

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042821\  
 Data File : VU043387.D  
 Acq On : 28 Apr 2021 15:40  
 Operator : SY/MD  
 Sample : M2133-08  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 29 08:39:17 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

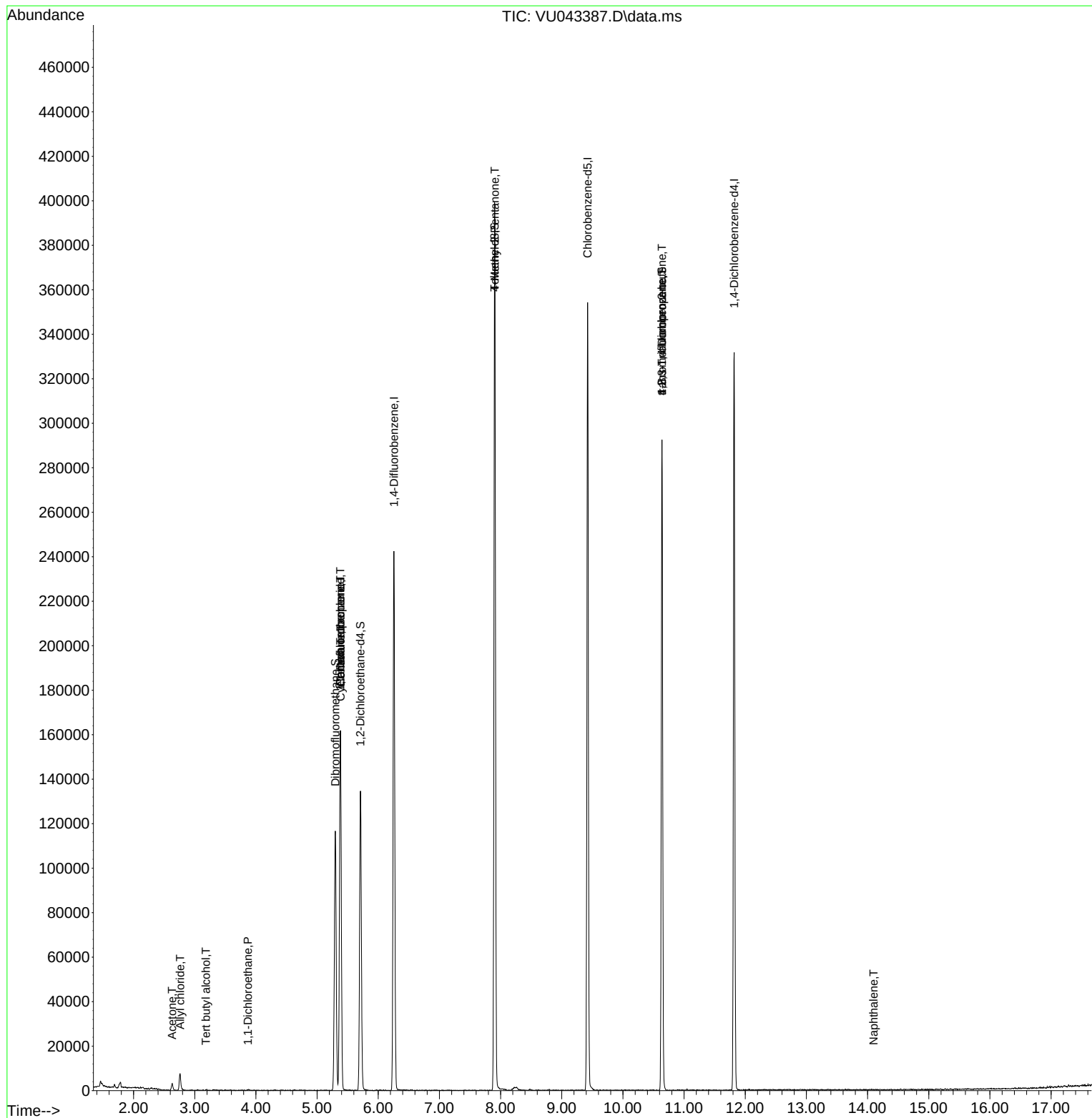
| Compound                      | R.T.   | QIon | Response | Conc      | Units   | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|---------|----------|
| -----                         |        |      |          |           |         |          |
| Internal Standards            |        |      |          |           |         |          |
| 1) Pentafluorobenzene         | 5.382  | 168  | 107965   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.256  | 114  | 180102   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 9.423  | 117  | 176684   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.819 | 152  | 81582    | 50.00     | ug/l    | 0.00     |
|                               |        |      |          |           |         |          |
| System Monitoring Compounds   |        |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4     | 5.710  | 65   | 102254   | 56.34     | ug/l    | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =         | 112.68% |          |
| 35) Dibromofluoromethane      | 5.298  | 113  | 71401    | 52.76     | ug/l    | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =         | 105.52% |          |
| 50) Toluene-d8                | 7.902  | 98   | 244939   | 51.15     | ug/l    | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =         | 102.30% |          |
| 62) 4-Bromofluorobenzene      | 10.639 | 95   | 86035    | 44.87     | ug/l    | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =         | 89.74%  |          |
|                               |        |      |          |           |         |          |
| Target Compounds              |        |      |          |           |         | Qvalue   |
| 3) Chloromethane              | 1.523  | 50   | 480      | Below Cal | #       | 50       |
| 11) Tert butyl alcohol        | 3.182  | 59   | 117      | 0.25      | ug/l #  | 94       |
| 14) Allyl chloride            | 2.761  | 41   | 808      | 0.33      | ug/l #  | 62       |
| 16) Acetone                   | 2.629  | 43   | 3404     | 2.89      | ug/l    | 98       |
| 24) 1,1-Dichloroethane        | 3.870  | 63   | 584      | 0.25      | ug/l #  | 84       |
| 31) Cyclohexane               | 5.385  | 56   | 2669     | 1.19      | ug/l #  | 27       |
| 36) 1,1-Dichloropropene       | 5.378  | 75   | 9478     | 4.96      | ug/l #  | 50       |
| 38) Carbon Tetrachloride      | 5.382  | 117  | 11037    | 5.39      | ug/l #  | 17       |
| 51) 4-Methyl-2-Pentanone      | 7.906  | 43   | 1407     | 0.41      | ug/l #  | 1        |
| 76) 1,2,3-Trichloropropane    | 10.639 | 75   | 48727    | 20.44     | ug/l #  | 37       |
| 81) trans-1,4-Dichloro-2-b... | 10.639 | 75   | 48727    | 60.06     | ug/l #  | 7        |
| 95) Naphthalene               | 14.098 | 128  | 99       | 2.76      | ug/l #  | 69       |
| -----                         |        |      |          |           |         |          |

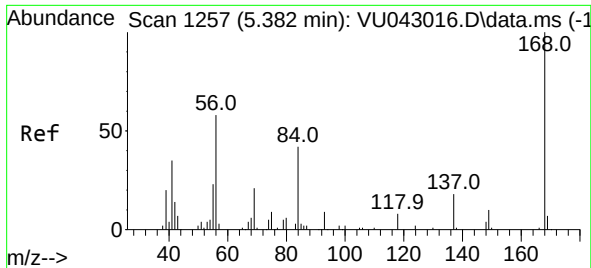
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042821\  
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ALS Vial : 37 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Apr 29 08:39:17 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

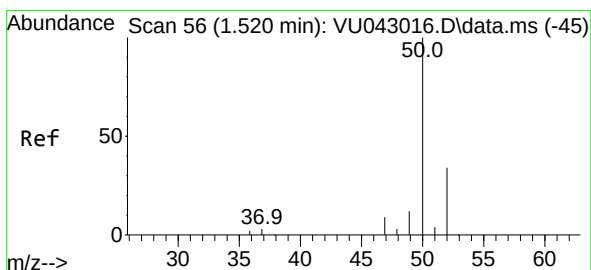
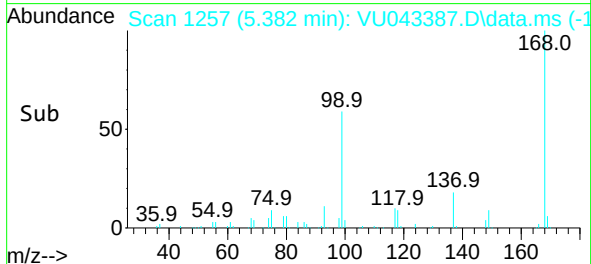
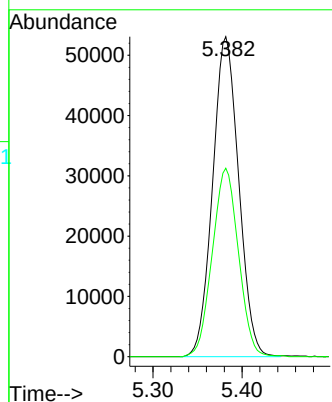
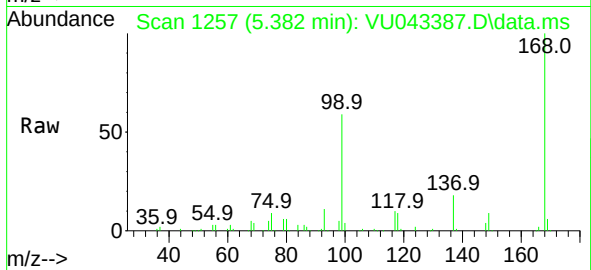




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.382 min Scan# 1257  
Delta R.T. -0.000 min  
Lab File: VU043387.D  
Acq: 28 Apr 2021 15:40

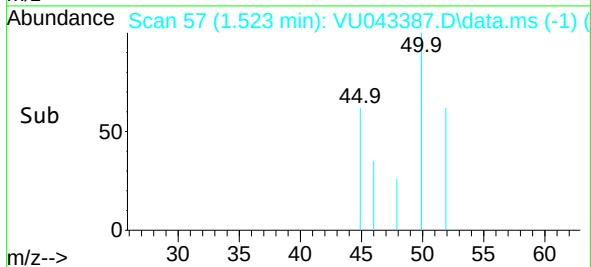
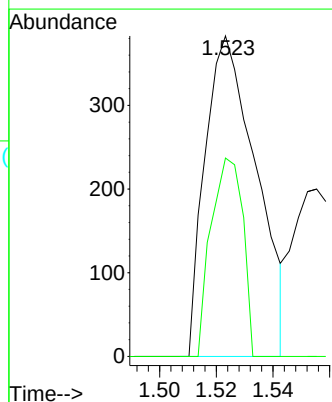
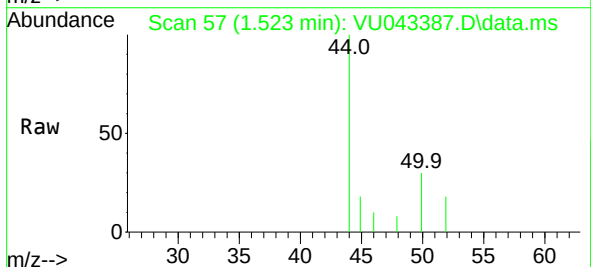
Instrument :  
MSVOA\_U  
ClientSampleId :

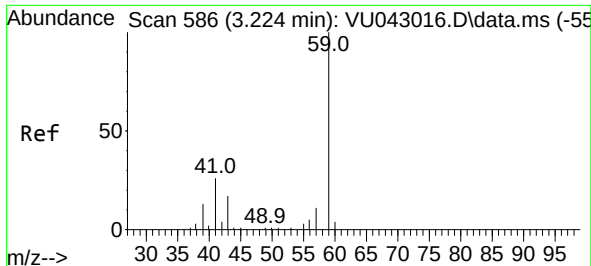
Tgt Ion:168 Resp: 107965  
Ion Ratio Lower Upper  
168 100  
99 58.9 45.0 67.4



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.523 min Scan# 57  
Delta R.T. 0.003 min  
Lab File: VU043387.D  
Acq: 28 Apr 2021 15:40

Tgt Ion: 50 Resp: 480  
Ion Ratio Lower Upper  
50 100  
52 61.9 26.6 40.0#

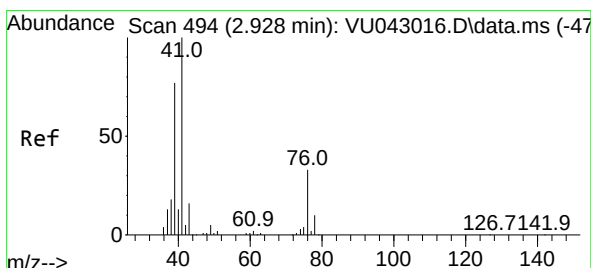
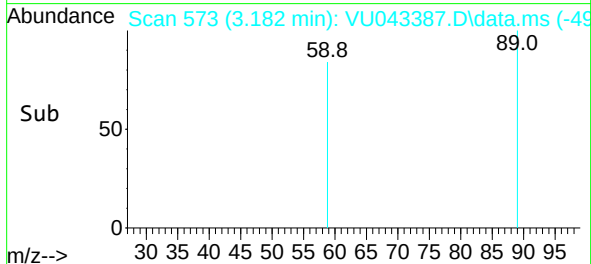
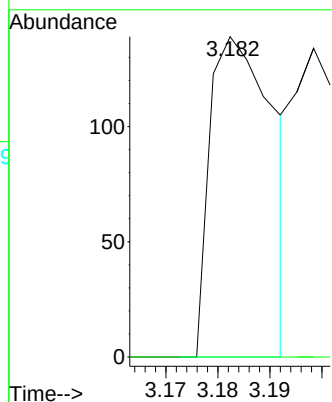
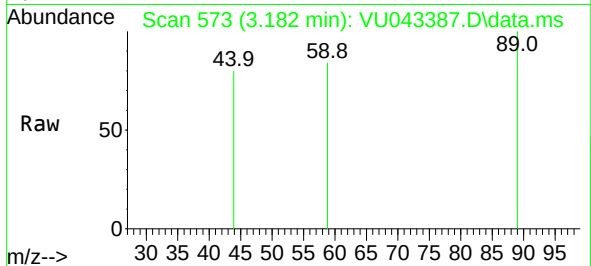




#11  
Tert butyl alcohol  
Concen: 0.25 ug/l  
RT: 3.182 min Scan# 573  
Delta R.T. -0.042 min  
Lab File: VU043387.D  
Acq: 28 Apr 2021 15:40

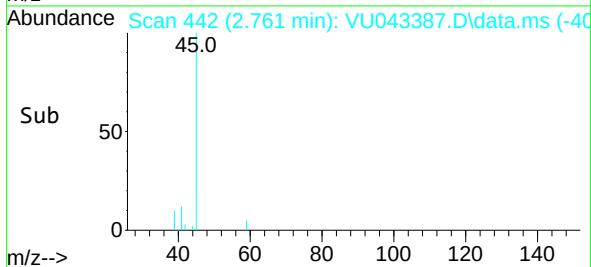
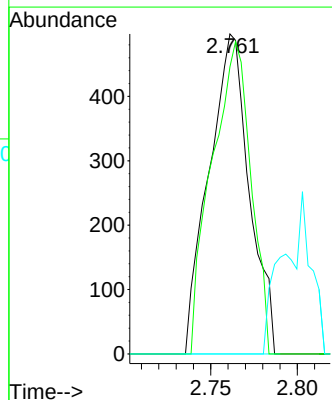
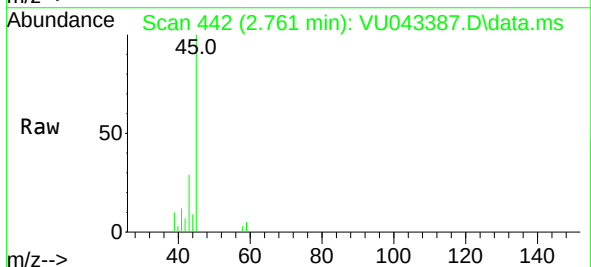
Instrument :  
MSVOA\_U  
ClientSampled :

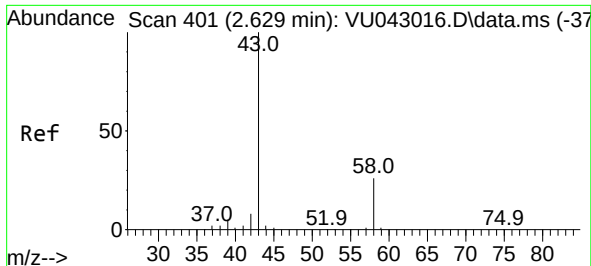
Tgt Ion: 59 Resp: 117  
Ion Ratio Lower Upper  
59 100  
57 0.0 1.6 2.4#



#14  
Allyl chloride  
Concen: 0.33 ug/l  
RT: 2.761 min Scan# 442  
Delta R.T. -0.167 min  
Lab File: VU043387.D  
Acq: 28 Apr 2021 15:40

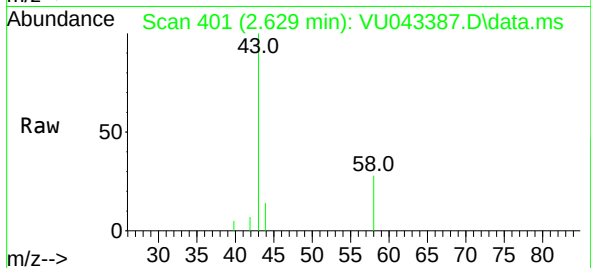
Tgt Ion: 41 Resp: 808  
Ion Ratio Lower Upper  
41 100  
39 94.4 54.9 82.3#  
76 0.0 22.5 33.7#



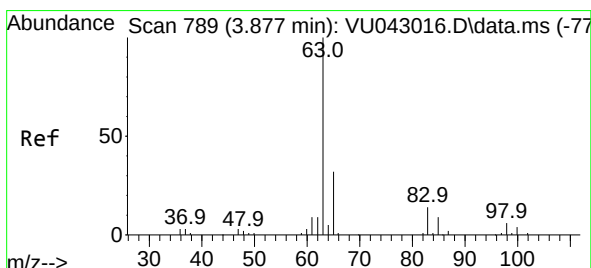
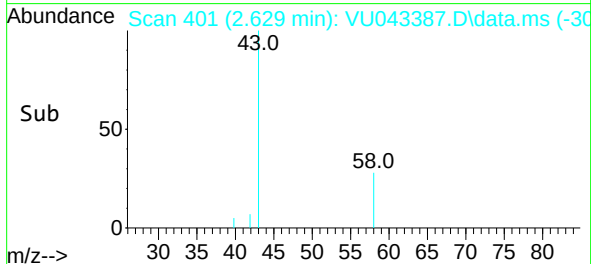
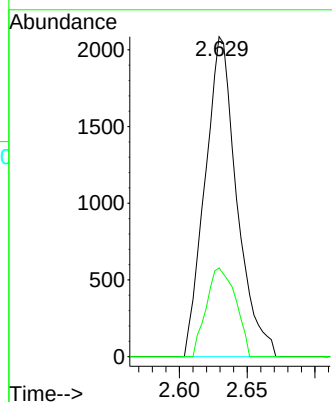


#16  
Acetone  
Concen: 2.89 ug/l  
RT: 2.629 min Scan# 401  
Delta R.T. 0.000 min  
Lab File: VU043387.D  
Acq: 28 Apr 2021 15:40

Instrument :  
MSVOA\_U  
ClientSampled :

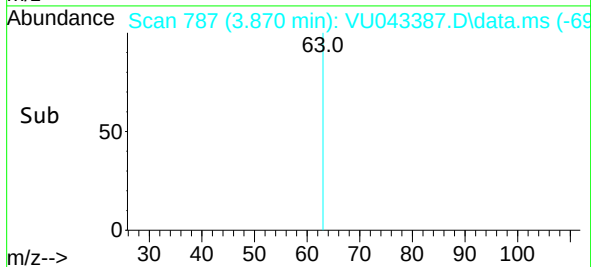
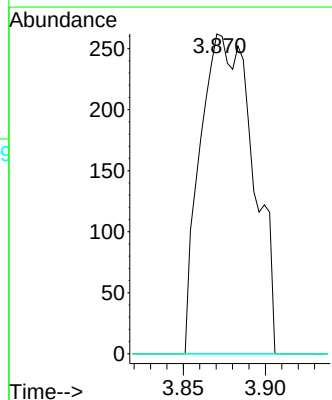
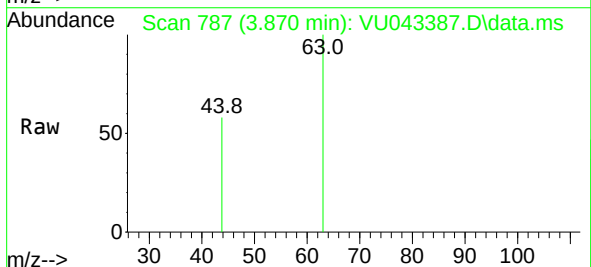


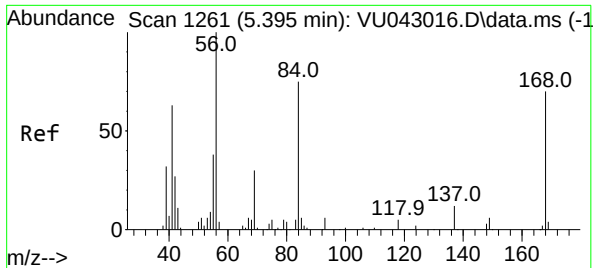
Tgt Ion: 43 Resp: 3404  
Ion Ratio Lower Upper  
43 100  
58 27.8 21.5 32.3



#24  
1,1-Dichloroethane  
Concen: 0.25 ug/l  
RT: 3.870 min Scan# 787  
Delta R.T. -0.007 min  
Lab File: VU043387.D  
Acq: 28 Apr 2021 15:40

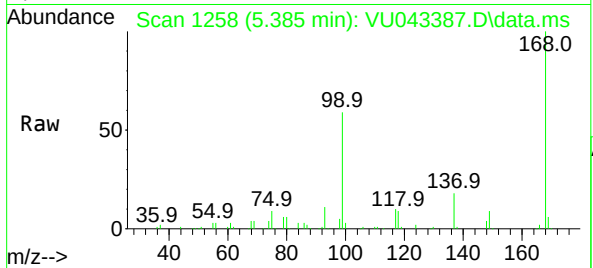
Tgt Ion: 63 Resp: 584  
Ion Ratio Lower Upper  
63 100  
98 0.0 3.1 9.3#  
100 0.0 2.1 6.2#



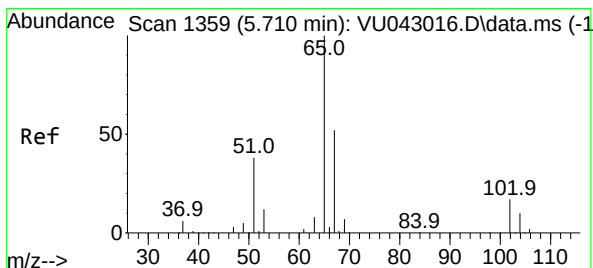
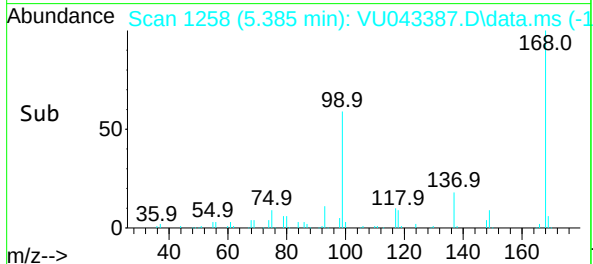
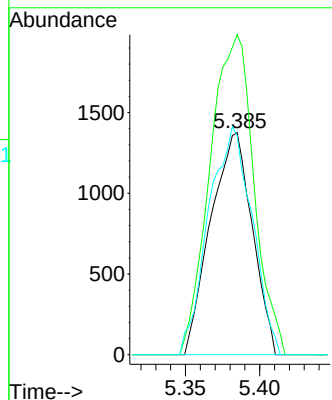


#31  
Cyclohexane  
Concen: 1.19 ug/l  
RT: 5.385 min Scan# 1258  
Delta R.T. -0.010 min  
Lab File: VU043387.D  
Acq: 28 Apr 2021 15:40

Instrument :  
MSVOA\_U  
ClientSampleId :

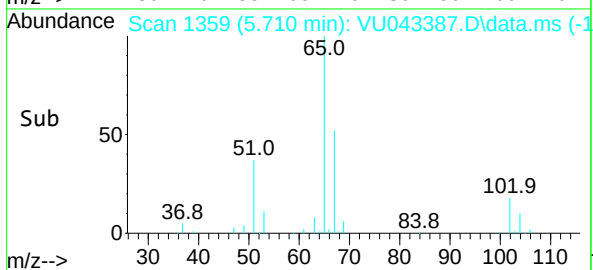
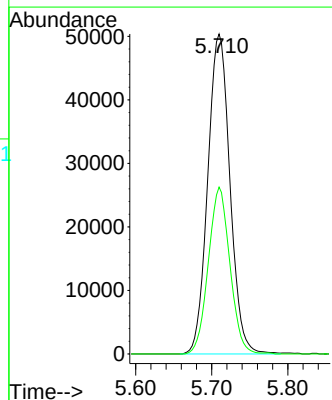
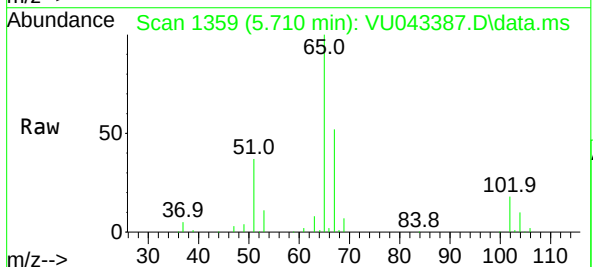


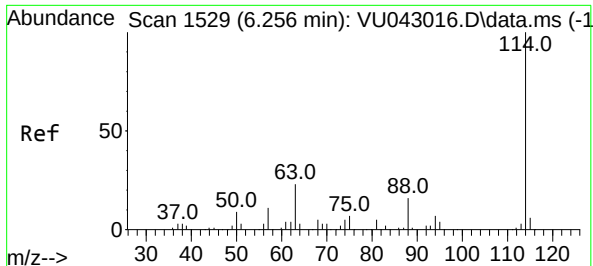
Tgt Ion: 56 Resp: 2669  
Ion Ratio Lower Upper  
56 100  
69 144.0 24.9 37.3#  
84 98.6 63.7 95.5#



#33  
1,2-Dichloroethane-d4  
Concen: 56.34 ug/l  
RT: 5.710 min Scan# 1359  
Delta R.T. -0.000 min  
Lab File: VU043387.D  
Acq: 28 Apr 2021 15:40

Tgt Ion: 65 Resp: 102254  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 99.8

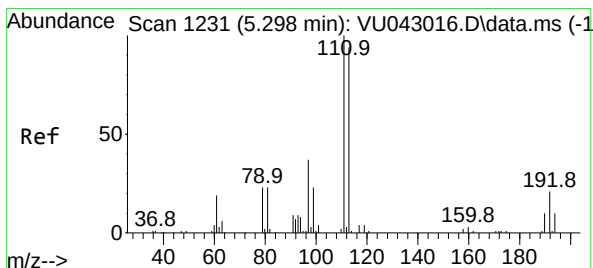
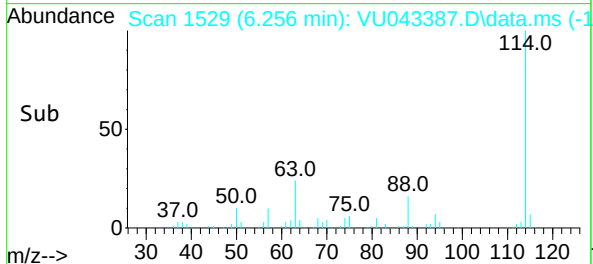
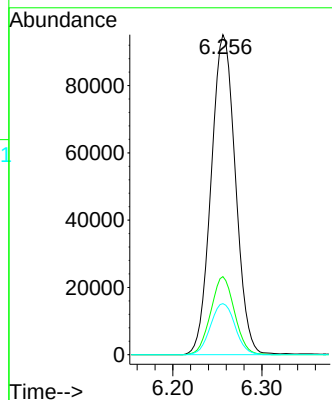
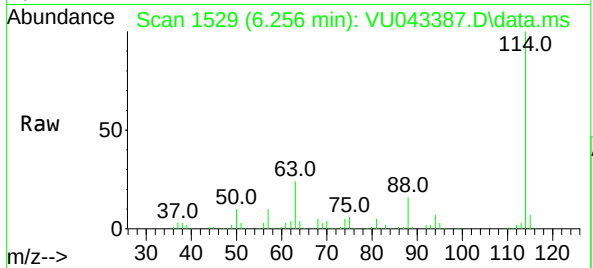




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.256 min Scan# 1529  
Delta R.T. 0.000 min  
Lab File: VU043387.D  
Acq: 28 Apr 2021 15:40

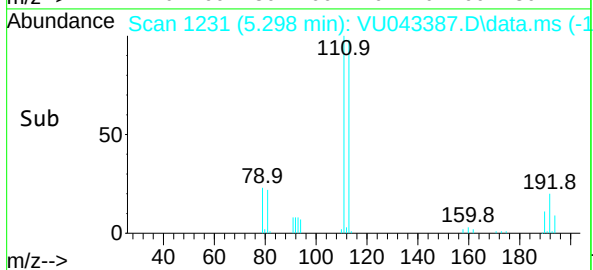
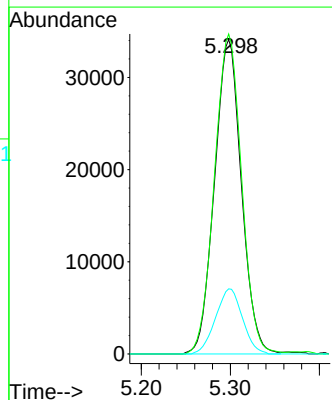
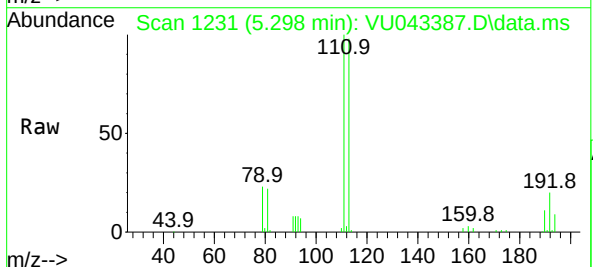
Instrument :  
MSVOA\_U  
ClientSampleId :

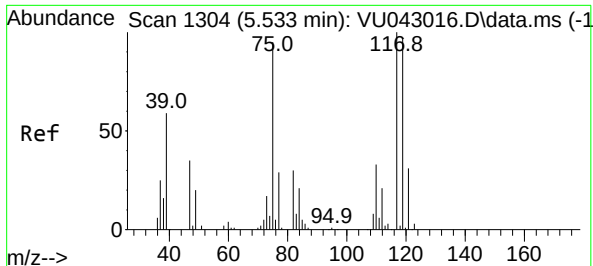
Tgt Ion:114 Resp: 180102  
Ion Ratio Lower Upper  
114 100  
63 24.4 0.0 44.2  
88 16.0 0.0 33.4



#35  
Dibromofluoromethane  
Concen: 52.76 ug/l  
RT: 5.298 min Scan# 1231  
Delta R.T. 0.000 min  
Lab File: VU043387.D  
Acq: 28 Apr 2021 15:40

Tgt Ion:113 Resp: 71401  
Ion Ratio Lower Upper  
113 100  
111 102.8 81.8 122.8  
192 20.8 17.2 25.8



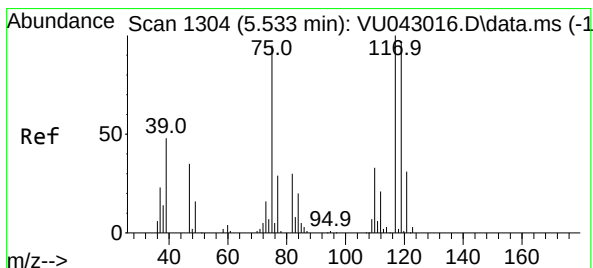
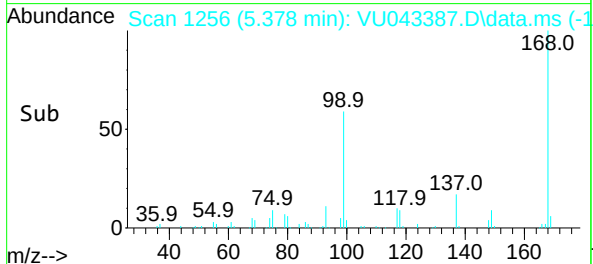
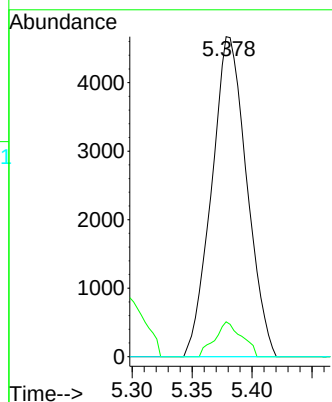
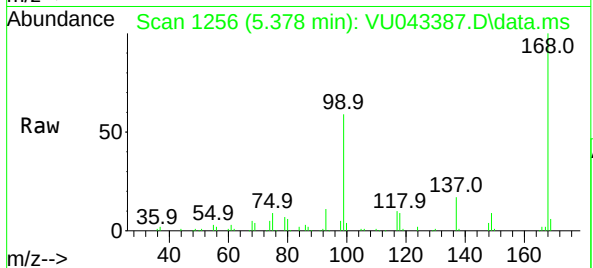


#36

1,1-Dichloropropene  
Concen: 4.96 ug/l  
RT: 5.378 min Scan# 1256  
Delta R.T. -0.155 min  
Lab File: VU043387.D  
Acq: 28 Apr 2021 15:40

Instrument :  
MSVOA\_U  
ClientSampleId :

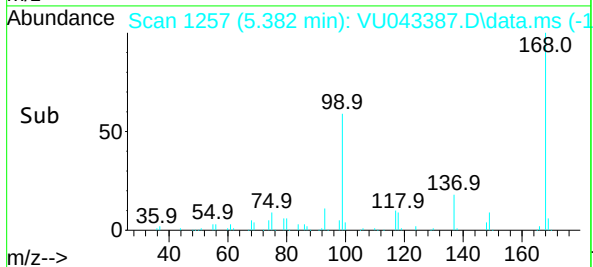
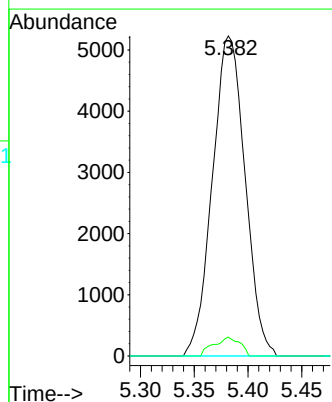
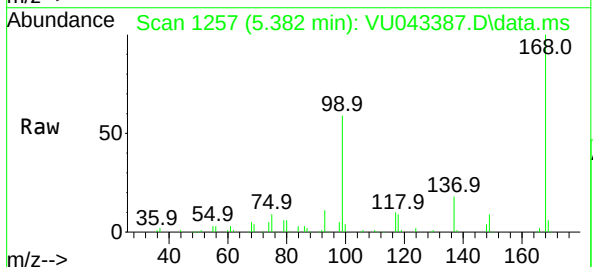
Tgt Ion: 75 Resp: 9478  
Ion Ratio Lower Upper  
75 100  
110 8.4 16.8 50.3#  
77 0.0 24.8 37.2#



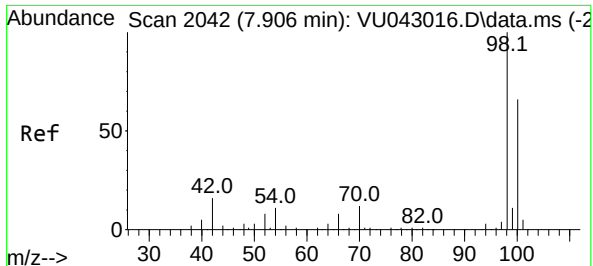
#38

Carbon Tetrachloride  
Concen: 5.39 ug/l  
RT: 5.382 min Scan# 1257  
Delta R.T. -0.151 min  
Lab File: VU043387.D  
Acq: 28 Apr 2021 15:40

Tgt Ion: 117 Resp: 11037  
Ion Ratio Lower Upper  
117 100  
119 5.9 75.5 113.3#  
121 0.0 24.7 37.1#







#50

Toluene-d8

Concen: 51.15 ug/l

RT: 7.902 min Scan# 2041

Delta R.T. -0.004 min

Lab File: VU043387.D

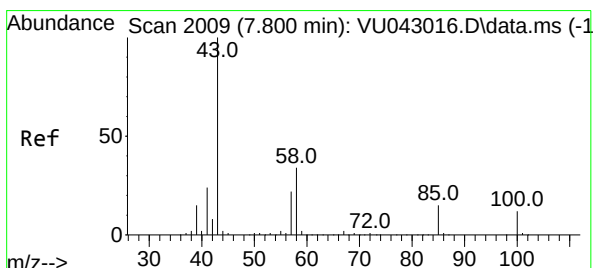
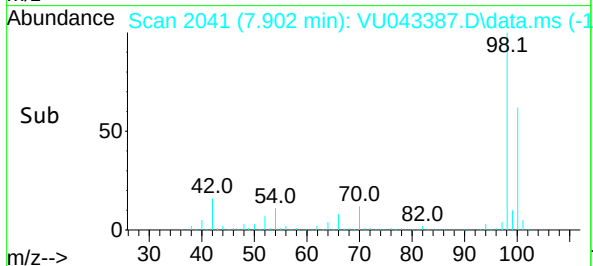
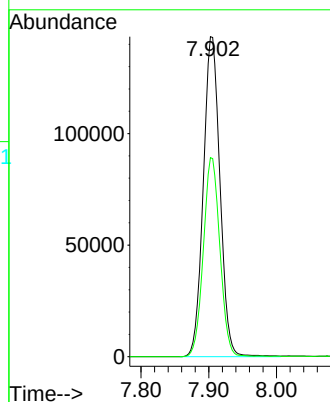
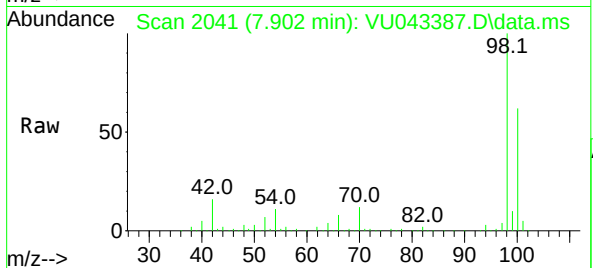
Acq: 28 Apr 2021 15:40

Tgt Ion: 98 Resp: 244939

Ion Ratio Lower Upper

98 100

100 61.6 50.2 75.2



#51

4-Methyl-2-Pentanone

Concen: 0.41 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. 0.106 min

Lab File: VU043387.D

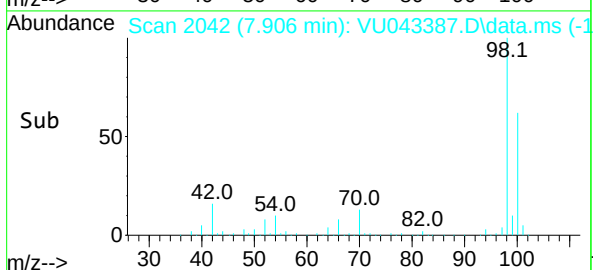
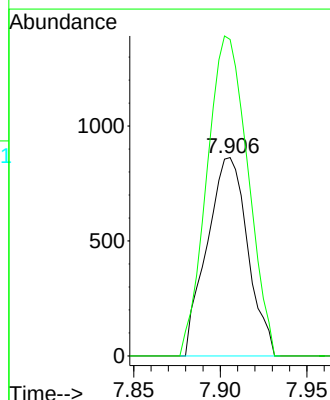
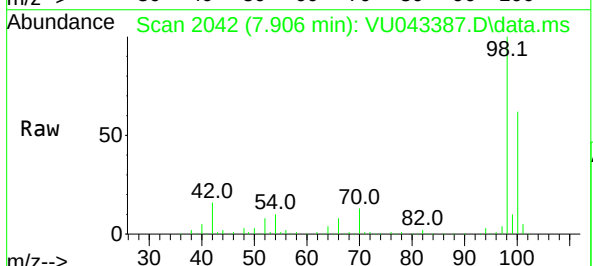
Acq: 28 Apr 2021 15:40

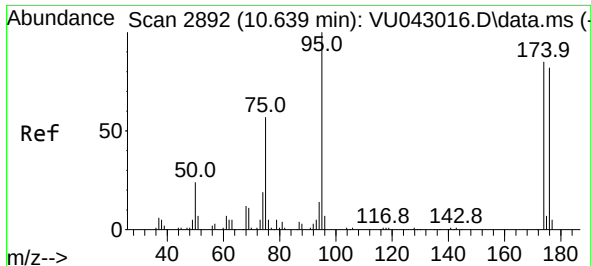
Tgt Ion: 43 Resp: 1407

Ion Ratio Lower Upper

43 100

58 162.5 28.1 42.1#

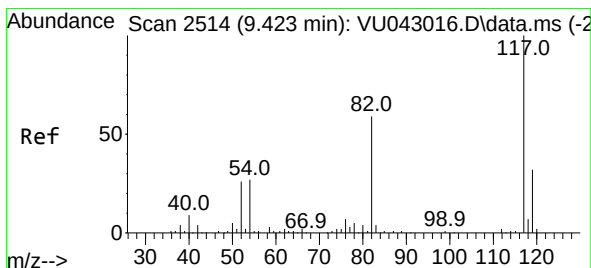
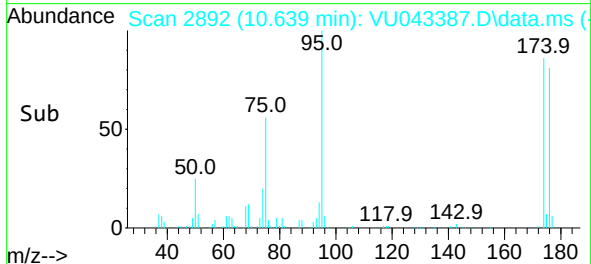
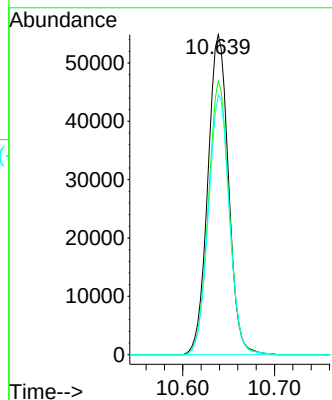
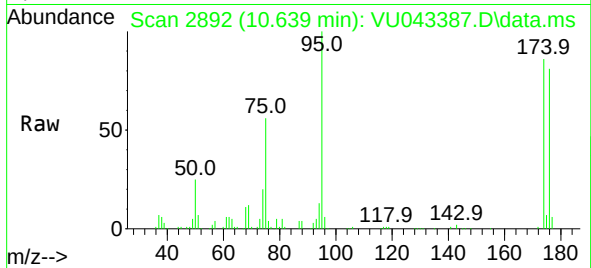




#62  
4-Bromofluorobenzene  
Concen: 44.87 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. -0.000 min  
Lab File: VU043387.D  
Acq: 28 Apr 2021 15:40

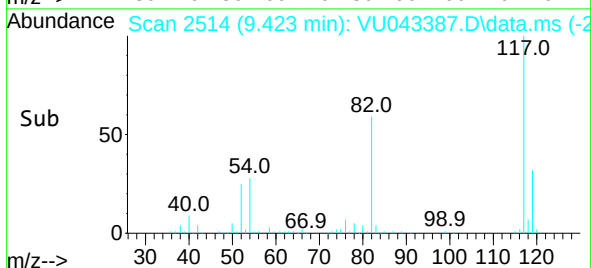
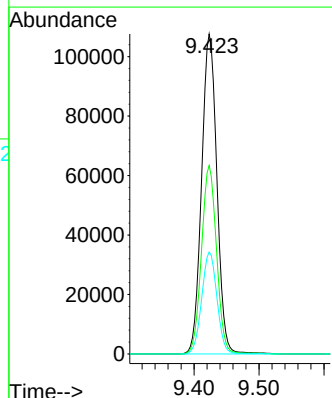
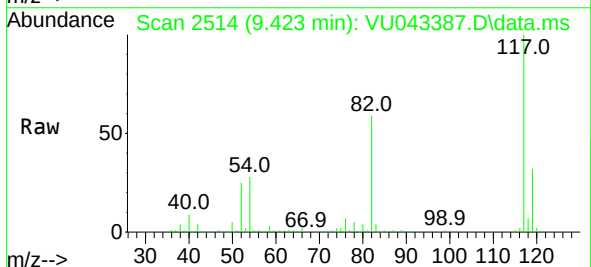
Instrument :  
MSVOA\_U  
ClientSampleId :

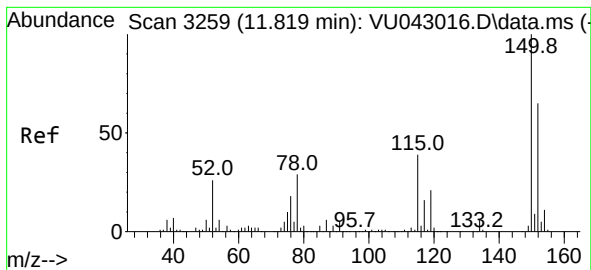
Tgt Ion: 95 Resp: 86035  
Ion Ratio Lower Upper  
95 100  
174 85.9 0.0 172.2  
176 82.2 0.0 168.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.423 min Scan# 2514  
Delta R.T. 0.000 min  
Lab File: VU043387.D  
Acq: 28 Apr 2021 15:40

Tgt Ion: 117 Resp: 176684  
Ion Ratio Lower Upper  
117 100  
82 58.9 45.8 68.6  
119 31.9 25.8 38.8

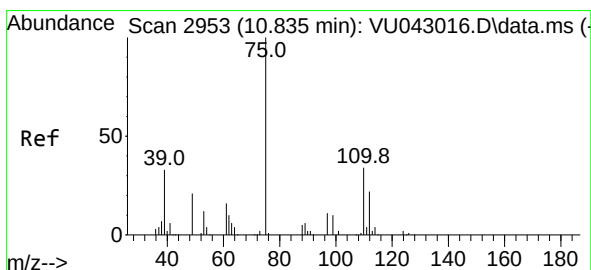
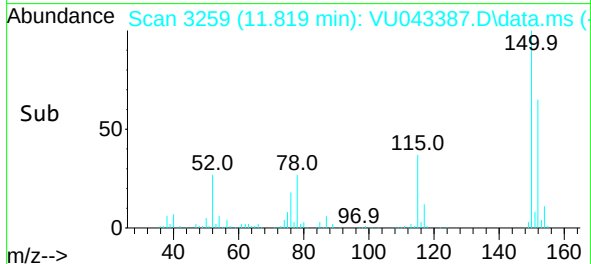
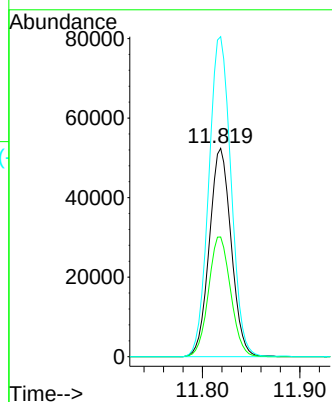
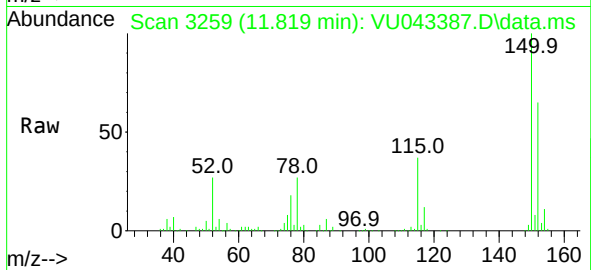




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 11.819 min Scan# 3259  
 Delta R.T. -0.000 min  
 Lab File: VU043387.D  
 Acq: 28 Apr 2021 15:40

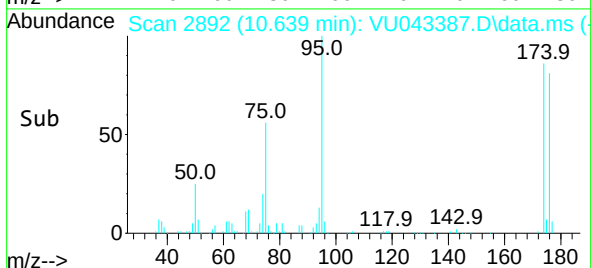
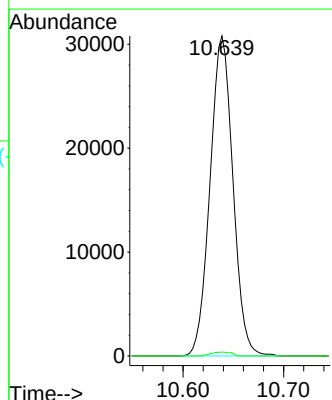
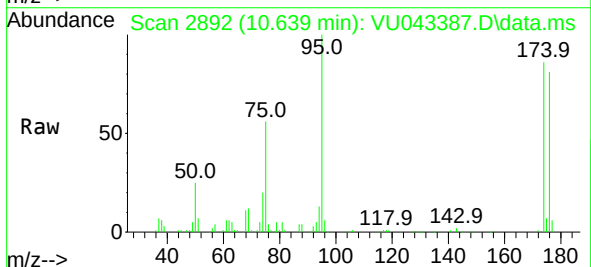
Instrument :  
 MSVOA\_U  
 ClientSampleId :

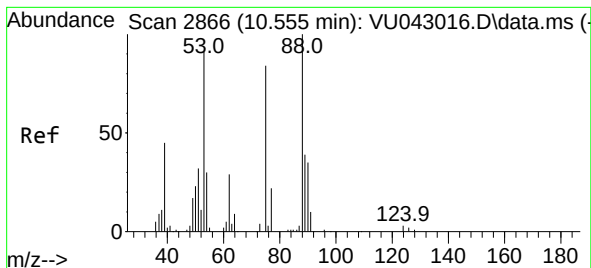
Tgt Ion:152 Resp: 81582  
 Ion Ratio Lower Upper  
 152 100  
 115 58.3 41.5 124.6  
 150 156.4 0.0 342.4



#76  
 1,2,3-Trichloropropane  
 Concen: 20.44 ug/l  
 RT: 10.639 min Scan# 2892  
 Delta R.T. -0.196 min  
 Lab File: VU043387.D  
 Acq: 28 Apr 2021 15:40

Tgt Ion: 75 Resp: 48727  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 20.2 60.5#

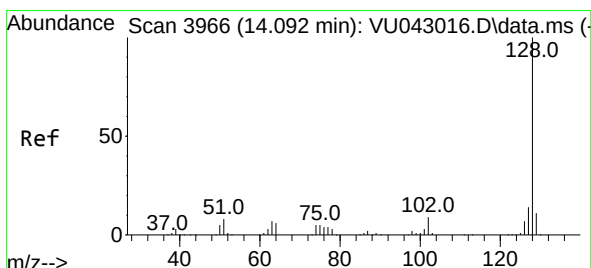
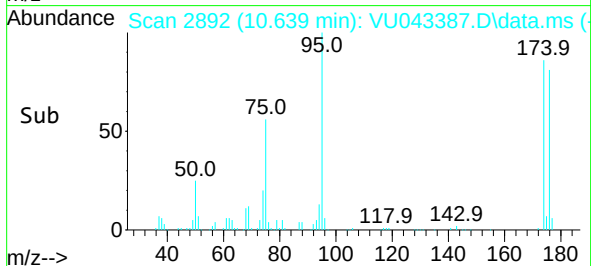
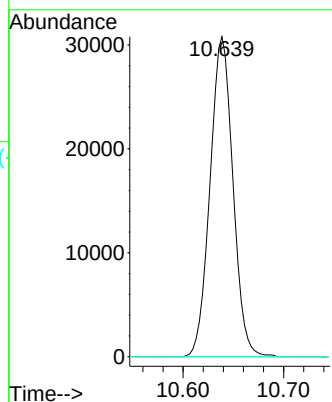
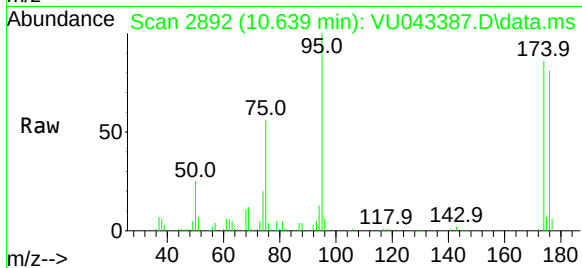




#81  
trans-1,4-Dichloro-2-butene  
Concen: 60.06 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. 0.084 min  
Lab File: VU043387.D  
Acq: 28 Apr 2021 15:40

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 75 Resp: 48727  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.6 128.4#  
89 0.0 35.7 53.5#



#95  
Naphthalene  
Concen: 2.76 ug/l  
RT: 14.098 min Scan# 3968  
Delta R.T. 0.006 min  
Lab File: VU043387.D  
Acq: 28 Apr 2021 15:40

Tgt Ion:128 Resp: 99  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.8 16.2#  
129 0.0 8.6 13.0#

