

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031623\  
 Data File : VY012977.D  
 Acq On : 16 Mar 2023 17:52  
 Operator : KP/MD  
 Sample : 01964-04  
 Misc : 3.60g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MAPLE-4

Quant Time: Mar 17 01:38:42 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 03 01:13:13 2023  
 Response via : Initial Calibration

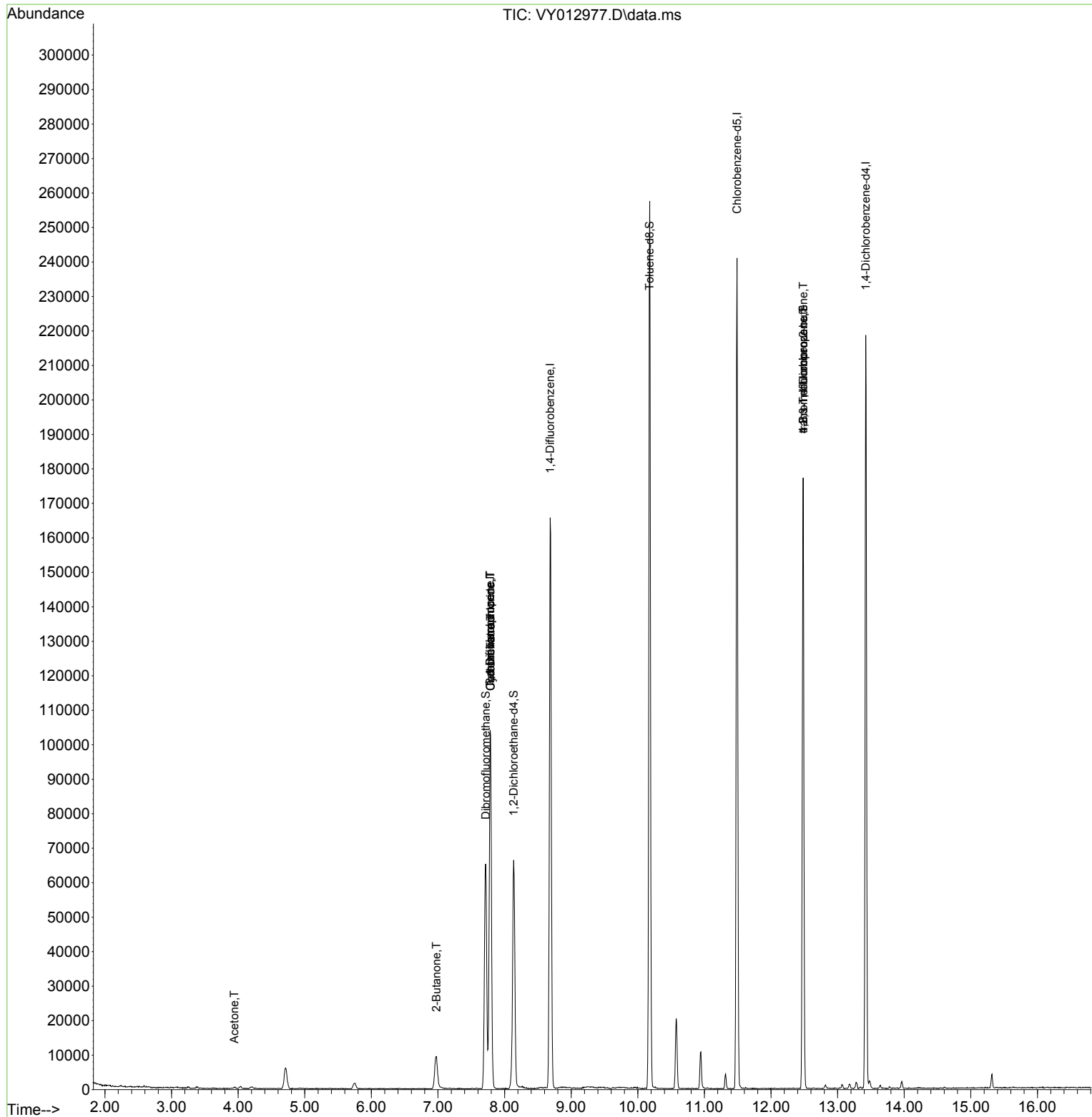
| Compound                      | R.T.   | QIon           | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|--------|----------------|----------|------------|--------|----------|
| -----                         |        |                |          |            |        |          |
| Internal Standards            |        |                |          |            |        |          |
| 1) Pentafluorobenzene         | 7.783  | 168            | 81601    | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114            | 138652   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117            | 125539   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152            | 56156    | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds   |        |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65             | 49753    | 61.409     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 50 - 163 | Recovery | = 122.820% |        |          |
| 35) Dibromofluoromethane      | 7.715  | 113            | 46078    | 55.067     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 54 - 147 | Recovery | = 110.140% |        |          |
| 50) Toluene-d8                | 10.178 | 98             | 165073   | 53.962     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 49 - 140 | Recovery | = 107.920% |        |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95             | 49630    | 48.068     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 25 - 144 | Recovery | = 96.140%  |        |          |
| Target Compounds              |        |                |          |            |        |          |
|                               |        |                |          |            |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.960  | 59             | 83       | Below Cal  | #      | 74       |
| 16) Acetone                   | 3.942  | 43             | 636      | 2.000      | ug/l   | 92       |
| 20) Methylene Chloride        | 4.710  | 84             | 4523     | Below Cal  |        | 90       |
| 25) 2-Butanone                | 6.978  | 43             | 634      | 1.610      | ug/l # | 49       |
| 31) Cyclohexane               | 7.789  | 56             | 1851     | 1.193      | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.783  | 75             | 6346     | 4.526      | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 7.789  | 117            | 7756     | 5.356      | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75             | 25902    | 38.626     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75             | 25902    | 80.033     | ug/l # | 13       |
| -----                         |        |                |          |            |        |          |

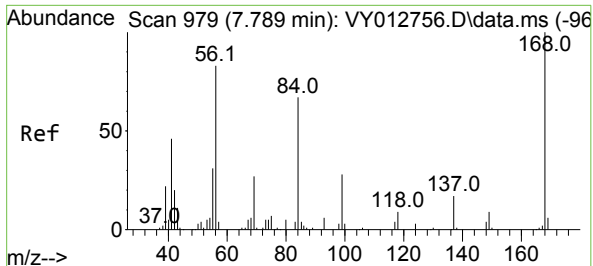
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031623\  
Data File : VY012977.D  
Acq On : 16 Mar 2023 17:52  
Operator : KP/MD  
Sample : 01964-04  
Misc : 3.60g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MAPLE-4

Quant Time: Mar 17 01:38:42 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 03 01:13:13 2023  
Response via : Initial Calibration

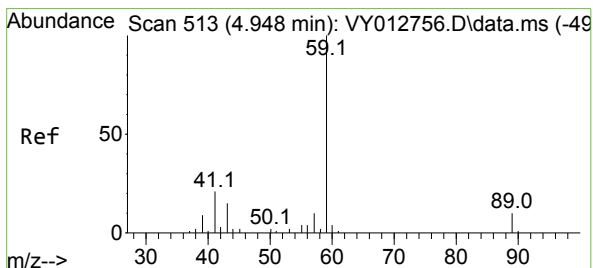
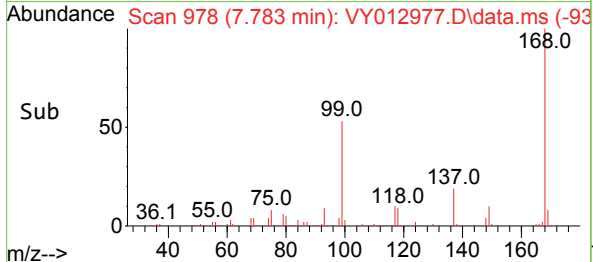
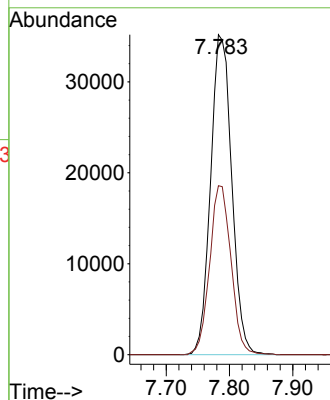
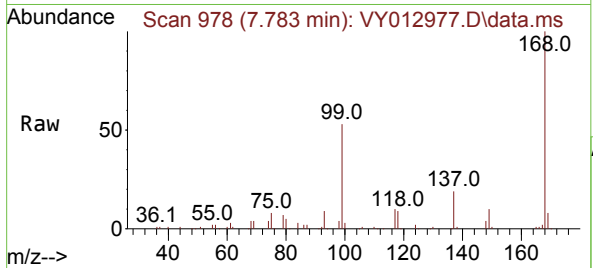




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY012977.D  
Acq: 16 Mar 2023 17:52

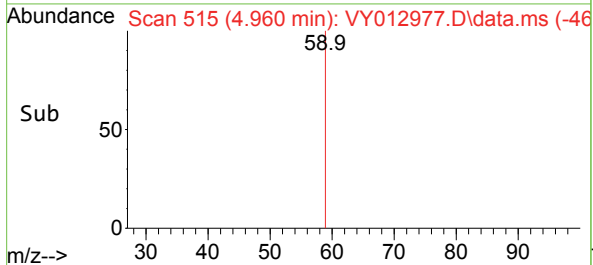
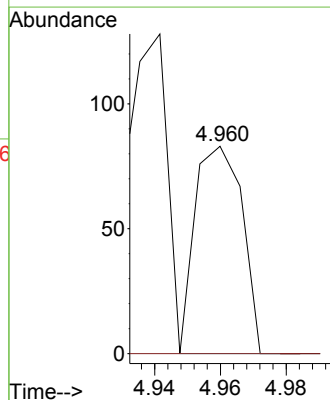
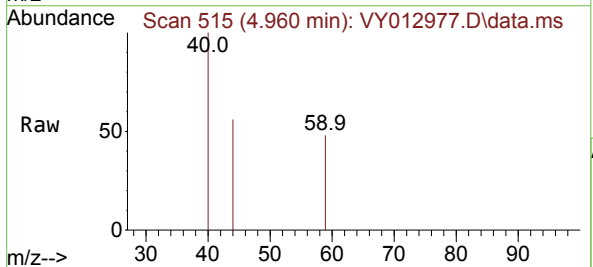
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MAPLE-4

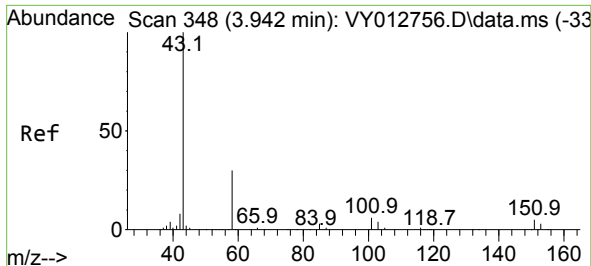
Tgt Ion:168 Resp: 81601  
Ion Ratio Lower Upper  
168 100  
99 52.8 41.7 62.5



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.960 min Scan# 515  
Delta R.T. 0.012 min  
Lab File: VY012977.D  
Acq: 16 Mar 2023 17:52

Tgt Ion: 59 Resp: 83  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.7 11.5#





#16

Acetone

Concen: 2.000 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.000 min

Lab File: VY012977.D

Acq: 16 Mar 2023 17:52

Instrument :

MSVOA\_Y

ClientSampleId :

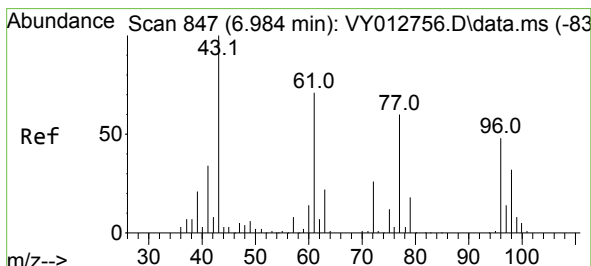
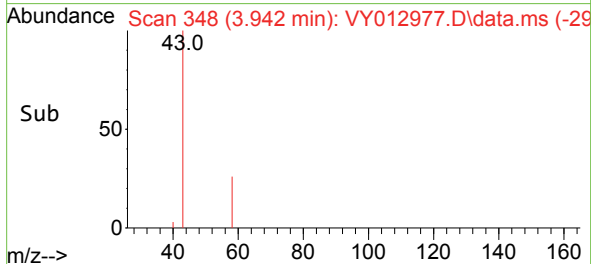
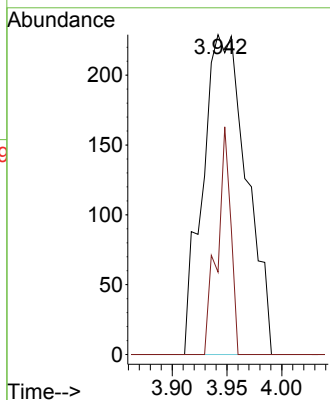
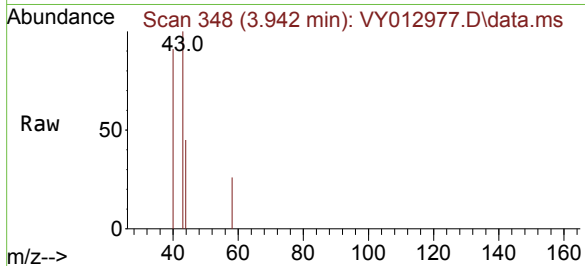
MAPLE-4

Tgt Ion: 43 Resp: 636

Ion Ratio Lower Upper

43 100

58 25.8 24.2 36.2



#25

2-Butanone

Concen: 1.610 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY012977.D

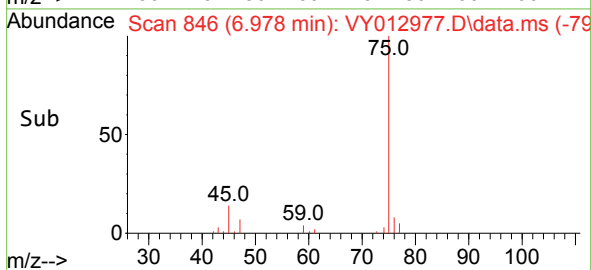
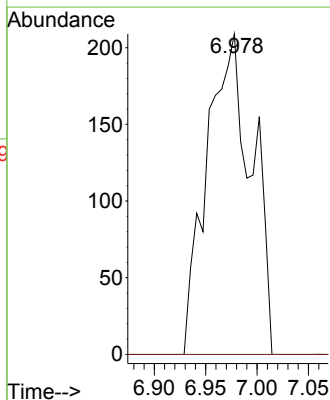
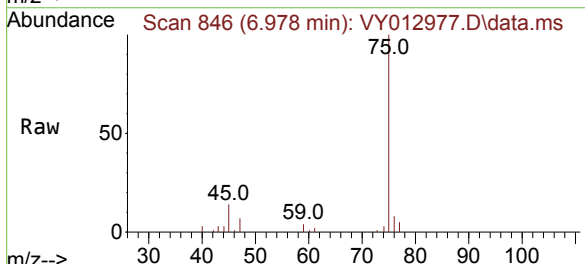
Acq: 16 Mar 2023 17:52

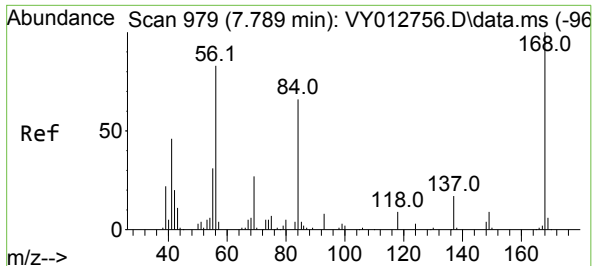
Tgt Ion: 43 Resp: 634

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#

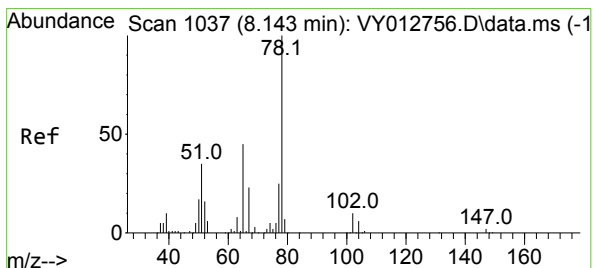
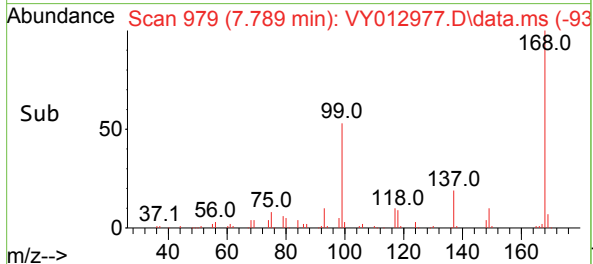
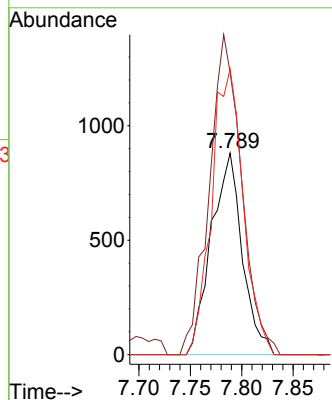
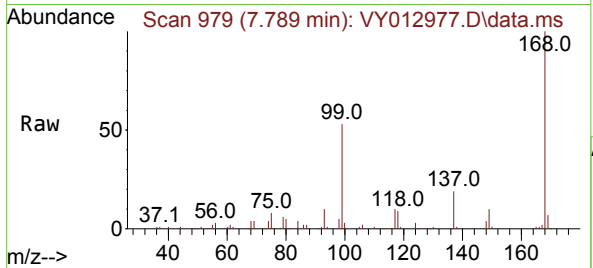




#31  
Cyclohexane  
Concen: 1.193 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012977.D  
Acq: 16 Mar 2023 17:52

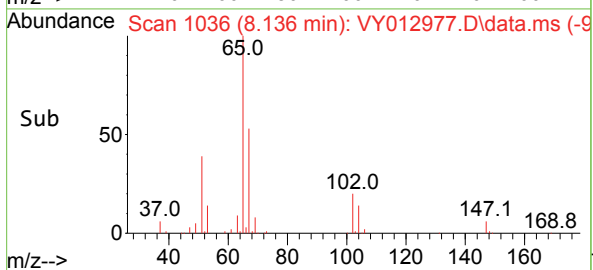
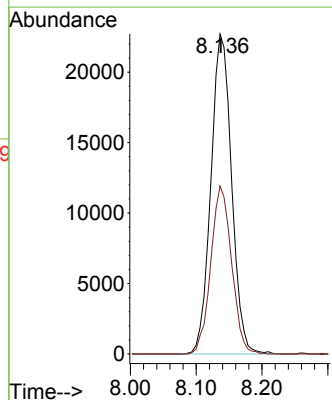
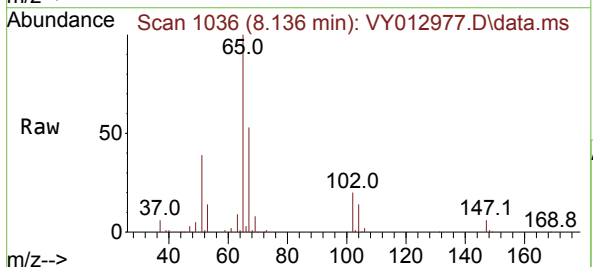
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MAPLE-4

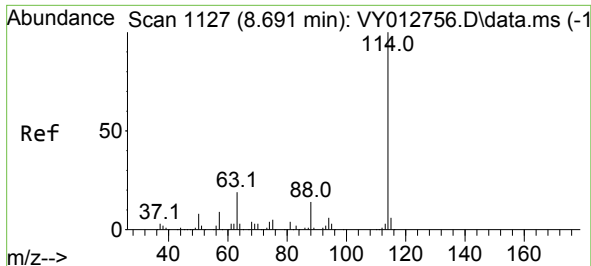
Tgt Ion: 56 Resp: 1851  
Ion Ratio Lower Upper  
56 100  
69 139.8 25.7 38.5#  
84 141.7 64.3 96.5#



#33  
1,2-Dichloroethane-d4  
Concen: 61.409 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.007 min  
Lab File: VY012977.D  
Acq: 16 Mar 2023 17:52

Tgt Ion: 65 Resp: 49753  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012977.D

Acq: 16 Mar 2023 17:52

Instrument :

MSVOA\_Y

ClientSampleId :

MAPLE-4

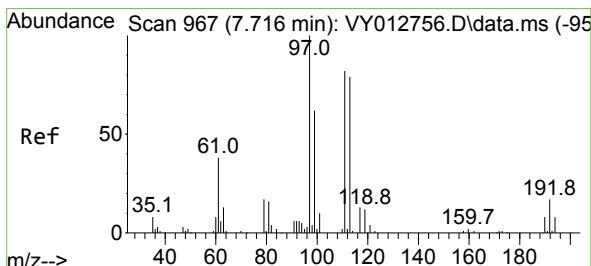
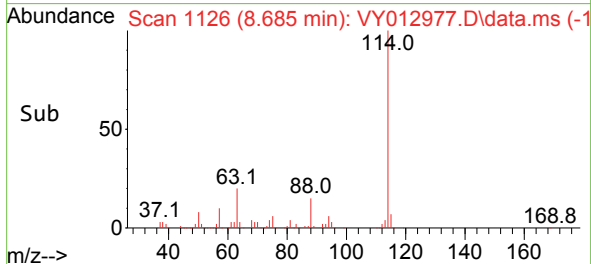
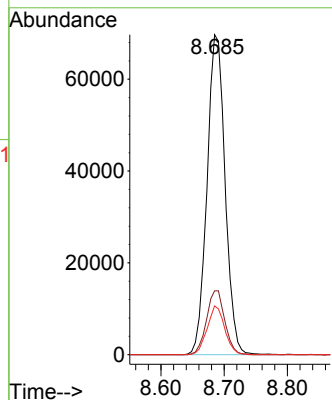
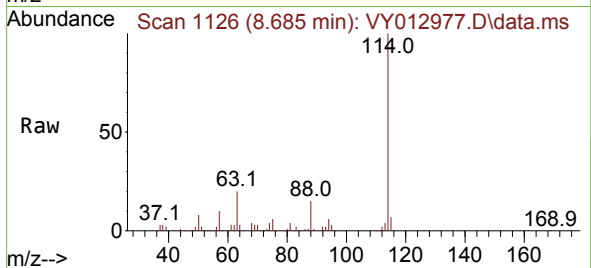
Tgt Ion:114 Resp: 138652

Ion Ratio Lower Upper

114 100

63 19.9 0.0 37.4

88 15.3 0.0 28.6



#35

Dibromofluoromethane

Concen: 55.067 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012977.D

Acq: 16 Mar 2023 17:52

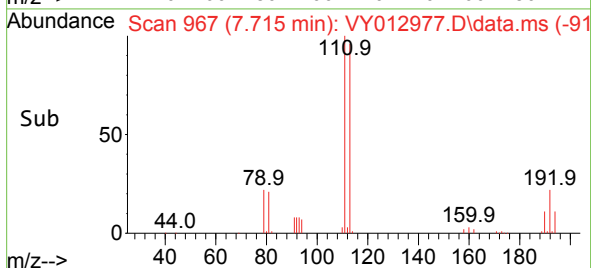
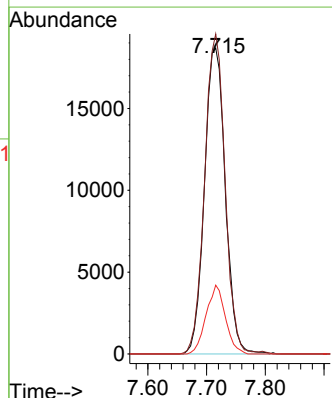
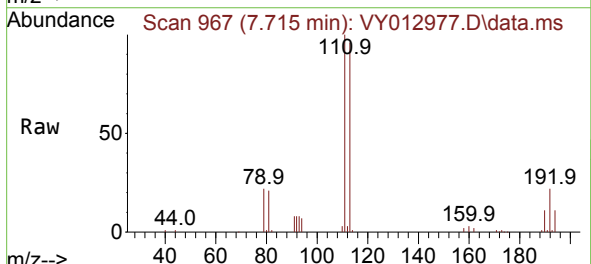
Tgt Ion:113 Resp: 46078

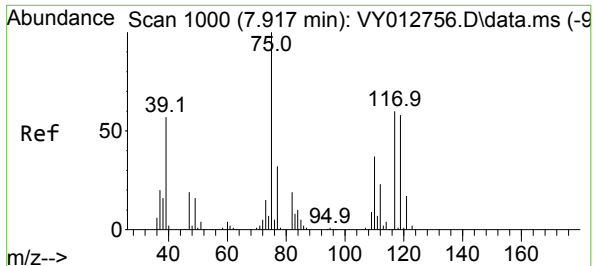
Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.2

192 20.8 16.8 25.2

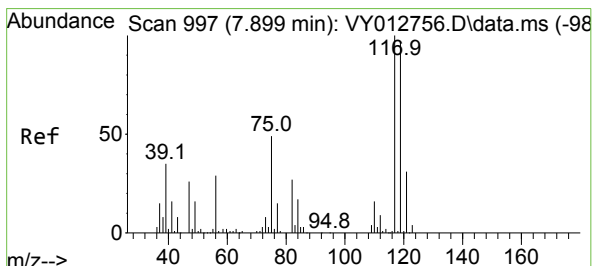
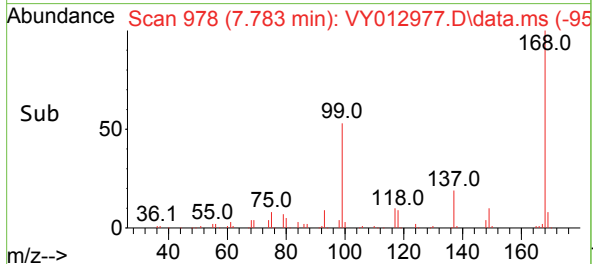
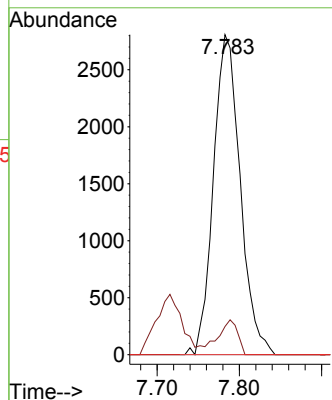
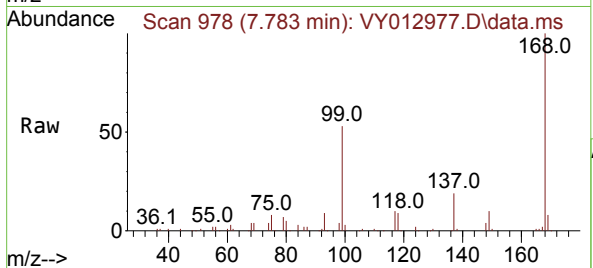




#36  
1,1-Dichloropropene  
Concen: 4.526 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.134 min  
Lab File: VY012977.D  
Acq: 16 Mar 2023 17:52

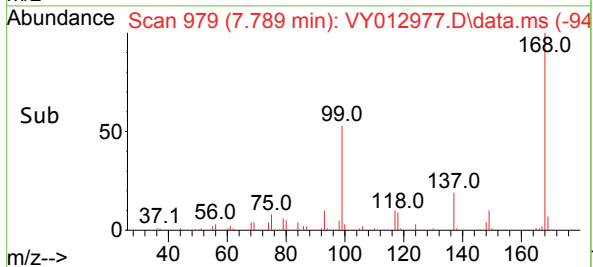
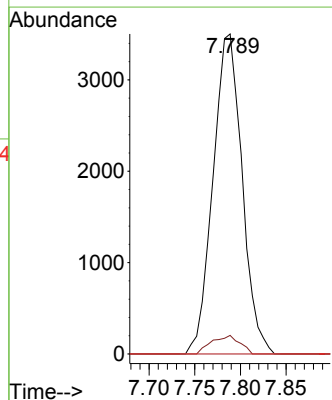
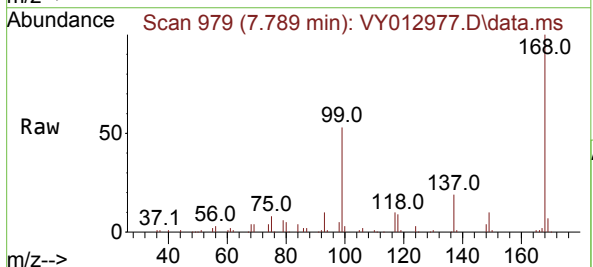
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MAPLE-4

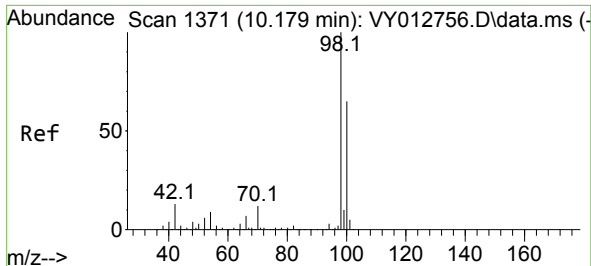
Tgt Ion: 75 Resp: 6346  
Ion Ratio Lower Upper  
75 100  
110 7.8 17.8 53.3#  
77 0.0 25.0 37.4#



#38  
Carbon Tetrachloride  
Concen: 5.356 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.110 min  
Lab File: VY012977.D  
Acq: 16 Mar 2023 17:52

Tgt Ion: 117 Resp: 7756  
Ion Ratio Lower Upper  
117 100  
119 5.8 77.2 115.8#  
121 0.0 24.7 37.1#

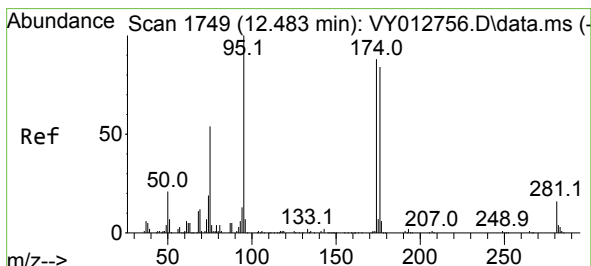
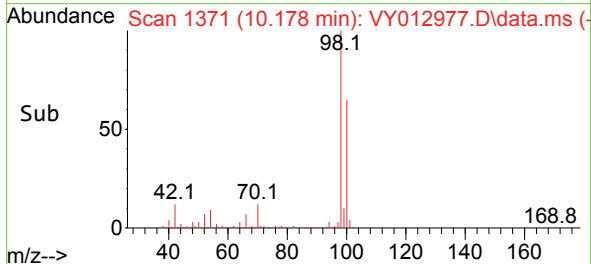
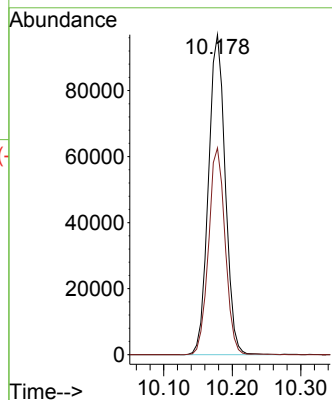
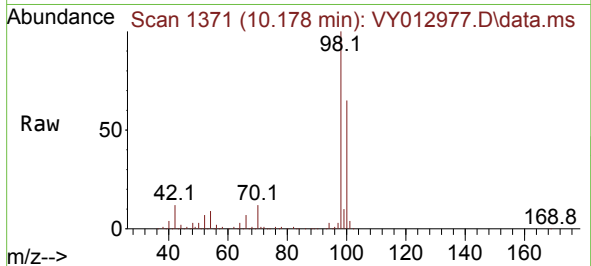




#50  
Toluene-d8  
Concen: 53.962 ug/l  
RT: 10.178 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY012977.D  
Acq: 16 Mar 2023 17:52

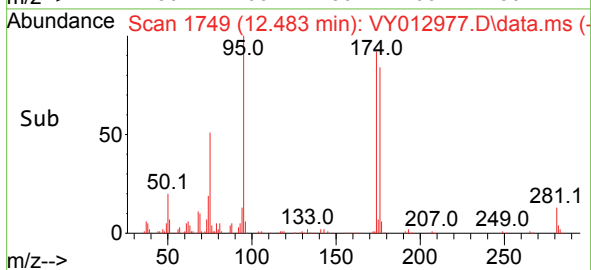
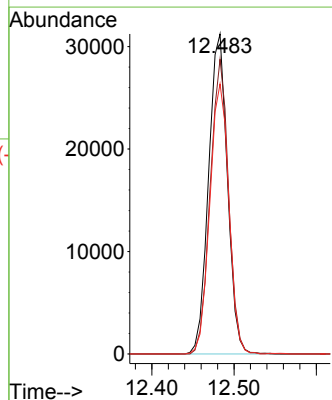
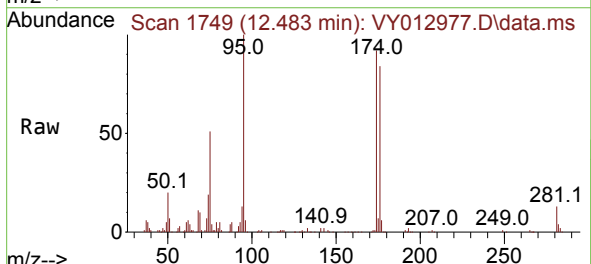
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MAPLE-4

Tgt Ion: 98 Resp: 165073  
Ion Ratio Lower Upper  
98 100  
100 63.8 50.9 76.3

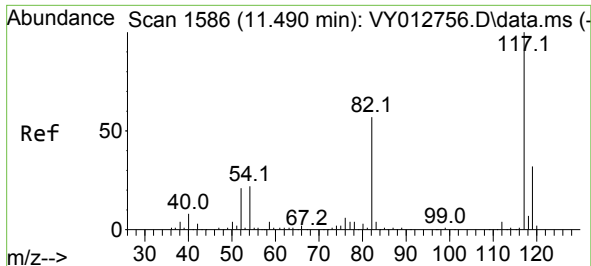


#62  
4-Bromofluorobenzene  
Concen: 48.068 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY012977.D  
Acq: 16 Mar 2023 17:52

Tgt Ion: 95 Resp: 49630  
Ion Ratio Lower Upper  
95 100  
174 90.1 0.0 176.6  
176 85.6 0.0 170.2



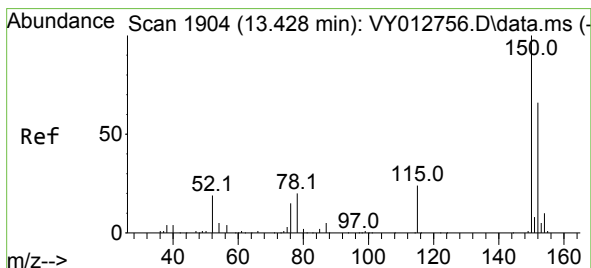
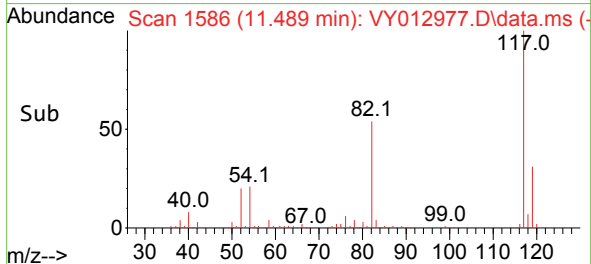
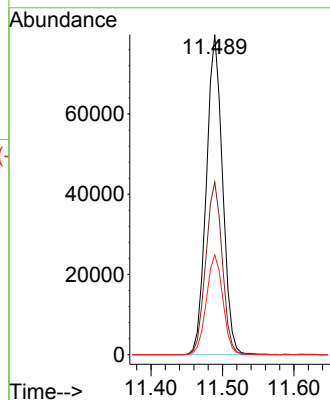
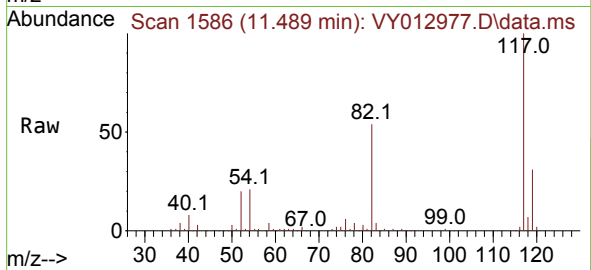




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY012977.D  
Acq: 16 Mar 2023 17:52

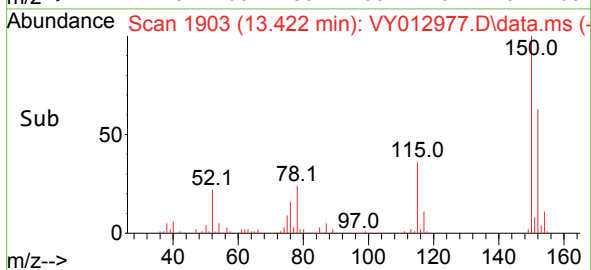
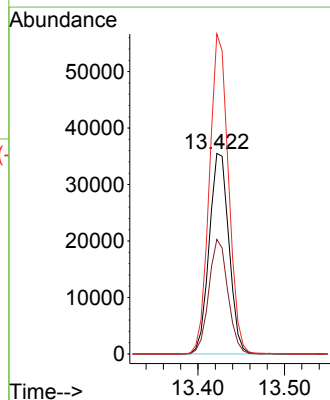
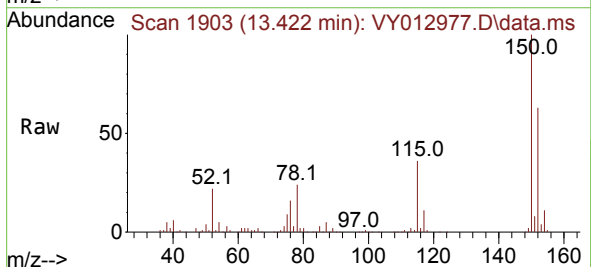
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MAPLE-4

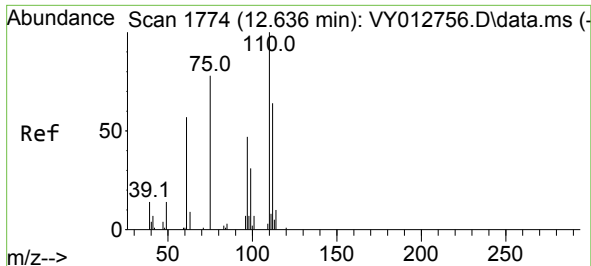
Tgt Ion:117 Resp: 125539  
Ion Ratio Lower Upper  
117 100  
82 54.0 45.4 68.0  
119 31.2 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.006 min  
Lab File: VY012977.D  
Acq: 16 Mar 2023 17:52

Tgt Ion:152 Resp: 56156  
Ion Ratio Lower Upper  
152 100  
115 55.2 27.1 81.3  
150 154.6 0.0 347.8

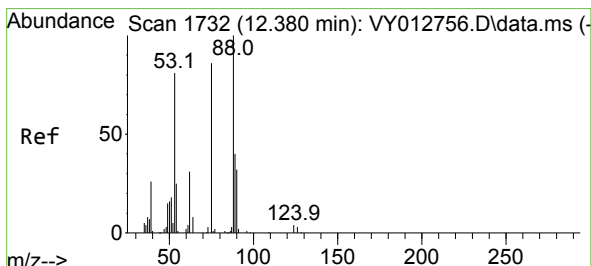
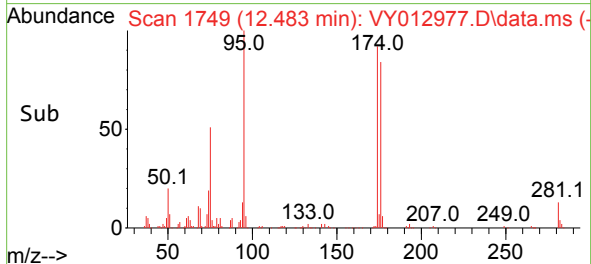
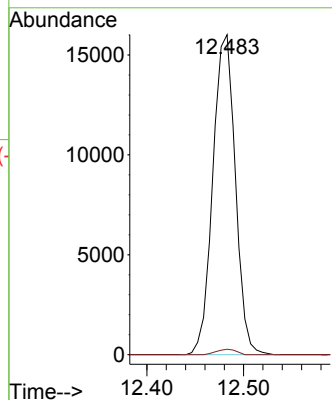
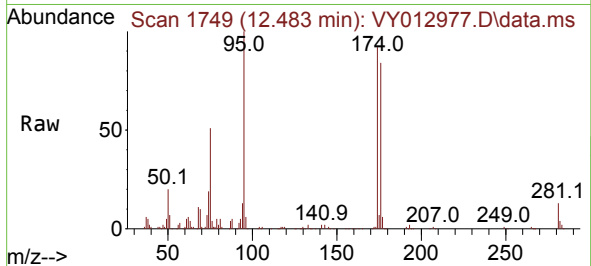




#76  
1,2,3-Trichloropropane  
Concen: 38.626 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY012977.D  
Acq: 16 Mar 2023 17:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MAPLE-4

Tgt Ion: 75 Resp: 25902  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 80.033 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.103 min  
Lab File: VY012977.D  
Acq: 16 Mar 2023 17:52

Tgt Ion: 75 Resp: 25902  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.4 110.0#  
89 0.0 36.6 55.0#

