

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU032124\  
 Data File : VU058184.D  
 Acq On : 21 Mar 2024 14:08  
 Operator : MD/SY  
 Sample : VIBLK  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Mar 22 05:02:16 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR032124WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Mar 22 04:55:54 2024  
 Response via : Initial Calibration

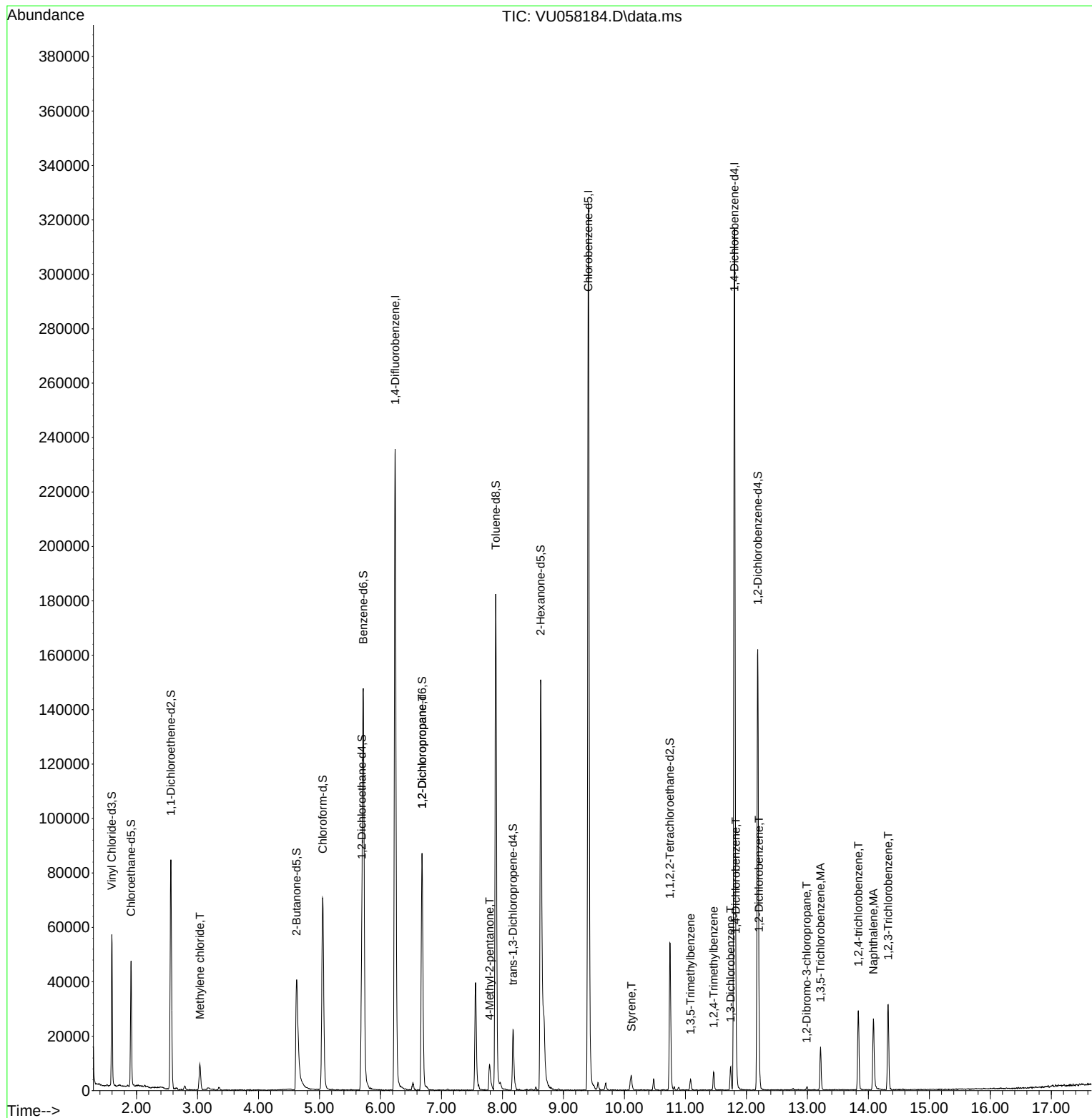
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 194225   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 180299   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 81732    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 38609    | 2.352    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 47.000%  |
| 7) Chloroethane-d5            | 1.911  | 69    | 32163    | 2.401    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 48.000%# |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 16301    | 2.392    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 47.800%# |
| 20) 2-Butanone-d5             | 4.624  | 46    | 71590    | 24.551   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 49.100%  |
| 24) Chloroform-d              | 5.052  | 84    | 67714    | 2.308    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 46.200%# |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 33193    | 2.420    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 48.400%# |
| 32) Benzene-d6                | 5.717  | 84    | 142983   | 2.442    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 48.800%# |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 44124    | 2.557    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 51.200%# |
| 41) Toluene-d8                | 7.891  | 98    | 125457   | 2.418    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 48.400%# |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 14185    | 2.565    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 51.400%# |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 56101    | 25.050   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 50.100%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 27423    | 2.439    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 48.800%# |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 41074    | 2.699    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 54.000%# |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 16) Methylene chloride        | 3.039  | 84    | 4616     | 0.335    | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.682  | 63    | 4664     | 0.353    | ug/L # | 90       |
| 40) 4-Methyl-2-pentanone      | 7.791  | 43    | 7768     | 1.161    | ug/L # | 90       |
| 55) Styrene                   | 10.116 | 104   | 2699     | 0.085    | ug/L   | 87       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105   | 3091     | 0.075    | ug/L   | 93       |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105   | 4437     | 0.108    | ug/L   | 92       |
| 64) 1,3-Dichlorobenzene       | 11.743 | 146   | 3725     | 0.163    | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146   | 5115     | 0.231    | ug/L   | 94       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146   | 4306     | 0.204    | ug/L   | 94       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75    | 98       | 0.095    | ug/L # | 85       |
| 69) 1,3,5-Trichlorobenzene    | 13.216 | 180   | 5023     | 0.314    | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180   | 9293     | 0.779    | ug/L   | 95       |
| 71) Naphthalene               | 14.084 | 128   | 23840    | 1.468    | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180   | 9930     | 1.017    | ug/L   | 96       |
| -----                         |        |       |          |          |        |          |

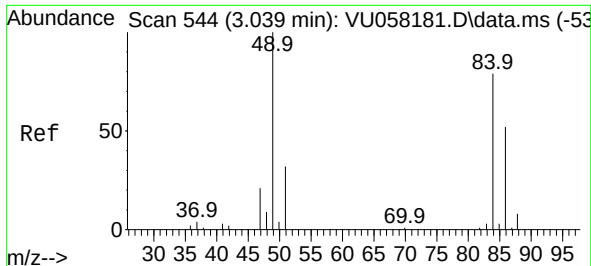
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU032124\  
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ALS Vial : 7 Sample Multiplier: 1

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MSVOA\_U  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR032124WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Mar 22 04:55:54 2024  
Response via : Initial Calibration

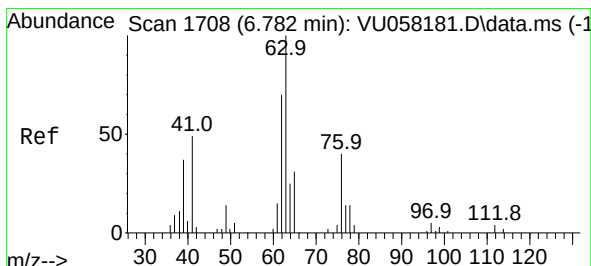
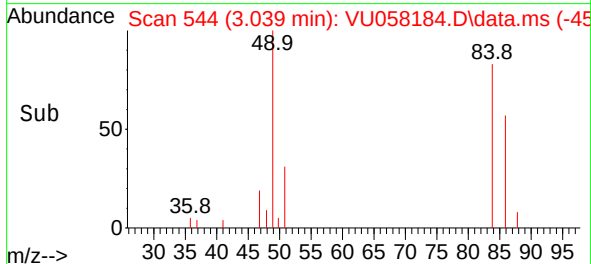
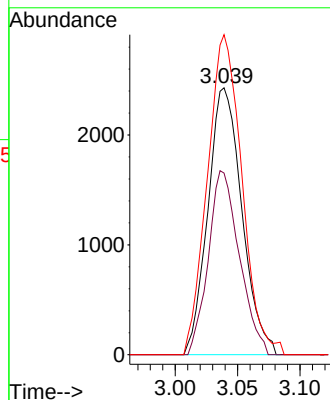
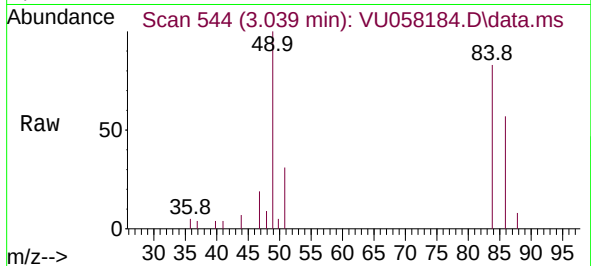




#16  
Methylene chloride  
Concen: 0.335 ug/L  
RT: 3.039 min Scan# 544  
Delta R.T. -0.000 min  
Lab File: VU058184.D  
Acq: 21 Mar 2024 14:08

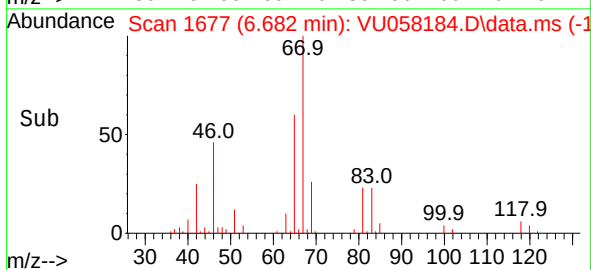
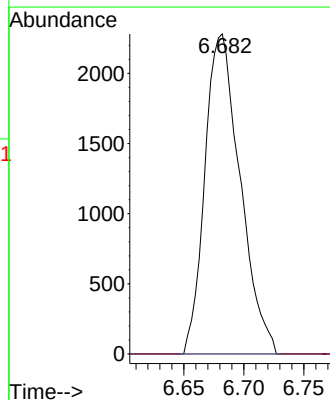
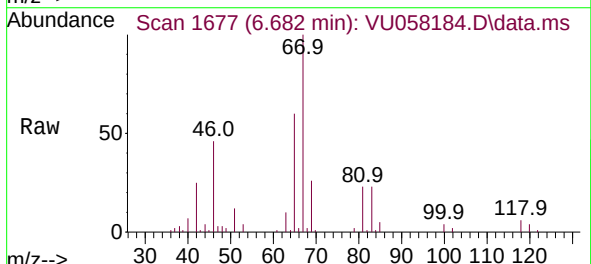
Instrument :  
MSVOA\_U  
ClientSampleId :

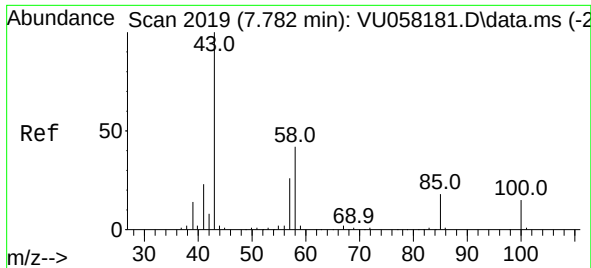
Tgt Ion: 84 Resp: 4616  
Ion Ratio Lower Upper  
84 100  
86 68.0 45.6 84.6  
49 125.9 88.3 163.9



#37  
1,2-Dichloropropane  
Concen: 0.353 ug/L  
RT: 6.682 min Scan# 1677  
Delta R.T. -0.100 min  
Lab File: VU058184.D  
Acq: 21 Mar 2024 14:08

Tgt Ion: 63 Resp: 4664  
Ion Ratio Lower Upper  
63 100  
112 0.0 2.7 4.1#

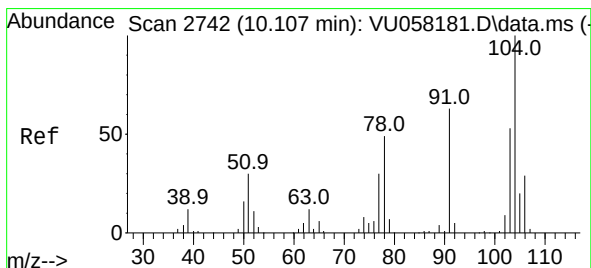
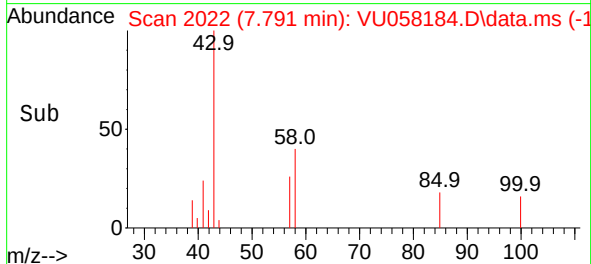
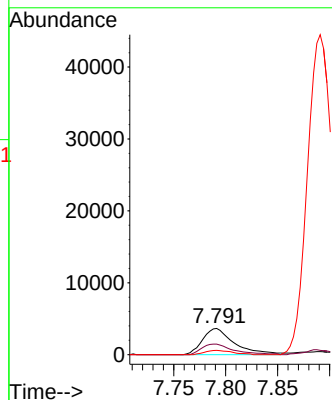
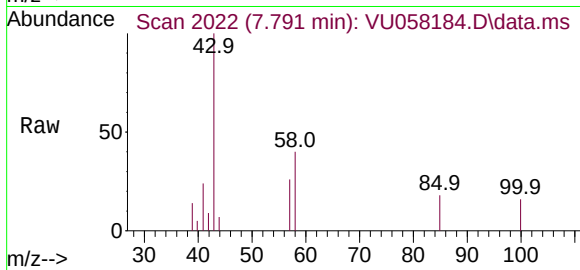




#40  
4-Methyl-2-pentanone  
Concen: 1.161 ug/L  
RT: 7.791 min Scan# 2019  
Delta R.T. 0.009 min  
Lab File: VU058184.D  
Acq: 21 Mar 2024 14:08

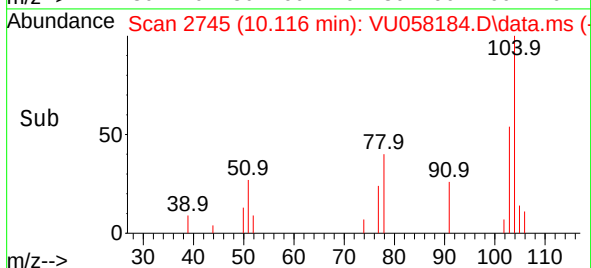
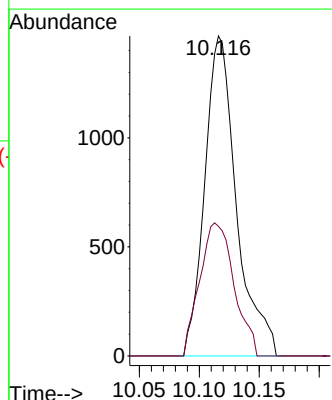
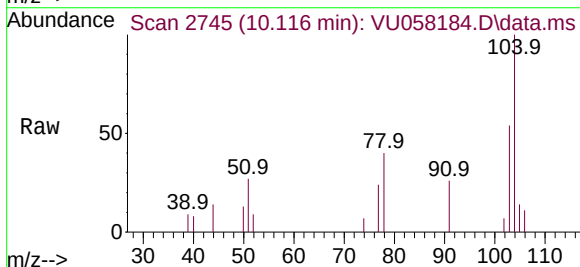
Instrument :  
MSVOA\_U  
ClientSampleId :

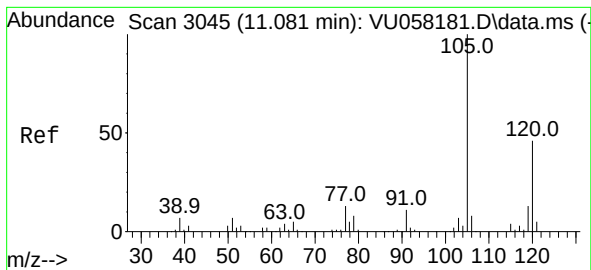
Tgt Ion: 43 Resp: 7768  
Ion Ratio Lower Upper  
43 100  
58 40.6 33.2 49.8  
100 0.0 11.5 17.3#



#55  
Styrene  
Concen: 0.085 ug/L  
RT: 10.116 min Scan# 2745  
Delta R.T. 0.009 min  
Lab File: VU058184.D  
Acq: 21 Mar 2024 14:08

Tgt Ion: 104 Resp: 2699  
Ion Ratio Lower Upper  
104 100  
78 40.5 34.5 64.1





#62

1,3,5-Trimethylbenzene

Concen: 0.075 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU058184.D

Acq: 21 Mar 2024 14:08

Instrument :

MSVOA\_U

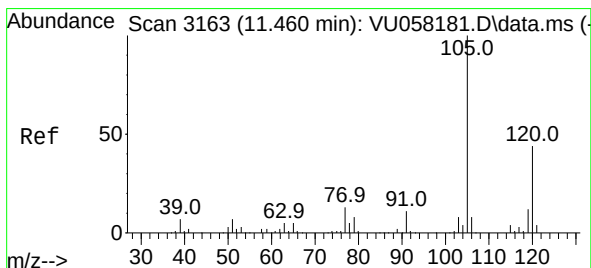
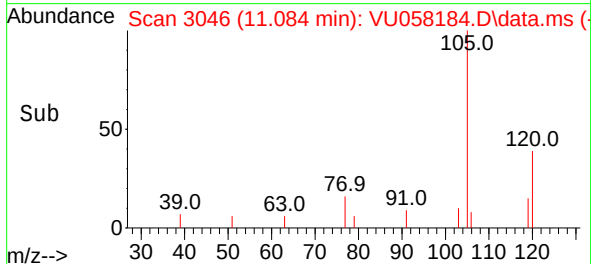
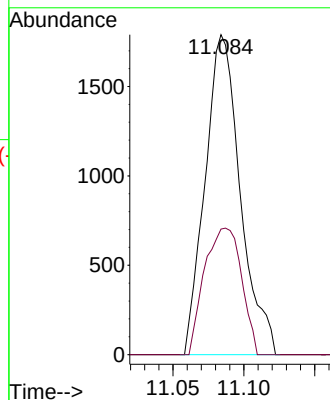
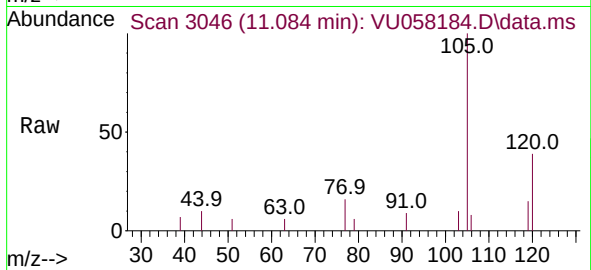
ClientSampleId :

Tgt Ion:105 Resp: 3091

Ion Ratio Lower Upper

105 100

120 41.6 36.7 55.1



#63

1,2,4-Trimethylbenzene

Concen: 0.108 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU058184.D

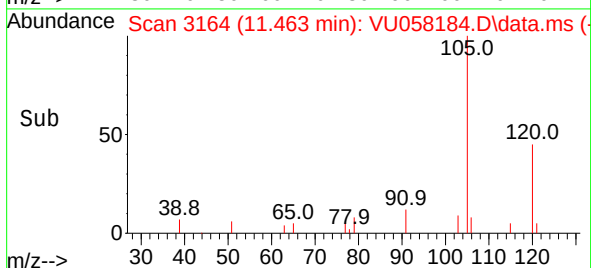
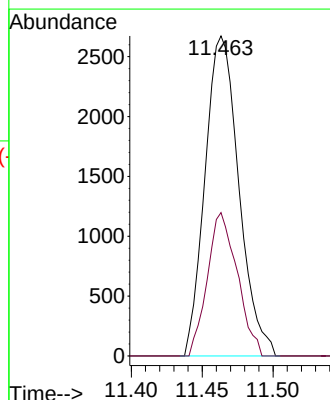
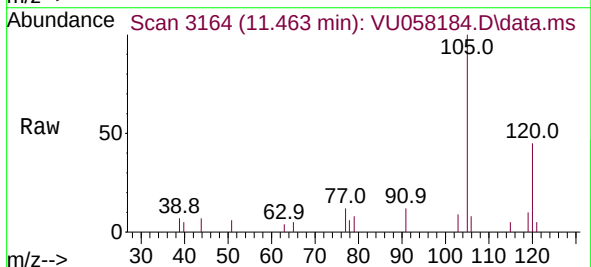
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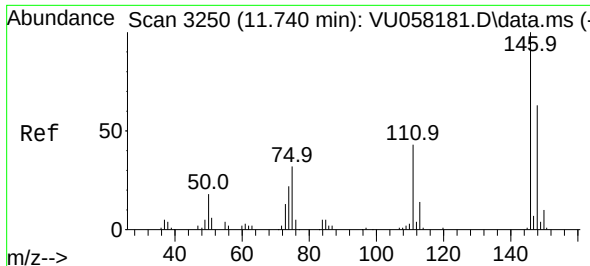
Tgt Ion:105 Resp: 4437

Ion Ratio Lower Upper

105 100

120 39.6 35.9 53.9

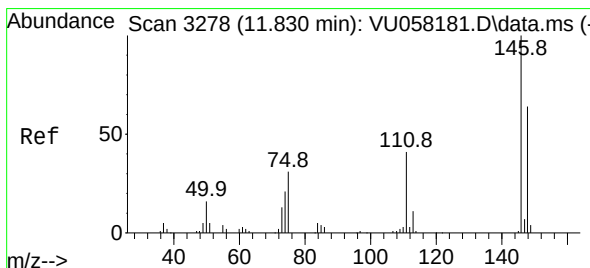
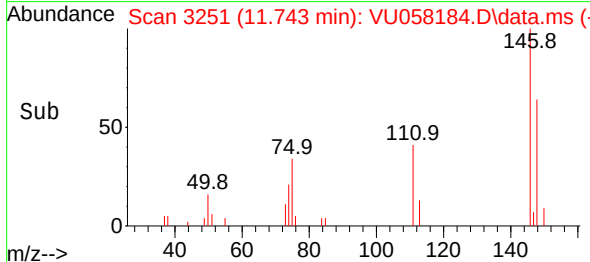
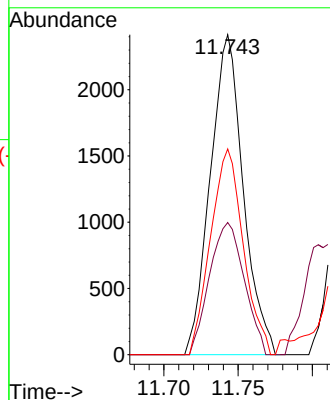
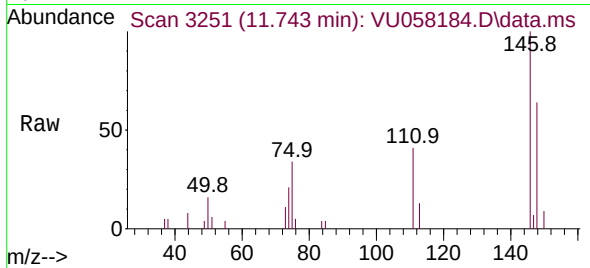




#64  
1,3-Dichlorobenzene  
Concen: 0.163 ug/L  
RT: 11.743 min Scan# 3251  
Delta R.T. 0.003 min  
Lab File: VU058184.D  
Acq: 21 Mar 2024 14:08

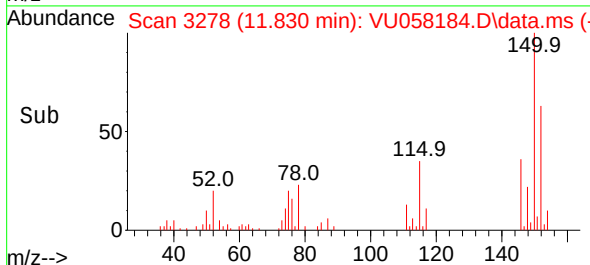
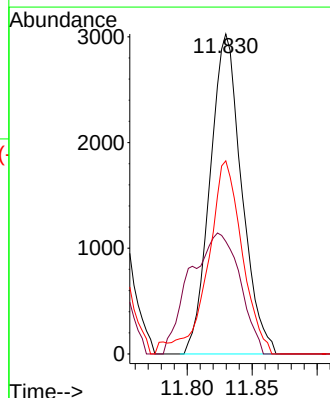
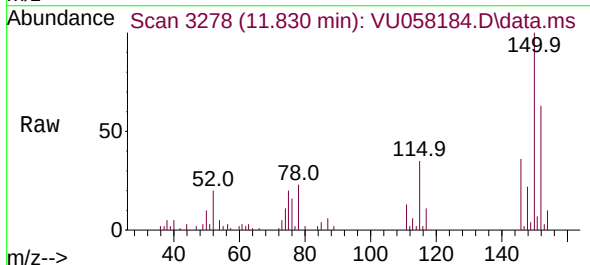
Instrument :  
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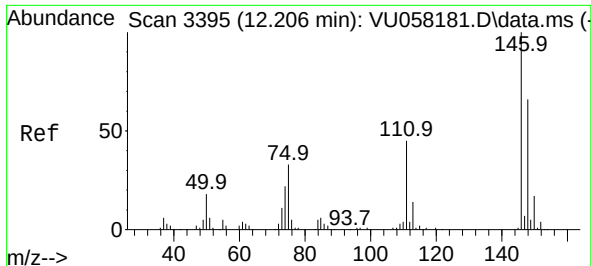
Tgt Ion:146 Resp: 3725  
Ion Ratio Lower Upper  
146 100  
111 41.3 29.9 55.5  
148 64.3 44.4 82.4



#65  
1,4-Dichlorobenzene  
Concen: 0.231 ug/L  
RT: 11.830 min Scan# 3278  
Delta R.T. -0.000 min  
Lab File: VU058184.D  
Acq: 21 Mar 2024 14:08

Tgt Ion:146 Resp: 5115  
Ion Ratio Lower Upper  
146 100  
111 35.2 29.0 53.8  
148 60.4 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 0.204 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

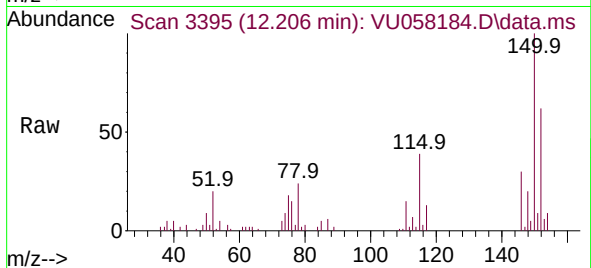
Lab File: VU058184.D

Acq: 21 Mar 2024 14:08

Instrument :

MSVOA\_U

ClientSampleId :



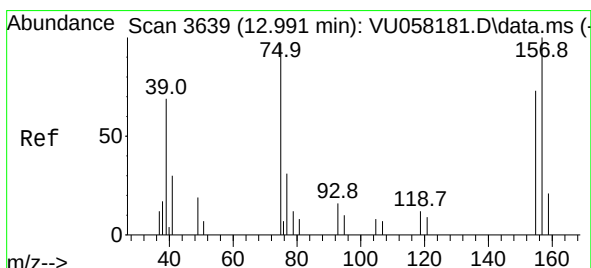
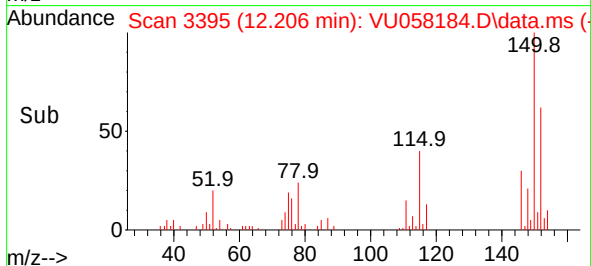
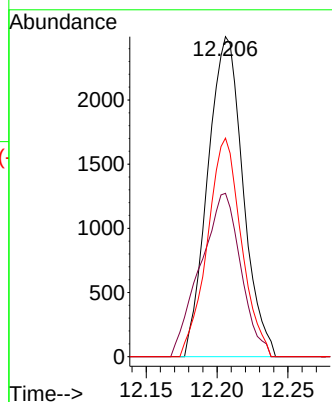
Tgt Ion:146 Resp: 4306

Ion Ratio Lower Upper

146 100

111 51.1 35.9 53.9

148 68.3 52.4 78.6



#68

1,2-Dibromo-3-chloropropane

Concen: 0.095 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU058184.D

Acq: 21 Mar 2024 14:08

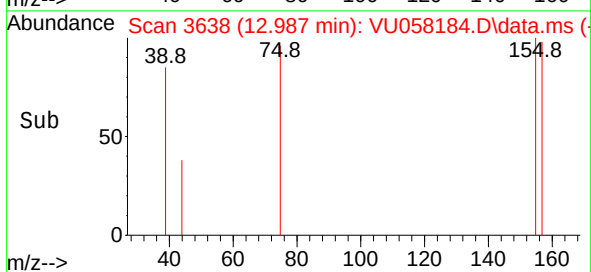
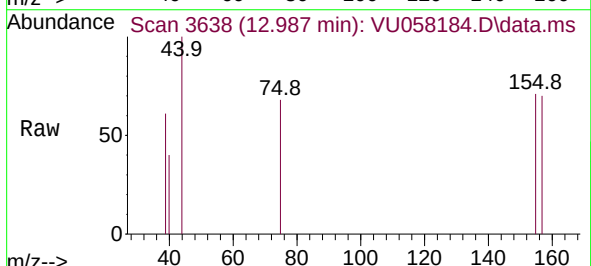
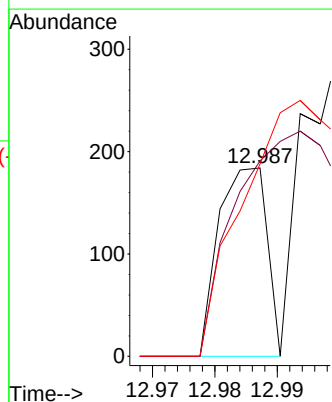
Tgt Ion: 75 Resp: 98

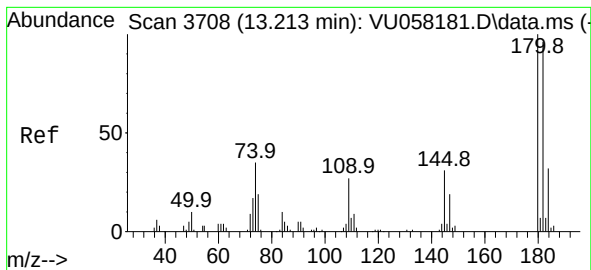
Ion Ratio Lower Upper

75 100

155 103.8 60.2 90.2#

157 102.2 82.6 123.8





#69

1,3,5-Trichlorobenzene

Concen: 0.314 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.003 min

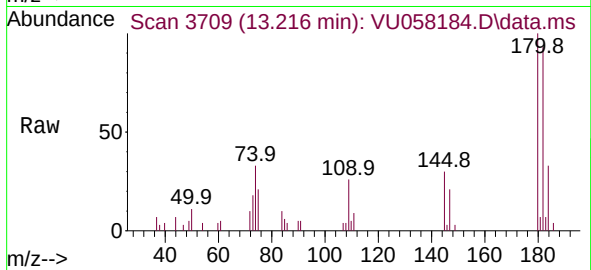
Lab File: VU058184.D

Acq: 21 Mar 2024 14:08

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion:180 Resp: 5023

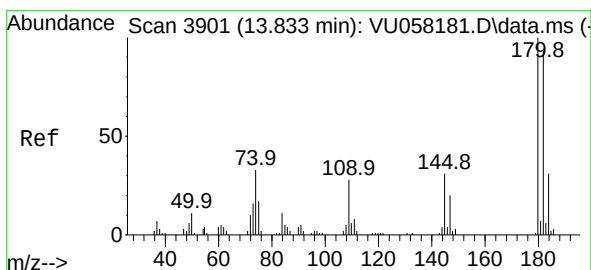
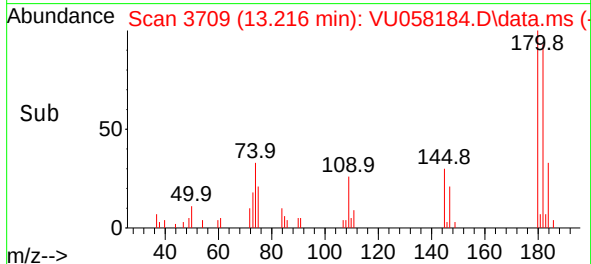
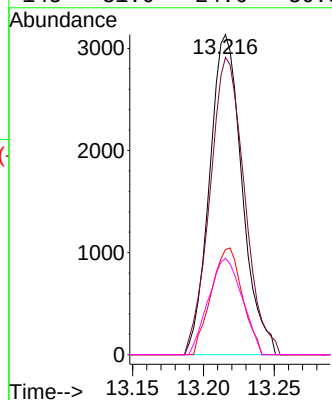
Ion Ratio Lower Upper

180 100

182 98.4 75.4 113.0

184 31.8 24.8 37.2

145 31.0 24.6 36.8



#70

1,2,4-trichlorobenzene

Concen: 0.779 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU058184.D

Acq: 21 Mar 2024 14:08

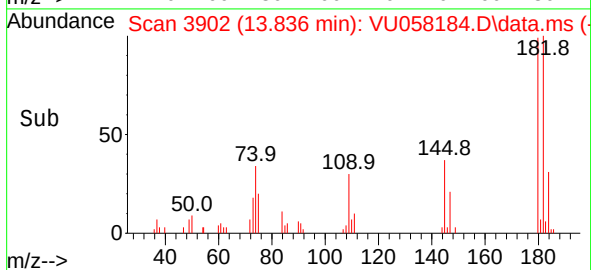
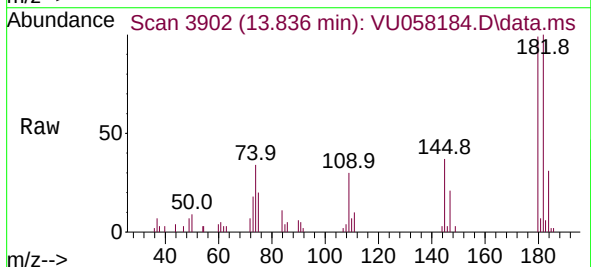
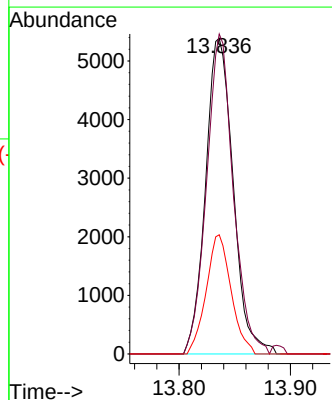
Tgt Ion:180 Resp: 9293

Ion Ratio Lower Upper

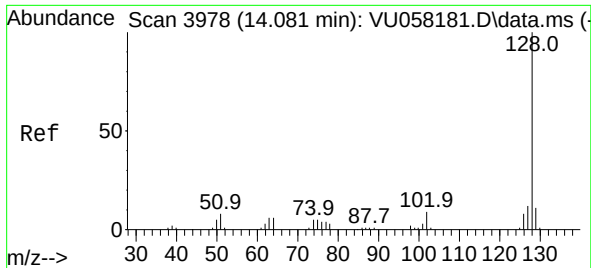
180 100

182 97.6 74.5 111.7

145 34.0 24.5 36.7

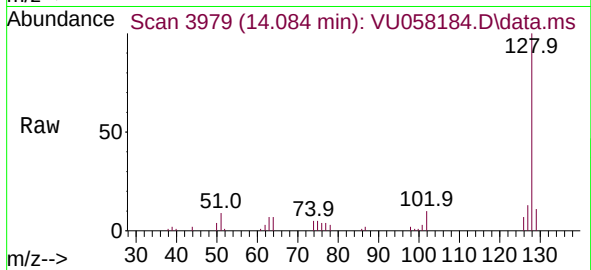




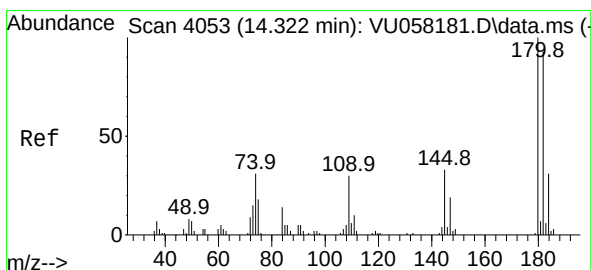
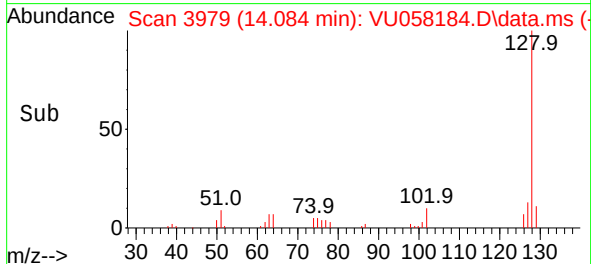
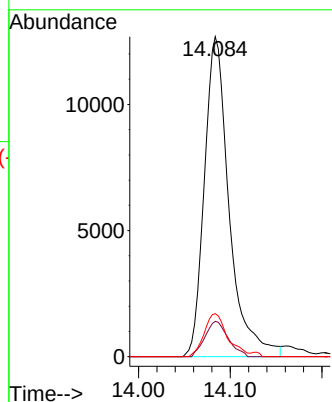


#71  
Naphthalene  
Concen: 1.468 ug/L  
RT: 14.084 min Scan# 3978  
Delta R.T. 0.003 min  
Lab File: VU058184.D  
Acq: 21 Mar 2024 14:08

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion:128 Resp: 23840  
Ion Ratio Lower Upper  
128 100  
129 10.3 8.1 12.1  
127 12.7 10.2 15.4



#72  
1,2,3-Trichlorobenzene  
Concen: 1.017 ug/L  
RT: 14.325 min Scan# 4054  
Delta R.T. 0.003 min  
Lab File: VU058184.D  
Acq: 21 Mar 2024 14:08

Tgt Ion:180 Resp: 9930  
Ion Ratio Lower Upper  
180 100  
182 97.8 74.4 111.6  
145 33.6 26.3 39.5

