

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042423\  
 Data File : VY013429.D  
 Acq On : 25 Apr 2023 05:24  
 Operator : KP/MD  
 Sample : 02423-02  
 Misc : 4.26g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SPD-1WC-23-04-18

Quant Time: Apr 25 07:17:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

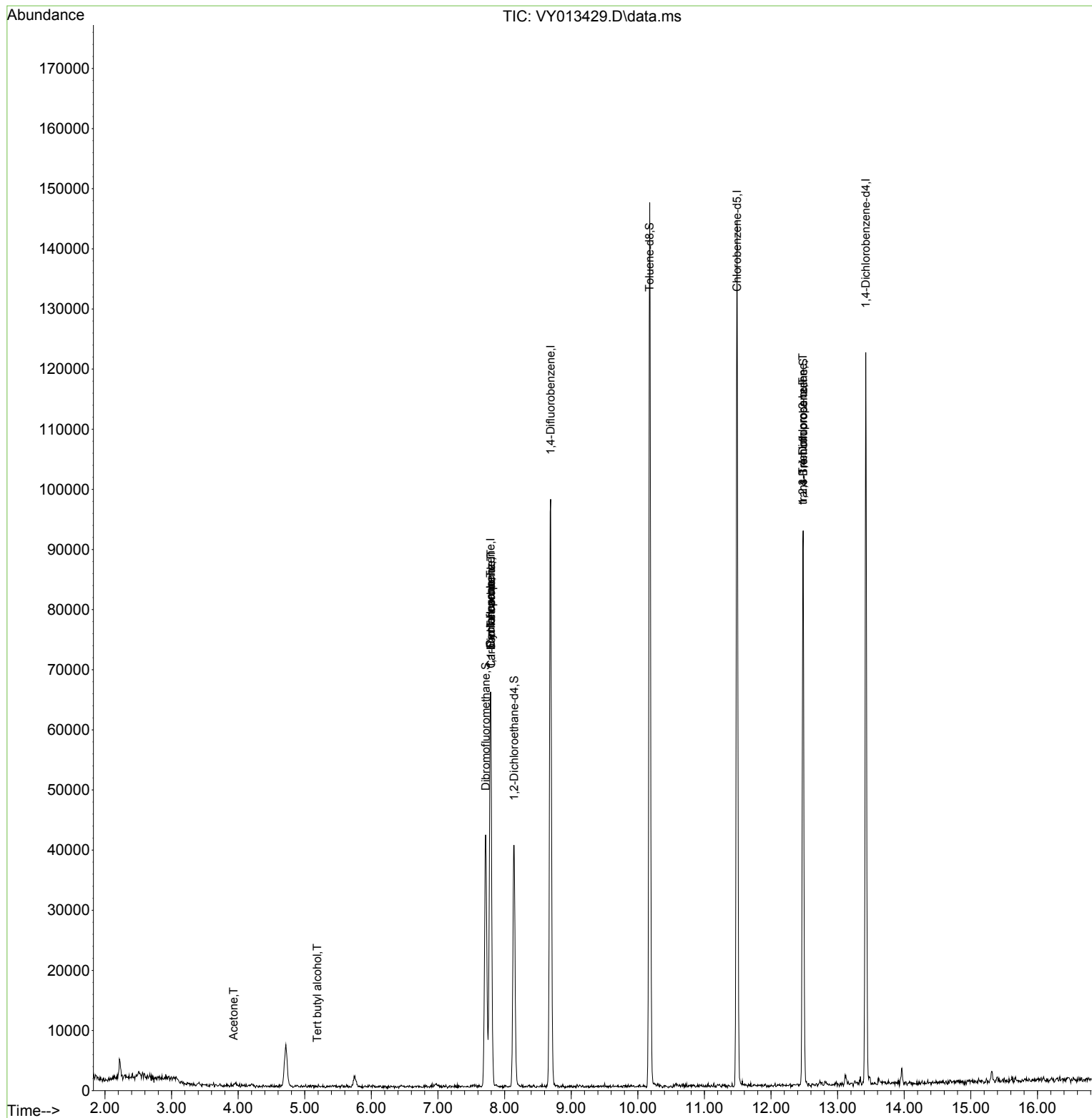
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789     | 168   | 52323    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691     | 114   | 80719    | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489    | 117   | 74712    | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152   | 29950    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.142     | 65    | 31694    | 55.257    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 110.520% |          |
| 35) Dibromofluoromethane      | 7.716     | 113   | 28955    | 57.033    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 114.060% |          |
| 50) Toluene-d8                | 10.179    | 98    | 96747    | 53.568    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery  | = 107.140% |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 27605    | 45.339    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery  | = 90.680%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 5.186     | 59    | 23       | 1.005     | ug/l #     | 89       |
| 16) Acetone                   | 3.930     | 43    | 316      | 1.399     | ug/l #     | 43       |
| 20) Methylene Chloride        | 4.716     | 84    | 4930     | Below Cal |            | 90       |
| 31) Cyclohexane               | 7.789     | 56    | 1248     | 1.215     | ug/l #     | 15       |
| 36) 1,1-Dichloropropene       | 7.795     | 75    | 3971     | 4.713     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.795     | 117   | 5141     | 5.821     | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.477    | 75    | 14004    | 34.671    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477    | 75    | 14004    | 70.921    | ug/l #     | 12       |
| -----                         |           |       |          |           |            |          |

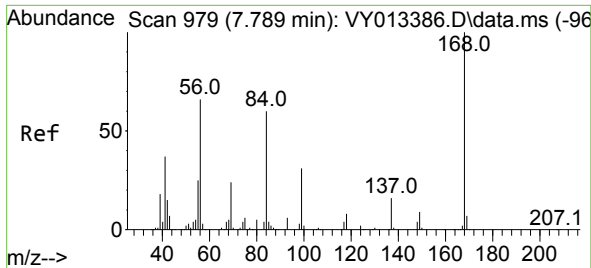
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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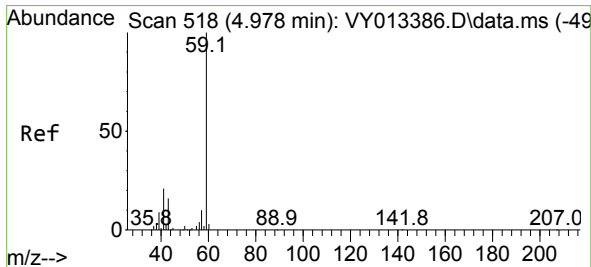
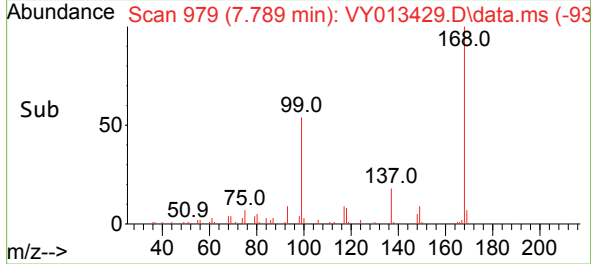
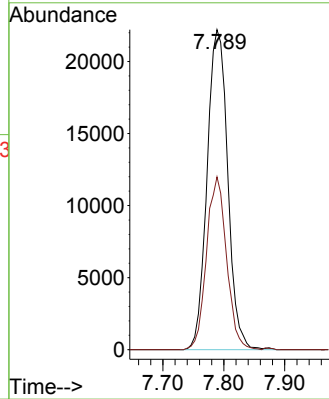
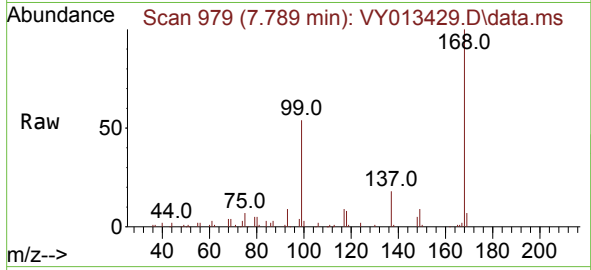




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013429.D  
Acq: 25 Apr 2023 05:24

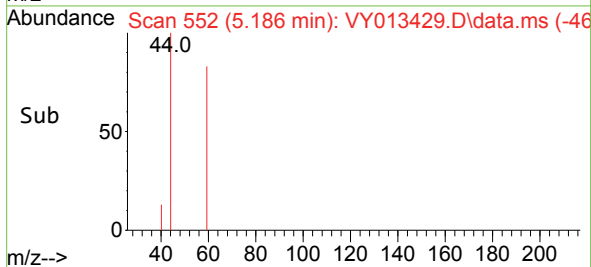
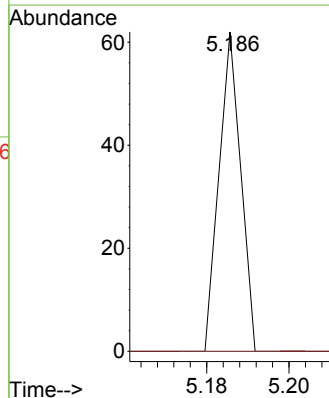
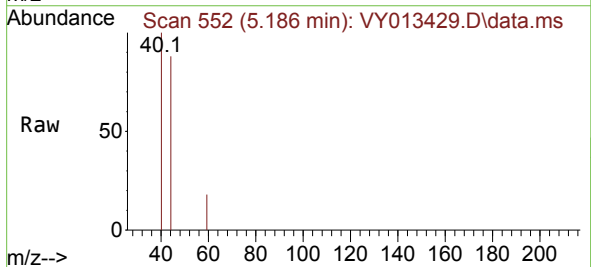
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SPD-1WC-23-04-18

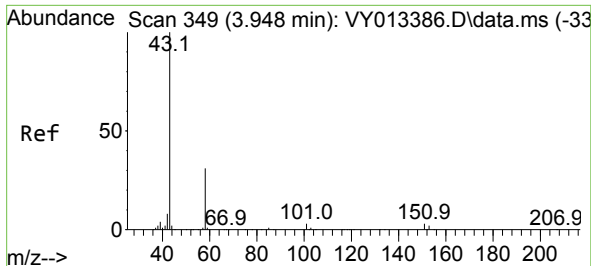
Tgt Ion:168 Resp: 52323  
Ion Ratio Lower Upper  
168 100  
99 54.0 41.8 62.6



#11  
Tert butyl alcohol  
Concen: 1.005 ug/l  
RT: 5.186 min Scan# 552  
Delta R.T. 0.208 min  
Lab File: VY013429.D  
Acq: 25 Apr 2023 05:24

Tgt Ion: 59 Resp: 23  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.4#





#16

Acetone

Concen: 1.399 ug/l

RT: 3.930 min Scan# 34

Delta R.T. -0.018 min

Lab File: VY013429.D

Acq: 25 Apr 2023 05:24

Instrument :

MSVOA\_Y

ClientSampleId :

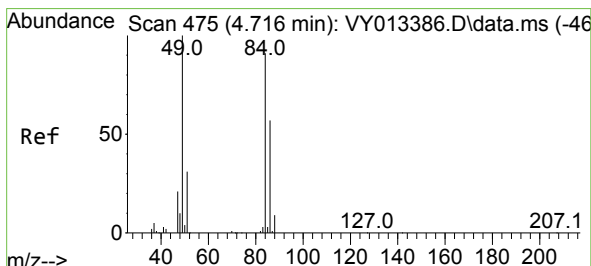
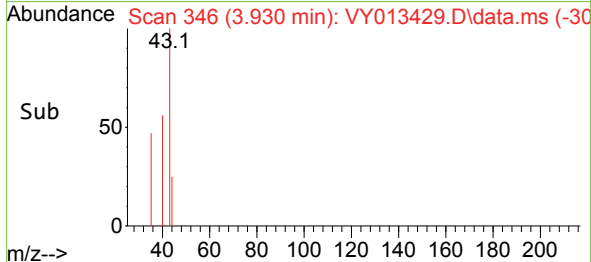
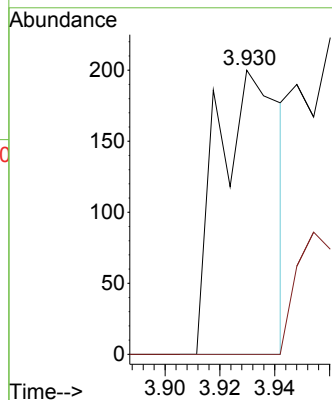
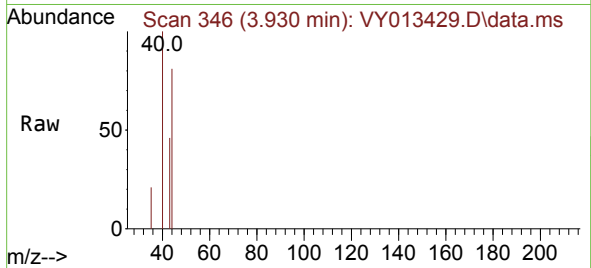
SPD-1WC-23-04-18

Tgt Ion: 43 Resp: 316

Ion Ratio Lower Upper

43 100

58 0.0 25.4 38.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY013429.D

Acq: 25 Apr 2023 05:24

Tgt Ion: 84 Resp: 4930

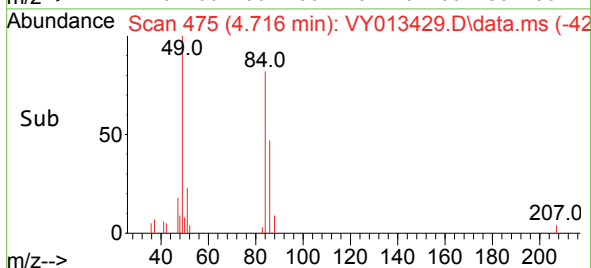
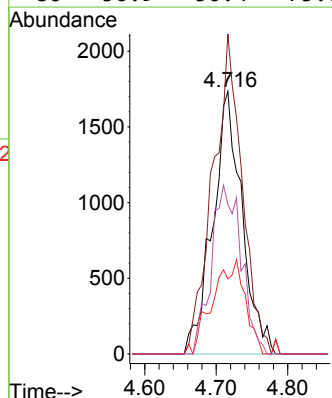
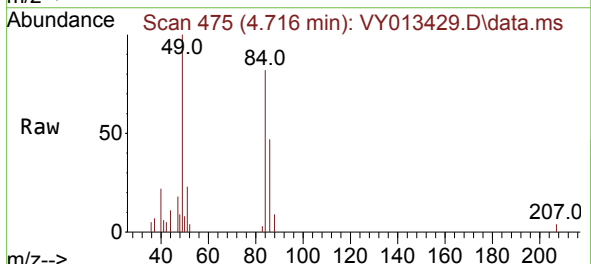
Ion Ratio Lower Upper

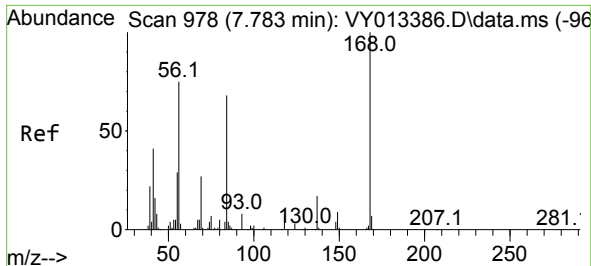
84 100

49 121.9 88.0 132.0

51 28.6 27.4 41.0

86 56.9 50.4 75.6

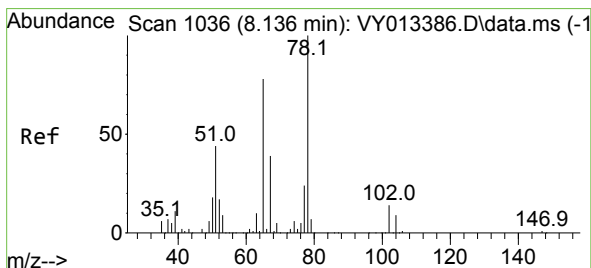
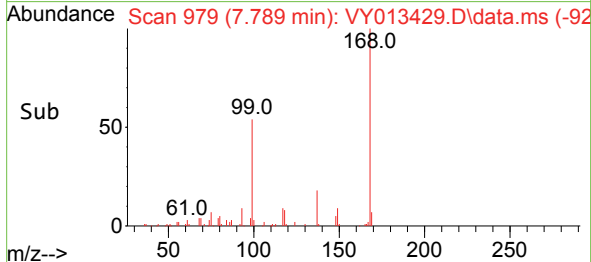
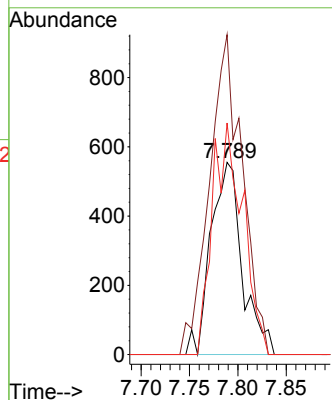
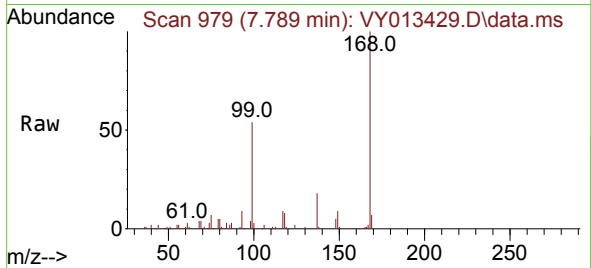




#31  
Cyclohexane  
Concen: 1.215 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY013429.D  
Acq: 25 Apr 2023 05:24

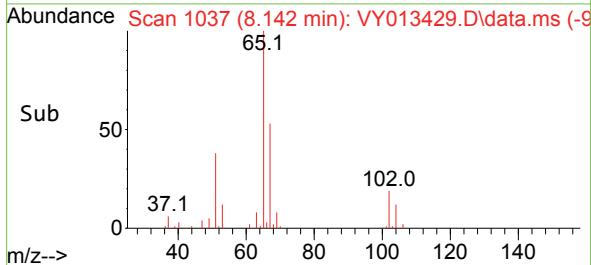
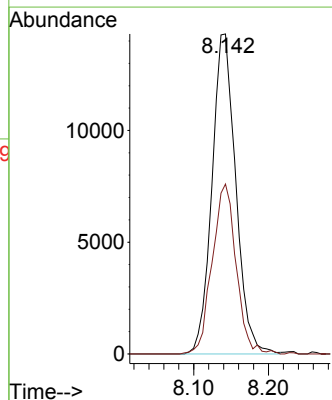
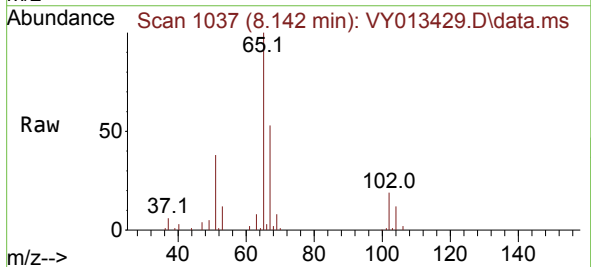
Instrument :  
MSVOA\_Y  
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SPD-1WC-23-04-18

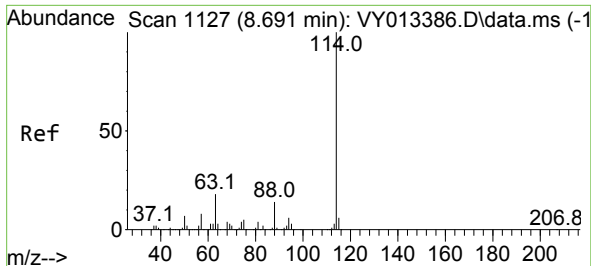
Tgt Ion: 56 Resp: 1248  
Ion Ratio Lower Upper  
56 100  
69 166.5 29.2 43.8#  
84 120.5 73.0 109.6#



#33  
1,2-Dichloroethane-d4  
Concen: 55.257 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.006 min  
Lab File: VY013429.D  
Acq: 25 Apr 2023 05:24

Tgt Ion: 65 Resp: 31694  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 103.4

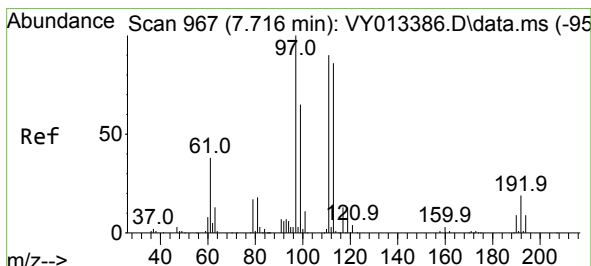
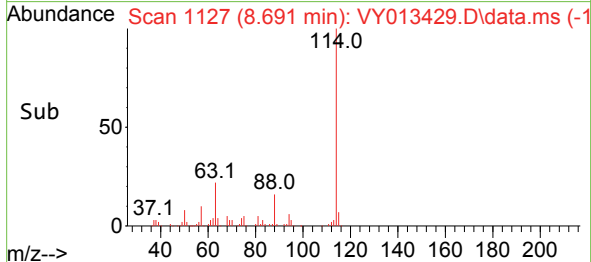
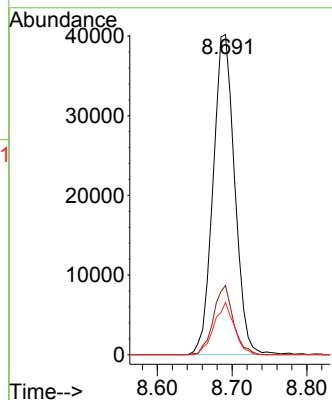
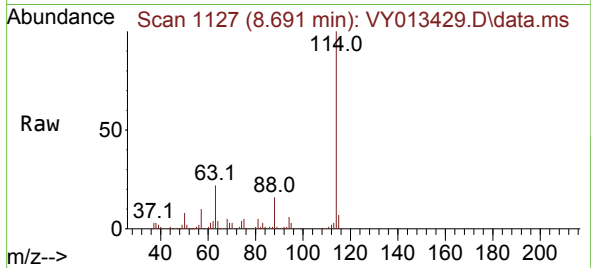




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VY013429.D  
Acq: 25 Apr 2023 05:24

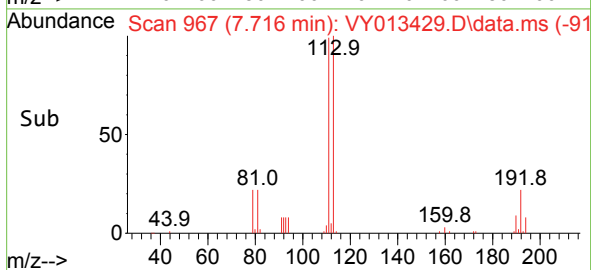
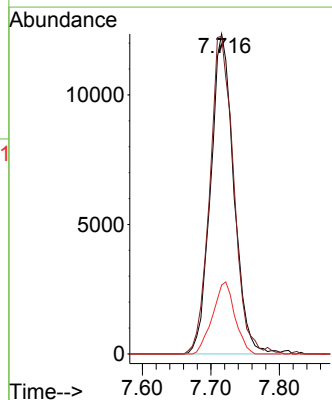
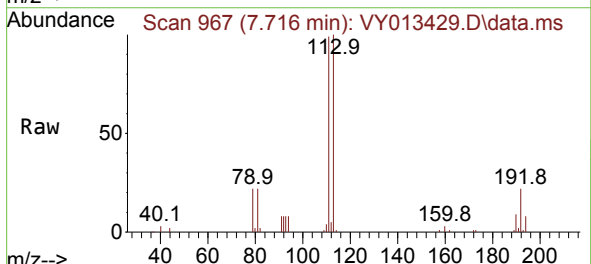
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SPD-1WC-23-04-18

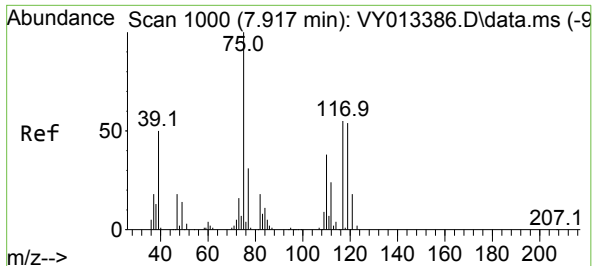
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 114   | Resp: | 80719 |
| Ion Ratio | Lower | Upper |       |
| 114       | 100   |       |       |
| 63        | 21.6  | 0.0   | 36.6  |
| 88        | 16.3  | 0.0   | 28.8  |



#35  
Dibromofluoromethane  
Concen: 57.033 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY013429.D  
Acq: 25 Apr 2023 05:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 28955 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 103.0 | 82.2  | 123.2 |
| 192       | 21.6  | 16.7  | 25.1  |

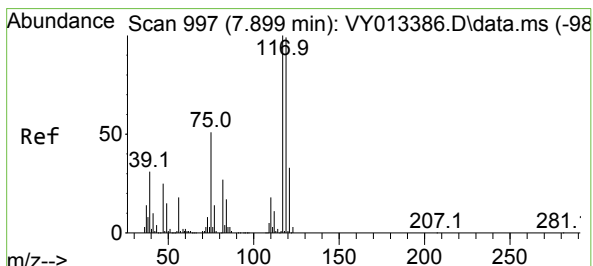
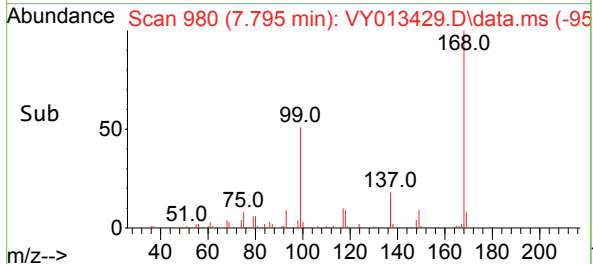
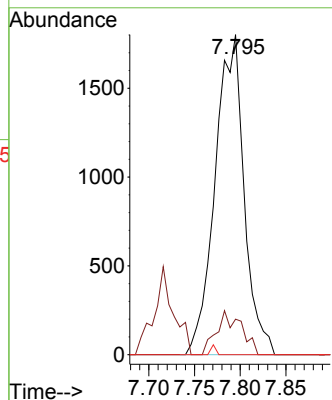
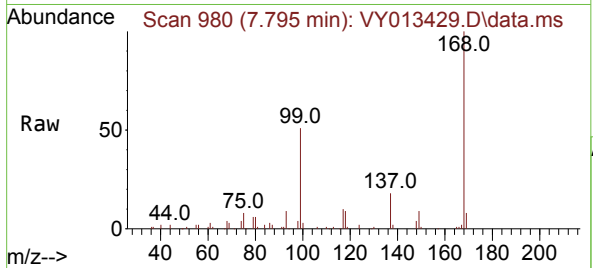




#36  
1,1-Dichloropropene  
Concen: 4.713 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.122 min  
Lab File: VY013429.D  
Acq: 25 Apr 2023 05:24

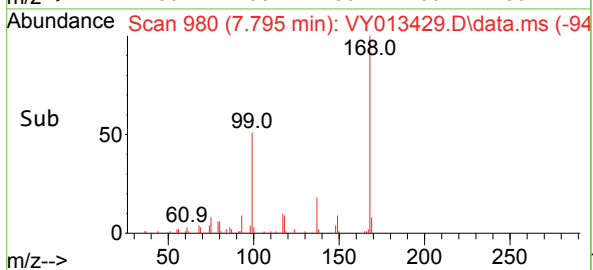
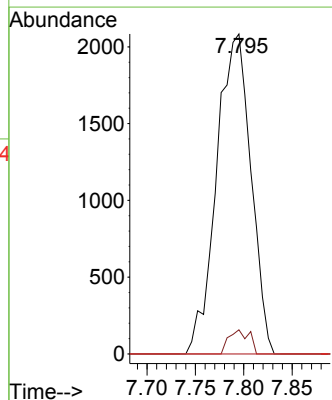
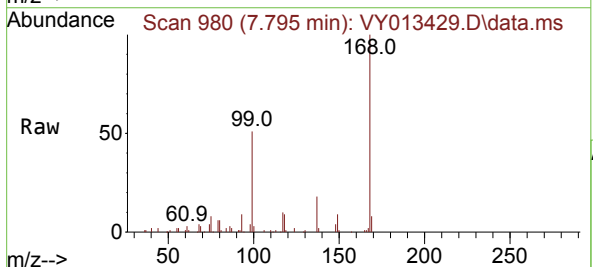
Instrument :  
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SPD-1WC-23-04-18

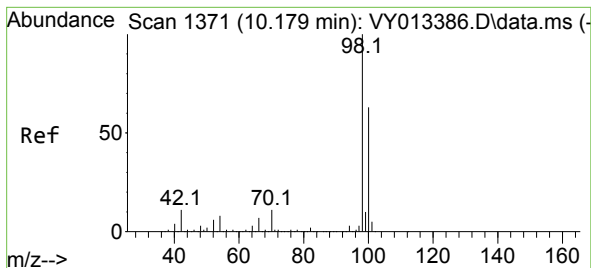
Tgt Ion: 75 Resp: 3971  
Ion Ratio Lower Upper  
75 100  
110 11.8 18.7 56.1#  
77 0.0 24.6 37.0#



#38  
Carbon Tetrachloride  
Concen: 5.821 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.104 min  
Lab File: VY013429.D  
Acq: 25 Apr 2023 05:24

Tgt Ion: 117 Resp: 5141  
Ion Ratio Lower Upper  
117 100  
119 7.5 79.0 118.6#  
121 0.0 26.6 40.0#





#50

Toluene-d8

Concen: 53.568 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013429.D

Acq: 25 Apr 2023 05:24

Instrument :

MSVOA\_Y

ClientSampleId :

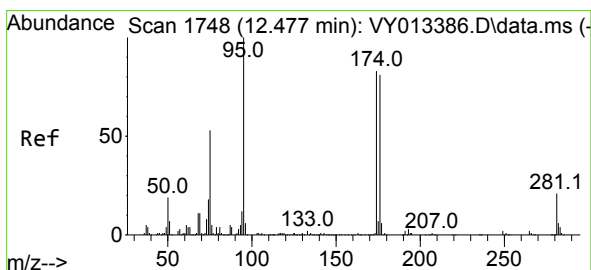
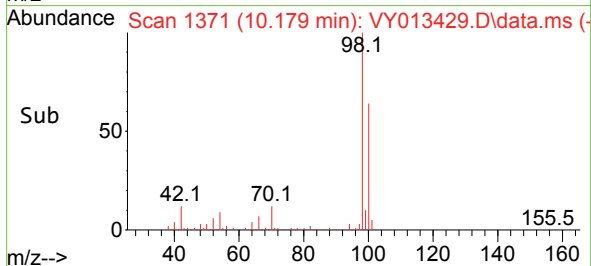
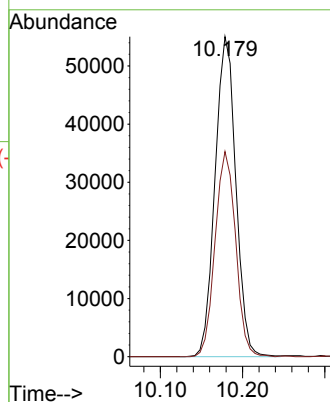
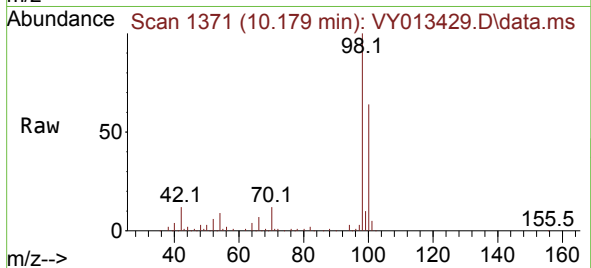
SPD-1WC-23-04-18

Tgt Ion: 98 Resp: 96747

Ion Ratio Lower Upper

98 100

100 63.3 50.5 75.7



#62

4-Bromofluorobenzene

Concen: 45.339 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY013429.D

Acq: 25 Apr 2023 05:24

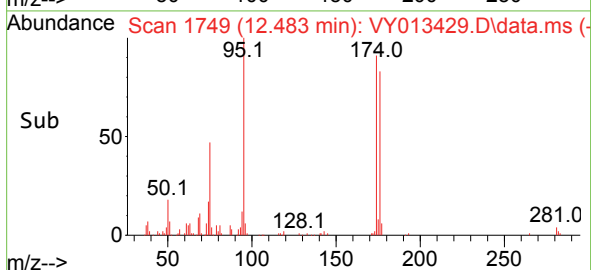
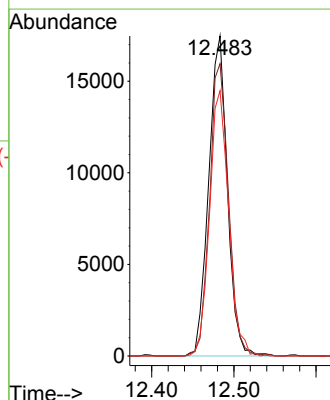
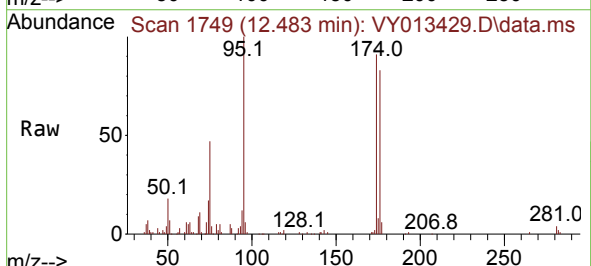
Tgt Ion: 95 Resp: 27605

Ion Ratio Lower Upper

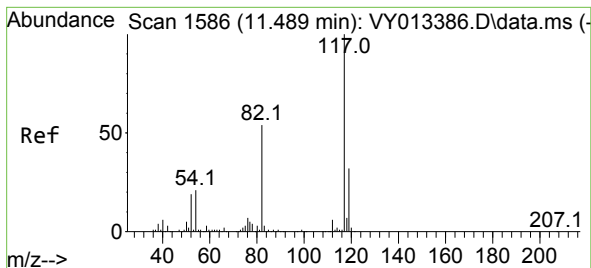
95 100

174 92.6 0.0 182.0

176 85.0 0.0 175.4







#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013429.D

Acq: 25 Apr 2023 05:24

Instrument :

MSVOA\_Y

ClientSampleId :

SPD-1WC-23-04-18

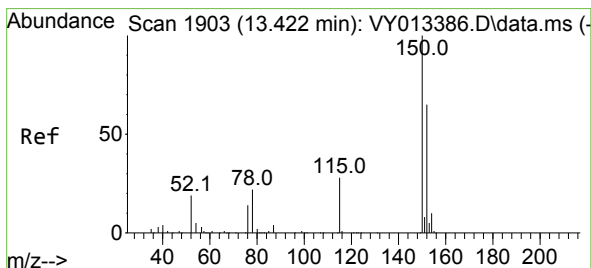
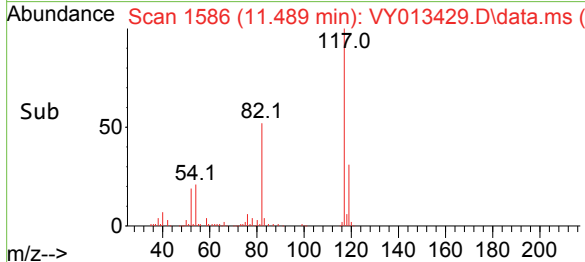
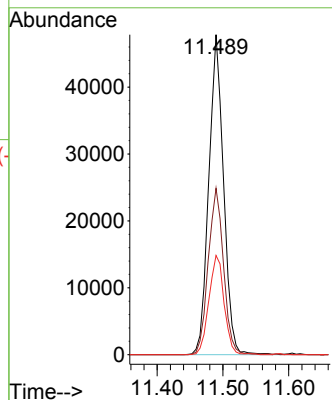
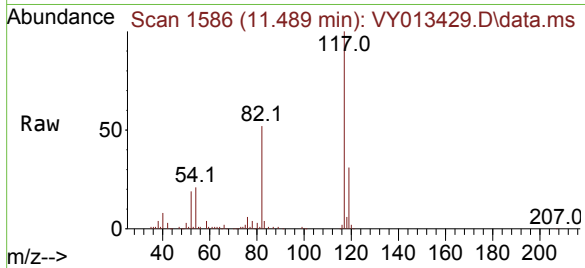
Tgt Ion:117 Resp: 74712

Ion Ratio Lower Upper

117 100

82 52.0 43.0 64.6

119 31.0 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY013429.D

Acq: 25 Apr 2023 05:24

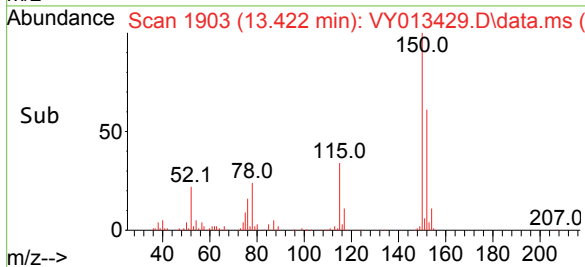
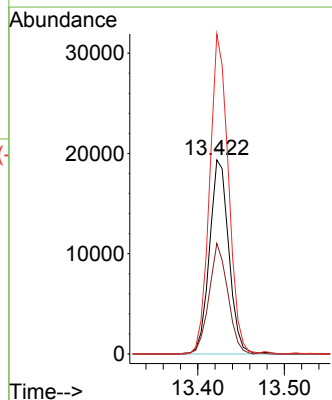
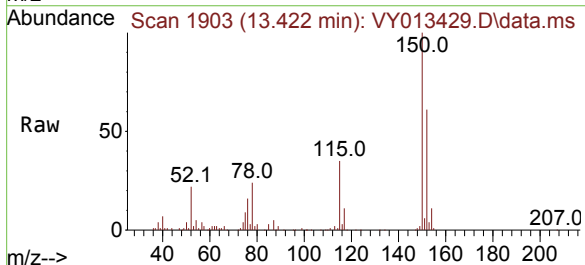
Tgt Ion:152 Resp: 29950

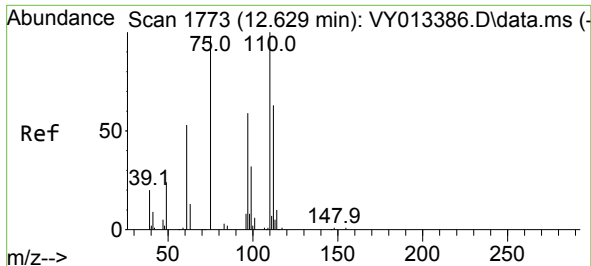
Ion Ratio Lower Upper

152 100

115 55.4 28.1 84.2

150 159.7 0.0 352.0

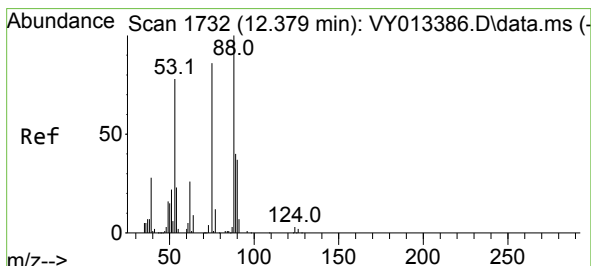
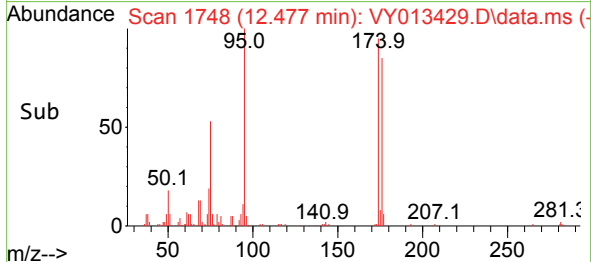
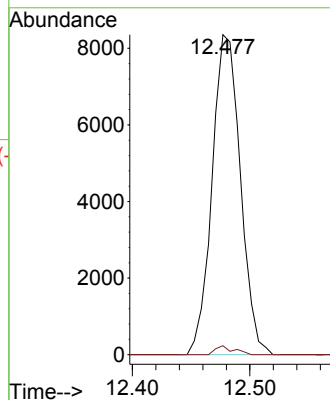
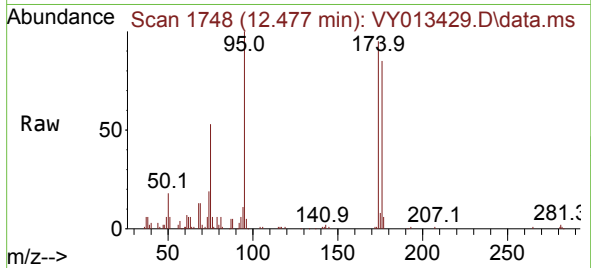




#76  
1,2,3-Trichloropropane  
Concen: 34.671 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.152 min  
Lab File: VY013429.D  
Acq: 25 Apr 2023 05:24

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SPD-1WC-23-04-18

Tgt Ion: 75 Resp: 14004  
Ion Ratio Lower Upper  
75 100  
77 1.8 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 70.921 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.098 min  
Lab File: VY013429.D  
Acq: 25 Apr 2023 05:24

Tgt Ion: 75 Resp: 14004  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.2 109.8#  
89 0.0 38.0 57.0#

