

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091621\  
 Data File : VY006057.D  
 Acq On : 16 Sep 2021 18:48  
 Operator : SY/MD  
 Sample : M3750-06  
 Misc : 7.10G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 NAPL-AREA-04-(8-10)-END-POINT

Quant Time: Sep 17 02:47:04 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091421S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 15 05:01:47 2021  
 Response via : Initial Calibration

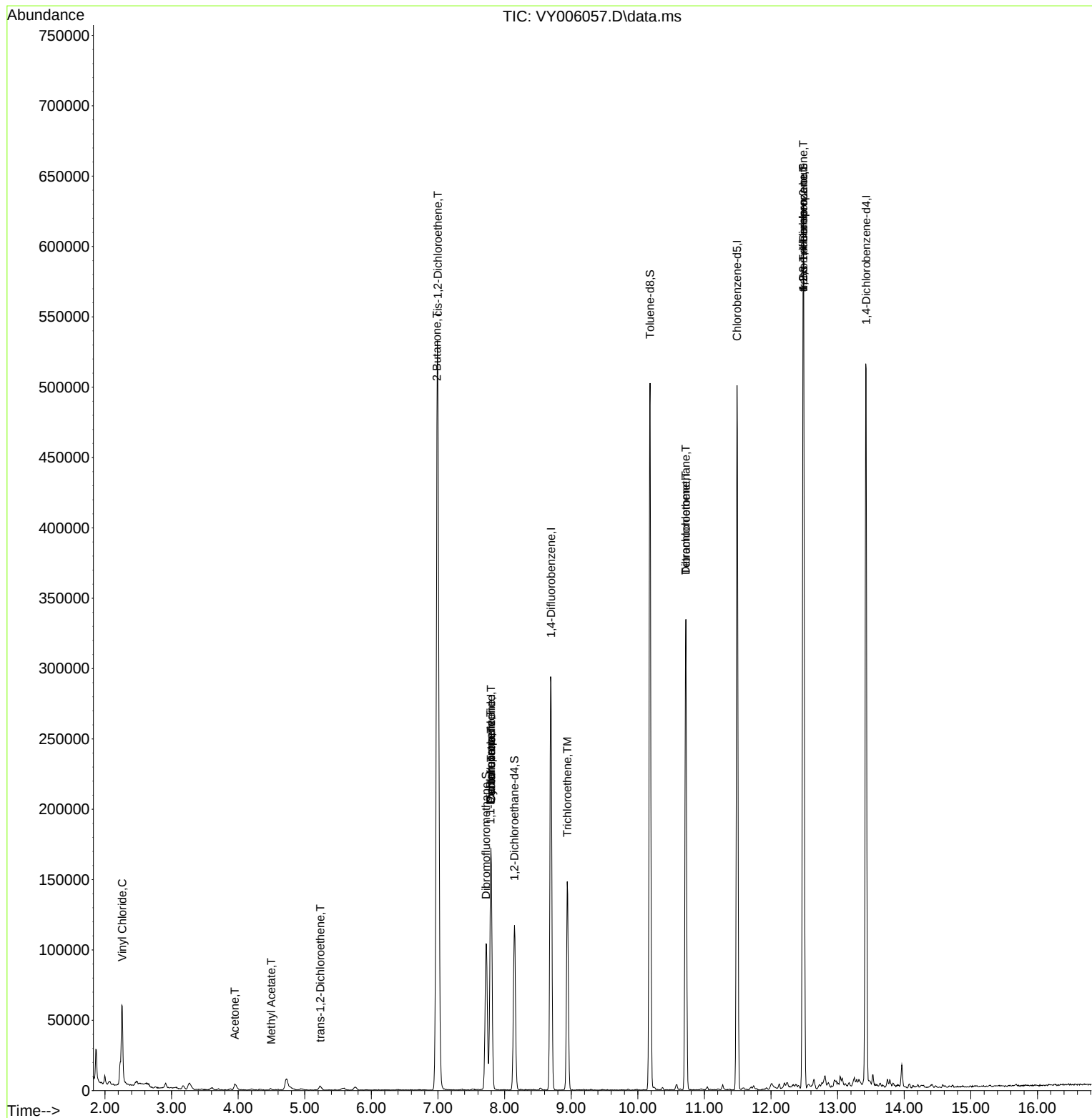
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 131613   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 237463   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 249708   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 126244   | 50.000    | ug/l   | 0.00     |
|                               |        |       |          |           |        |          |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149  | 65    | 95710    | 52.353    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 104.700% |
| 35) Dibromofluoromethane      | 7.722  | 113   | 72477    | 49.139    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 98.280%  |
| 50) Toluene-d8                | 10.185 | 98    | 310795   | 49.441    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 98.880%  |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 122275   | 57.291    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 114.580% |
|                               |        |       |          |           |        |          |
| Target Compounds              |        |       |          |           |        | Qvalue   |
| 4) Vinyl Chloride             | 2.259  | 62    | 51219    | 26.238    | ug/l   | 99       |
| 11) Tert butyl alcohol        | 4.960  | 59    | 1578     | Below Cal | #      | 81       |
| 16) Acetone                   | 3.948  | 43    | 7567     | 15.091    | ug/l   | 90       |
| 18) Methyl Acetate            | 4.497  | 43    | 1803     | 1.427     | ug/l # | 89       |
| 20) Methylene Chloride        | 4.722  | 84    | 5460     | Below Cal |        | 94       |
| 21) trans-1,2-Dichloroethene  | 5.234  | 96    | 1560     | 1.059     | ug/l # | 73       |
| 25) 2-Butanone                | 6.984  | 43    | 1040     | 1.505     | ug/l # | 1        |
| 27) cis-1,2-Dichloroethene    | 6.996  | 96    | 312569   | 190.129   | ug/l   | 89       |
| 31) Cyclohexane               | 7.795  | 56    | 3220     | 1.099     | ug/l # | 15       |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 10679    | 4.167     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 12856    | 4.607     | ug/l # | 15       |
| 44) Trichloroethene           | 8.941  | 130   | 48920    | 26.709    | ug/l   | 96       |
| 60) Dibromochloromethane      | 10.721 | 129   | 60119    | 36.057    | ug/l # | 11       |
| 64) Tetrachloroethene         | 10.721 | 164   | 68859    | 33.715    | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 70760    | 52.571    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 70760    | 96.652    | ug/l # | 8        |
| -----                         |        |       |          |           |        |          |

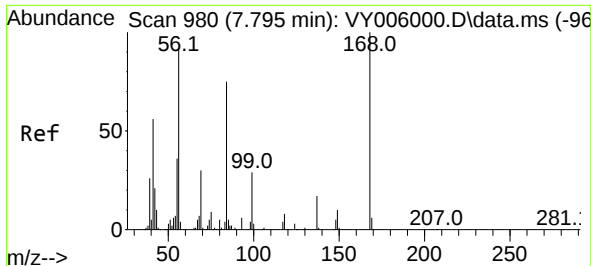
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M3750-06  
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NAPL-AREA-04-(8-10)-END-POINT

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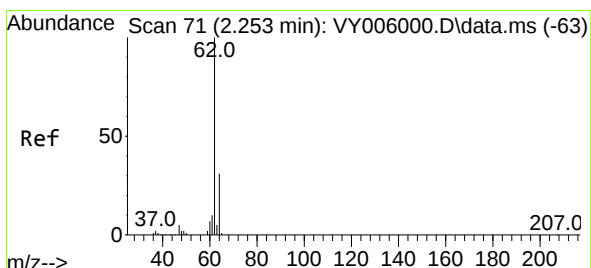
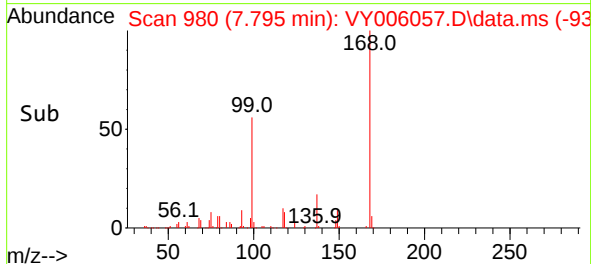
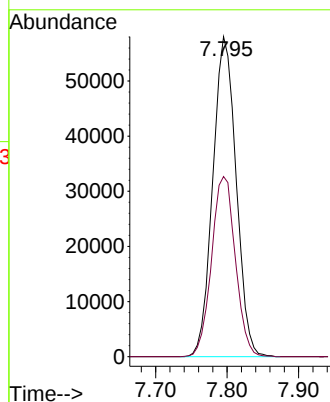
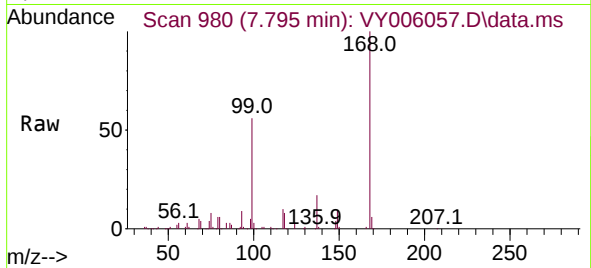




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.000 min  
Lab File: VY006057.D  
Acq: 16 Sep 2021 18:48

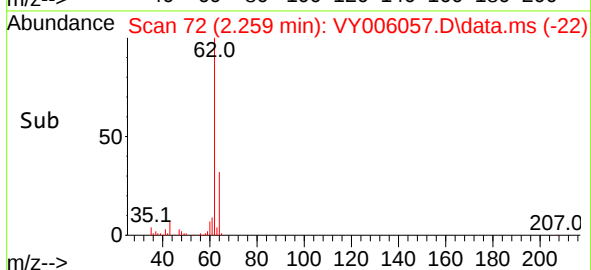
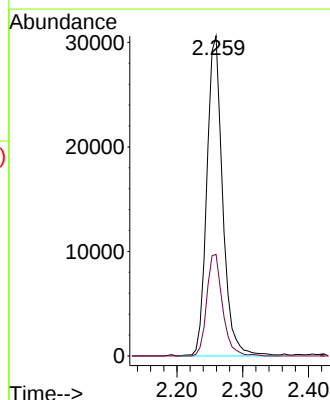
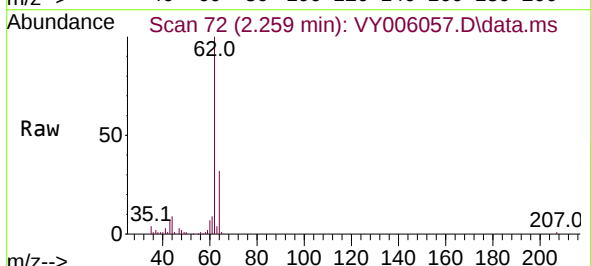
Instrument :  
MSVOA\_Y  
ClientSampleId :  
NAPL-AREA-04-(8-10)-END-POINT

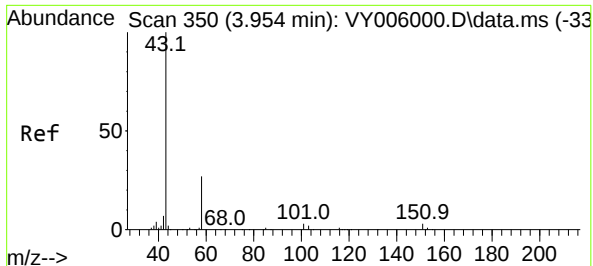
Tgt Ion:168 Resp: 131613  
Ion Ratio Lower Upper  
168 100  
99 56.3 46.9 70.3



#4  
Vinyl Chloride  
Concen: 26.238 ug/l  
RT: 2.259 min Scan# 72  
Delta R.T. 0.006 min  
Lab File: VY006057.D  
Acq: 16 Sep 2021 18:48

Tgt Ion: 62 Resp: 51219  
Ion Ratio Lower Upper  
62 100  
64 31.8 25.0 37.6

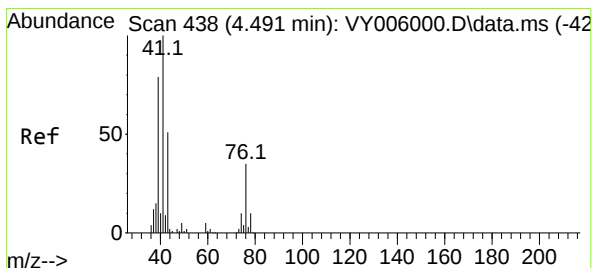
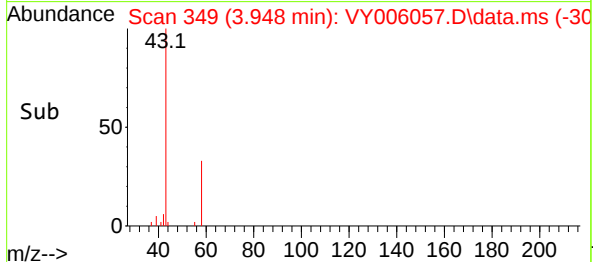
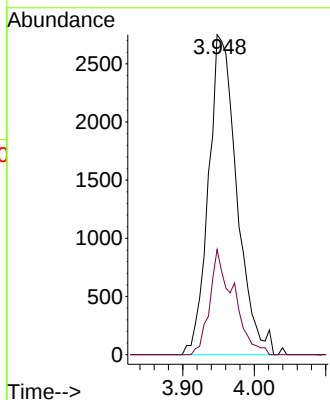
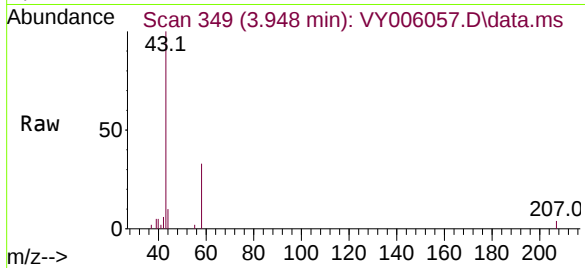




#16  
Acetone  
Concen: 15.091 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. -0.006 min  
Lab File: VY006057.D  
Acq: 16 Sep 2021 18:48

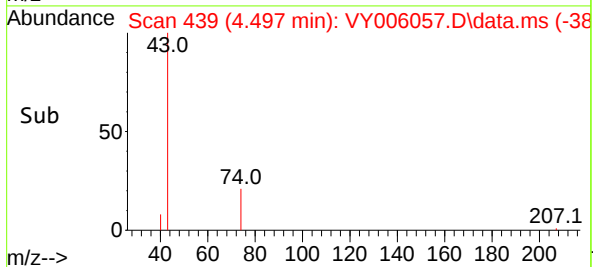
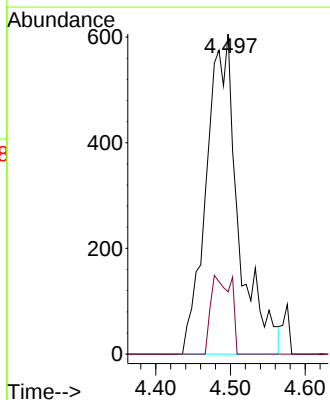
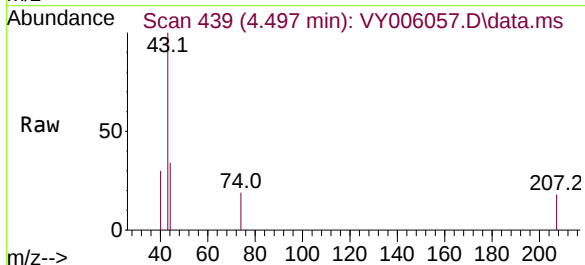
Instrument :  
MSVOA\_Y  
ClientSampleId :  
NAPL-AREA-04-(8-10)-END-POINT

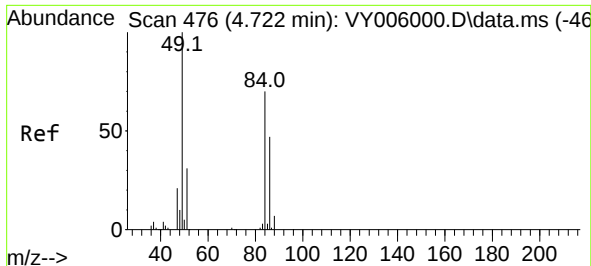
Tgt Ion: 43 Resp: 7567  
Ion Ratio Lower Upper  
43 100  
58 32.9 22.0 33.0



#18  
Methyl Acetate  
Concen: 1.427 ug/l  
RT: 4.497 min Scan# 439  
Delta R.T. 0.006 min  
Lab File: VY006057.D  
Acq: 16 Sep 2021 18:48

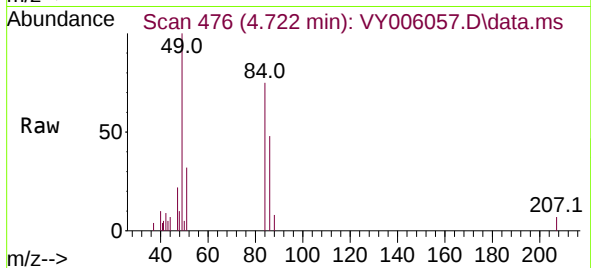
Tgt Ion: 43 Resp: 1803  
Ion Ratio Lower Upper  
43 100  
74 15.5 16.6 24.8#



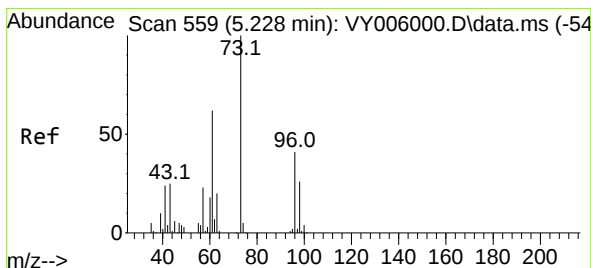
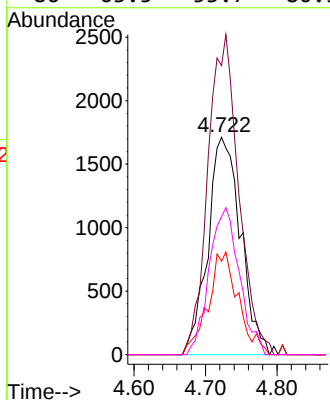
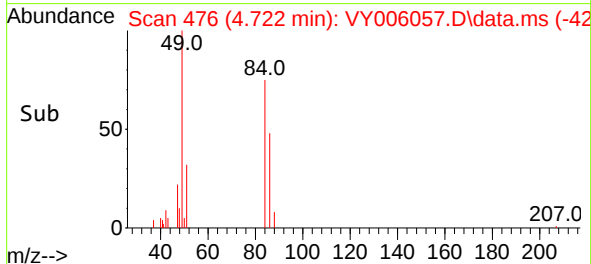


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.722 min Scan# 476  
Delta R.T. 0.000 min  
Lab File: VY006057.D  
Acq: 16 Sep 2021 18:48

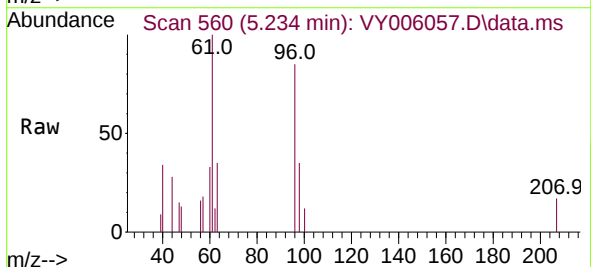
Instrument :  
MSVOA\_Y  
ClientSampleId :  
NAPL-AREA-04-(8-10)-END-POINT



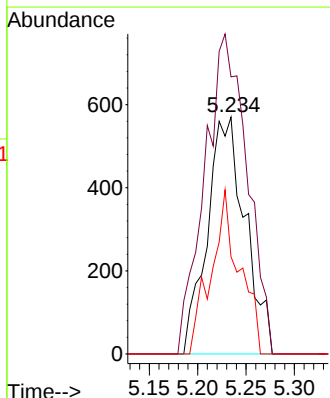
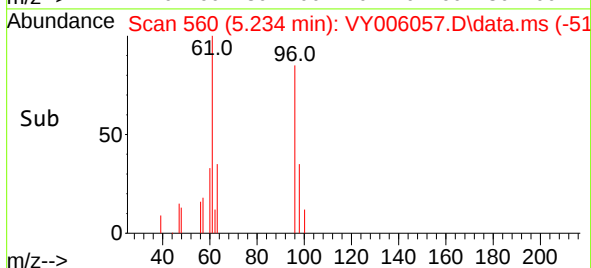
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 5460  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 133.0 | 114.4 | 171.6 |
| 51       | 43.0  | 35.3  | 52.9  |
| 86       | 63.5  | 53.7  | 80.5  |

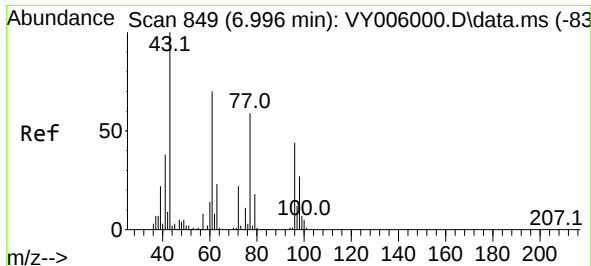


#21  
trans-1,2-Dichloroethene  
Concen: 1.059 ug/l  
RT: 5.234 min Scan# 560  
Delta R.T. 0.006 min  
Lab File: VY006057.D  
Acq: 16 Sep 2021 18:48



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 1560   |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 117.0 | 120.5 | 180.7# |
| 98       | 41.1  | 49.8  | 74.8#  |

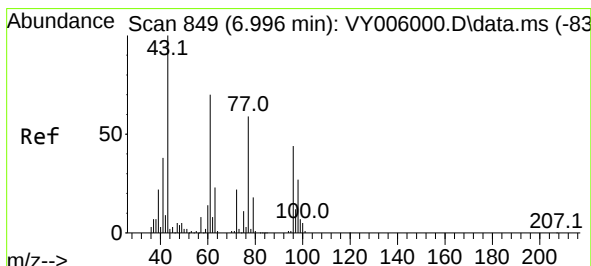
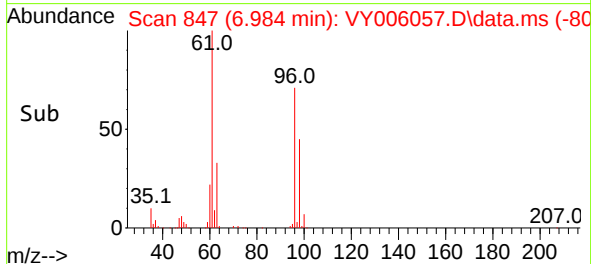
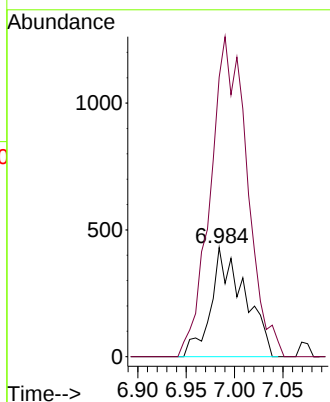
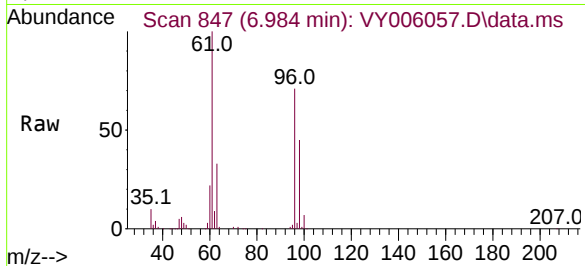




#25  
2-Butanone  
Concen: 1.505 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. -0.012 min  
Lab File: VY006057.D  
Acq: 16 Sep 2021 18:48

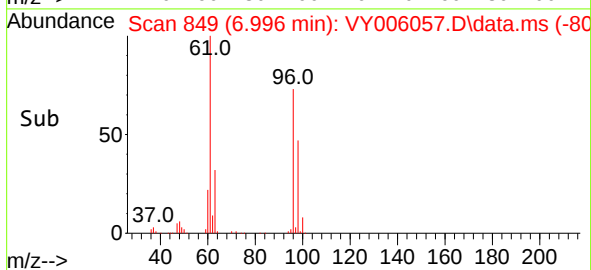
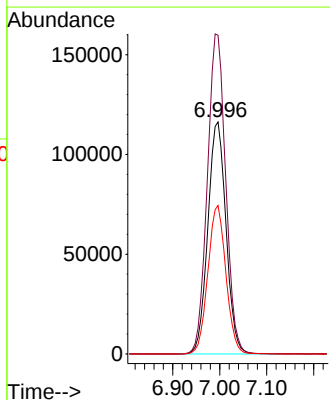
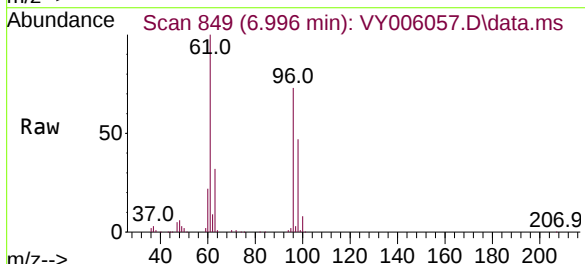
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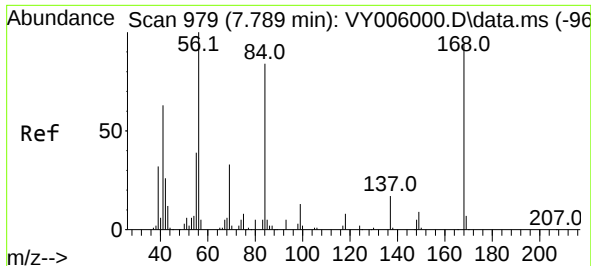
Tgt Ion: 43 Resp: 1040  
Ion Ratio Lower Upper  
43 100  
72 256.3 17.7 26.5#



#27  
cis-1,2-Dichloroethene  
Concen: 190.129 ug/l  
RT: 6.996 min Scan# 849  
Delta R.T. -0.000 min  
Lab File: VY006057.D  
Acq: 16 Sep 2021 18:48

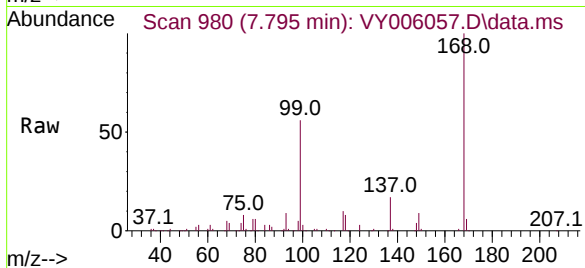
Tgt Ion: 96 Resp: 312569  
Ion Ratio Lower Upper  
96 100  
61 139.0 0.0 319.8  
98 63.4 0.0 127.0



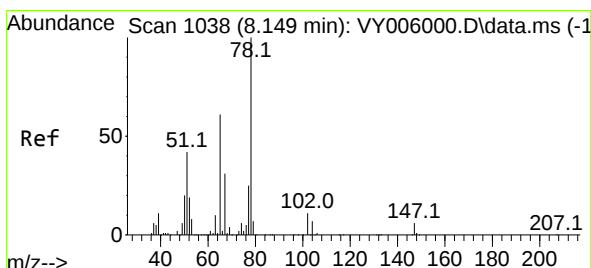
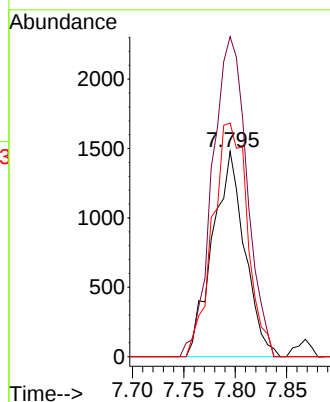
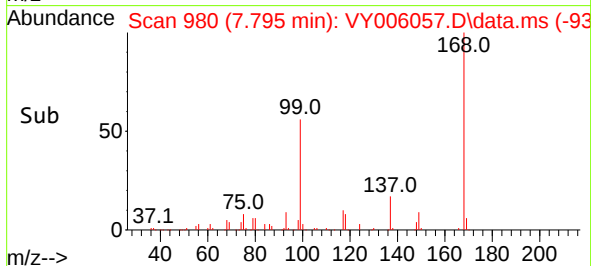


#31  
Cyclohexane  
Concen: 1.099 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: VY006057.D  
Acq: 16 Sep 2021 18:48

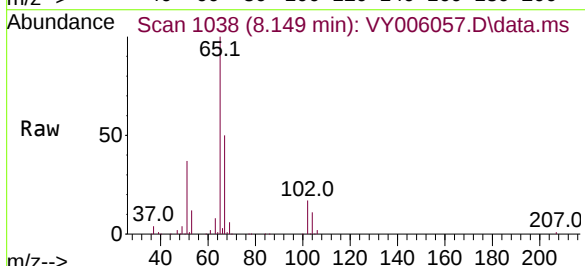
Instrument :  
MSVOA\_Y  
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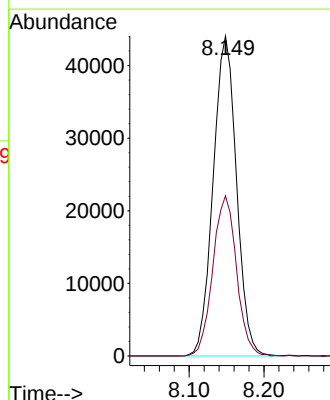
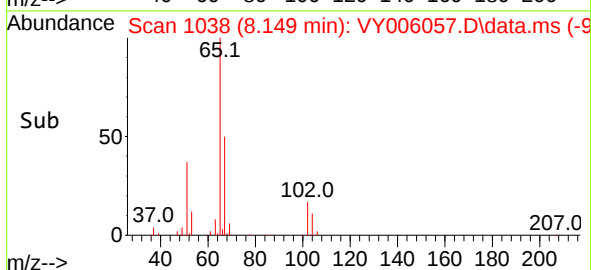
Tgt Ion: 56 Resp: 3220  
Ion Ratio Lower Upper  
56 100  
69 155.9 26.7 40.1#  
84 113.8 67.2 100.8#

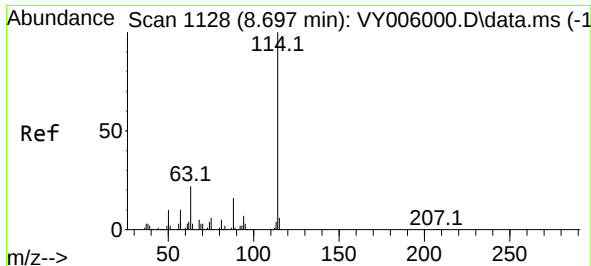


#33  
1,2-Dichloroethane-d4  
Concen: 52.353 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY006057.D  
Acq: 16 Sep 2021 18:48



Tgt Ion: 65 Resp: 95710  
Ion Ratio Lower Upper  
65 100  
67 50.8 0.0 99.4

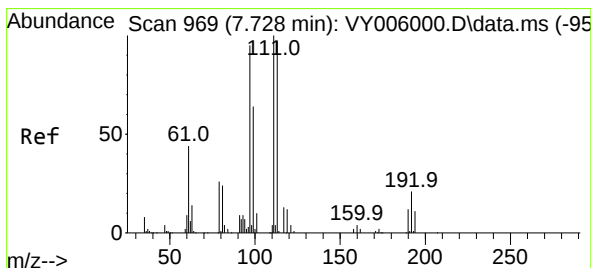
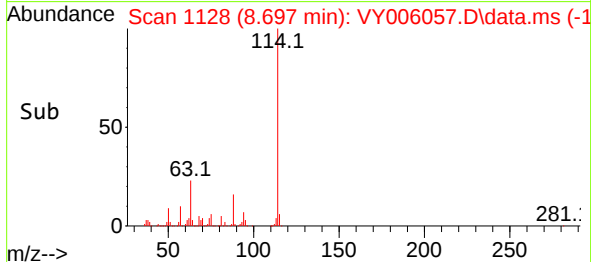
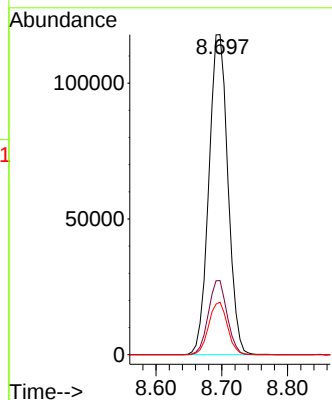
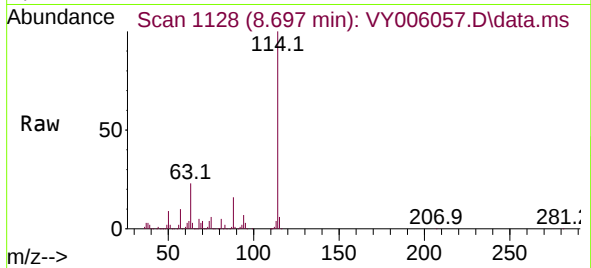




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY006057.D  
Acq: 16 Sep 2021 18:48

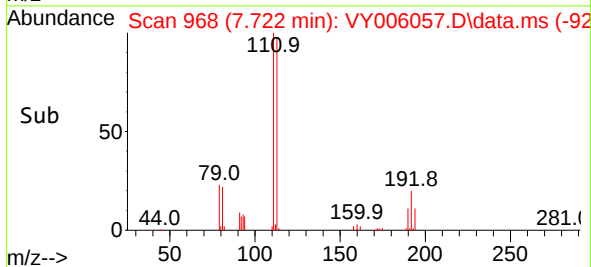
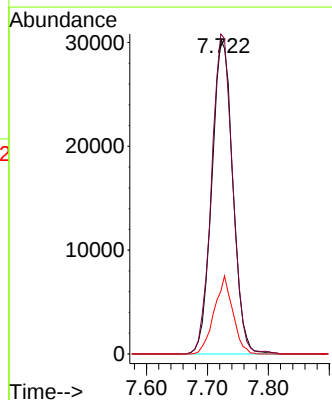
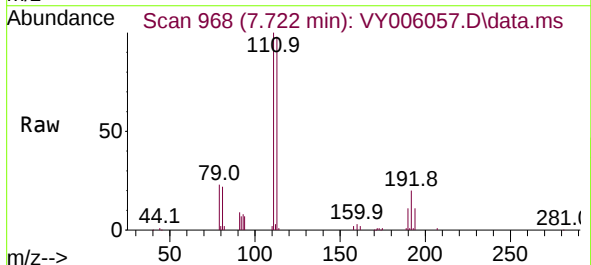
Instrument :  
MSVOA\_Y  
ClientSampleId :  
NAPL-AREA-04-(8-10)-END-POINT

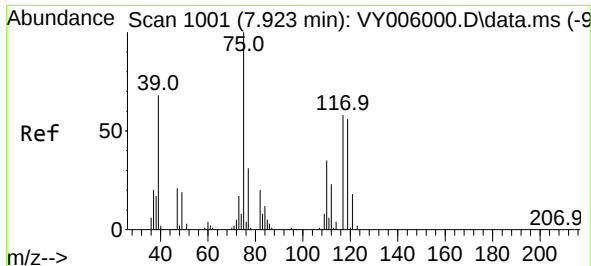
Tgt Ion:114 Resp: 237463  
Ion Ratio Lower Upper  
114 100  
63 23.2 0.0 43.2  
88 16.4 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 49.139 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. -0.006 min  
Lab File: VY006057.D  
Acq: 16 Sep 2021 18:48

Tgt Ion:113 Resp: 72477  
Ion Ratio Lower Upper  
113 100  
111 102.0 82.6 124.0  
192 22.0 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.167 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.134 min

Lab File: VY006057.D

Acq: 16 Sep 2021 18:48

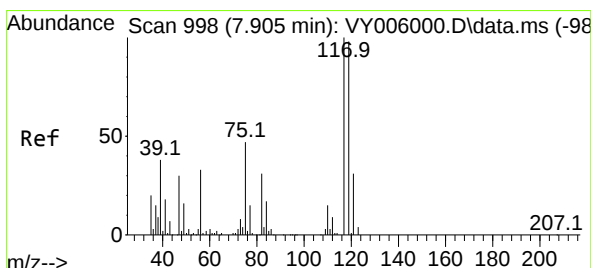
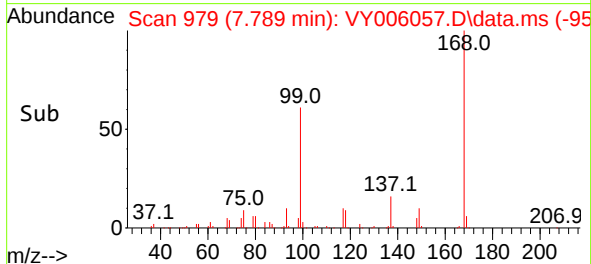
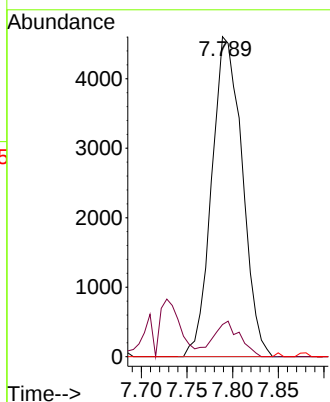
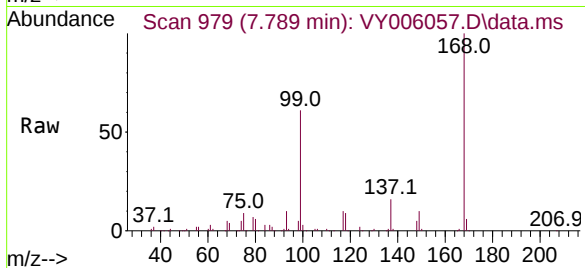
Instrument :

MSVOA\_Y

ClientSampleId :

NAPL-AREA-04-(8-10)-END-POINT

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 10679 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.4   | 17.1  | 51.2# |
| 77       | 0.0   | 24.4  | 36.6# |



#38

Carbon Tetrachloride

Concen: 4.607 ug/l

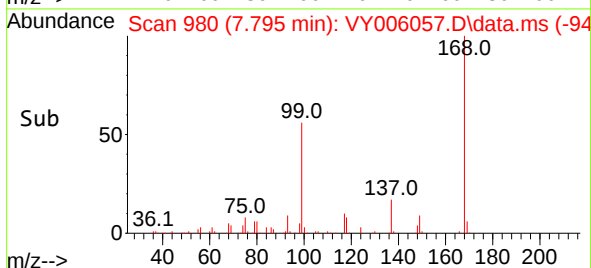
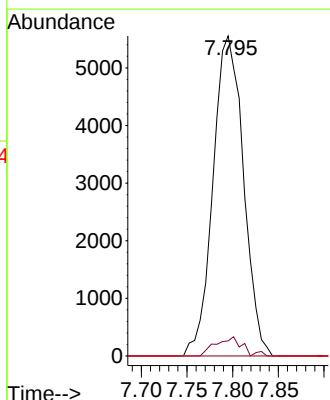
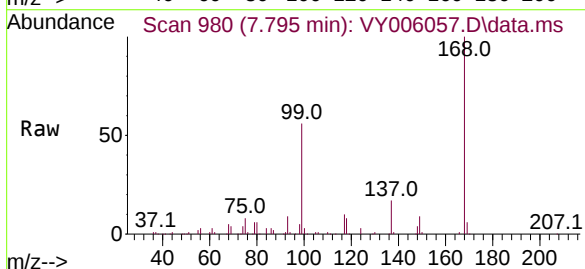
RT: 7.795 min Scan# 980

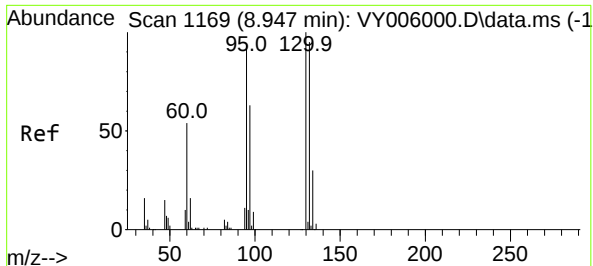
Delta R.T. -0.110 min

Lab File: VY006057.D

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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 12856  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 4.7   | 77.9  | 116.9# |
| 121      | 0.0   | 24.8  | 37.2#  |

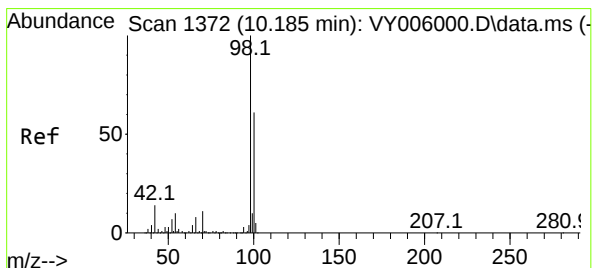
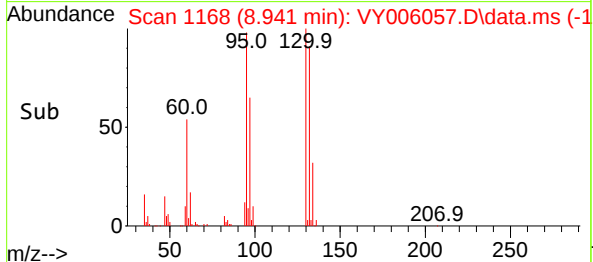
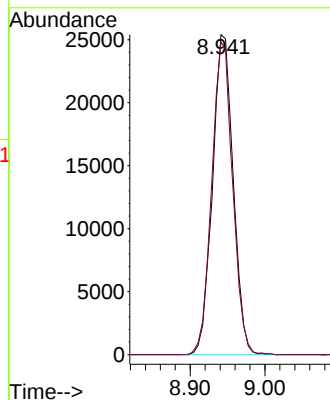
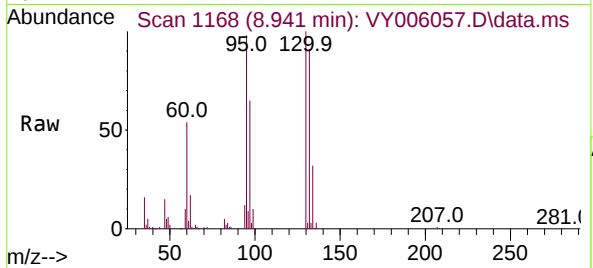




#44  
Trichloroethene  
Concen: 26.709 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. -0.006 min  
Lab File: VY006057.D  
Acq: 16 Sep 2021 18:48

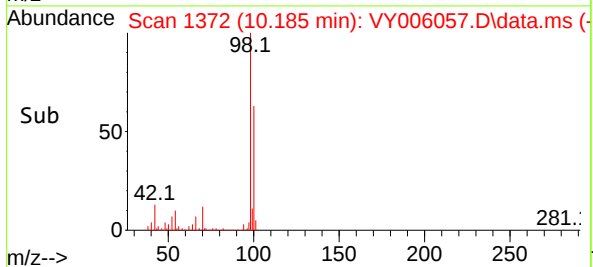
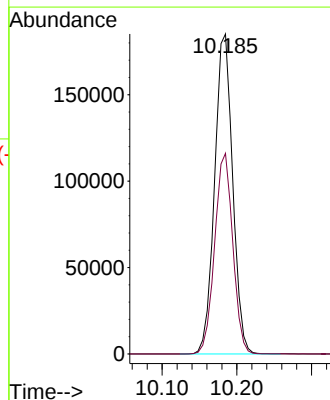
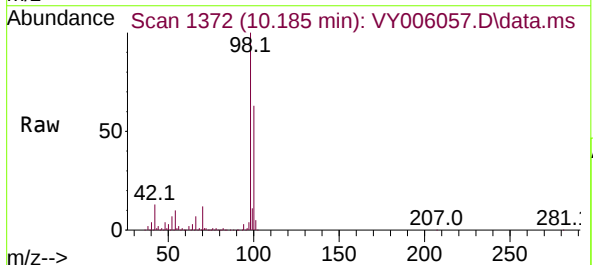
Instrument :  
MSVOA\_Y  
ClientSampleId :  
NAPL-AREA-04-(8-10)-END-POINT

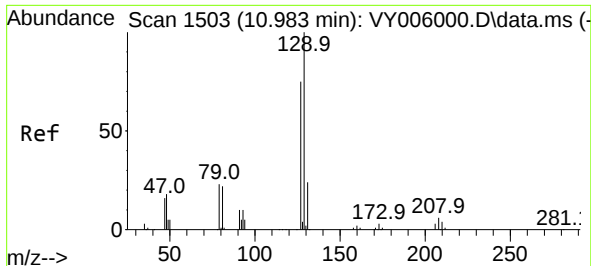
Tgt Ion:130 Resp: 48920  
Ion Ratio Lower Upper  
130 100  
95 97.6 0.0 188.2



#50  
Toluene-d8  
Concen: 49.441 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY006057.D  
Acq: 16 Sep 2021 18:48

Tgt Ion: 98 Resp: 310795  
Ion Ratio Lower Upper  
98 100  
100 62.9 50.2 75.2

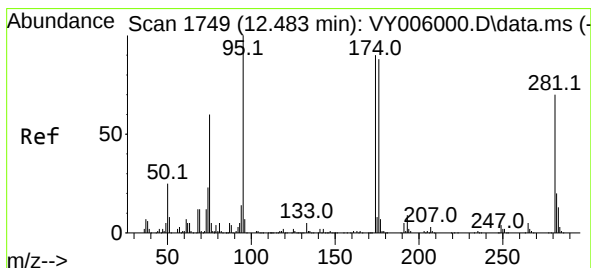
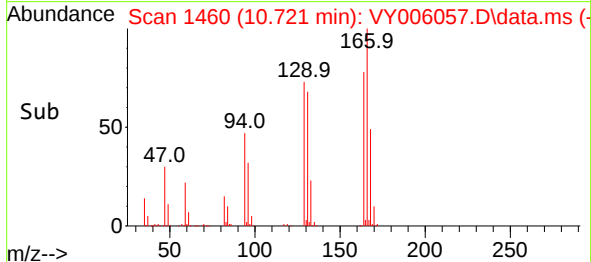
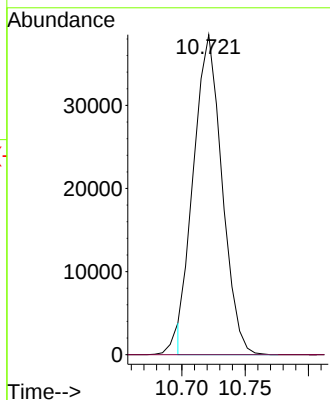
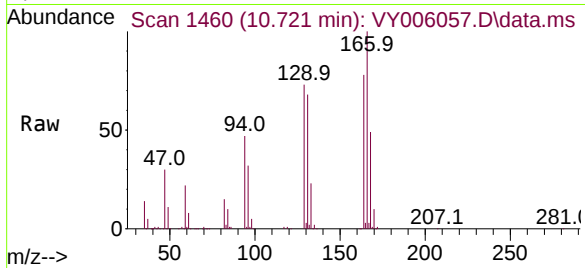




#60  
Dibromochloromethane  
Concen: 36.057 ug/l  
RT: 10.721 min Scan# 1460  
Delta R.T. -0.262 min  
Lab File: VY006057.D  
Acq: 16 Sep 2021 18:48

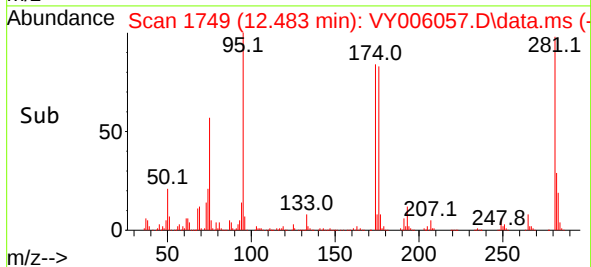
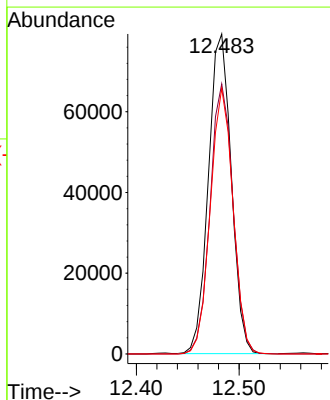
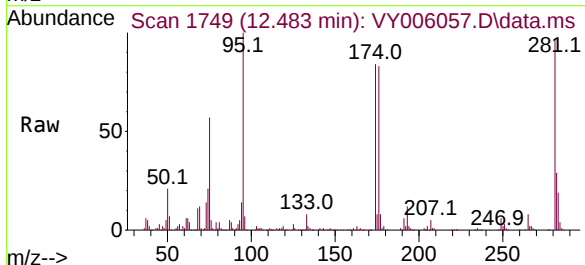
Instrument :  
MSVOA\_Y  
ClientSampleId :  
NAPL-AREA-04-(8-10)-END-POINT

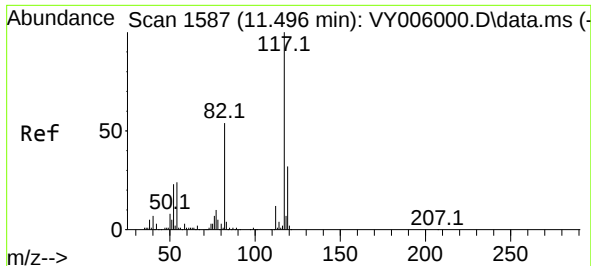
Tgt Ion:129 Resp: 60119  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.7 116.1#



#62  
4-Bromofluorobenzene  
Concen: 57.291 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY006057.D  
Acq: 16 Sep 2021 18:48

Tgt Ion: 95 Resp: 122275  
Ion Ratio Lower Upper  
95 100  
174 84.5 0.0 177.0  
176 82.5 0.0 175.8

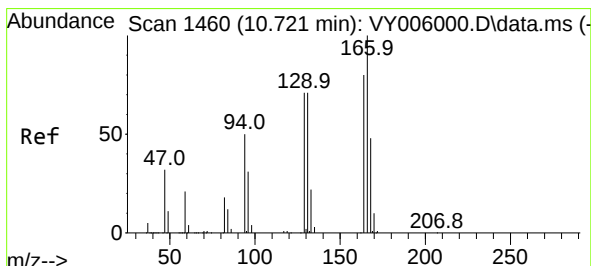
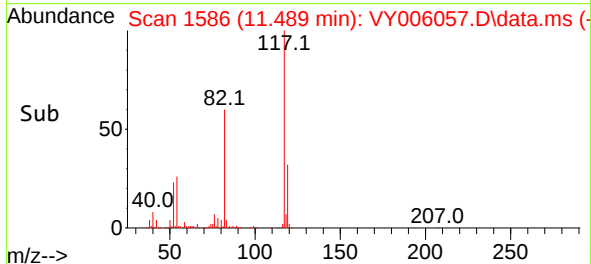
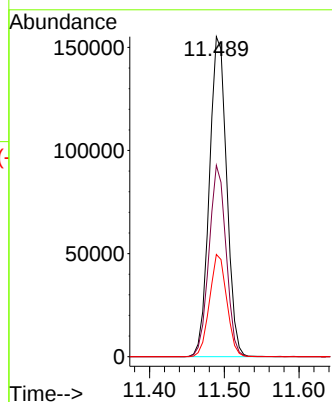
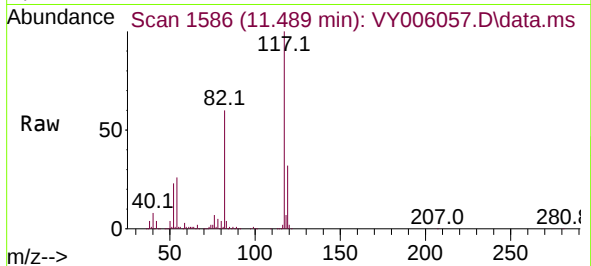




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: VY006057.D  
Acq: 16 Sep 2021 18:48

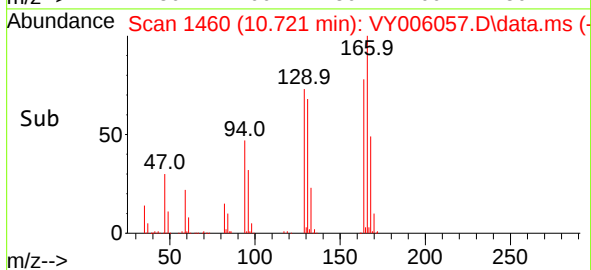
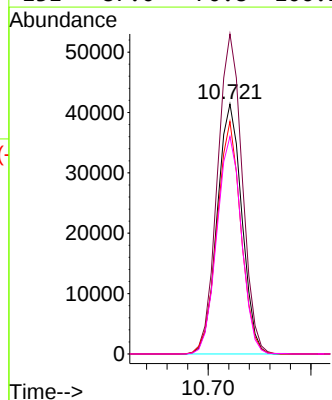
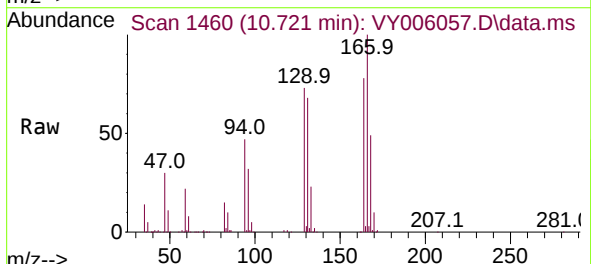
Instrument :  
MSVOA\_Y  
ClientSampleId :  
NAPL-AREA-04-(8-10)-END-POINT

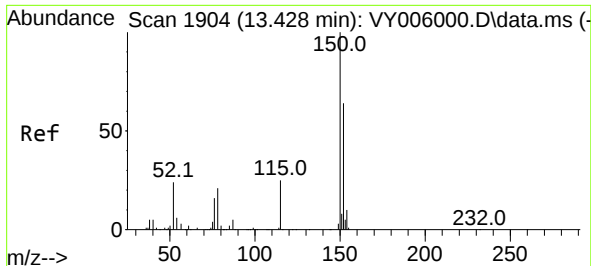
|             |              |
|-------------|--------------|
| Tgt Ion:117 | Resp: 249708 |
| Ion Ratio   | Lower Upper  |
| 117 100     |              |
| 82 59.8     | 43.0 64.4    |
| 119 31.9    | 25.4 38.0    |



#64  
Tetrachloroethene  
Concen: 33.715 ug/l  
RT: 10.721 min Scan# 1460  
Delta R.T. -0.000 min  
Lab File: VY006057.D  
Acq: 16 Sep 2021 18:48

|             |             |
|-------------|-------------|
| Tgt Ion:164 | Resp: 68859 |
| Ion Ratio   | Lower Upper |
| 164 100     |             |
| 166 128.0   | 100.4 150.6 |
| 129 93.0    | 71.4 107.0  |
| 131 87.0    | 70.8 106.2  |

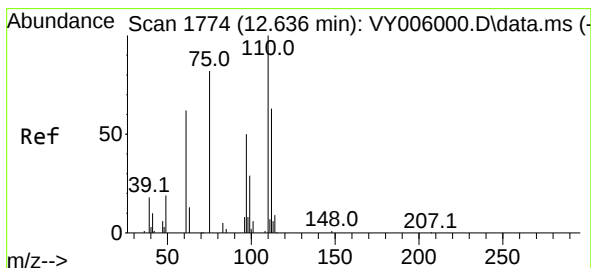
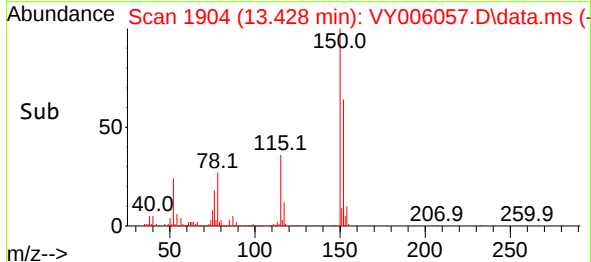
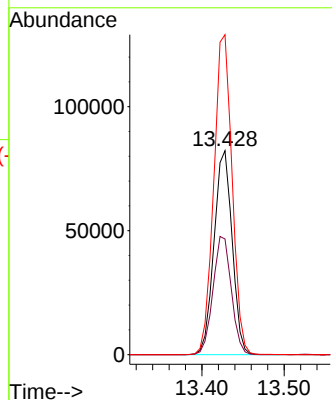
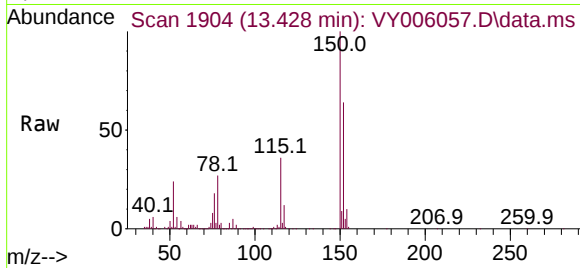




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. -0.000 min  
 Lab File: VY006057.D  
 Acq: 16 Sep 2021 18:48

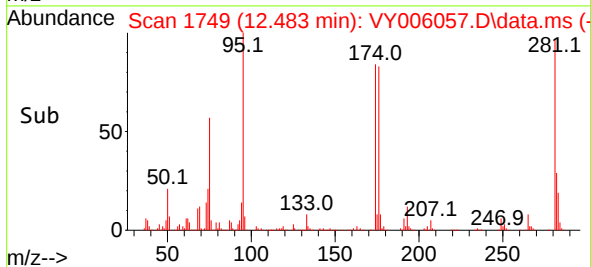
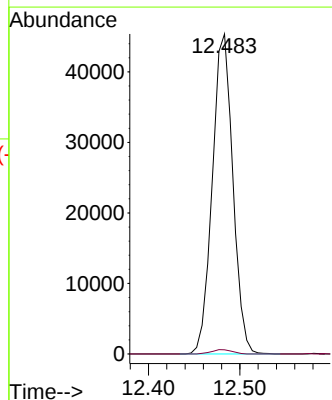
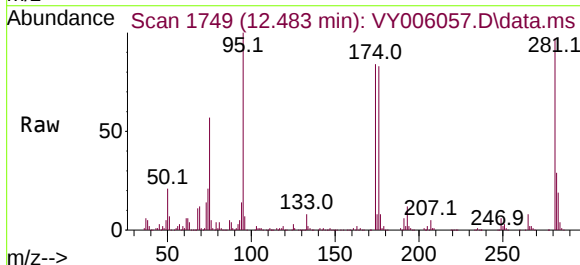
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 NAPL-AREA-04-(8-10)-END-POINT

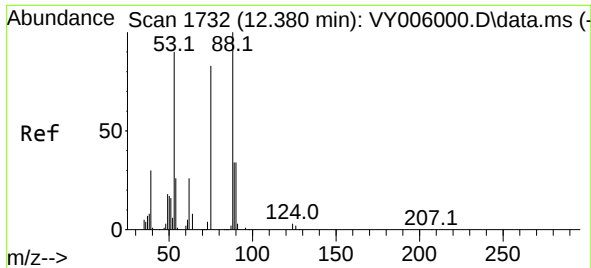
Tgt Ion:152 Resp: 126244  
 Ion Ratio Lower Upper  
 152 100  
 115 58.6 28.2 84.7  
 150 158.3 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 52.571 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.153 min  
 Lab File: VY006057.D  
 Acq: 16 Sep 2021 18:48

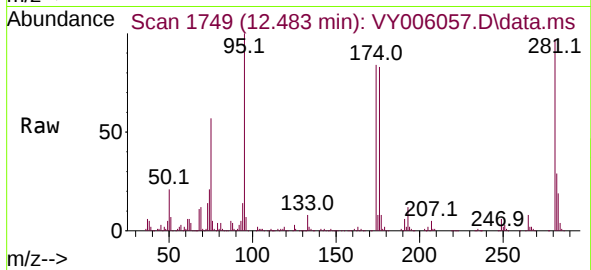
Tgt Ion: 75 Resp: 70760  
 Ion Ratio Lower Upper  
 75 100  
 77 1.4 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 96.652 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. 0.104 min  
 Lab File: VY006057.D  
 Acq: 16 Sep 2021 18:48

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 NAPL-AREA-04-(8-10)-END-POINT



Tgt Ion: 75 Resp: 70760  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 85.3 127.9#  
 89 1.3 37.0 55.4#

