

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040221\  
 Data File : VU042918.D  
 Acq On : 03 Apr 2021 00:02  
 Operator : SY/MD  
 Sample : M1903-06 10X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 41749

Quant Time: Apr 03 01:41:59 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

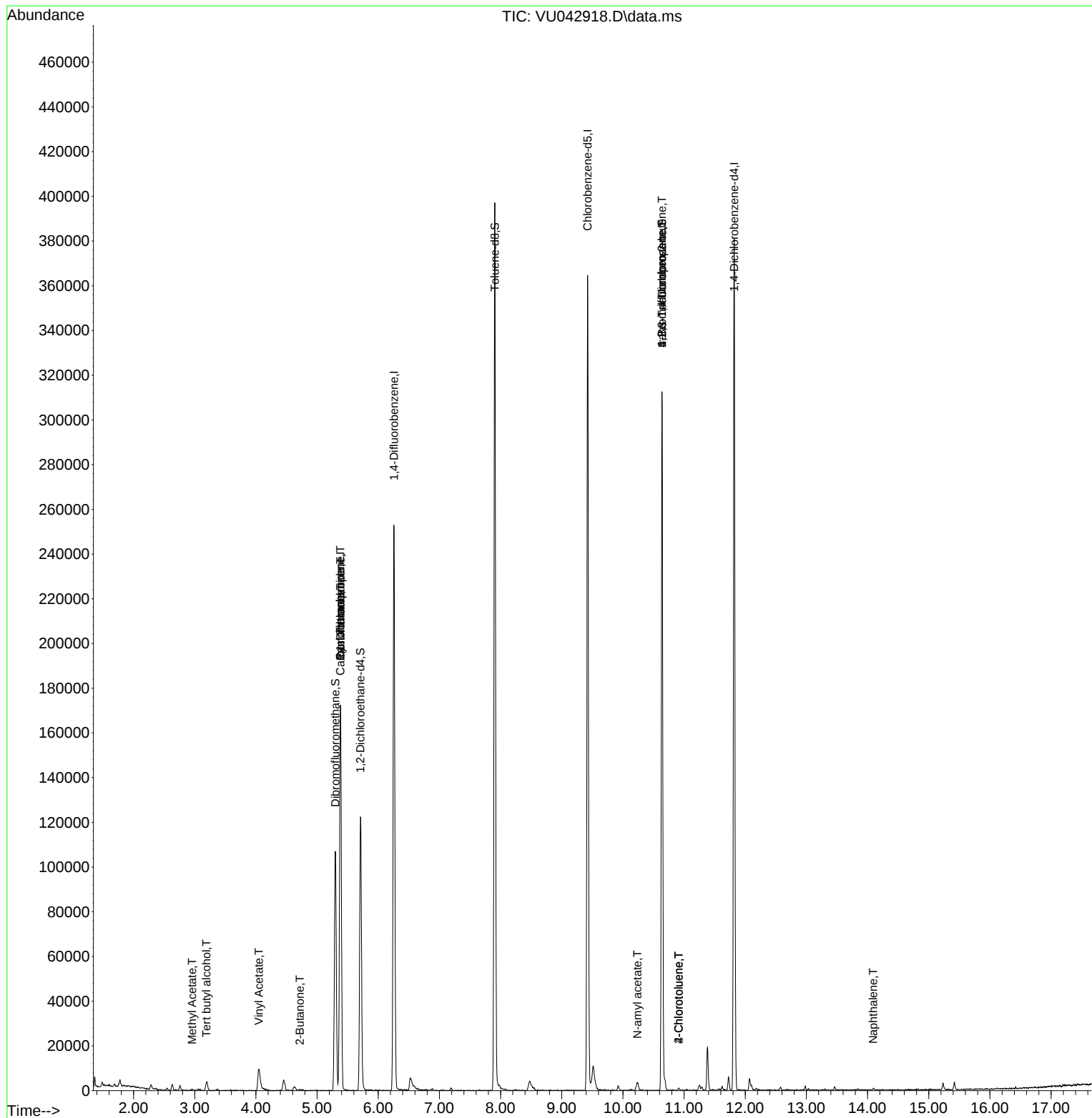
| Compound                      | R.T.   | QIon | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|------------|--------|----------|
| -----                         |        |      |          |            |        |          |
| Internal Standards            |        |      |          |            |        |          |
| 1) Pentafluorobenzene         | 5.382  | 168  | 121065   | 50.00      | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.256  | 114  | 194395   | 50.00      | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 9.423  | 117  | 183292   | 50.00      | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.819 | 152  | 94203    | 50.00      | ug/l   | 0.00     |
|                               |        |      |          |            |        |          |
| System Monitoring Compounds   |        |      |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.710  | 65   | 95779    | 49.63      | ug/l   | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =          | 99.26% |          |
| 35) Dibromofluoromethane      | 5.298  | 113  | 66478    | 45.82      | ug/l   | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =          | 91.64% |          |
| 50) Toluene-d8                | 7.906  | 98   | 243725   | 47.75      | ug/l   | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =          | 95.50% |          |
| 62) 4-Bromofluorobenzene      | 10.639 | 95   | 91543    | 46.15      | ug/l   | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =          | 92.30% |          |
|                               |        |      |          |            |        |          |
| Target Compounds              |        |      |          |            | Qvalue |          |
| 6) Chloroethane               | 1.925  | 64   | 196      | Below Cal  | #      | 43       |
| 11) Tert butyl alcohol        | 3.192  | 59   | 2897     | 7.02 ug/l  | #      | 74       |
| 16) Acetone                   | 2.629  | 43   | 2837     | Below Cal  | #      | 81       |
| 18) Methyl Acetate            | 2.957  | 43   | 949      | 0.43 ug/l  | #      | 56       |
| 23) Vinyl Acetate             | 4.047  | 43   | 1875     | 0.42 ug/l  | #      | 76       |
| 25) 2-Butanone                | 4.716  | 43   | 667      | 0.42 ug/l  | #      | 54       |
| 31) Cyclohexane               | 5.382  | 56   | 3110     | 1.29 ug/l  | #      | 12       |
| 36) 1,1-Dichloropropene       | 5.382  | 75   | 10509    | 5.47 ug/l  | #      | 49       |
| 38) Carbon Tetrachloride      | 5.378  | 117  | 12026    | 5.48 ug/l  | #      | 16       |
| 74) N-amyl acetate            | 10.237 | 43   | 1588     | 0.47 ug/l  | #      | 1        |
| 76) 1,2,3-Trichloropropane    | 10.639 | 75   | 53118    | 22.17 ug/l | #      | 38       |
| 79) 2-Chlorotoluene           | 10.912 | 91   | 1344     | 0.32 ug/l  | #      | 41       |
| 81) trans-1,4-Dichloro-2-b... | 10.639 | 75   | 53118    | 65.69 ug/l | #      | 6        |
| 82) 4-Chlorotoluene           | 10.912 | 91   | 1344     | 0.27 ug/l  | #      | 46       |
| 95) Naphthalene               | 14.092 | 128  | 914      | 2.71 ug/l  | #      | 88       |
| -----                         |        |      |          |            |        |          |

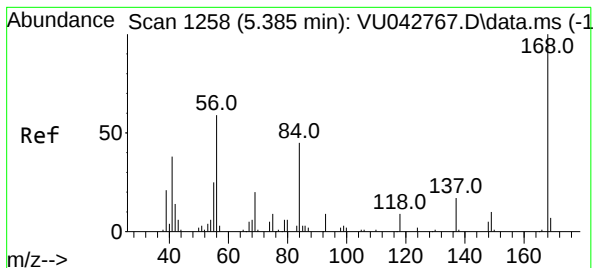
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040221\  
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Quant Title : SW846 8260  
QLast Update : Thu Mar 25 05:42:00 2021  
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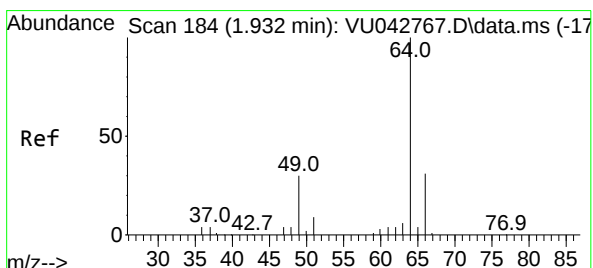
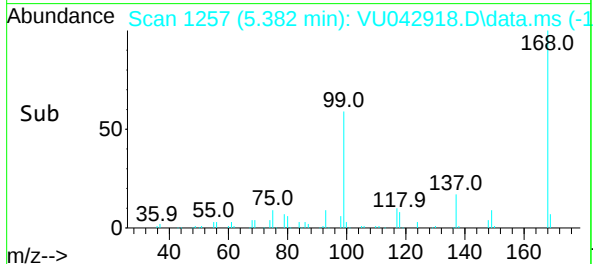
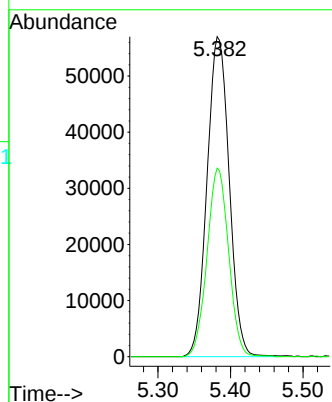
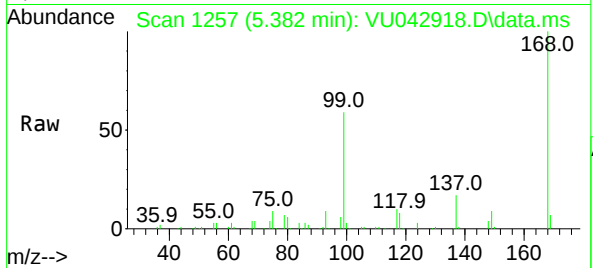




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.382 min Scan# 1257  
Delta R.T. -0.003 min  
Lab File: VU042918.D  
Acq: 03 Apr 2021 00:02

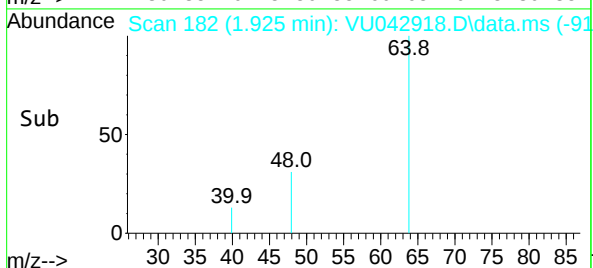
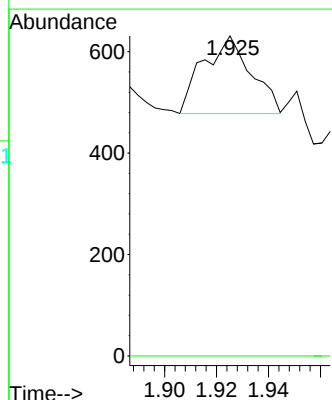
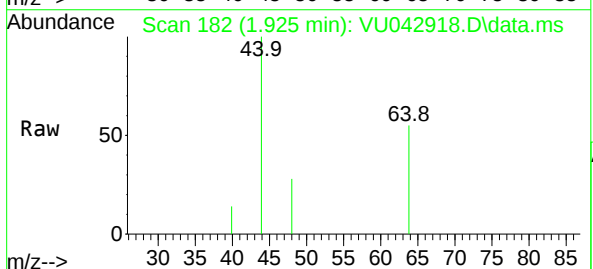
Instrument :  
MSVOA\_U  
ClientSampleId :  
41749

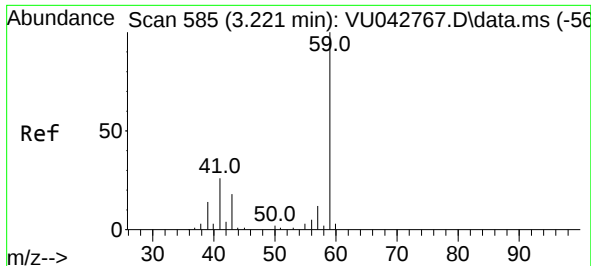
Tgt Ion:168 Resp: 121065  
Ion Ratio Lower Upper  
168 100  
99 58.9 46.4 69.6



#6  
Chloroethane  
Concen: Below Cal  
RT: 1.925 min Scan# 182  
Delta R.T. -0.007 min  
Lab File: VU042918.D  
Acq: 03 Apr 2021 00:02

Tgt Ion: 64 Resp: 196  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.0 37.6#



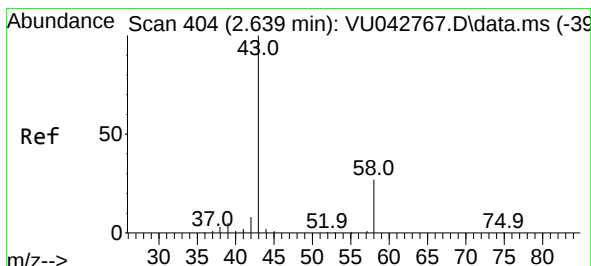
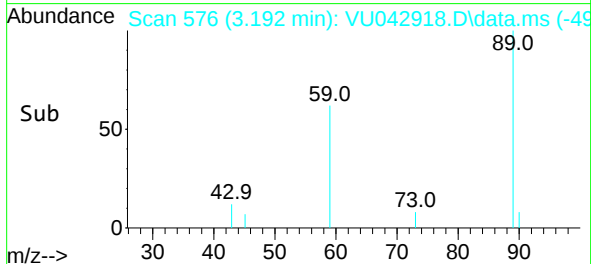
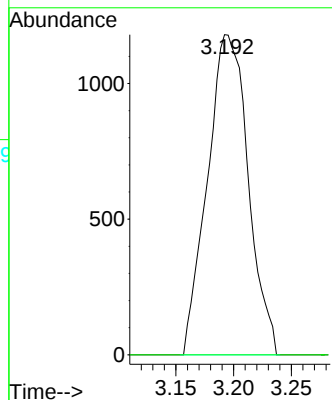
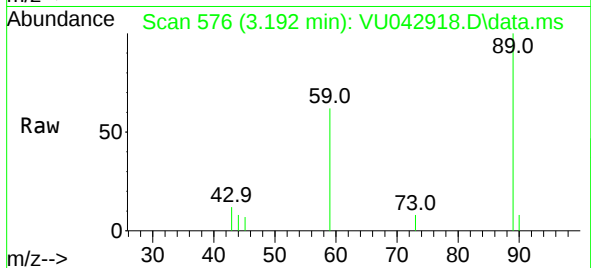


#11

Tert butyl alcohol  
Concen: 7.02 ug/l  
RT: 3.192 min Scan# 576  
Delta R.T. -0.029 min  
Lab File: VU042918.D  
Acq: 03 Apr 2021 00:02

Instrument :  
MSVOA\_U  
ClientSampleId :  
41749

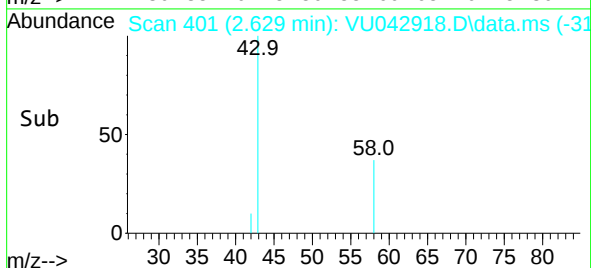
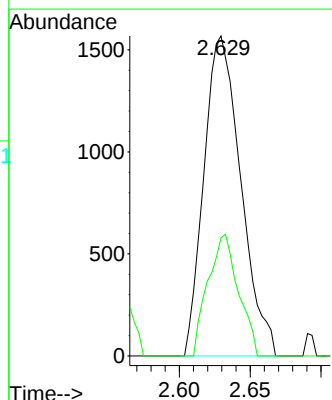
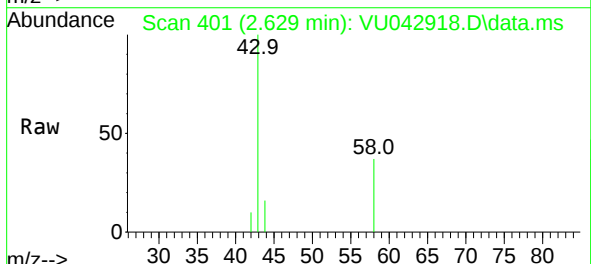
Tgt Ion: 59 Resp: 2897  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#

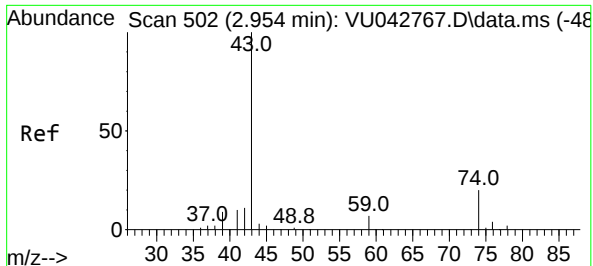


#16

Acetone  
Concen: Below Cal  
RT: 2.629 min Scan# 401  
Delta R.T. -0.010 min  
Lab File: VU042918.D  
Acq: 03 Apr 2021 00:02

Tgt Ion: 43 Resp: 2837  
Ion Ratio Lower Upper  
43 100  
58 36.9 21.6 32.4#

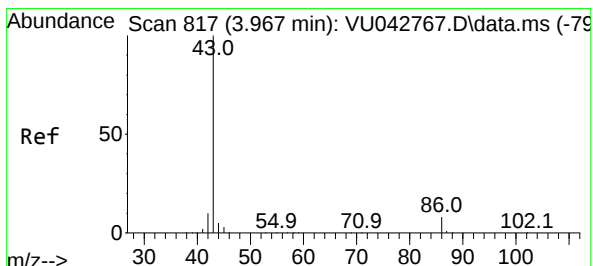
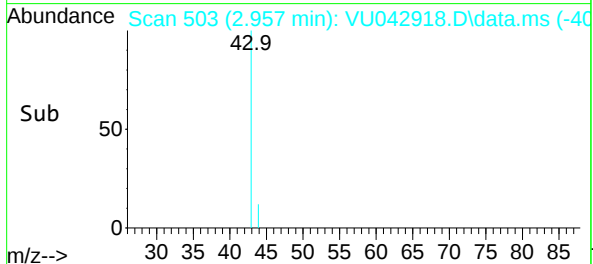
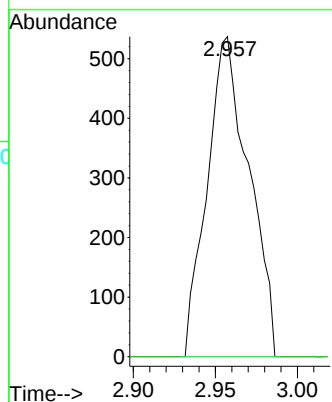
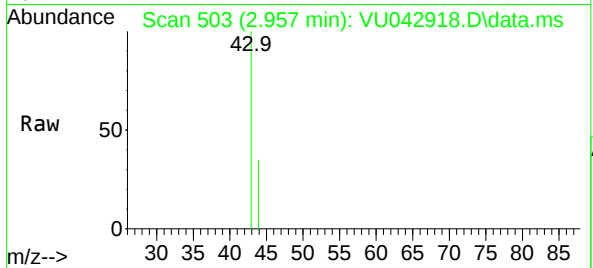




#18  
Methyl Acetate  
Concen: 0.43 ug/l  
RT: 2.957 min Scan# 503  
Delta R.T. 0.003 min  
Lab File: VU042918.D  
Acq: 03 Apr 2021 00:02

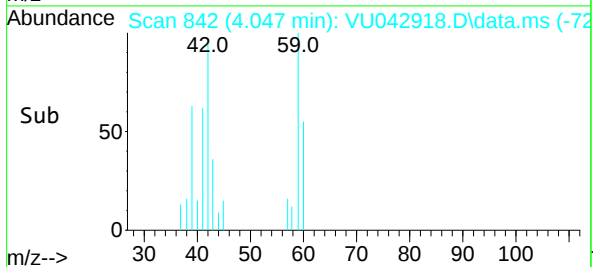
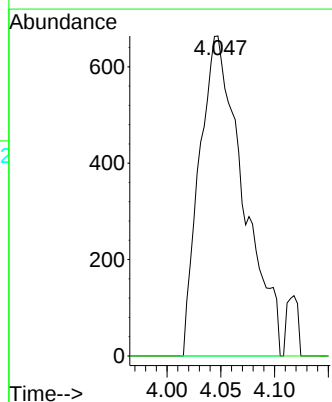
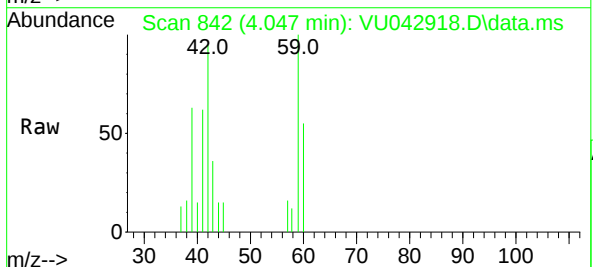
Instrument :  
MSVOA\_U  
ClientSampleId :  
41749

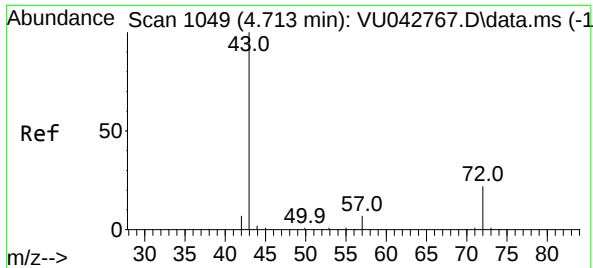
Tgt Ion: 43 Resp: 949  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.2 24.4#



#23  
Vinyl Acetate  
Concen: 0.42 ug/l  
RT: 4.047 min Scan# 842  
Delta R.T. 0.080 min  
Lab File: VU042918.D  
Acq: 03 Apr 2021 00:02

Tgt Ion: 43 Resp: 1875  
Ion Ratio Lower Upper  
43 100  
86 0.0 6.7 10.1#

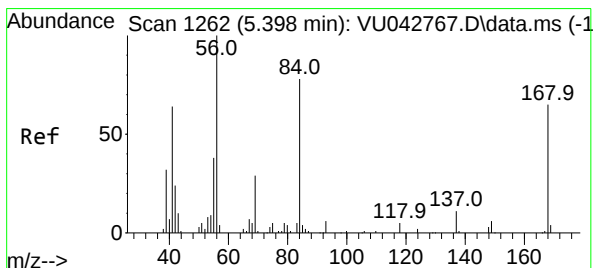
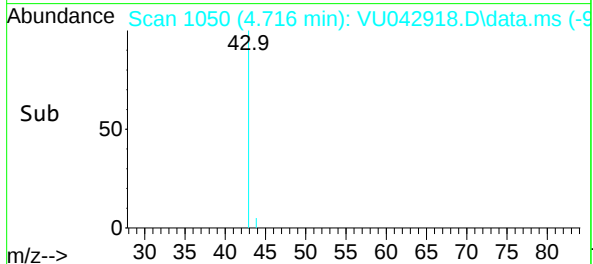
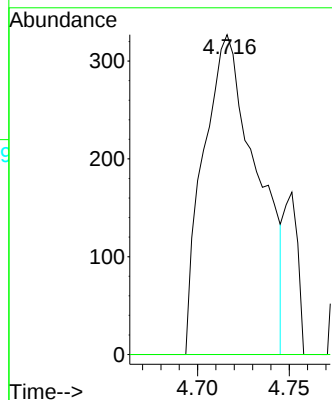
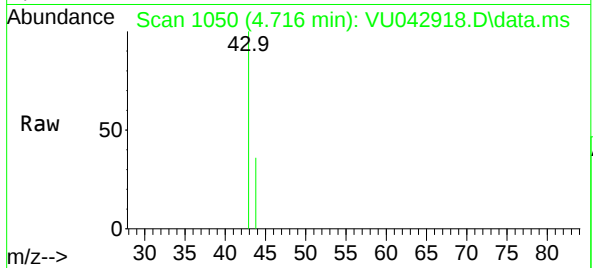




#25  
2-Butanone  
Concen: 0.42 ug/l  
RT: 4.716 min Scan# 1050  
Delta R.T. 0.003 min  
Lab File: VU042918.D  
Acq: 03 Apr 2021 00:02

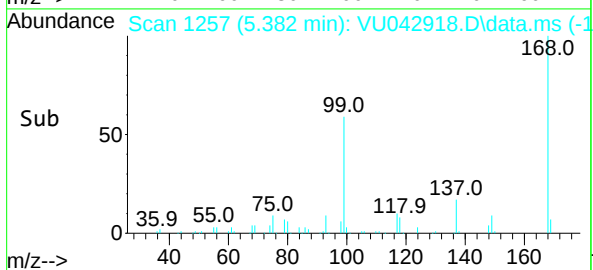
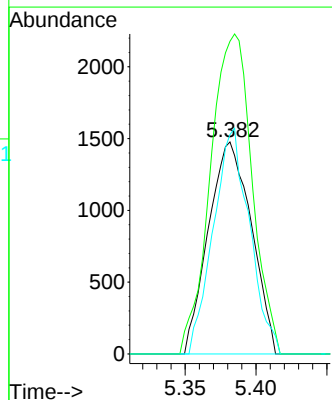
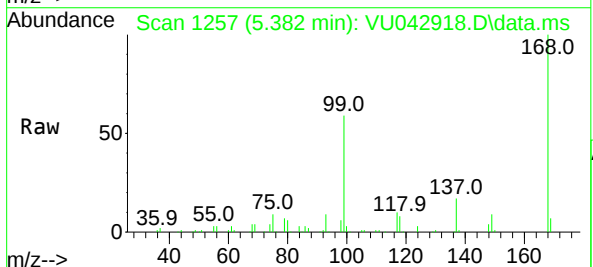
Instrument :  
MSVOA\_U  
ClientSampled :  
41749

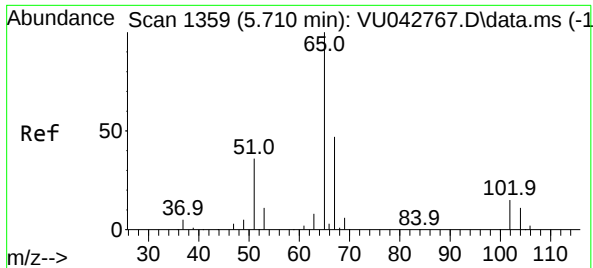
Tgt Ion: 43 Resp: 667  
Ion Ratio Lower Upper  
43 100  
72 0.0 17.7 26.5#



#31  
Cyclohexane  
Concen: 1.29 ug/l  
RT: 5.382 min Scan# 1257  
Delta R.T. -0.016 min  
Lab File: VU042918.D  
Acq: 03 Apr 2021 00:02

Tgt Ion: 56 Resp: 3110  
Ion Ratio Lower Upper  
56 100  
69 147.5 23.3 34.9#  
84 111.2 62.2 93.4#





#33

1,2-Dichloroethane-d4

Concen: 49.63 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VU042918.D

Acq: 03 Apr 2021 00:02

Tgt Ion: 65 Resp: 95779

Ion Ratio Lower Upper

65 100

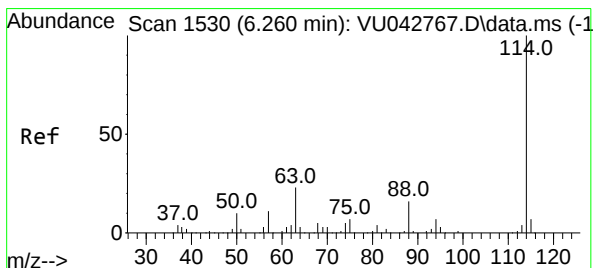
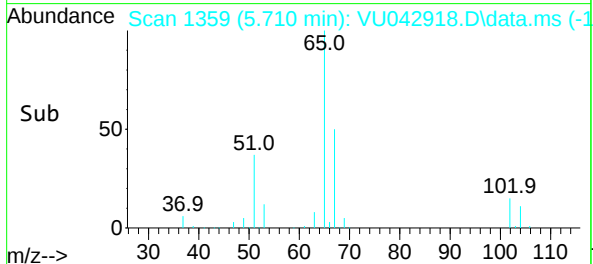
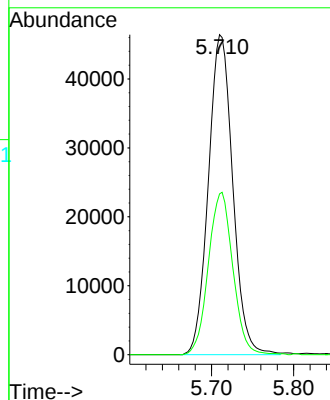
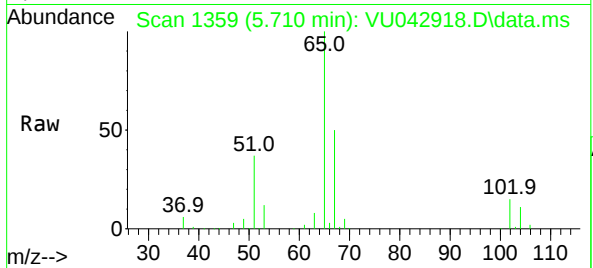
67 51.0 0.0 98.8

Instrument :

MSVOA\_U

ClientSampled :

41749



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. -0.004 min

Lab File: VU042918.D

Acq: 03 Apr 2021 00:02

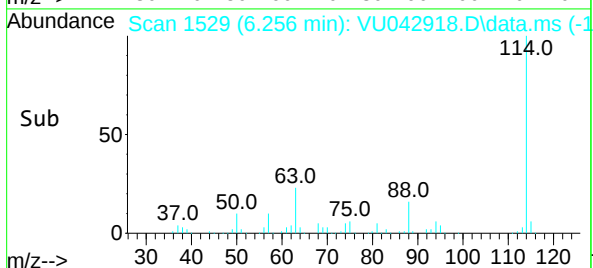
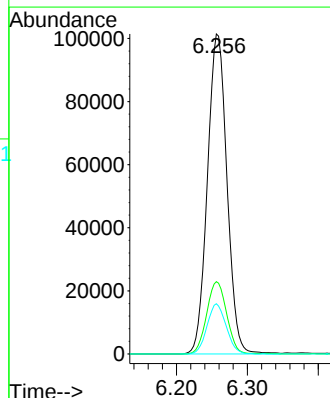
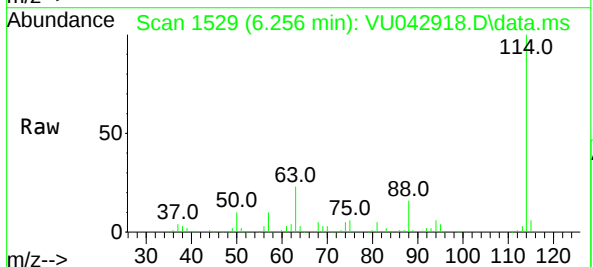
Tgt Ion: 114 Resp: 194395

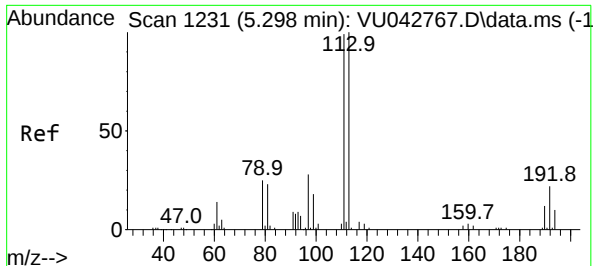
Ion Ratio Lower Upper

114 100

63 22.6 0.0 46.8

88 15.7 0.0 32.2

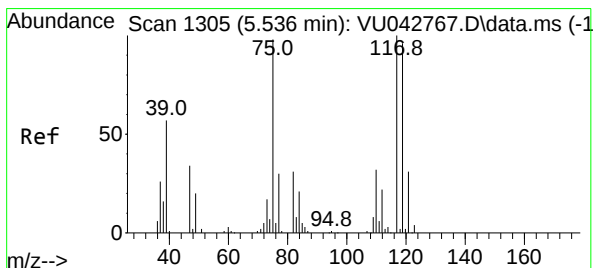
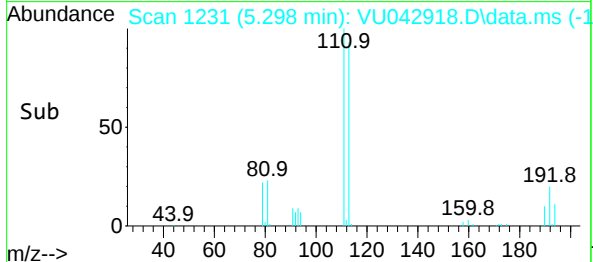
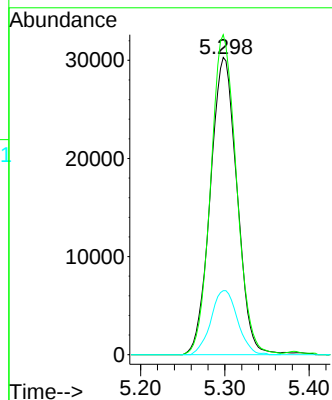
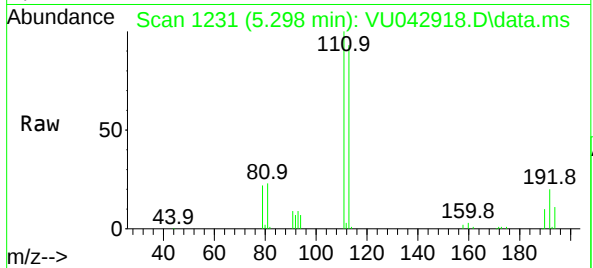




#35  
Dibromofluoromethane  
Concen: 45.82 ug/l  
RT: 5.298 min Scan# 1231  
Delta R.T. -0.000 min  
Lab File: VU042918.D  
Acq: 03 Apr 2021 00:02

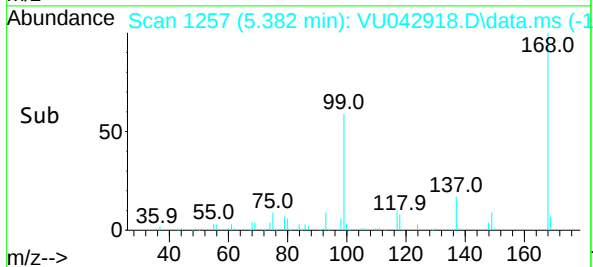
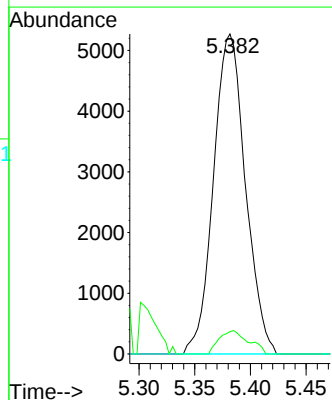
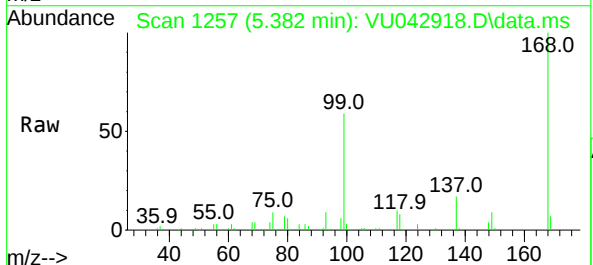
Instrument :  
MSVOA\_U  
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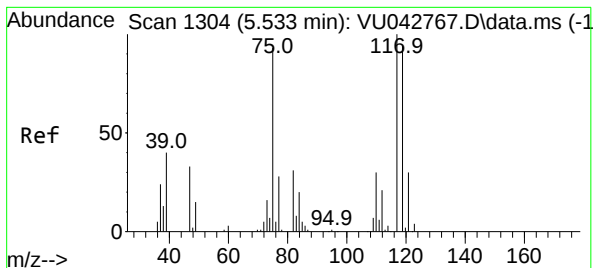
Tgt Ion:113 Resp: 66478  
Ion Ratio Lower Upper  
113 100  
111 104.2 82.1 123.1  
192 21.5 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 5.47 ug/l  
RT: 5.382 min Scan# 1257  
Delta R.T. -0.155 min  
Lab File: VU042918.D  
Acq: 03 Apr 2021 00:02

Tgt Ion: 75 Resp: 10509  
Ion Ratio Lower Upper  
75 100  
110 6.7 16.6 49.7#  
77 0.0 24.7 37.1#

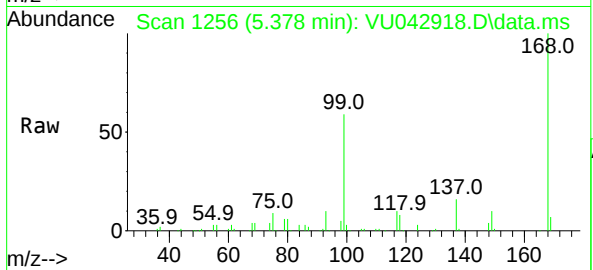




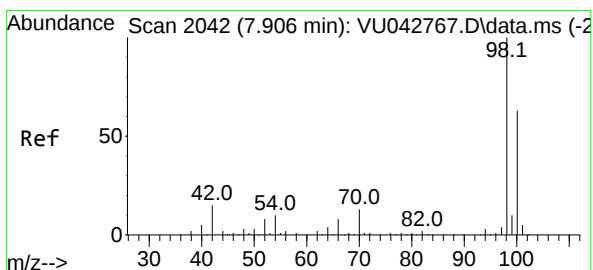
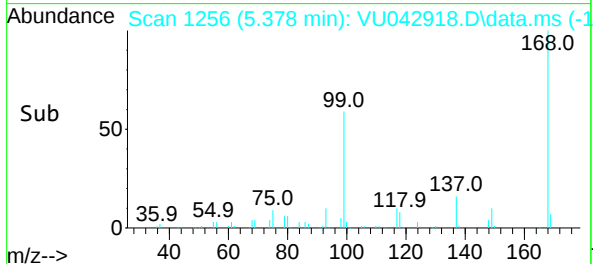
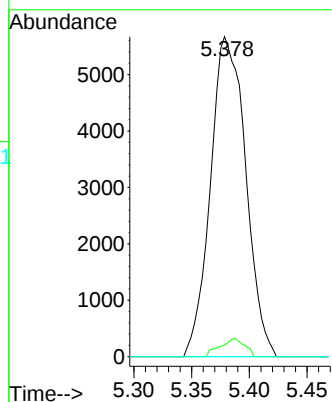
#38

Carbon Tetrachloride  
Concen: 5.48 ug/l  
RT: 5.378 min Scan# 1256  
Delta R.T. -0.155 min  
Lab File: VU042918.D  
Acq: 03 Apr 2021 00:02

Instrument :  
MSVOA\_U  
ClientSampled :  
41749



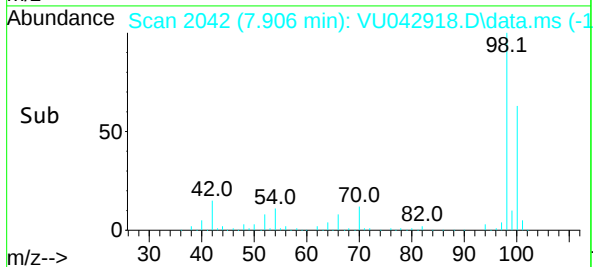
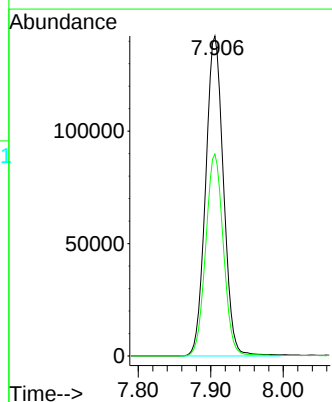
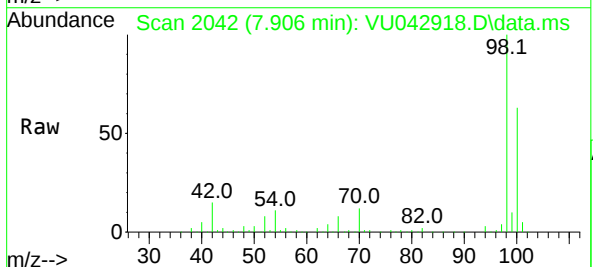
Tgt Ion: 117 Resp: 12026  
Ion Ratio Lower Upper  
117 100  
119 3.6 75.2 112.8#  
121 0.0 24.2 36.4#

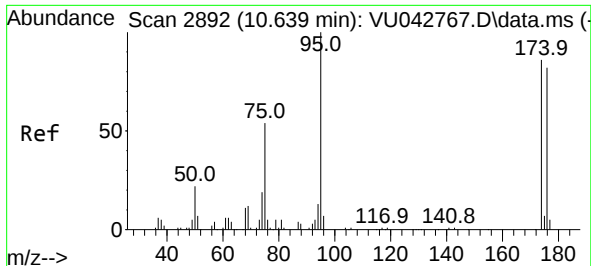


#50

Toluene-d8  
Concen: 47.75 ug/l  
RT: 7.906 min Scan# 2042  
Delta R.T. -0.000 min  
Lab File: VU042918.D  
Acq: 03 Apr 2021 00:02

Tgt Ion: 98 Resp: 243725  
Ion Ratio Lower Upper  
98 100  
100 62.6 50.4 75.6

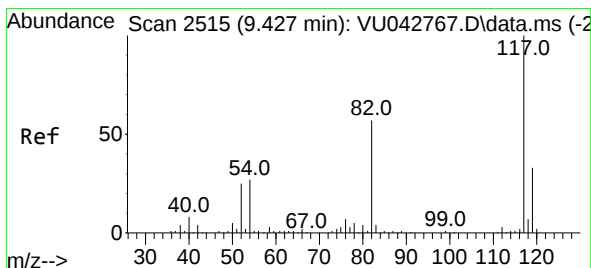
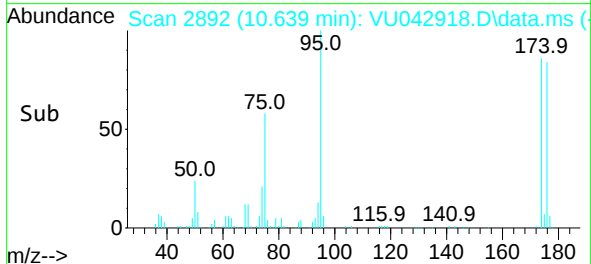
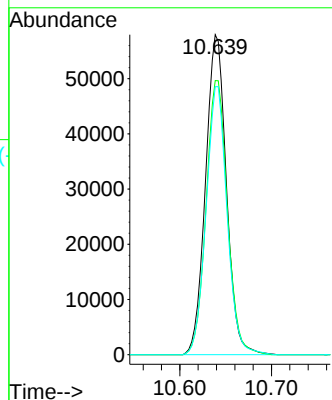
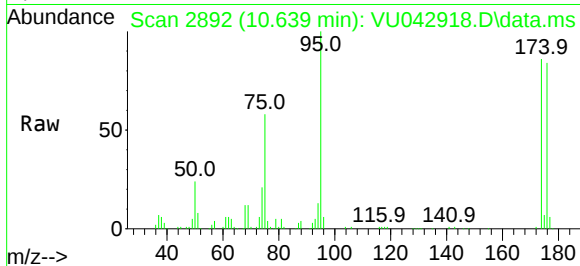




#62  
4-Bromofluorobenzene  
Concen: 46.15 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. -0.000 min  
Lab File: VU042918.D  
Acq: 03 Apr 2021 00:02

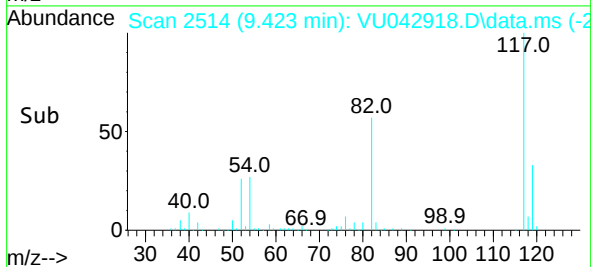
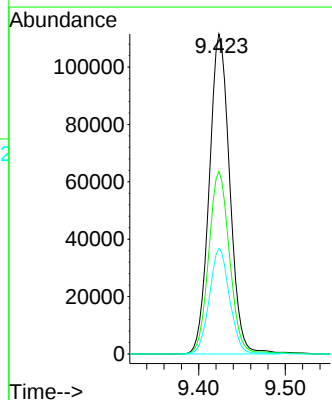
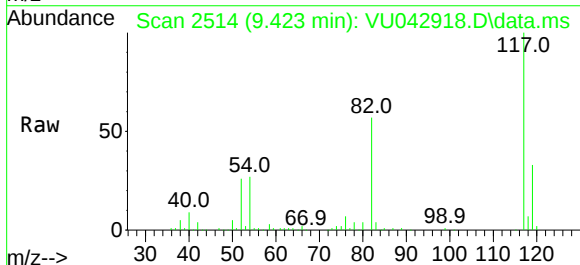
Instrument :  
MSVOA\_U  
ClientSampleId :  
41749

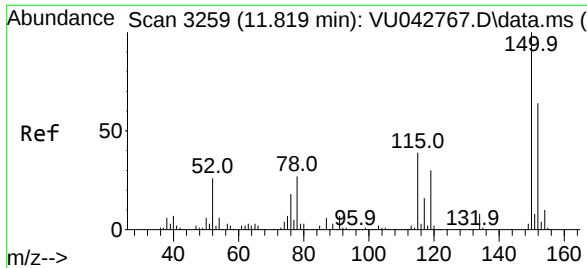
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 95    | Resp: | 91543 |
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 87.6  | 0.0   | 175.2 |
| 176       | 84.1  | 0.0   | 167.4 |



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.423 min Scan# 2514  
Delta R.T. -0.003 min  
Lab File: VU042918.D  
Acq: 03 Apr 2021 00:02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 183292 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 57.1  | 45.5  | 68.3   |
| 119       | 33.0  | 26.2  | 39.4   |

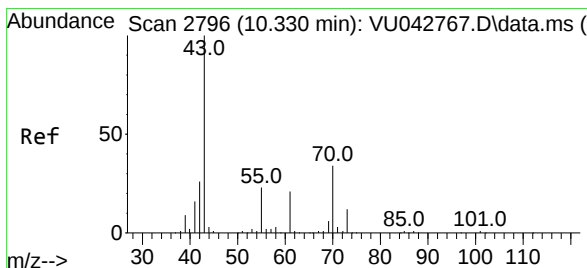
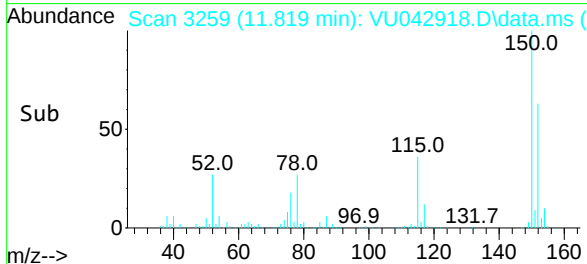
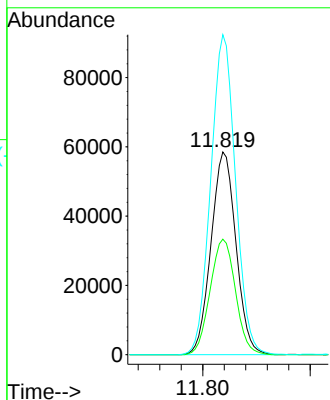
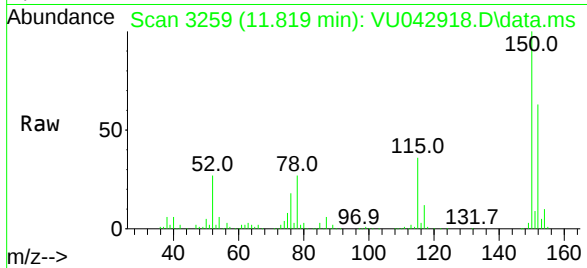




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 11.819 min Scan# 3259  
 Delta R.T. -0.000 min  
 Lab File: VU042918.D  
 Acq: 03 Apr 2021 00:02

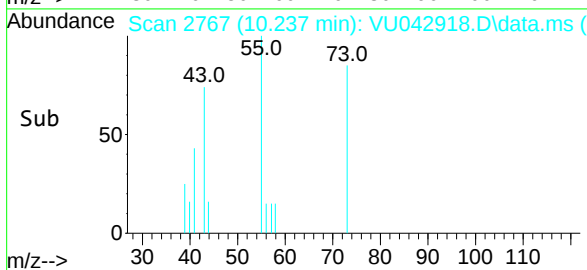
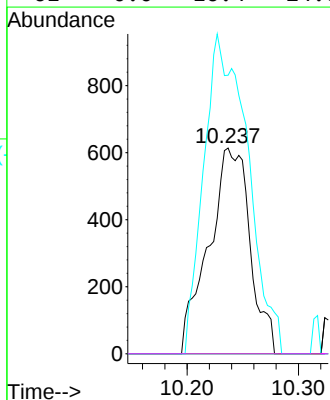
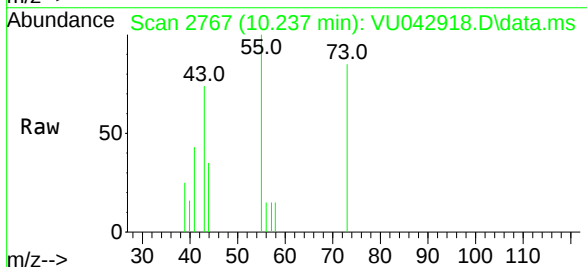
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 41749

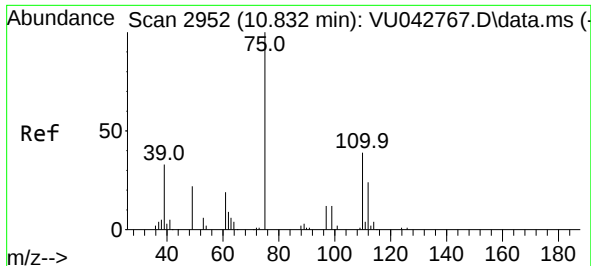
Tgt Ion:152 Resp: 94203  
 Ion Ratio Lower Upper  
 152 100  
 115 57.9 41.0 123.0  
 150 156.9 0.0 341.0



#74  
 N-ethyl acetate  
 Concen: 0.47 ug/l  
 RT: 10.237 min Scan# 2767  
 Delta R.T. -0.093 min  
 Lab File: VU042918.D  
 Acq: 03 Apr 2021 00:02

Tgt Ion: 43 Resp: 1588  
 Ion Ratio Lower Upper  
 43 100  
 70 0.0 27.8 41.6#  
 55 164.7 18.4 27.6#  
 61 0.0 16.4 24.6#

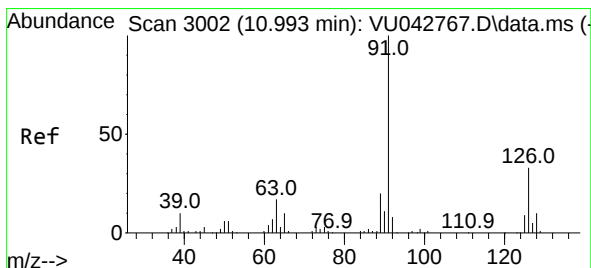
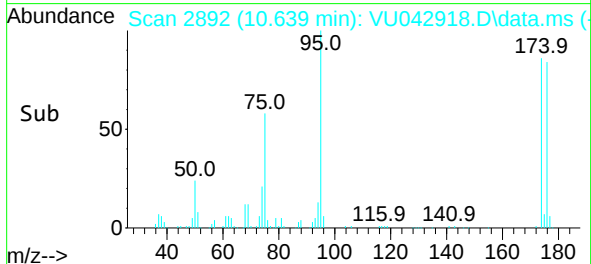
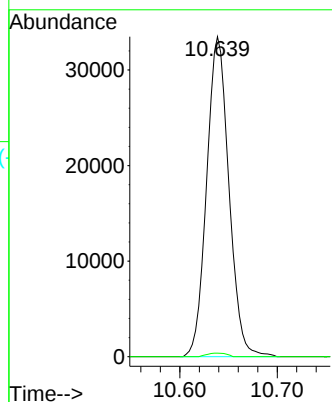
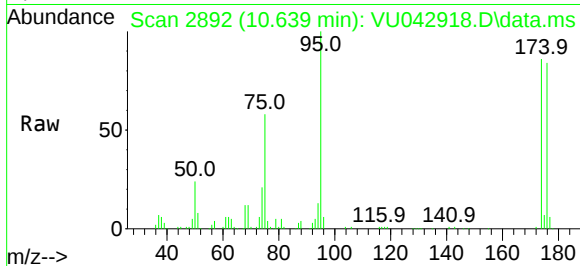




#76  
1,2,3-Trichloropropane  
Concen: 22.17 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. -0.193 min  
Lab File: VU042918.D  
Acq: 03 Apr 2021 00:02

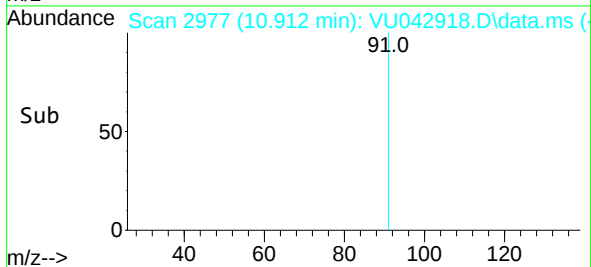
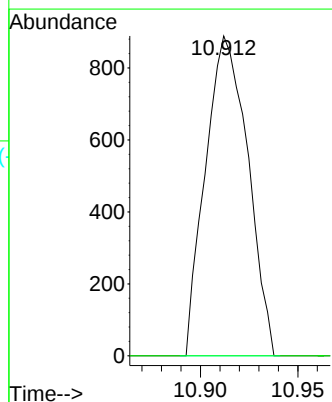
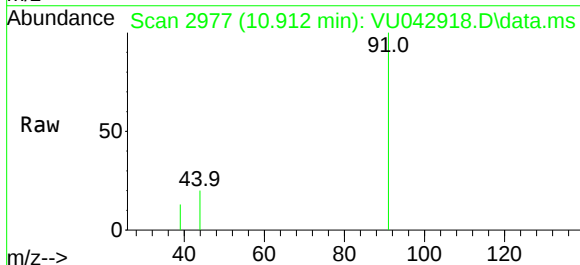
Instrument :  
MSVOA\_U  
ClientSampleId :  
41749

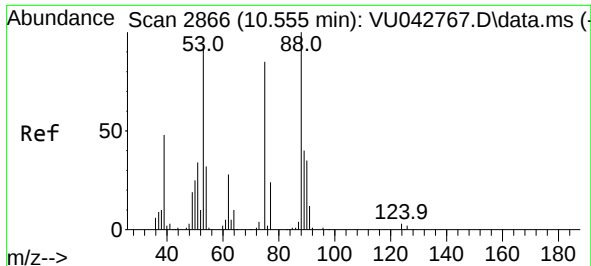
Tgt Ion: 75 Resp: 53118  
Ion Ratio Lower Upper  
75 100  
77 1.0 19.6 58.8#



#79  
2-Chlorotoluene  
Concen: 0.32 ug/l  
RT: 10.912 min Scan# 2977  
Delta R.T. -0.081 min  
Lab File: VU042918.D  
Acq: 03 Apr 2021 00:02

Tgt Ion: 91 Resp: 1344  
Ion Ratio Lower Upper  
91 100  
126 0.0 16.7 50.1#

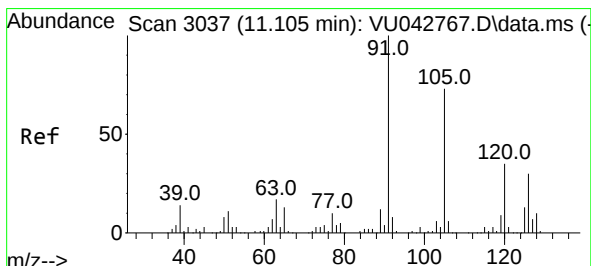
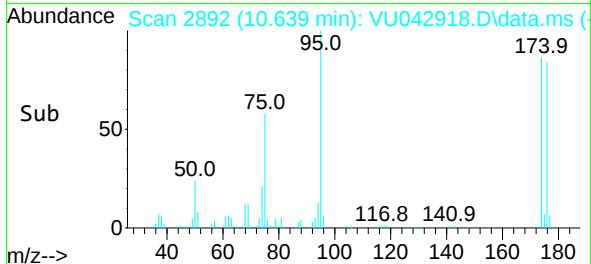
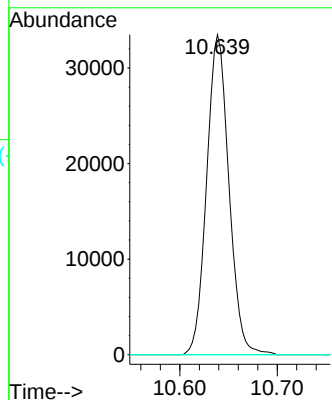
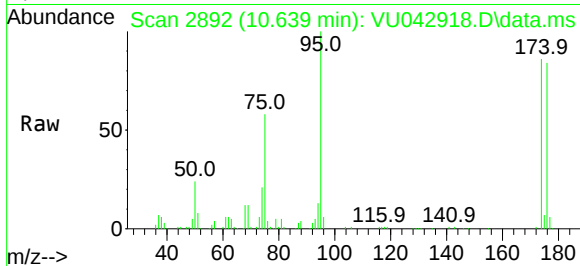




#81  
trans-1,4-Dichloro-2-butene  
Concen: 65.69 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. 0.083 min  
Lab File: VU042918.D  
Acq: 03 Apr 2021 00:02

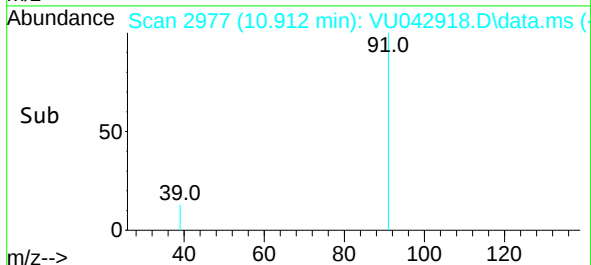
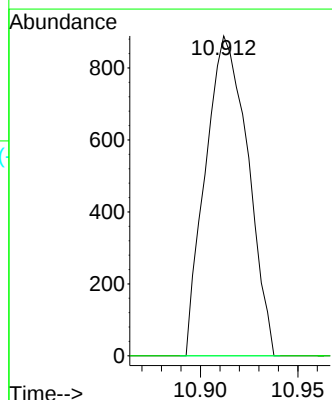
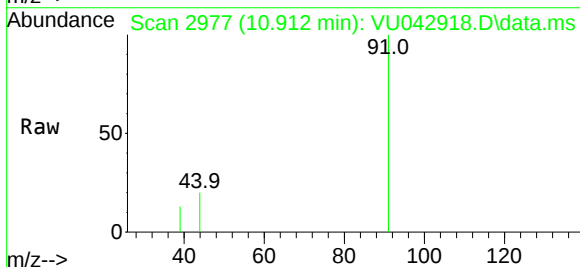
Instrument :  
MSVOA\_U  
ClientSampled :  
41749

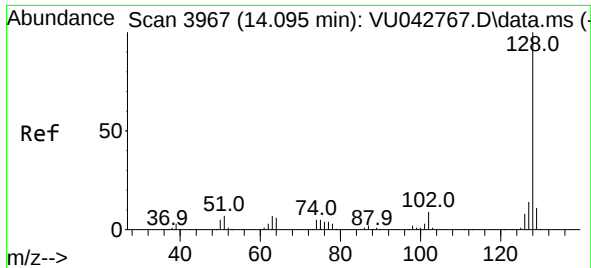
Tgt Ion: 75 Resp: 53118  
Ion Ratio Lower Upper  
75 100  
53 0.0 88.3 132.5#  
89 0.0 35.7 53.5#



#82  
4-Chlorotoluene  
Concen: 0.27 ug/l  
RT: 10.912 min Scan# 2977  
Delta R.T. -0.193 min  
Lab File: VU042918.D  
Acq: 03 Apr 2021 00:02

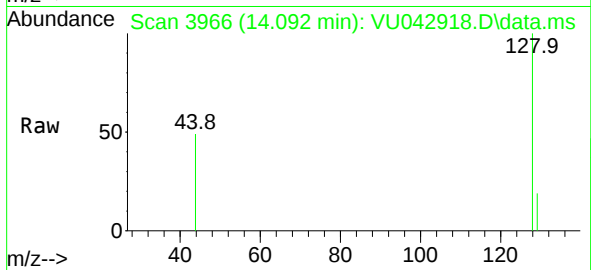
Tgt Ion: 91 Resp: 1344  
Ion Ratio Lower Upper  
91 100  
126 0.0 14.5 43.5#





#95  
Naphthalene  
Concen: 2.71 ug/l  
RT: 14.092 min Scan# 3966  
Delta R.T. -0.003 min  
Lab File: VU042918.D  
Acq: 03 Apr 2021 00:02

Instrument :  
MSVOA\_U  
ClientSampleId :  
41749



Tgt Ion:128 Resp: 914  
Ion Ratio Lower Upper  
128 100  
127 10.4 10.9 16.3#  
129 4.5 8.7 13.1#

