

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021423\  
 Data File : VY012597.D  
 Acq On : 14 Feb 2023 18:55  
 Operator : KP/MD  
 Sample : 01552-08  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-05-0-2.0

Quant Time: Feb 15 01:33:38 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

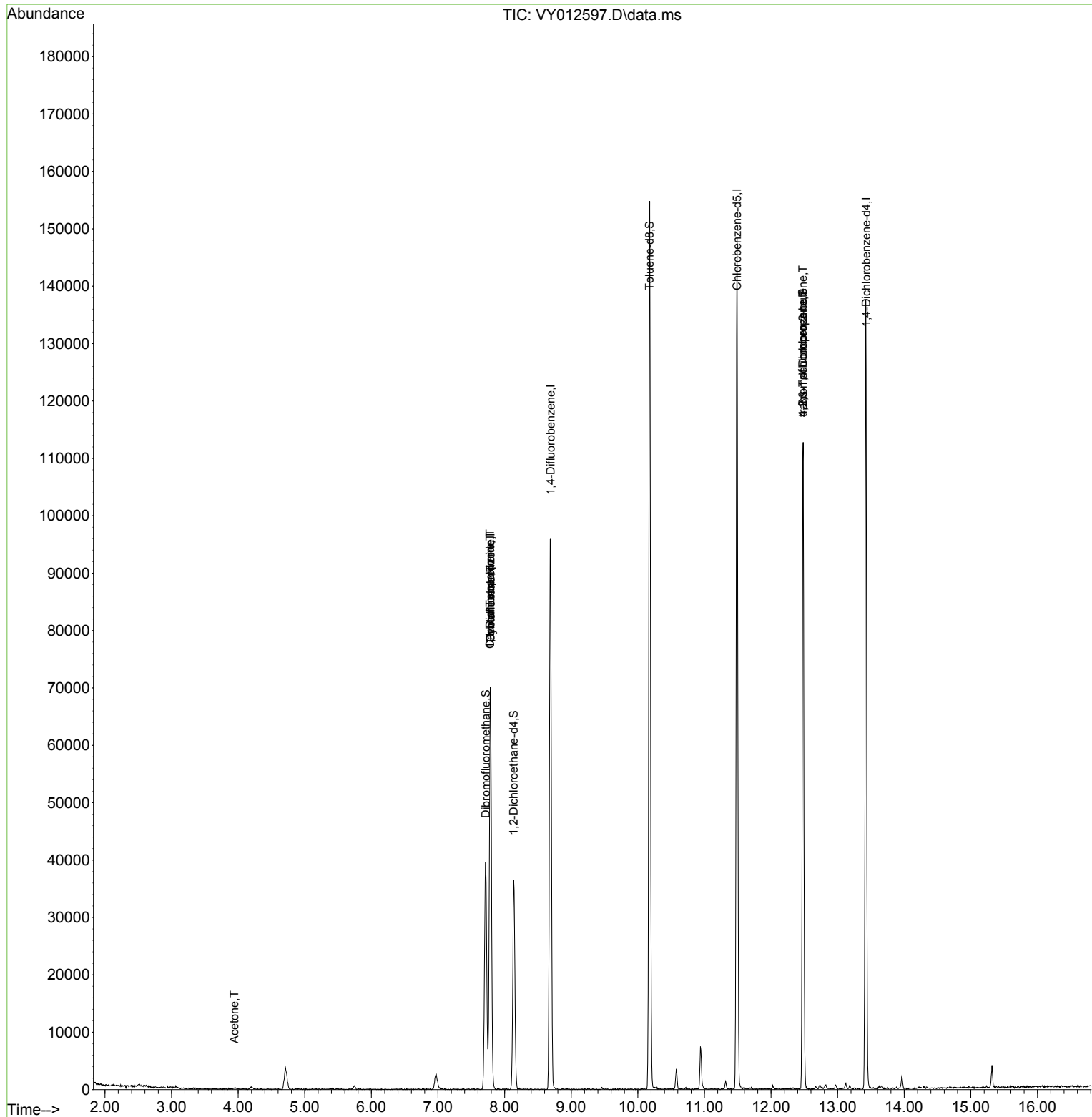
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 57855    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 90925    | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 85353    | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 38211    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 31237    | 42.459    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 84.920%  |
| 35) Dibromofluoromethane      | 7.716  | 113   | 27147    | 40.997    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 82.000%  |
| 50) Toluene-d8                | 10.179 | 98    | 106737   | 38.727    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 77.460%  |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 31606    | 32.877    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 65.760%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 2.668  | 94    | 98       | Below Cal |        | 89       |
| 11) Tert butyl alcohol        | 4.948  | 59    | 26       | Below Cal | #      | 75       |
| 16) Acetone                   | 3.942  | 43    | 471      | 2.660     | ug/l   | 90       |
| 31) Cyclohexane               | 7.789  | 56    | 868      | 1.020     | ug/l # | 33       |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 3631     | 4.052     | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 5576     | 4.635     | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 16445    | 38.521    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 16445    | 86.868    | ug/l # | 12       |
| -----                         |        |       |          |           |        |          |

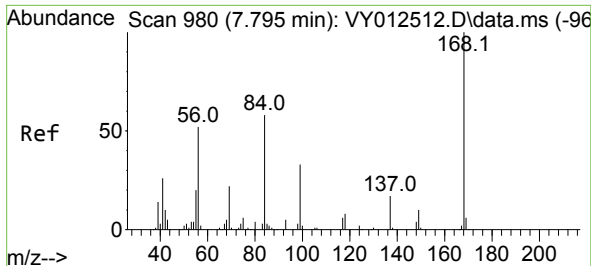
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

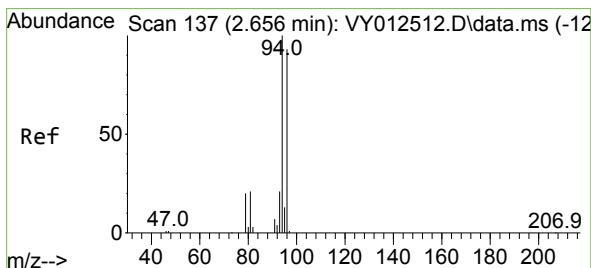
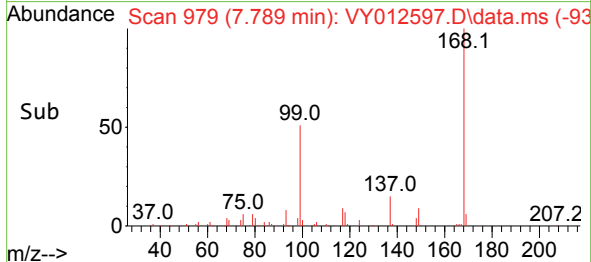
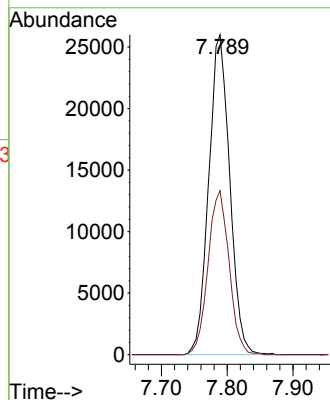
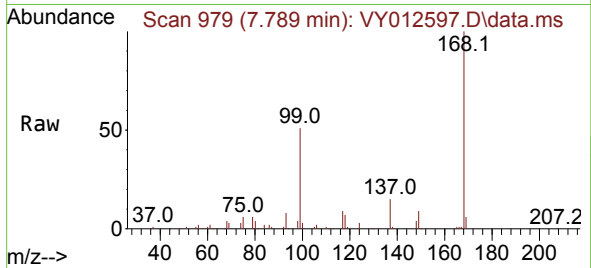




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY012597.D  
Acq: 14 Feb 2023 18:55

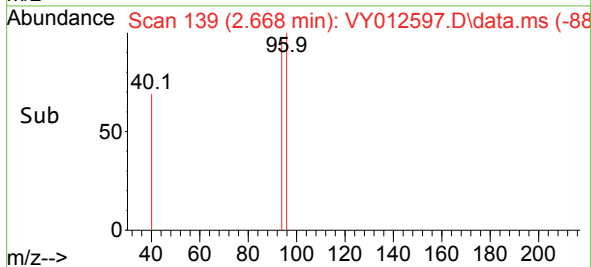
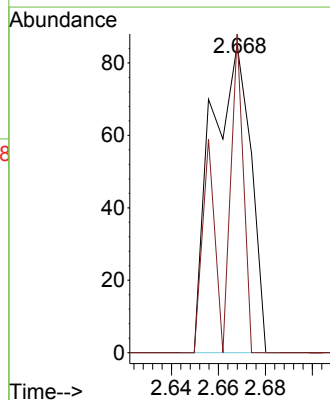
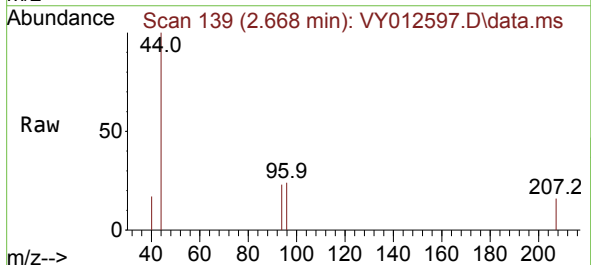
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-05-0-2.0

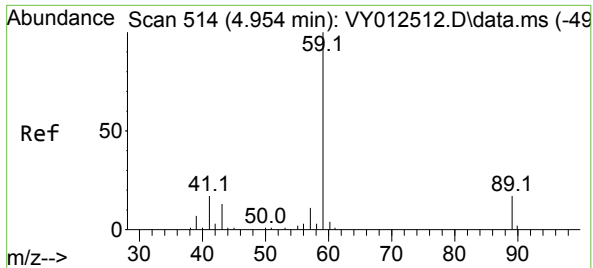
Tgt Ion:168 Resp: 57855  
Ion Ratio Lower Upper  
168 100  
99 51.3 40.8 61.2



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.668 min Scan# 139  
Delta R.T. 0.012 min  
Lab File: VY012597.D  
Acq: 14 Feb 2023 18:55

Tgt Ion: 94 Resp: 98  
Ion Ratio Lower Upper  
94 100  
96 103.5 74.7 112.1

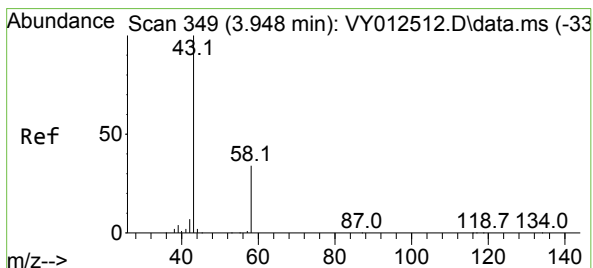
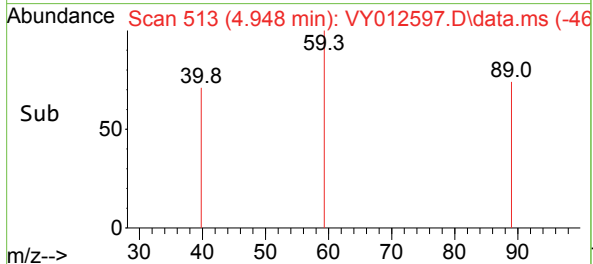
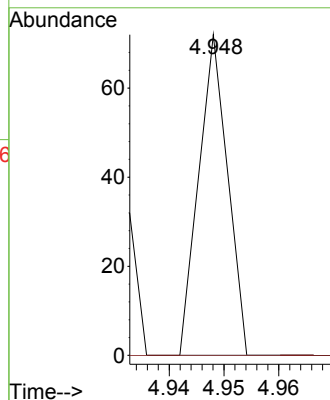
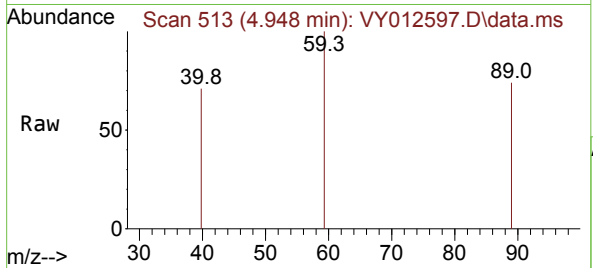




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.948 min Scan# 514  
Delta R.T. -0.006 min  
Lab File: VY012597.D  
Acq: 14 Feb 2023 18:55

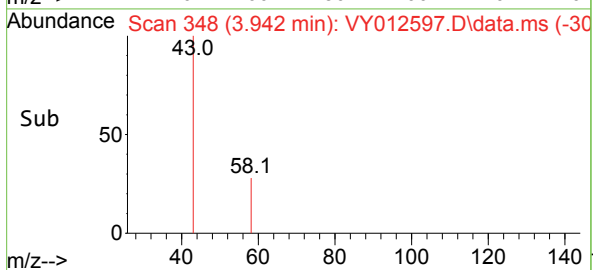
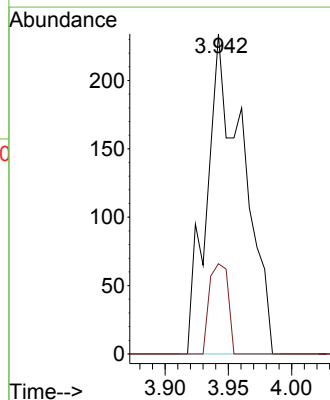
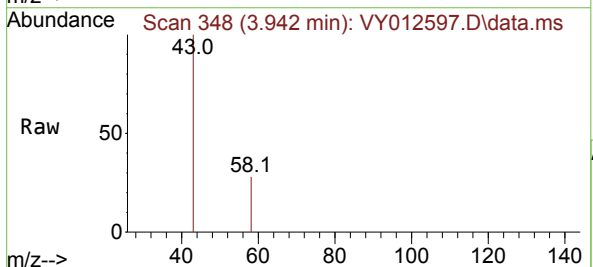
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-05-0-2.0

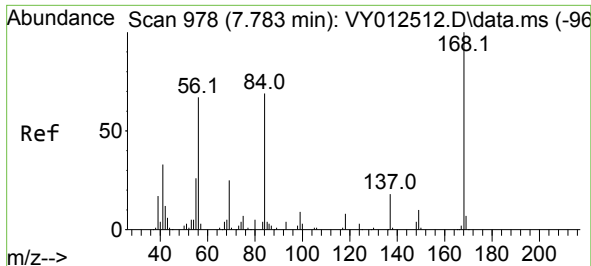
Tgt Ion: 59 Resp: 26  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.2 10.8#



#16  
Acetone  
Concen: 2.660 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.006 min  
Lab File: VY012597.D  
Acq: 14 Feb 2023 18:55

Tgt Ion: 43 Resp: 471  
Ion Ratio Lower Upper  
43 100  
58 28.2 27.1 40.7

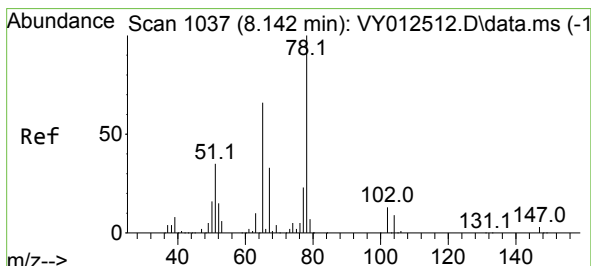
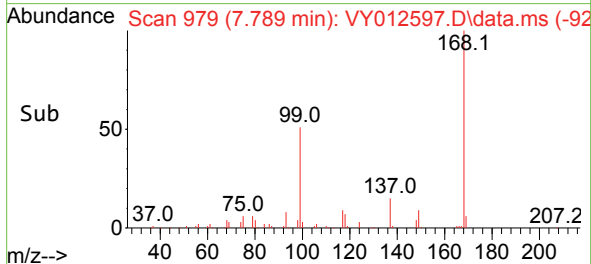
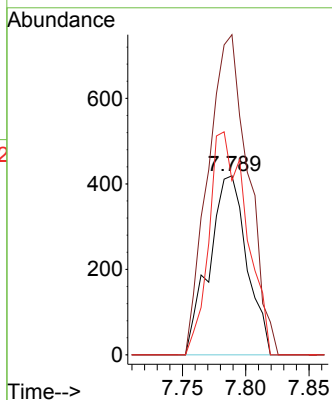
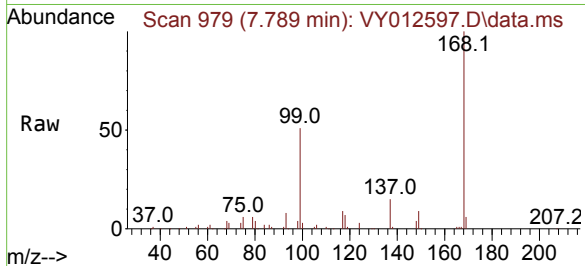




#31  
Cyclohexane  
Concen: 1.020 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY012597.D  
Acq: 14 Feb 2023 18:55

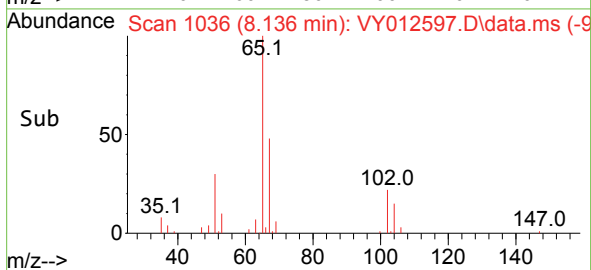
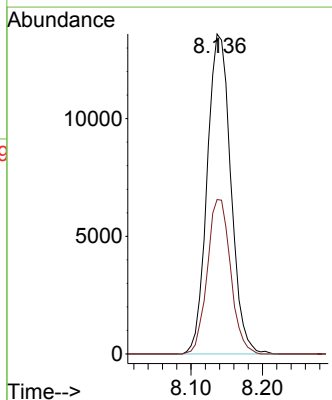
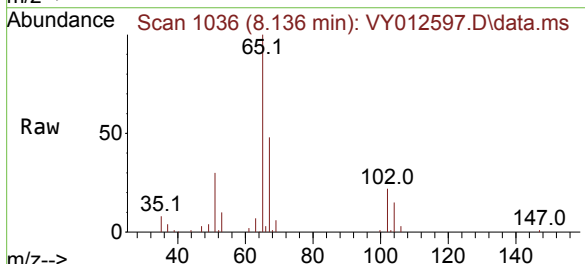
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-05-0-2.0

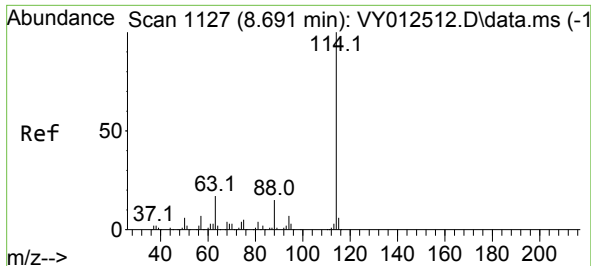
Tgt Ion: 56 Resp: 868  
Ion Ratio Lower Upper  
56 100  
69 178.8 29.5 44.3#  
84 97.4 81.9 122.9



#33  
1,2-Dichloroethane-d4  
Concen: 42.459 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VY012597.D  
Acq: 14 Feb 2023 18:55

Tgt Ion: 65 Resp: 31237  
Ion Ratio Lower Upper  
65 100  
67 47.5 0.0 98.6

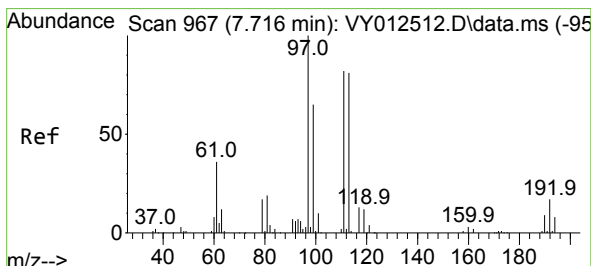
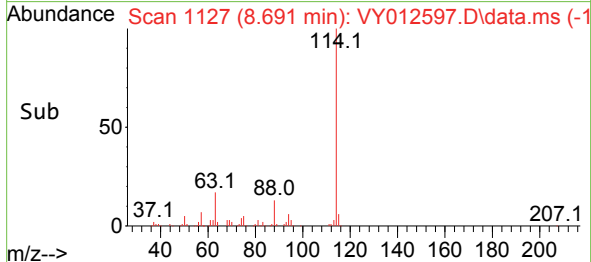
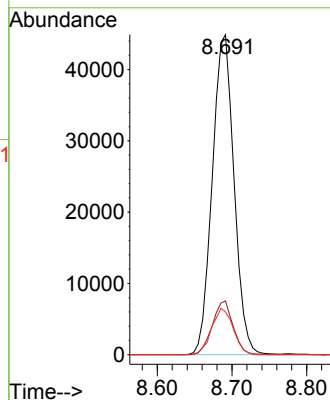
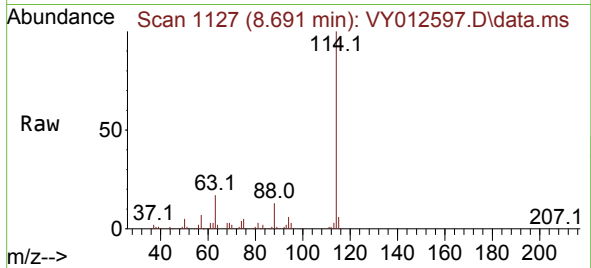




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VY012597.D  
Acq: 14 Feb 2023 18:55

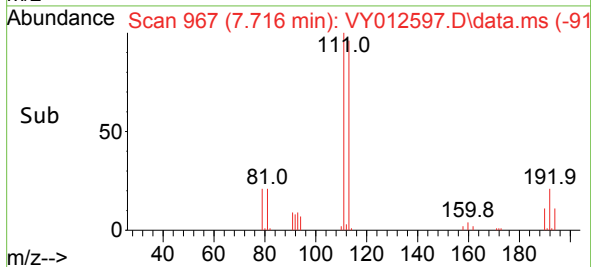
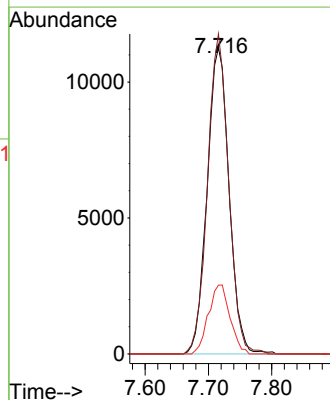
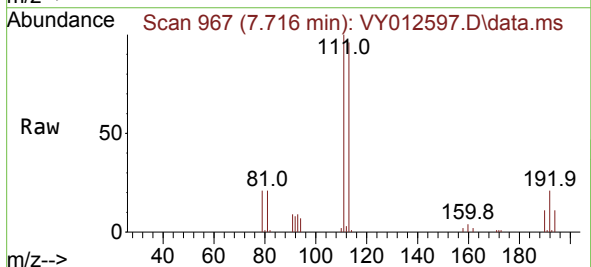
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-05-0-2.0

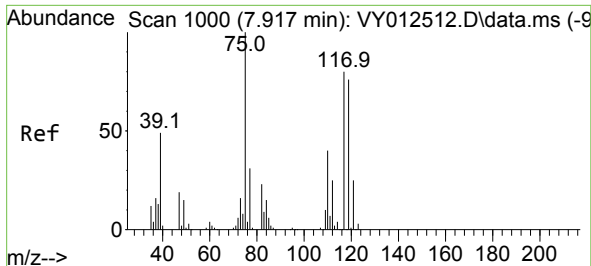
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 114   | Resp: | 90925 |
| Ion Ratio | Lower | Upper |       |
| 114       | 100   |       |       |
| 63        | 16.8  | 0.0   | 33.6  |
| 88        | 13.4  | 0.0   | 29.8  |



#35  
Dibromofluoromethane  
Concen: 40.997 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. 0.000 min  
Lab File: VY012597.D  
Acq: 14 Feb 2023 18:55

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 27147 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 100.5 | 81.9  | 122.9 |
| 192       | 22.2  | 17.5  | 26.3  |

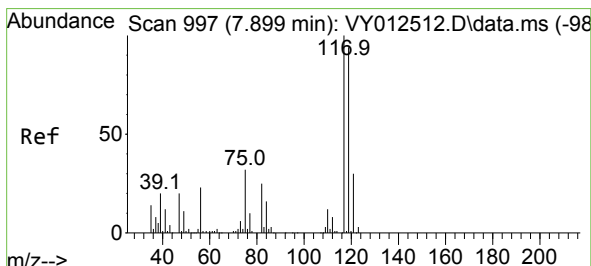
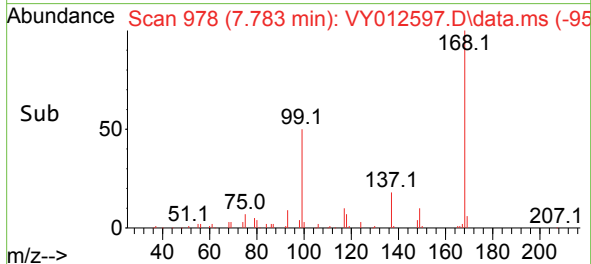
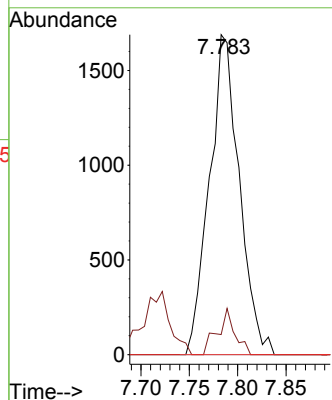
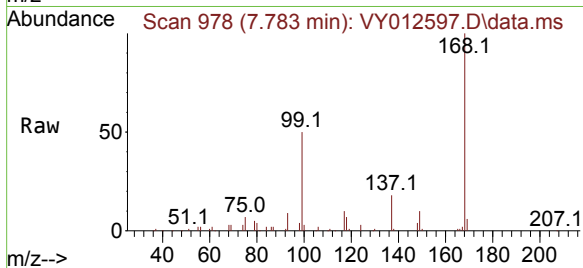




#36  
1,1-Dichloropropene  
Concen: 4.052 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.134 min  
Lab File: VY012597.D  
Acq: 14 Feb 2023 18:55

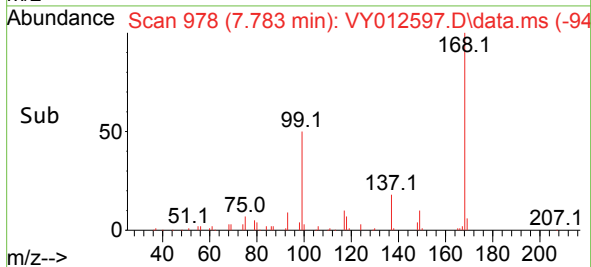
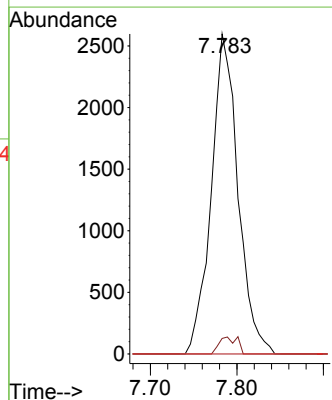
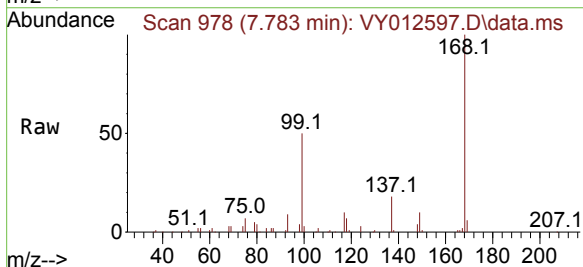
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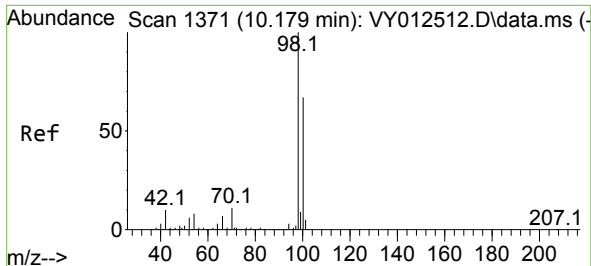
Tgt Ion: 75 Resp: 3631  
Ion Ratio Lower Upper  
75 100  
110 8.3 19.5 58.5#  
77 0.0 24.9 37.3#



#38  
Carbon Tetrachloride  
Concen: 4.635 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.116 min  
Lab File: VY012597.D  
Acq: 14 Feb 2023 18:55

Tgt Ion: 117 Resp: 5576  
Ion Ratio Lower Upper  
117 100  
119 4.9 75.1 112.7#  
121 0.0 24.3 36.5#

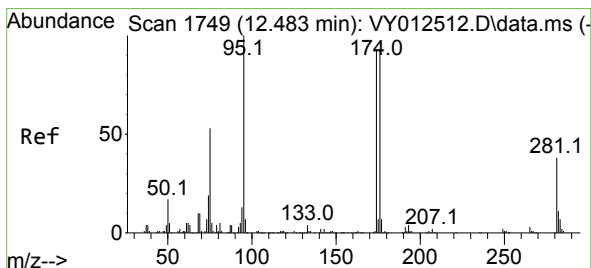
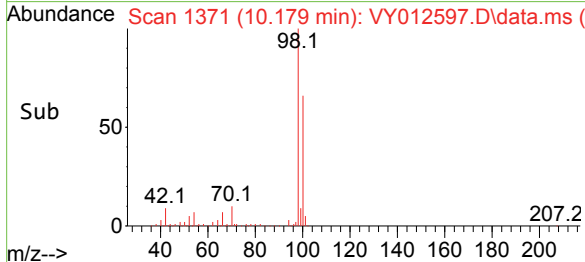
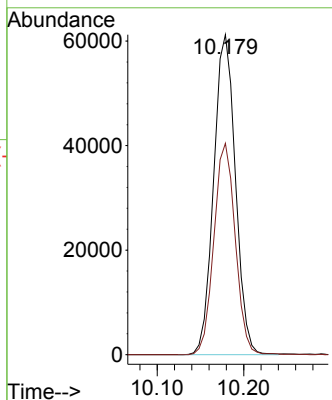
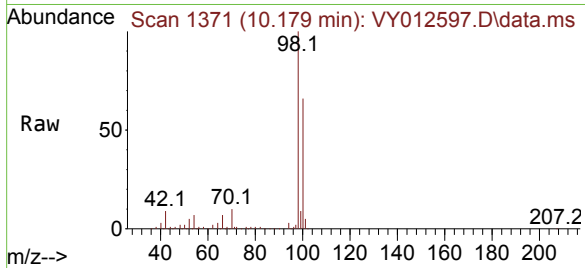




#50  
Toluene-d8  
Concen: 38.727 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012597.D  
Acq: 14 Feb 2023 18:55

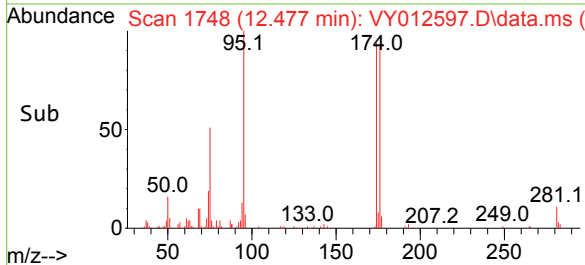
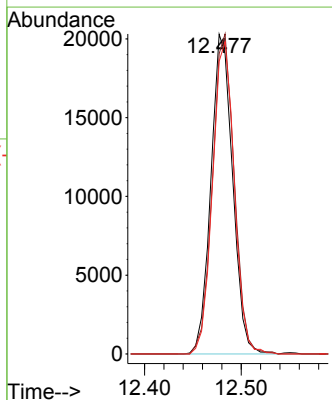
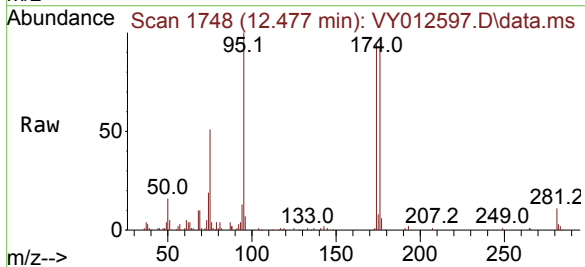
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-05-0-2.0

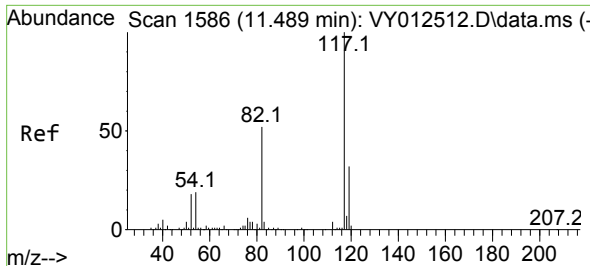
Tgt Ion: 98 Resp: 106737  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 32.877 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY012597.D  
Acq: 14 Feb 2023 18:55

Tgt Ion: 95 Resp: 31606  
Ion Ratio Lower Upper  
95 100  
174 100.6 0.0 188.0  
176 97.6 0.0 183.6

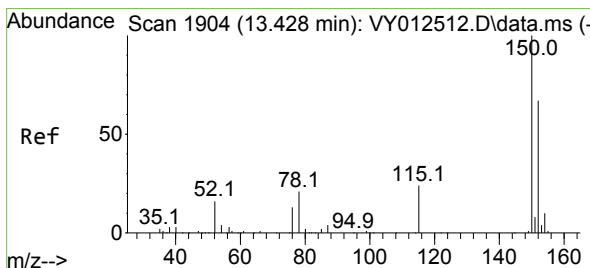
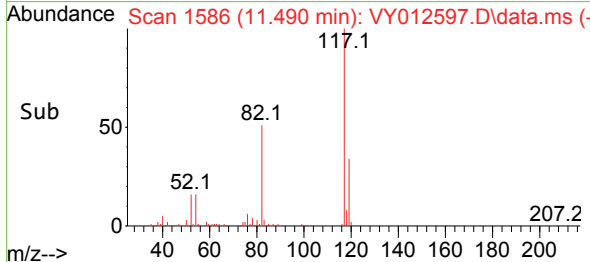
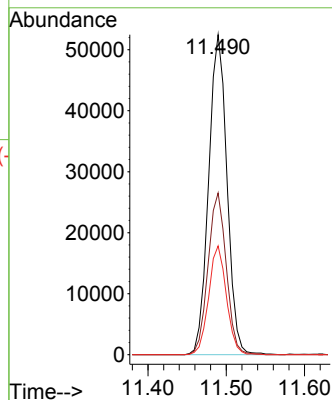
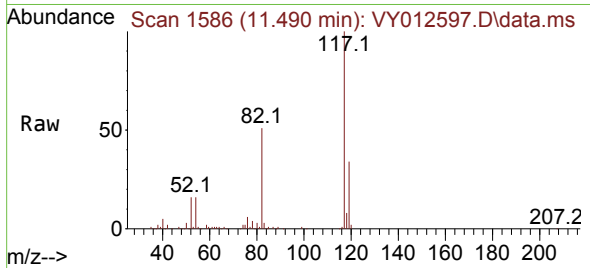




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY012597.D  
Acq: 14 Feb 2023 18:55

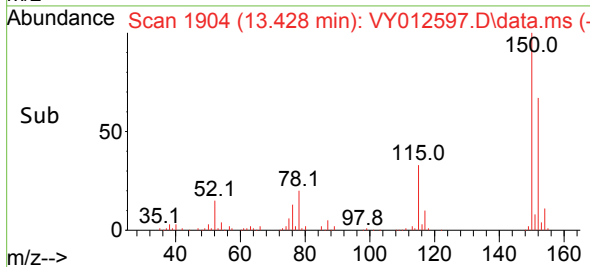
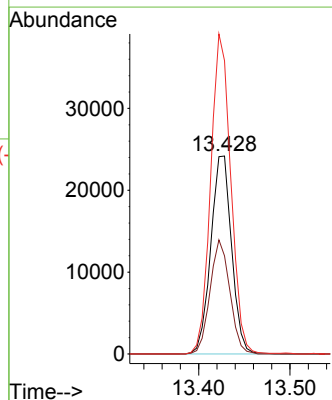
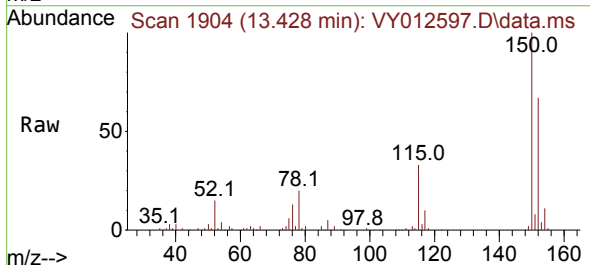
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-05-0-2.0

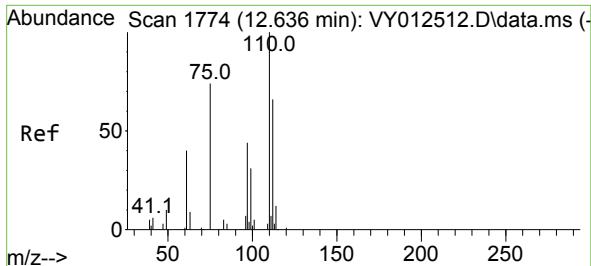
Tgt Ion:117 Resp: 85353  
Ion Ratio Lower Upper  
117 100  
82 50.6 41.7 62.5  
119 34.0 25.8 38.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY012597.D  
Acq: 14 Feb 2023 18:55

Tgt Ion:152 Resp: 38211  
Ion Ratio Lower Upper  
152 100  
115 54.7 28.1 84.3  
150 156.3 0.0 351.0

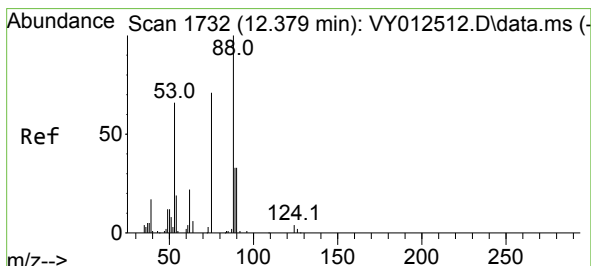
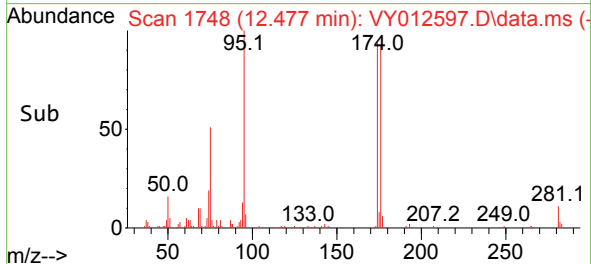
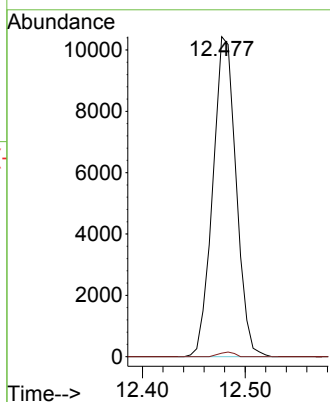
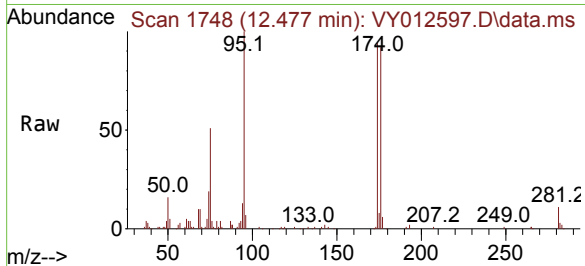




#76  
1,2,3-Trichloropropane  
Concen: 38.521 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.158 min  
Lab File: VY012597.D  
Acq: 14 Feb 2023 18:55

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-05-0-2.0

Tgt Ion: 75 Resp: 16445  
Ion Ratio Lower Upper  
75 100  
77 1.0 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 86.868 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.098 min  
Lab File: VY012597.D  
Acq: 14 Feb 2023 18:55

Tgt Ion: 75 Resp: 16445  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.1 109.7#  
89 0.0 39.9 59.9#

