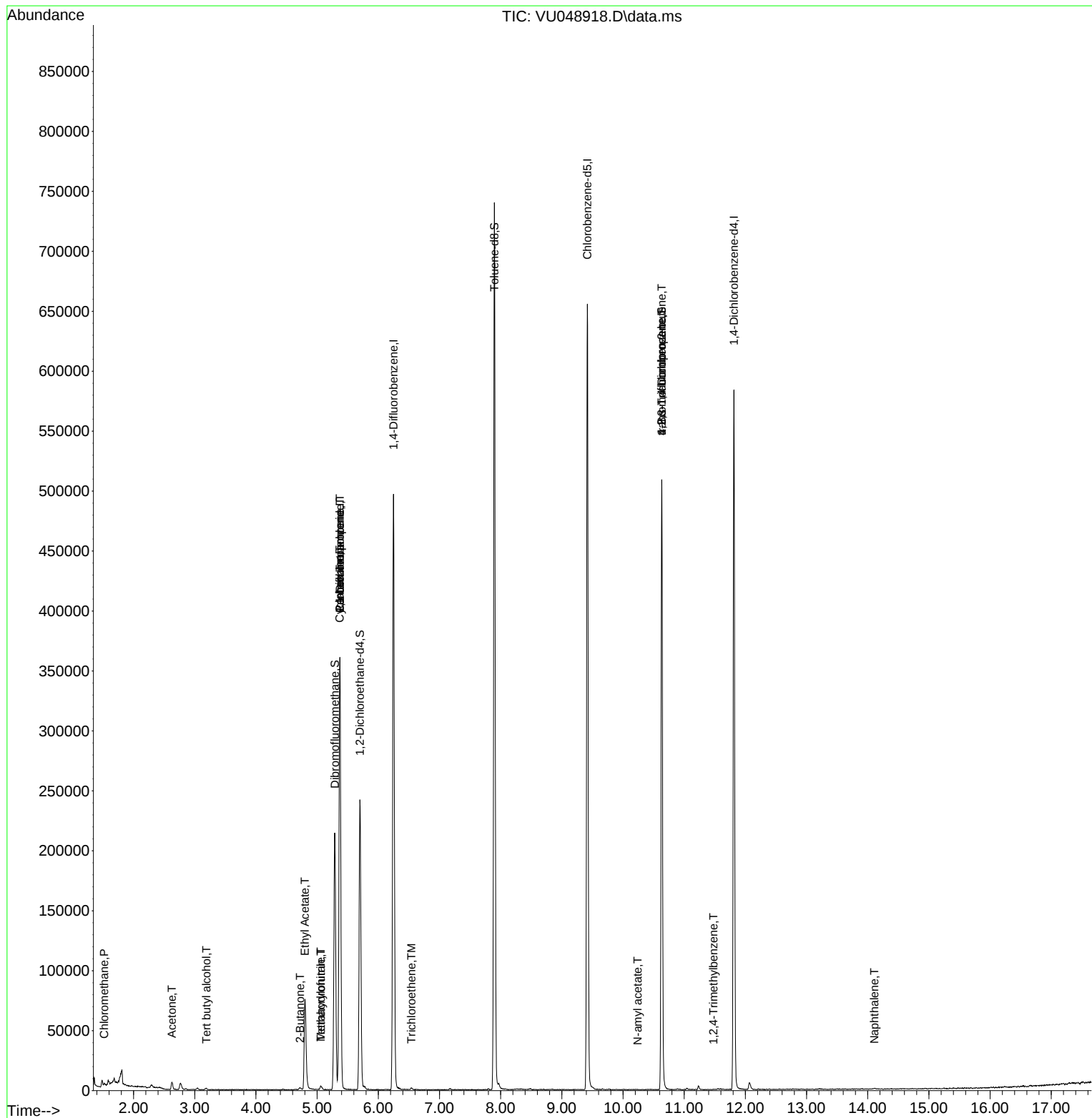
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.372  | 168   | 239372   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.250  | 114   | 395294   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 9.417  | 117   | 366601   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 157118   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.700  | 65    | 186113   | 51.771    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 103.540% |
| 35) Dibromofluoromethane      | 5.289  | 113   | 136641   | 48.452    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 96.900%  |
| 50) Toluene-d8                | 7.896  | 98    | 482688   | 47.748    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 95.500%  |
| 62) 4-Bromofluorobenzene      | 10.632 | 95    | 168469   | 44.065    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 88.140%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 1.520  | 50    | 999      | 0.283     | ug/l # | 67       |
| 5) Bromomethane               | 1.832  | 94    | 92       | Below Cal |        | 87       |
| 6) Chloroethane               | 1.980  | 64    | 274      | Below Cal | #      | 43       |
| 11) Tert butyl alcohol        | 3.189  | 59    | 1237     | 1.357     | ug/l # | 28       |
| 16) Acetone                   | 2.626  | 43    | 7286     | 3.977     | ug/l   | 94       |
| 25) 2-Butanone                | 4.719  | 43    | 3037     | 1.154     | ug/l   | 97       |
| 29) Tetrahydrofuran           | 5.060  | 42    | 1827     | 1.102     | ug/l   | 90       |
| 31) Cyclohexane               | 5.369  | 56    | 4944     | 1.091     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.372  | 75    | 19058    | 4.630     | ug/l # | 49       |
| 37) Ethyl Acetate             | 4.800  | 43    | 100354   | 19.287    | ug/l   | 99       |
| 38) Carbon Tetrachloride      | 5.372  | 117   | 25725    | 5.448     | ug/l # | 17       |
| 41) Methacrylonitrile         | 5.060  | 41    | 1035     | 0.394     | ug/l # | 46       |
| 44) Trichloroethene           | 6.543  | 130   | 636      | 0.203     | ug/l   | 68       |
| 74) N-amyl acetate            | 10.237 | 43    | 80       | 2.482     | ug/l # | 41       |
| 76) 1,2,3-Trichloropropane    | 10.632 | 75    | 88770    | 17.523    | ug/l # | 47       |
| 81) trans-1,4-Dichloro-2-b... | 10.632 | 75    | 88770    | 63.624    | ug/l # | 13       |
| 84) 1,2,4-Trimethylbenzene    | 11.478 | 105   | 74       | 1.195     | ug/l # | 31       |
| 95) Naphthalene               | 14.108 | 128   | 700      | 2.586     | ug/l # | 69       |
| -----                         |        |       |          |           |        |          |

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

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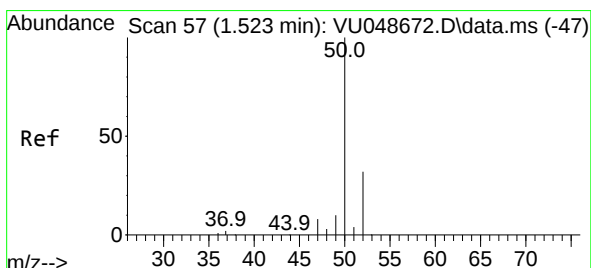
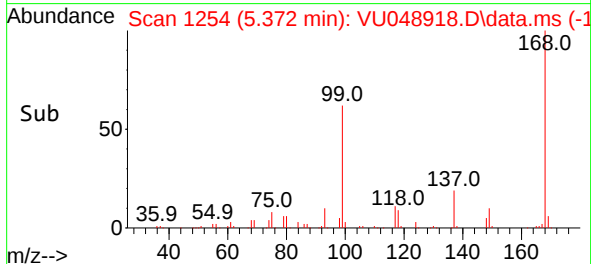
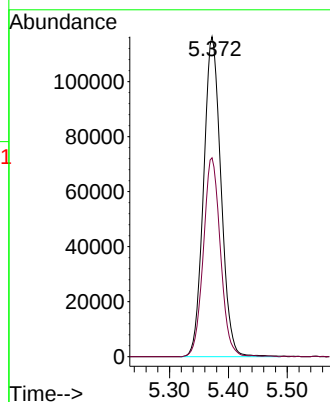
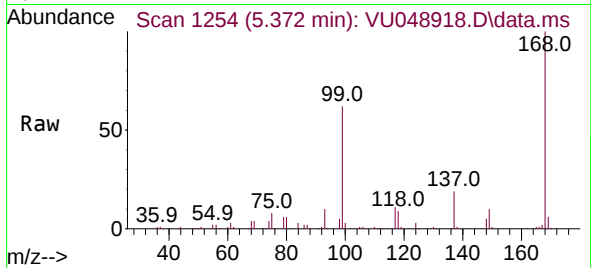




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.372 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU048918.D  
Acq: 07 Jun 2022 18:34

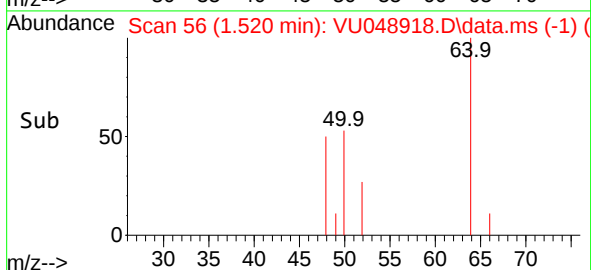
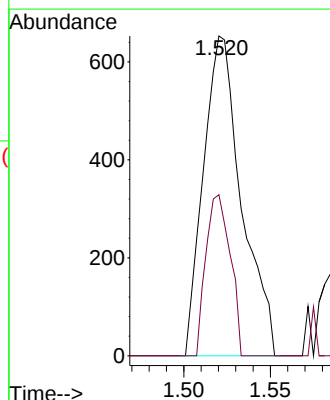
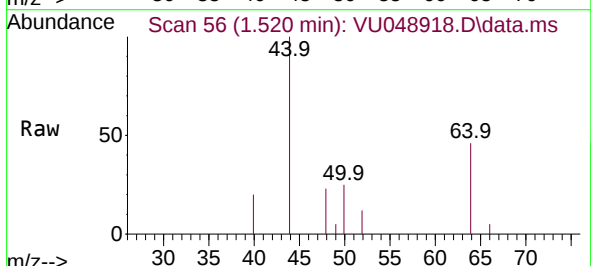
Instrument :  
MSVOA\_U  
ClientSampleId :  
44BR-20220601

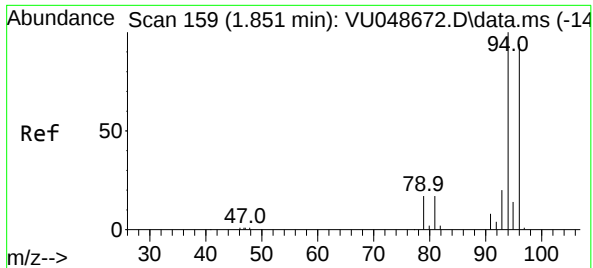
Tgt Ion:168 Resp: 239372  
Ion Ratio Lower Upper  
168 100  
99 62.1 49.3 73.9



#3  
Chloromethane  
Concen: 0.283 ug/l  
RT: 1.520 min Scan# 56  
Delta R.T. -0.003 min  
Lab File: VU048918.D  
Acq: 07 Jun 2022 18:34

Tgt Ion: 50 Resp: 999  
Ion Ratio Lower Upper  
50 100  
52 50.4 25.7 38.5#

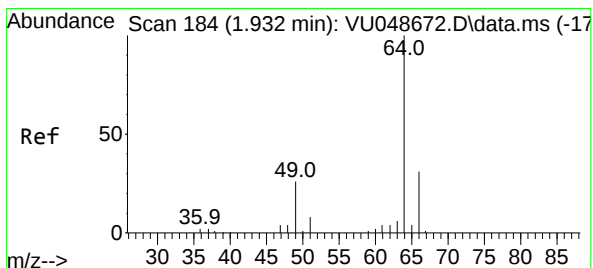
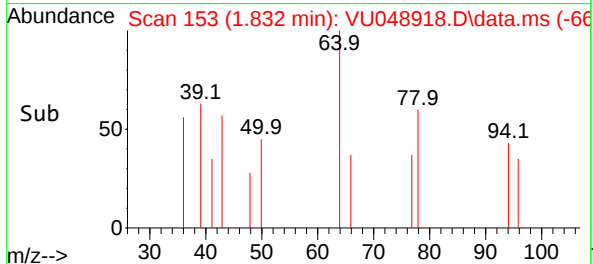
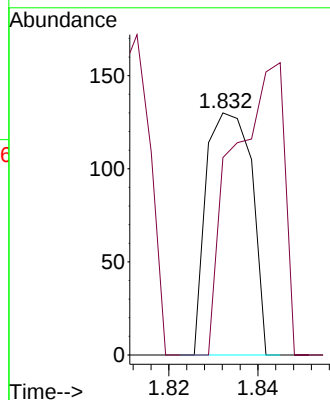
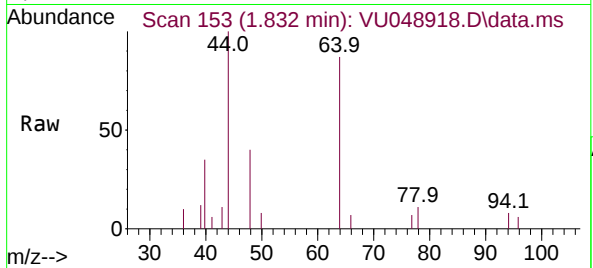




#5  
Bromomethane  
Concen: Below Cal  
RT: 1.832 min Scan# 11  
Delta R.T. -0.019 min  
Lab File: VU048918.D  
Acq: 07 Jun 2022 18:34

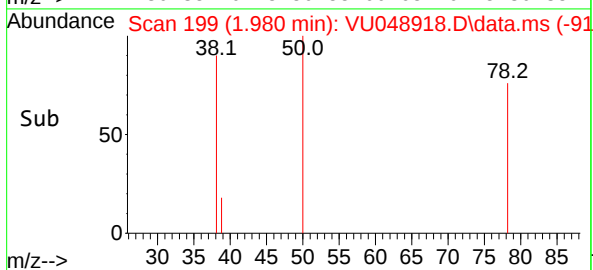
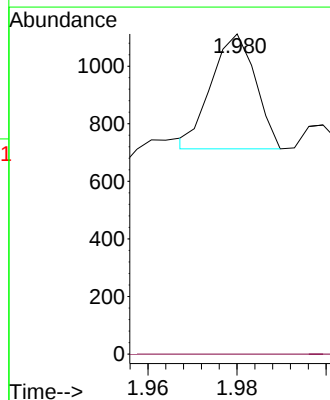
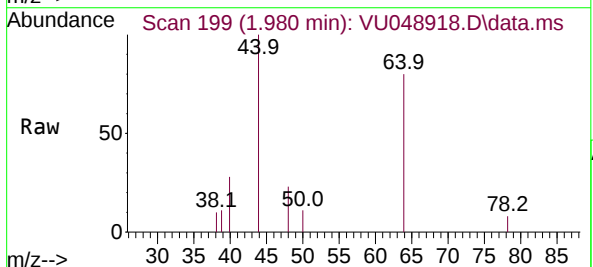
Instrument :  
MSVOA\_U  
ClientSampleId :  
44BR-20220601

Tgt Ion: 94 Resp: 92  
Ion Ratio Lower Upper  
94 100  
96 81.5 75.1 112.7



#6  
Chloroethane  
Concen: Below Cal  
RT: 1.980 min Scan# 199  
Delta R.T. 0.048 min  
Lab File: VU048918.D  
Acq: 07 Jun 2022 18:34

Tgt Ion: 64 Resp: 274  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.2 37.8#

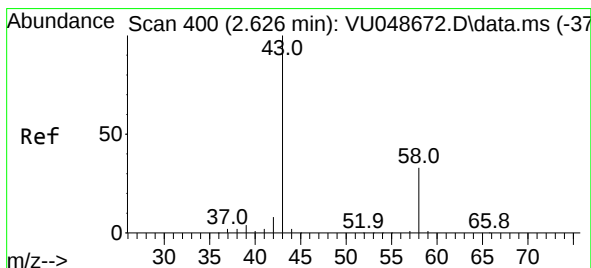
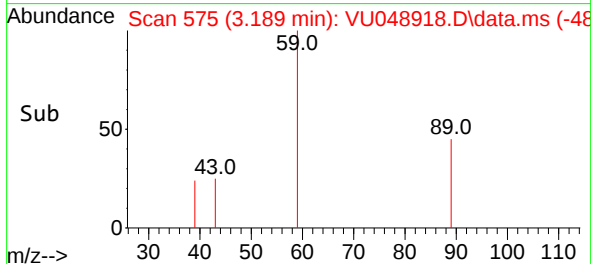
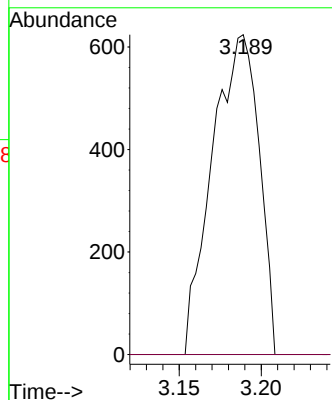
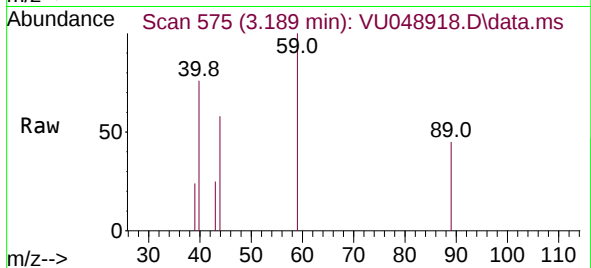




#11  
Tert butyl alcohol  
Concen: 1.357 ug/l  
RT: 3.189 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VU048918.D  
Acq: 07 Jun 2022 18:34

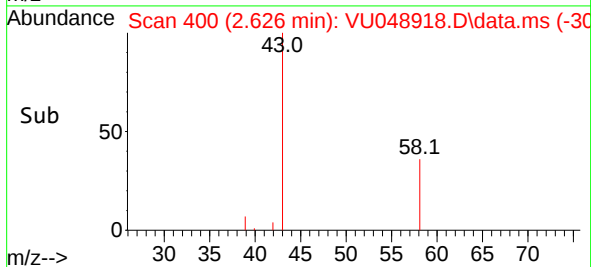
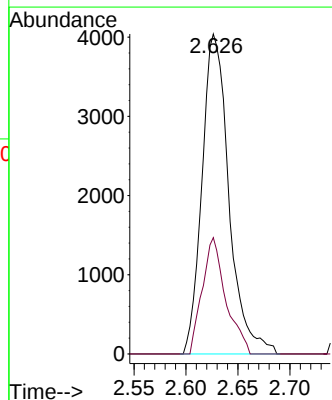
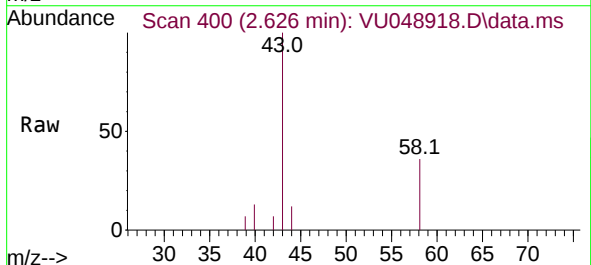
Instrument :  
MSVOA\_U  
ClientSampleId :  
44BR-20220601

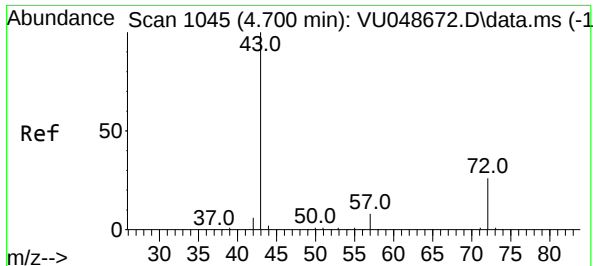
Tgt Ion: 59 Resp: 1237  
Ion Ratio Lower Upper  
59 100  
57 0.0 39.7 59.5#



#16  
Acetone  
Concen: 3.977 ug/l  
RT: 2.626 min Scan# 400  
Delta R.T. 0.000 min  
Lab File: VU048918.D  
Acq: 07 Jun 2022 18:34

Tgt Ion: 43 Resp: 7286  
Ion Ratio Lower Upper  
43 100  
58 36.4 26.3 39.5





#25

2-Butanone

Concen: 1.154 ug/l

RT: 4.719 min Scan# 110

Delta R.T. 0.019 min

Lab File: VU048918.D

Acq: 07 Jun 2022 18:34

Instrument :

MSVOA\_U

ClientSampleId :

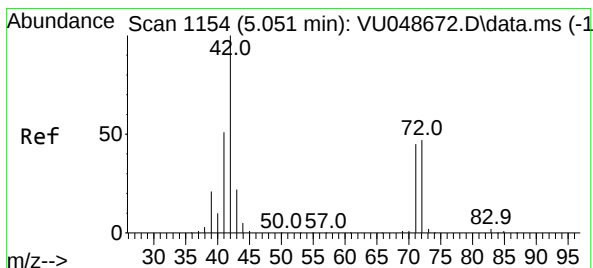
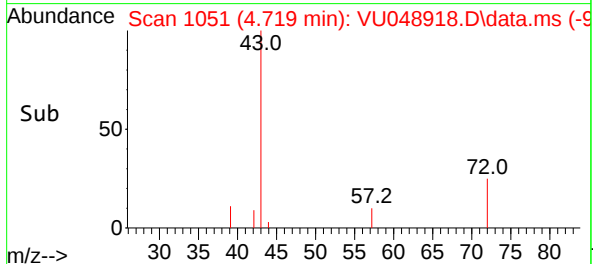
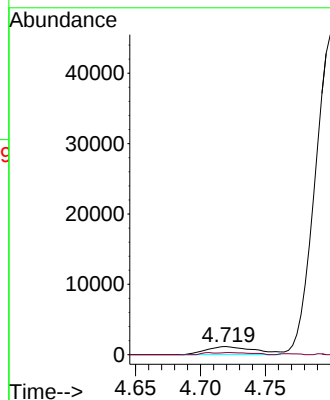
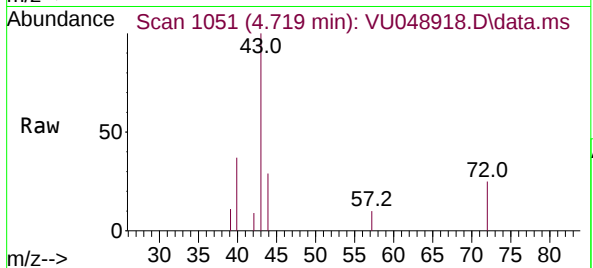
44BR-20220601

Tgt Ion: 43 Resp: 3037

Ion Ratio Lower Upper

43 100

72 25.0 21.1 31.7



#29

Tetrahydrofuran

Concen: 1.102 ug/l

RT: 5.060 min Scan# 1157

Delta R.T. 0.010 min

Lab File: VU048918.D

Acq: 07 Jun 2022 18:34

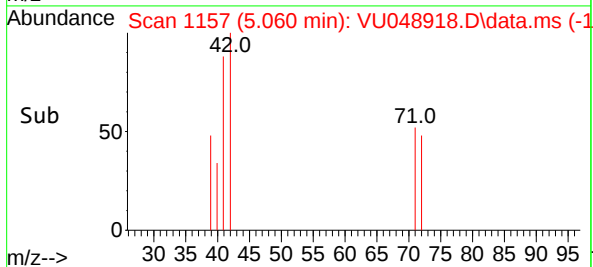
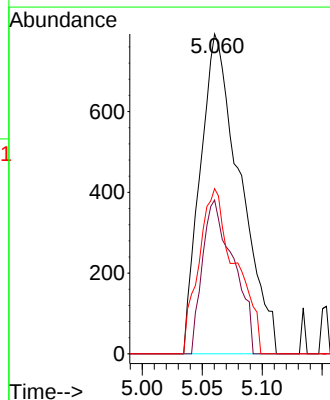
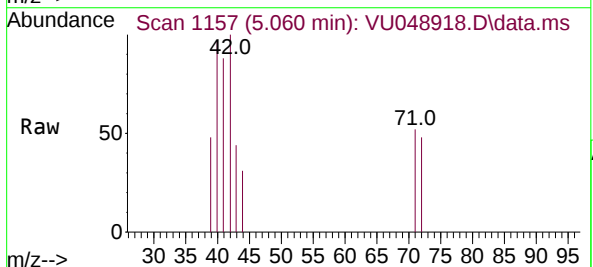
Tgt Ion: 42 Resp: 1827

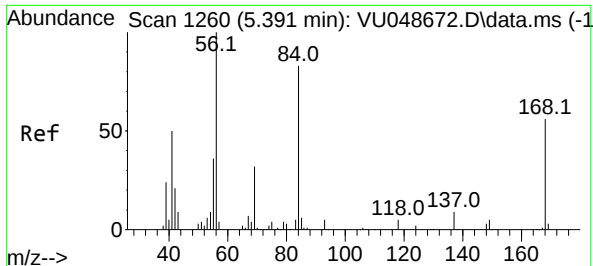
Ion Ratio Lower Upper

42 100

72 37.7 37.6 56.4

71 47.6 35.0 52.4

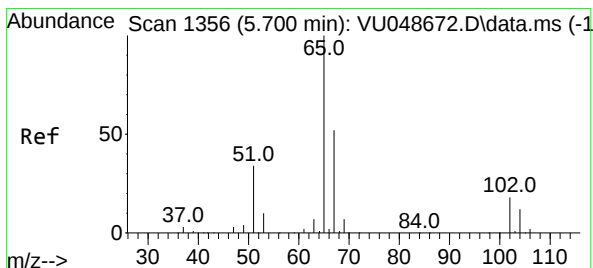
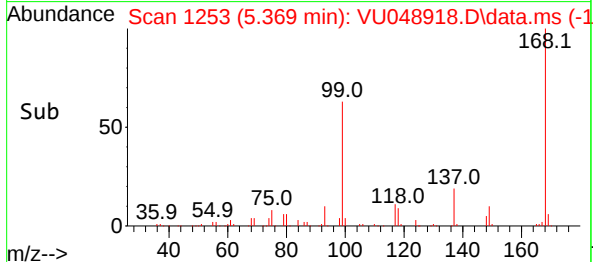
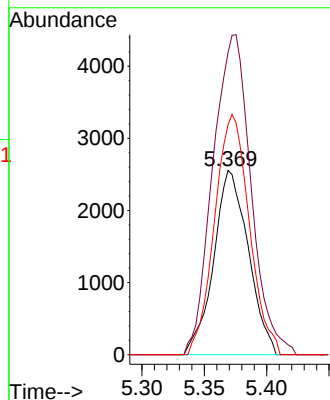
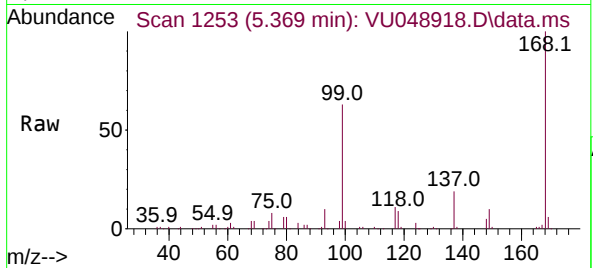




#31  
Cyclohexane  
Concen: 1.091 ug/l  
RT: 5.369 min Scan# 1253  
Delta R.T. -0.022 min  
Lab File: VU048918.D  
Acq: 07 Jun 2022 18:34

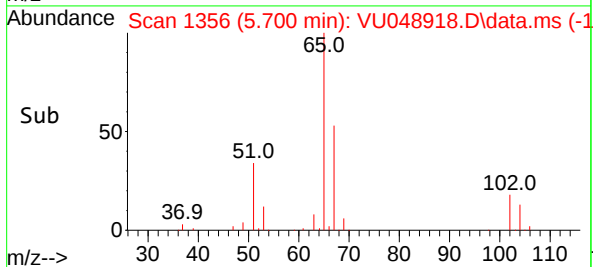
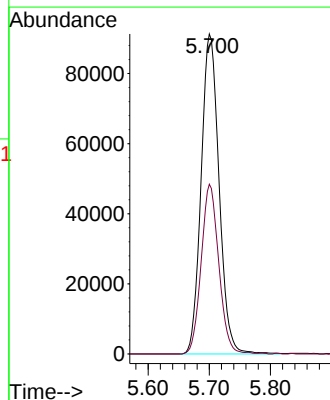
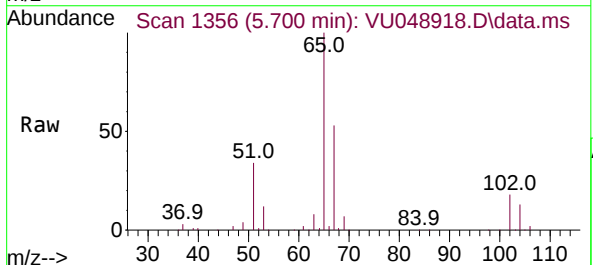
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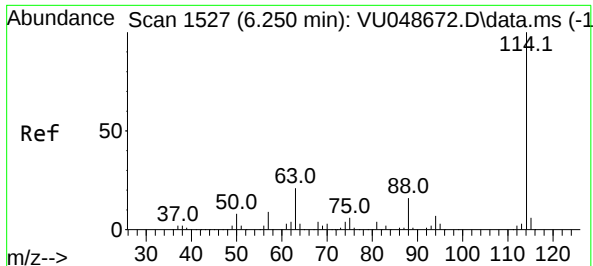
Tgt Ion: 56 Resp: 4944  
Ion Ratio Lower Upper  
56 100  
69 163.9 25.6 38.4#  
84 124.8 66.2 99.4#



#33  
1,2-Dichloroethane-d4  
Concen: 51.771 ug/l  
RT: 5.700 min Scan# 1356  
Delta R.T. 0.000 min  
Lab File: VU048918.D  
Acq: 07 Jun 2022 18:34

Tgt Ion: 65 Resp: 186113  
Ion Ratio Lower Upper  
65 100  
67 51.9 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: VU048918.D

Acq: 07 Jun 2022 18:34

Instrument :

MSVOA\_U

ClientSampleId :

44BR-20220601

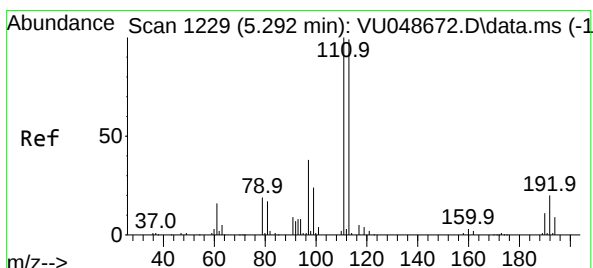
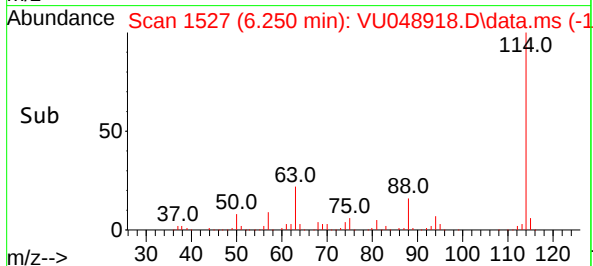
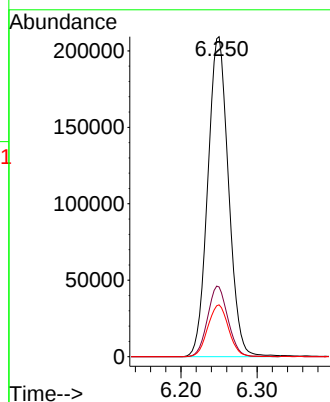
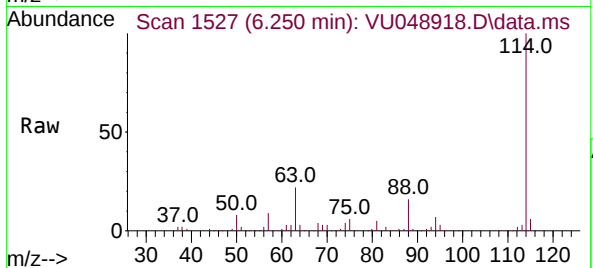
Tgt Ion:114 Resp: 395294

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.6

88 16.2 0.0 32.2



#35

Dibromofluoromethane

Concen: 48.452 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048918.D

Acq: 07 Jun 2022 18:34

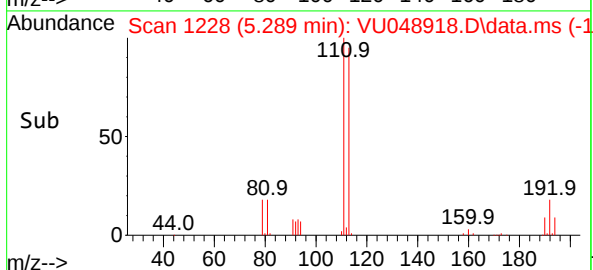
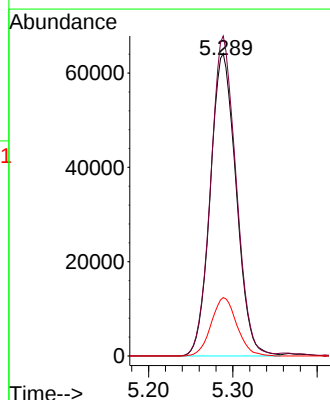
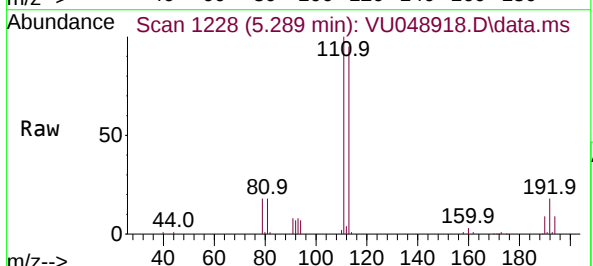
Tgt Ion:113 Resp: 136641

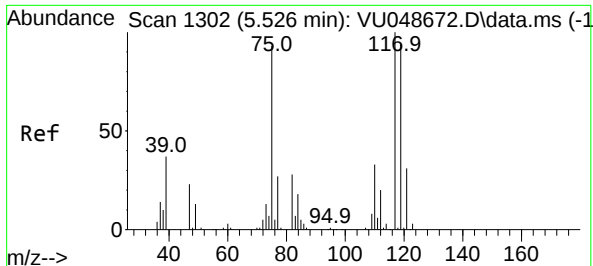
Ion Ratio Lower Upper

113 100

111 104.1 80.7 121.1

192 19.2 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.630 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU048918.D

Acq: 07 Jun 2022 18:34

Instrument :

MSVOA\_U

ClientSampleId :

44BR-20220601

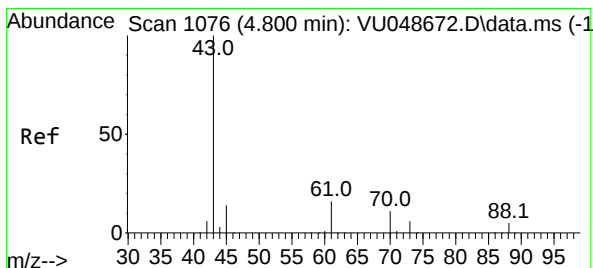
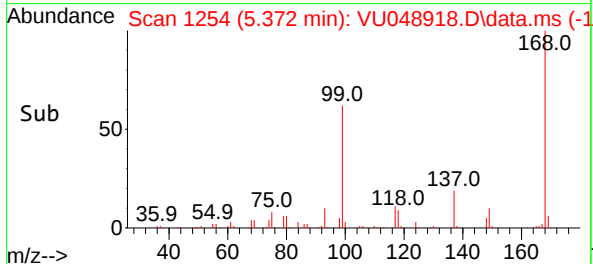
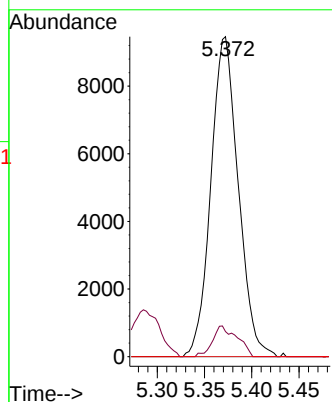
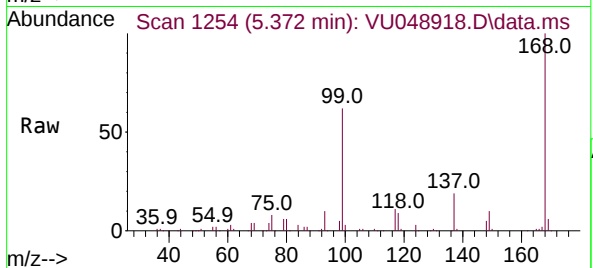
Tgt Ion: 75 Resp: 19058

Ion Ratio Lower Upper

75 100

110 8.6 17.4 52.3#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 19.287 ug/l

RT: 4.800 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VU048918.D

Acq: 07 Jun 2022 18:34

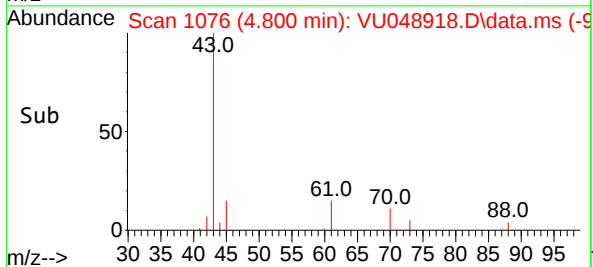
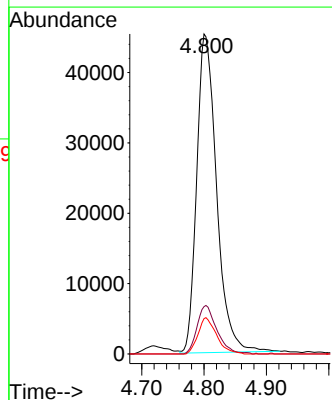
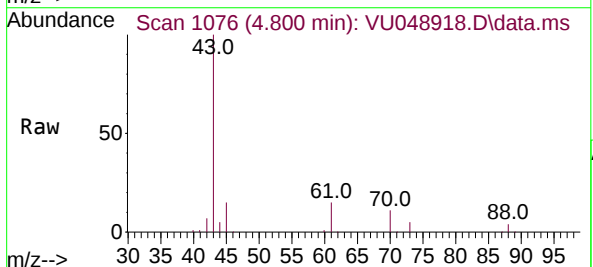
Tgt Ion: 43 Resp: 100354

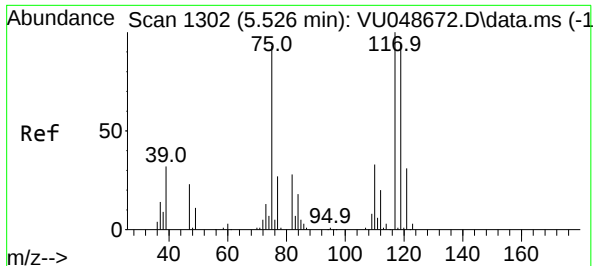
Ion Ratio Lower Upper

43 100

61 15.1 11.7 17.5

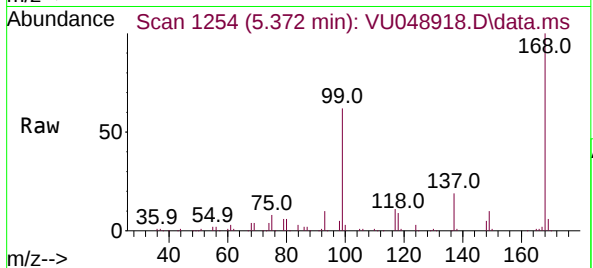
70 10.7 8.4 12.6



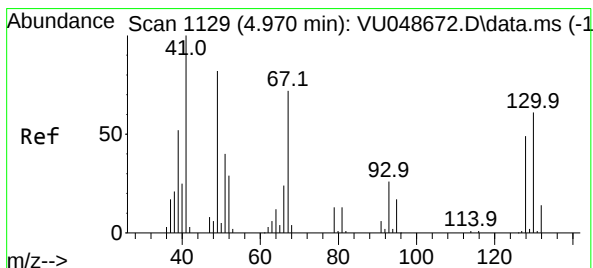
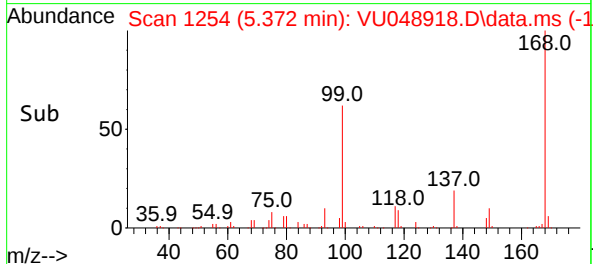
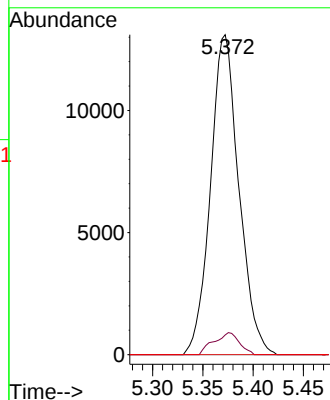


#38  
Carbon Tetrachloride  
Concen: 5.448 ug/l  
RT: 5.372 min Scan# 1157  
Delta R.T. -0.154 min  
Lab File: VU048918.D  
Acq: 07 Jun 2022 18:34

Instrument :  
MSVOA\_U  
ClientSampleId :  
44BR-20220601

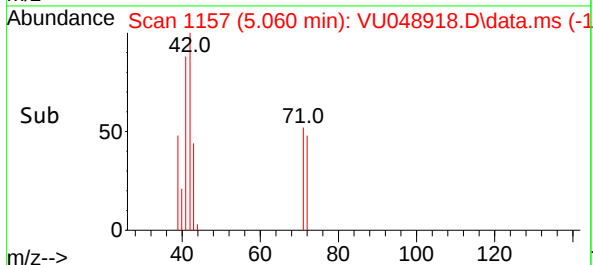
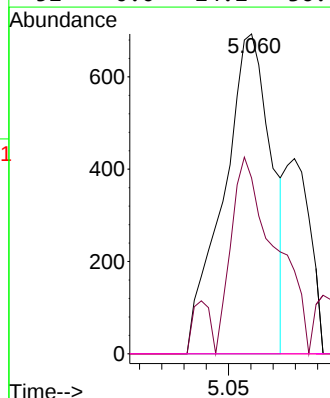
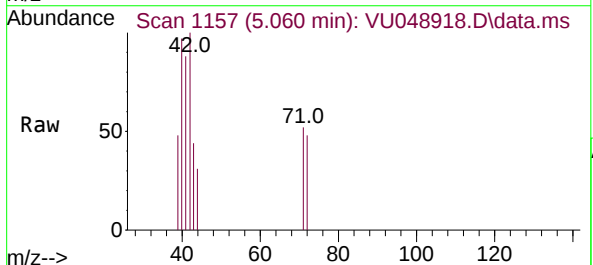


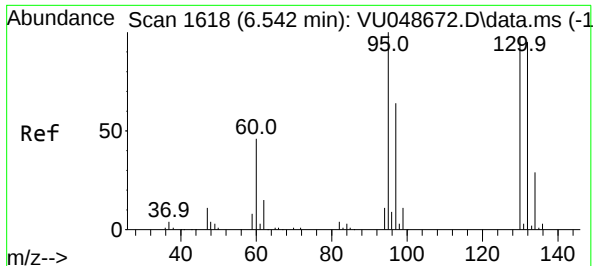
Tgt Ion:117 Resp: 25725  
Ion Ratio Lower Upper  
117 100  
119 6.2 75.4 113.2#  
121 0.0 24.6 36.8#



#41  
Methacrylonitrile  
Concen: 0.394 ug/l  
RT: 5.060 min Scan# 1157  
Delta R.T. 0.090 min  
Lab File: VU048918.D  
Acq: 07 Jun 2022 18:34

Tgt Ion: 41 Resp: 1035  
Ion Ratio Lower Upper  
41 100  
39 56.6 42.6 64.0  
67 0.0 61.0 91.4#  
52 0.0 24.2 36.4#

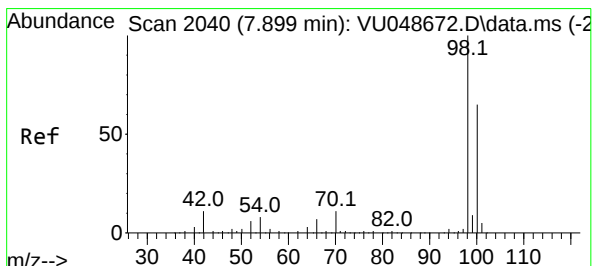
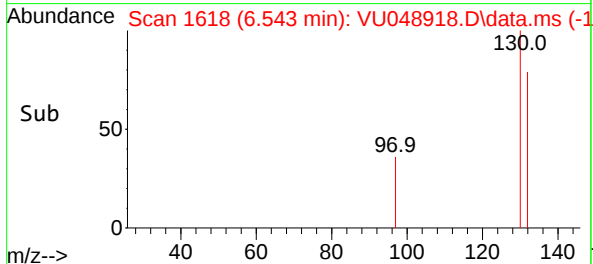
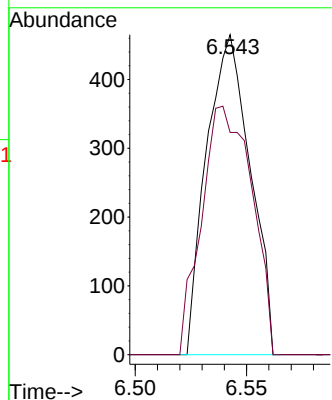
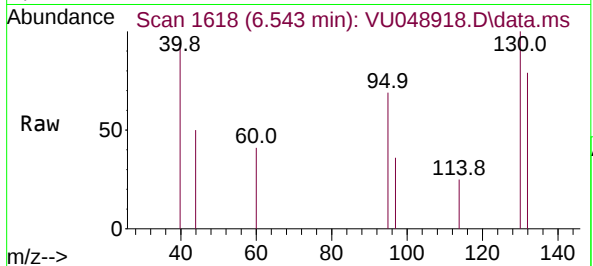




#44  
Trichloroethene  
Concen: 0.203 ug/l  
RT: 6.543 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU048918.D  
Acq: 07 Jun 2022 18:34

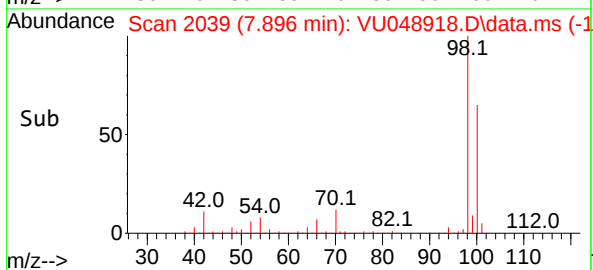
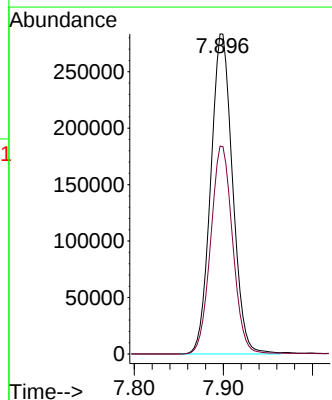
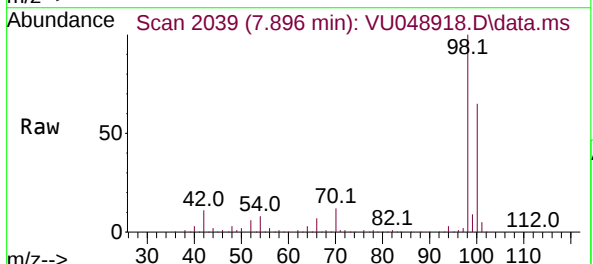
Instrument :  
MSVOA\_U  
ClientSampleId :  
44BR-20220601

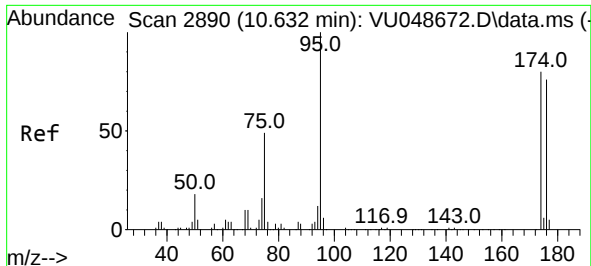
Tgt Ion:130 Resp: 636  
Ion Ratio Lower Upper  
130 100  
95 69.5 0.0 204.8



#50  
Toluene-d8  
Concen: 47.748 ug/l  
RT: 7.896 min Scan# 2039  
Delta R.T. -0.003 min  
Lab File: VU048918.D  
Acq: 07 Jun 2022 18:34

Tgt Ion: 98 Resp: 482688  
Ion Ratio Lower Upper  
98 100  
100 65.6 52.2 78.4

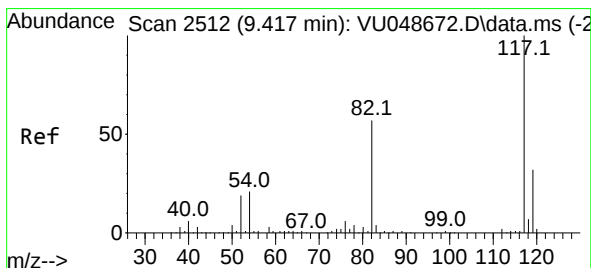
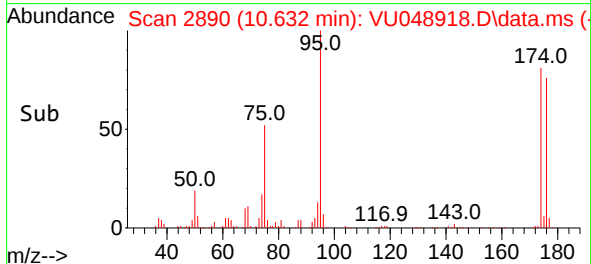
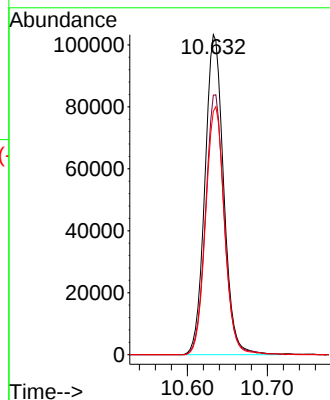
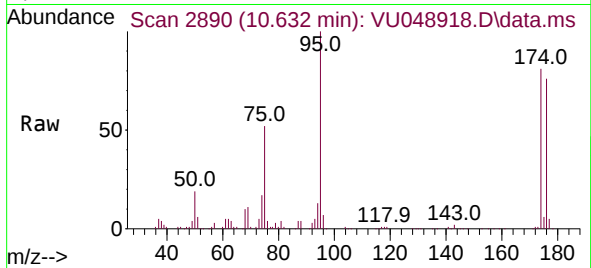




#62  
4-Bromofluorobenzene  
Concen: 44.065 ug/l  
RT: 10.632 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU048918.D  
Acq: 07 Jun 2022 18:34

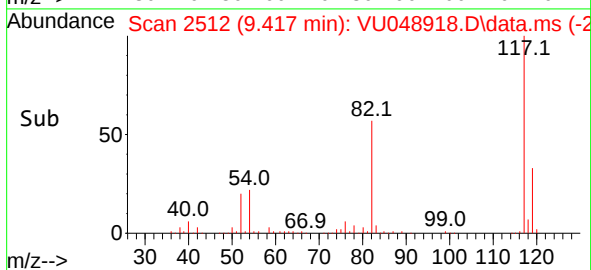
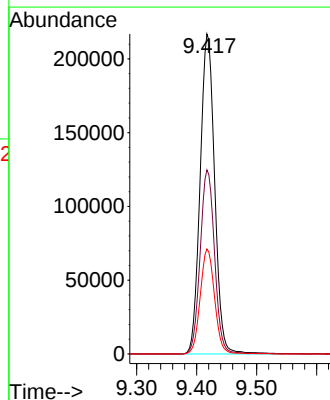
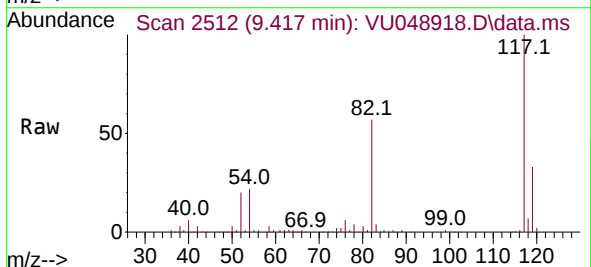
Instrument :  
MSVOA\_U  
ClientSampleId :  
44BR-20220601

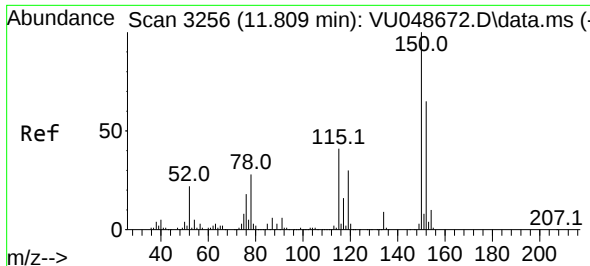
Tgt Ion: 95 Resp: 168469  
Ion Ratio Lower Upper  
95 100  
174 81.3 0.0 159.4  
176 78.0 0.0 152.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.417 min Scan# 2512  
Delta R.T. 0.000 min  
Lab File: VU048918.D  
Acq: 07 Jun 2022 18:34

Tgt Ion: 117 Resp: 366601  
Ion Ratio Lower Upper  
117 100  
82 57.5 45.3 67.9  
119 32.8 25.4 38.2

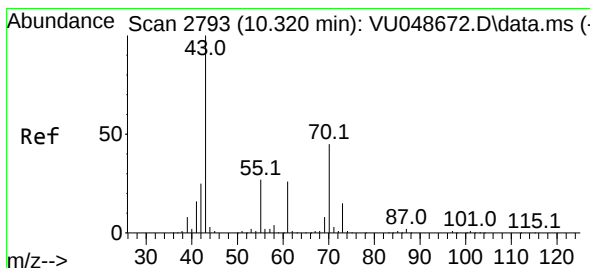
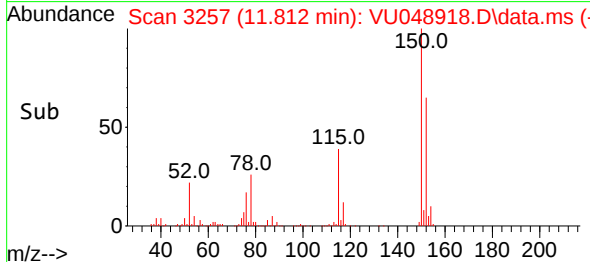
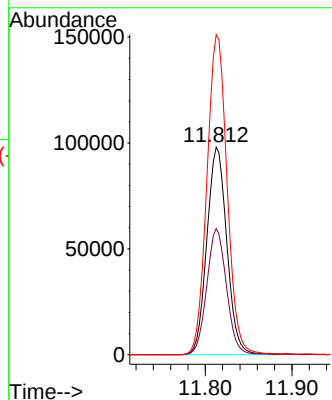
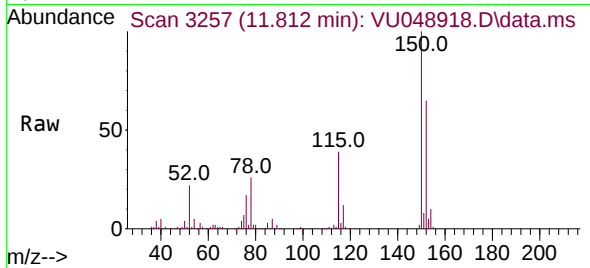




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.812 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU048918.D  
Acq: 07 Jun 2022 18:34

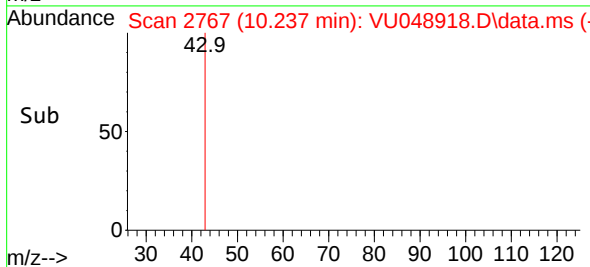
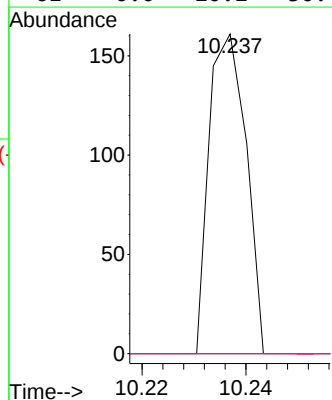
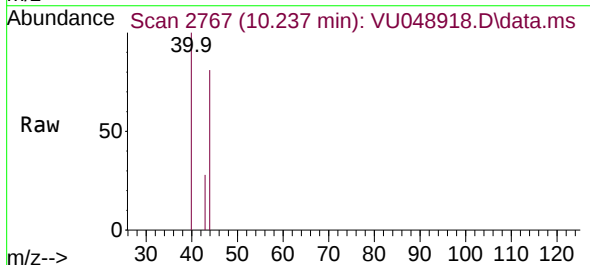
Instrument :  
MSVOA\_U  
ClientSampleId :  
44BR-20220601

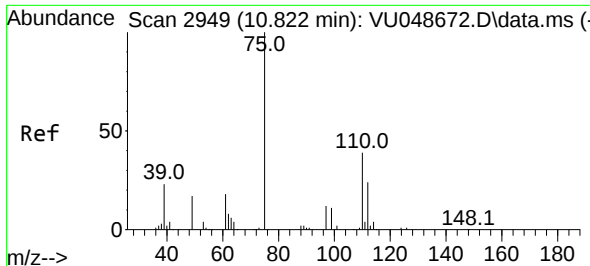
Tgt Ion:152 Resp: 157118  
Ion Ratio Lower Upper  
152 100  
115 60.0 41.8 125.4  
150 156.0 0.0 341.0



#74  
N-ethyl acetate  
Concen: 2.482 ug/l  
RT: 10.237 min Scan# 2767  
Delta R.T. -0.083 min  
Lab File: VU048918.D  
Acq: 07 Jun 2022 18:34

Tgt Ion: 43 Resp: 80  
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#

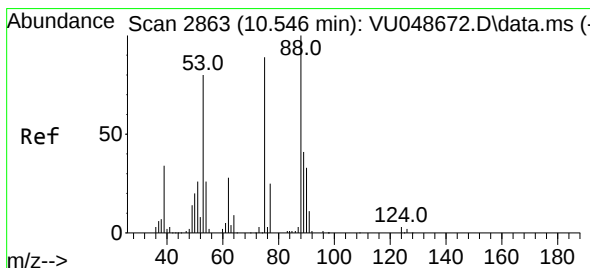
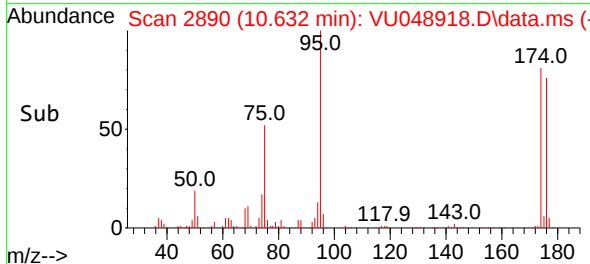
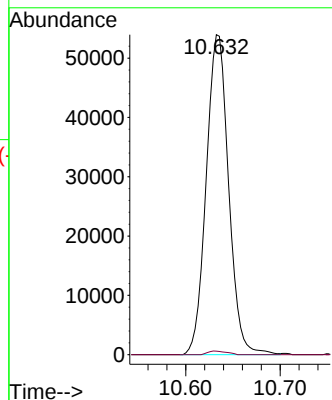
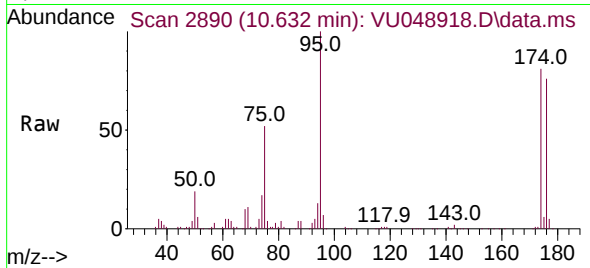




#76  
1,2,3-Trichloropropane  
Concen: 17.523 ug/l  
RT: 10.632 min Scan# 2890  
Delta R.T. -0.190 min  
Lab File: VU048918.D  
Acq: 07 Jun 2022 18:34

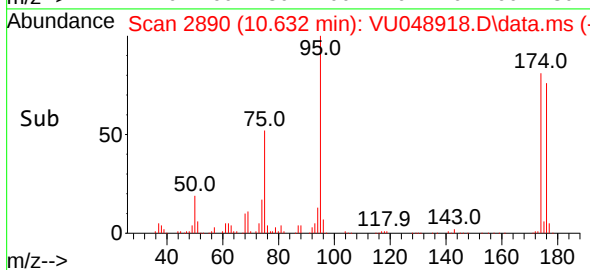
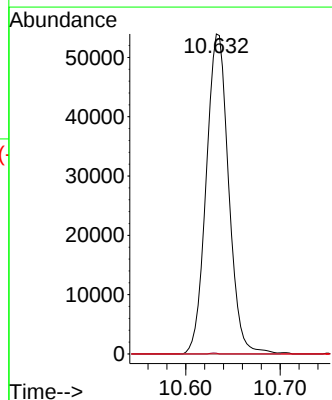
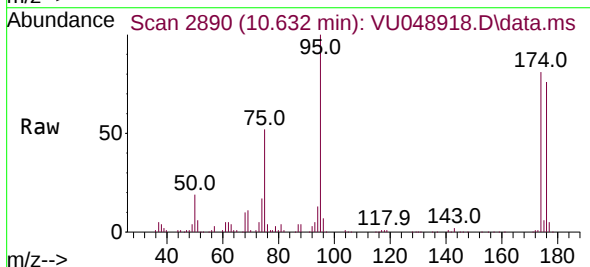
Instrument :  
MSVOA\_U  
ClientSampleId :  
44BR-20220601

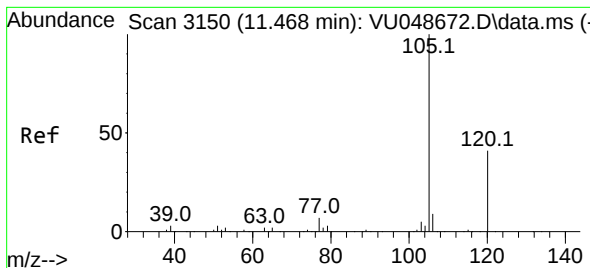
Tgt Ion: 75 Resp: 88770  
Ion Ratio Lower Upper  
75 100  
77 1.0 14.8 44.3#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 63.624 ug/l  
RT: 10.632 min Scan# 2890  
Delta R.T. 0.087 min  
Lab File: VU048918.D  
Acq: 07 Jun 2022 18:34

Tgt Ion: 75 Resp: 88770  
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: 1.195 ug/l

RT: 11.478 min Scan# 3153

Delta R.T. 0.010 min

Lab File: VU048918.D

Acq: 07 Jun 2022 18:34

Instrument :

MSVOA\_U

ClientSampleId :

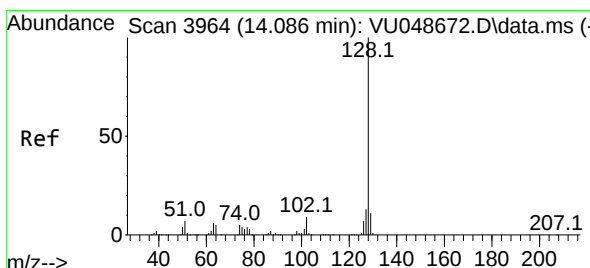
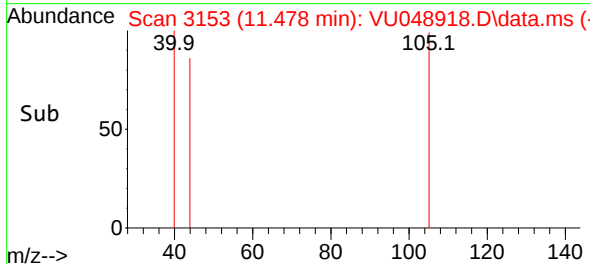
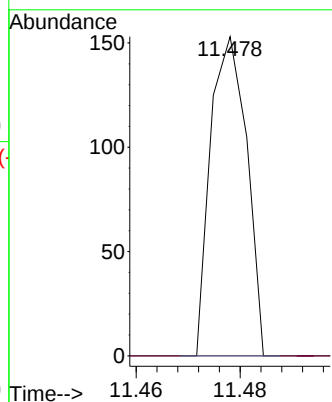
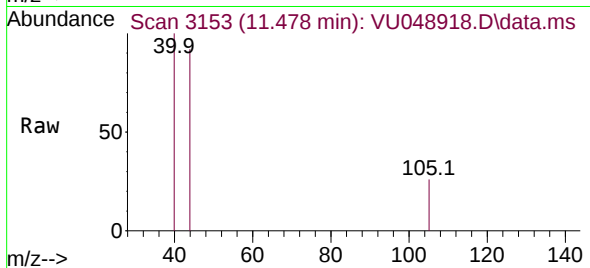
44BR-20220601

Tgt Ion:105 Resp: 74

Ion Ratio Lower Upper

105 100

120 0.0 22.5 67.5#



#95

Naphthalene

Concen: 2.586 ug/l

RT: 14.108 min Scan# 3971

Delta R.T. 0.022 min

Lab File: VU048918.D

Acq: 07 Jun 2022 18:34

Tgt Ion:128 Resp: 700

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.7 13.1#

