

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092921\  
 Data File : VU045001.D  
 Acq On : 29 Sep 2021 18:26  
 Operator : SY/MD  
 Sample : M3893-07  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TRIP-BLANK

Quant Time: Sep 30 04:33:18 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092821W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 28 12:32:13 2021  
 Response via : Initial Calibration

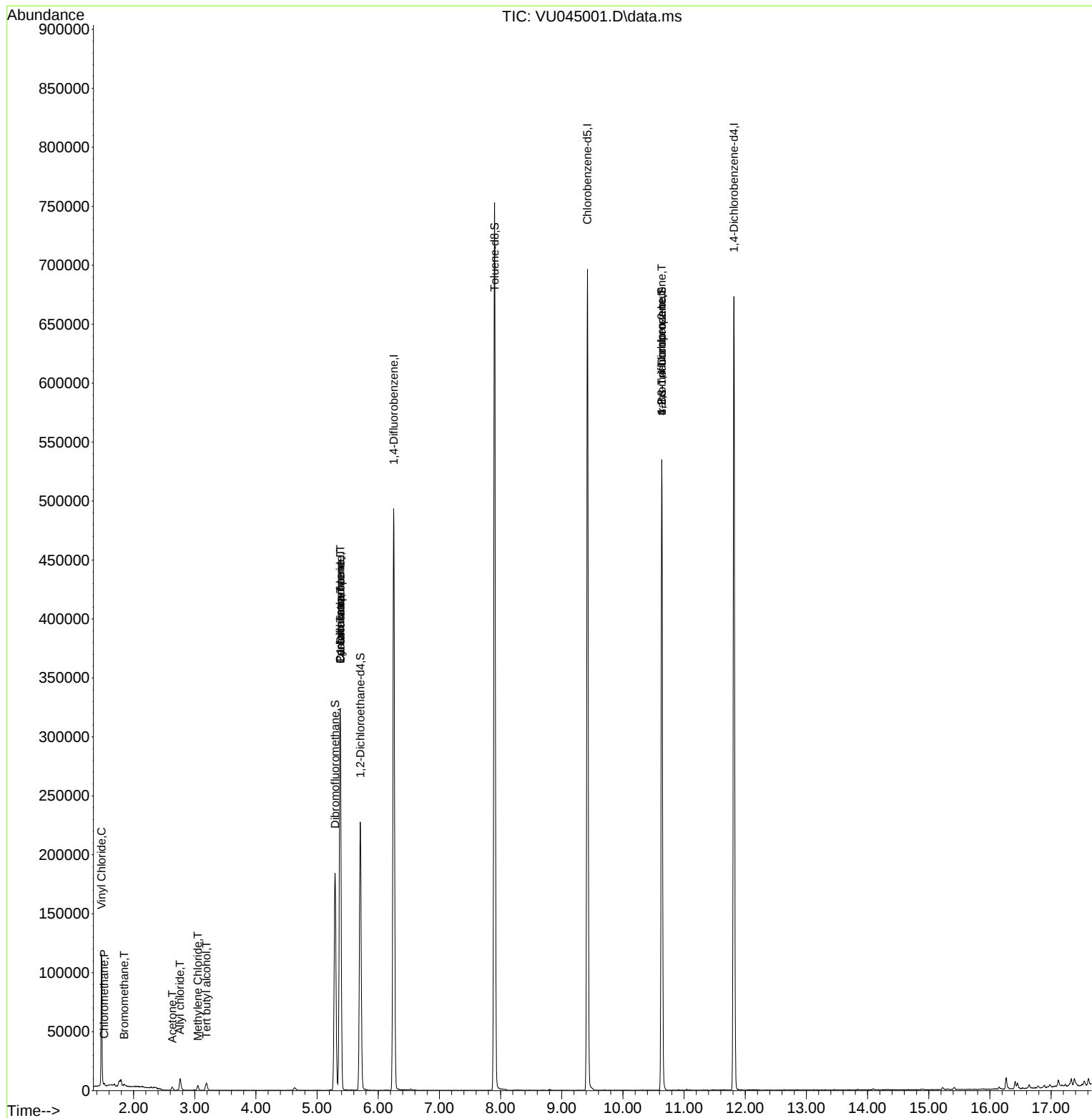
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.378  | 168   | 214074   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.253  | 114   | 383068   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 9.420  | 117   | 357094   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.815 | 152   | 163237   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.706  | 65    | 167892   | 47.114   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 94.220%  |
| 35) Dibromofluoromethane      | 5.295  | 113   | 118019   | 48.838   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 97.680%  |
| 50) Toluene-d8                | 7.902  | 98    | 486327   | 50.935   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 101.860% |
| 62) 4-Bromofluorobenzene      | 10.635 | 95    | 175206   | 44.446   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 88.900%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.520  | 50    | 1254     | 0.365    | ug/l   | 93       |
| 4) Vinyl Chloride             | 1.475  | 62    | 915      | 0.267    | ug/l # | 1        |
| 5) Bromomethane               | 1.848  | 94    | 798      | 0.593    | ug/l # | 77       |
| 11) Tert butyl alcohol        | 3.189  | 59    | 4041     | 3.951    | ug/l # | 72       |
| 14) Allyl chloride            | 2.758  | 41    | 1081     | 0.230    | ug/l # | 65       |
| 16) Acetone                   | 2.633  | 43    | 3445     | 1.629    | ug/l   | 97       |
| 20) Methylene Chloride        | 3.051  | 84    | 1969     | 0.618    | ug/l   | 89       |
| 31) Cyclohexane               | 5.378  | 56    | 5417     | 1.001    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.378  | 75    | 19602    | 4.893    | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.378  | 117   | 22375    | 6.455    | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 10.635 | 75    | 94714    | 19.892   | ug/l # | 41       |
| 81) trans-1,4-Dichloro-2-b... | 10.635 | 75    | 94714    | 55.205   | ug/l # | 9        |
| -----                         |        |       |          |          |        |          |

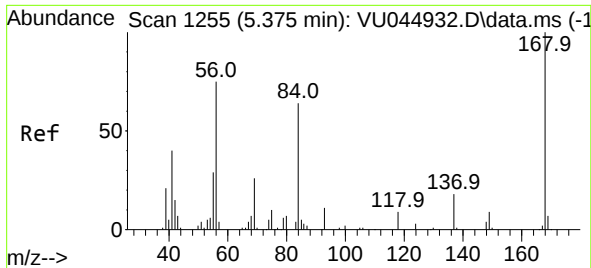
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_U  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092821W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 28 12:32:13 2021  
Response via : Initial Calibration

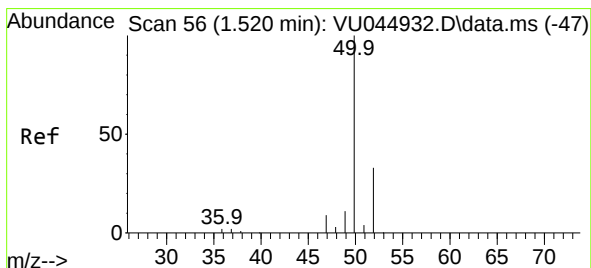
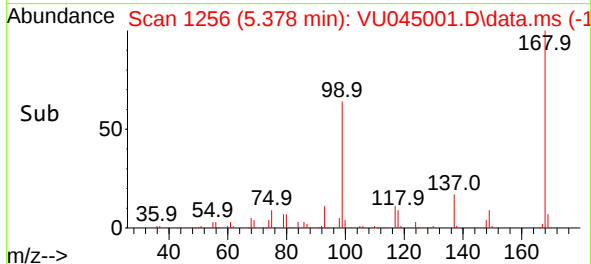
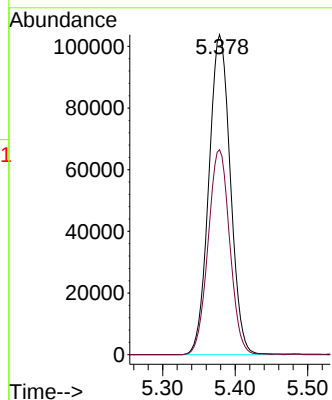
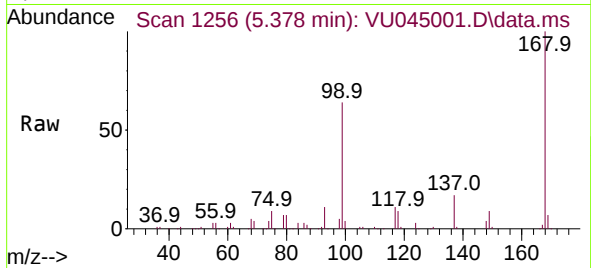




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.378 min Scan# 1256  
Delta R.T. 0.003 min  
Lab File: VU045001.D  
Acq: 29 Sep 2021 18:26

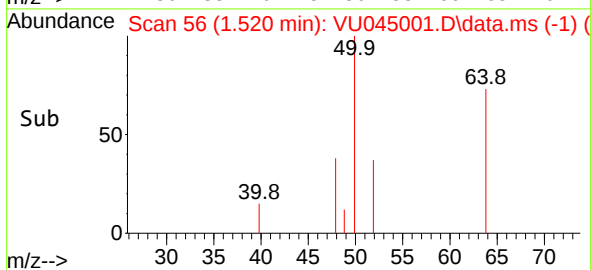
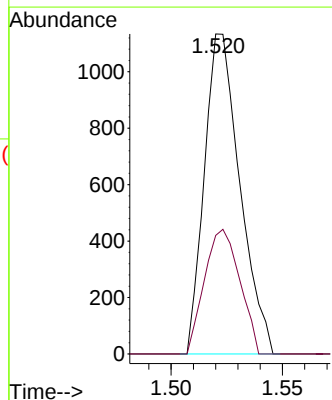
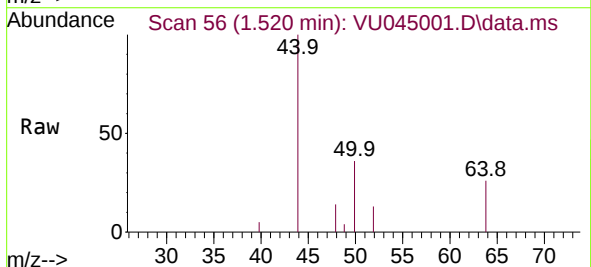
Instrument :  
MSVOA\_U  
ClientSampleId :  
TRIP-BLANK

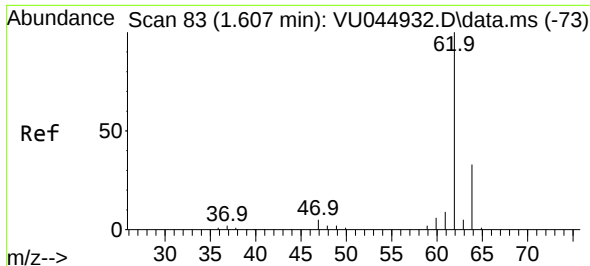
Tgt Ion:168 Resp: 214074  
Ion Ratio Lower Upper  
168 100  
99 64.1 51.4 77.0



#3  
Chloromethane  
Concen: 0.365 ug/l  
RT: 1.520 min Scan# 56  
Delta R.T. 0.000 min  
Lab File: VU045001.D  
Acq: 29 Sep 2021 18:26

Tgt Ion: 50 Resp: 1254  
Ion Ratio Lower Upper  
50 100  
52 37.0 26.3 39.5

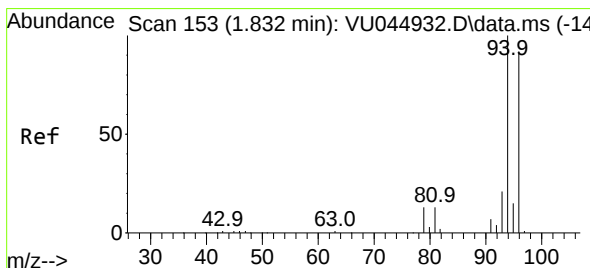
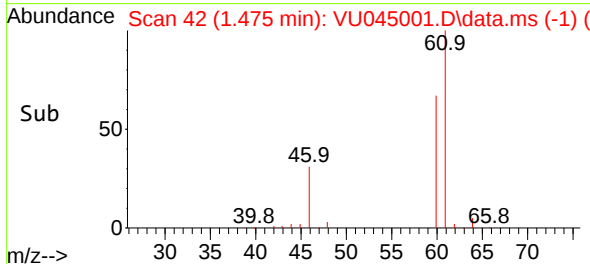
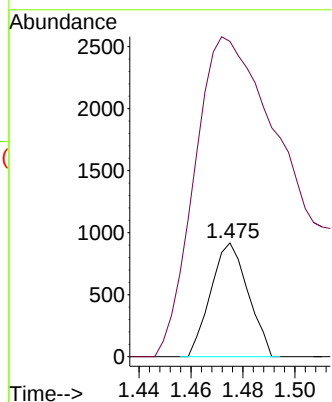
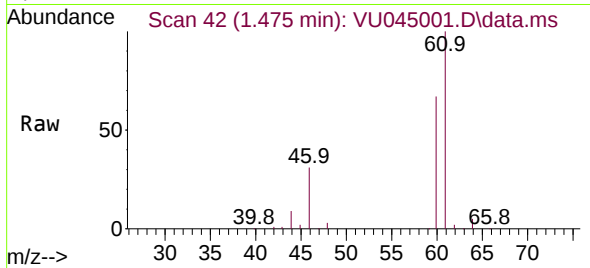




#4  
 Vinyl Chloride  
 Concen: 0.267 ug/l  
 RT: 1.475 min Scan# 42  
 Delta R.T. -0.132 min  
 Lab File: VU045001.D  
 Acq: 29 Sep 2021 18:26

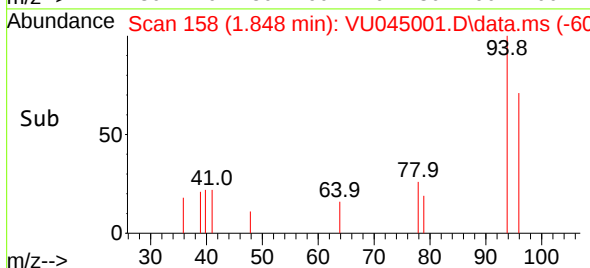
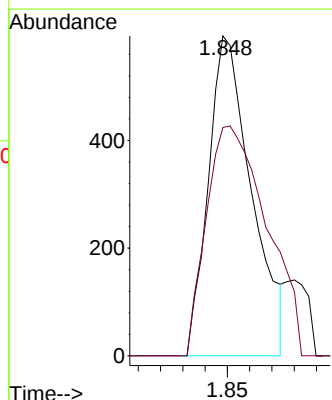
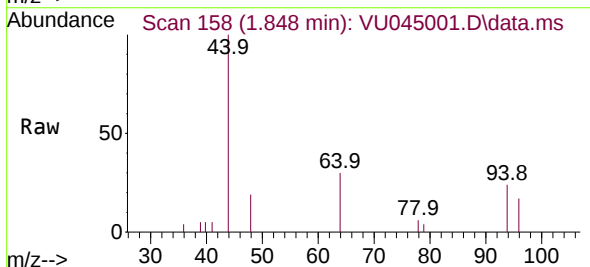
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TRIP-BLANK

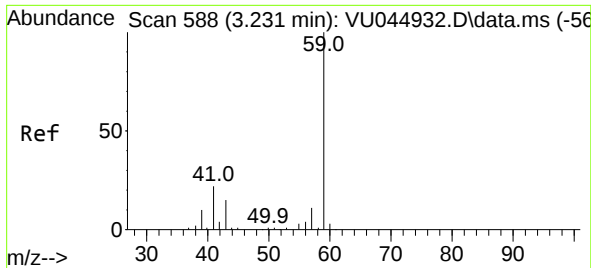
Tgt Ion: 62 Resp: 915  
 Ion Ratio Lower Upper  
 62 100  
 64 204.4 25.6 38.4#



#5  
 Bromomethane  
 Concen: 0.593 ug/l  
 RT: 1.848 min Scan# 158  
 Delta R.T. 0.016 min  
 Lab File: VU045001.D  
 Acq: 29 Sep 2021 18:26

Tgt Ion: 94 Resp: 798  
 Ion Ratio Lower Upper  
 94 100  
 96 71.4 74.5 111.7#

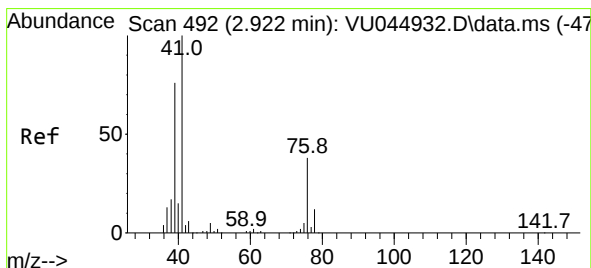
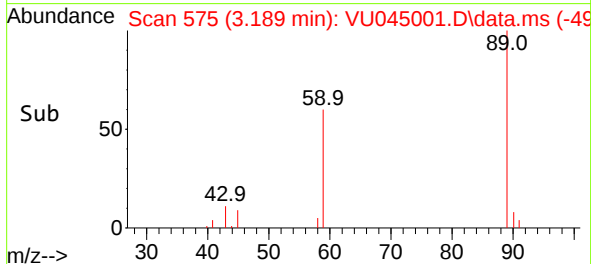
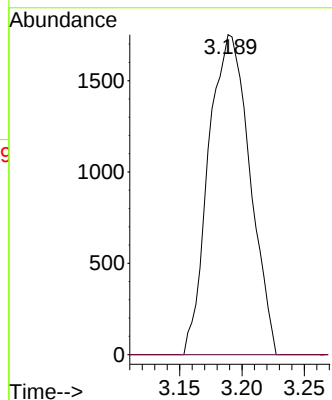
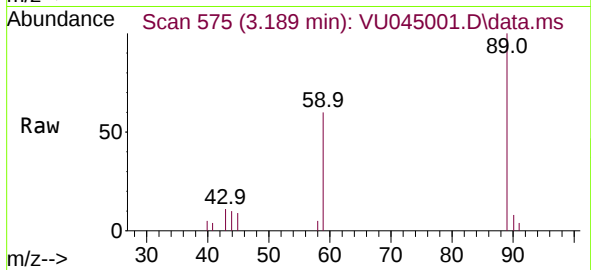




#11  
Tert butyl alcohol  
Concen: 3.951 ug/l  
RT: 3.189 min Scan# 575  
Delta R.T. -0.042 min  
Lab File: VU045001.D  
Acq: 29 Sep 2021 18:26

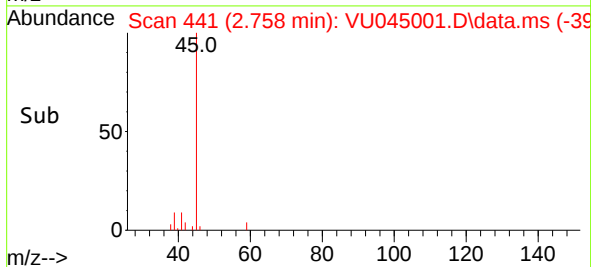
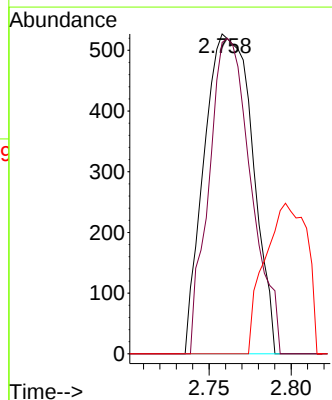
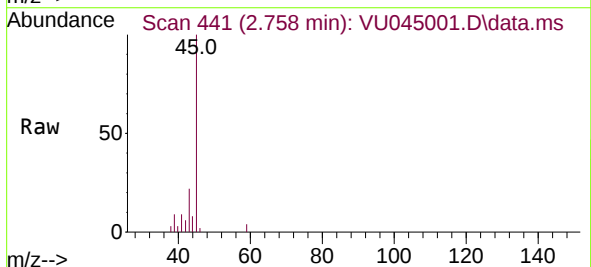
Instrument :  
MSVOA\_U  
ClientSampleId :  
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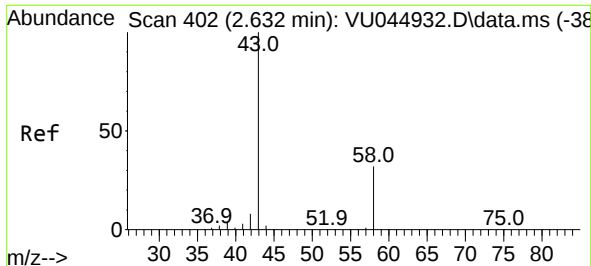
Tgt Ion: 59 Resp: 4041  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#



#14  
Allyl chloride  
Concen: 0.230 ug/l  
RT: 2.758 min Scan# 441  
Delta R.T. -0.164 min  
Lab File: VU045001.D  
Acq: 29 Sep 2021 18:26

Tgt Ion: 41 Resp: 1081  
Ion Ratio Lower Upper  
41 100  
39 86.0 53.0 79.6#  
76 0.0 25.7 38.5#

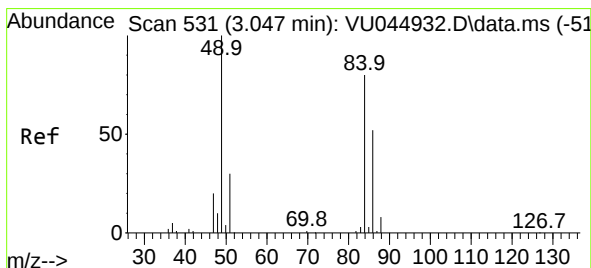
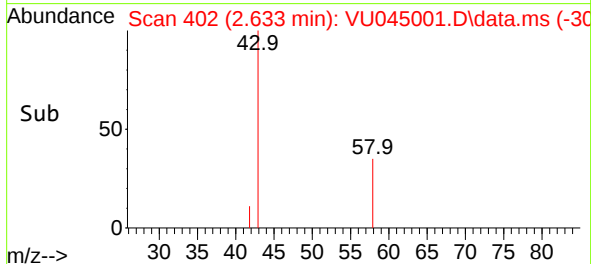
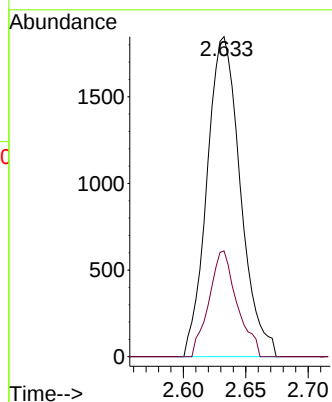
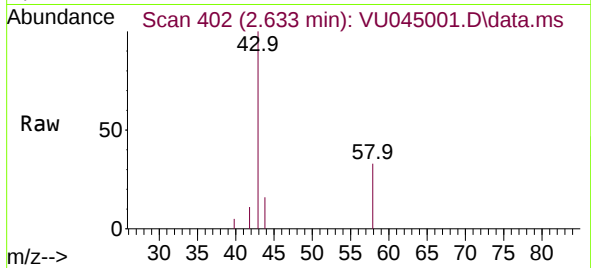




#16  
Acetone  
Concen: 1.629 ug/l  
RT: 2.633 min Scan# 402  
Delta R.T. 0.001 min  
Lab File: VU045001.D  
Acq: 29 Sep 2021 18:26

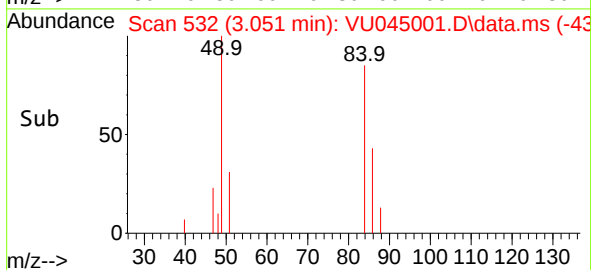
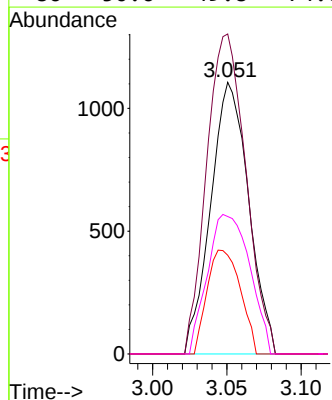
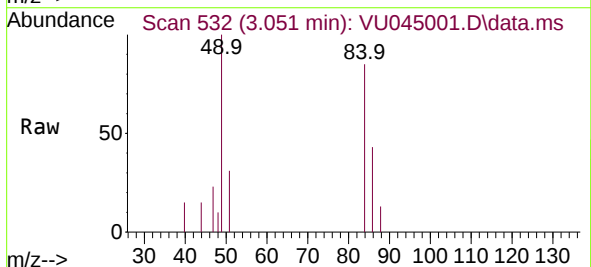
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ClientSampleId :  
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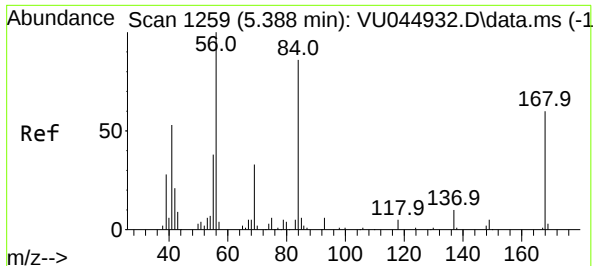
Tgt Ion: 43 Resp: 3445  
Ion Ratio Lower Upper  
43 100  
58 33.1 25.2 37.8



#20  
Methylene Chloride  
Concen: 0.618 ug/l  
RT: 3.051 min Scan# 532  
Delta R.T. 0.003 min  
Lab File: VU045001.D  
Acq: 29 Sep 2021 18:26

Tgt Ion: 84 Resp: 1969  
Ion Ratio Lower Upper  
84 100  
49 117.8 104.9 157.3  
51 36.3 31.8 47.8  
86 50.6 49.8 74.6

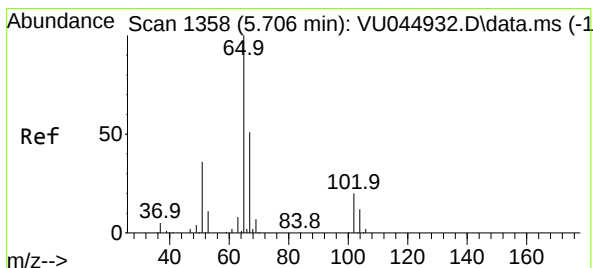
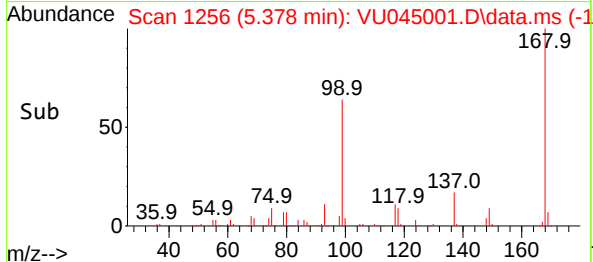
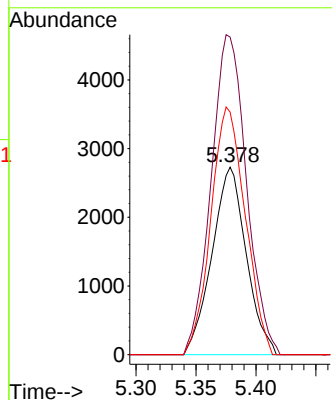
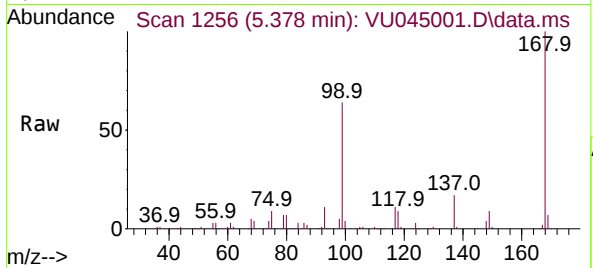




#31  
Cyclohexane  
Concen: 1.001 ug/l  
RT: 5.378 min Scan# 1256  
Delta R.T. -0.010 min  
Lab File: VU045001.D  
Acq: 29 Sep 2021 18:26

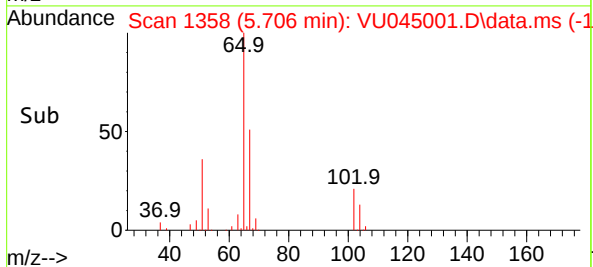
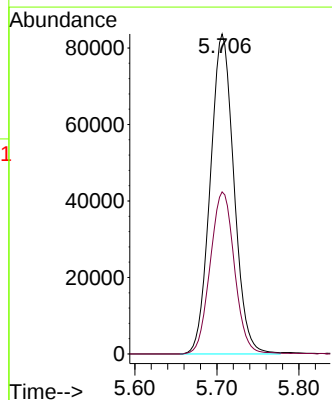
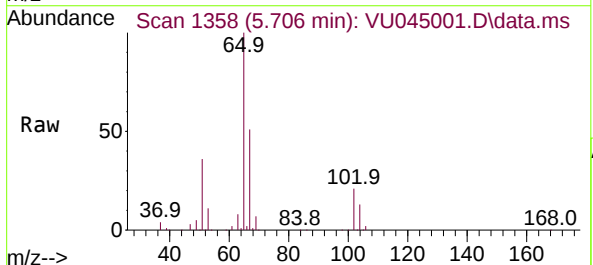
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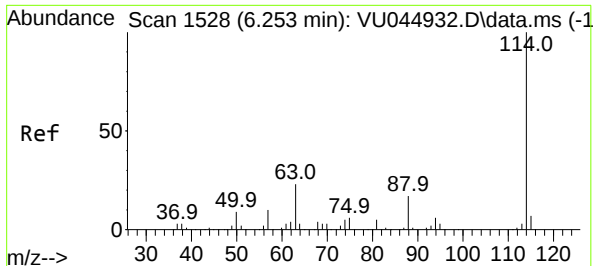
Tgt Ion: 56 Resp: 5417  
Ion Ratio Lower Upper  
56 100  
69 169.3 25.2 37.8#  
84 129.3 66.4 99.6#



#33  
1,2-Dichloroethane-d4  
Concen: 47.114 ug/l  
RT: 5.706 min Scan# 1358  
Delta R.T. 0.000 min  
Lab File: VU045001.D  
Acq: 29 Sep 2021 18:26

Tgt Ion: 65 Resp: 167892  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. -0.000 min

Lab File: VU045001.D

Acq: 29 Sep 2021 18:26

Tgt Ion:114 Resp: 383068

Ion Ratio Lower Upper

114 100

63 22.7 0.0 47.8

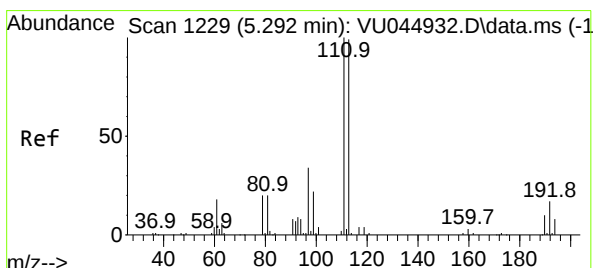
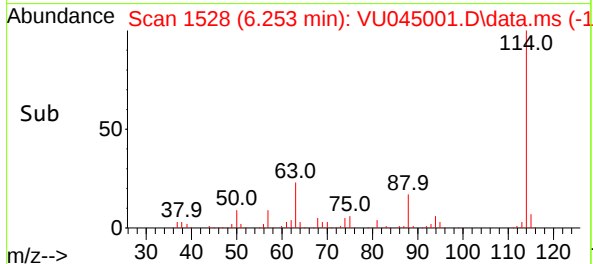
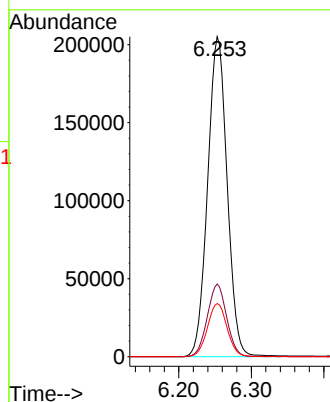
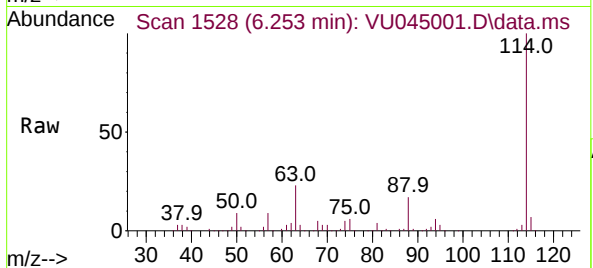
88 16.6 0.0 32.8

Instrument :

MSVOA\_U

ClientSampleId :

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#35

Dibromofluoromethane

Concen: 48.838 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. 0.003 min

Lab File: VU045001.D

Acq: 29 Sep 2021 18:26

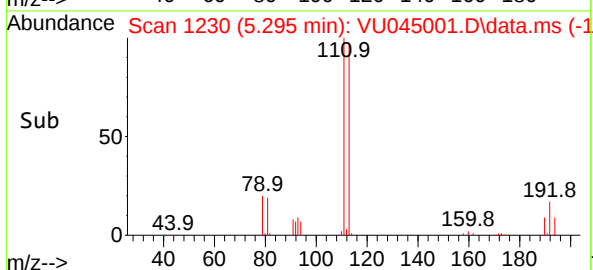
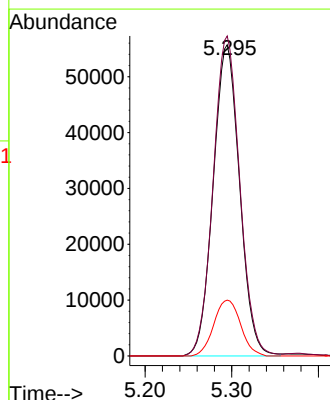
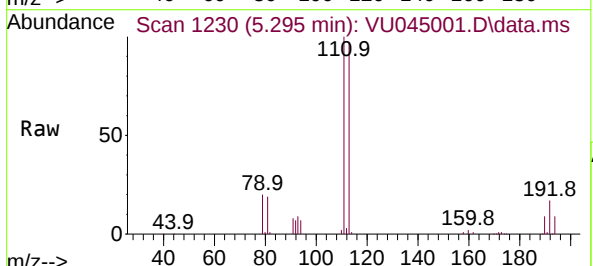
Tgt Ion:113 Resp: 118019

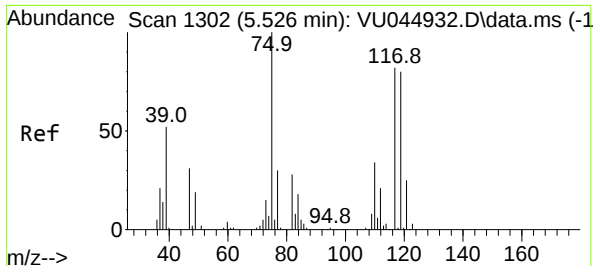
Ion Ratio Lower Upper

113 100

111 103.5 84.1 126.1

192 18.2 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.893 ug/l

RT: 5.378 min Scan# 1256

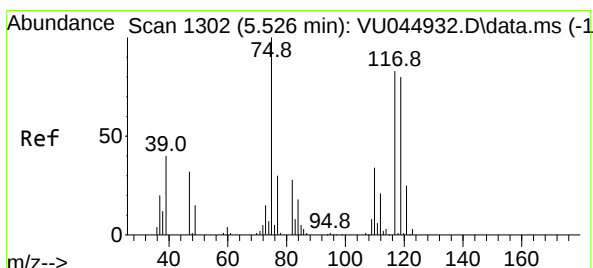
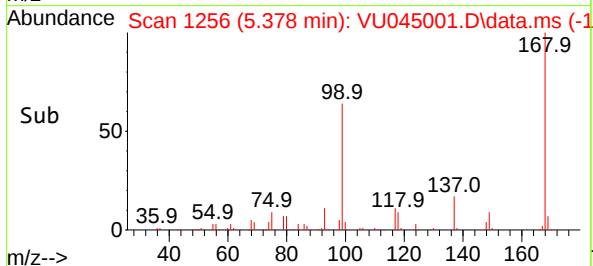
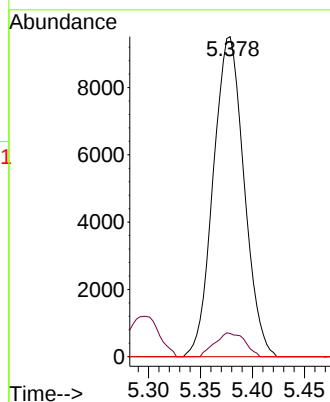
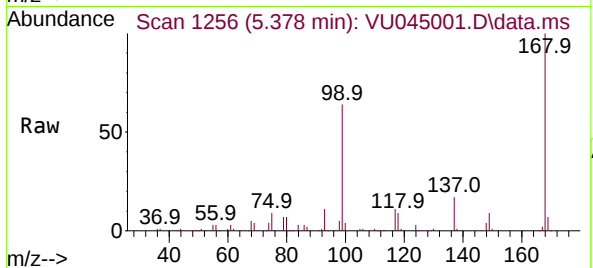
Delta R.T. -0.148 min

Lab File: VU045001.D

Acq: 29 Sep 2021 18:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 19602 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 7.2   | 16.3  | 48.9# |
| 77       | 0.0   | 25.0  | 37.4# |

Instrument :  
MSVOA\_U  
ClientSampleId :  
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#38

Carbon Tetrachloride

Concen: 6.455 ug/l

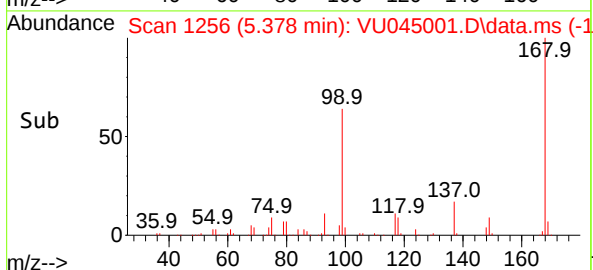
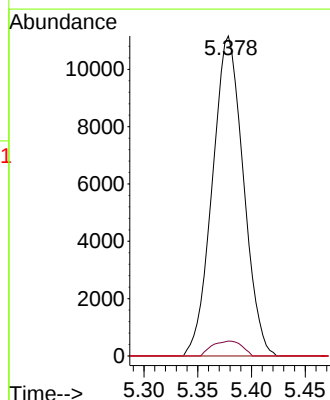
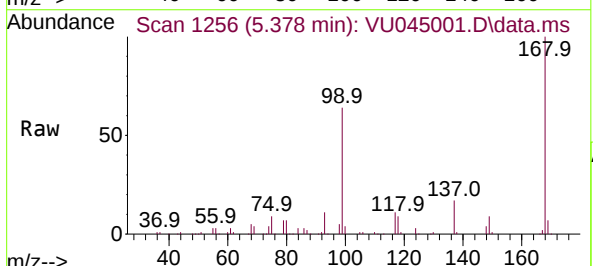
RT: 5.378 min Scan# 1256

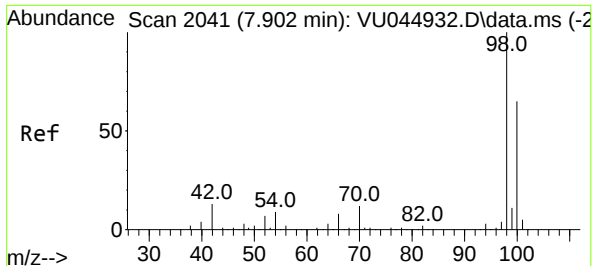
Delta R.T. -0.148 min

Lab File: VU045001.D

Acq: 29 Sep 2021 18:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 22375  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 4.7   | 77.4  | 116.2# |
| 121      | 0.0   | 24.5  | 36.7#  |

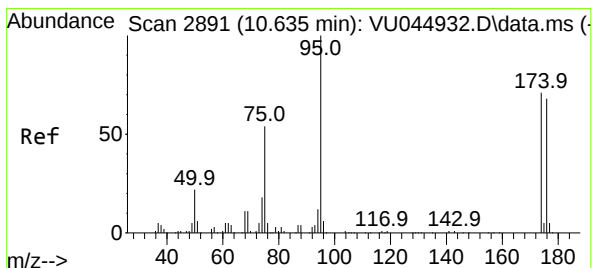
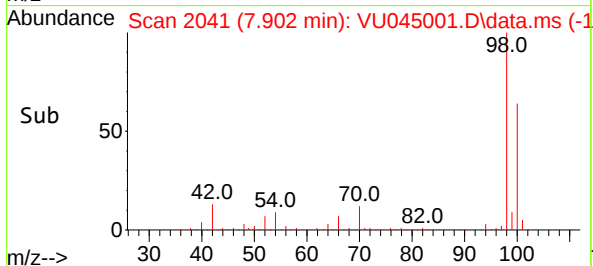
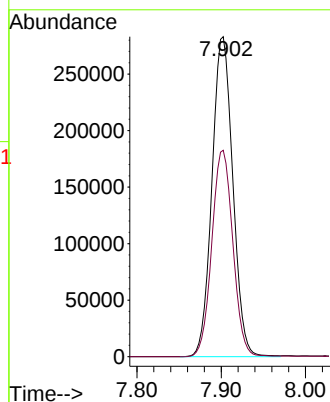
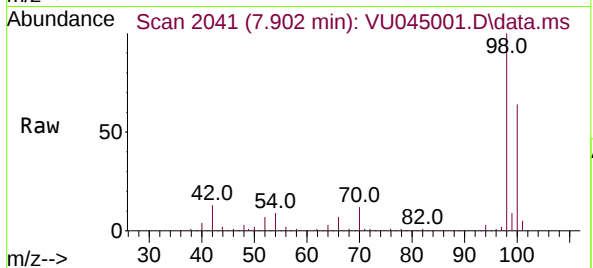




#50  
Toluene-d8  
Concen: 50.935 ug/l  
RT: 7.902 min Scan# 2041  
Delta R.T. 0.000 min  
Lab File: VU045001.D  
Acq: 29 Sep 2021 18:26

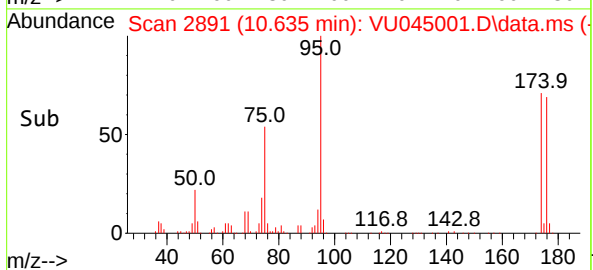
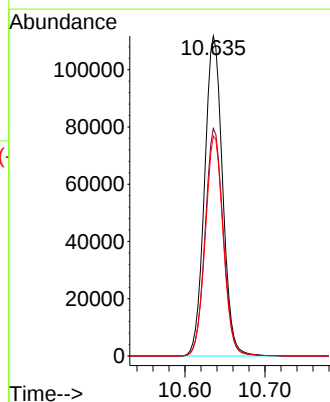
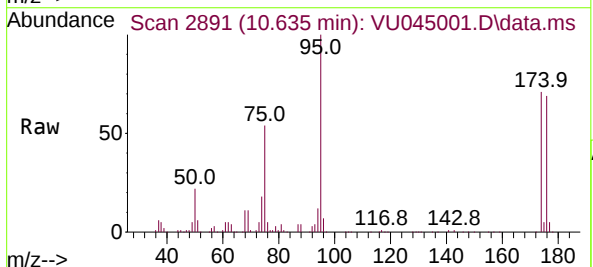
Instrument :  
MSVOA\_U  
ClientSampleId :  
TRIP-BLANK

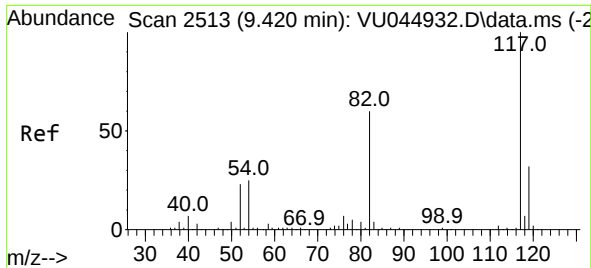
Tgt Ion: 98 Resp: 486327  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.5 78.7



#62  
4-Bromofluorobenzene  
Concen: 44.446 ug/l  
RT: 10.635 min Scan# 2891  
Delta R.T. 0.000 min  
Lab File: VU045001.D  
Acq: 29 Sep 2021 18:26

Tgt Ion: 95 Resp: 175206  
Ion Ratio Lower Upper  
95 100  
174 71.6 0.0 146.6  
176 68.5 0.0 141.2

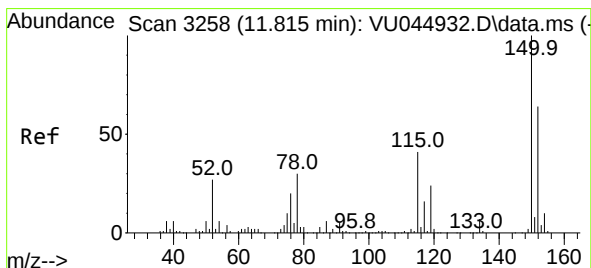
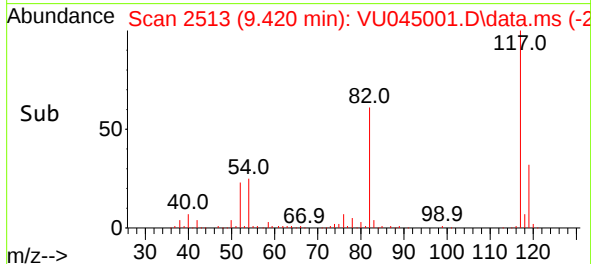
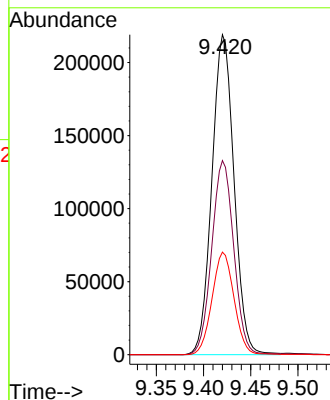
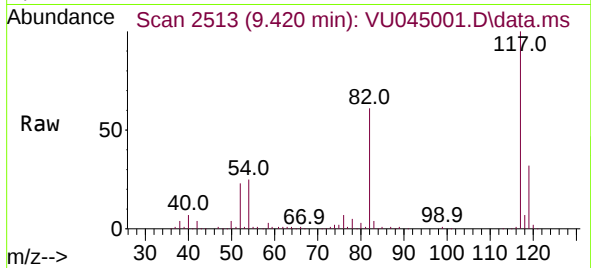




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.420 min Scan# 2513  
Delta R.T. 0.000 min  
Lab File: VU045001.D  
Acq: 29 Sep 2021 18:26

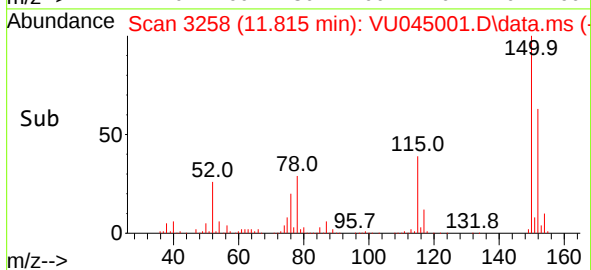
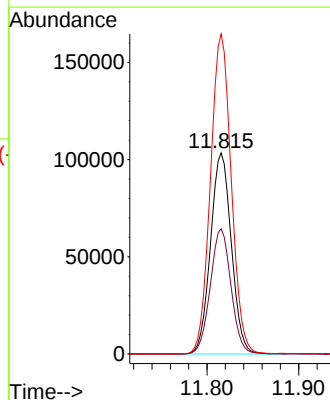
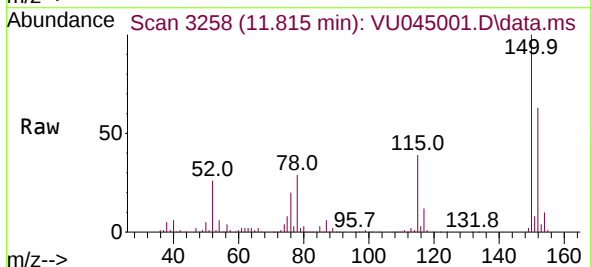
Instrument :  
MSVOA\_U  
ClientSampleId :  
TRIP-BLANK

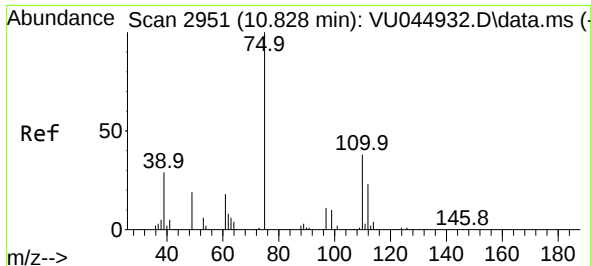
Tgt Ion:117 Resp: 357094  
Ion Ratio Lower Upper  
117 100  
82 60.6 47.8 71.8  
119 32.1 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.815 min Scan# 3258  
Delta R.T. 0.000 min  
Lab File: VU045001.D  
Acq: 29 Sep 2021 18:26

Tgt Ion:152 Resp: 163237  
Ion Ratio Lower Upper  
152 100  
115 62.0 43.5 130.7  
150 158.9 0.0 350.0

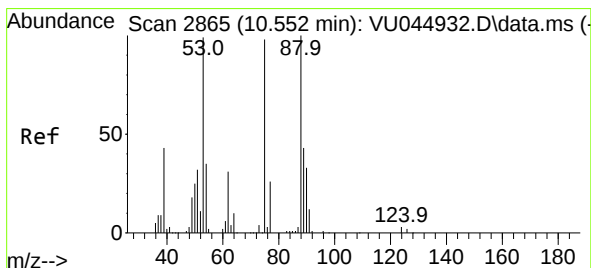
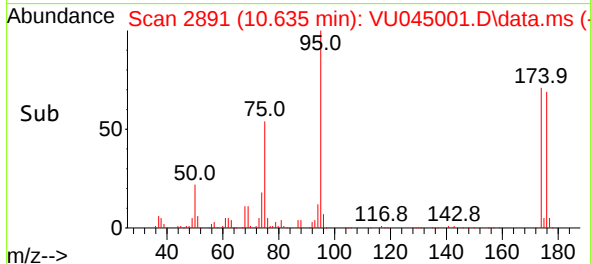
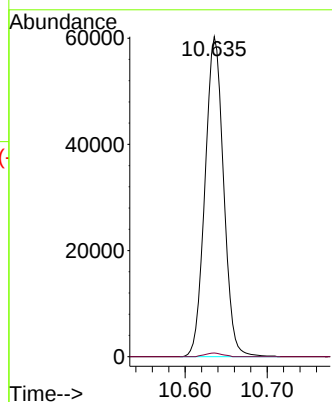
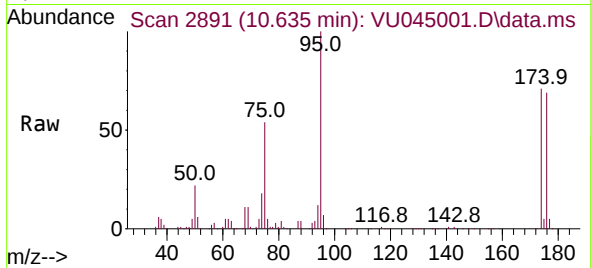




#76  
1,2,3-Trichloropropane  
Concen: 19.892 ug/l  
RT: 10.635 min Scan# 2891  
Delta R.T. -0.193 min  
Lab File: VU045001.D  
Acq: 29 Sep 2021 18:26

Instrument :  
MSVOA\_U  
ClientSampleId :  
TRIP-BLANK

Tgt Ion: 75 Resp: 94714  
Ion Ratio Lower Upper  
75 100  
77 1.1 17.9 53.7#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 55.205 ug/l  
RT: 10.635 min Scan# 2891  
Delta R.T. 0.083 min  
Lab File: VU045001.D  
Acq: 29 Sep 2021 18:26

Tgt Ion: 75 Resp: 94714  
Ion Ratio Lower Upper  
75 100  
53 0.0 82.0 123.0#  
89 0.0 34.2 51.4#

