

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082124\  
 Data File : VY019177.D  
 Acq On : 21 Aug 2024 18:18  
 Operator : SY/MD  
 Sample : P3643-05  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 14 Sample Multiplier: 1

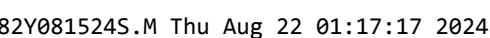
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Aug 22 01:17:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081524S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 16 05:10:30 2024  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.701     | 168   | 97585    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.610     | 114   | 166078   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.414    | 117   | 143199   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.347    | 152   | 54165    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.055     | 65    | 49754    | 50.862    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 101.720% |          |
| 35) Dibromofluoromethane      | 7.622     | 113   | 53276    | 49.061    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 98.120%  |          |
| 50) Toluene-d8                | 10.103    | 98    | 185702   | 47.520    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery  | = 95.040%  |          |
| 62) 4-Bromofluorobenzene      | 12.408    | 95    | 57328    | 43.033    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 29 - 146 | Recovery  | = 86.060%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 5) Bromomethane               | 2.598     | 94    | 241      | Below Cal | #          | 59       |
| 6) Chloroethane               | 2.647     | 64    | 38       | Below Cal | #          | 42       |
| 11) Tert butyl alcohol        | 4.811     | 59    | 899      | Below Cal | #          | 88       |
| 16) Acetone                   | 3.860     | 43    | 11191    | 61.688    | ug/l #     | 83       |
| 20) Methylene Chloride        | 4.604     | 84    | 3553     | Below Cal |            | 91       |
| 25) 2-Butanone                | 6.878     | 43    | 4228     | 14.472    | ug/l #     | 84       |
| 31) Cyclohexane               | 7.689     | 56    | 2014     | Below Cal | #          | 54       |
| 36) 1,1-Dichloropropene       | 7.695     | 75    | 7323     | 4.911     | ug/l #     | 49       |
| 37) Ethyl Acetate             | 6.878     | 43    | 4228     | 6.400     | ug/l #     | 71       |
| 38) Carbon Tetrachloride      | 7.701     | 117   | 9886     | 5.721     | ug/l #     | 17       |
| 76) 1,2,3-Trichloropropane    | 12.408    | 75    | 30297    | 56.718    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408    | 75    | 30297    | 140.075   | ug/l #     | 16       |
| -----                         |           |       |          |           |            |          |

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

Quant Time: Aug 22 01:17:07 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081524S.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 16 05:10:30 2024  
Response via : Initial Calibration

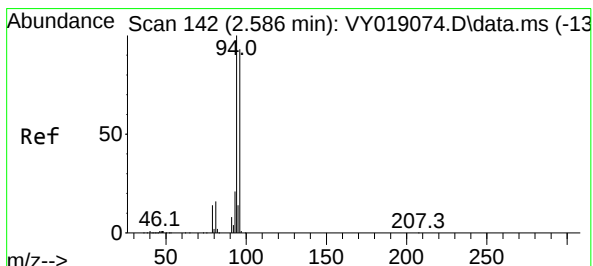
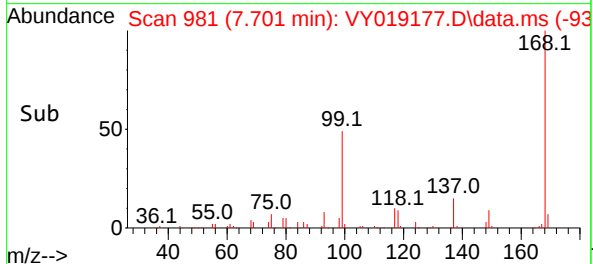
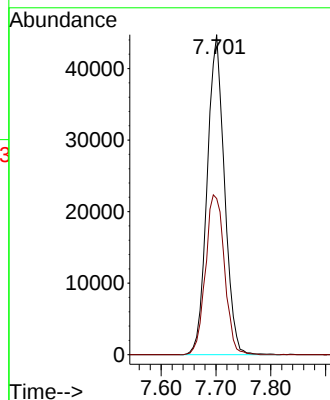
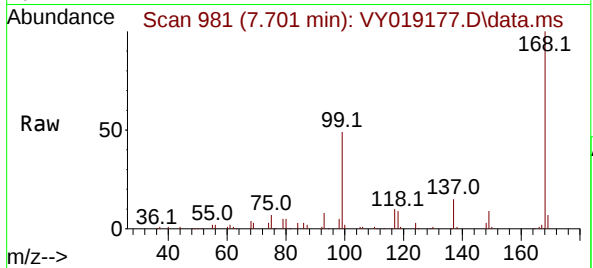




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY019177.D  
Acq: 21 Aug 2024 18:18

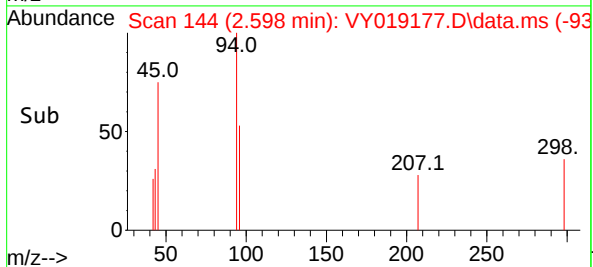
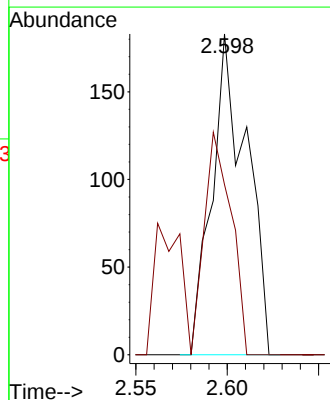
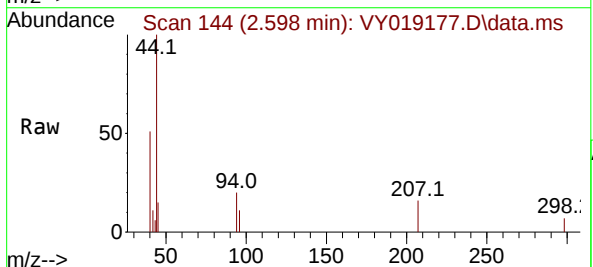
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:168 Resp: 97585  
Ion Ratio Lower Upper  
168 100  
99 48.8 39.1 58.7



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.598 min Scan# 144  
Delta R.T. 0.012 min  
Lab File: VY019177.D  
Acq: 21 Aug 2024 18:18

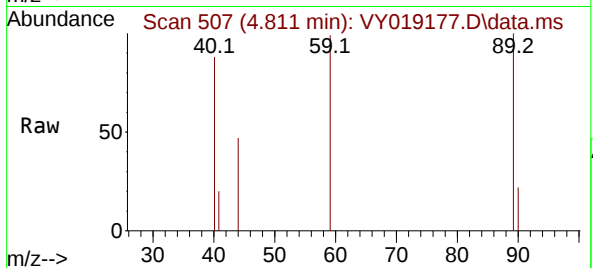
Tgt Ion: 94 Resp: 241  
Ion Ratio Lower Upper  
94 100  
96 53.0 74.1 111.1#



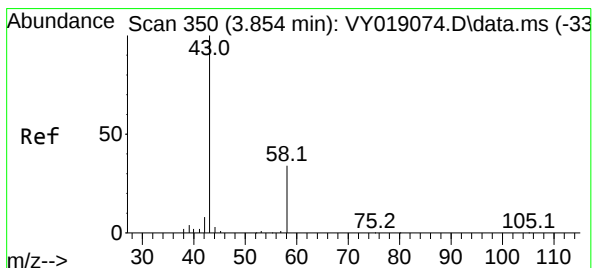
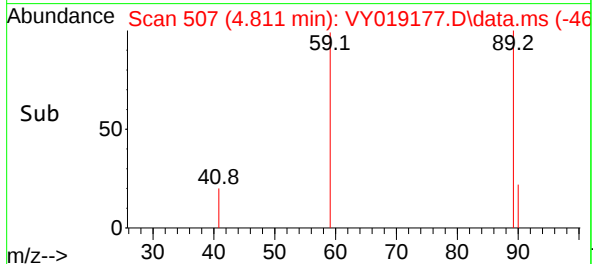
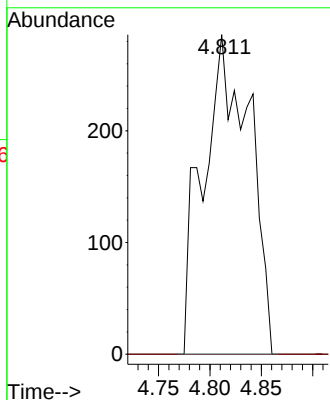


#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.811 min Scan# 507  
Delta R.T. -0.031 min  
Lab File: VY019177.D  
Acq: 21 Aug 2024 18:18

Instrument :  
MSVOA\_Y  
ClientSampleId :

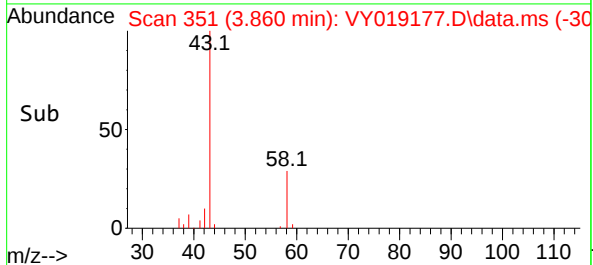
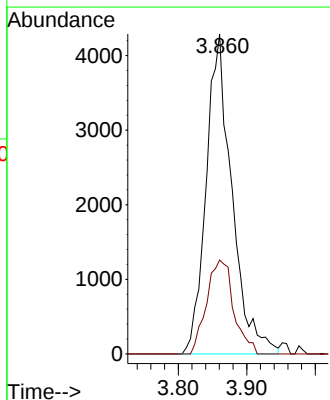
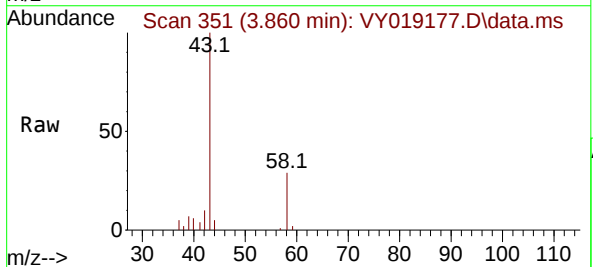


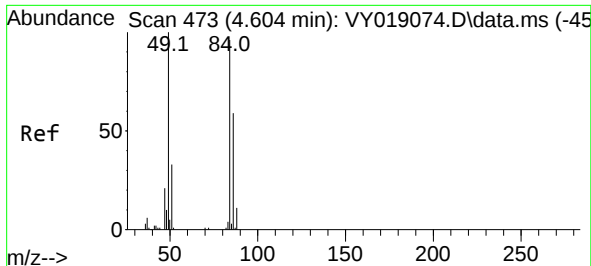
Tgt Ion: 59 Resp: 899  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.6#



#16  
Acetone  
Concen: 61.688 ug/l  
RT: 3.860 min Scan# 351  
Delta R.T. 0.006 min  
Lab File: VY019177.D  
Acq: 21 Aug 2024 18:18

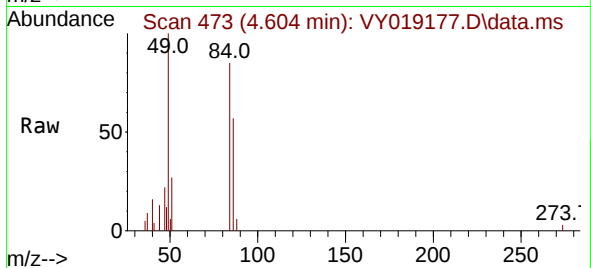
Tgt Ion: 43 Resp: 11191  
Ion Ratio Lower Upper  
43 100  
58 29.3 31.7 47.5#



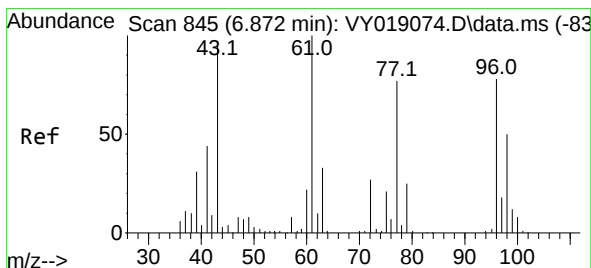
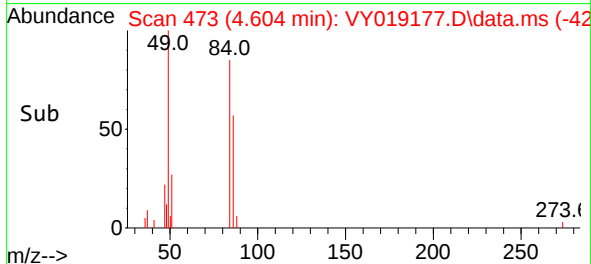
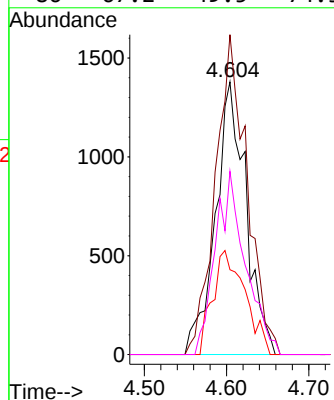


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.604 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY019177.D  
Acq: 21 Aug 2024 18:18

Instrument :  
MSVOA\_Y  
ClientSampleId :

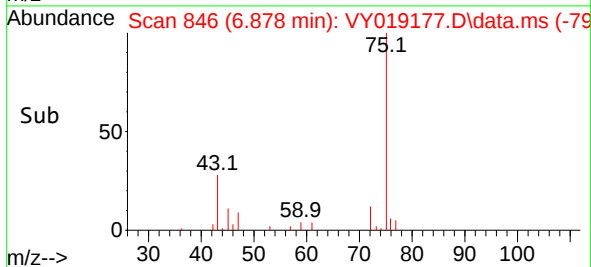
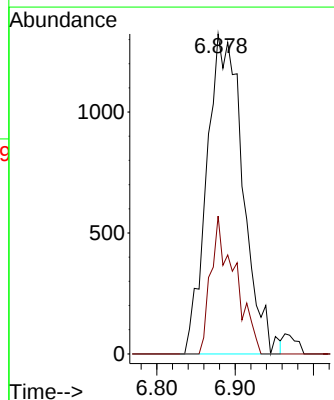
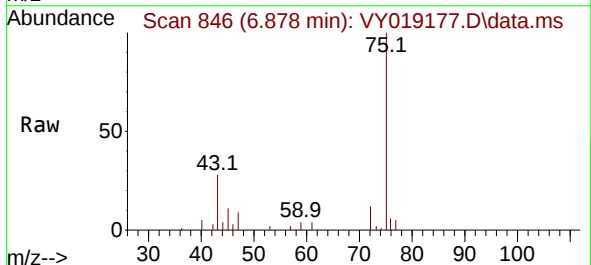


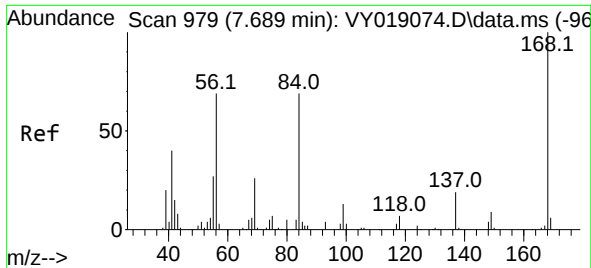
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 3553  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 117.3 | 84.4  | 126.6 |
| 51       | 31.1  | 26.0  | 39.0  |
| 86       | 67.2  | 49.5  | 74.3  |



#25  
2-Butanone  
Concen: 14.472 ug/l  
RT: 6.878 min Scan# 846  
Delta R.T. 0.006 min  
Lab File: VY019177.D  
Acq: 21 Aug 2024 18:18

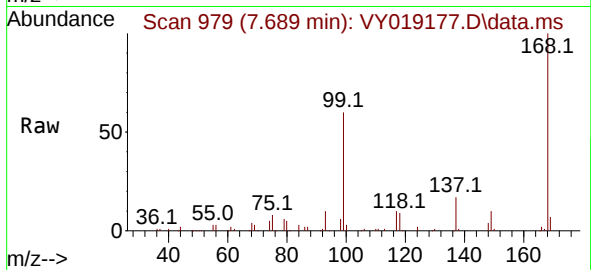
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 4228  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 43.1  | 27.3  | 40.9# |



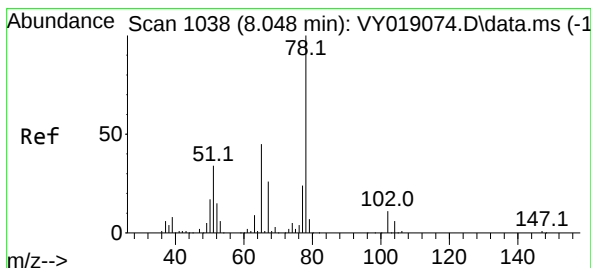
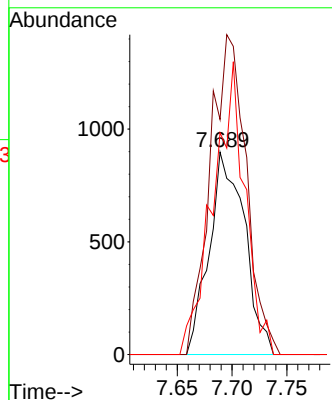
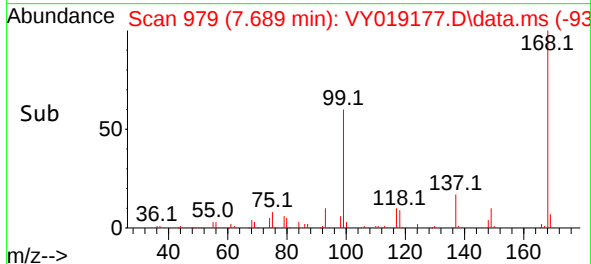


#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.689 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019177.D  
Acq: 21 Aug 2024 18:18

Instrument :  
MSVOA\_Y  
ClientSampleId :

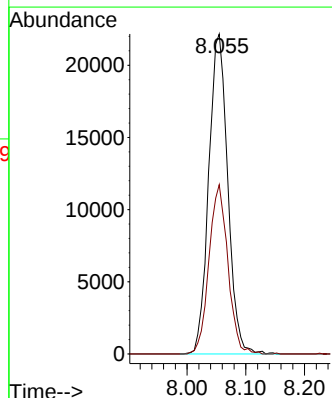
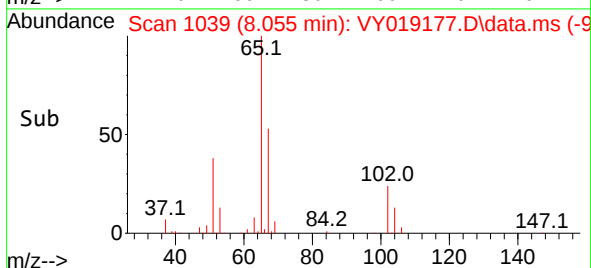
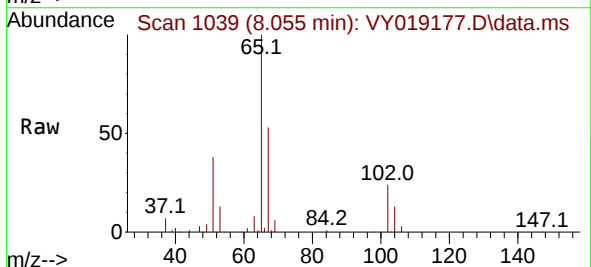


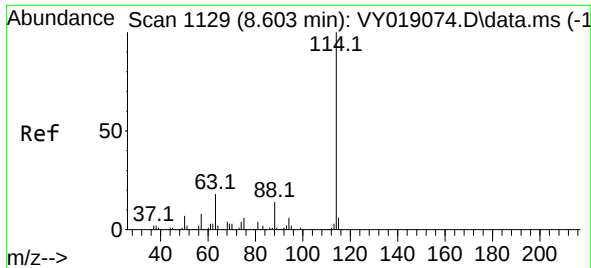
Tgt Ion: 56 Resp: 2014  
Ion Ratio Lower Upper  
56 100  
69 116.1 28.7 43.1#  
84 109.6 77.7 116.5



#33  
1,2-Dichloroethane-d4  
Concen: 50.862 ug/l  
RT: 8.055 min Scan# 1039  
Delta R.T. 0.006 min  
Lab File: VY019177.D  
Acq: 21 Aug 2024 18:18

Tgt Ion: 65 Resp: 49754  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 109.6

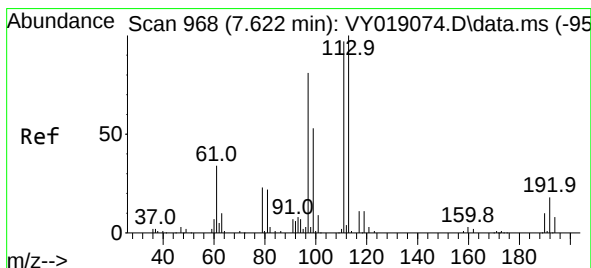
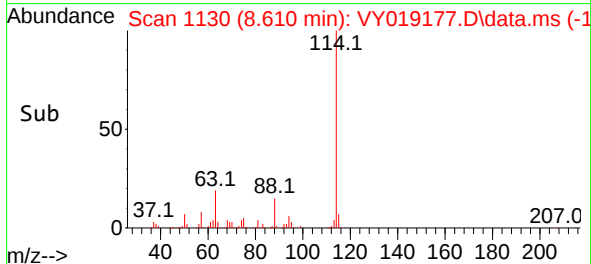
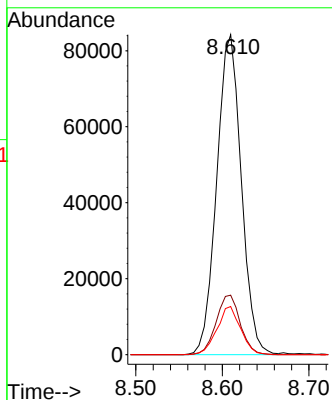
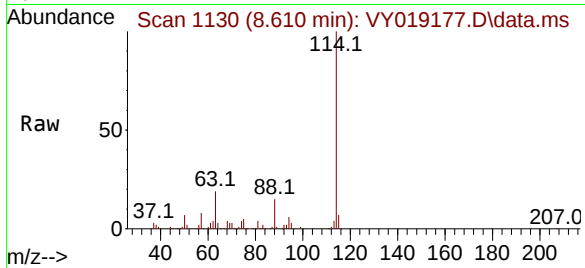




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.610 min Scan# 1129  
Delta R.T. 0.006 min  
Lab File: VY019177.D  
Acq: 21 Aug 2024 18:18

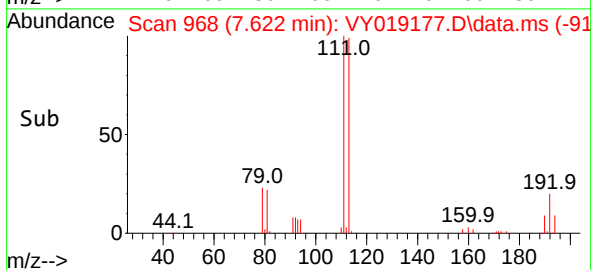
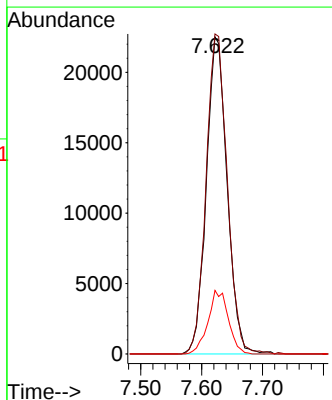
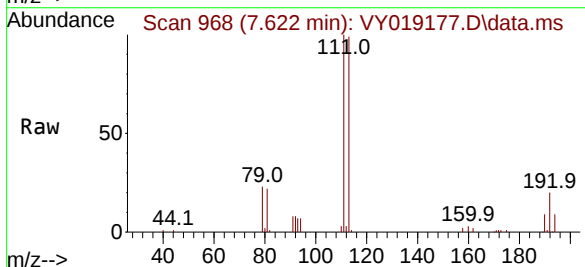
Instrument :  
MSVOA\_Y  
ClientSampleId :

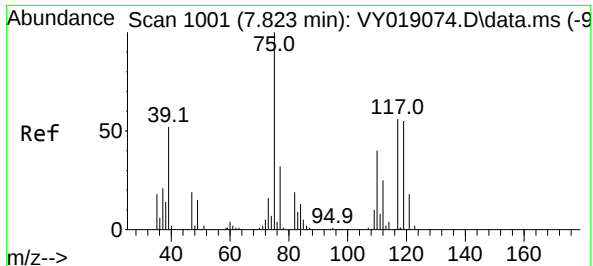
Tgt Ion:114 Resp: 166078  
Ion Ratio Lower Upper  
114 100  
63 18.6 0.0 35.0  
88 15.0 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 49.061 ug/l  
RT: 7.622 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: VY019177.D  
Acq: 21 Aug 2024 18:18

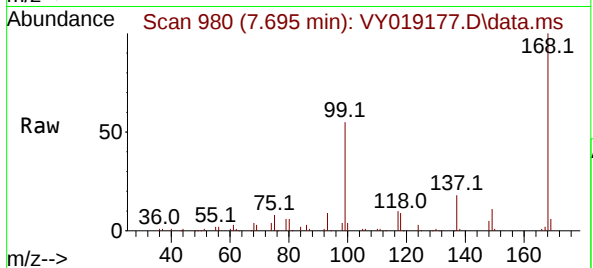
Tgt Ion:113 Resp: 53276  
Ion Ratio Lower Upper  
113 100  
111 102.6 82.2 123.4  
192 19.7 15.9 23.9



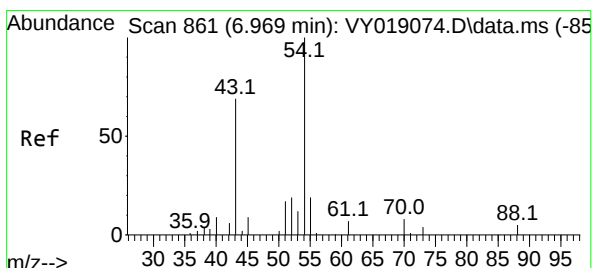
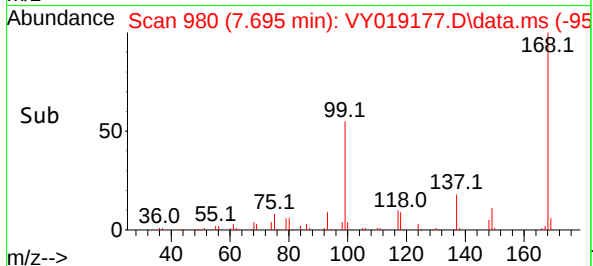
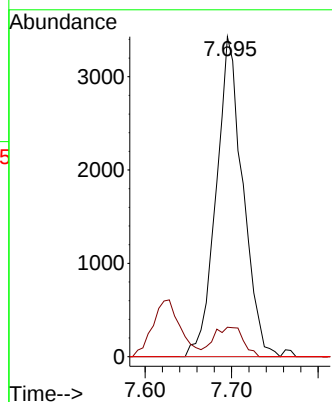


#36  
1,1-Dichloropropene  
Concen: 4.911 ug/l  
RT: 7.695 min Scan# 91  
Delta R.T. -0.128 min  
Lab File: VY019177.D  
Acq: 21 Aug 2024 18:18

Instrument :  
MSVOA\_Y  
ClientSampleId :

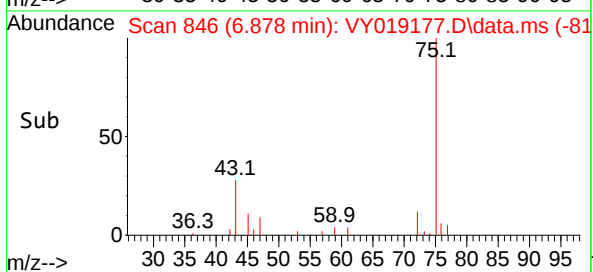
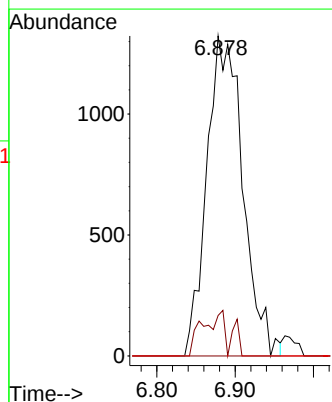
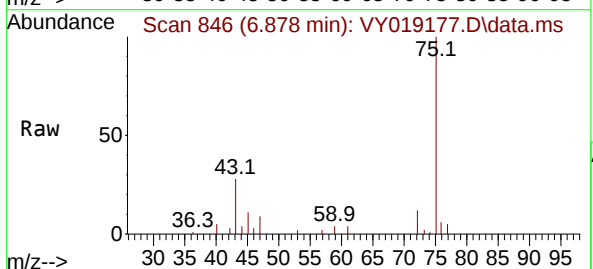


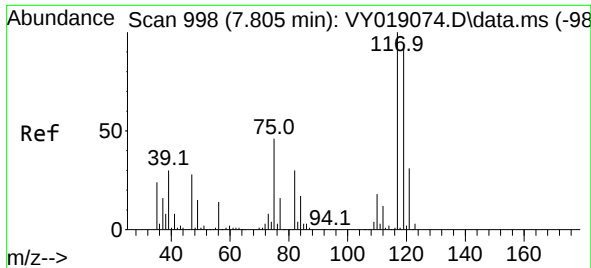
Tgt Ion: 75 Resp: 7323  
Ion Ratio Lower Upper  
75 100  
110 10.3 19.0 57.0#  
77 0.0 25.3 37.9#



#37  
Ethyl Acetate  
Concen: 6.400 ug/l  
RT: 6.878 min Scan# 846  
Delta R.T. -0.091 min  
Lab File: VY019177.D  
Acq: 21 Aug 2024 18:18

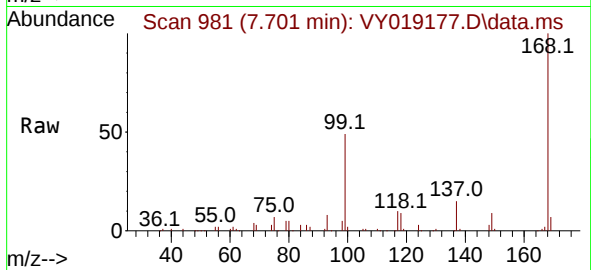
Tgt Ion: 43 Resp: 4228  
Ion Ratio Lower Upper  
43 100  
61 3.1 12.6 19.0#  
70 0.0 7.8 11.8#



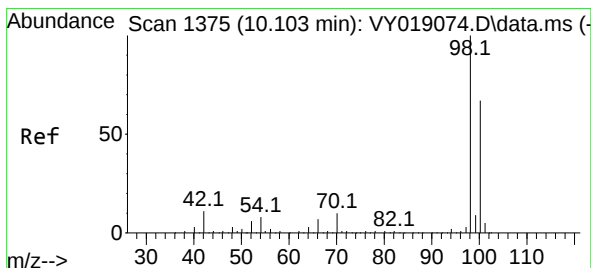
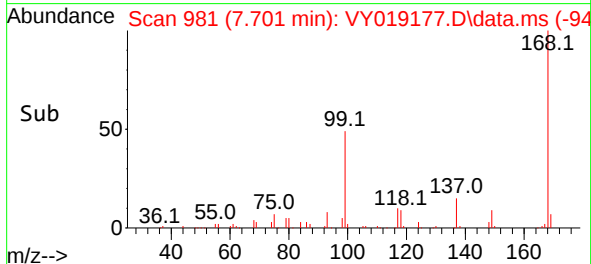
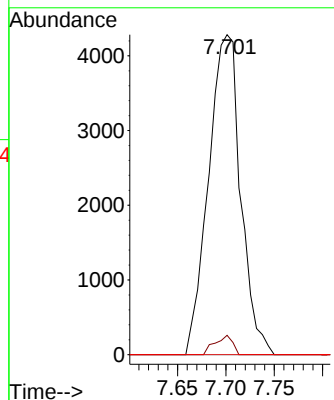


#38  
Carbon Tetrachloride  
Concen: 5.721 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. -0.103 min  
Lab File: VY019177.D  
Acq: 21 Aug 2024 18:18

Instrument :  
MSVOA\_Y  
ClientSampleId :

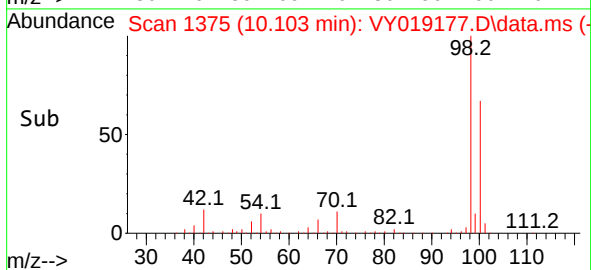
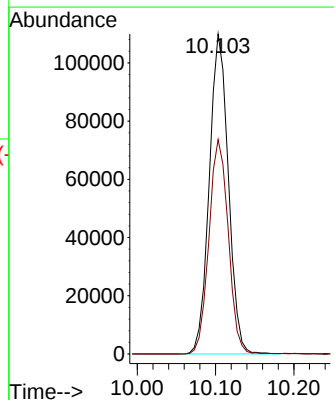
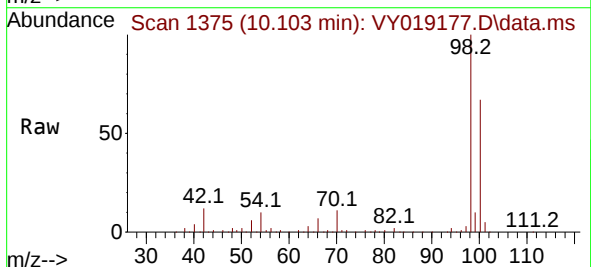


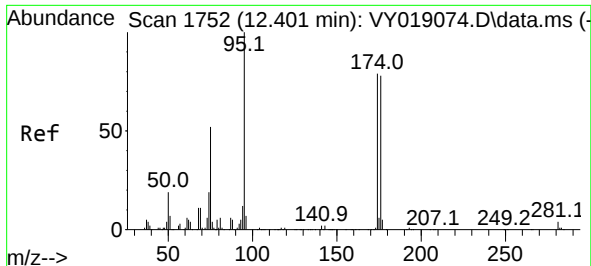
Tgt Ion:117 Resp: 9886  
Ion Ratio Lower Upper  
117 100  
119 6.1 75.8 113.6#  
121 0.0 24.0 36.0#



#50  
Toluene-d8  
Concen: 47.520 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. 0.000 min  
Lab File: VY019177.D  
Acq: 21 Aug 2024 18:18

Tgt Ion: 98 Resp: 185702  
Ion Ratio Lower Upper  
98 100  
100 67.8 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 43.033 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY019177.D

Acq: 21 Aug 2024 18:18

Instrument :

MSVOA\_Y

ClientSampleId :

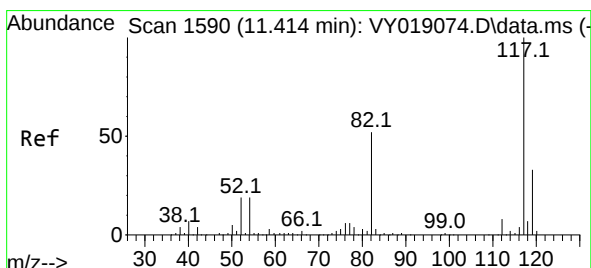
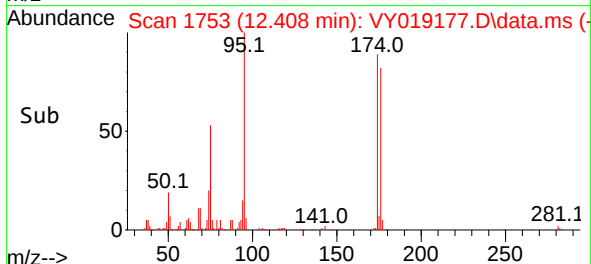
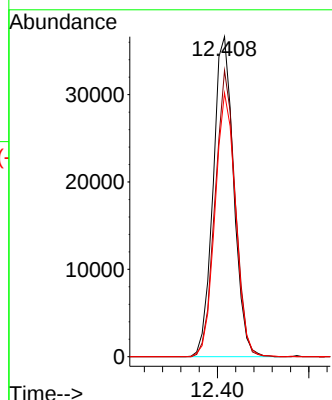
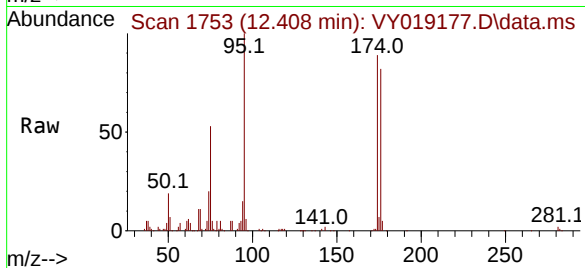
Tgt Ion: 95 Resp: 57328

Ion Ratio Lower Upper

95 100

174 87.6 0.0 175.6

176 82.7 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. 0.000 min

Lab File: VY019177.D

Acq: 21 Aug 2024 18:18

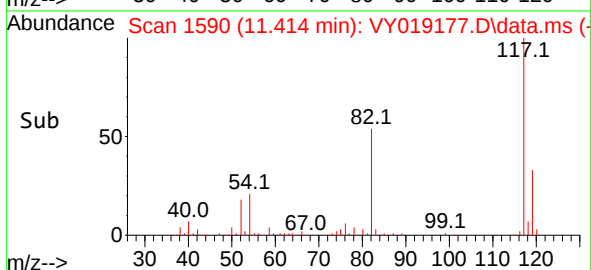
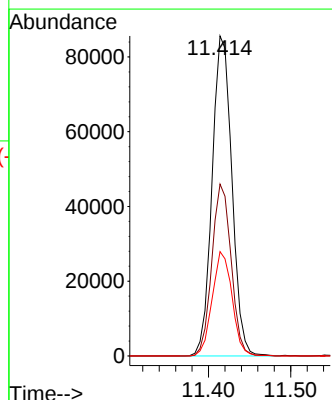
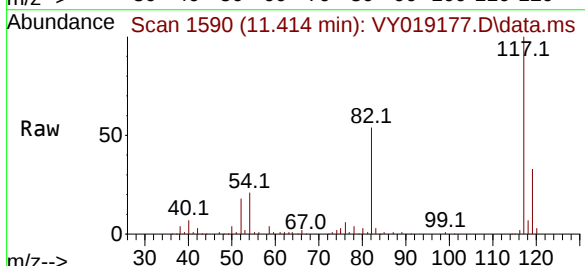
Tgt Ion: 117 Resp: 143199

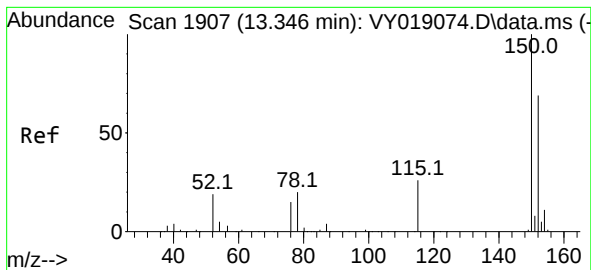
Ion Ratio Lower Upper

117 100

82 53.7 42.4 63.6

119 32.6 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019177.D

Acq: 21 Aug 2024 18:18

Instrument :

MSVOA\_Y

ClientSampleId :

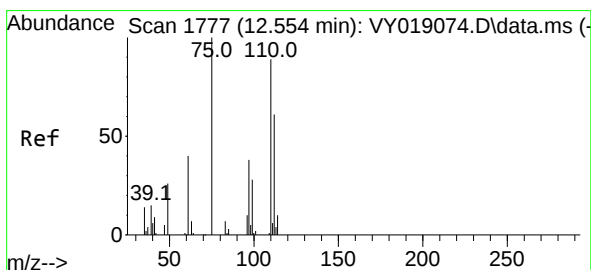
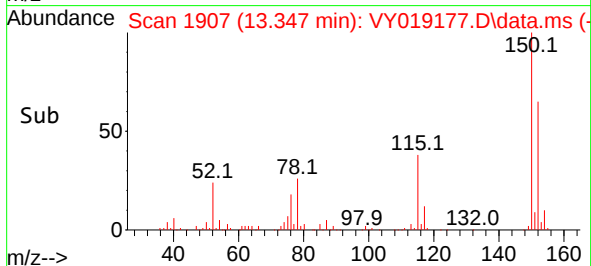
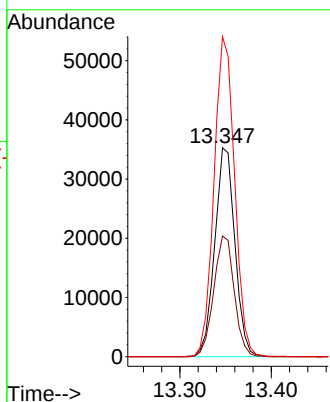
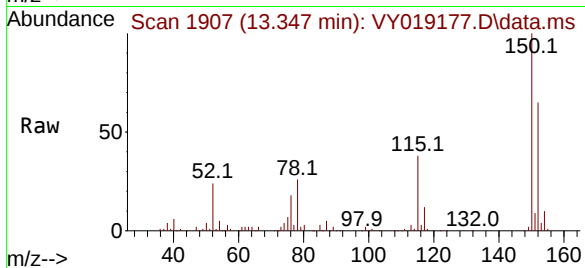
Tgt Ion:152 Resp: 54165

Ion Ratio Lower Upper

152 100

115 58.7 28.2 84.7

150 155.9 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 56.718 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019177.D

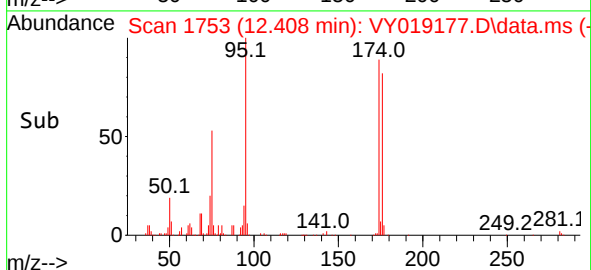
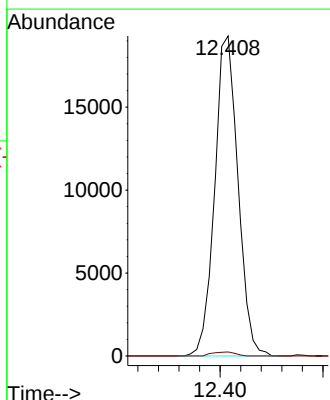
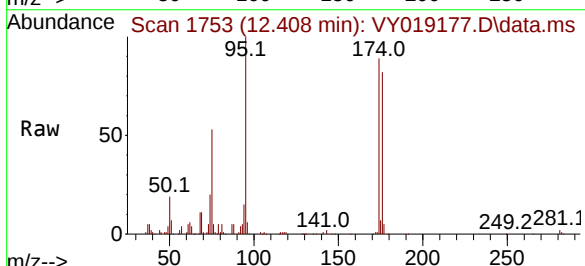
Acq: 21 Aug 2024 18:18

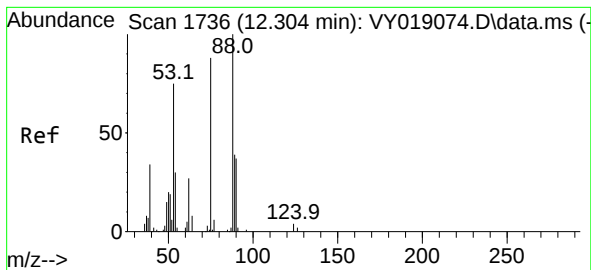
Tgt Ion: 75 Resp: 30297

Ion Ratio Lower Upper

75 100

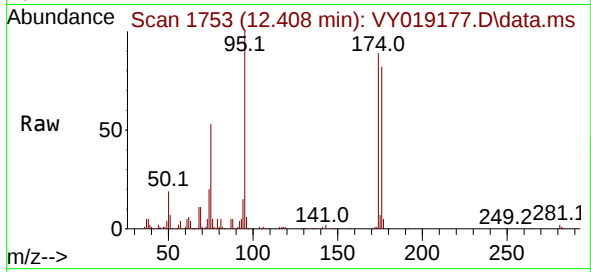
77 1.2 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 140.075 ug/l  
 RT: 12.408 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY019177.D  
 Acq: 21 Aug 2024 18:18

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 30297  |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 0.0   | 66.8  | 100.2# |
| 89       | 0.1   | 35.8  | 53.6#  |

