

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040221\  
 Data File : VU042910.D  
 Acq On : 02 Apr 2021 20:58  
 Operator : SY/MD  
 Sample : M1931-06  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TRIP-BLANK

Quant Time: Apr 03 00:17:14 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

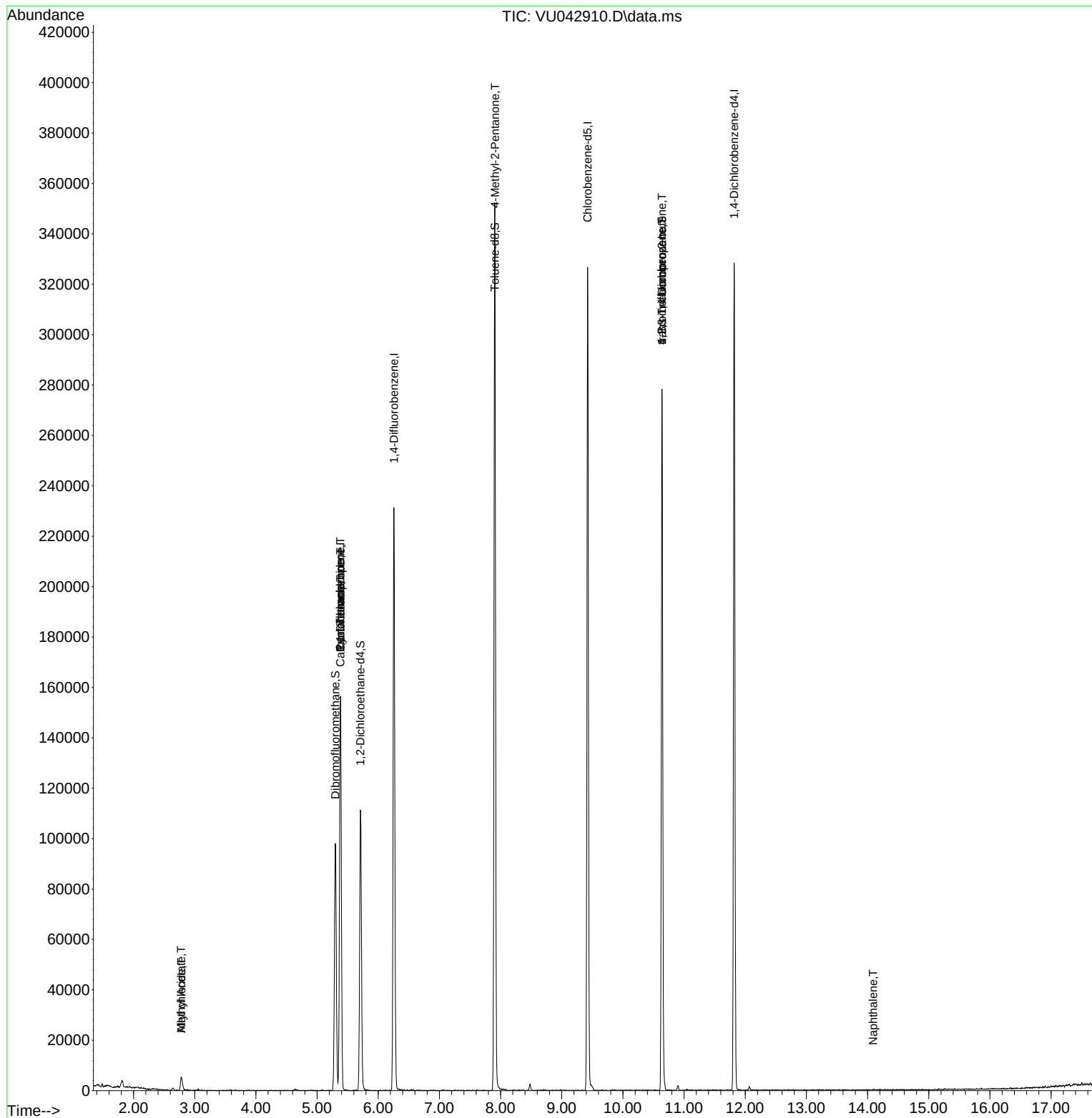
| Compound                      | R.T.   | QIon | Response | Conc       | Units   | Dev(Min) |
|-------------------------------|--------|------|----------|------------|---------|----------|
| -----                         |        |      |          |            |         |          |
| Internal Standards            |        |      |          |            |         |          |
| 1) Pentafluorobenzene         | 5.382  | 168  | 106565   | 50.00      | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.256  | 114  | 172521   | 50.00      | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 9.423  | 117  | 164713   | 50.00      | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.819 | 152  | 82372    | 50.00      | ug/l    | 0.00     |
| System Monitoring Compounds   |        |      |          |            |         |          |
| 33) 1,2-Dichloroethane-d4     | 5.710  | 65   | 86627    | 50.99      | ug/l    | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =          | 101.98% |          |
| 35) Dibromofluoromethane      | 5.298  | 113  | 60835    | 47.25      | ug/l    | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =          | 94.50%  |          |
| 50) Toluene-d8                | 7.906  | 98   | 218193   | 48.17      | ug/l    | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =          | 96.34%  |          |
| 62) 4-Bromofluorobenzene      | 10.639 | 95   | 80336    | 45.64      | ug/l    | 0.00     |
| Spiked Amount 50.000          |        |      | Recovery | =          | 91.28%  |          |
| Target Compounds              |        |      |          |            |         |          |
|                               |        |      |          |            | Qvalue  |          |
| 5) Bromomethane               | 1.867  | 94   | 21       | Below Cal  | #       | 2        |
| 14) Allyl chloride            | 2.784  | 41   | 614      | 0.29 ug/l  | #       | 78       |
| 16) Acetone                   | 2.642  | 43   | 1212     | Below Cal  |         | 98       |
| 18) Methyl Acetate            | 2.777  | 43   | 1916     | 0.98 ug/l  | #       | 56       |
| 31) Cyclohexane               | 5.382  | 56   | 2608     | 1.23 ug/l  | #       | 18       |
| 36) 1,1-Dichloropropene       | 5.382  | 75   | 8904     | 5.22 ug/l  | #       | 50       |
| 38) Carbon Tetrachloride      | 5.379  | 117  | 10633    | 5.46 ug/l  | #       | 17       |
| 51) 4-Methyl-2-Pentanone      | 7.909  | 43   | 1461     | 0.52 ug/l  | #       | 1        |
| 76) 1,2,3-Trichloropropane    | 10.639 | 75   | 46738    | 22.31 ug/l | #       | 37       |
| 81) trans-1,4-Dichloro-2-b... | 10.639 | 75   | 46738    | 66.10 ug/l | #       | 6        |
| 95) Naphthalene               | 14.092 | 128  | 159      | 2.60 ug/l  | #       | 68       |
| -----                         |        |      |          |            |         |          |

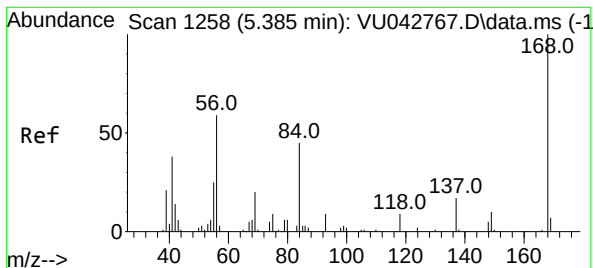
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 03 00:17:14 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

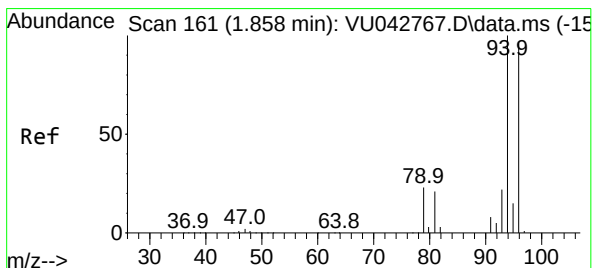
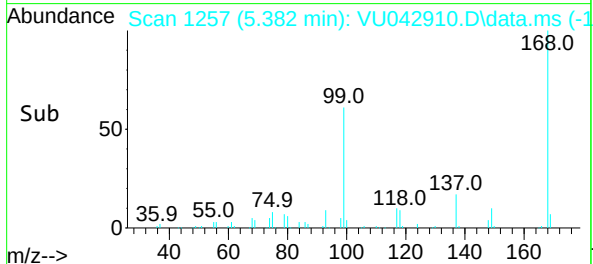
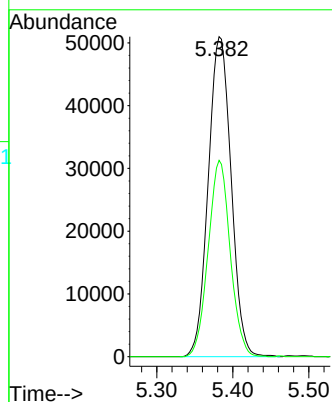
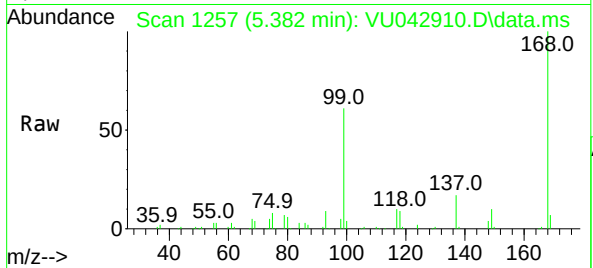




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.382 min Scan# 1257  
Delta R.T. -0.003 min  
Lab File: VU042910.D  
Acq: 02 Apr 2021 20:58

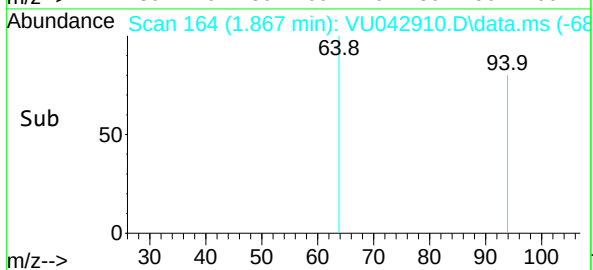
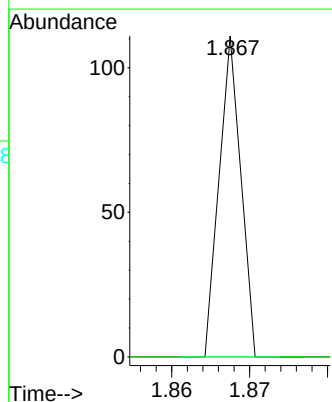
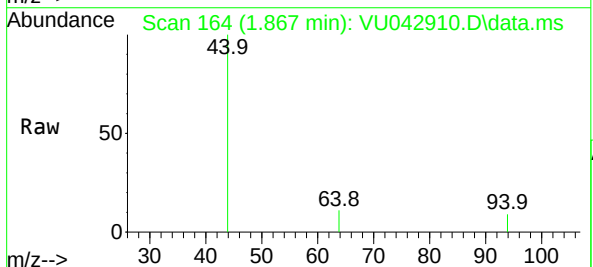
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MSVOA\_U  
ClientSampleId :  
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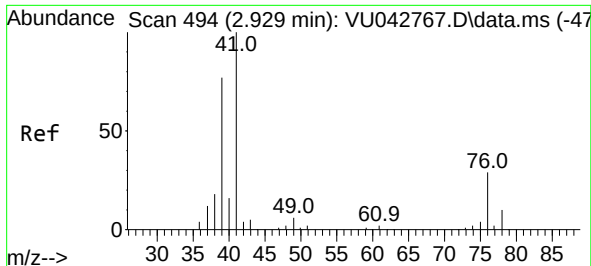
Tgt Ion:168 Resp: 106565  
Ion Ratio Lower Upper  
168 100  
99 61.3 46.4 69.6



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.867 min Scan# 164  
Delta R.T. 0.009 min  
Lab File: VU042910.D  
Acq: 02 Apr 2021 20:58

Tgt Ion: 94 Resp: 21  
Ion Ratio Lower Upper  
94 100  
96 0.0 77.1 115.7#

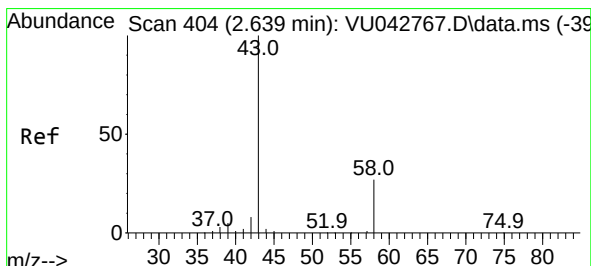
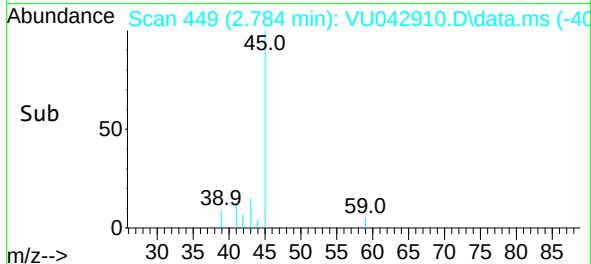
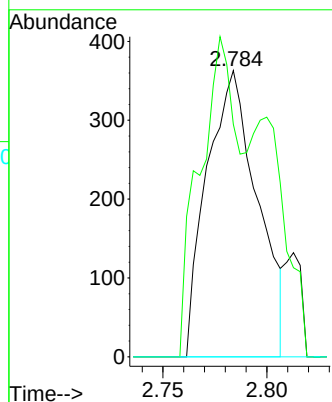
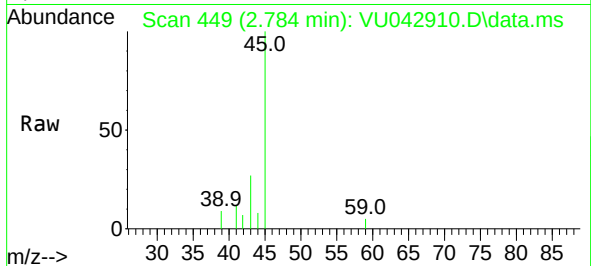




#14  
 Allyl chloride  
 Concen: 0.29 ug/l  
 RT: 2.784 min Scan# 449  
 Delta R.T. -0.145 min  
 Lab File: VU042910.D  
 Acq: 02 Apr 2021 20:58

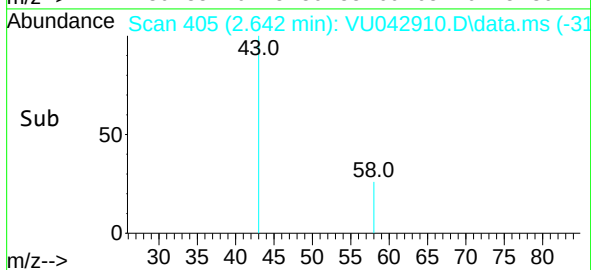
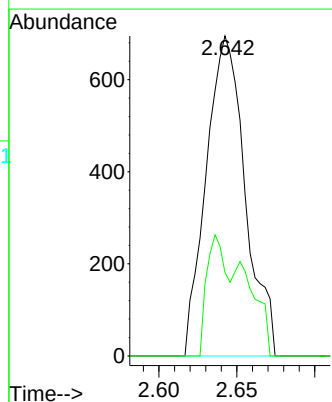
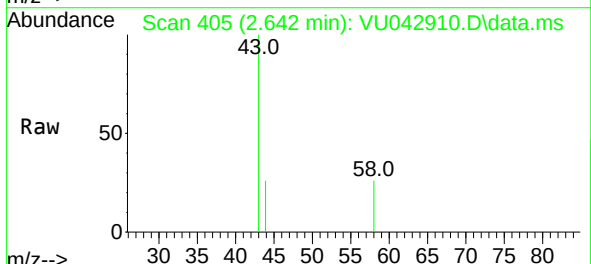
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
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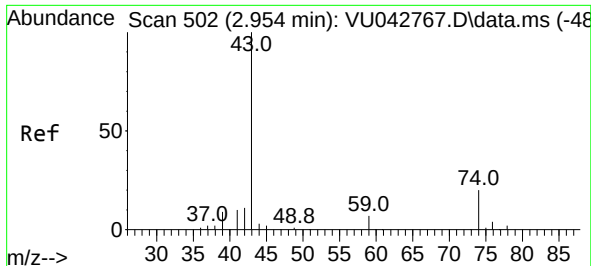
Tgt Ion: 41 Resp: 614  
 Ion Ratio Lower Upper  
 41 100  
 39 80.8 57.4 86.2  
 76 0.0 22.0 33.0#



#16  
 Acetone  
 Concen: Below Cal  
 RT: 2.642 min Scan# 405  
 Delta R.T. 0.003 min  
 Lab File: VU042910.D  
 Acq: 02 Apr 2021 20:58

Tgt Ion: 43 Resp: 1212  
 Ion Ratio Lower Upper  
 43 100  
 58 26.0 21.6 32.4

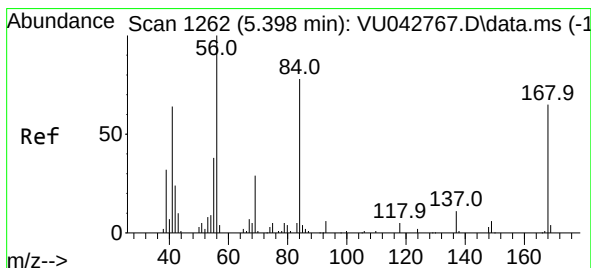
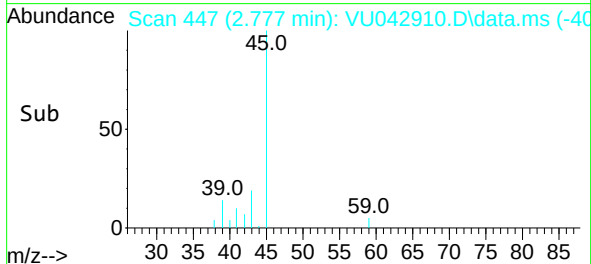
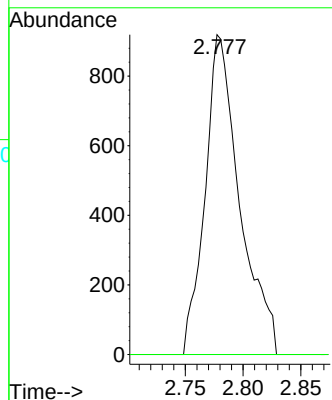
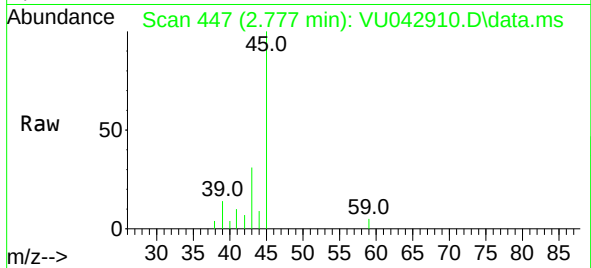




#18  
Methyl Acetate  
Concen: 0.98 ug/l  
RT: 2.777 min Scan# 447  
Delta R.T. -0.177 min  
Lab File: VU042910.D  
Acq: 02 Apr 2021 20:58

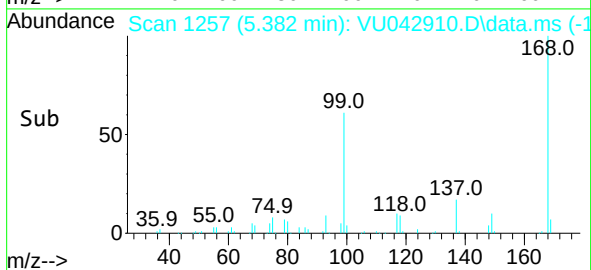
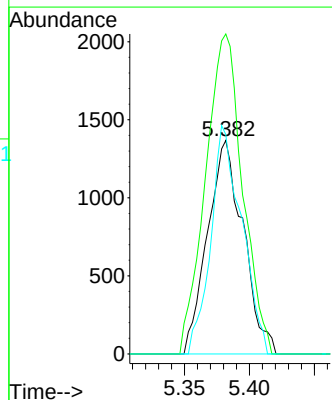
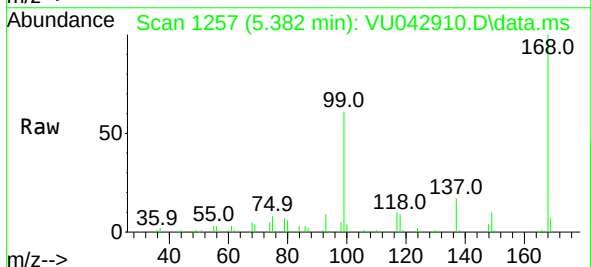
Instrument :  
MSVOA\_U  
ClientSampleId :  
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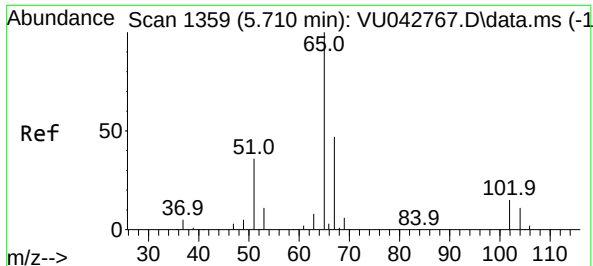
Tgt Ion: 43 Resp: 1916  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.2 24.4#



#31  
Cyclohexane  
Concen: 1.23 ug/l  
RT: 5.382 min Scan# 1257  
Delta R.T. -0.016 min  
Lab File: VU042910.D  
Acq: 02 Apr 2021 20:58

Tgt Ion: 56 Resp: 2608  
Ion Ratio Lower Upper  
56 100  
69 150.0 23.3 34.9#  
84 102.8 62.2 93.4#





#33

1,2-Dichloroethane-d4

Concen: 50.99 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VU042910.D

Acq: 02 Apr 2021 20:58

Tgt Ion: 65 Resp: 86627

Ion Ratio Lower Upper

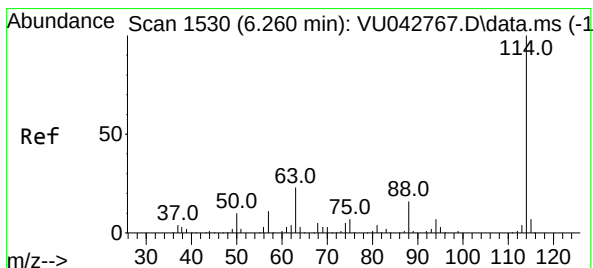
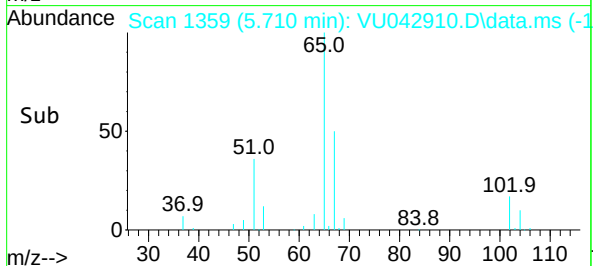
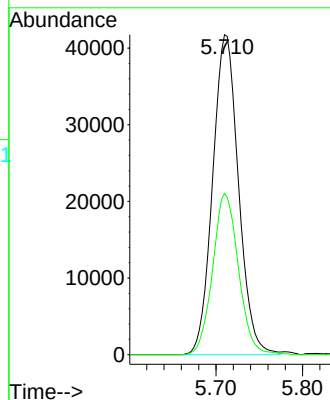
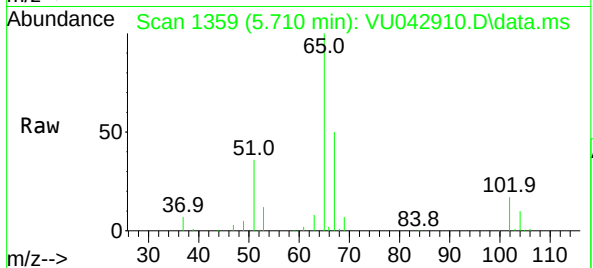
|    |      |     |      |
|----|------|-----|------|
| 65 | 100  |     |      |
| 67 | 50.3 | 0.0 | 98.8 |

Instrument :

MSVOA\_U

ClientSampleId :

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. -0.004 min

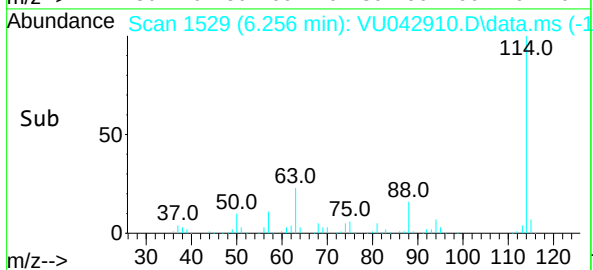
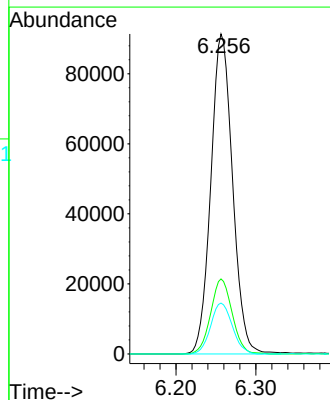
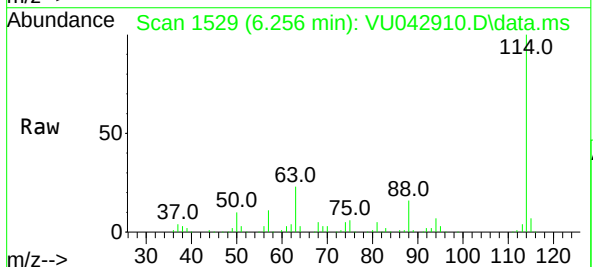
Lab File: VU042910.D

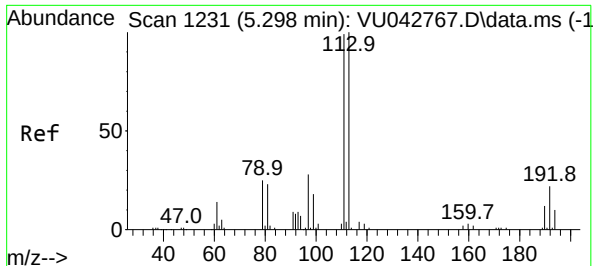
Acq: 02 Apr 2021 20:58

Tgt Ion: 114 Resp: 172521

Ion Ratio Lower Upper

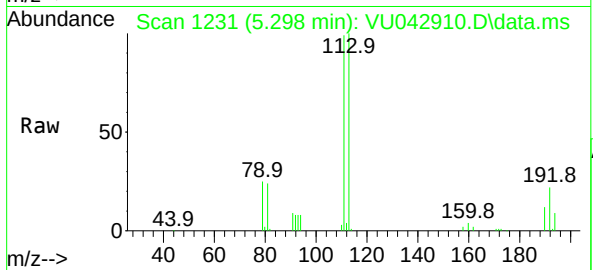
|     |      |     |      |
|-----|------|-----|------|
| 114 | 100  |     |      |
| 63  | 23.4 | 0.0 | 46.8 |
| 88  | 15.9 | 0.0 | 32.2 |



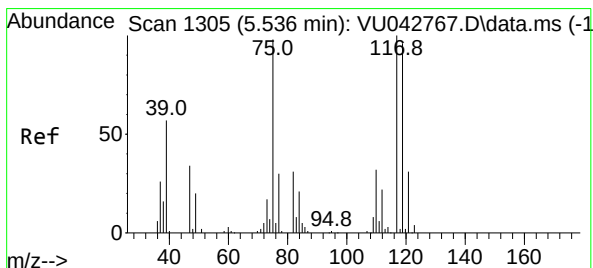
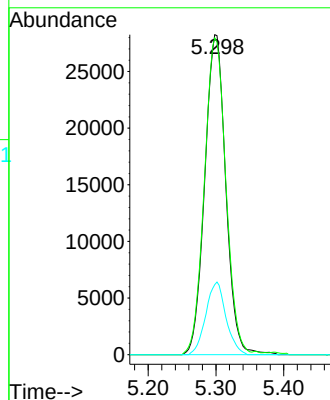
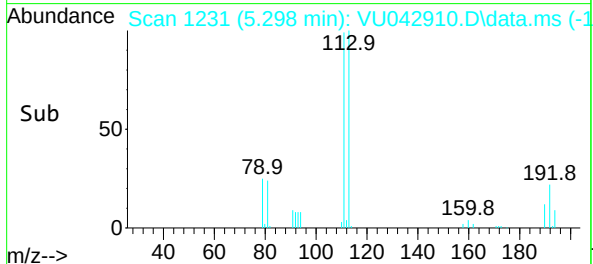


#35  
Dibromofluoromethane  
Concen: 47.25 ug/l  
RT: 5.298 min Scan# 1231  
Delta R.T. -0.000 min  
Lab File: VU042910.D  
Acq: 02 Apr 2021 20:58

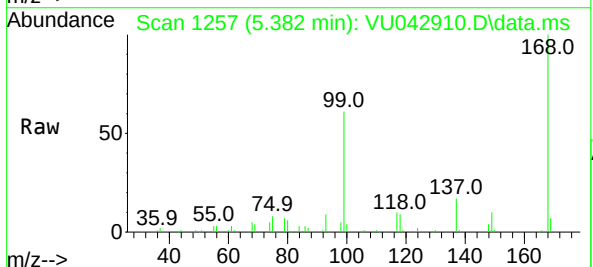
Instrument :  
MSVOA\_U  
ClientSampleId :  
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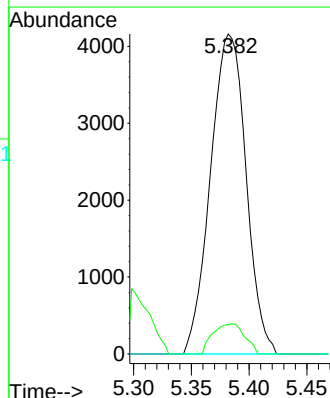
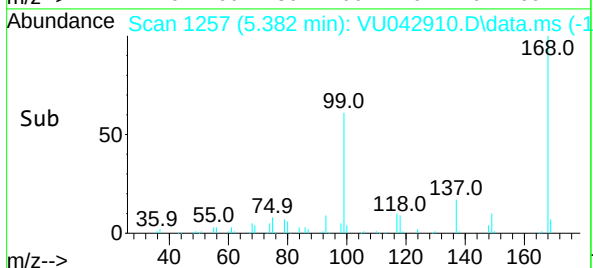
Tgt Ion:113 Resp: 60835  
Ion Ratio Lower Upper  
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111 101.1 82.1 123.1  
192 21.8 17.6 26.4

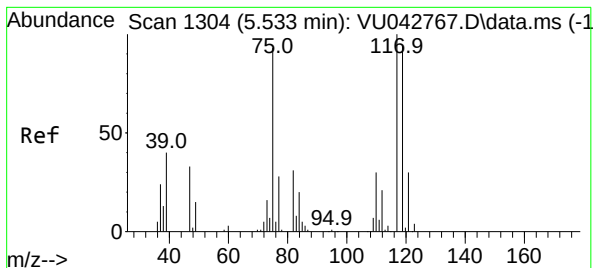


#36  
1,1-Dichloropropene  
Concen: 5.22 ug/l  
RT: 5.382 min Scan# 1257  
Delta R.T. -0.154 min  
Lab File: VU042910.D  
Acq: 02 Apr 2021 20:58



Tgt Ion: 75 Resp: 8904  
Ion Ratio Lower Upper  
75 100  
110 8.4 16.6 49.7#  
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.46 ug/l

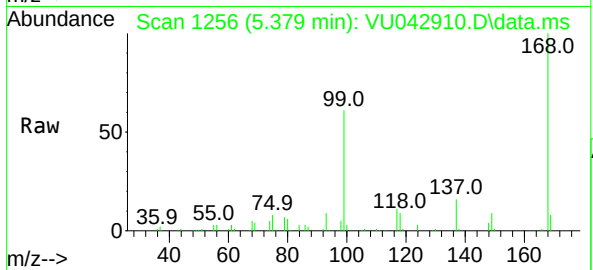
RT: 5.379 min Scan# 1256

Delta R.T. -0.154 min

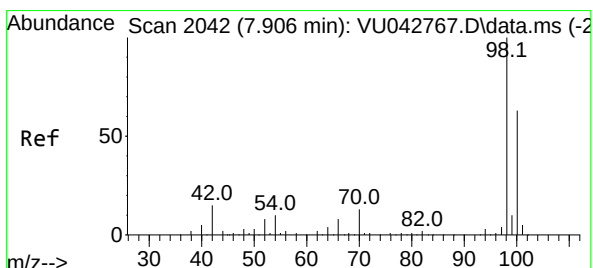
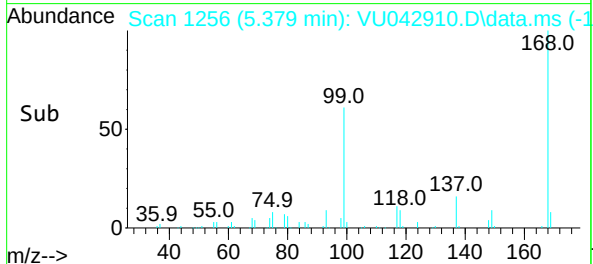
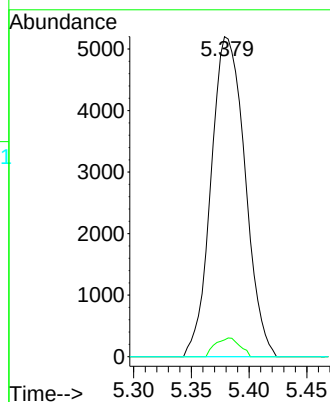
Lab File: VU042910.D

Acq: 02 Apr 2021 20:58

Instrument :  
MSVOA\_U  
ClientSampleId :  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 10633  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 5.2   | 75.2  | 112.8# |
| 121      | 0.0   | 24.2  | 36.4#  |



#50

Toluene-d8

Concen: 48.17 ug/l

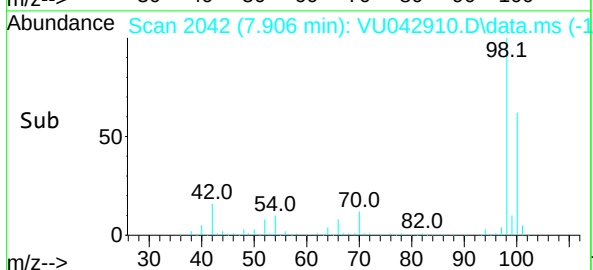
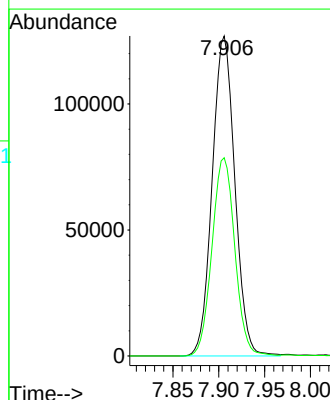
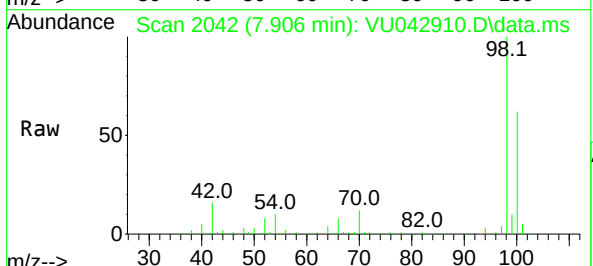
RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

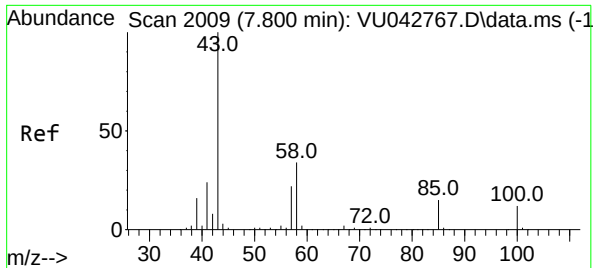
Lab File: VU042910.D

Acq: 02 Apr 2021 20:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 218193 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 62.4  | 50.4  | 75.6   |



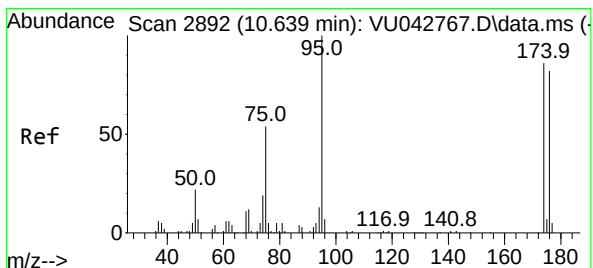
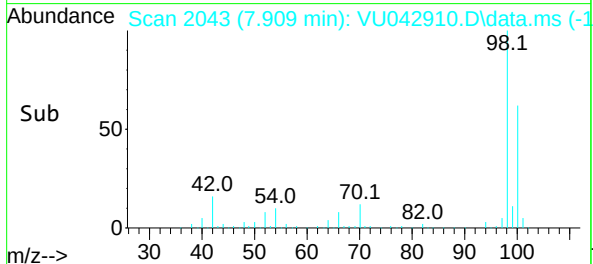
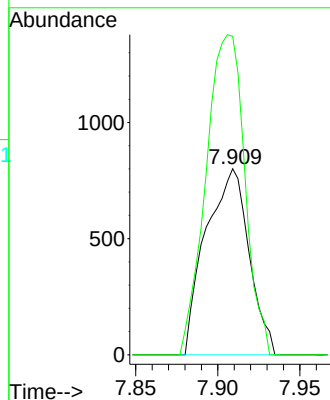
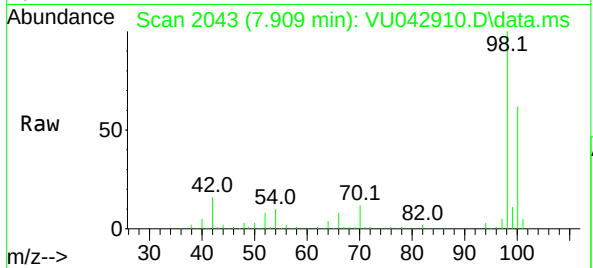




#51  
4-Methyl-2-Pentanone  
Concen: 0.52 ug/l  
RT: 7.909 min Scan# 2043  
Delta R.T. 0.109 min  
Lab File: VU042910.D  
Acq: 02 Apr 2021 20:58

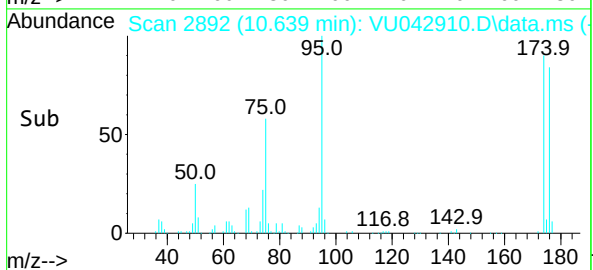
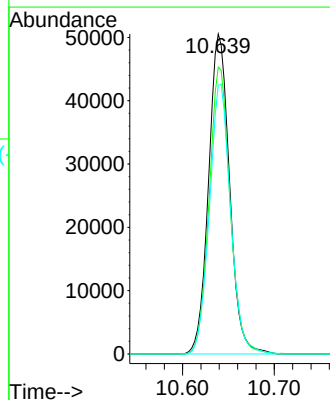
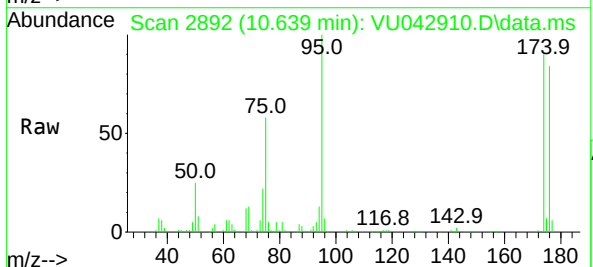
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MSVOA\_U  
ClientSampleId :  
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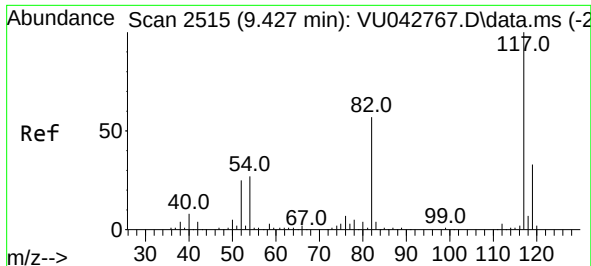
Tgt Ion: 43 Resp: 1461  
Ion Ratio Lower Upper  
43 100  
58 155.1 27.4 41.2#



#62  
4-Bromofluorobenzene  
Concen: 45.64 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. -0.000 min  
Lab File: VU042910.D  
Acq: 02 Apr 2021 20:58

Tgt Ion: 95 Resp: 80336  
Ion Ratio Lower Upper  
95 100  
174 89.6 0.0 175.2  
176 85.3 0.0 167.4

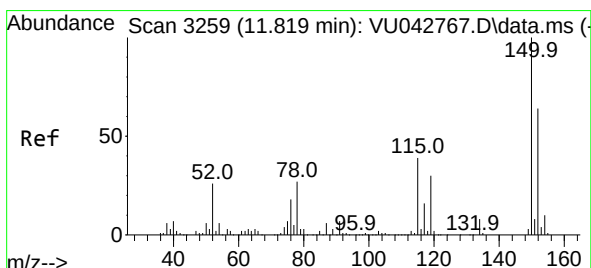
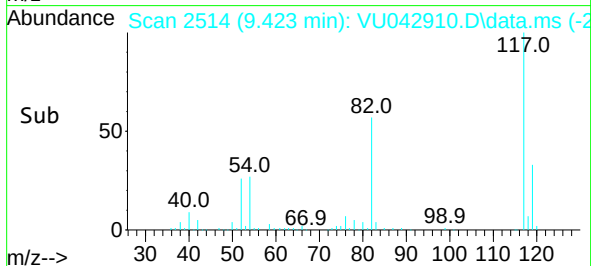
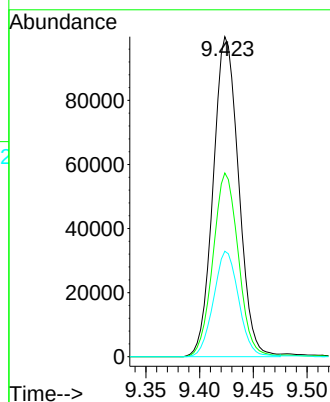
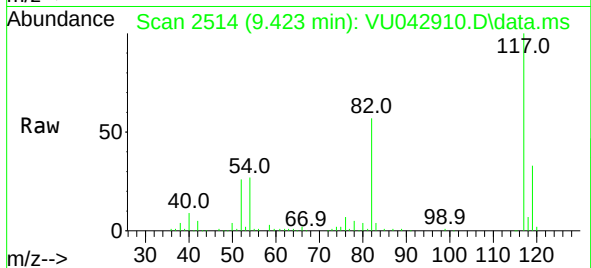




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.423 min Scan# 2514  
Delta R.T. -0.003 min  
Lab File: VU042910.D  
Acq: 02 Apr 2021 20:58

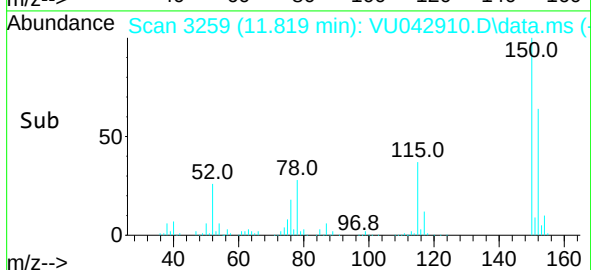
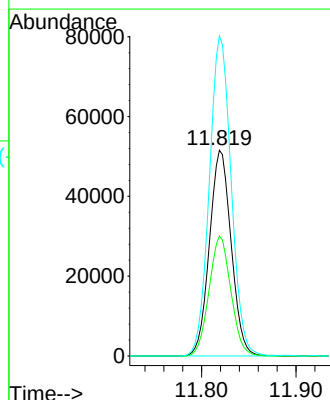
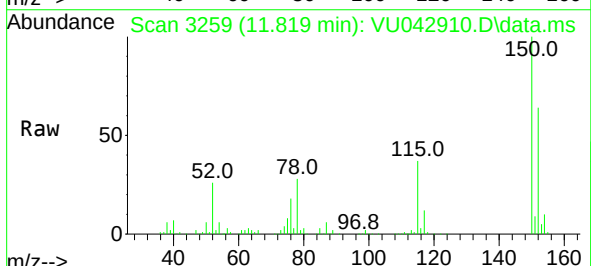
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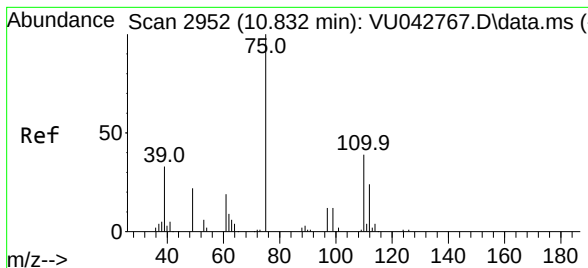
Tgt Ion:117 Resp: 164713  
Ion Ratio Lower Upper  
117 100  
82 57.4 45.5 68.3  
119 33.0 26.2 39.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 11.819 min Scan# 3259  
Delta R.T. -0.000 min  
Lab File: VU042910.D  
Acq: 02 Apr 2021 20:58

Tgt Ion:152 Resp: 82372  
Ion Ratio Lower Upper  
152 100  
115 58.3 41.0 123.0  
150 156.0 0.0 341.0

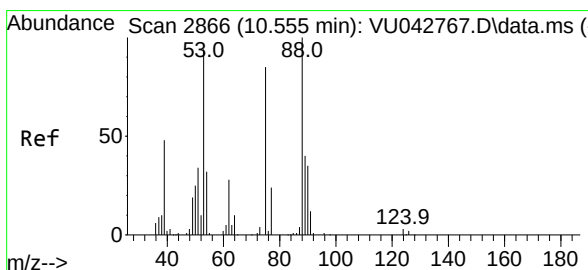
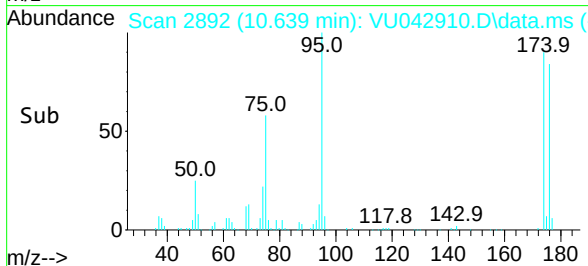
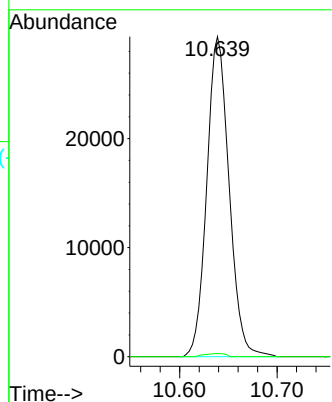
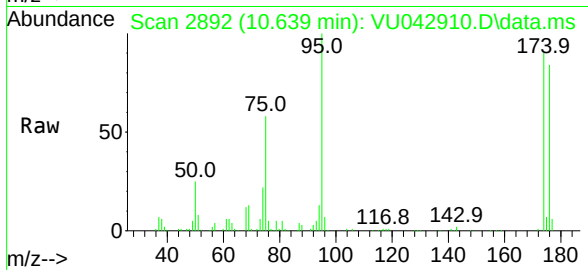




#76  
1,2,3-Trichloropropane  
Concen: 22.31 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. -0.193 min  
Lab File: VU042910.D  
Acq: 02 Apr 2021 20:58

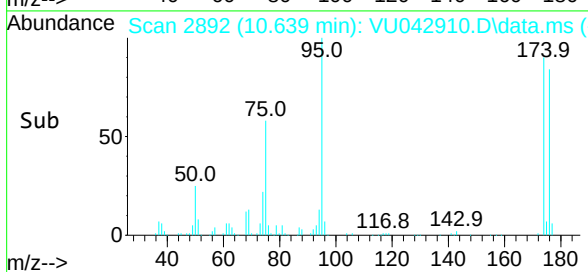
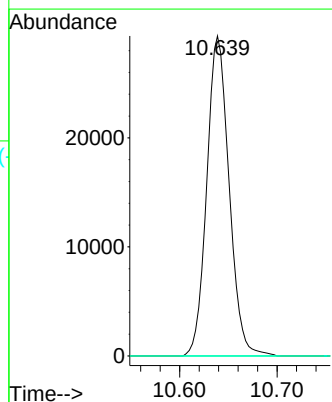
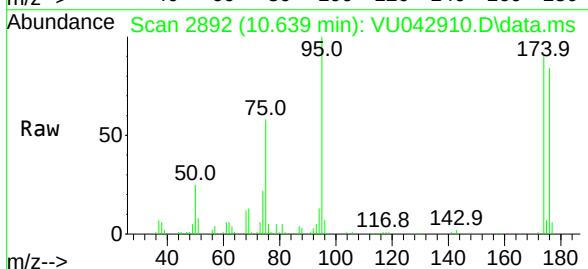
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ClientSampleId :  
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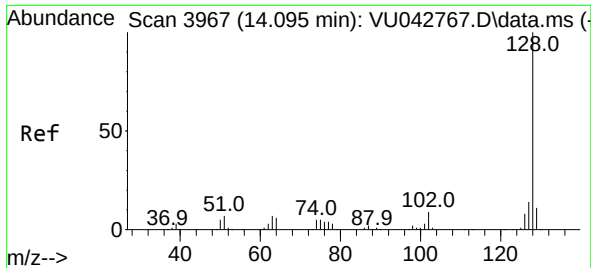
Tgt Ion: 75 Resp: 46738  
Ion Ratio Lower Upper  
75 100  
77 0.9 19.6 58.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 66.10 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. 0.084 min  
Lab File: VU042910.D  
Acq: 02 Apr 2021 20:58

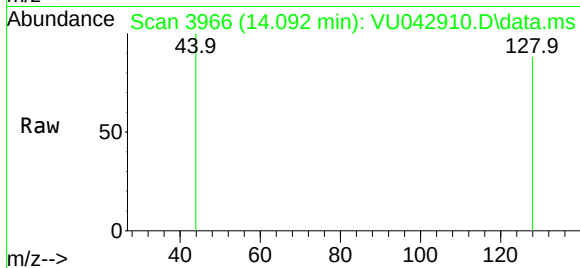
Tgt Ion: 75 Resp: 46738  
Ion Ratio Lower Upper  
75 100  
53 0.0 88.3 132.5#  
89 0.0 35.7 53.5#





#95  
Naphthalene  
Concen: 2.60 ug/l  
RT: 14.092 min Scan# 3966  
Delta R.T. -0.003 min  
Lab File: VU042910.D  
Acq: 02 Apr 2021 20:58

Instrument :  
MSVOA\_U  
ClientSampleId :  
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Tgt Ion:128 Resp: 159  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.9 16.3#  
129 0.0 8.7 13.1#

