

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081921\  
 Data File : VY005770.D  
 Acq On : 19 Aug 2021 15:35  
 Operator : SY/MD  
 Sample : M3414-09  
 Misc : 5.01G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Aug 20 06:56:54 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

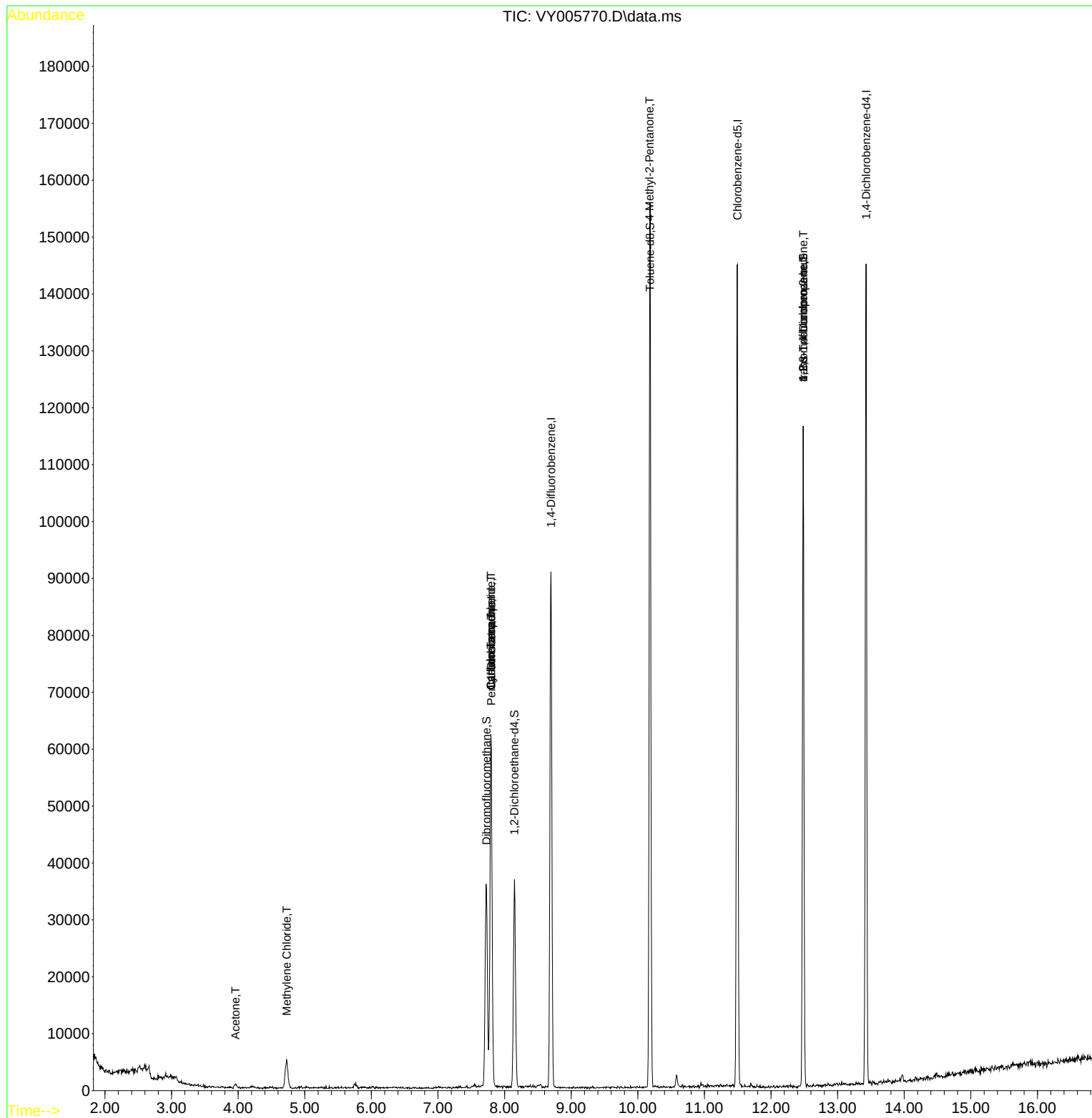
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.801  | 168   | 49469    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 77472    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496 | 117   | 78293    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 37810    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149  | 65    | 29036    | 57.985   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 115.980% |
| 35) Dibromofluoromethane      | 7.728  | 113   | 24513    | 56.515   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 113.020% |
| 50) Toluene-d8                | 10.185 | 98    | 100535   | 55.266   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery | =      | 110.540% |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 32020    | 53.154   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery | =      | 106.300% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Acetone                   | 3.960  | 43    | 1241     | 9.830    | ug/l # | 86       |
| 20) Methylene Chloride        | 4.729  | 84    | 3527     | 1.119    | ug/l # | 91       |
| 31) Cyclohexane               | 7.795  | 56    | 936      | 1.090    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 3538     | 4.869    | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 4429     | 5.608    | ug/l # | 18       |
| 51) 4-Methyl-2-Pentanone      | 10.179 | 43    | 529      | 1.205    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 17512    | 44.694   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 17512    | 90.097   | ug/l # | 11       |
| -----                         |        |       |          |          |        |          |

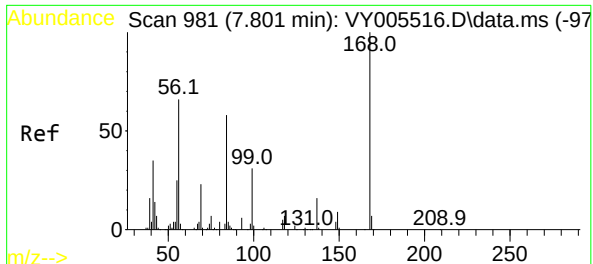
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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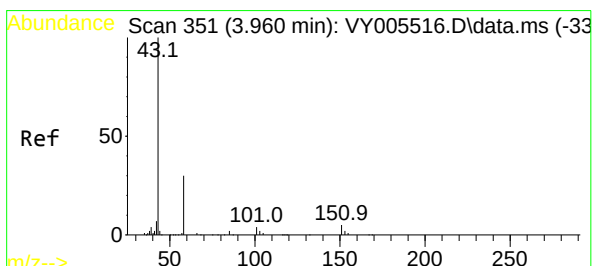
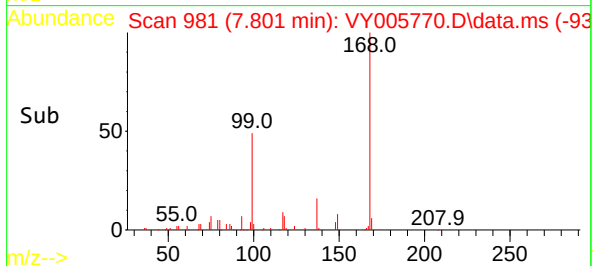
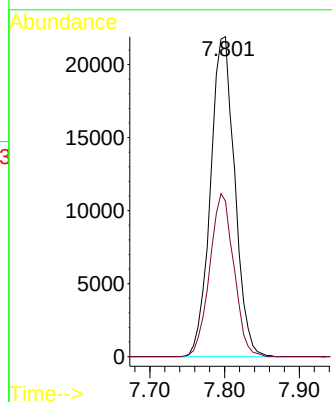
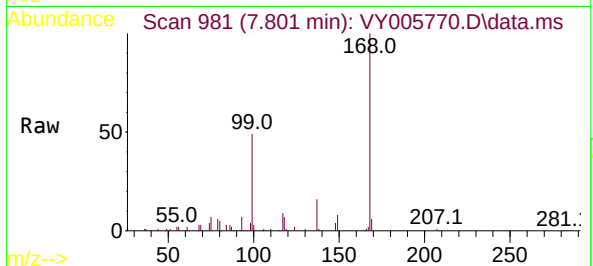




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY005770.D  
Acq: 19 Aug 2021 15:35

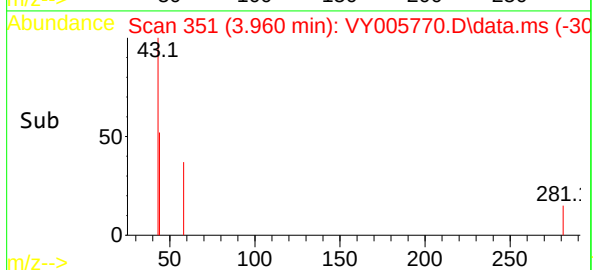
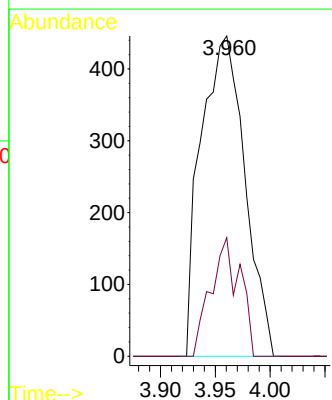
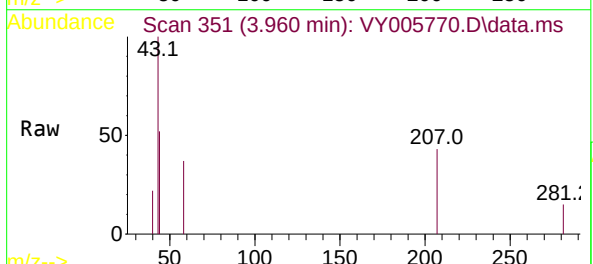
Instrument :  
MSVOA\_Y  
ClientSampled :

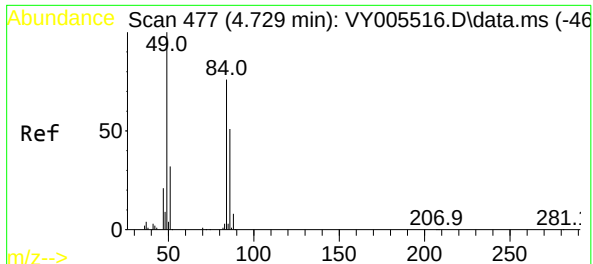
Tgt Ion:168 Resp: 49469  
Ion Ratio Lower Upper  
168 100  
99 48.6 38.9 58.3



#16  
Acetone  
Concen: 9.830 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. -0.000 min  
Lab File: VY005770.D  
Acq: 19 Aug 2021 15:35

Tgt Ion: 43 Resp: 1241  
Ion Ratio Lower Upper  
43 100  
58 37.0 23.8 35.6#



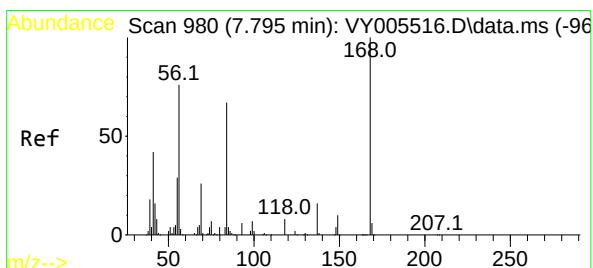
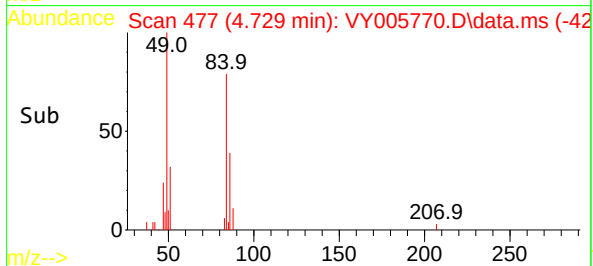
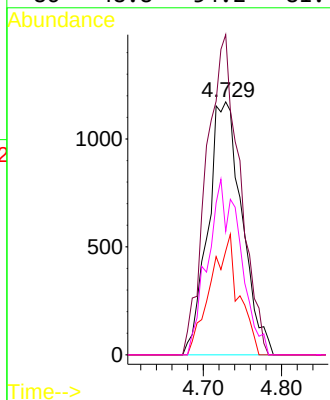
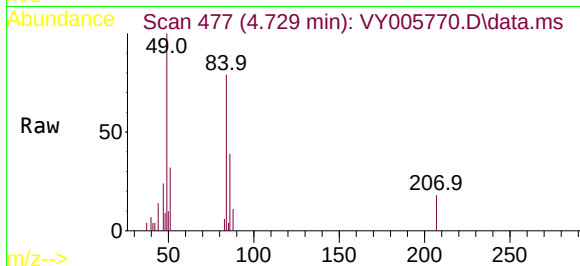


#20  
Methylene Chloride  
Concen: 1.119 ug/l  
RT: 4.729 min Scan# 477  
Delta R.T. -0.000 min  
Lab File: VY005770.D  
Acq: 19 Aug 2021 15:35

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 84 Resp: 3527

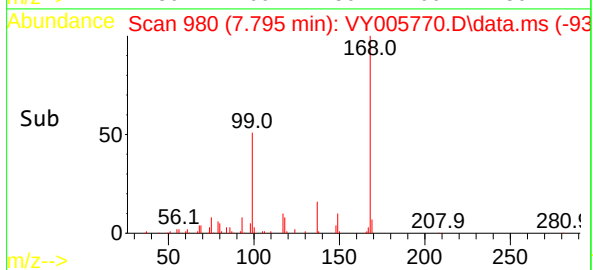
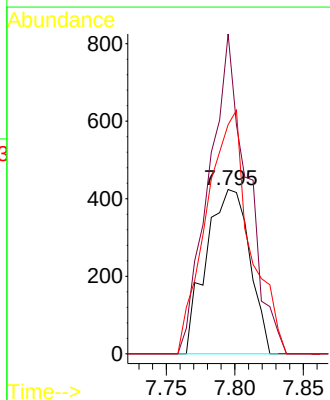
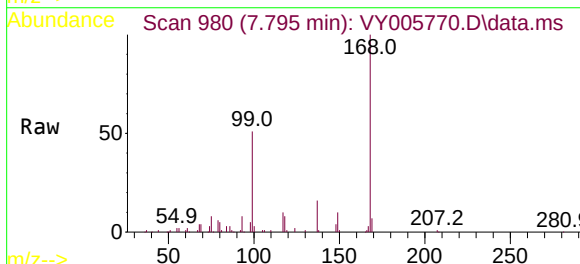
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 126.5 | 105.8 | 158.6 |
| 51  | 41.0  | 33.4  | 50.2  |
| 86  | 48.8  | 54.2  | 81.4  |

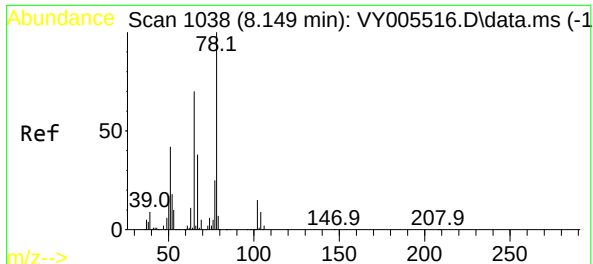


#31  
Cyclohexane  
Concen: 1.090 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.000 min  
Lab File: VY005770.D  
Acq: 19 Aug 2021 15:35

Tgt Ion: 56 Resp: 936

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 194.6 | 27.7  | 41.5  |
| 84  | 139.4 | 70.9  | 106.3 |

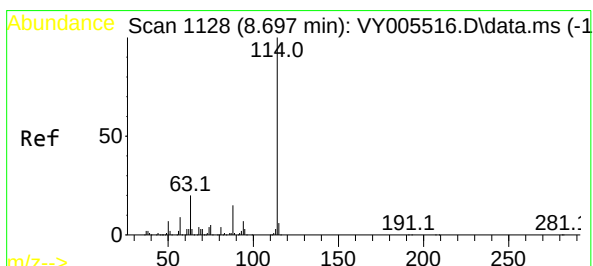
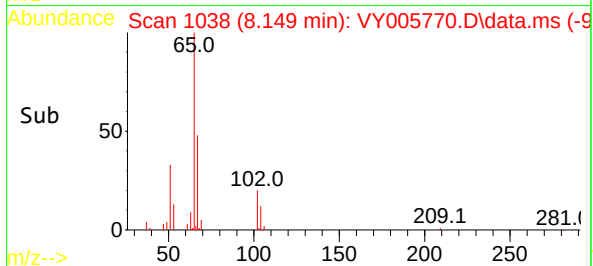
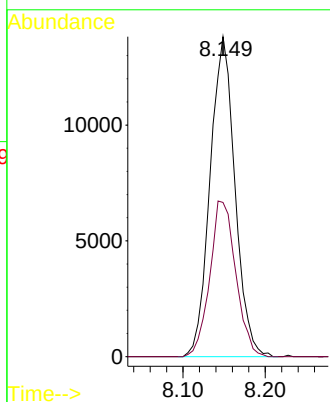
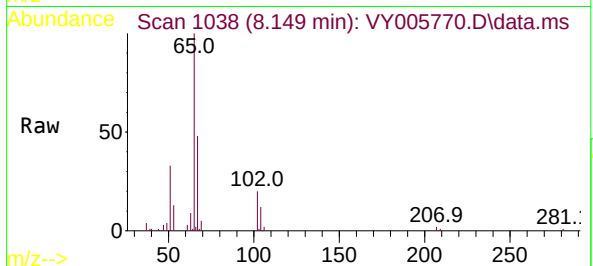




#33  
1,2-Dichloroethane-d4  
Concen: 57.985 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005770.D  
Acq: 19 Aug 2021 15:35

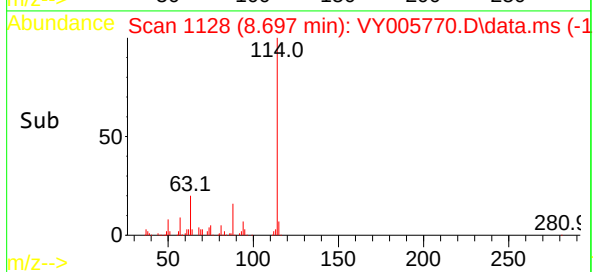
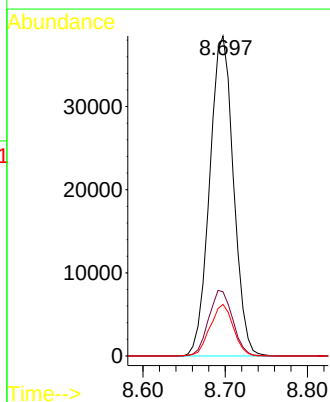
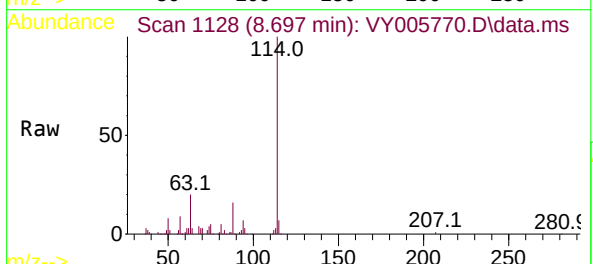
Instrument :  
MSVOA\_Y  
ClientSampleId :

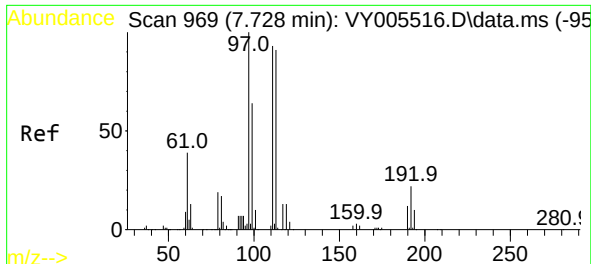
Tgt Ion: 65 Resp: 29036  
Ion Ratio Lower Upper  
65 100  
67 50.8 0.0 103.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005770.D  
Acq: 19 Aug 2021 15:35

Tgt Ion: 114 Resp: 77472  
Ion Ratio Lower Upper  
114 100  
63 20.1 0.0 39.2  
88 16.1 0.0 30.8

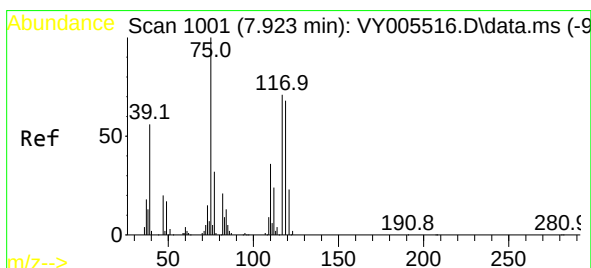
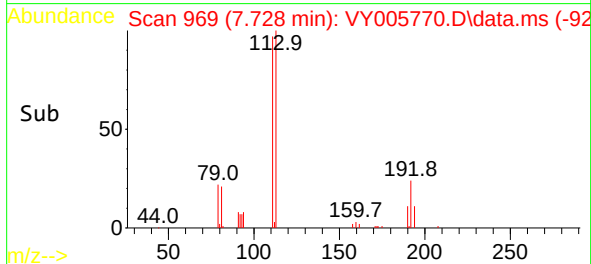
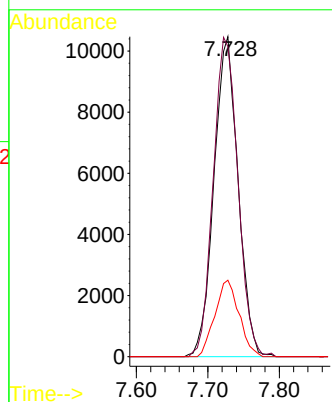
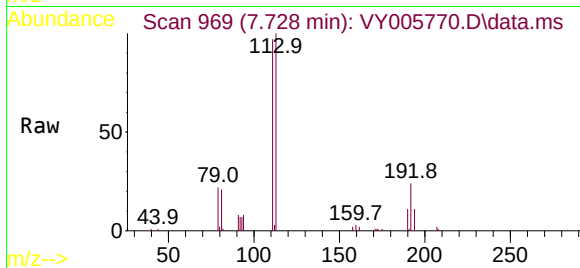




#35  
Dibromofluoromethane  
Concen: 56.515 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY005770.D  
Acq: 19 Aug 2021 15:35

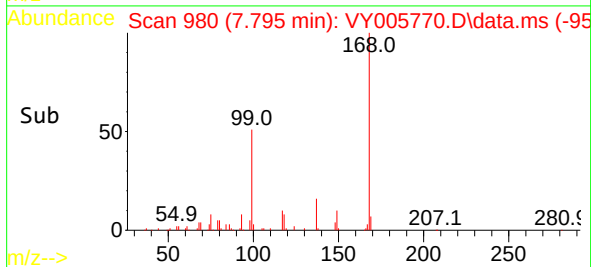
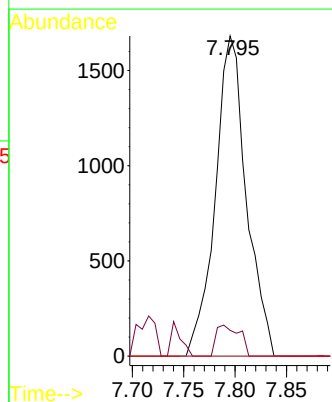
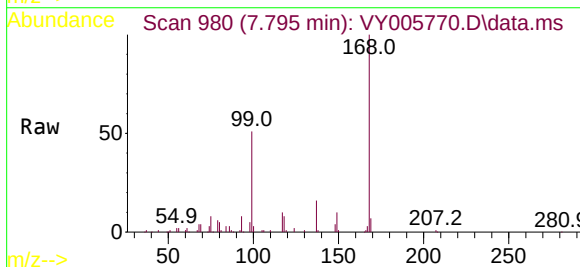
Instrument :  
MSVOA\_Y  
ClientSampleId :

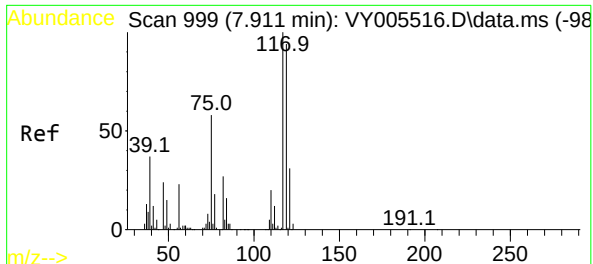
Tgt Ion:113 Resp: 24513  
Ion Ratio Lower Upper  
113 100  
111 102.1 81.9 122.9  
192 23.9 19.2 28.8



#36  
1,1-Dichloropropene  
Concen: 4.869 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.128 min  
Lab File: VY005770.D  
Acq: 19 Aug 2021 15:35

Tgt Ion: 75 Resp: 3538  
Ion Ratio Lower Upper  
75 100  
110 7.2 18.1 54.1#  
77 0.0 25.1 37.7#

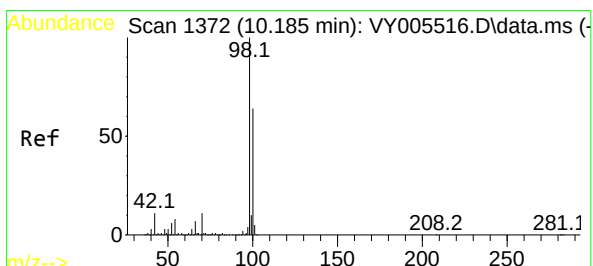
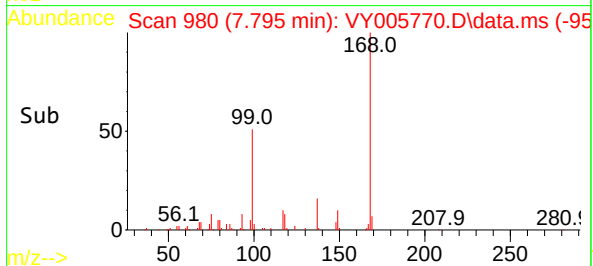
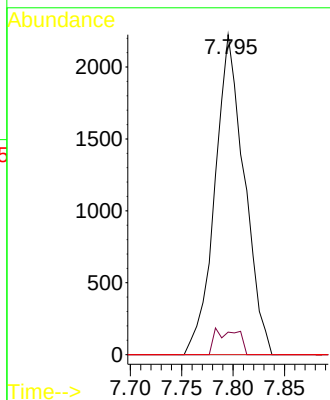
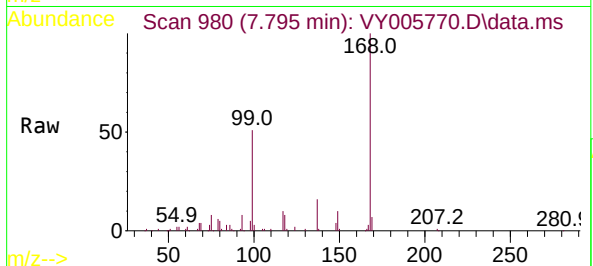




#38  
Carbon Tetrachloride  
Concen: 5.608 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.116 min  
Lab File: VY005770.D  
Acq: 19 Aug 2021 15:35

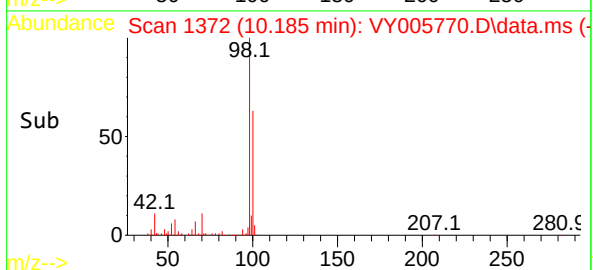
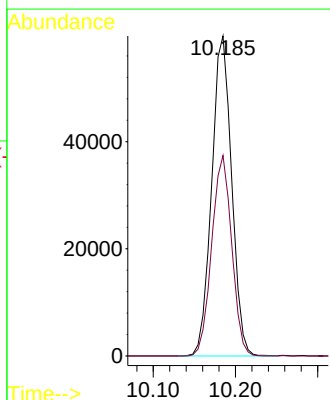
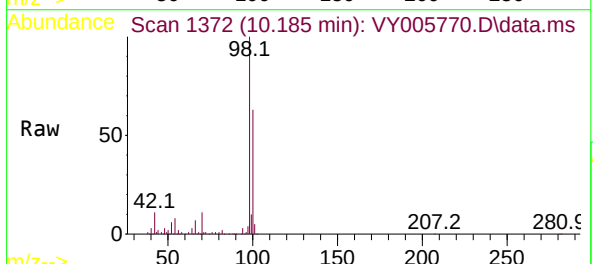
Instrument :  
MSVOA\_Y  
ClientSampled :

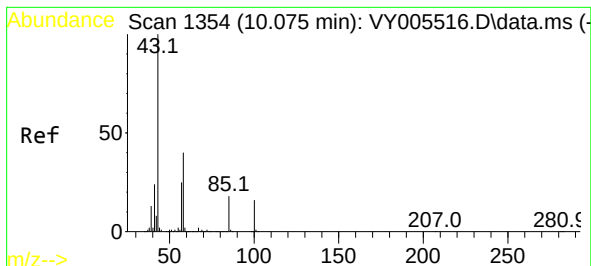
Tgt Ion:117 Resp: 4429  
Ion Ratio Lower Upper  
117 100  
119 7.1 75.4 113.0#  
121 0.0 25.1 37.7#



#50  
Toluene-d8  
Concen: 55.266 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005770.D  
Acq: 19 Aug 2021 15:35

Tgt Ion: 98 Resp: 100535  
Ion Ratio Lower Upper  
98 100  
100 62.7 51.3 76.9

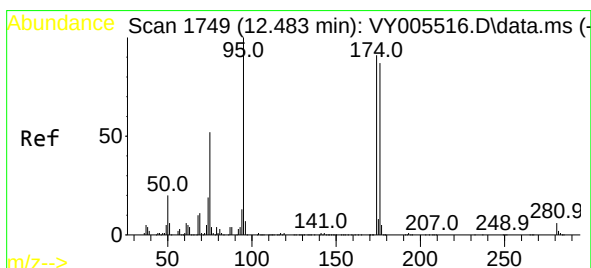
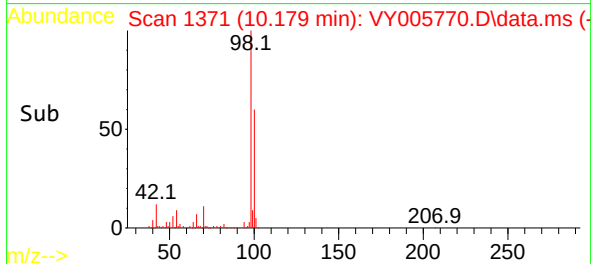
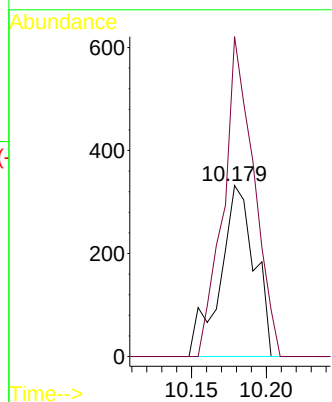
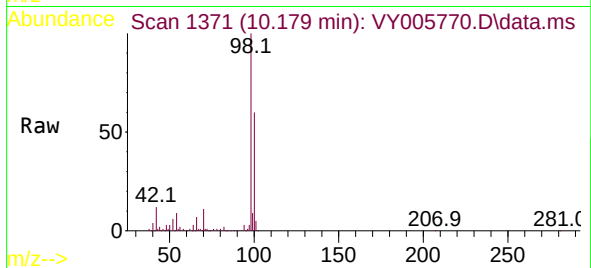




#51  
4-Methyl-2-Pentanone  
Concen: 1.205 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.104 min  
Lab File: VY005770.D  
Acq: 19 Aug 2021 15:35

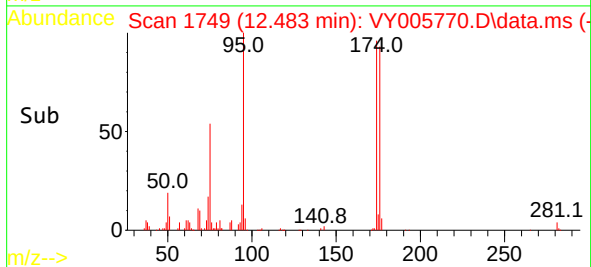
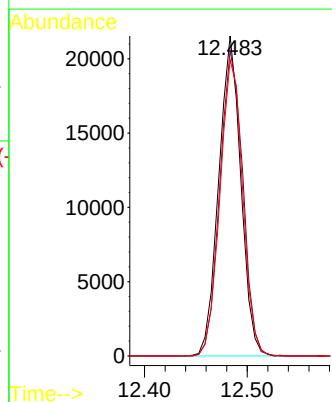
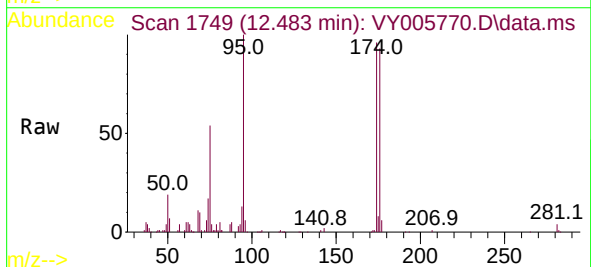
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 43 Resp: 529  
Ion Ratio Lower Upper  
43 100  
58 166.2 31.4 47.2#

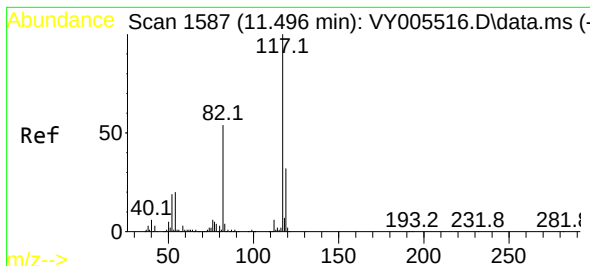


#62  
4-Bromofluorobenzene  
Concen: 53.154 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005770.D  
Acq: 19 Aug 2021 15:35

Tgt Ion: 95 Resp: 32020  
Ion Ratio Lower Upper  
95 100  
174 99.4 0.0 191.4  
176 95.2 0.0 183.6



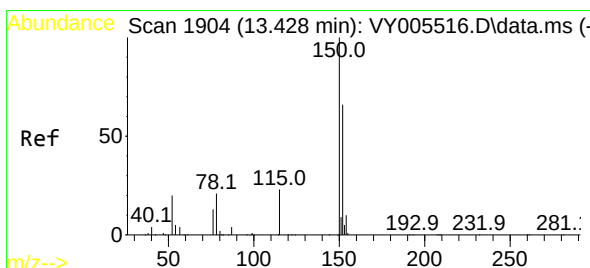
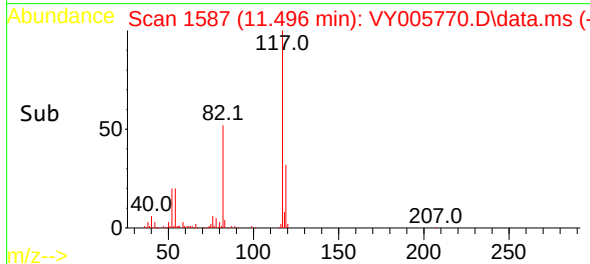
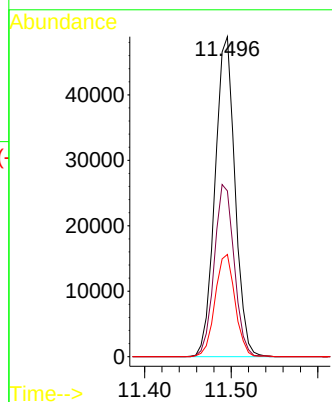
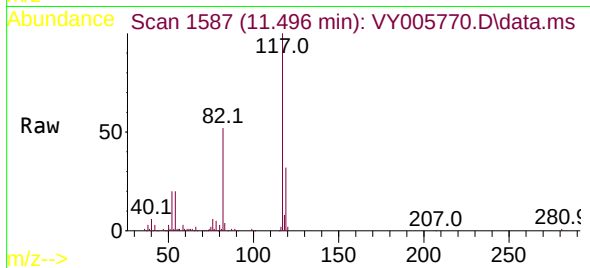




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY005770.D  
Acq: 19 Aug 2021 15:35

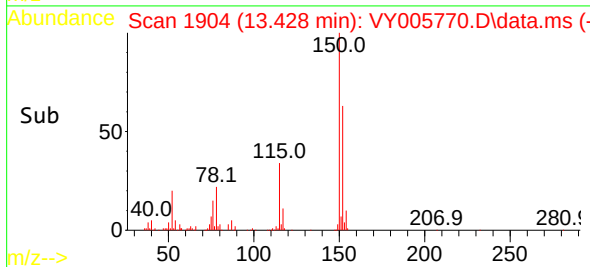
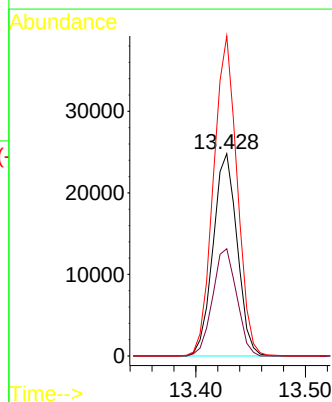
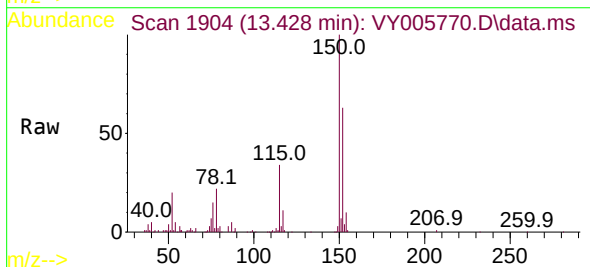
Instrument :  
MSVOA\_Y  
ClientSampled :

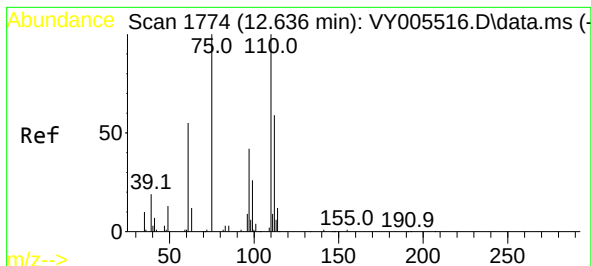
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 78293 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 82        | 51.8  | 43.5  | 65.3  |
| 119       | 32.0  | 25.5  | 38.3  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY005770.D  
Acq: 19 Aug 2021 15:35

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 37810 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 53.1  | 27.3  | 81.9  |
| 150       | 155.4 | 0.0   | 350.2 |

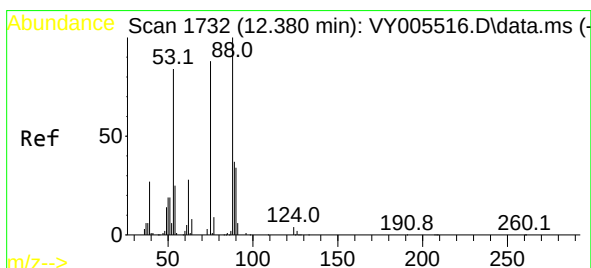
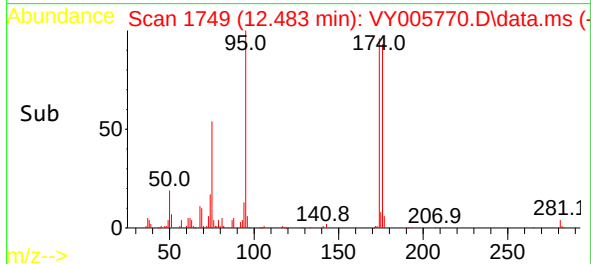
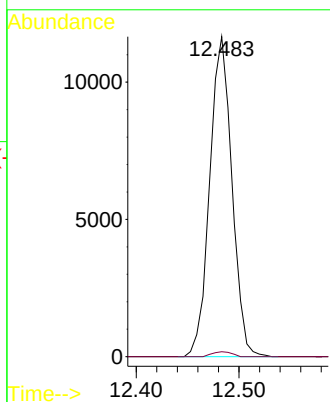
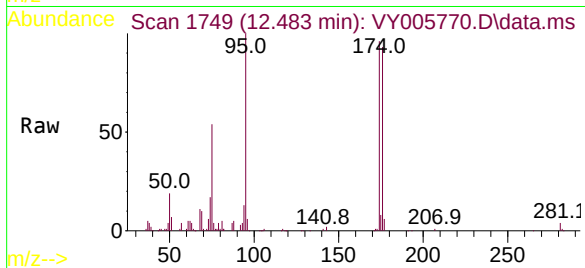




#76  
1,2,3-Trichloropropane  
Concen: 44.694 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY005770.D  
Acq: 19 Aug 2021 15:35

Instrument :  
MSVOA\_Y  
ClientSampled :

Tgt Ion: 75 Resp: 17512  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 90.097 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY005770.D  
Acq: 19 Aug 2021 15:35

Tgt Ion: 75 Resp: 17512  
Ion Ratio Lower Upper  
75 100  
53 0.0 76.7 115.1#  
89 0.0 38.4 57.6#

