

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080421\  
 Data File : VY005535.D  
 Acq On : 04 Aug 2021 14:15  
 Operator : SY/MD  
 Sample : M3271-13  
 Misc : 4.99G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Aug 05 06:39:28 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 03 04:52:05 2021  
 Response via : Initial Calibration

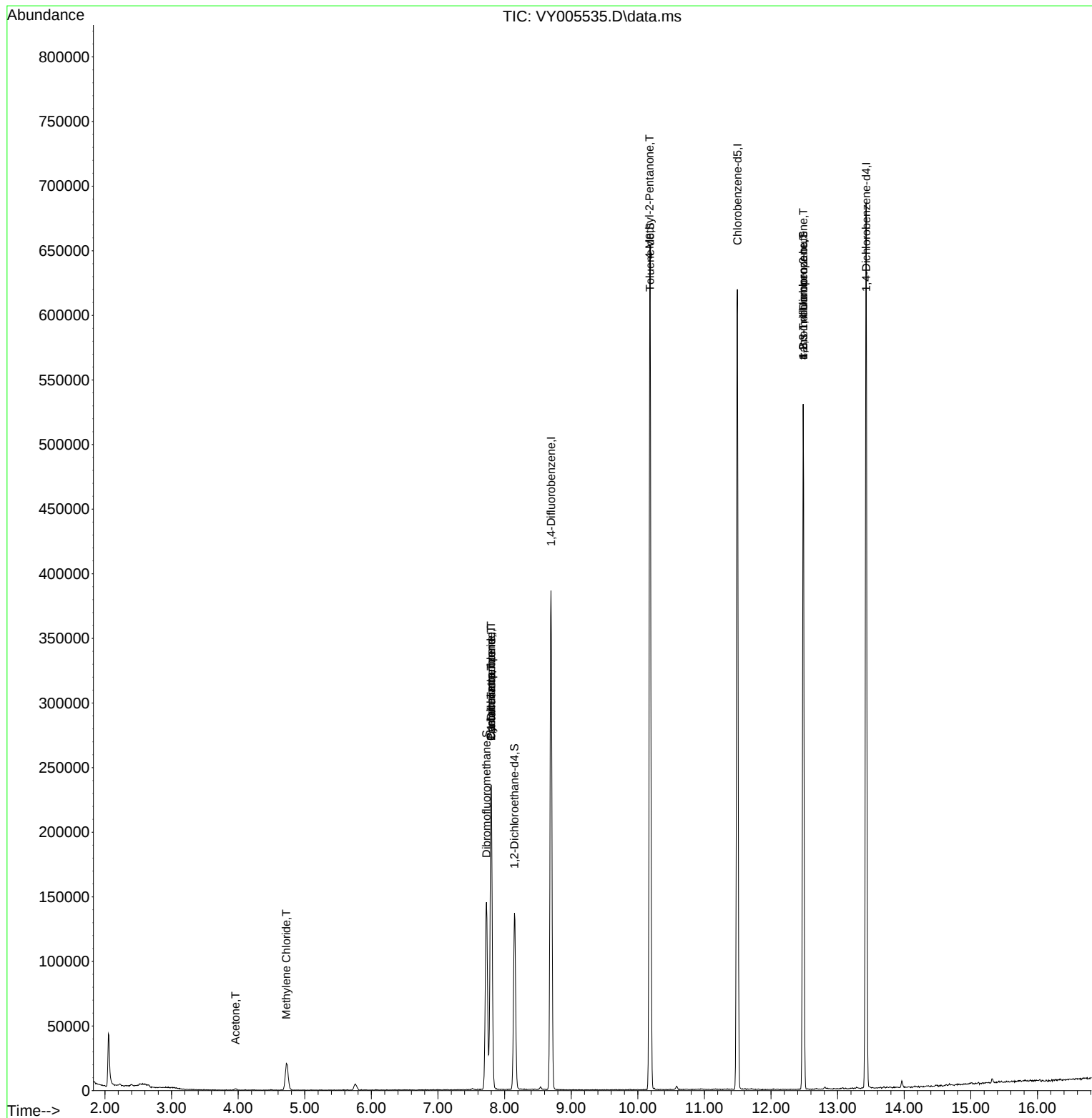
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.801  | 168   | 195548   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 330226   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.496 | 117   | 334211   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 173204   | 50.000   | ug/l       | 0.00     |
|                               |        |       |          |          |            |          |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.149  | 65    | 112287   | 56.727   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 113.460% |          |
| 35) Dibromofluoromethane      | 7.728  | 113   | 98350    | 53.195   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 106.400% |          |
| 50) Toluene-d8                | 10.185 | 98    | 417004   | 53.779   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery | = 107.560% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 144414   | 56.242   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery | = 112.480% |          |
|                               |        |       |          |          |            |          |
| Target Compounds              |        |       |          |          |            | Qvalue   |
| 16) Acetone                   | 3.960  | 43    | 1993     | 3.993    | ug/l       | 99       |
| 20) Methylene Chloride        | 4.722  | 84    | 15467    | 1.996    | ug/l       | 95       |
| 31) Cyclohexane               | 7.795  | 56    | 3729     | 1.098    | ug/l #     | 9        |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 13058    | 4.216    | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 18116    | 5.382    | ug/l #     | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.179 | 43    | 1892     | 1.011    | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 80912    | 45.079   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 80912    | 90.873   | ug/l #     | 11       |
| -----                         |        |       |          |          |            |          |

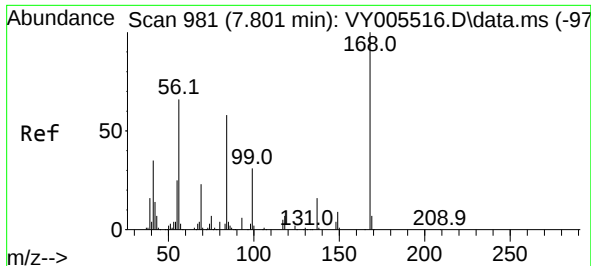
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
ClientSampleId :

Quant Time: Aug 05 06:39:28 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 03 04:52:05 2021  
Response via : Initial Calibration

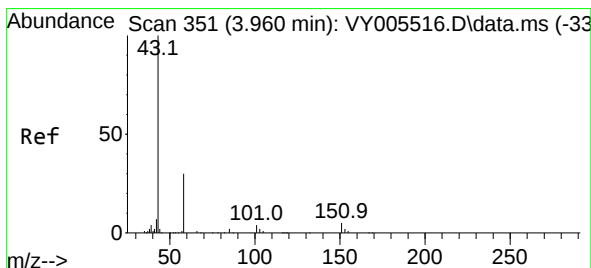
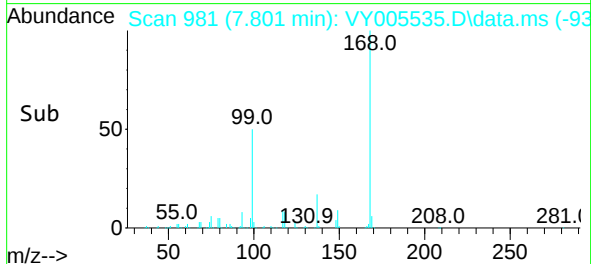
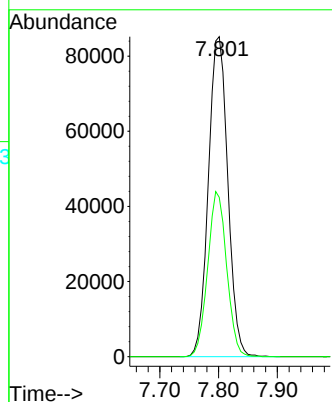
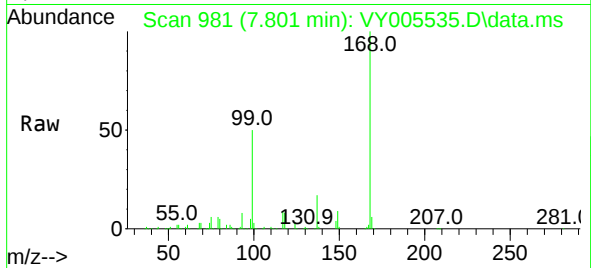




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY005535.D  
Acq: 04 Aug 2021 14:15

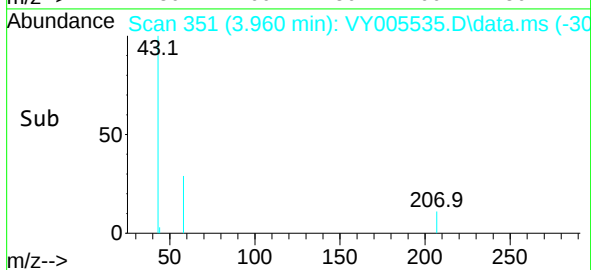
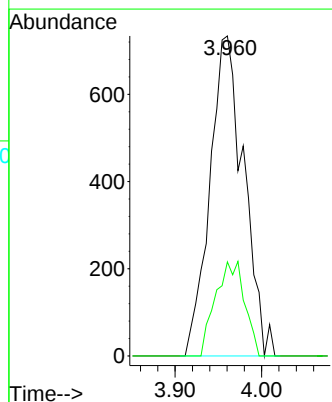
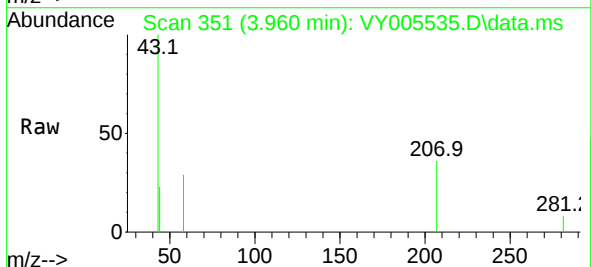
Instrument :  
MSVOA\_Y  
ClientSampleId :

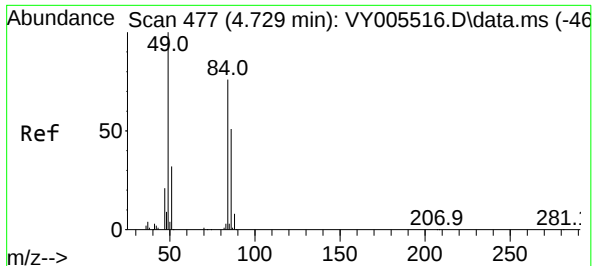
Tgt Ion:168 Resp: 195548  
Ion Ratio Lower Upper  
168 100  
99 49.8 38.9 58.3



#16  
Acetone  
Concen: 3.993 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. -0.000 min  
Lab File: VY005535.D  
Acq: 04 Aug 2021 14:15

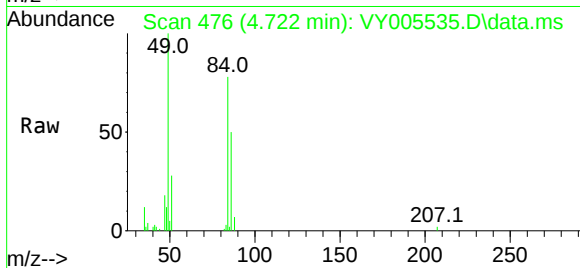
Tgt Ion: 43 Resp: 1993  
Ion Ratio Lower Upper  
43 100  
58 29.4 23.8 35.6





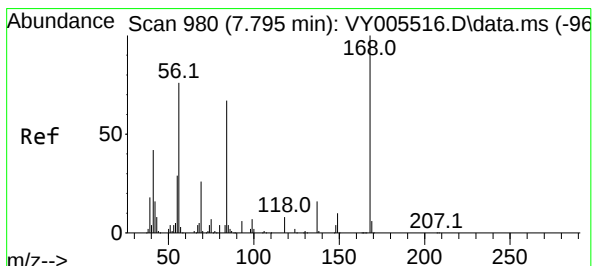
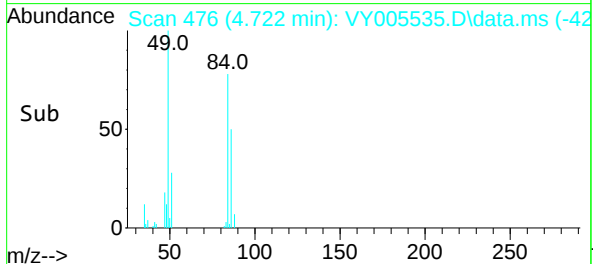
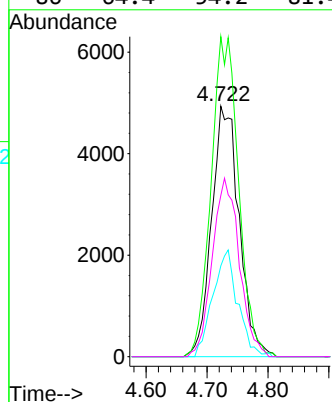
#20  
Methylene Chloride  
Concen: 1.996 ug/l  
RT: 4.722 min Scan# 476  
Delta R.T. -0.007 min  
Lab File: VY005535.D  
Acq: 04 Aug 2021 14:15

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 84 Resp: 15467

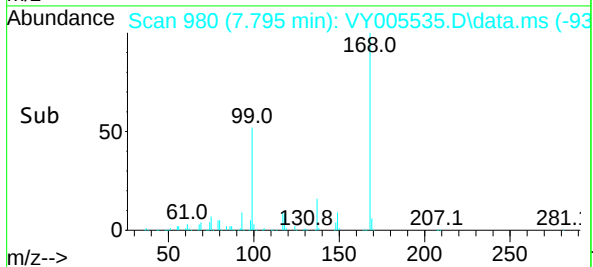
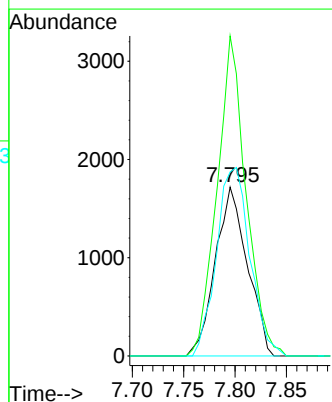
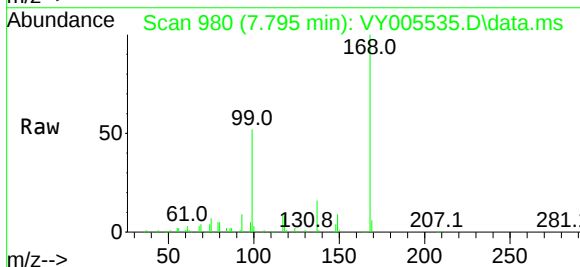
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 127.8 | 105.8 | 158.6 |
| 51  | 36.3  | 33.4  | 50.2  |
| 86  | 64.4  | 54.2  | 81.4  |

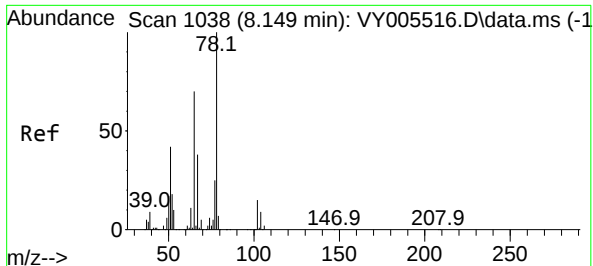


#31  
Cyclohexane  
Concen: 1.098 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.000 min  
Lab File: VY005535.D  
Acq: 04 Aug 2021 14:15

Tgt Ion: 56 Resp: 3729

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 189.5 | 27.7  | 41.5#  |
| 84  | 109.0 | 70.9  | 106.3# |

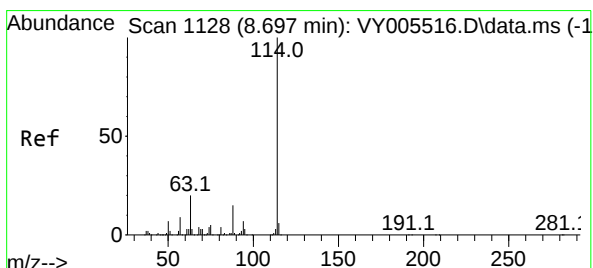
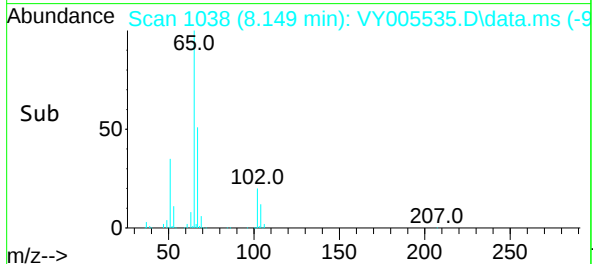
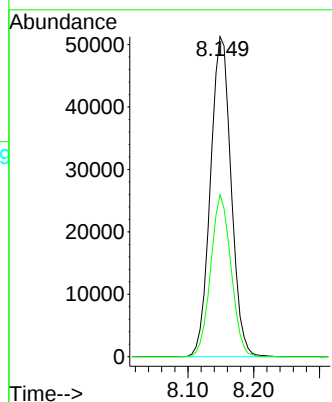
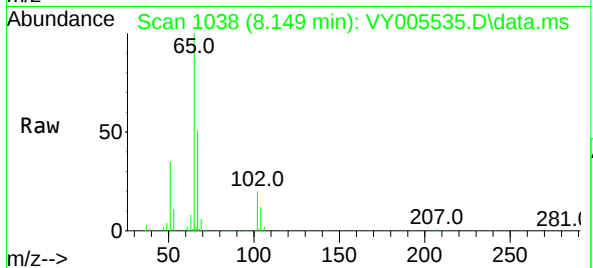




#33  
1,2-Dichloroethane-d4  
Concen: 56.727 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005535.D  
Acq: 04 Aug 2021 14:15

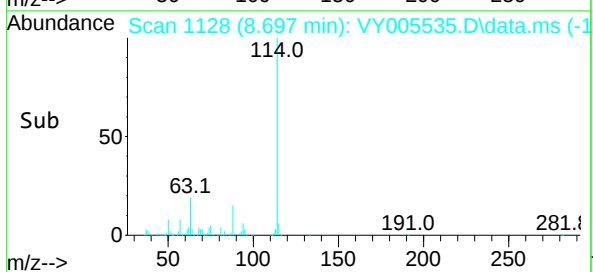
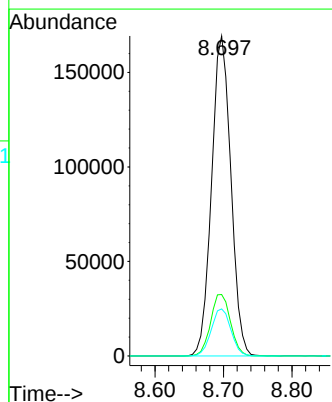
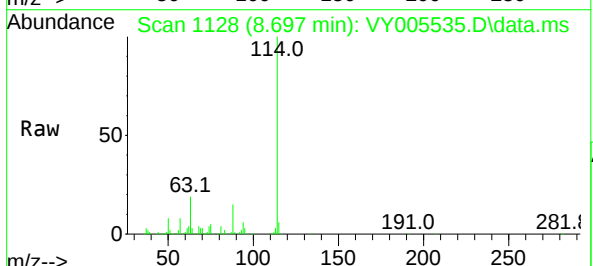
Instrument :  
MSVOA\_Y  
ClientSampleId :

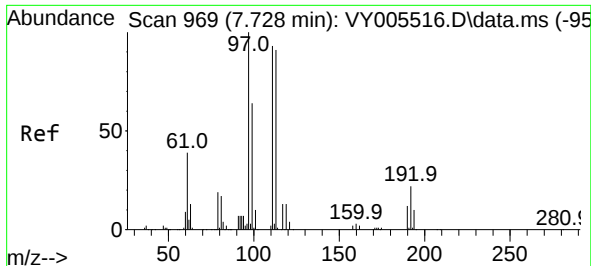
Tgt Ion: 65 Resp: 112287  
Ion Ratio Lower Upper  
65 100  
67 49.7 0.0 103.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005535.D  
Acq: 04 Aug 2021 14:15

Tgt Ion: 114 Resp: 330226  
Ion Ratio Lower Upper  
114 100  
63 19.2 0.0 39.2  
88 14.7 0.0 30.8

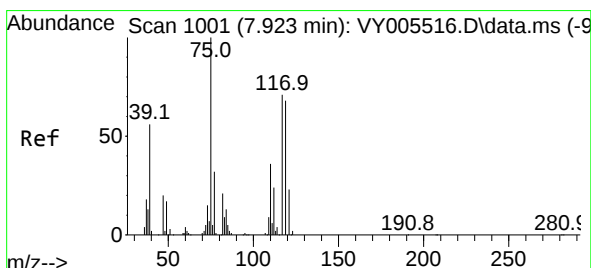
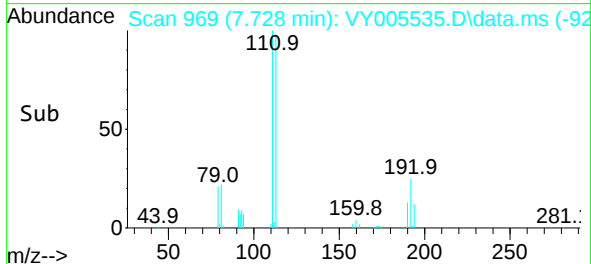
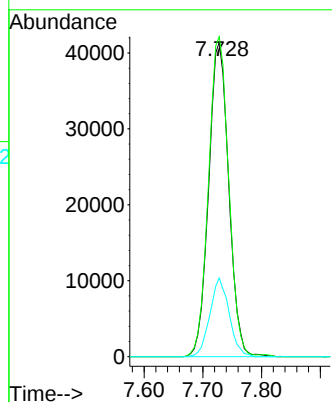
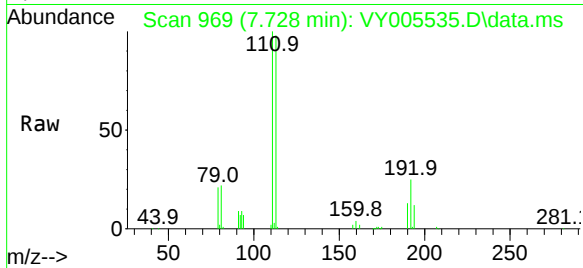




#35  
Dibromofluoromethane  
Concen: 53.195 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY005535.D  
Acq: 04 Aug 2021 14:15

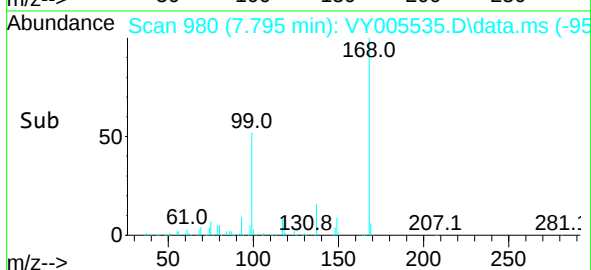
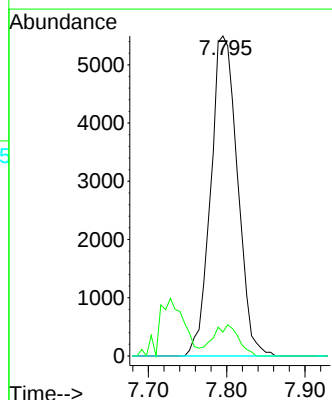
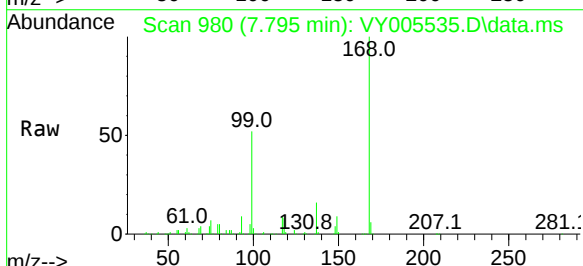
Instrument :  
MSVOA\_Y  
ClientSampleId :

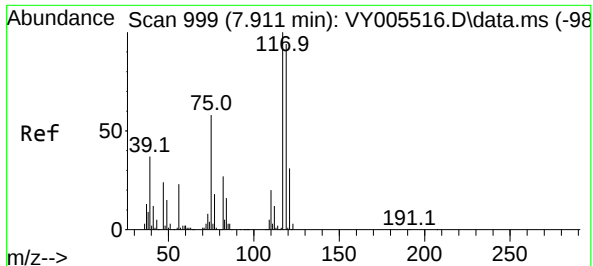
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 98350 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.2 | 81.9  | 122.9 |
| 192      | 24.0  | 19.2  | 28.8  |



#36  
1,1-Dichloropropene  
Concen: 4.216 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.128 min  
Lab File: VY005535.D  
Acq: 04 Aug 2021 14:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 13058 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.4   | 18.1  | 54.1# |
| 77       | 0.0   | 25.1  | 37.7# |





#38

Carbon Tetrachloride

Concen: 5.382 ug/l

RT: 7.795 min Scan# 980

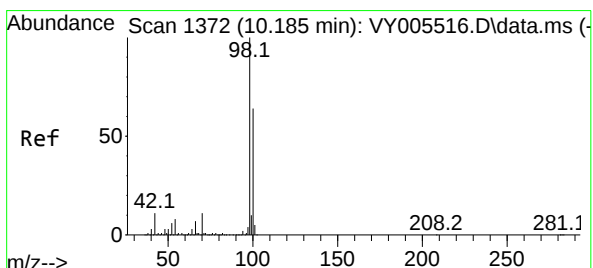
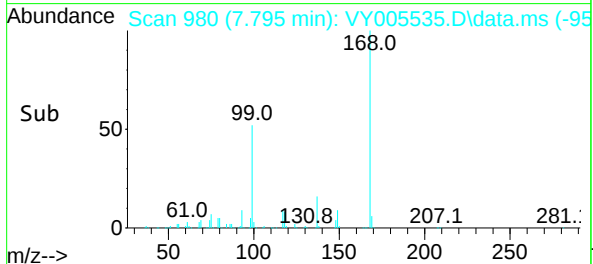
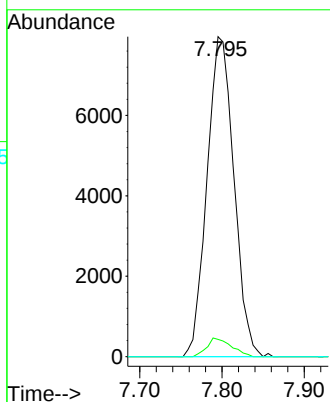
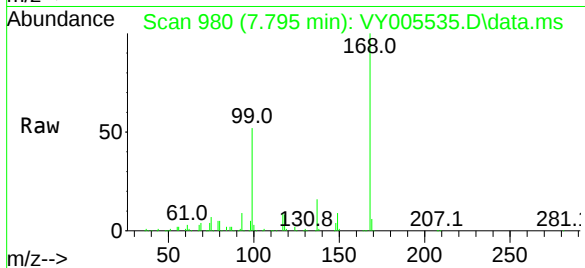
Delta R.T. -0.116 min

Lab File: VY005535.D

Acq: 04 Aug 2021 14:15

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:117 Resp: 18116  
Ion Ratio Lower Upper  
117 100  
119 5.4 75.4 113.0#  
121 0.0 25.1 37.7#



#50

Toluene-d8

Concen: 53.779 ug/l

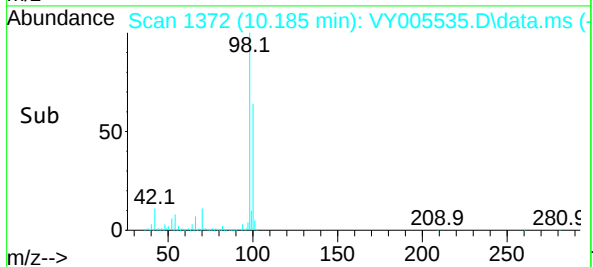
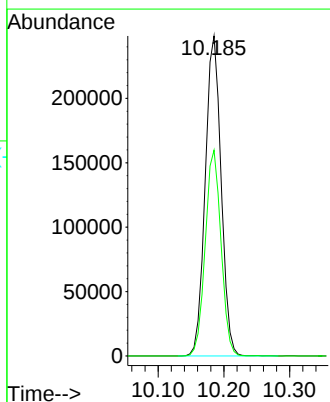
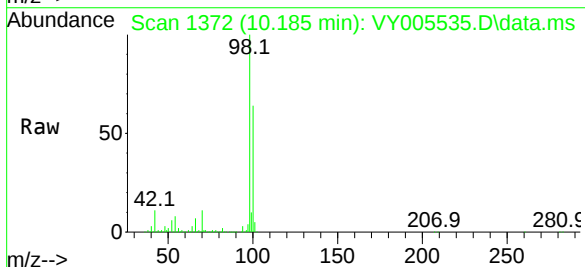
RT: 10.185 min Scan# 1372

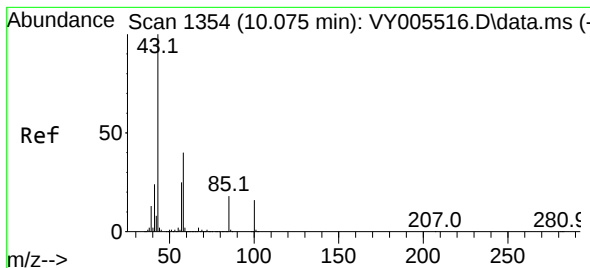
Delta R.T. -0.000 min

Lab File: VY005535.D

Acq: 04 Aug 2021 14:15

Tgt Ion: 98 Resp: 417004  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.3 76.9

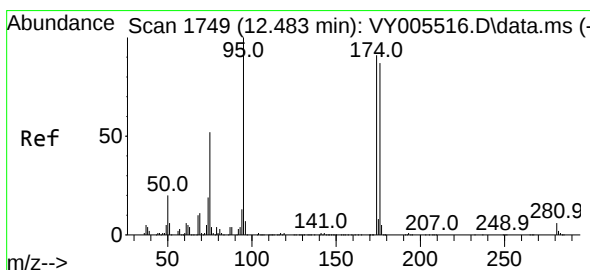
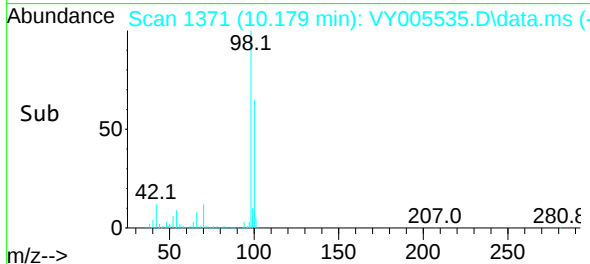
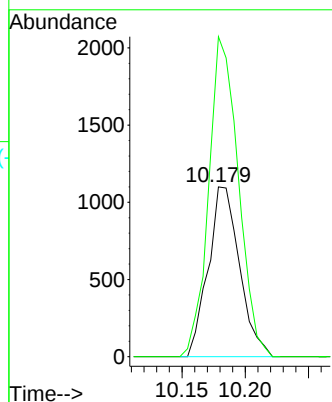
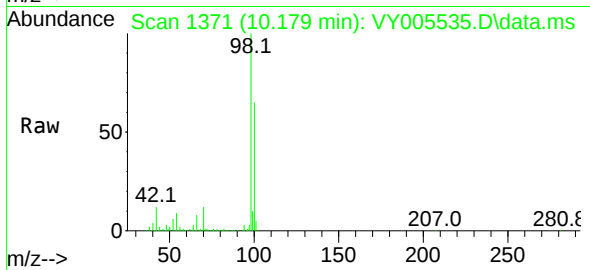




#51  
4-Methyl-2-Pentanone  
Concen: 1.011 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.104 min  
Lab File: VY005535.D  
Acq: 04 Aug 2021 14:15

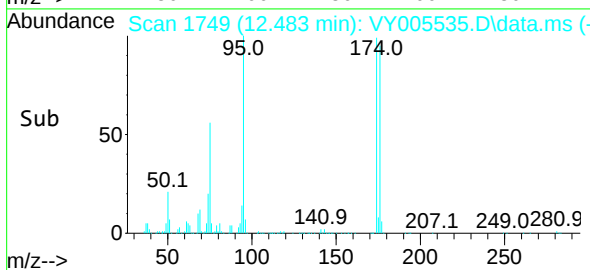
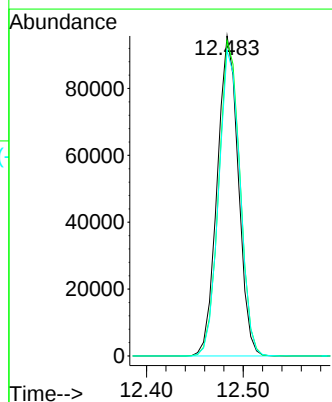
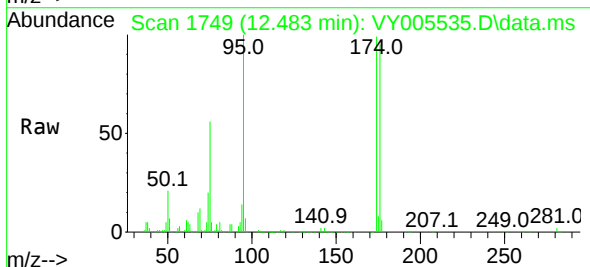
Instrument :  
MSVOA\_Y  
ClientSampled :

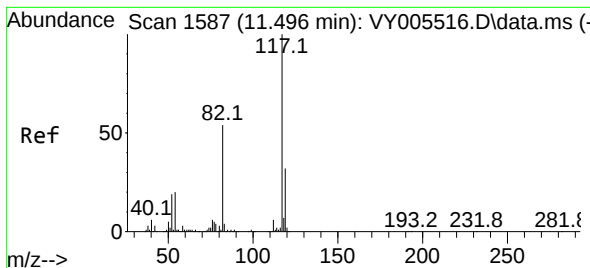
Tgt Ion: 43 Resp: 1892  
Ion Ratio Lower Upper  
43 100  
58 178.5 31.4 47.2#



#62  
4-Bromofluorobenzene  
Concen: 56.242 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005535.D  
Acq: 04 Aug 2021 14:15

Tgt Ion: 95 Resp: 144414  
Ion Ratio Lower Upper  
95 100  
174 98.8 0.0 191.4  
176 96.6 0.0 183.6

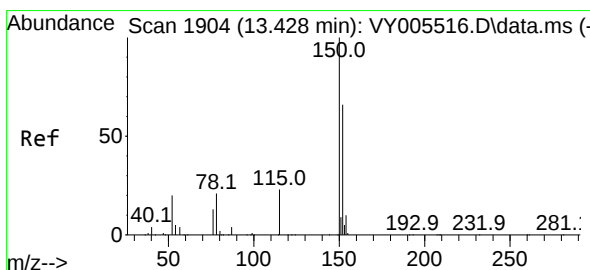
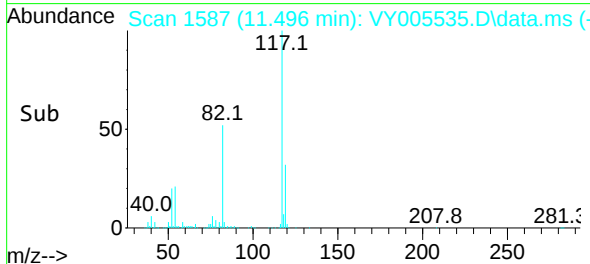
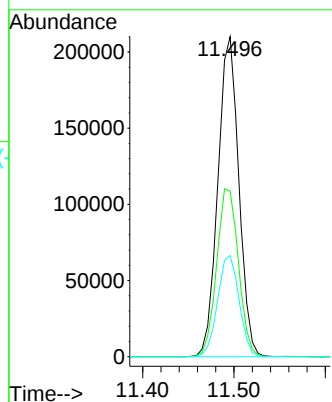
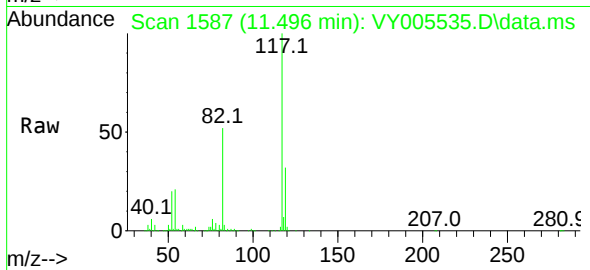




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY005535.D  
Acq: 04 Aug 2021 14:15

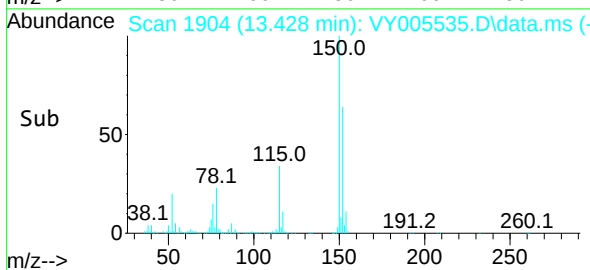
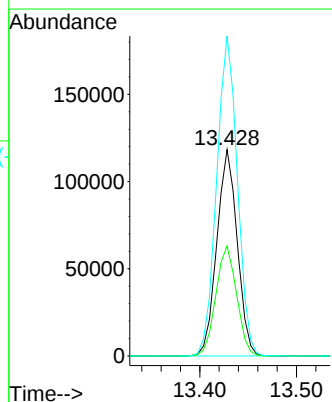
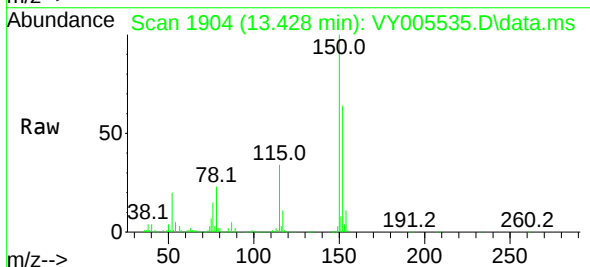
Instrument :  
MSVOA\_Y  
ClientSampleId :

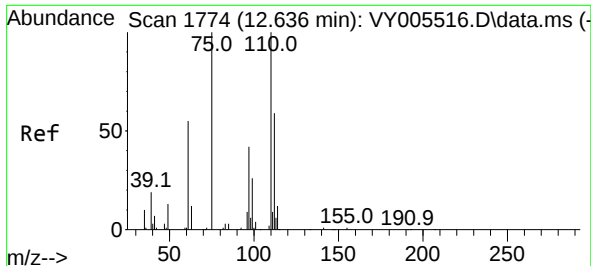
Tgt Ion:117 Resp: 334211  
Ion Ratio Lower Upper  
117 100  
82 51.7 43.5 65.3  
119 31.6 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY005535.D  
Acq: 04 Aug 2021 14:15

Tgt Ion:152 Resp: 173204  
Ion Ratio Lower Upper  
152 100  
115 54.2 27.3 81.9  
150 157.3 0.0 350.2

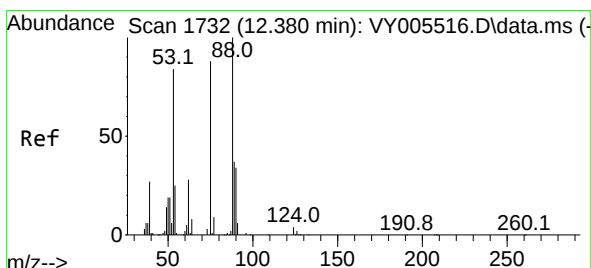
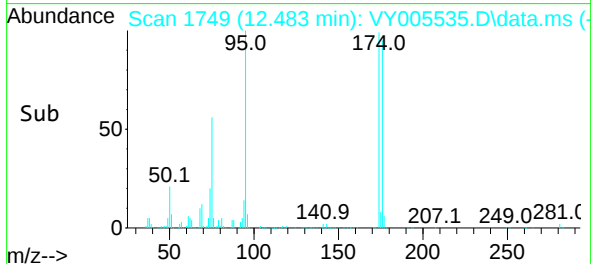
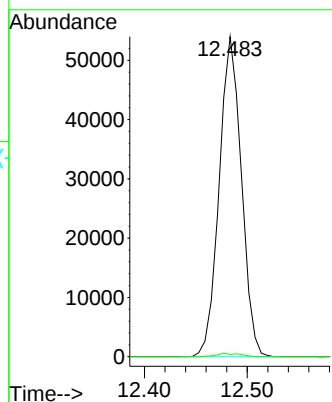
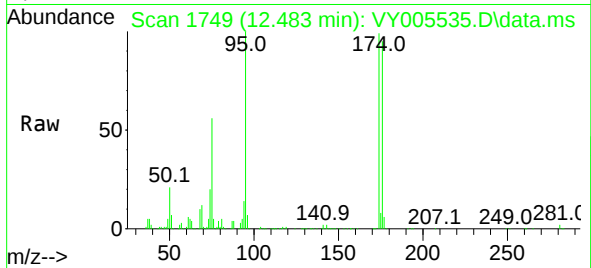




#76  
1,2,3-Trichloropropane  
Concen: 45.079 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY005535.D  
Acq: 04 Aug 2021 14:15

Instrument :  
MSVOA\_Y  
ClientSampled :

Tgt Ion: 75 Resp: 80912  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 90.873 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY005535.D  
Acq: 04 Aug 2021 14:15

Tgt Ion: 75 Resp: 80912  
Ion Ratio Lower Upper  
75 100  
53 0.0 76.7 115.1#  
89 0.0 38.4 57.6#

