

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082421\  
 Data File : VY005822.D  
 Acq On : 24 Aug 2021 15:32  
 Operator : SY/MD  
 Sample : M3502-01RE  
 Misc : 6.52G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 POST-MAEC-01

Quant Time: Aug 25 04:30:12 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

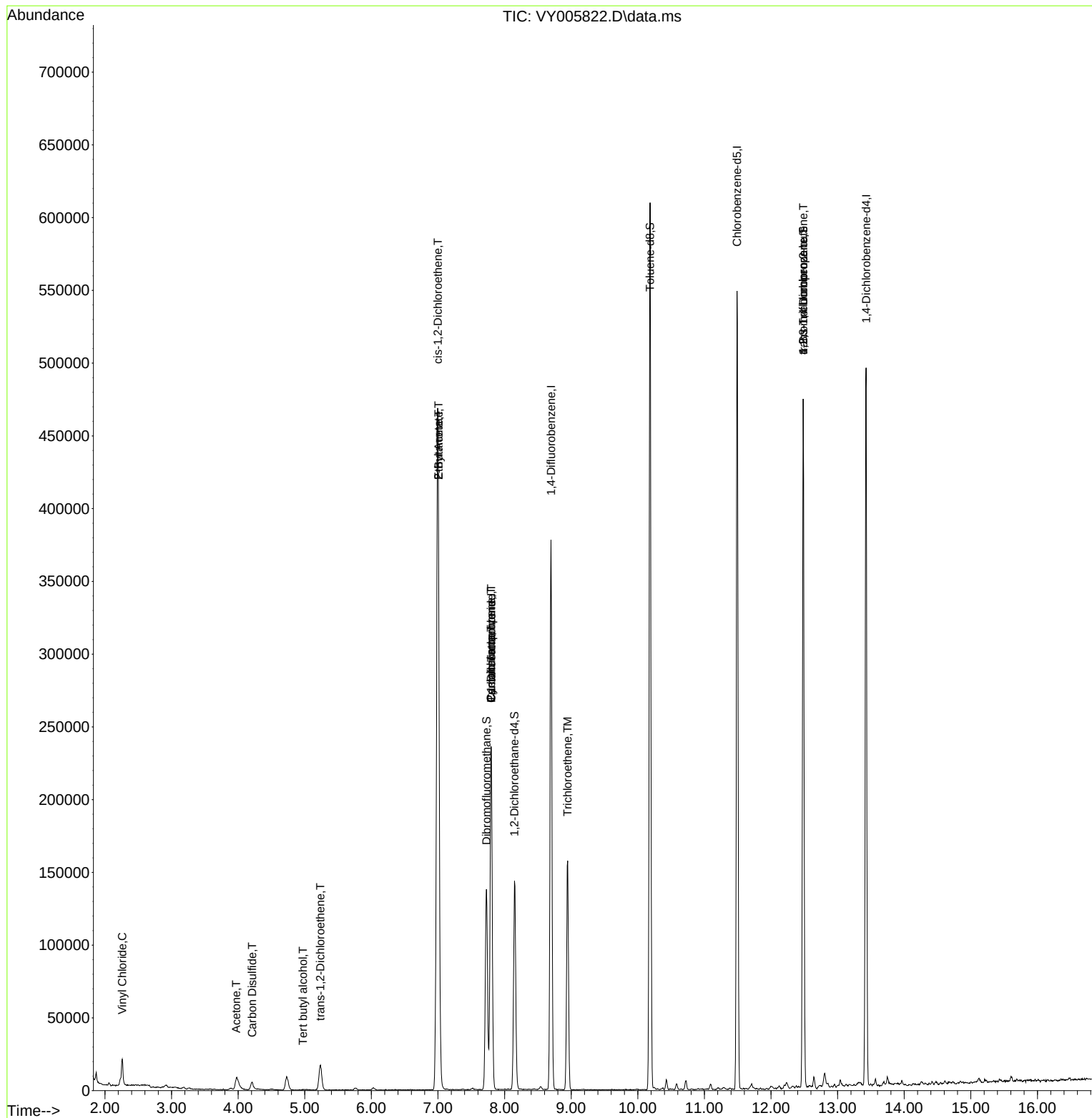
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.801  | 168   | 195535   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 315826   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 295718   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 130078   | 50.000    | ug/l       | 0.00     |
|                               |        |       |          |           |            |          |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.149  | 65    | 119302   | 60.275    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 120.540% |          |
| 35) Dibromofluoromethane      | 7.728  | 113   | 94551    | 53.472    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 106.940% |          |
| 50) Toluene-d8                | 10.185 | 98    | 393031   | 52.999    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 106.000% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 123695   | 50.369    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 100.740% |          |
|                               |        |       |          |           |            |          |
| Target Compounds              |        |       |          |           |            | Qvalue   |
| 4) Vinyl Chloride             | 2.259  | 62    | 18027    | 7.845     | ug/l       | 96       |
| 11) Tert butyl alcohol        | 4.972  | 59    | 630      | 3.220     | ug/l #     | 73       |
| 16) Acetone                   | 3.972  | 43    | 21925    | 43.935    | ug/l       | 91       |
| 17) Carbon Disulfide          | 4.210  | 76    | 10452    | 2.012     | ug/l #     | 93       |
| 20) Methylene Chloride        | 4.728  | 84    | 6836     | Below Cal |            | 95       |
| 21) trans-1,2-Dichloroethene  | 5.234  | 96    | 11382    | 6.041     | ug/l       | 94       |
| 25) 2-Butanone                | 7.008  | 43    | 2149     | 2.913     | ug/l #     | 1        |
| 27) cis-1,2-Dichloroethene    | 6.996  | 96    | 293322   | 136.890   | ug/l       | 92       |
| 31) Cyclohexane               | 7.795  | 56    | 4012     | 1.182     | ug/l #     | 14       |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 13923    | 4.700     | ug/l #     | 49       |
| 37) Ethyl Acetate             | 7.008  | 43    | 2149     | 1.198     | ug/l #     | 1        |
| 38) Carbon Tetrachloride      | 7.801  | 117   | 17736    | 5.509     | ug/l #     | 17       |
| 44) Trichloroethene           | 8.947  | 130   | 57024    | 24.630    | ug/l       | 99       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 68213    | 50.604    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 68213    | 102.011   | ug/l #     | 11       |
| -----                         |        |       |          |           |            |          |

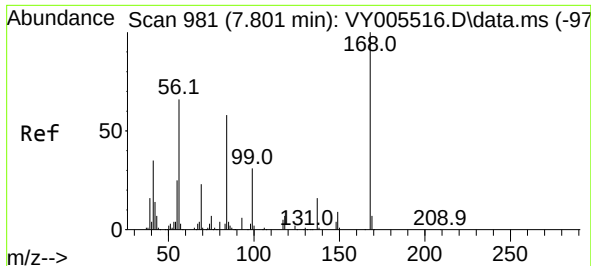
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082421\  
Data File : VY005822.D  
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Sample : M3502-01RE  
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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Quant Time: Aug 25 04:30:12 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

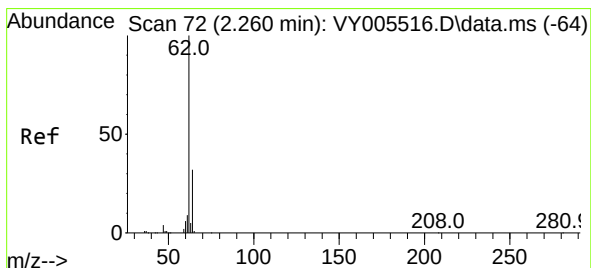
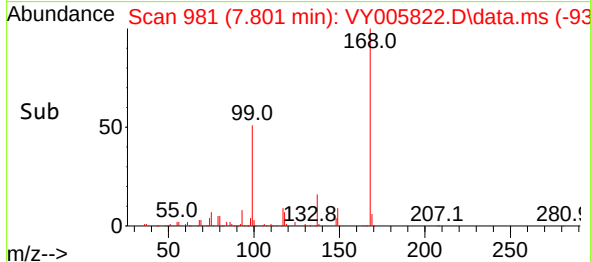
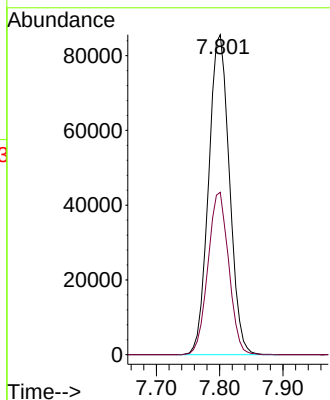
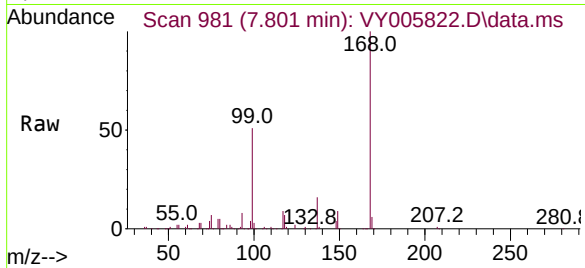




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY005822.D  
Acq: 24 Aug 2021 15:32

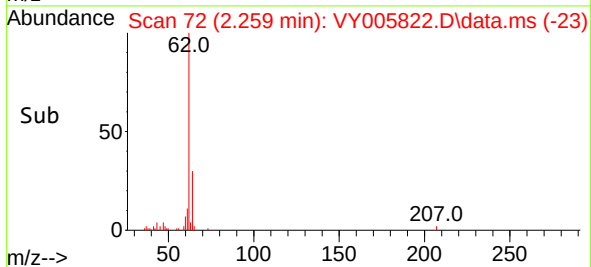
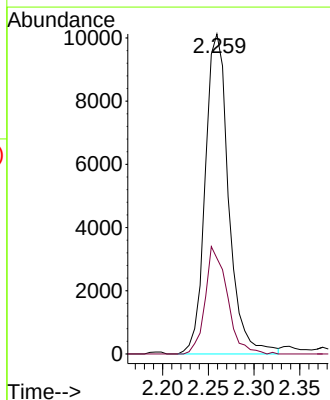
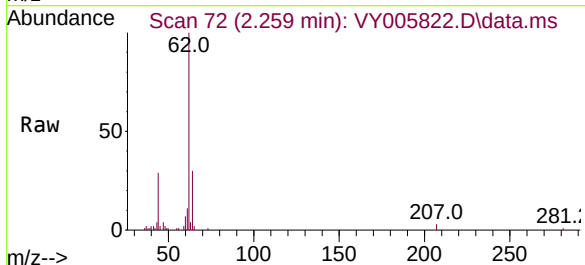
Instrument :  
MSVOA\_Y  
ClientSampleId :  
POST-MAEC-01

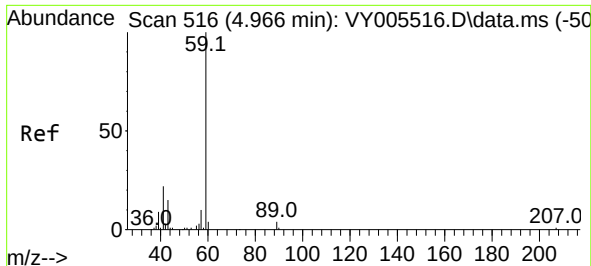
Tgt Ion:168 Resp: 195535  
Ion Ratio Lower Upper  
168 100  
99 50.8 38.9 58.3



#4  
Vinyl Chloride  
Concen: 7.845 ug/l  
RT: 2.259 min Scan# 72  
Delta R.T. -0.000 min  
Lab File: VY005822.D  
Acq: 24 Aug 2021 15:32

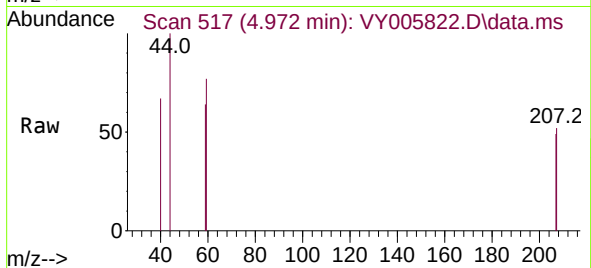
Tgt Ion: 62 Resp: 18027  
Ion Ratio Lower Upper  
62 100  
64 29.9 25.9 38.9



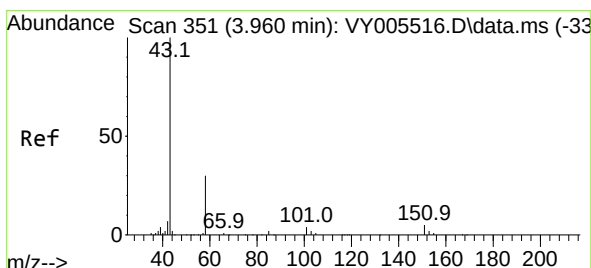
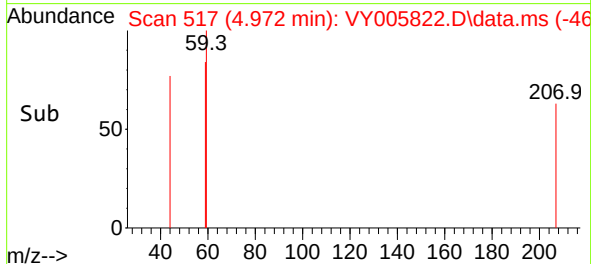
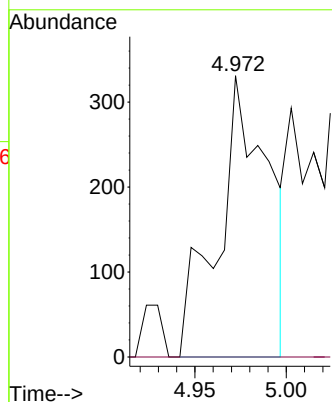


#11  
Tert butyl alcohol  
Concen: 3.220 ug/l  
RT: 4.972 min Scan# 517  
Delta R.T. 0.006 min  
Lab File: VY005822.D  
Acq: 24 Aug 2021 15:32

Instrument :  
MSVOA\_Y  
ClientSampleId :  
POST-MAEC-01

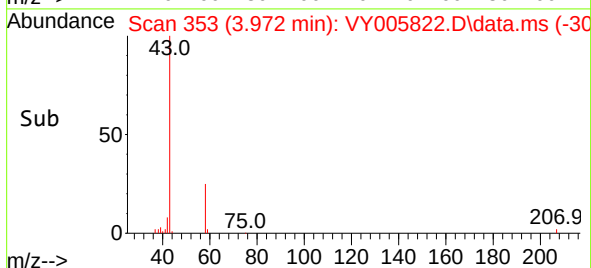
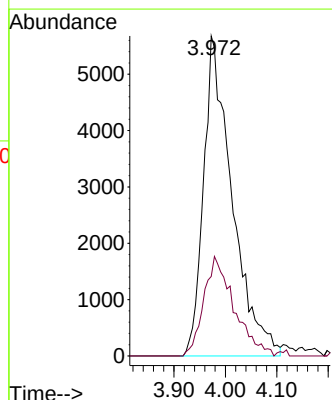
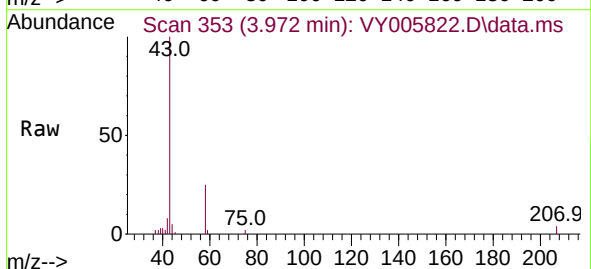


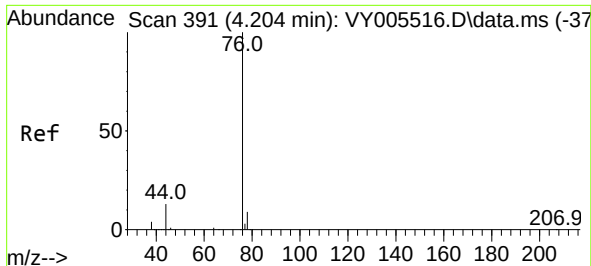
Tgt Ion: 59 Resp: 630  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.0 12.0#



#16  
Acetone  
Concen: 43.935 ug/l  
RT: 3.972 min Scan# 353  
Delta R.T. 0.012 min  
Lab File: VY005822.D  
Acq: 24 Aug 2021 15:32

Tgt Ion: 43 Resp: 21925  
Ion Ratio Lower Upper  
43 100  
58 24.9 23.8 35.6

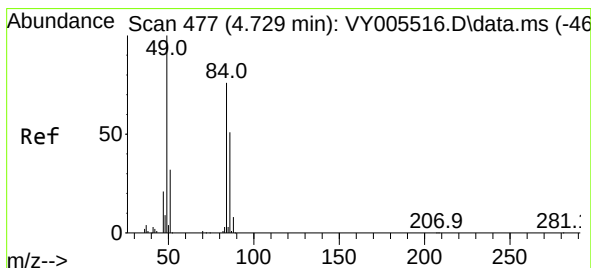
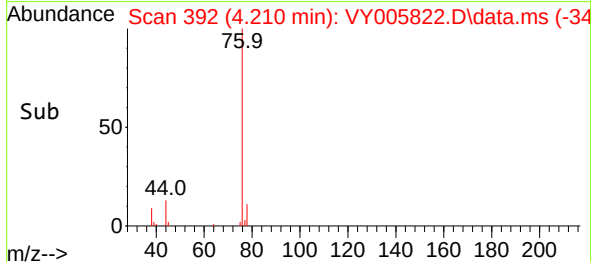
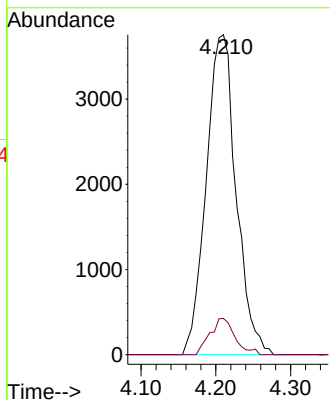
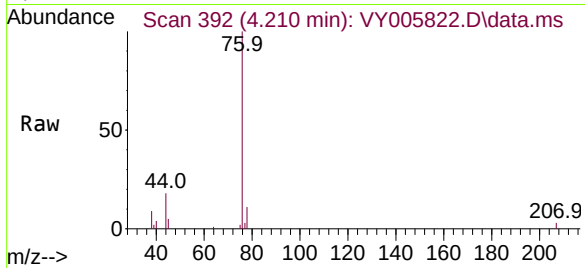




#17  
Carbon Disulfide  
Concen: 2.012 ug/l  
RT: 4.210 min Scan# 392  
Delta R.T. 0.006 min  
Lab File: VY005822.D  
Acq: 24 Aug 2021 15:32

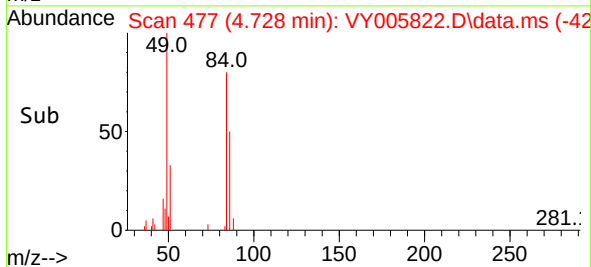
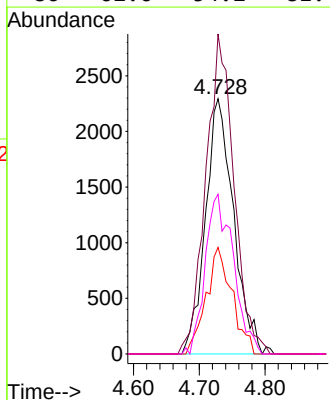
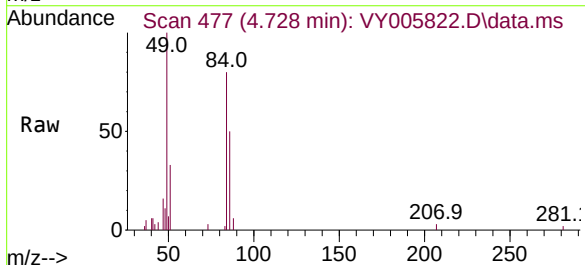
Instrument :  
MSVOA\_Y  
ClientSampleId :  
POST-MAEC-01

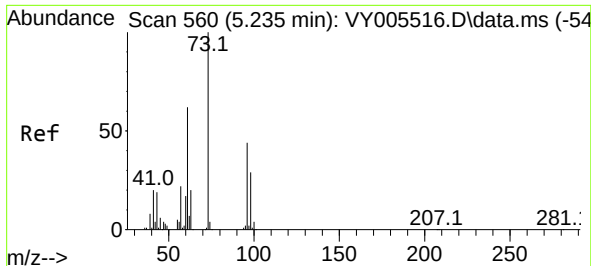
Tgt Ion: 76 Resp: 10452  
Ion Ratio Lower Upper  
76 100  
78 11.3 7.0 10.6#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.728 min Scan# 477  
Delta R.T. -0.001 min  
Lab File: VY005822.D  
Acq: 24 Aug 2021 15:32

Tgt Ion: 84 Resp: 6836  
Ion Ratio Lower Upper  
84 100  
49 125.4 105.8 158.6  
51 41.8 33.4 50.2  
86 62.6 54.2 81.4

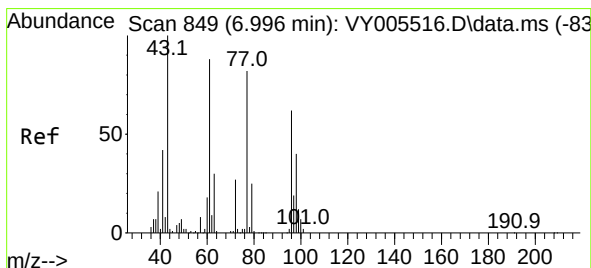
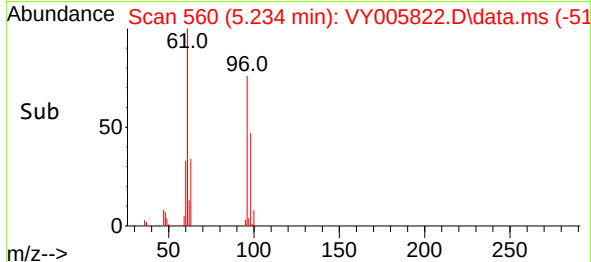
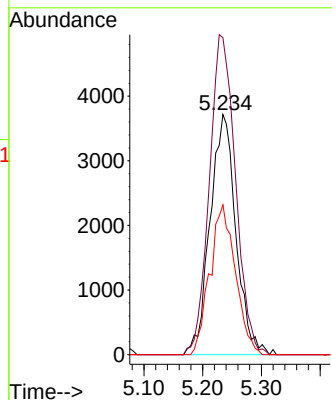
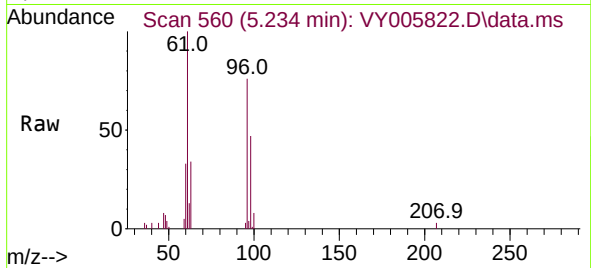




#21  
trans-1,2-Dichloroethene  
Concen: 6.041 ug/l  
RT: 5.234 min Scan# 560  
Delta R.T. -0.000 min  
Lab File: VY005822.D  
Acq: 24 Aug 2021 15:32

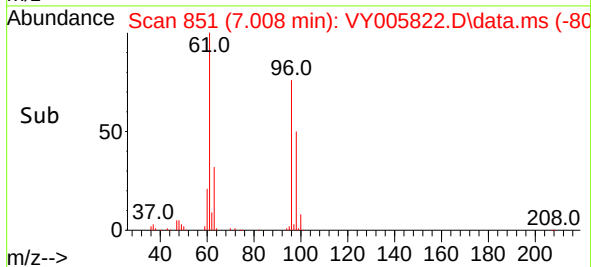
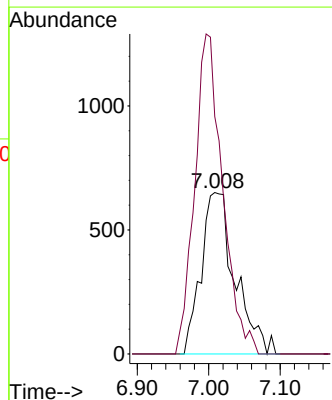
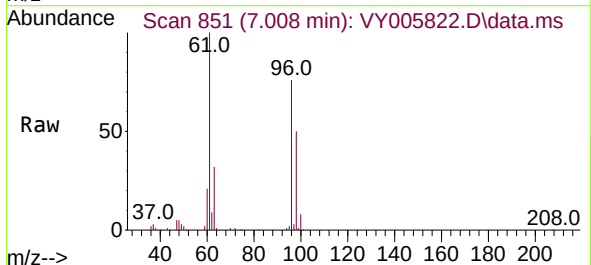
Instrument :  
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POST-MAEC-01

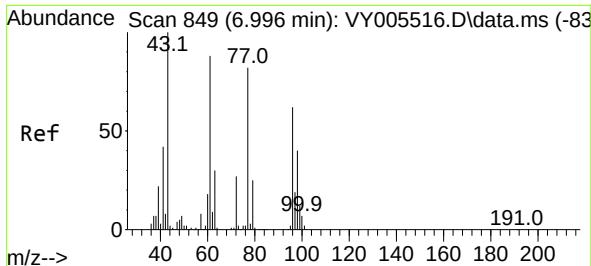
Tgt Ion: 96 Resp: 11382  
Ion Ratio Lower Upper  
96 100  
61 132.0 112.6 168.8  
98 62.4 52.2 78.4



#25  
2-Butanone  
Concen: 2.913 ug/l  
RT: 7.008 min Scan# 851  
Delta R.T. 0.012 min  
Lab File: VY005822.D  
Acq: 24 Aug 2021 15:32

Tgt Ion: 43 Resp: 2149  
Ion Ratio Lower Upper  
43 100  
72 147.0 21.4 32.2#





#27

cis-1,2-Dichloroethene

Concen: 136.890 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY005822.D

Acq: 24 Aug 2021 15:32

Instrument :

MSVOA\_Y

ClientSampleId :

POST-MAEC-01

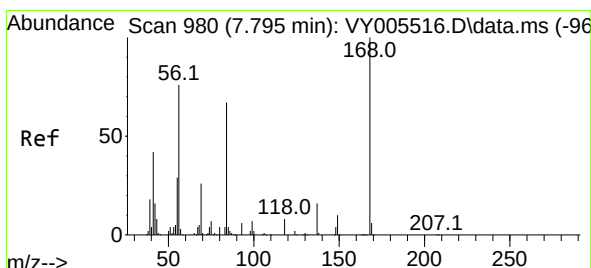
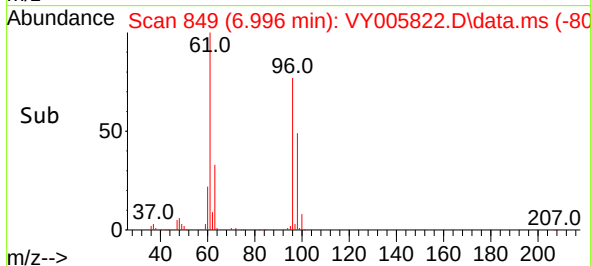
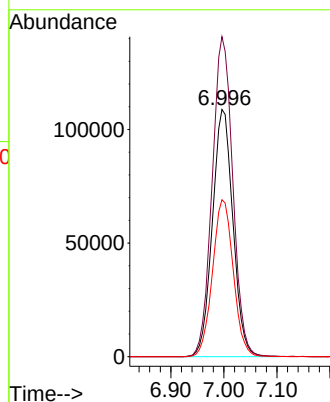
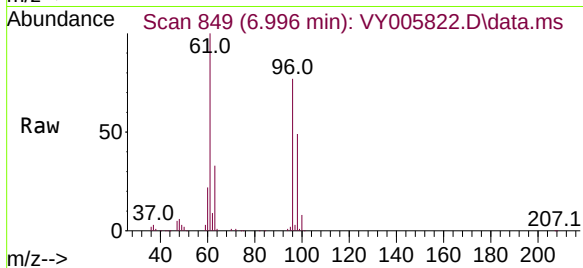
Tgt Ion: 96 Resp: 293322

Ion Ratio Lower Upper

96 100

61 129.8 0.0 290.0

98 64.1 0.0 128.0



#31

Cyclohexane

Concen: 1.182 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.000 min

Lab File: VY005822.D

Acq: 24 Aug 2021 15:32

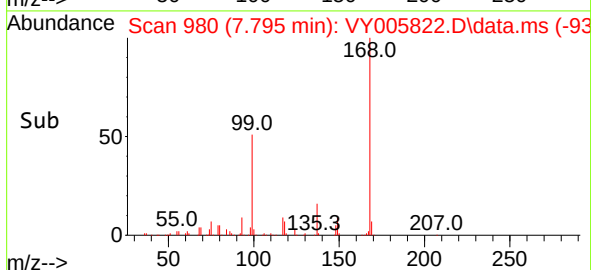
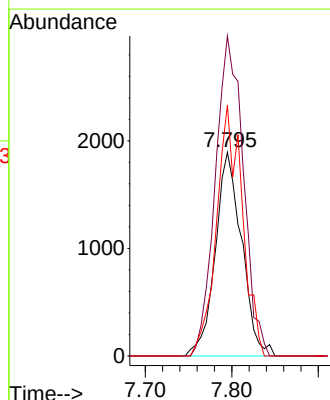
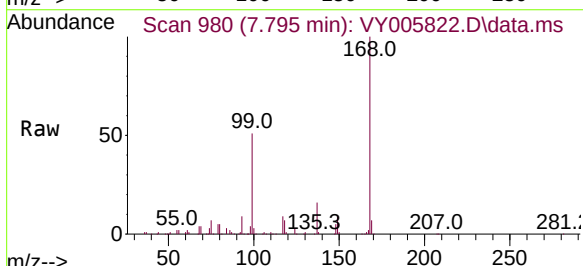
Tgt Ion: 56 Resp: 4012

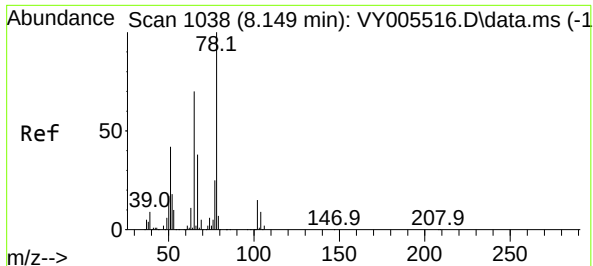
Ion Ratio Lower Upper

56 100

69 157.2 27.7 41.5#

84 123.2 70.9 106.3#

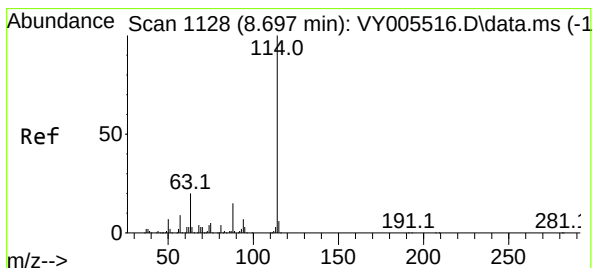
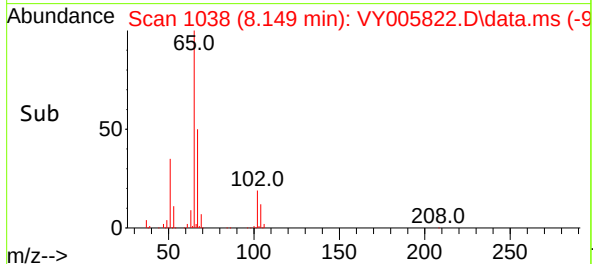
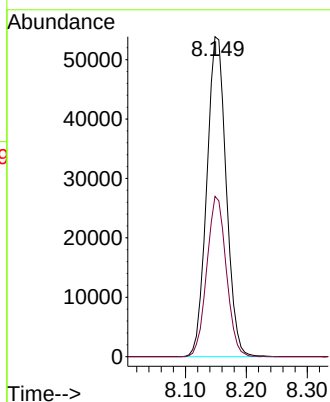
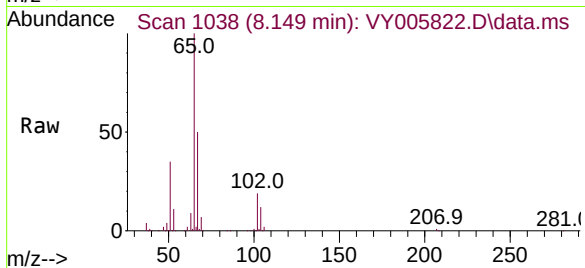




#33  
1,2-Dichloroethane-d4  
Concen: 60.275 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005822.D  
Acq: 24 Aug 2021 15:32

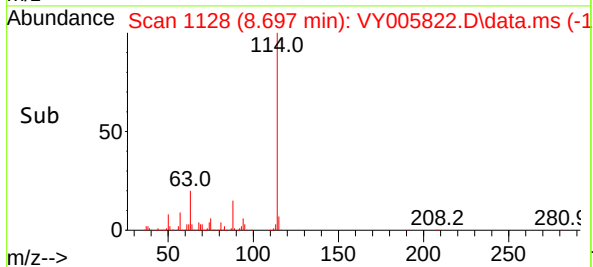
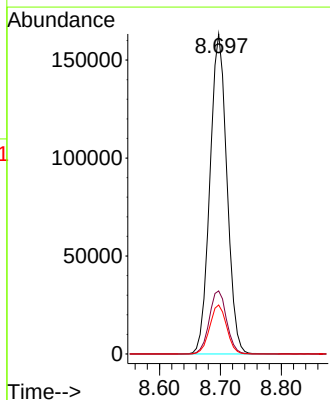
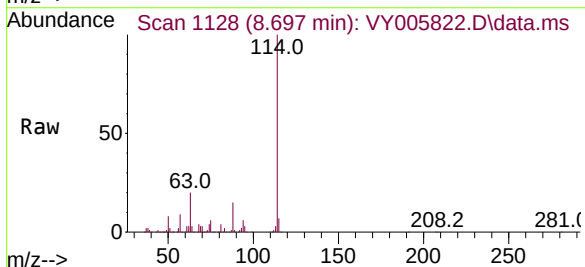
Instrument :  
MSVOA\_Y  
ClientSampleId :  
POST-MAEC-01

Tgt Ion: 65 Resp: 119302  
Ion Ratio Lower Upper  
65 100  
67 50.2 0.0 103.4

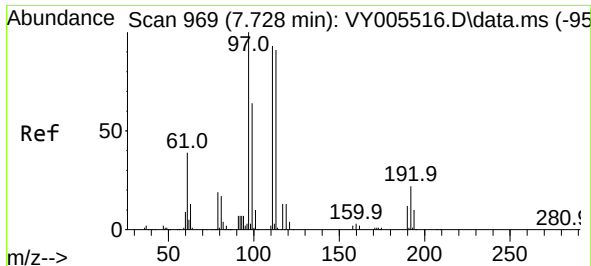


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005822.D  
Acq: 24 Aug 2021 15:32

Tgt Ion: 114 Resp: 315826  
Ion Ratio Lower Upper  
114 100  
63 19.7 0.0 39.2  
88 15.3 0.0 30.8



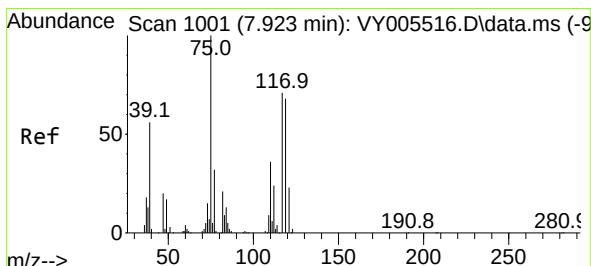
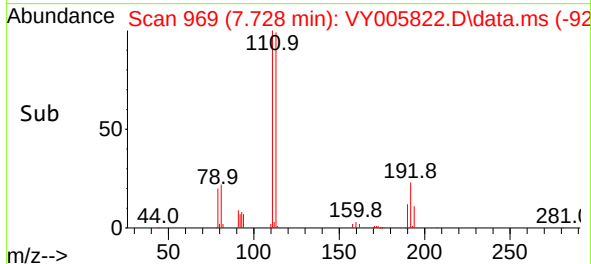
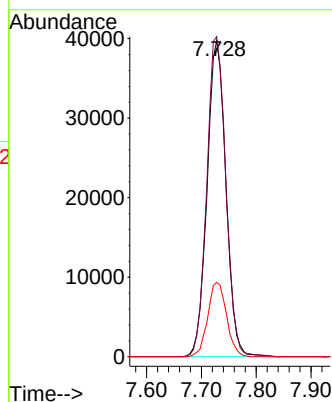
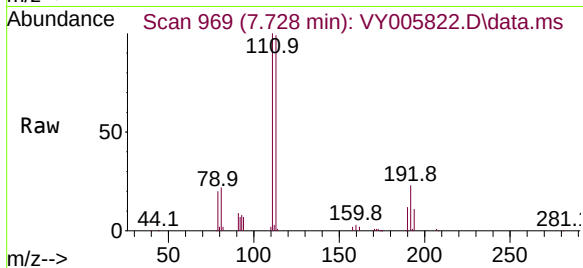




#35  
Dibromofluoromethane  
Concen: 53.472 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY005822.D  
Acq: 24 Aug 2021 15:32

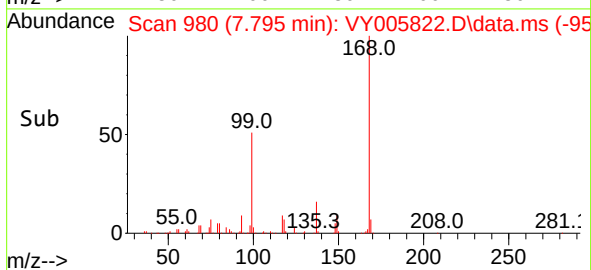
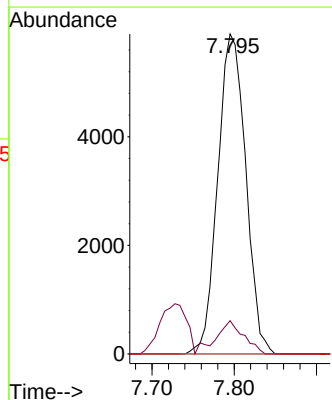
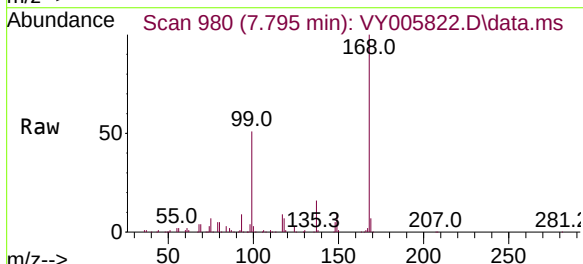
Instrument :  
MSVOA\_Y  
ClientSampleId :  
POST-MAEC-01

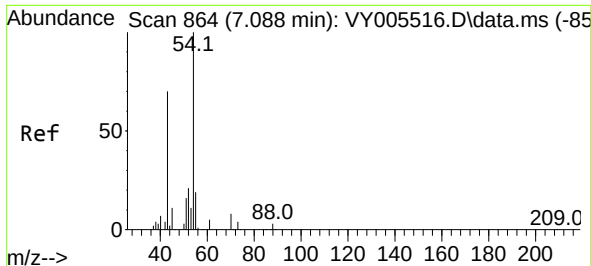
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 94551 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.5 | 81.9  | 122.9 |
| 192      | 23.5  | 19.2  | 28.8  |



#36  
1,1-Dichloropropene  
Concen: 4.700 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.128 min  
Lab File: VY005822.D  
Acq: 24 Aug 2021 15:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 13923 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.3   | 18.1  | 54.1# |
| 77       | 0.0   | 25.1  | 37.7# |





#37

Ethyl Acetate

Concen: 1.198 ug/l

RT: 7.008 min Scan# 851

Delta R.T. -0.079 min

Lab File: VY005822.D

Acq: 24 Aug 2021 15:32

Instrument :

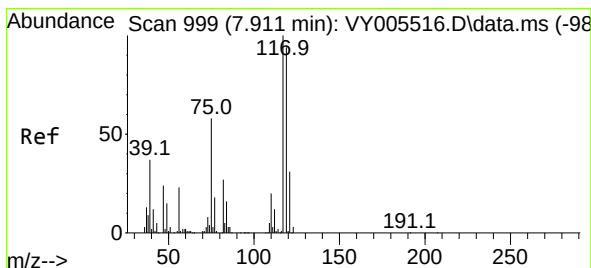
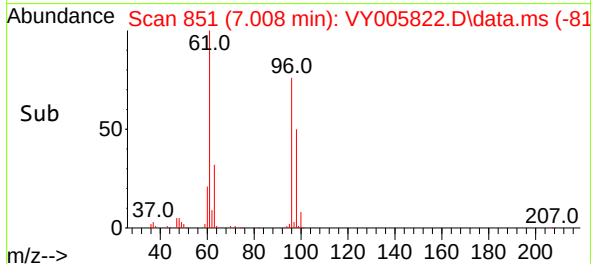
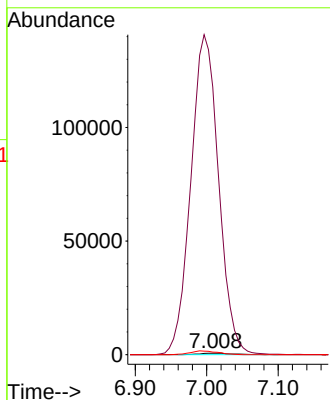
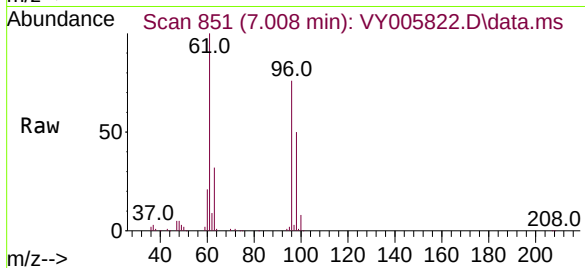
MSVOA\_Y

ClientSampleId :

POST-MAEC-01

Tgt Ion: 43 Resp: 2149

| Ion | Ratio   | Lower | Upper |
|-----|---------|-------|-------|
| 43  | 100     |       |       |
| 61  | 17721.7 | 10.6  | 15.8# |
| 70  | 207.0   | 8.6   | 13.0# |



#38

Carbon Tetrachloride

Concen: 5.509 ug/l

RT: 7.801 min Scan# 981

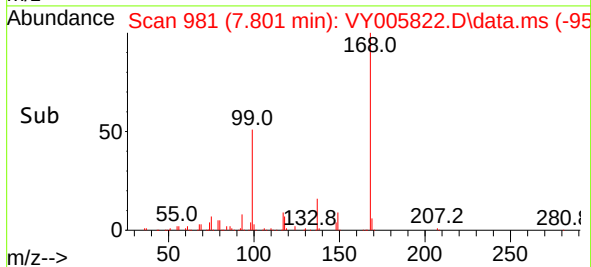
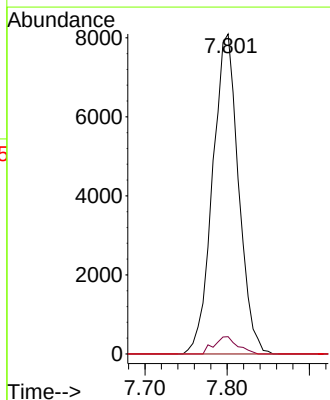
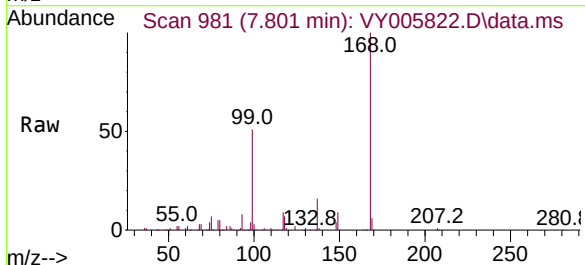
Delta R.T. -0.110 min

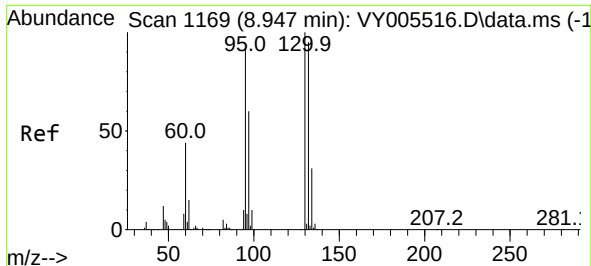
Lab File: VY005822.D

Acq: 24 Aug 2021 15:32

Tgt Ion: 117 Resp: 17736

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 117 | 100   |       |        |
| 119 | 5.4   | 75.4  | 113.0# |
| 121 | 0.0   | 25.1  | 37.7#  |

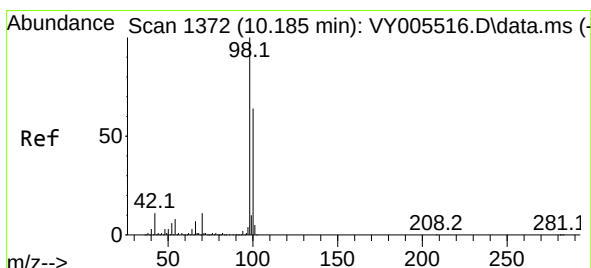
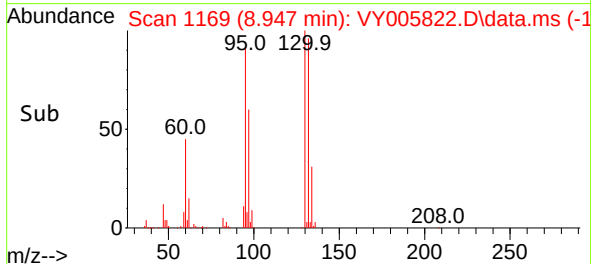
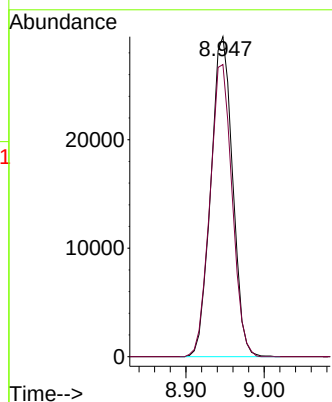
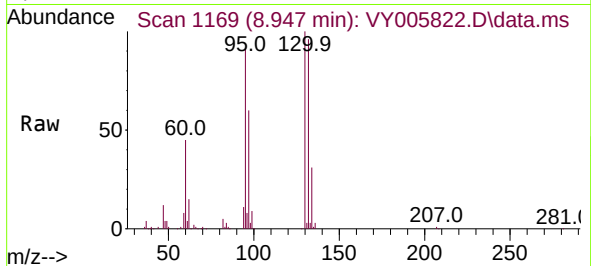




#44  
Trichloroethene  
Concen: 24.630 ug/l  
RT: 8.947 min Scan# 1169  
Delta R.T. -0.000 min  
Lab File: VY005822.D  
Acq: 24 Aug 2021 15:32

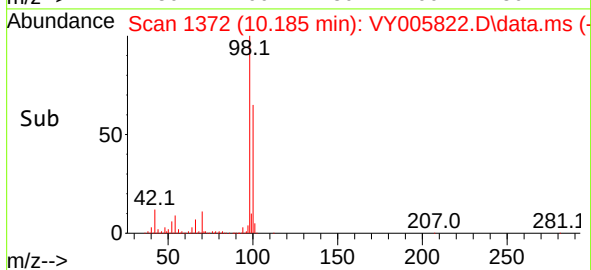
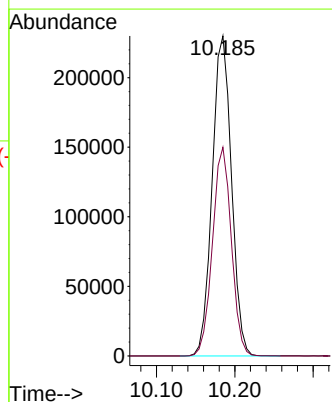
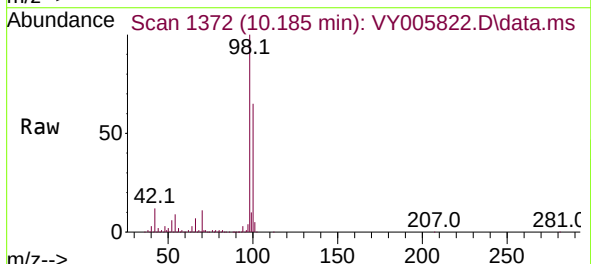
Instrument :  
MSVOA\_Y  
ClientSampleId :  
POST-MAEC-01

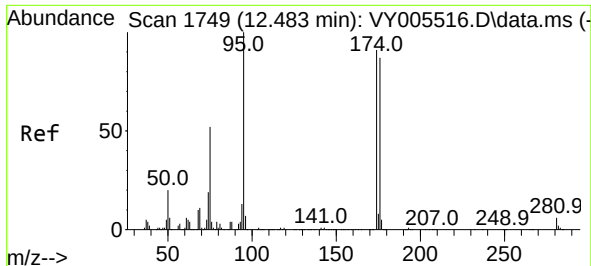
Tgt Ion:130 Resp: 57024  
Ion Ratio Lower Upper  
130 100  
95 91.3 0.0 185.0



#50  
Toluene-d8  
Concen: 52.999 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005822.D  
Acq: 24 Aug 2021 15:32

Tgt Ion: 98 Resp: 393031  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.3 76.9

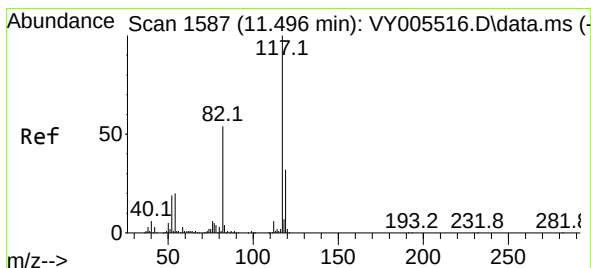
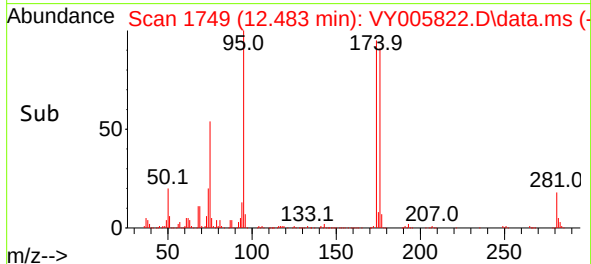
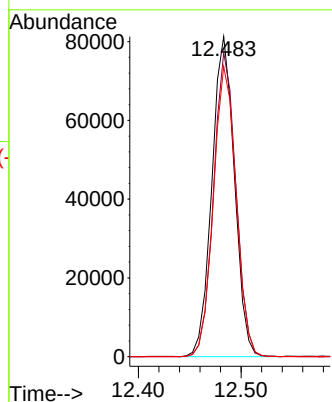
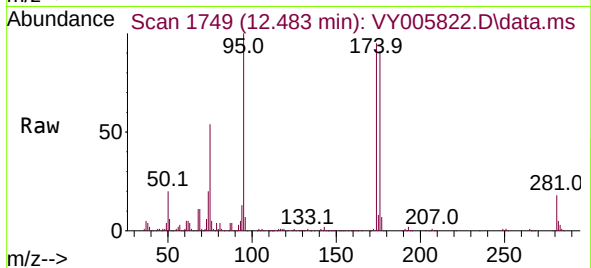




#62  
4-Bromofluorobenzene  
Concen: 50.369 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005822.D  
Acq: 24 Aug 2021 15:32

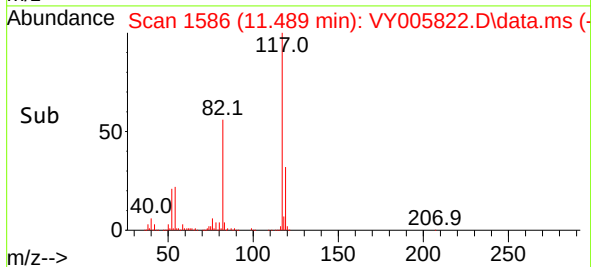
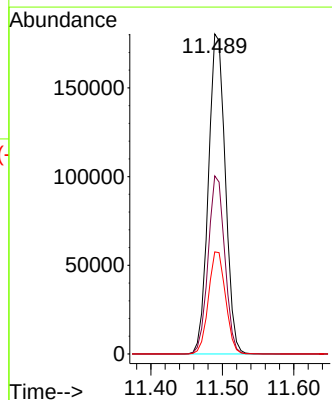
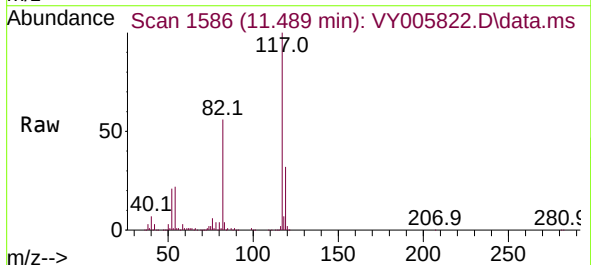
Instrument :  
MSVOA\_Y  
ClientSampleId :  
POST-MAEC-01

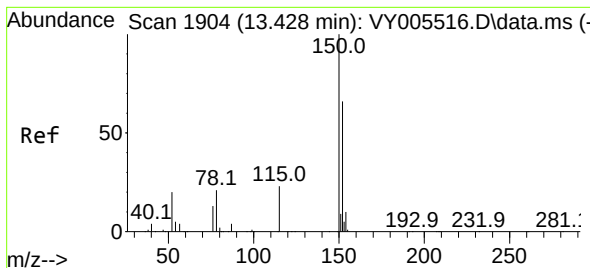
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 95    | Resp: | 123695 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 94.4  | 0.0   | 191.4  |
| 176       | 91.3  | 0.0   | 183.6  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: VY005822.D  
Acq: 24 Aug 2021 15:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 295718 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 55.7  | 43.5  | 65.3   |
| 119       | 31.9  | 25.5  | 38.3   |

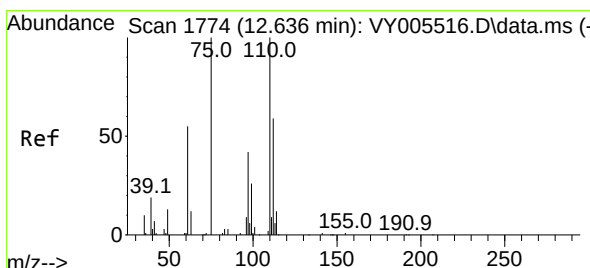
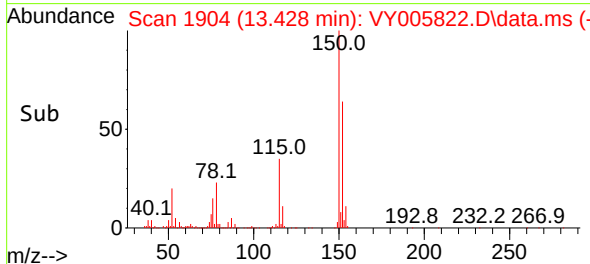
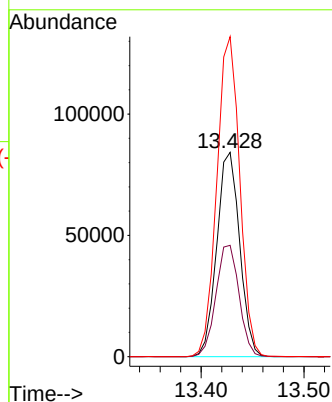
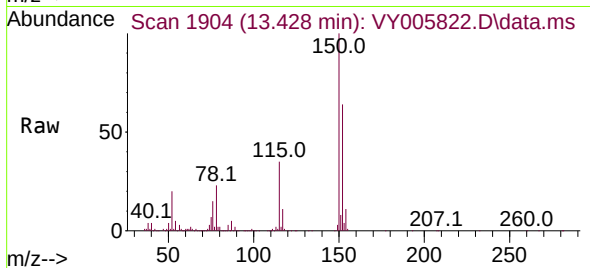




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY005822.D  
Acq: 24 Aug 2021 15:32

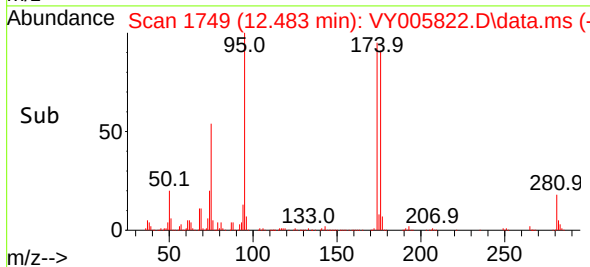
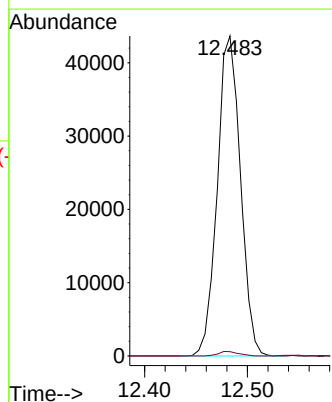
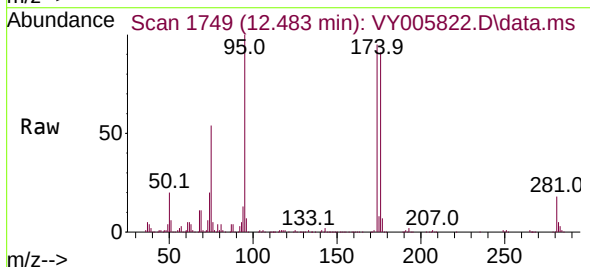
Instrument :  
MSVOA\_Y  
ClientSampleId :  
POST-MAEC-01

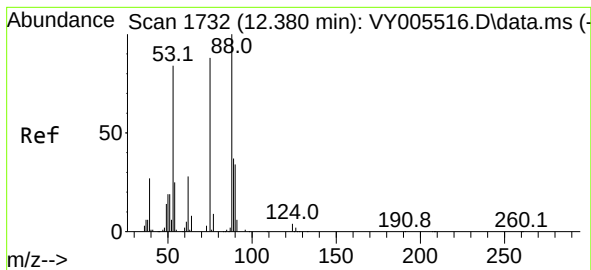
Tgt Ion:152 Resp: 130078  
Ion Ratio Lower Upper  
152 100  
115 55.3 27.3 81.9  
150 156.9 0.0 350.2



#76  
1,2,3-Trichloropropane  
Concen: 50.604 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY005822.D  
Acq: 24 Aug 2021 15:32

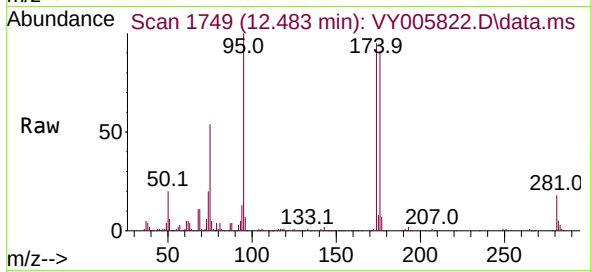
Tgt Ion: 75 Resp: 68213  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 102.011 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. 0.103 min  
 Lab File: VY005822.D  
 Acq: 24 Aug 2021 15:32

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 POST-MAEC-01



Tgt Ion: 75 Resp: 68213  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 76.7 115.1#  
 89 0.1 38.4 57.6#

