

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111121\  
 Data File : VU045736.D  
 Acq On : 11 Nov 2021 14:17  
 Operator : SY/MD  
 Sample : M4608-01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 FIELD-BLANK-20211109

Quant Time: Nov 12 06:08:25 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

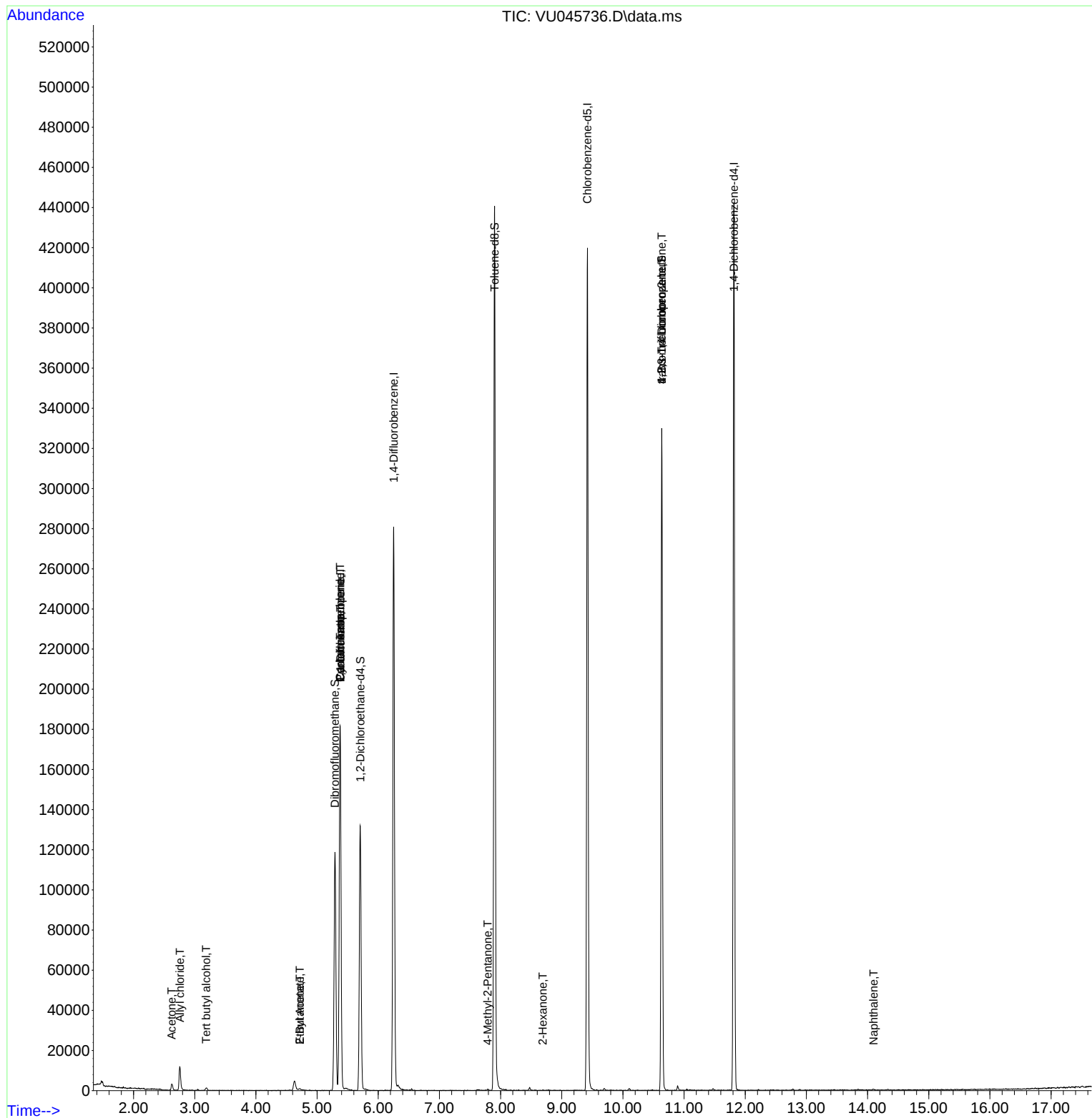
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.378  | 168   | 120466   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.253  | 114   | 222808   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 9.420  | 117   | 225520   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.815 | 152   | 111444   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.706  | 65    | 97607    | 54.102   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | = 108.200% |          |
| 35) Dibromofluoromethane      | 5.292  | 113   | 75441    | 50.714   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 101.420% |          |
| 50) Toluene-d8                | 7.902  | 98    | 291692   | 52.733   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | = 105.460% |          |
| 62) 4-Bromofluorobenzene      | 10.635 | 95    | 109180   | 49.222   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 98.440%  |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 3.186  | 59    | 995      | 2.786    | ug/l #     | 72       |
| 14) Allyl chloride            | 2.758  | 41    | 1192     | 0.504    | ug/l #     | 68       |
| 16) Acetone                   | 2.623  | 43    | 4075     | 4.437    | ug/l       | 98       |
| 25) 2-Butanone                | 4.719  | 43    | 1191     | 0.935    | ug/l #     | 89       |
| 31) Cyclohexane               | 5.378  | 56    | 2693     | 1.023    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.378  | 75    | 10701    | 4.926    | ug/l #     | 49       |
| 37) Ethyl Acetate             | 4.719  | 43    | 1191     | 0.477    | ug/l #     | 67       |
| 38) Carbon Tetrachloride      | 5.375  | 117   | 12985    | 5.928    | ug/l #     | 16       |
| 51) 4-Methyl-2-Pentanone      | 7.790  | 43    | 593      | 0.236    | ug/l #     | 67       |
| 59) 2-Hexanone                | 8.690  | 43    | 172      | 7.611    | ug/l #     | 21       |
| 76) 1,2,3-Trichloropropane    | 10.635 | 75    | 57742    | 17.085   | ug/l #     | 42       |
| 81) trans-1,4-Dichloro-2-b... | 10.635 | 75    | 57742    | 55.613   | ug/l #     | 12       |
| 95) Naphthalene               | 14.098 | 128   | 512      | 1.084    | ug/l #     | 69       |
| -----                         |        |       |          |          |            |          |

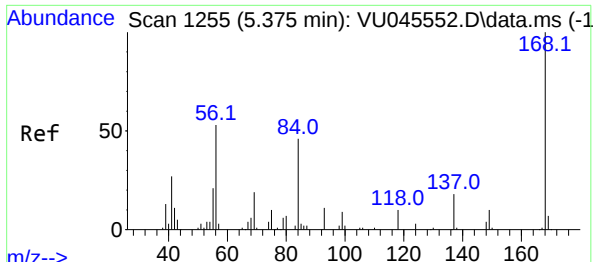
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111121\  
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Sample : M4608-01  
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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
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Quant Time: Nov 12 06:08:25 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

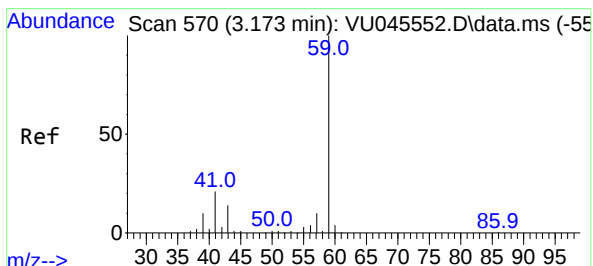
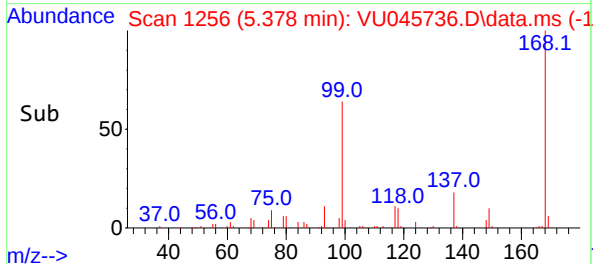
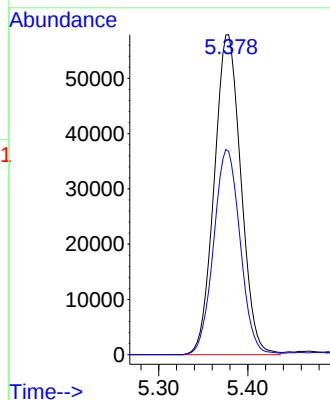
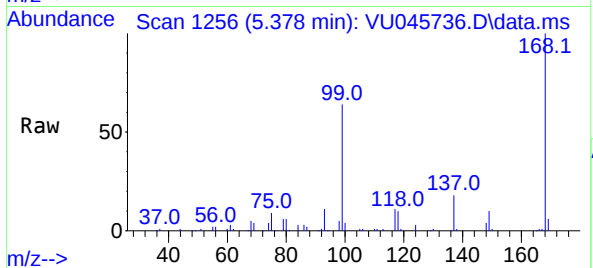




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.378 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU045736.D  
Acq: 11 Nov 2021 14:17

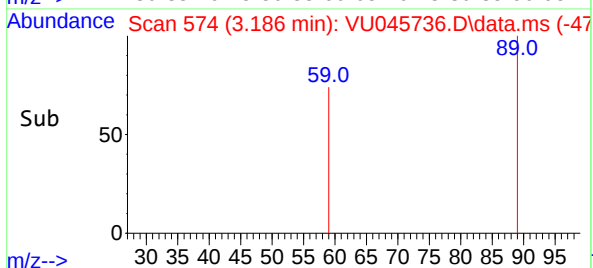
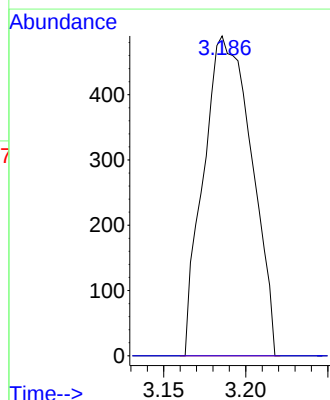
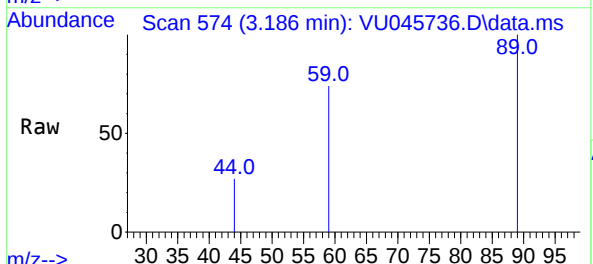
Instrument :  
MSVOA\_U  
ClientSampleId :  
FIELD-BLANK-20211109

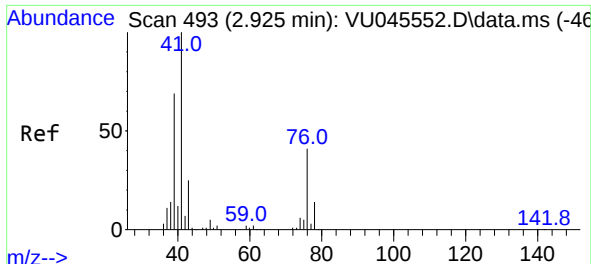
Tgt Ion:168 Resp: 120466  
Ion Ratio Lower Upper  
168 100  
99 63.5 51.0 76.6



#11  
Tert butyl alcohol  
Concen: 2.786 ug/l  
RT: 3.186 min Scan# 574  
Delta R.T. 0.013 min  
Lab File: VU045736.D  
Acq: 11 Nov 2021 14:17

Tgt Ion: 59 Resp: 995  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#

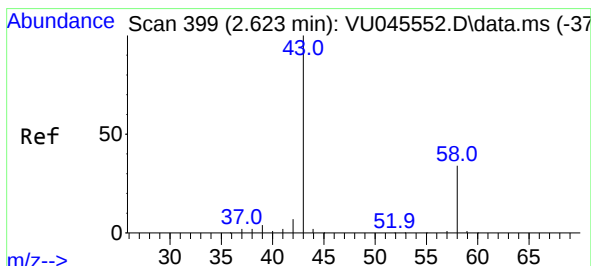
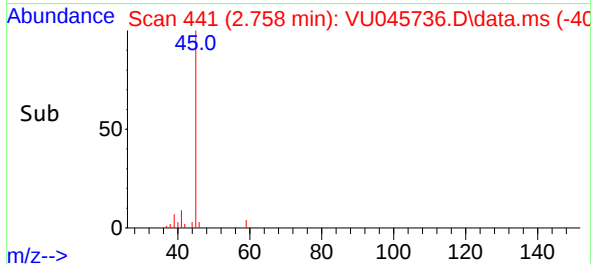
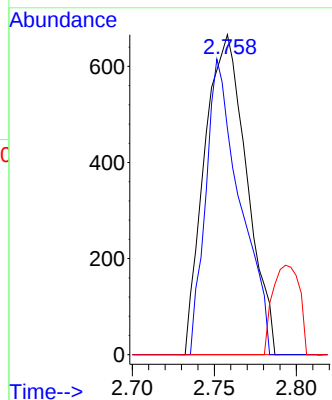
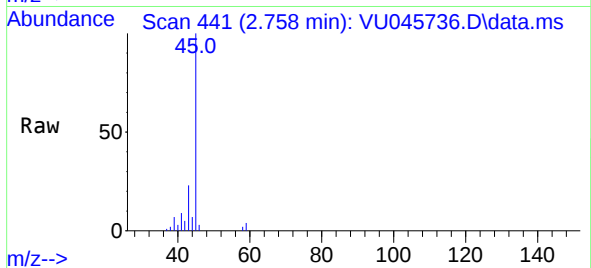




#14  
 Allyl chloride  
 Concen: 0.504 ug/l  
 RT: 2.758 min Scan# 441  
 Delta R.T. -0.167 min  
 Lab File: VU045736.D  
 Acq: 11 Nov 2021 14:17

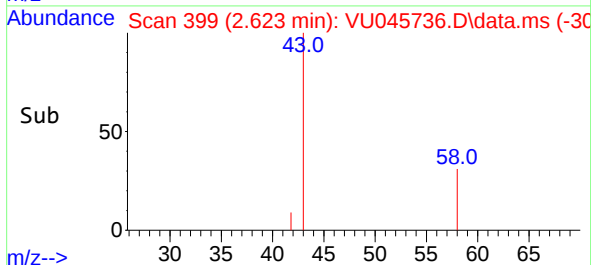
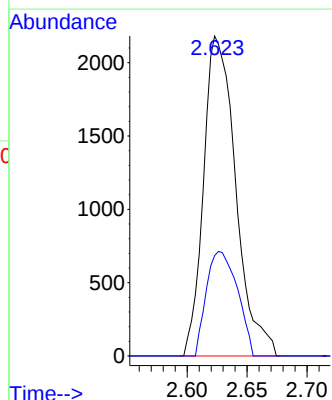
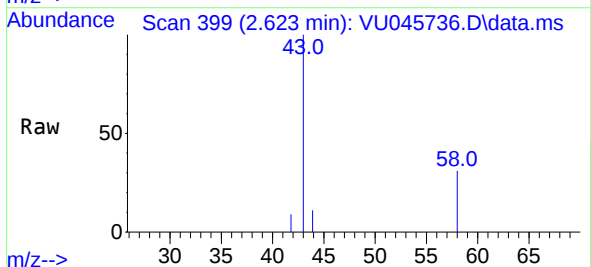
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 FIELD-BLANK-20211109

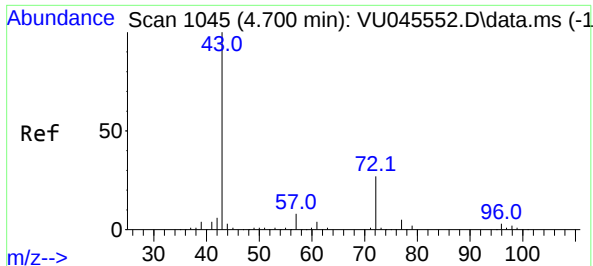
Tgt Ion: 41 Resp: 1192  
 Ion Ratio Lower Upper  
 41 100  
 39 74.8 49.7 74.5#  
 76 0.0 27.7 41.5#



#16  
 Acetone  
 Concen: 4.437 ug/l  
 RT: 2.623 min Scan# 399  
 Delta R.T. -0.000 min  
 Lab File: VU045736.D  
 Acq: 11 Nov 2021 14:17

Tgt Ion: 43 Resp: 4075  
 Ion Ratio Lower Upper  
 43 100  
 58 31.3 26.2 39.2

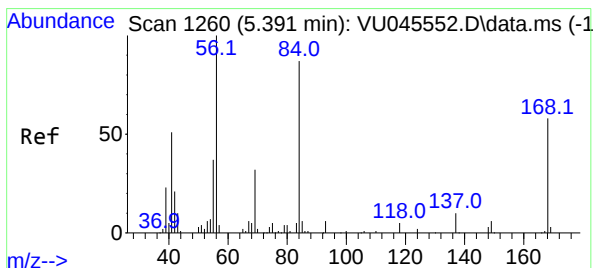
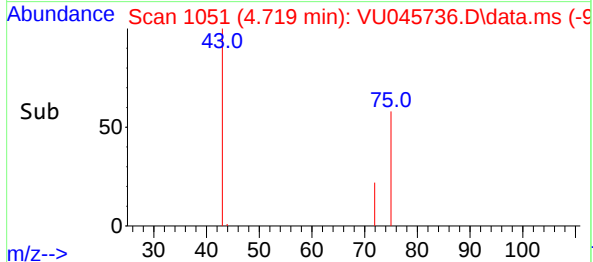
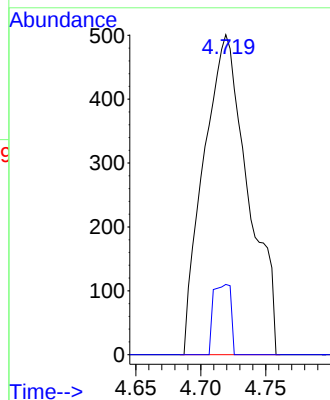
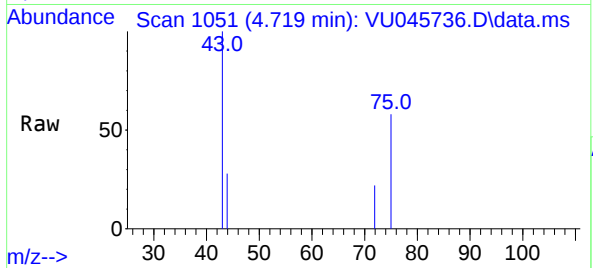




#25  
2-Butanone  
Concen: 0.935 ug/l  
RT: 4.719 min Scan# 1191  
Delta R.T. 0.019 min  
Lab File: VU045736.D  
Acq: 11 Nov 2021 14:17

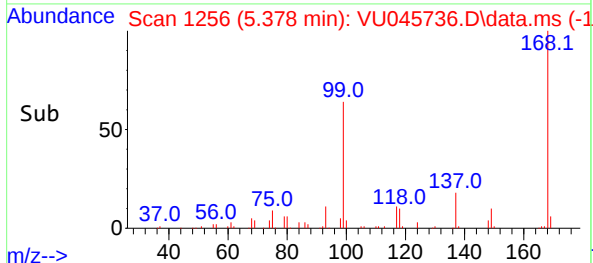
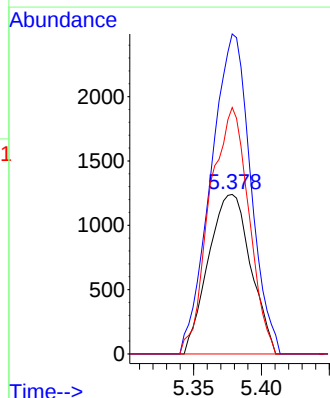
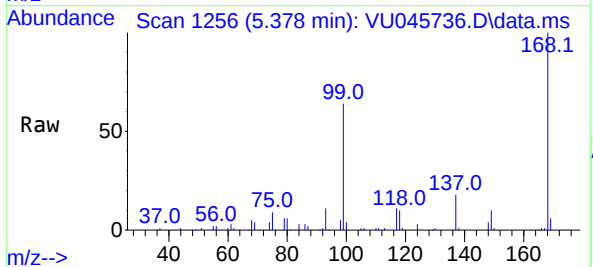
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ClientSampleId :  
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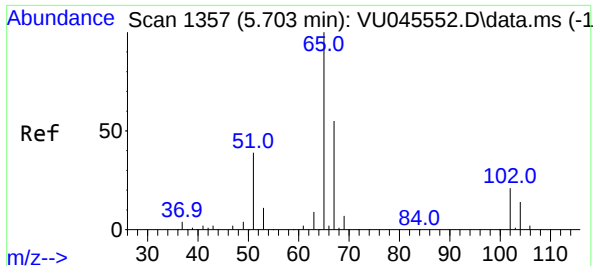
Tgt Ion: 43 Resp: 1191  
Ion Ratio Lower Upper  
43 100  
72 22.0 22.0 33.0#



#31  
Cyclohexane  
Concen: 1.023 ug/l  
RT: 5.378 min Scan# 1256  
Delta R.T. -0.013 min  
Lab File: VU045736.D  
Acq: 11 Nov 2021 14:17

Tgt Ion: 56 Resp: 2693  
Ion Ratio Lower Upper  
56 100  
69 200.6 26.4 39.6#  
84 154.4 68.4 102.6#





#33

1,2-Dichloroethane-d4

Concen: 54.102 ug/l

RT: 5.706 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU045736.D

Acq: 11 Nov 2021 14:17

Instrument :

MSVOA\_U

ClientSampleId :

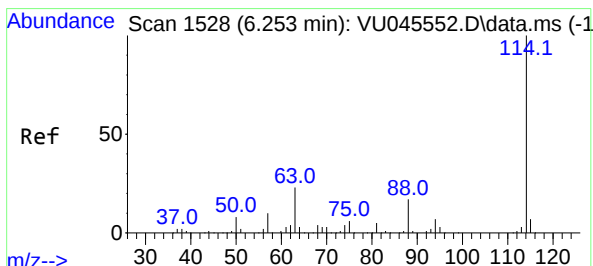
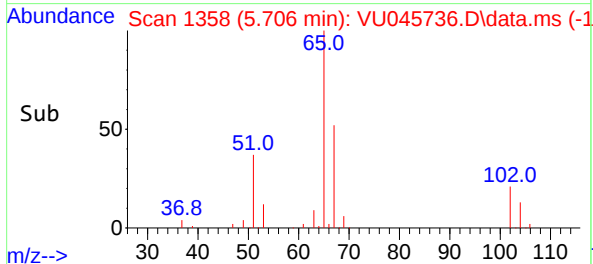
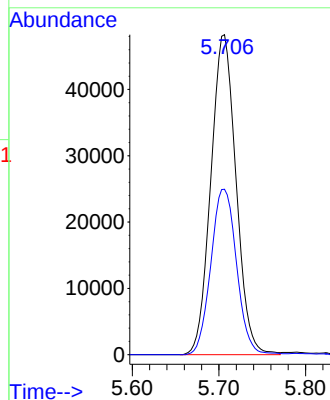
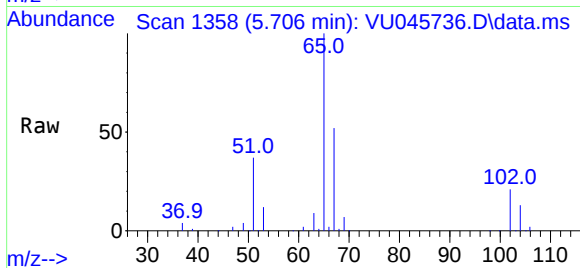
FIELD-BLANK-20211109

Tgt Ion: 65 Resp: 97607

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# 1528

Delta R.T. -0.000 min

Lab File: VU045736.D

Acq: 11 Nov 2021 14:17

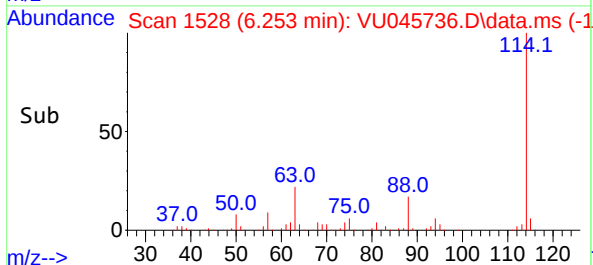
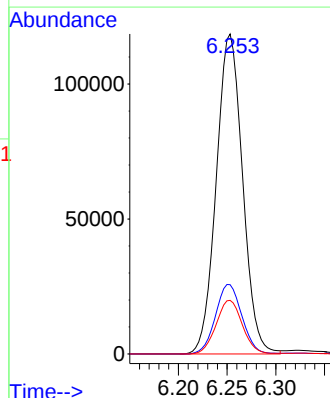
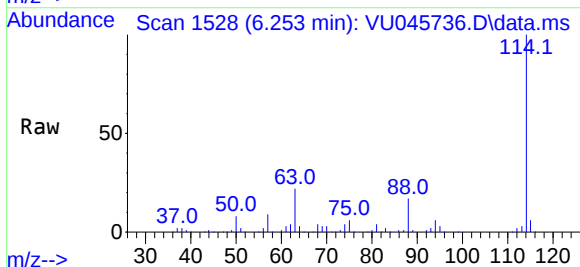
Tgt Ion: 114 Resp: 222808

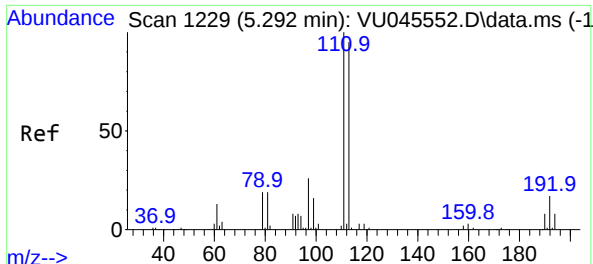
Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.6

88 16.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 50.714 ug/l

RT: 5.292 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU045736.D

Acq: 11 Nov 2021 14:17

Instrument :

MSVOA\_U

ClientSampleId :

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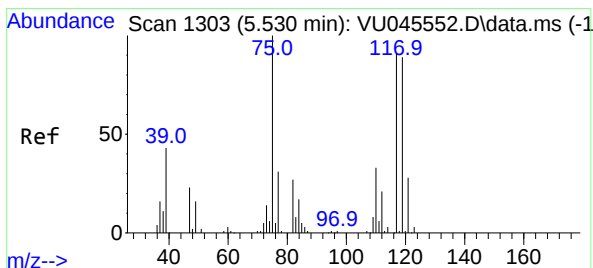
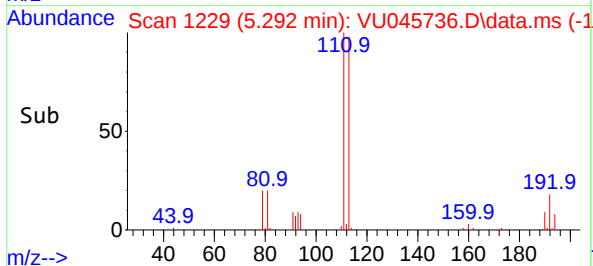
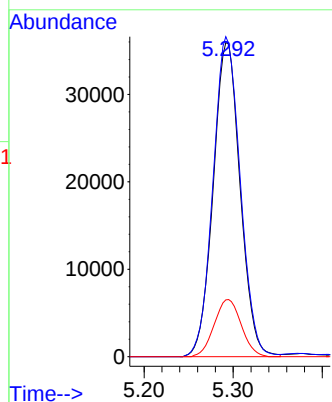
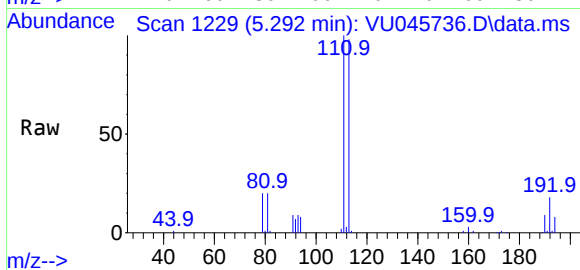
Tgt Ion:113 Resp: 75441

Ion Ratio Lower Upper

113 100

111 102.9 82.8 124.2

192 18.3 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.926 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.151 min

Lab File: VU045736.D

Acq: 11 Nov 2021 14:17

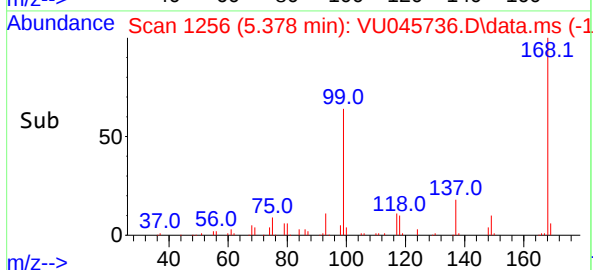
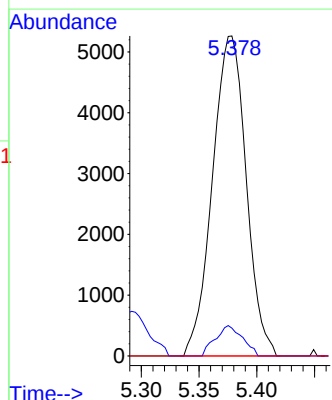
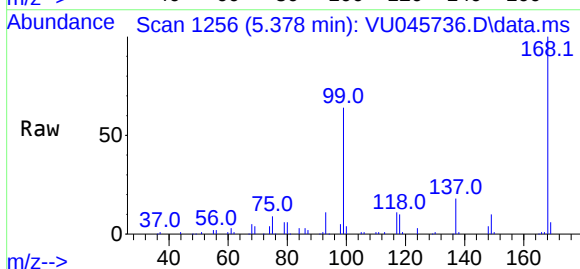
Tgt Ion: 75 Resp: 10701

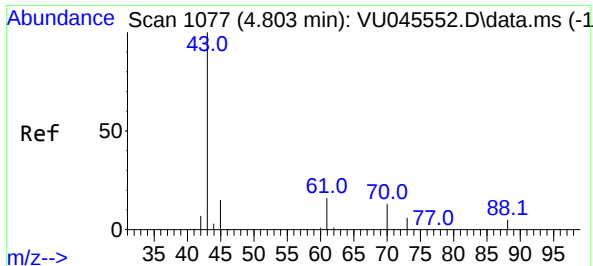
Ion Ratio Lower Upper

75 100

110 7.6 16.7 50.0#

77 0.0 25.0 37.4#

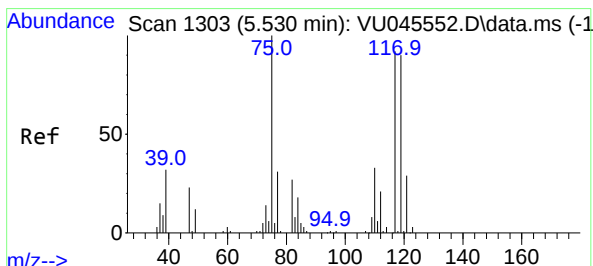
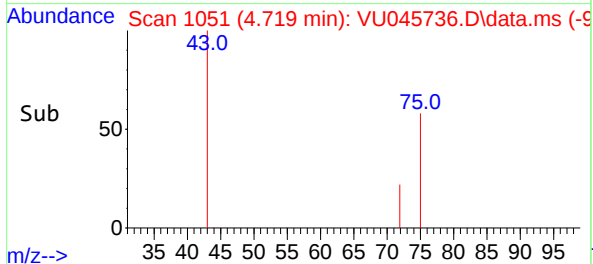
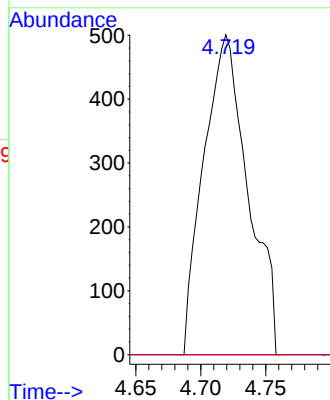
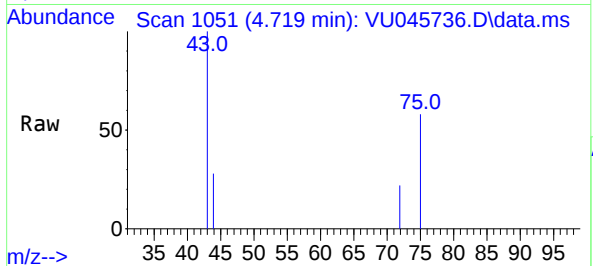




#37  
Ethyl Acetate  
Concen: 0.477 ug/l  
RT: 4.719 min Scan# 1191  
Delta R.T. -0.084 min  
Lab File: VU045736.D  
Acq: 11 Nov 2021 14:17

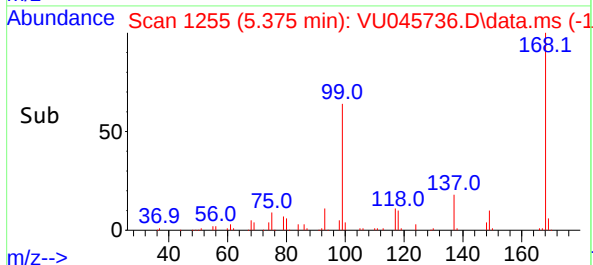
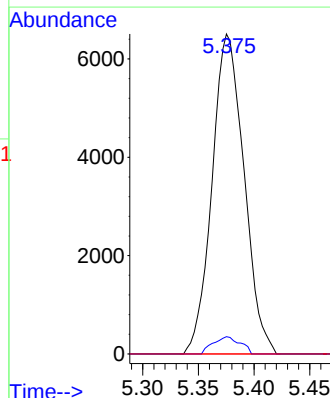
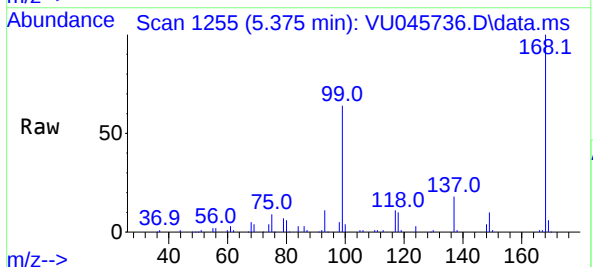
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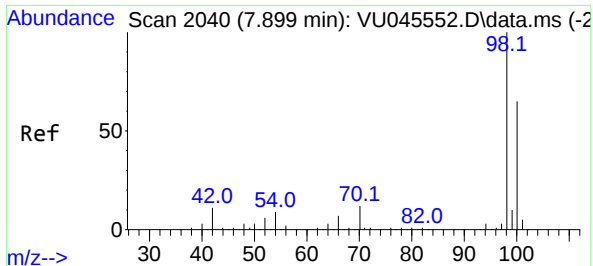
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|-------------|-------|-------------|
| Tgt Ion: 43 | Resp: | 1191        |
| Ion         | Ratio | Lower Upper |
| 43          | 100   |             |
| 61          | 0.0   | 11.6 17.4#  |
| 70          | 0.0   | 9.1 13.7#   |



#38  
Carbon Tetrachloride  
Concen: 5.928 ug/l  
RT: 5.375 min Scan# 1255  
Delta R.T. -0.154 min  
Lab File: VU045736.D  
Acq: 11 Nov 2021 14:17

|              |       |             |
|--------------|-------|-------------|
| Tgt Ion: 117 | Resp: | 12985       |
| Ion          | Ratio | Lower Upper |
| 117          | 100   |             |
| 119          | 5.4   | 77.4 116.0# |
| 121          | 0.0   | 24.8 37.2#  |

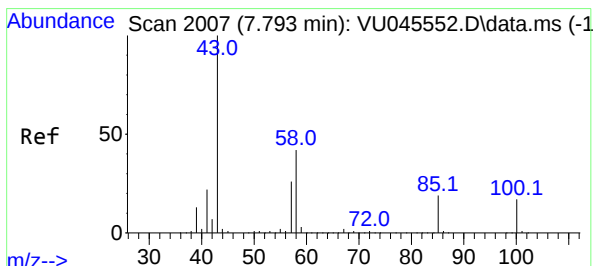
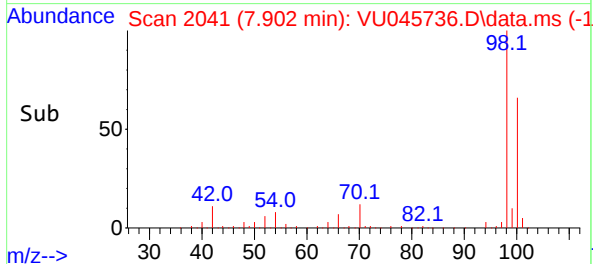
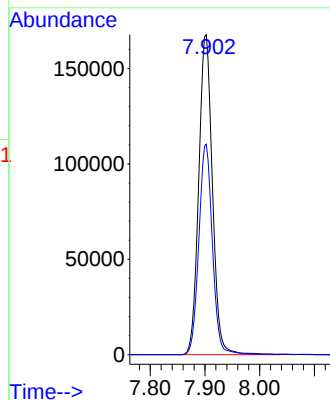
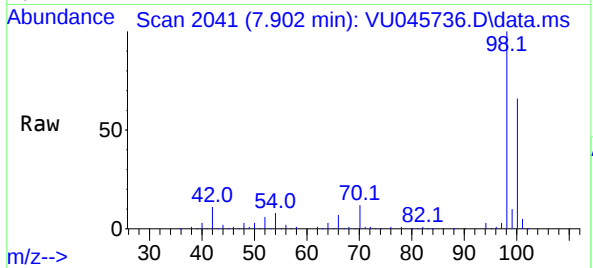




#50  
Toluene-d8  
Concen: 52.733 ug/l  
RT: 7.902 min Scan# 2041  
Delta R.T. 0.003 min  
Lab File: VU045736.D  
Acq: 11 Nov 2021 14:17

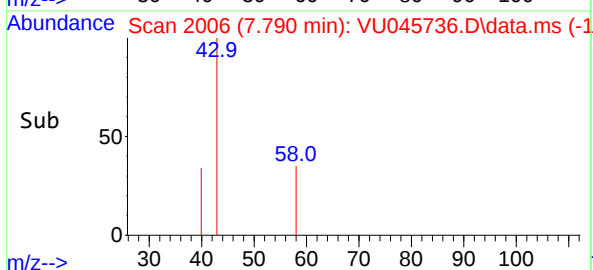
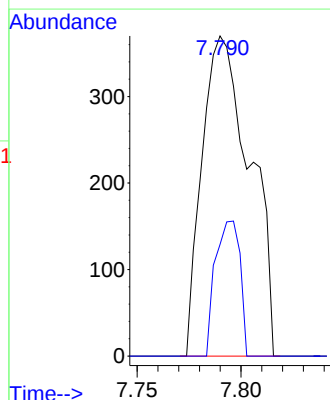
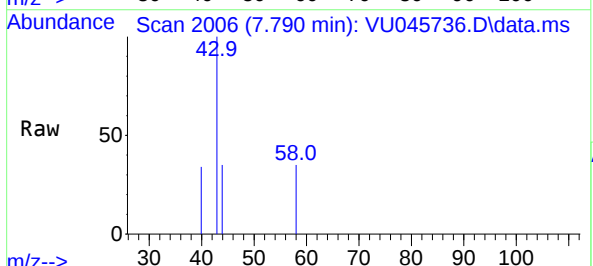
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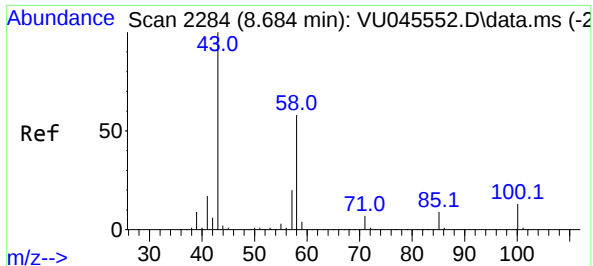
Tgt Ion: 98 Resp: 291692  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.5 78.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.236 ug/l  
RT: 7.790 min Scan# 2006  
Delta R.T. -0.003 min  
Lab File: VU045736.D  
Acq: 11 Nov 2021 14:17

Tgt Ion: 43 Resp: 593  
Ion Ratio Lower Upper  
43 100  
58 21.6 33.8 50.8#

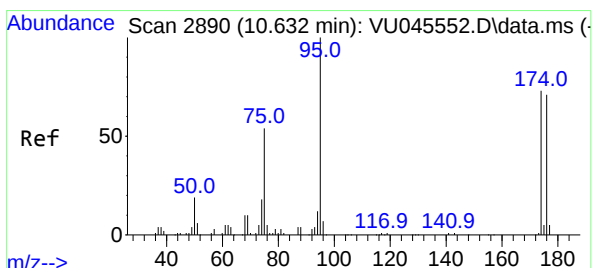
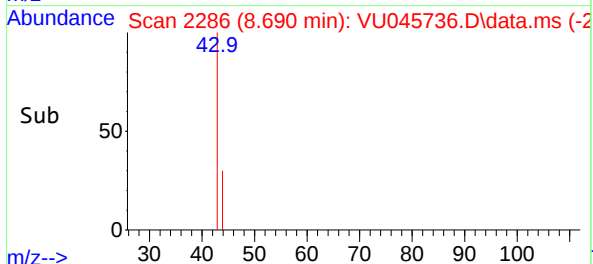
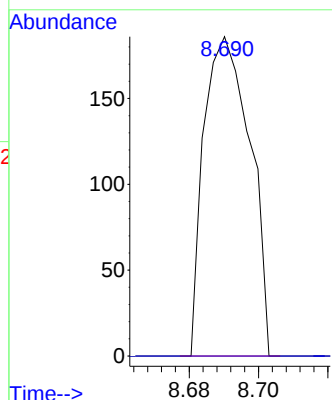
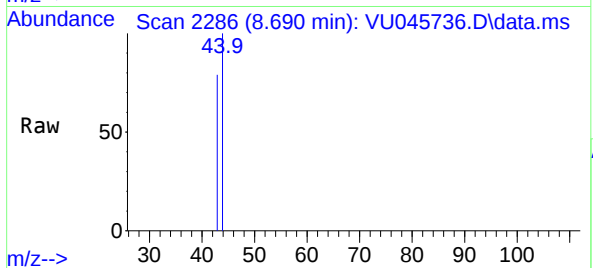




#59  
2-Hexanone  
Concen: 7.611 ug/l  
RT: 8.690 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VU045736.D  
Acq: 11 Nov 2021 14:17

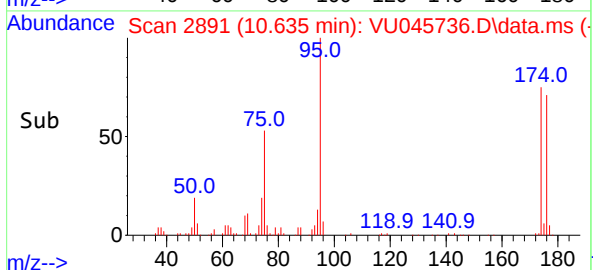
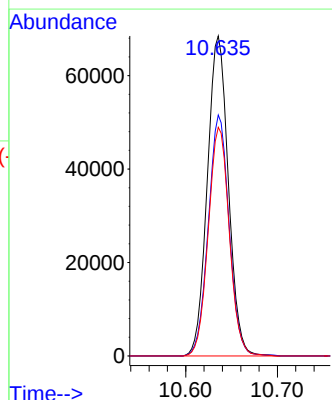
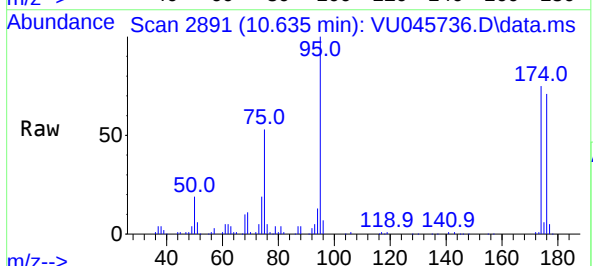
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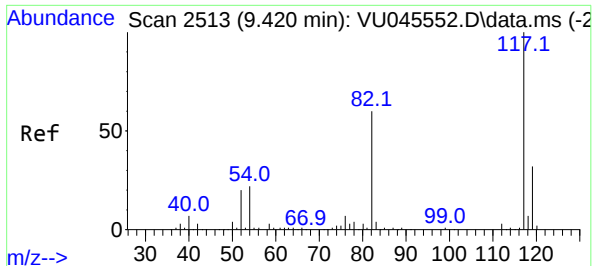
Tgt Ion: 43 Resp: 172  
Ion Ratio Lower Upper  
43 100  
58 0.0 29.5 88.6#



#62  
4-Bromofluorobenzene  
Concen: 49.222 ug/l  
RT: 10.635 min Scan# 2891  
Delta R.T. 0.003 min  
Lab File: VU045736.D  
Acq: 11 Nov 2021 14:17

Tgt Ion: 95 Resp: 109180  
Ion Ratio Lower Upper  
95 100  
174 74.7 0.0 141.8  
176 71.3 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: VU045736.D

Acq: 11 Nov 2021 14:17

Instrument :

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ClientSampleId :

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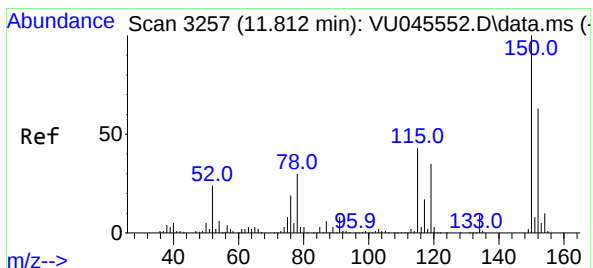
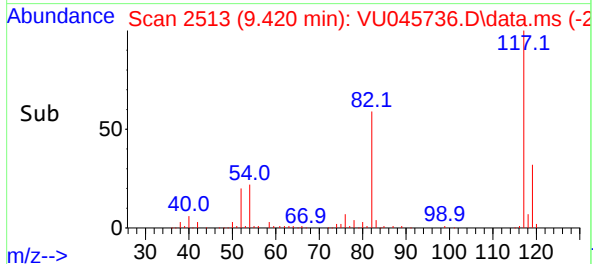
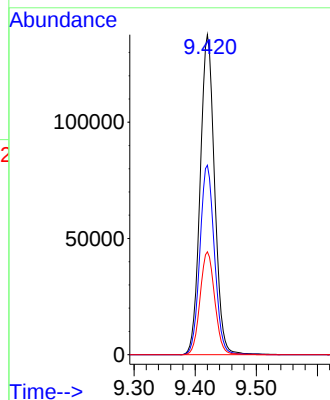
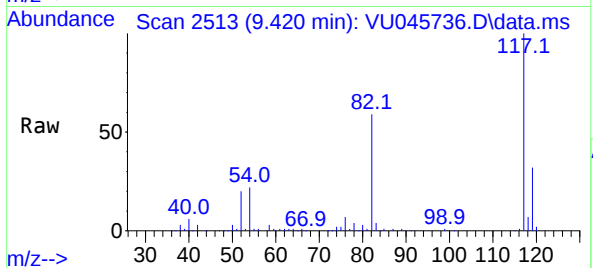
Tgt Ion:117 Resp: 225520

Ion Ratio Lower Upper

117 100

82 59.2 47.8 71.8

119 32.2 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.815 min Scan# 3258

Delta R.T. 0.003 min

Lab File: VU045736.D

Acq: 11 Nov 2021 14:17

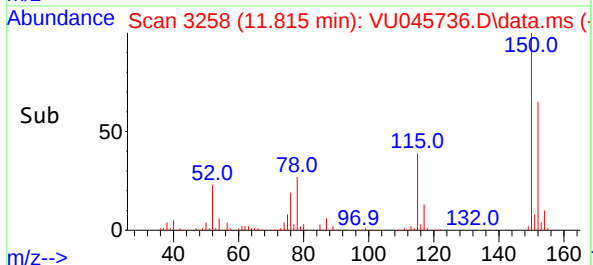
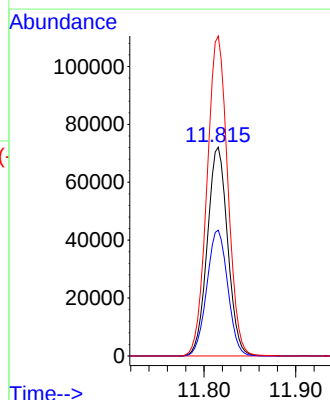
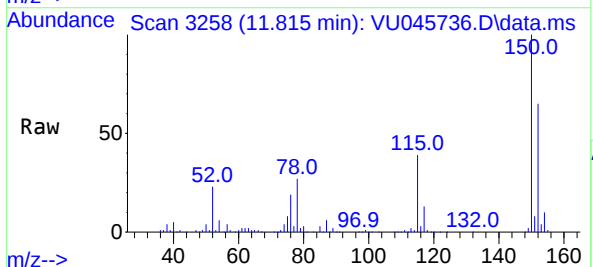
Tgt Ion:152 Resp: 111444

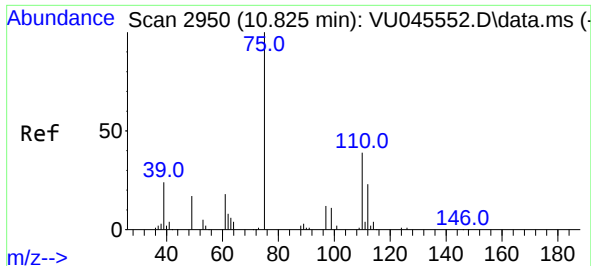
Ion Ratio Lower Upper

152 100

115 61.8 42.7 128.1

150 155.7 0.0 346.8

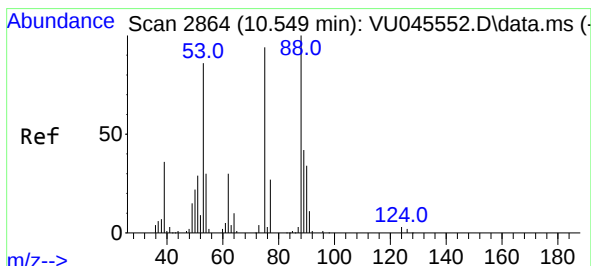
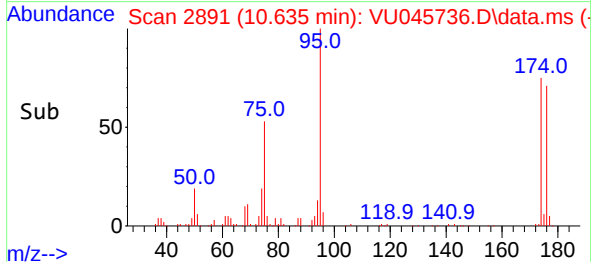
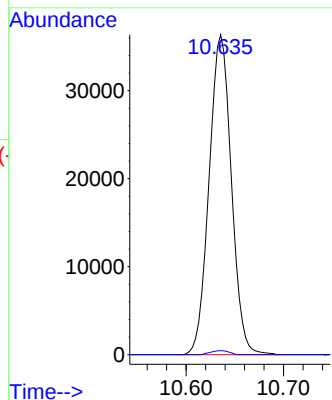
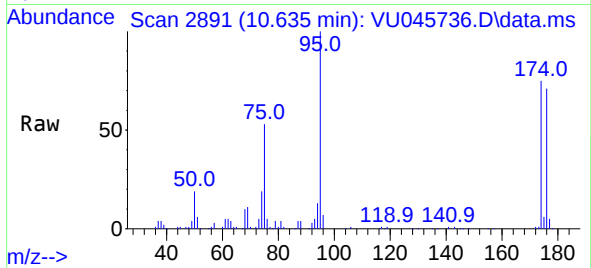




#76  
1,2,3-Trichloropropane  
Concen: 17.085 ug/l  
RT: 10.635 min Scan# 2891  
Delta R.T. -0.190 min  
Lab File: VU045736.D  
Acq: 11 Nov 2021 14:17

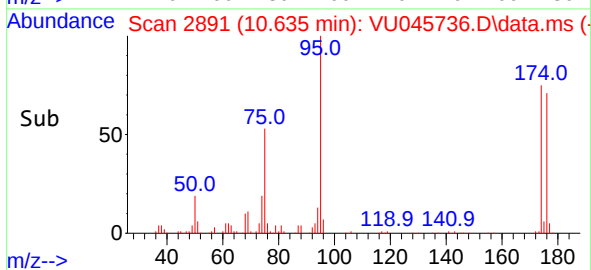
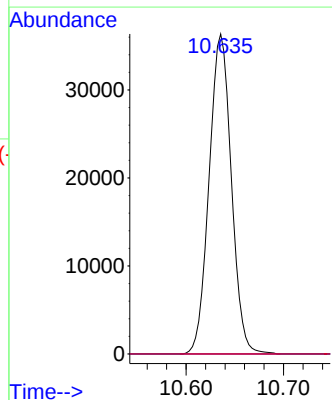
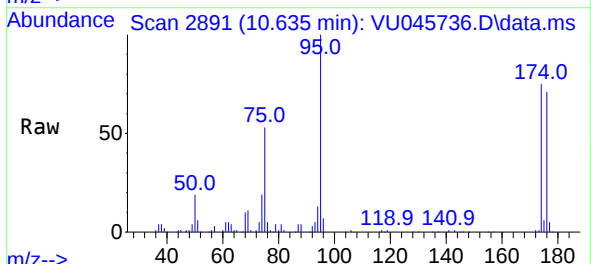
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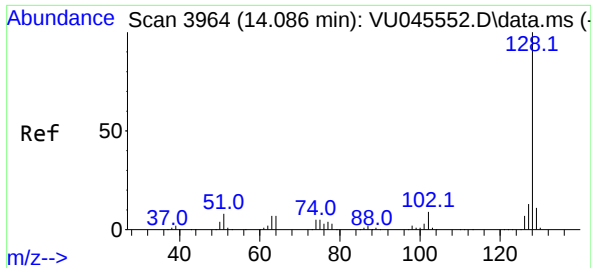
Tgt Ion: 75 Resp: 57742  
Ion Ratio Lower Upper  
75 100  
77 1.0 17.1 51.3#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 55.613 ug/l  
RT: 10.635 min Scan# 2891  
Delta R.T. 0.086 min  
Lab File: VU045736.D  
Acq: 11 Nov 2021 14:17

Tgt Ion: 75 Resp: 57742  
Ion Ratio Lower Upper  
75 100  
53 0.0 76.2 114.4#  
89 0.0 34.0 51.0#





#95

Naphthalene

Concen: 1.084 ug/l

RT: 14.098 min Scan# 3968

Delta R.T. 0.012 min

Lab File: VU045736.D

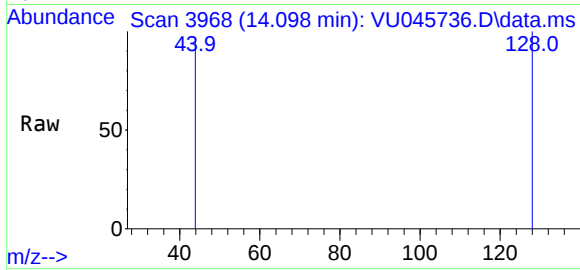
Acq: 11 Nov 2021 14:17

Instrument :

MSVOA\_U

ClientSampleId :

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Tgt Ion:128 Resp: 512

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 13.0#

