

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102121\  
 Data File : VY006430.D  
 Acq On : 21 Oct 2021 17:15  
 Operator : SY/MD  
 Sample : M4308-03  
 Misc : 4.35G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 22 03:38:16 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y092821S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 28 17:44:36 2021  
 Response via : Initial Calibration

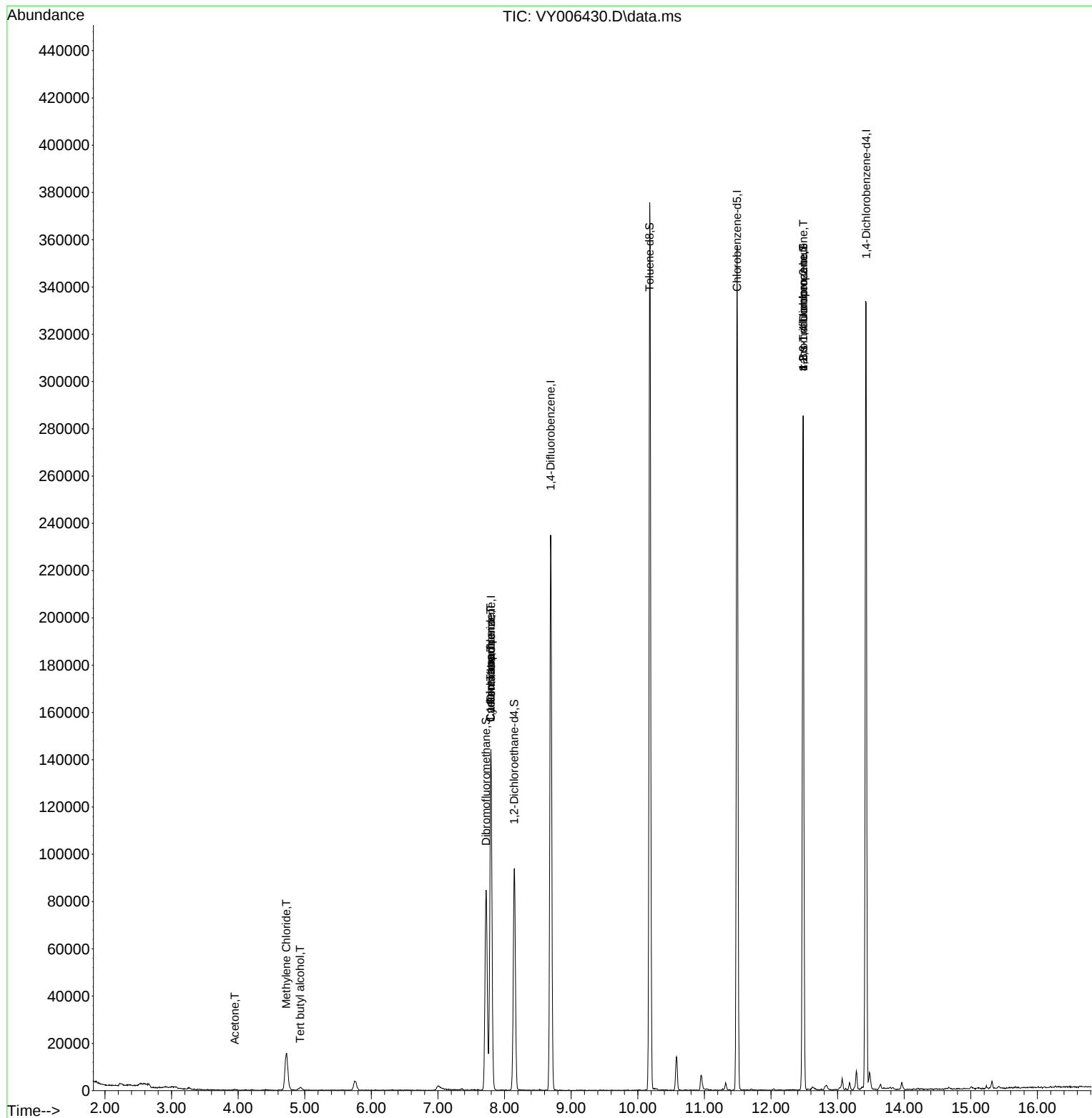
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 111390   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 189933   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 181320   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 83833    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 77973    | 65.403   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 130.800% |          |
| 35) Dibromofluoromethane      | 7.722  | 113   | 56247    | 55.430   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 110.860% |          |
| 50) Toluene-d8                | 10.179 | 98    | 239460   | 56.385   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery | = 112.780% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 75230    | 52.145   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery | = 104.280% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.930  | 59    | 799      | 7.662    | ug/l #     | 77       |
| 16) Acetone                   | 3.948  | 43    | 793      | 2.382    | ug/l #     | 79       |
| 20) Methylene Chloride        | 4.723  | 84    | 11434    | 6.721    | ug/l #     | 91       |
| 31) Cyclohexane               | 7.789  | 56    | 2624     | 1.162    | ug/l #     | 17       |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 9074     | 4.802    | ug/l #     | 52       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 10854    | 5.439    | ug/l #     | 15       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 43942    | 53.929   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 43942    | 105.978  | ug/l #     | 7        |
| -----                         |        |       |          |          |            |          |

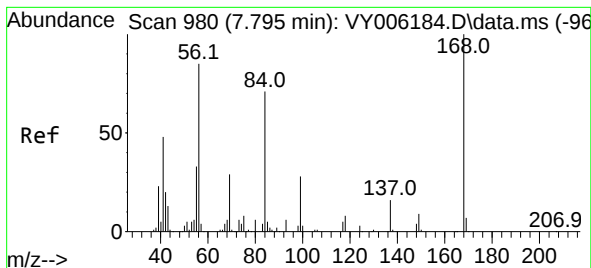
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y092821S.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 28 17:44:36 2021  
Response via : Initial Calibration

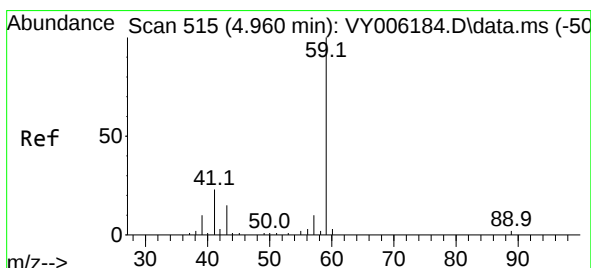
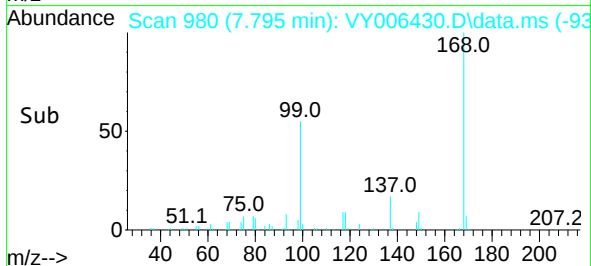
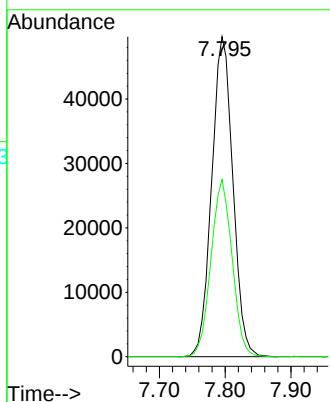
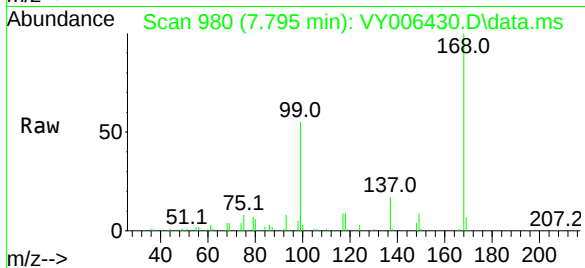




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY006430.D  
Acq: 21 Oct 2021 17:15

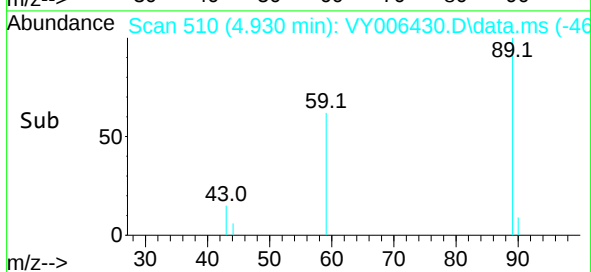
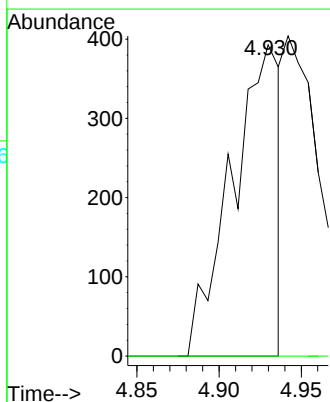
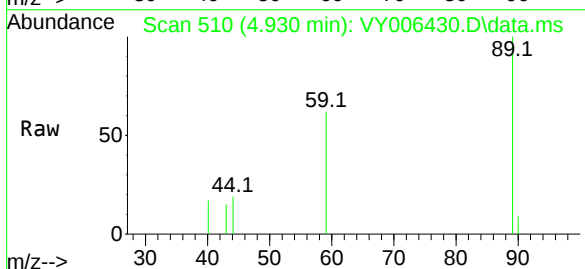
Instrument :  
MSVOA\_Y  
ClientSampled :

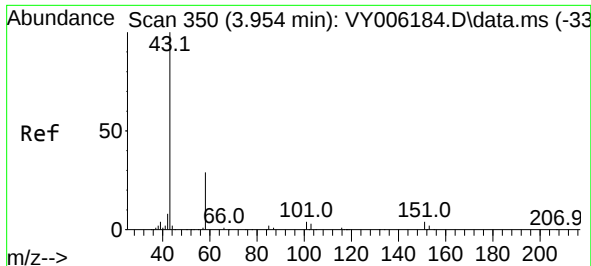
Tgt Ion:168 Resp: 111390  
Ion Ratio Lower Upper  
168 100  
99 55.4 46.9 70.3



#11  
Tert butyl alcohol  
Concen: 7.662 ug/l  
RT: 4.930 min Scan# 510  
Delta R.T. -0.030 min  
Lab File: VY006430.D  
Acq: 21 Oct 2021 17:15

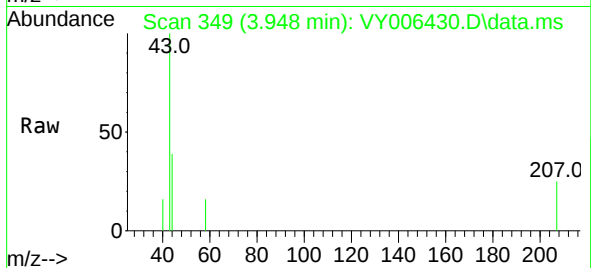
Tgt Ion: 59 Resp: 799  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#



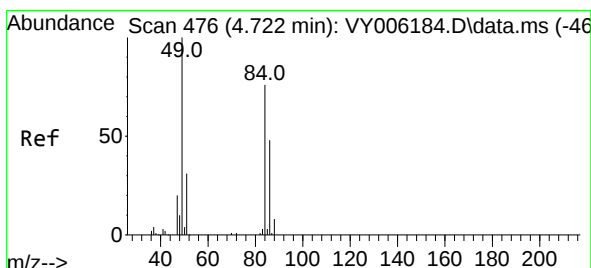
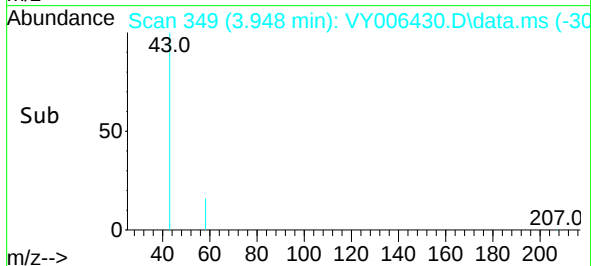
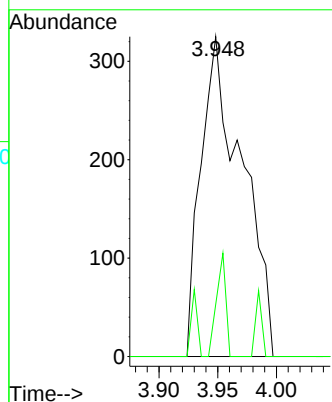


#16  
Acetone  
Concen: 2.382 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. -0.006 min  
Lab File: VY006430.D  
Acq: 21 Oct 2021 17:15

Instrument :  
MSVOA\_Y  
ClientSampled :

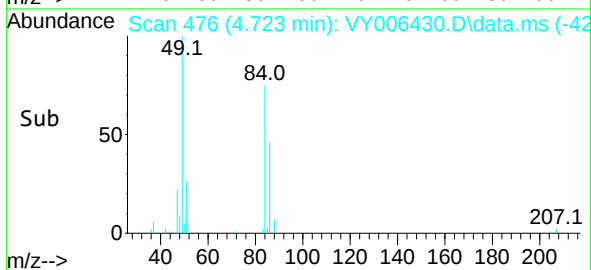
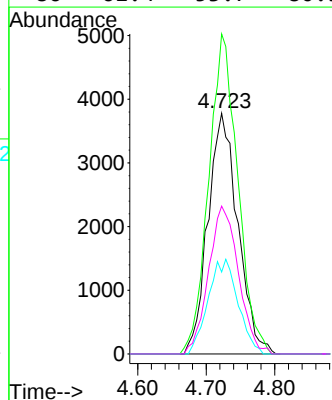
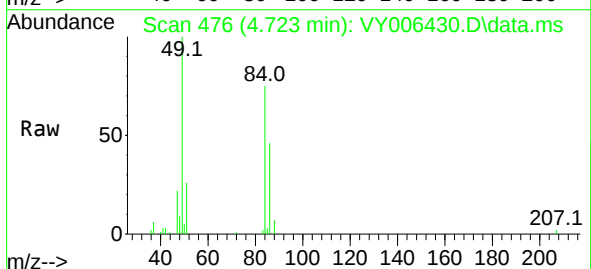


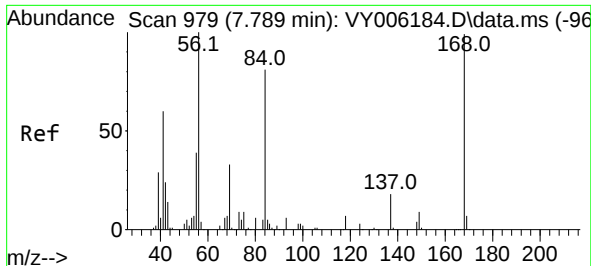
Tgt Ion: 43 Resp: 793  
Ion Ratio Lower Upper  
43 100  
58 16.3 22.0 33.0#



#20  
Methylene Chloride  
Concen: 6.721 ug/l  
RT: 4.723 min Scan# 476  
Delta R.T. 0.001 min  
Lab File: VY006430.D  
Acq: 21 Oct 2021 17:15

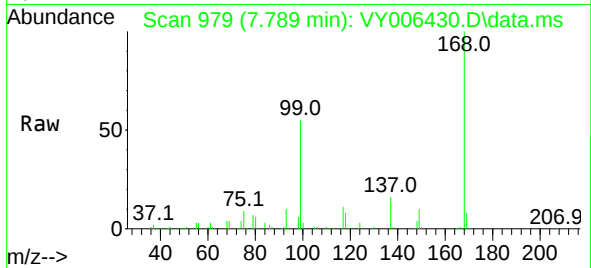
Tgt Ion: 84 Resp: 11434  
Ion Ratio Lower Upper  
84 100  
49 132.9 114.4 171.6  
51 34.0 35.3 52.9#  
86 61.4 53.7 80.5



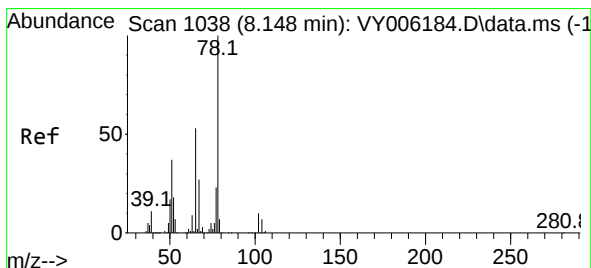
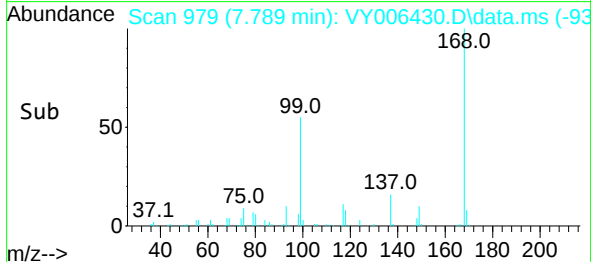
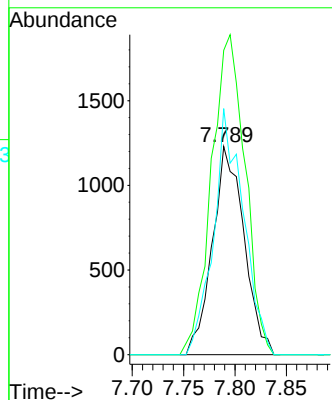


#31  
Cyclohexane  
Concen: 1.162 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. 0.000 min  
Lab File: VY006430.D  
Acq: 21 Oct 2021 17:15

Instrument :  
MSVOA\_Y  
ClientSampleId :

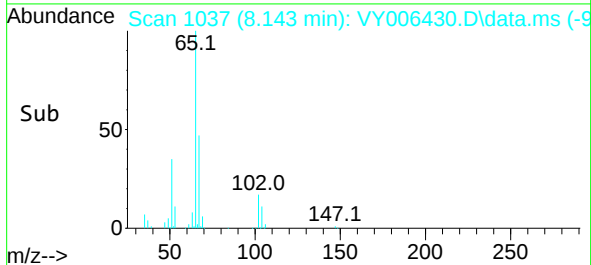
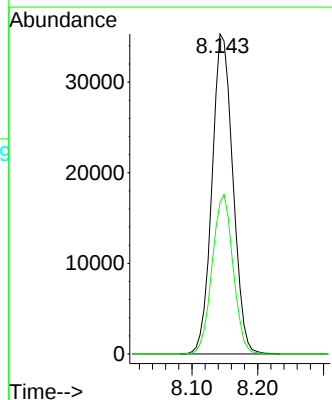
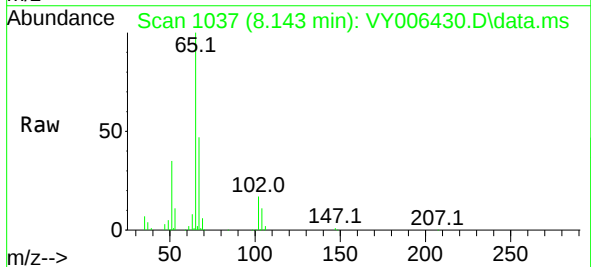


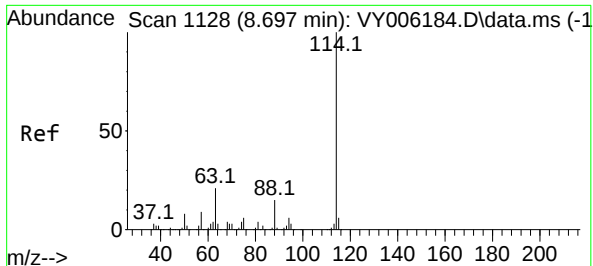
Tgt Ion: 56 Resp: 2624  
Ion Ratio Lower Upper  
56 100  
69 146.2 26.7 40.1#  
84 118.2 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 65.403 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.006 min  
Lab File: VY006430.D  
Acq: 21 Oct 2021 17:15

Tgt Ion: 65 Resp: 77973  
Ion Ratio Lower Upper  
65 100  
67 49.9 0.0 99.4

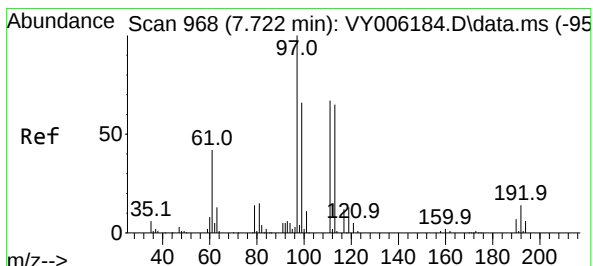
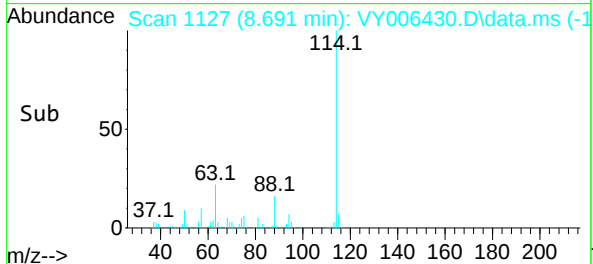
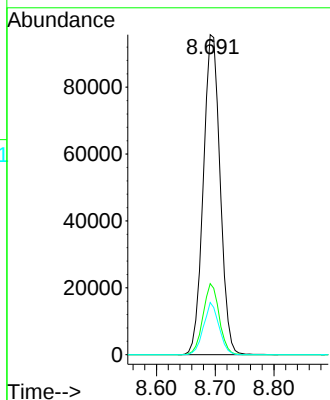
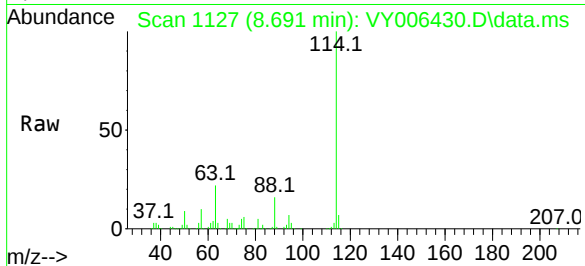




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. -0.006 min  
Lab File: VY006430.D  
Acq: 21 Oct 2021 17:15

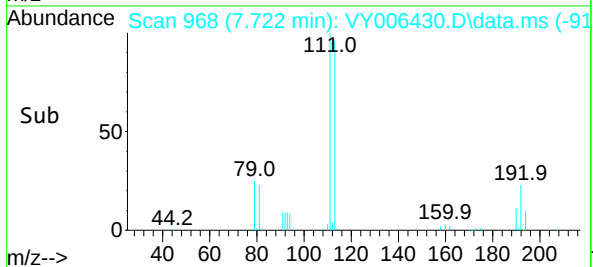
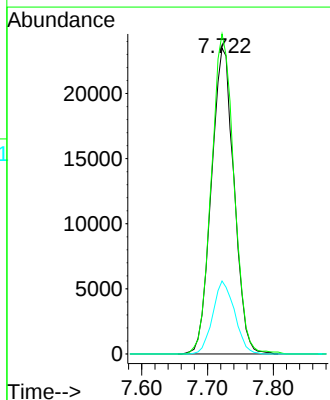
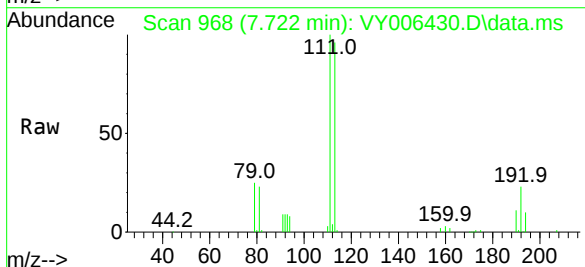
Instrument :  
MSVOA\_Y  
ClientSampleId :

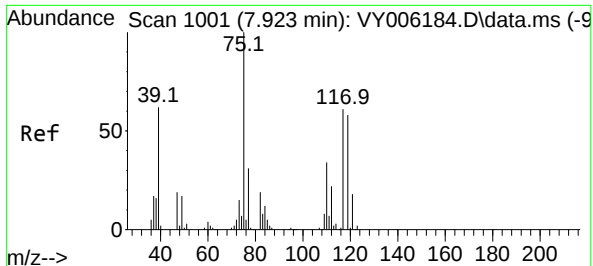
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.2  | 0.0   | 43.2  |
| 88      | 16.3  | 0.0   | 31.8  |



#35  
Dibromofluoromethane  
Concen: 55.430 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: VY006430.D  
Acq: 21 Oct 2021 17:15

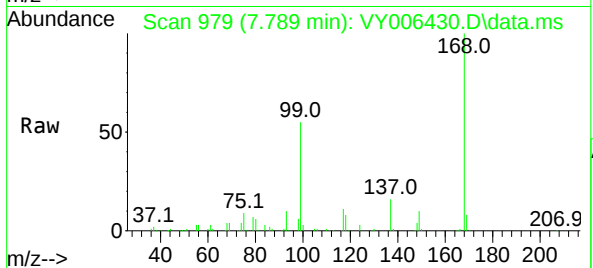
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.6 | 82.6  | 124.0 |
| 192     | 23.0  | 17.6  | 26.4  |



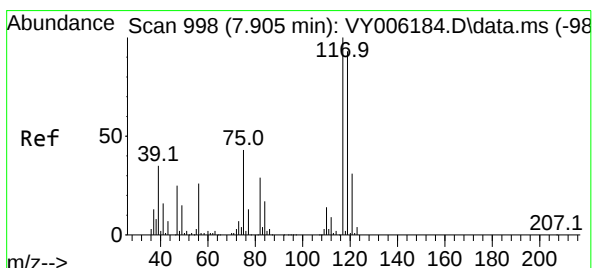
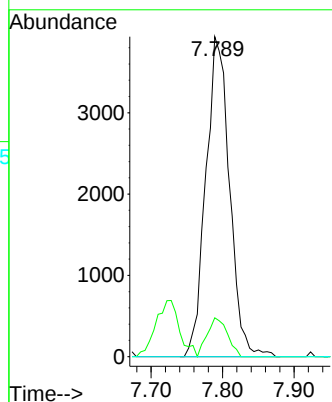
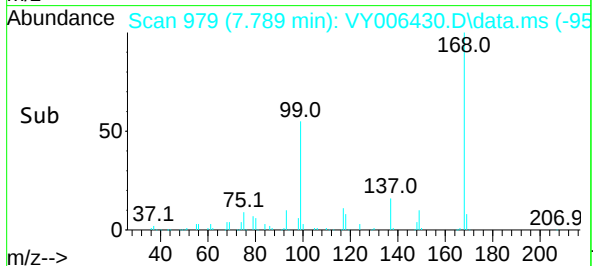


#36  
 1,1-Dichloropropene  
 Concen: 4.802 ug/l  
 RT: 7.789 min Scan# 979  
 Delta R.T. -0.134 min  
 Lab File: VY006430.D  
 Acq: 21 Oct 2021 17:15

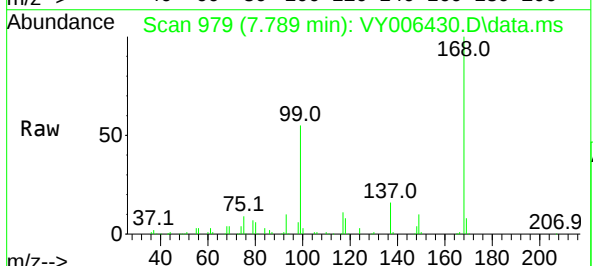
Instrument :  
 MSVOA\_Y  
 ClientSampleId :



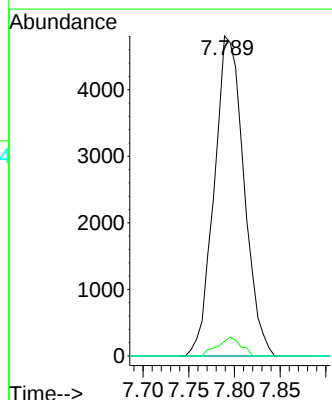
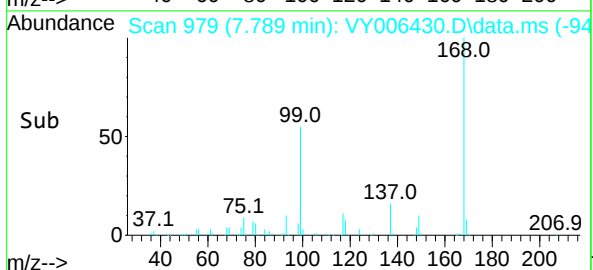
Tgt Ion: 75 Resp: 9074  
 Ion Ratio Lower Upper  
 75 100  
 110 10.3 17.1 51.2#  
 77 0.0 24.4 36.6#

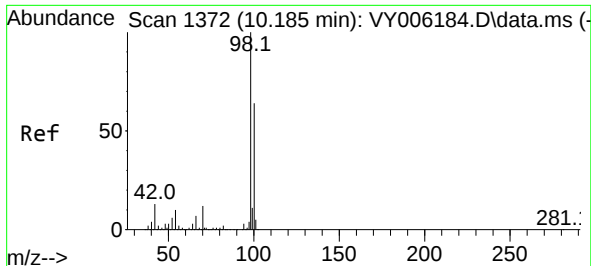


#38  
 Carbon Tetrachloride  
 Concen: 5.439 ug/l  
 RT: 7.789 min Scan# 979  
 Delta R.T. -0.116 min  
 Lab File: VY006430.D  
 Acq: 21 Oct 2021 17:15



Tgt Ion: 117 Resp: 10854  
 Ion Ratio Lower Upper  
 117 100  
 119 4.5 77.9 116.9#  
 121 0.0 24.8 37.2#

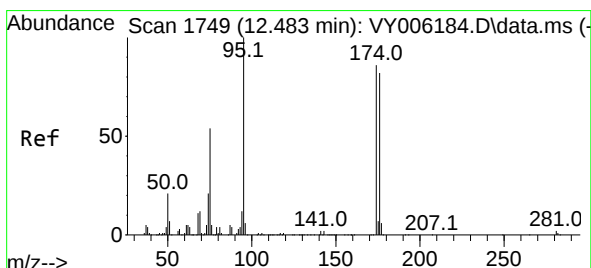
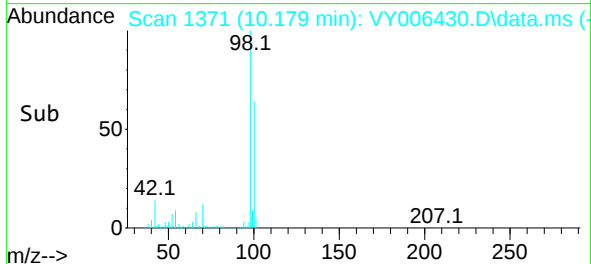
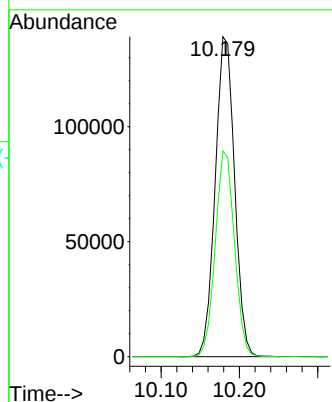
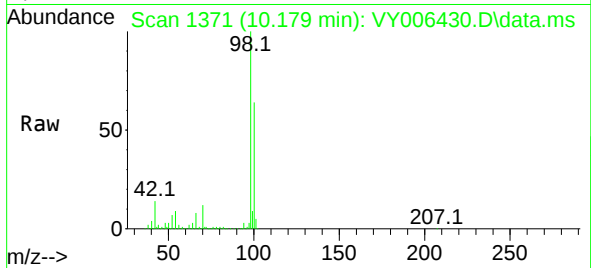




#50  
Toluene-d8  
Concen: 56.385 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.006 min  
Lab File: VY006430.D  
Acq: 21 Oct 2021 17:15

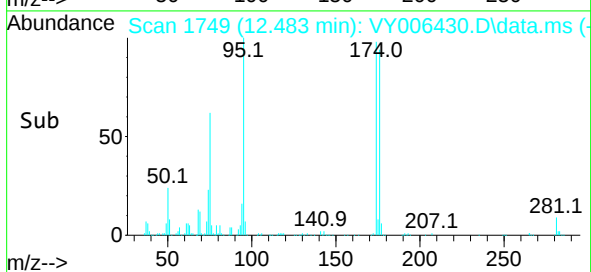
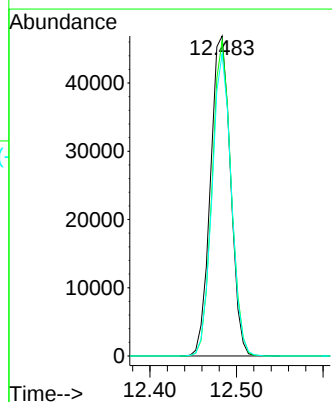
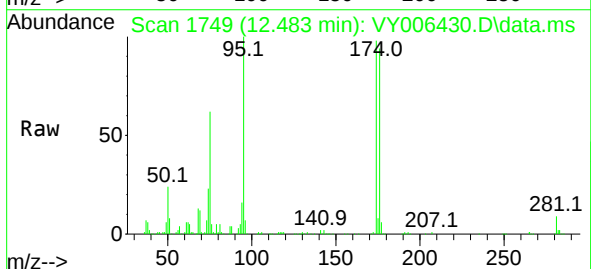
Instrument :  
MSVOA\_Y  
ClientSampled :

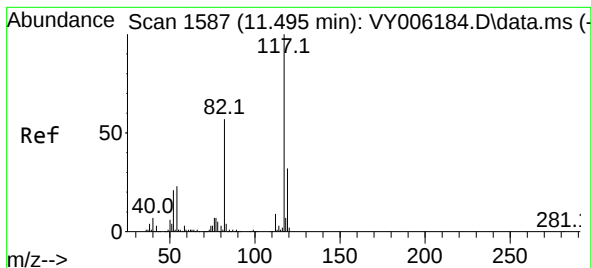
Tgt Ion: 98 Resp: 239460  
Ion Ratio Lower Upper  
98 100  
100 63.7 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 52.145 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY006430.D  
Acq: 21 Oct 2021 17:15

Tgt Ion: 95 Resp: 75230  
Ion Ratio Lower Upper  
95 100  
174 93.4 0.0 177.0  
176 90.8 0.0 175.8

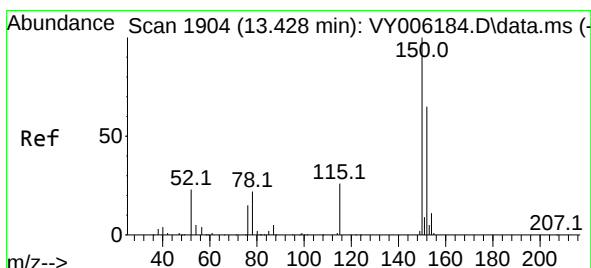
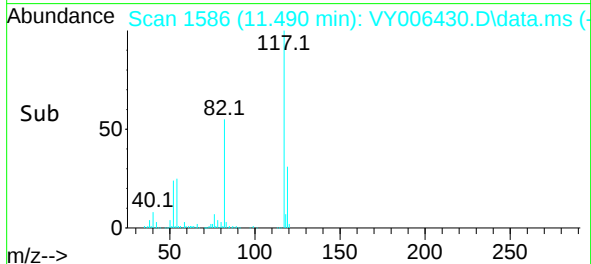
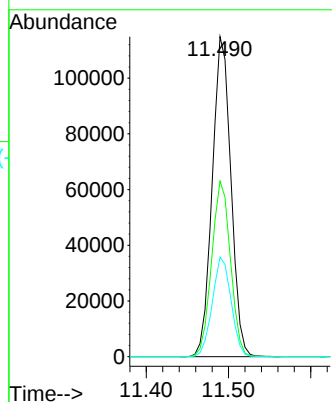
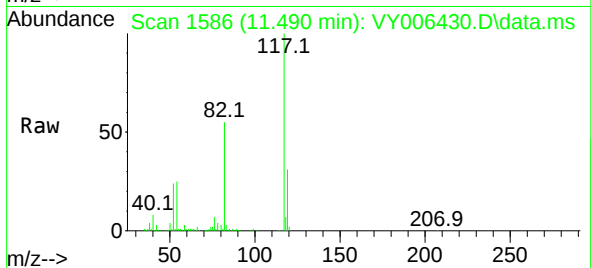




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: VY006430.D  
Acq: 21 Oct 2021 17:15

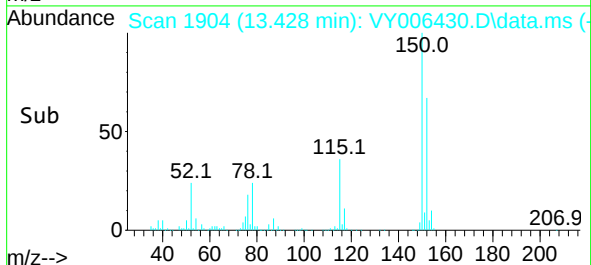
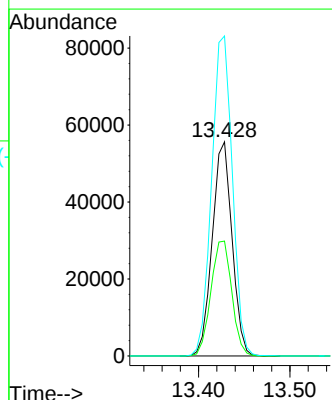
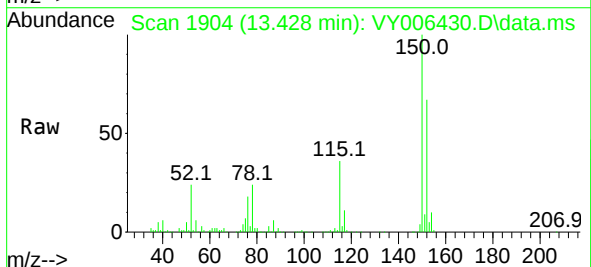
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:117 Resp: 181320  
Ion Ratio Lower Upper  
117 100  
82 54.9 43.0 64.4  
119 31.1 25.4 38.0

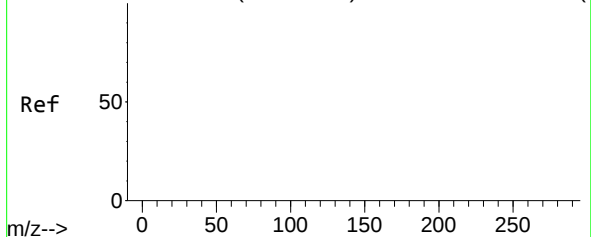


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY006430.D  
Acq: 21 Oct 2021 17:15

Tgt Ion:152 Resp: 83833  
Ion Ratio Lower Upper  
152 100  
115 56.5 28.2 84.7  
150 156.2 0.0 347.6



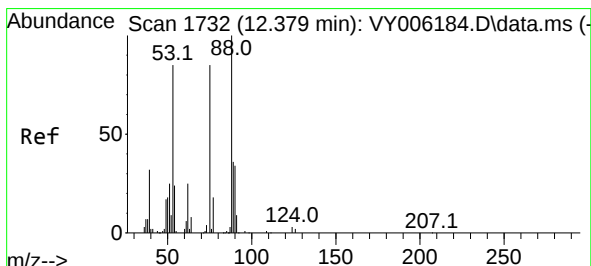
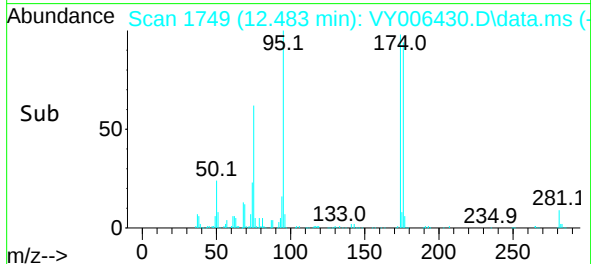
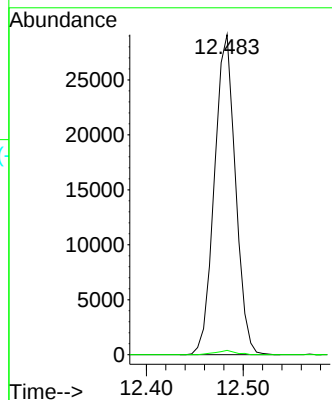
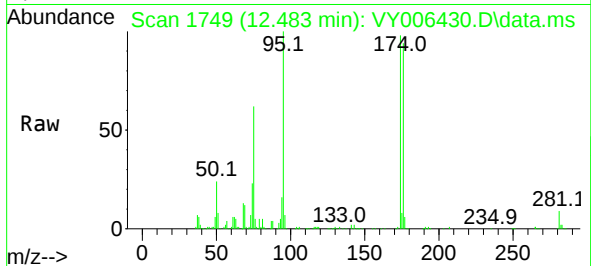
Abundance Scan 1774 (12.635 min): VY006184.D\data.ms (-



#76  
1,2,3-Trichloropropane  
Concen: 53.929 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY006430.D  
Acq: 21 Oct 2021 17:15

Tgt Ion: 75 Resp: 43942  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#

Instrument :  
MSVOA\_Y  
ClientSampled :



#81  
trans-1,4-Dichloro-2-butene  
Concen: 105.978 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY006430.D  
Acq: 21 Oct 2021 17:15

Tgt Ion: 75 Resp: 43942  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.0 37.0 55.4#

