

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041421\  
 Data File : VU043084.D  
 Acq On : 14 Apr 2021 10:54  
 Operator : SY/MD  
 Sample : VU0414WBL01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 15 02:00:40 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

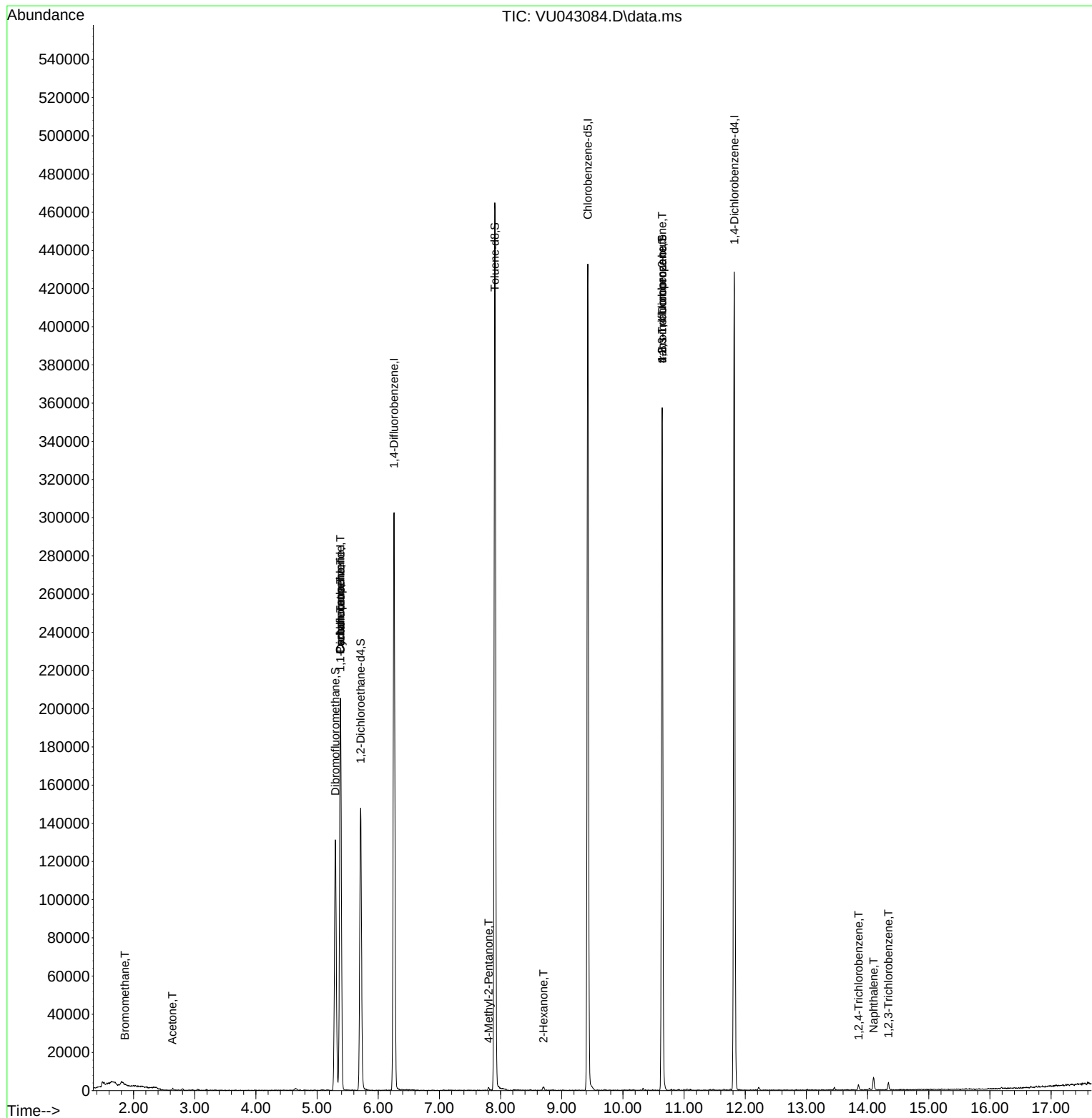
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) Pentafluorobenzene         | 5.382  | 168  | 139071   | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.259  | 114  | 229704   | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 9.427  | 117  | 218184   | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.822 | 152  | 104802   | 50.00     | ug/l   | 0.00     |
|                               |        |      |          |           |        |          |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.713  | 65   | 116018   | 49.62     | ug/l   | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =         | 99.24% |          |
| 35) Dibromofluoromethane      | 5.298  | 113  | 79826    | 46.25     | ug/l   | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =         | 92.50% |          |
| 50) Toluene-d8                | 7.906  | 98   | 286733   | 46.95     | ug/l   | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =         | 93.90% |          |
| 62) 4-Bromofluorobenzene      | 10.642 | 95   | 106172   | 43.41     | ug/l   | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =         | 86.82% |          |
|                               |        |      |          |           |        |          |
| Target Compounds              |        |      |          |           | Qvalue |          |
| 3) Chloromethane              | 1.523  | 50   | 503      | Below Cal | #      | 83       |
| 5) Bromomethane               | 1.858  | 94   | 221      | 0.26      | ug/l   | 86       |
| 16) Acetone                   | 2.636  | 43   | 900      | 0.35      | ug/l # | 48       |
| 31) Cyclohexane               | 5.382  | 56   | 3530     | 1.22      | ug/l # | 37       |
| 36) 1,1-Dichloropropene       | 5.378  | 75   | 11546    | 4.74      | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.382  | 117  | 14085    | 5.39      | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 7.806  | 43   | 1209     | 0.27      | ug/l # | 74       |
| 59) 2-Hexanone                | 8.700  | 43   | 1680     | 0.46      | ug/l   | 65       |
| 76) 1,2,3-Trichloropropane    | 10.642 | 75   | 61171    | 19.97     | ug/l # | 37       |
| 81) trans-1,4-Dichloro-2-b... | 10.642 | 75   | 61171    | 58.69     | ug/l # | 7        |
| 93) 1,2,4-Trichlorobenzene    | 13.851 | 180  | 1024     | 1.92      | ug/l   | 91       |
| 94) Hexachlorobutadiene       | 14.028 | 225  | 237      | Below Cal |        | 83       |
| 95) Naphthalene               | 14.098 | 128  | 5881     | 3.47      | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 14.339 | 180  | 1416     | 2.05      | ug/l   | 95       |
| -----                         |        |      |          |           |        |          |

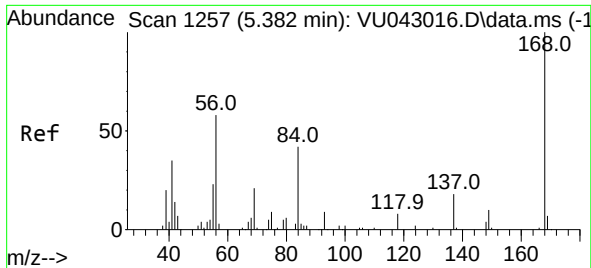
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041421\  
Data File : VU043084.D  
Acq On : 14 Apr 2021 10:54  
Operator : SY/MD  
Sample : VU0414WBL01  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Apr 15 02:00:40 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

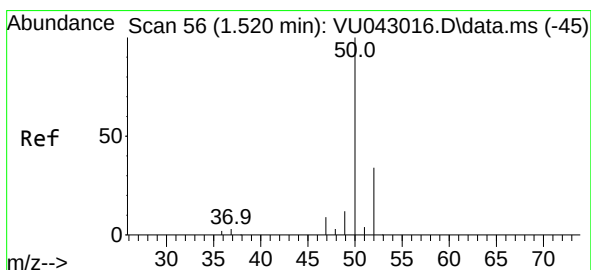
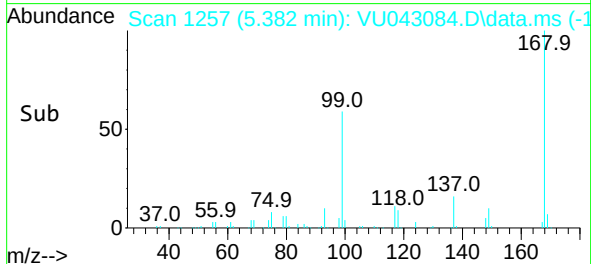
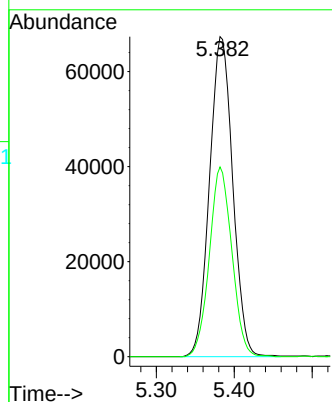
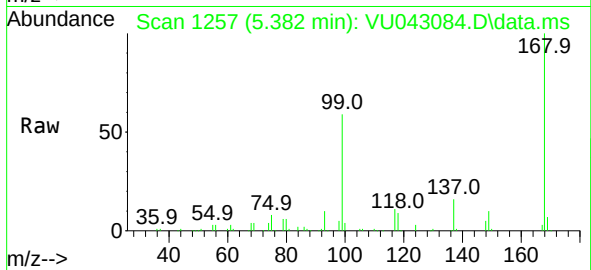




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.382 min Scan# 1257  
Delta R.T. -0.000 min  
Lab File: VU043084.D  
Acq: 14 Apr 2021 10:54

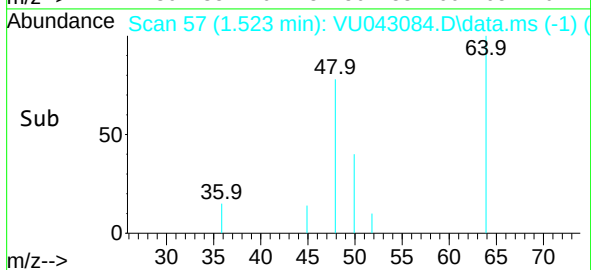
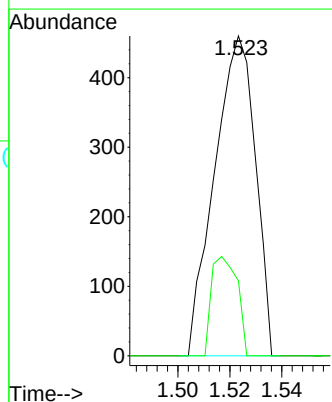
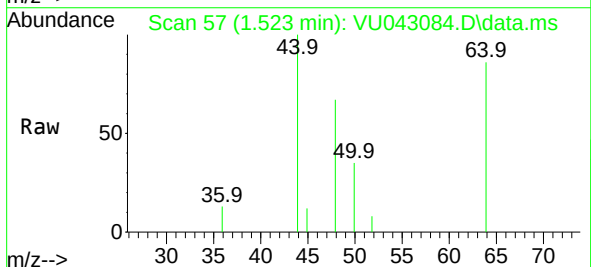
Instrument :  
MSVOA\_U  
ClientSampleId :

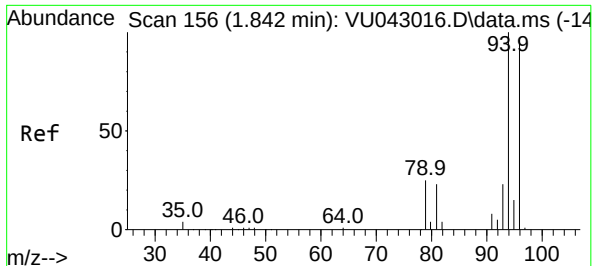
Tgt Ion:168 Resp: 139071  
Ion Ratio Lower Upper  
168 100  
99 59.3 45.0 67.4



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.523 min Scan# 57  
Delta R.T. 0.003 min  
Lab File: VU043084.D  
Acq: 14 Apr 2021 10:54

Tgt Ion: 50 Resp: 503  
Ion Ratio Lower Upper  
50 100  
52 23.5 26.6 40.0#

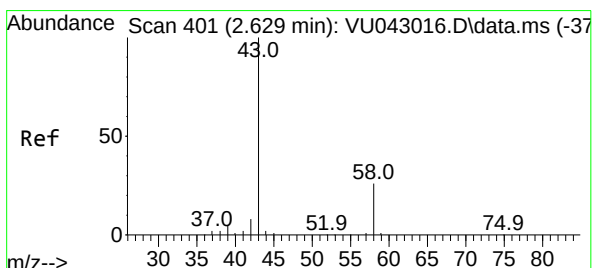
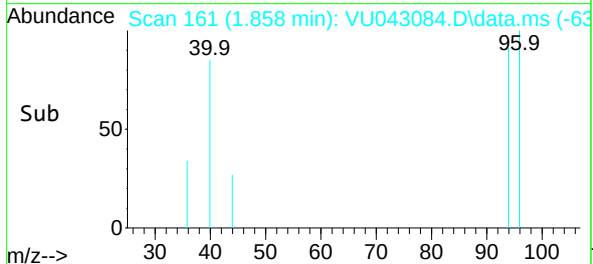
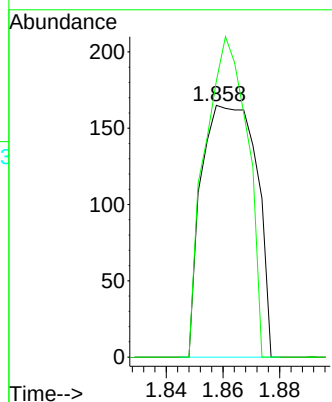
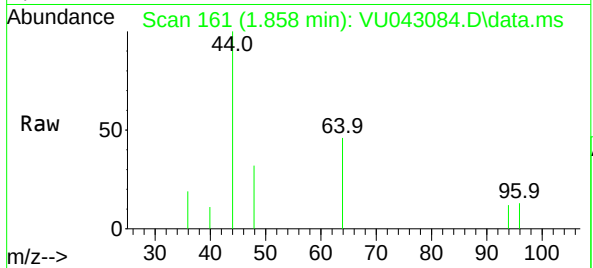




#5  
Bromomethane  
Concen: 0.26 ug/l  
RT: 1.858 min Scan# 161  
Delta R.T. 0.016 min  
Lab File: VU043084.D  
Acq: 14 Apr 2021 10:54

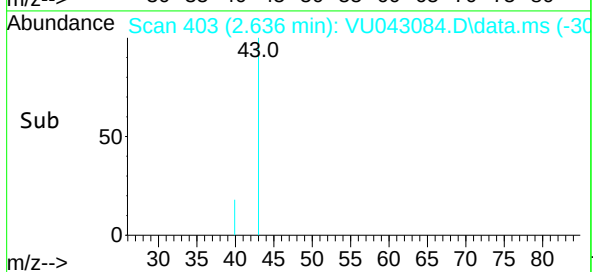
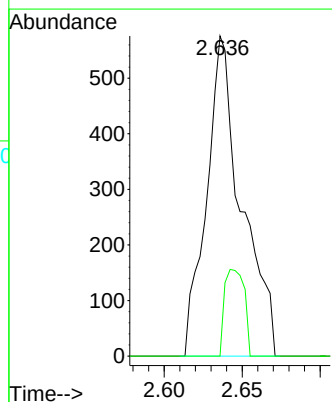
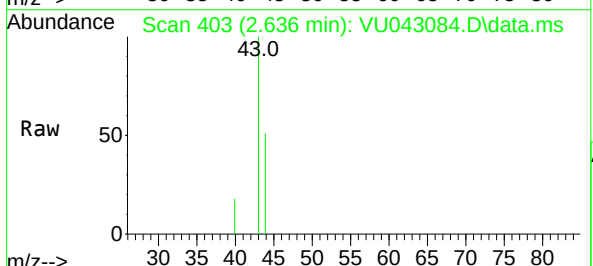
Instrument :  
MSVOA\_U  
ClientSampled :

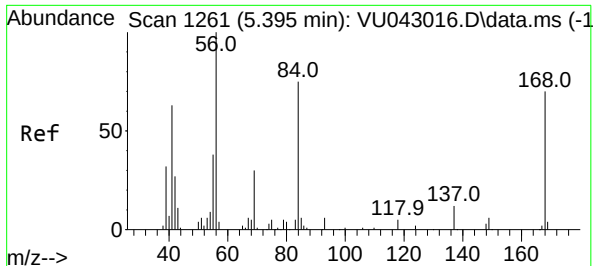
Tgt Ion: 94 Resp: 221  
Ion Ratio Lower Upper  
94 100  
96 109.7 76.6 115.0



#16  
Acetone  
Concen: 0.35 ug/l  
RT: 2.636 min Scan# 403  
Delta R.T. 0.007 min  
Lab File: VU043084.D  
Acq: 14 Apr 2021 10:54

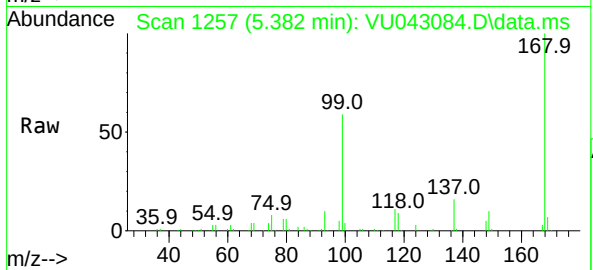
Tgt Ion: 43 Resp: 900  
Ion Ratio Lower Upper  
43 100  
58 0.0 21.5 32.3#



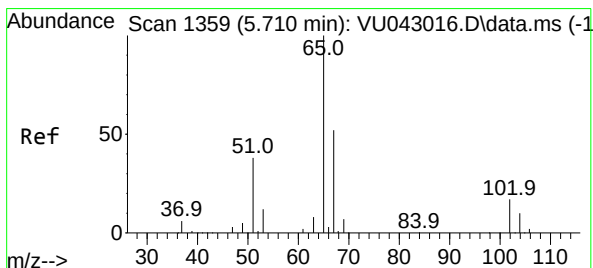
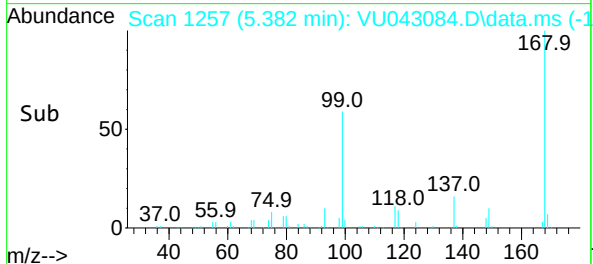
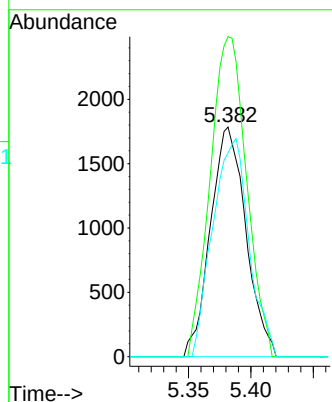


#31  
Cyclohexane  
Concen: 1.22 ug/l  
RT: 5.382 min Scan# 1257  
Delta R.T. -0.013 min  
Lab File: VU043084.D  
Acq: 14 Apr 2021 10:54

Instrument :  
MSVOA\_U  
ClientSampleId :

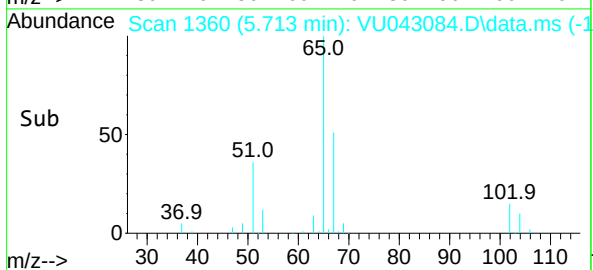
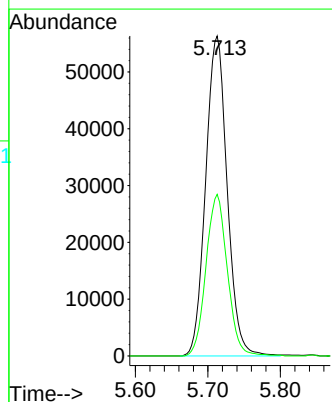
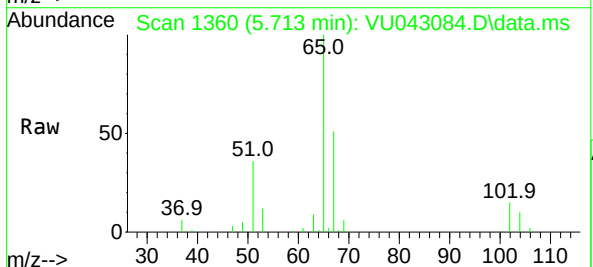


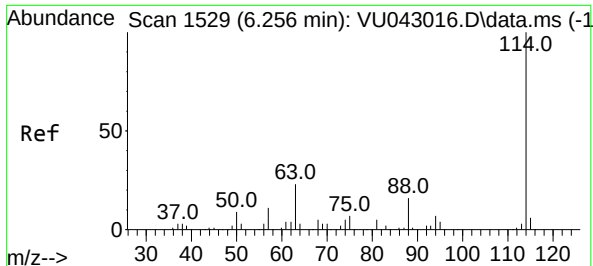
Tgt Ion: 56 Resp: 3530  
Ion Ratio Lower Upper  
56 100  
69 139.4 24.9 37.3#  
84 88.8 63.7 95.5



#33  
1,2-Dichloroethane-d4  
Concen: 49.62 ug/l  
RT: 5.713 min Scan# 1360  
Delta R.T. 0.003 min  
Lab File: VU043084.D  
Acq: 14 Apr 2021 10:54

Tgt Ion: 65 Resp: 116018  
Ion Ratio Lower Upper  
65 100  
67 50.1 0.0 99.8

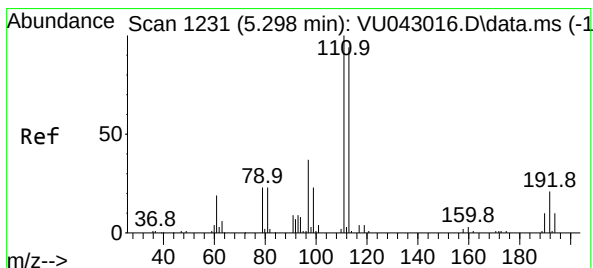
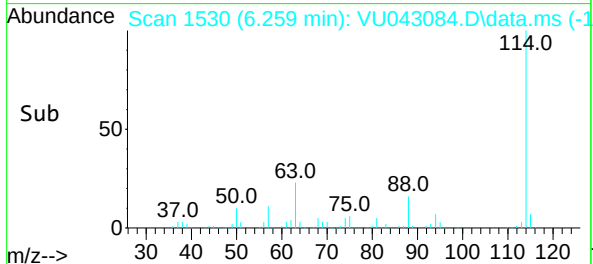
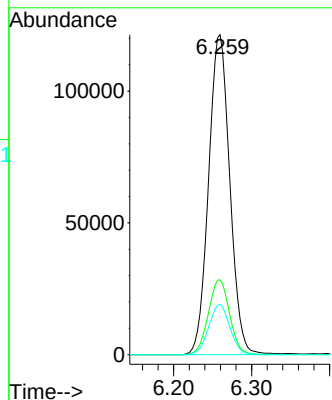
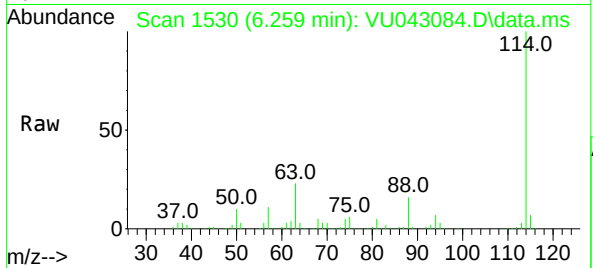




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.259 min Scan# 1530  
Delta R.T. 0.003 min  
Lab File: VU043084.D  
Acq: 14 Apr 2021 10:54

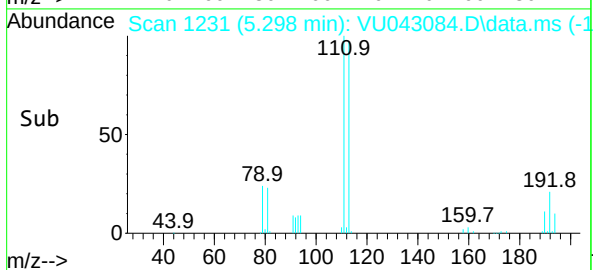
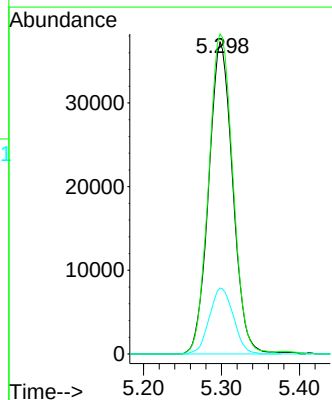
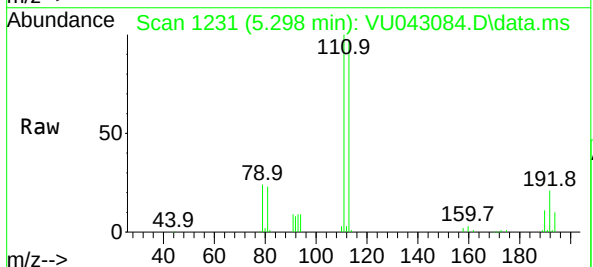
Instrument :  
MSVOA\_U  
ClientSampleId :

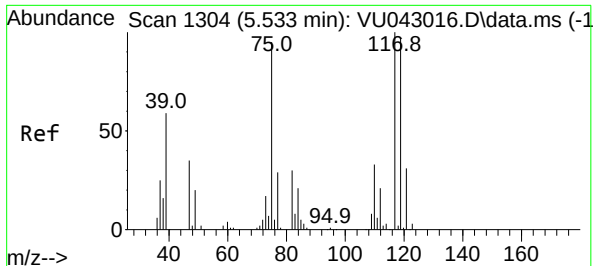
Tgt Ion:114 Resp: 229704  
Ion Ratio Lower Upper  
114 100  
63 23.4 0.0 44.2  
88 15.8 0.0 33.4



#35  
Dibromofluoromethane  
Concen: 46.25 ug/l  
RT: 5.298 min Scan# 1231  
Delta R.T. 0.000 min  
Lab File: VU043084.D  
Acq: 14 Apr 2021 10:54

Tgt Ion:113 Resp: 79826  
Ion Ratio Lower Upper  
113 100  
111 103.8 81.8 122.8  
192 21.1 17.2 25.8



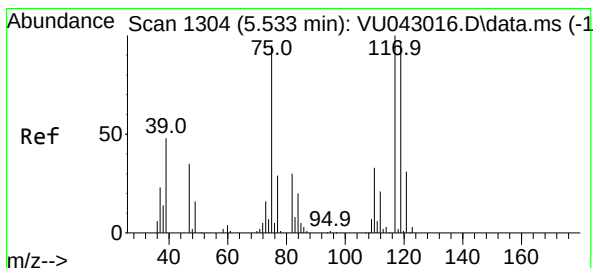
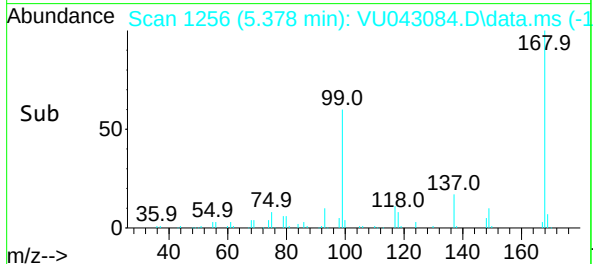
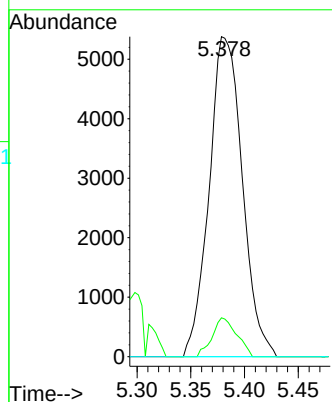
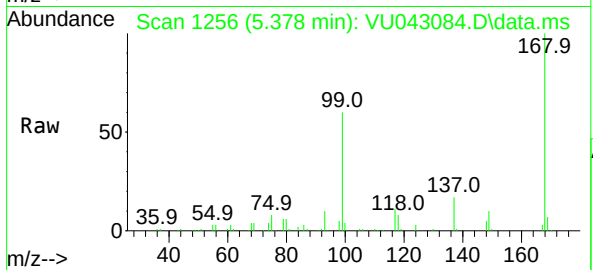


#36

1,1-Dichloropropene  
 Concen: 4.74 ug/l  
 RT: 5.378 min Scan# 1256  
 Delta R.T. -0.155 min  
 Lab File: VU043084.D  
 Acq: 14 Apr 2021 10:54

Instrument :  
 MSVOA\_U  
 ClientSampleId :

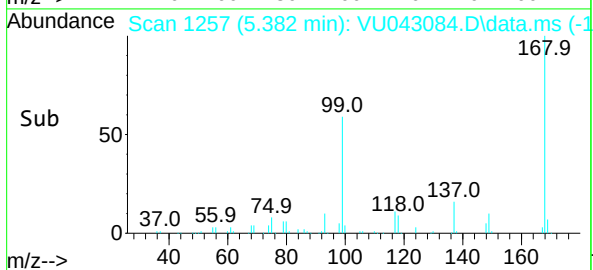
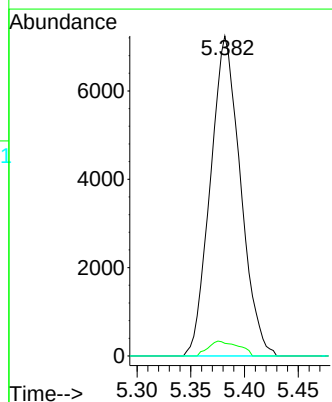
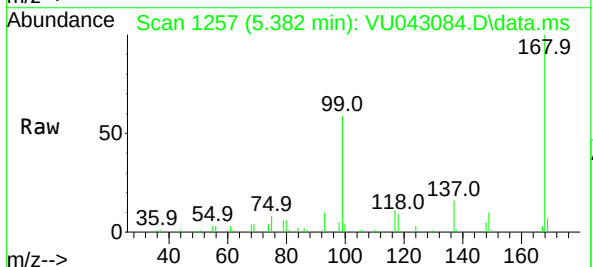
Tgt Ion: 75 Resp: 11546  
 Ion Ratio Lower Upper  
 75 100  
 110 9.0 16.8 50.3#  
 77 0.0 24.8 37.2#

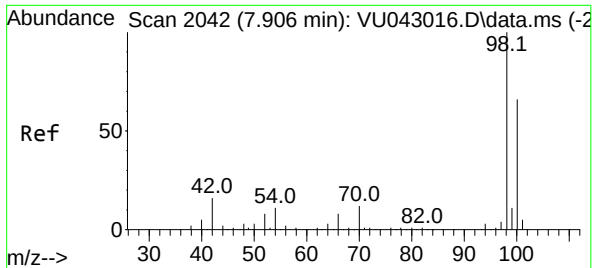


#38

Carbon Tetrachloride  
 Concen: 5.39 ug/l  
 RT: 5.382 min Scan# 1257  
 Delta R.T. -0.151 min  
 Lab File: VU043084.D  
 Acq: 14 Apr 2021 10:54

Tgt Ion: 117 Resp: 14085  
 Ion Ratio Lower Upper  
 117 100  
 119 4.0 75.5 113.3#  
 121 0.0 24.7 37.1#

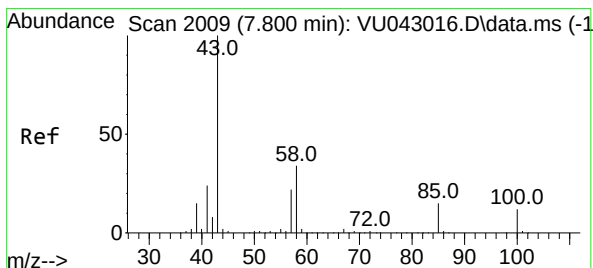
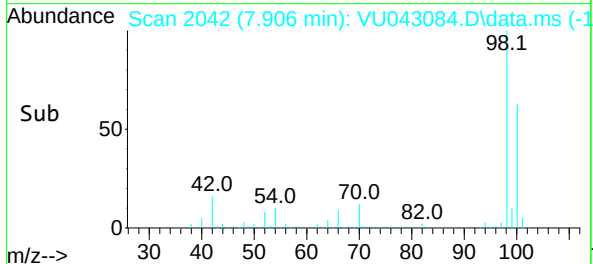
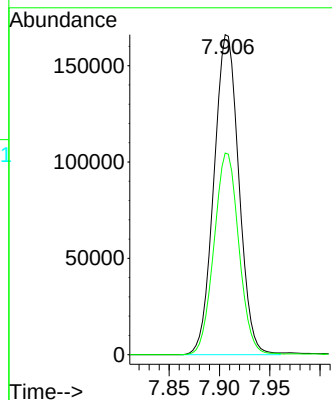
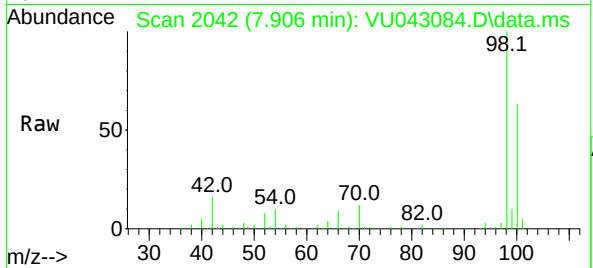




#50  
Toluene-d8  
Concen: 46.95 ug/l  
RT: 7.906 min Scan# 2042  
Delta R.T. -0.000 min  
Lab File: VU043084.D  
Acq: 14 Apr 2021 10:54

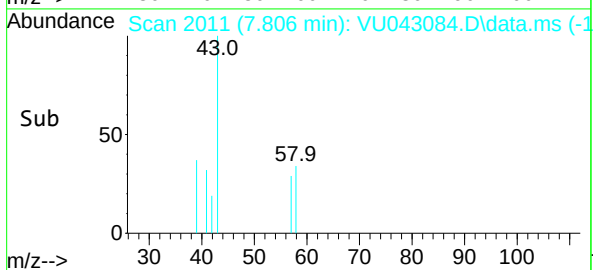
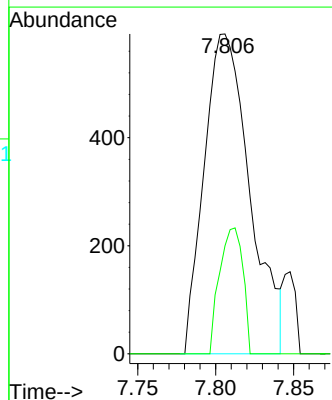
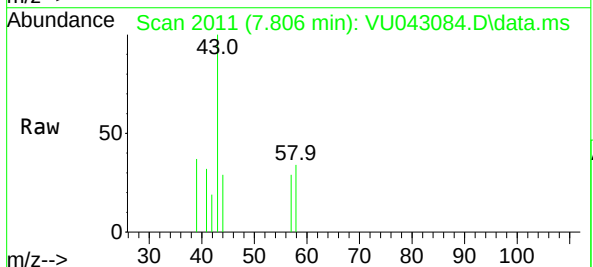
Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 98 Resp: 286733  
Ion Ratio Lower Upper  
98 100  
100 62.8 50.2 75.2

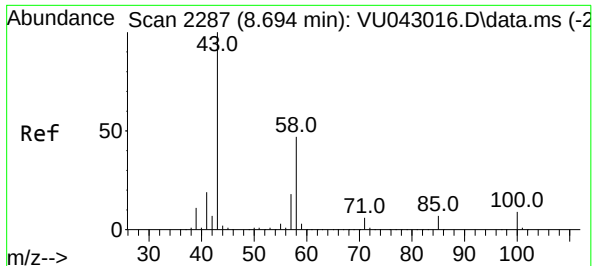


#51  
4-Methyl-2-Pentanone  
Concen: 0.27 ug/l  
RT: 7.806 min Scan# 2011  
Delta R.T. 0.006 min  
Lab File: VU043084.D  
Acq: 14 Apr 2021 10:54

Tgt Ion: 43 Resp: 1209  
Ion Ratio Lower Upper  
43 100  
58 19.9 28.1 42.1#



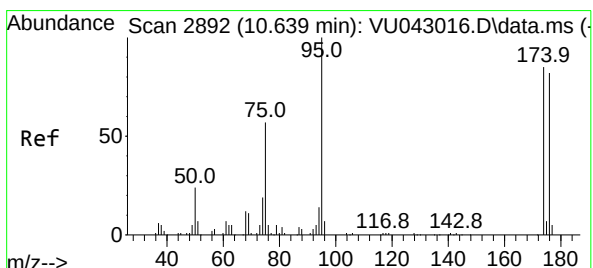
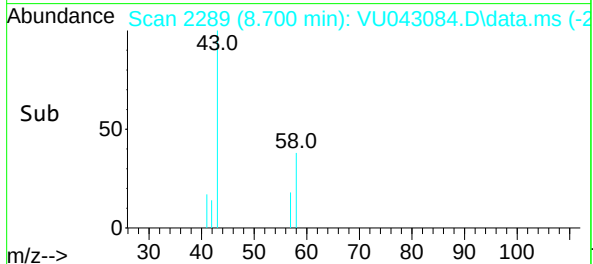
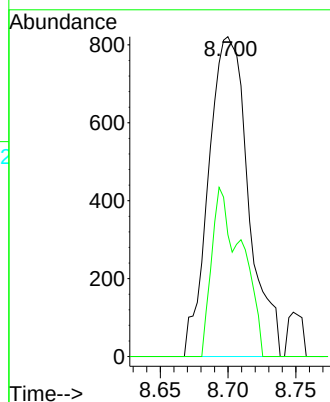
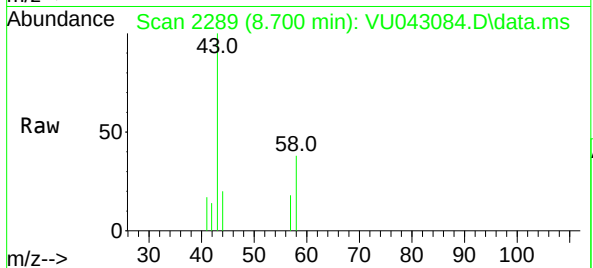




#59  
2-Hexanone  
Concen: 0.46 ug/l  
RT: 8.700 min Scan# 2289  
Delta R.T. 0.006 min  
Lab File: VU043084.D  
Acq: 14 Apr 2021 10:54

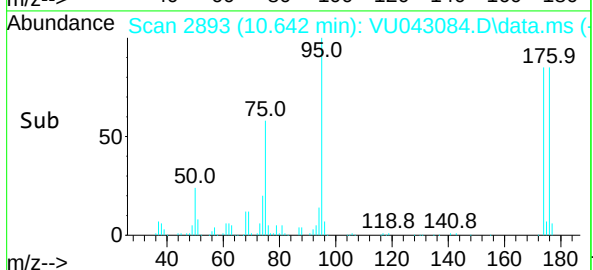
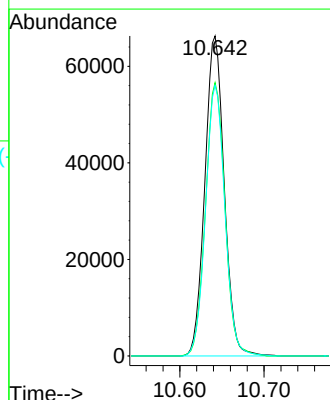
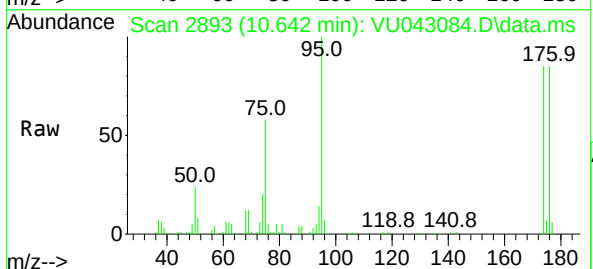
Instrument :  
MSVOA\_U  
ClientSampled :

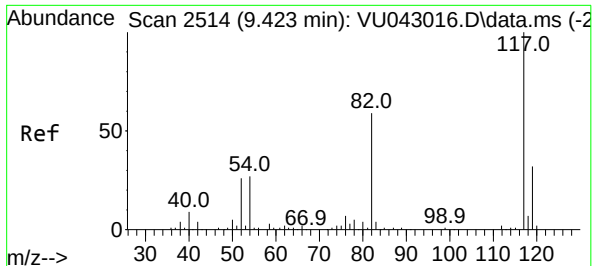
Tgt Ion: 43 Resp: 1680  
Ion Ratio Lower Upper  
43 100  
58 24.2 24.0 72.0



#62  
4-Bromofluorobenzene  
Concen: 43.41 ug/l  
RT: 10.642 min Scan# 2893  
Delta R.T. 0.003 min  
Lab File: VU043084.D  
Acq: 14 Apr 2021 10:54

Tgt Ion: 95 Resp: 106172  
Ion Ratio Lower Upper  
95 100  
174 85.6 0.0 172.2  
176 84.3 0.0 168.8

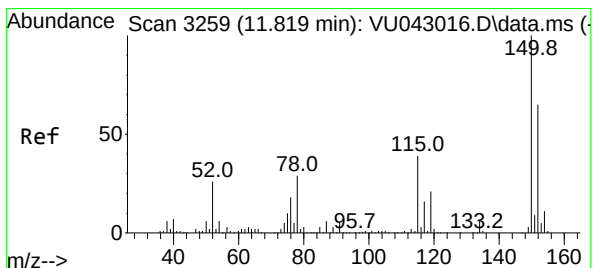
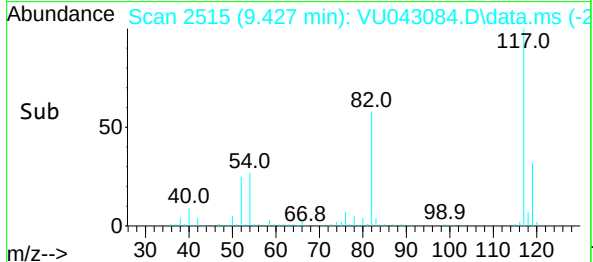
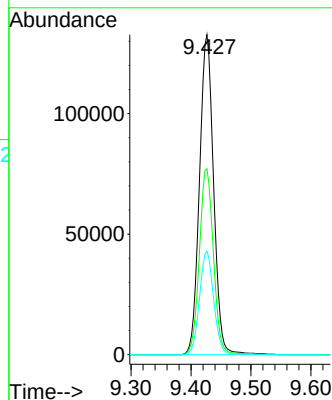
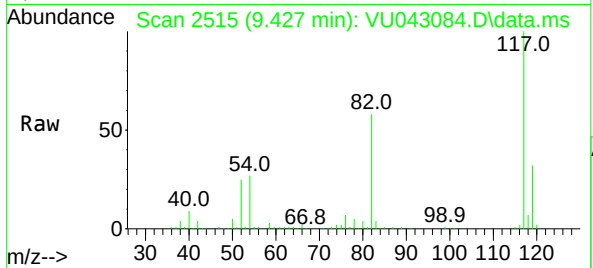




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.427 min Scan# 2515  
Delta R.T. 0.004 min  
Lab File: VU043084.D  
Acq: 14 Apr 2021 10:54

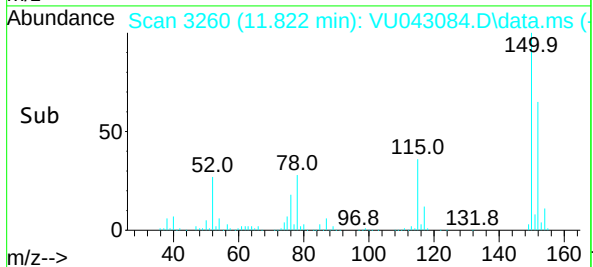
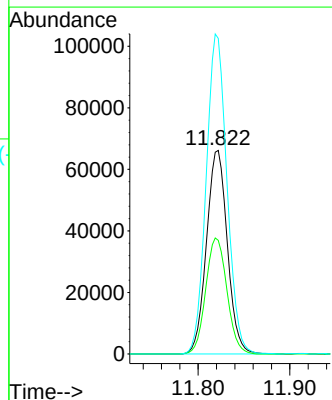
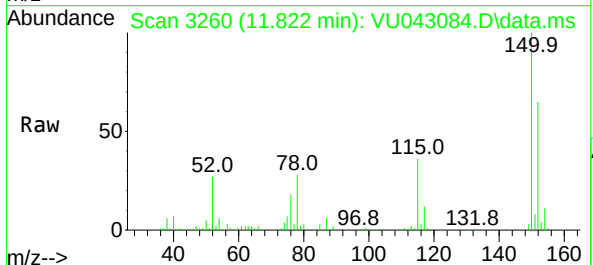
Instrument :  
MSVOA\_U  
ClientSampleId :

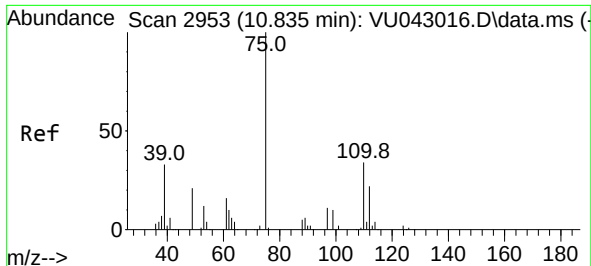
Tgt Ion:117 Resp: 218184  
Ion Ratio Lower Upper  
117 100  
82 58.1 45.8 68.6  
119 32.3 25.8 38.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 11.822 min Scan# 3260  
Delta R.T. 0.003 min  
Lab File: VU043084.D  
Acq: 14 Apr 2021 10:54

Tgt Ion:152 Resp: 104802  
Ion Ratio Lower Upper  
152 100  
115 57.8 41.5 124.6  
150 156.3 0.0 342.4

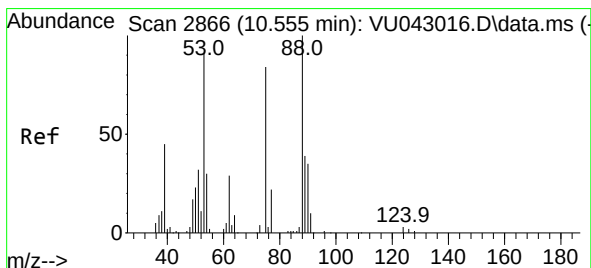
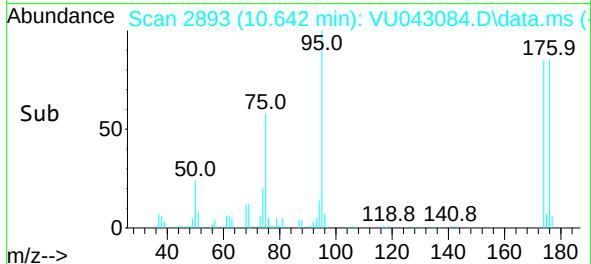
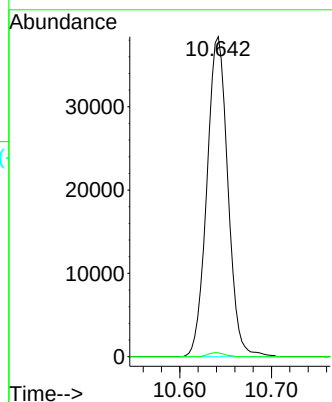
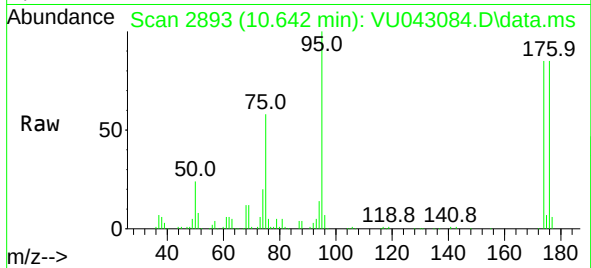




#76  
1,2,3-Trichloropropane  
Concen: 19.97 ug/l  
RT: 10.642 min Scan# 2893  
Delta R.T. -0.193 min  
Lab File: VU043084.D  
Acq: 14 Apr 2021 10:54

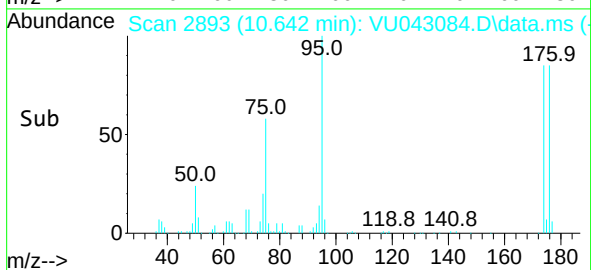
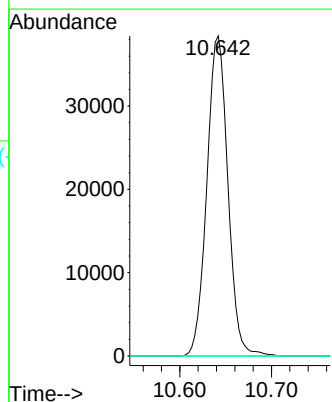
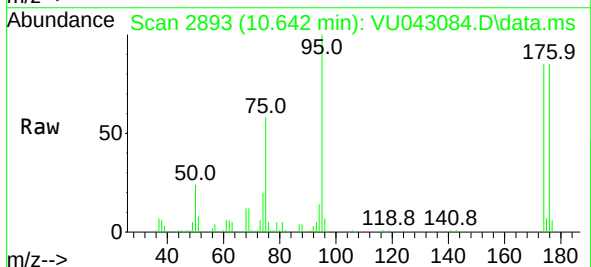
Instrument :  
MSVOA\_U  
ClientSampleId :

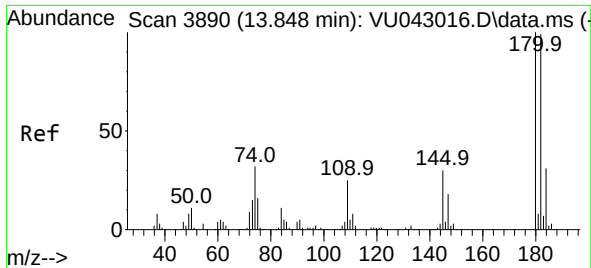
Tgt Ion: 75 Resp: 61171  
Ion Ratio Lower Upper  
75 100  
77 1.0 20.2 60.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 58.69 ug/l  
RT: 10.642 min Scan# 2893  
Delta R.T. 0.087 min  
Lab File: VU043084.D  
Acq: 14 Apr 2021 10:54

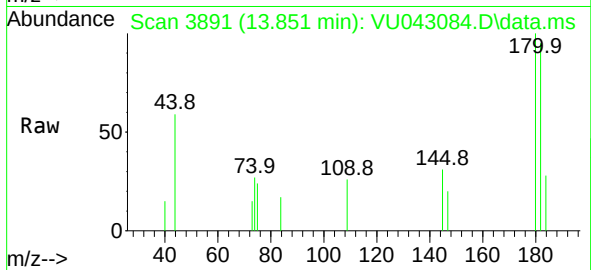
Tgt Ion: 75 Resp: 61171  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.6 128.4#  
89 0.0 35.7 53.5#



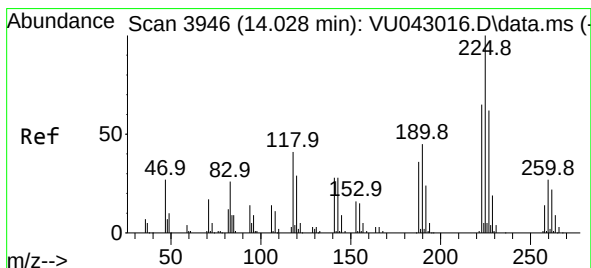
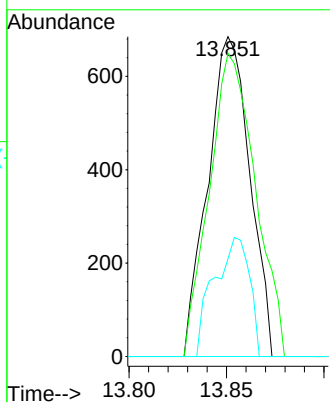
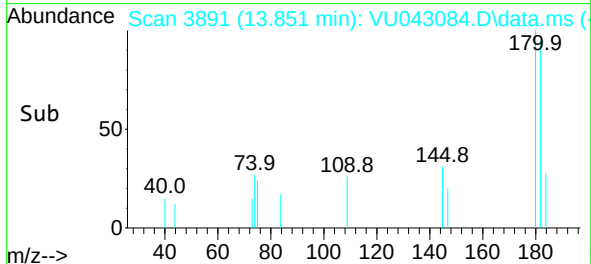


#93  
1,2,4-Trichlorobenzene  
Concen: 1.92 ug/l  
RT: 13.851 min Scan# 3891  
Delta R.T. 0.003 min  
Lab File: VU043084.D  
Acq: 14 Apr 2021 10:54

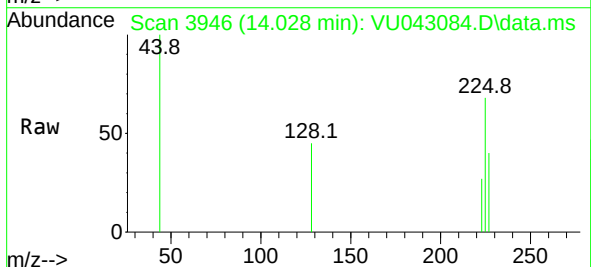
Instrument :  
MSVOA\_U  
ClientSampleId :



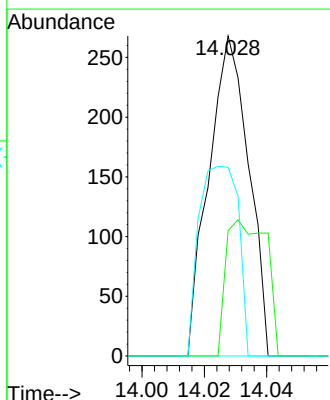
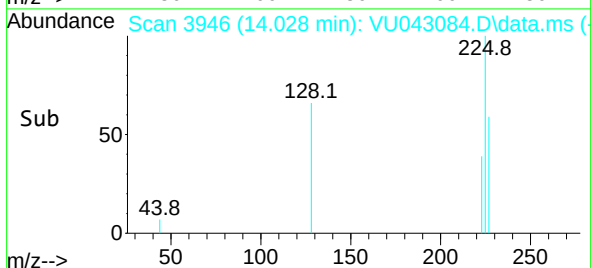
Tgt Ion:180 Resp: 1024  
Ion Ratio Lower Upper  
180 100  
182 104.0 46.9 140.8  
145 31.4 14.4 43.4

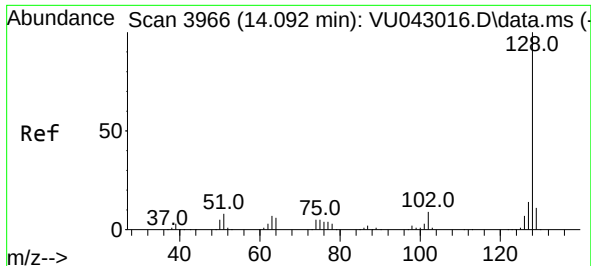


#94  
Hexachlorobutadiene  
Concen: Below Cal  
RT: 14.028 min Scan# 3946  
Delta R.T. -0.000 min  
Lab File: VU043084.D  
Acq: 14 Apr 2021 10:54



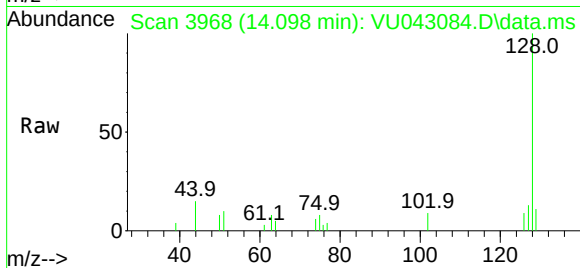
Tgt Ion:225 Resp: 237  
Ion Ratio Lower Upper  
225 100  
223 43.0 32.3 96.9  
227 58.6 31.8 95.4



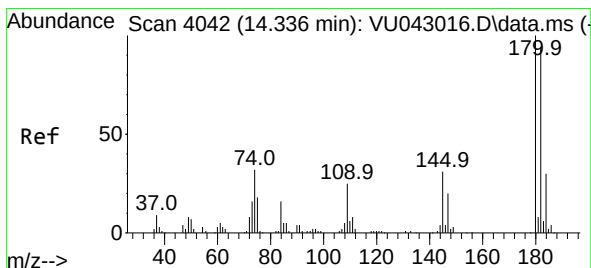
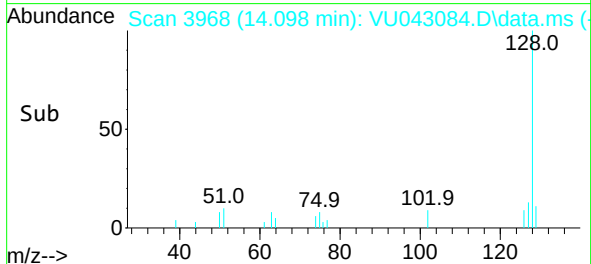
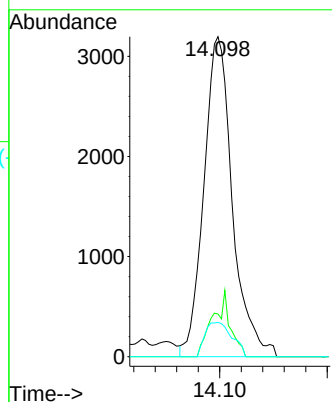


#95  
Naphthalene  
Concen: 3.47 ug/l  
RT: 14.098 min Scan# 3968  
Delta R.T. 0.006 min  
Lab File: VU043084.D  
Acq: 14 Apr 2021 10:54

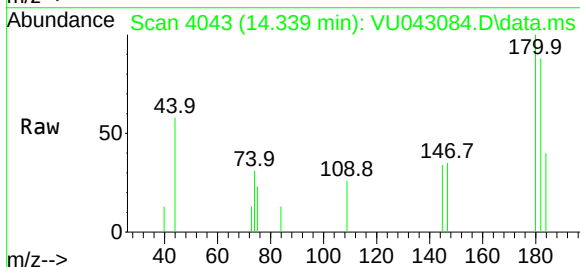
Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion:128 Resp: 5881  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.8 16.2  
129 10.1 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 2.05 ug/l  
RT: 14.339 min Scan# 4043  
Delta R.T. 0.003 min  
Lab File: VU043084.D  
Acq: 14 Apr 2021 10:54



Tgt Ion:180 Resp: 1416  
Ion Ratio Lower Upper  
180 100  
182 90.4 48.0 144.0  
145 33.5 15.5 46.5

