

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU053122\  
 Data File : VU048741.D  
 Acq On : 31 May 2022 15:56  
 Operator : SY/MD  
 Sample : N3033-07DL 20X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TW-20DL

Quant Time: Jun 01 02:17:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 27 06:42:31 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.375  | 168  | 241365   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.250  | 114  | 412696   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.417  | 117  | 385255   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.813 | 152  | 200581   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 5.703  | 65    | 192195   | 53.022   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | = 106.040% |      |
| 35) Dibromofluoromethane    | 5.292  | 113   | 148468   | 50.426   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 100.860% |      |
| 50) Toluene-d8              | 7.899  | 98    | 523913   | 49.641   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | = 99.280%  |      |
| 62) 4-Bromofluorobenzene    | 10.633 | 95    | 206185   | 51.656   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 103.320% |      |

|                               |        |     |        |           |        |    |
|-------------------------------|--------|-----|--------|-----------|--------|----|
| Target Compounds              |        |     | Qvalue |           |        |    |
| 3) Chloromethane              | 1.466  | 50  | 8555   | 2.405     | ug/l # | 43 |
| 5) Bromomethane               | 1.855  | 94  | 137    | Below Cal | #      | 3  |
| 6) Chloroethane               | 2.022  | 64  | 1021   | Below Cal | #      | 43 |
| 11) Tert butyl alcohol        | 3.189  | 59  | 8369   | 9.107     | ug/l # | 28 |
| 13) Acrolein                  | 2.501  | 56  | 45     | Below Cal | #      | 14 |
| 14) Allyl chloride            | 3.044  | 41  | 4025   | 0.846     | ug/l # | 71 |
| 15) Acrylonitrile             | 3.356  | 53  | 481    | 0.241     | ug/l # | 4  |
| 16) Acetone                   | 2.594  | 43  | 3811   | 2.063     | ug/l # | 42 |
| 18) Methyl Acetate            | 3.041  | 43  | 9471   | 2.042     | ug/l # | 51 |
| 19) Methyl tert-butyl Ether   | 3.363  | 73  | 7482   | 0.803     | ug/l # | 1  |
| 20) Methylene Chloride        | 3.048  | 84  | 1499   | 0.477     | ug/l # | 74 |
| 23) Vinyl Acetate             | 3.691  | 43  | 3590   | 0.472     | ug/l # | 73 |
| 31) Cyclohexane               | 5.382  | 56  | 15423  | 3.376     | ug/l # | 49 |
| 36) 1,1-Dichloropropene       | 5.372  | 75  | 19567  | 4.554     | ug/l # | 49 |
| 38) Carbon Tetrachloride      | 5.375  | 117 | 24408  | 4.951     | ug/l # | 17 |
| 39) Methylcyclohexane         | 6.765  | 83  | 8263   | 1.834     | ug/l   | 96 |
| 43) Isopropyl Acetate         | 5.900  | 43  | 2097   | 0.266     | ug/l # | 60 |
| 48) Methyl methacrylate       | 6.977  | 41  | 988    | 0.279     | ug/l # | 51 |
| 52) Toluene                   | 7.970  | 92  | 21738  | 2.865     | ug/l   | 98 |
| 55) 1,1,2-Trichloroethane     | 8.369  | 97  | 1511   | 0.451     | ug/l # | 21 |
| 56) Ethyl methacrylate        | 8.375  | 69  | 269    | 2.661     | ug/l # | 1  |
| 58) 2-Chloroethyl Vinyl ether | 7.395  | 63  | 41     | 29.788    | ug/l # | 47 |
| 59) 2-Hexanone                | 8.694  | 43  | 987    | 0.235     | ug/l   | 71 |
| 64) Tetrachloroethene         | 8.549  | 164 | 46     | Below Cal | #      | 1  |
| 67) Ethyl Benzene             | 9.571  | 91  | 473551 | 34.458    | ug/l   | 98 |
| 68) m/p-Xylenes               | 9.694  | 106 | 340379 | 63.327    | ug/l   | 99 |
| 69) o-Xylene                  | 10.102 | 106 | 175296 | 33.196    | ug/l   | 99 |
| 70) Styrene                   | 10.102 | 104 | 11323  | 1.304     | ug/l # | 1  |
| 73) Isopropylbenzene          | 10.485 | 105 | 27606  | 2.132     | ug/l   | 99 |
| 74) N-amyl acetate            | 10.327 | 43  | 111    | 2.483     | ug/l # | 41 |
| 76) 1,2,3-Trichloropropane    | 10.633 | 75  | 105115 | 16.254    | ug/l # | 47 |
| 78) n-propylbenzene           | 10.906 | 91  | 81887  | 5.307     | ug/l   | 98 |
| 79) 2-Chlorotoluene           | 10.999 | 91  | 17022  | 1.774     | ug/l # | 41 |
| 80) 1,3,5-Trimethylbenzene    | 11.089 | 105 | 108980 | 9.677     | ug/l   | 99 |
| 81) trans-1,4-Dichloro-2-b... | 10.633 | 75  | 105115 | 59.014    | ug/l # | 13 |
| 82) 4-Chlorotoluene           | 11.089 | 91  | 12259  | 1.107     | ug/l # | 47 |

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 Operator : SY/MD  
 Sample : N3033-07DL 20X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

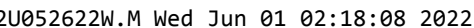
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TW-20DL

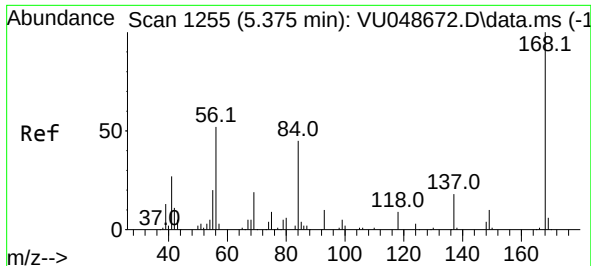
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 27 06:42:31 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|----------------------------|--------|------|----------|--------|--------|----------|
| 83) tert-Butylbenzene      | 11.468 | 119  | 52434    | 4.851  | ug/l # | 58       |
| 84) 1,2,4-Trimethylbenzene | 11.468 | 105  | 436737   | 36.318 | ug/l   | 98       |
| 85) sec-Butylbenzene       | 11.468 | 105  | 436737   | 32.300 | ug/l # | 58       |
| 86) p-Isopropyltoluene     | 11.742 | 119  | 5193     | 0.447  | ug/l   | 97       |
| 89) n-Butylbenzene         | 12.189 | 91   | 10502    | 3.049  | ug/l # | 1        |
| 90) Hexachloroethane       | 12.468 | 117  | 2406     | 1.015  | ug/l # | 10       |
| 95) Naphthalene            | 14.086 | 128  | 207907   | 15.034 | ug/l   | 99       |

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

Quant Time: Jun 01 02:17:57 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 27 06:42:31 2022  
Response via : Initial Calibration

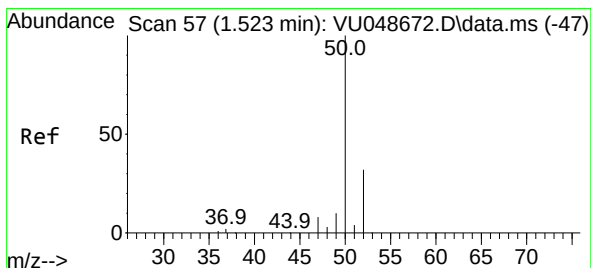
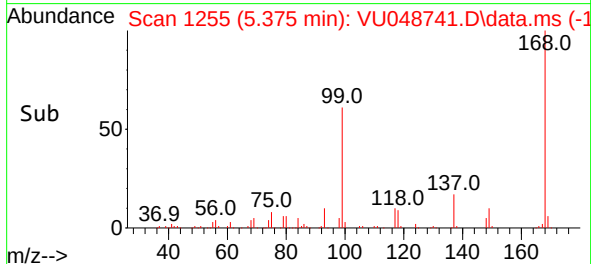
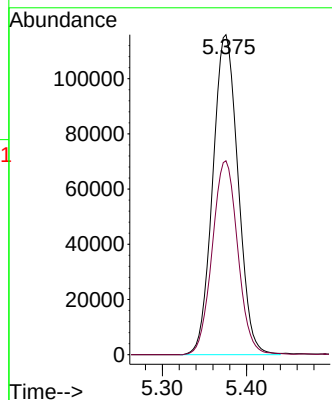
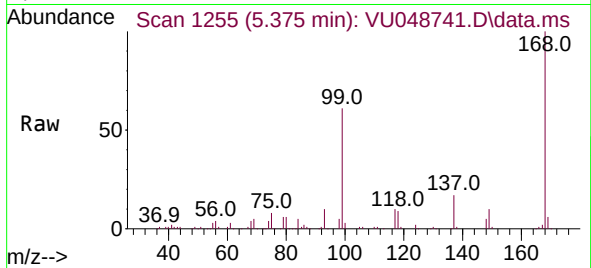




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.375 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

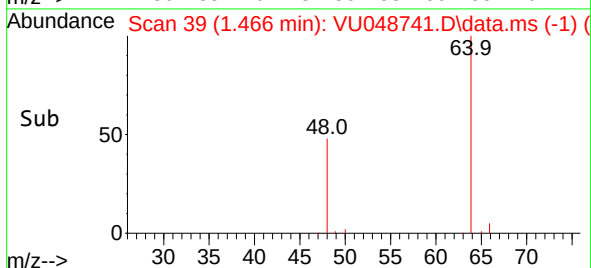
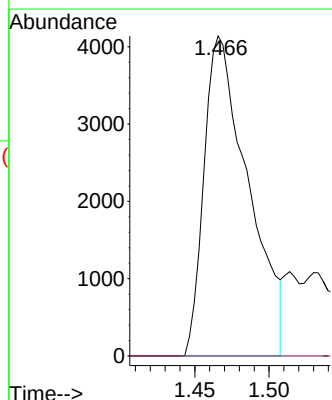
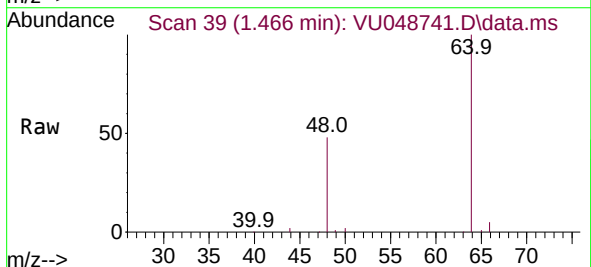
Instrument :  
MSVOA\_U  
ClientSampleId :  
TW-20DL

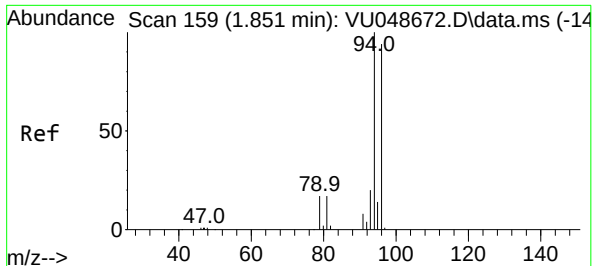
Tgt Ion:168 Resp: 241365  
Ion Ratio Lower Upper  
168 100  
99 60.6 49.3 73.9



#3  
Chloromethane  
Concen: 2.405 ug/l  
RT: 1.466 min Scan# 39  
Delta R.T. -0.058 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

Tgt Ion: 50 Resp: 8555  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.7 38.5#

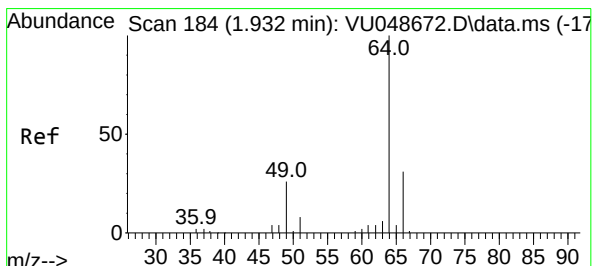
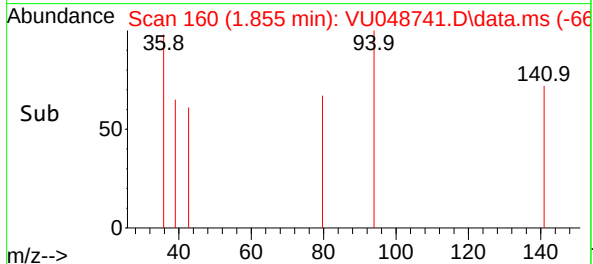
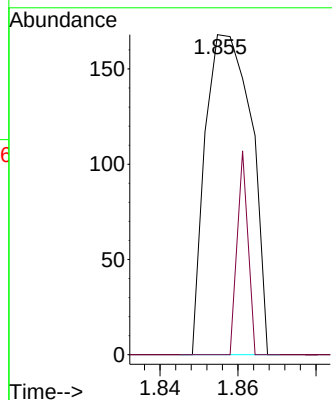
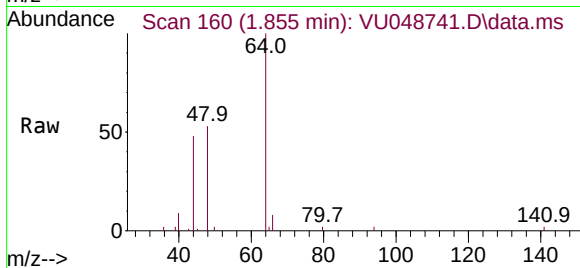




#5  
Bromomethane  
Concen: Below Cal  
RT: 1.855 min Scan# 11  
Delta R.T. 0.004 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

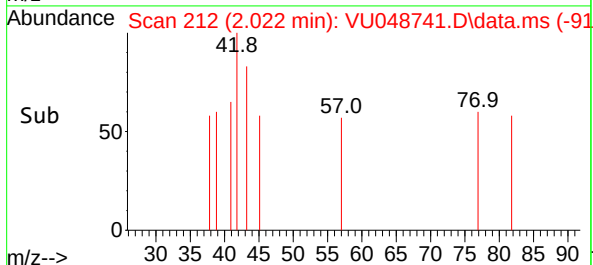
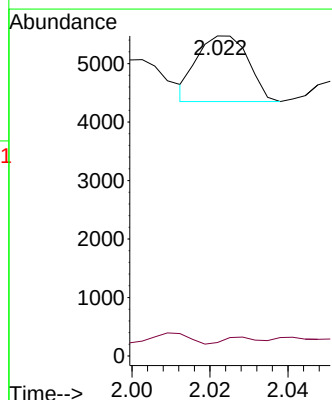
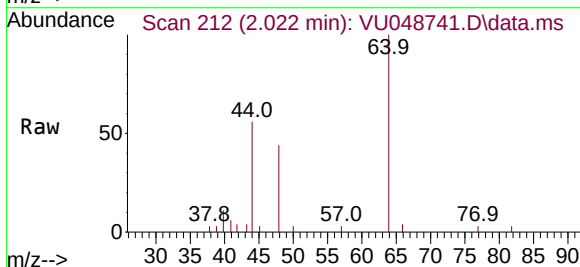
Instrument :  
MSVOA\_U  
ClientSampleId :  
TW-20DL

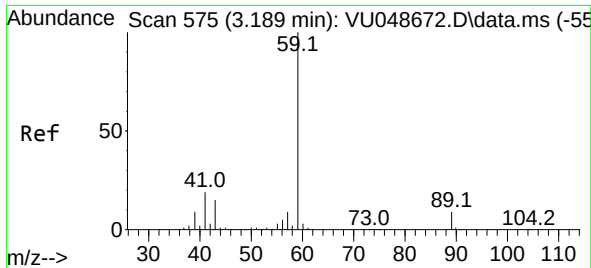
Tgt Ion: 94 Resp: 137  
Ion Ratio Lower Upper  
94 100  
96 0.0 75.1 112.7#



#6  
Chloroethane  
Concen: Below Cal  
RT: 2.022 min Scan# 212  
Delta R.T. 0.090 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

Tgt Ion: 64 Resp: 1021  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.2 37.8#

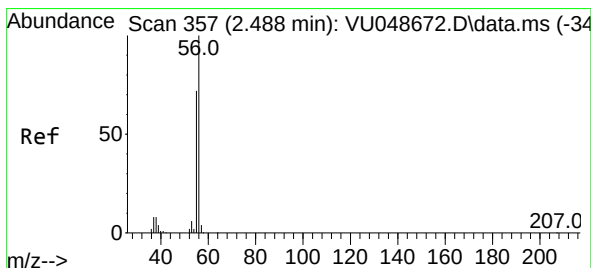
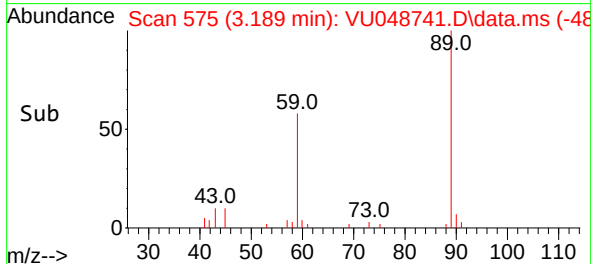
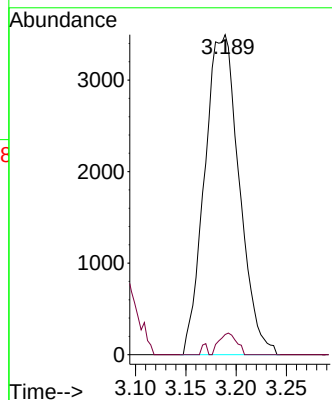
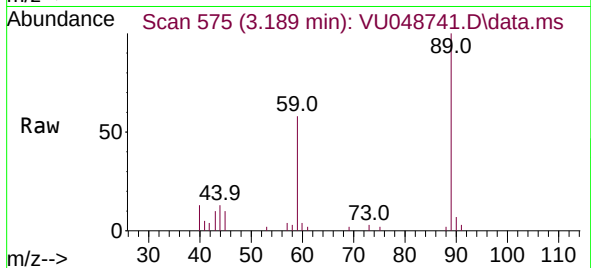




#11  
Tert butyl alcohol  
Concen: 9.107 ug/l  
RT: 3.189 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

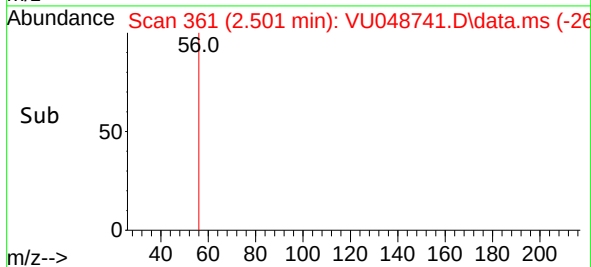
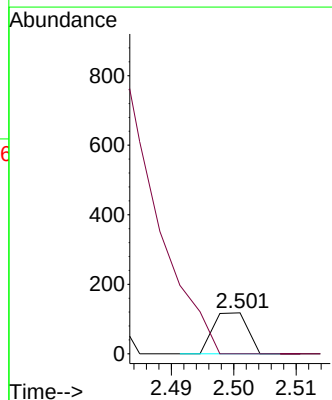
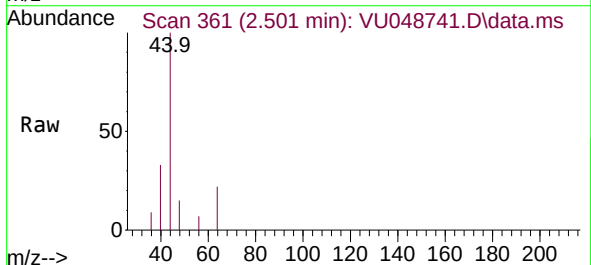
Instrument :  
MSVOA\_U  
ClientSampleId :  
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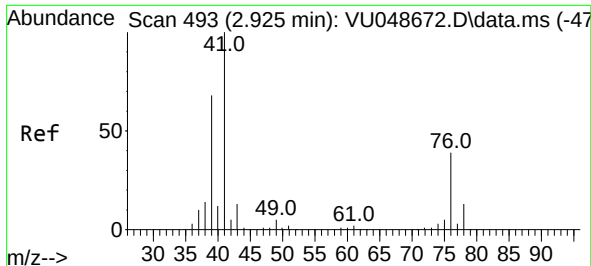
Tgt Ion: 59 Resp: 8369  
Ion Ratio Lower Upper  
59 100  
57 0.0 39.7 59.5#



#13  
Acrolein  
Concen: Below Cal  
RT: 2.501 min Scan# 361  
Delta R.T. 0.013 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

Tgt Ion: 56 Resp: 45  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.7 86.5#

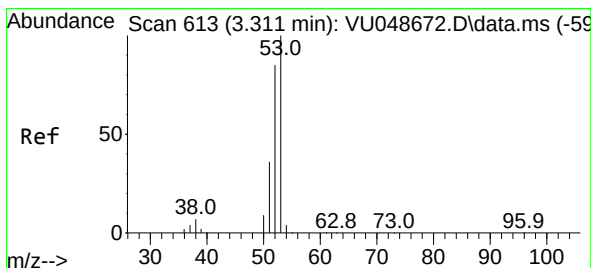
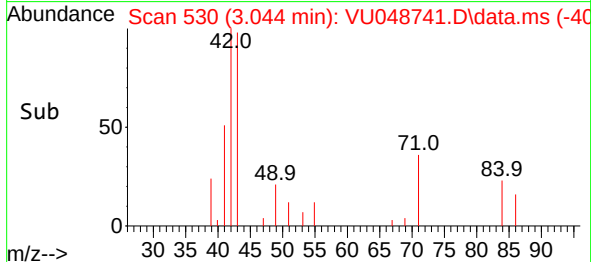
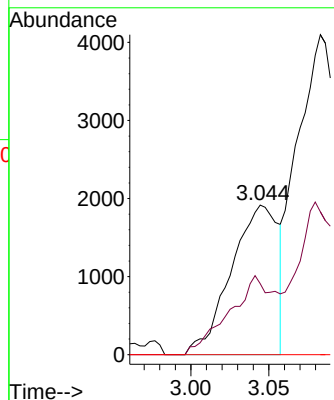
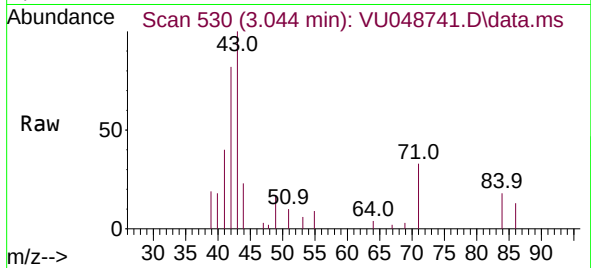




#14  
 Allyl chloride  
 Concen: 0.846 ug/l  
 RT: 3.044 min Scan# 51  
 Delta R.T. 0.119 min  
 Lab File: VU048741.D  
 Acq: 31 May 2022 15:56

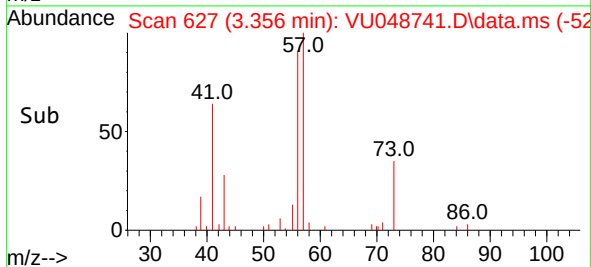
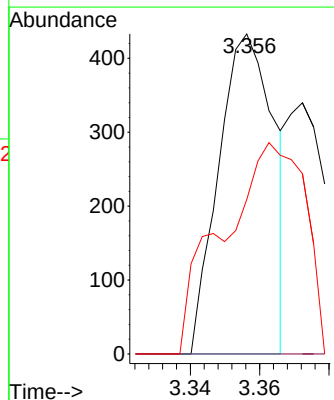
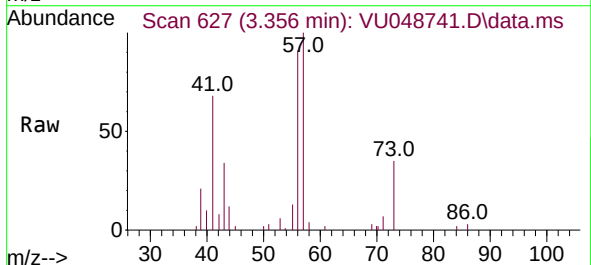
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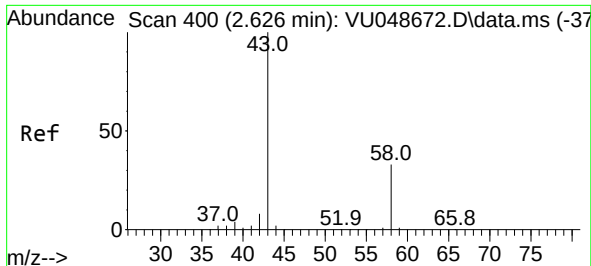
Tgt Ion: 41 Resp: 4025  
 Ion Ratio Lower Upper  
 41 100  
 39 51.2 48.6 72.8  
 76 0.0 27.0 40.4#



#15  
 Acrylonitrile  
 Concen: 0.241 ug/l  
 RT: 3.356 min Scan# 627  
 Delta R.T. 0.045 min  
 Lab File: VU048741.D  
 Acq: 31 May 2022 15:56

Tgt Ion: 53 Resp: 481  
 Ion Ratio Lower Upper  
 53 100  
 52 0.0 66.3 99.5#  
 51 98.1 28.6 42.8#

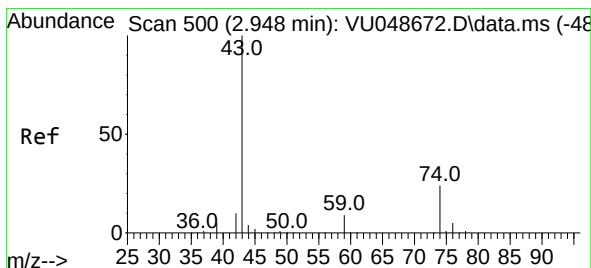
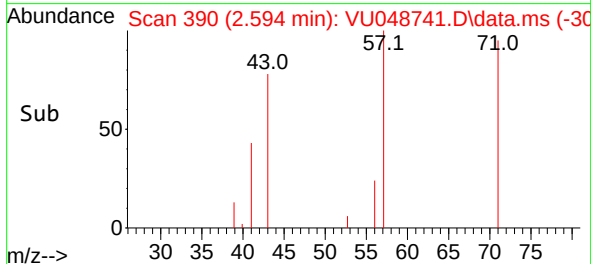
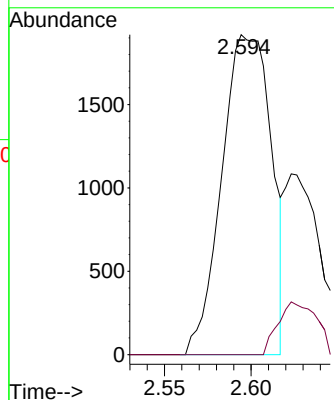
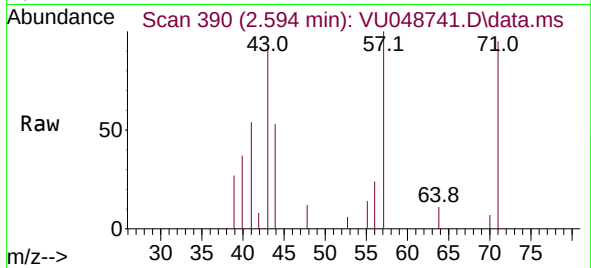




#16  
Acetone  
Concen: 2.063 ug/l  
RT: 2.594 min Scan# 390  
Delta R.T. -0.032 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

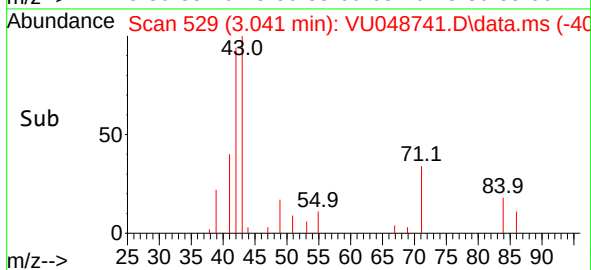
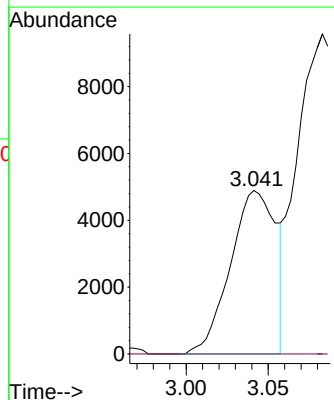
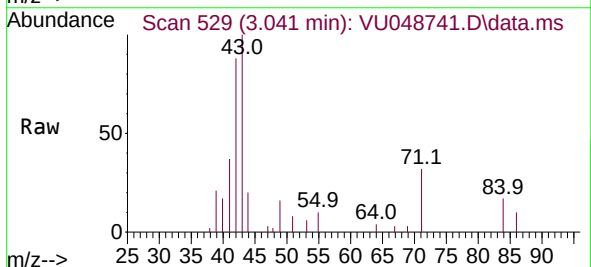
Instrument :  
MSVOA\_U  
ClientSampleId :  
TW-20DL

Tgt Ion: 43 Resp: 3811  
Ion Ratio Lower Upper  
43 100  
58 0.0 26.3 39.5#

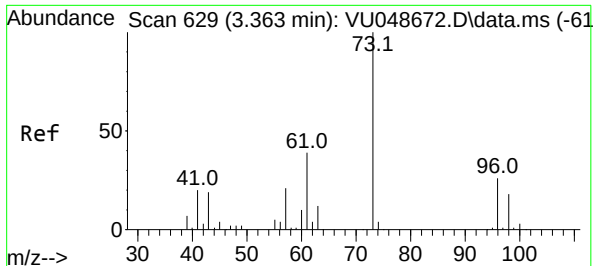


#18  
Methyl Acetate  
Concen: 2.042 ug/l  
RT: 3.041 min Scan# 529  
Delta R.T. 0.093 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

Tgt Ion: 43 Resp: 9471  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.2 28.8#







#19

Methyl tert-butyl Ether

Concen: 0.803 ug/l

RT: 3.363 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU048741.D

Acq: 31 May 2022 15:56

Instrument :

MSVOA\_U

ClientSampleId :

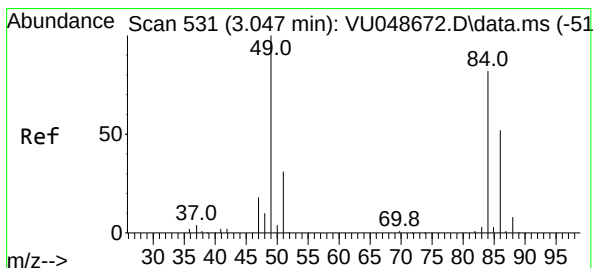
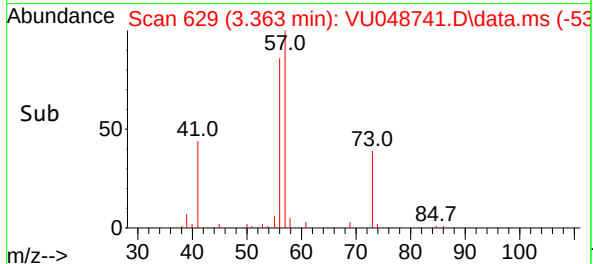
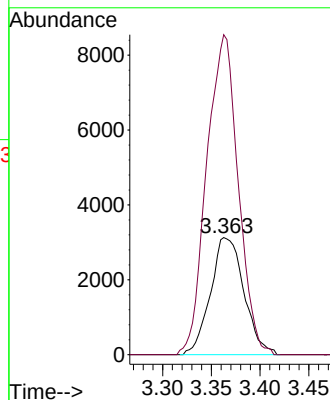
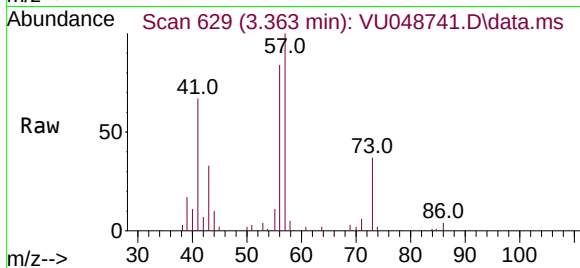
TW-20DL

Tgt Ion: 73 Resp: 7482

Ion Ratio Lower Upper

73 100

57 273.0 17.1 25.7#



#20

Methylene Chloride

Concen: 0.477 ug/l

RT: 3.048 min Scan# 531

Delta R.T. 0.000 min

Lab File: VU048741.D

Acq: 31 May 2022 15:56

Tgt Ion: 84 Resp: 1499

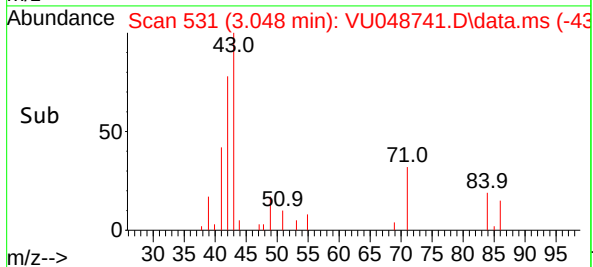
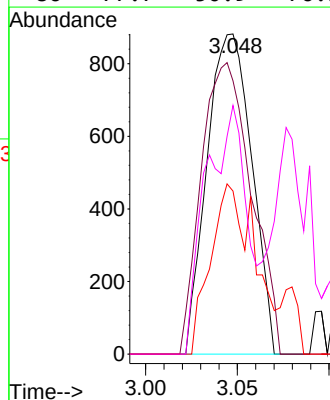
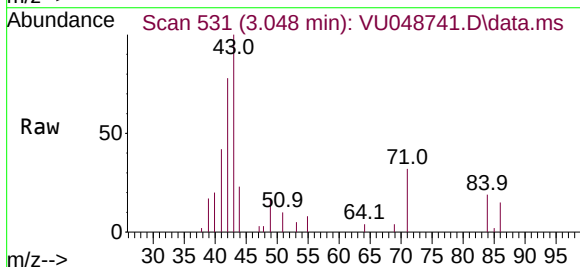
Ion Ratio Lower Upper

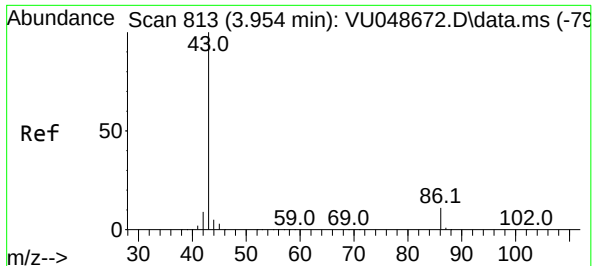
84 100

49 85.4 97.0 145.4#

51 50.9 29.8 44.8#

86 77.7 50.9 76.3#

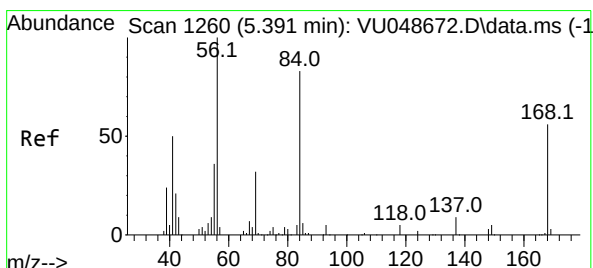
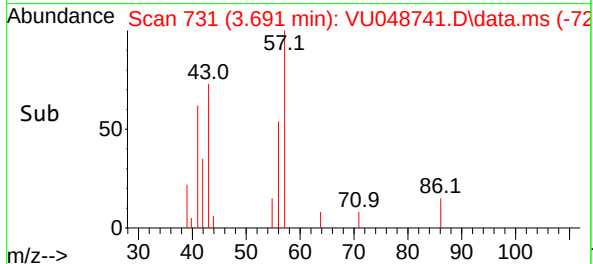
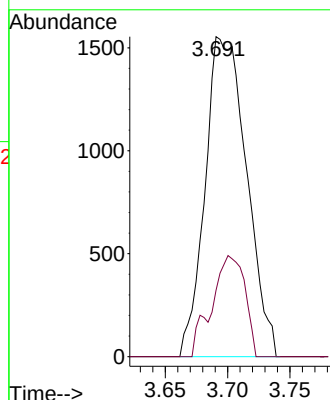
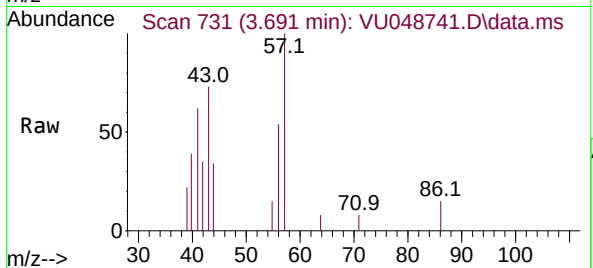




#23  
 Vinyl Acetate  
 Concen: 0.472 ug/l  
 RT: 3.691 min Scan# 71  
 Delta R.T. -0.263 min  
 Lab File: VU048741.D  
 Acq: 31 May 2022 15:56

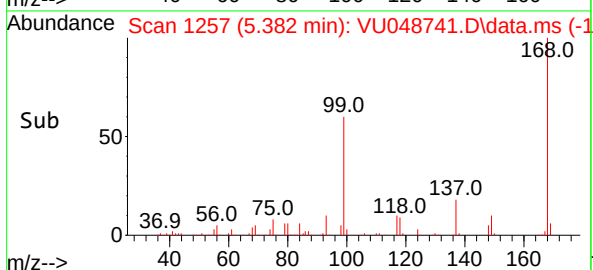
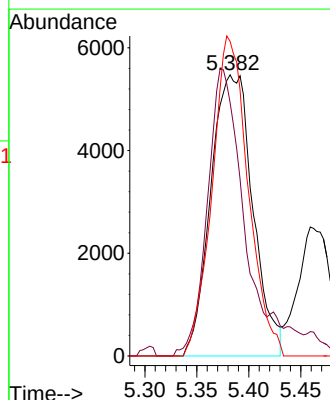
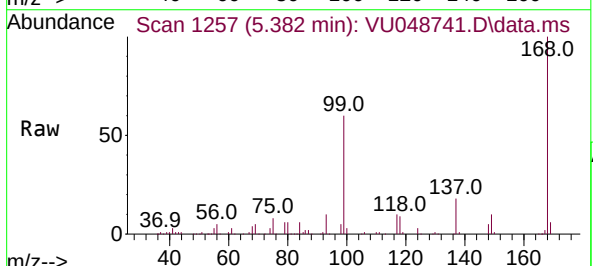
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TW-20DL

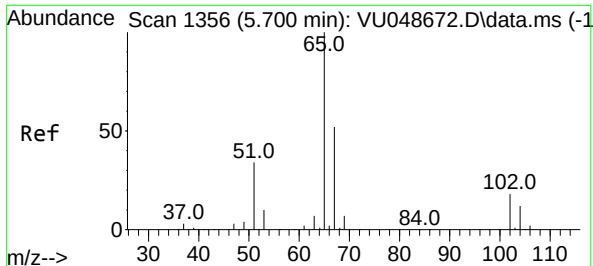
Tgt Ion: 43 Resp: 3590  
 Ion Ratio Lower Upper  
 43 100  
 86 20.7 8.4 12.6#



#31  
 Cyclohexane  
 Concen: 3.376 ug/l  
 RT: 5.382 min Scan# 1257  
 Delta R.T. -0.009 min  
 Lab File: VU048741.D  
 Acq: 31 May 2022 15:56

Tgt Ion: 56 Resp: 15423  
 Ion Ratio Lower Upper  
 56 100  
 69 87.9 25.6 38.4#  
 84 111.9 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 53.022 ug/l

RT: 5.703 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU048741.D

Acq: 31 May 2022 15:56

Instrument :

MSVOA\_U

ClientSampleId :

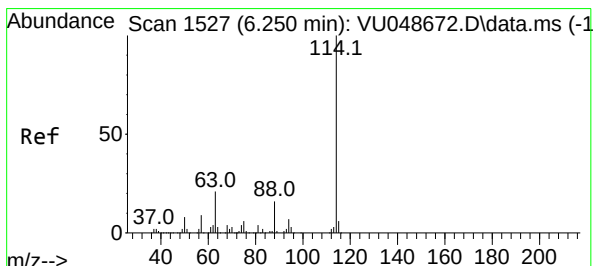
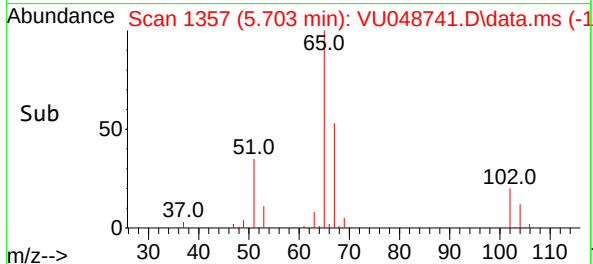
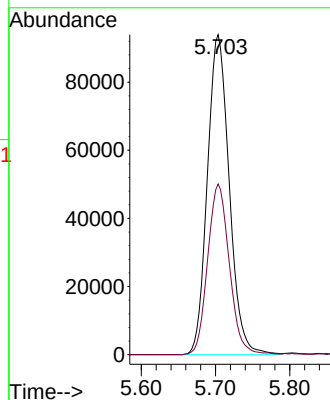
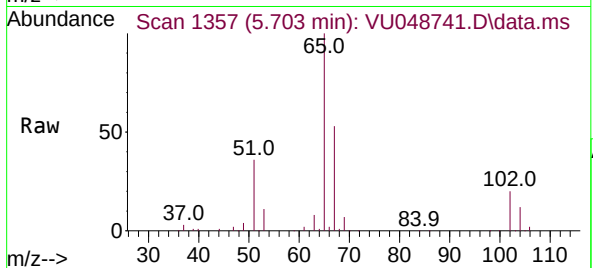
TW-20DL

Tgt Ion: 65 Resp: 192195

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. 0.000 min

Lab File: VU048741.D

Acq: 31 May 2022 15:56

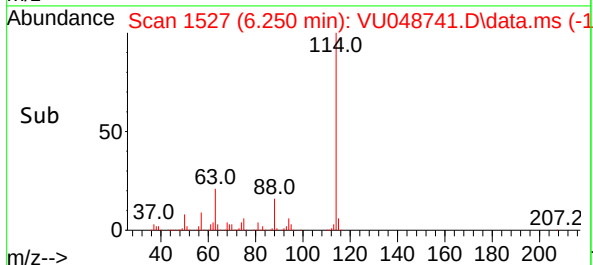
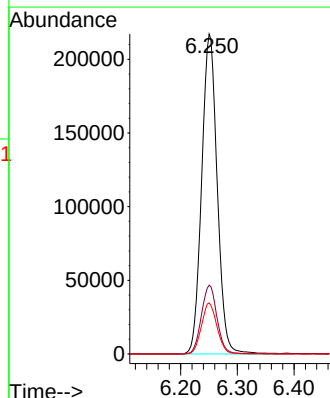
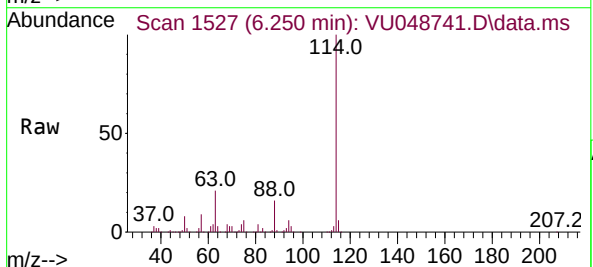
Tgt Ion: 114 Resp: 412696

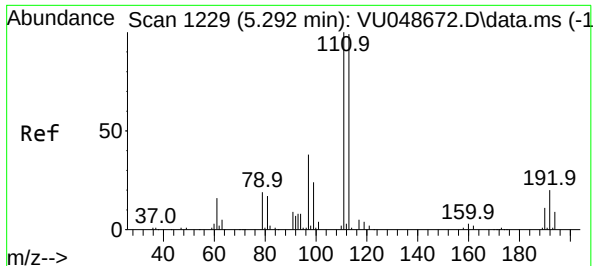
Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.6

88 15.9 0.0 32.2

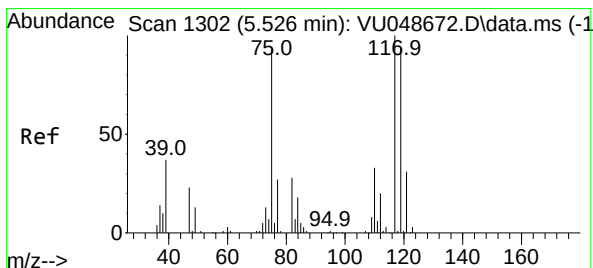
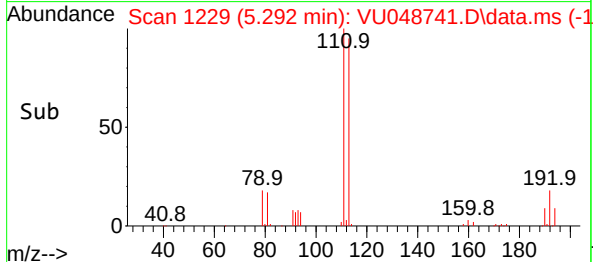
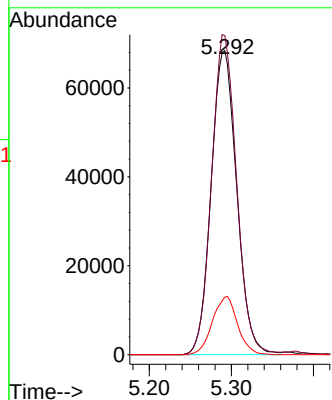
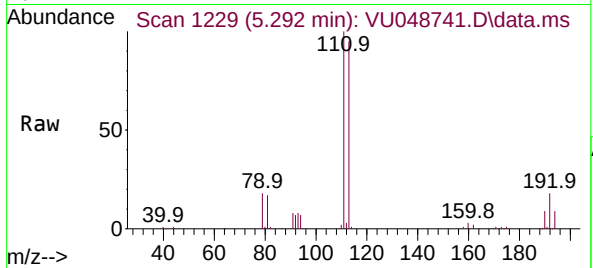




#35  
Dibromofluoromethane  
Concen: 50.426 ug/l  
RT: 5.292 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

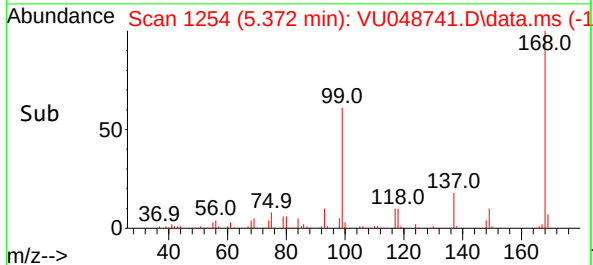
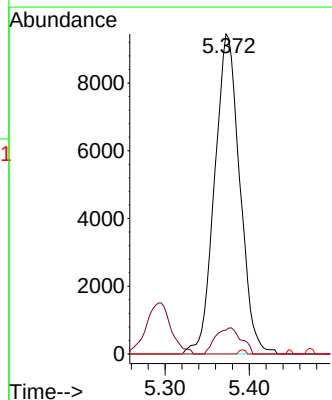
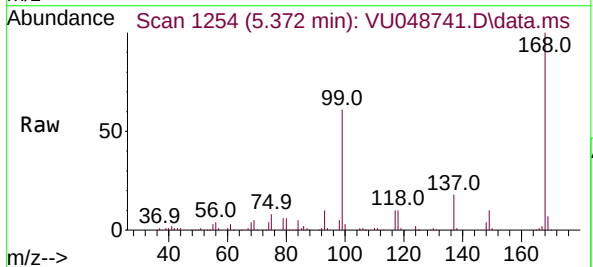
Instrument :  
MSVOA\_U  
ClientSampleId :  
TW-20DL

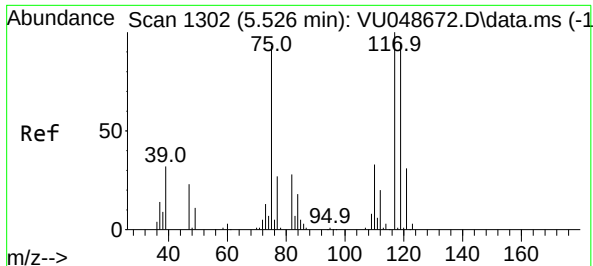
Tgt Ion:113 Resp: 148468  
Ion Ratio Lower Upper  
113 100  
111 102.9 80.7 121.1  
192 18.8 15.9 23.9



#36  
1,1-Dichloropropene  
Concen: 4.554 ug/l  
RT: 5.372 min Scan# 1254  
Delta R.T. -0.154 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

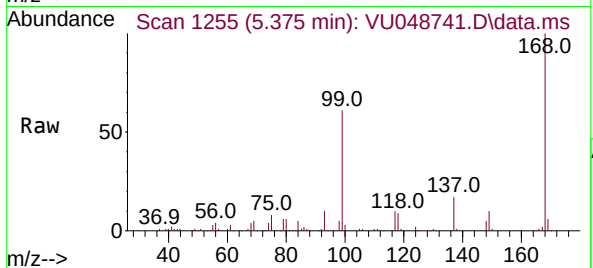
Tgt Ion: 75 Resp: 19567  
Ion Ratio Lower Upper  
75 100  
110 8.3 17.4 52.3#  
77 0.3 24.8 37.2#



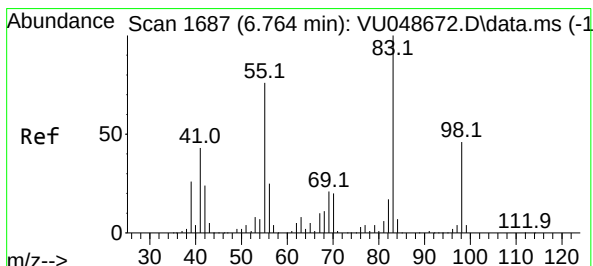
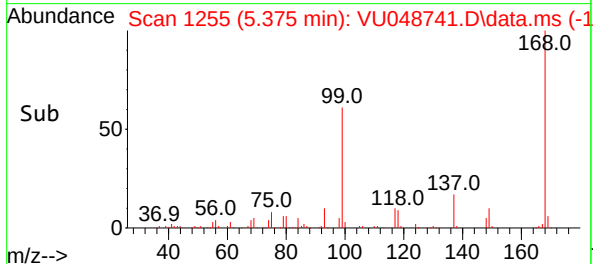
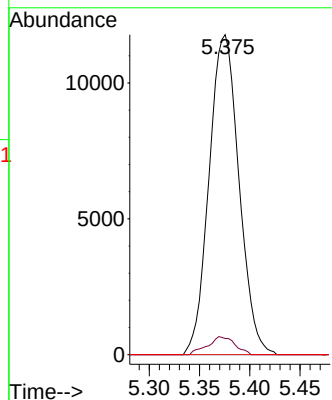


#38  
Carbon Tetrachloride  
Concen: 4.951 ug/l  
RT: 5.375 min Scan# 117  
Delta R.T. -0.151 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

Instrument :  
MSVOA\_U  
ClientSampleId :  
TW-20DL

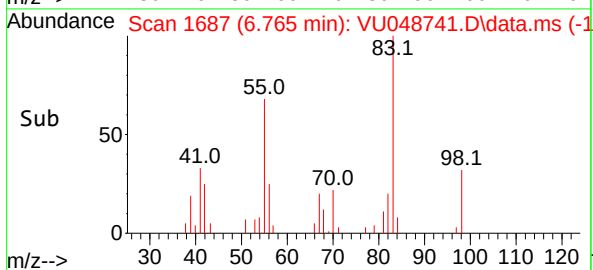
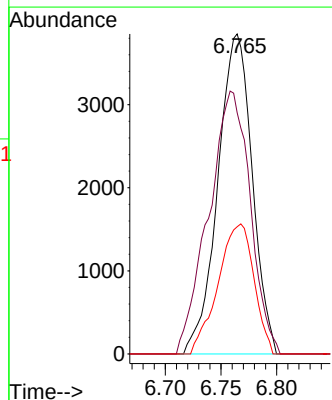
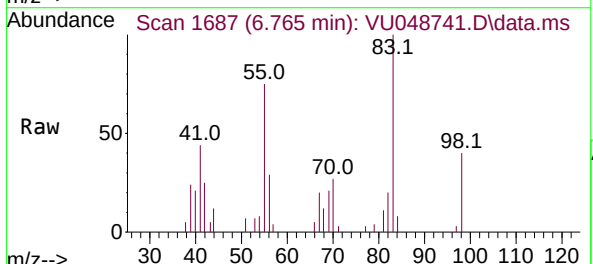


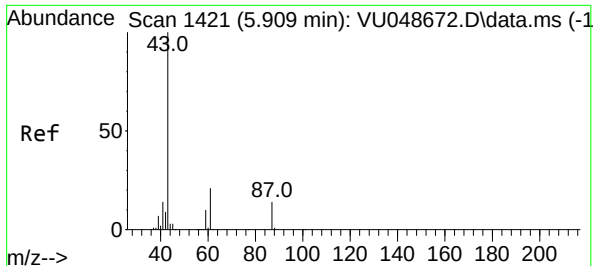
Tgt Ion:117 Resp: 24408  
Ion Ratio Lower Upper  
117 100  
119 5.0 75.4 113.2#  
121 0.0 24.6 36.8#



#39  
Methylcyclohexane  
Concen: 1.834 ug/l  
RT: 6.765 min Scan# 1687  
Delta R.T. 0.000 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

Tgt Ion: 83 Resp: 8263  
Ion Ratio Lower Upper  
83 100  
55 75.4 61.0 91.6  
98 39.8 36.8 55.2

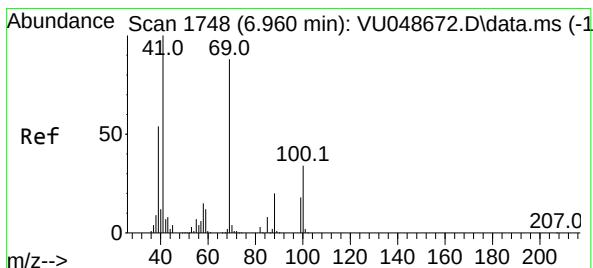
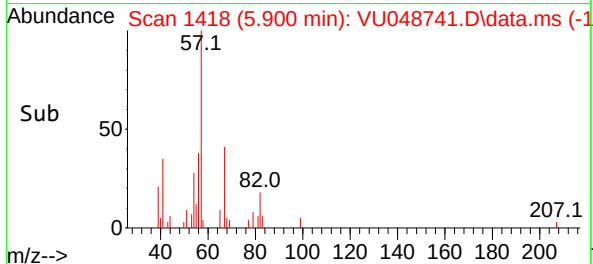
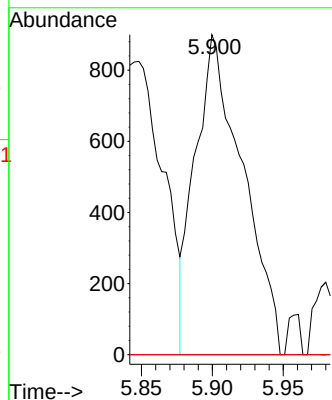
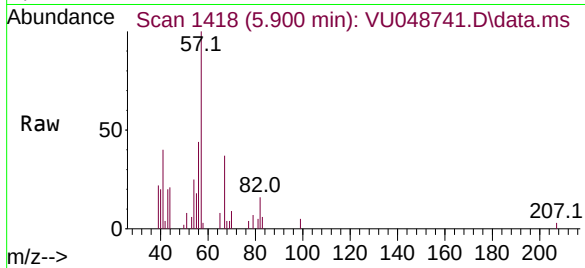




#43  
Isopropyl Acetate  
Concen: 0.266 ug/l  
RT: 5.900 min Scan# 1418  
Delta R.T. -0.009 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

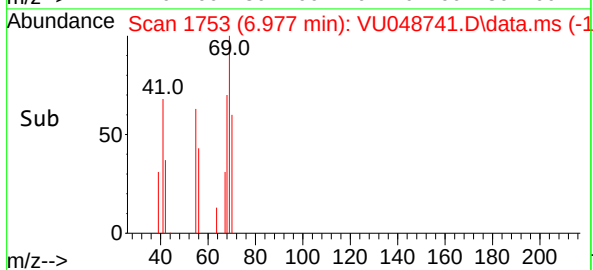
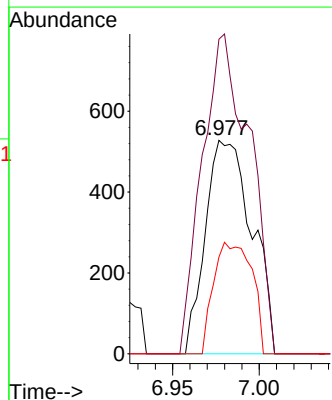
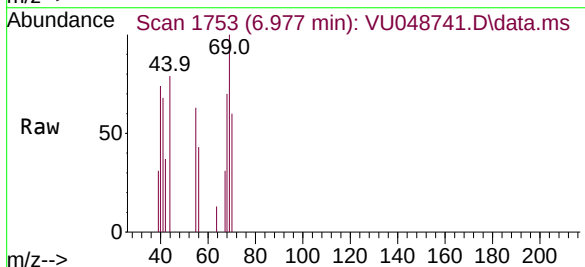
Instrument :  
MSVOA\_U  
ClientSampleId :  
TW-20DL

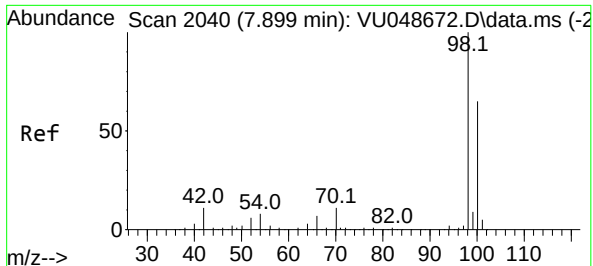
Tgt Ion: 43 Resp: 2097  
Ion Ratio Lower Upper  
43 100  
61 0.0 16.7 25.1#  
87 0.0 10.9 16.3#



#48  
Methyl methacrylate  
Concen: 0.279 ug/l  
RT: 6.977 min Scan# 1753  
Delta R.T. 0.016 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

Tgt Ion: 41 Resp: 988  
Ion Ratio Lower Upper  
41 100  
69 152.5 70.7 106.1#  
39 42.5 43.4 65.2#

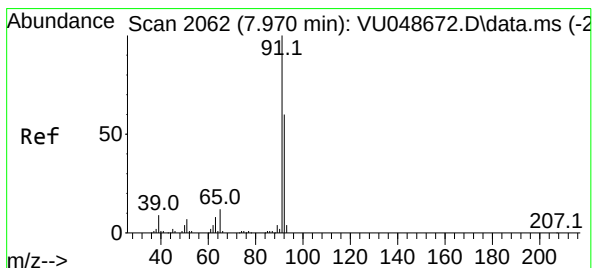
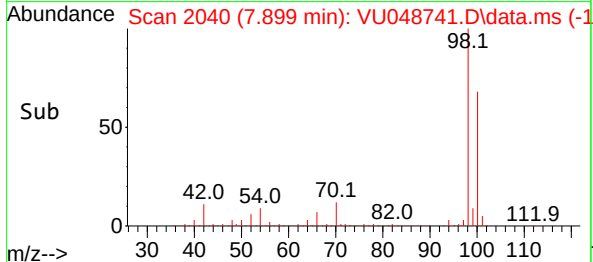
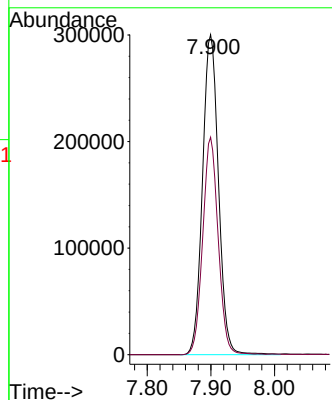
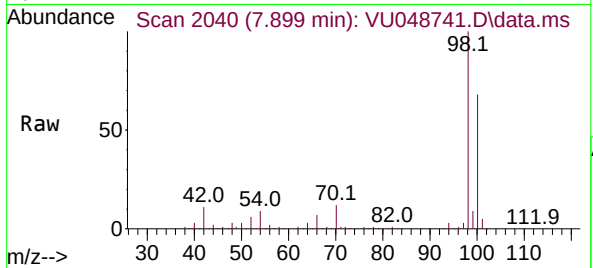




#50  
Toluene-d8  
Concen: 49.641 ug/l  
RT: 7.899 min Scan# 2040  
Delta R.T. 0.000 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

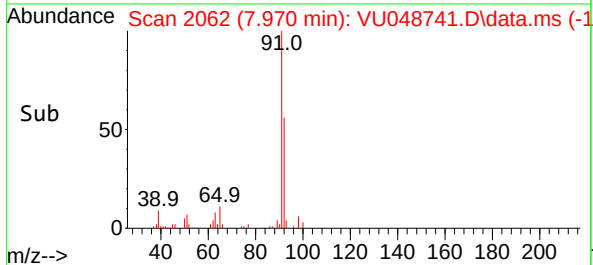
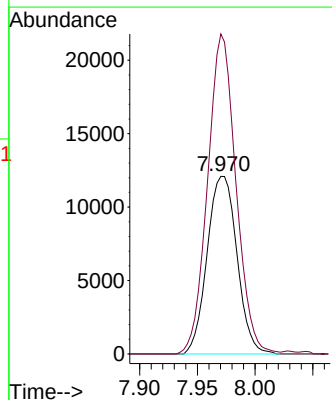
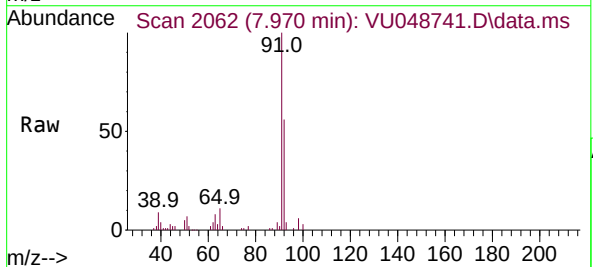
Instrument :  
MSVOA\_U  
ClientSampleId :  
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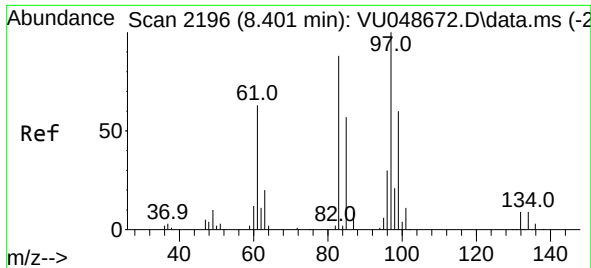
Tgt Ion: 98 Resp: 523913  
Ion Ratio Lower Upper  
98 100  
100 65.7 52.2 78.4



#52  
Toluene  
Concen: 2.865 ug/l  
RT: 7.970 min Scan# 2062  
Delta R.T. 0.000 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

Tgt Ion: 92 Resp: 21738  
Ion Ratio Lower Upper  
92 100  
91 171.3 135.0 202.4

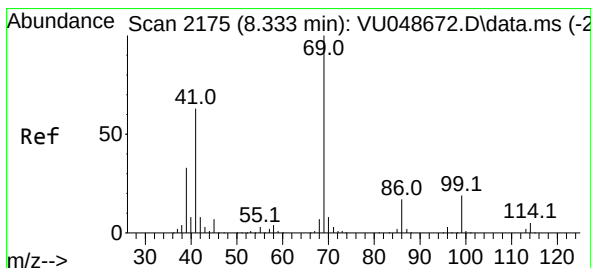
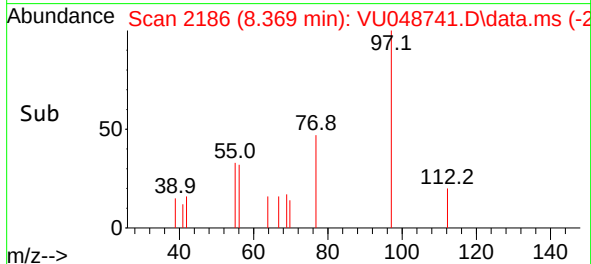
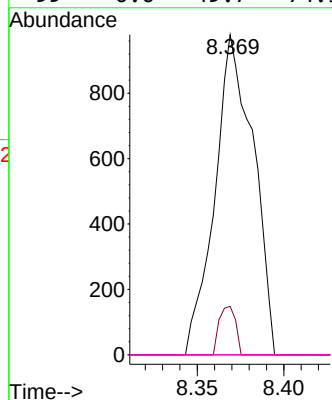
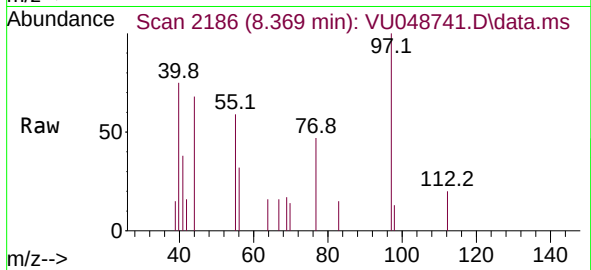




#55  
 1,1,2-Trichloroethane  
 Concen: 0.451 ug/l  
 RT: 8.369 min Scan# 2196  
 Delta R.T. -0.032 min  
 Lab File: VU048741.D  
 Acq: 31 May 2022 15:56

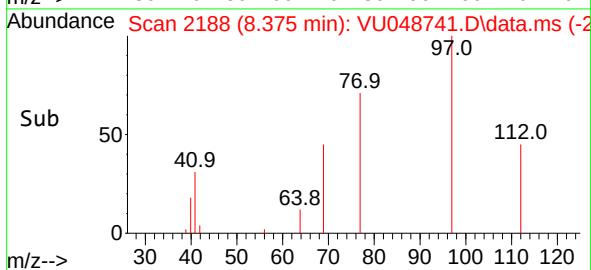
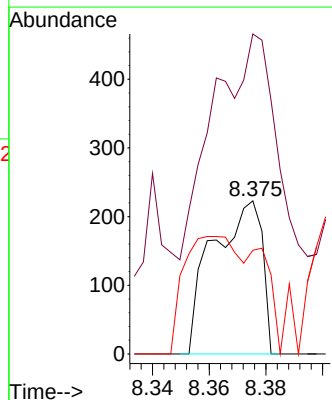
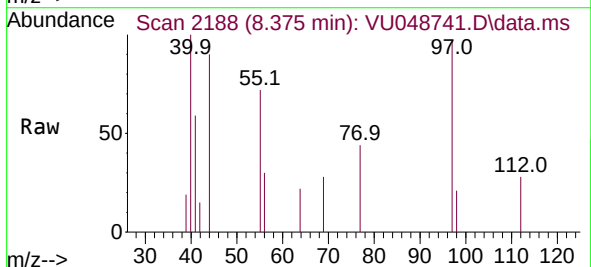
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TW-20DL

|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 1511  |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 15.1     | 70.2 105.4# |
| 85 0.0      | 45.6 68.4#  |
| 99 0.0      | 49.7 74.5#  |

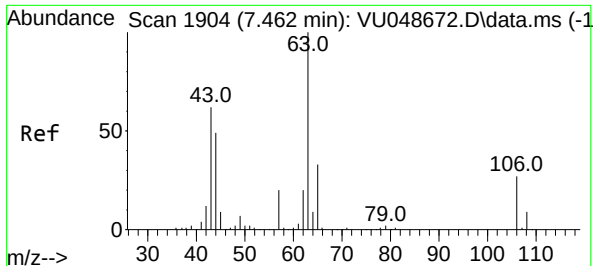


#56  
 Ethyl methacrylate  
 Concen: 2.661 ug/l  
 RT: 8.375 min Scan# 2188  
 Delta R.T. 0.042 min  
 Lab File: VU048741.D  
 Acq: 31 May 2022 15:56

|             |             |
|-------------|-------------|
| Tgt Ion: 69 | Resp: 269   |
| Ion Ratio   | Lower Upper |
| 69 100      |             |
| 41 318.2    | 50.6 76.0#  |
| 39 87.4     | 26.6 40.0#  |



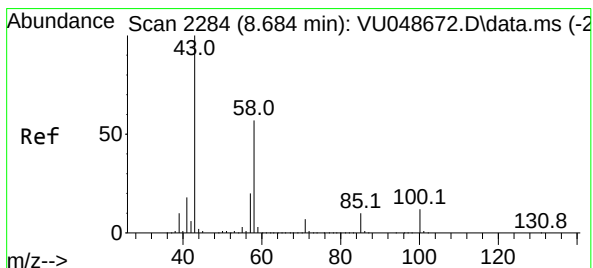
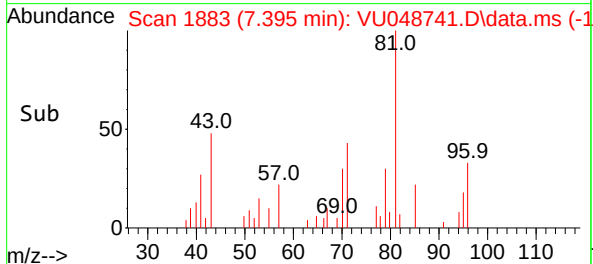
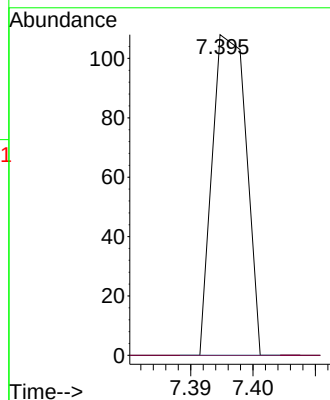
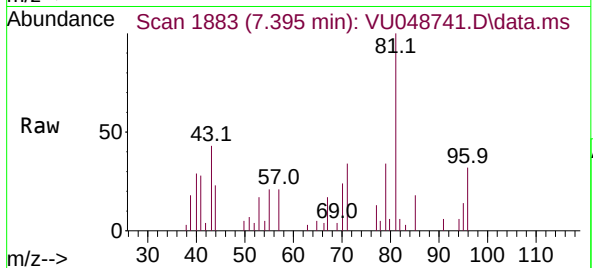




#58  
2-Chloroethyl Vinyl ether  
Concen: 29.788 ug/l  
RT: 7.395 min Scan# 1883  
Delta R.T. -0.067 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

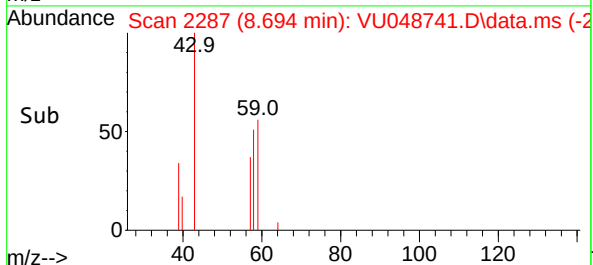
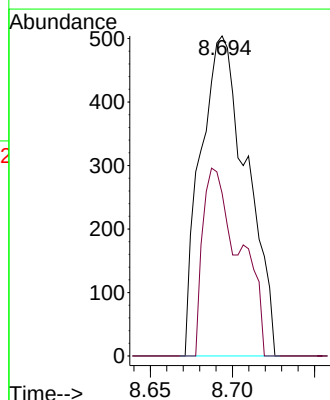
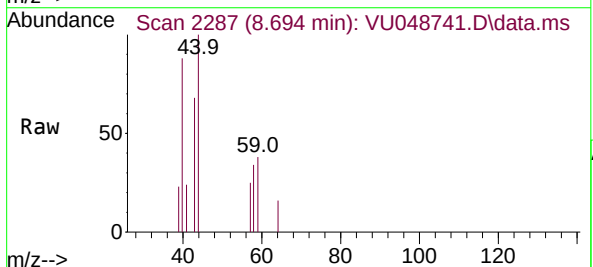
Instrument :  
MSVOA\_U  
ClientSampleId :  
TW-20DL

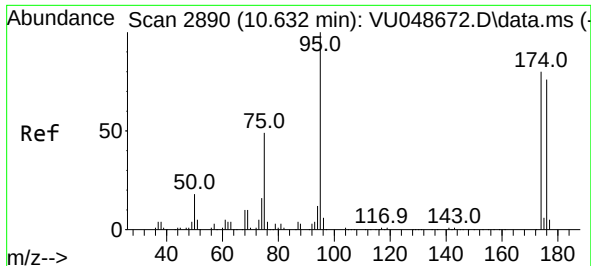
Tgt Ion: 63 Resp: 41  
Ion Ratio Lower Upper  
63 100  
106 0.0 22.2 33.2#



#59  
2-Hexanone  
Concen: 0.235 ug/l  
RT: 8.694 min Scan# 2287  
Delta R.T. 0.010 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

Tgt Ion: 43 Resp: 987  
Ion Ratio Lower Upper  
43 100  
58 35.2 28.2 84.6

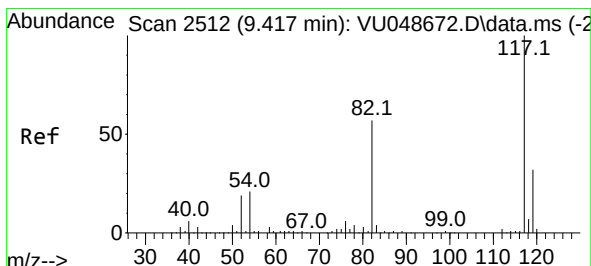
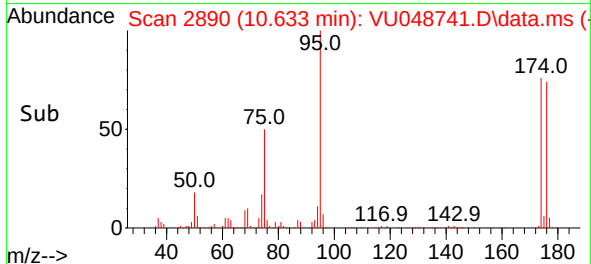
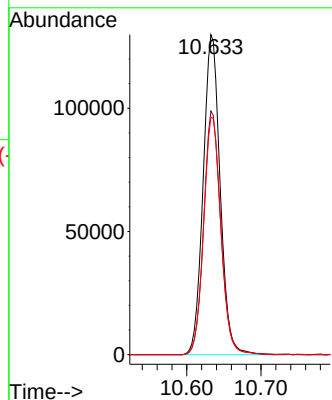
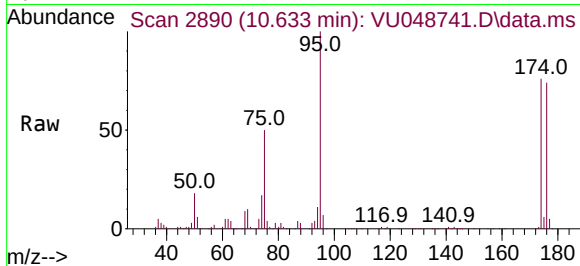




#62  
4-Bromofluorobenzene  
Concen: 51.656 ug/l  
RT: 10.633 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

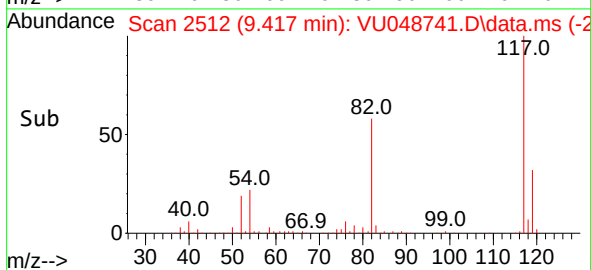
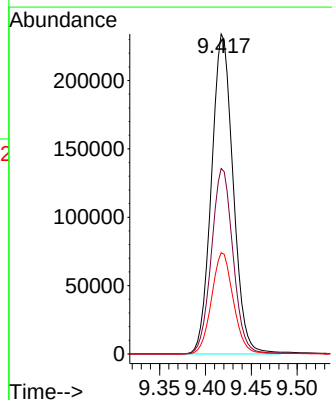
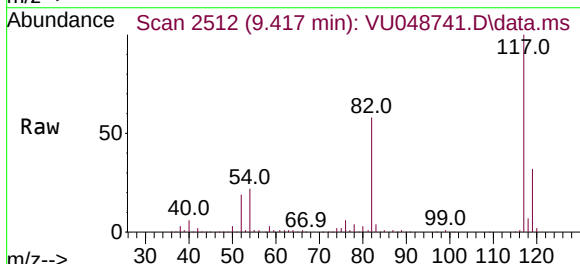
Instrument :  
MSVOA\_U  
ClientSampleId :  
TW-20DL

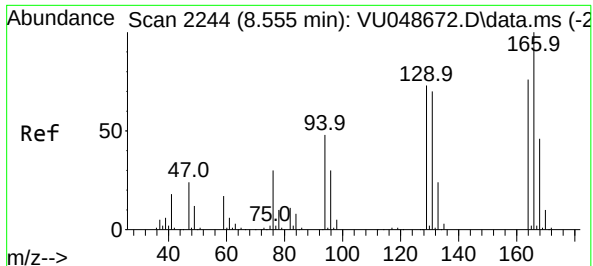
Tgt Ion: 95 Resp: 206185  
Ion Ratio Lower Upper  
95 100  
174 76.5 0.0 159.4  
176 75.6 0.0 152.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.417 min Scan# 2512  
Delta R.T. 0.000 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

Tgt Ion: 117 Resp: 385255  
Ion Ratio Lower Upper  
117 100  
82 57.9 45.3 67.9  
119 31.6 25.4 38.2

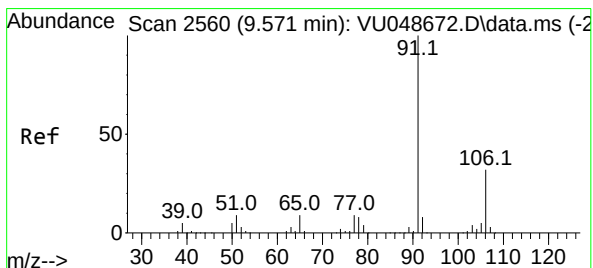
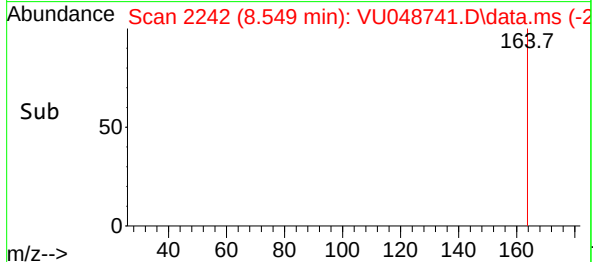
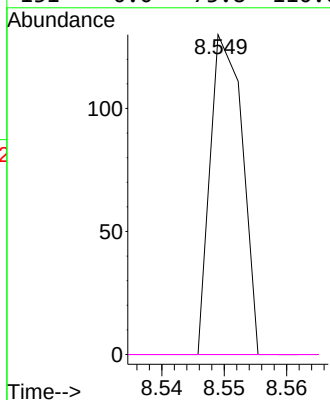
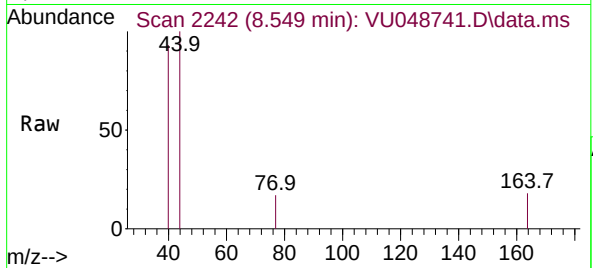




#64  
Tetrachloroethene  
Concen: Below Cal  
RT: 8.549 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

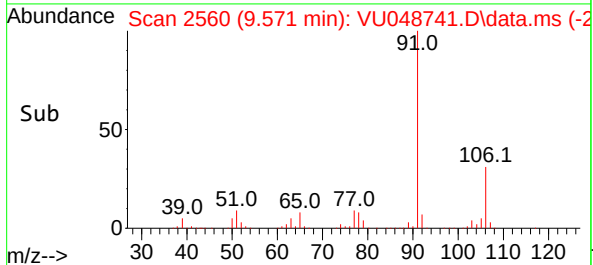
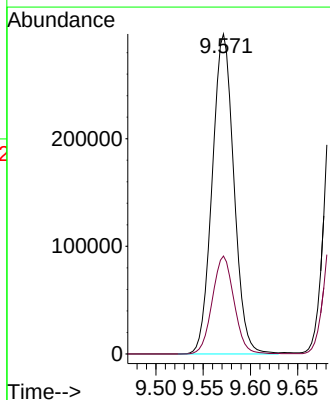
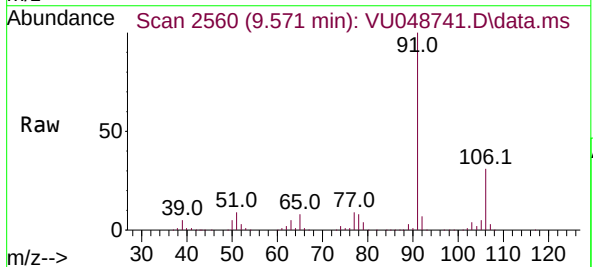
Instrument :  
MSVOA\_U  
ClientSampleId :  
TW-20DL

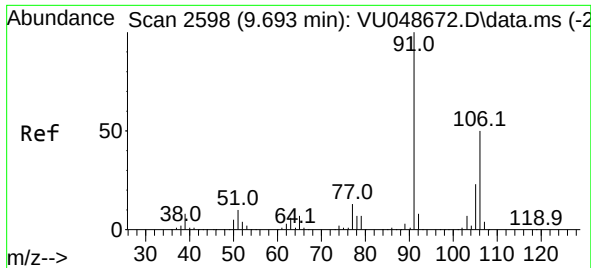
Tgt Ion:164 Resp: 46  
Ion Ratio Lower Upper  
164 100  
166 0.0 105.0 157.4#  
129 0.0 76.5 114.7#  
131 0.0 73.8 110.6#



#67  
Ethyl Benzene  
Concen: 34.458 ug/l  
RT: 9.571 min Scan# 2560  
Delta R.T. 0.000 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

Tgt Ion: 91 Resp: 473551  
Ion Ratio Lower Upper  
91 100  
106 30.6 25.4 38.2

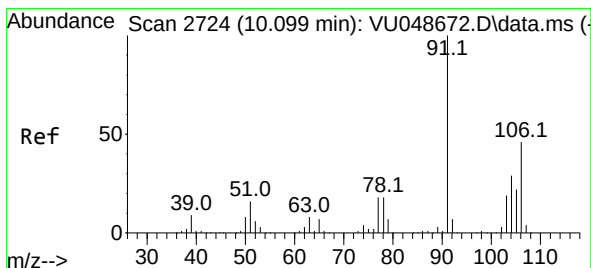
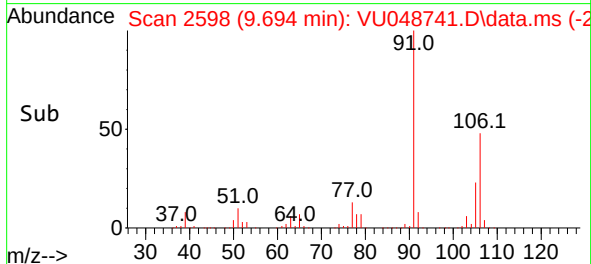
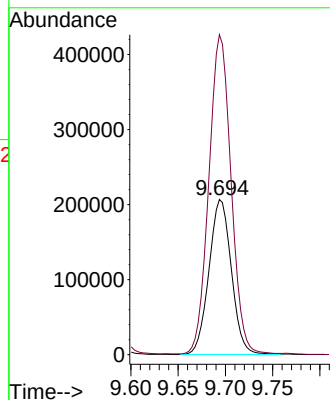
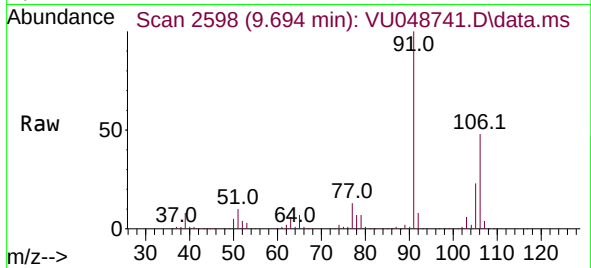




#68  
m/p-Xylenes  
Concen: 63.327 ug/l  
RT: 9.694 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

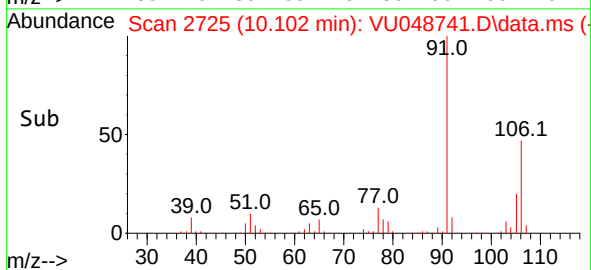
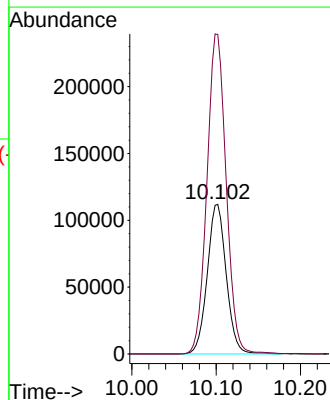
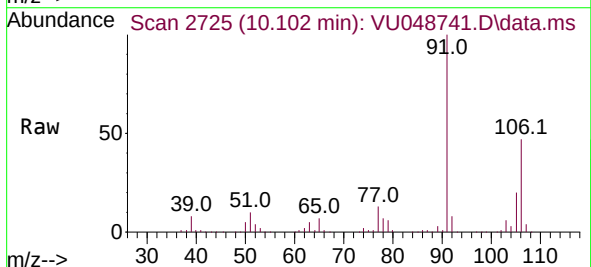
Instrument :  
MSVOA\_U  
ClientSampleId :  
TW-20DL

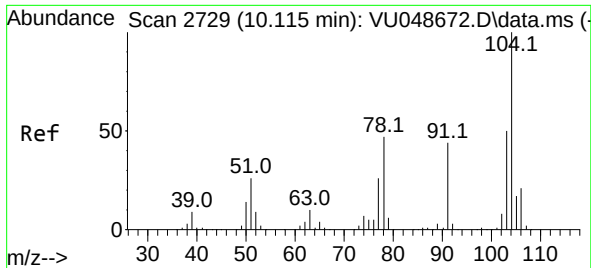
Tgt Ion:106 Resp: 340379  
Ion Ratio Lower Upper  
106 100  
91 203.8 162.4 243.6



#69  
o-Xylene  
Concen: 33.196 ug/l  
RT: 10.102 min Scan# 2725  
Delta R.T. 0.003 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

Tgt Ion:106 Resp: 175296  
Ion Ratio Lower Upper  
106 100  
91 216.9 107.7 323.3

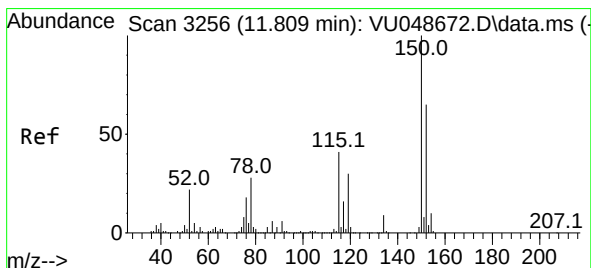
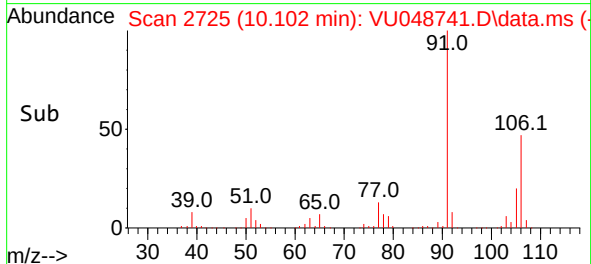
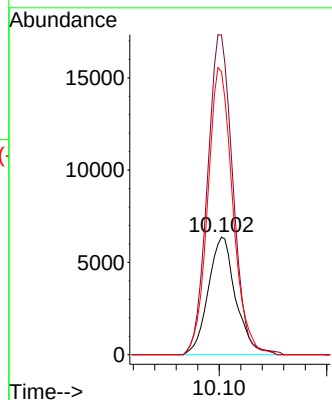
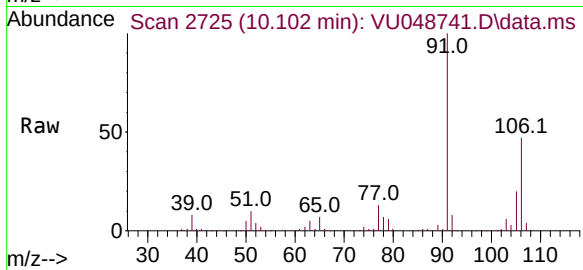




#70  
Styrene  
Concen: 1.304 ug/l  
RT: 10.102 min Scan# 21  
Delta R.T. -0.013 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

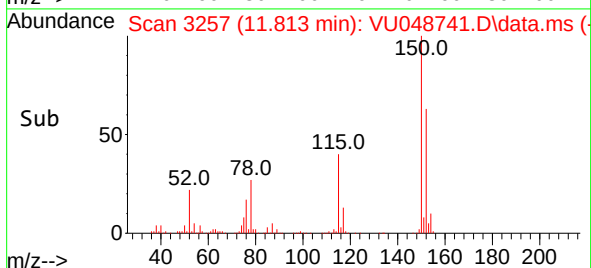
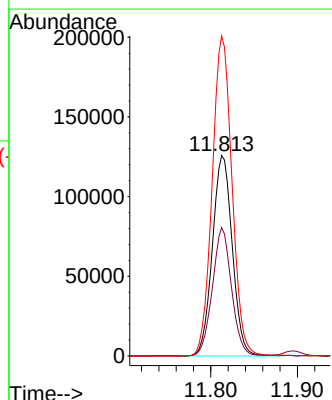
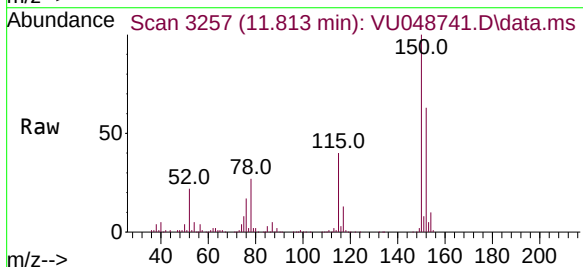
Instrument :  
MSVOA\_U  
ClientSampleId :  
TW-20DL

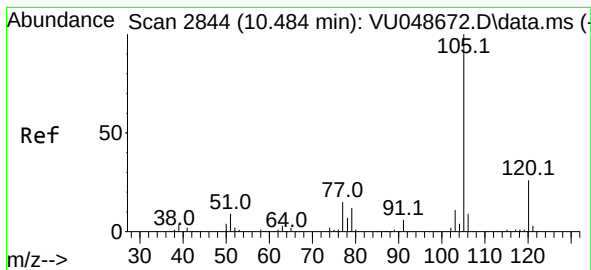
Tgt Ion:104 Resp: 11323  
Ion Ratio Lower Upper  
104 100  
78 251.4 41.2 61.8#  
103 222.6 43.4 65.2#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.813 min Scan# 3257  
Delta R.T. 0.003 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

Tgt Ion:152 Resp: 200581  
Ion Ratio Lower Upper  
152 100  
115 61.7 41.8 125.4  
150 158.7 0.0 341.0





#73

Isopropylbenzene

Concen: 2.132 ug/l

RT: 10.485 min Scan# 2844

Delta R.T. 0.000 min

Lab File: VU048741.D

Acq: 31 May 2022 15:56

Instrument :

MSVOA\_U

ClientSampleId :

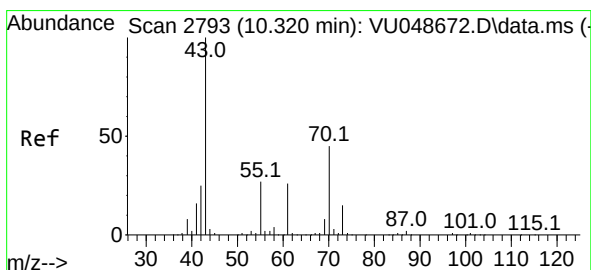
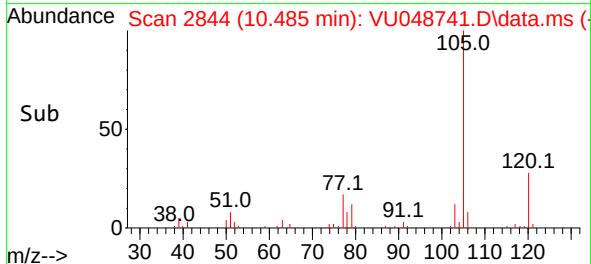
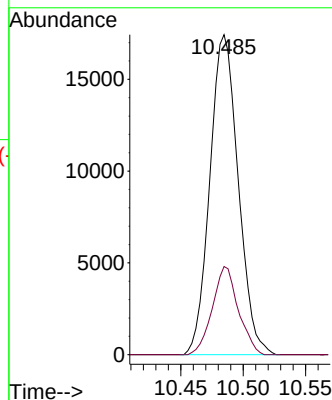
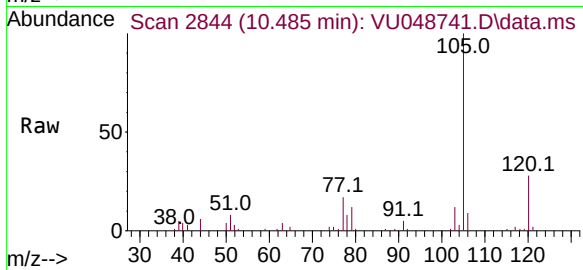
TW-20DL

Tgt Ion:105 Resp: 27606

Ion Ratio Lower Upper

105 100

120 25.2 12.9 38.6



#74

N-ethyl acetate

Concen: 2.483 ug/l

RT: 10.327 min Scan# 2795

Delta R.T. 0.007 min

Lab File: VU048741.D

Acq: 31 May 2022 15:56

Tgt Ion: 43 Resp: 111

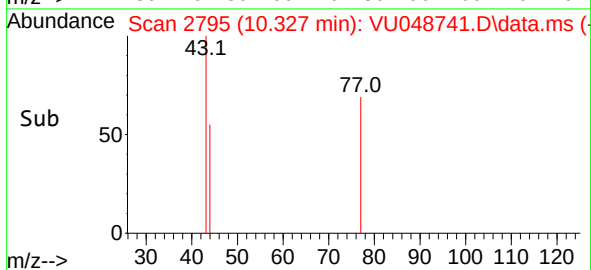
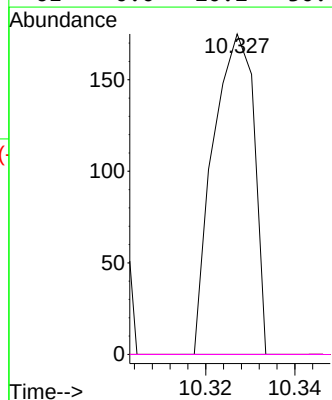
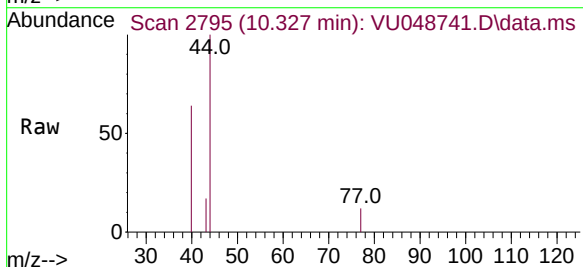
Ion Ratio Lower Upper

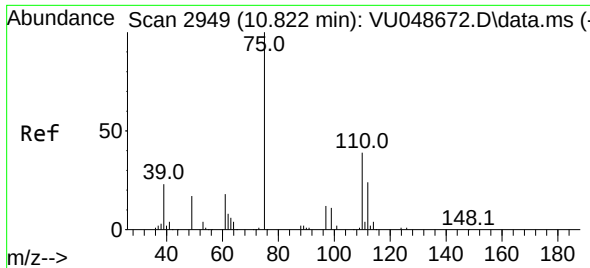
43 100

70 0.0 35.8 53.6#

55 0.0 21.1 31.7#

61 0.0 20.2 30.4#

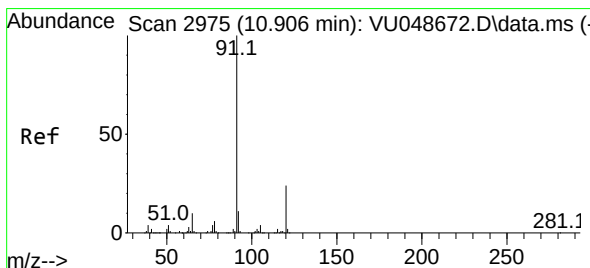
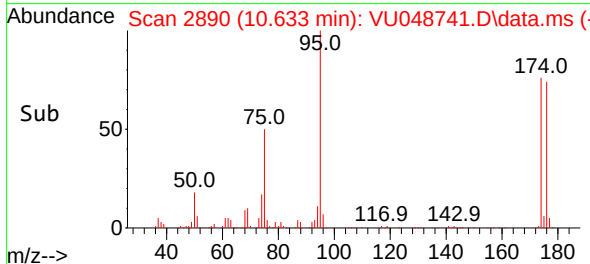
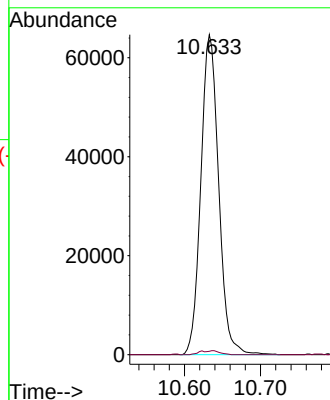
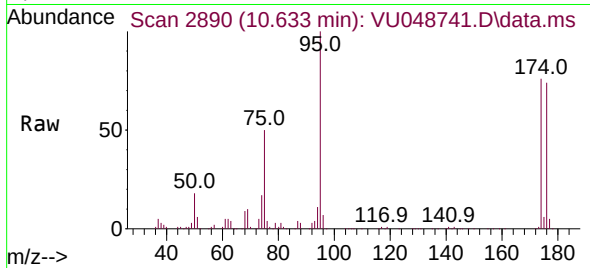




#76  
1,2,3-Trichloropropane  
Concen: 16.254 ug/l  
RT: 10.633 min Scan# 2890  
Delta R.T. -0.189 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

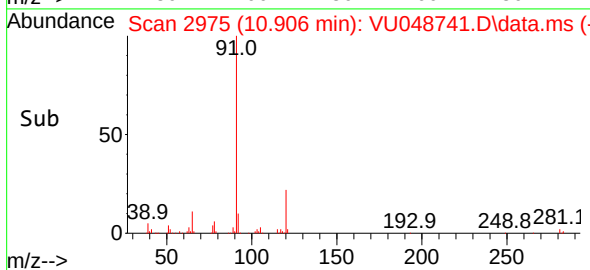
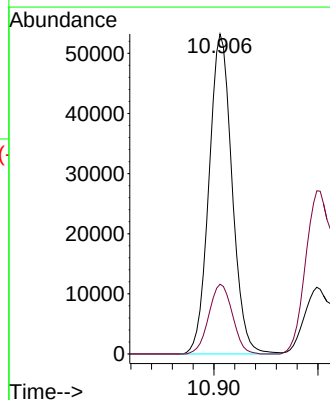
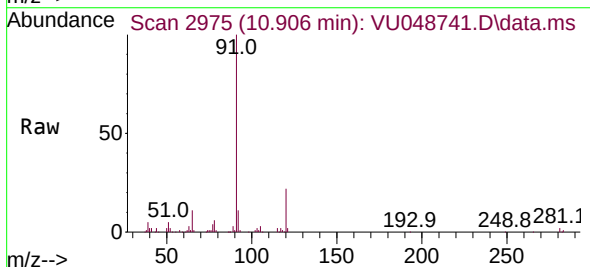
Instrument :  
MSVOA\_U  
ClientSampleId :  
TW-20DL

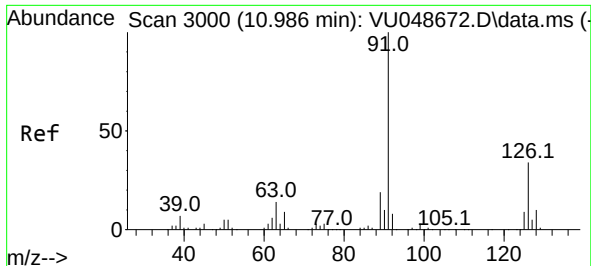
Tgt Ion: 75 Resp: 105115  
Ion Ratio Lower Upper  
75 100  
77 0.8 14.8 44.3#



#78  
n-propylbenzene  
Concen: 5.307 ug/l  
RT: 10.906 min Scan# 2975  
Delta R.T. 0.000 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

Tgt Ion: 91 Resp: 81887  
Ion Ratio Lower Upper  
91 100  
120 22.3 11.6 34.7





#79

2-Chlorotoluene

Concen: 1.774 ug/l

RT: 10.999 min Scan# 3004

Delta R.T. 0.013 min

Lab File: VU048741.D

Acq: 31 May 2022 15:56

Instrument :

MSVOA\_U

ClientSampleId :

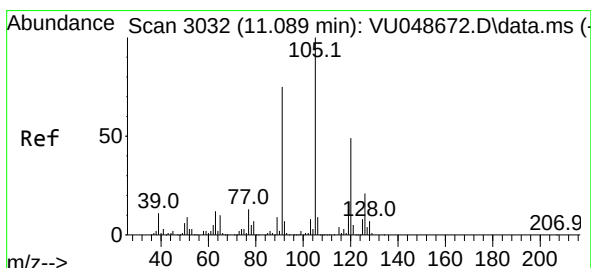
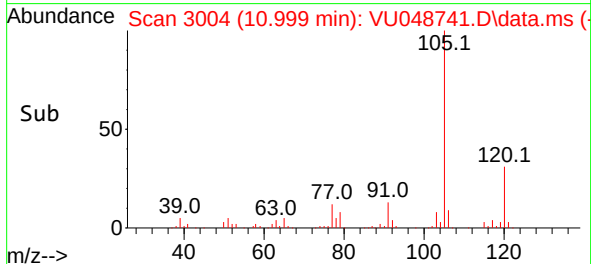
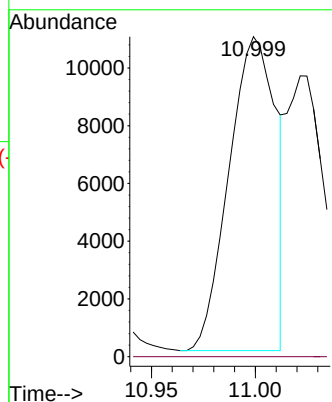
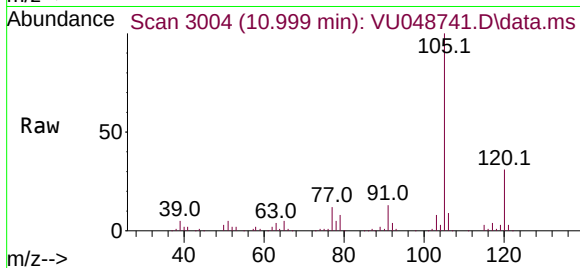
TW-20DL

Tgt Ion: 91 Resp: 17022

Ion Ratio Lower Upper

91 100

126 0.0 16.7 50.0#



#80

1,3,5-Trimethylbenzene

Concen: 9.677 ug/l

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU048741.D

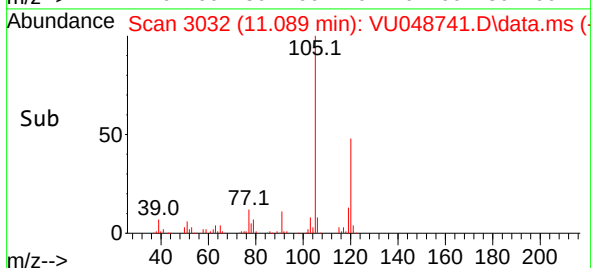
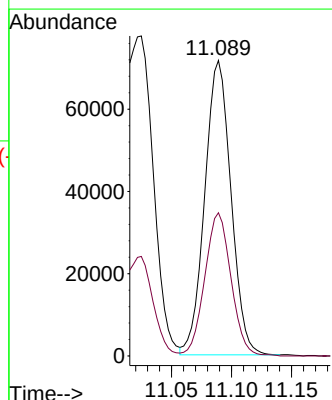
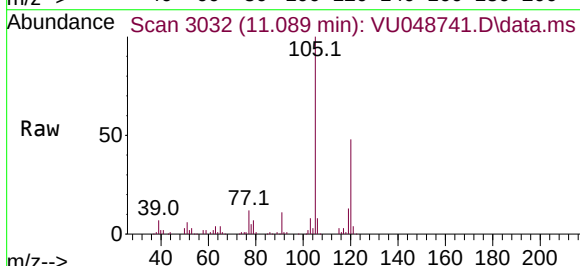
Acq: 31 May 2022 15:56

Tgt Ion: 105 Resp: 108980

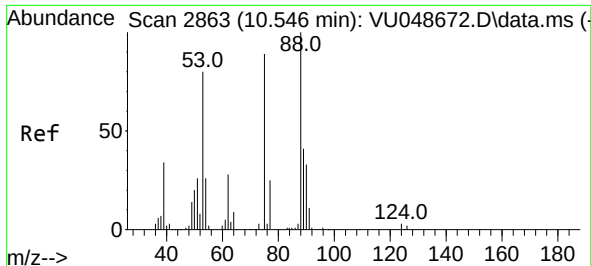
Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.3



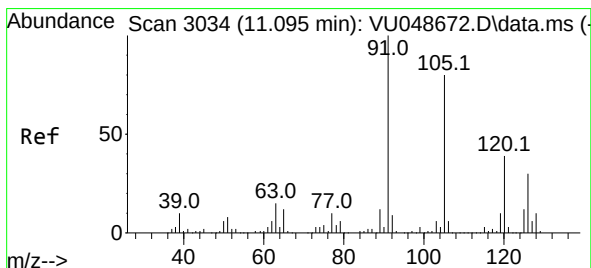
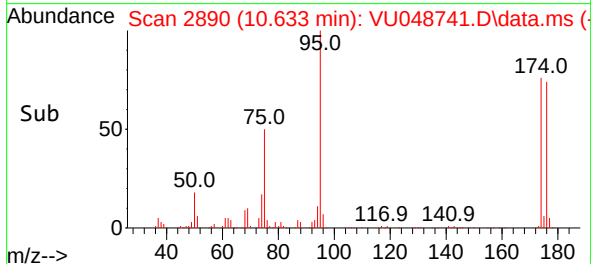
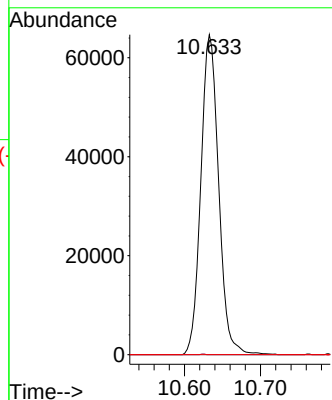
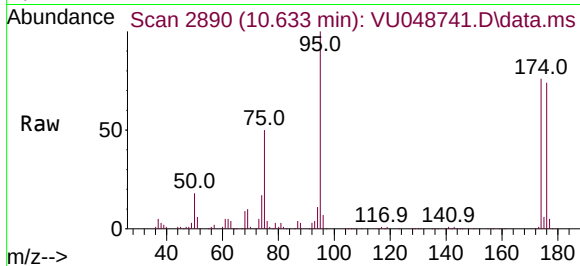




#81  
trans-1,4-Dichloro-2-butene  
Concen: 59.014 ug/l  
RT: 10.633 min Scan# 21  
Delta R.T. 0.087 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

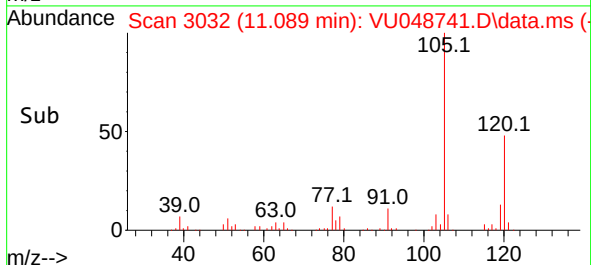
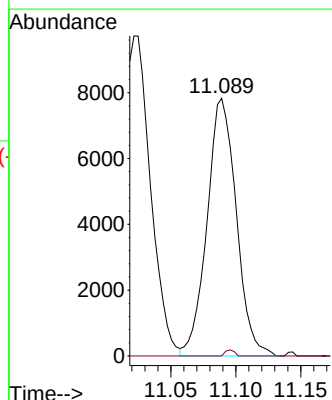
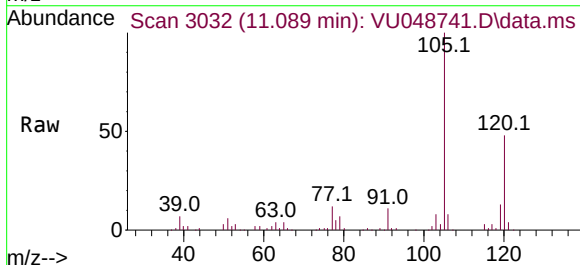
Instrument :  
MSVOA\_U  
ClientSampleId :  
TW-20DL

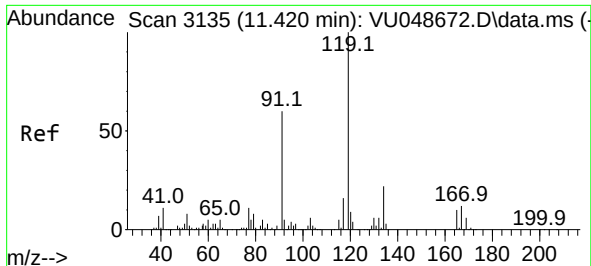
Tgt Ion: 75 Resp: 105115  
Ion Ratio Lower Upper  
75 100  
53 0.0 72.5 108.7#  
89 0.0 37.0 55.4#



#82  
4-Chlorotoluene  
Concen: 1.107 ug/l  
RT: 11.089 min Scan# 3032  
Delta R.T. -0.006 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

Tgt Ion: 91 Resp: 12259  
Ion Ratio Lower Upper  
91 100  
126 0.7 14.4 43.2#

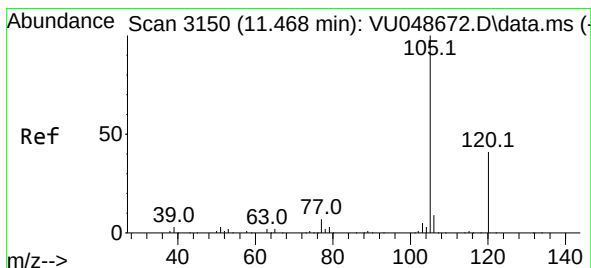
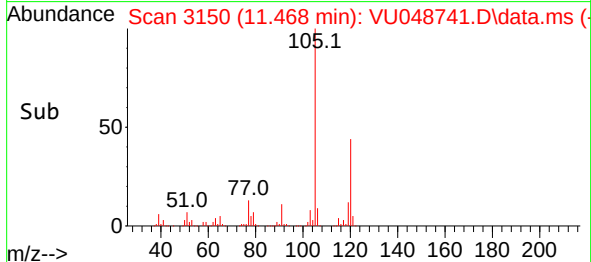
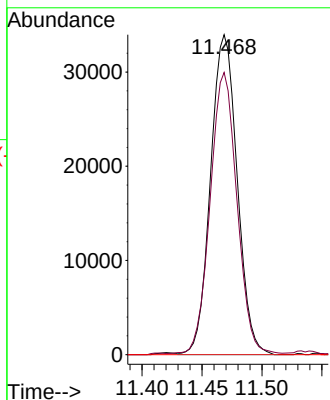
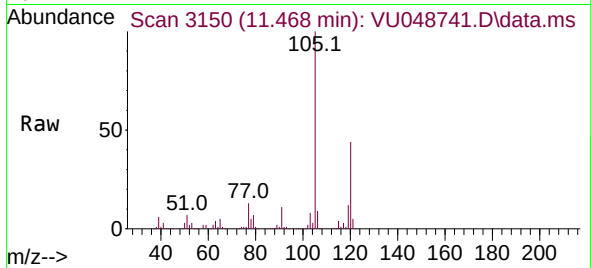




#83  
 tert-Butylbenzene  
 Concen: 4.851 ug/l  
 RT: 11.468 min Scan# 3135  
 Delta R.T. 0.048 min  
 Lab File: VU048741.D  
 Acq: 31 May 2022 15:56

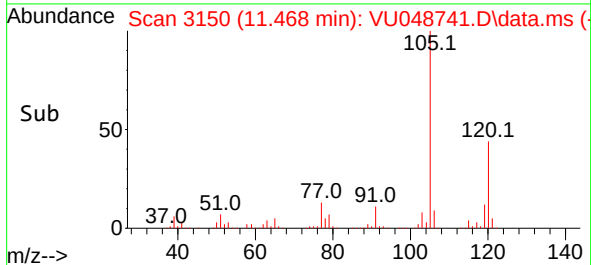
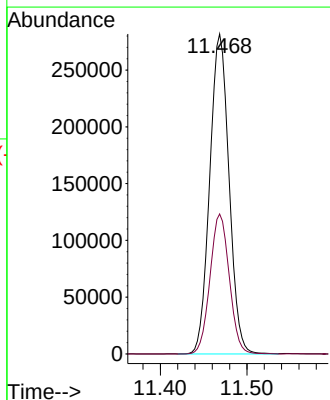
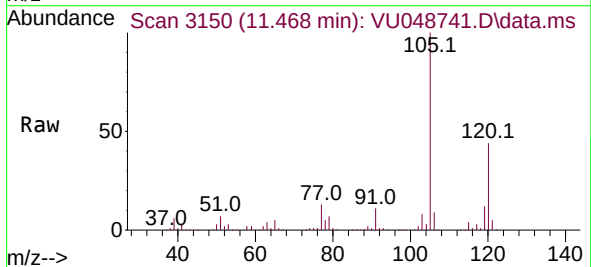
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TW-20DL

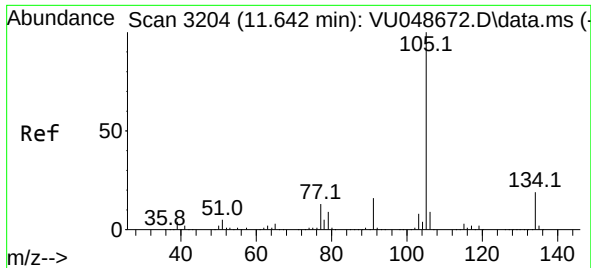
Tgt Ion:119 Resp: 52434  
 Ion Ratio Lower Upper  
 119 100  
 91 87.7 28.7 86.1#  
 134 0.0 10.8 32.4#



#84  
 1,2,4-Trimethylbenzene  
 Concen: 36.318 ug/l  
 RT: 11.468 min Scan# 3150  
 Delta R.T. 0.000 min  
 Lab File: VU048741.D  
 Acq: 31 May 2022 15:56

Tgt Ion:105 Resp: 436737  
 Ion Ratio Lower Upper  
 105 100  
 120 43.7 22.5 67.5

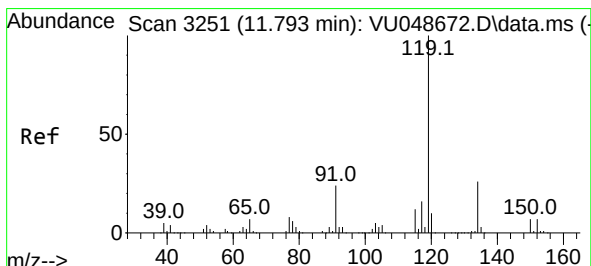
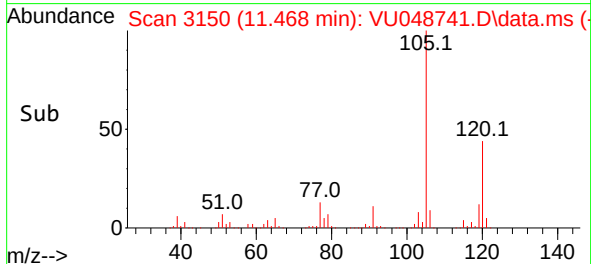
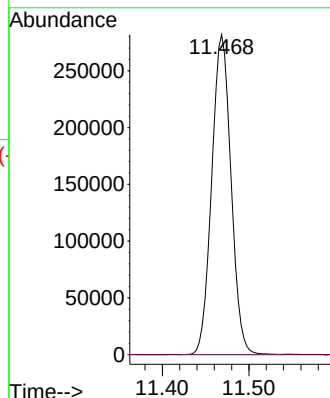
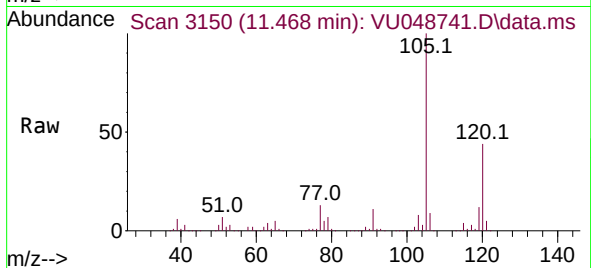




#85  
 sec-Butylbenzene  
 Concen: 32.300 ug/l  
 RT: 11.468 min Scan# 31  
 Delta R.T. -0.173 min  
 Lab File: VU048741.D  
 Acq: 31 May 2022 15:56

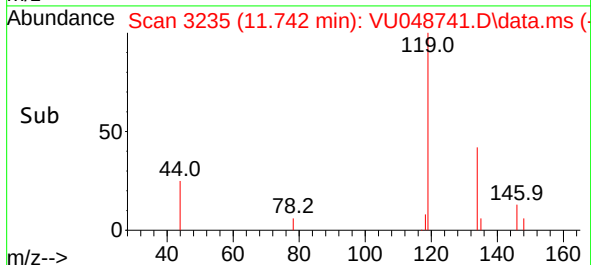
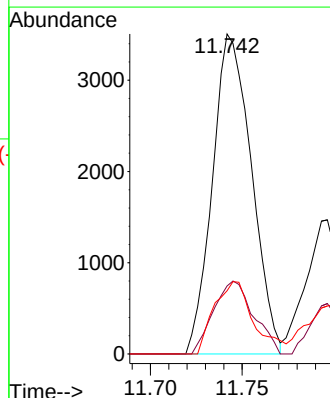
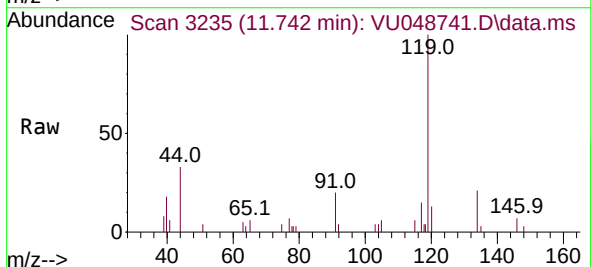
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TW-20DL

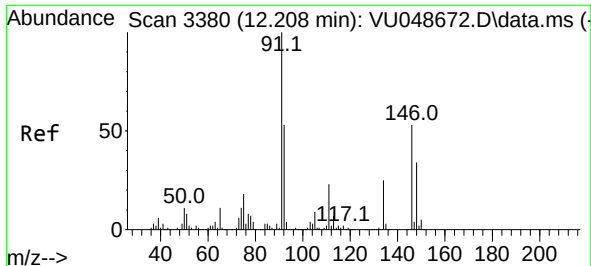
Tgt Ion:105 Resp: 436737  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 9.6 28.6#



#86  
 p-Isopropyltoluene  
 Concen: 0.447 ug/l  
 RT: 11.742 min Scan# 3235  
 Delta R.T. -0.051 min  
 Lab File: VU048741.D  
 Acq: 31 May 2022 15:56

Tgt Ion:119 Resp: 5193  
 Ion Ratio Lower Upper  
 119 100  
 134 23.5 12.8 38.4  
 91 23.0 12.0 36.0





#89

n-Butylbenzene

Concen: 3.049 ug/l

RT: 12.189 min Scan# 31

Delta R.T. -0.019 min

Lab File: VU048741.D

Acq: 31 May 2022 15:56

Instrument :

MSVOA\_U

ClientSampleId :

TW-20DL

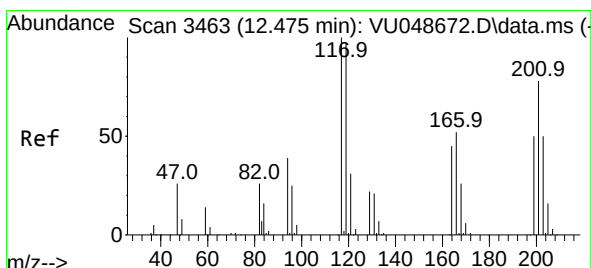
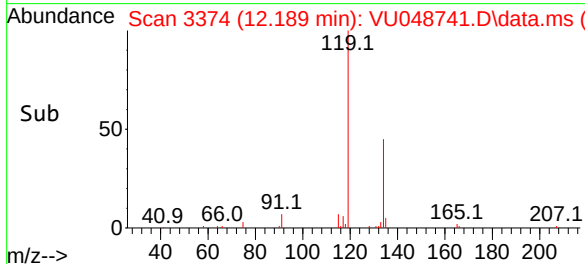
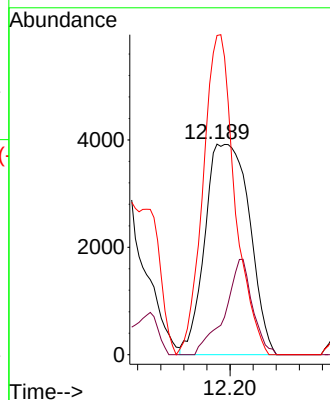
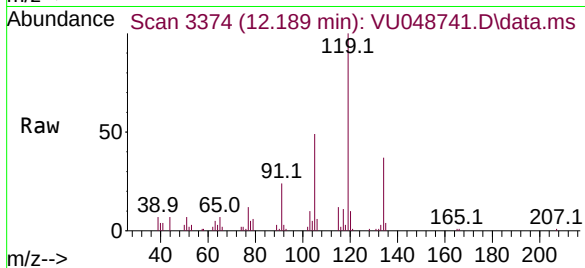
Tgt Ion: 91 Resp: 10502

Ion Ratio Lower Upper

91 100

92 0.0 25.9 77.8#

134 108.2 12.5 37.5#



#90

Hexachloroethane

Concen: 1.015 ug/l

RT: 12.468 min Scan# 3461

Delta R.T. -0.006 min

Lab File: VU048741.D

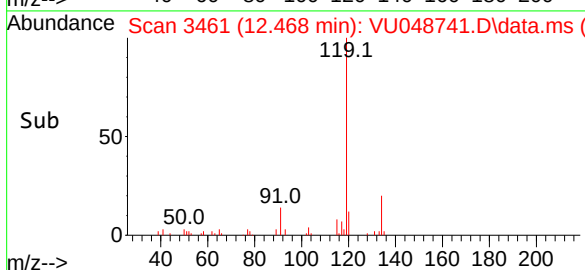
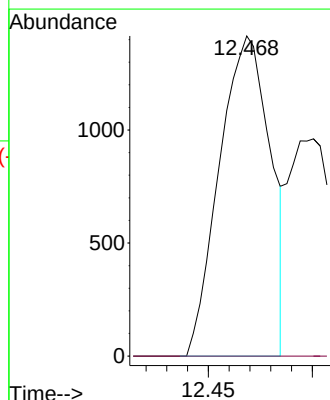
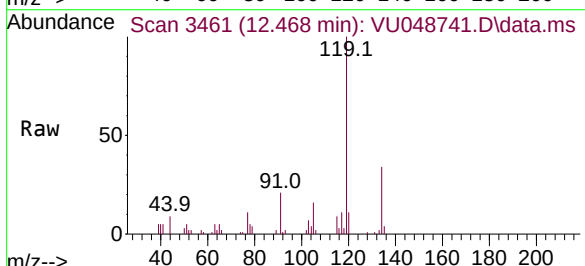
Acq: 31 May 2022 15:56

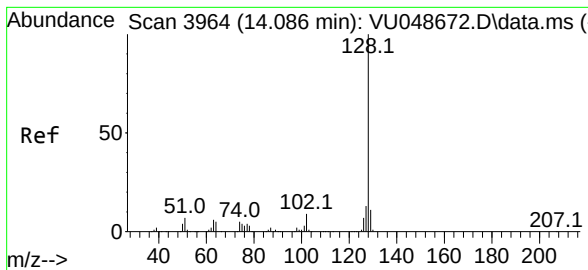
Tgt Ion: 117 Resp: 2406

Ion Ratio Lower Upper

117 100

201 0.0 39.6 119.0#





#95  
Naphthalene  
Concen: 15.034 ug/l  
RT: 14.086 min Scan# 3964  
Delta R.T. -0.000 min  
Lab File: VU048741.D  
Acq: 31 May 2022 15:56

Instrument :  
MSVOA\_U  
ClientSampleId :  
TW-20DL

Tgt Ion:128 Resp: 207907  
Ion Ratio Lower Upper  
128 100  
127 12.5 10.2 15.4  
129 10.5 8.7 13.1

