

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111121\  
 Data File : VU045740.D  
 Acq On : 11 Nov 2021 15:50  
 Operator : SY/MD  
 Sample : M4606-01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 12 06:09:55 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 05 13:35:16 2021  
 Response via : Initial Calibration

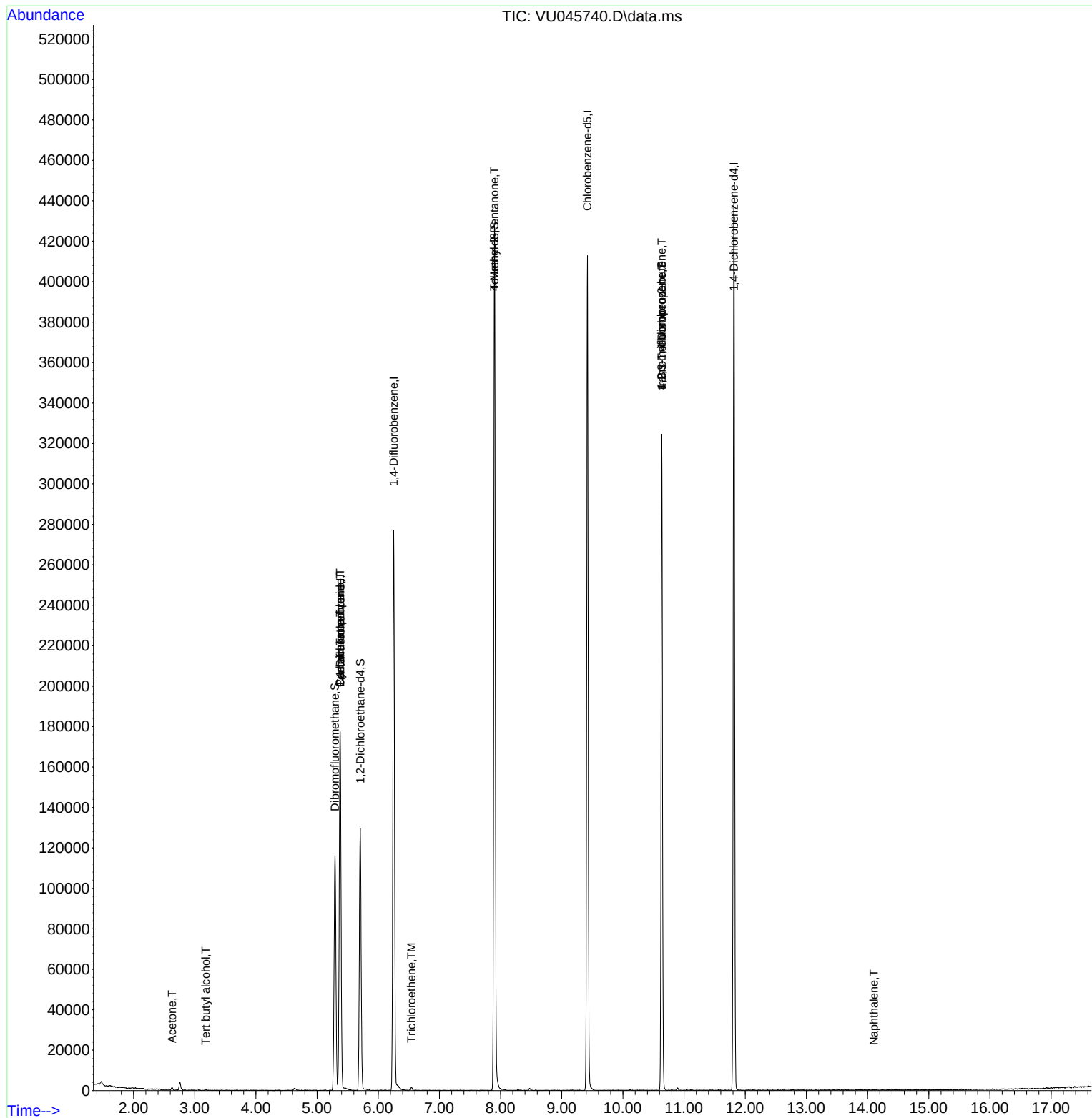
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.379     | 168   | 117035   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.253     | 114   | 216607   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 9.420     | 117   | 220854   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.816    | 152   | 109246   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.706     | 65    | 96205    | 54.889   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 78 - 117 | Recovery | = 109.780% |          |
| 35) Dibromofluoromethane      | 5.292     | 113   | 74793    | 51.718   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery | = 103.440% |          |
| 50) Toluene-d8                | 7.899     | 98    | 283489   | 52.717   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 92 - 112 | Recovery | = 105.440% |          |
| 62) 4-Bromofluorobenzene      | 10.636    | 95    | 106608   | 49.438   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 83 - 123 | Recovery | = 98.880%  |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 3.179     | 59    | 117      | 0.337    | ug/l #     | 72       |
| 16) Acetone                   | 2.629     | 43    | 1378     | 1.544    | ug/l       | 96       |
| 31) Cyclohexane               | 5.375     | 56    | 2569     | 1.005    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.375     | 75    | 10316    | 4.884    | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 5.375     | 117   | 12484    | 5.863    | ug/l #     | 15       |
| 44) Trichloroethene           | 6.542     | 130   | 494      | 0.330    | ug/l       | 90       |
| 51) 4-Methyl-2-Pentanone      | 7.899     | 43    | 1132     | 0.462    | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 10.636    | 75    | 56009    | 16.906   | ug/l #     | 42       |
| 81) trans-1,4-Dichloro-2-b... | 10.636    | 75    | 56009    | 55.061   | ug/l #     | 12       |
| 95) Naphthalene               | 14.102    | 128   | 240      | 1.055    | ug/l #     | 69       |
| -----                         |           |       |          |          |            |          |

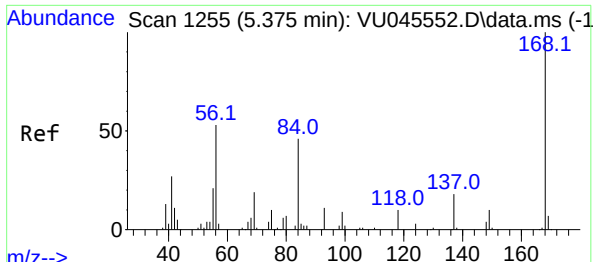
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111121\  
Data File : VU045740.D  
Acq On : 11 Nov 2021 15:50  
Operator : SY/MD  
Sample : M4606-01  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Nov 12 06:09:55 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 05 13:35:16 2021  
Response via : Initial Calibration

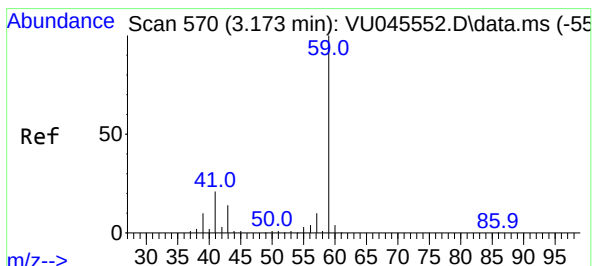
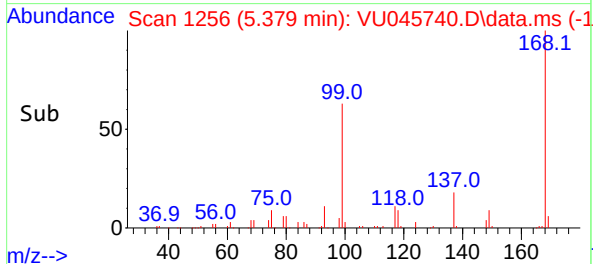
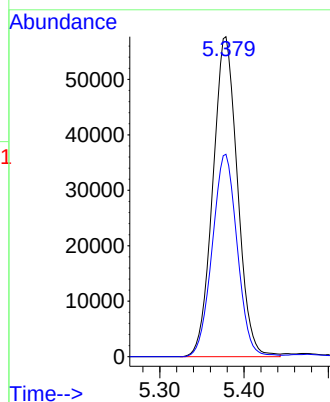
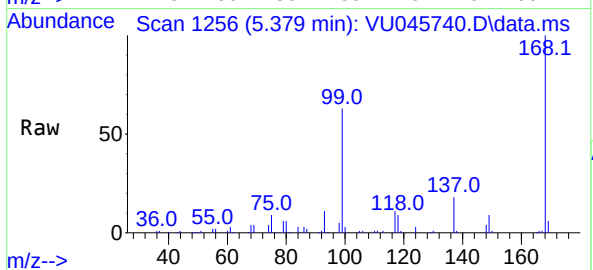




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.379 min Scan# 11  
Delta R.T. 0.004 min  
Lab File: VU045740.D  
Acq: 11 Nov 2021 15:50

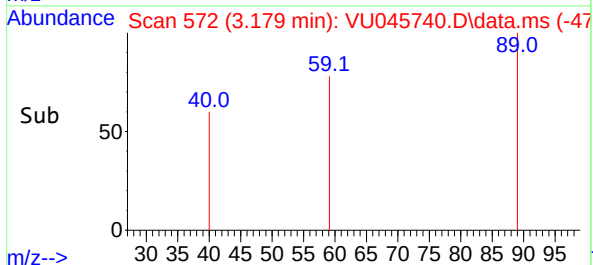
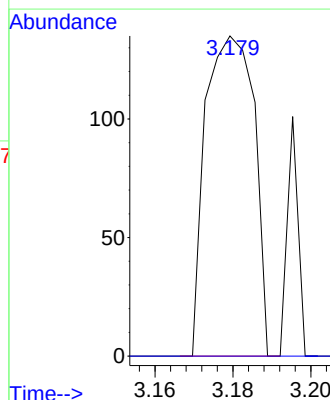
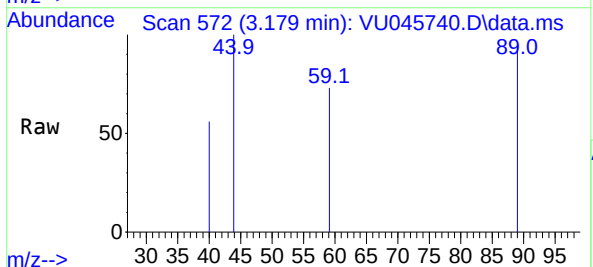
Instrument :  
MSVOA\_U  
ClientSampleId :

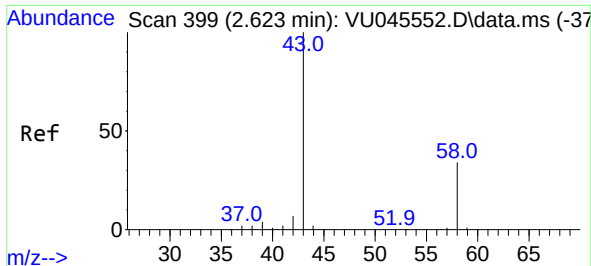
Tgt Ion:168 Resp: 117035  
Ion Ratio Lower Upper  
168 100  
99 63.2 51.0 76.6



#11  
Tert butyl alcohol  
Concen: 0.337 ug/l  
RT: 3.179 min Scan# 572  
Delta R.T. 0.006 min  
Lab File: VU045740.D  
Acq: 11 Nov 2021 15:50

Tgt Ion: 59 Resp: 117  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#

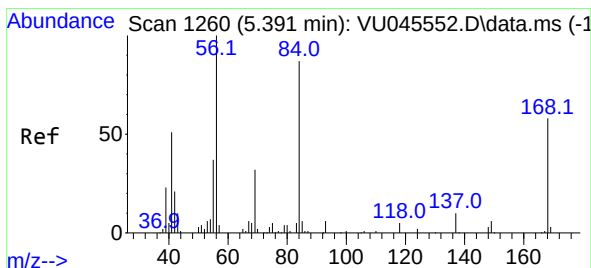
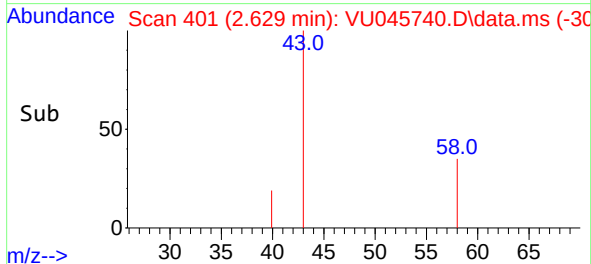
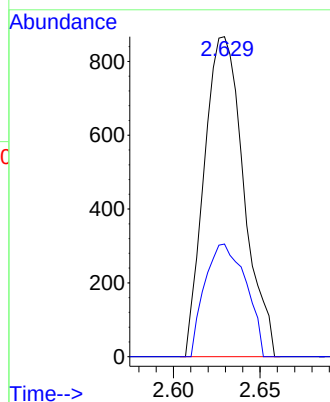
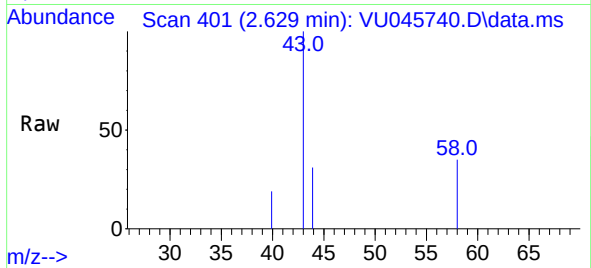




#16  
Acetone  
Concen: 1.544 ug/l  
RT: 2.629 min Scan# 401  
Delta R.T. 0.006 min  
Lab File: VU045740.D  
Acq: 11 Nov 2021 15:50

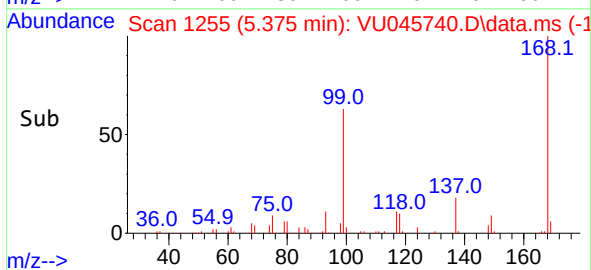
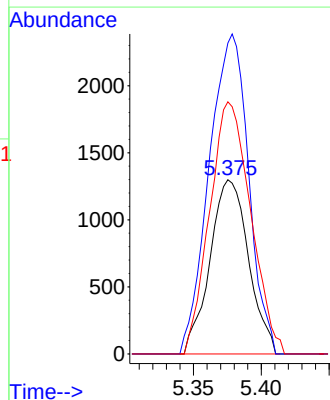
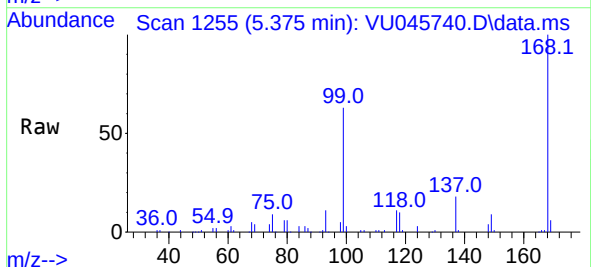
Instrument :  
MSVOA\_U  
ClientSampleId :

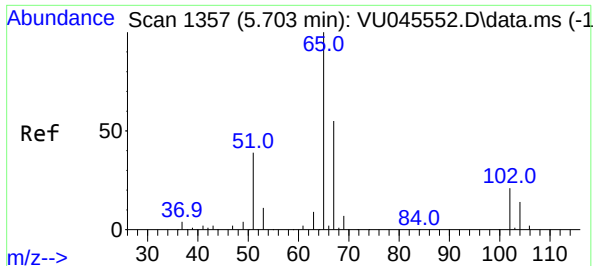
Tgt Ion: 43 Resp: 1378  
Ion Ratio Lower Upper  
43 100  
58 35.2 26.2 39.2



#31  
Cyclohexane  
Concen: 1.005 ug/l  
RT: 5.375 min Scan# 1255  
Delta R.T. -0.016 min  
Lab File: VU045740.D  
Acq: 11 Nov 2021 15:50

Tgt Ion: 56 Resp: 2569  
Ion Ratio Lower Upper  
56 100  
69 178.4 26.4 39.6#  
84 144.7 68.4 102.6#





#33

1,2-Dichloroethane-d4

Concen: 54.889 ug/l

RT: 5.706 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU045740.D

Acq: 11 Nov 2021 15:50

Instrument :

MSVOA\_U

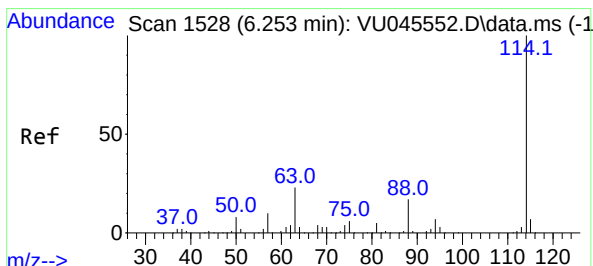
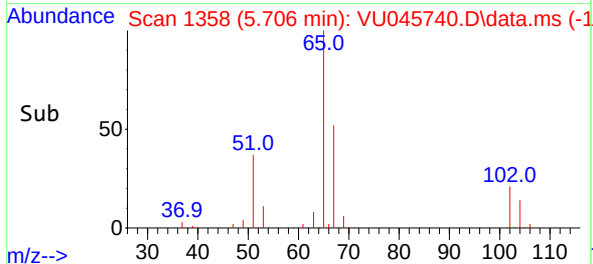
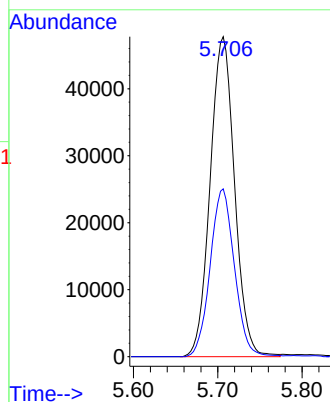
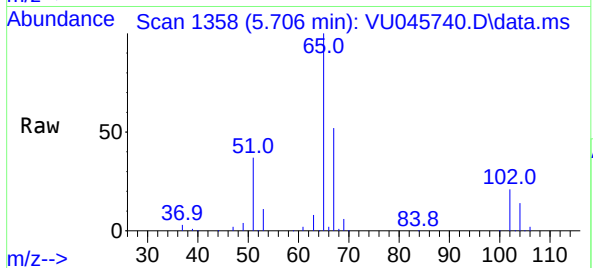
ClientSampleId :

Tgt Ion: 65 Resp: 96205

Ion Ratio Lower Upper

65 100

67 52.1 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. 0.000 min

Lab File: VU045740.D

Acq: 11 Nov 2021 15:50

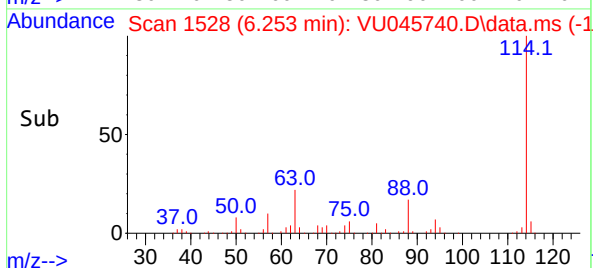
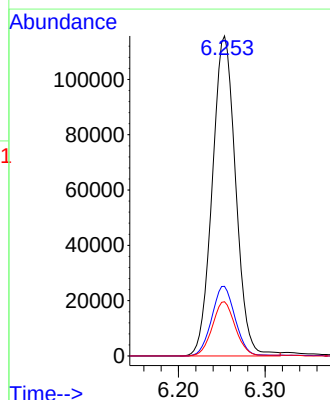
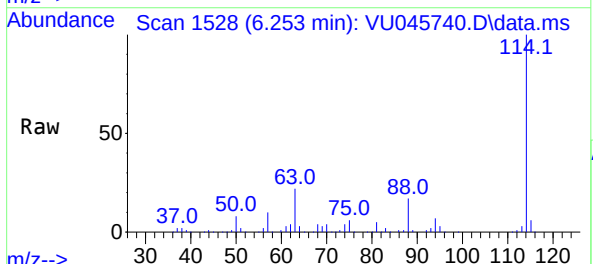
Tgt Ion: 114 Resp: 216607

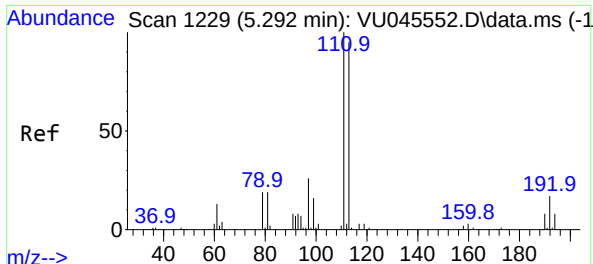
Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.6

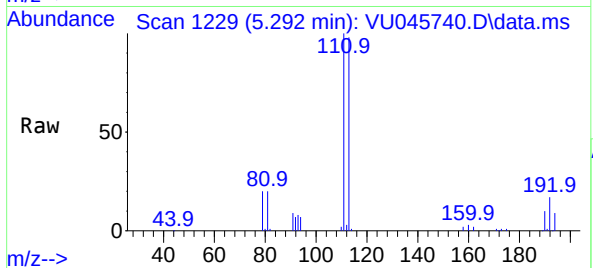
88 17.0 0.0 33.8



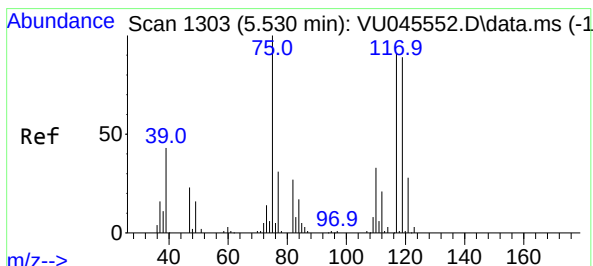
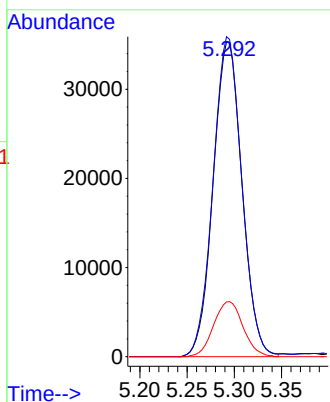
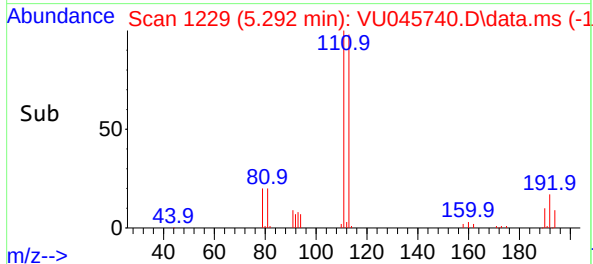


#35  
Dibromofluoromethane  
Concen: 51.718 ug/l  
RT: 5.292 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU045740.D  
Acq: 11 Nov 2021 15:50

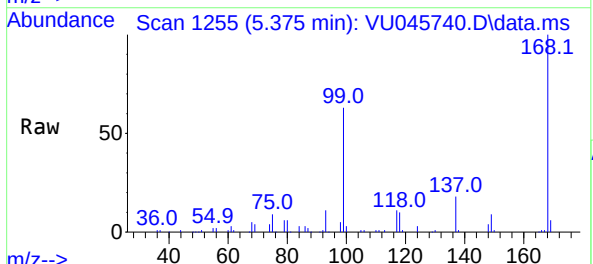
Instrument :  
MSVOA\_U  
ClientSampleId :



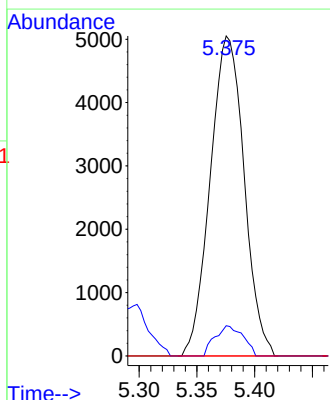
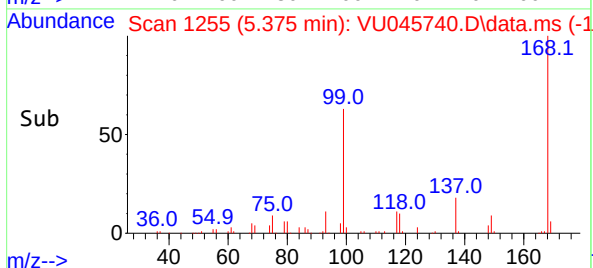
Tgt Ion:113 Resp: 74793  
Ion Ratio Lower Upper  
113 100  
111 102.0 82.8 124.2  
192 17.9 14.8 22.2

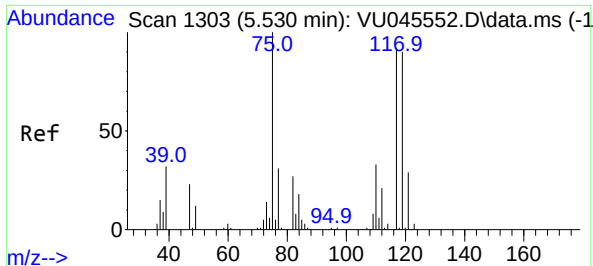


#36  
1,1-Dichloropropene  
Concen: 4.884 ug/l  
RT: 5.375 min Scan# 1255  
Delta R.T. -0.154 min  
Lab File: VU045740.D  
Acq: 11 Nov 2021 15:50



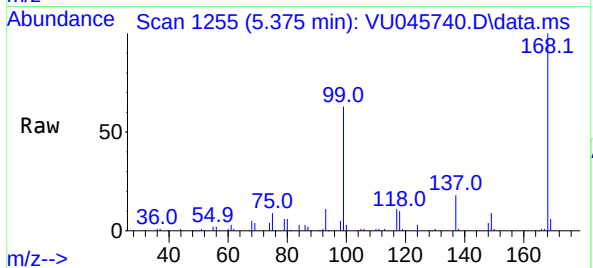
Tgt Ion: 75 Resp: 10316  
Ion Ratio Lower Upper  
75 100  
110 7.8 16.7 50.0#  
77 0.0 25.0 37.4#



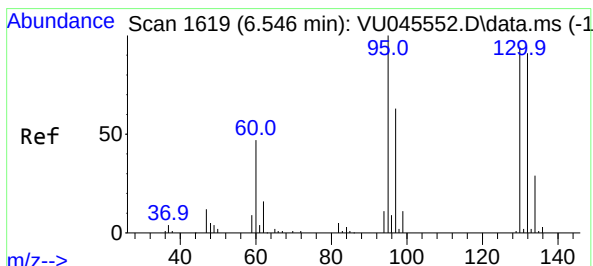
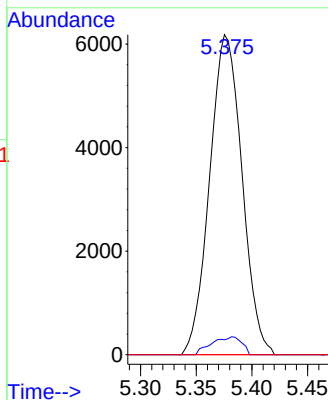
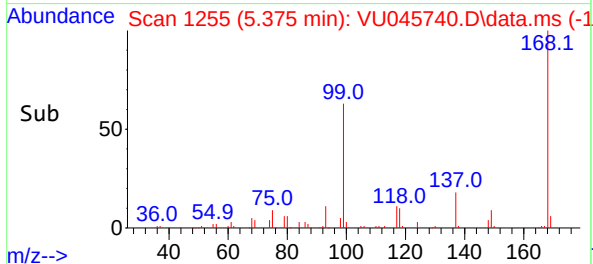


#38  
Carbon Tetrachloride  
Concen: 5.863 ug/l  
RT: 5.375 min Scan# 117  
Delta R.T. -0.154 min  
Lab File: VU045740.D  
Acq: 11 Nov 2021 15:50

Instrument :  
MSVOA\_U  
ClientSampleId :

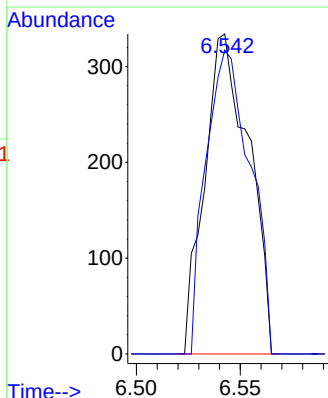
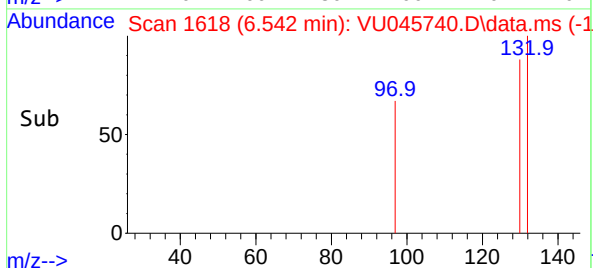
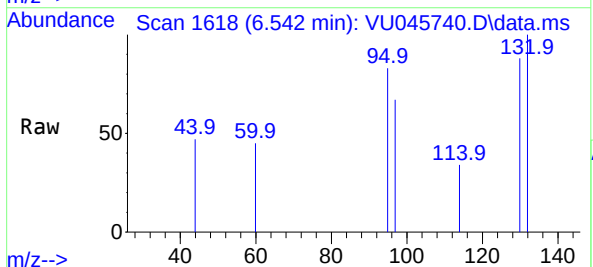


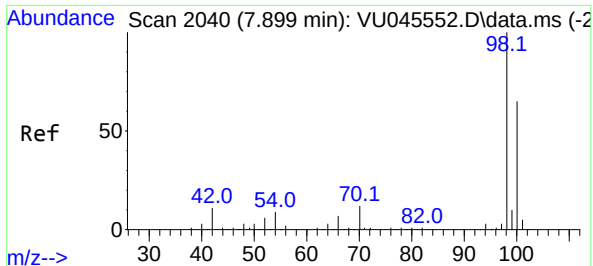
Tgt Ion:117 Resp: 12484  
Ion Ratio Lower Upper  
117 100  
119 4.6 77.4 116.0#  
121 0.0 24.8 37.2#



#44  
Trichloroethene  
Concen: 0.330 ug/l  
RT: 6.542 min Scan# 1618  
Delta R.T. -0.003 min  
Lab File: VU045740.D  
Acq: 11 Nov 2021 15:50

Tgt Ion:130 Resp: 494  
Ion Ratio Lower Upper  
130 100  
95 94.9 0.0 211.4

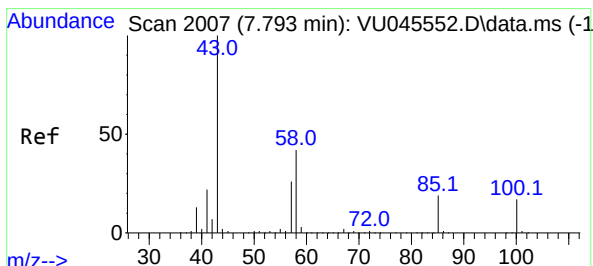
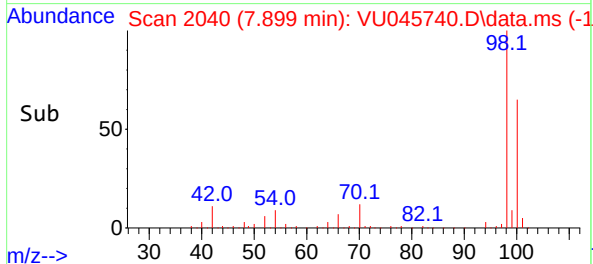
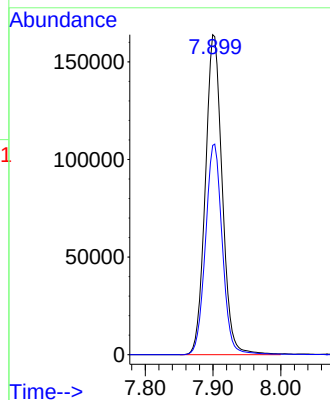
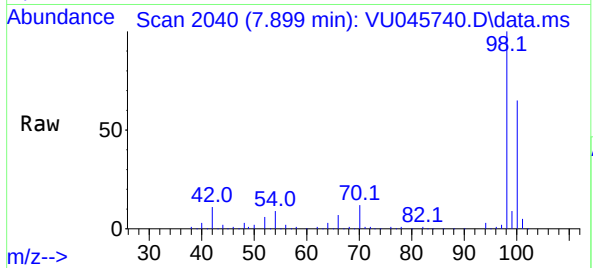




#50  
Toluene-d8  
Concen: 52.717 ug/l  
RT: 7.899 min Scan# 2040  
Delta R.T. 0.000 min  
Lab File: VU045740.D  
Acq: 11 Nov 2021 15:50

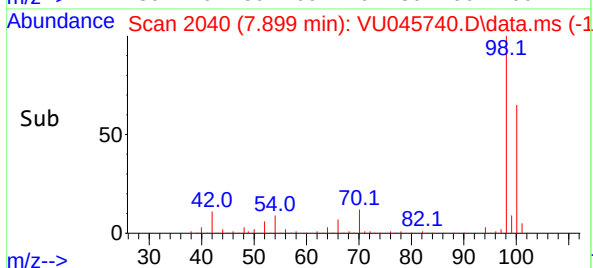
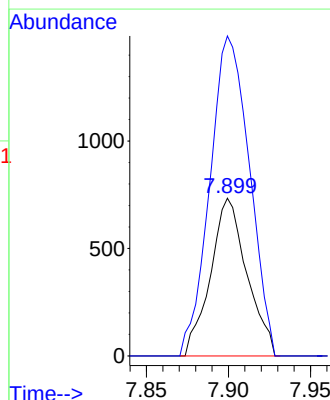
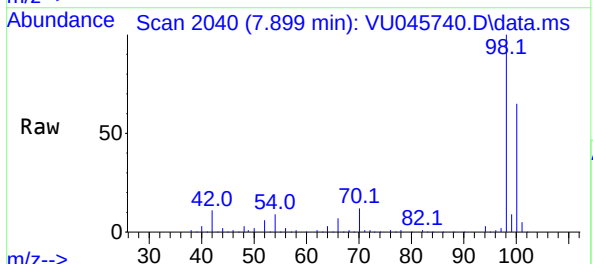
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 98 Resp: 283489  
Ion Ratio Lower Upper  
98 100  
100 65.8 52.5 78.7

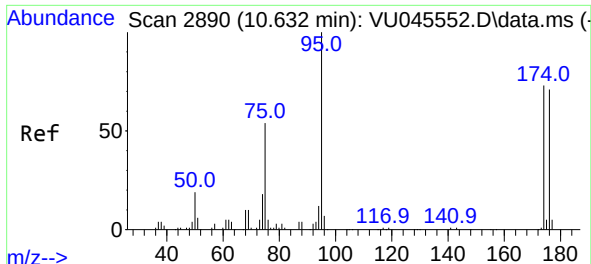


#51  
4-Methyl-2-Pentanone  
Concen: 0.462 ug/l  
RT: 7.899 min Scan# 2040  
Delta R.T. 0.106 min  
Lab File: VU045740.D  
Acq: 11 Nov 2021 15:50

Tgt Ion: 43 Resp: 1132  
Ion Ratio Lower Upper  
43 100  
58 220.4 33.8 50.8#



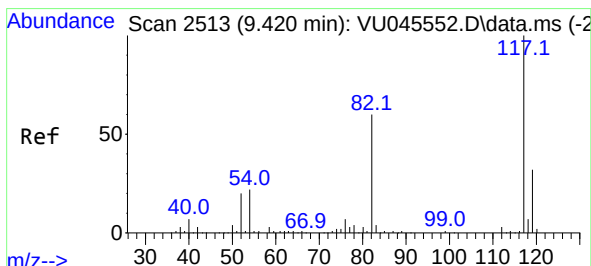
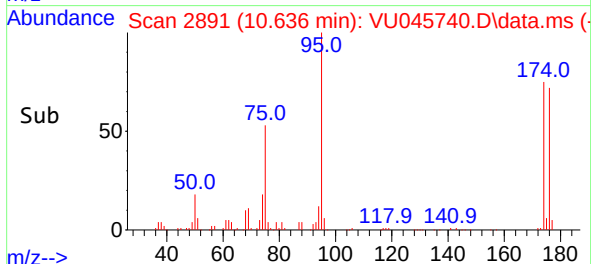
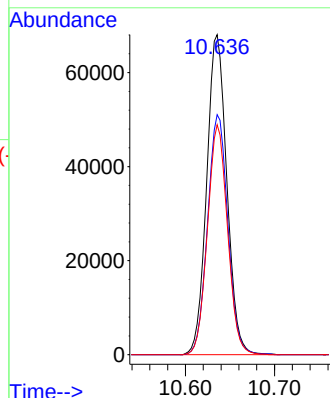
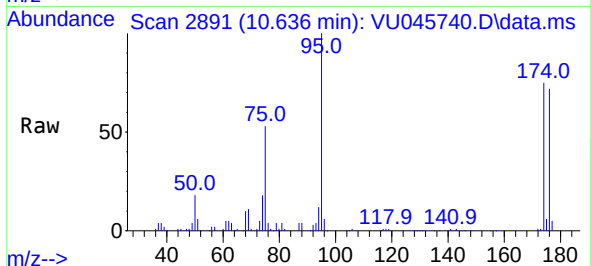




#62  
4-Bromofluorobenzene  
Concen: 49.438 ug/l  
RT: 10.636 min Scan# 2890  
Delta R.T. 0.003 min  
Lab File: VU045740.D  
Acq: 11 Nov 2021 15:50

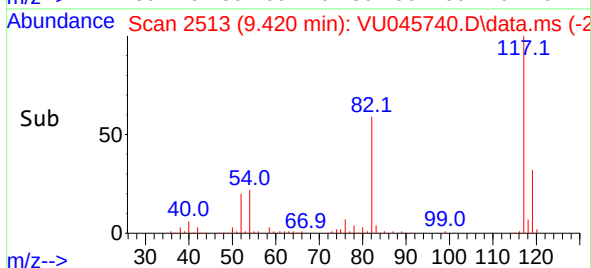
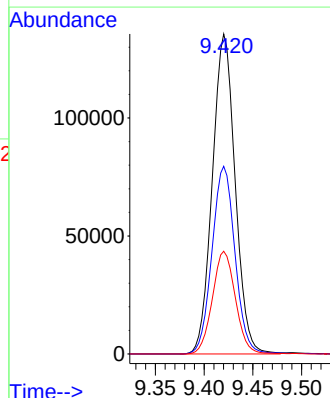
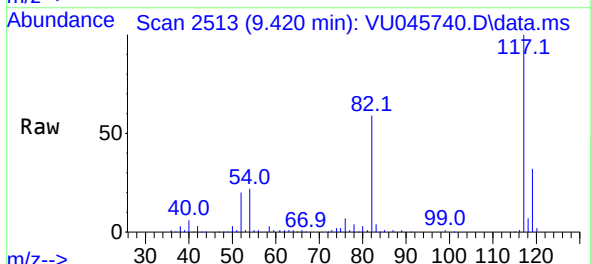
Instrument :  
MSVOA\_U  
ClientSampleId :

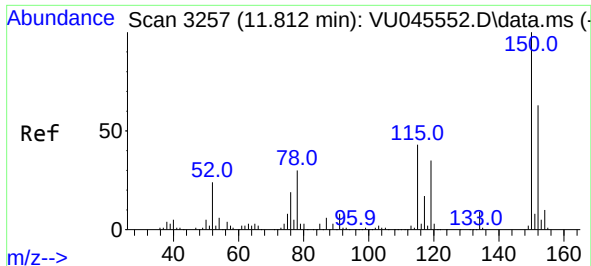
Tgt Ion: 95 Resp: 106608  
Ion Ratio Lower Upper  
95 100  
174 75.8 0.0 141.8  
176 71.5 0.0 138.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.420 min Scan# 2513  
Delta R.T. 0.000 min  
Lab File: VU045740.D  
Acq: 11 Nov 2021 15:50

Tgt Ion: 117 Resp: 220854  
Ion Ratio Lower Upper  
117 100  
82 58.7 47.8 71.8  
119 32.1 25.8 38.8

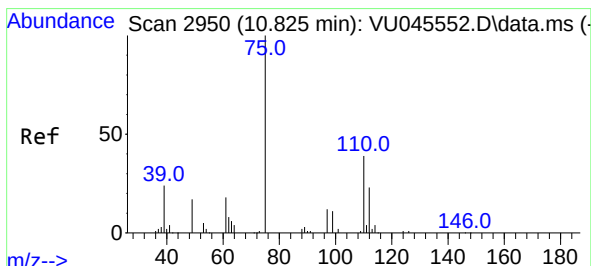
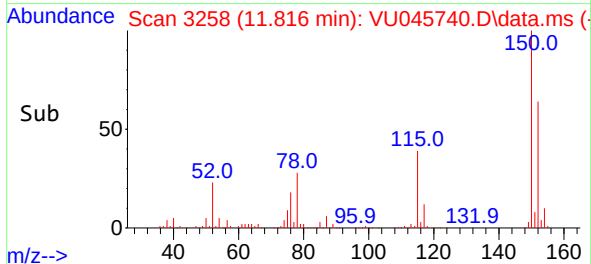
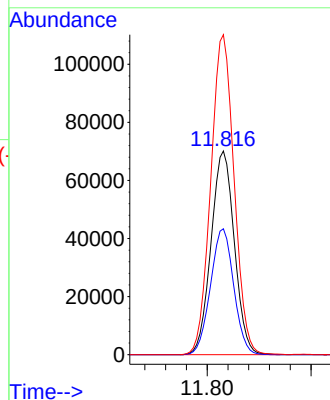
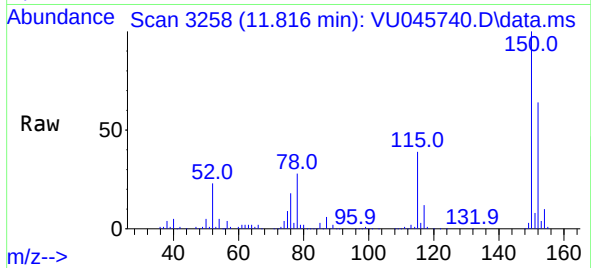




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 11.816 min Scan# 31  
 Delta R.T. 0.003 min  
 Lab File: VU045740.D  
 Acq: 11 Nov 2021 15:50

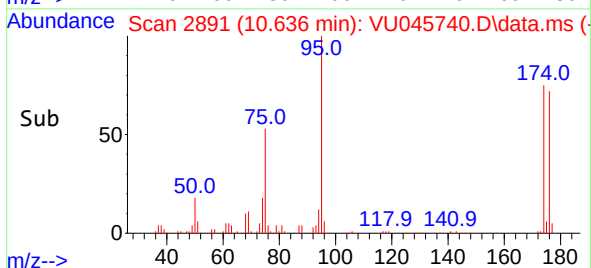
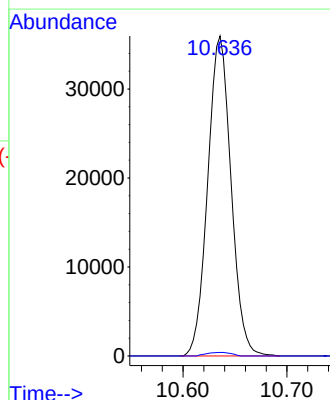
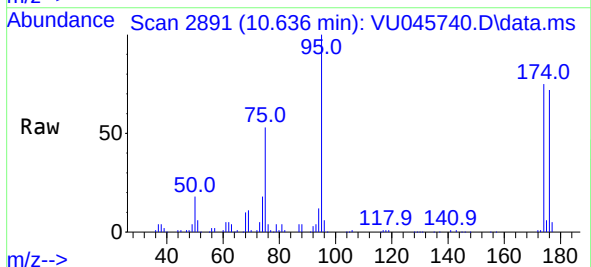
Instrument :  
 MSVOA\_U  
 ClientSampleId :

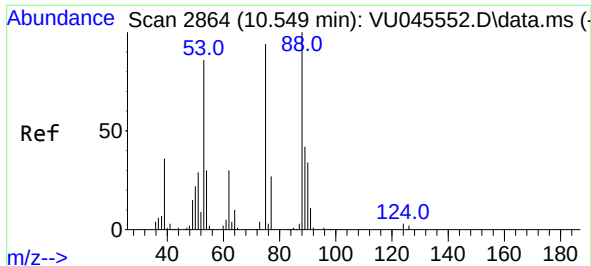
Tgt Ion:152 Resp: 109246  
 Ion Ratio Lower Upper  
 152 100  
 115 61.5 42.7 128.1  
 150 157.1 0.0 346.8



#76  
 1,2,3-Trichloropropane  
 Concen: 16.906 ug/l  
 RT: 10.636 min Scan# 2891  
 Delta R.T. -0.190 min  
 Lab File: VU045740.D  
 Acq: 11 Nov 2021 15:50

Tgt Ion: 75 Resp: 56009  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 17.1 51.3#

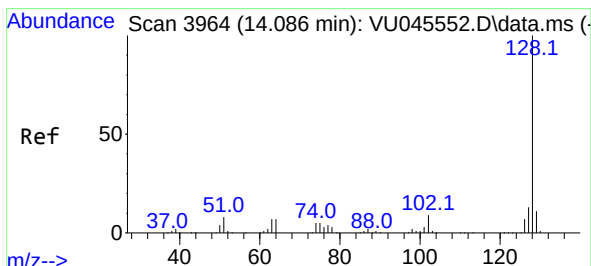
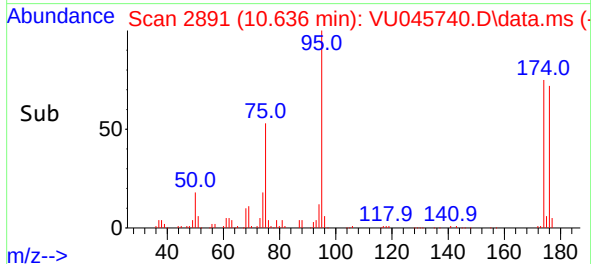
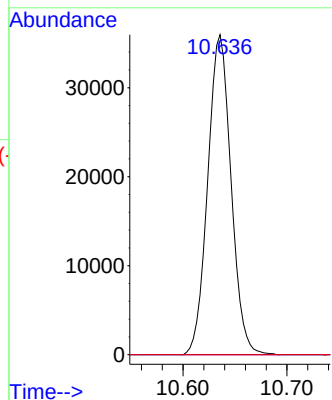
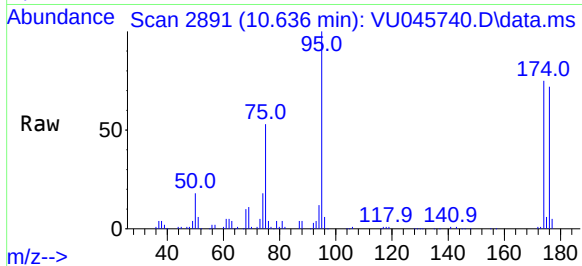




#81  
trans-1,4-Dichloro-2-butene  
Concen: 55.061 ug/l  
RT: 10.636 min Scan# 2864  
Delta R.T. 0.087 min  
Lab File: VU045740.D  
Acq: 11 Nov 2021 15:50

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 75 Resp: 56009  
Ion Ratio Lower Upper  
75 100  
53 0.0 76.2 114.4#  
89 0.0 34.0 51.0#



#95  
Naphthalene  
Concen: 1.055 ug/l  
RT: 14.102 min Scan# 3969  
Delta R.T. 0.016 min  
Lab File: VU045740.D  
Acq: 11 Nov 2021 15:50

Tgt Ion: 128 Resp: 240  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.6 15.8#  
129 0.0 8.6 13.0#

