

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111221\  
 Data File : VU045767.D  
 Acq On : 12 Nov 2021 14:25  
 Operator : SY/MD  
 Sample : M4668-04  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BP-VPB-RW9-DUP-20211109

Quant Time: Nov 15 05:19:55 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

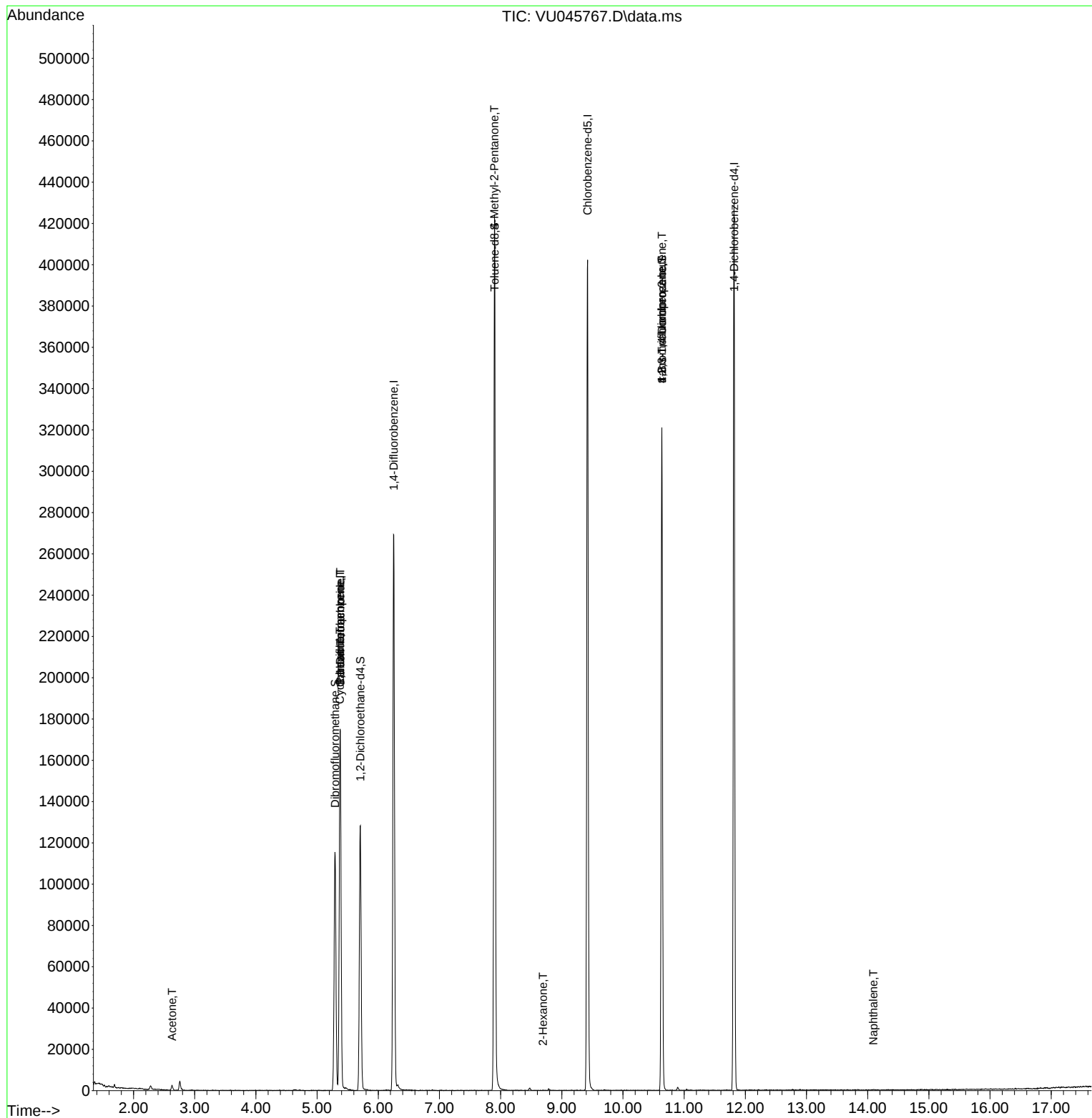
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.376  | 168   | 114476   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.253  | 114   | 212394   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 9.420  | 117   | 219967   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.816 | 152   | 109750   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.707  | 65    | 95555    | 55.736   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | = 111.480% |          |
| 35) Dibromofluoromethane      | 5.292  | 113   | 73496    | 51.829   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 103.660% |          |
| 50) Toluene-d8                | 7.900  | 98    | 281607   | 53.406   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | = 106.820% |          |
| 62) 4-Bromofluorobenzene      | 10.636 | 95    | 106167   | 50.210   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 100.420% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 16) Acetone                   | 2.630  | 43    | 2590     | 2.968    | ug/l #     | 85       |
| 31) Cyclohexane               | 5.372  | 56    | 2556     | 1.022    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.376  | 75    | 10077    | 4.866    | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 5.379  | 117   | 12332    | 5.906    | ug/l #     | 15       |
| 51) 4-Methyl-2-Pentanone      | 7.896  | 43    | 1164     | 0.485    | ug/l #     | 1        |
| 59) 2-Hexanone                | 8.691  | 43    | 107      | 7.585    | ug/l #     | 21       |
| 76) 1,2,3-Trichloropropane    | 10.636 | 75    | 56302    | 16.916   | ug/l #     | 43       |
| 81) trans-1,4-Dichloro-2-b... | 10.636 | 75    | 56302    | 55.093   | ug/l #     | 12       |
| 95) Naphthalene               | 14.092 | 128   | 280      | 1.060    | ug/l #     | 69       |
| -----                         |        |       |          |          |            |          |

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

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BP-VPB-RW9-DUP-20211109

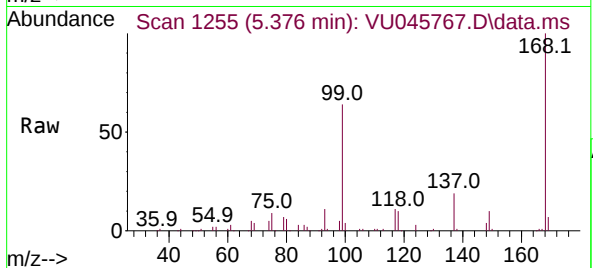
Quant Time: Nov 15 05:19:55 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 05 13:35:16 2021  
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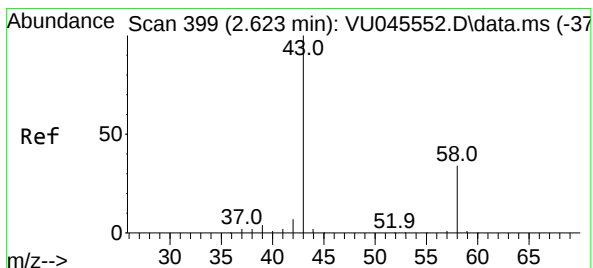
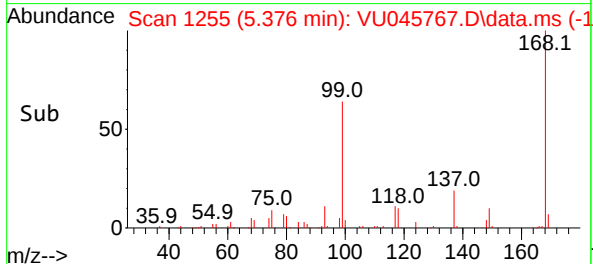
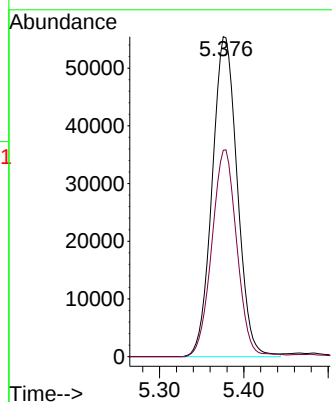


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.376 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VU045767.D  
Acq: 12 Nov 2021 14:25

Instrument :  
MSVOA\_U  
ClientSampleId :  
BP-VPB-RW9-DUP-20211109

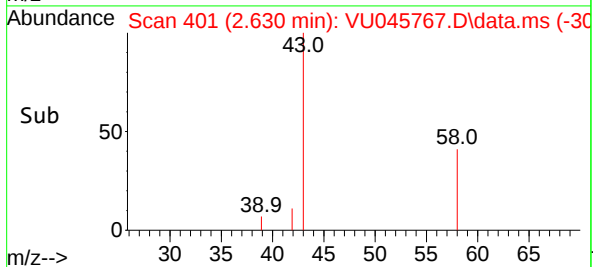
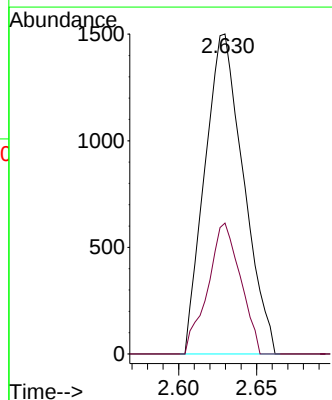
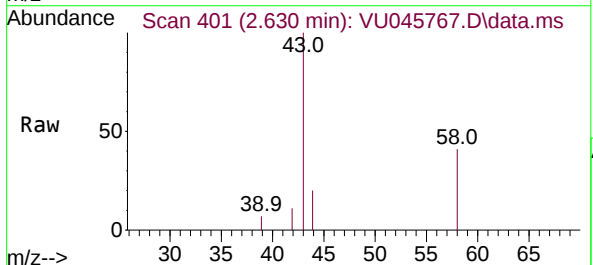


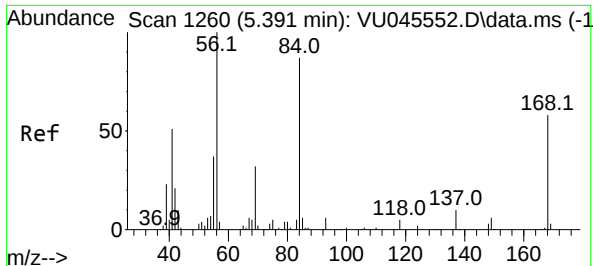
Tgt Ion:168 Resp: 114476  
Ion Ratio Lower Upper  
168 100  
99 64.5 51.0 76.6



#16  
Acetone  
Concen: 2.968 ug/l  
RT: 2.630 min Scan# 401  
Delta R.T. 0.007 min  
Lab File: VU045767.D  
Acq: 12 Nov 2021 14:25

Tgt Ion: 43 Resp: 2590  
Ion Ratio Lower Upper  
43 100  
58 40.9 26.2 39.2#

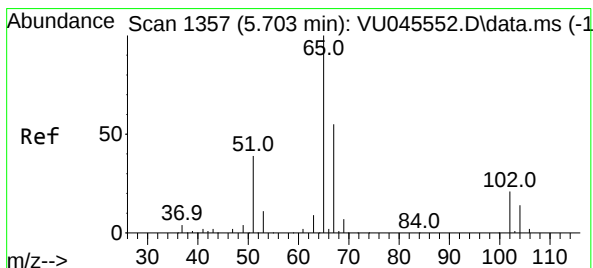
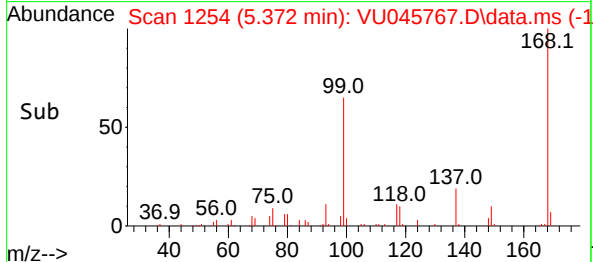
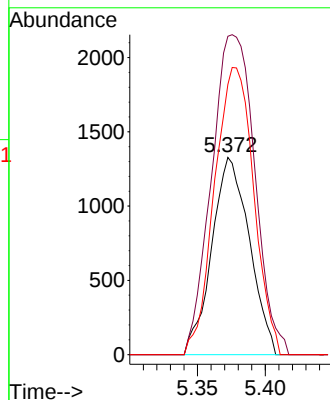
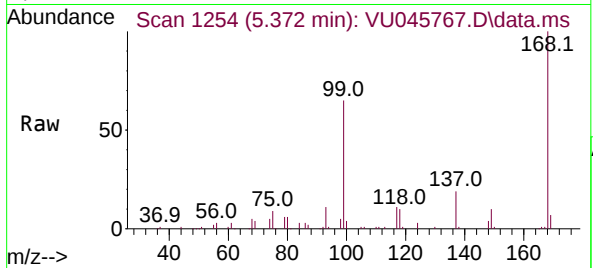




#31  
Cyclohexane  
Concen: 1.022 ug/l  
RT: 5.372 min Scan# 11  
Delta R.T. -0.019 min  
Lab File: VU045767.D  
Acq: 12 Nov 2021 14:25

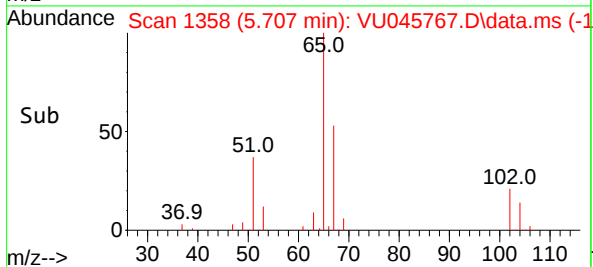
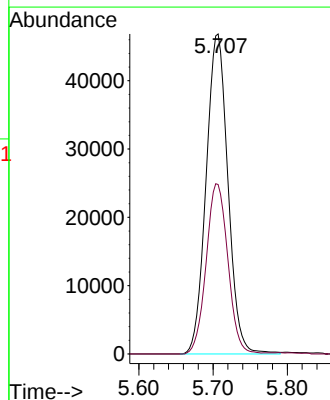
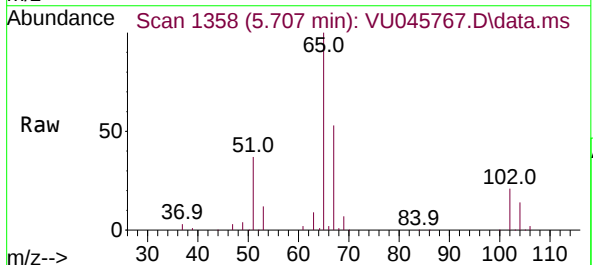
Instrument :  
MSVOA\_U  
ClientSampleId :  
BP-VPB-RW9-DUP-20211109

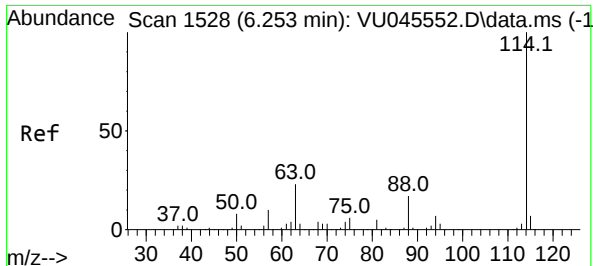
Tgt Ion: 56 Resp: 2556  
Ion Ratio Lower Upper  
56 100  
69 161.4 26.4 39.6#  
84 137.0 68.4 102.6#



#33  
1,2-Dichloroethane-d4  
Concen: 55.736 ug/l  
RT: 5.707 min Scan# 1358  
Delta R.T. 0.003 min  
Lab File: VU045767.D  
Acq: 12 Nov 2021 14:25

Tgt Ion: 65 Resp: 95555  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU045767.D

Acq: 12 Nov 2021 14:25

Instrument :

MSVOA\_U

ClientSampleId :

BP-VPB-RW9-DUP-20211109

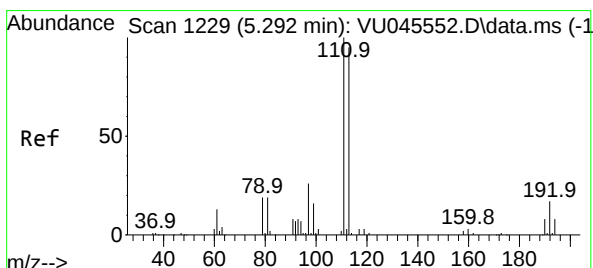
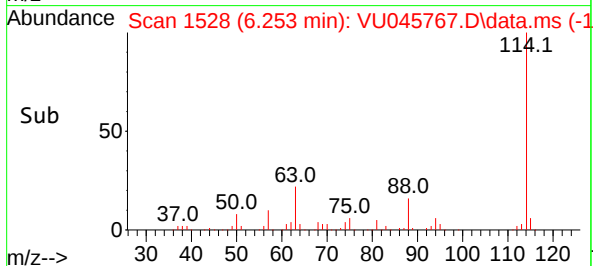
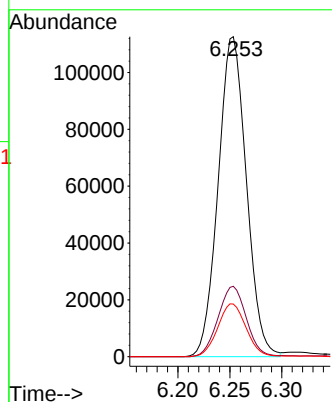
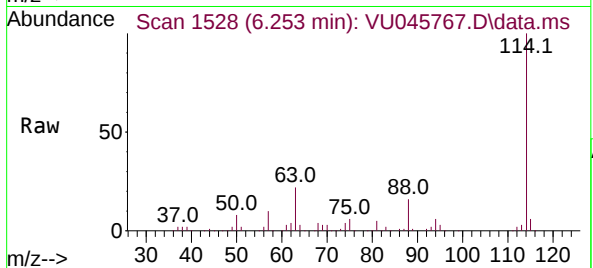
Tgt Ion:114 Resp: 212394

Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.6

88 16.5 0.0 33.8



#35

Dibromofluoromethane

Concen: 51.829 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. 0.000 min

Lab File: VU045767.D

Acq: 12 Nov 2021 14:25

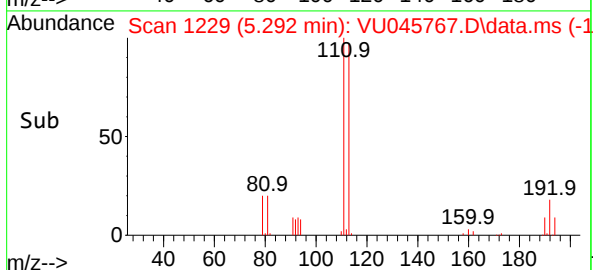
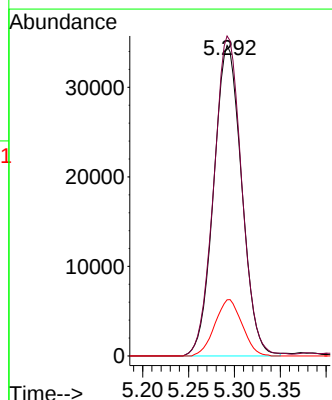
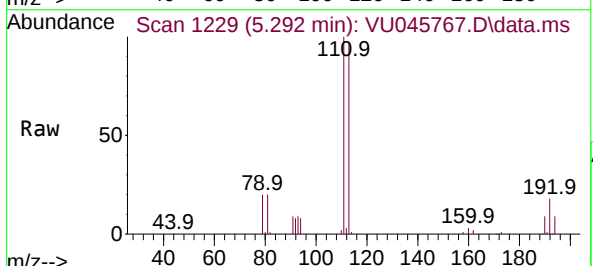
Tgt Ion:113 Resp: 73496

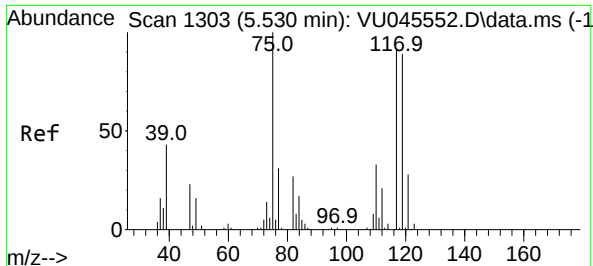
Ion Ratio Lower Upper

113 100

111 103.0 82.8 124.2

192 17.7 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.866 ug/l

RT: 5.376 min Scan# 1

Delta R.T. -0.154 min

Lab File: VU045767.D

Acq: 12 Nov 2021 14:25

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MSVOA\_U

ClientSampleId :

BP-VPB-RW9-DUP-20211109

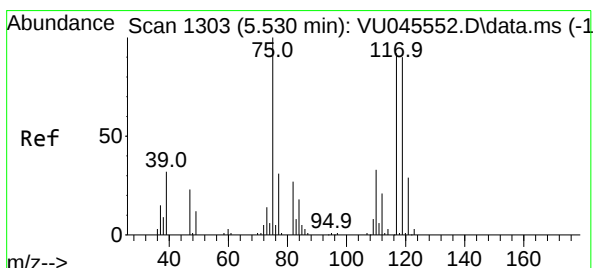
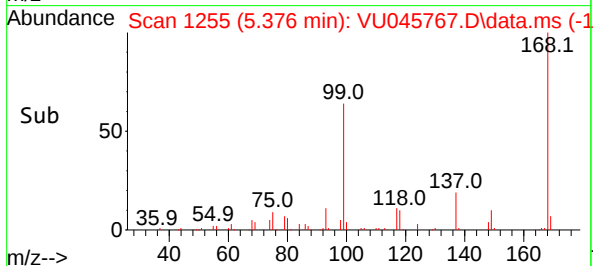
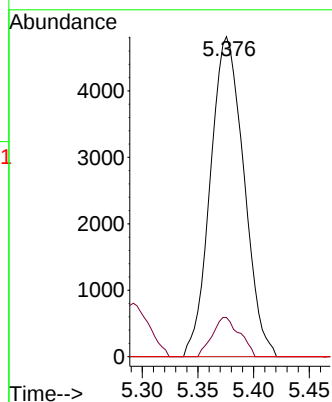
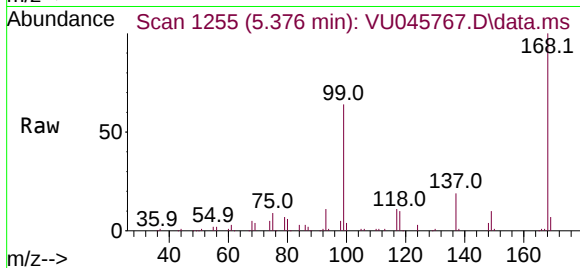
Tgt Ion: 75 Resp: 10077

Ion Ratio Lower Upper

75 100

110 10.0 16.7 50.0#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.906 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.151 min

Lab File: VU045767.D

Acq: 12 Nov 2021 14:25

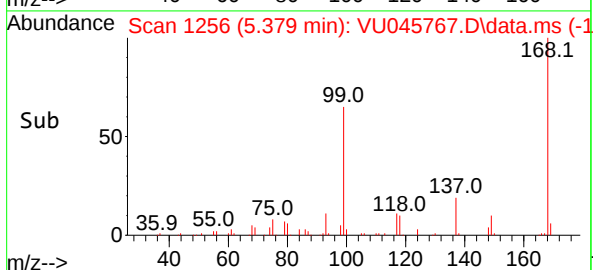
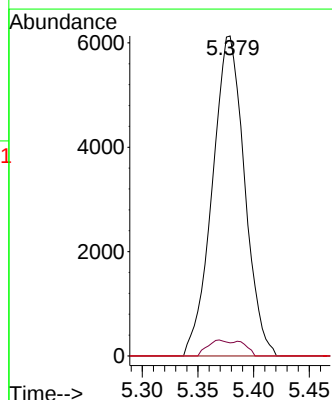
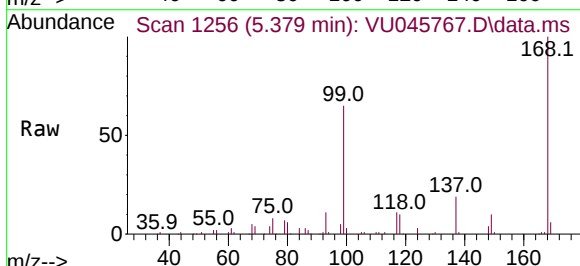
Tgt Ion: 117 Resp: 12332

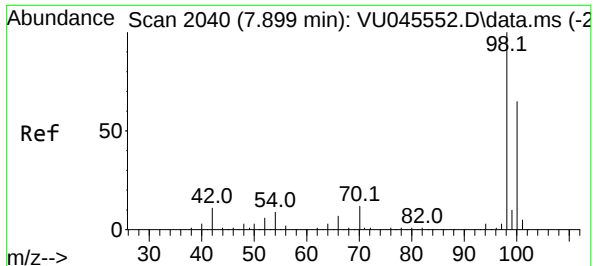
Ion Ratio Lower Upper

117 100

119 4.1 77.4 116.0#

121 0.0 24.8 37.2#

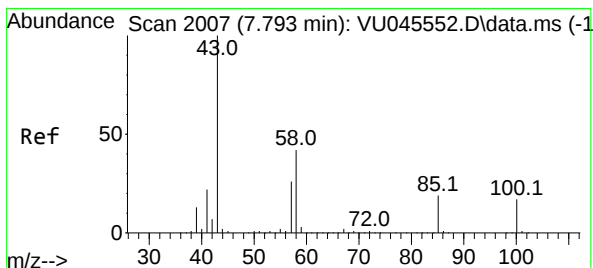
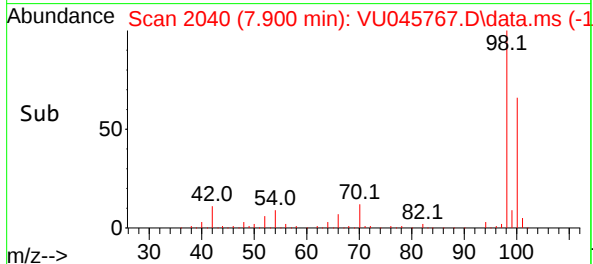
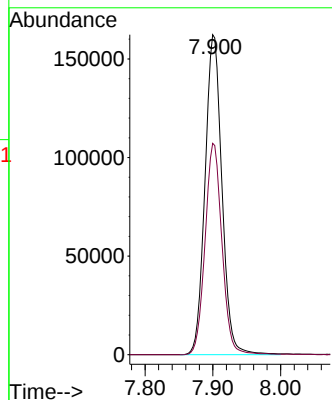
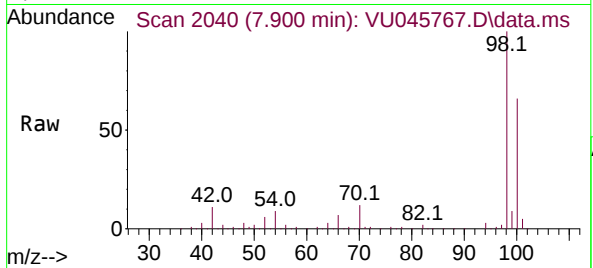




#50  
Toluene-d8  
Concen: 53.406 ug/l  
RT: 7.900 min Scan# 2040  
Delta R.T. 0.000 min  
Lab File: VU045767.D  
Acq: 12 Nov 2021 14:25

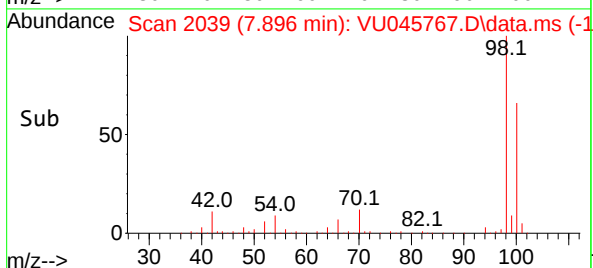
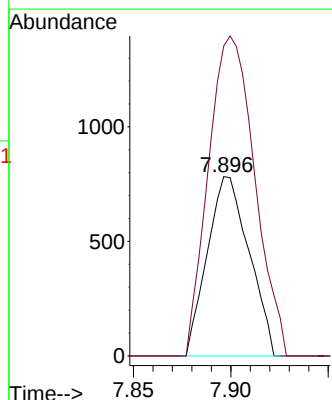
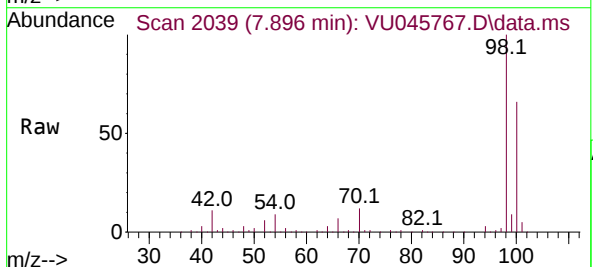
Instrument :  
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ClientSampleId :  
BP-VPB-RW9-DUP-20211109

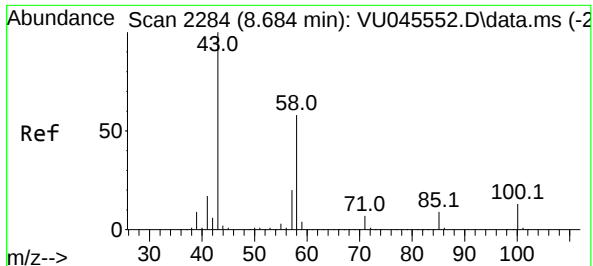
Tgt Ion: 98 Resp: 281607  
Ion Ratio Lower Upper  
98 100  
100 65.9 52.5 78.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.485 ug/l  
RT: 7.896 min Scan# 2039  
Delta R.T. 0.103 min  
Lab File: VU045767.D  
Acq: 12 Nov 2021 14:25

Tgt Ion: 43 Resp: 1164  
Ion Ratio Lower Upper  
43 100  
58 198.0 33.8 50.8#





#59

2-Hexanone

Concen: 7.585 ug/l

RT: 8.691 min Scan# 21

Delta R.T. 0.007 min

Lab File: VU045767.D

Acq: 12 Nov 2021 14:25

Instrument :

MSVOA\_U

ClientSampleId :

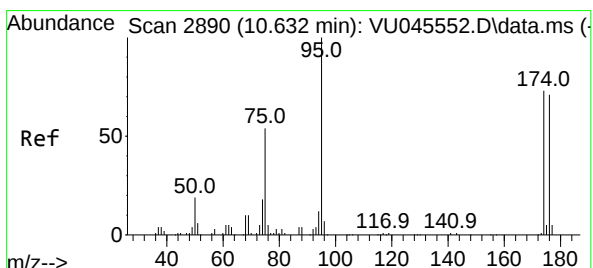
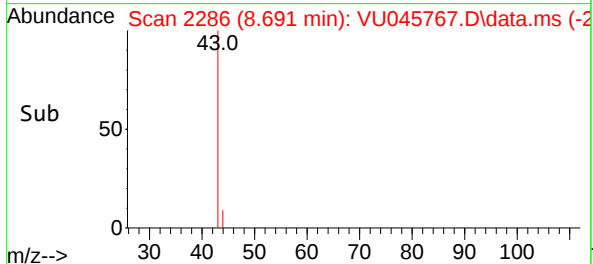
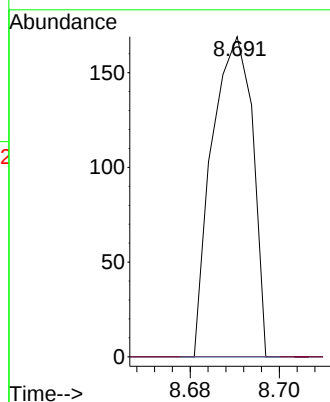
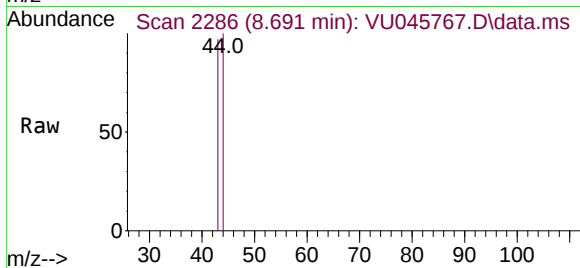
BP-VPB-RW9-DUP-20211109

Tgt Ion: 43 Resp: 107

Ion Ratio Lower Upper

43 100

58 0.0 29.5 88.6#



#62

4-Bromofluorobenzene

Concen: 50.210 ug/l

RT: 10.636 min Scan# 2891

Delta R.T. 0.003 min

Lab File: VU045767.D

Acq: 12 Nov 2021 14:25

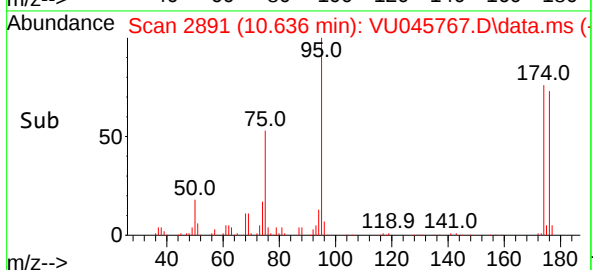
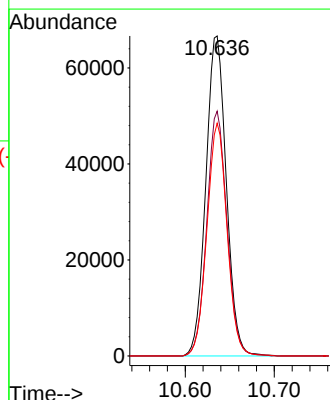
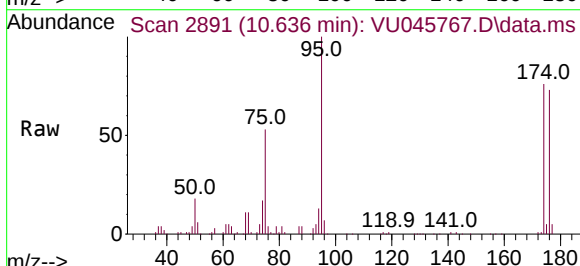
Tgt Ion: 95 Resp: 106167

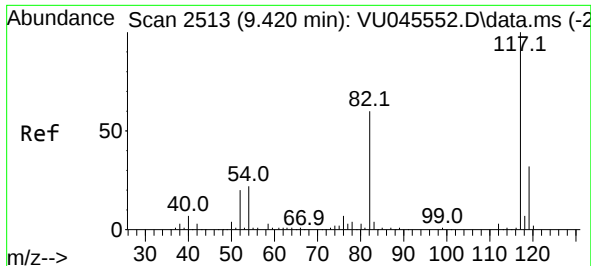
Ion Ratio Lower Upper

95 100

174 75.4 0.0 141.8

176 71.6 0.0 138.2

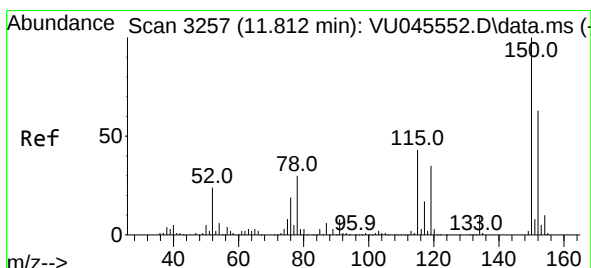
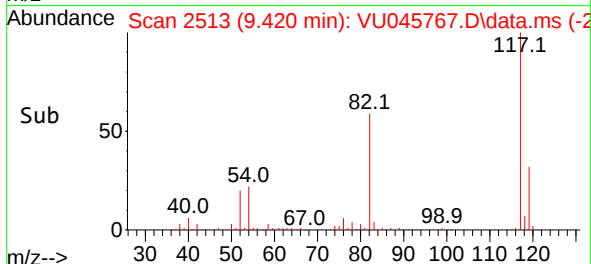
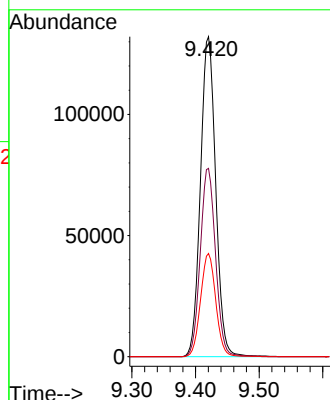
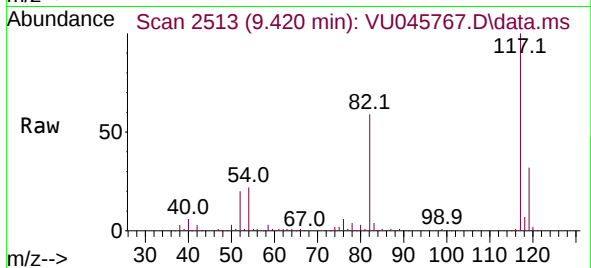




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.420 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU045767.D  
Acq: 12 Nov 2021 14:25

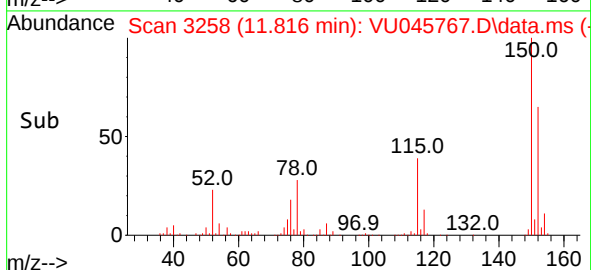
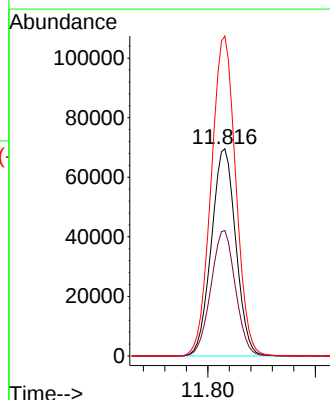
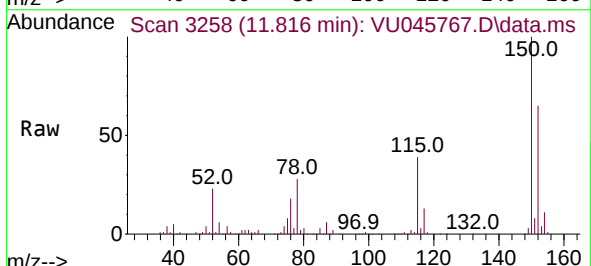
Instrument :  
MSVOA\_U  
ClientSampleId :  
BP-VPB-RW9-DUP-20211109

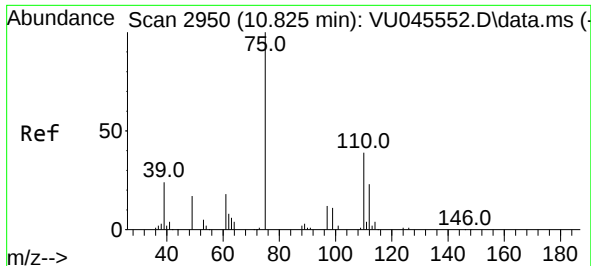
Tgt Ion:117 Resp: 219967  
Ion Ratio Lower Upper  
117 100  
82 58.9 47.8 71.8  
119 32.2 25.8 38.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.816 min Scan# 3258  
Delta R.T. 0.004 min  
Lab File: VU045767.D  
Acq: 12 Nov 2021 14:25

Tgt Ion:152 Resp: 109750  
Ion Ratio Lower Upper  
152 100  
115 60.8 42.7 128.1  
150 155.5 0.0 346.8

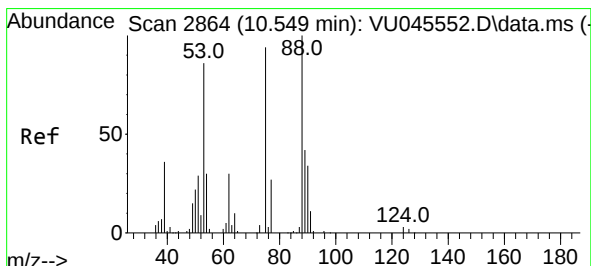
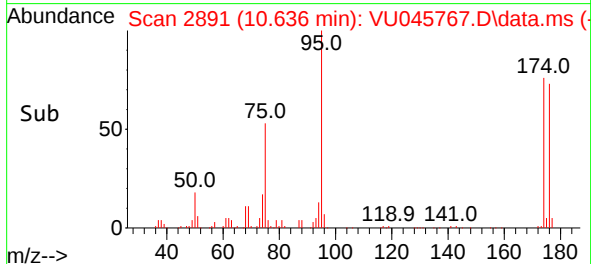
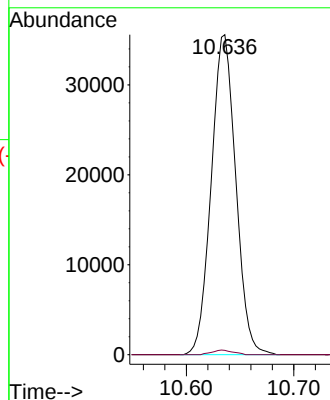
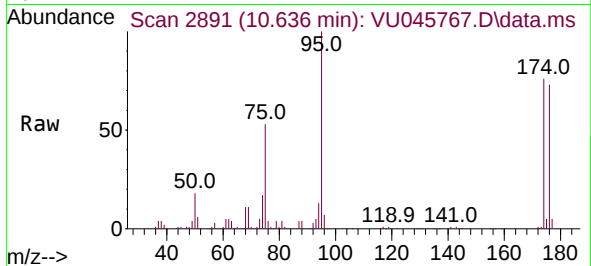




#76  
1,2,3-Trichloropropane  
Concen: 16.916 ug/l  
RT: 10.636 min Scan# 2891  
Delta R.T. -0.189 min  
Lab File: VU045767.D  
Acq: 12 Nov 2021 14:25

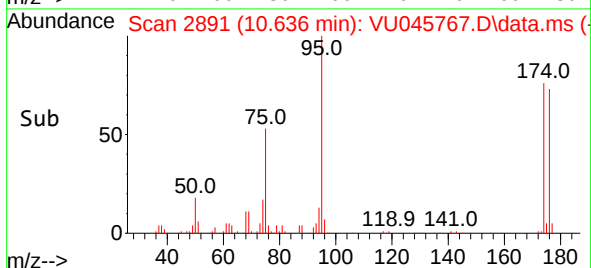
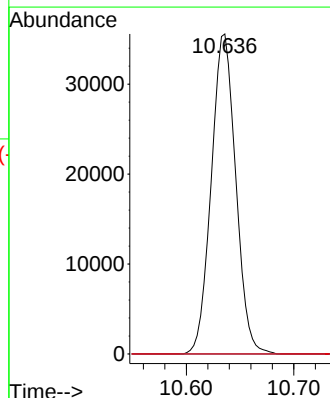
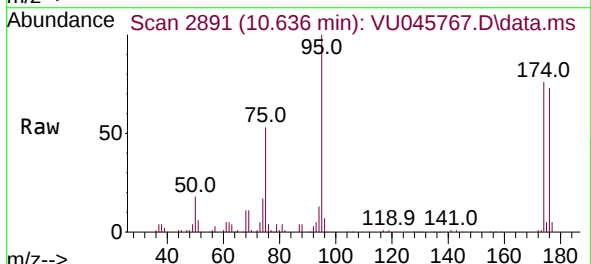
Instrument :  
MSVOA\_U  
ClientSampleId :  
BP-VPB-RW9-DUP-20211109

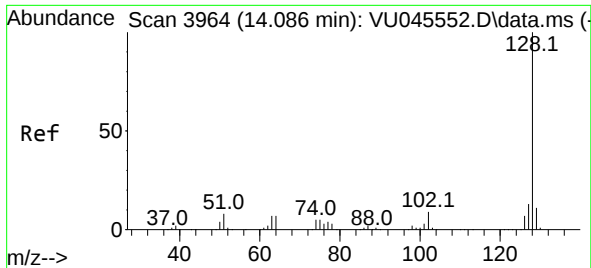
Tgt Ion: 75 Resp: 56302  
Ion Ratio Lower Upper  
75 100  
77 1.2 17.1 51.3#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 55.093 ug/l  
RT: 10.636 min Scan# 2891  
Delta R.T. 0.087 min  
Lab File: VU045767.D  
Acq: 12 Nov 2021 14:25

Tgt Ion: 75 Resp: 56302  
Ion Ratio Lower Upper  
75 100  
53 0.0 76.2 114.4#  
89 0.0 34.0 51.0#





#95

Naphthalene

Concen: 1.060 ug/l

RT: 14.092 min Scan# 3966

Delta R.T. 0.006 min

Lab File: VU045767.D

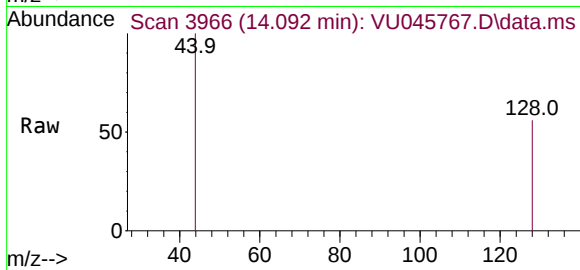
Acq: 12 Nov 2021 14:25

Instrument :

MSVOA\_U

ClientSampleId :

BP-VPB-RW9-DUP-20211109



Tgt Ion:128 Resp: 280

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 13.0#

