

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042021\  
 Data File : VY004521.D  
 Acq On : 20 Apr 2021 12:15  
 Operator : SY/MD  
 Sample : M2076-19  
 Misc : 5.02G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Apr 21 08:49:34 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 13 03:38:02 2021  
 Response via : Initial Calibration

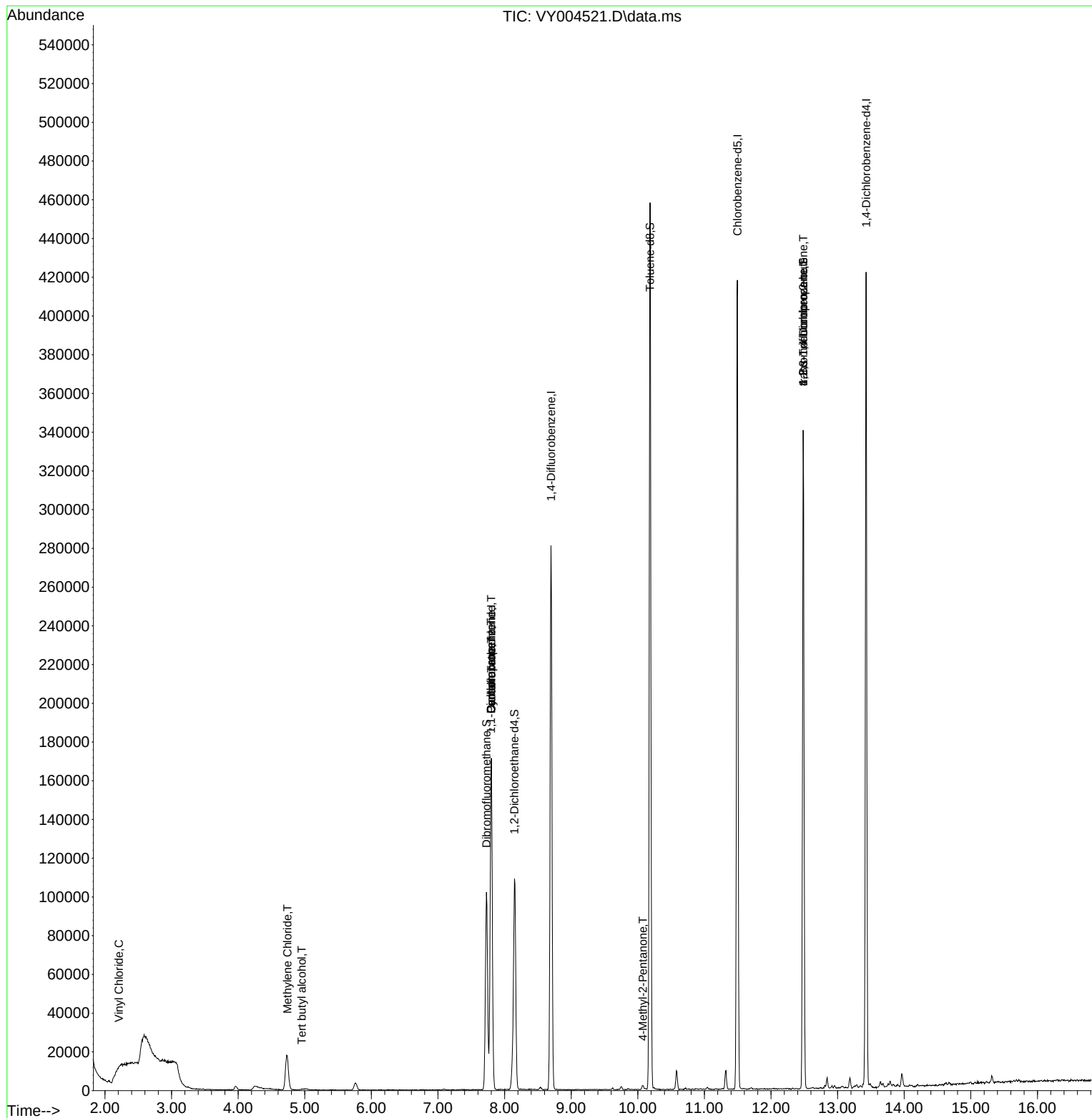
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.801  | 168   | 128266   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 227263   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496 | 117   | 214672   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 96344    | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149  | 65    | 81309    | 57.05    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 114.10%  |
| 35) Dibromofluoromethane      | 7.728  | 113   | 69102    | 54.79    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 109.58%  |
| 50) Toluene-d8                | 10.185 | 98    | 278490   | 51.91    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery | =      | 103.82%  |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 93173    | 51.18    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery | =      | 102.36%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 4) Vinyl Chloride             | 2.211  | 62    | 6259     | 3.45     | ug/l # | 43       |
| 11) Tert butyl alcohol        | 4.954  | 59    | 679      | 4.83     | ug/l # | 73       |
| 16) Acetone                   | 3.960  | 43    | 3691     | Below    | Cal    | 93       |
| 20) Methylene Chloride        | 4.741  | 84    | 12915    | 9.38     | ug/l   | 92       |
| 31) Cyclohexane               | 7.801  | 56    | 3240     | 1.24     | ug/l # | 8        |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 10493    | 4.65     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.801  | 117   | 12998    | 6.66     | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.075 | 43    | 1566     | 1.11     | ug/l   | 93       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 53233    | 51.48    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 53233    | 92.09    | ug/l # | 12       |
| -----                         |        |       |          |          |        |          |

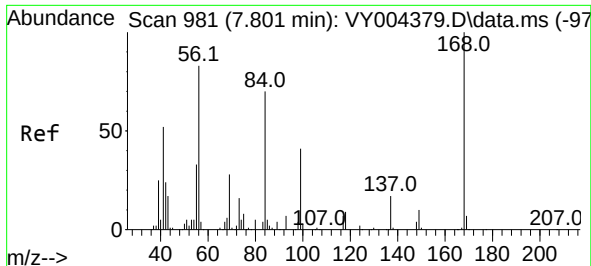
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042021\  
Data File : VY004521.D  
Acq On : 20 Apr 2021 12:15  
Operator : SY/MD  
Sample : M2076-19  
Misc : 5.02G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

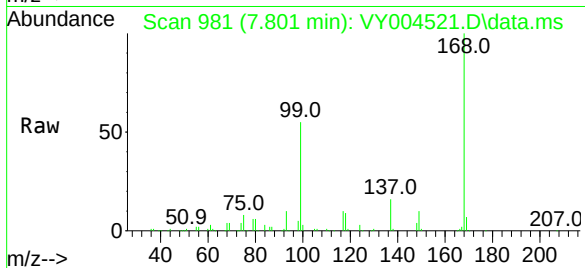
Quant Time: Apr 21 08:49:34 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 13 03:38:02 2021  
Response via : Initial Calibration



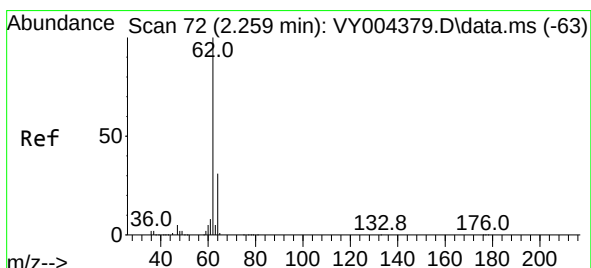
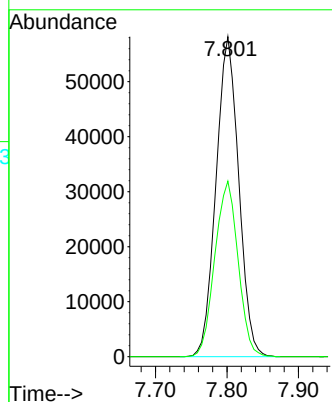
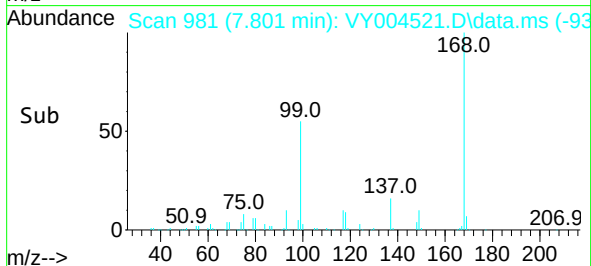


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY004521.D  
Acq: 20 Apr 2021 12:15

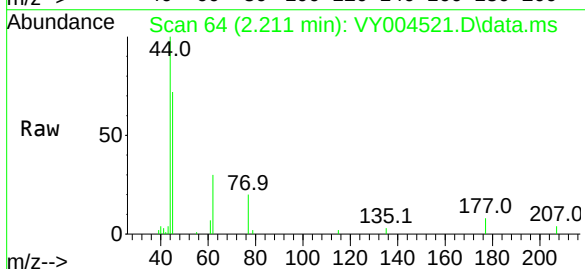
Instrument :  
MSVOA\_Y  
ClientSampleId :



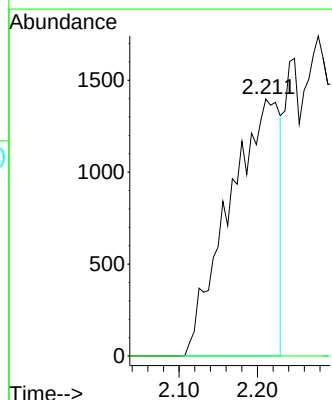
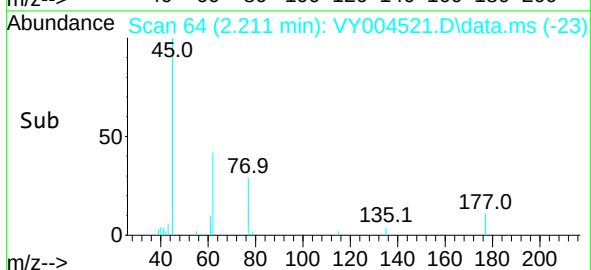
Tgt Ion:168 Resp: 128266  
Ion Ratio Lower Upper  
168 100  
99 54.9 45.5 68.3

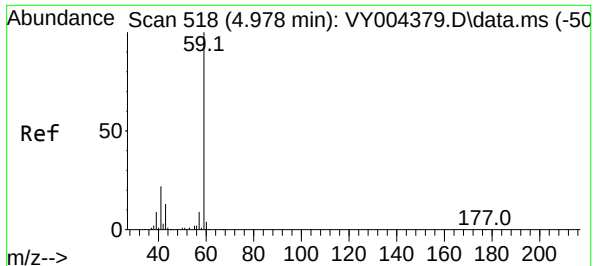


#4  
Vinyl Chloride  
Concen: 3.45 ug/l  
RT: 2.211 min Scan# 64  
Delta R.T. -0.048 min  
Lab File: VY004521.D  
Acq: 20 Apr 2021 12:15



Tgt Ion: 62 Resp: 6259  
Ion Ratio Lower Upper  
62 100  
64 0.0 25.1 37.7#



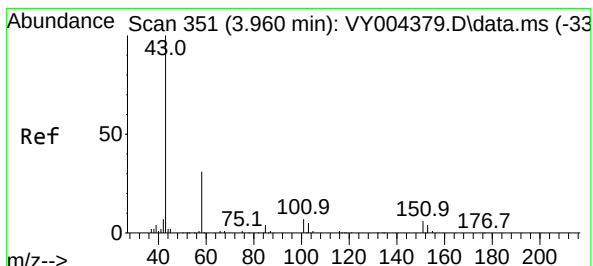
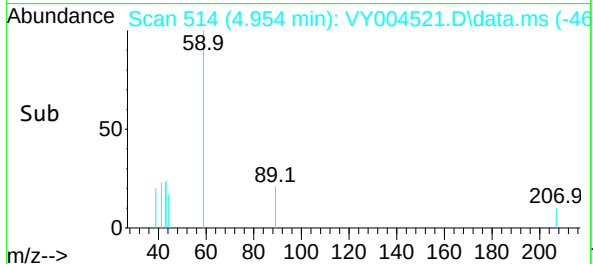
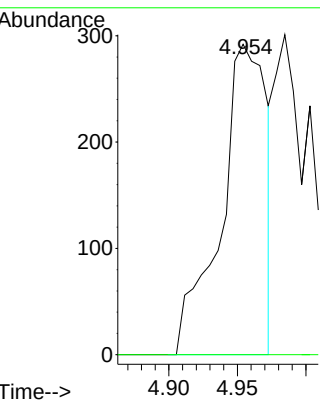
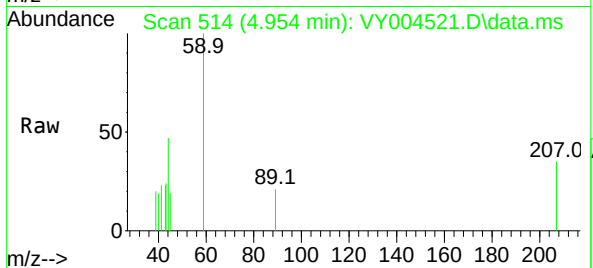


#11

Tert butyl alcohol  
Concen: 4.83 ug/l  
RT: 4.954 min Scan# 514  
Delta R.T. -0.024 min  
Lab File: VY004521.D  
Acq: 20 Apr 2021 12:15

Instrument :  
MSVOA\_Y  
ClientSampled :

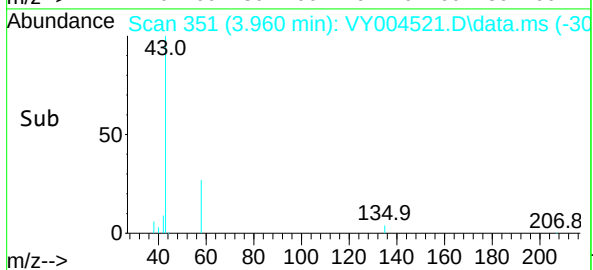
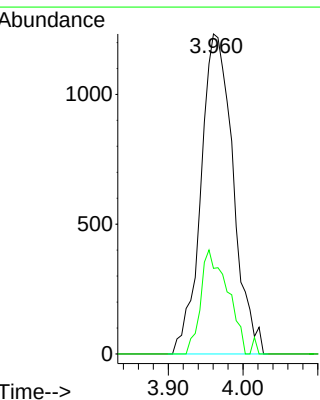
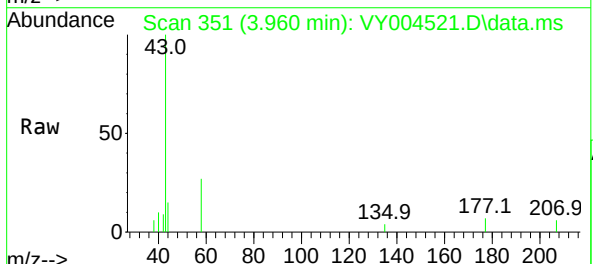
Tgt Ion: 59 Resp: 679  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.1 12.1#

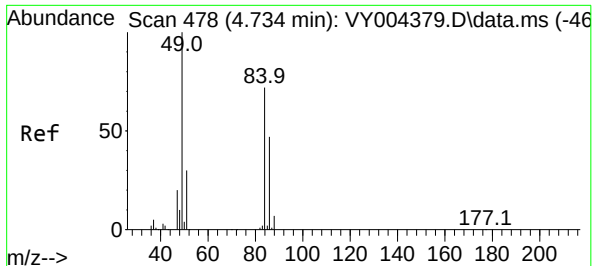


#16

Acetone  
Concen: Below Cal  
RT: 3.960 min Scan# 351  
Delta R.T. 0.000 min  
Lab File: VY004521.D  
Acq: 20 Apr 2021 12:15

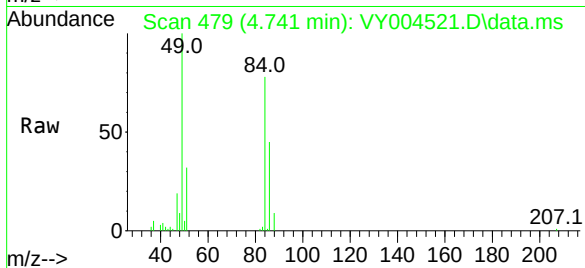
Tgt Ion: 43 Resp: 3691  
Ion Ratio Lower Upper  
43 100  
58 26.8 24.6 37.0





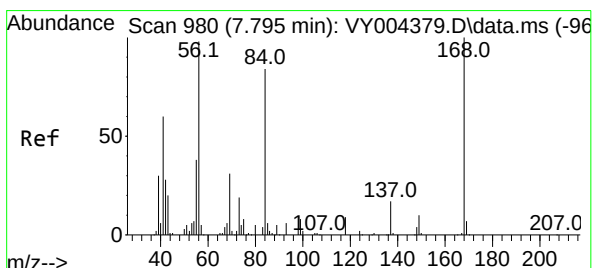
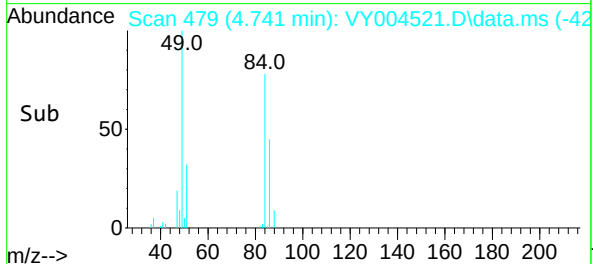
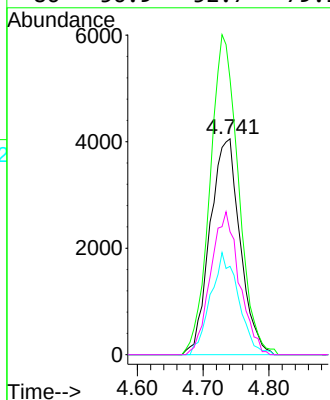
#20  
Methylene Chloride  
Concen: 9.38 ug/l  
RT: 4.741 min Scan# 479  
Delta R.T. 0.006 min  
Lab File: VY004521.D  
Acq: 20 Apr 2021 12:15

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 84 Resp: 12915

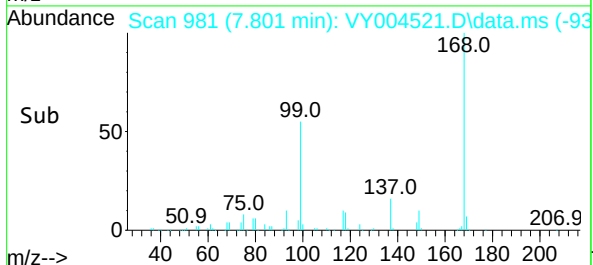
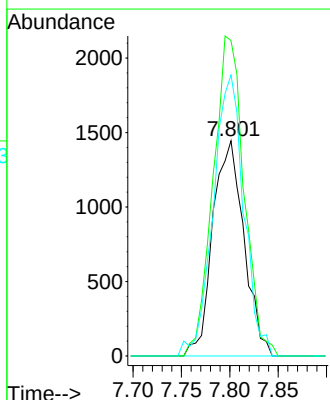
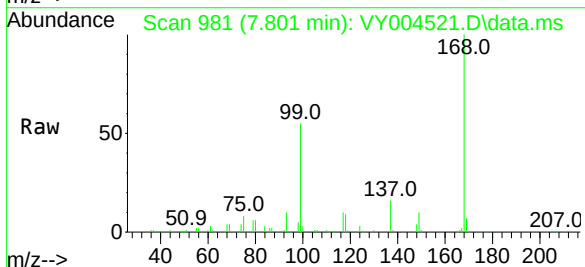
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 127.8 | 111.2 | 166.8 |
| 51  | 41.0  | 33.4  | 50.2  |
| 86  | 56.9  | 52.7  | 79.1  |

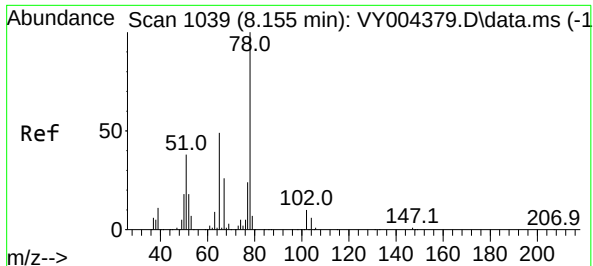


#31  
Cyclohexane  
Concen: 1.24 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY004521.D  
Acq: 20 Apr 2021 12:15

Tgt Ion: 56 Resp: 3240

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 146.5 | 25.8  | 38.6#  |
| 84  | 130.5 | 68.2  | 102.4# |

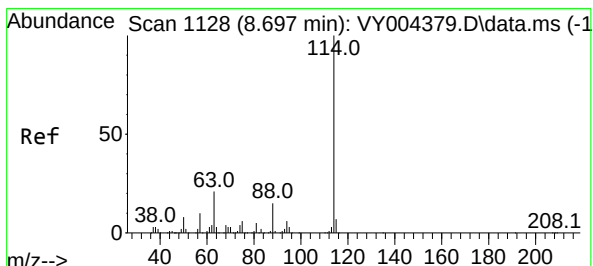
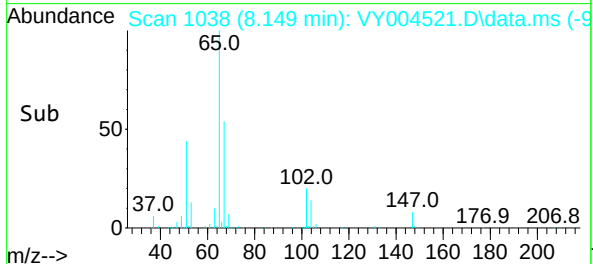
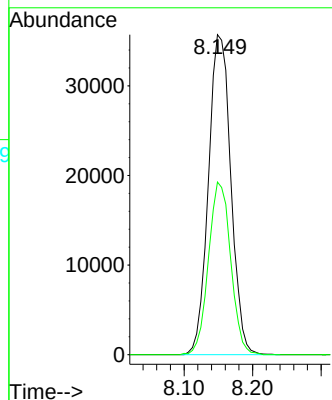
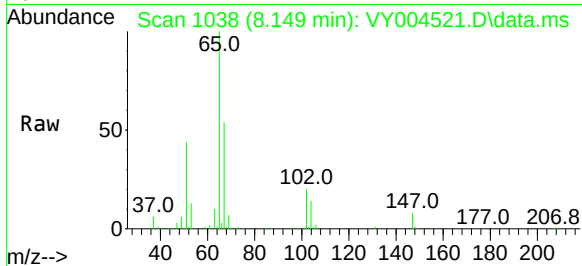




#33  
1,2-Dichloroethane-d4  
Concen: 57.05 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY004521.D  
Acq: 20 Apr 2021 12:15

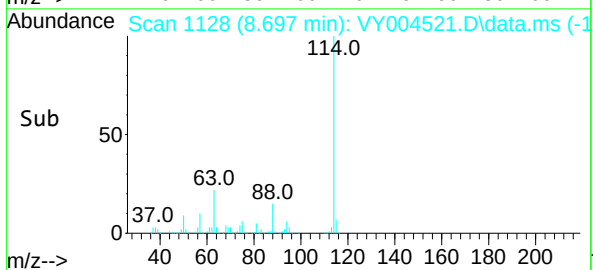
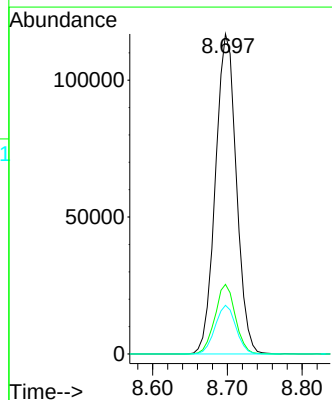
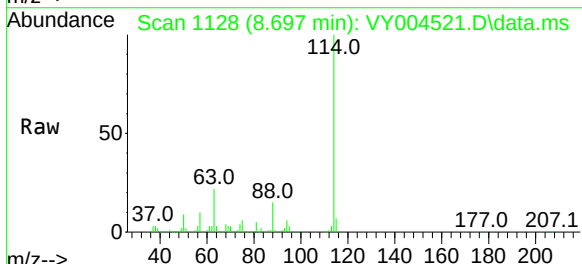
Instrument :  
MSVOA\_Y  
ClientSampleId :

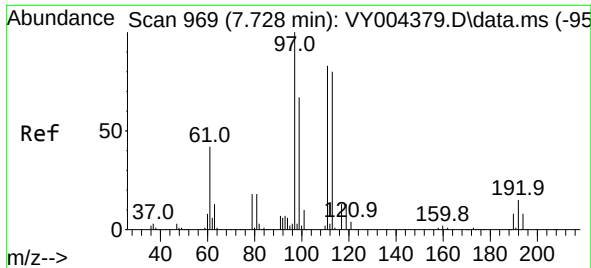
Tgt Ion: 65 Resp: 81309  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 106.4



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY004521.D  
Acq: 20 Apr 2021 12:15

Tgt Ion:114 Resp: 227263  
Ion Ratio Lower Upper  
114 100  
63 21.7 0.0 42.4  
88 15.2 0.0 30.8

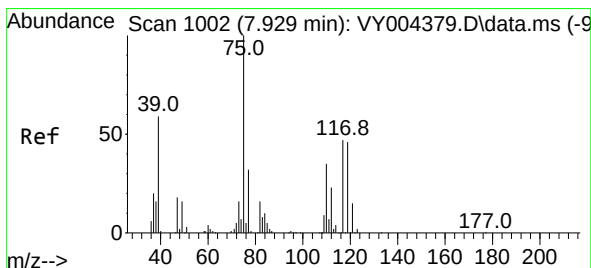
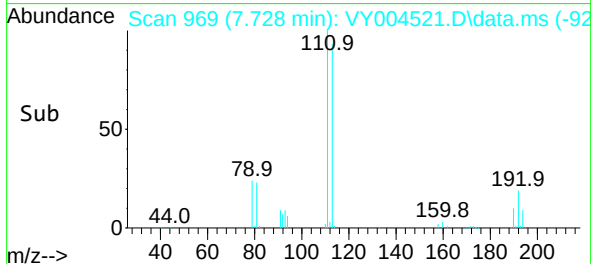
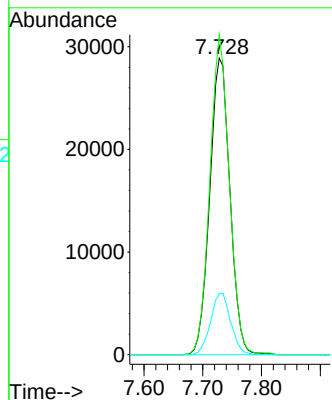
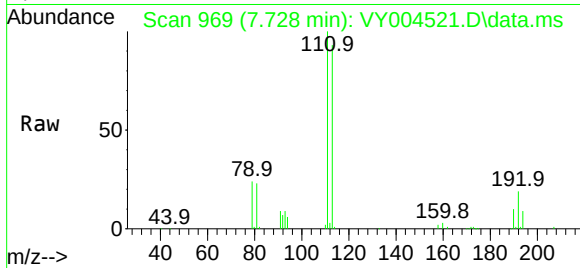




#35  
Dibromofluoromethane  
Concen: 54.79 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.000 min  
Lab File: VY004521.D  
Acq: 20 Apr 2021 12:15

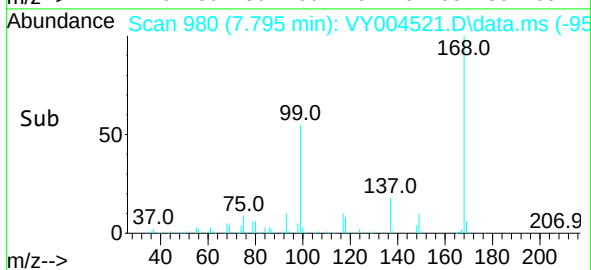
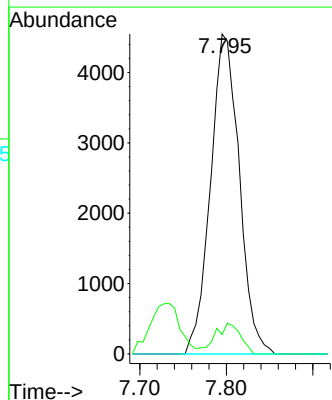
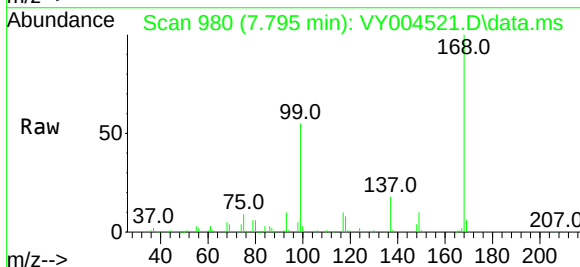
Instrument :  
MSVOA\_Y  
ClientSampleId :

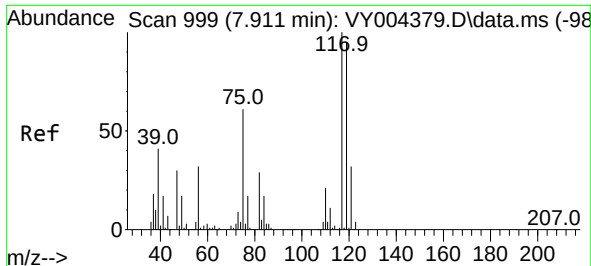
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 69102 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.6 | 82.6  | 123.8 |
| 192      | 20.5  | 16.1  | 24.1  |



#36  
1,1-Dichloropropene  
Concen: 4.65 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.134 min  
Lab File: VY004521.D  
Acq: 20 Apr 2021 12:15

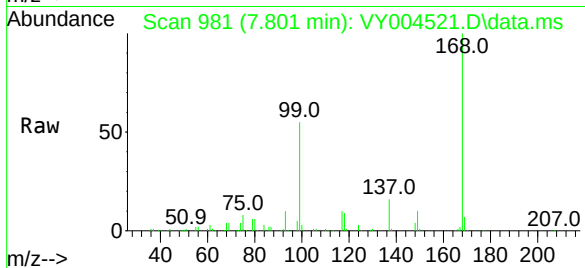
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 10493 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 8.3   | 17.3  | 51.7# |
| 77       | 0.0   | 24.3  | 36.5# |



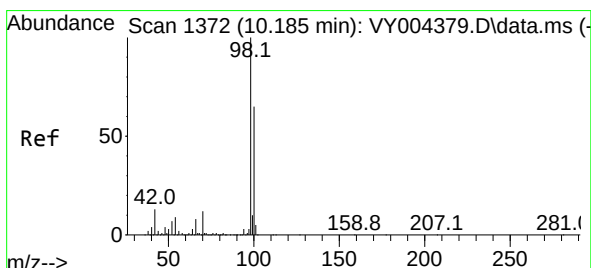
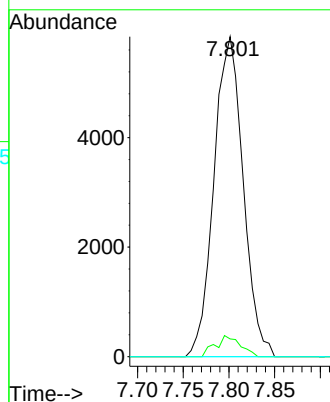
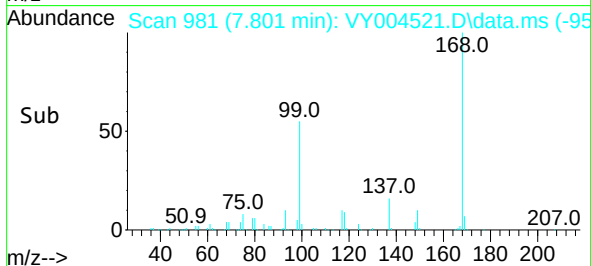


#38  
Carbon Tetrachloride  
Concen: 6.66 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.109 min  
Lab File: VY004521.D  
Acq: 20 Apr 2021 12:15

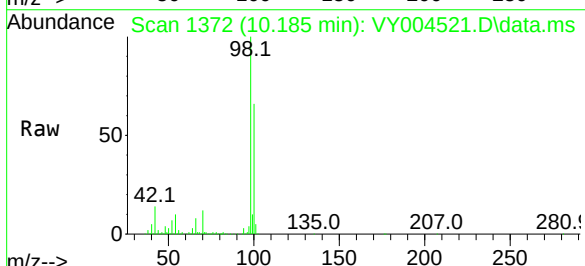
Instrument :  
MSVOA\_Y  
ClientSampleId :



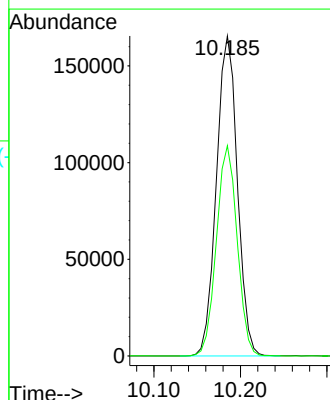
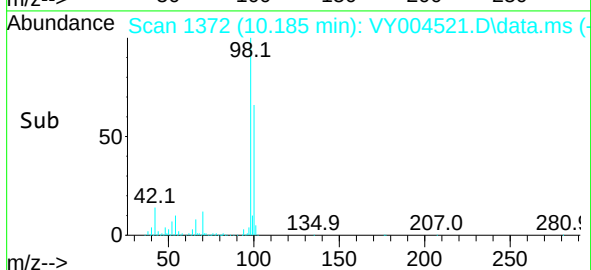
Tgt Ion:117 Resp: 12998  
Ion Ratio Lower Upper  
117 100  
119 5.6 75.8 113.8#  
121 0.0 25.3 37.9#



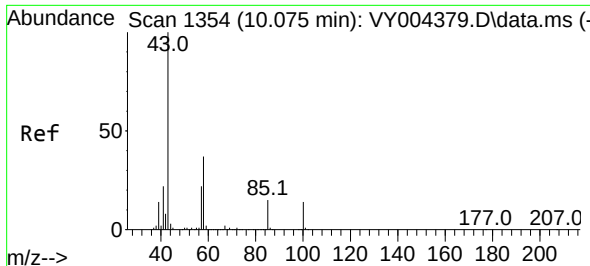
#50  
Toluene-d8  
Concen: 51.91 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY004521.D  
Acq: 20 Apr 2021 12:15



Tgt Ion: 98 Resp: 278490  
Ion Ratio Lower Upper  
98 100  
100 65.1 51.8 77.6



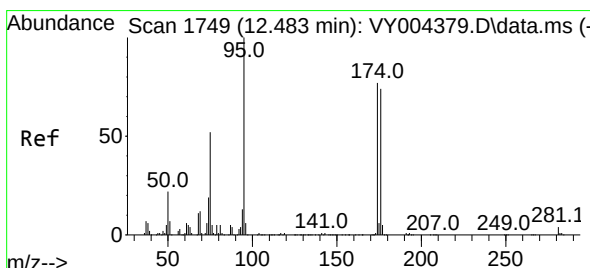
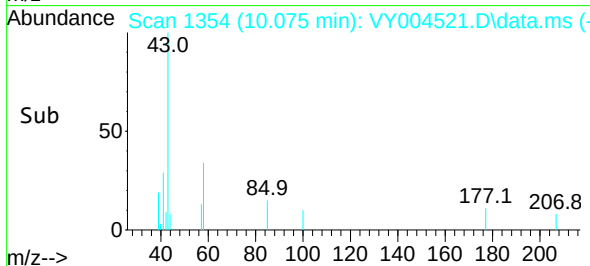
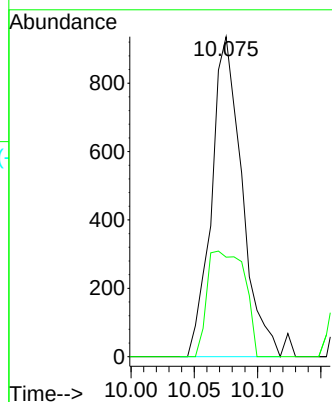
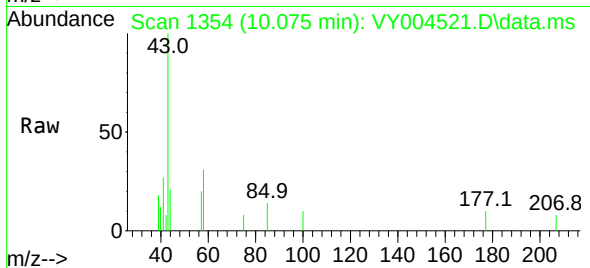




#51  
4-Methyl-2-Pentanone  
Concen: 1.11 ug/l  
RT: 10.075 min Scan# 1354  
Delta R.T. 0.000 min  
Lab File: VY004521.D  
Acq: 20 Apr 2021 12:15

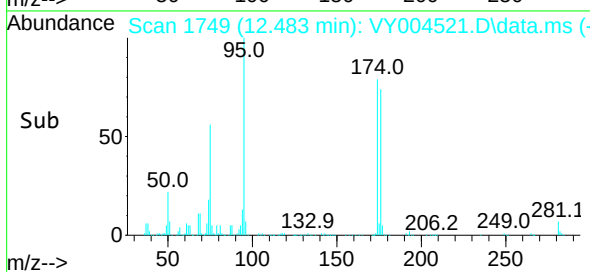
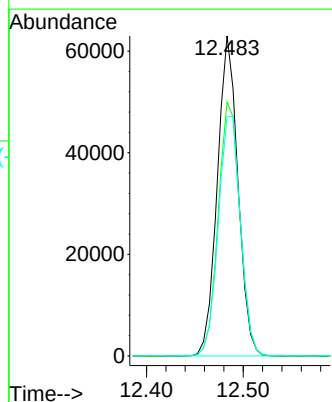
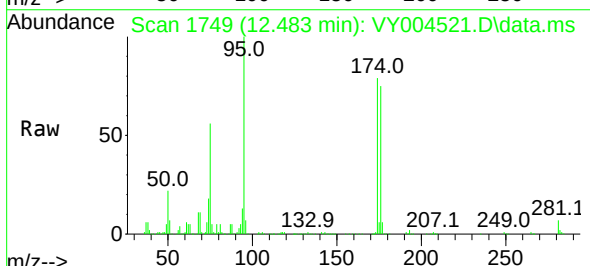
Instrument :  
MSVOA\_Y  
ClientSampled :

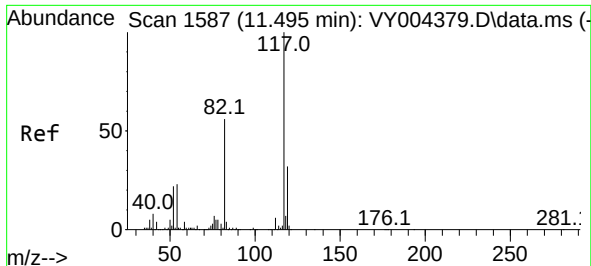
Tgt Ion: 43 Resp: 1566  
Ion Ratio Lower Upper  
43 100  
58 40.5 29.2 43.8



#62  
4-Bromofluorobenzene  
Concen: 51.18 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY004521.D  
Acq: 20 Apr 2021 12:15

Tgt Ion: 95 Resp: 93173  
Ion Ratio Lower Upper  
95 100  
174 83.2 0.0 162.4  
176 81.2 0.0 156.0

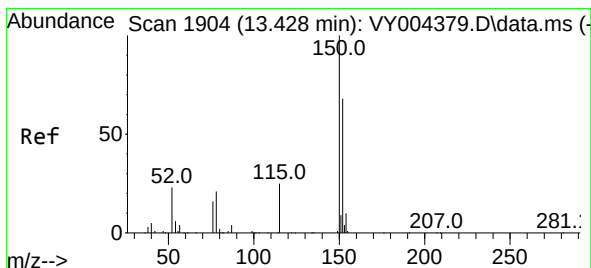
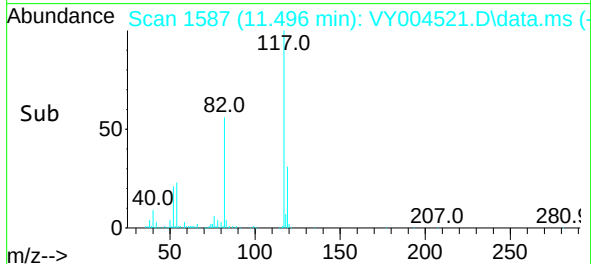
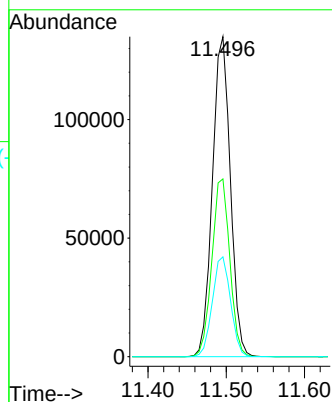
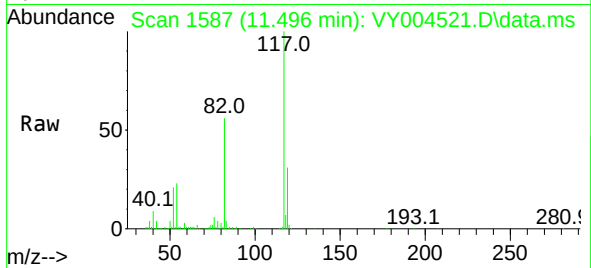




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY004521.D  
Acq: 20 Apr 2021 12:15

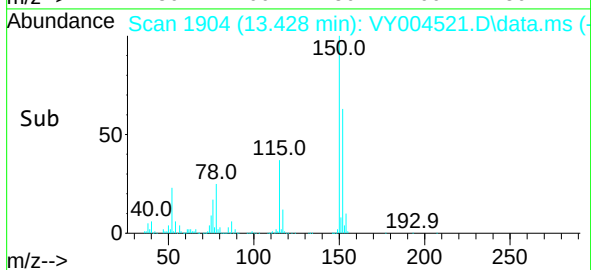
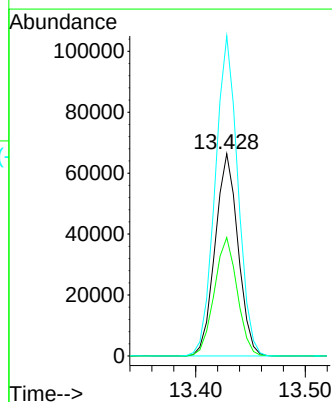
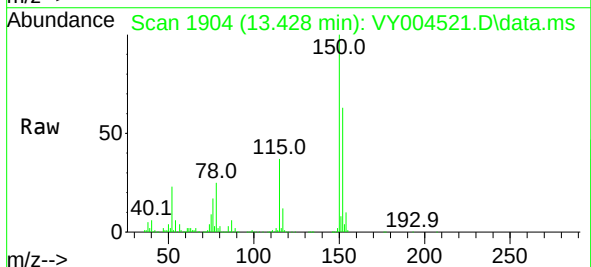
Instrument :  
MSVOA\_Y  
ClientSampleId :

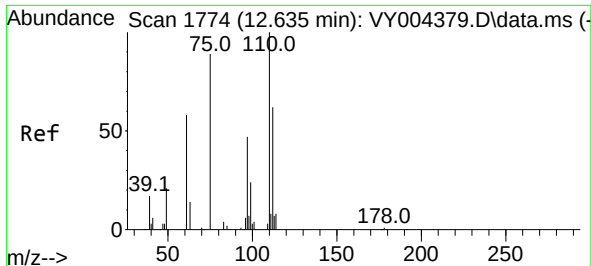
Tgt Ion:117 Resp: 214672  
Ion Ratio Lower Upper  
117 100  
82 55.5 44.9 67.3  
119 31.2 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY004521.D  
Acq: 20 Apr 2021 12:15

Tgt Ion:152 Resp: 96344  
Ion Ratio Lower Upper  
152 100  
115 58.6 29.6 88.8  
150 156.9 0.0 348.4

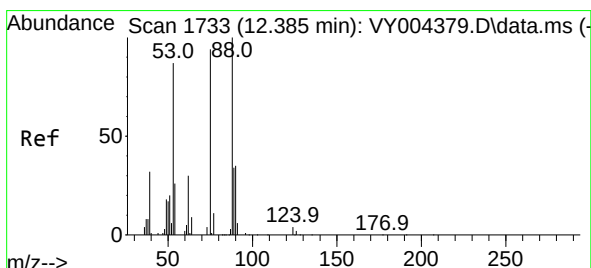
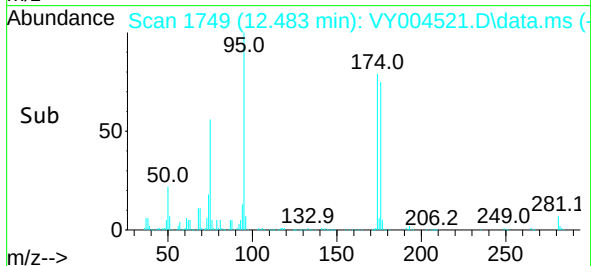
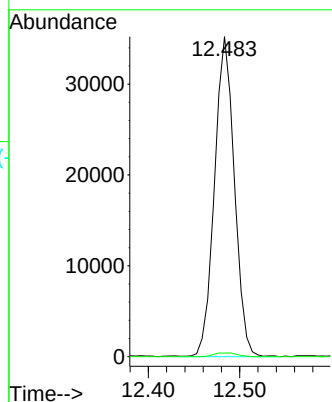
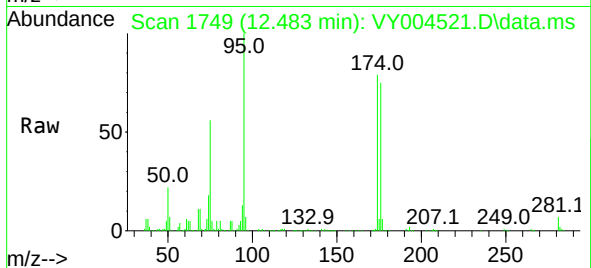




#76  
1,2,3-Trichloropropane  
Concen: 51.48 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY004521.D  
Acq: 20 Apr 2021 12:15

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 53233  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 92.09 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.098 min  
Lab File: VY004521.D  
Acq: 20 Apr 2021 12:15

Tgt Ion: 75 Resp: 53233  
Ion Ratio Lower Upper  
75 100  
53 0.0 75.0 112.6#  
89 0.3 36.1 54.1#

