

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU022221\  
 Data File : VU042404.D  
 Acq On : 22 Feb 2021 18:43  
 Operator : SY/MD  
 Sample : PB134750ZHE#03  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Feb 23 01:05:37 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U021721W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 19 02:55:52 2021  
 Response via : Initial Calibration

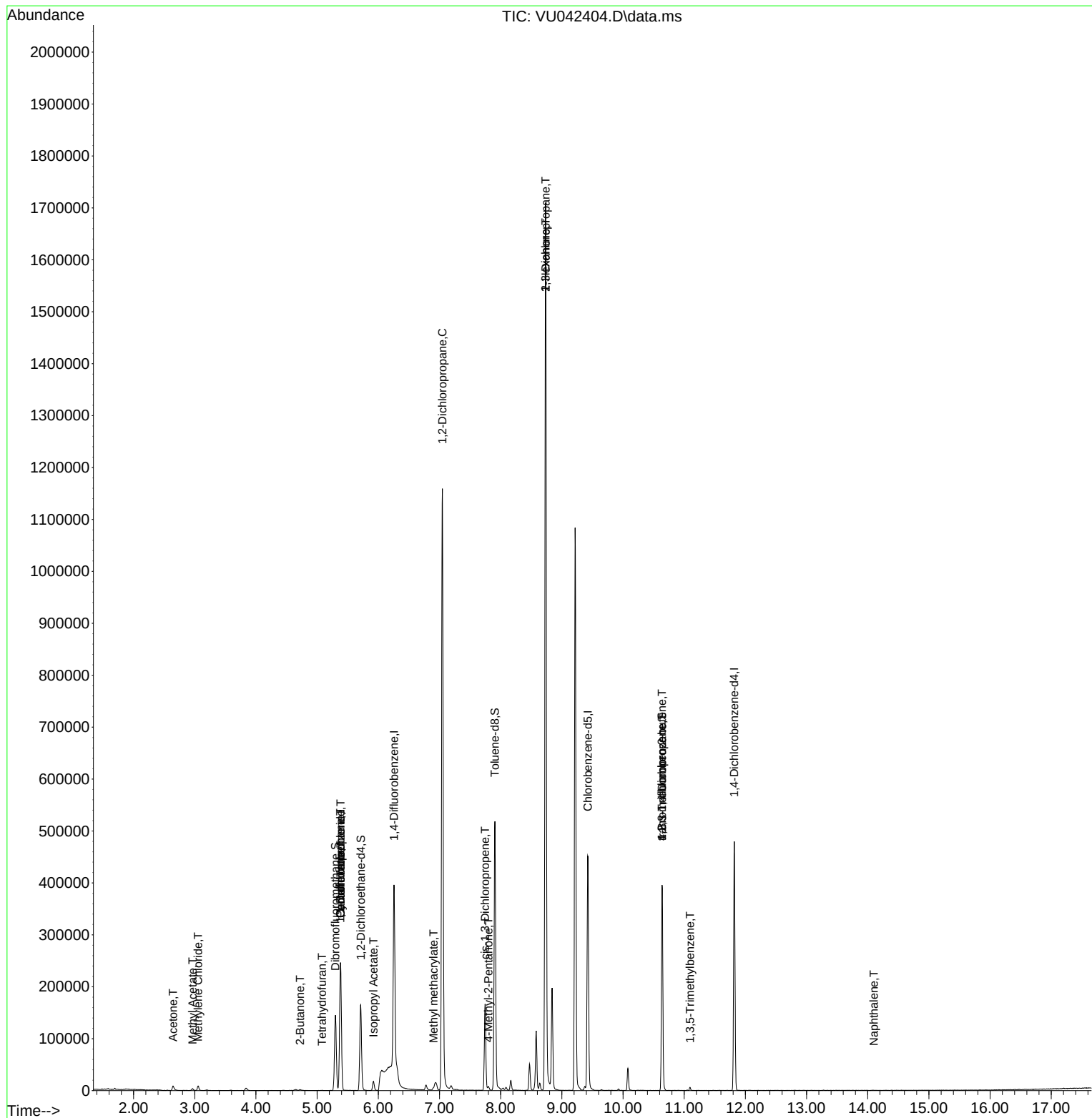
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards            |        |      |          |       |        |          |
| 1) Pentafluorobenzene         | 5.382  | 168  | 173427   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.256  | 114  | 264625   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 9.423  | 117  | 240422   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.819 | 152  | 116168   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.713  | 65   | 127071   | 48.31 | ug/l   | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =     | 96.62% |          |
| 35) Dibromofluoromethane      | 5.298  | 113  | 90227    | 48.31 | ug/l   | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =     | 96.62% |          |
| 50) Toluene-d8                | 7.906  | 98   | 325724   | 48.69 | ug/l   | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =     | 97.38% |          |
| 62) 4-Bromofluorobenzene      | 10.639 | 95   | 120596   | 45.74 | ug/l   | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =     | 91.48% |          |
| Target Compounds              |        |      |          |       |        |          |
|                               |        |      |          |       | Qvalue |          |
| 16) Acetone                   | 2.645  | 43   | 13775    | 8.44  | ug/l   | 98       |
| 18) Methyl Acetate            | 2.964  | 43   | 5094     | 1.72  | ug/l # | 90       |
| 20) Methylene Chloride        | 3.054  | 84   | 3793     | 2.02  | ug/l   | 88       |
| 25) 2-Butanone                | 4.723  | 43   | 3433     | 1.58  | ug/l # | 86       |
| 29) Tetrahydrofuran           | 5.079  | 42   | 455      | 0.34  | ug/l # | 37       |
| 31) Cyclohexane               | 5.382  | 56   | 4176     | 1.21  | ug/l # | 14       |
| 36) 1,1-Dichloropropene       | 5.378  | 75   | 13476    | 5.15  | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.382  | 117  | 17300    | 6.19  | ug/l # | 17       |
| 43) Isopropyl Acetate         | 5.922  | 43   | 20146    | 3.37  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 7.047  | 63   | 1203     | 0.59  | ug/l # | 43       |
| 48) Methyl methacrylate       | 6.902  | 41   | 7265     | 2.46  | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 7.800  | 43   | 4331     | 1.07  | ug/l   | 93       |
| 54) cis-1,3-Dichloropropene   | 7.745  | 75   | 26560    | 8.15  | ug/l # | 63       |
| 57) 1,3-Dichloropropane       | 8.735  | 76   | 16027    | 4.87  | ug/l # | 43       |
| 59) 2-Hexanone                | 8.735  | 43   | 272215   | 84.21 | ug/l # | 53       |
| 76) 1,2,3-Trichloropropane    | 10.639 | 75   | 67825    | 23.61 | ug/l # | 37       |
| 80) 1,3,5-Trimethylbenzene    | 11.095 | 105  | 3543     | 0.53  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 10.639 | 75   | 67825    | 64.20 | ug/l # | 7        |
| 95) Naphthalene               | 14.102 | 128  | 396      | 2.26  | ug/l # | 69       |

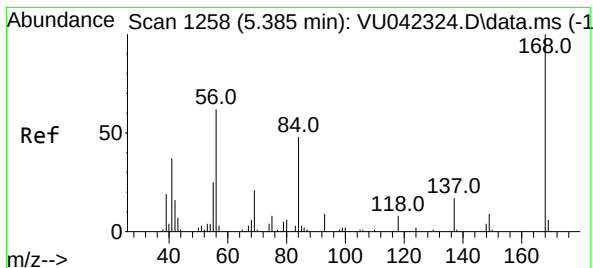
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU022221\  
Data File : VU042404.D  
Acq On : 22 Feb 2021 18:43  
Operator : SY/MD  
Sample : PB134750ZHE#03  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Feb 23 01:05:37 2021  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U021721W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 19 02:55:52 2021  
Response via : Initial Calibration

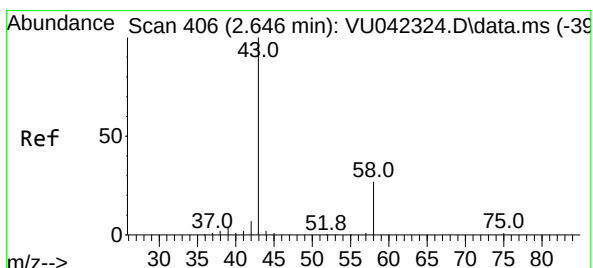
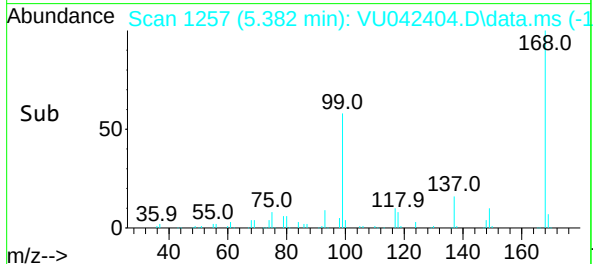
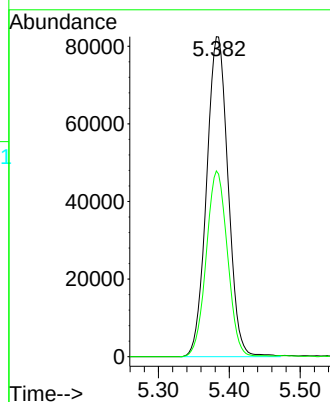
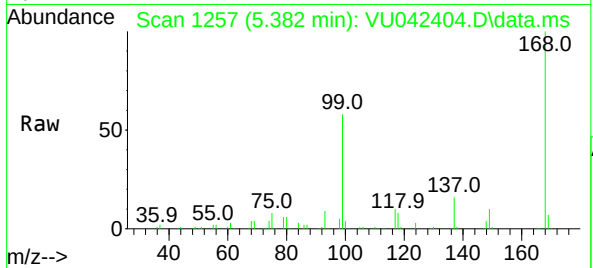




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.382 min Scan# 1257  
Delta R.T. -0.003 min  
Lab File: VU042404.D  
Acq: 22 Feb 2021 18:43

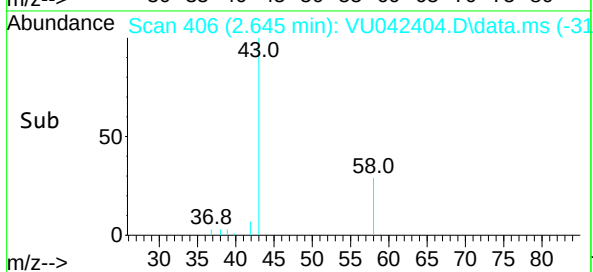
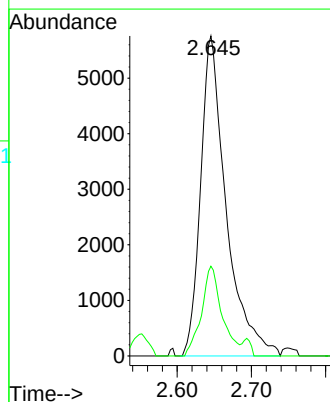
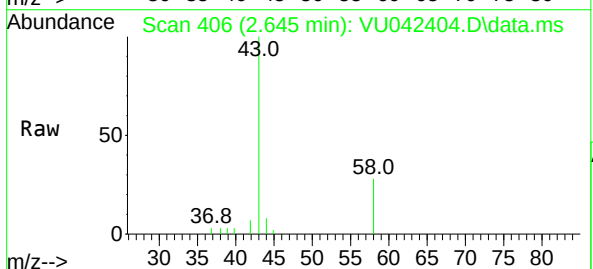
Instrument :  
MSVOA\_U  
ClientSampled :

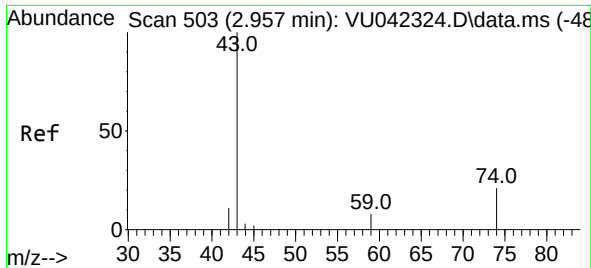
Tgt Ion:168 Resp: 173427  
Ion Ratio Lower Upper  
168 100  
99 58.1 45.0 67.4



#16  
Acetone  
Concen: 8.44 ug/l  
RT: 2.645 min Scan# 406  
Delta R.T. -0.000 min  
Lab File: VU042404.D  
Acq: 22 Feb 2021 18:43

Tgt Ion: 43 Resp: 13775  
Ion Ratio Lower Upper  
43 100  
58 28.0 21.5 32.3

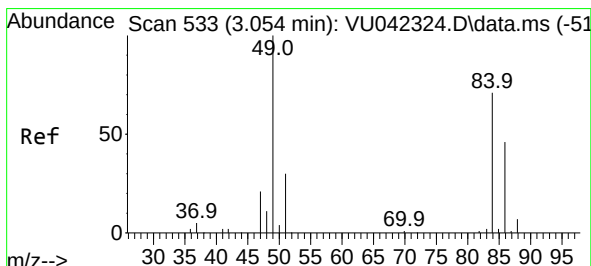
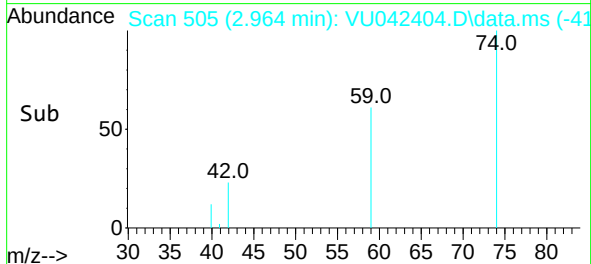
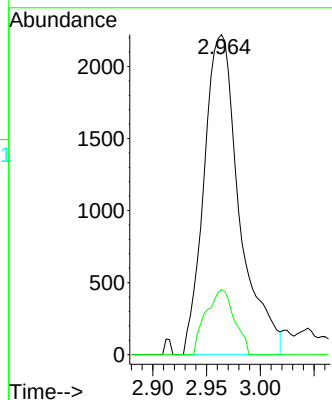
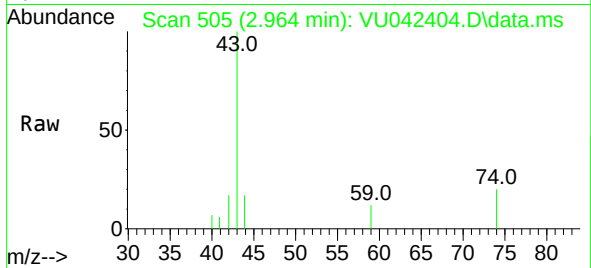




#18  
Methyl Acetate  
Concen: 1.72 ug/l  
RT: 2.964 min Scan# 505  
Delta R.T. 0.006 min  
Lab File: VU042404.D  
Acq: 22 Feb 2021 18:43

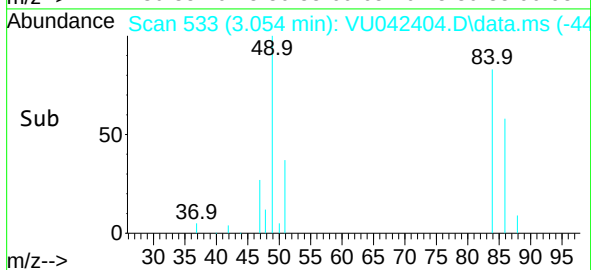
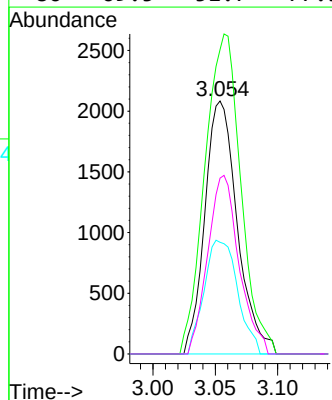
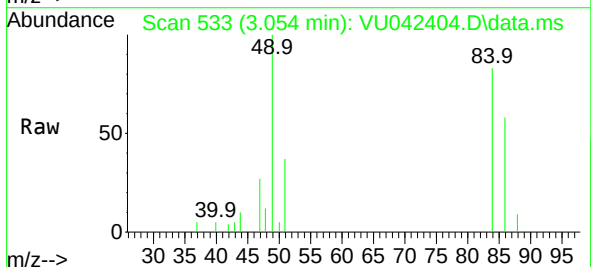
Instrument :  
MSVOA\_U  
ClientSampled :

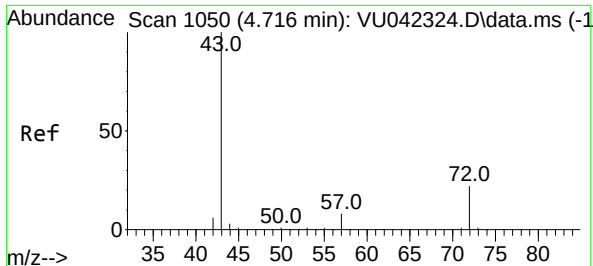
Tgt Ion: 43 Resp: 5094  
Ion Ratio Lower Upper  
43 100  
74 16.4 16.6 25.0#



#20  
Methylene Chloride  
Concen: 2.02 ug/l  
RT: 3.054 min Scan# 533  
Delta R.T. -0.000 min  
Lab File: VU042404.D  
Acq: 22 Feb 2021 18:43

Tgt Ion: 84 Resp: 3793  
Ion Ratio Lower Upper  
84 100  
49 120.3 112.6 169.0  
51 44.1 33.7 50.5  
86 69.5 51.7 77.5

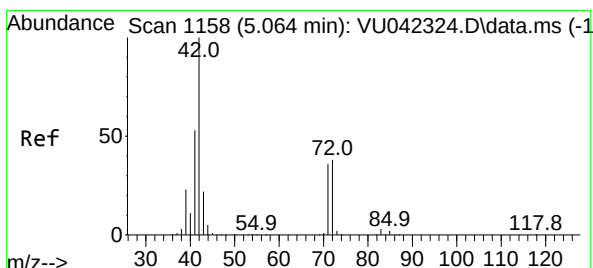
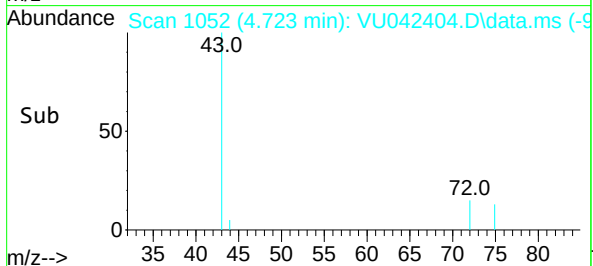
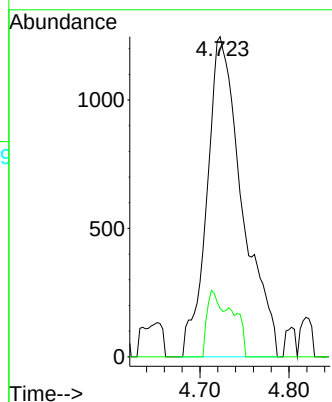
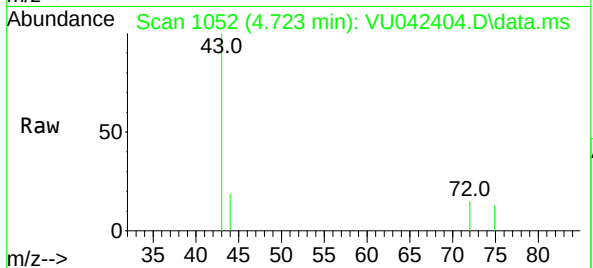




#25  
2-Butanone  
Concen: 1.58 ug/l  
RT: 4.723 min Scan# 1052  
Delta R.T. 0.006 min  
Lab File: VU042404.D  
Acq: 22 Feb 2021 18:43

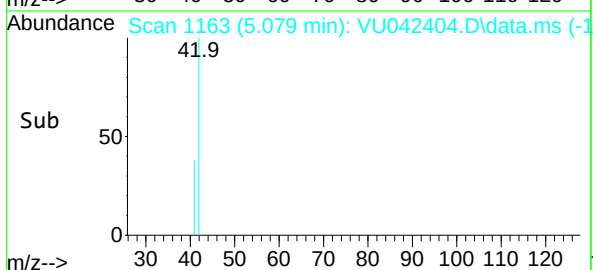
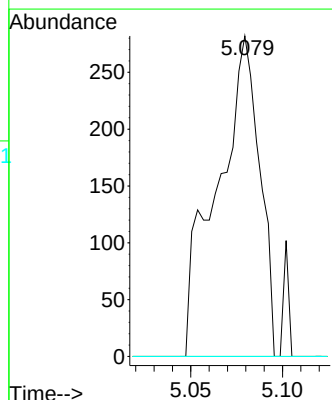
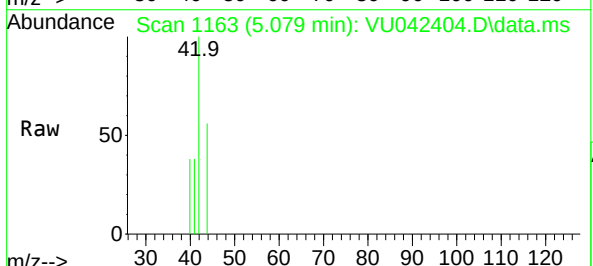
Instrument :  
MSVOA\_U  
ClientSampled :

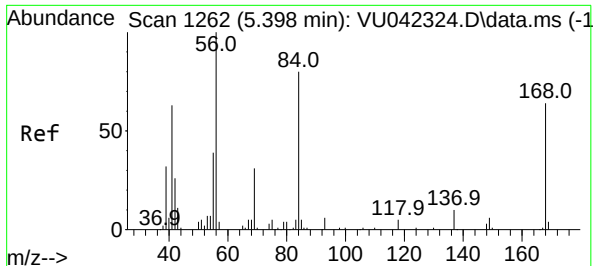
Tgt Ion: 43 Resp: 3433  
Ion Ratio Lower Upper  
43 100  
72 15.2 17.4 26.0#



#29  
Tetrahydrofuran  
Concen: 0.34 ug/l  
RT: 5.079 min Scan# 1163  
Delta R.T. 0.016 min  
Lab File: VU042404.D  
Acq: 22 Feb 2021 18:43

Tgt Ion: 42 Resp: 455  
Ion Ratio Lower Upper  
42 100  
72 0.0 31.5 47.3#  
71 0.0 29.5 44.3#

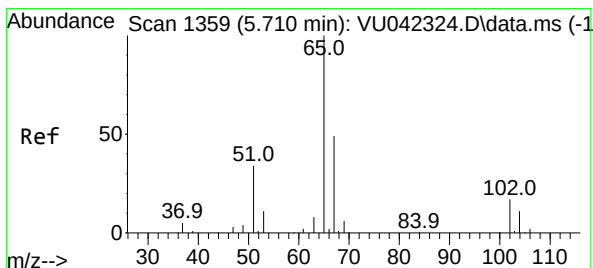
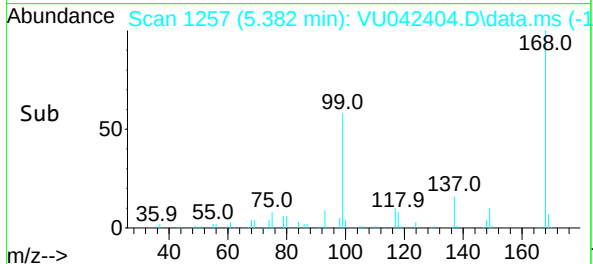
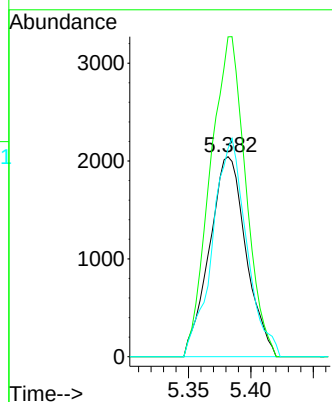
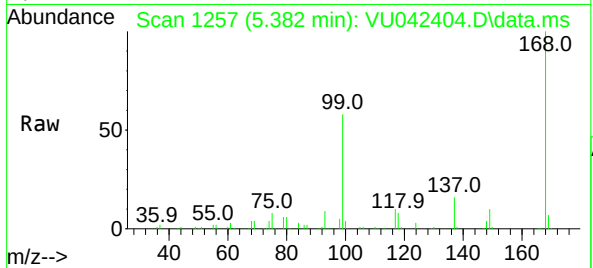




#31  
Cyclohexane  
Concen: 1.21 ug/l  
RT: 5.382 min Scan# 1257  
Delta R.T. -0.016 min  
Lab File: VU042404.D  
Acq: 22 Feb 2021 18:43

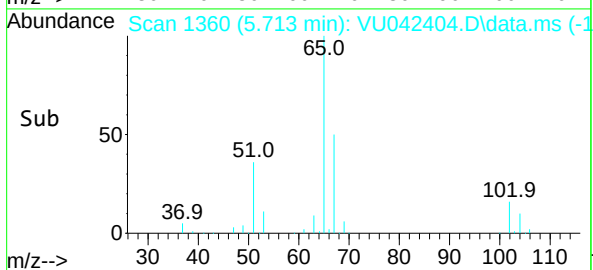
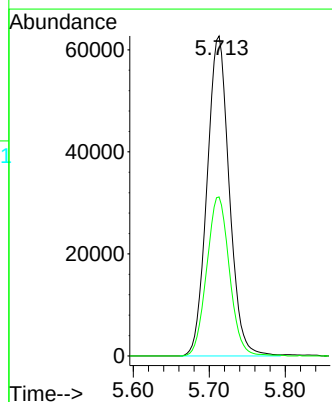
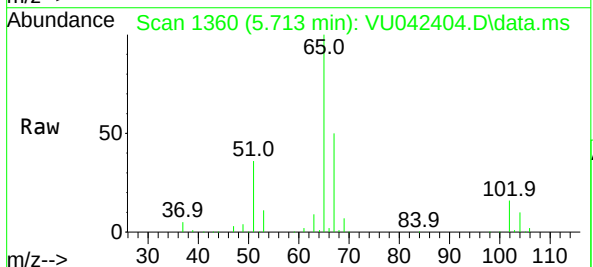
Instrument :  
MSVOA\_U  
ClientSampled :

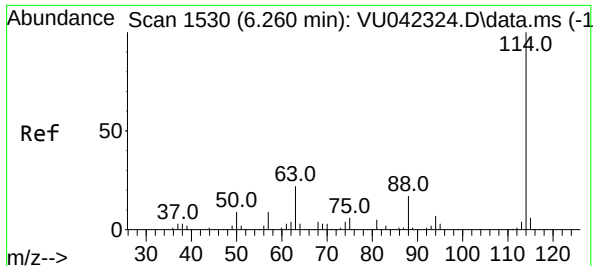
Tgt Ion: 56 Resp: 4176  
Ion Ratio Lower Upper  
56 100  
69 159.9 24.9 37.3#  
84 104.1 63.7 95.5#



#33  
1,2-Dichloroethane-d4  
Concen: 48.31 ug/l  
RT: 5.713 min Scan# 1360  
Delta R.T. 0.003 min  
Lab File: VU042404.D  
Acq: 22 Feb 2021 18:43

Tgt Ion: 65 Resp: 127071  
Ion Ratio Lower Upper  
65 100  
67 51.0 0.0 99.8

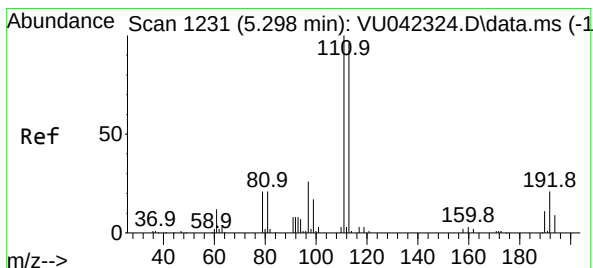
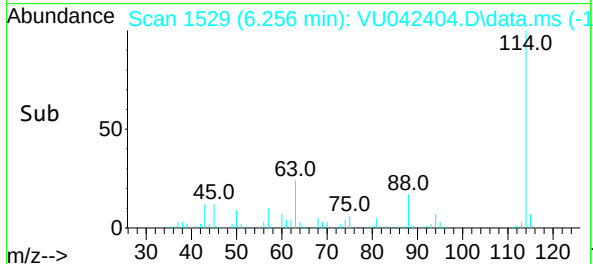
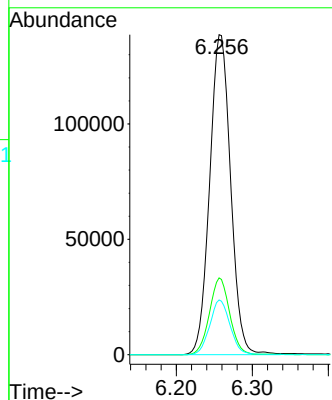
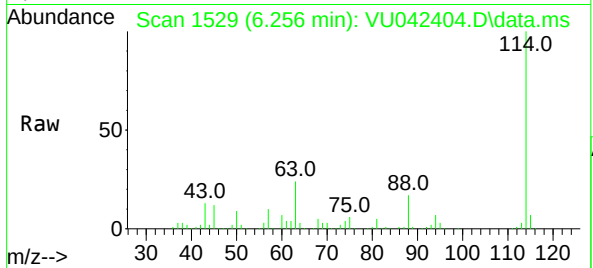




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.256 min Scan# 1529  
Delta R.T. -0.003 min  
Lab File: VU042404.D  
Acq: 22 Feb 2021 18:43

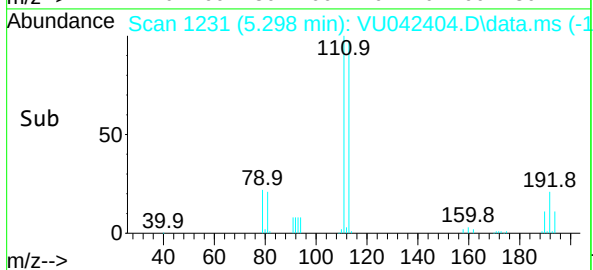
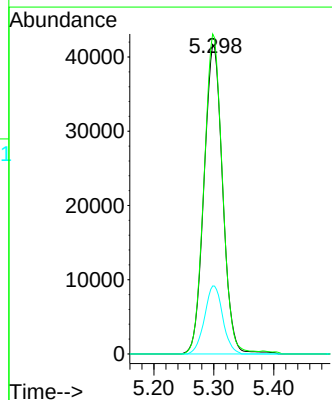
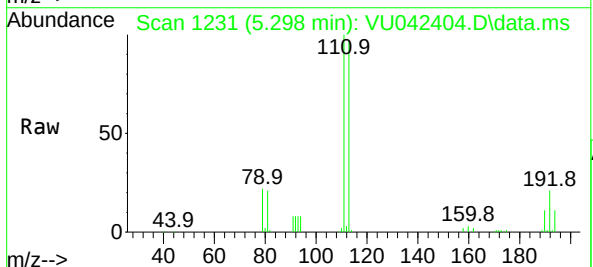
Instrument :  
MSVOA\_U  
ClientSampled :

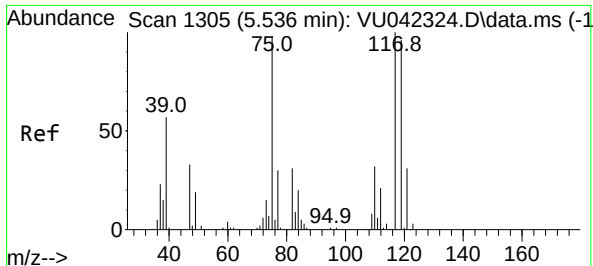
Tgt Ion:114 Resp: 264625  
Ion Ratio Lower Upper  
114 100  
63 24.0 0.0 44.2  
88 17.1 0.0 33.4



#35  
Dibromofluoromethane  
Concen: 48.31 ug/l  
RT: 5.298 min Scan# 1231  
Delta R.T. -0.000 min  
Lab File: VU042404.D  
Acq: 22 Feb 2021 18:43

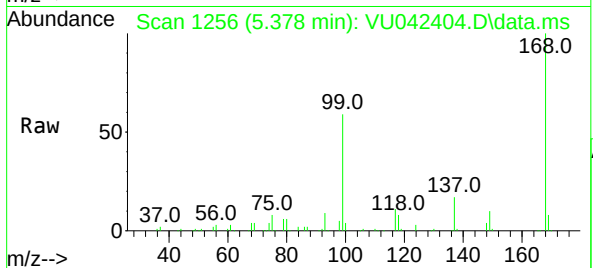
Tgt Ion:113 Resp: 90227  
Ion Ratio Lower Upper  
113 100  
111 101.8 81.8 122.8  
192 21.4 17.2 25.8



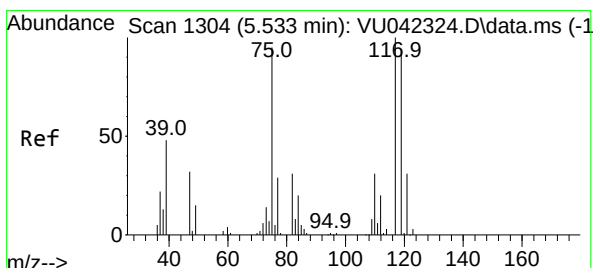
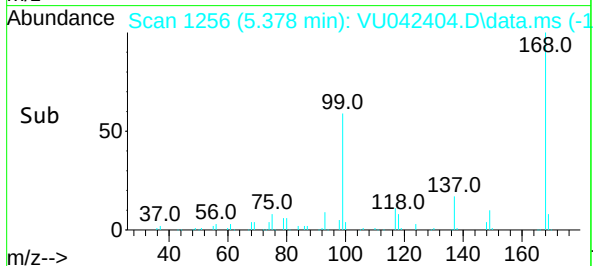
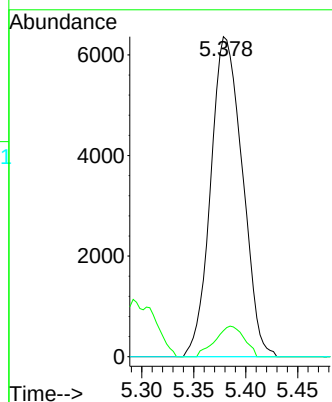


#36  
1,1-Dichloropropene  
Concen: 5.15 ug/l  
RT: 5.378 min Scan# 1256  
Delta R.T. -0.158 min  
Lab File: VU042404.D  
Acq: 22 Feb 2021 18:43

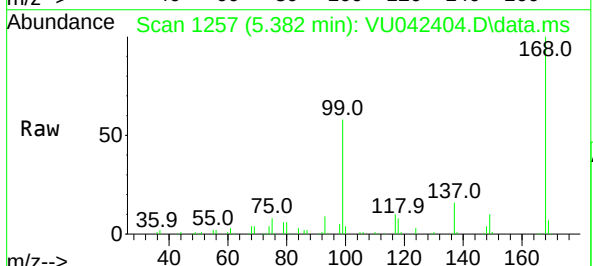
Instrument :  
MSVOA\_U  
ClientSampled :



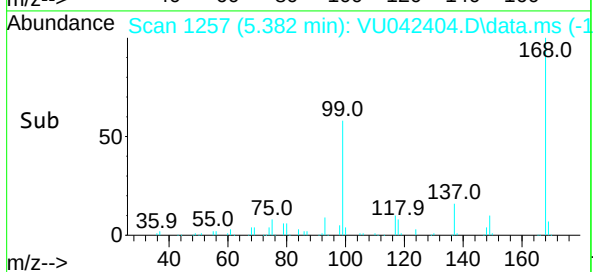
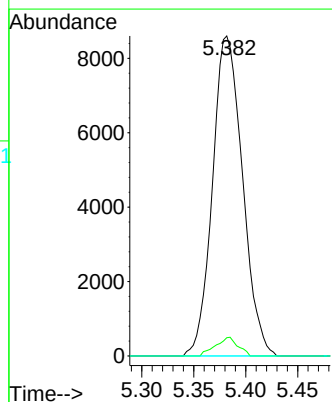
Tgt Ion: 75 Resp: 13476  
Ion Ratio Lower Upper  
75 100  
110 8.7 16.8 50.3#  
77 0.0 24.8 37.2#



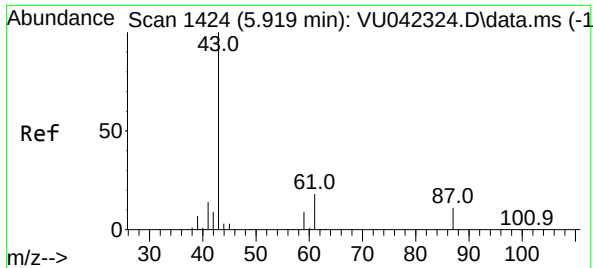
#38  
Carbon Tetrachloride  
Concen: 6.19 ug/l  
RT: 5.382 min Scan# 1257  
Delta R.T. -0.151 min  
Lab File: VU042404.D  
Acq: 22 Feb 2021 18:43



Tgt Ion: 117 Resp: 17300  
Ion Ratio Lower Upper  
117 100  
119 5.7 75.5 113.3#  
121 0.0 24.7 37.1#



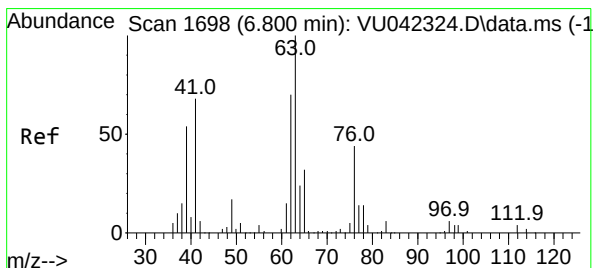
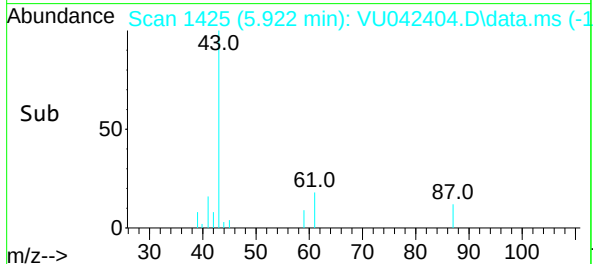
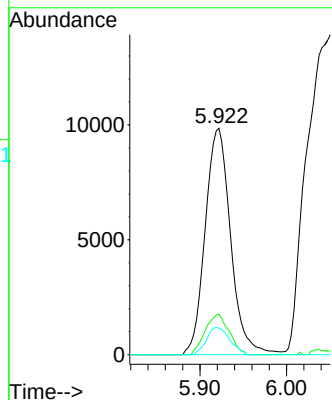
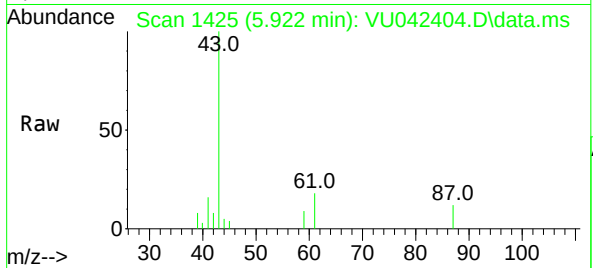




#43  
Isopropyl Acetate  
Concen: 3.37 ug/l  
RT: 5.922 min Scan# 1425  
Delta R.T. 0.003 min  
Lab File: VU042404.D  
Acq: 22 Feb 2021 18:43

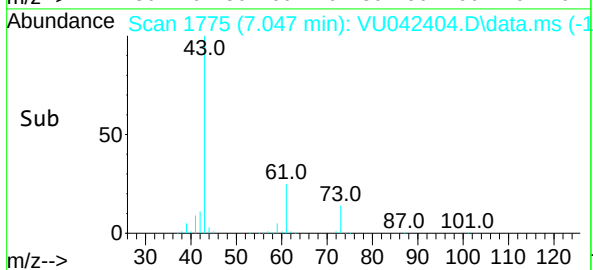
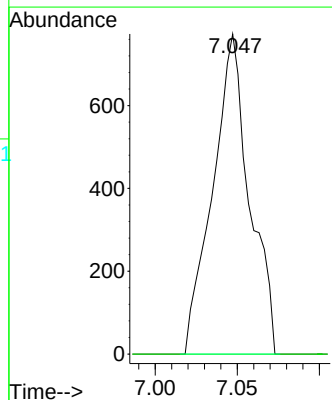
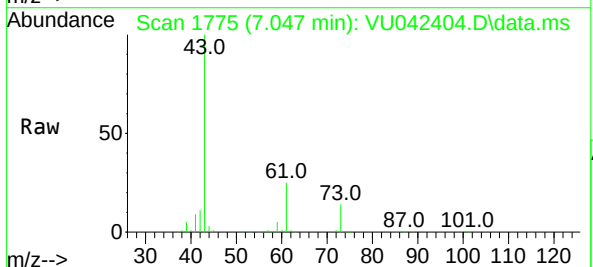
Instrument :  
MSVOA\_U  
ClientSampled :

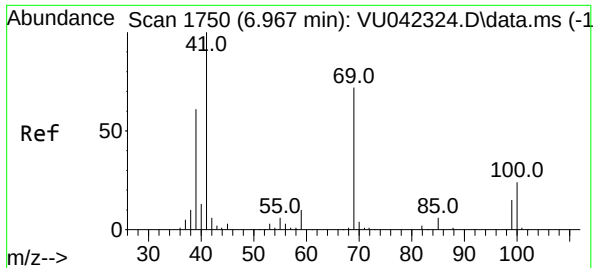
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 20146 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 61 16.7     | 14.4 21.6   |
| 87 10.9     | 8.8 13.2    |



#45  
1,2-Dichloropropane  
Concen: 0.59 ug/l  
RT: 7.047 min Scan# 1775  
Delta R.T. 0.247 min  
Lab File: VU042404.D  
Acq: 22 Feb 2021 18:43

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 1203  |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 65 0.0      | 25.4 38.2#  |

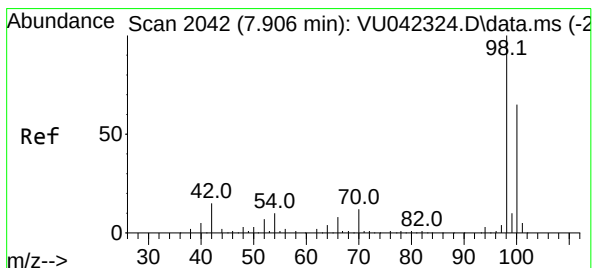
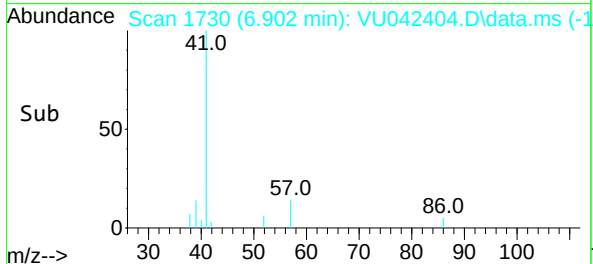
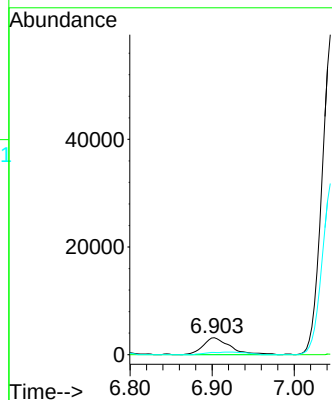
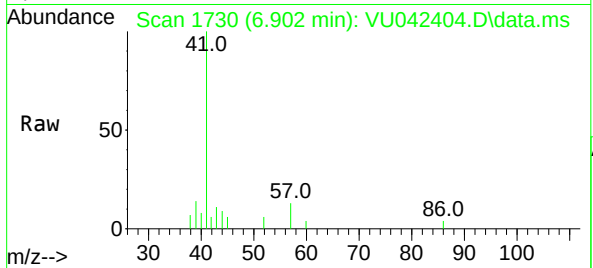




#48  
Methyl methacrylate  
Concen: 2.46 ug/l  
RT: 6.902 min Scan# 1730  
Delta R.T. -0.064 min  
Lab File: VU042404.D  
Acq: 22 Feb 2021 18:43

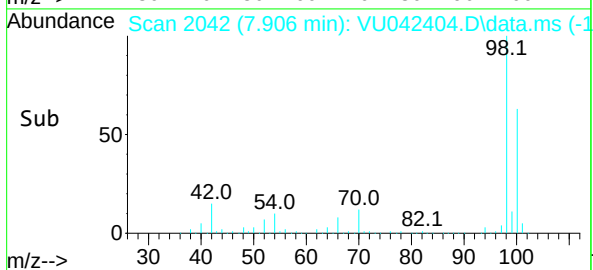
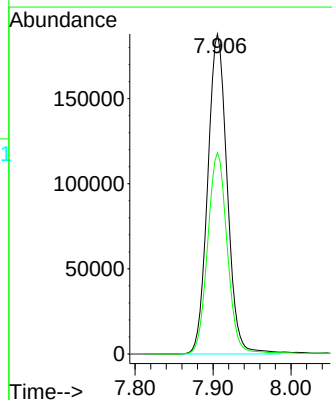
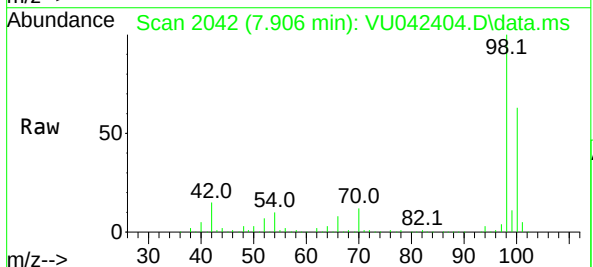
Instrument :  
MSVOA\_U  
ClientSampled :

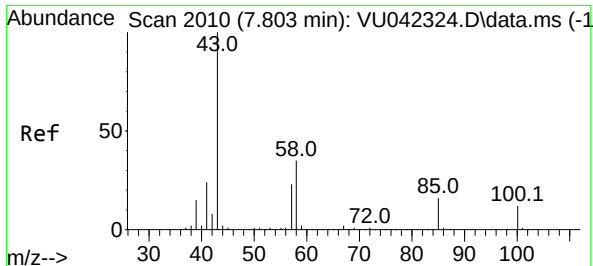
Tgt Ion: 41 Resp: 7265  
Ion Ratio Lower Upper  
41 100  
69 0.0 57.0 85.6#  
39 0.0 48.4 72.6#



#50  
Toluene-d8  
Concen: 48.69 ug/l  
RT: 7.906 min Scan# 2042  
Delta R.T. -0.000 min  
Lab File: VU042404.D  
Acq: 22 Feb 2021 18:43

Tgt Ion: 98 Resp: 325724  
Ion Ratio Lower Upper  
98 100  
100 63.3 50.2 75.2

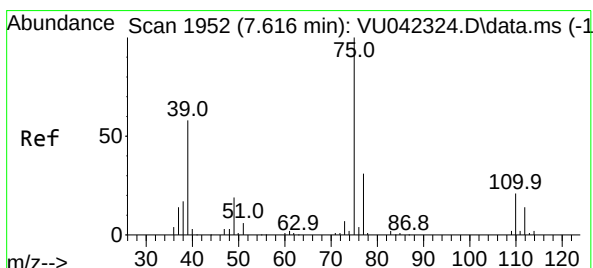
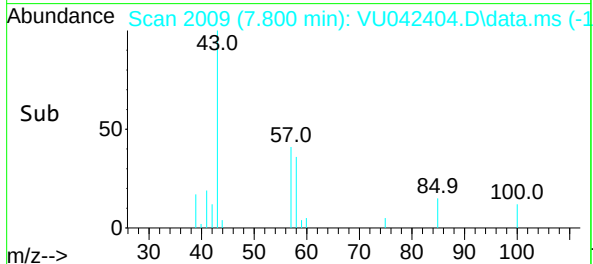
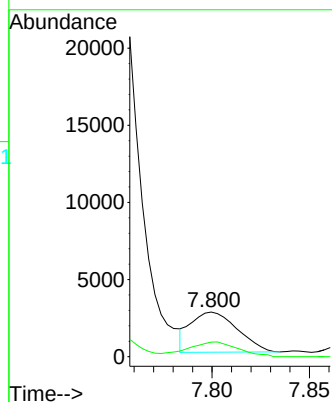
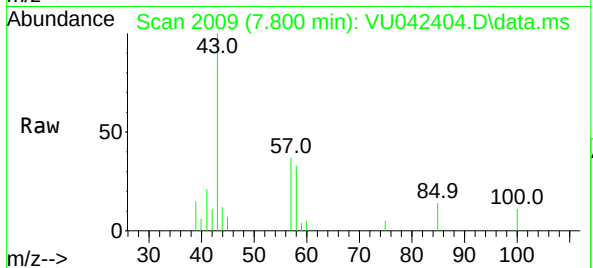




#51  
4-Methyl-2-Pentanone  
Concen: 1.07 ug/l  
RT: 7.800 min Scan# 2009  
Delta R.T. -0.003 min  
Lab File: VU042404.D  
Acq: 22 Feb 2021 18:43

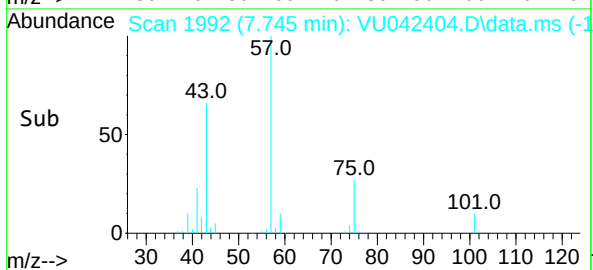
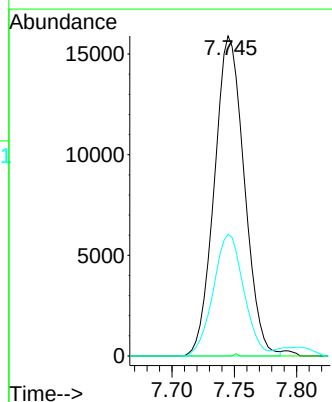
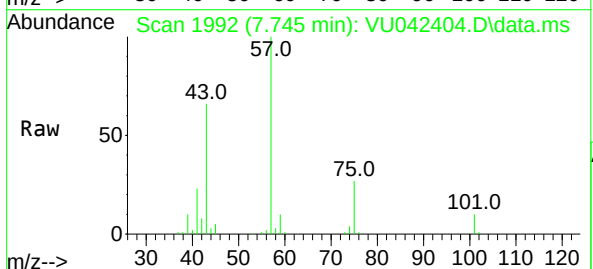
Instrument :  
MSVOA\_U  
ClientSampled :

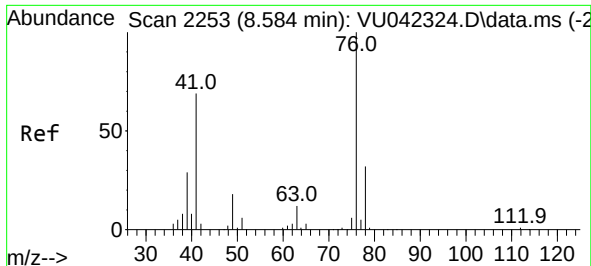
Tgt Ion: 43 Resp: 4331  
Ion Ratio Lower Upper  
43 100  
58 39.3 28.1 42.1



#54  
cis-1,3-Dichloropropene  
Concen: 8.15 ug/l  
RT: 7.745 min Scan# 1992  
Delta R.T. 0.128 min  
Lab File: VU042404.D  
Acq: 22 Feb 2021 18:43

Tgt Ion: 75 Resp: 26560  
Ion Ratio Lower Upper  
75 100  
77 0.0 24.6 37.0#  
39 38.0 46.1 69.1#



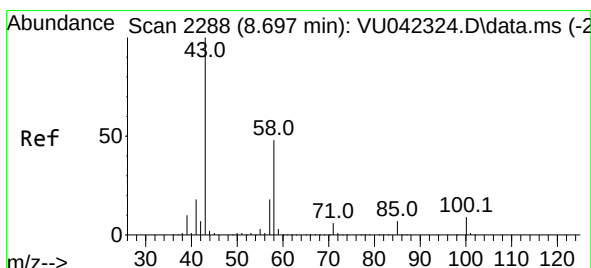
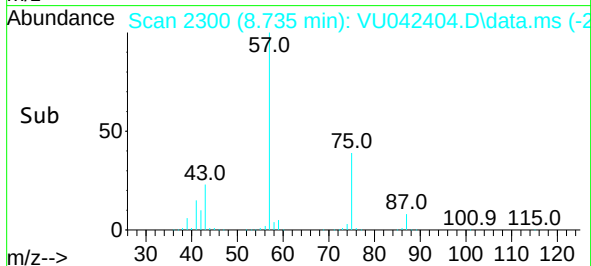
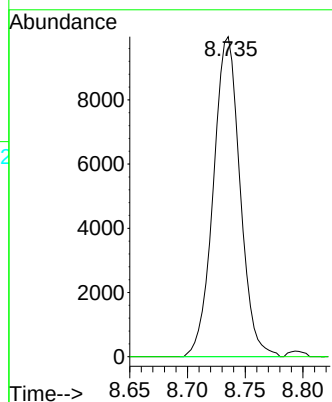
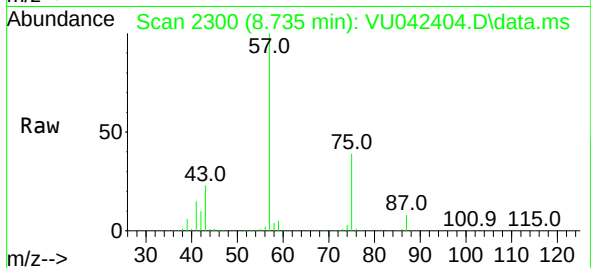


#57

1,3-Dichloropropane  
Concen: 4.87 ug/l  
RT: 8.735 min Scan# 2300  
Delta R.T. 0.151 min  
Lab File: VU042404.D  
Acq: 22 Feb 2021 18:43

Instrument :  
MSVOA\_U  
ClientSampled :

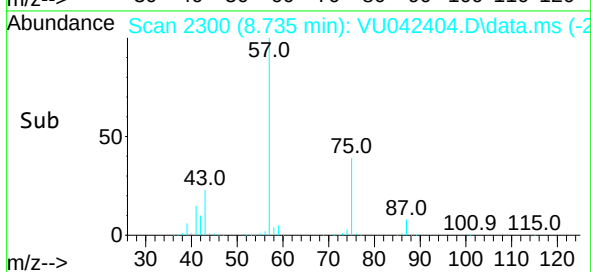
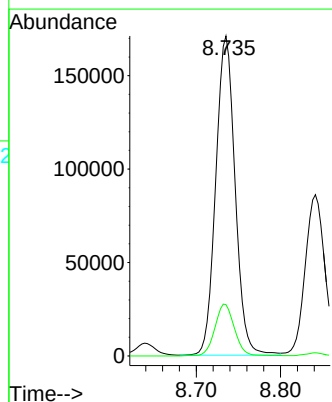
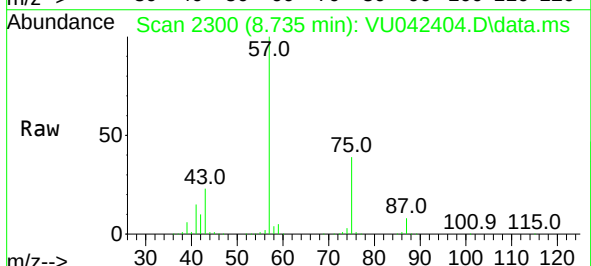
Tgt Ion: 76 Resp: 16027  
Ion Ratio Lower Upper  
76 100  
78 0.0 25.7 38.5#

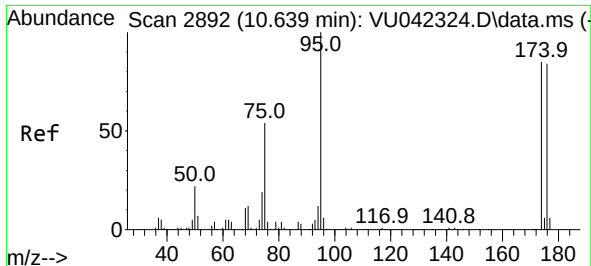


#59

2-Hexanone  
Concen: 84.21 ug/l  
RT: 8.735 min Scan# 2300  
Delta R.T. 0.038 min  
Lab File: VU042404.D  
Acq: 22 Feb 2021 18:43

Tgt Ion: 43 Resp: 272215  
Ion Ratio Lower Upper  
43 100  
58 16.6 24.0 72.0#

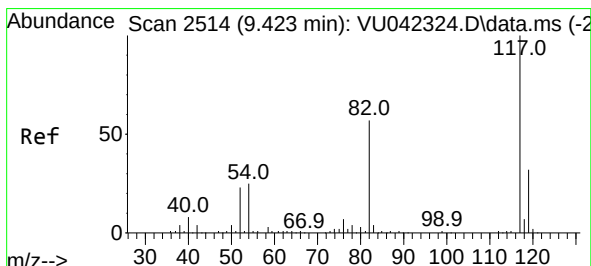
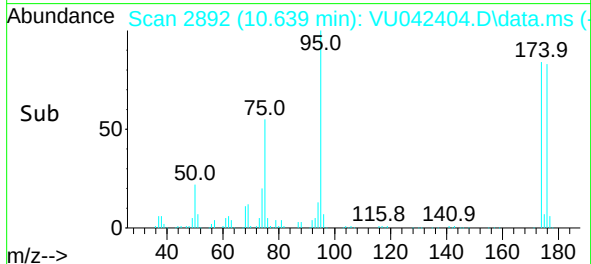
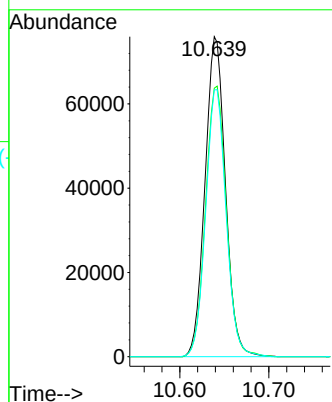
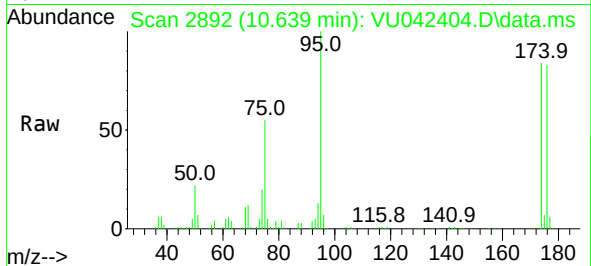




#62  
4-Bromofluorobenzene  
Concen: 45.74 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. -0.000 min  
Lab File: VU042404.D  
Acq: 22 Feb 2021 18:43

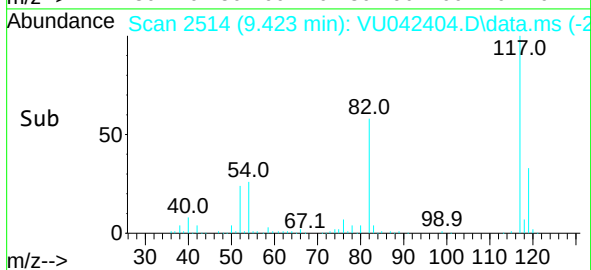
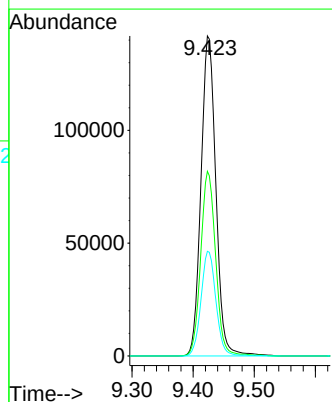
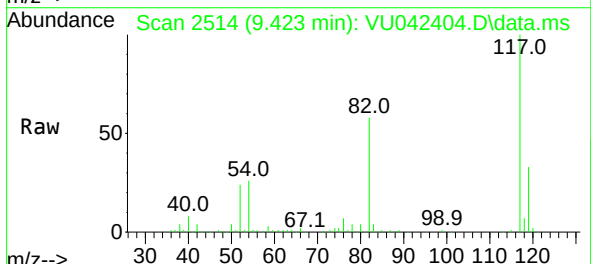
Instrument :  
MSVOA\_U  
ClientSampleId :

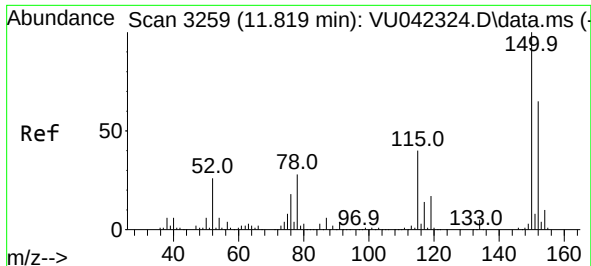
Tgt Ion: 95 Resp: 120596  
Ion Ratio Lower Upper  
95 100  
174 86.6 0.0 172.2  
176 83.6 0.0 168.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.423 min Scan# 2514  
Delta R.T. -0.000 min  
Lab File: VU042404.D  
Acq: 22 Feb 2021 18:43

Tgt Ion: 117 Resp: 240422  
Ion Ratio Lower Upper  
117 100  
82 57.7 45.8 68.6  
119 32.7 25.8 38.8

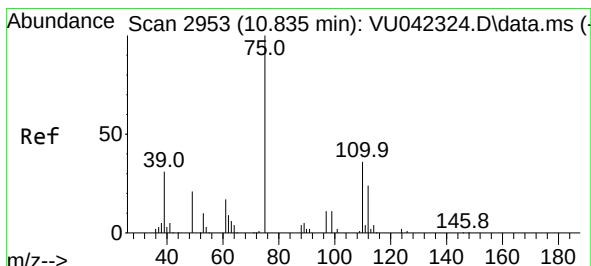
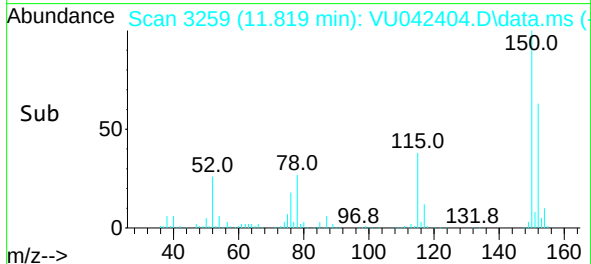
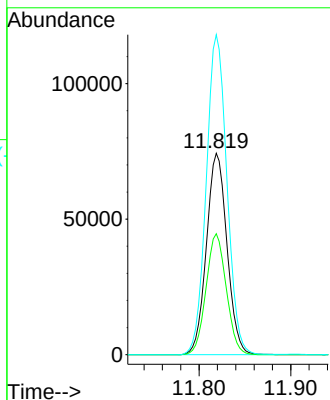
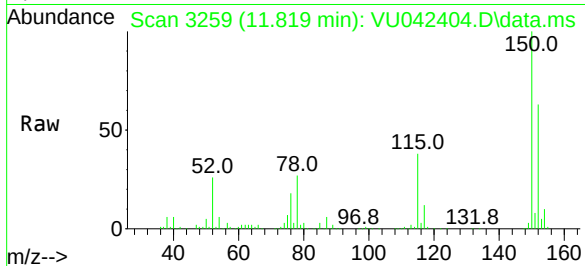




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 11.819 min Scan# 3259  
 Delta R.T. -0.000 min  
 Lab File: VU042404.D  
 Acq: 22 Feb 2021 18:43

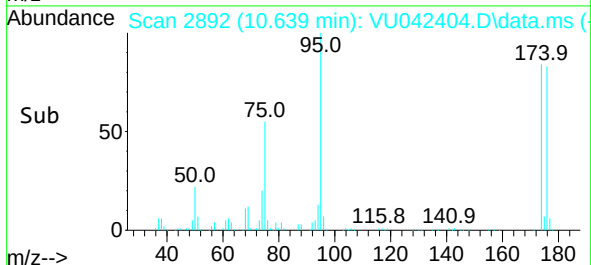
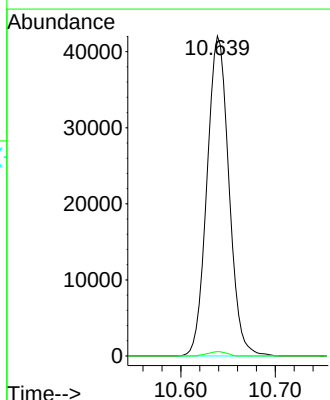
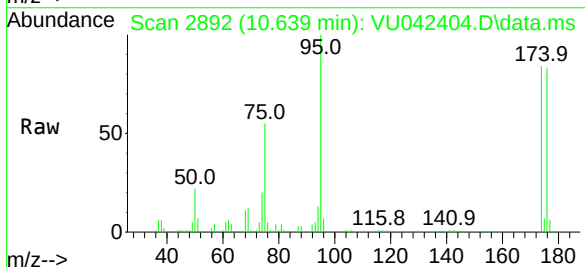
Instrument :  
 MSVOA\_U  
 ClientSampled :

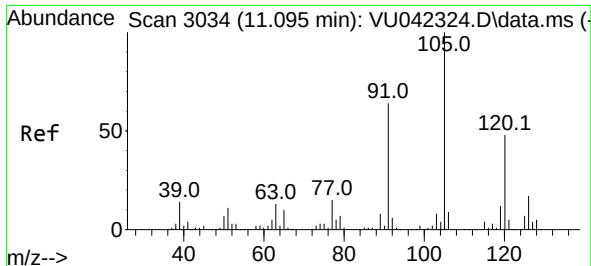
Tgt Ion:152 Resp: 116168  
 Ion Ratio Lower Upper  
 152 100  
 115 58.9 41.5 124.6  
 150 159.2 0.0 342.4



#76  
 1,2,3-Trichloropropane  
 Concen: 23.61 ug/l  
 RT: 10.639 min Scan# 2892  
 Delta R.T. -0.196 min  
 Lab File: VU042404.D  
 Acq: 22 Feb 2021 18:43

Tgt Ion: 75 Resp: 67825  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 20.2 60.5#

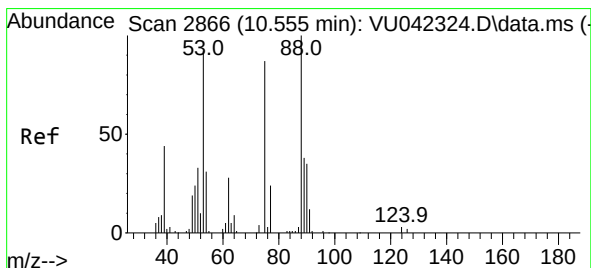
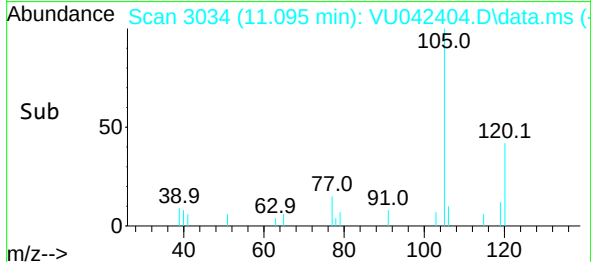
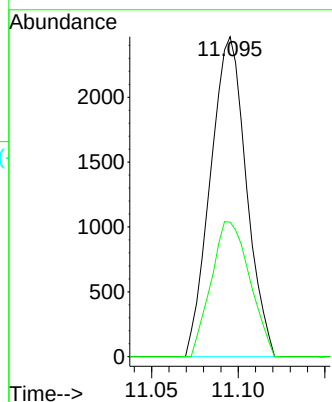
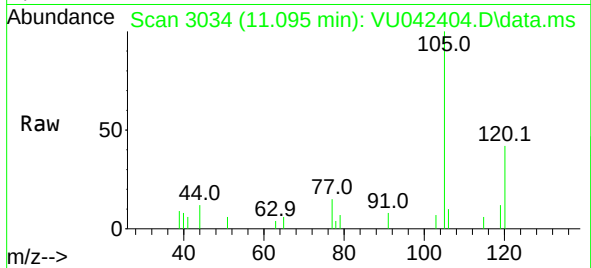




#80  
1,3,5-Trimethylbenzene  
Concen: 0.53 ug/l  
RT: 11.095 min Scan# 3034  
Delta R.T. -0.000 min  
Lab File: VU042404.D  
Acq: 22 Feb 2021 18:43

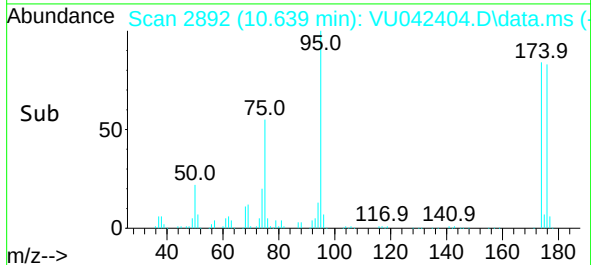
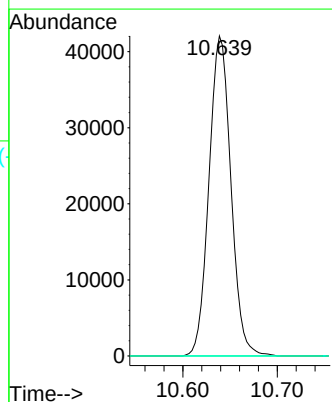
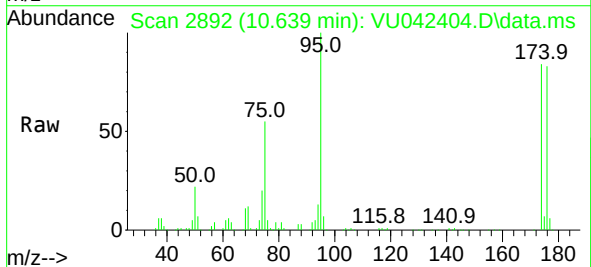
Instrument :  
MSVOA\_U  
ClientSampleId :

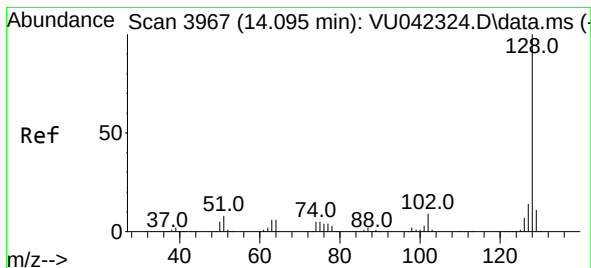
Tgt Ion:105 Resp: 3543  
Ion Ratio Lower Upper  
105 100  
120 45.3 23.8 71.4



#81  
trans-1,4-Dichloro-2-butene  
Concen: 64.20 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. 0.083 min  
Lab File: VU042404.D  
Acq: 22 Feb 2021 18:43

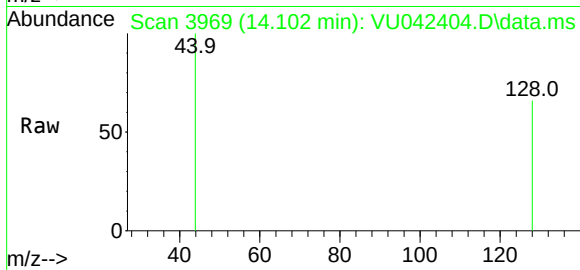
Tgt Ion: 75 Resp: 67825  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.6 128.4#  
89 0.0 35.7 53.5#





#95  
Naphthalene  
Concen: 2.26 ug/l  
RT: 14.102 min Scan# 3969  
Delta R.T. 0.007 min  
Lab File: VU042404.D  
Acq: 22 Feb 2021 18:43

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion:128 Resp: 396  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.8 16.2#  
129 0.0 8.6 13.0#

