

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110221\  
 Data File : VY006582.D  
 Acq On : 02 Nov 2021 17:25  
 Operator : SY/MD  
 Sample : M4411-01  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MH-HHS

Quant Time: Nov 03 02:02:23 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 23 06:59:04 2021  
 Response via : Initial Calibration

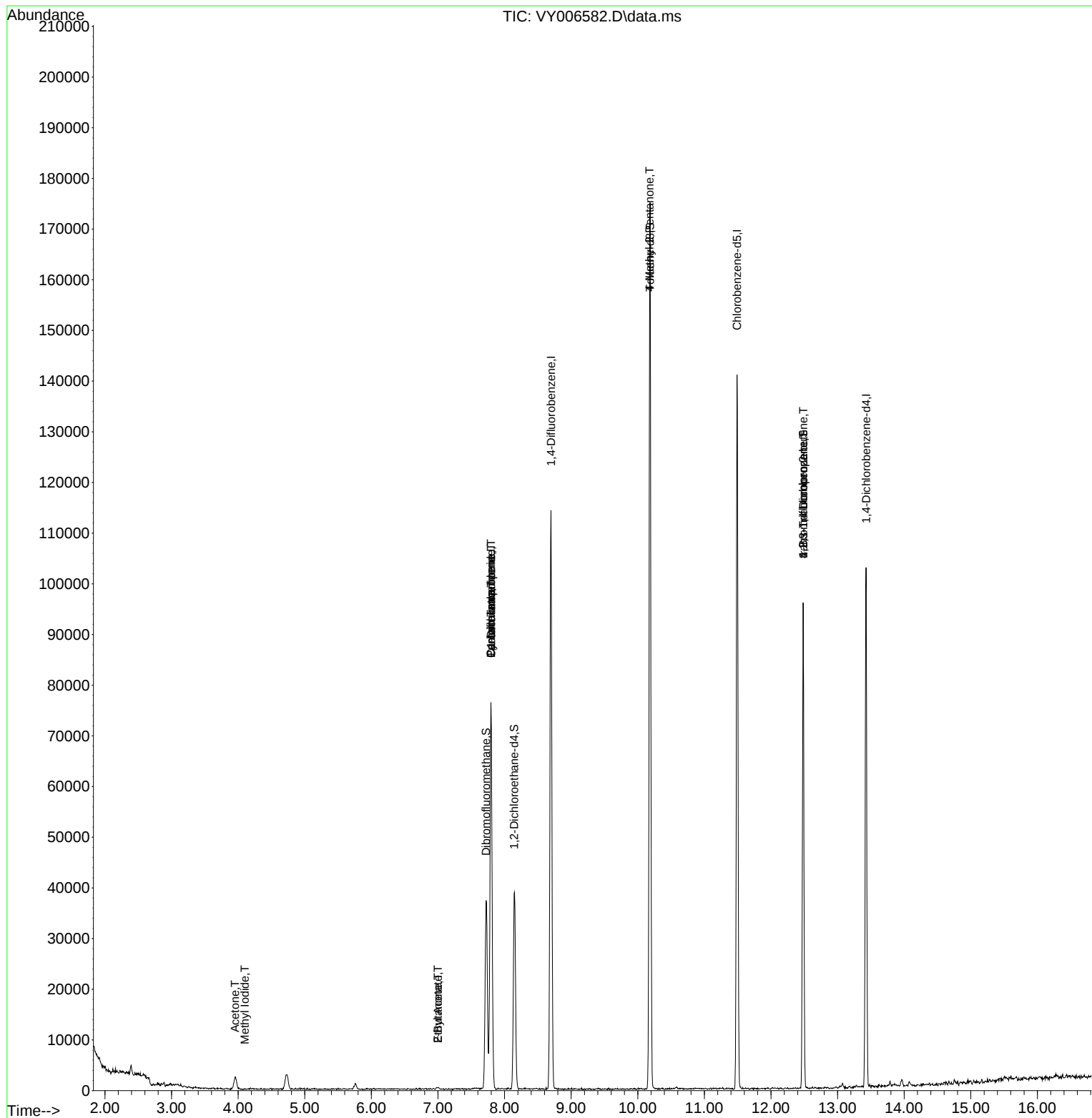
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 56198    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 88762    | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 70939    | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 24956    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 32206    | 46.571    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 93.140%  |
| 35) Dibromofluoromethane      | 7.722  | 113   | 25485    | 51.513    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 103.020% |
| 50) Toluene-d8                | 10.185 | 98    | 110819   | 52.840    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 105.680% |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 26707    | 37.803    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 75.600%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 10) Methyl Iodide             | 4.101  | 142   | 28       | 5.105     | ug/l # | 36       |
| 16) Acetone                   | 3.954  | 43    | 4466     | 22.428    | ug/l # | 89       |
| 20) Methylene Chloride        | 4.723  | 84    | 2202     | Below Cal |        | 93       |
| 25) 2-Butanone                | 6.997  | 43    | 642      | 2.461     | ug/l # | 52       |
| 31) Cyclohexane               | 7.795  | 56    | 1475     | 1.317     | ug/l # | 22       |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 4877     | 5.561     | ug/l # | 49       |
| 37) Ethyl Acetate             | 6.997  | 43    | 642      | 1.157     | ug/l # | 72       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 5497     | 5.682     | ug/l # | 18       |
| 51) 4-Methyl-2-Pentanone      | 10.179 | 43    | 644      | 1.141     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 15032    | 58.453    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 15032    | 120.001   | ug/l # | 7        |
| -----                         |        |       |          |           |        |          |

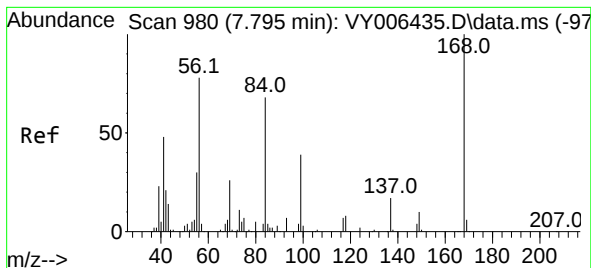
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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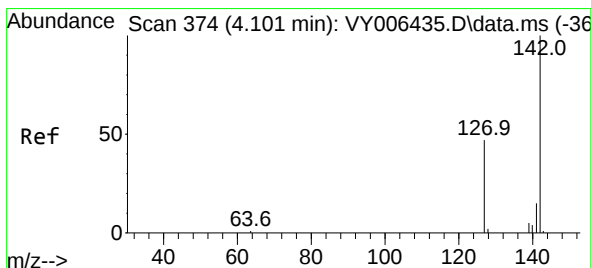
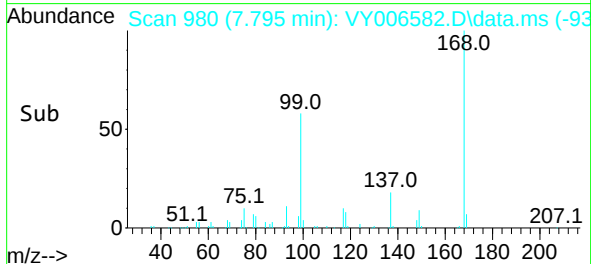
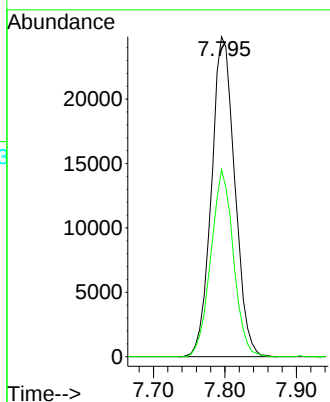
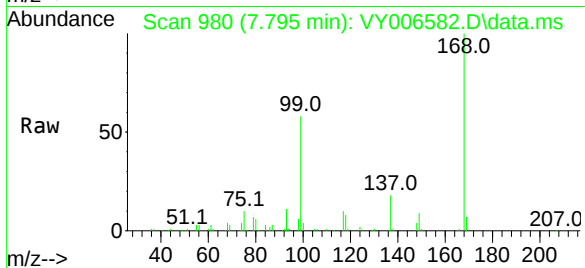




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY006582.D  
Acq: 02 Nov 2021 17:25

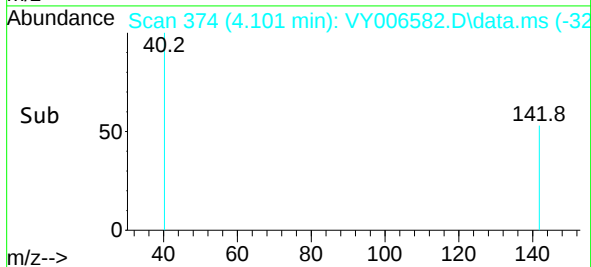
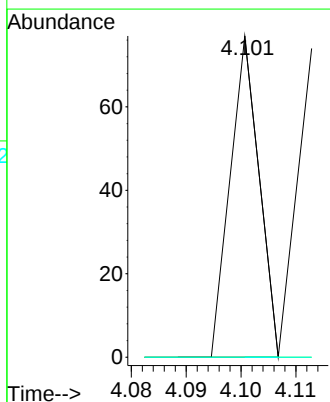
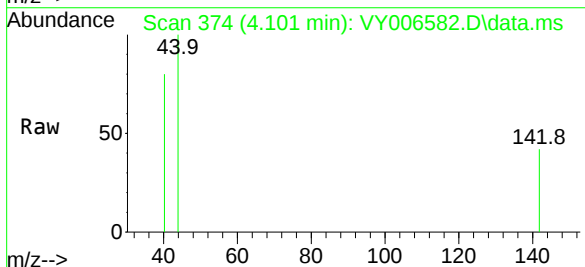
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-HHS

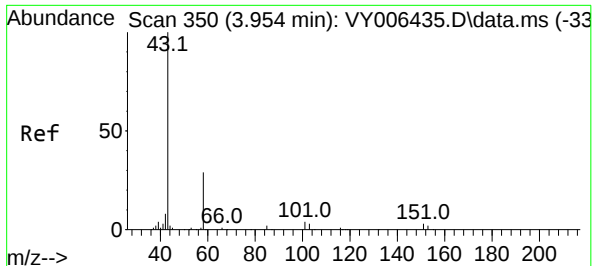
Tgt Ion:168 Resp: 56198  
Ion Ratio Lower Upper  
168 100  
99 58.5 44.8 67.2



#10  
Methyl Iodide  
Concen: 5.105 ug/l  
RT: 4.101 min Scan# 374  
Delta R.T. -0.000 min  
Lab File: VY006582.D  
Acq: 02 Nov 2021 17:25

Tgt Ion:142 Resp: 28  
Ion Ratio Lower Upper  
142 100  
127 0.0 40.1 60.1#  
141 0.0 12.5 18.7#

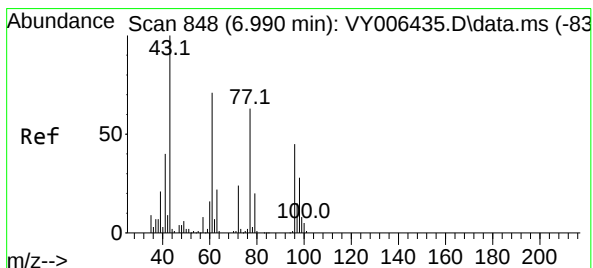
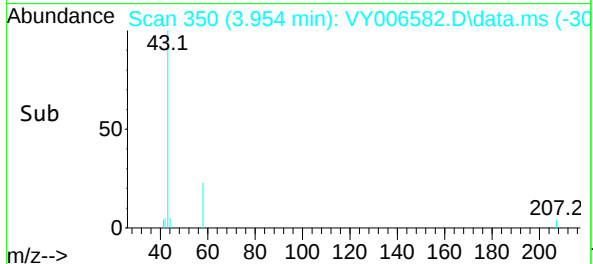
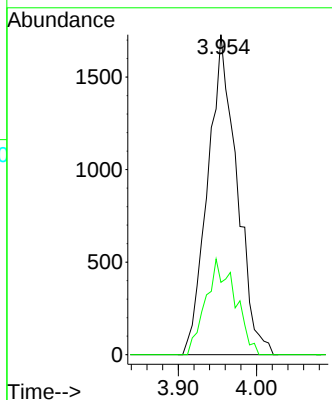
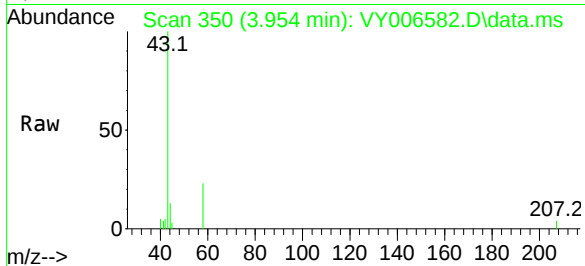




#16  
Acetone  
Concen: 22.428 ug/l  
RT: 3.954 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VY006582.D  
Acq: 02 Nov 2021 17:25

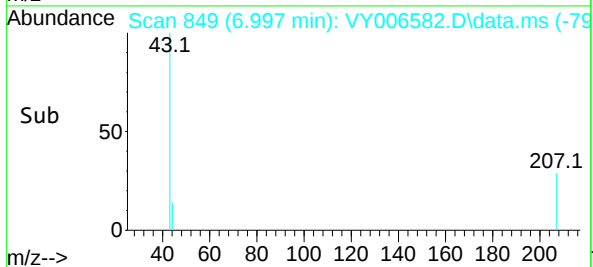
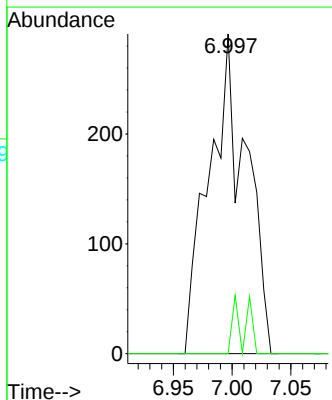
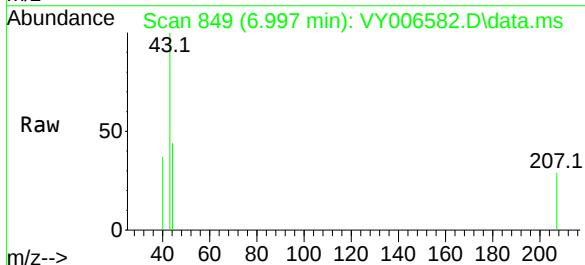
Instrument :  
MSVOA\_Y  
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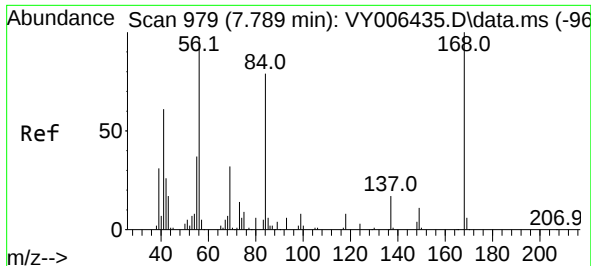
Tgt Ion: 43 Resp: 4466  
Ion Ratio Lower Upper  
43 100  
58 22.6 22.9 34.3#



#25  
2-Butanone  
Concen: 2.461 ug/l  
RT: 6.997 min Scan# 849  
Delta R.T. 0.006 min  
Lab File: VY006582.D  
Acq: 02 Nov 2021 17:25

Tgt Ion: 43 Resp: 642  
Ion Ratio Lower Upper  
43 100  
72 0.0 18.9 28.3#

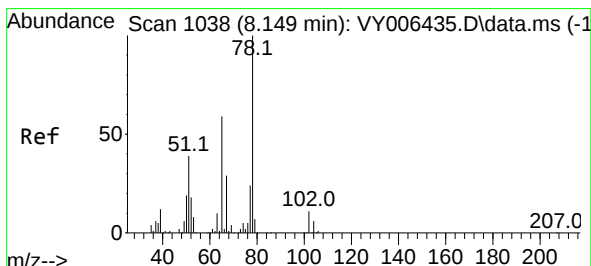
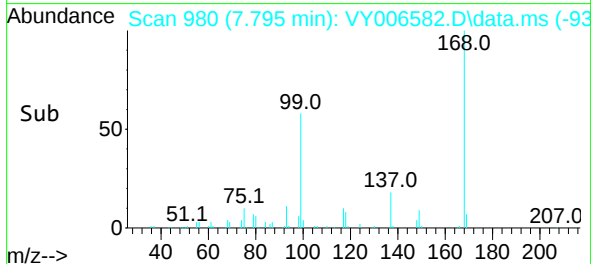
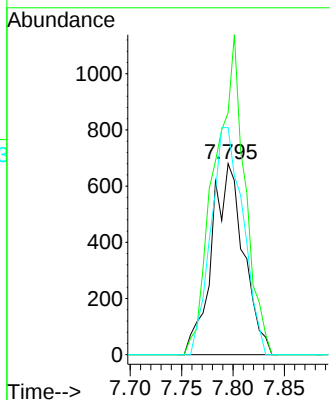
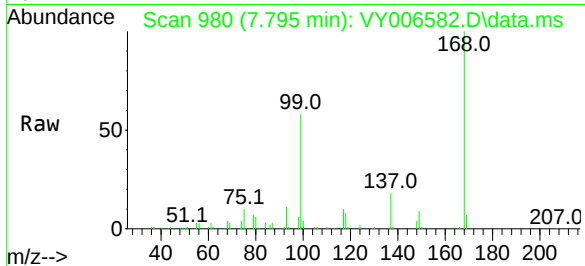




#31  
Cyclohexane  
Concen: 1.317 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY006582.D  
Acq: 02 Nov 2021 17:25

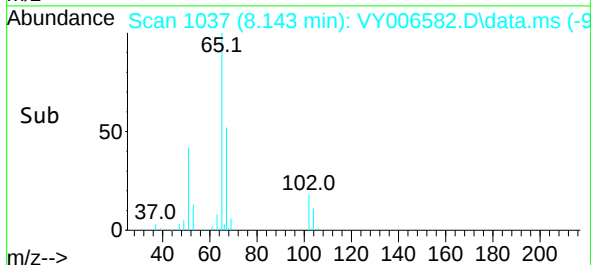
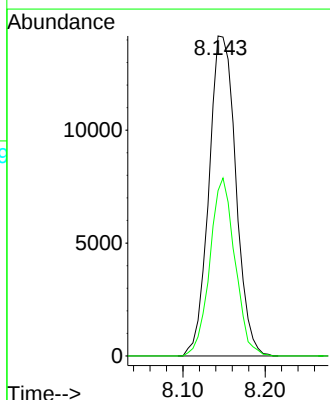
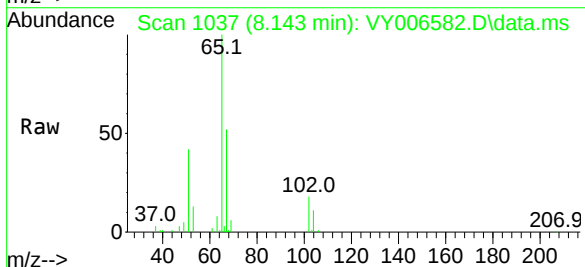
Instrument :  
MSVOA\_Y  
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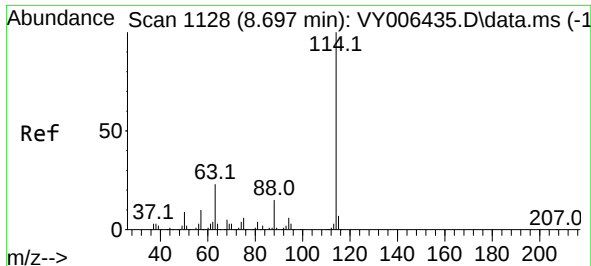
Tgt Ion: 56 Resp: 1475  
Ion Ratio Lower Upper  
56 100  
69 126.6 26.6 40.0#  
84 118.8 65.0 97.4#



#33  
1,2-Dichloroethane-d4  
Concen: 46.571 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.006 min  
Lab File: VY006582.D  
Acq: 02 Nov 2021 17:25

Tgt Ion: 65 Resp: 32206  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 98.2

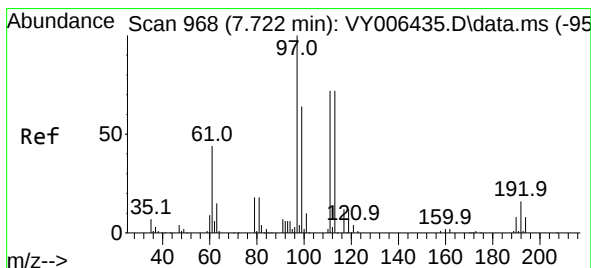
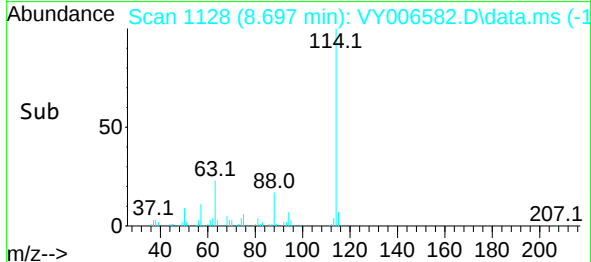
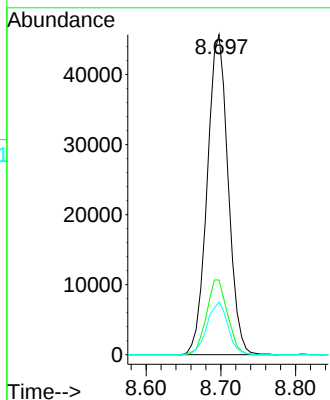
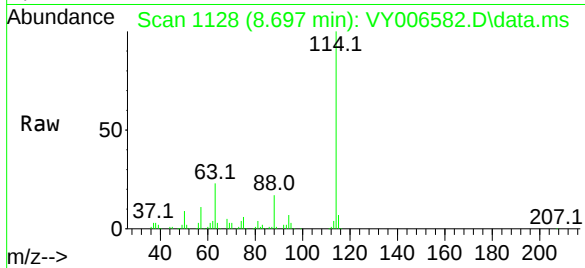




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.697 min Scan# 1128  
 Delta R.T. 0.000 min  
 Lab File: VY006582.D  
 Acq: 02 Nov 2021 17:25

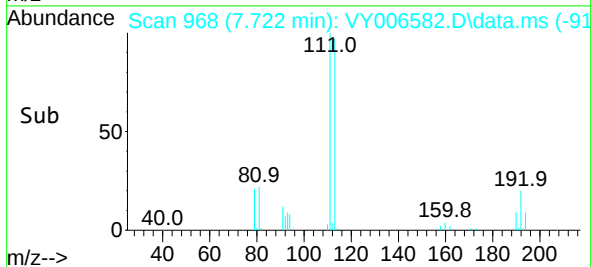
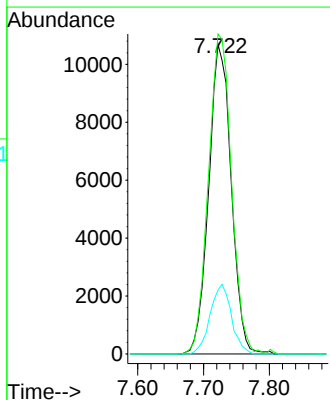
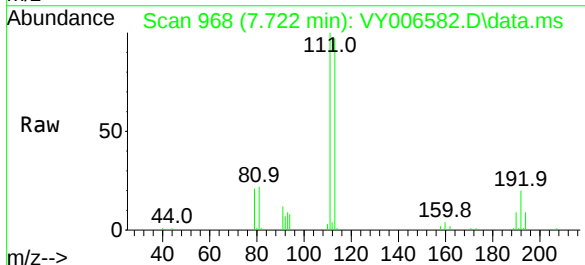
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MH-HHS

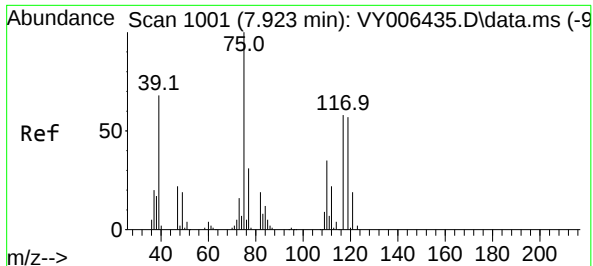
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 88762 |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 23.3  | 0.0   | 45.0  |
| 88       | 16.5  | 0.0   | 30.6  |



#35  
 Dibromofluoromethane  
 Concen: 51.513 ug/l  
 RT: 7.722 min Scan# 968  
 Delta R.T. 0.000 min  
 Lab File: VY006582.D  
 Acq: 02 Nov 2021 17:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 25485 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 105.8 | 82.3  | 123.5 |
| 192      | 21.2  | 17.4  | 26.2  |

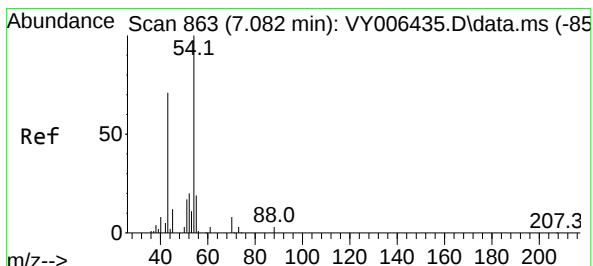
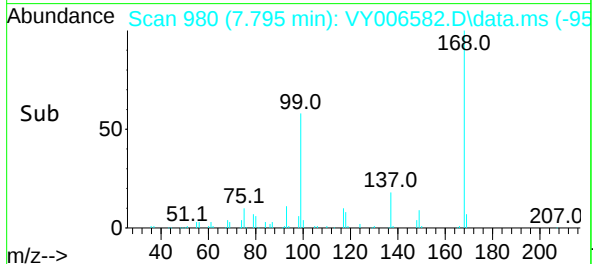
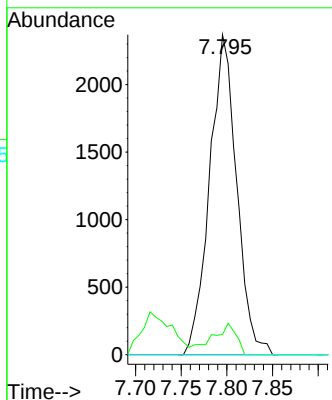
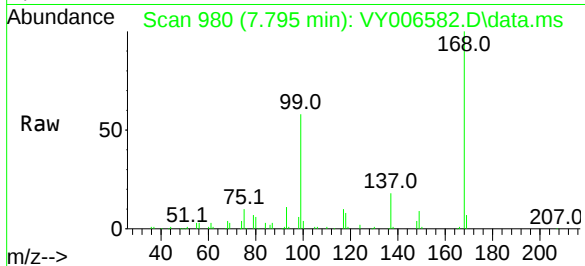




#36  
1,1-Dichloropropene  
Concen: 5.561 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.128 min  
Lab File: VY006582.D  
Acq: 02 Nov 2021 17:25

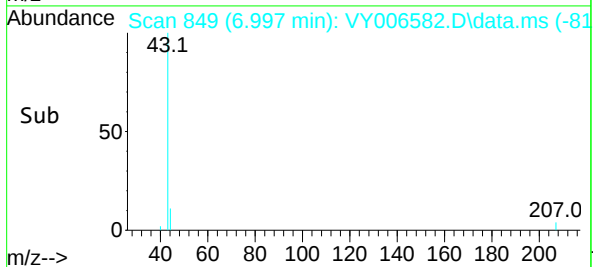
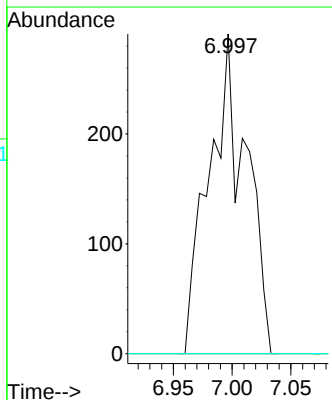
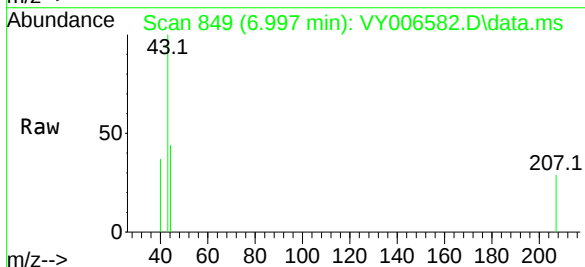
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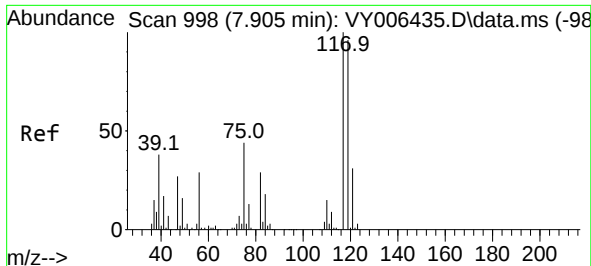
Tgt Ion: 75 Resp: 4877  
Ion Ratio Lower Upper  
75 100  
110 8.3 17.1 51.3#  
77 0.0 24.9 37.3#



#37  
Ethyl Acetate  
Concen: 1.157 ug/l  
RT: 6.997 min Scan# 849  
Delta R.T. -0.085 min  
Lab File: VY006582.D  
Acq: 02 Nov 2021 17:25

Tgt Ion: 43 Resp: 642  
Ion Ratio Lower Upper  
43 100  
61 0.0 9.4 14.2#  
70 0.0 6.9 10.3#

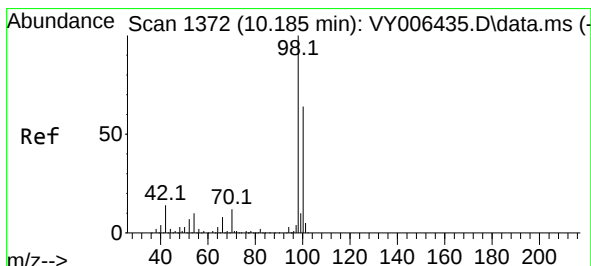
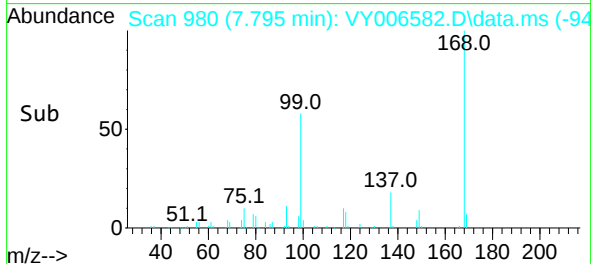
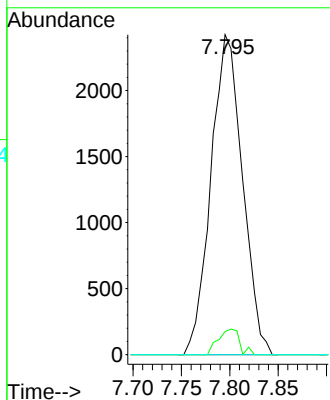
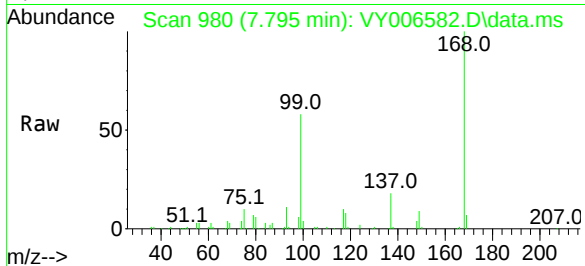




#38  
Carbon Tetrachloride  
Concen: 5.682 ug/l  
RT: 7.795 min Scan# 998  
Delta R.T. -0.110 min  
Lab File: VY006582.D  
Acq: 02 Nov 2021 17:25

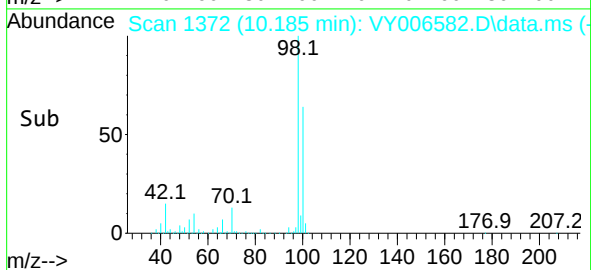
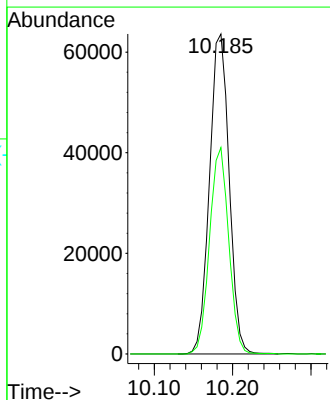
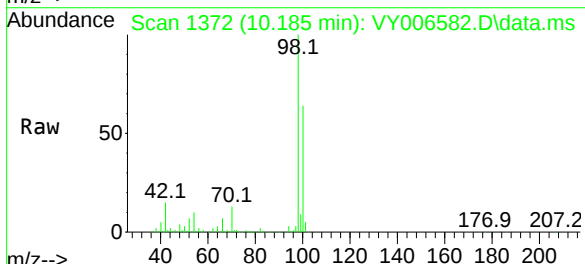
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-HHS

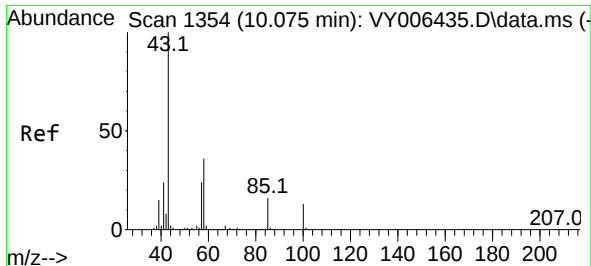
Tgt Ion:117 Resp: 5497  
Ion Ratio Lower Upper  
117 100  
119 7.2 76.6 115.0#  
121 0.0 24.7 37.1#



#50  
Toluene-d8  
Concen: 52.840 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY006582.D  
Acq: 02 Nov 2021 17:25

Tgt Ion: 98 Resp: 110819  
Ion Ratio Lower Upper  
98 100  
100 62.8 50.9 76.3

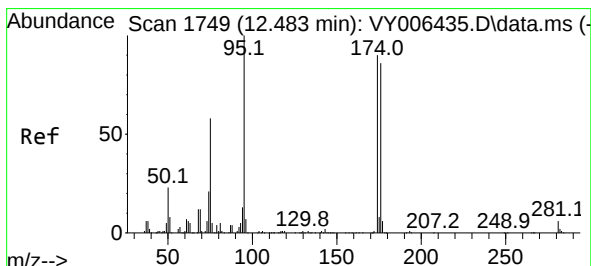
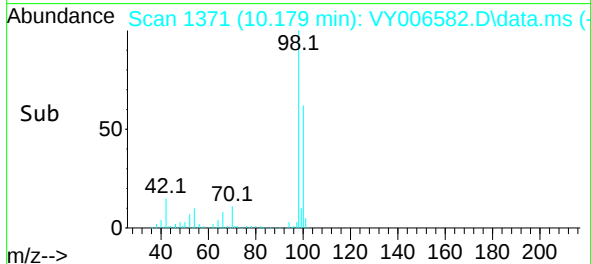
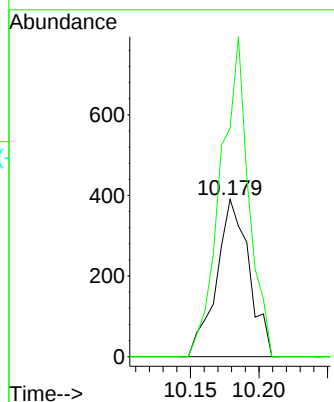
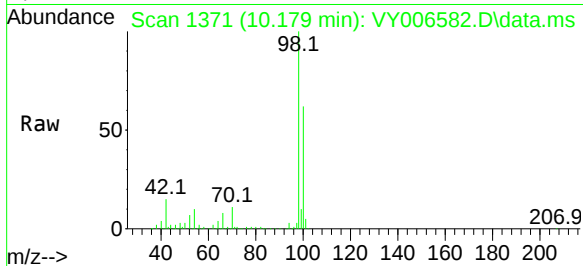




#51  
4-Methyl-2-Pentanone  
Concen: 1.141 ug/l  
RT: 10.179 min Scan# 1354  
Delta R.T. 0.104 min  
Lab File: VY006582.D  
Acq: 02 Nov 2021 17:25

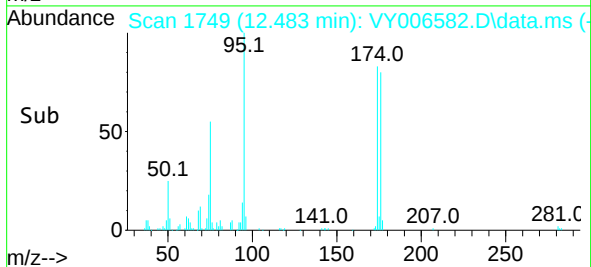
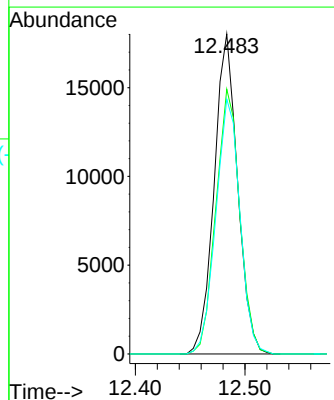
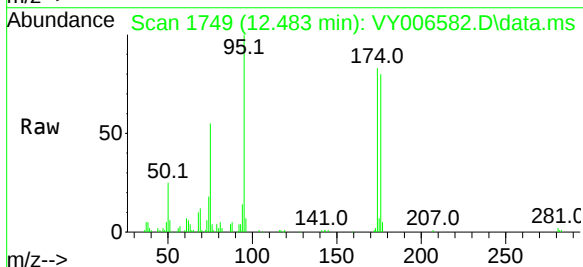
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-HHS

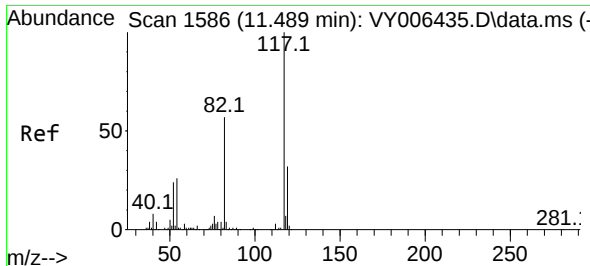
Tgt Ion: 43 Resp: 644  
Ion Ratio Lower Upper  
43 100  
58 177.0 28.7 43.1#



#62  
4-Bromofluorobenzene  
Concen: 37.803 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY006582.D  
Acq: 02 Nov 2021 17:25

Tgt Ion: 95 Resp: 26707  
Ion Ratio Lower Upper  
95 100  
174 84.4 0.0 177.0  
176 82.0 0.0 169.4

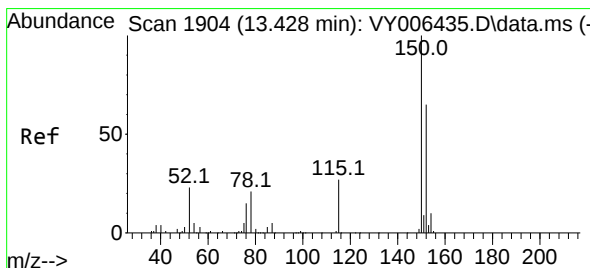
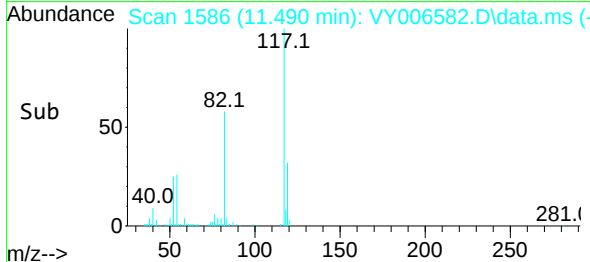
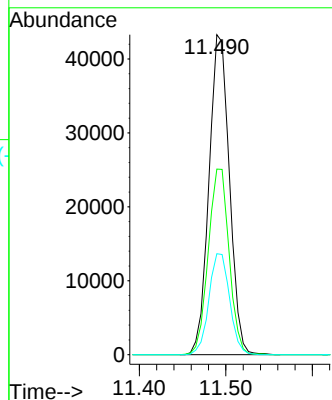
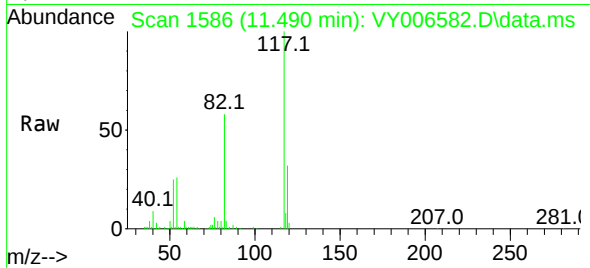




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY006582.D  
Acq: 02 Nov 2021 17:25

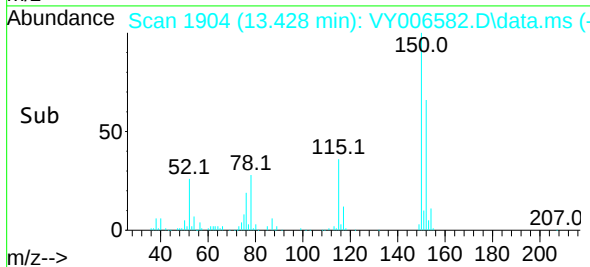
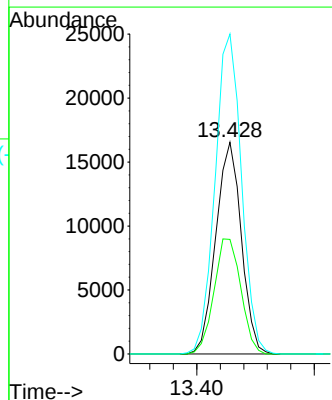
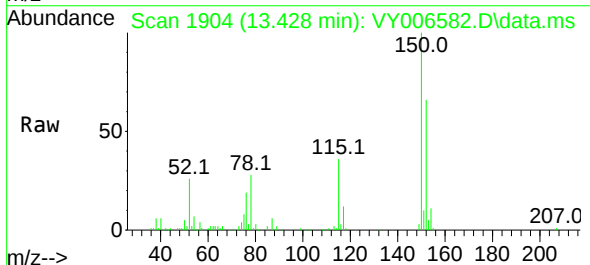
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-HHS

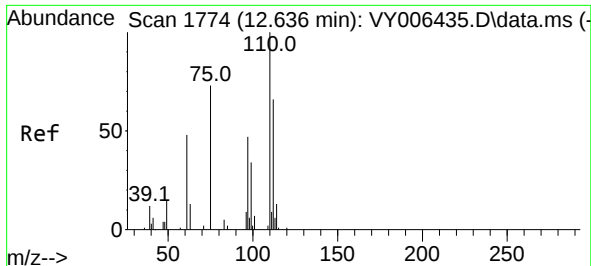
Tgt Ion:117 Resp: 70939  
Ion Ratio Lower Upper  
117 100  
82 58.0 45.7 68.5  
119 31.6 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY006582.D  
Acq: 02 Nov 2021 17:25

Tgt Ion:152 Resp: 24956  
Ion Ratio Lower Upper  
152 100  
115 57.1 28.5 85.5  
150 156.6 0.0 348.2

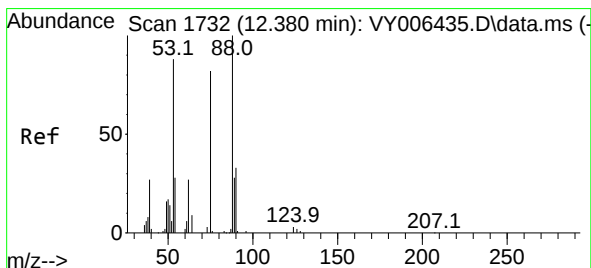
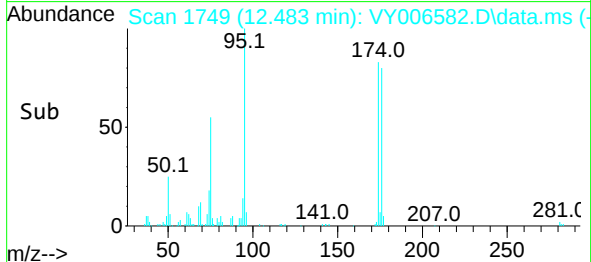
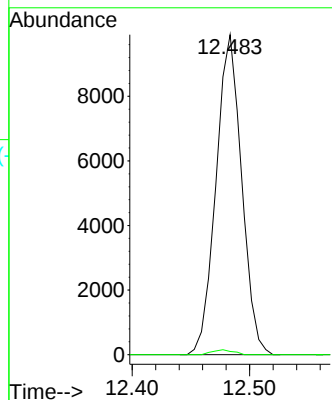
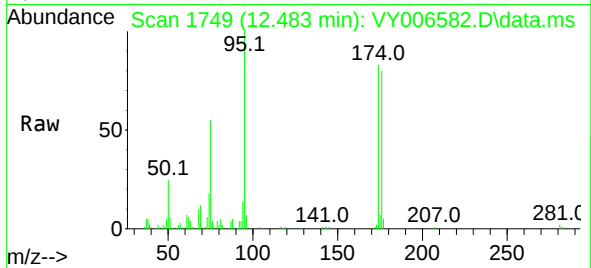




#76  
1,2,3-Trichloropropane  
Concen: 58.453 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY006582.D  
Acq: 02 Nov 2021 17:25

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-HHS

Tgt Ion: 75 Resp: 15032  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 120.001 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY006582.D  
Acq: 02 Nov 2021 17:25

Tgt Ion: 75 Resp: 15032  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.8 128.6#  
89 0.0 39.3 58.9#

