

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092122\  
 Data File : VU050886.D  
 Acq On : 21 Sep 2022 19:34  
 Operator : JC/MD  
 Sample : N4650-21DL 10X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EXZ38DL

Quant Time: Sep 22 02:16:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Sep 22 02:11:06 2022  
 Response via : Initial Calibration

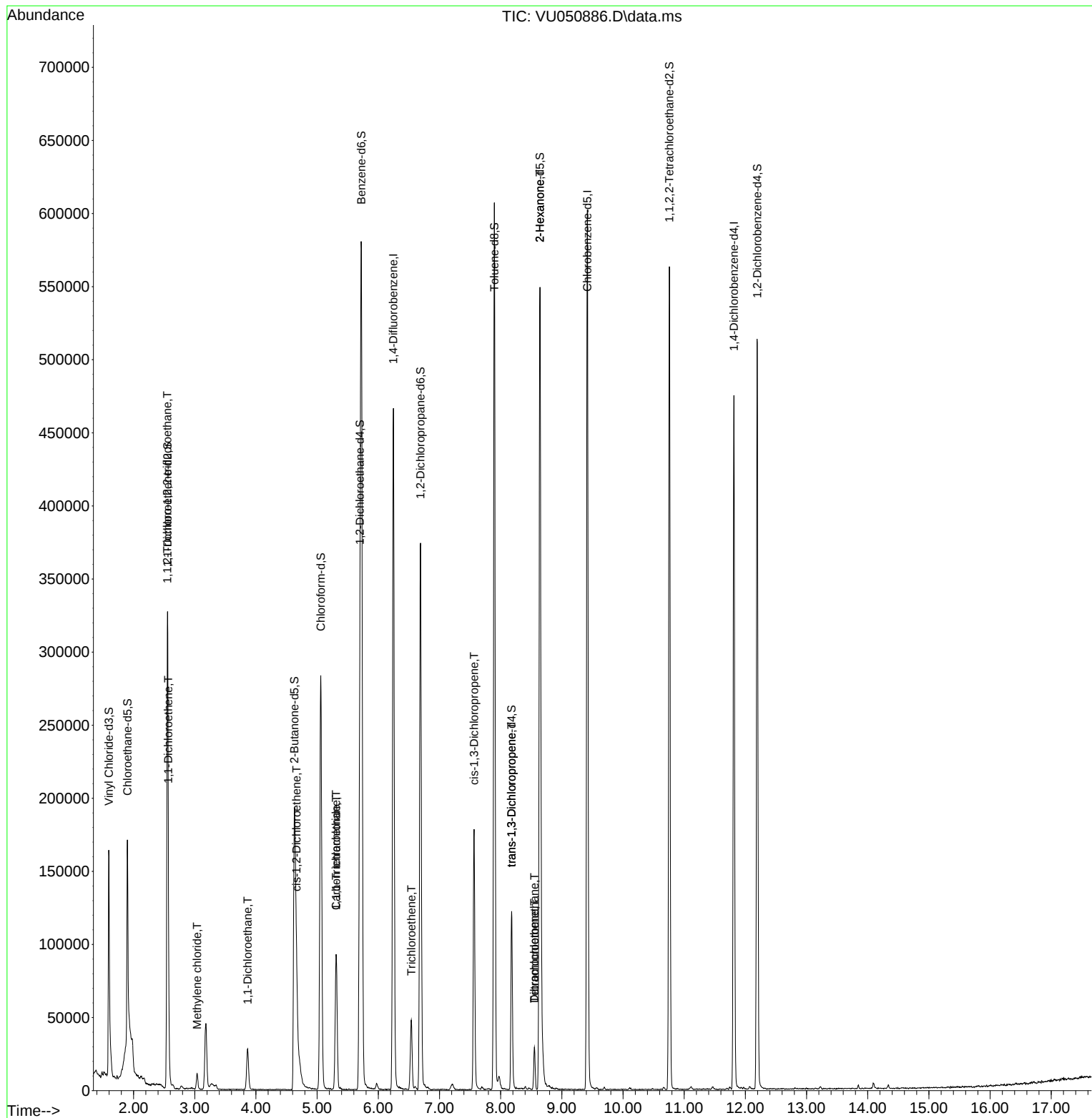
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) 1,4-Difluorobenzene        | 6.247          | 114  | 363919     | 50.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417          | 117  | 330602     | 50.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 122188     | 50.000    | ug/L   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 4) Vinyl Chloride-d3          | 1.594          | 65   | 140965     | 37.387    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 74.780%   |        |          |
| 7) Chloroethane-d5            | 1.900          | 69   | 101290     | 37.720    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 75.440%   |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.555          | 63   | 191612     | 32.660    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 65.320%   |        |          |
| 21) 2-Butanone-d5             | 4.629          | 46   | 323780     | 133.013   | ug/L   | 0.01     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 133.010%# |        |          |
| 24) Chloroform-d              | 5.060          | 84   | 267863     | 45.333    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 90.660%   |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.700          | 65   | 172783     | 47.449    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 94.900%   |        |          |
| 32) Benzene-d6                | 5.723          | 84   | 522644     | 47.996    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 96.000%   |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.690          | 67   | 185594     | 50.493    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 100.980%  |        |          |
| 41) Toluene-d8                | 7.896          | 98   | 400977     | 42.126    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 84.260%   |        |          |
| 43) trans-1,3-Dichloroprop... | 8.179          | 79   | 68807      | 43.031    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 86.060%   |        |          |
| 47) 2-Hexanone-d5             | 8.642          | 63   | 192213     | 126.896   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 126.900%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758         | 84   | 286827     | 51.183    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 102.360%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195         | 152  | 130069     | 50.842    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 101.680%  |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.552          | 101  | 2029       | 0.681     | ug/L # | 23       |
| 12) 1,1-Dichloroethene        | 2.568          | 96   | 15170      | 5.422     | ug/L # | 1        |
| 16) Methylene chloride        | 3.038          | 84   | 5089       | 1.310     | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.864          | 63   | 32076      | 5.536     | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 4.661          | 96   | 18321      | 5.762     | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 5.311          | 97   | 65548      | 14.903    | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.311          | 117  | 9236       | 2.528     | ug/L   | 97       |
| 34) Trichloroethene           | 6.539          | 95   | 14116      | 4.995     | ug/L   | 95       |
| 39) cis-1,3-Dichloropropene   | 7.565          | 75   | 4161       | 0.934     | ug/L # | 64       |
| 44) trans-1,3-Dichloropropene | 8.179          | 75   | 3481       | 0.821     | ug/L # | 70       |
| 46) Tetrachloroethene         | 8.552          | 164  | 6723       | 3.310     | ug/L   | 98       |
| 48) 2-Hexanone                | 8.642          | 43   | 27414      | 7.150     | ug/L # | 77       |
| 49) Dibromochloromethane      | 8.552          | 129  | 6420       | 2.134     | ug/L # | 10       |
| -----                         |                |      |            |           |        |          |

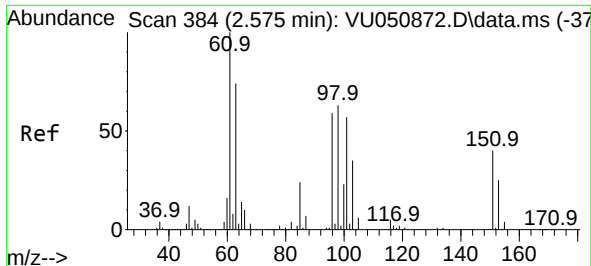
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092122\  
Data File : VU050886.D  
Acq On : 21 Sep 2022 19:34  
Operator : JC/MD  
Sample : N4650-21DL 10X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ38DL

Quant Time: Sep 22 02:16:12 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092022WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Sep 22 02:11:06 2022  
Response via : Initial Calibration

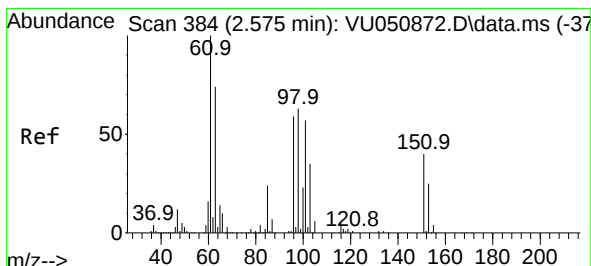
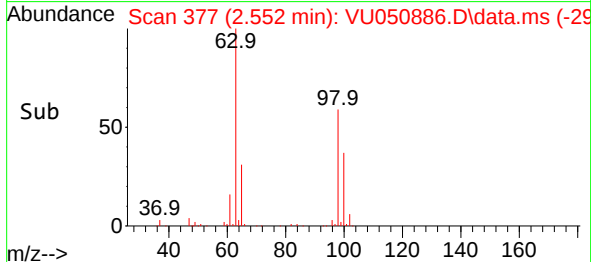
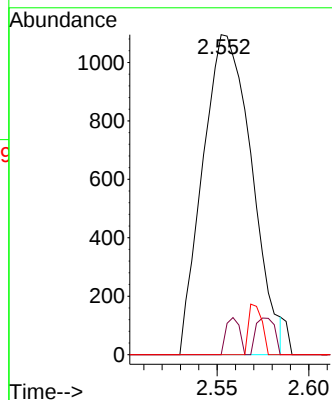
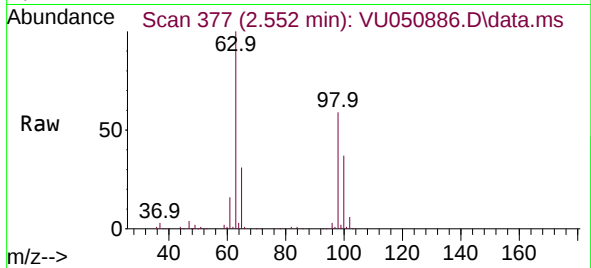




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.681 ug/L  
 RT: 2.552 min Scan# 31  
 Delta R.T. -0.023 min  
 Lab File: VU050886.D  
 Acq: 21 Sep 2022 19:34

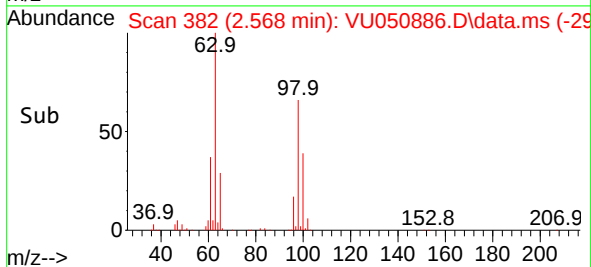
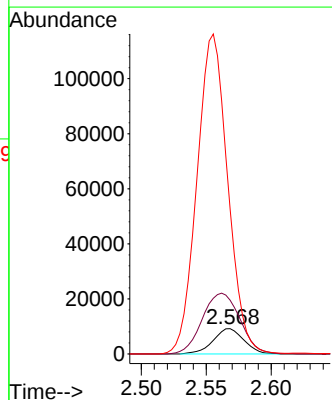
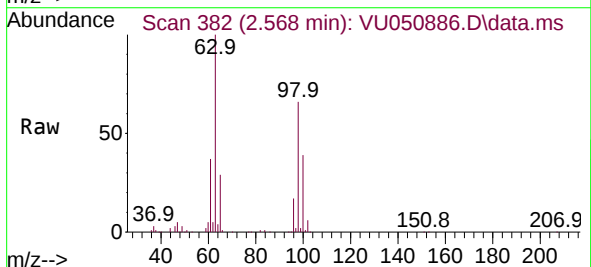
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EXZ38DL

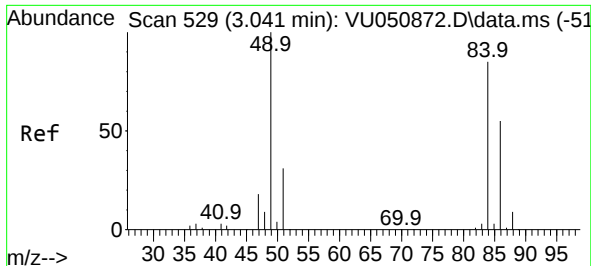
Tgt Ion:101 Resp: 2029  
 Ion Ratio Lower Upper  
 101 100  
 85 3.2 35.1 52.7#  
 151 0.0 56.6 84.8#



#12  
 1,1-Dichloroethene  
 Concen: 5.422 ug/L  
 RT: 2.568 min Scan# 382  
 Delta R.T. -0.006 min  
 Lab File: VU050886.D  
 Acq: 21 Sep 2022 19:34

Tgt Ion: 96 Resp: 15170  
 Ion Ratio Lower Upper  
 96 100  
 61 211.9 118.6 220.2  
 63 571.8 90.4 168.0#

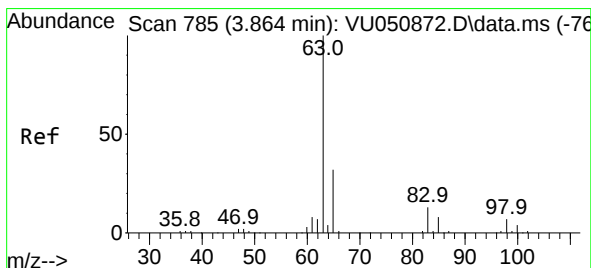
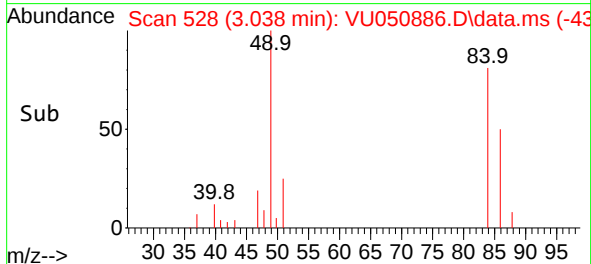
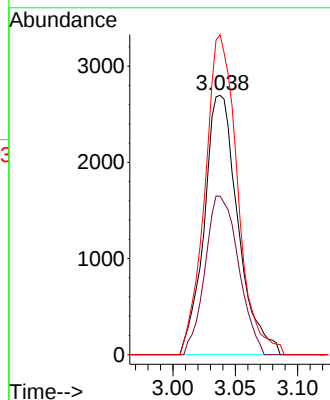
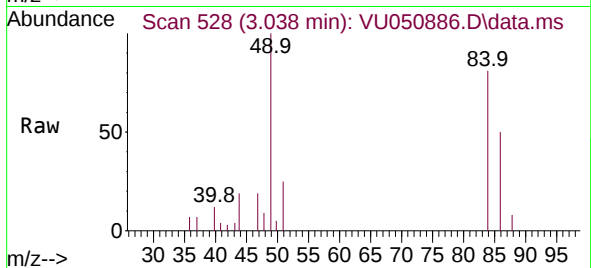




#16  
Methylene chloride  
Concen: 1.310 ug/L  
RT: 3.038 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: VU050886.D  
Acq: 21 Sep 2022 19:34

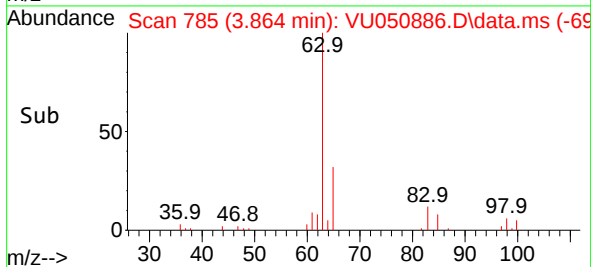
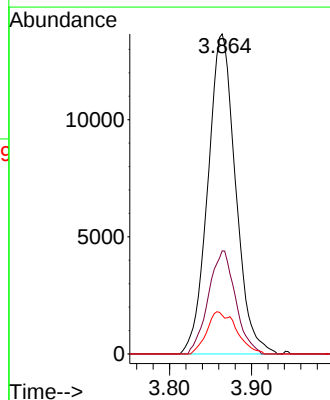
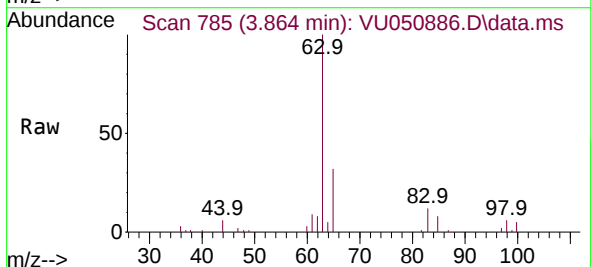
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ38DL

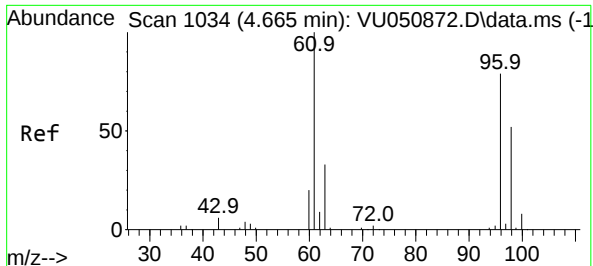
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 5089  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 86       | 61.1  | 44.4  | 82.5  |
| 49       | 123.4 | 83.3  | 154.7 |



#19  
1,1-Dichloroethane  
Concen: 5.536 ug/L  
RT: 3.864 min Scan# 785  
Delta R.T. 0.000 min  
Lab File: VU050886.D  
Acq: 21 Sep 2022 19:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 32076 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 32.2  | 21.5  | 39.9  |
| 83       | 12.1  | 9.3   | 17.3  |

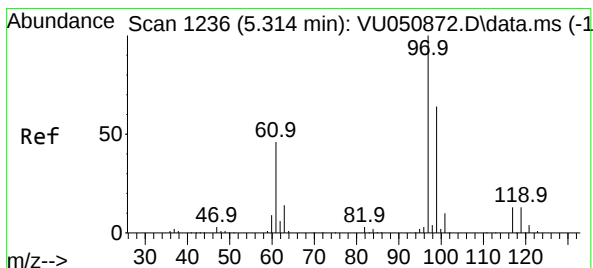
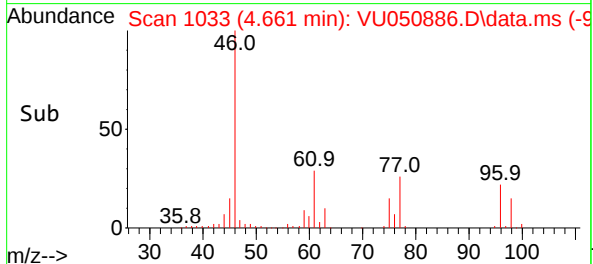
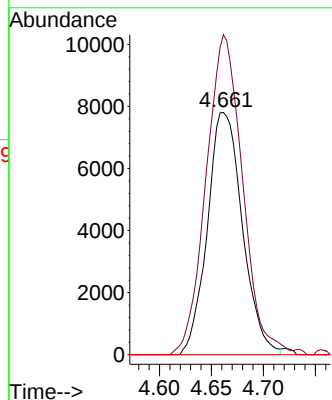
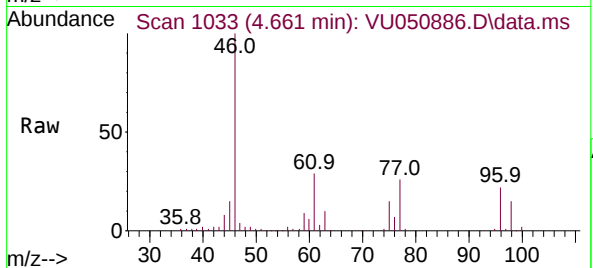




#20  
 cis-1,2-Dichloroethene  
 Concen: 5.762 ug/L  
 RT: 4.661 min Scan# 1033  
 Delta R.T. -0.003 min  
 Lab File: VU050886.D  
 Acq: 21 Sep 2022 19:34

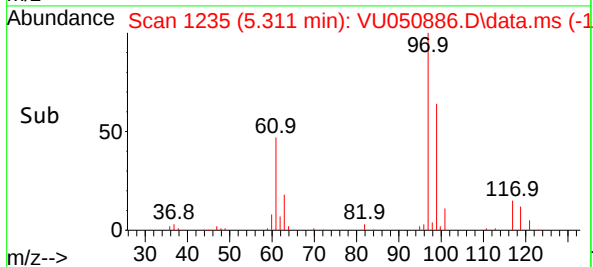
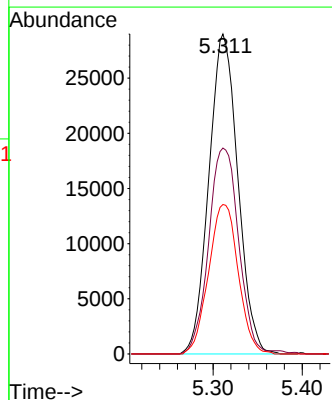
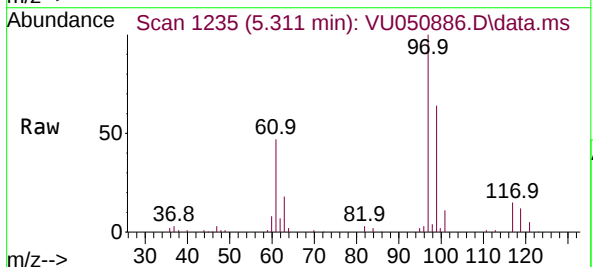
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EXZ38DL

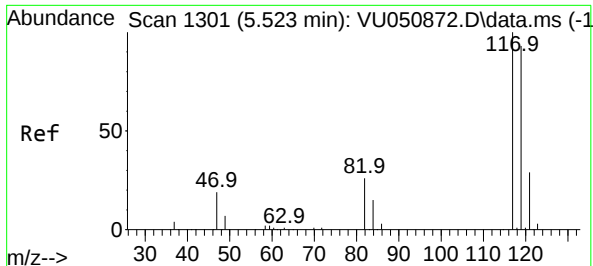
Tgt Ion: 96 Resp: 18321  
 Ion Ratio Lower Upper  
 96 100  
 61 132.1 90.1 167.3  
 68 0.0 0.0 0.0



#30  
 1,1,1-Trichloroethane  
 Concen: 14.903 ug/L  
 RT: 5.311 min Scan# 1235  
 Delta R.T. -0.003 min  
 Lab File: VU050886.D  
 Acq: 21 Sep 2022 19:34

Tgt Ion: 97 Resp: 65548  
 Ion Ratio Lower Upper  
 97 100  
 99 66.5 52.2 78.2  
 61 47.8 37.1 55.7

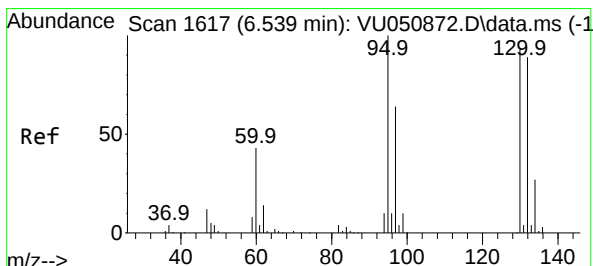
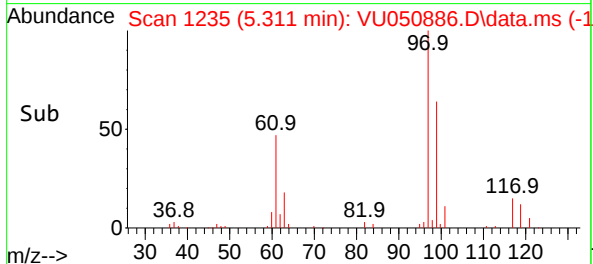
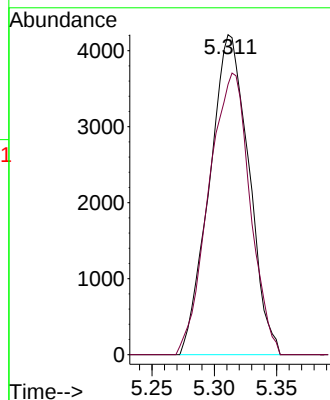
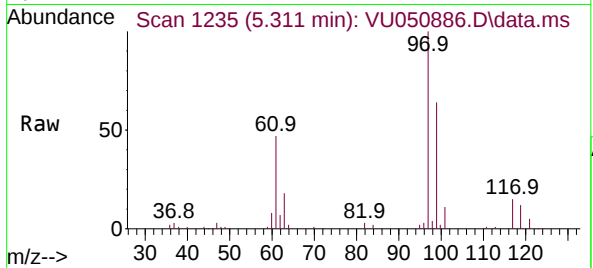




#31  
Carbon tetrachloride  
Concen: 2.528 ug/L  
RT: 5.311 min Scan# 117  
Delta R.T. -0.212 min  
Lab File: VU050886.D  
Acq: 21 Sep 2022 19:34

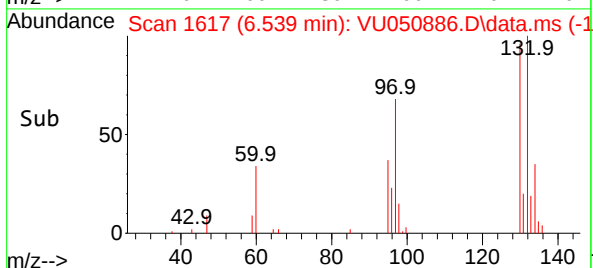
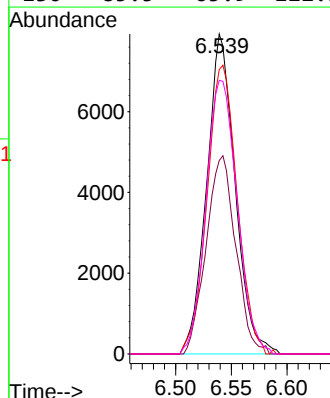
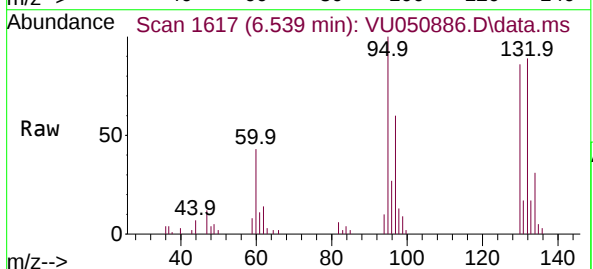
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ38DL

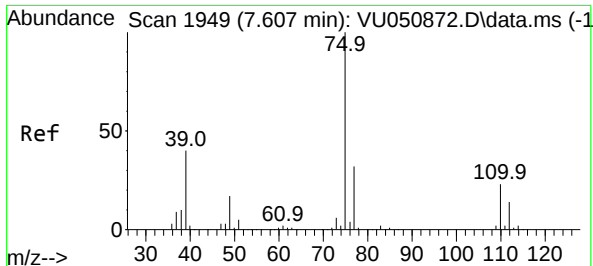
Tgt Ion:117 Resp: 9236  
Ion Ratio Lower Upper  
117 100  
119 92.3 76.0 114.0



#34  
Trichloroethene  
Concen: 4.995 ug/L  
RT: 6.539 min Scan# 1617  
Delta R.T. 0.000 min  
Lab File: VU050886.D  
Acq: 21 Sep 2022 19:34

Tgt Ion: 95 Resp: 14116  
Ion Ratio Lower Upper  
95 100  
97 60.5 43.9 81.5  
132 88.9 63.1 117.1  
130 85.5 65.9 122.3





#39

cis-1,3-Dichloropropene

Concen: 0.934 ug/L

RT: 7.565 min Scan# 1949

Delta R.T. -0.042 min

Lab File: VU050886.D

Acq: 21 Sep 2022 19:34

Instrument :

MSVOA\_U

ClientSampleId :

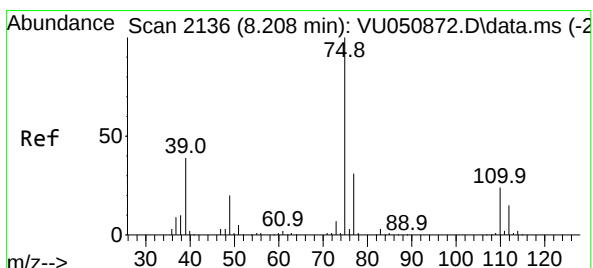
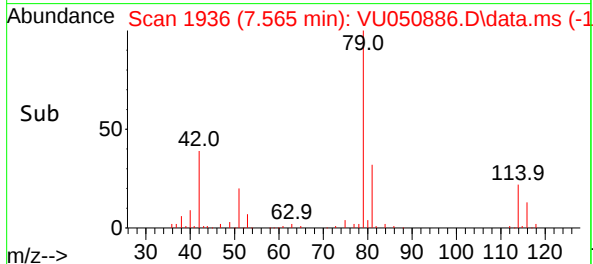
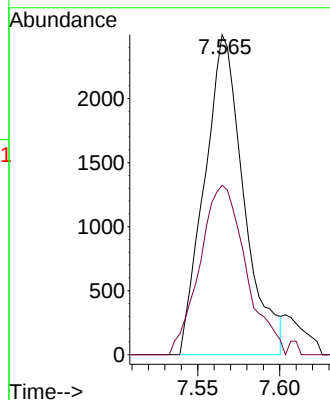
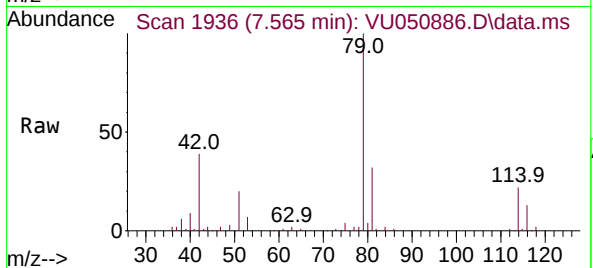
EXZ38DL

Tgt Ion: 75 Resp: 4161

Ion Ratio Lower Upper

75 100

77 52.9 22.8 42.4#



#44

trans-1,3-Dichloropropene

Concen: 0.821 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.029 min

Lab File: VU050886.D

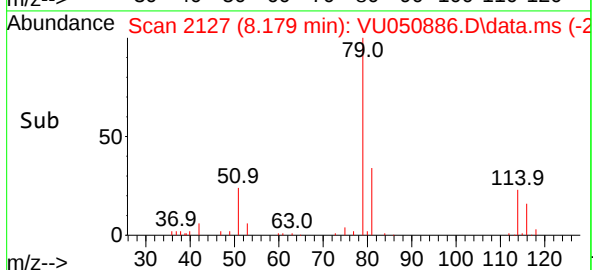
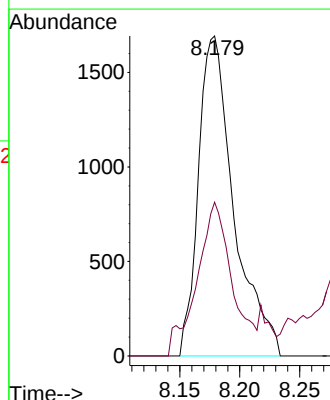
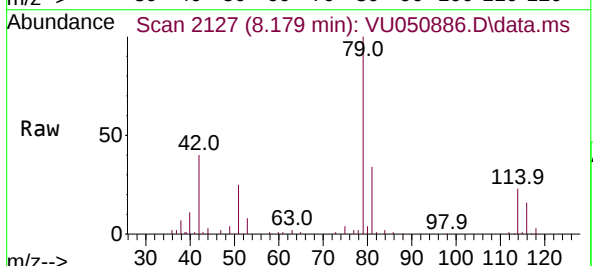
Acq: 21 Sep 2022 19:34

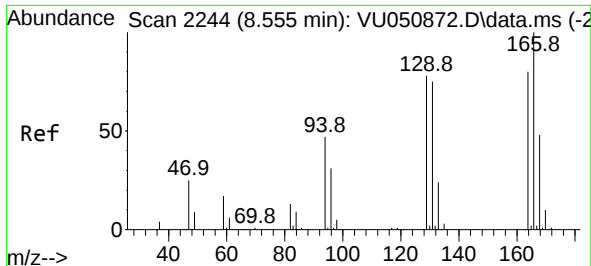
Tgt Ion: 75 Resp: 3481

Ion Ratio Lower Upper

75 100

77 48.0 21.9 40.7#

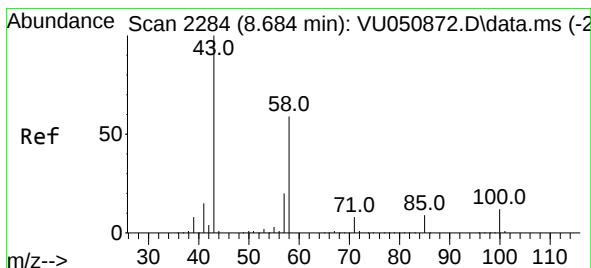
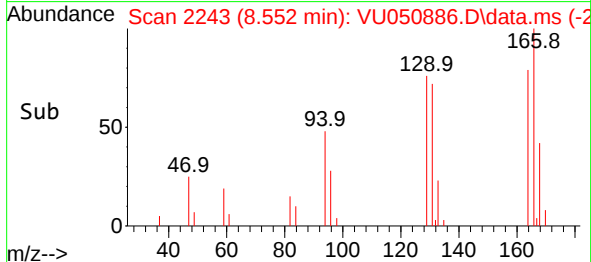
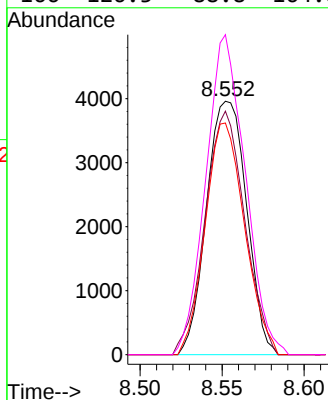
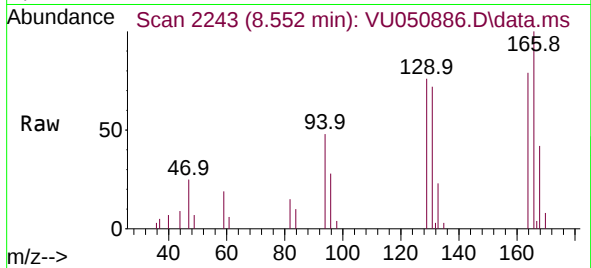




#46  
Tetrachloroethene  
Concen: 3.310 ug/L  
RT: 8.552 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU050886.D  
Acq: 21 Sep 2022 19:34

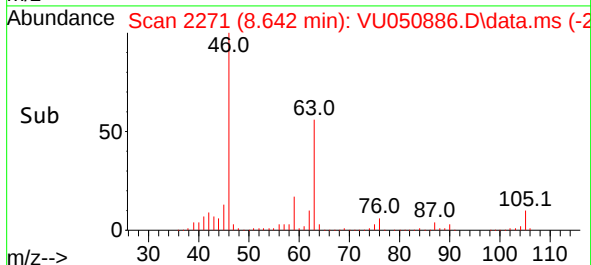
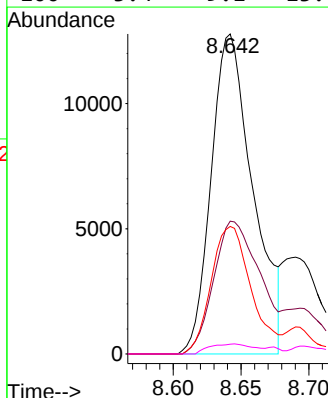
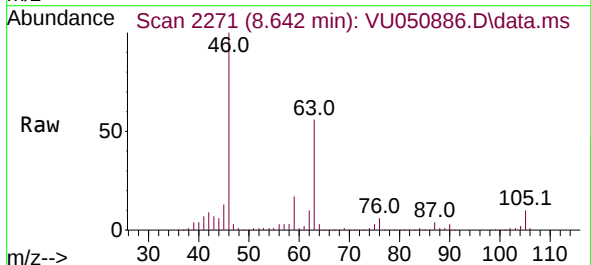
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ38DL

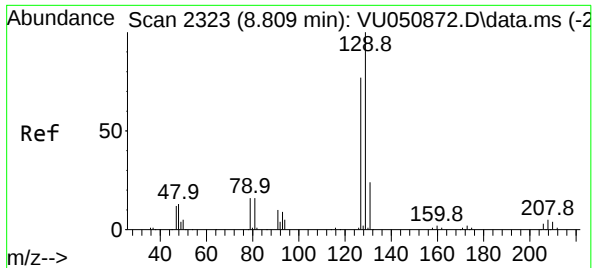
Tgt Ion:164 Resp: 6723  
Ion Ratio Lower Upper  
164 100  
129 96.1 68.5 127.3  
131 91.4 66.1 122.7  
166 126.3 88.8 164.8



#48  
2-Hexanone  
Concen: 7.150 ug/L  
RT: 8.642 min Scan# 2271  
Delta R.T. -0.042 min  
Lab File: VU050886.D  
Acq: 21 Sep 2022 19:34

Tgt Ion: 43 Resp: 27414  
Ion Ratio Lower Upper  
43 100  
58 45.8 47.2 70.8#  
57 38.0 16.2 24.4#  
100 3.4 9.1 13.7#





#49  
 Dibromochloromethane  
 Concen: 2.134 ug/L  
 RT: 8.552 min Scan# 21  
 Delta R.T. -0.257 min  
 Lab File: VU050886.D  
 Acq: 21 Sep 2022 19:34

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EXZ38DL

Tgt Ion:129 Resp: 6420  
 Ion Ratio Lower Upper  
 129 100  
 127 0.0 54.5 101.1#

