

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032723\  
 Data File : VY013087.D  
 Acq On : 27 Mar 2023 13:24  
 Operator : KP/MD  
 Sample : 02045-08  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC2-20230322

Quant Time: Mar 27 16:17:53 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

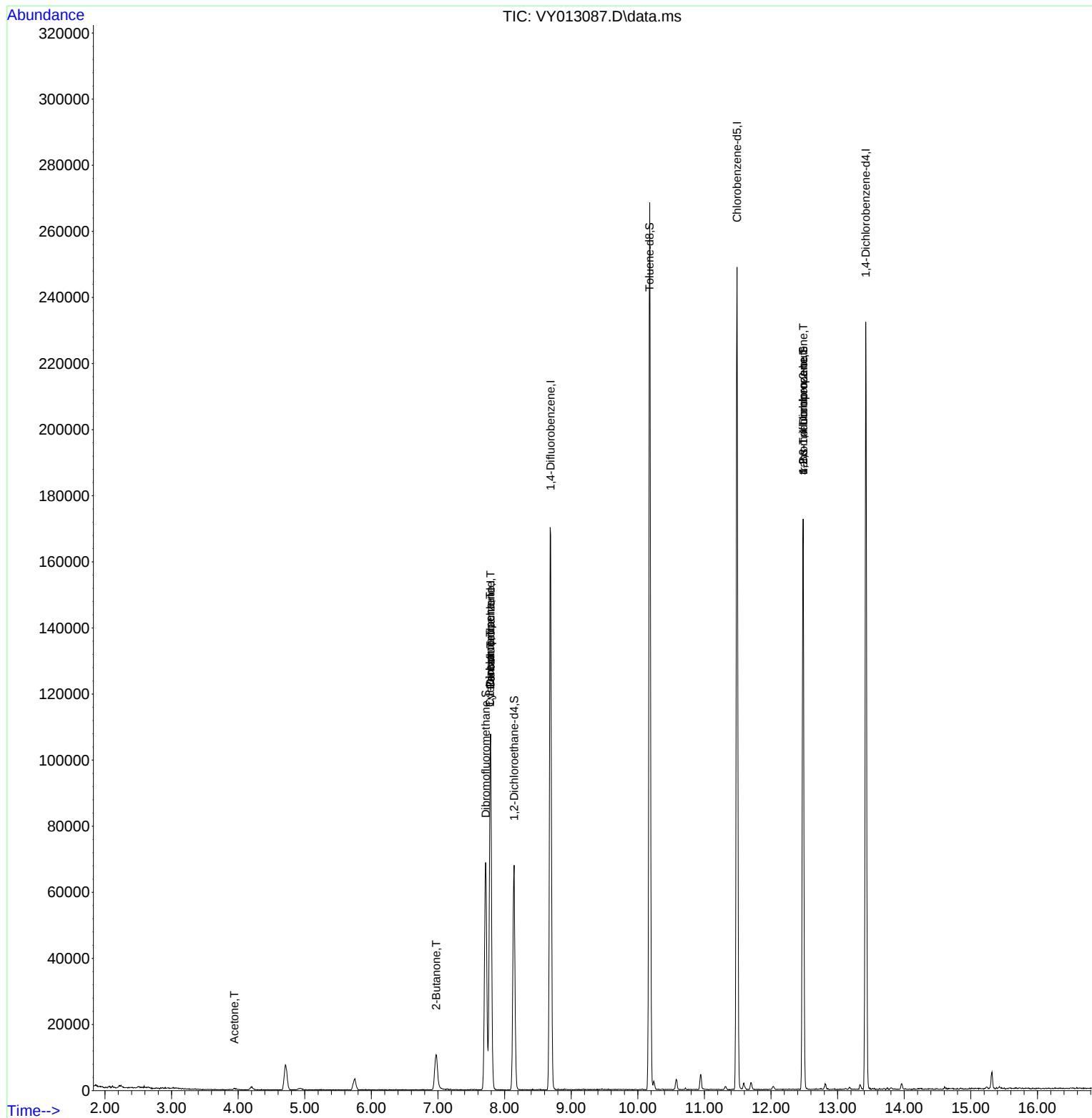
| Compound                      | R.T. QIon |       | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|--------|----------|
| -----                         |           |       |          |           |        |          |
| Internal Standards            |           |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.789     | 168   | 85645    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691     | 114   | 143400   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489    | 117   | 130958   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152   | 57849    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |           |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.142     | 65    | 50076    | 58.889    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | =      | 117.780% |
| 35) Dibromofluoromethane      | 7.716     | 113   | 49315    | 56.984    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | =      | 113.960% |
| 50) Toluene-d8                | 10.179    | 98    | 170766   | 53.975    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | =      | 107.960% |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 50094    | 46.911    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | =      | 93.820%  |
| Target Compounds              |           |       |          |           |        |          |
|                               |           |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.936     | 59    | 845      | Below Cal | #      | 74       |
| 16) Acetone                   | 3.942     | 43    | 792      | 2.373     | ug/l   | 93       |
| 25) 2-Butanone                | 6.972     | 43    | 735      | 1.778     | ug/l # | 49       |
| 31) Cyclohexane               | 7.783     | 56    | 1781     | 1.094     | ug/l # | 11       |
| 36) 1,1-Dichloropropene       | 7.783     | 75    | 6370     | 4.392     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.789     | 117   | 8611     | 5.750     | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 27176    | 39.339    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 27176    | 81.512    | ug/l # | 13       |
| -----                         |           |       |          |           |        |          |

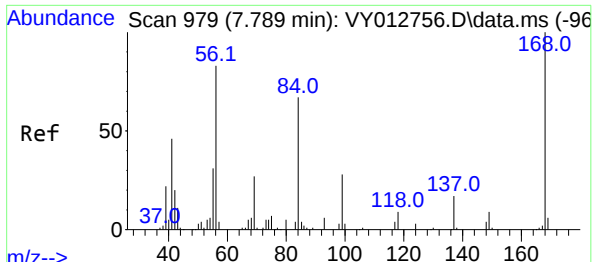
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : 02045-08  
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Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC2-20230322

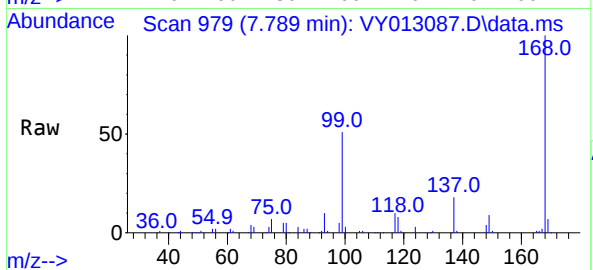
Quant Time: Mar 27 16:17:53 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 03 01:13:13 2023  
Response via : Initial Calibration



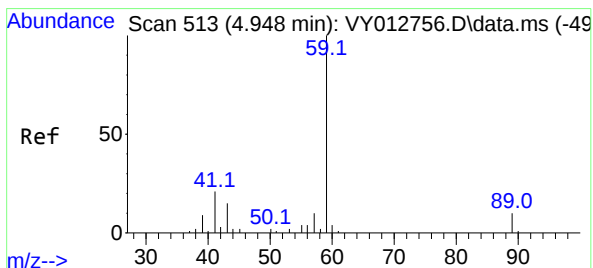
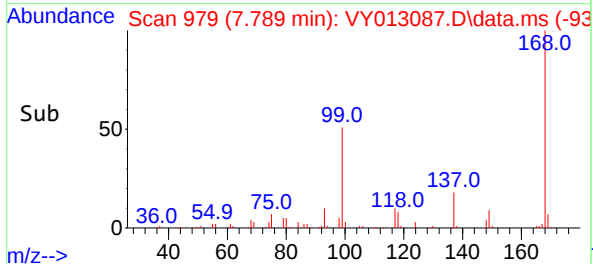
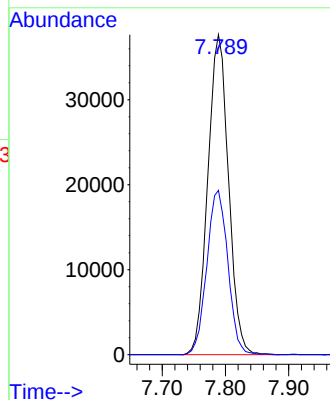


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013087.D  
Acq: 27 Mar 2023 13:24

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC2-20230322

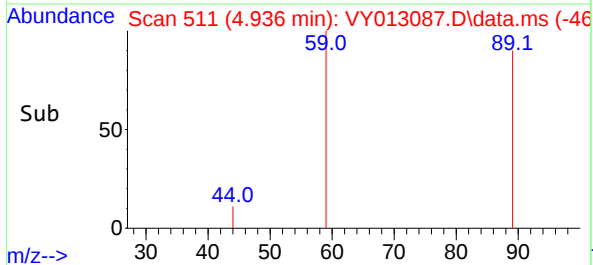
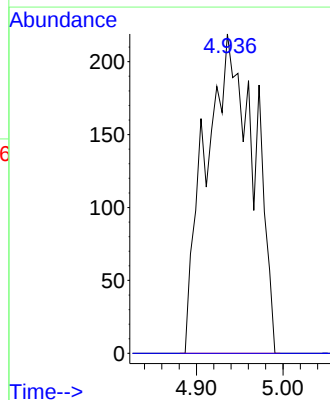
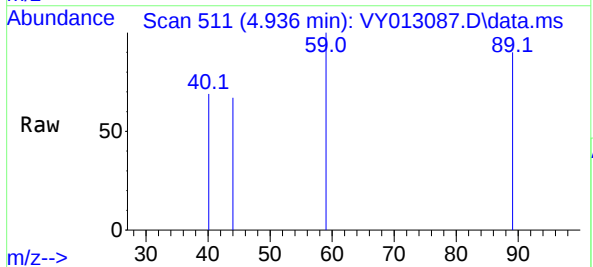


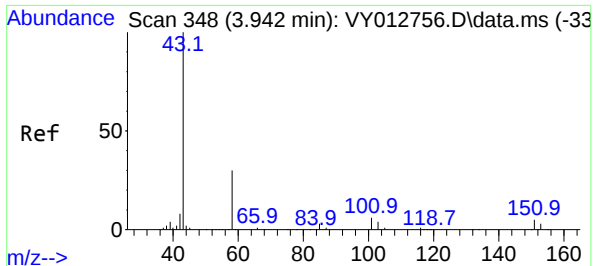
Tgt Ion:168 Resp: 85645  
Ion Ratio Lower Upper  
168 100  
99 51.4 41.7 62.5



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.936 min Scan# 511  
Delta R.T. -0.012 min  
Lab File: VY013087.D  
Acq: 27 Mar 2023 13:24

Tgt Ion: 59 Resp: 845  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.7 11.5#

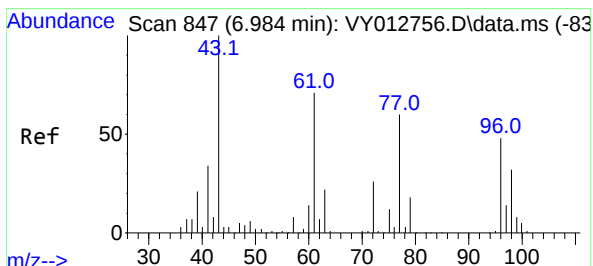
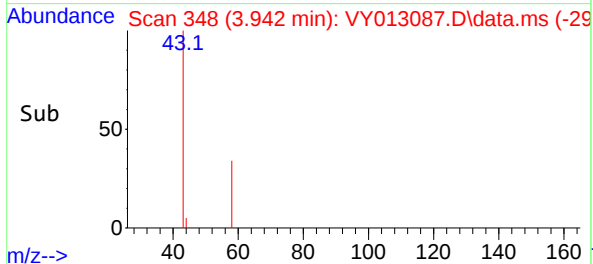
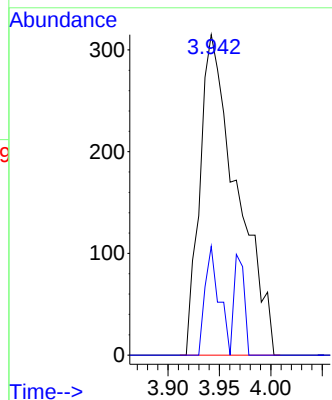
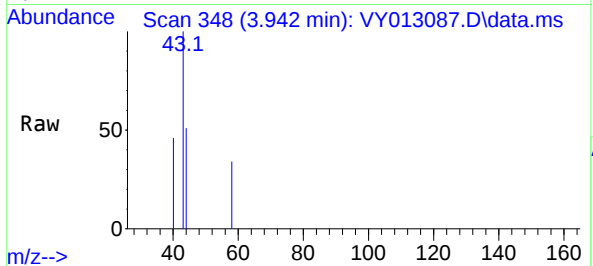




#16  
Acetone  
Concen: 2.373 ug/l  
RT: 3.942 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VY013087.D  
Acq: 27 Mar 2023 13:24

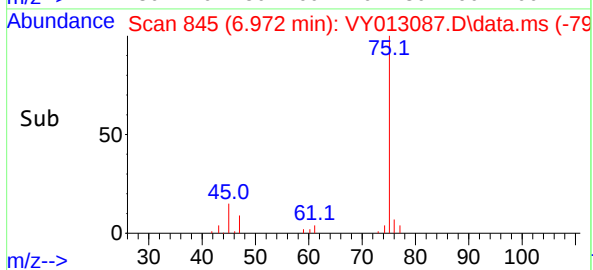
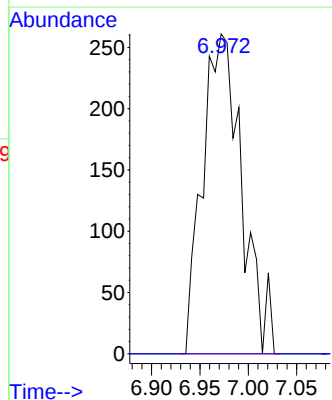
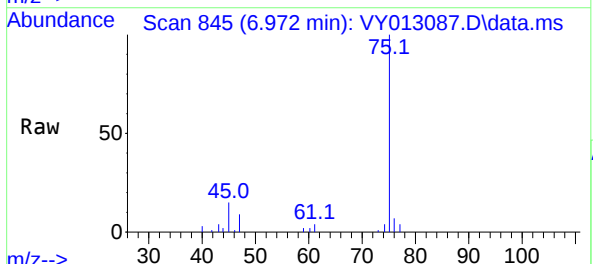
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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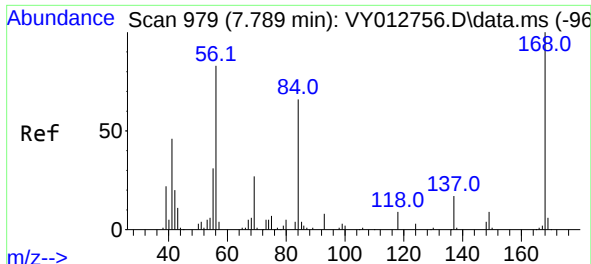
Tgt Ion: 43 Resp: 792  
Ion Ratio Lower Upper  
43 100  
58 34.0 24.2 36.2



#25  
2-Butanone  
Concen: 1.778 ug/l  
RT: 6.972 min Scan# 845  
Delta R.T. -0.012 min  
Lab File: VY013087.D  
Acq: 27 Mar 2023 13:24

Tgt Ion: 43 Resp: 735  
Ion Ratio Lower Upper  
43 100  
72 0.0 21.0 31.4#

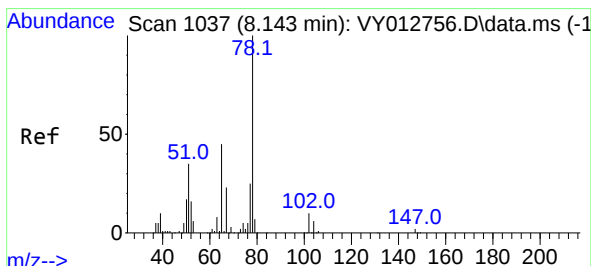
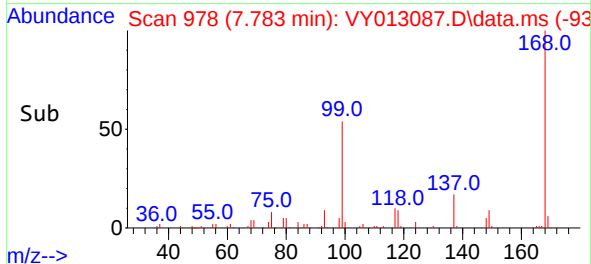
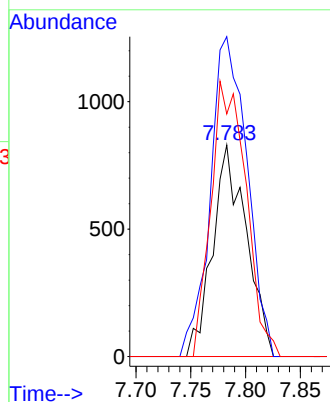
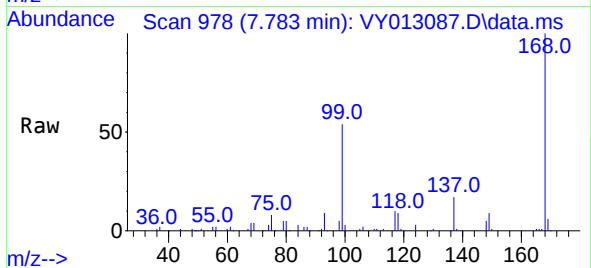




#31  
Cyclohexane  
Concen: 1.094 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY013087.D  
Acq: 27 Mar 2023 13:24

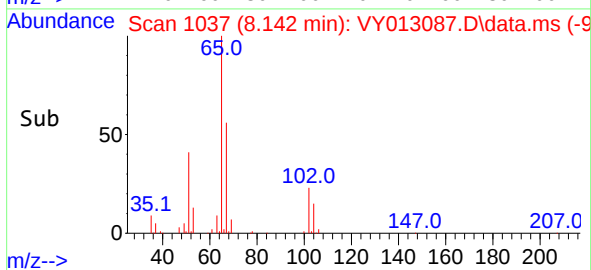
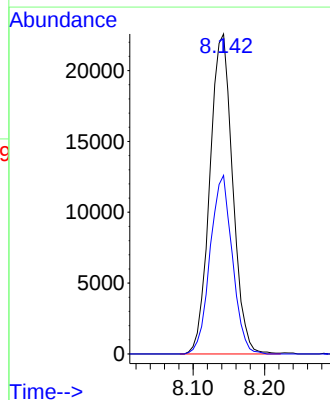
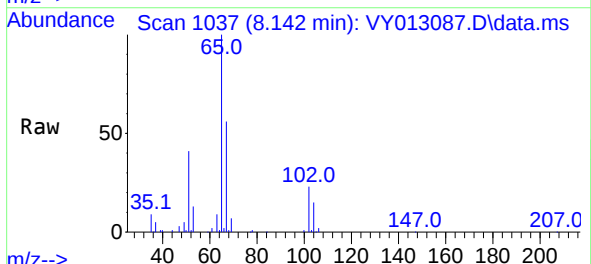
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC2-20230322

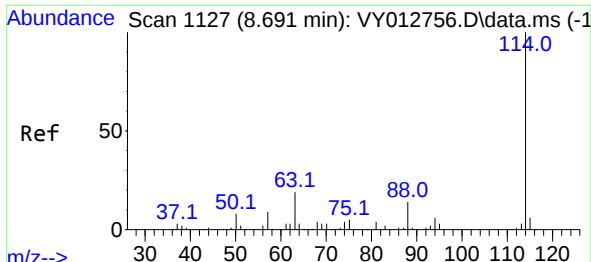
Tgt Ion: 56 Resp: 1781  
Ion Ratio Lower Upper  
56 100  
69 151.2 25.7 38.5#  
84 114.7 64.3 96.5#



#33  
1,2-Dichloroethane-d4  
Concen: 58.889 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.001 min  
Lab File: VY013087.D  
Acq: 27 Mar 2023 13:24

Tgt Ion: 65 Resp: 50076  
Ion Ratio Lower Upper  
65 100  
67 54.4 0.0 104.0

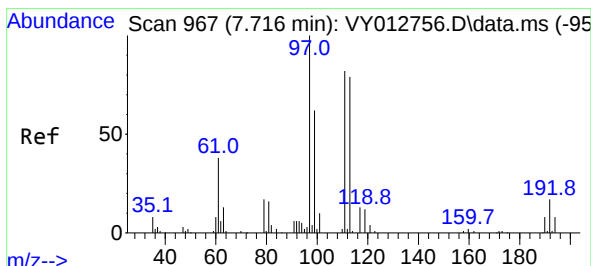
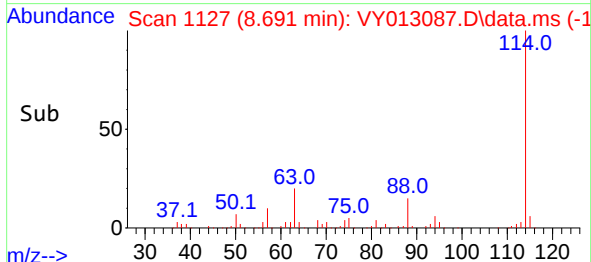
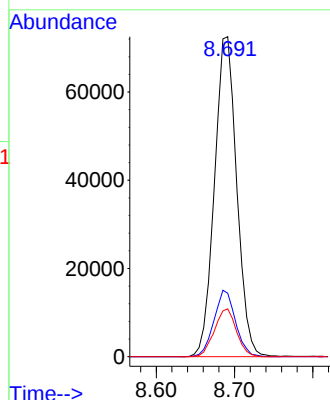
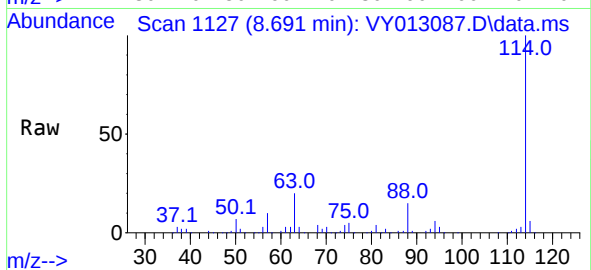




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: VY013087.D  
Acq: 27 Mar 2023 13:24

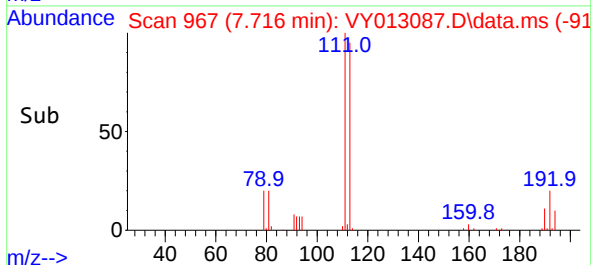
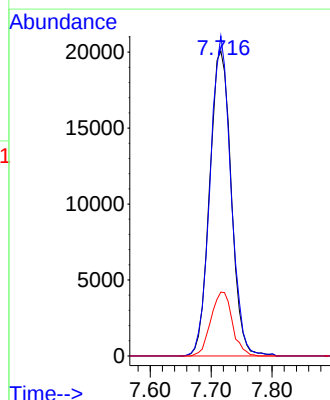
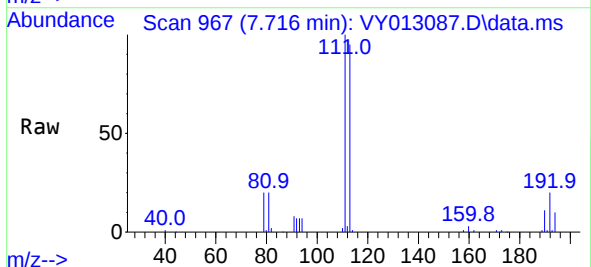
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC2-20230322

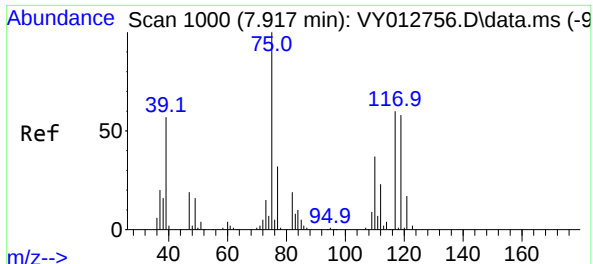
Tgt Ion:114 Resp: 143400  
Ion Ratio Lower Upper  
114 100  
63 19.9 0.0 37.4  
88 14.9 0.0 28.6



#35  
Dibromofluoromethane  
Concen: 56.984 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY013087.D  
Acq: 27 Mar 2023 13:24

Tgt Ion:113 Resp: 49315  
Ion Ratio Lower Upper  
113 100  
111 101.3 82.2 123.2  
192 20.9 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.392 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY013087.D

Acq: 27 Mar 2023 13:24

Instrument :

MSVOA\_Y

ClientSampleId :

WC2-20230322

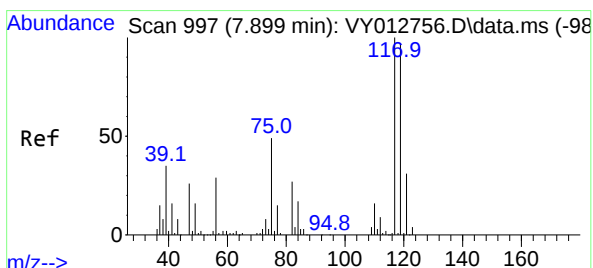
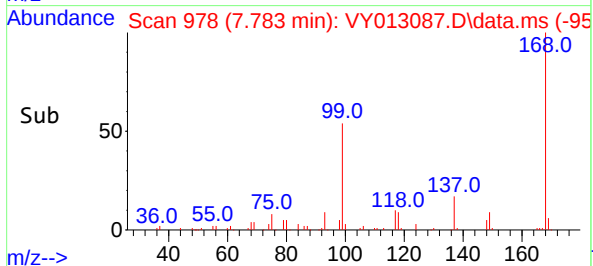
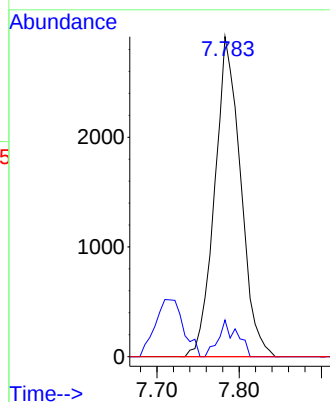
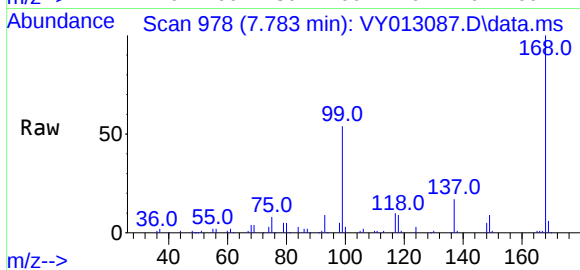
Tgt Ion: 75 Resp: 6370

Ion Ratio Lower Upper

75 100

110 8.3 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.750 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY013087.D

Acq: 27 Mar 2023 13:24

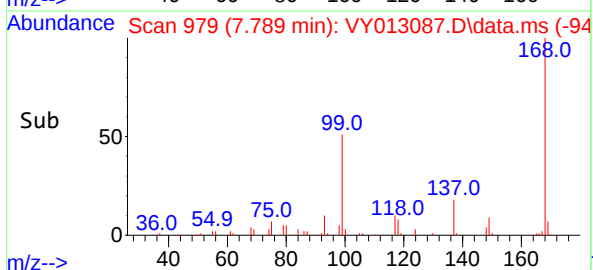
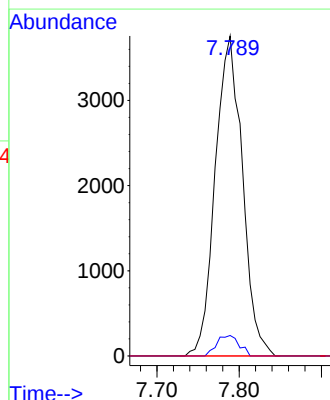
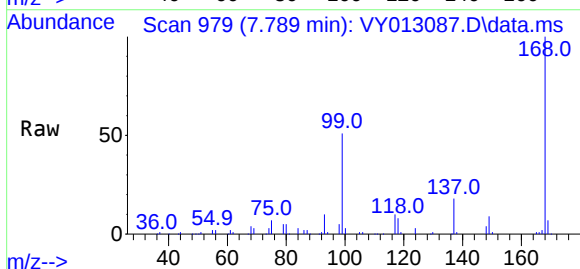
Tgt Ion: 117 Resp: 8611

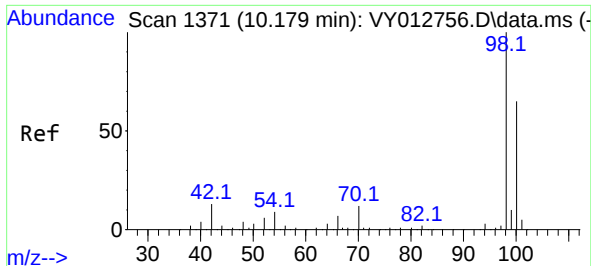
Ion Ratio Lower Upper

117 100

119 6.4 77.2 115.8#

121 0.0 24.7 37.1#

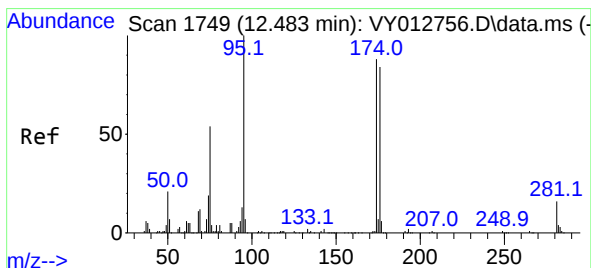
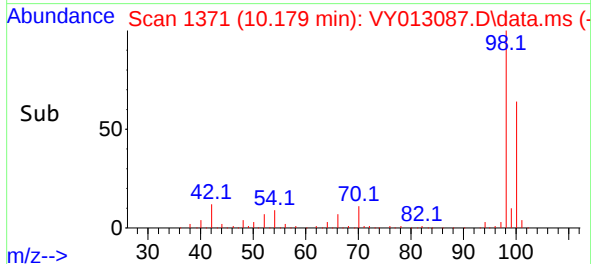
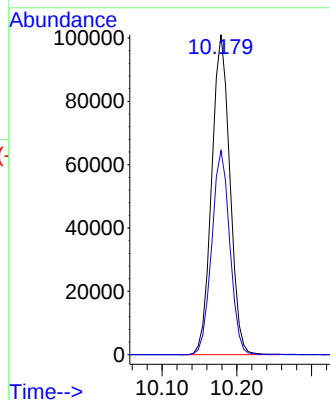
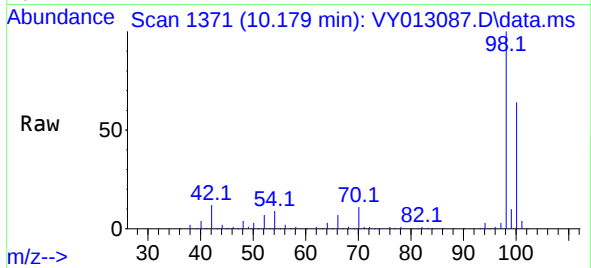




#50  
Toluene-d8  
Concen: 53.975 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY013087.D  
Acq: 27 Mar 2023 13:24

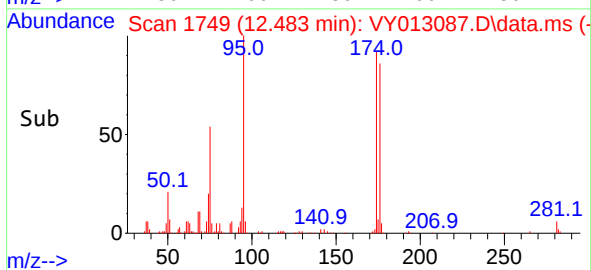
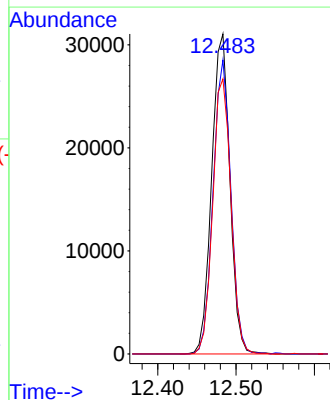
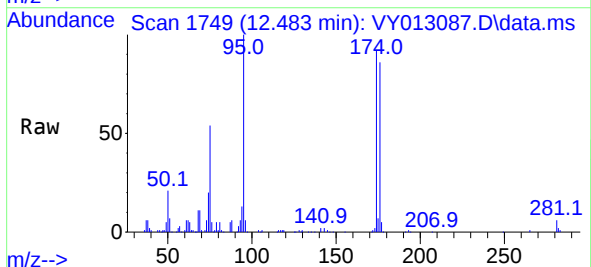
Instrument :  
MSVOA\_Y  
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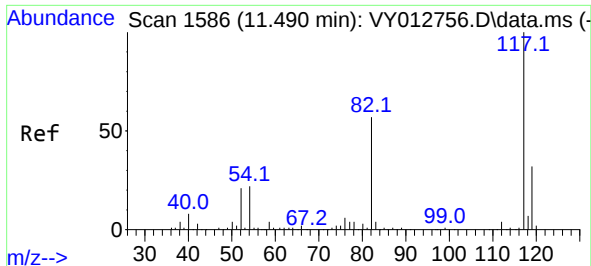
Tgt Ion: 98 Resp: 170766  
Ion Ratio Lower Upper  
98 100  
100 63.4 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 46.911 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY013087.D  
Acq: 27 Mar 2023 13:24

Tgt Ion: 95 Resp: 50094  
Ion Ratio Lower Upper  
95 100  
174 89.7 0.0 176.6  
176 86.4 0.0 170.2

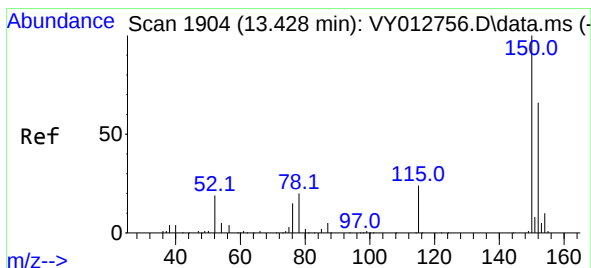
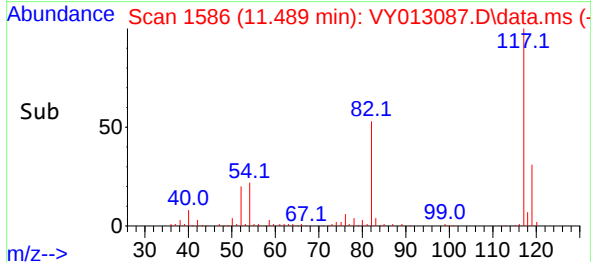
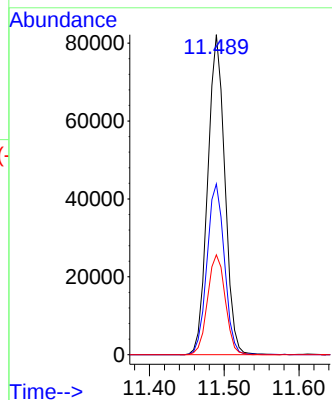
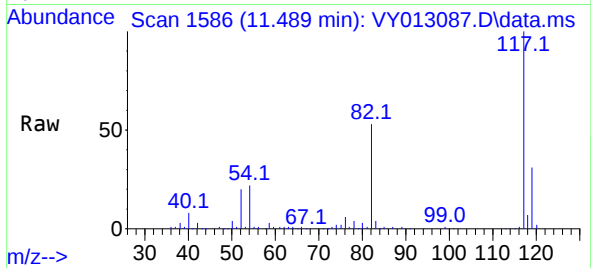




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY013087.D  
Acq: 27 Mar 2023 13:24

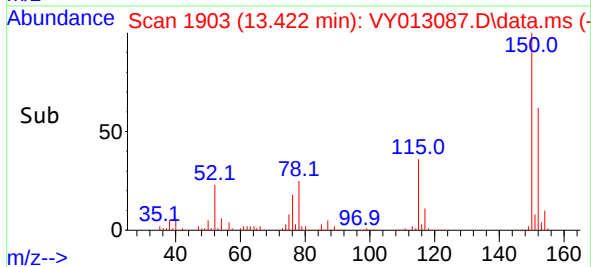
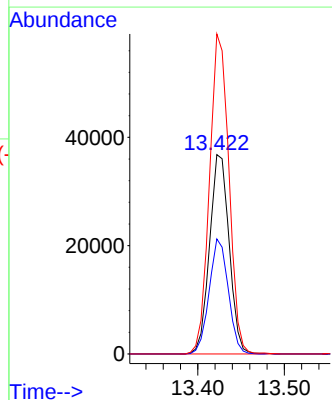
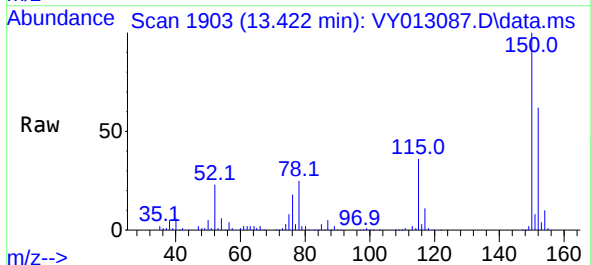
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC2-20230322

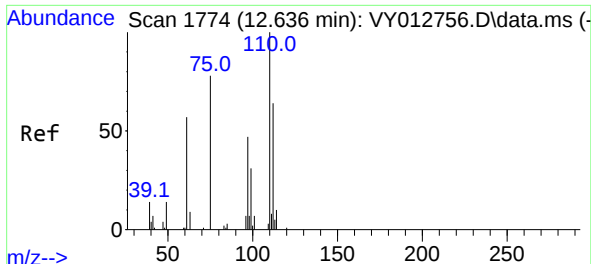
Tgt Ion:117 Resp: 130958  
Ion Ratio Lower Upper  
117 100  
82 53.4 45.4 68.0  
119 31.2 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.006 min  
Lab File: VY013087.D  
Acq: 27 Mar 2023 13:24

Tgt Ion:152 Resp: 57849  
Ion Ratio Lower Upper  
152 100  
115 56.3 27.1 81.3  
150 158.8 0.0 347.8

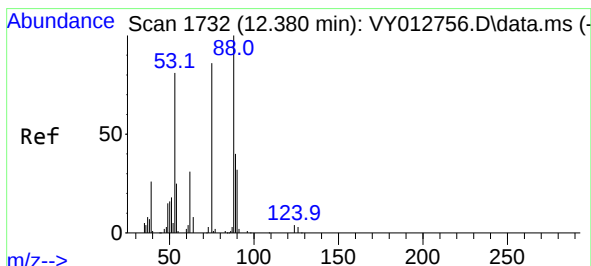
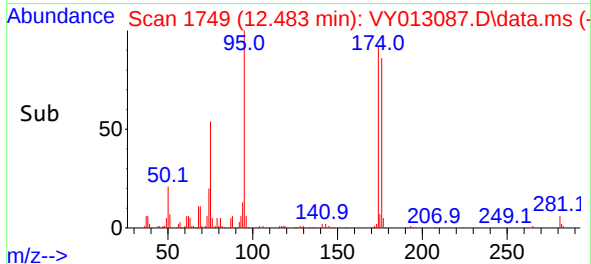
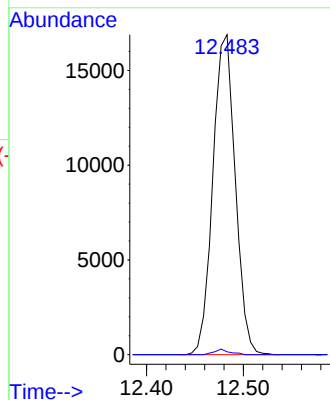
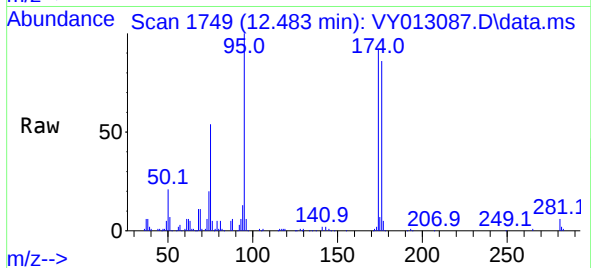




#76  
1,2,3-Trichloropropane  
Concen: 39.339 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY013087.D  
Acq: 27 Mar 2023 13:24

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC2-20230322

Tgt Ion: 75 Resp: 27176  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 81.512 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY013087.D  
Acq: 27 Mar 2023 13:24

Tgt Ion: 75 Resp: 27176  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.4 110.0#  
89 0.0 36.6 55.0#

