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 Data File : VU044210.D  
 Acq On : 15 Jun 2021 03:10  
 Operator : SY/MD  
 Sample : M2687-16  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 42 Sample Multiplier: 1

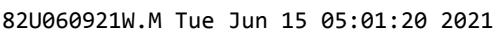
Instrument :  
 MSVOA\_U  
 ClientSampleId :

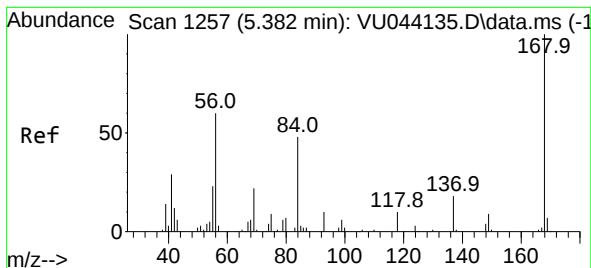
Quant Time: Jun 15 05:01:13 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U060921W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 10 05:11:37 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc      | Units   | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|---------|----------|
| Internal Standards            |        |      |          |           |         |          |
| 1) Pentafluorobenzene         | 5.385  | 168  | 176662   | 50.000    | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.260  | 114  | 325813   | 50.000    | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 9.423  | 117  | 317395   | 50.000    | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.819 | 152  | 150605   | 50.000    | ug/l    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4     | 5.713  | 65   | 136364   | 48.539    | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =         | 97.080% |          |
| 35) Dibromofluoromethane      | 5.298  | 113  | 105767   | 46.666    | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =         | 93.340% |          |
| 50) Toluene-d8                | 7.906  | 98   | 418221   | 48.048    | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =         | 96.100% |          |
| 62) 4-Bromofluorobenzene      | 10.639 | 95   | 148706   | 42.631    | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =         | 85.260% |          |
| Target Compounds              |        |      |          |           |         |          |
|                               |        |      |          |           | Qvalue  |          |
| 3) Chloromethane              | 1.523  | 50   | 329      | Below Cal | #       | 86       |
| 6) Chloroethane               | 1.916  | 64   | 71       | Below Cal | #       | 42       |
| 11) Tert butyl alcohol        | 3.199  | 59   | 625      | 0.827     | ug/l #  | 73       |
| 13) Acrolein                  | 2.501  | 56   | 67       | Below Cal | #       | 15       |
| 16) Acetone                   | 2.655  | 43   | 9323     | 4.323     | ug/l    | 100      |
| 18) Methyl Acetate            | 2.967  | 43   | 1771     | 0.490     | ug/l #  | 75       |
| 20) Methylene Chloride        | 3.057  | 84   | 13811    | 4.361     | ug/l    | 97       |
| 25) 2-Butanone                | 4.732  | 43   | 2346     | 1.000     | ug/l    | 91       |
| 29) Tetrahydrofuran           | 5.070  | 42   | 312      | 0.245     | ug/l #  | 51       |
| 31) Cyclohexane               | 5.382  | 56   | 3761     | 0.949     | ug/l #  | 1        |
| 36) 1,1-Dichloropropene       | 5.385  | 75   | 15048    | 4.151     | ug/l #  | 50       |
| 38) Carbon Tetrachloride      | 5.385  | 117  | 18650    | 5.699     | ug/l #  | 16       |
| 43) Isopropyl Acetate         | 5.922  | 43   | 17519    | 2.845     | ug/l    | 99       |
| 45) 1,2-Dichloropropane       | 7.044  | 63   | 1590     | 0.545     | ug/l #  | 43       |
| 48) Methyl methacrylate       | 6.906  | 41   | 7090     | 2.366     | ug/l #  | 11       |
| 49) 1,4-Dioxane               | 7.044  | 88   | 65       | 0.829     | ug/l #  | 1        |
| 51) 4-Methyl-2-Pentanone      | 7.800  | 43   | 4419     | 0.991     | ug/l    | 98       |
| 54) cis-1,3-Dichloropropene   | 7.745  | 75   | 31274    | 7.159     | ug/l #  | 63       |
| 57) 1,3-Dichloropropane       | 8.732  | 76   | 21503    | 4.532     | ug/l #  | 42       |
| 59) 2-Hexanone                | 8.735  | 43   | 265729   | 74.698    | ug/l #  | 48       |
| 76) 1,2,3-Trichloropropane    | 10.639 | 75   | 74145    | 14.684    | ug/l #  | 47       |
| 81) trans-1,4-Dichloro-2-b... | 10.639 | 75   | 74145    | 53.228    | ug/l #  | 13       |
| 95) Naphthalene               | 14.098 | 128  | 288      | 2.861     | ug/l #  | 69       |

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

Quant Time: Jun 15 05:01:13 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U060921W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 10 05:11:37 2021  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.385 min Scan# 1258

Delta R.T. 0.003 min

Lab File: VU044210.D

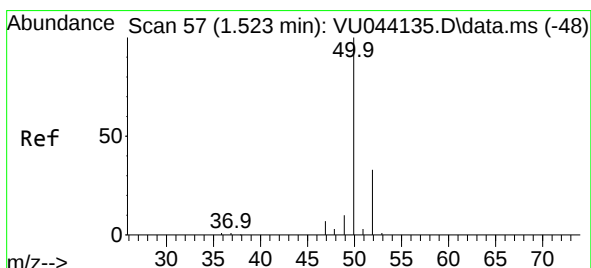
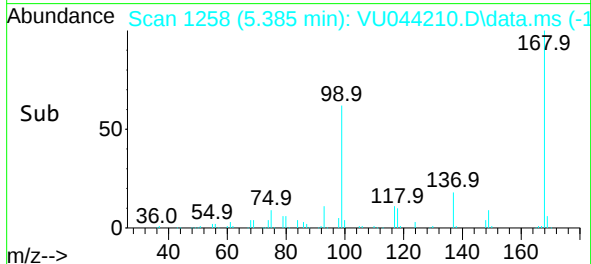
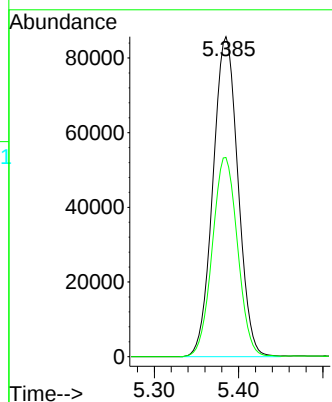
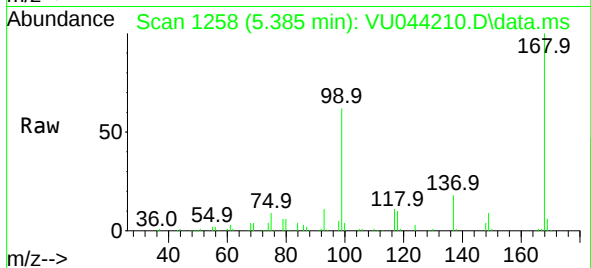
Acq: 15 Jun 2021 03:10

Tgt Ion:168 Resp: 176662

Ion Ratio Lower Upper

168 100

99 62.2 51.3 76.9



#3

Chloromethane

Concen: Below Cal

RT: 1.523 min Scan# 57

Delta R.T. 0.000 min

Lab File: VU044210.D

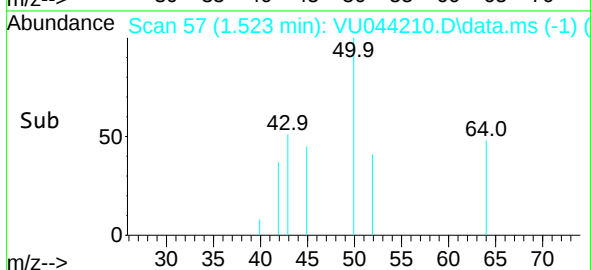
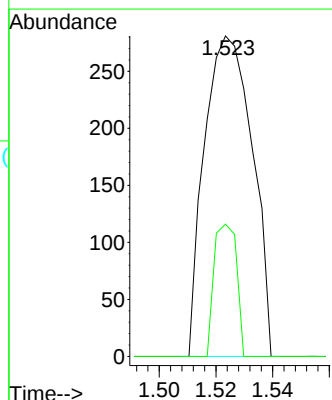
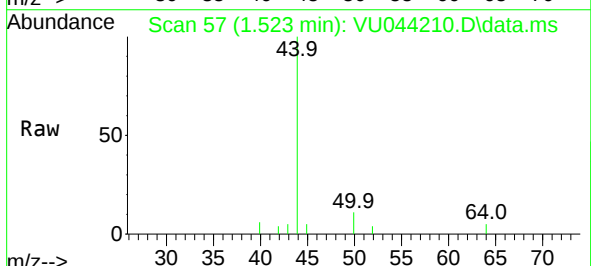
Acq: 15 Jun 2021 03:10

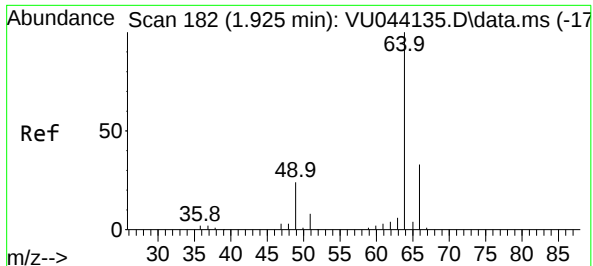
Tgt Ion: 50 Resp: 329

Ion Ratio Lower Upper

50 100

52 41.3 26.6 39.8#

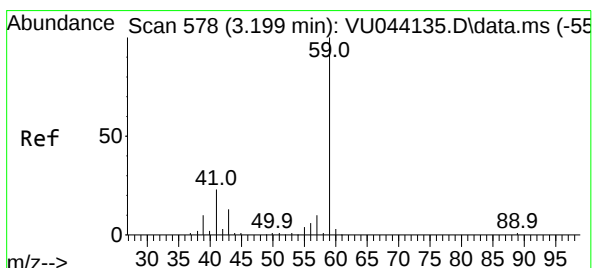
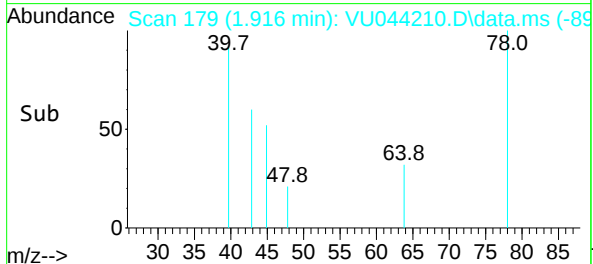
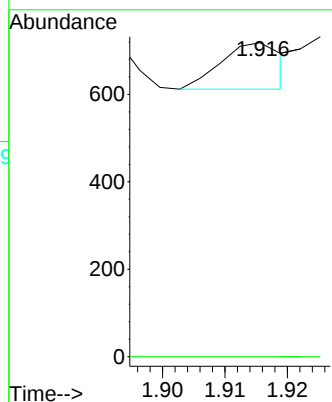
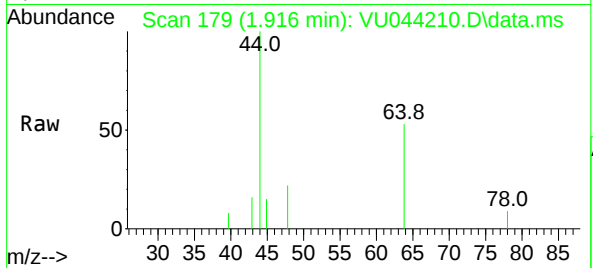




#6  
Chloroethane  
Concen: Below Cal  
RT: 1.916 min Scan# 179  
Delta R.T. -0.009 min  
Lab File: VU044210.D  
Acq: 15 Jun 2021 03:10

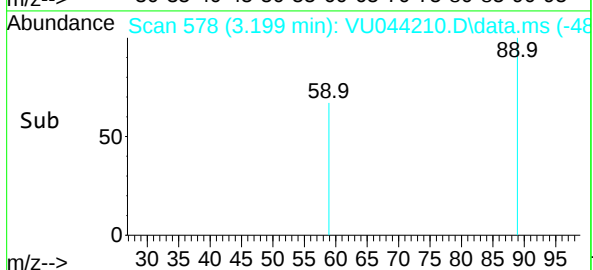
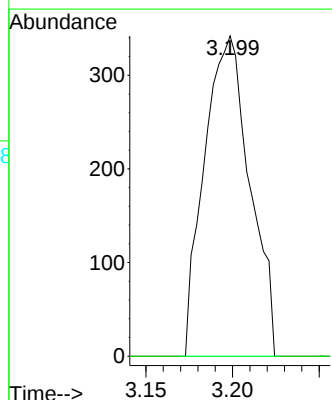
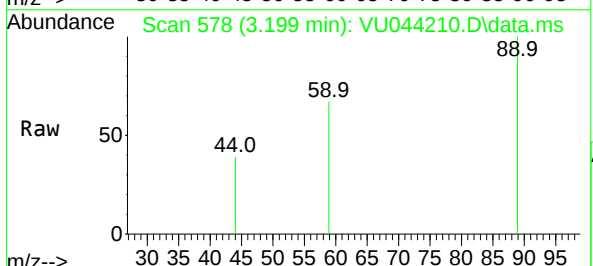
Instrument :  
MSVOA\_U  
ClientSampled :

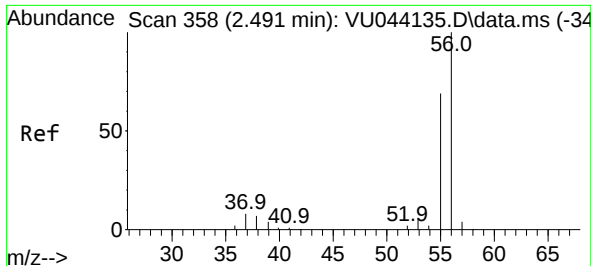
Tgt Ion: 64 Resp: 71  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.1 39.1#



#11  
Tert butyl alcohol  
Concen: 0.827 ug/l  
RT: 3.199 min Scan# 578  
Delta R.T. -0.000 min  
Lab File: VU044210.D  
Acq: 15 Jun 2021 03:10

Tgt Ion: 59 Resp: 625  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.0 12.0#

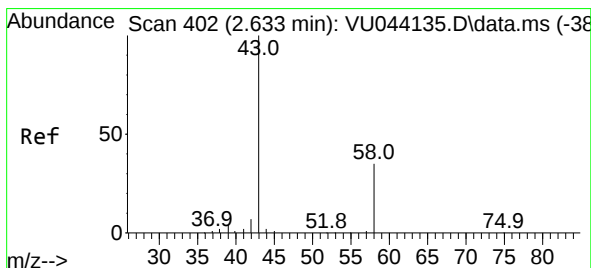
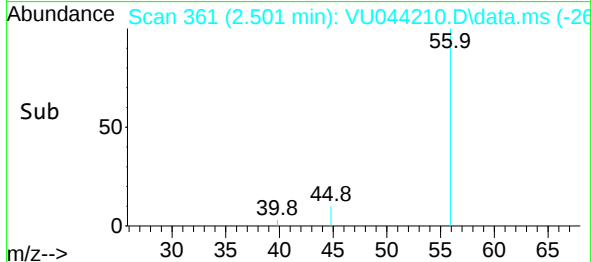
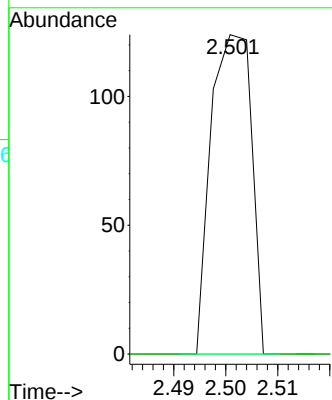
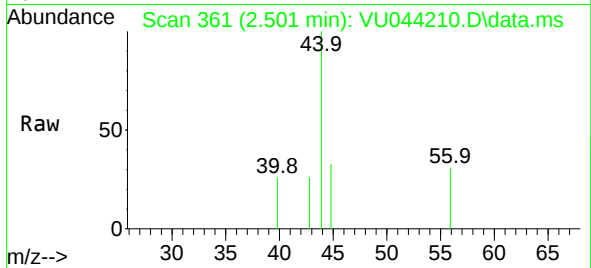




#13  
Acrolein  
Concen: Below Cal  
RT: 2.501 min Scan# 361  
Delta R.T. 0.010 min  
Lab File: VU044210.D  
Acq: 15 Jun 2021 03:10

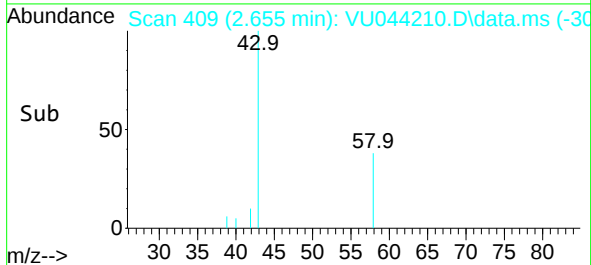
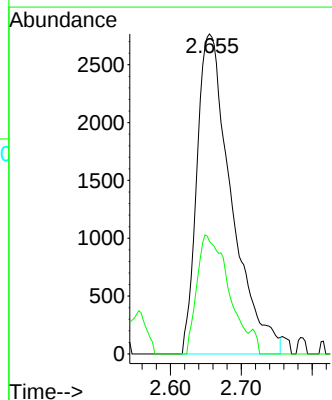
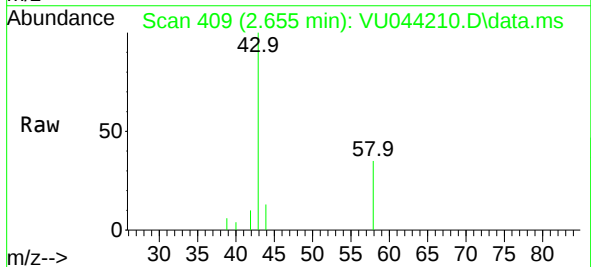
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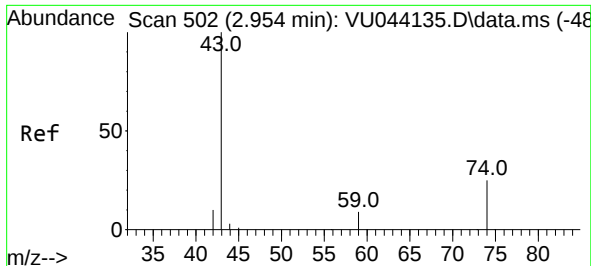
Tgt Ion: 56 Resp: 67  
Ion Ratio Lower Upper  
56 100  
55 0.0 55.1 82.7#



#16  
Acetone  
Concen: 4.323 ug/l  
RT: 2.655 min Scan# 409  
Delta R.T. 0.022 min  
Lab File: VU044210.D  
Acq: 15 Jun 2021 03:10

Tgt Ion: 43 Resp: 9323  
Ion Ratio Lower Upper  
43 100  
58 35.2 28.0 42.0

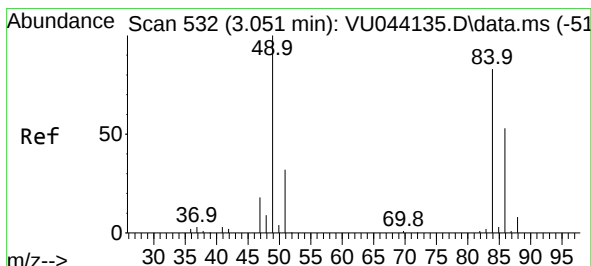
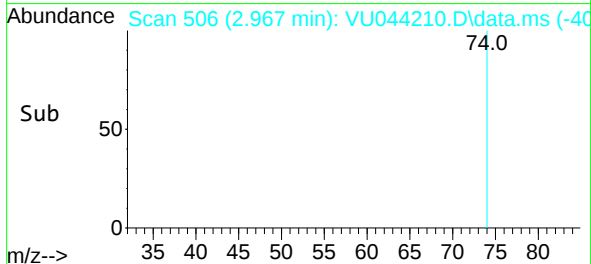
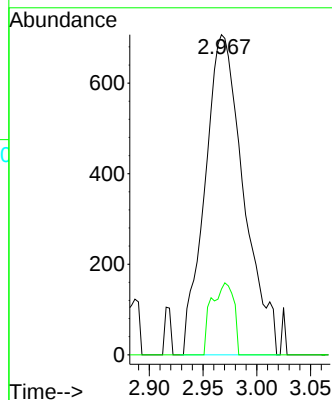
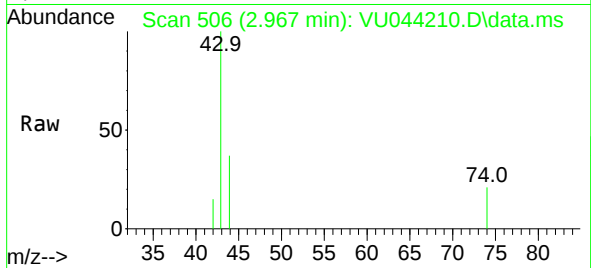




#18  
Methyl Acetate  
Concen: 0.490 ug/l  
RT: 2.967 min Scan# 506  
Delta R.T. 0.013 min  
Lab File: VU044210.D  
Acq: 15 Jun 2021 03:10

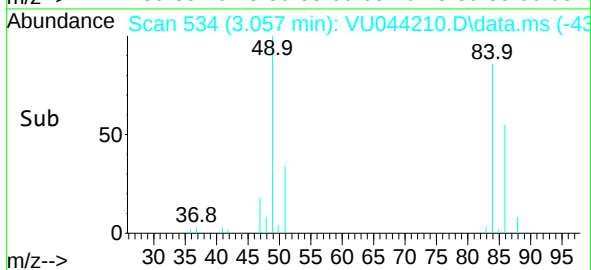
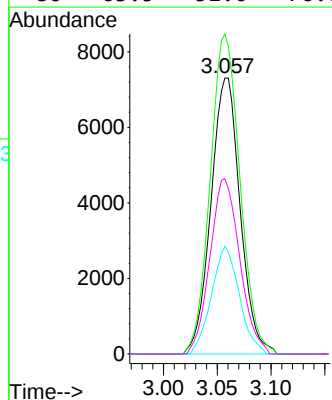
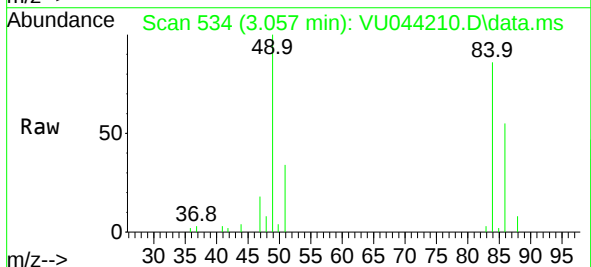
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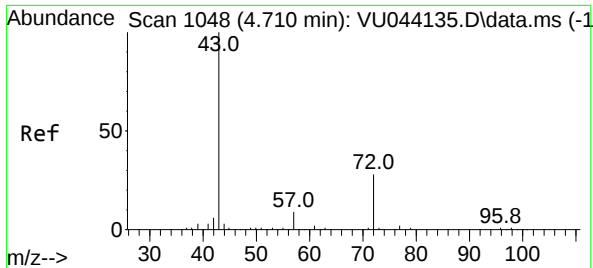
Tgt Ion: 43 Resp: 1771  
Ion Ratio Lower Upper  
43 100  
74 12.8 20.3 30.5#



#20  
Methylene Chloride  
Concen: 4.361 ug/l  
RT: 3.057 min Scan# 534  
Delta R.T. 0.006 min  
Lab File: VU044210.D  
Acq: 15 Jun 2021 03:10

Tgt Ion: 84 Resp: 13811  
Ion Ratio Lower Upper  
84 100  
49 116.0 96.9 145.3  
51 39.0 31.0 46.6  
86 63.5 51.0 76.6

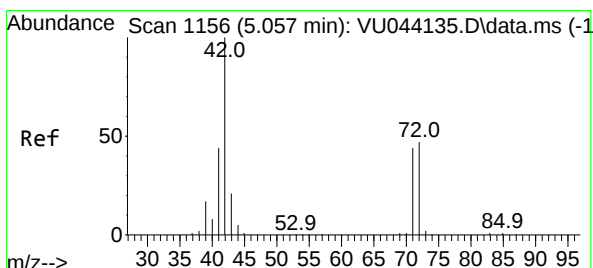
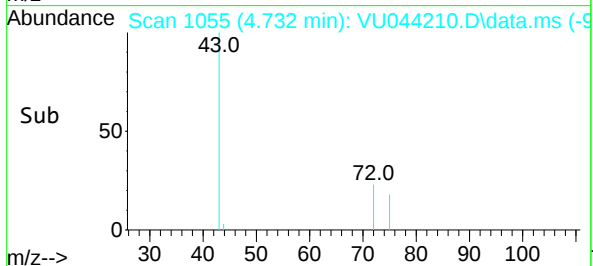
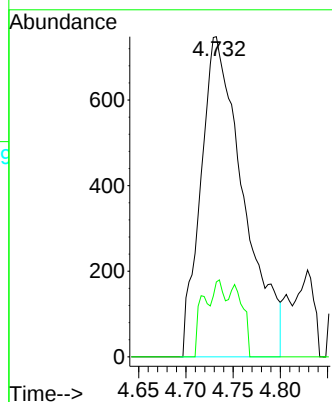
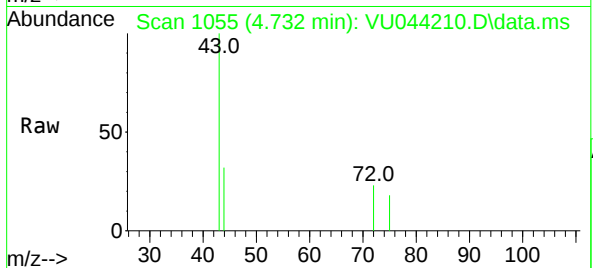




#25  
2-Butanone  
Concen: 1.000 ug/l  
RT: 4.732 min Scan# 1055  
Delta R.T. 0.022 min  
Lab File: VU044210.D  
Acq: 15 Jun 2021 03:10

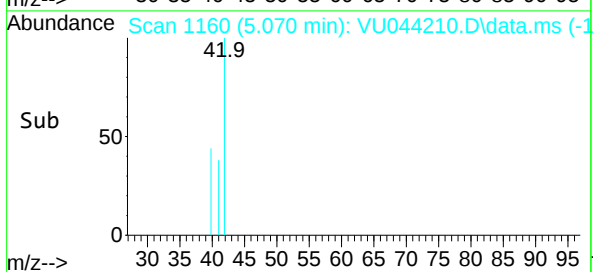
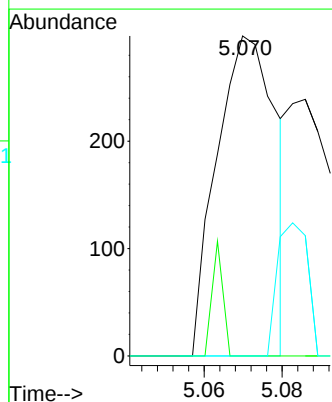
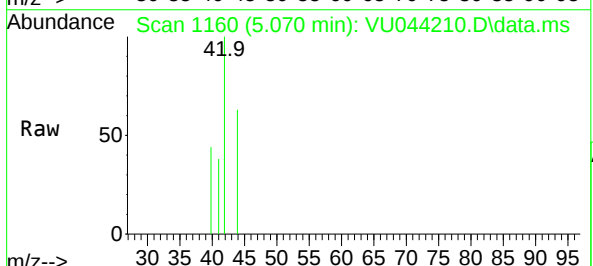
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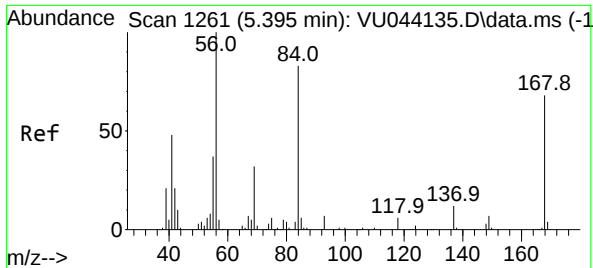
Tgt Ion: 43 Resp: 2346  
Ion Ratio Lower Upper  
43 100  
72 23.4 22.6 33.8



#29  
Tetrahydrofuran  
Concen: 0.245 ug/l  
RT: 5.070 min Scan# 1160  
Delta R.T. 0.013 min  
Lab File: VU044210.D  
Acq: 15 Jun 2021 03:10

Tgt Ion: 42 Resp: 312  
Ion Ratio Lower Upper  
42 100  
72 6.7 38.6 57.8#  
71 21.5 35.5 53.3#

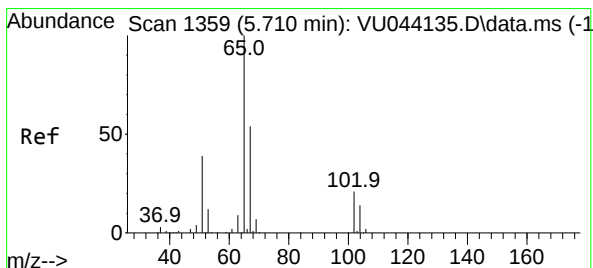
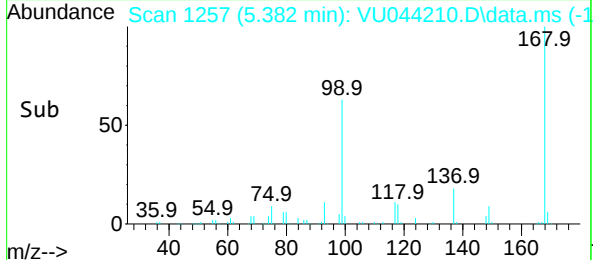
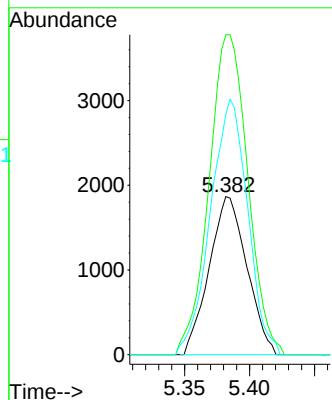
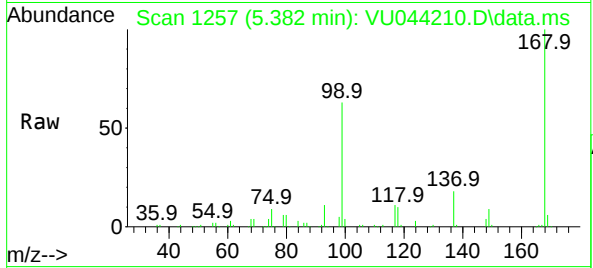




#31  
Cyclohexane  
Concen: 0.949 ug/l  
RT: 5.382 min Scan# 1257  
Delta R.T. -0.013 min  
Lab File: VU044210.D  
Acq: 15 Jun 2021 03:10

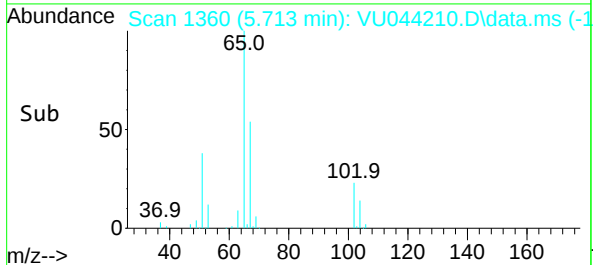
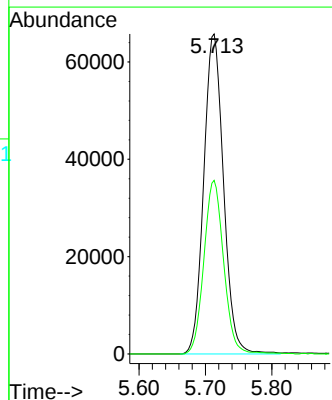
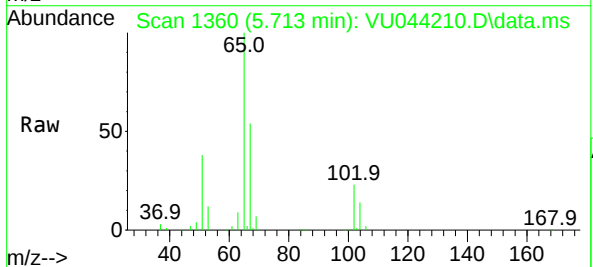
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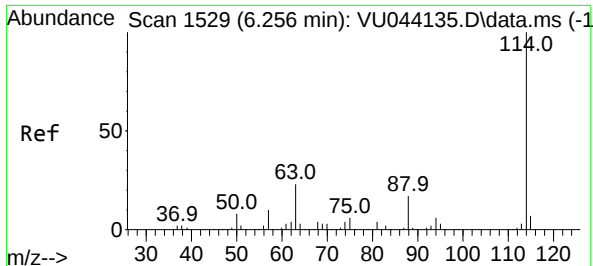
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Ion Ratio Lower Upper  
56 100  
69 196.7 25.5 38.3#  
84 152.0 66.3 99.5#



#33  
1,2-Dichloroethane-d4  
Concen: 48.539 ug/l  
RT: 5.713 min Scan# 1360  
Delta R.T. 0.003 min  
Lab File: VU044210.D  
Acq: 15 Jun 2021 03:10

Tgt Ion: 65 Resp: 136364  
Ion Ratio Lower Upper  
65 100  
67 54.3 0.0 106.6

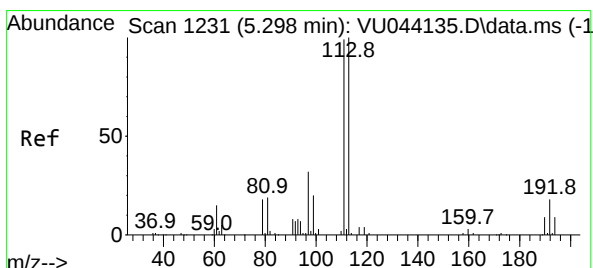
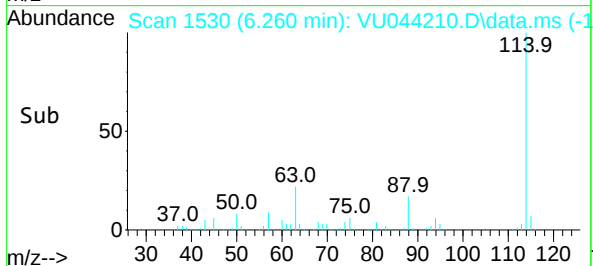
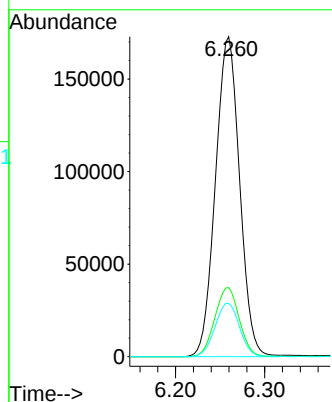
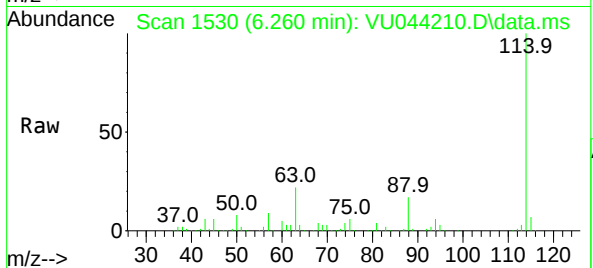




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.260 min Scan# 1530  
Delta R.T. 0.003 min  
Lab File: VU044210.D  
Acq: 15 Jun 2021 03:10

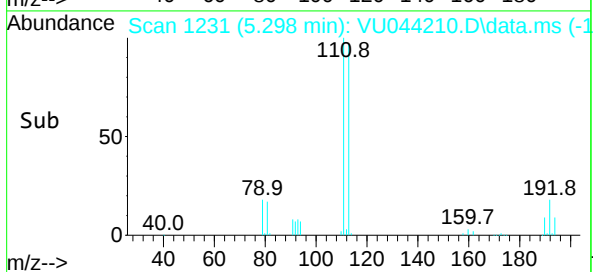
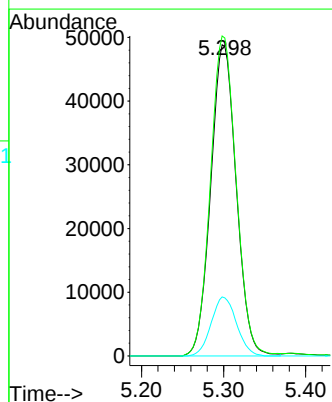
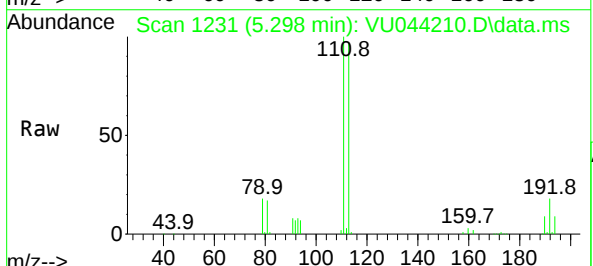
Instrument :  
MSVOA\_U  
ClientSampleId :

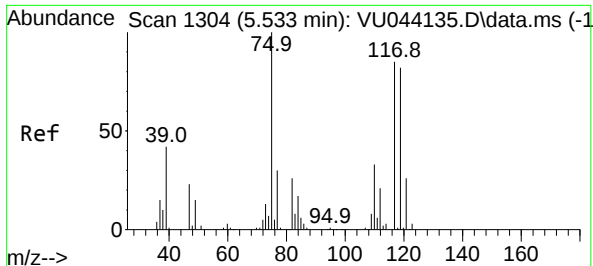
Tgt Ion:114 Resp: 325813  
Ion Ratio Lower Upper  
114 100  
63 21.6 0.0 45.8  
88 16.7 0.0 34.0



#35  
Dibromofluoromethane  
Concen: 46.666 ug/l  
RT: 5.298 min Scan# 1231  
Delta R.T. 0.000 min  
Lab File: VU044210.D  
Acq: 15 Jun 2021 03:10

Tgt Ion:113 Resp: 105767  
Ion Ratio Lower Upper  
113 100  
111 103.5 81.0 121.4  
192 18.8 14.3 21.5



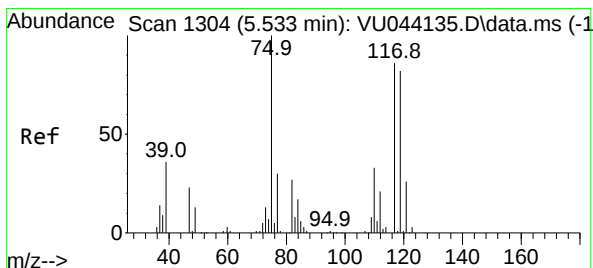
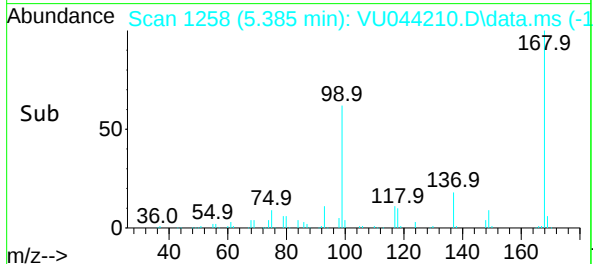
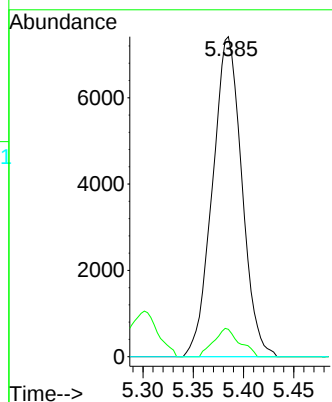
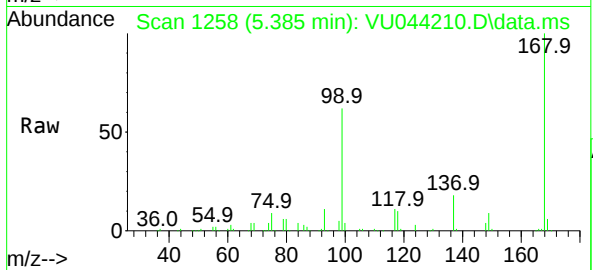


#36

1,1-Dichloropropene  
Concen: 4.151 ug/l  
RT: 5.385 min Scan# 1258  
Delta R.T. -0.148 min  
Lab File: VU044210.D  
Acq: 15 Jun 2021 03:10

Instrument :  
MSVOA\_U  
ClientSampleId :

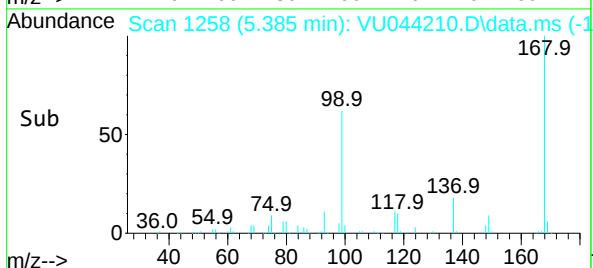
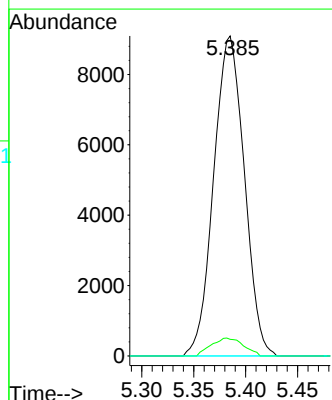
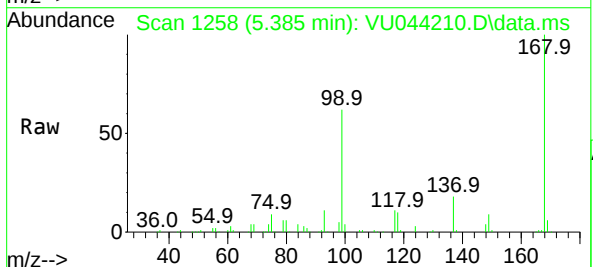
Tgt Ion: 75 Resp: 15048  
Ion Ratio Lower Upper  
75 100  
110 7.7 16.4 49.4#  
77 0.0 24.7 37.1#

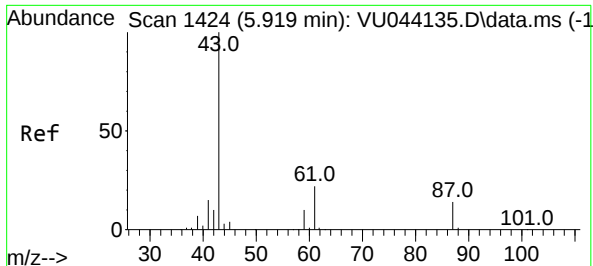


#38

Carbon Tetrachloride  
Concen: 5.699 ug/l  
RT: 5.385 min Scan# 1258  
Delta R.T. -0.148 min  
Lab File: VU044210.D  
Acq: 15 Jun 2021 03:10

Tgt Ion:117 Resp: 18650  
Ion Ratio Lower Upper  
117 100  
119 5.2 76.6 114.8#  
121 0.0 24.6 36.8#

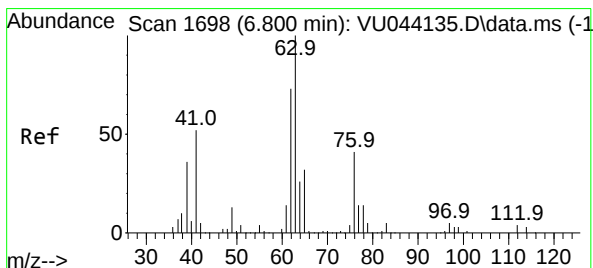
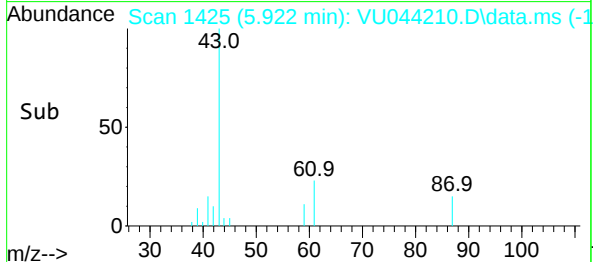
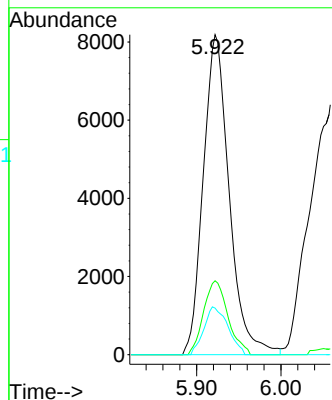
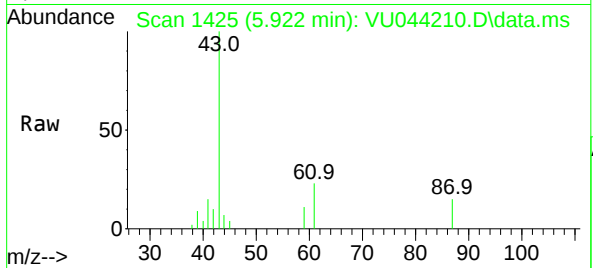




#43  
Isopropyl Acetate  
Concen: 2.845 ug/l  
RT: 5.922 min Scan# 1425  
Delta R.T. 0.003 min  
Lab File: VU044210.D  
Acq: 15 Jun 2021 03:10

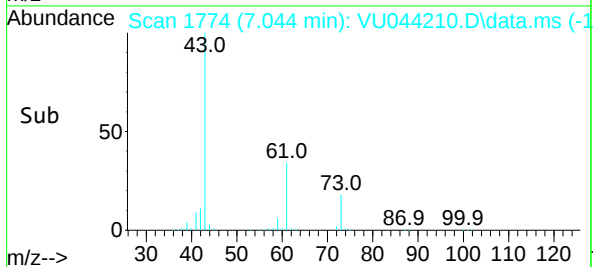
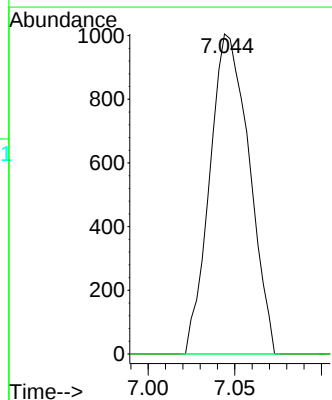
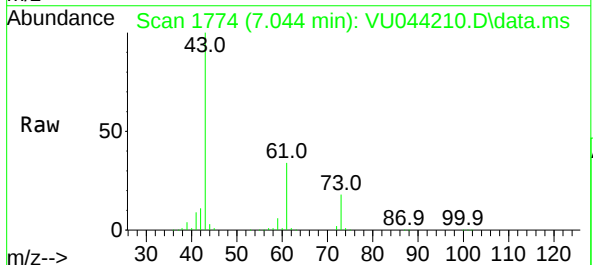
Instrument :  
MSVOA\_U  
ClientSampleId :

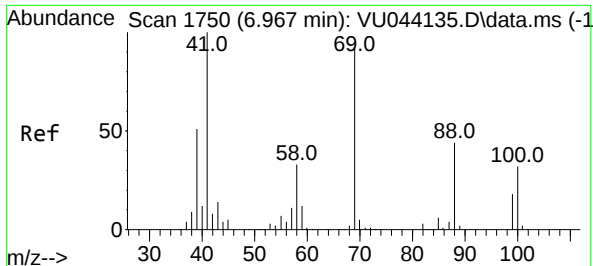
Tgt Ion: 43 Resp: 17519  
Ion Ratio Lower Upper  
43 100  
61 21.7 17.8 26.8  
87 13.8 11.1 16.7



#45  
1,2-Dichloropropane  
Concen: 0.545 ug/l  
RT: 7.044 min Scan# 1774  
Delta R.T. 0.244 min  
Lab File: VU044210.D  
Acq: 15 Jun 2021 03:10

Tgt Ion: 63 Resp: 1590  
Ion Ratio Lower Upper  
63 100  
65 0.0 25.7 38.5#





#48

Methyl methacrylate

Concen: 2.366 ug/l

RT: 6.906 min Scan# 1731

Delta R.T. -0.061 min

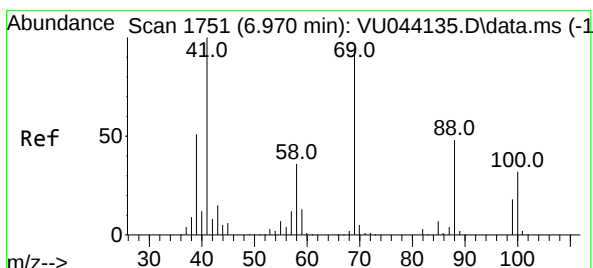
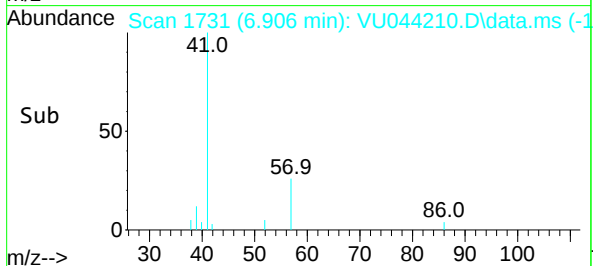
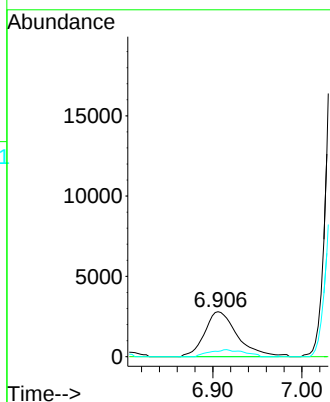
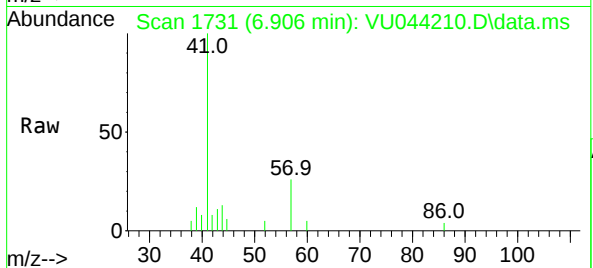
Lab File: VU044210.D

Acq: 15 Jun 2021 03:10

Tgt Ion: 41 Resp: 7090

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 41  | 100   |       |        |
| 69  | 0.0   | 74.0  | 111.0# |
| 39  | 0.0   | 41.5  | 62.3#  |

Instrument :  
MSVOA\_U  
ClientSampleId :



#49

1,4-Dioxane

Concen: 0.829 ug/l

RT: 7.044 min Scan# 1774

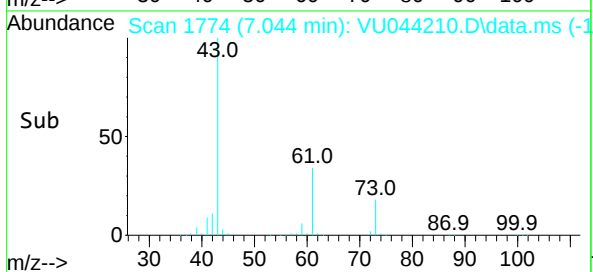
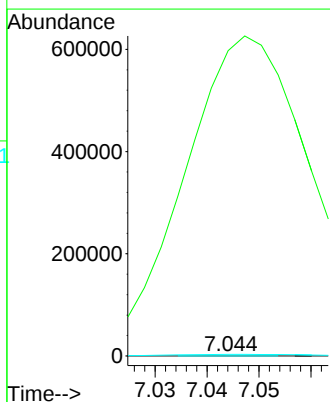
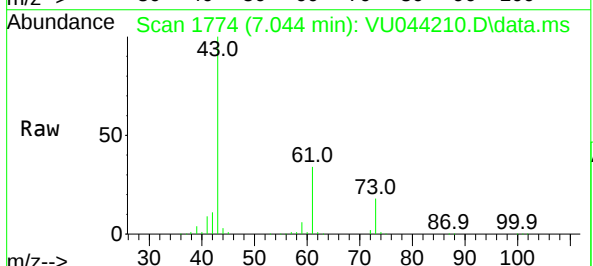
Delta R.T. 0.074 min

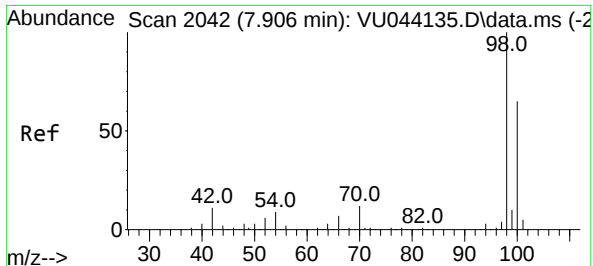
Lab File: VU044210.D

Acq: 15 Jun 2021 03:10

Tgt Ion: 88 Resp: 65

| Ion | Ratio     | Lower | Upper |
|-----|-----------|-------|-------|
| 88  | 100       |       |       |
| 43  | 1757190.8 | 23.4  | 35.0# |
| 58  | 9916.9    | 58.1  | 87.1# |

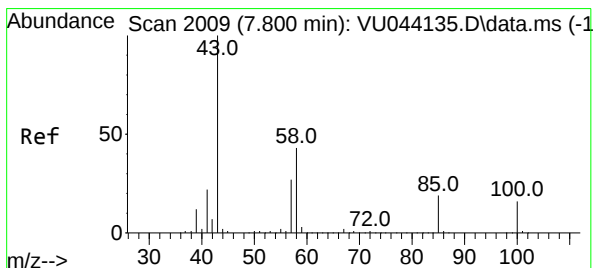
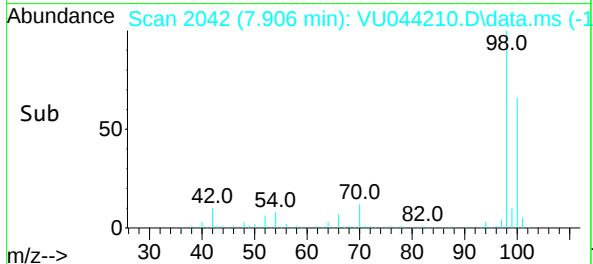
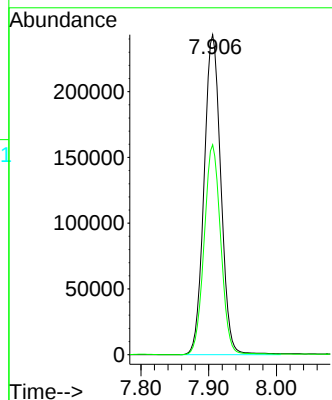
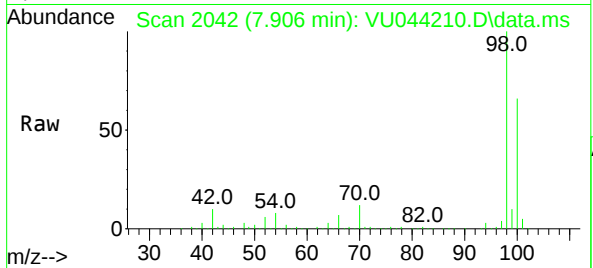




#50  
Toluene-d8  
Concen: 48.048 ug/l  
RT: 7.906 min Scan# 2042  
Delta R.T. -0.000 min  
Lab File: VU044210.D  
Acq: 15 Jun 2021 03:10

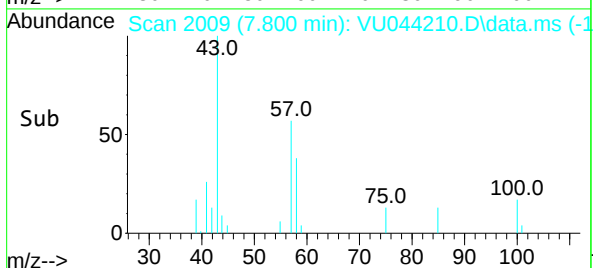
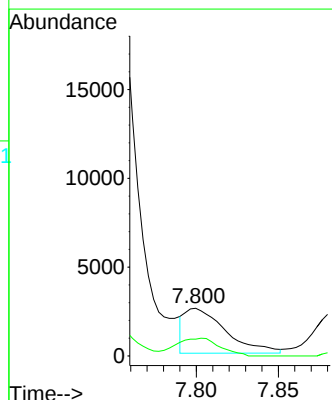
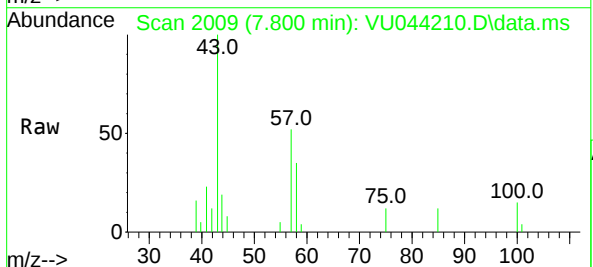
Instrument :  
MSVOA\_U  
ClientSampled :

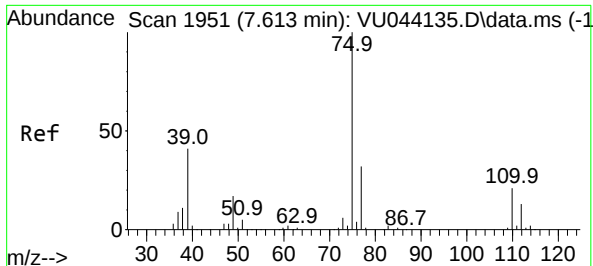
Tgt Ion: 98 Resp: 418221  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.2 78.4



#51  
4-Methyl-2-Pentanone  
Concen: 0.991 ug/l  
RT: 7.800 min Scan# 2009  
Delta R.T. -0.000 min  
Lab File: VU044210.D  
Acq: 15 Jun 2021 03:10

Tgt Ion: 43 Resp: 4419  
Ion Ratio Lower Upper  
43 100  
58 42.0 34.5 51.7

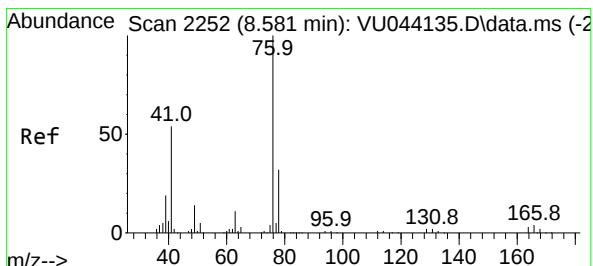
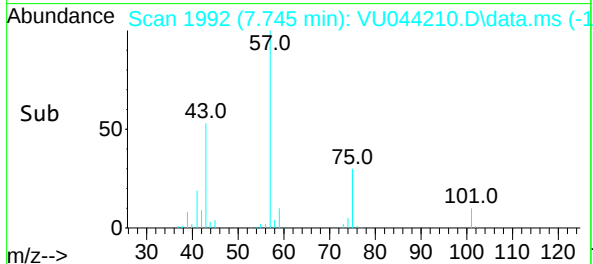
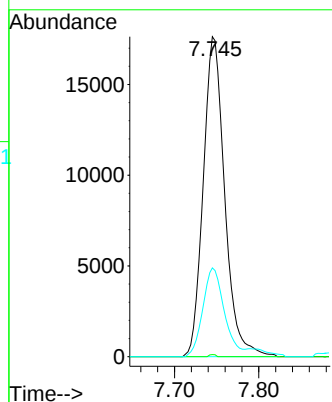
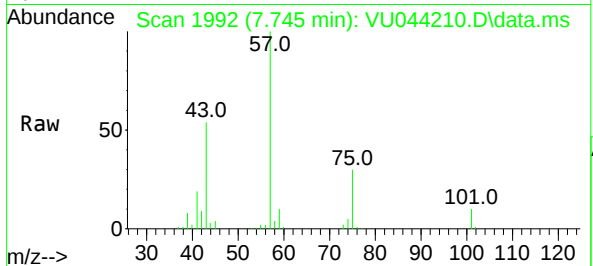




#54  
 cis-1,3-Dichloropropene  
 Concen: 7.159 ug/l  
 RT: 7.745 min Scan# 1992  
 Delta R.T. 0.132 min  
 Lab File: VU044210.D  
 Acq: 15 Jun 2021 03:10

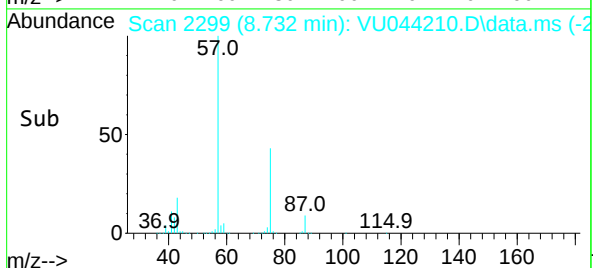
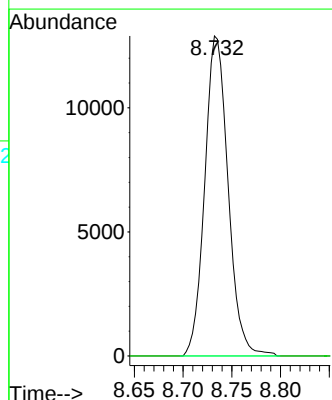
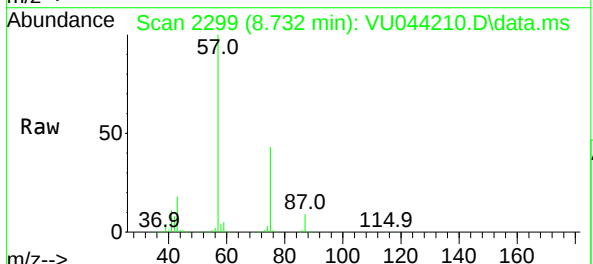
Instrument :  
 MSVOA\_U  
 ClientSampleId :

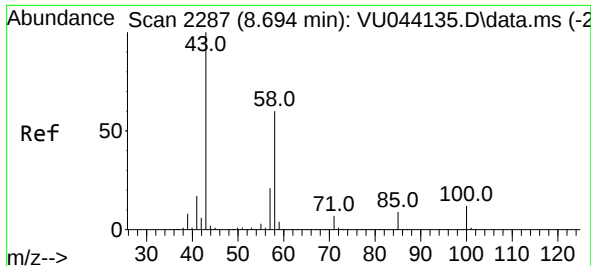
Tgt Ion: 75 Resp: 31274  
 Ion Ratio Lower Upper  
 75 100  
 77 0.7 25.9 38.9#  
 39 27.8 33.2 49.8#



#57  
 1,3-Dichloropropane  
 Concen: 4.532 ug/l  
 RT: 8.732 min Scan# 2299  
 Delta R.T. 0.151 min  
 Lab File: VU044210.D  
 Acq: 15 Jun 2021 03:10

Tgt Ion: 76 Resp: 21503  
 Ion Ratio Lower Upper  
 76 100  
 78 0.0 25.9 38.9#

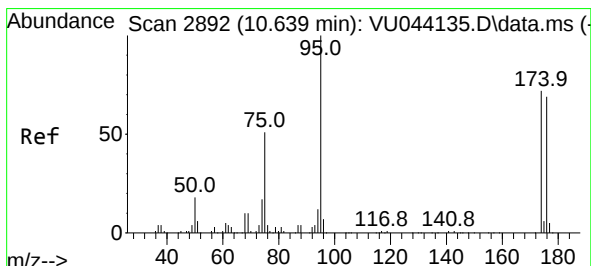
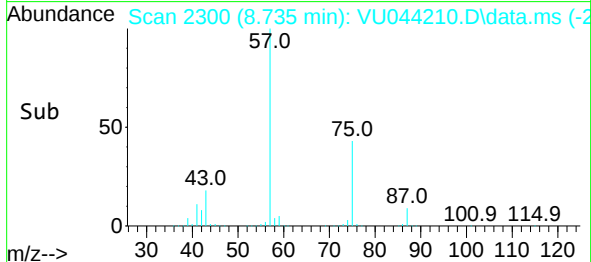
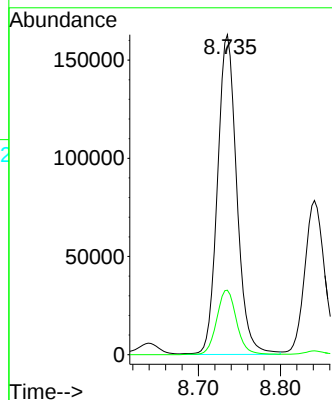
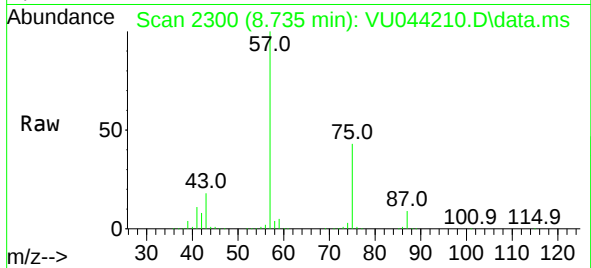




#59  
2-Hexanone  
Concen: 74.698 ug/l  
RT: 8.735 min Scan# 2300  
Delta R.T. 0.041 min  
Lab File: VU044210.D  
Acq: 15 Jun 2021 03:10

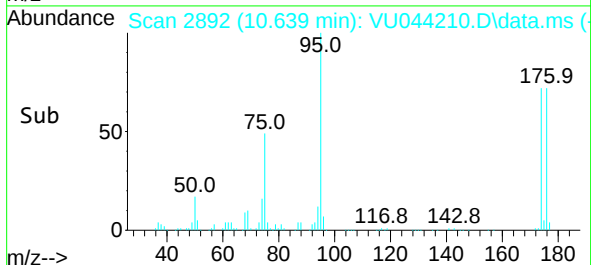
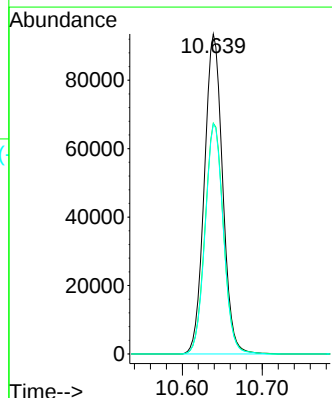
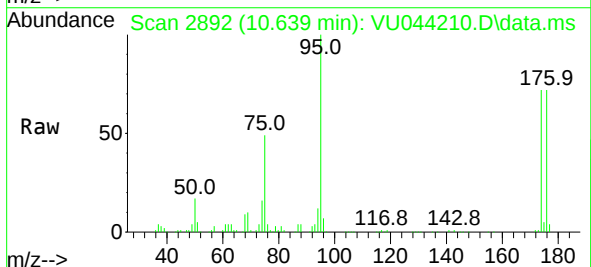
Instrument :  
MSVOA\_U  
ClientSampleId :

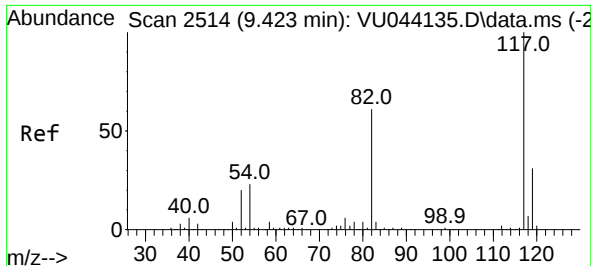
Tgt Ion: 43 Resp: 265729  
Ion Ratio Lower Upper  
43 100  
58 21.0 30.0 90.1#



#62  
4-Bromofluorobenzene  
Concen: 42.631 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. -0.000 min  
Lab File: VU044210.D  
Acq: 15 Jun 2021 03:10

Tgt Ion: 95 Resp: 148706  
Ion Ratio Lower Upper  
95 100  
174 72.9 0.0 144.4  
176 71.7 0.0 138.0

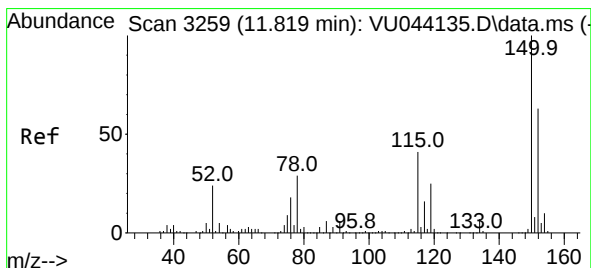
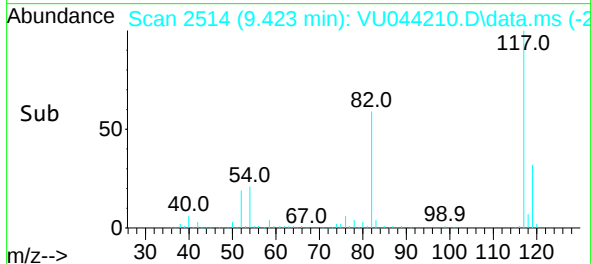
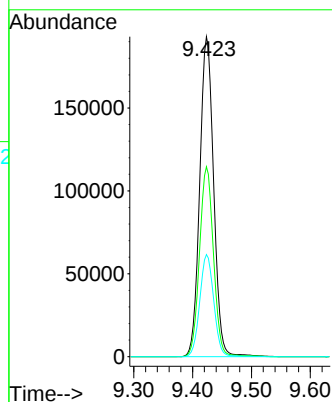
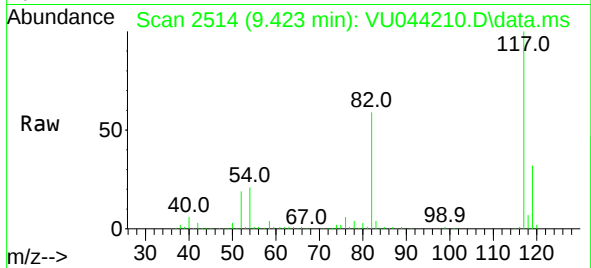




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.423 min Scan# 2514  
Delta R.T. -0.000 min  
Lab File: VU044210.D  
Acq: 15 Jun 2021 03:10

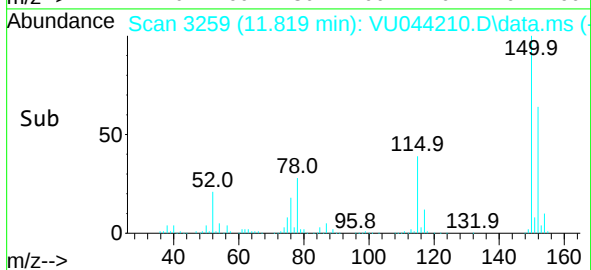
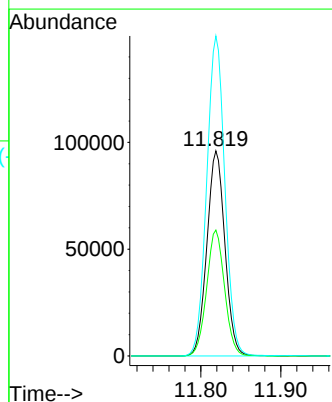
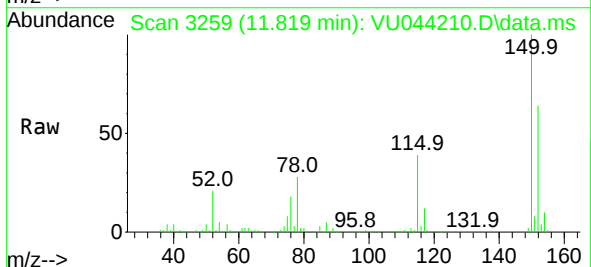
Instrument :  
MSVOA\_U  
ClientSampleId :

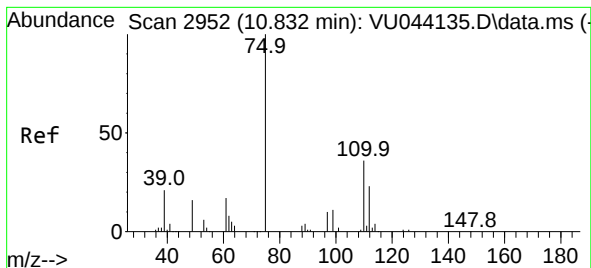
Tgt Ion:117 Resp: 317395  
Ion Ratio Lower Upper  
117 100  
82 59.4 48.8 73.2  
119 31.9 25.0 37.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.819 min Scan# 3259  
Delta R.T. -0.000 min  
Lab File: VU044210.D  
Acq: 15 Jun 2021 03:10

Tgt Ion:152 Resp: 150605  
Ion Ratio Lower Upper  
152 100  
115 61.2 43.8 131.3  
150 156.8 0.0 350.6

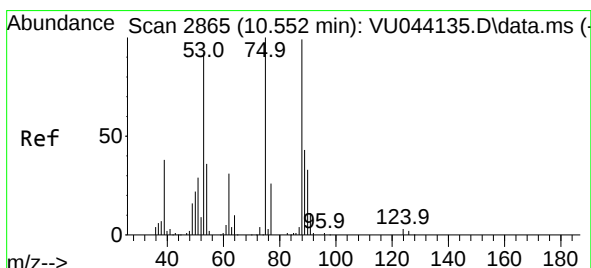
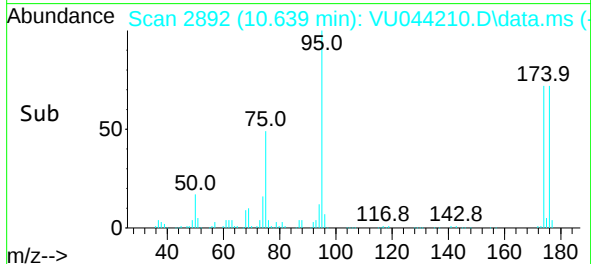
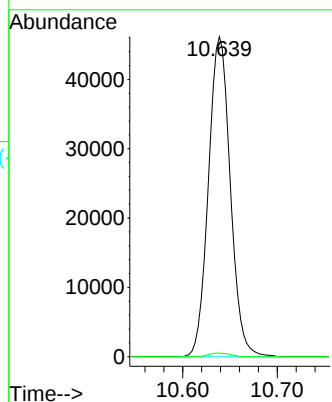
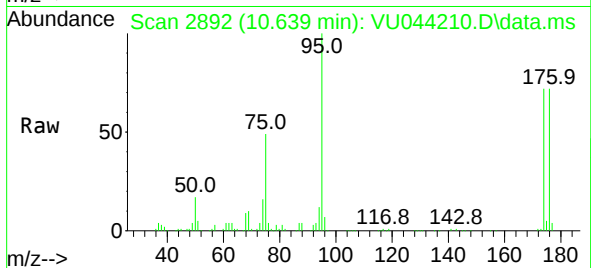




#76  
1,2,3-Trichloropropane  
Concen: 14.684 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. -0.193 min  
Lab File: VU044210.D  
Acq: 15 Jun 2021 03:10

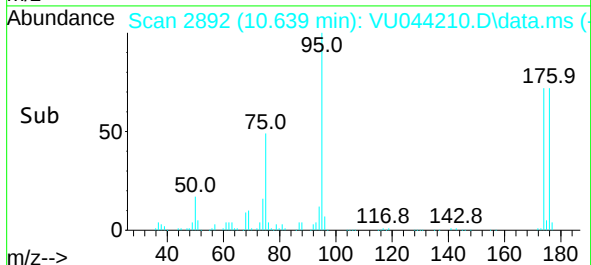
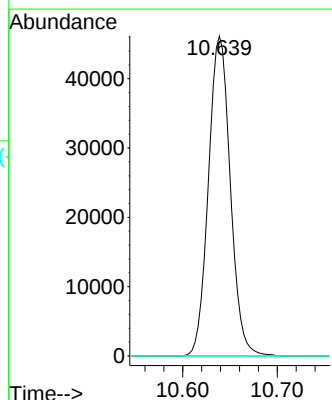
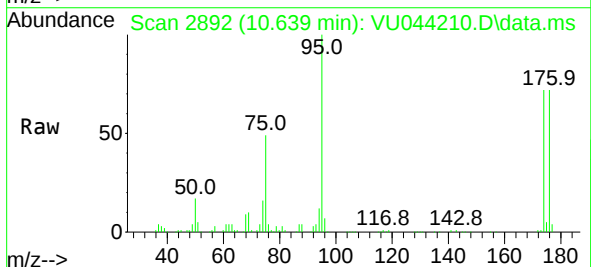
Instrument :  
MSVOA\_U  
ClientSampled :

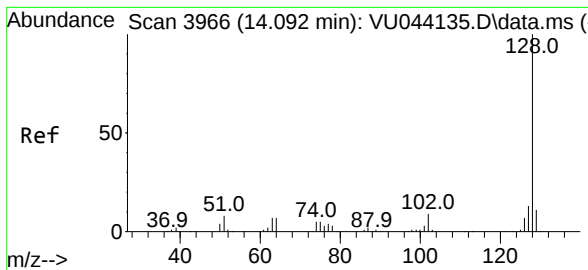
Tgt Ion: 75 Resp: 74145  
Ion Ratio Lower Upper  
75 100  
77 1.1 14.9 44.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 53.228 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. 0.087 min  
Lab File: VU044210.D  
Acq: 15 Jun 2021 03:10

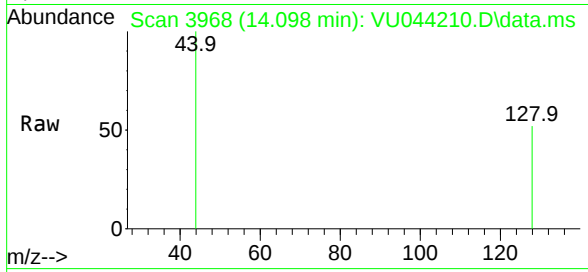
Tgt Ion: 75 Resp: 74145  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.2 111.2#  
89 0.0 35.0 52.6#





#95  
Naphthalene  
Concen: 2.861 ug/l  
RT: 14.098 min Scan# 3968  
Delta R.T. 0.006 min  
Lab File: VU044210.D  
Acq: 15 Jun 2021 03:10

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion:128 Resp: 288  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.2 15.2#  
129 0.0 8.6 13.0#

