

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021523\  
 Data File : VY012610.D  
 Acq On : 15 Feb 2023 13:20  
 Operator : KP/MD  
 Sample : 01552-14  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 16 00:54:00 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020723S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 08 01:09:03 2023  
 Response via : Initial Calibration

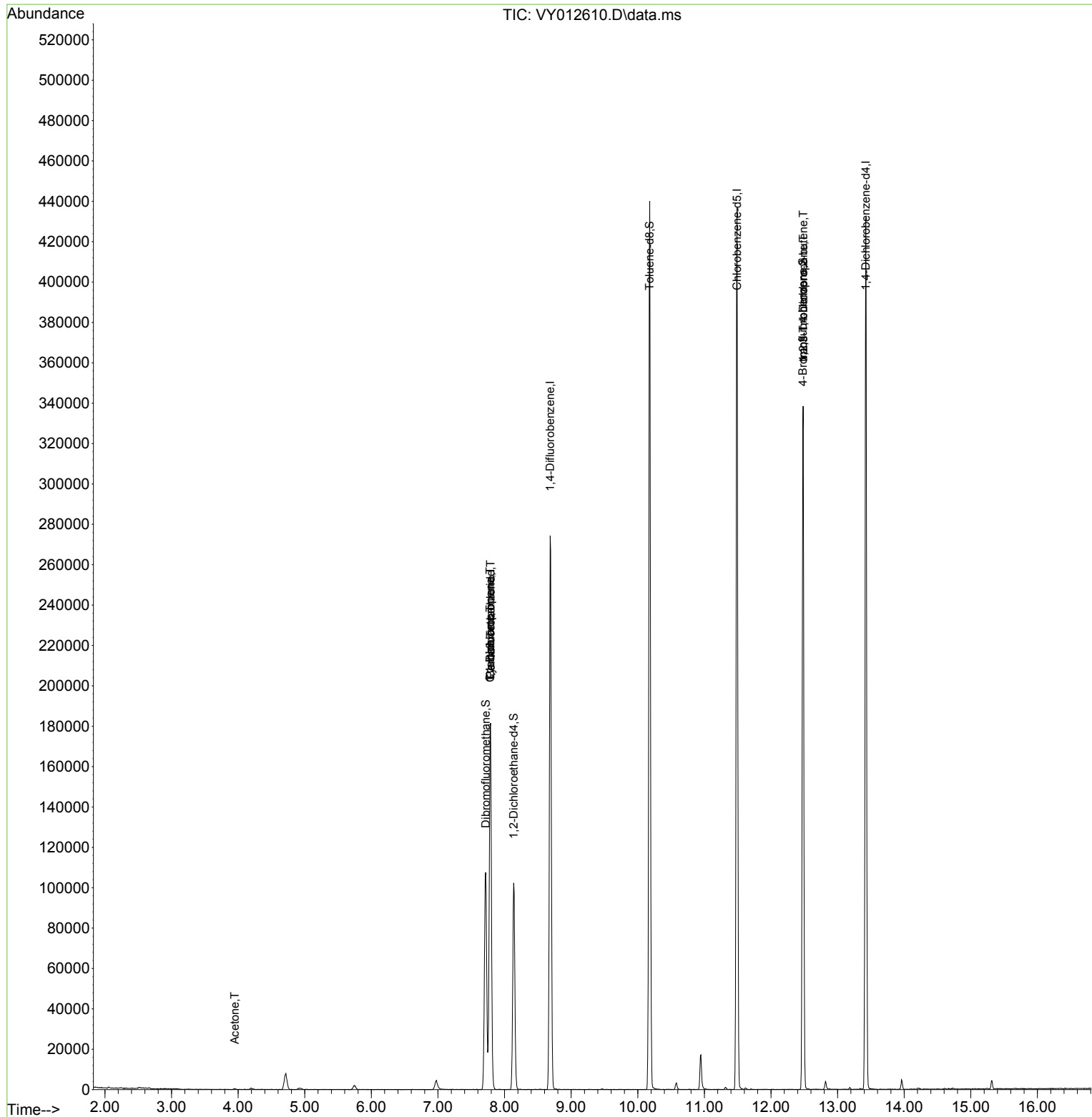
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 7.789          | 168  | 148649     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685          | 114  | 247503     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490         | 117  | 250877     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422         | 152  | 119423     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.137          | 65   | 85367      | 45.162    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 90.320%   |        |          |
| 35) Dibromofluoromethane      | 7.716          | 113  | 74124      | 41.124    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 82.240%   |        |          |
| 50) Toluene-d8                | 10.179         | 98   | 296246     | 39.487    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = | 78.980%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.477         | 95   | 100140     | 38.267    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = | 76.540%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
| 5) Bromomethane               | 2.668          | 94   | 179        | Below Cal | #      | 46       |
| 11) Tert butyl alcohol        | 4.924          | 59   | 823        | Below Cal | #      | 75       |
| 16) Acetone                   | 3.948          | 43   | 591        | 1.299     | ug/l   | 92       |
| 20) Methylene Chloride        | 4.716          | 84   | 6561       | Below Cal |        | 97       |
| 31) Cyclohexane               | 7.783          | 56   | 2598       | 1.189     | ug/l # | 32       |
| 36) 1,1-Dichloropropene       | 7.783          | 75   | 9748       | 3.996     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.789          | 117  | 14208      | 4.339     | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 52657      | 39.466    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 52657      | 88.998    | ug/l # | 12       |
| -----                         |                |      |            |           |        |          |

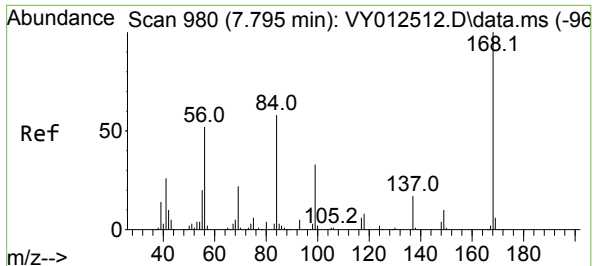
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021523\  
Data File : VY012610.D  
Acq On : 15 Feb 2023 13:20  
Operator : KP/MD  
Sample : 01552-14  
Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

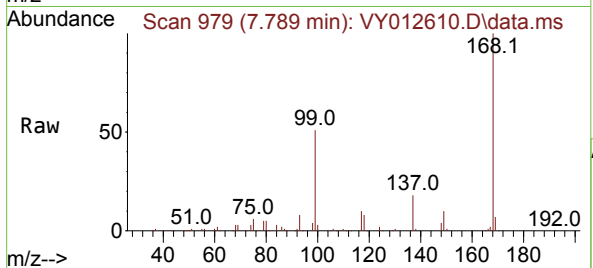
Quant Time: Feb 16 00:54:00 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020723S.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 08 01:09:03 2023  
Response via : Initial Calibration



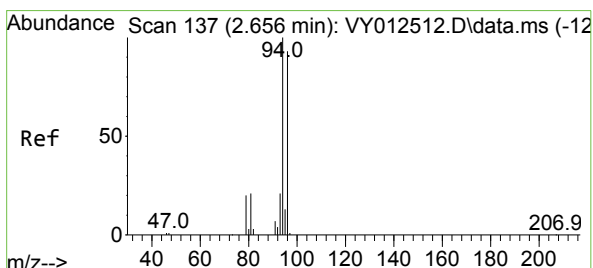
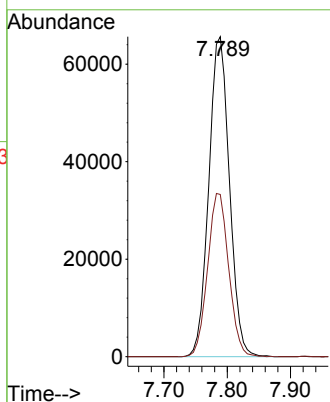
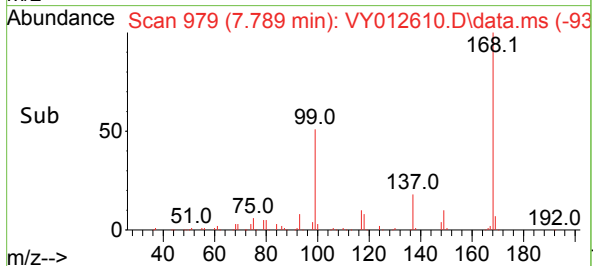


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY012610.D  
Acq: 15 Feb 2023 13:20

Instrument :  
MSVOA\_Y  
ClientSampleId :

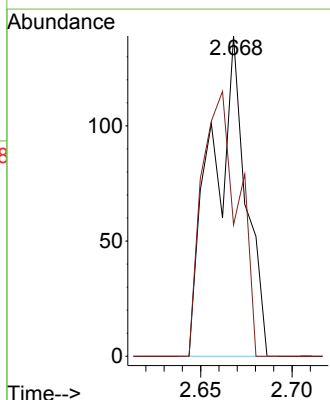
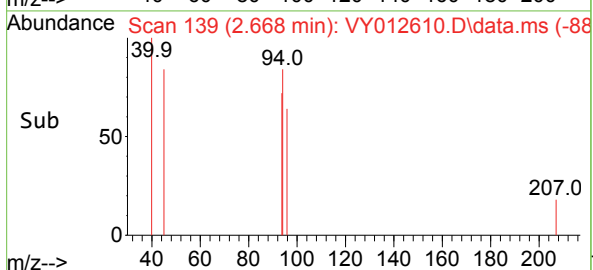
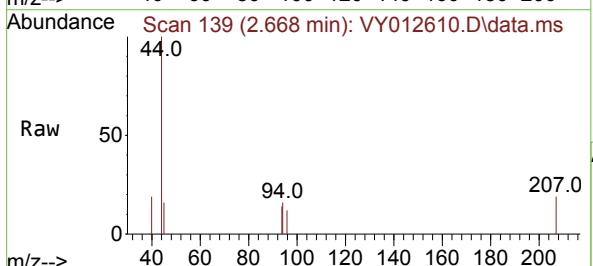


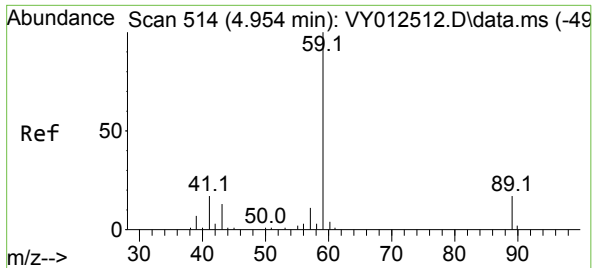
Tgt Ion:168 Resp: 148649  
Ion Ratio Lower Upper  
168 100  
99 50.7 40.8 61.2



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.668 min Scan# 139  
Delta R.T. 0.012 min  
Lab File: VY012610.D  
Acq: 15 Feb 2023 13:20

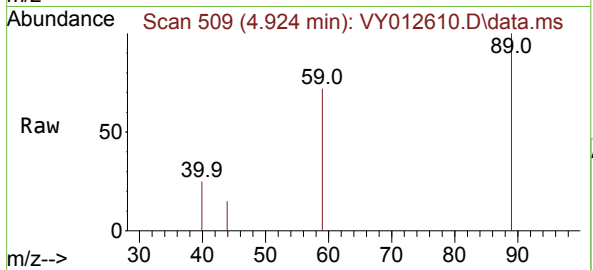
Tgt Ion: 94 Resp: 179  
Ion Ratio Lower Upper  
94 100  
96 41.0 74.7 112.1#



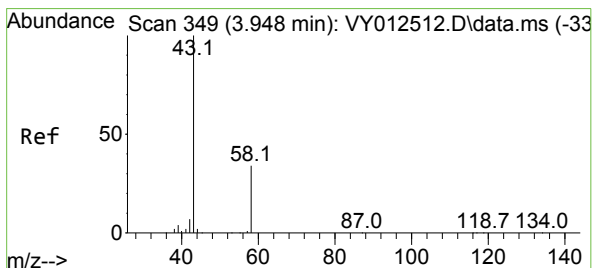
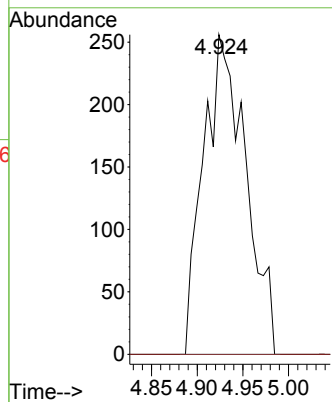
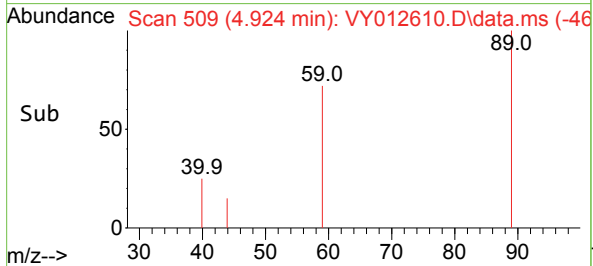


#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.924 min Scan# 509  
Delta R.T. -0.030 min  
Lab File: VY012610.D  
Acq: 15 Feb 2023 13:20

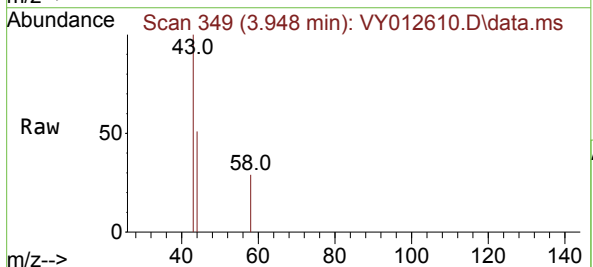
Instrument :  
MSVOA\_Y  
ClientSampleId :



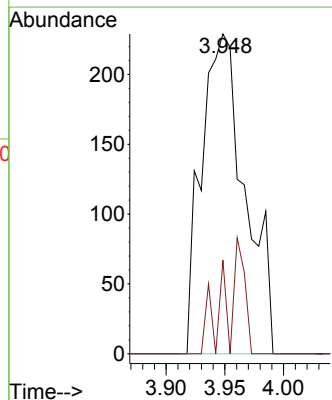
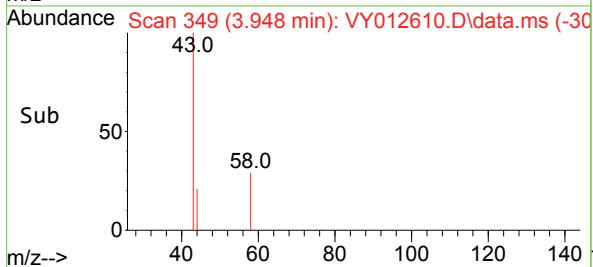
Tgt Ion: 59 Resp: 823  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.2 10.8#

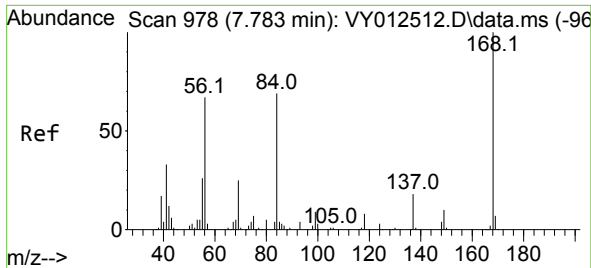


#16  
Acetone  
Concen: 1.299 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.000 min  
Lab File: VY012610.D  
Acq: 15 Feb 2023 13:20



Tgt Ion: 43 Resp: 591  
Ion Ratio Lower Upper  
43 100  
58 29.3 27.1 40.7

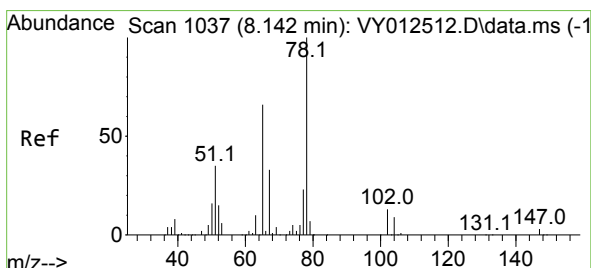
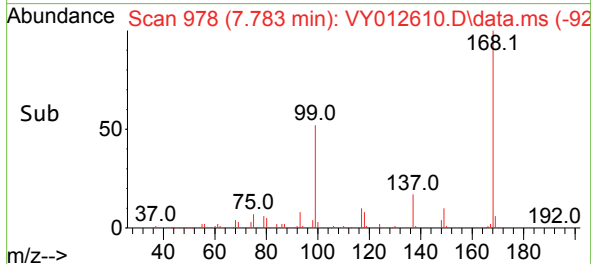
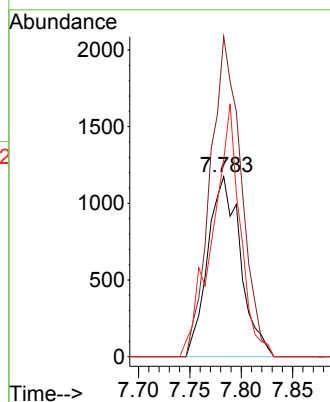
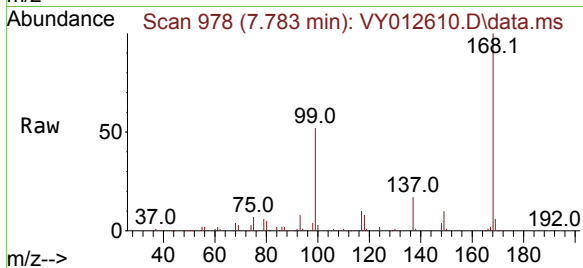




#31  
Cyclohexane  
Concen: 1.189 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY012610.D  
Acq: 15 Feb 2023 13:20

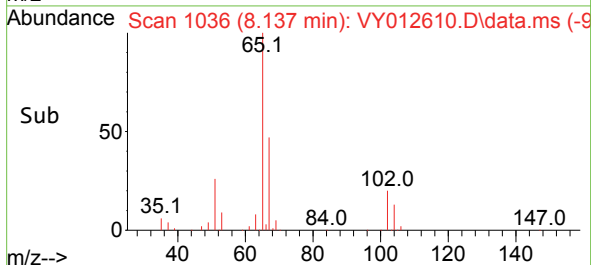
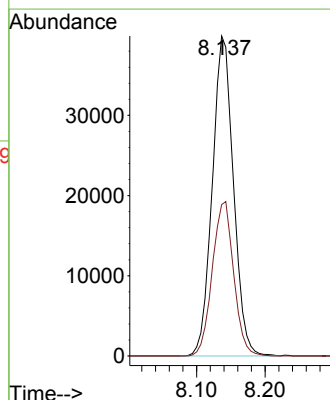
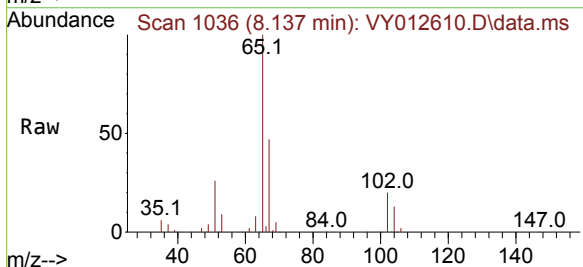
Instrument :  
MSVOA\_Y  
ClientSampleId :

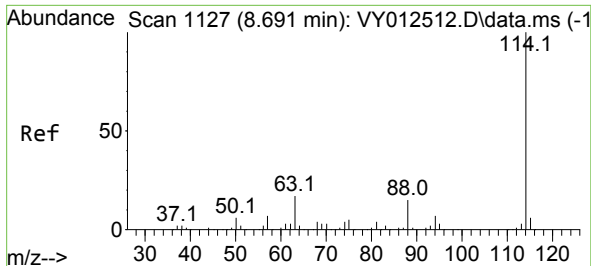
Tgt Ion: 56 Resp: 2598  
Ion Ratio Lower Upper  
56 100  
69 177.6 29.5 44.3#  
84 109.1 81.9 122.9



#33  
1,2-Dichloroethane-d4  
Concen: 45.162 ug/l  
RT: 8.137 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VY012610.D  
Acq: 15 Feb 2023 13:20

Tgt Ion: 65 Resp: 85367  
Ion Ratio Lower Upper  
65 100  
67 48.8 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012610.D

Acq: 15 Feb 2023 13:20

Instrument :

MSVOA\_Y

ClientSampleId :

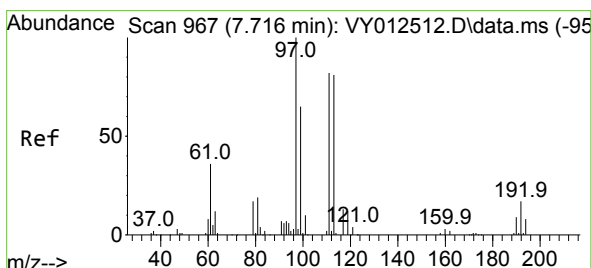
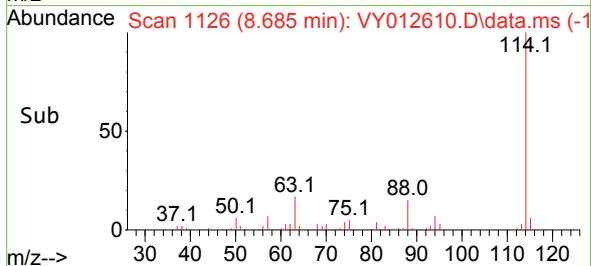
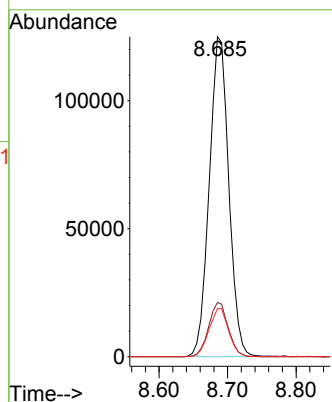
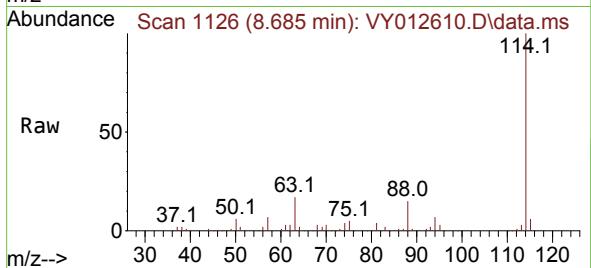
Tgt Ion:114 Resp: 247503

Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.6

88 15.0 0.0 29.8



#35

Dibromofluoromethane

Concen: 41.124 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012610.D

Acq: 15 Feb 2023 13:20

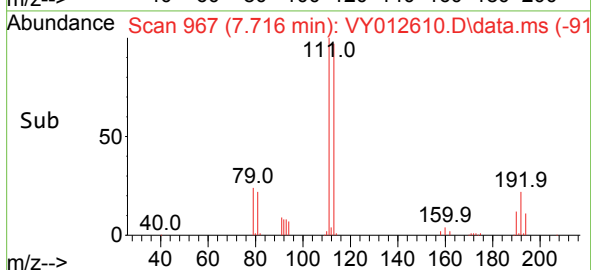
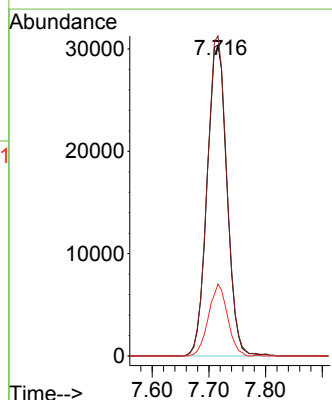
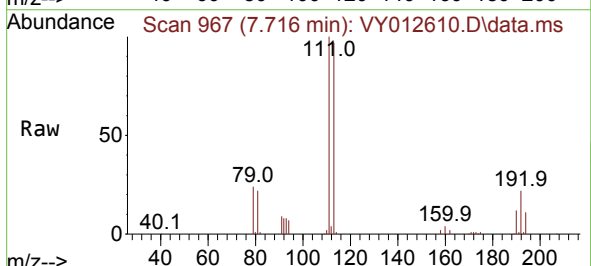
Tgt Ion:113 Resp: 74124

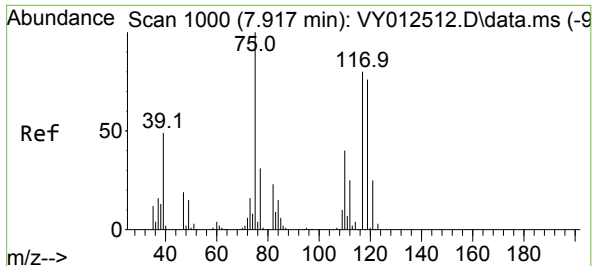
Ion Ratio Lower Upper

113 100

111 102.0 81.9 122.9

192 22.0 17.5 26.3





#36

1,1-Dichloropropene

Concen: 3.996 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY012610.D

Acq: 15 Feb 2023 13:20

Instrument :

MSVOA\_Y

ClientSampleId :

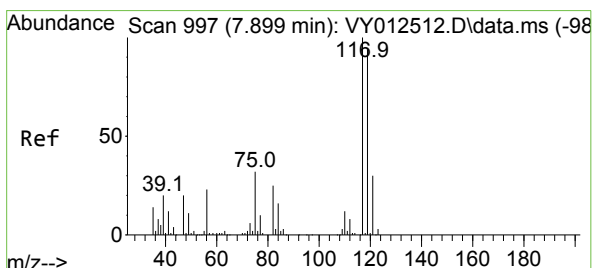
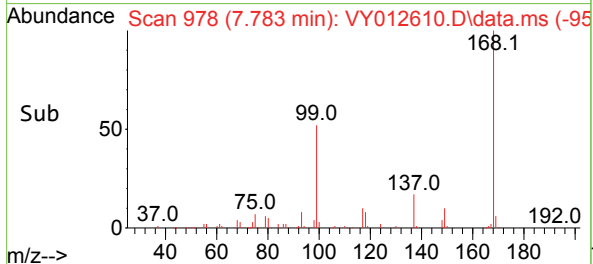
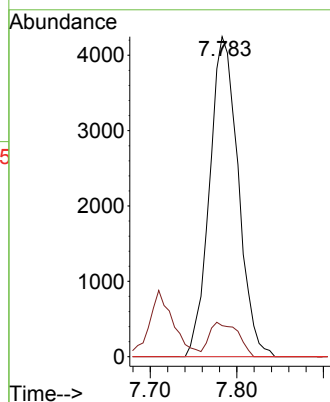
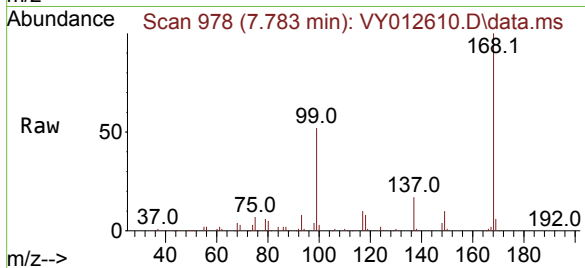
Tgt Ion: 75 Resp: 9748

Ion Ratio Lower Upper

75 100

110 10.7 19.5 58.5#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 4.339 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012610.D

Acq: 15 Feb 2023 13:20

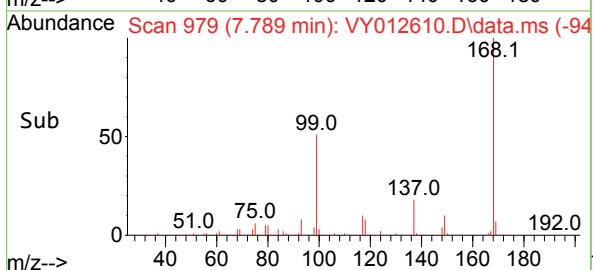
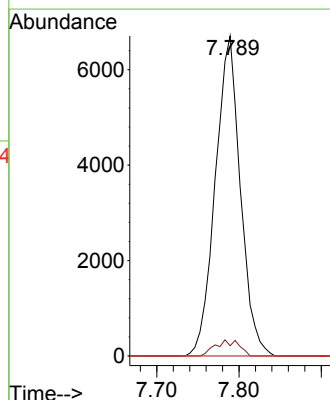
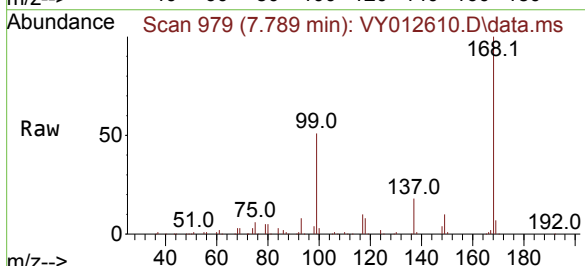
Tgt Ion: 117 Resp: 14208

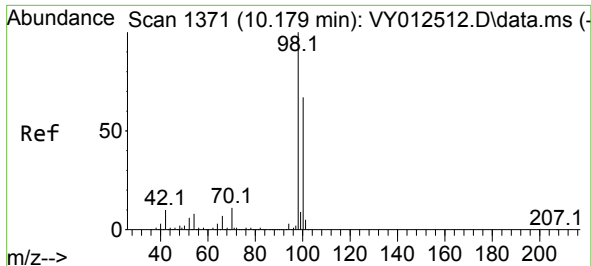
Ion Ratio Lower Upper

117 100

119 3.2 75.1 112.7#

121 0.0 24.3 36.5#

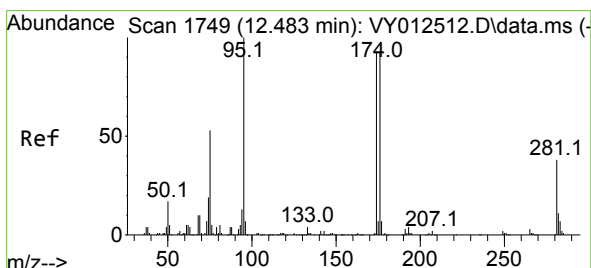
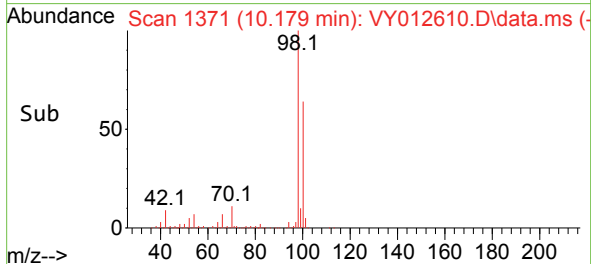
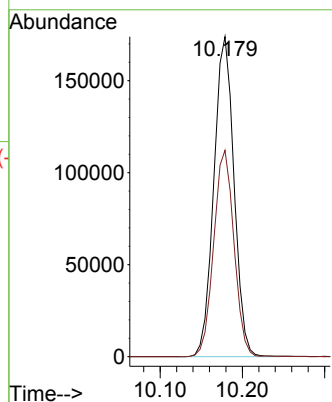
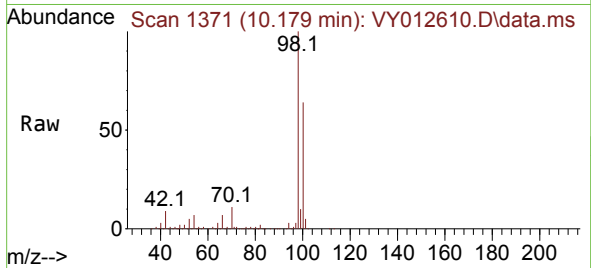




#50  
Toluene-d8  
Concen: 39.487 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012610.D  
Acq: 15 Feb 2023 13:20

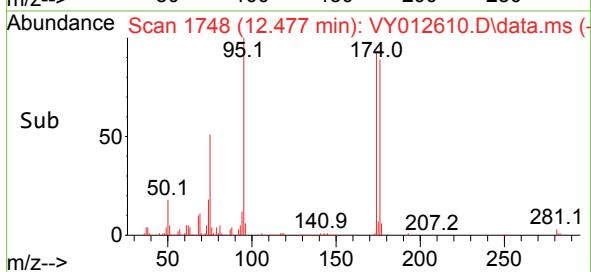
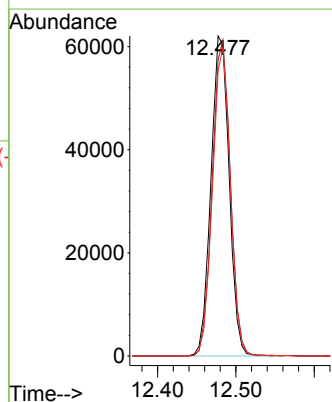
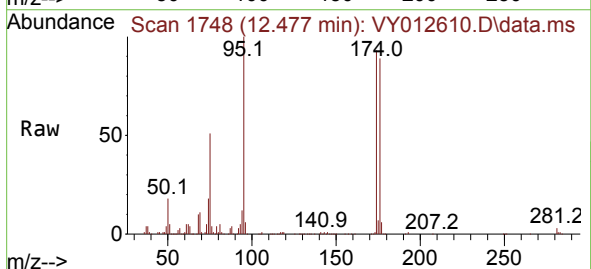
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 98 Resp: 296246  
Ion Ratio Lower Upper  
98 100  
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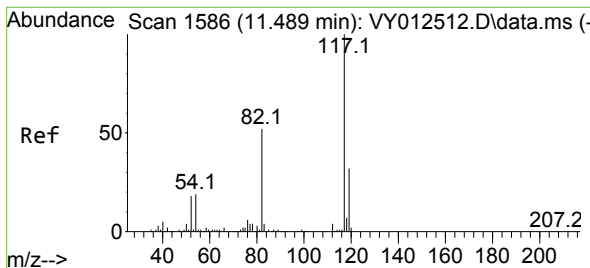


#62  
4-Bromofluorobenzene  
Concen: 38.267 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY012610.D  
Acq: 15 Feb 2023 13:20

Tgt Ion: 95 Resp: 100140  
Ion Ratio Lower Upper  
95 100  
174 98.1 0.0 188.0  
176 94.3 0.0 183.6







#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012610.D

Acq: 15 Feb 2023 13:20

Instrument :

MSVOA\_Y

ClientSampleId :

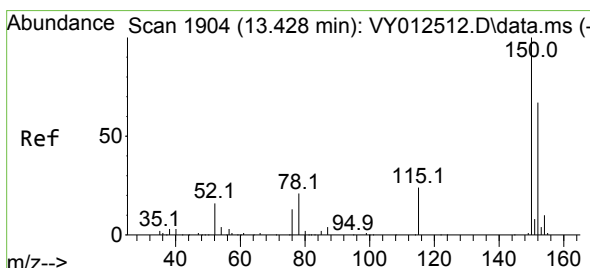
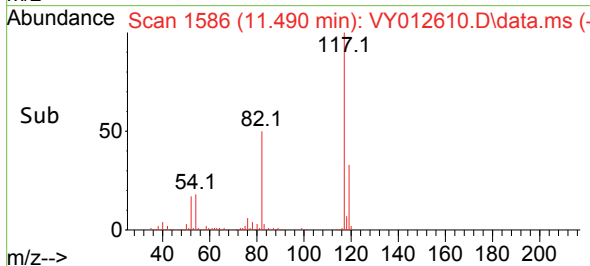
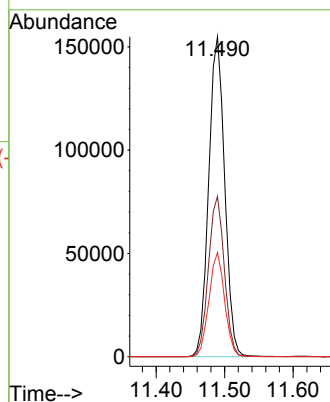
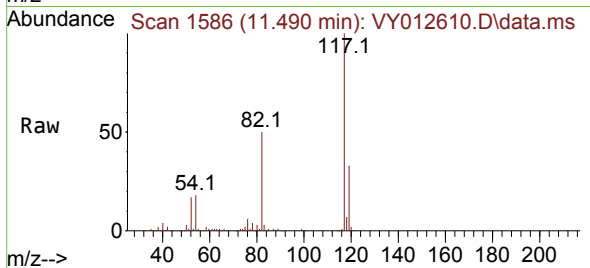
Tgt Ion:117 Resp: 250877

Ion Ratio Lower Upper

117 100

82 50.1 41.7 62.5

119 32.6 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY012610.D

Acq: 15 Feb 2023 13:20

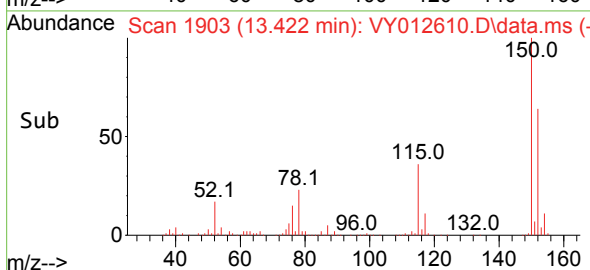
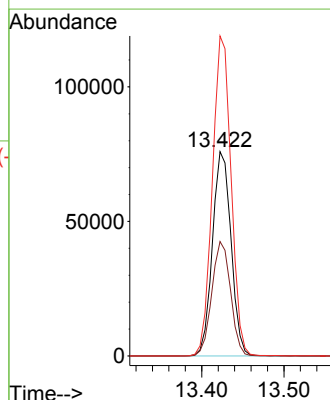
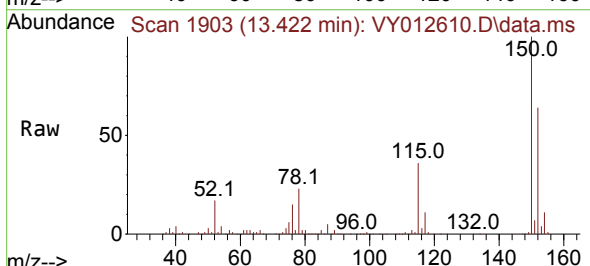
Tgt Ion:152 Resp: 119423

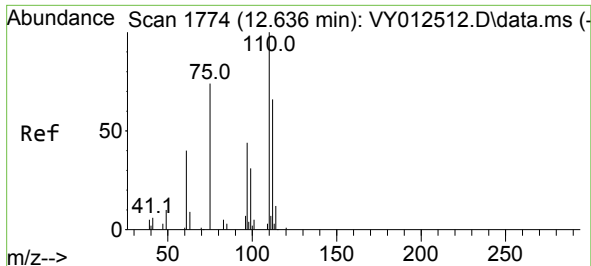
Ion Ratio Lower Upper

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115 56.4 28.1 84.3

150 157.0 0.0 351.0

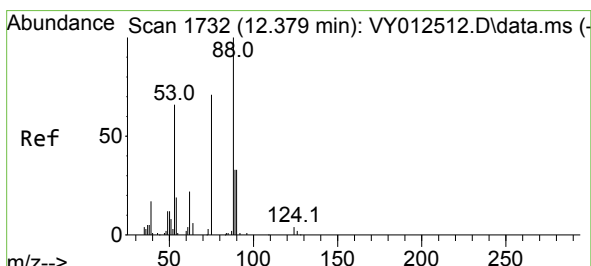
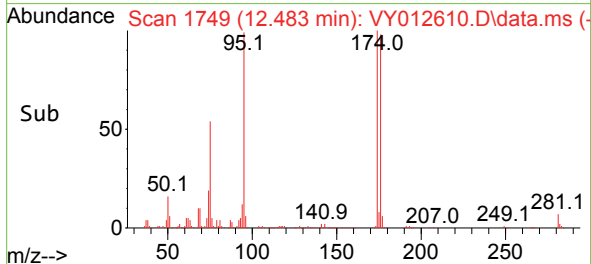
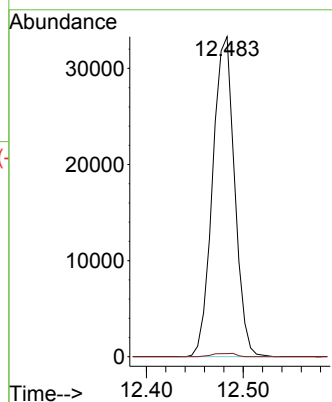
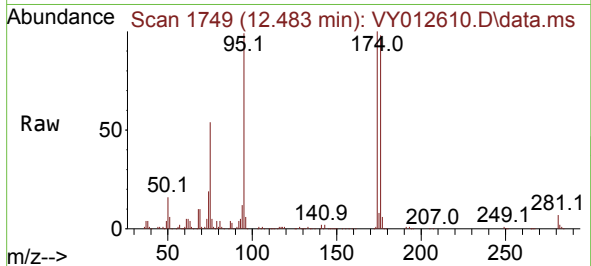




#76  
 1,2,3-Trichloropropane  
 Concen: 39.466 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.152 min  
 Lab File: VY012610.D  
 Acq: 15 Feb 2023 13:20

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion: 75 Resp: 52657  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 0.0 0.0#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 88.998 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. 0.104 min  
 Lab File: VY012610.D  
 Acq: 15 Feb 2023 13:20

Tgt Ion: 75 Resp: 52657  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 73.1 109.7#  
 89 0.1 39.9 59.9#

