

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072123\  
 Data File : VY014746.D  
 Acq On : 21 Jul 2023 14:56  
 Operator : SY/MD  
 Sample : 03681-15  
 Misc : 4.88g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RPTP-5-GRAB-10

Quant Time: Jul 22 05:37:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071323S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 14 02:09:50 2023  
 Response via : Initial Calibration

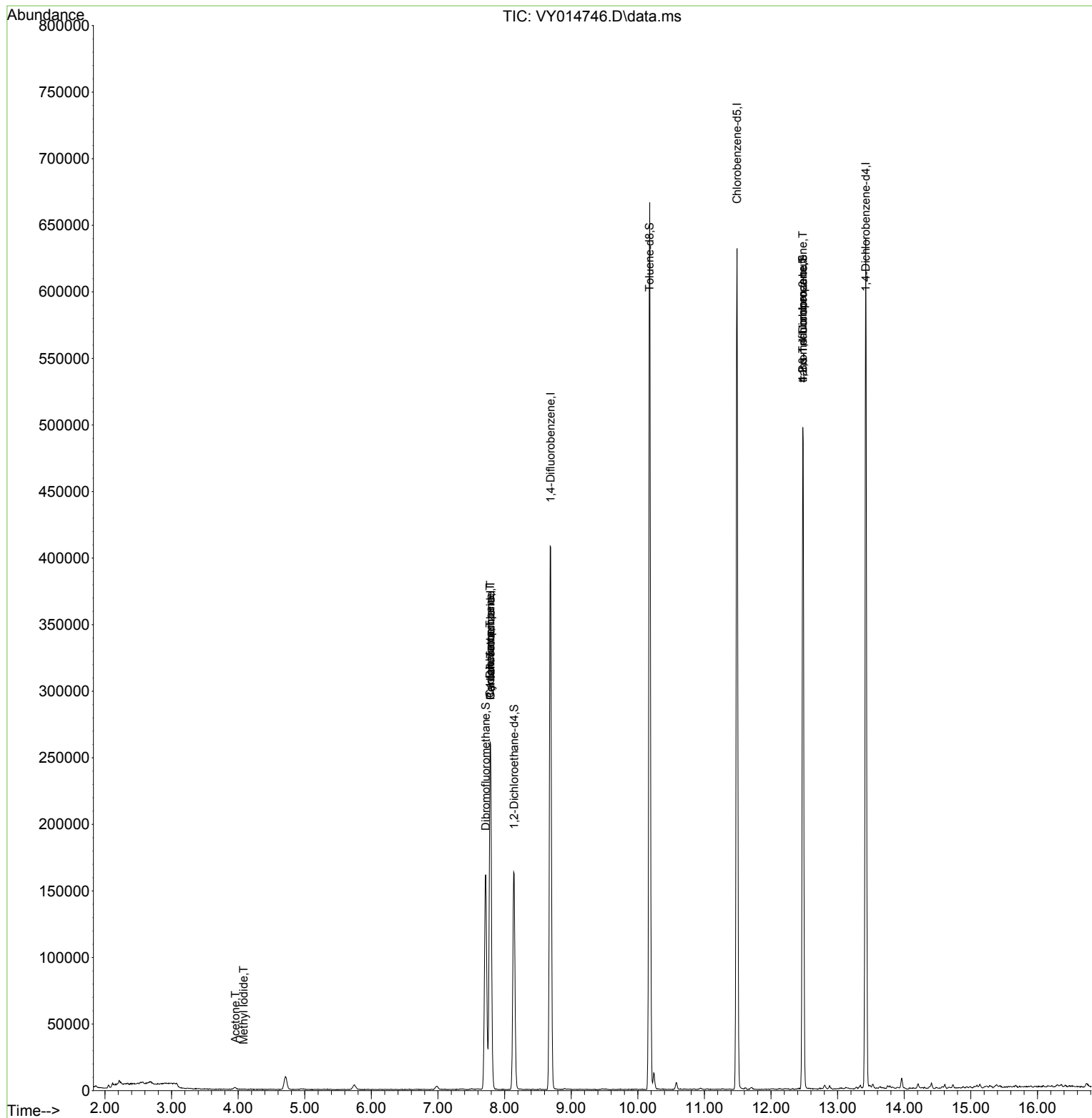
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 210810   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 365988   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 345697   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 160930   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.142  | 65    | 129173   | 53.771    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 107.540% |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 115096   | 49.402    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 98.800%  |          |
| 50) Toluene-d8                | 10.179 | 98    | 432484   | 50.351    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 100.700% |          |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 161662   | 49.085    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 98.160%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 10) Methyl Iodide             | 4.082  | 142   | 152      | 2.431     | ug/l #     | 38       |
| 11) Tert butyl alcohol        | 4.942  | 59    | 525      | Below Cal | #          | 89       |
| 16) Acetone                   | 3.960  | 43    | 2847     | 3.740     | ug/l       | 95       |
| 20) Methylene Chloride        | 4.710  | 84    | 7670     | Below Cal | #          | 81       |
| 31) Cyclohexane               | 7.783  | 56    | 4492     | 1.126     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 15746    | 4.519     | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 21144    | 5.741     | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 84034    | 41.345    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 84034    | 80.052    | ug/l #     | 10       |
| -----                         |        |       |          |           |            |          |

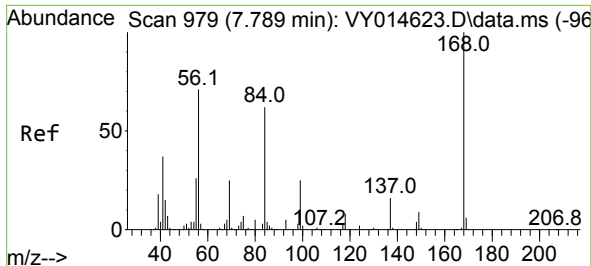
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
ClientSampleId :  
RPTP-5-GRAB-10

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071323S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 14 02:09:50 2023  
Response via : Initial Calibration

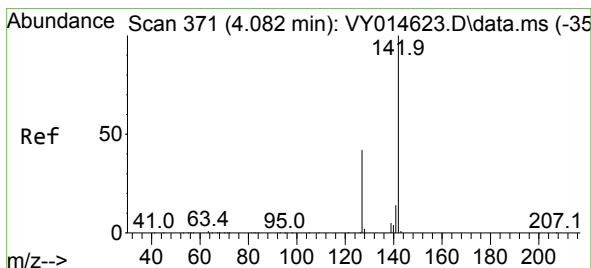
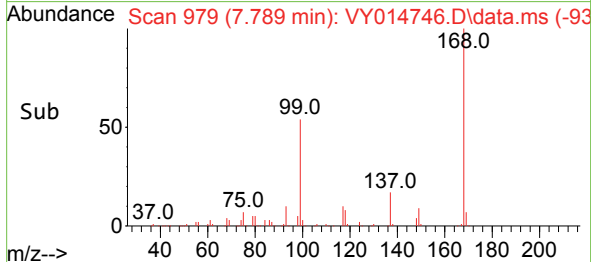
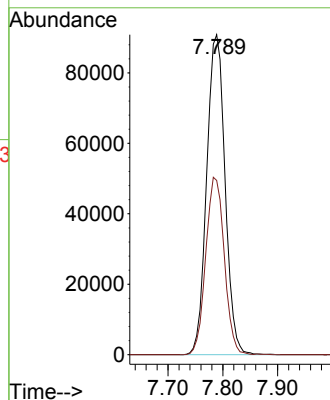
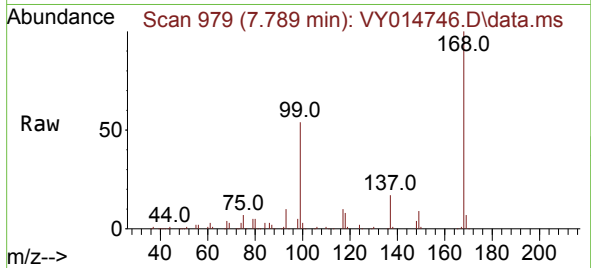




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY014746.D  
Acq: 21 Jul 2023 14:56

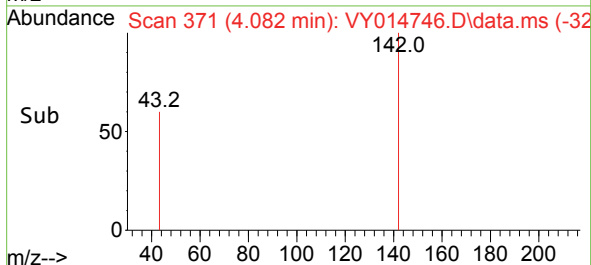
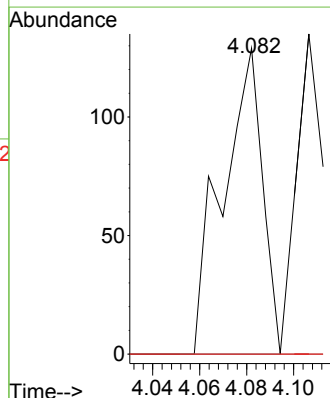
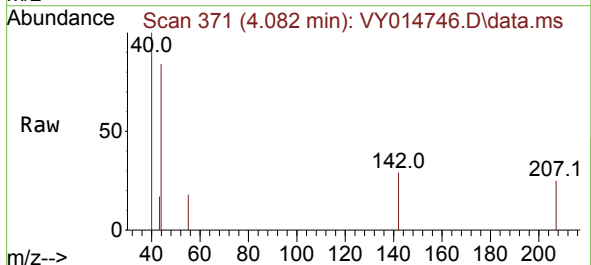
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RPTP-5-GRAB-10

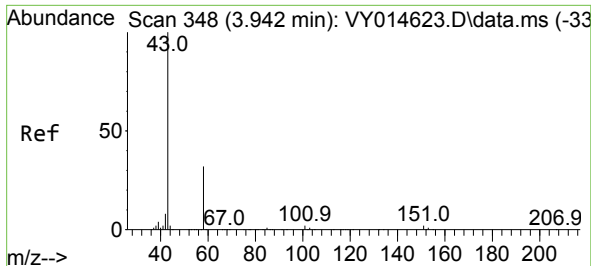
Tgt Ion:168 Resp: 210810  
Ion Ratio Lower Upper  
168 100  
99 54.5 43.4 65.0



#10  
Methyl Iodide  
Concen: 2.431 ug/l  
RT: 4.082 min Scan# 371  
Delta R.T. 0.000 min  
Lab File: VY014746.D  
Acq: 21 Jul 2023 14:56

Tgt Ion:142 Resp: 152  
Ion Ratio Lower Upper  
142 100  
127 0.0 37.6 56.4#  
141 0.0 11.8 17.8#

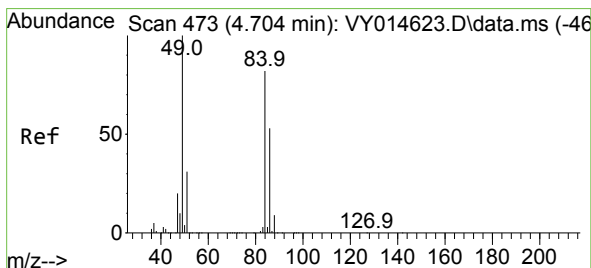
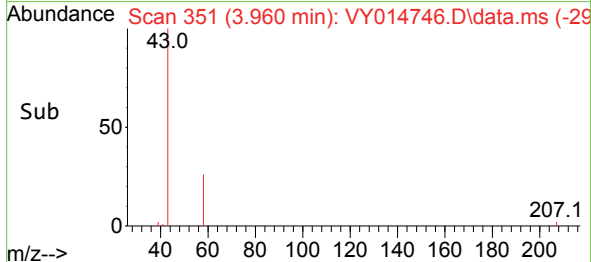
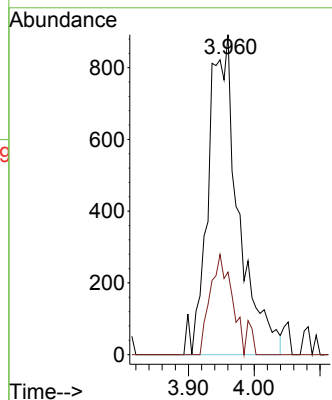
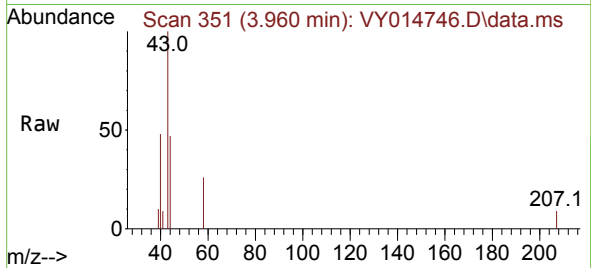




#16  
Acetone  
Concen: 3.740 ug/l  
RT: 3.960 min Scan# 31  
Delta R.T. 0.018 min  
Lab File: VY014746.D  
Acq: 21 Jul 2023 14:56

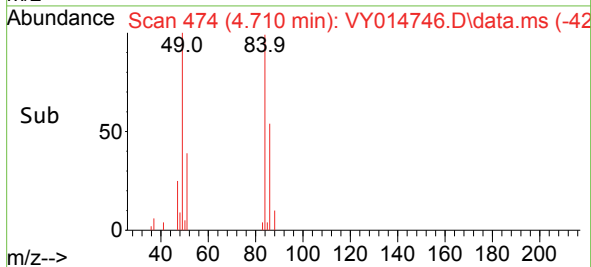
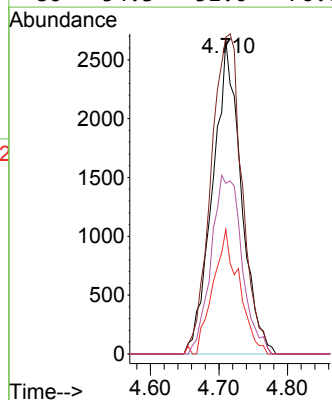
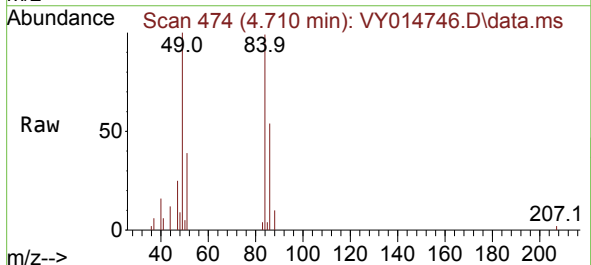
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RPTP-5-GRAB-10

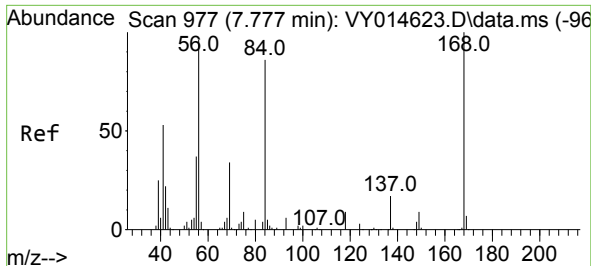
Tgt Ion: 43 Resp: 2847  
Ion Ratio Lower Upper  
43 100  
58 25.8 22.7 34.1



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.710 min Scan# 474  
Delta R.T. 0.006 min  
Lab File: VY014746.D  
Acq: 21 Jul 2023 14:56

Tgt Ion: 84 Resp: 7670  
Ion Ratio Lower Upper  
84 100  
49 100.9 106.9 160.3#  
51 39.6 33.2 49.8  
86 54.3 51.0 76.6

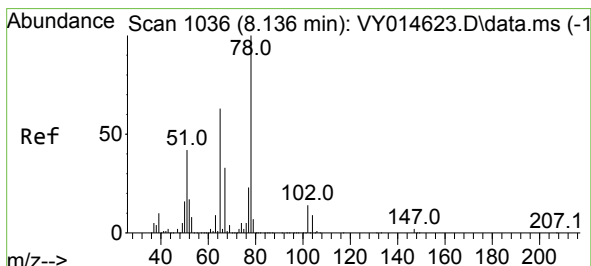
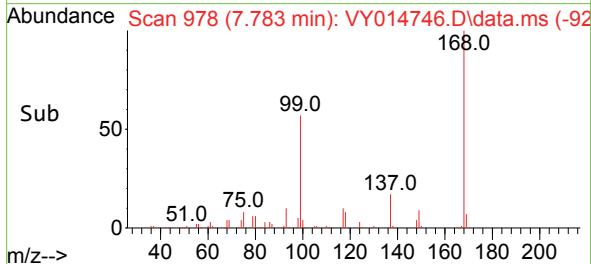
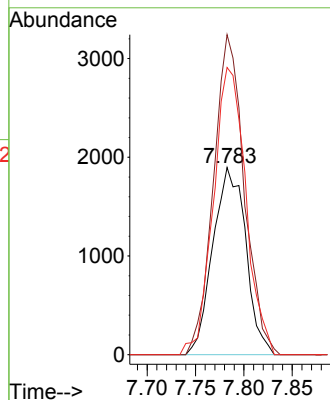
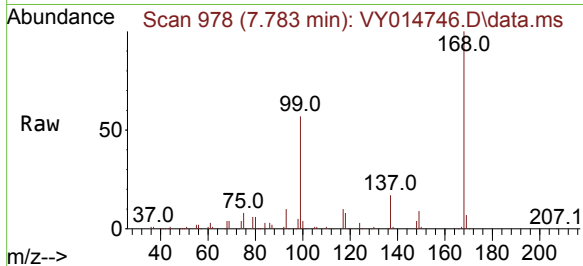




#31  
Cyclohexane  
Concen: 1.126 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY014746.D  
Acq: 21 Jul 2023 14:56

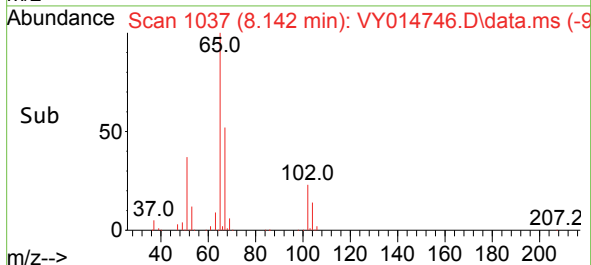
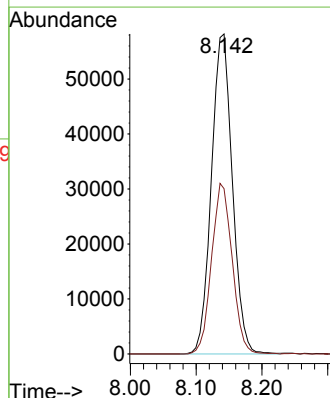
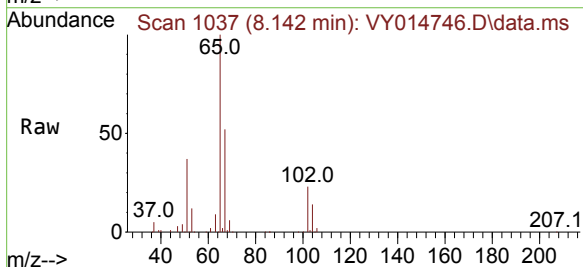
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RPTP-5-GRAB-10

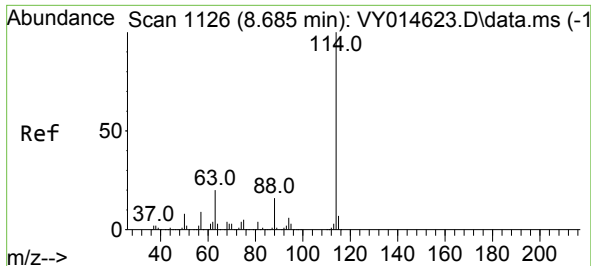
Tgt Ion: 56 Resp: 4492  
Ion Ratio Lower Upper  
56 100  
69 171.0 27.8 41.6#  
84 153.4 66.4 99.6#



#33  
1,2-Dichloroethane-d4  
Concen: 53.771 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.006 min  
Lab File: VY014746.D  
Acq: 21 Jul 2023 14:56

Tgt Ion: 65 Resp: 129173  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 101.8

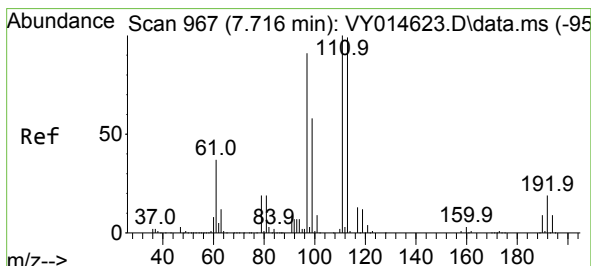
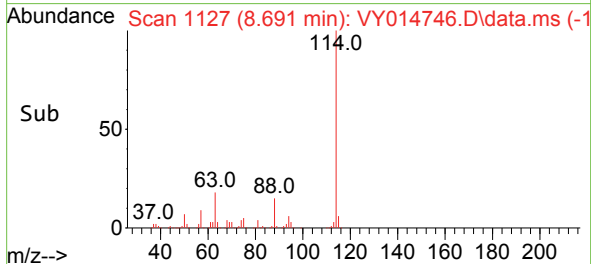
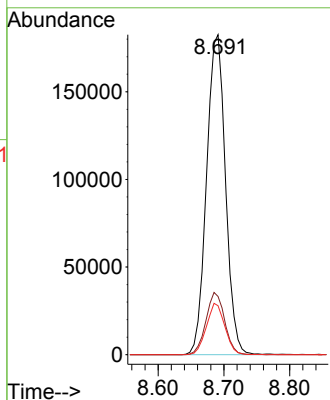
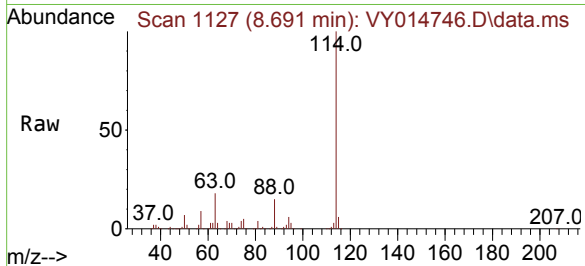




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VY014746.D  
Acq: 21 Jul 2023 14:56

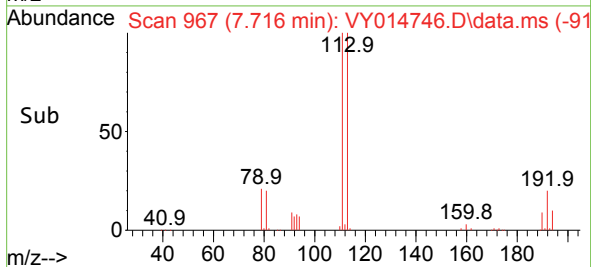
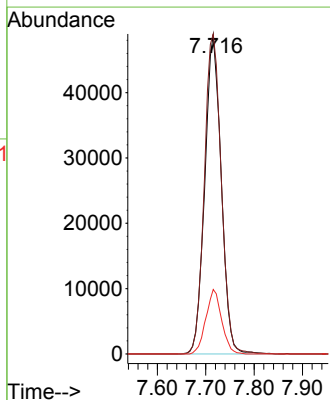
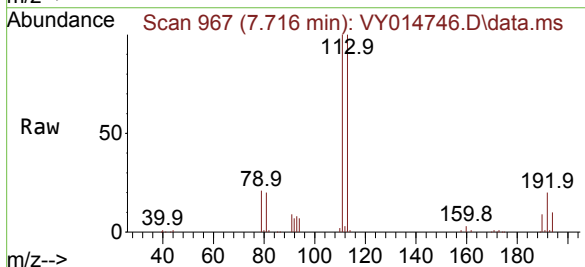
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RPTP-5-GRAB-10

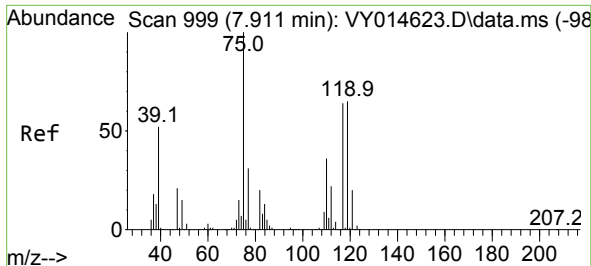
Tgt Ion:114 Resp: 365988  
Ion Ratio Lower Upper  
114 100  
63 18.2 0.0 42.4  
88 15.3 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 49.402 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY014746.D  
Acq: 21 Jul 2023 14:56

Tgt Ion:113 Resp: 115096  
Ion Ratio Lower Upper  
113 100  
111 103.3 81.3 121.9  
192 19.5 16.9 25.3

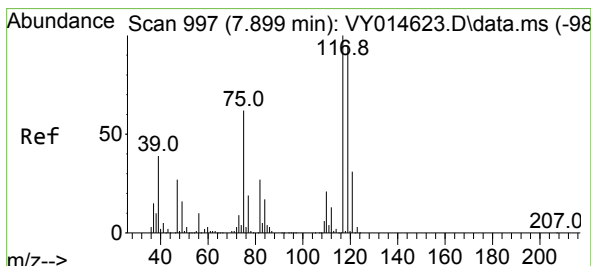
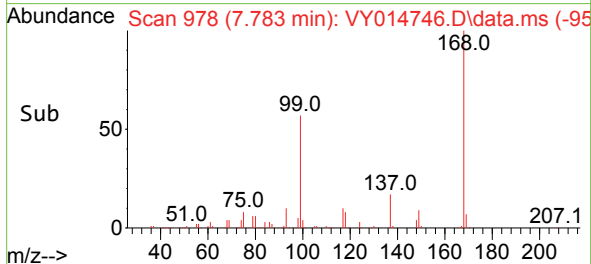
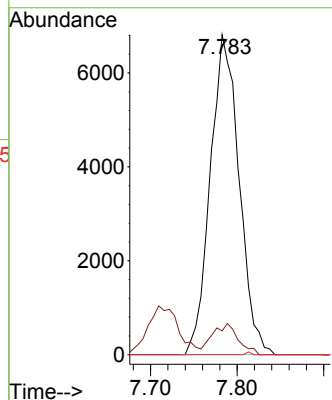
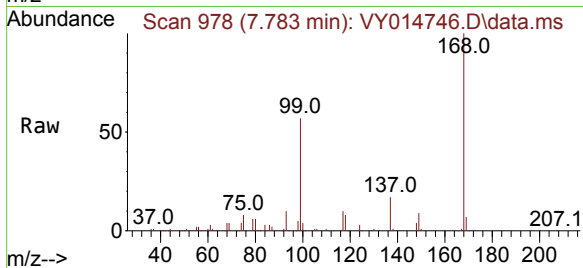




#36  
 1,1-Dichloropropene  
 Concen: 4.519 ug/l  
 RT: 7.783 min Scan# 91  
 Delta R.T. -0.128 min  
 Lab File: VY014746.D  
 Acq: 21 Jul 2023 14:56

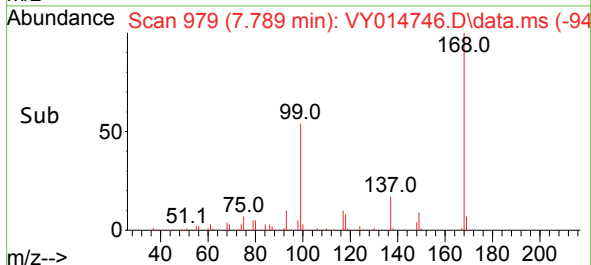
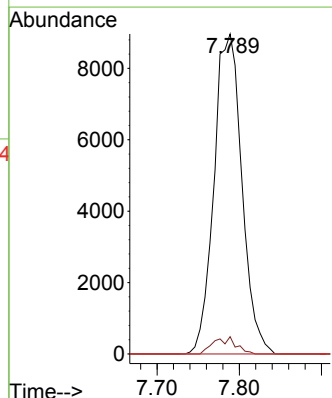
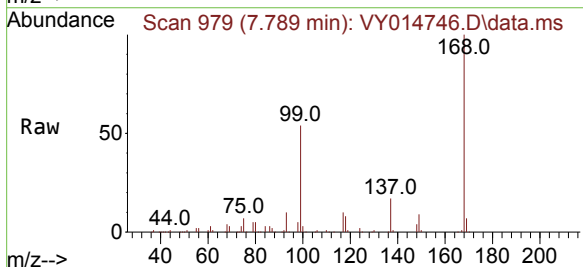
Instrument :  
 MSVOA\_Y  
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 RPTP-5-GRAB-10

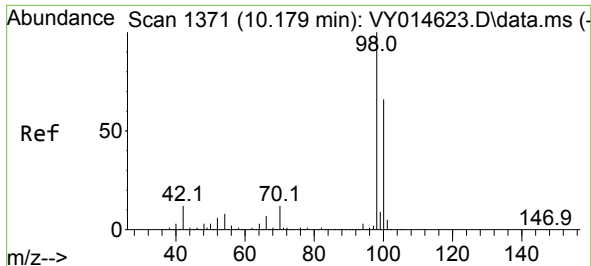
Tgt Ion: 75 Resp: 15746  
 Ion Ratio Lower Upper  
 75 100  
 110 8.7 17.8 53.5#  
 77 0.0 24.4 36.6#



#38  
 Carbon Tetrachloride  
 Concen: 5.741 ug/l  
 RT: 7.789 min Scan# 979  
 Delta R.T. -0.110 min  
 Lab File: VY014746.D  
 Acq: 21 Jul 2023 14:56

Tgt Ion: 117 Resp: 21144  
 Ion Ratio Lower Upper  
 117 100  
 119 5.4 76.4 114.6#  
 121 0.0 25.8 38.6#

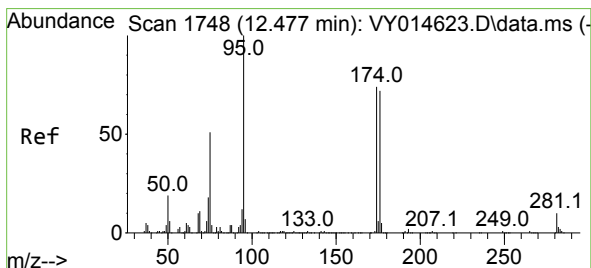
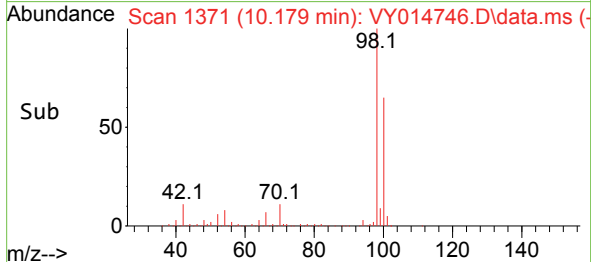
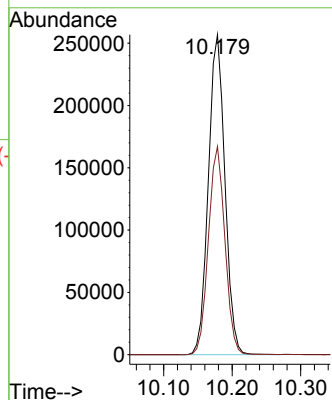
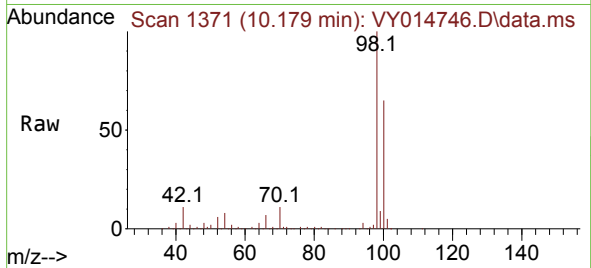




#50  
Toluene-d8  
Concen: 50.351 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY014746.D  
Acq: 21 Jul 2023 14:56

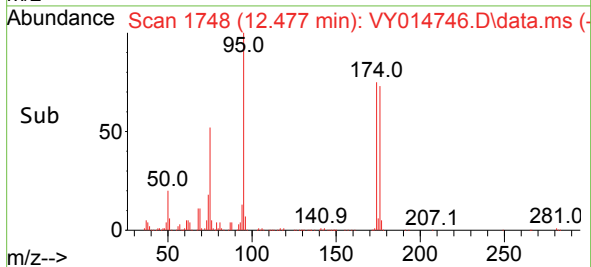
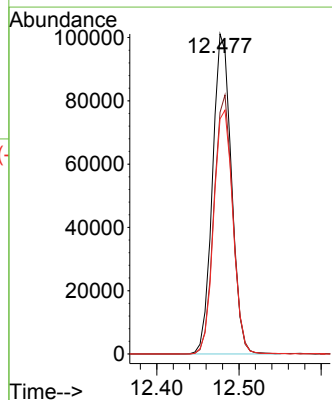
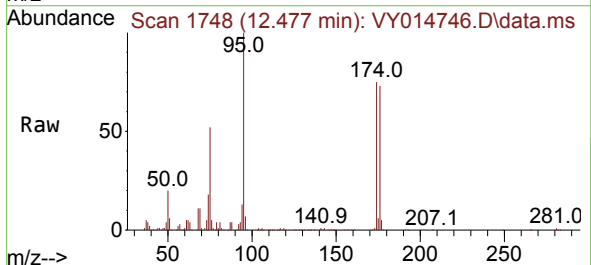
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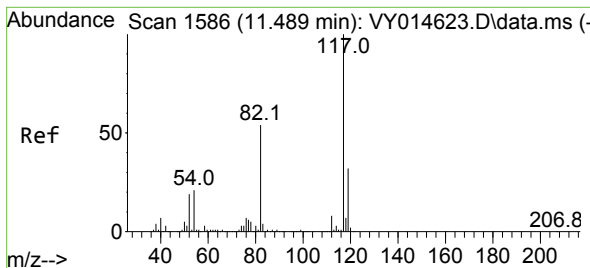
Tgt Ion: 98 Resp: 432484  
Ion Ratio Lower Upper  
98 100  
100 65.0 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 49.085 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.000 min  
Lab File: VY014746.D  
Acq: 21 Jul 2023 14:56

Tgt Ion: 95 Resp: 161662  
Ion Ratio Lower Upper  
95 100  
174 80.7 0.0 178.2  
176 77.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 117

Delta R.T. 0.000 min

Lab File: VY014746.D

Acq: 21 Jul 2023 14:56

Instrument :

MSVOA\_Y

ClientSampleId :

RPTP-5-GRAB-10

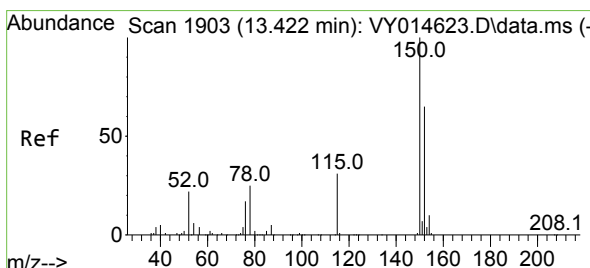
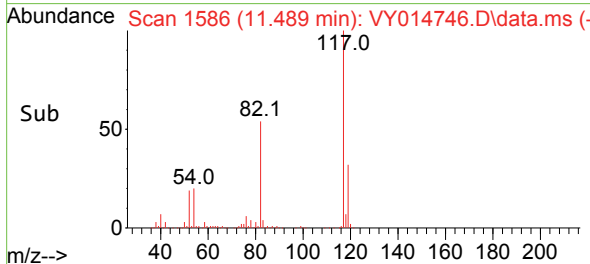
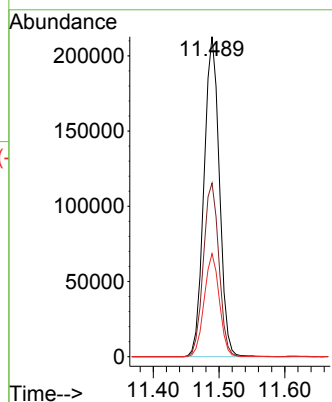
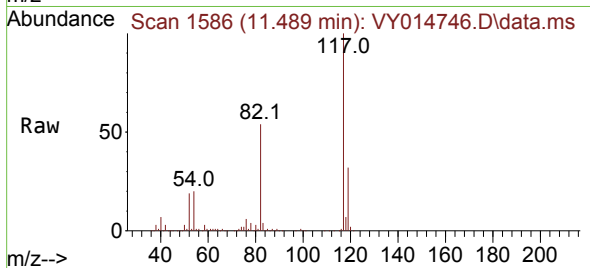
Tgt Ion:117 Resp: 345697

Ion Ratio Lower Upper

117 100

82 54.3 43.4 65.0

119 32.2 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY014746.D

Acq: 21 Jul 2023 14:56

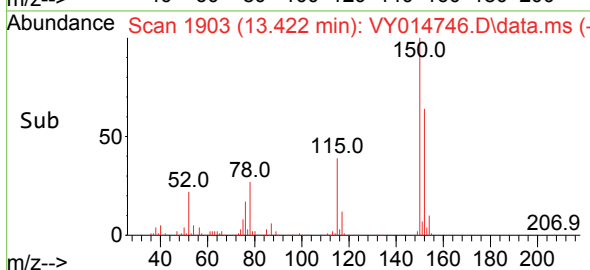
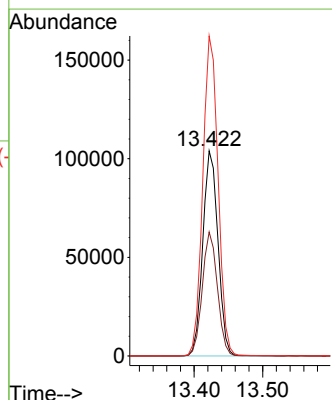
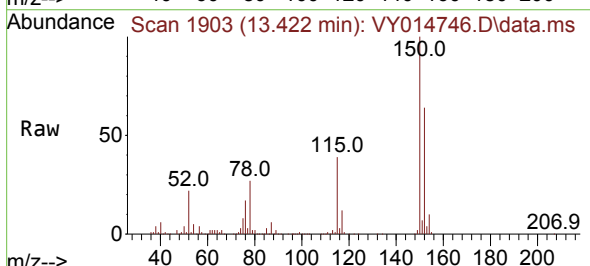
Tgt Ion:152 Resp: 160930

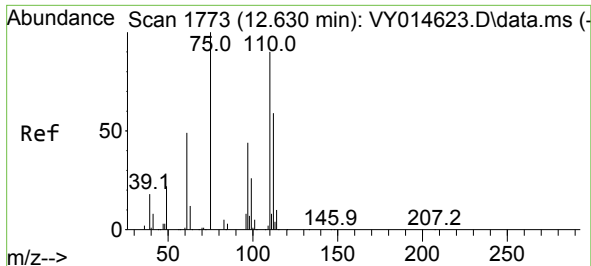
Ion Ratio Lower Upper

152 100

115 60.0 28.8 86.5

150 157.0 0.0 348.8

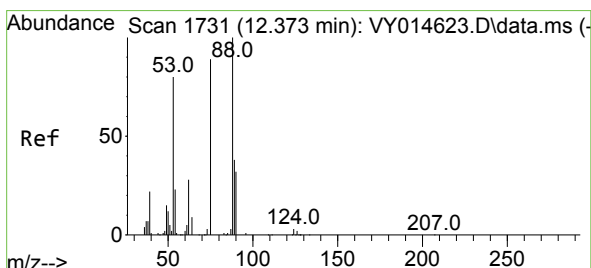
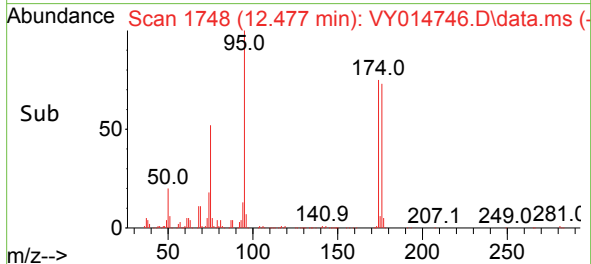
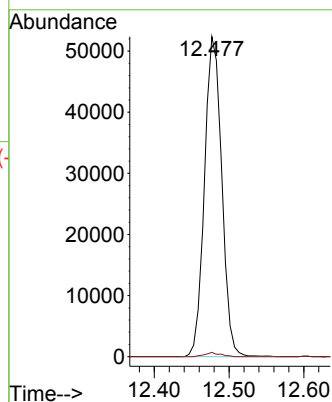
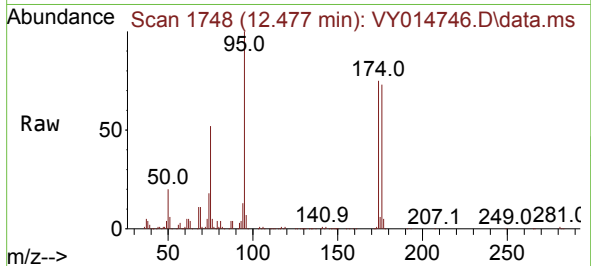




#76  
1,2,3-Trichloropropane  
Concen: 41.345 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.153 min  
Lab File: VY014746.D  
Acq: 21 Jul 2023 14:56

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RPTP-5-GRAB-10

Tgt Ion: 75 Resp: 84034  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 80.052 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.104 min  
Lab File: VY014746.D  
Acq: 21 Jul 2023 14:56

Tgt Ion: 75 Resp: 84034  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.8 116.8#  
89 0.0 37.4 56.0#

