

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040221\  
 Data File : VU042909.D  
 Acq On : 02 Apr 2021 20:35  
 Operator : SY/MD  
 Sample : M1838-05  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 2021-03-25-TB-01

Quant Time: Apr 03 00:16:59 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U032421W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 25 05:42:00 2021  
 Response via : Initial Calibration

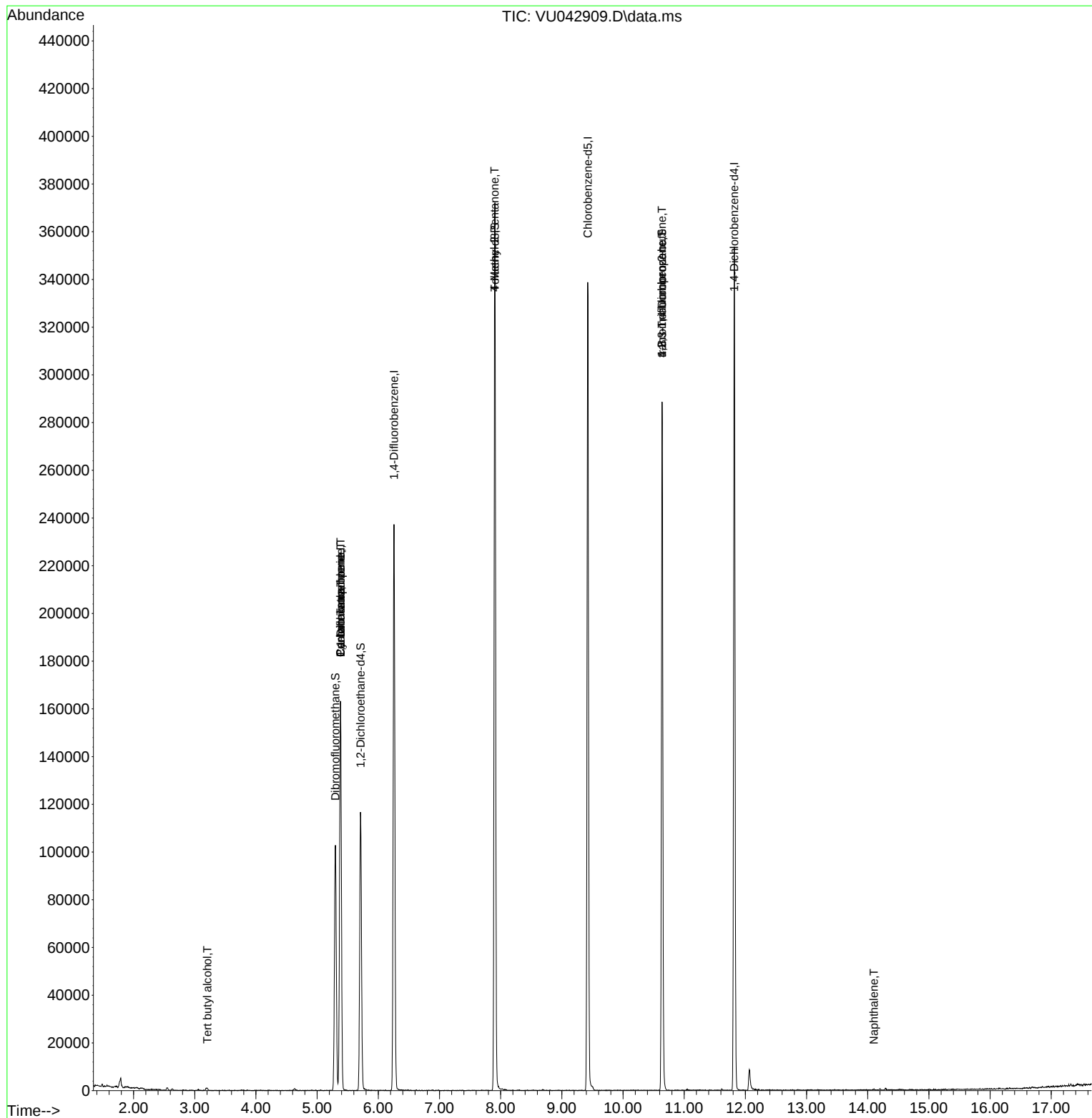
| Compound                      | R.T.   | QIon | Response | Conc      | Units   | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|---------|----------|
| -----                         |        |      |          |           |         |          |
| Internal Standards            |        |      |          |           |         |          |
| 1) Pentafluorobenzene         | 5.382  | 168  | 112764   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.256  | 114  | 179202   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 9.423  | 117  | 174607   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.819 | 152  | 87451    | 50.00     | ug/l    | 0.00     |
|                               |        |      |          |           |         |          |
| System Monitoring Compounds   |        |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4     | 5.710  | 65   | 90855    | 50.54     | ug/l    | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =         | 101.08% |          |
| 35) Dibromofluoromethane      | 5.298  | 113  | 62421    | 46.67     | ug/l    | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =         | 93.34%  |          |
| 50) Toluene-d8                | 7.906  | 98   | 227773   | 48.41     | ug/l    | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =         | 96.82%  |          |
| 62) 4-Bromofluorobenzene      | 10.639 | 95   | 83468    | 45.65     | ug/l    | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =         | 91.30%  |          |
|                               |        |      |          |           |         |          |
| Target Compounds              |        |      |          |           |         | Qvalue   |
| 5) Bromomethane               | 1.861  | 94   | 20       | Below Cal | #       | 65       |
| 6) Chloroethane               | 1.954  | 64   | 90       | Below Cal | #       | 43       |
| 11) Tert butyl alcohol        | 3.205  | 59   | 723      | 1.88      | ug/l #  | 74       |
| 16) Acetone                   | 2.636  | 43   | 657      | Below Cal |         | 96       |
| 31) Cyclohexane               | 5.382  | 56   | 2836     | 1.27      | ug/l #  | 29       |
| 36) 1,1-Dichloropropene       | 5.382  | 75   | 9052     | 5.11      | ug/l #  | 51       |
| 38) Carbon Tetrachloride      | 5.382  | 117  | 11393    | 5.63      | ug/l #  | 17       |
| 51) 4-Methyl-2-Pentanone      | 7.902  | 43   | 1247     | 0.43      | ug/l #  | 1        |
| 76) 1,2,3-Trichloropropane    | 10.639 | 75   | 48782    | 21.93     | ug/l #  | 38       |
| 81) trans-1,4-Dichloro-2-b... | 10.639 | 75   | 48782    | 64.99     | ug/l #  | 6        |
| 95) Naphthalene               | 14.102 | 128  | 434      | 2.64      | ug/l #  | 68       |
| -----                         |        |      |          |           |         |          |

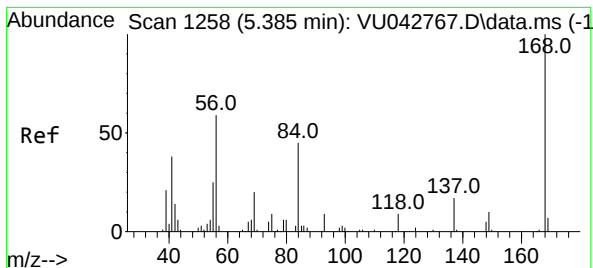
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
2021-03-25-TB-01

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Quant Title : SW846 8260  
QLast Update : Thu Mar 25 05:42:00 2021  
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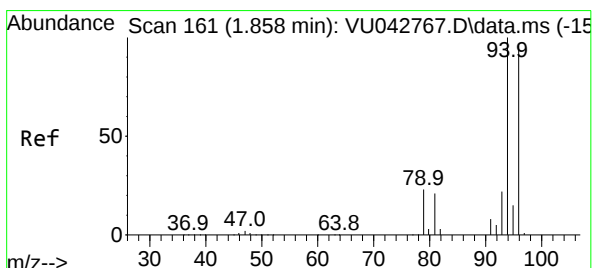
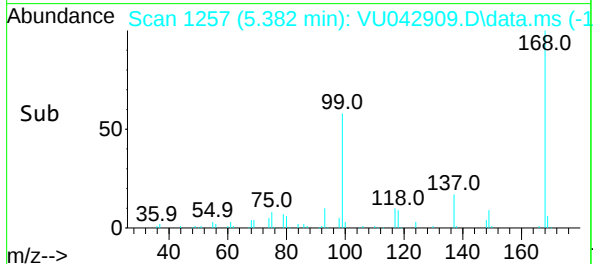
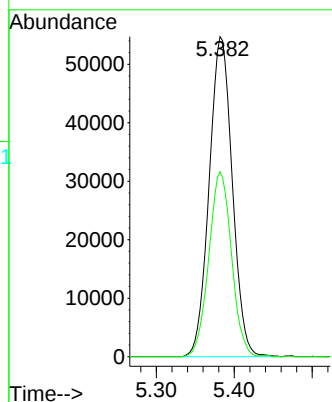
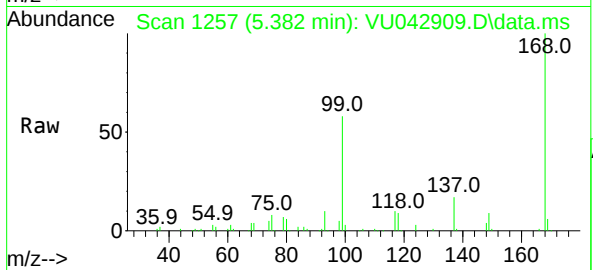




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.382 min Scan# 1257  
Delta R.T. -0.003 min  
Lab File: VU042909.D  
Acq: 02 Apr 2021 20:35

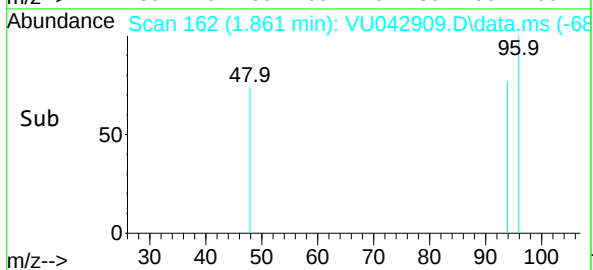
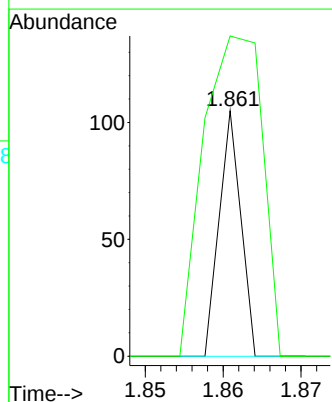
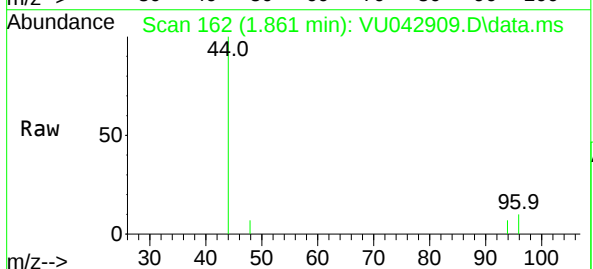
Instrument :  
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2021-03-25-TB-01

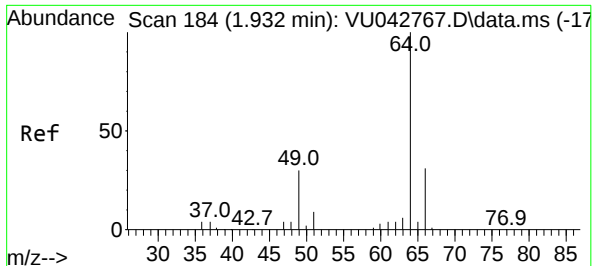
Tgt Ion:168 Resp: 112764  
Ion Ratio Lower Upper  
168 100  
99 57.8 46.4 69.6



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.861 min Scan# 162  
Delta R.T. 0.003 min  
Lab File: VU042909.D  
Acq: 02 Apr 2021 20:35

Tgt Ion: 94 Resp: 20  
Ion Ratio Lower Upper  
94 100  
96 130.5 77.1 115.7#

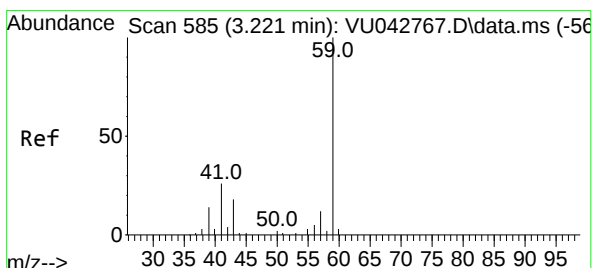
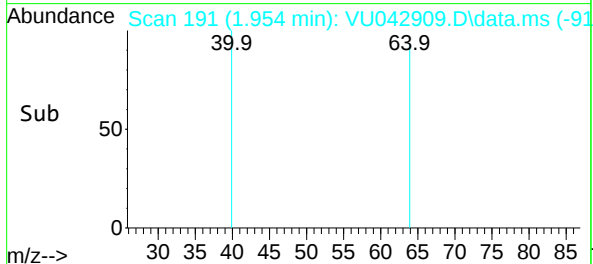
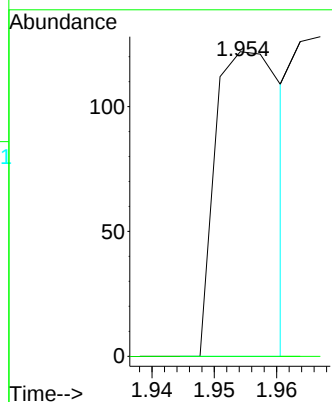
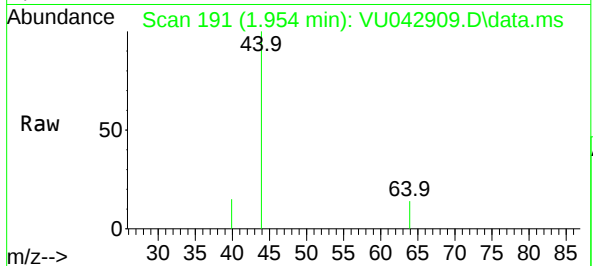




#6  
Chloroethane  
Concen: Below Cal  
RT: 1.954 min Scan# 191  
Delta R.T. 0.022 min  
Lab File: VU042909.D  
Acq: 02 Apr 2021 20:35

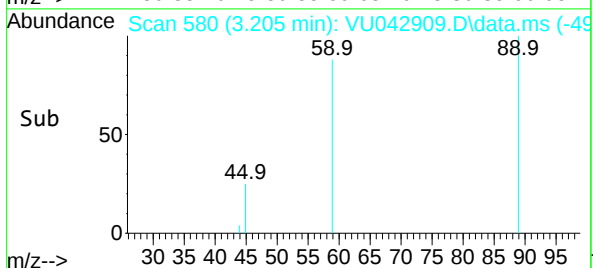
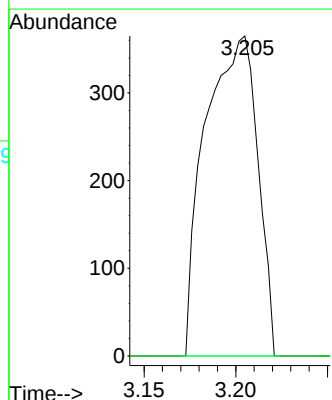
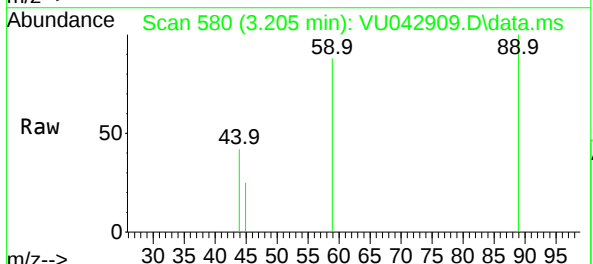
Instrument :  
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ClientSampleId :  
2021-03-25-TB-01

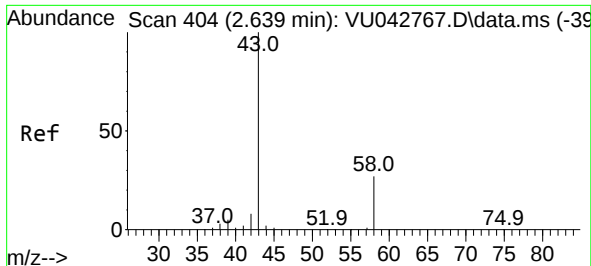
Tgt Ion: 64 Resp: 90  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.0 37.6#



#11  
Tert butyl alcohol  
Concen: 1.88 ug/l  
RT: 3.205 min Scan# 580  
Delta R.T. -0.016 min  
Lab File: VU042909.D  
Acq: 02 Apr 2021 20:35

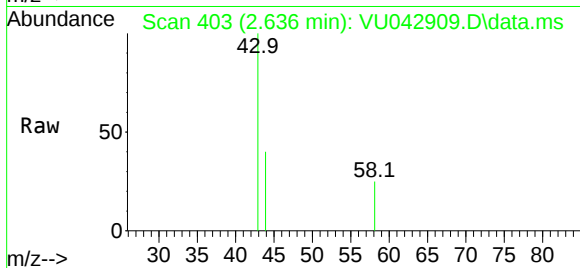
Tgt Ion: 59 Resp: 723  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#



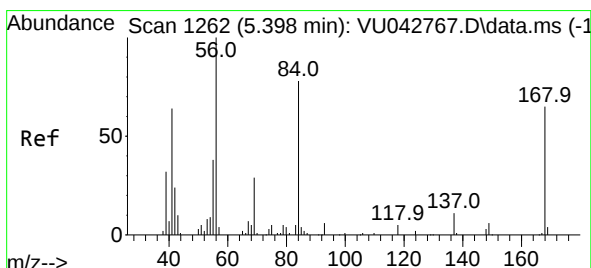
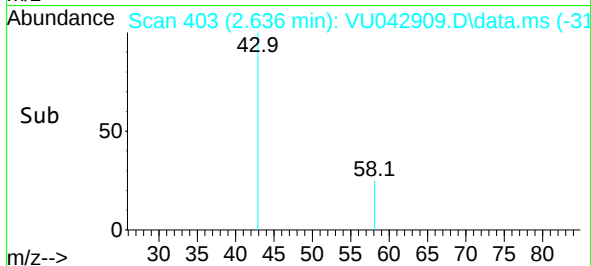
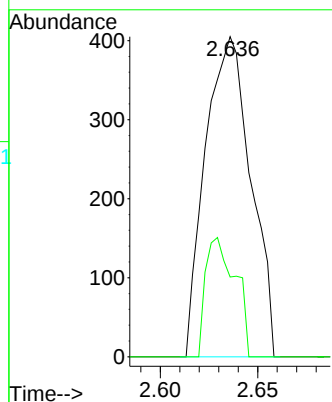


#16  
Acetone  
Concen: Below Cal  
RT: 2.636 min Scan# 403  
Delta R.T. -0.003 min  
Lab File: VU042909.D  
Acq: 02 Apr 2021 20:35

Instrument :  
MSVOA\_U  
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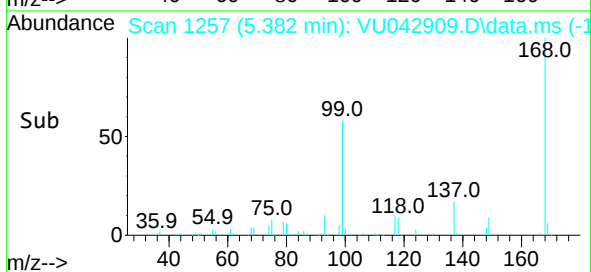
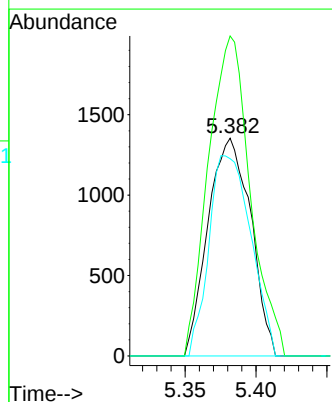
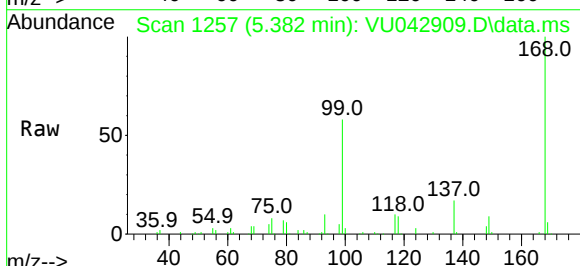


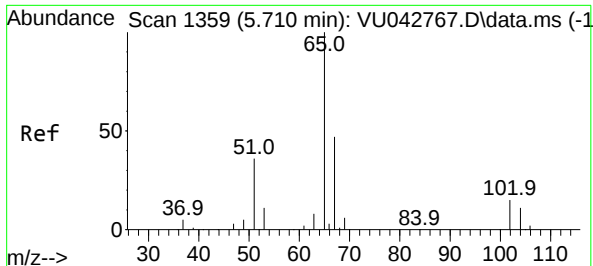
Tgt Ion: 43 Resp: 657  
Ion Ratio Lower Upper  
43 100  
58 24.9 21.6 32.4



#31  
Cyclohexane  
Concen: 1.27 ug/l  
RT: 5.382 min Scan# 1257  
Delta R.T. -0.016 min  
Lab File: VU042909.D  
Acq: 02 Apr 2021 20:35

Tgt Ion: 56 Resp: 2836  
Ion Ratio Lower Upper  
56 100  
69 147.0 23.3 34.9#  
84 90.6 62.2 93.4

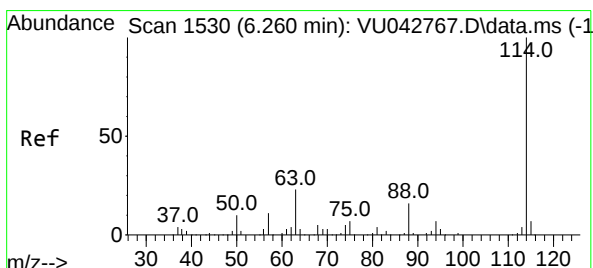
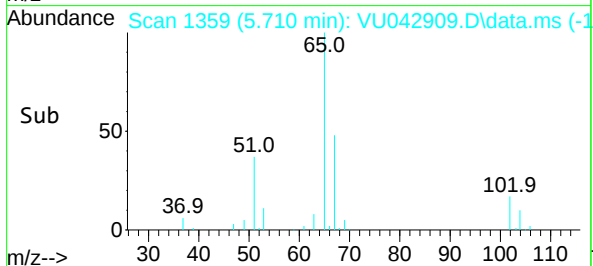
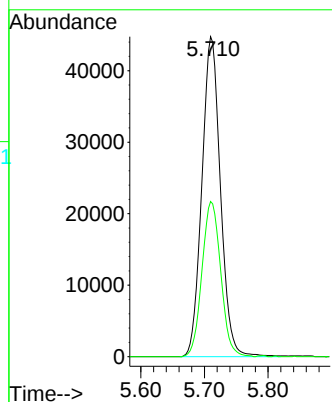
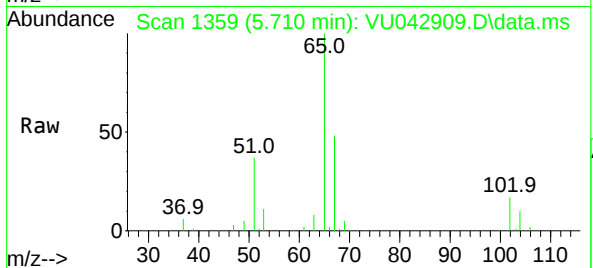




#33  
1,2-Dichloroethane-d4  
Concen: 50.54 ug/l  
RT: 5.710 min Scan# 1359  
Delta R.T. -0.000 min  
Lab File: VU042909.D  
Acq: 02 Apr 2021 20:35

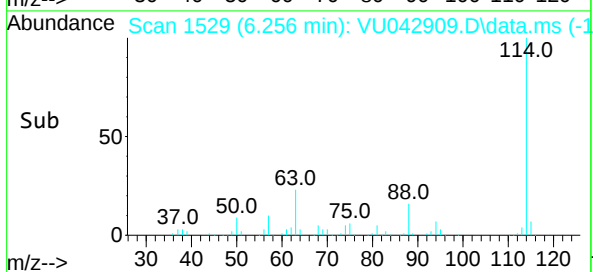
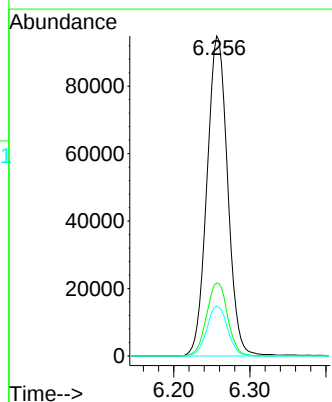
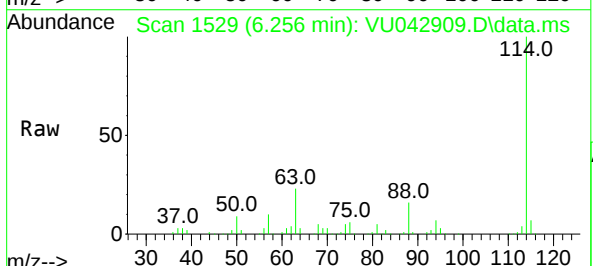
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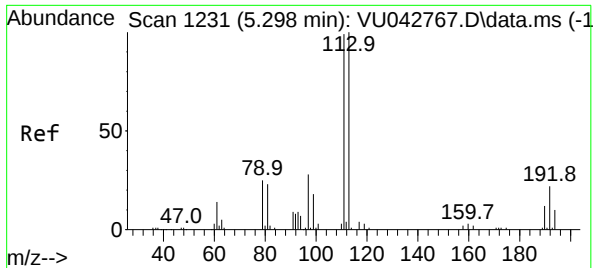
Tgt Ion: 65 Resp: 90855  
Ion Ratio Lower Upper  
65 100  
67 48.9 0.0 98.8



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.256 min Scan# 1529  
Delta R.T. -0.004 min  
Lab File: VU042909.D  
Acq: 02 Apr 2021 20:35

Tgt Ion: 114 Resp: 179202  
Ion Ratio Lower Upper  
114 100  
63 22.8 0.0 46.8  
88 15.5 0.0 32.2

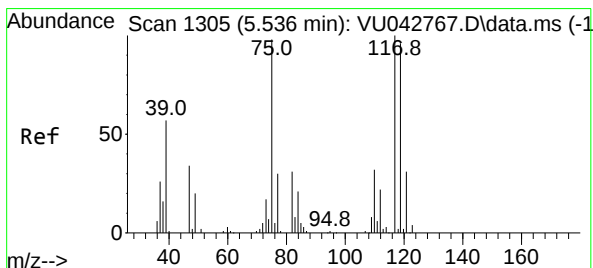
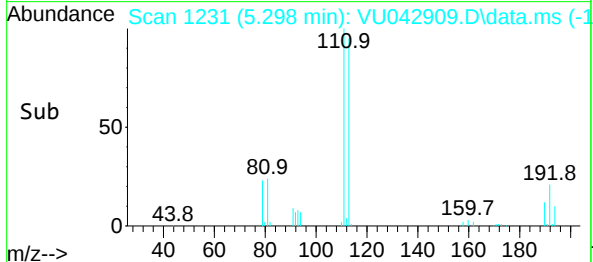
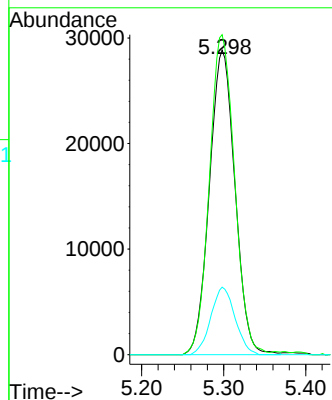
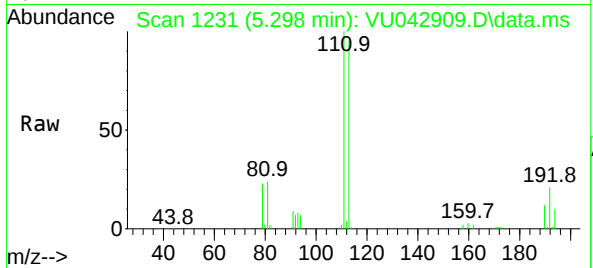




#35  
Dibromofluoromethane  
Concen: 46.67 ug/l  
RT: 5.298 min Scan# 1231  
Delta R.T. -0.000 min  
Lab File: VU042909.D  
Acq: 02 Apr 2021 20:35

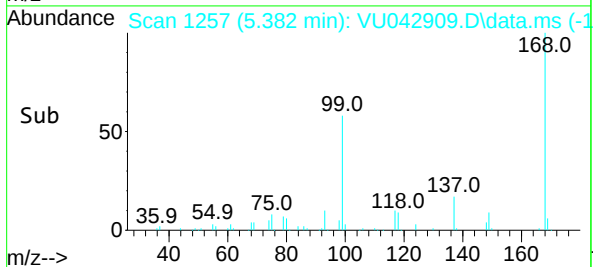
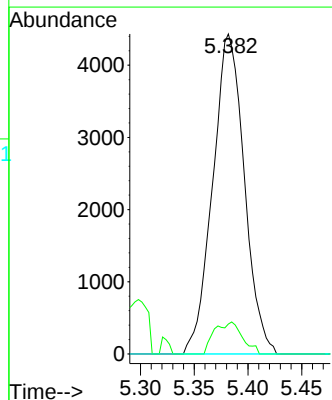
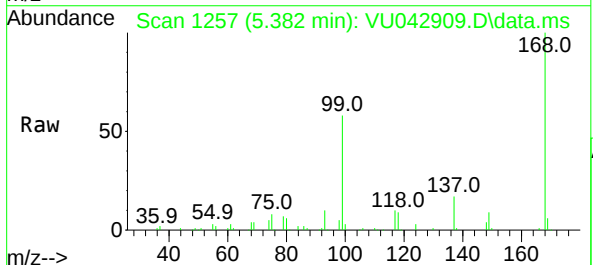
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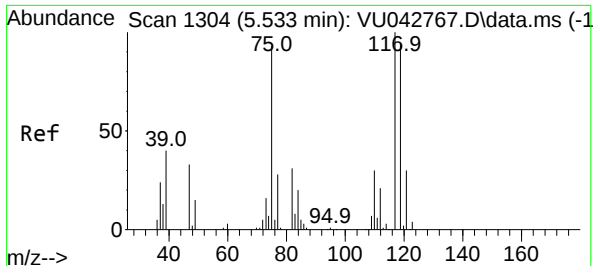
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 62421 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.6 | 82.1  | 123.1 |
| 192      | 21.1  | 17.6  | 26.4  |



#36  
1,1-Dichloropropene  
Concen: 5.11 ug/l  
RT: 5.382 min Scan# 1257  
Delta R.T. -0.155 min  
Lab File: VU042909.D  
Acq: 02 Apr 2021 20:35

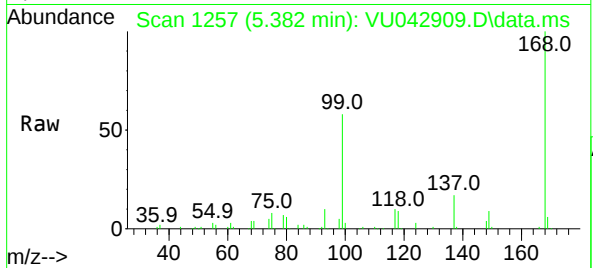
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|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 9052  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 8.9   | 16.6  | 49.7# |
| 77       | 0.0   | 24.7  | 37.1# |



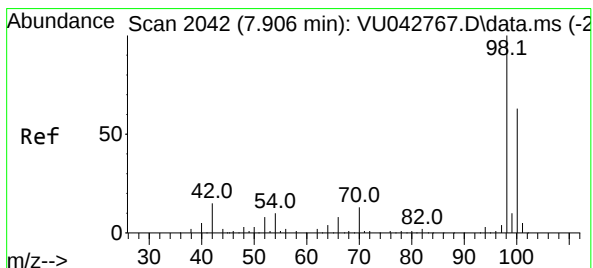
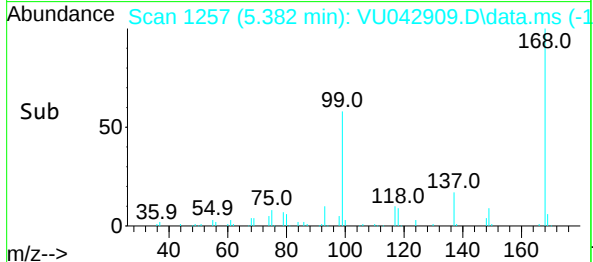
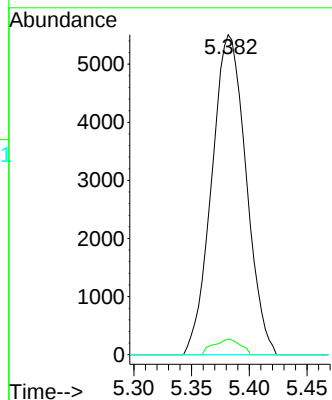


#38  
Carbon Tetrachloride  
Concen: 5.63 ug/l  
RT: 5.382 min Scan# 1257  
Delta R.T. -0.151 min  
Lab File: VU042909.D  
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Instrument :  
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ClientSampleId :  
2021-03-25-TB-01

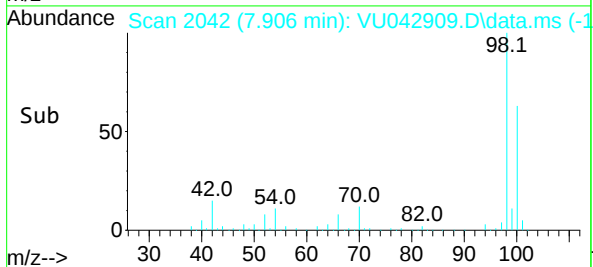
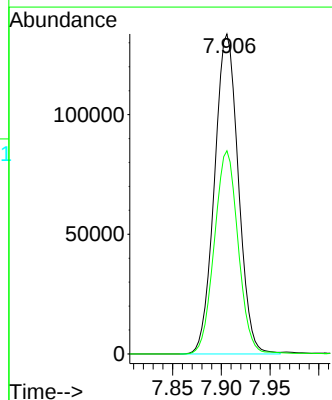
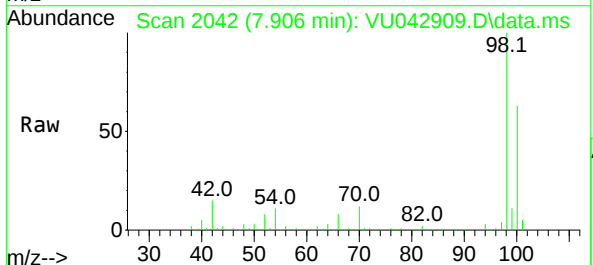


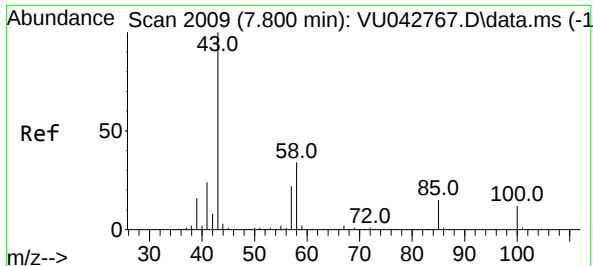
Tgt Ion:117 Resp: 11393  
Ion Ratio Lower Upper  
117 100  
119 4.9 75.2 112.8#  
121 0.0 24.2 36.4#



#50  
Toluene-d8  
Concen: 48.41 ug/l  
RT: 7.906 min Scan# 2042  
Delta R.T. -0.000 min  
Lab File: VU042909.D  
Acq: 02 Apr 2021 20:35

Tgt Ion: 98 Resp: 227773  
Ion Ratio Lower Upper  
98 100  
100 63.4 50.4 75.6

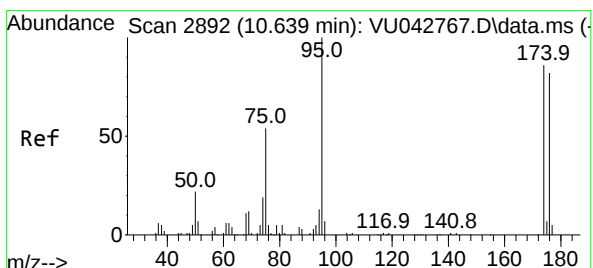
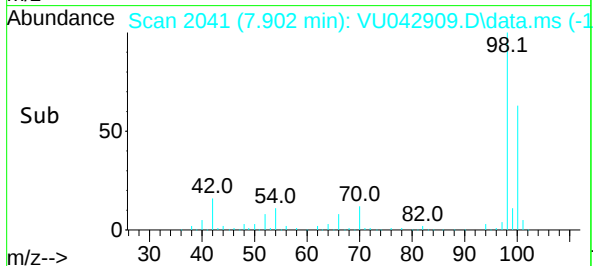
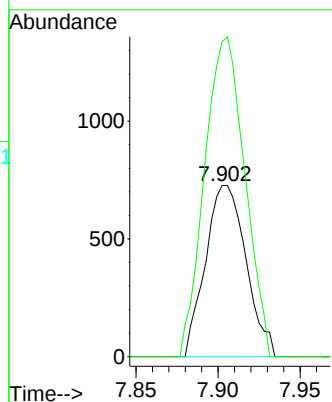
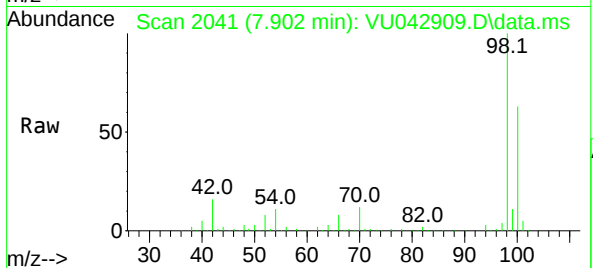




#51  
4-Methyl-2-Pentanone  
Concen: 0.43 ug/l  
RT: 7.902 min Scan# 2041  
Delta R.T. 0.103 min  
Lab File: VU042909.D  
Acq: 02 Apr 2021 20:35

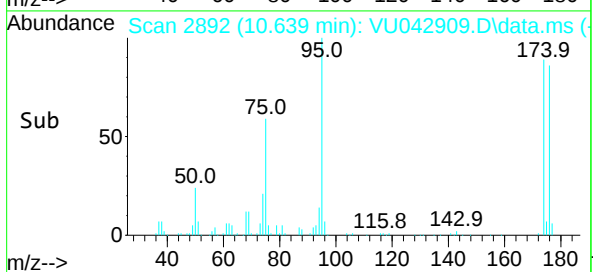
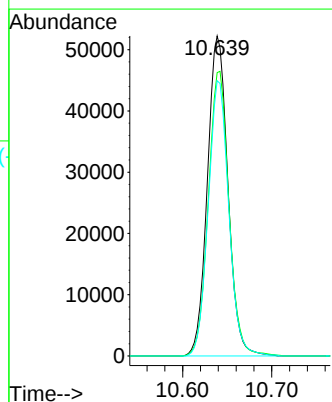
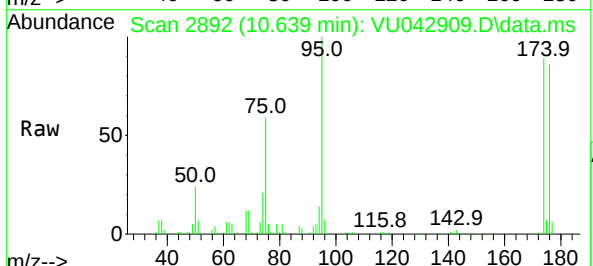
Instrument :  
MSVOA\_U  
ClientSampleId :  
2021-03-25-TB-01

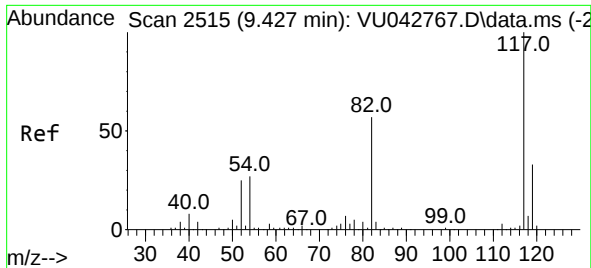
Tgt Ion: 43 Resp: 1247  
Ion Ratio Lower Upper  
43 100  
58 185.4 27.4 41.2#



#62  
4-Bromofluorobenzene  
Concen: 45.65 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. -0.000 min  
Lab File: VU042909.D  
Acq: 02 Apr 2021 20:35

Tgt Ion: 95 Resp: 83468  
Ion Ratio Lower Upper  
95 100  
174 89.7 0.0 175.2  
176 85.9 0.0 167.4

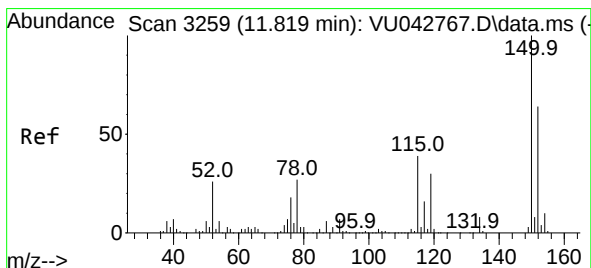
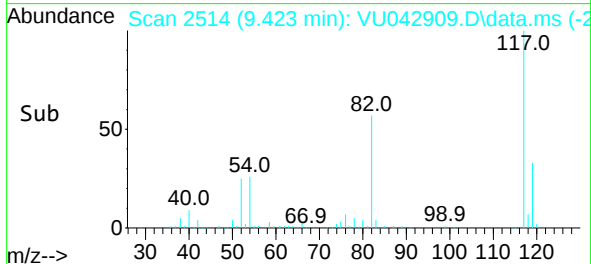
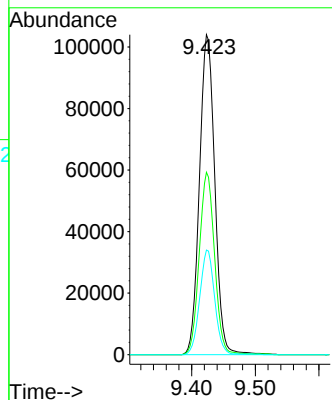
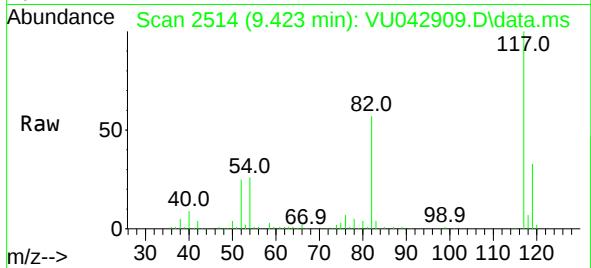




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.423 min Scan# 2514  
Delta R.T. -0.003 min  
Lab File: VU042909.D  
Acq: 02 Apr 2021 20:35

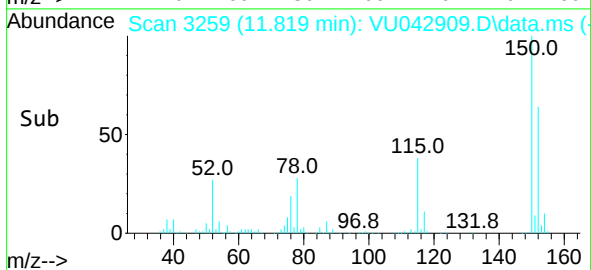
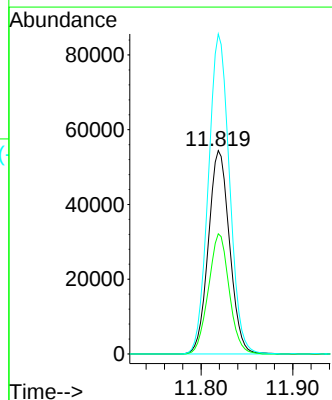
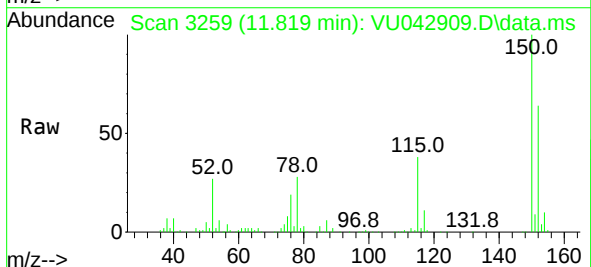
Instrument :  
MSVOA\_U  
ClientSampleId :  
2021-03-25-TB-01

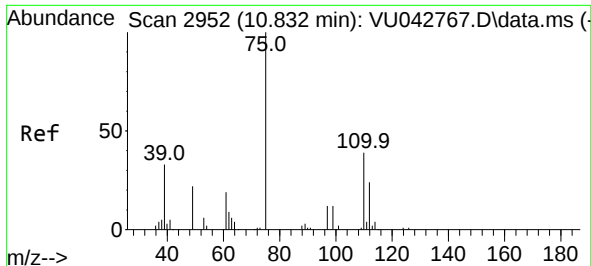
Tgt Ion:117 Resp: 174607  
Ion Ratio Lower Upper  
117 100  
82 57.0 45.5 68.3  
119 32.7 26.2 39.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 11.819 min Scan# 3259  
Delta R.T. -0.000 min  
Lab File: VU042909.D  
Acq: 02 Apr 2021 20:35

Tgt Ion:152 Resp: 87451  
Ion Ratio Lower Upper  
152 100  
115 57.8 41.0 123.0  
150 156.6 0.0 341.0

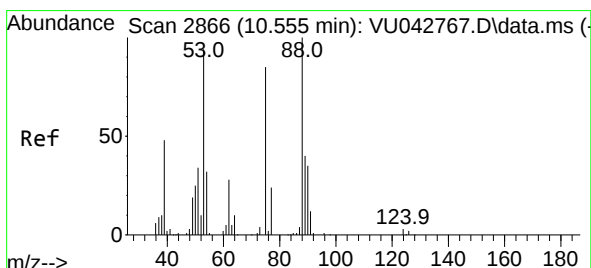
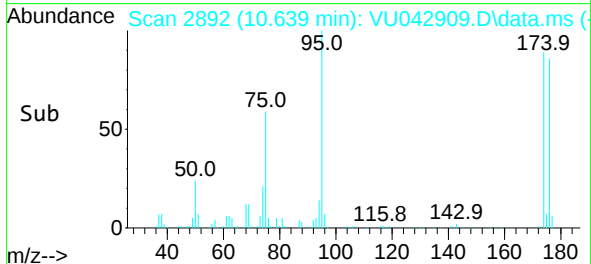
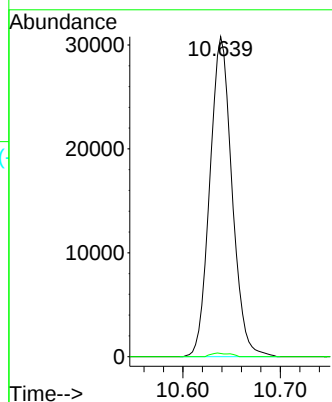
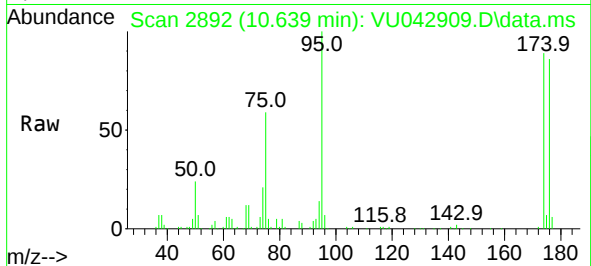




#76  
1,2,3-Trichloropropane  
Concen: 21.93 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. -0.193 min  
Lab File: VU042909.D  
Acq: 02 Apr 2021 20:35

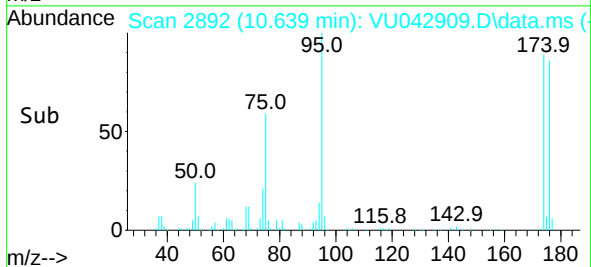
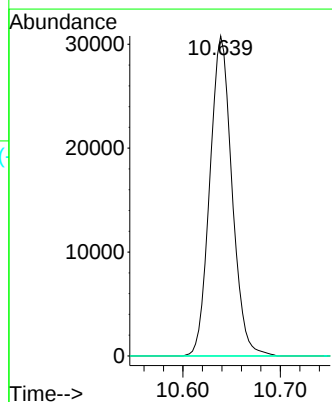
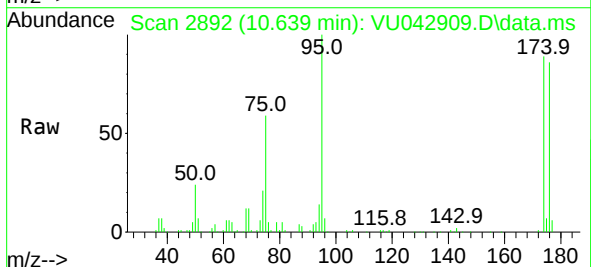
Instrument :  
MSVOA\_U  
ClientSampleId :  
2021-03-25-TB-01

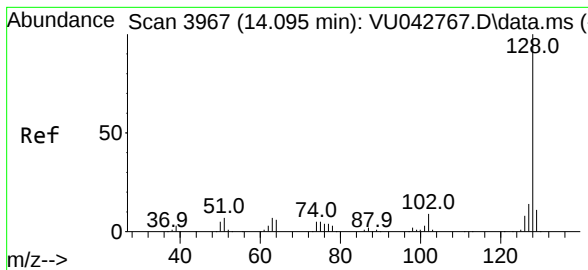
Tgt Ion: 75 Resp: 48782  
Ion Ratio Lower Upper  
75 100  
77 1.0 19.6 58.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 64.99 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. 0.083 min  
Lab File: VU042909.D  
Acq: 02 Apr 2021 20:35

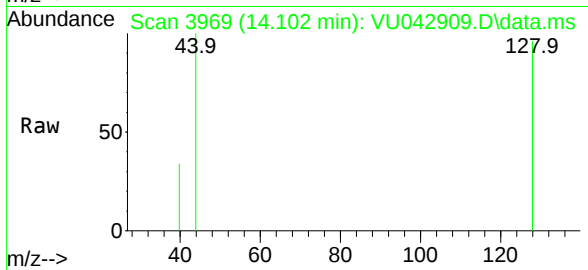
Tgt Ion: 75 Resp: 48782  
Ion Ratio Lower Upper  
75 100  
53 0.0 88.3 132.5#  
89 0.0 35.7 53.5#





#95  
 Naphthalene  
 Concen: 2.64 ug/l  
 RT: 14.102 min Scan# 3969  
 Delta R.T. 0.007 min  
 Lab File: VU042909.D  
 Acq: 02 Apr 2021 20:35

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 2021-03-25-TB-01



Tgt Ion:128 Resp: 434  
 Ion Ratio Lower Upper  
 128 100  
 127 0.0 10.9 16.3#  
 129 0.0 8.7 13.1#

