

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041421\  
 Data File : VU043099.D  
 Acq On : 14 Apr 2021 17:03  
 Operator : SY/MD  
 Sample : M1998-14  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 15 02:08:05 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U041221W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Apr 12 13:17:29 2021  
 Response via : Initial Calibration

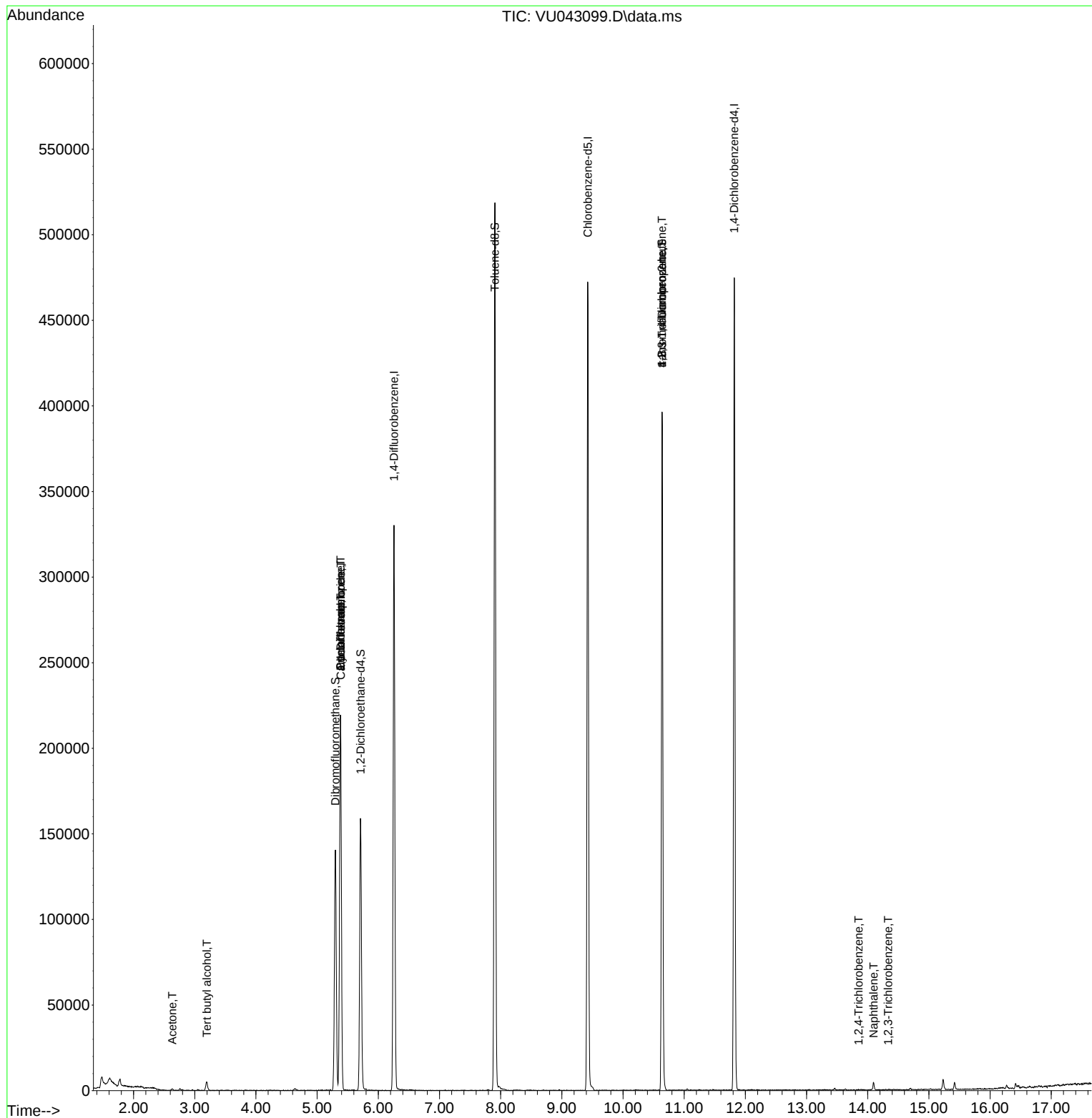
| Compound                      | R.T.   | QIon | Response | Conc         | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------------|--------|----------|
| -----                         |        |      |          |              |        |          |
| Internal Standards            |        |      |          |              |        |          |
| 1) Pentafluorobenzene         | 5.382  | 168  | 152366   | 50.00        | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.256  | 114  | 246228   | 50.00        | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 9.423  | 117  | 238721   | 50.00        | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.819 | 152  | 114625   | 50.00        | ug/l   | 0.00     |
| System Monitoring Compounds   |        |      |          |              |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.710  | 65   | 124117   | 48.46        | ug/l   | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =            | 96.92% |          |
| 35) Dibromofluoromethane      | 5.298  | 113  | 85685    | 46.31        | ug/l   | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =            | 92.62% |          |
| 50) Toluene-d8                | 7.906  | 98   | 314559   | 48.05        | ug/l   | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =            | 96.10% |          |
| 62) 4-Bromofluorobenzene      | 10.639 | 95   | 117005   | 44.63        | ug/l   | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =            | 89.26% |          |
| Target Compounds              |        |      |          |              |        |          |
|                               |        |      |          |              |        | Qvalue   |
| 3) Chloromethane              | 1.523  | 50   | 471      | Below Cal    |        | 92       |
| 11) Tert butyl alcohol        | 3.199  | 59   | 3298     | 5.00 ug/l #  |        | 94       |
| 16) Acetone                   | 2.633  | 43   | 903      | 0.30 ug/l    |        | 96       |
| 31) Cyclohexane               | 5.382  | 56   | 3834     | 1.21 ug/l #  |        | 45       |
| 36) 1,1-Dichloropropene       | 5.382  | 75   | 12354    | 4.73 ug/l #  |        | 47       |
| 38) Carbon Tetrachloride      | 5.385  | 117  | 15118    | 5.40 ug/l #  |        | 17       |
| 76) 1,2,3-Trichloropropane    | 10.639 | 75   | 67729    | 20.22 ug/l # |        | 37       |
| 81) trans-1,4-Dichloro-2-b... | 10.639 | 75   | 67729    | 59.42 ug/l # |        | 7        |
| 93) 1,2,4-Trichlorobenzene    | 13.851 | 180  | 40       | 1.52 ug/l #  |        | 78       |
| 95) Naphthalene               | 14.095 | 128  | 4017     | 3.20 ug/l    |        | 95       |
| 96) 1,2,3-Trichlorobenzene    | 14.333 | 180  | 47       | 1.48 ug/l #  |        | 1        |
| -----                         |        |      |          |              |        |          |

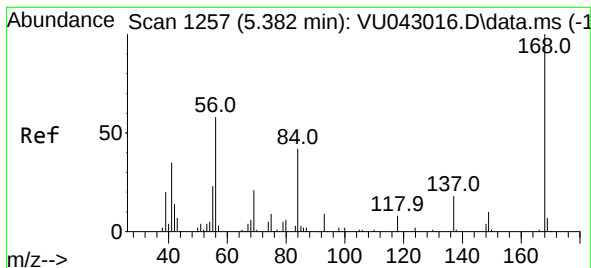
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041421\  
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Sample : M1998-14  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Apr 15 02:08:05 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U041221W.M  
Quant Title : SW846 8260  
QLast Update : Mon Apr 12 13:17:29 2021  
Response via : Initial Calibration

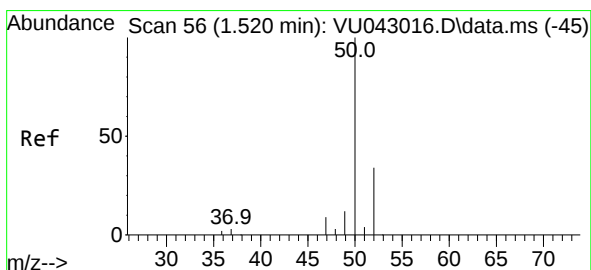
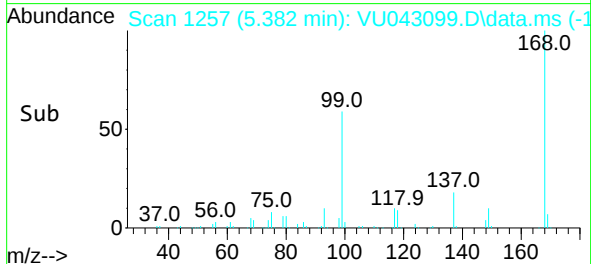
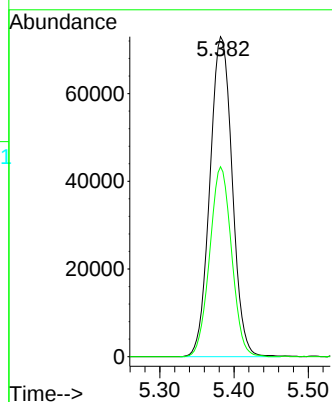
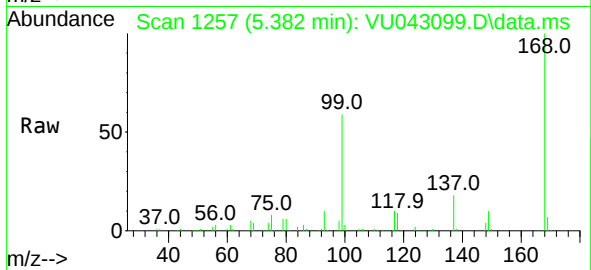




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.382 min Scan# 1257  
Delta R.T. -0.000 min  
Lab File: VU043099.D  
Acq: 14 Apr 2021 17:03

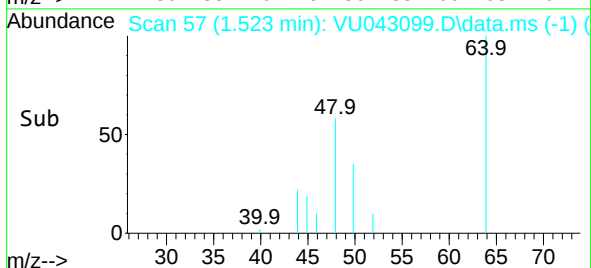
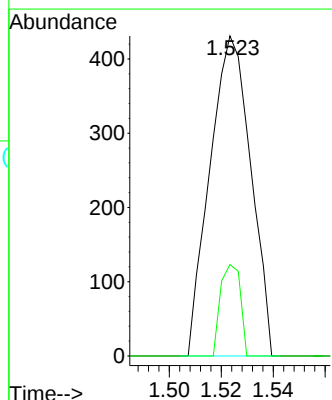
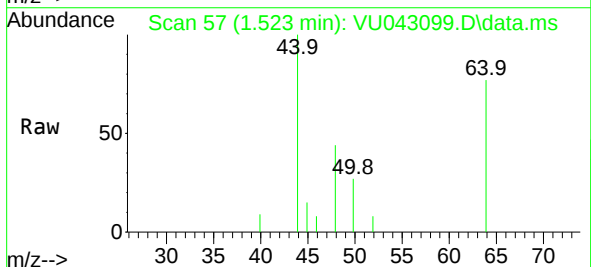
Instrument :  
MSVOA\_U  
ClientSampled :

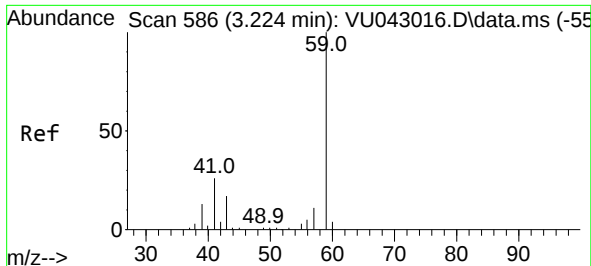
Tgt Ion:168 Resp: 152366  
Ion Ratio Lower Upper  
168 100  
99 59.4 45.0 67.4



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.523 min Scan# 57  
Delta R.T. 0.003 min  
Lab File: VU043099.D  
Acq: 14 Apr 2021 17:03

Tgt Ion: 50 Resp: 471  
Ion Ratio Lower Upper  
50 100  
52 28.5 26.6 40.0

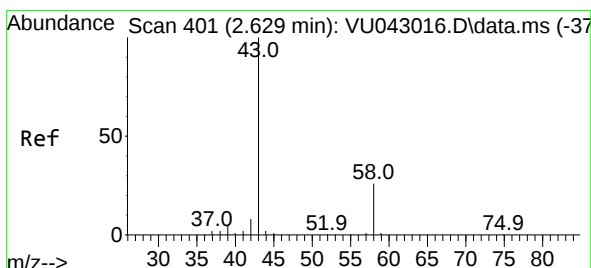
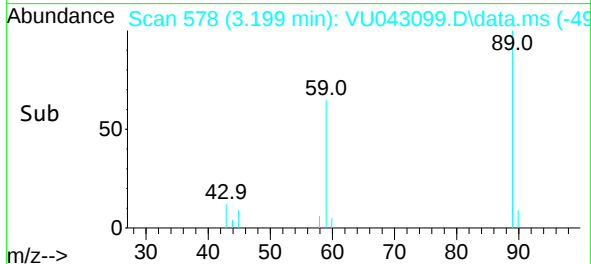
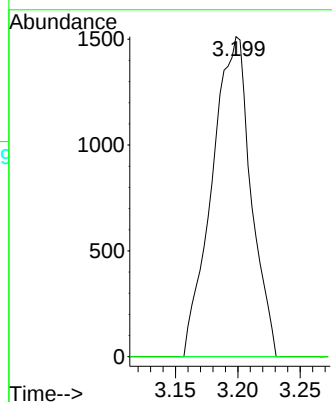
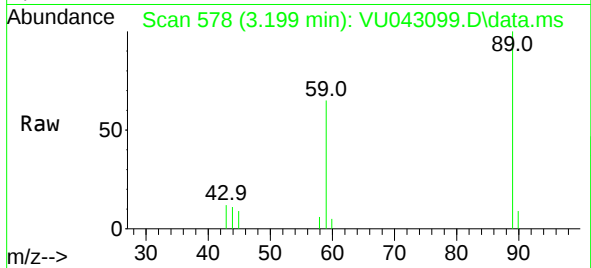




#11  
Tert butyl alcohol  
Concen: 5.00 ug/l  
RT: 3.199 min Scan# 578  
Delta R.T. -0.025 min  
Lab File: VU043099.D  
Acq: 14 Apr 2021 17:03

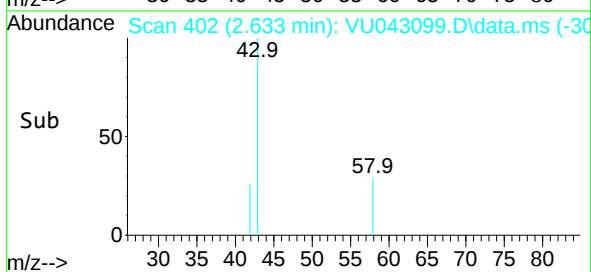
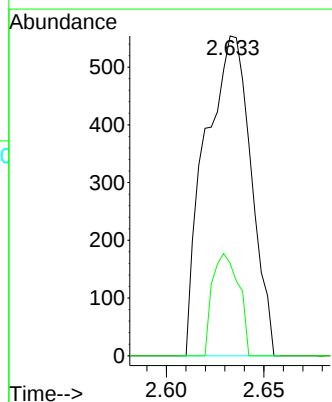
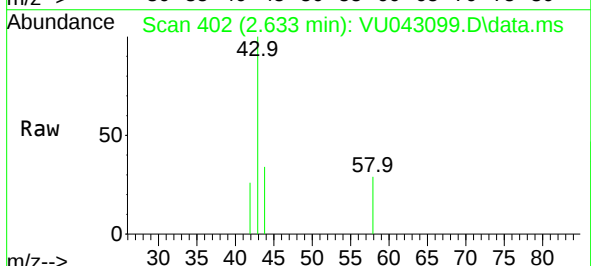
Instrument :  
MSVOA\_U  
ClientSampleId :

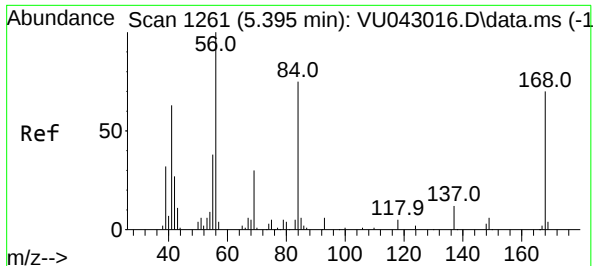
Tgt Ion: 59 Resp: 3298  
Ion Ratio Lower Upper  
59 100  
57 0.0 1.6 2.4#



#16  
Acetone  
Concen: 0.30 ug/l  
RT: 2.633 min Scan# 402  
Delta R.T. 0.004 min  
Lab File: VU043099.D  
Acq: 14 Apr 2021 17:03

Tgt Ion: 43 Resp: 903  
Ion Ratio Lower Upper  
43 100  
58 28.9 21.5 32.3

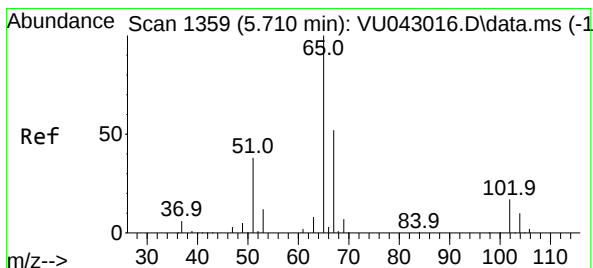
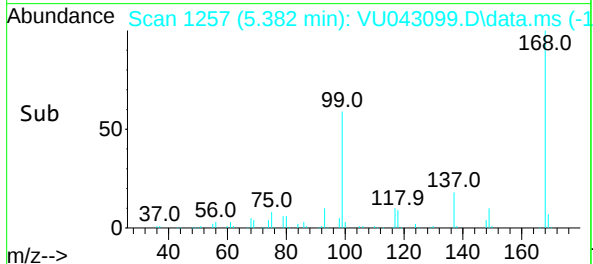
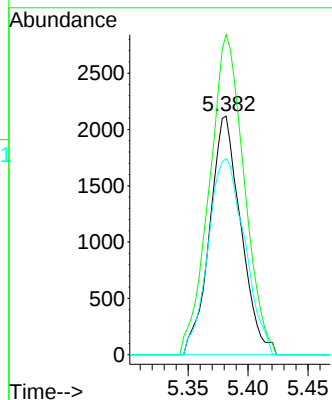
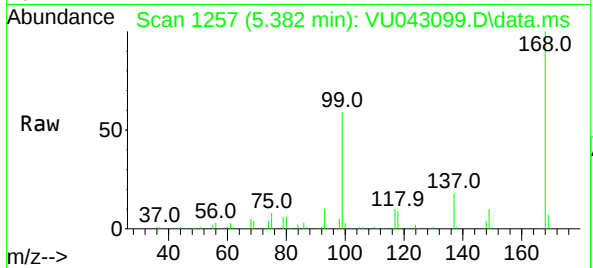




#31  
Cyclohexane  
Concen: 1.21 ug/l  
RT: 5.382 min Scan# 1257  
Delta R.T. -0.013 min  
Lab File: VU043099.D  
Acq: 14 Apr 2021 17:03

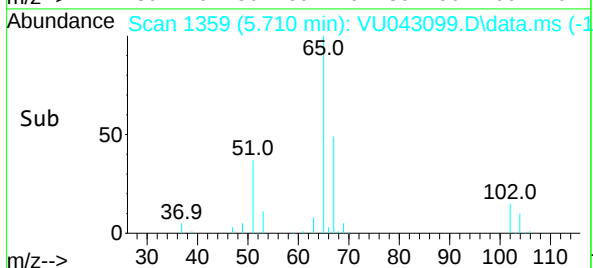
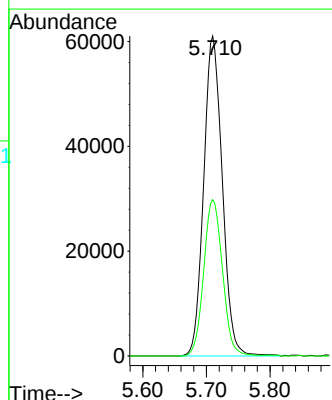
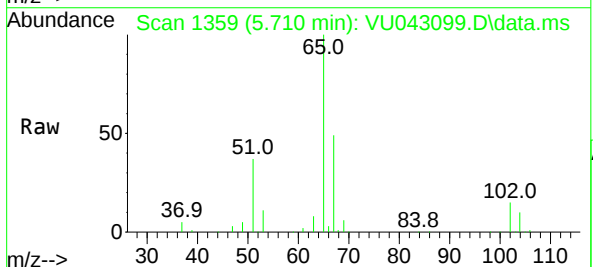
Instrument :  
MSVOA\_U  
ClientSampleId :

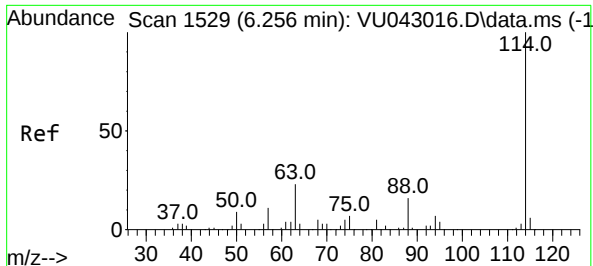
Tgt Ion: 56 Resp: 3834  
Ion Ratio Lower Upper  
56 100  
69 134.1 24.9 37.3#  
84 82.2 63.7 95.5



#33  
1,2-Dichloroethane-d4  
Concen: 48.46 ug/l  
RT: 5.710 min Scan# 1359  
Delta R.T. -0.000 min  
Lab File: VU043099.D  
Acq: 14 Apr 2021 17:03

Tgt Ion: 65 Resp: 124117  
Ion Ratio Lower Upper  
65 100  
67 49.2 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.000 min

Lab File: VU043099.D

Acq: 14 Apr 2021 17:03

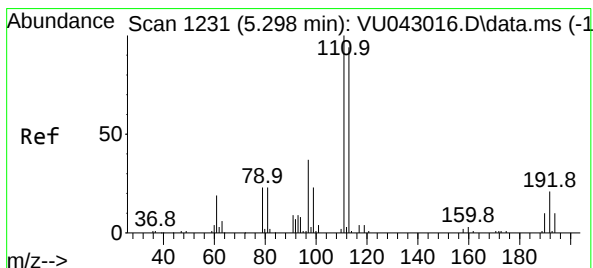
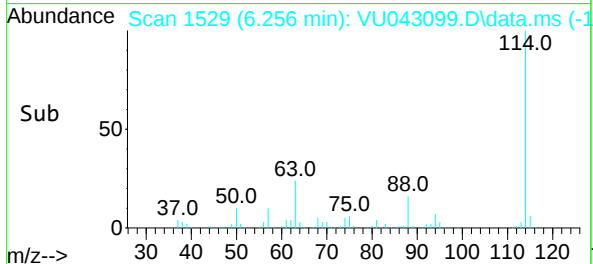
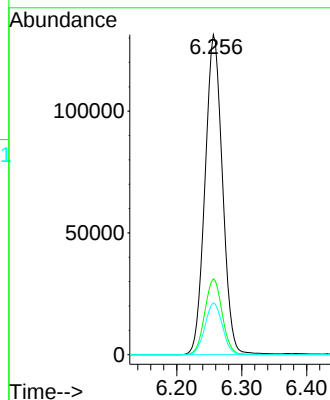
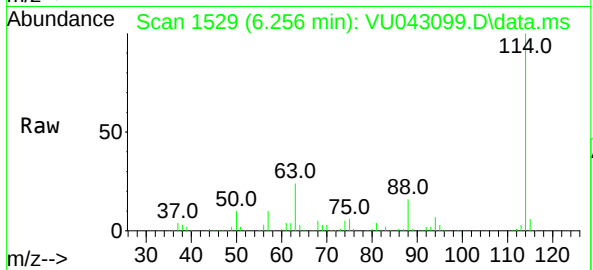
Tgt Ion:114 Resp: 246228

Ion Ratio Lower Upper

114 100

63 23.7 0.0 44.2

88 16.2 0.0 33.4



#35

Dibromofluoromethane

Concen: 46.31 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VU043099.D

Acq: 14 Apr 2021 17:03

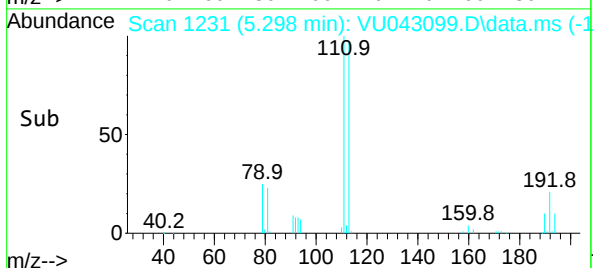
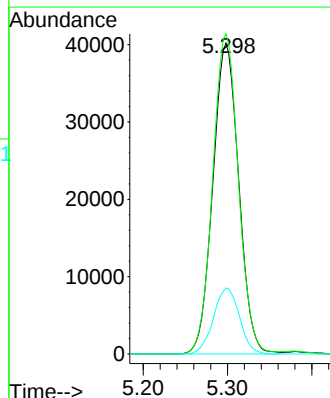
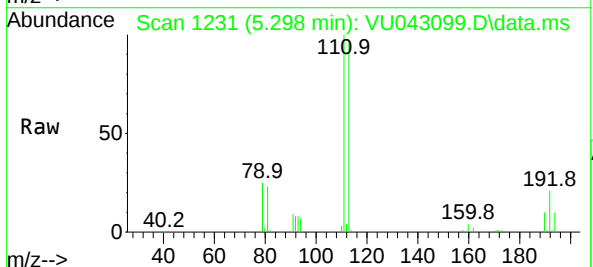
Tgt Ion:113 Resp: 85685

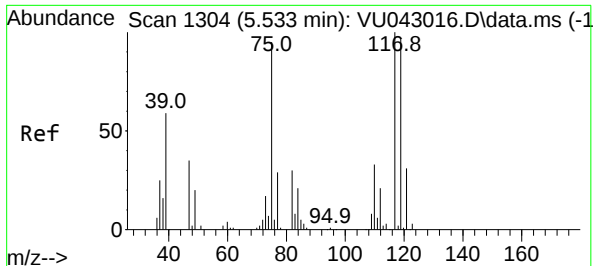
Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

192 21.3 17.2 25.8

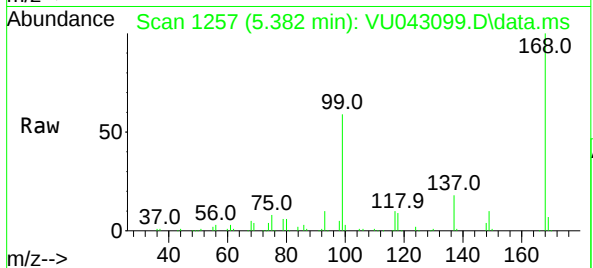




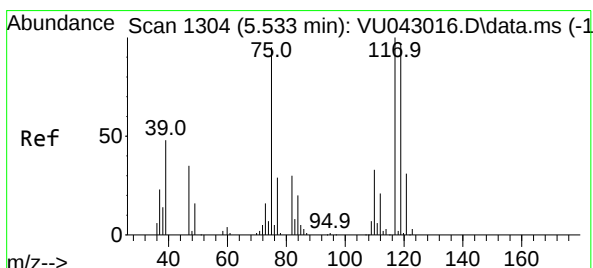
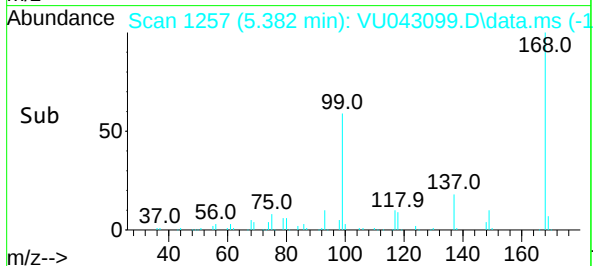
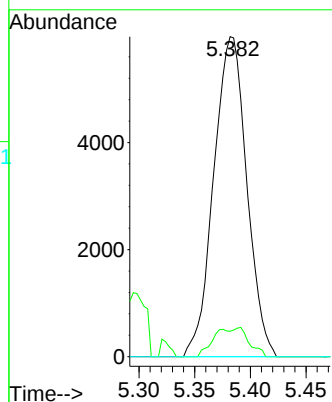
#36

1,1-Dichloropropene  
Concen: 4.73 ug/l  
RT: 5.382 min Scan# 1257  
Delta R.T. -0.151 min  
Lab File: VU043099.D  
Acq: 14 Apr 2021 17:03

Instrument :  
MSVOA\_U  
ClientSampled :

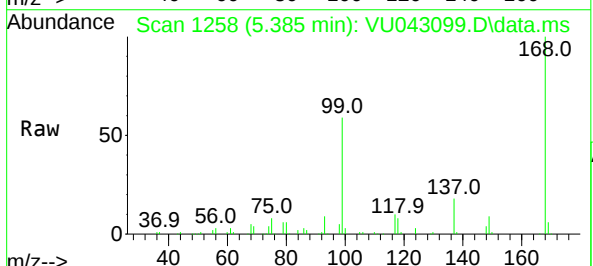


|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 12354 |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 110 4.9     | 16.8 50.3#  |
| 77 0.0      | 24.8 37.2#  |

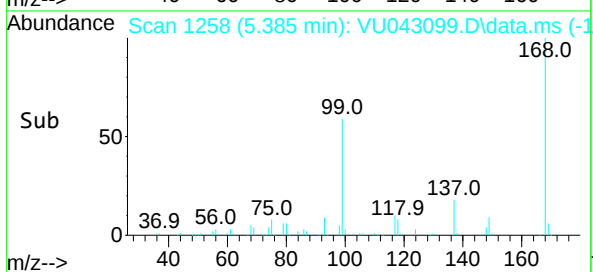
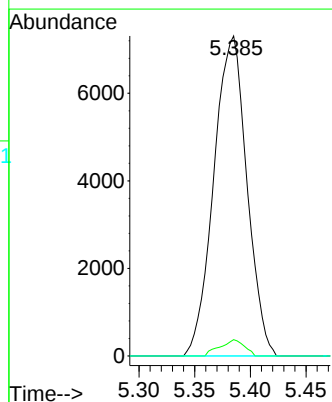


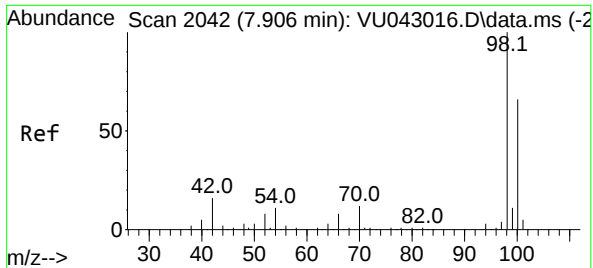
#38

Carbon Tetrachloride  
Concen: 5.40 ug/l  
RT: 5.385 min Scan# 1258  
Delta R.T. -0.148 min  
Lab File: VU043099.D  
Acq: 14 Apr 2021 17:03



|              |             |
|--------------|-------------|
| Tgt Ion: 117 | Resp: 15118 |
| Ion Ratio    | Lower Upper |
| 117 100      |             |
| 119 5.1      | 75.5 113.3# |
| 121 0.0      | 24.7 37.1#  |

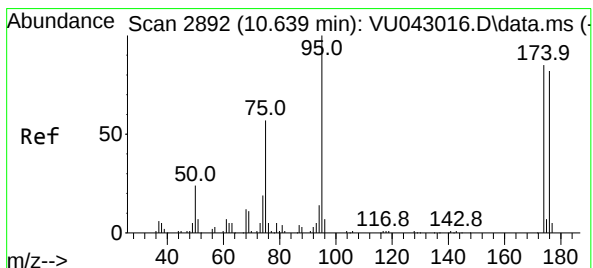
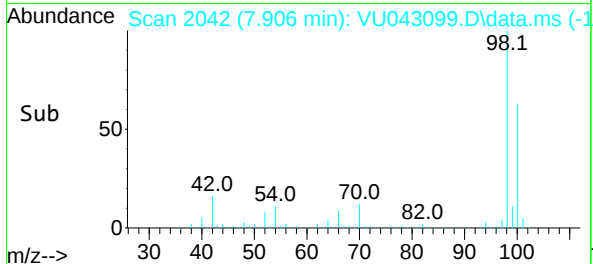
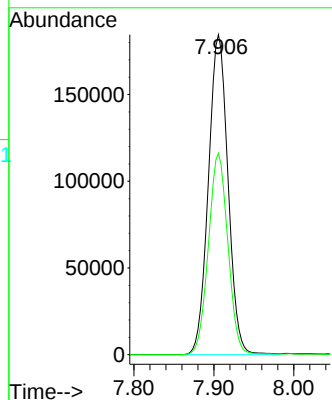
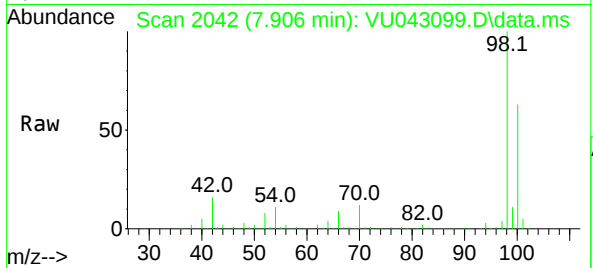




#50  
Toluene-d8  
Concen: 48.05 ug/l  
RT: 7.906 min Scan# 2042  
Delta R.T. -0.000 min  
Lab File: VU043099.D  
Acq: 14 Apr 2021 17:03

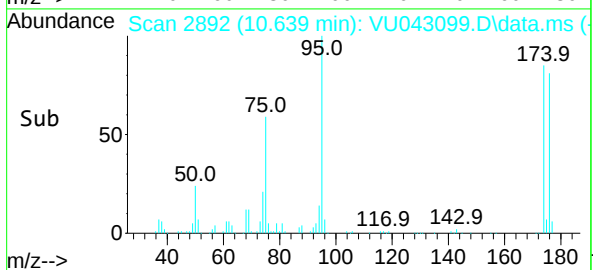
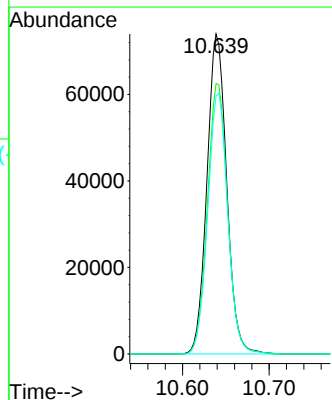
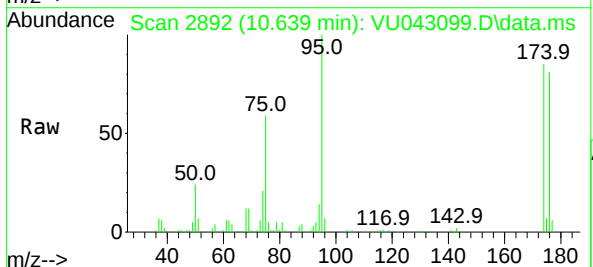
Instrument :  
MSVOA\_U  
ClientSampled :

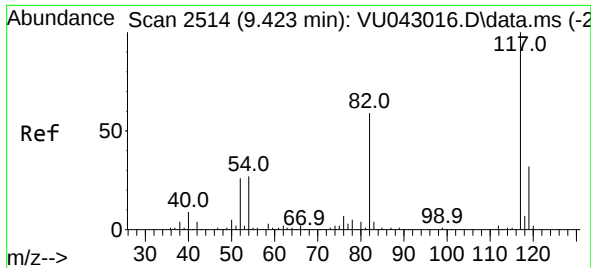
Tgt Ion: 98 Resp: 314559  
Ion Ratio Lower Upper  
98 100  
100 62.6 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 44.63 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. -0.000 min  
Lab File: VU043099.D  
Acq: 14 Apr 2021 17:03

Tgt Ion: 95 Resp: 117005  
Ion Ratio Lower Upper  
95 100  
174 86.5 0.0 172.2  
176 82.9 0.0 168.8

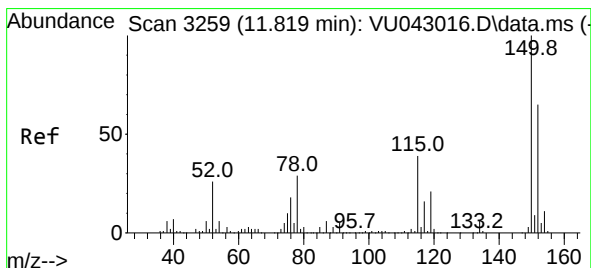
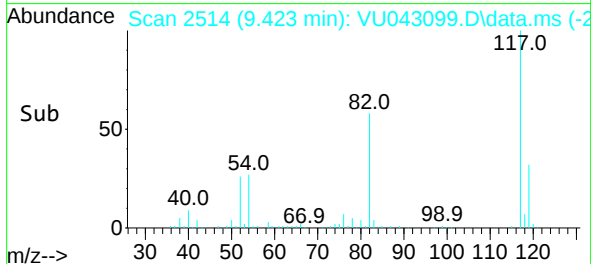
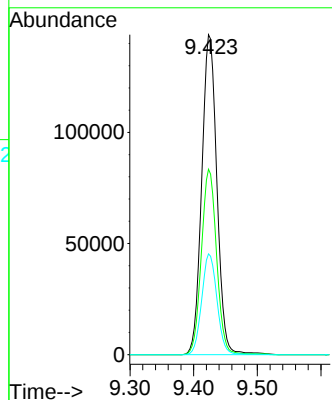
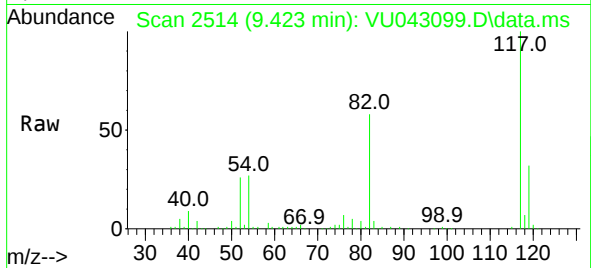




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.423 min Scan# 2514  
Delta R.T. 0.000 min  
Lab File: VU043099.D  
Acq: 14 Apr 2021 17:03

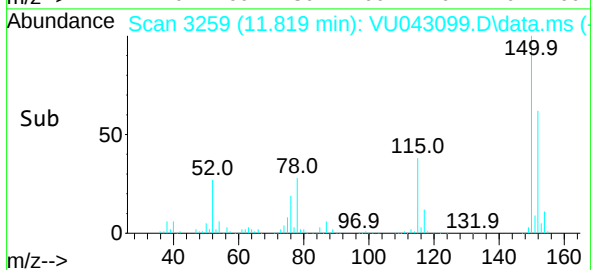
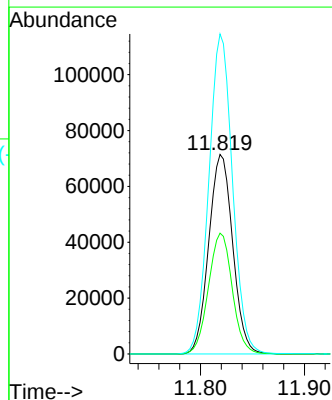
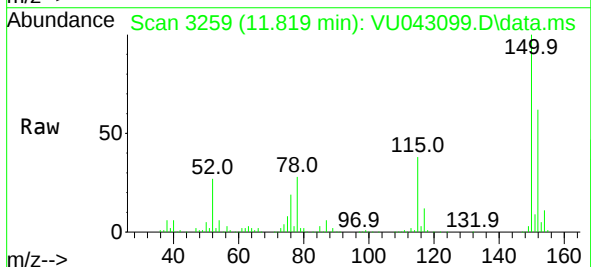
Instrument :  
MSVOA\_U  
ClientSampled :

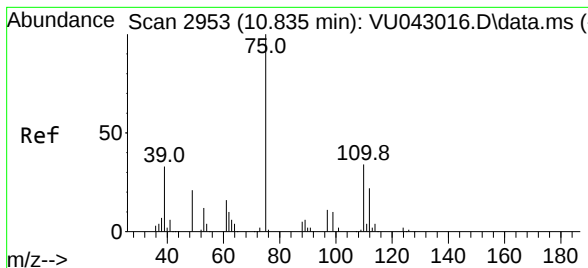
Tgt Ion:117 Resp: 238721  
Ion Ratio Lower Upper  
117 100  
82 58.0 45.8 68.6  
119 31.5 25.8 38.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 11.819 min Scan# 3259  
Delta R.T. -0.000 min  
Lab File: VU043099.D  
Acq: 14 Apr 2021 17:03

Tgt Ion:152 Resp: 114625  
Ion Ratio Lower Upper  
152 100  
115 60.0 41.5 124.6  
150 158.2 0.0 342.4

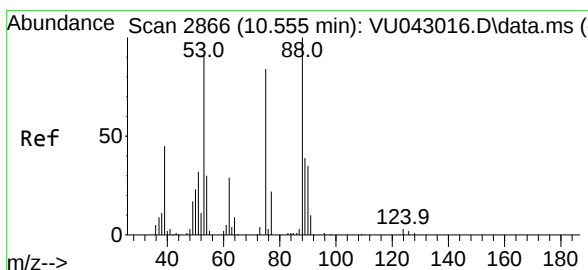
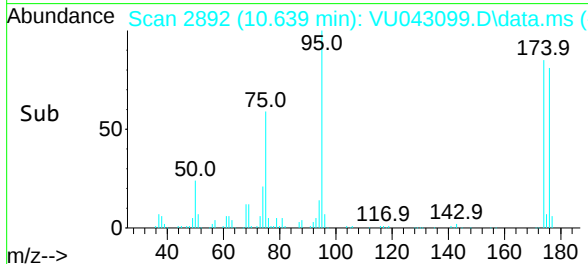
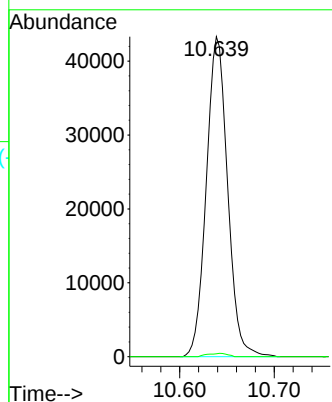
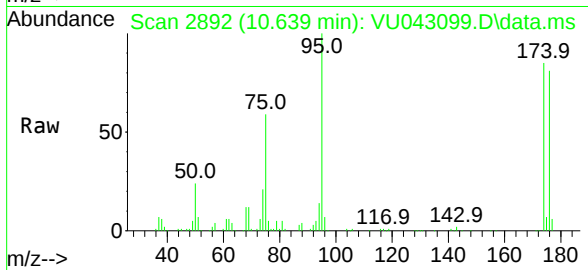




#76  
1,2,3-Trichloropropane  
Concen: 20.22 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. -0.196 min  
Lab File: VU043099.D  
Acq: 14 Apr 2021 17:03

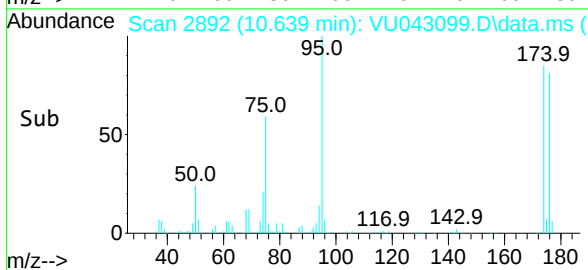
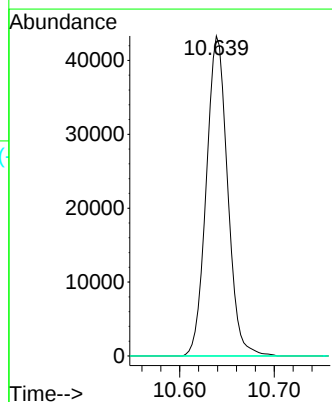
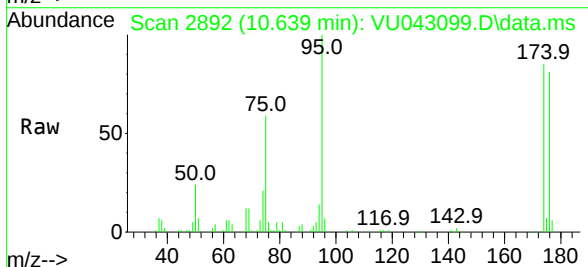
Instrument :  
MSVOA\_U  
ClientSampled :

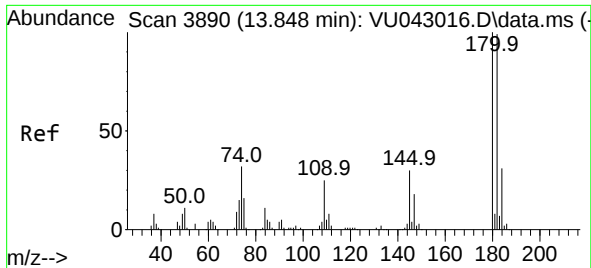
Tgt Ion: 75 Resp: 67729  
Ion Ratio Lower Upper  
75 100  
77 1.0 20.2 60.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 59.42 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. 0.084 min  
Lab File: VU043099.D  
Acq: 14 Apr 2021 17:03

Tgt Ion: 75 Resp: 67729  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.6 128.4#  
89 0.0 35.7 53.5#

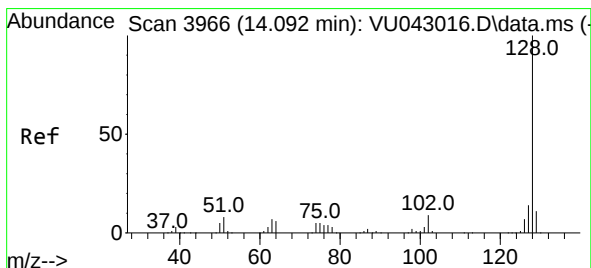
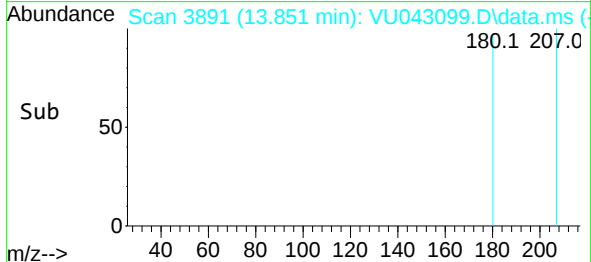
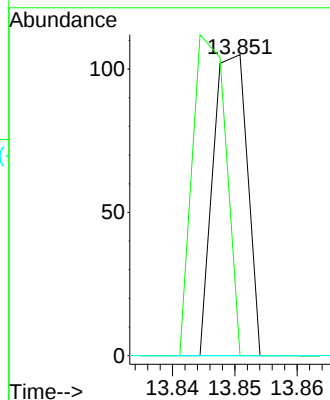
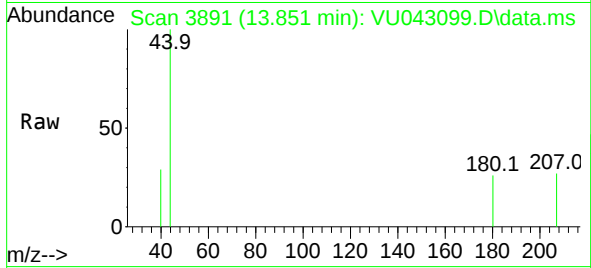




#93  
1,2,4-Trichlorobenzene  
Concen: 1.52 ug/l  
RT: 13.851 min Scan# 3891  
Delta R.T. 0.003 min  
Lab File: VU043099.D  
Acq: 14 Apr 2021 17:03

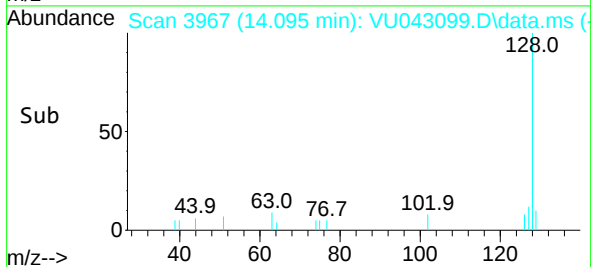
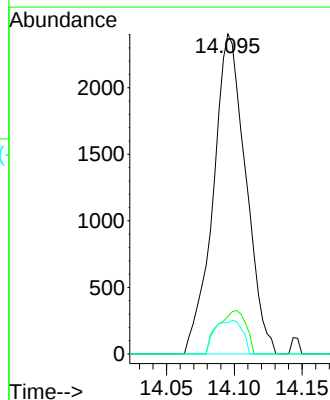
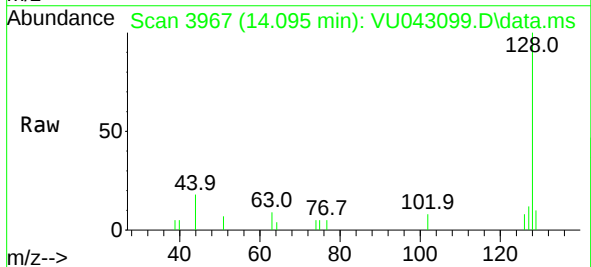
Instrument :  
MSVOA\_U  
ClientSampled :

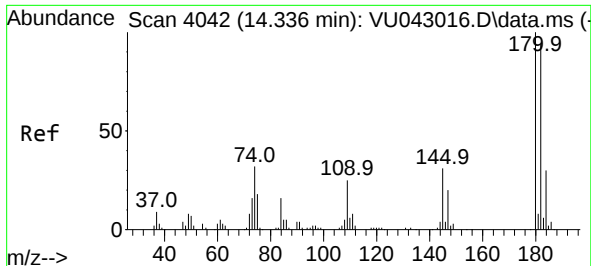
Tgt Ion:180 Resp: 40  
Ion Ratio Lower Upper  
180 100  
182 105.0 46.9 140.8  
145 0.0 14.4 43.4#



#95  
Naphthalene  
Concen: 3.20 ug/l  
RT: 14.095 min Scan# 3967  
Delta R.T. 0.003 min  
Lab File: VU043099.D  
Acq: 14 Apr 2021 17:03

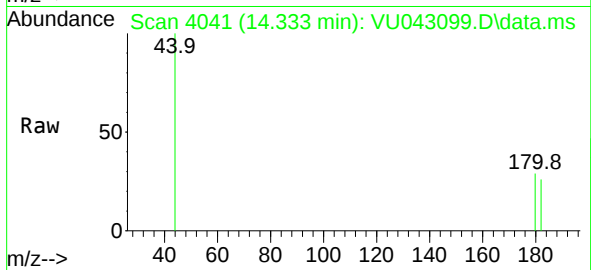
Tgt Ion:128 Resp: 4017  
Ion Ratio Lower Upper  
128 100  
127 11.7 10.8 16.2  
129 8.9 8.6 13.0





#96  
 1,2,3-Trichlorobenzene  
 Concen: 1.48 ug/l  
 RT: 14.333 min Scan# 4041  
 Delta R.T. -0.003 min  
 Lab File: VU043099.D  
 Acq: 14 Apr 2021 17:03

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion:180 Resp: 47  
 Ion Ratio Lower Upper  
 180 100  
 182 323.4 48.0 144.0#  
 145 0.0 15.5 46.5#

