

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU110521\  
 Data File : VU045591.D  
 Acq On : 06 Nov 2021 04:25  
 Operator : SY/MD  
 Sample : M4504-03  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 RW8-MW01D1-20211102

Quant Time: Nov 06 21:53:20 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 05 13:35:16 2021  
 Response via : Initial Calibration

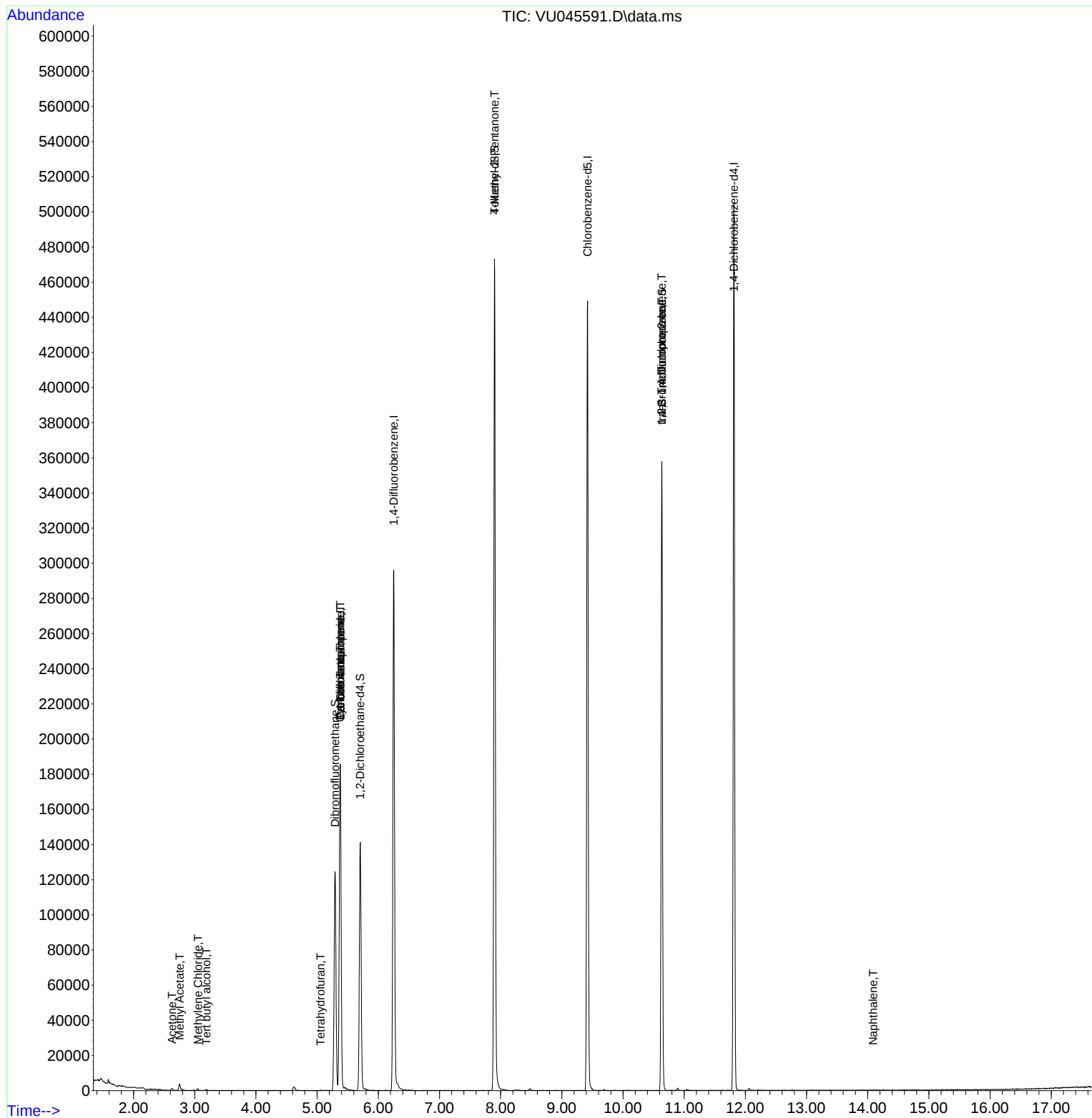
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 5.379          | 168  | 122940              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.253          | 114  | 240048              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 9.420          | 117  | 241623              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 122133              | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.703          | 65   | 104995              | 57.026 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 114.060% |        |        |          |
| 35) Dibromofluoromethane      | 5.292          | 113  | 79588               | 49.660 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 99.320%  |        |        |          |
| 50) Toluene-d8                | 7.899          | 98   | 311103              | 52.203 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 104.400% |        |        |          |
| 62) 4-Bromofluorobenzene      | 10.636         | 95   | 118997              | 49.795 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 99.580%  |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        |        | Qvalue   |
| 11) Tert butyl alcohol        | 3.192          | 59   | 358                 | 0.982  | ug/l # | 72       |
| 16) Acetone                   | 2.630          | 43   | 1306                | 1.393  | ug/l   | 97       |
| 18) Methyl Acetate            | 2.755          | 43   | 1005                | 0.315  | ug/l # | 50       |
| 20) Methylene Chloride        | 3.054          | 84   | 442                 | 0.271  | ug/l # | 79       |
| 29) Tetrahydrofuran           | 5.057          | 42   | 245                 | 0.308  | ug/l # | 30       |
| 31) Cyclohexane               | 5.375          | 56   | 2804                | 1.044  | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.379          | 75   | 10935               | 4.672  | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.379          | 117  | 13502               | 5.722  | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 7.899          | 43   | 1173                | 0.432  | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 10.632         | 75   | 63188               | 17.060 | ug/l # | 42       |
| 81) trans-1,4-Dichloro-2-b... | 10.632         | 75   | 63188               | 55.536 | ug/l # | 12       |
| 95) Naphthalene               | 14.089         | 128  | 168                 | 1.045  | ug/l # | 69       |
| -----                         |                |      |                     |        |        |          |

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

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Sample : M4504-03  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
RW8-MW01D1-20211102

Quant Time: Nov 06 21:53:20 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 05 13:35:16 2021  
Response via : Initial Calibration

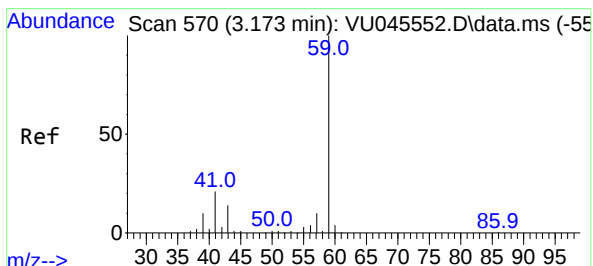
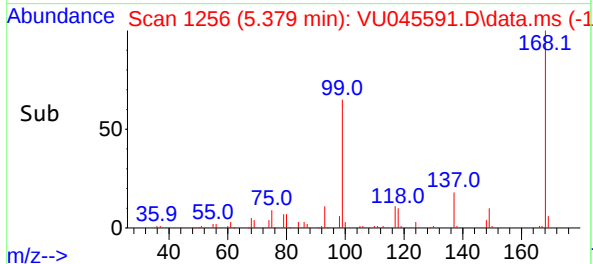
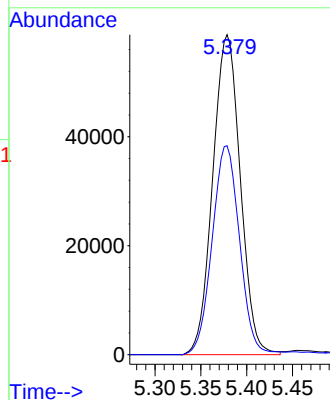
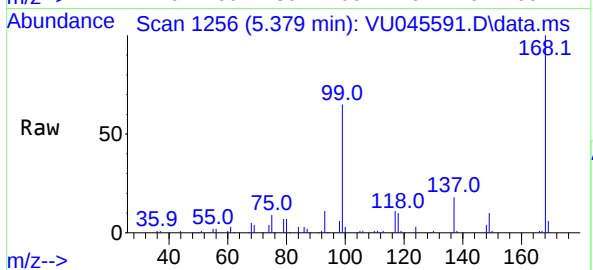




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.379 min Scan# 11  
Delta R.T. 0.004 min  
Lab File: VU045591.D  
Acq: 06 Nov 2021 04:25

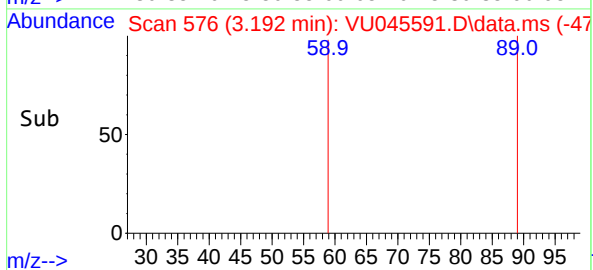
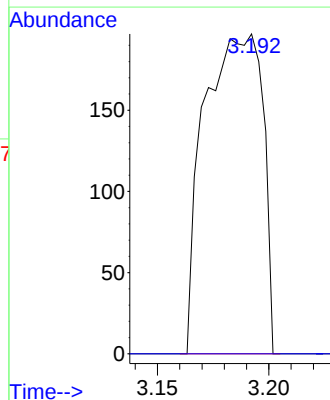
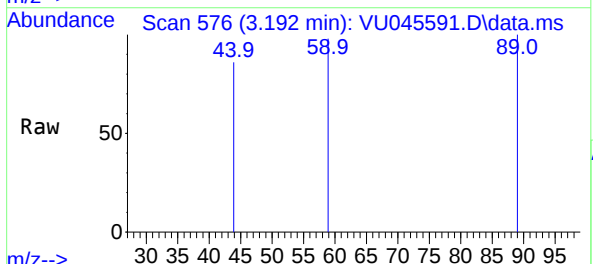
Instrument :  
MSVOA\_U  
ClientSampleId :  
RW8-MW01D1-20211102

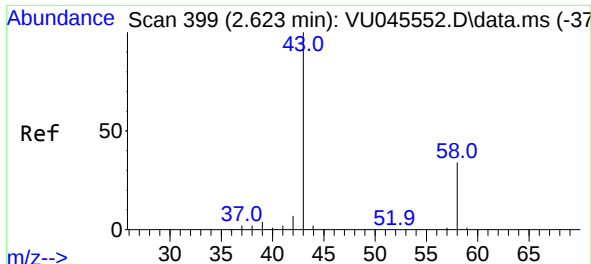
Tgt Ion:168 Resp: 122940  
Ion Ratio Lower Upper  
168 100  
99 65.3 51.0 76.6



#11  
Tert butyl alcohol  
Concen: 0.982 ug/l  
RT: 3.192 min Scan# 576  
Delta R.T. 0.019 min  
Lab File: VU045591.D  
Acq: 06 Nov 2021 04:25

Tgt Ion: 59 Resp: 358  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#





#16

Acetone

Concen: 1.393 ug/l

RT: 2.630 min Scan# 401

Delta R.T. 0.007 min

Lab File: VU045591.D

Acq: 06 Nov 2021 04:25

Instrument :

MSVOA\_U

ClientSampleId :

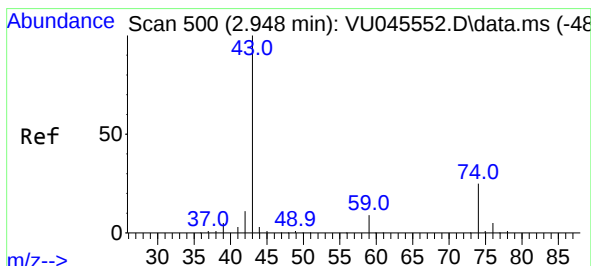
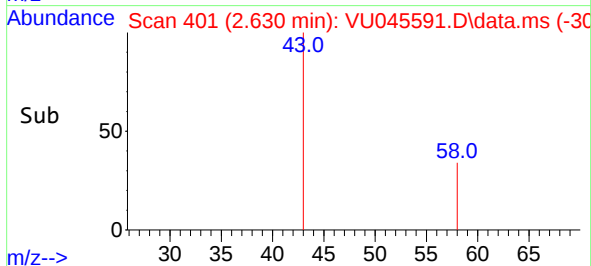
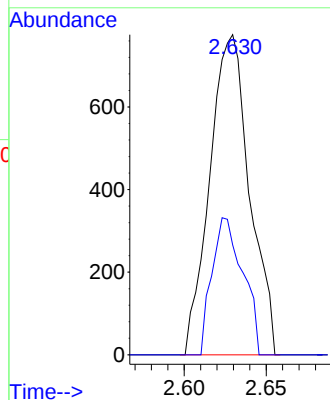
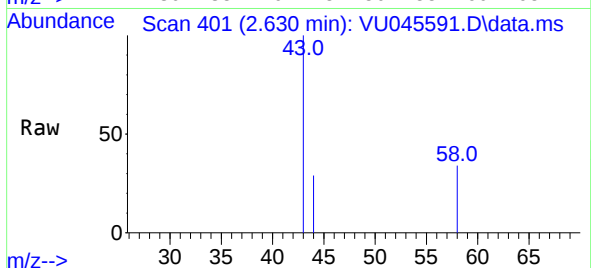
RW8-MW01D1-20211102

Tgt Ion: 43 Resp: 1306

Ion Ratio Lower Upper

43 100

58 34.3 26.2 39.2



#18

Methyl Acetate

Concen: 0.315 ug/l

RT: 2.755 min Scan# 440

Delta R.T. -0.193 min

Lab File: VU045591.D

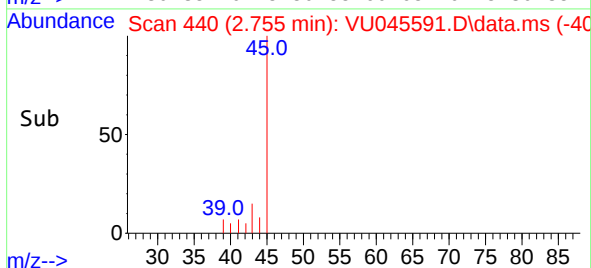
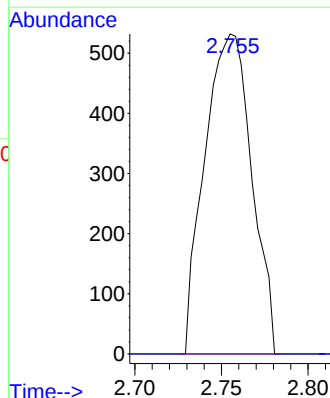
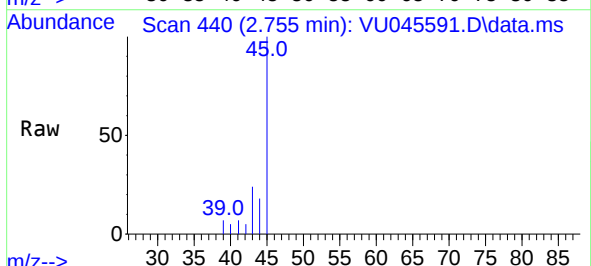
Acq: 06 Nov 2021 04:25

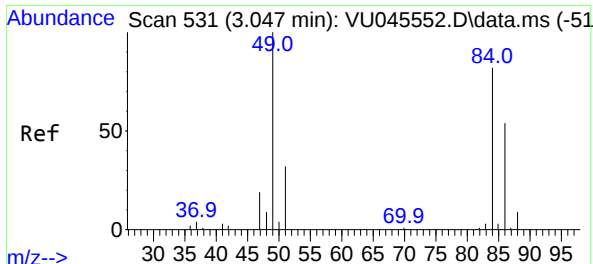
Tgt Ion: 43 Resp: 1005

Ion Ratio Lower Upper

43 100

74 0.0 20.2 30.2#





#20

Methylene Chloride

Concen: 0.271 ug/l

RT: 3.054 min Scan# 51

Delta R.T. 0.007 min

Lab File: VU045591.D

Acq: 06 Nov 2021 04:25

Instrument :

MSVOA\_U

ClientSampleId :

RW8-MW01D1-20211102

Tgt Ion: 84 Resp: 442

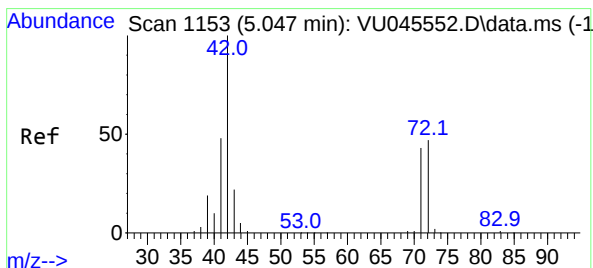
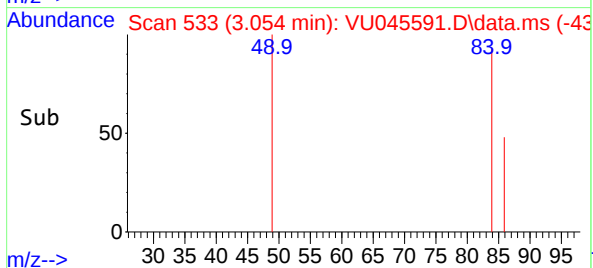
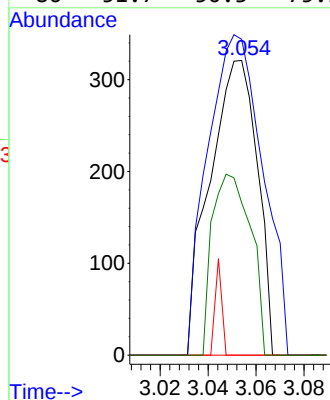
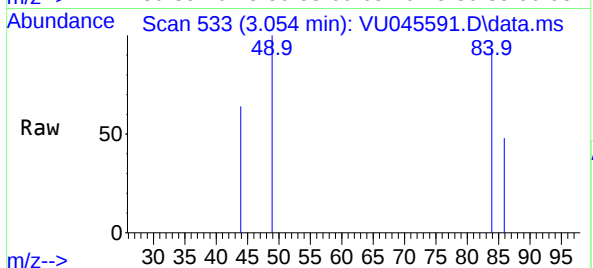
Ion Ratio Lower Upper

84 100

49 107.2 96.4 144.6

51 0.0 30.5 45.7#

86 51.7 50.3 75.5



#29

Tetrahydrofuran

Concen: 0.308 ug/l

RT: 5.057 min Scan# 1156

Delta R.T. 0.010 min

Lab File: VU045591.D

Acq: 06 Nov 2021 04:25

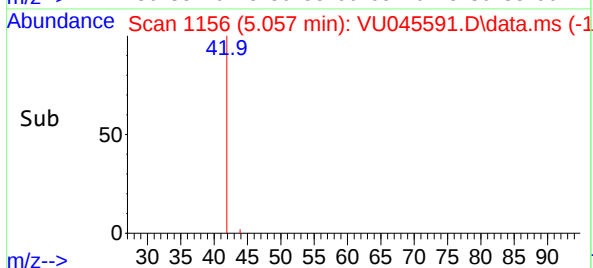
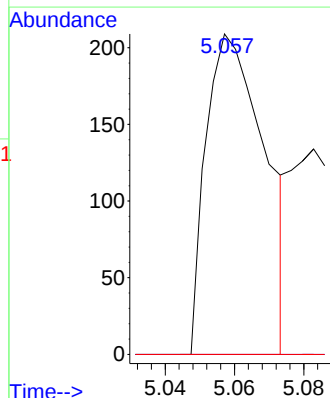
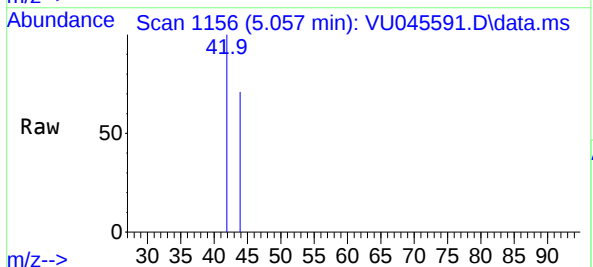
Tgt Ion: 42 Resp: 245

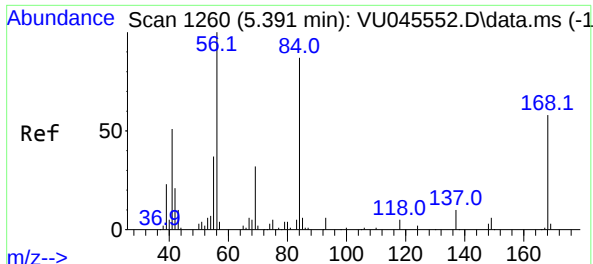
Ion Ratio Lower Upper

42 100

72 0.0 38.2 57.4#

71 0.0 35.4 53.2#

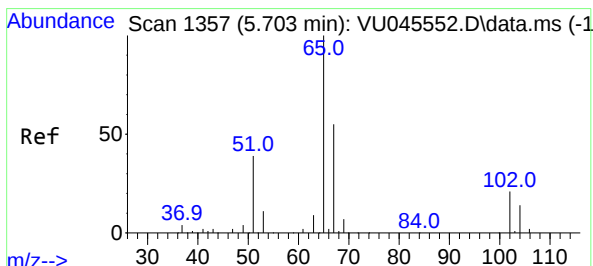
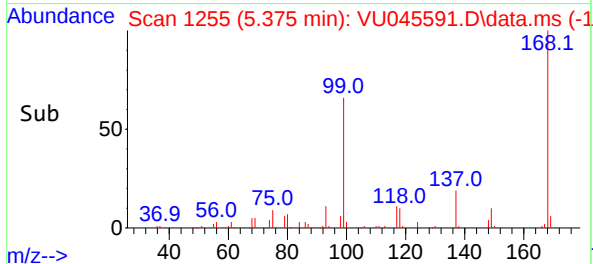
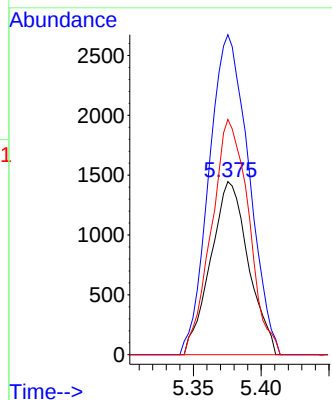
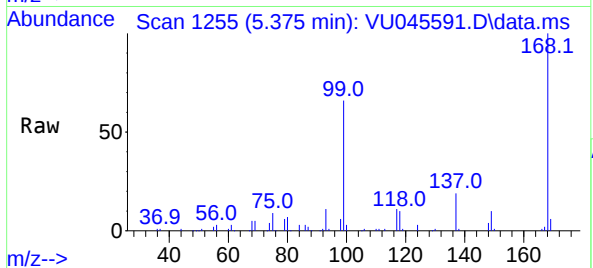




#31  
Cyclohexane  
Concen: 1.044 ug/l  
RT: 5.375 min Scan# 11  
Delta R.T. -0.016 min  
Lab File: VU045591.D  
Acq: 06 Nov 2021 04:25

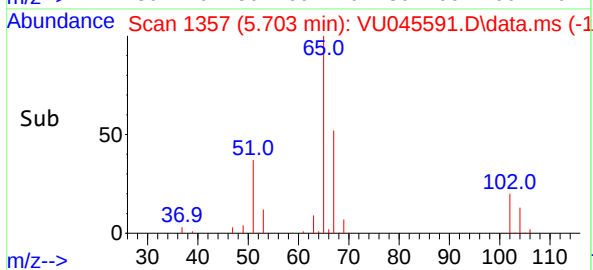
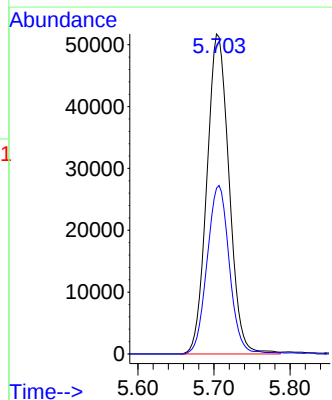
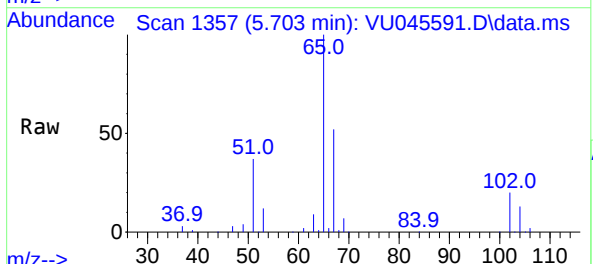
Instrument :  
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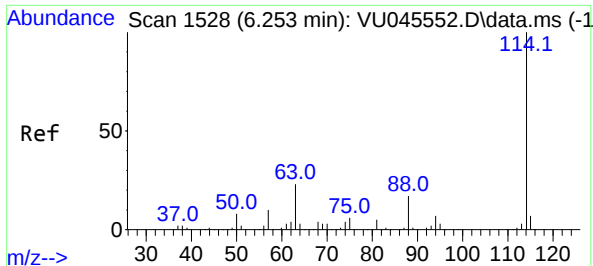
Tgt Ion: 56 Resp: 2804  
Ion Ratio Lower Upper  
56 100  
69 184.8 26.4 39.6#  
84 135.9 68.4 102.6#



#33  
1,2-Dichloroethane-d4  
Concen: 57.026 ug/l  
RT: 5.703 min Scan# 1357  
Delta R.T. 0.000 min  
Lab File: VU045591.D  
Acq: 06 Nov 2021 04:25

Tgt Ion: 65 Resp: 104995  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 114

Delta R.T. 0.000 min

Lab File: VU045591.D

Acq: 06 Nov 2021 04:25

Instrument :

MSVOA\_U

ClientSampleId :

RW8-MW01D1-20211102

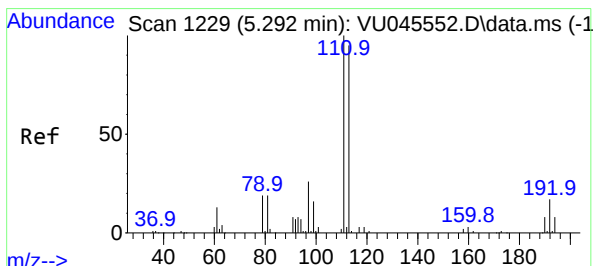
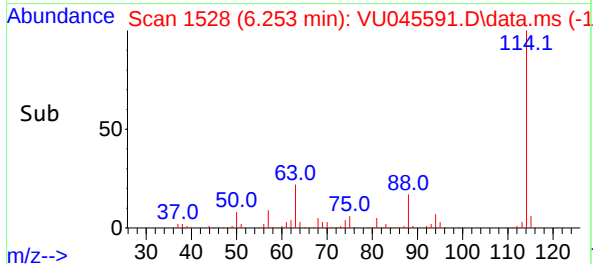
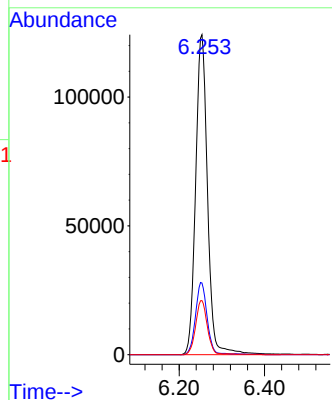
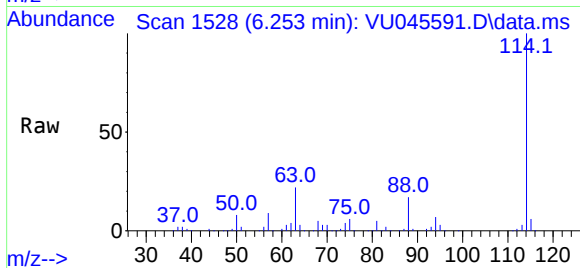
Tgt Ion:114 Resp: 240048

Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.6

88 16.9 0.0 33.8



#35

Dibromofluoromethane

Concen: 49.660 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. 0.000 min

Lab File: VU045591.D

Acq: 06 Nov 2021 04:25

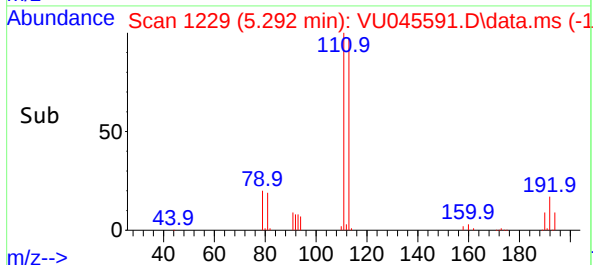
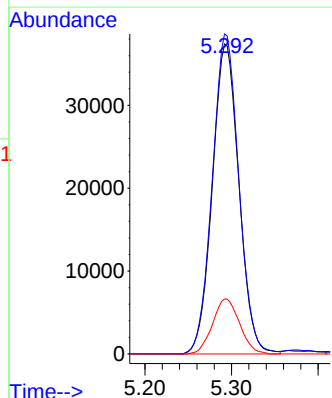
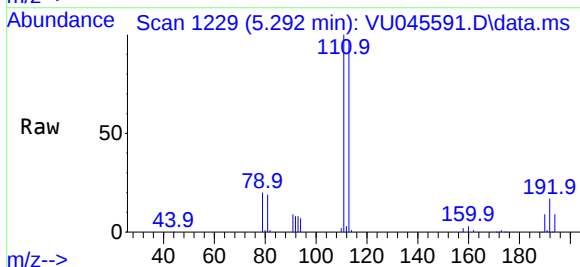
Tgt Ion:113 Resp: 79588

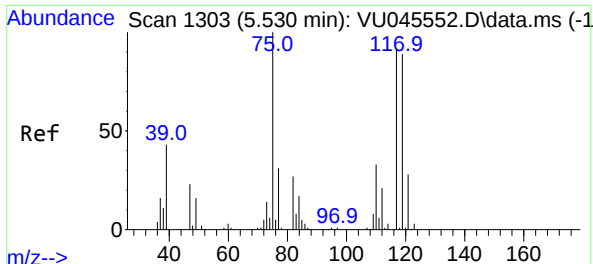
Ion Ratio Lower Upper

113 100

111 103.1 82.8 124.2

192 18.1 14.8 22.2

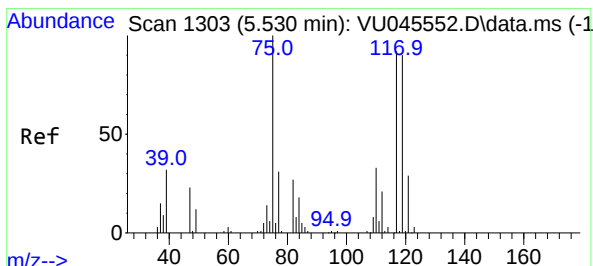
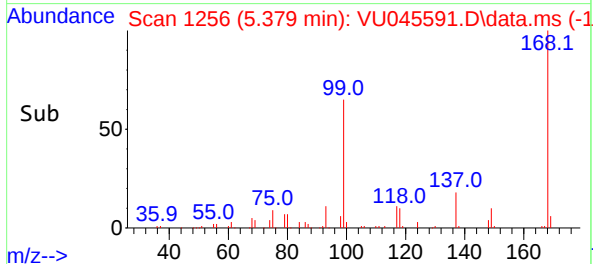
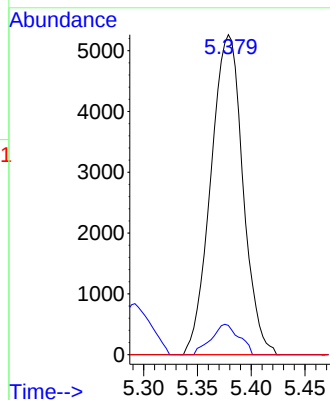
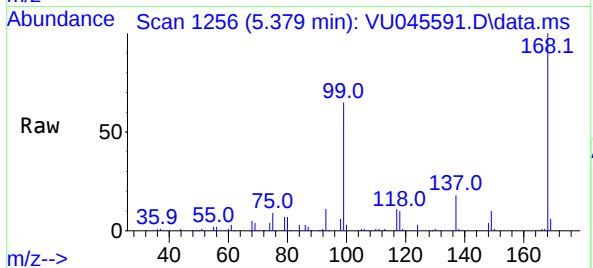




#36  
1,1-Dichloropropene  
Concen: 4.672 ug/l  
RT: 5.379 min Scan# 1256  
Delta R.T. -0.151 min  
Lab File: VU045591.D  
Acq: 06 Nov 2021 04:25

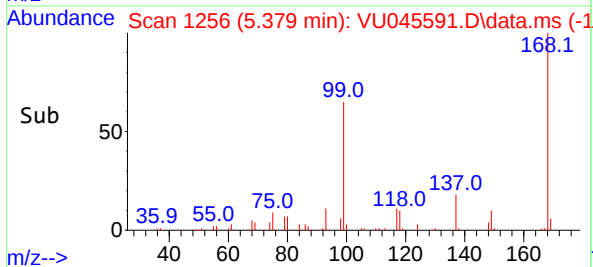
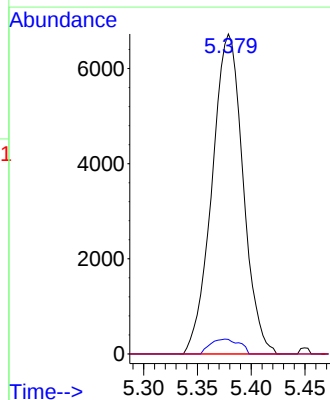
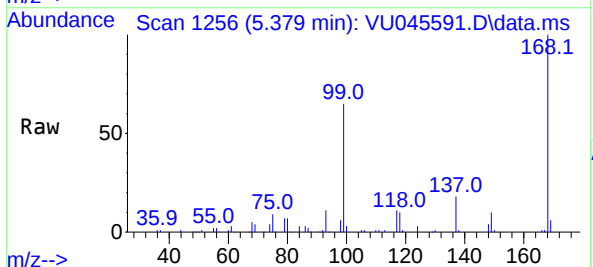
Instrument : MSVOA\_U  
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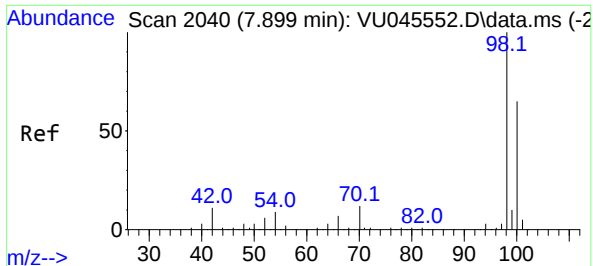
Tgt Ion: 75 Resp: 10935  
Ion Ratio Lower Upper  
75 100  
110 8.3 16.7 50.0#  
77 0.0 25.0 37.4#



#38  
Carbon Tetrachloride  
Concen: 5.722 ug/l  
RT: 5.379 min Scan# 1256  
Delta R.T. -0.151 min  
Lab File: VU045591.D  
Acq: 06 Nov 2021 04:25

Tgt Ion:117 Resp: 13502  
Ion Ratio Lower Upper  
117 100  
119 4.5 77.4 116.0#  
121 0.0 24.8 37.2#

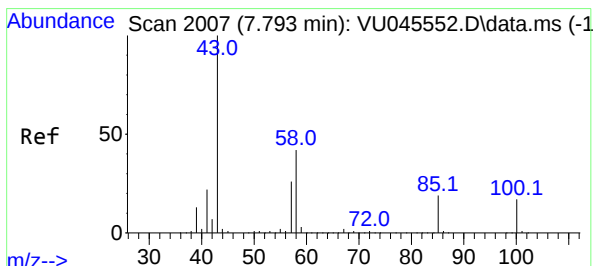
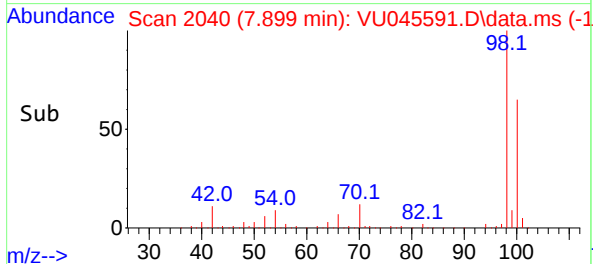
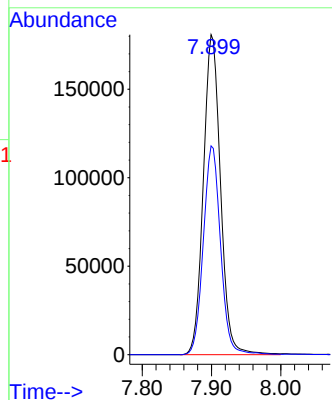
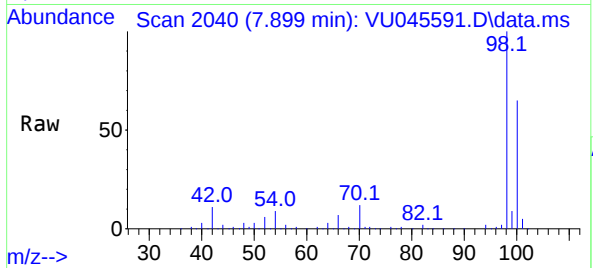




#50  
Toluene-d8  
Concen: 52.203 ug/l  
RT: 7.899 min Scan# 2040  
Delta R.T. 0.000 min  
Lab File: VU045591.D  
Acq: 06 Nov 2021 04:25

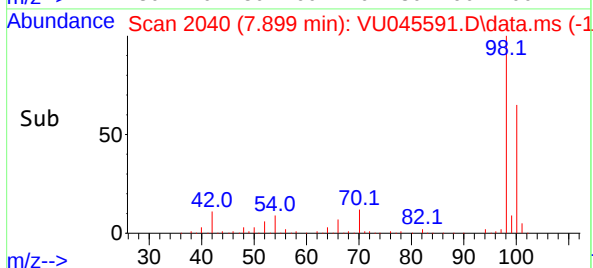
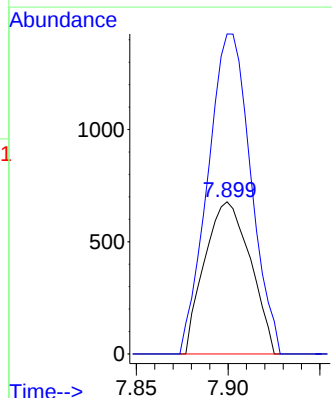
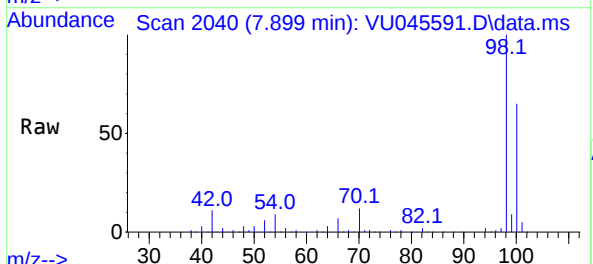
Instrument :  
MSVOA\_U  
ClientSampleId :  
RW8-MW01D1-20211102

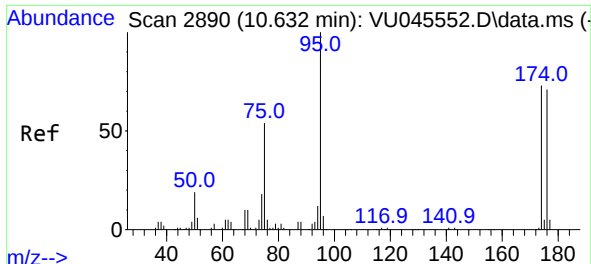
Tgt Ion: 98 Resp: 311103  
Ion Ratio Lower Upper  
98 100  
100 65.4 52.5 78.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.432 ug/l  
RT: 7.899 min Scan# 2040  
Delta R.T. 0.106 min  
Lab File: VU045591.D  
Acq: 06 Nov 2021 04:25

Tgt Ion: 43 Resp: 1173  
Ion Ratio Lower Upper  
43 100  
58 198.0 33.8 50.8#

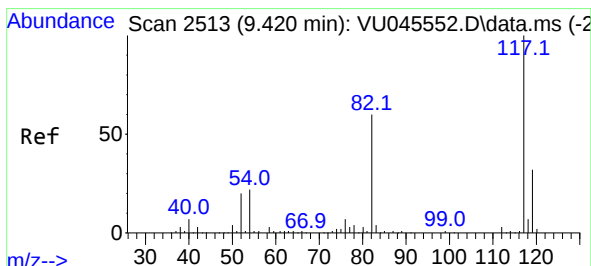
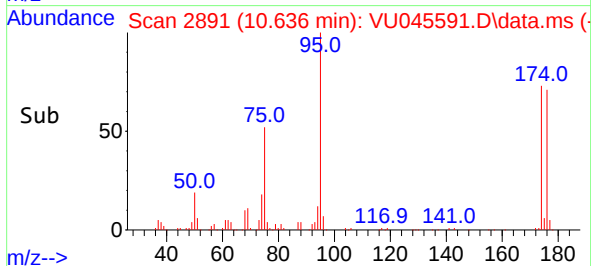
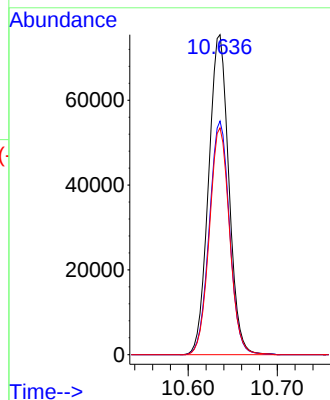
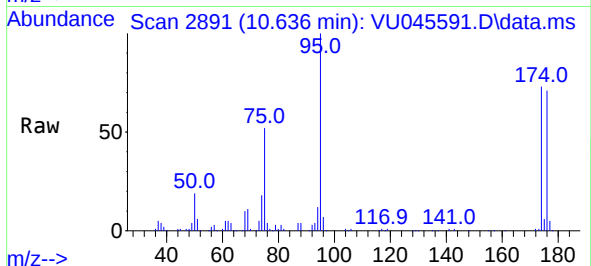




#62  
4-Bromofluorobenzene  
Concen: 49.795 ug/l  
RT: 10.636 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU045591.D  
Acq: 06 Nov 2021 04:25

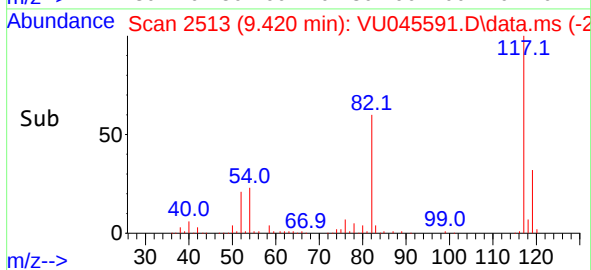
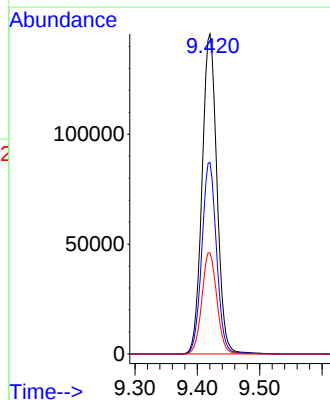
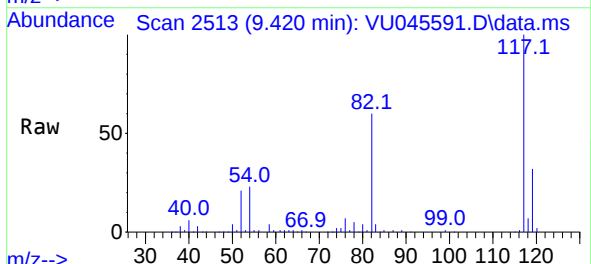
Instrument :  
MSVOA\_U  
ClientSampleId :  
RW8-MW01D1-20211102

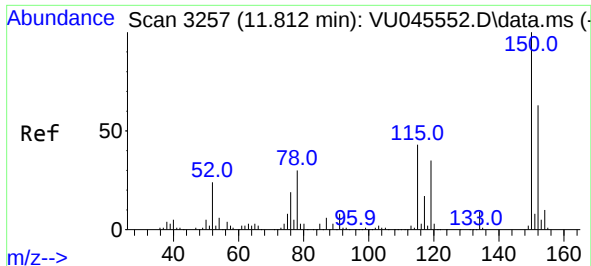
Tgt Ion: 95 Resp: 118997  
Ion Ratio Lower Upper  
95 100  
174 73.1 0.0 141.8  
176 70.5 0.0 138.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.420 min Scan# 2513  
Delta R.T. 0.000 min  
Lab File: VU045591.D  
Acq: 06 Nov 2021 04:25

Tgt Ion: 117 Resp: 241623  
Ion Ratio Lower Upper  
117 100  
82 59.9 47.8 71.8  
119 31.6 25.8 38.8

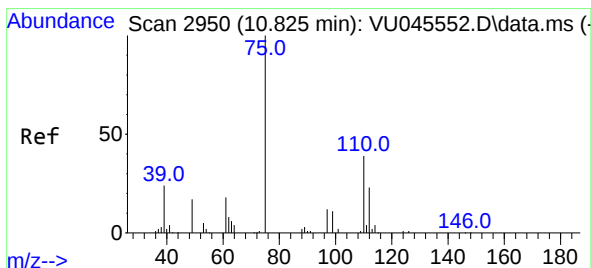
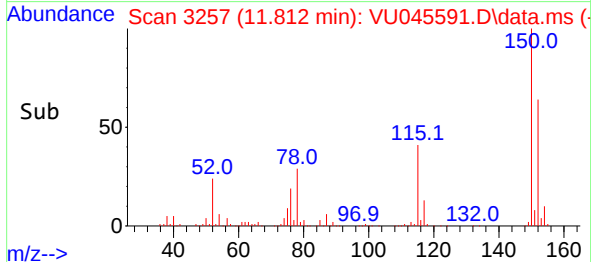
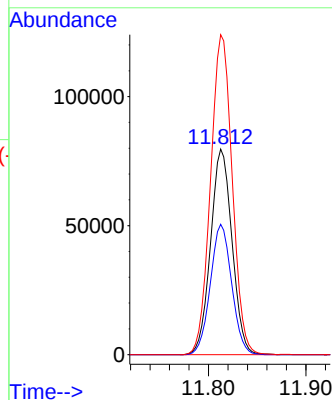
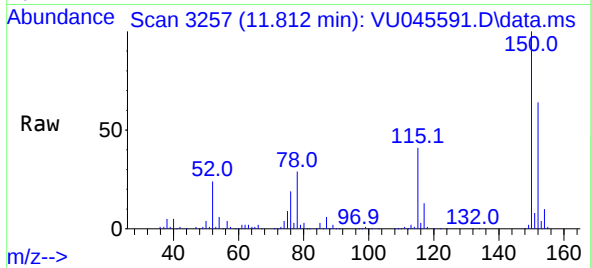




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.812 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU045591.D  
Acq: 06 Nov 2021 04:25

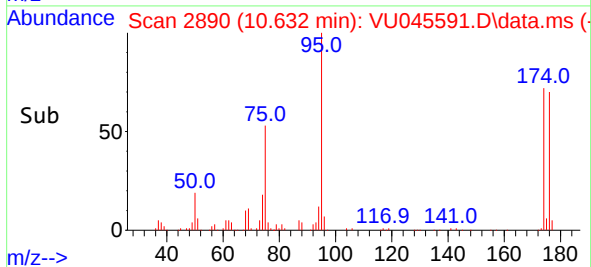
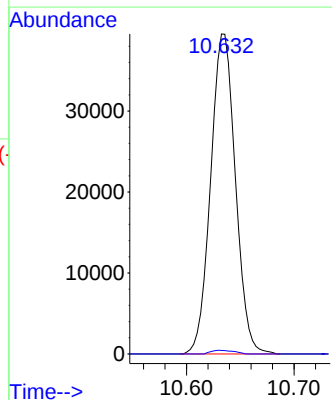
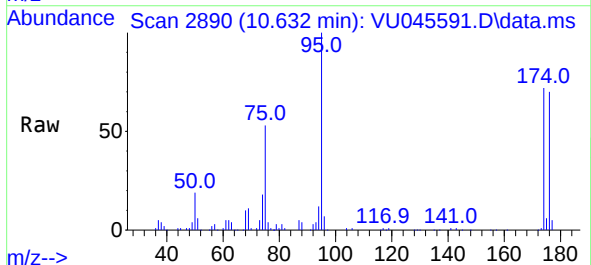
Instrument :  
MSVOA\_U  
ClientSampleId :  
RW8-MW01D1-20211102

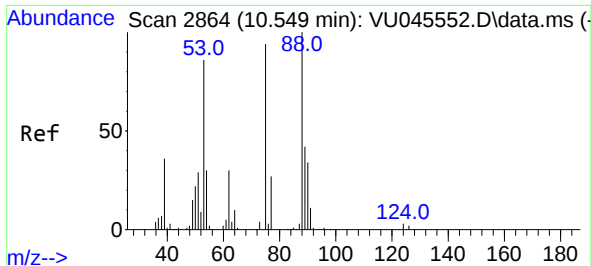
Tgt Ion:152 Resp: 122133  
Ion Ratio Lower Upper  
152 100  
115 62.9 42.7 128.1  
150 157.1 0.0 346.8



#76  
1,2,3-Trichloropropane  
Concen: 17.060 ug/l  
RT: 10.632 min Scan# 2890  
Delta R.T. -0.193 min  
Lab File: VU045591.D  
Acq: 06 Nov 2021 04:25

Tgt Ion: 75 Resp: 63188  
Ion Ratio Lower Upper  
75 100  
77 1.1 17.1 51.3#

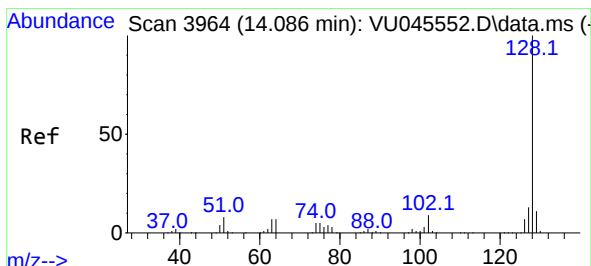
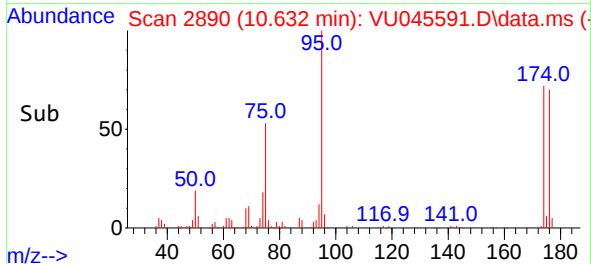
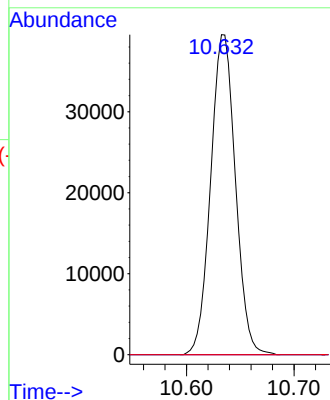
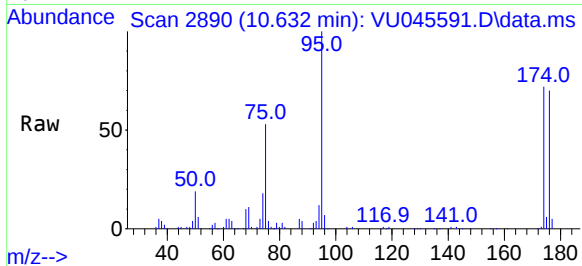




#81  
trans-1,4-Dichloro-2-butene  
Concen: 55.536 ug/l  
RT: 10.632 min Scan# 21  
Delta R.T. 0.083 min  
Lab File: VU045591.D  
Acq: 06 Nov 2021 04:25

Instrument :  
MSVOA\_U  
ClientSampleId :  
RW8-MW01D1-20211102

Tgt Ion: 75 Resp: 63188  
Ion Ratio Lower Upper  
75 100  
53 0.0 76.2 114.4#  
89 0.0 34.0 51.0#



#95  
Naphthalene  
Concen: 1.045 ug/l  
RT: 14.089 min Scan# 3965  
Delta R.T. 0.003 min  
Lab File: VU045591.D  
Acq: 06 Nov 2021 04:25

Tgt Ion:128 Resp: 168  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.6 15.8#  
129 0.0 8.6 13.0#

