

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030122\  
 Data File : VY007677.D  
 Acq On : 01 Mar 2022 19:20  
 Operator : SY/MD  
 Sample : N1722-09  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 DUM-10

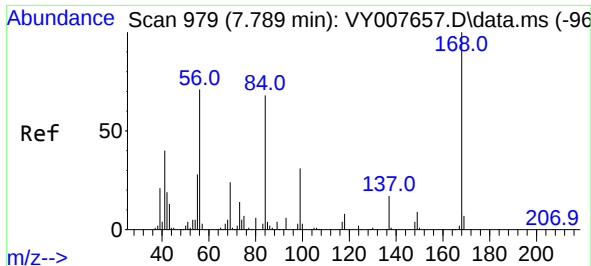
Quant Time: Mar 02 07:52:56 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022822S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 01 09:08:03 2022  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min)     |
|-------------------------------|-----------|-------|----------|-----------|------------|--------------|
| -----                         |           |       |          |           |            |              |
| Internal Standards            |           |       |          |           |            |              |
| 1) Pentafluorobenzene         | 7.789     | 168   | 222238   | 50.000    | ug/l       | 0.00         |
| 34) 1,4-Difluorobenzene       | 8.691     | 114   | 399133   | 50.000    | ug/l       | 0.00         |
| 63) Chlorobenzene-d5          | 11.489    | 117   | 403514   | 50.000    | ug/l       | 0.00         |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152   | 183582   | 50.000    | ug/l       | 0.00         |
| System Monitoring Compounds   |           |       |          |           |            |              |
| 33) 1,2-Dichloroethane-d4     | 8.142     | 65    | 142217   | 61.126    | ug/l       | 0.00         |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 122.260% |              |
| 35) Dibromofluoromethane      | 7.716     | 113   | 138201   | 54.159    | ug/l       | 0.00         |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 108.320% |              |
| 50) Toluene-d8                | 10.179    | 98    | 503355   | 53.587    | ug/l       | 0.00         |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | = 107.180% |              |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 163154   | 53.884    | ug/l       | 0.00         |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | = 107.760% |              |
| Target Compounds              |           |       |          |           |            |              |
| 2) Dichlorodifluoromethane    | 1.906     | 85    | 156      | Below Cal | #          | Qvalue<br>43 |
| 3) Chloromethane              | 2.113     | 50    | 2071     | Below Cal | #          | 84           |
| 13) Acrolein                  | 3.710     | 56    | 63       | Below Cal | #          | 57           |
| 16) Acetone                   | 3.942     | 43    | 1735     | 3.666     | ug/l       | 99           |
| 18) Methyl Acetate            | 4.472     | 43    | 985      | Below Cal | #          | 81           |
| 20) Methylene Chloride        | 4.704     | 84    | 9227     | Below Cal | #          | 77           |
| 31) Cyclohexane               | 7.789     | 56    | 4967     | Below Cal | #          | 28           |
| 36) 1,1-Dichloropropene       | 7.789     | 75    | 17228    | 4.292     | ug/l #     | 51           |
| 38) Carbon Tetrachloride      | 7.789     | 117   | 20935    | 4.889     | ug/l #     | 16           |
| 51) 4-Methyl-2-Pentanone      | 10.173    | 43    | 2469     | 1.125     | ug/l #     | 1            |
| 76) 1,2,3-Trichloropropane    | 12.477    | 75    | 92774    | 45.252    | ug/l #     | 100          |
| 81) trans-1,4-Dichloro-2-b... | 12.477    | 75    | 92774    | 92.511    | ug/l #     | 7            |
| -----                         |           |       |          |           |            |              |

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

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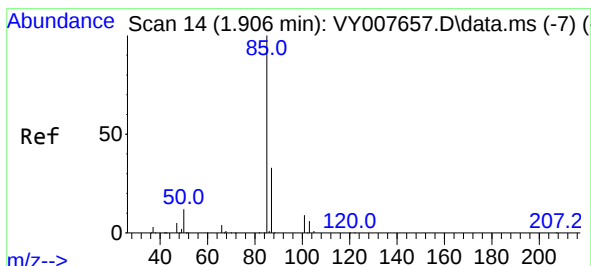
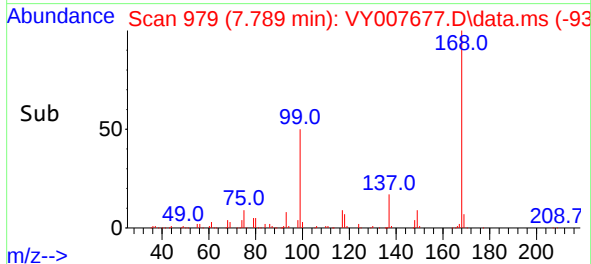
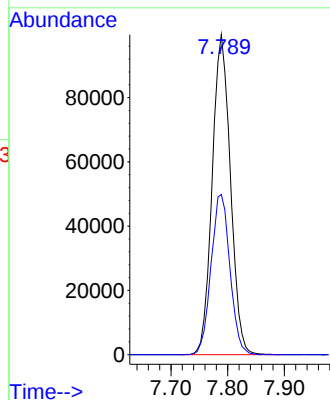
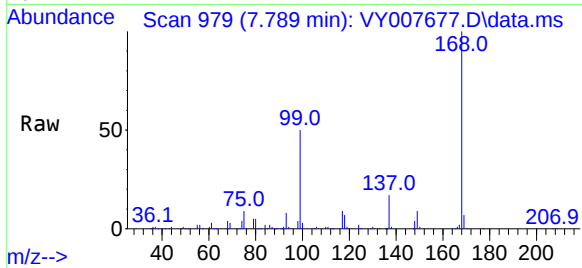




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY007677.D  
Acq: 01 Mar 2022 19:20

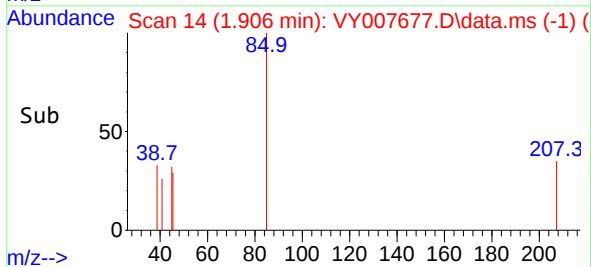
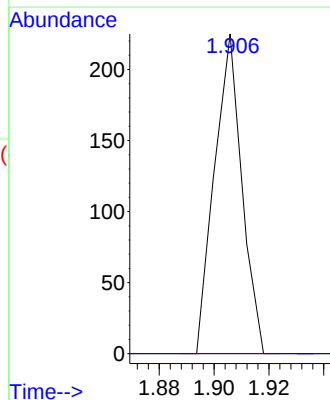
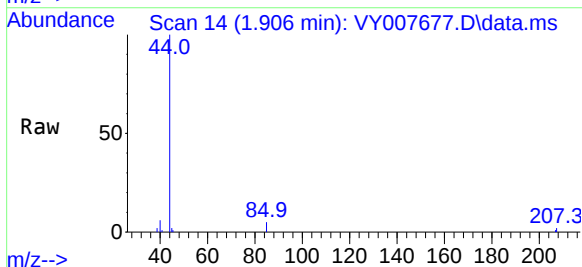
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DUM-10

Tgt Ion:168 Resp: 222238  
Ion Ratio Lower Upper  
168 100  
99 50.0 46.9 70.3

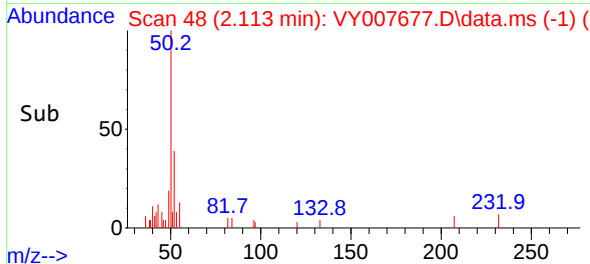
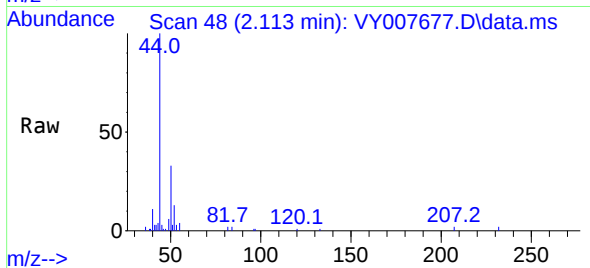
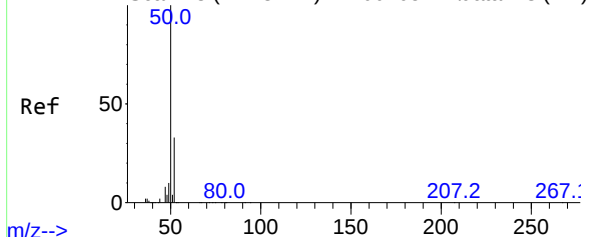


#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.906 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VY007677.D  
Acq: 01 Mar 2022 19:20

Tgt Ion: 85 Resp: 156  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.1 48.2#



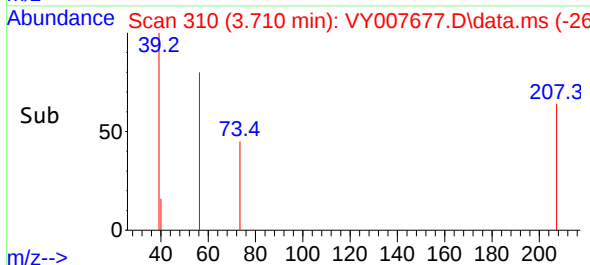
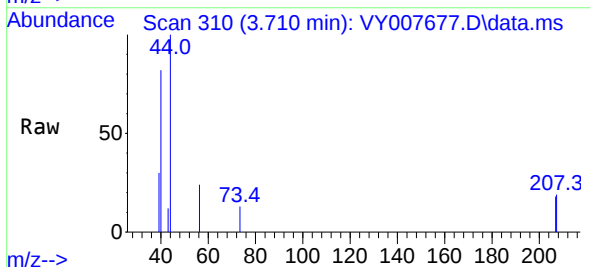
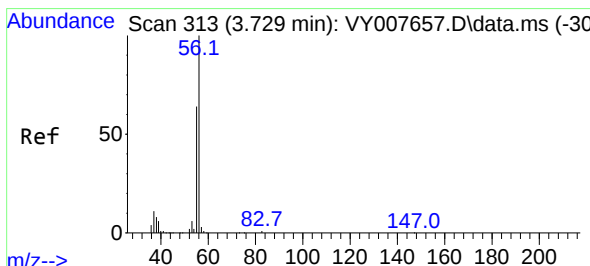
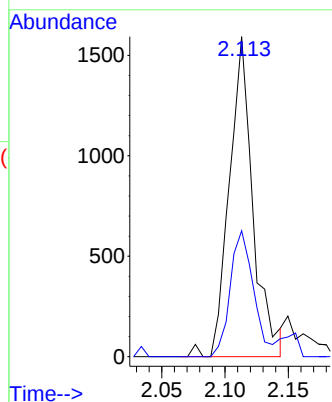
Abundance Scan 48 (2.113 min): VY007657.D\data.ms (-41)



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.113 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY007677.D  
Acq: 01 Mar 2022 19:20

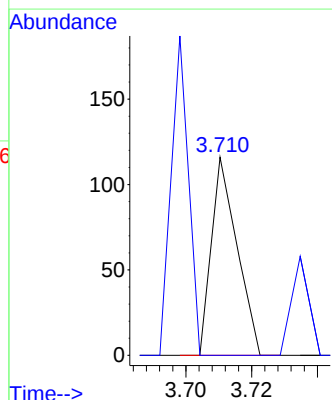
Instrument :  
MSVOA\_Y  
Client SampleId :  
DUM-10

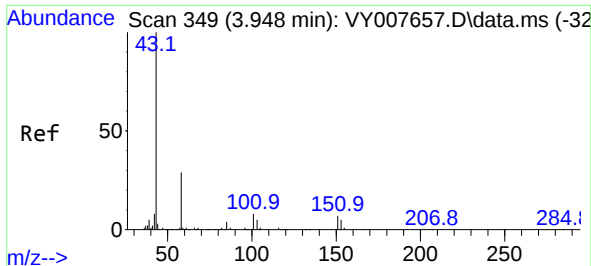
Tgt Ion: 50 Resp: 2071  
Ion Ratio Lower Upper  
50 100  
52 39.4 24.6 37.0#



#13  
Acrolein  
Concen: Below Cal  
RT: 3.710 min Scan# 310  
Delta R.T. -0.019 min  
Lab File: VY007677.D  
Acq: 01 Mar 2022 19:20

Tgt Ion: 56 Resp: 63  
Ion Ratio Lower Upper  
56 100  
55 107.9 57.6 86.4#

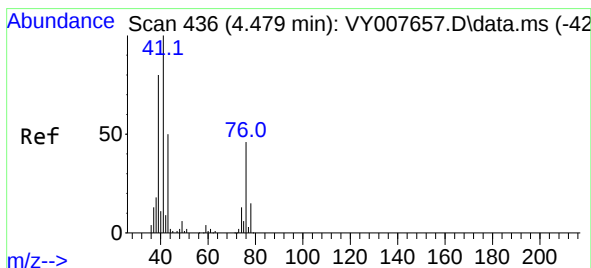
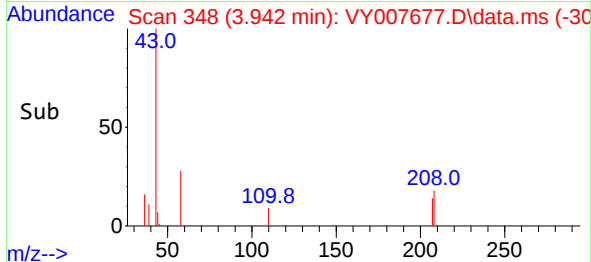
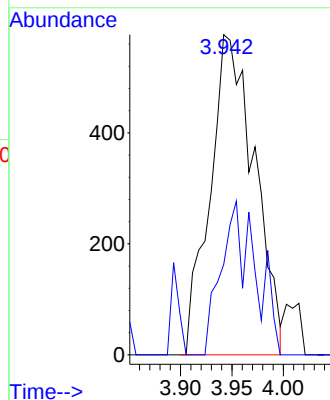
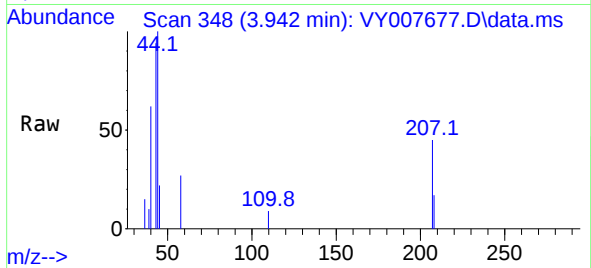




#16  
Acetone  
Concen: 3.666 ug/l  
RT: 3.942 min Scan# 34  
Delta R.T. -0.006 min  
Lab File: VY007677.D  
Acq: 01 Mar 2022 19:20

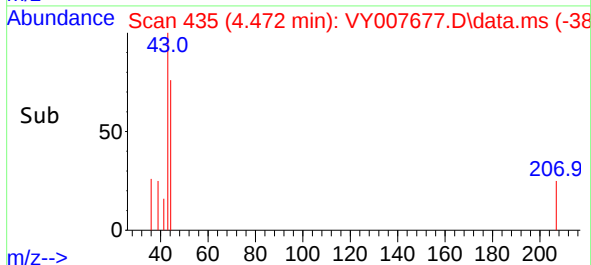
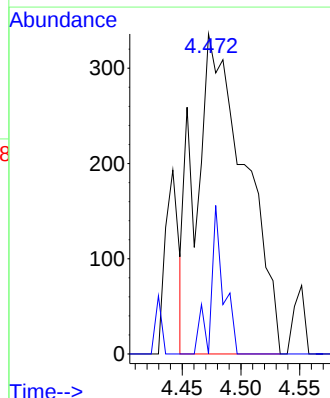
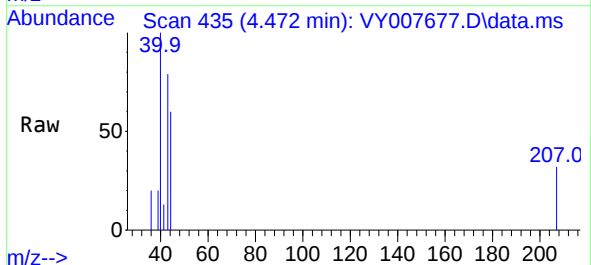
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DUM-10

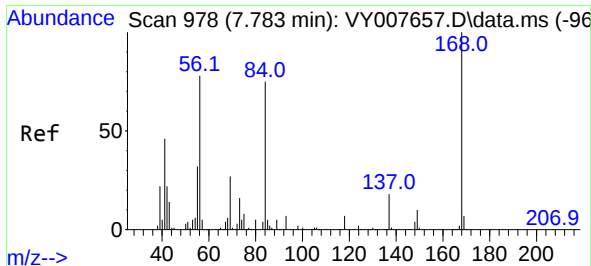
Tgt Ion: 43 Resp: 1735  
Ion Ratio Lower Upper  
43 100  
58 28.2 22.0 33.0



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.472 min Scan# 435  
Delta R.T. -0.007 min  
Lab File: VY007677.D  
Acq: 01 Mar 2022 19:20

Tgt Ion: 43 Resp: 985  
Ion Ratio Lower Upper  
43 100  
74 12.1 16.6 24.8#





#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY007677.D

Acq: 01 Mar 2022 19:20

Instrument :

MSVOA\_Y

ClientSampleId :

DUM-10

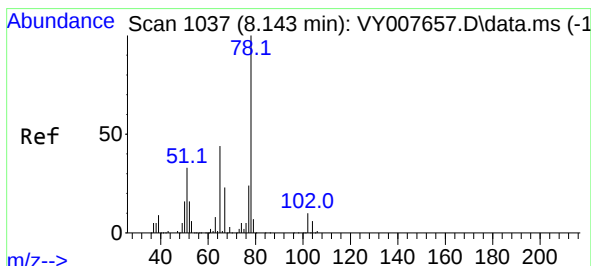
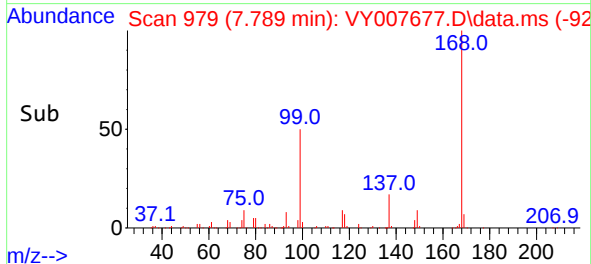
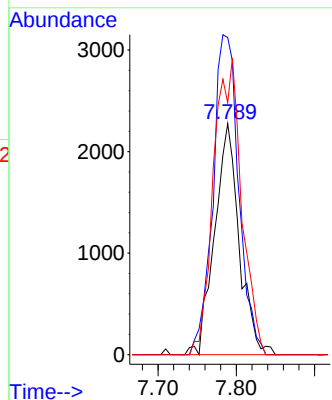
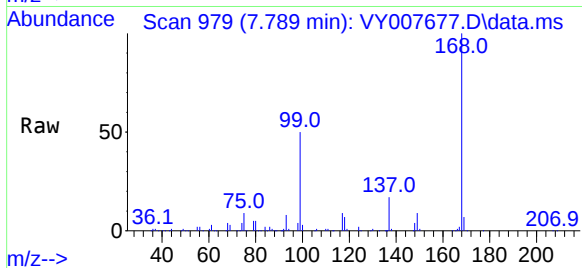
Tgt Ion: 56 Resp: 4967

Ion Ratio Lower Upper

56 100

69 137.3 26.7 40.1#

84 109.0 67.2 100.8#



#33

1,2-Dichloroethane-d4

Concen: 61.126 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY007677.D

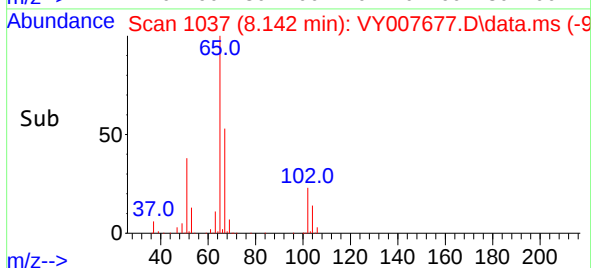
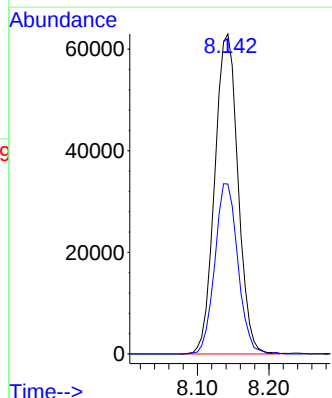
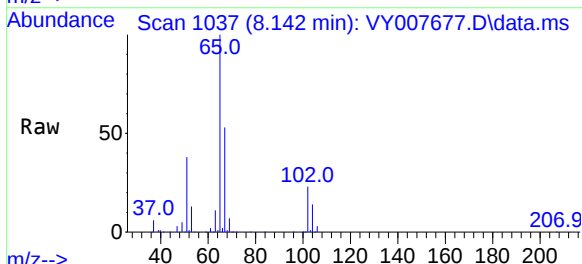
Acq: 01 Mar 2022 19:20

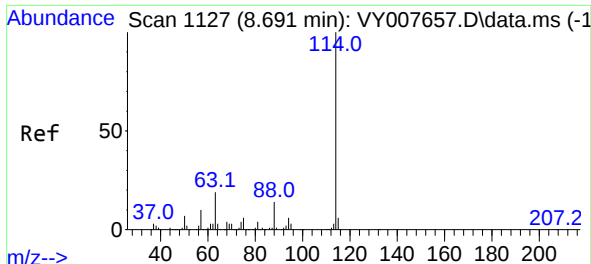
Tgt Ion: 65 Resp: 142217

Ion Ratio Lower Upper

65 100

67 52.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007677.D

Acq: 01 Mar 2022 19:20

Instrument :

MSVOA\_Y

ClientSampleId :

DUM-10

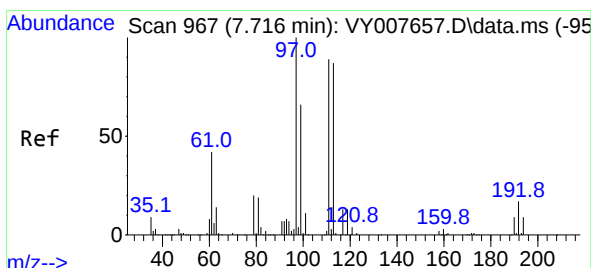
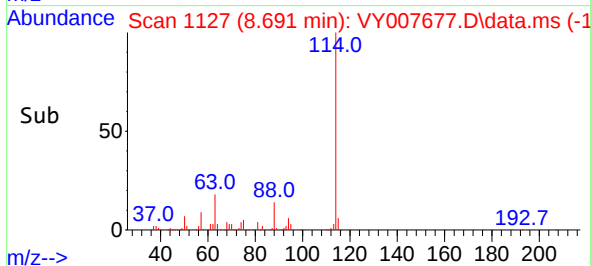
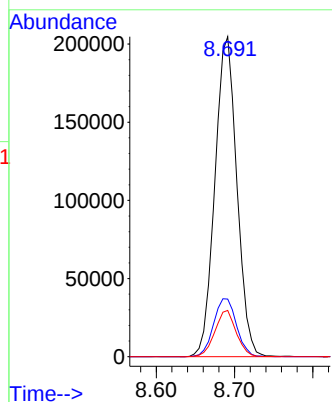
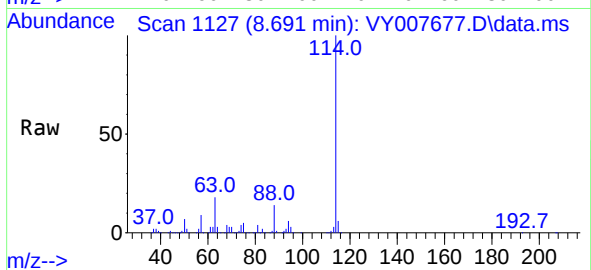
Tgt Ion:114 Resp: 399133

Ion Ratio Lower Upper

114 100

63 18.0 0.0 43.2

88 14.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 54.159 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY007677.D

Acq: 01 Mar 2022 19:20

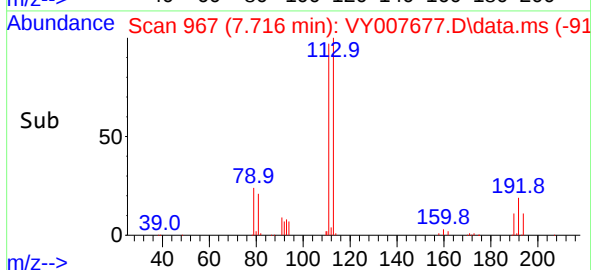
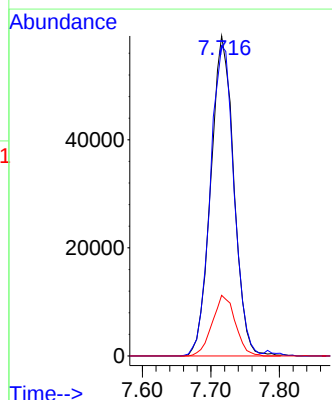
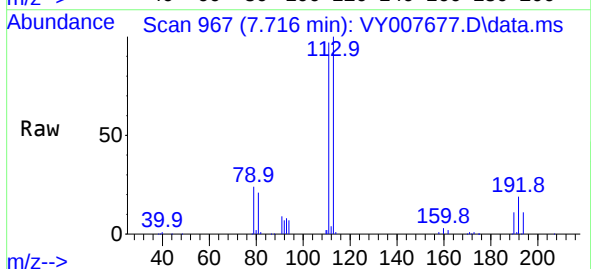
Tgt Ion:113 Resp: 138201

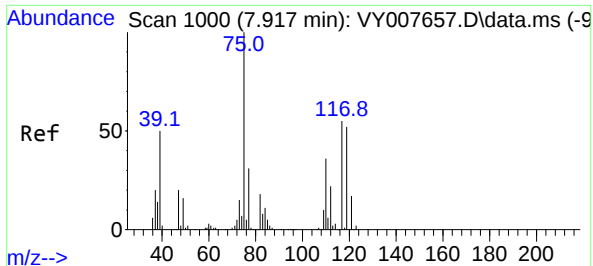
Ion Ratio Lower Upper

113 100

111 99.9 82.6 124.0

192 19.0 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.292 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY007677.D

Acq: 01 Mar 2022 19:20

Instrument :

MSVOA\_Y

ClientSampleId :

DUM-10

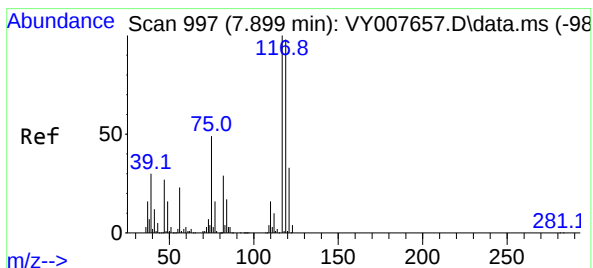
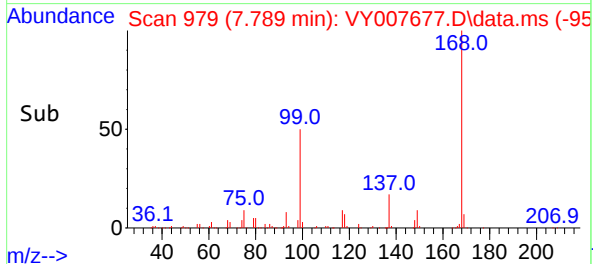
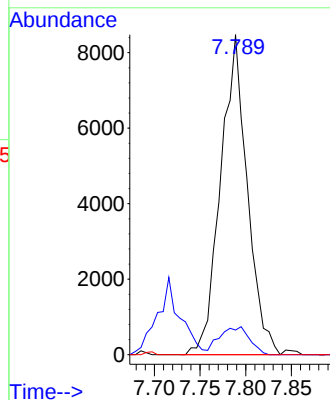
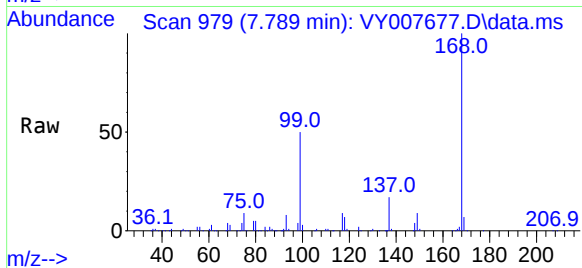
Tgt Ion: 75 Resp: 17228

Ion Ratio Lower Upper

75 100

110 9.8 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.889 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY007677.D

Acq: 01 Mar 2022 19:20

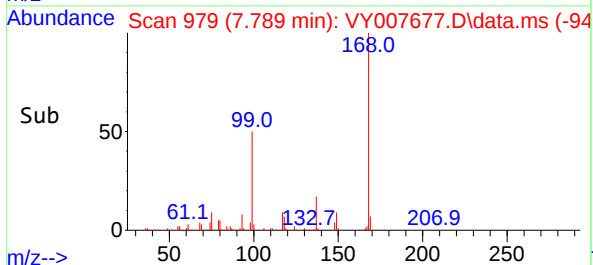
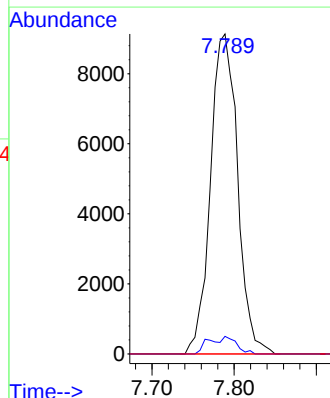
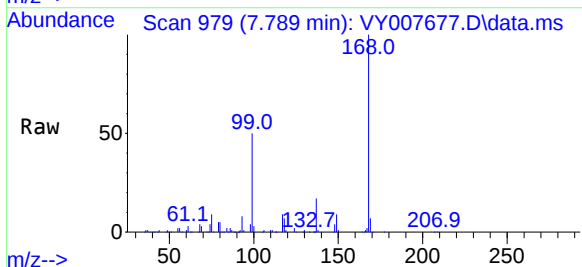
Tgt Ion: 117 Resp: 20935

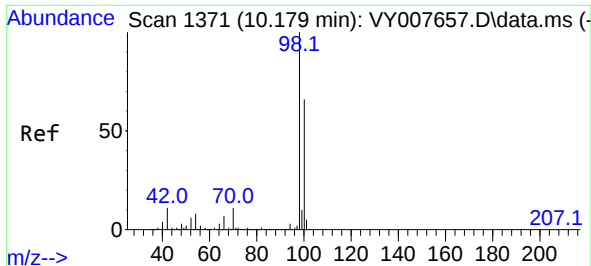
Ion Ratio Lower Upper

117 100

119 5.5 77.9 116.9#

121 0.0 24.8 37.2#

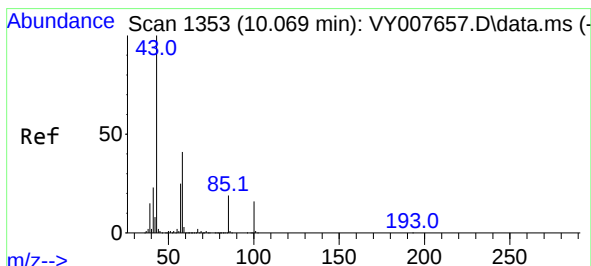
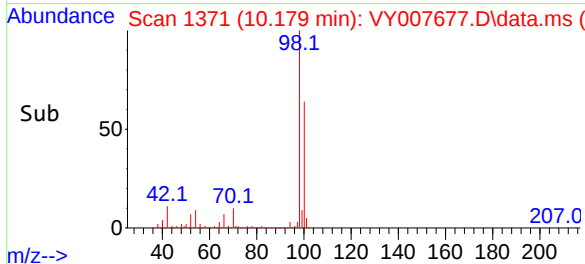
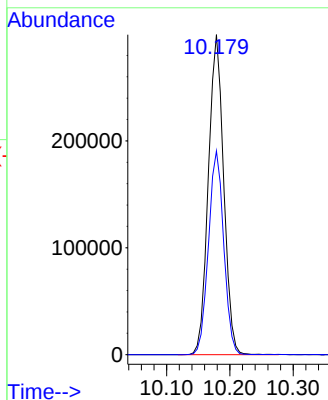
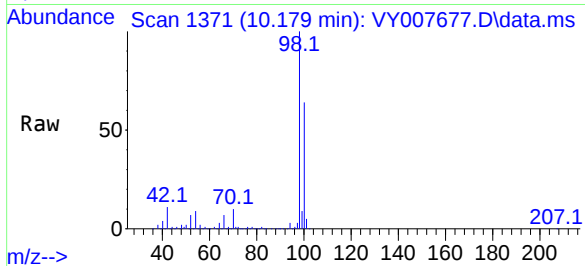




#50  
Toluene-d8  
Concen: 53.587 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY007677.D  
Acq: 01 Mar 2022 19:20

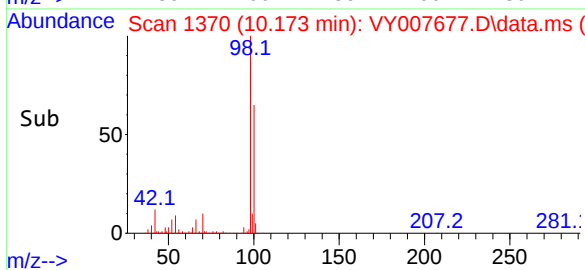
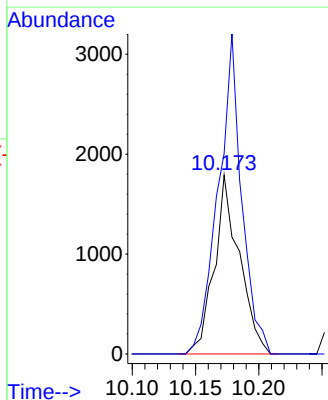
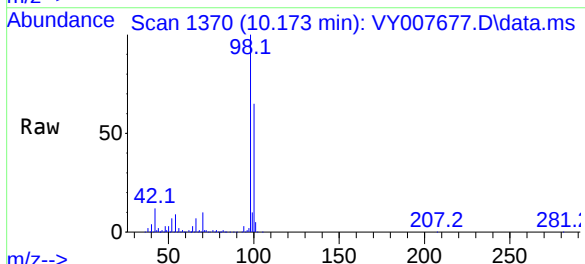
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DUM-10

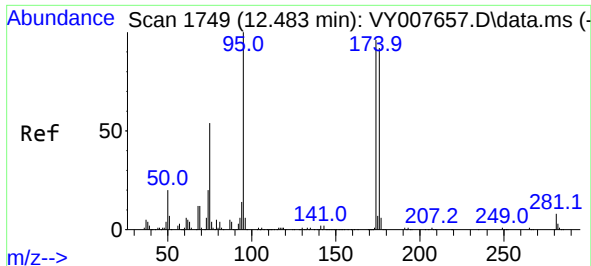
Tgt Ion: 98 Resp: 503355  
Ion Ratio Lower Upper  
98 100  
100 63.5 50.2 75.2



#51  
4-Methyl-2-Pentanone  
Concen: 1.125 ug/l  
RT: 10.173 min Scan# 1370  
Delta R.T. 0.104 min  
Lab File: VY007677.D  
Acq: 01 Mar 2022 19:20

Tgt Ion: 43 Resp: 2469  
Ion Ratio Lower Upper  
43 100  
58 167.2 28.1 42.1#

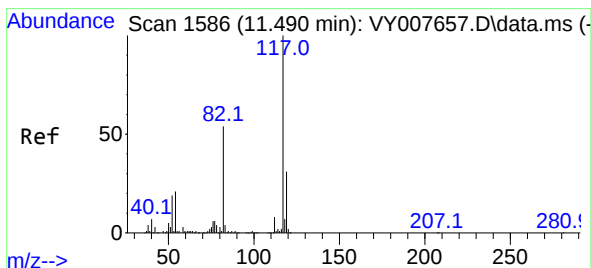
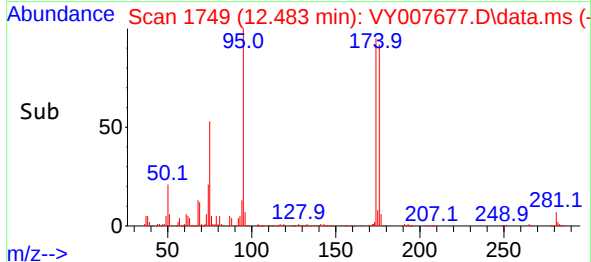
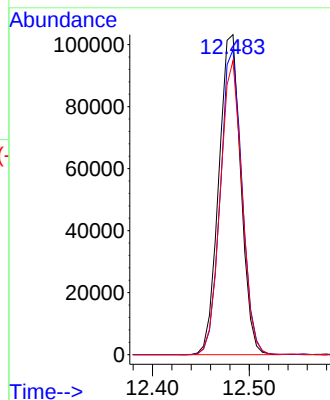
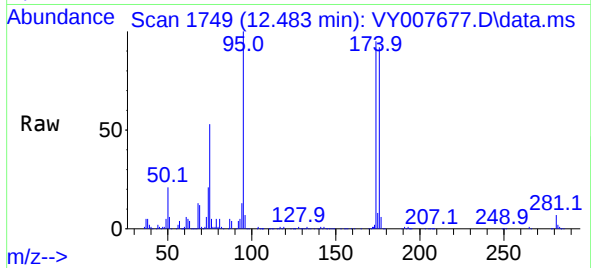




#62  
4-Bromofluorobenzene  
Concen: 53.884 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY007677.D  
Acq: 01 Mar 2022 19:20

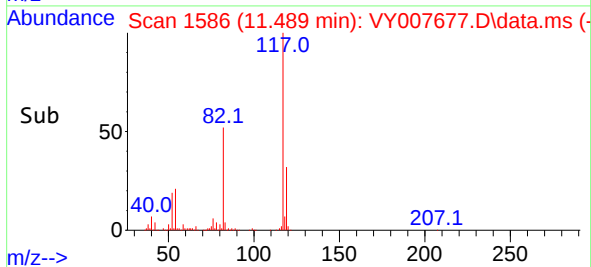
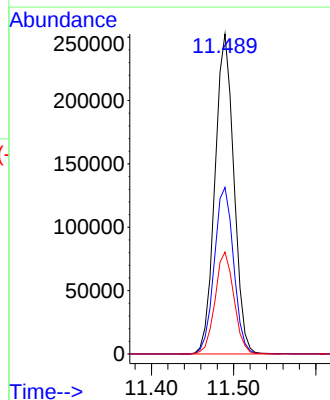
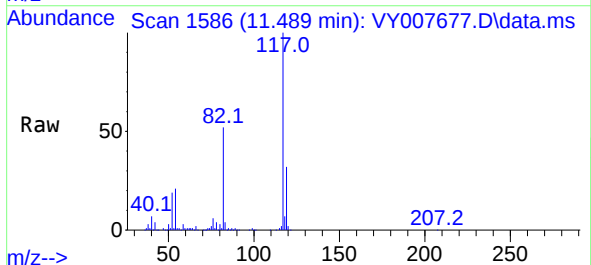
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DUM-10

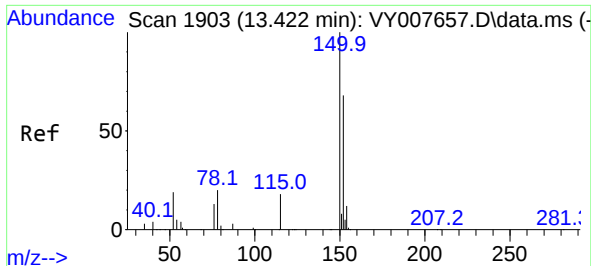
Tgt Ion: 95 Resp: 163154  
Ion Ratio Lower Upper  
95 100  
174 93.6 0.0 177.0  
176 90.6 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY007677.D  
Acq: 01 Mar 2022 19:20

Tgt Ion: 117 Resp: 403514  
Ion Ratio Lower Upper  
117 100  
82 52.0 43.0 64.4  
119 31.8 25.4 38.0

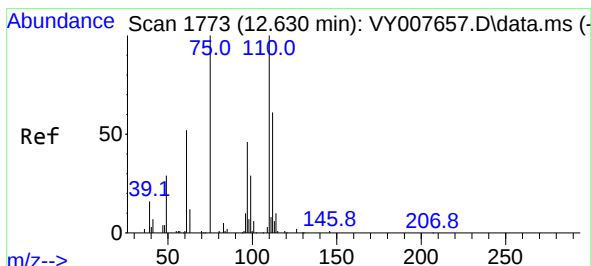
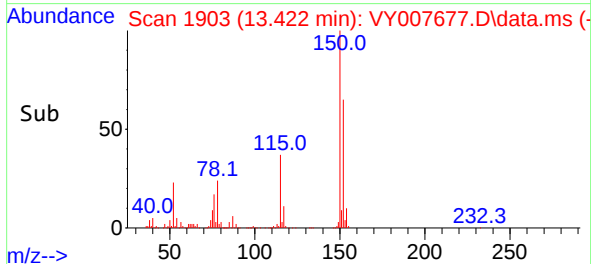
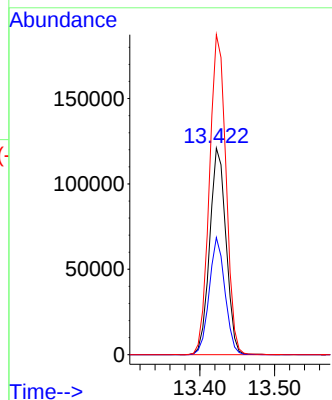
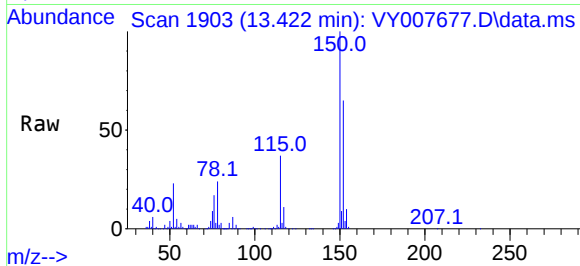




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. 0.000 min  
 Lab File: VY007677.D  
 Acq: 01 Mar 2022 19:20

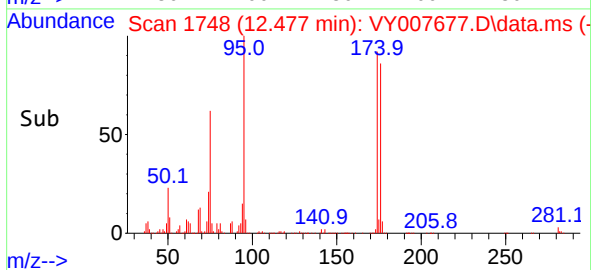
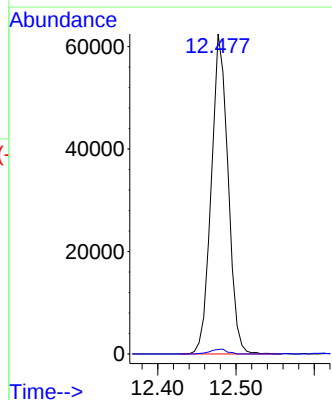
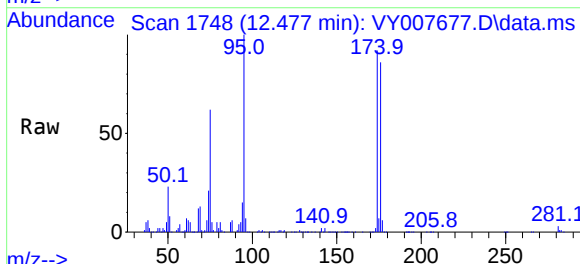
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 DUM-10

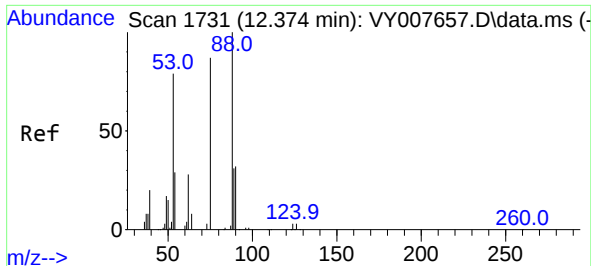
Tgt Ion:152 Resp: 183582  
 Ion Ratio Lower Upper  
 152 100  
 115 54.7 28.2 84.7  
 150 157.1 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 45.252 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. -0.153 min  
 Lab File: VY007677.D  
 Acq: 01 Mar 2022 19:20

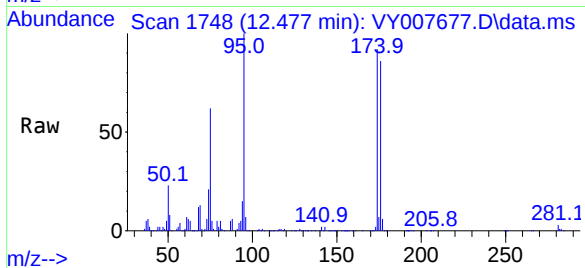
Tgt Ion: 75 Resp: 92774  
 Ion Ratio Lower Upper  
 75 100  
 77 1.5 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 92.511 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.103 min  
 Lab File: VY007677.D  
 Acq: 01 Mar 2022 19:20

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 DUM-10



Tgt Ion: 75 Resp: 92774  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 85.3 127.9#  
 89 0.0 37.0 55.4#

