

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012822\  
 Data File : VU046900.D  
 Acq On : 28 Jan 2022 18:12  
 Operator : SY/MD  
 Sample : N1273-14 50X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0HL2DL

Quant Time: Jan 29 00:43:05 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR011822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Jan 29 00:38:36 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 6.250  | 114  | 93697    | 5.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.420  | 117  | 101349   | 5.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.812 | 152  | 43789    | 5.000 | ug/L  | 0.00     |

|                               |        |       |          |          |      |          |
|-------------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds   |        |       |          |          |      |          |
| 4) Vinyl Chloride-d3          | 1.600  | 65    | 28952    | 3.647    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =    | 73.000%  |
| 7) Chloroethane-d5            | 1.919  | 69    | 28287    | 4.522    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =    | 90.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.571  | 65    | 13176    | 4.172    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =    | 83.400%  |
| 20) 2-Butanone-d5             | 4.649  | 46    | 118302   | 50.297   | ug/L | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =    | 100.600% |
| 24) Chloroform-d              | 5.067  | 84    | 68300    | 4.900    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 98.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.706  | 65    | 38291    | 5.045    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 100.800% |
| 32) Benzene-d6                | 5.732  | 84    | 125922   | 4.227    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 84.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67    | 43600    | 4.875    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =    | 97.600%  |
| 41) Toluene-d8                | 7.902  | 98    | 94370    | 3.461    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 69.200%# |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 14472    | 3.685    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =    | 73.600%  |
| 46) 2-Hexanone-d5             | 8.639  | 63    | 94756    | 40.745   | ug/L | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =    | 81.480%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 40984    | 4.564    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =    | 91.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 36388    | 4.431    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =    | 88.600%  |

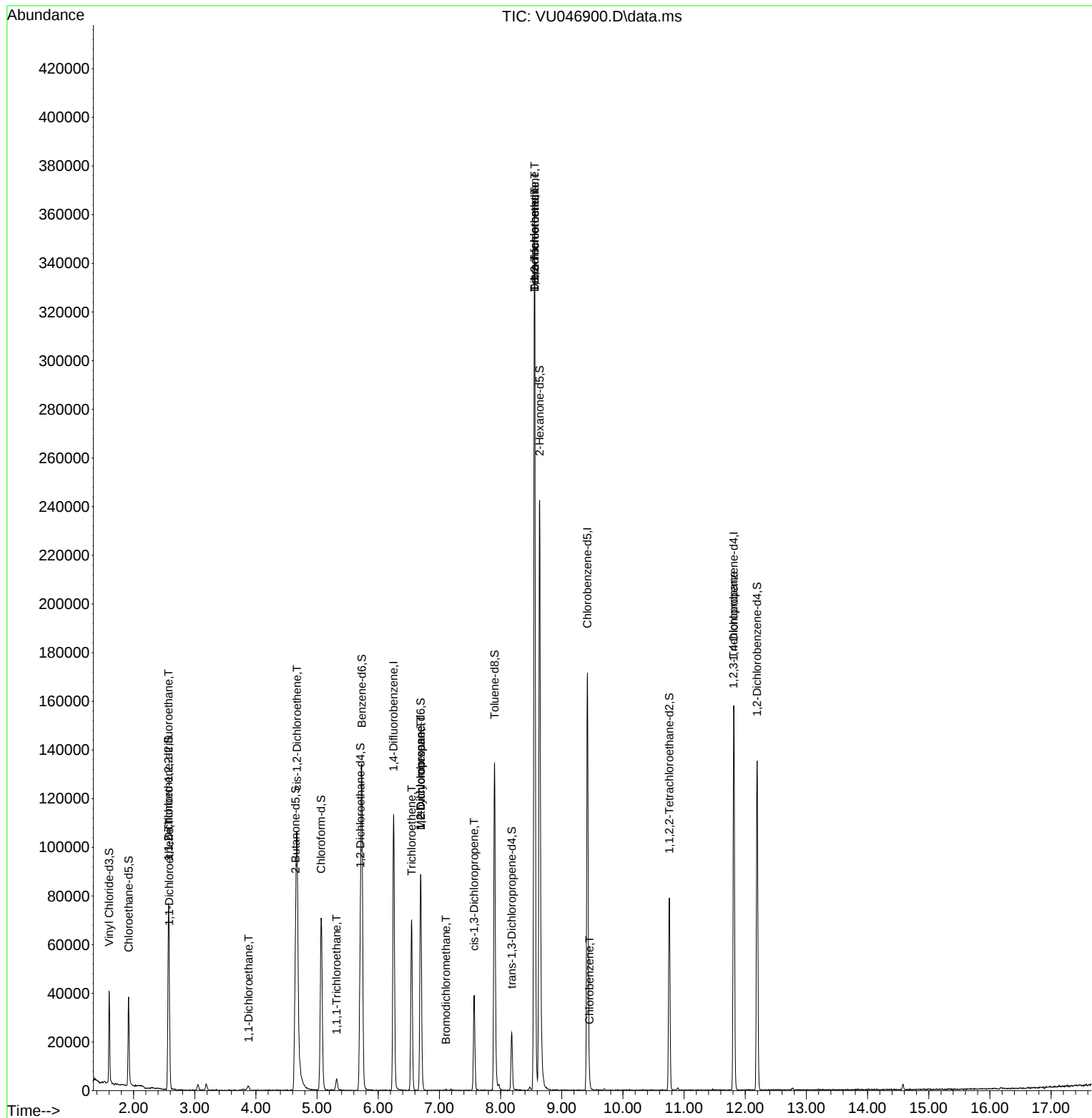
|                               |        |     |       |        |        |    |
|-------------------------------|--------|-----|-------|--------|--------|----|
| Target Compounds              |        |     |       | Qvalue |        |    |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.571  | 101 | 303   | 0.055  | ug/L # | 21 |
| 12) 1,1-Dichloroethene        | 2.584  | 96  | 5739  | 1.097  | ug/L # | 1  |
| 19) 1,1-Dichloroethane        | 3.880  | 63  | 2536  | 0.267  | ug/L # | 83 |
| 22) cis-1,2-Dichloroethene    | 4.671  | 96  | 36266 | 6.067  | ug/L   | 97 |
| 29) 1,1,1-Trichloroethane     | 5.317  | 97  | 3518  | 0.385  | ug/L   | 96 |
| 34) Trichloroethene           | 6.546  | 95  | 24238 | 3.912  | ug/L   | 96 |
| 35) Methylcyclohexane         | 6.694  | 83  | 10326 | 0.995  | ug/L # | 20 |
| 37) 1,2-Dichloropropane       | 6.694  | 63  | 4312  | 0.737  | ug/L # | 88 |
| 38) Bromodichloromethane      | 7.108  | 83  | 405   | 0.048  | ug/L # | 63 |
| 39) cis-1,3-Dichloropropene   | 7.568  | 75  | 856   | 0.094  | ug/L # | 30 |
| 45) 1,1,2-Trichloroethane     | 8.555  | 97  | 803   | 0.161  | ug/L # | 18 |
| 47) Tetrachloroethene         | 8.555  | 164 | 80540 | 15.984 | ug/L   | 96 |
| 49) Dibromochloromethane      | 8.555  | 129 | 79780 | 13.581 | ug/L # | 10 |
| 51) Chlorobenzene             | 9.452  | 112 | 1184  | 0.071  | ug/L   | 91 |
| 61) 1,2,3-Trichloropropane    | 11.809 | 75  | 5451  | 1.469  | ug/L # | 65 |

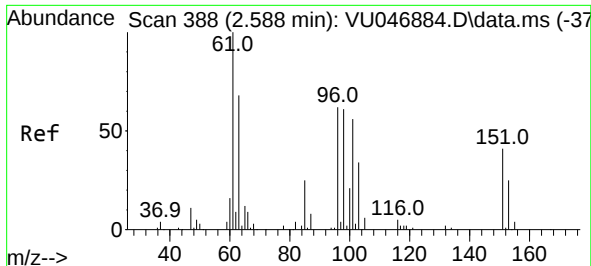
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N1273-14 50X  
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ALS Vial : 19 Sample Multiplier: 1

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Jan 29 00:38:36 2022  
Response via : Initial Calibration

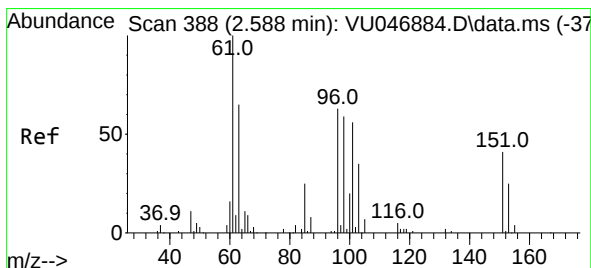
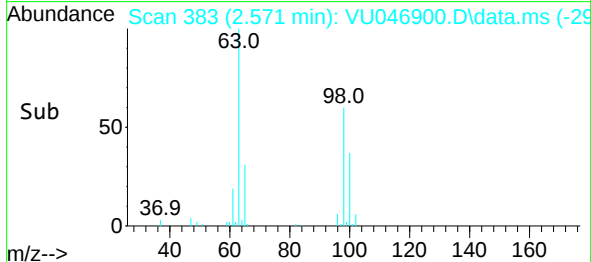
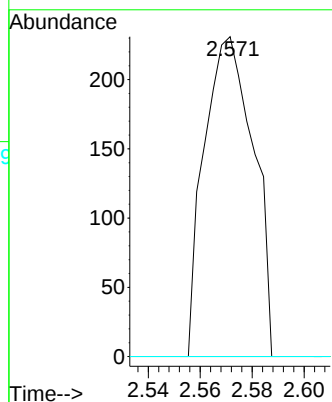
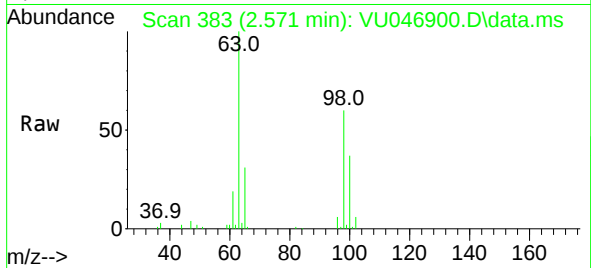




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.055 ug/L  
 RT: 2.571 min Scan# 31  
 Delta R.T. -0.016 min  
 Lab File: VU046900.D  
 Acq: 28 Jan 2022 18:12

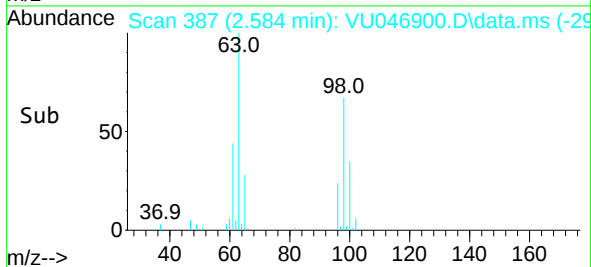
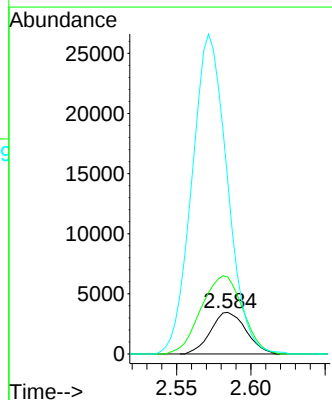
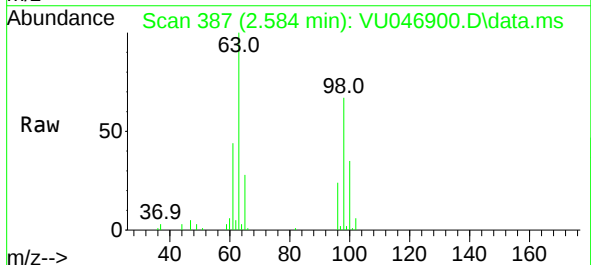
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0HL2DL

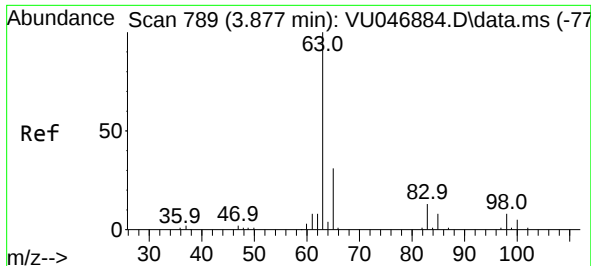
Tgt Ion:101 Resp: 303  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 34.6 51.8#  
 151 0.0 56.1 84.1#



#12  
 1,1-Dichloroethene  
 Concen: 1.097 ug/L  
 RT: 2.584 min Scan# 387  
 Delta R.T. -0.003 min  
 Lab File: VU046900.D  
 Acq: 28 Jan 2022 18:12

Tgt Ion: 96 Resp: 5739  
 Ion Ratio Lower Upper  
 96 100  
 61 184.9 124.7 231.5  
 63 416.8 105.2 195.4#





#19

1,1-Dichloroethane

Concen: 0.267 ug/L

RT: 3.880 min Scan# 79

Delta R.T. 0.003 min

Lab File: VU046900.D

Acq: 28 Jan 2022 18:12

Instrument :

MSVOA\_U

ClientSampleId :

C0HL2DL

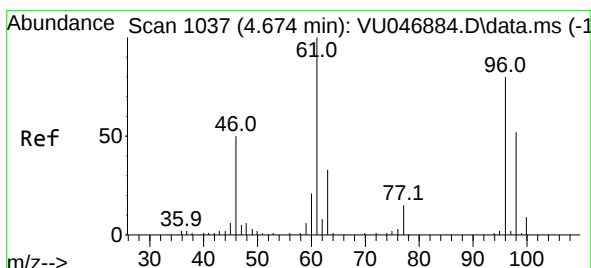
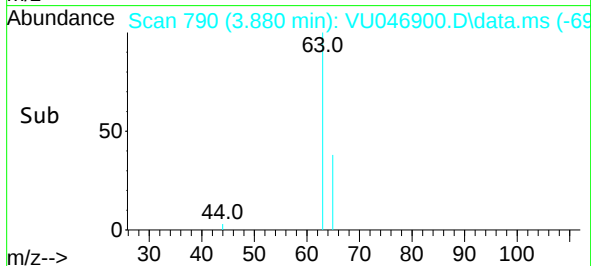
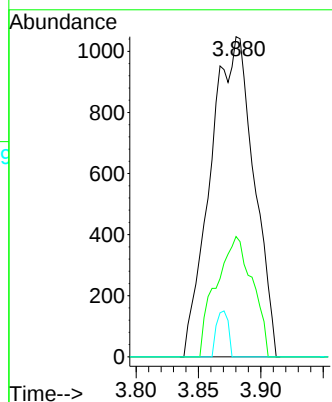
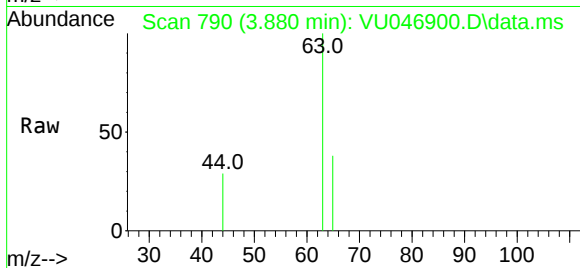
Tgt Ion: 63 Resp: 2536

Ion Ratio Lower Upper

63 100

65 37.6 22.3 41.5

83 0.0 9.6 17.8#



#22

cis-1,2-Dichloroethene

Concen: 6.067 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VU046900.D

Acq: 28 Jan 2022 18:12

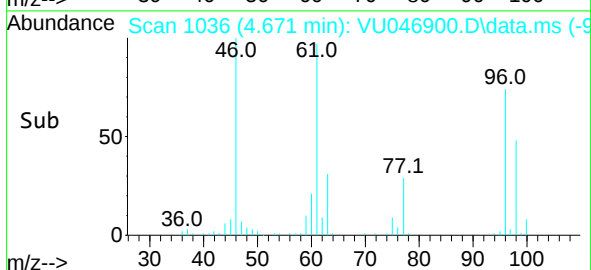
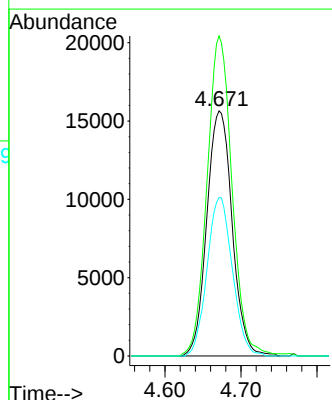
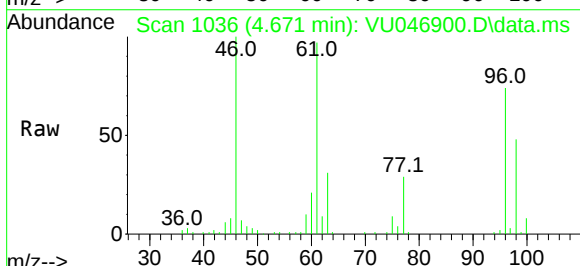
Tgt Ion: 96 Resp: 36266

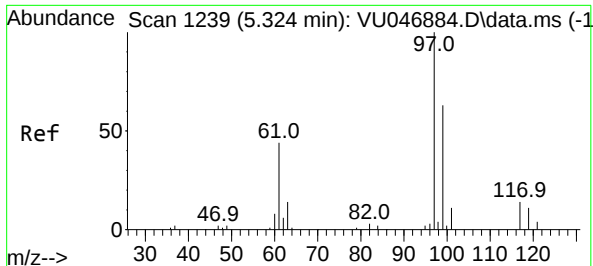
Ion Ratio Lower Upper

96 100

61 130.5 88.5 164.3

98 64.6 44.4 82.5





#29

1,1,1-Trichloroethane

Concen: 0.385 ug/L

RT: 5.317 min Scan# 1

Delta R.T. -0.006 min

Lab File: VU046900.D

Acq: 28 Jan 2022 18:12

Instrument :

MSVOA\_U

ClientSampleId :

C0HL2DL

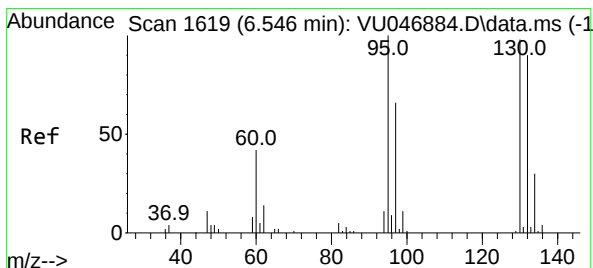
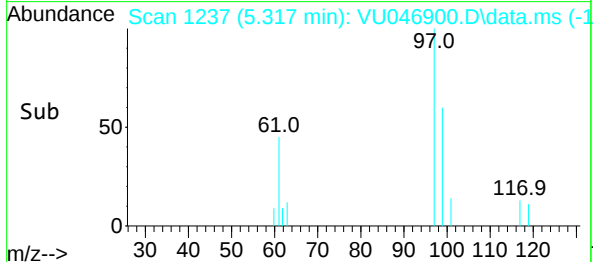
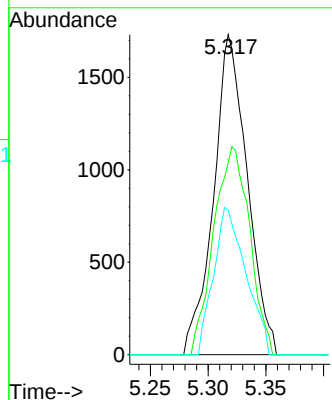
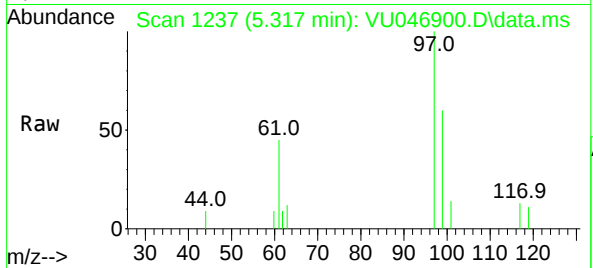
Tgt Ion: 97 Resp: 3518

Ion Ratio Lower Upper

97 100

99 69.1 51.3 76.9

61 44.0 36.1 54.1



#34

Trichloroethene

Concen: 3.912 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VU046900.D

Acq: 28 Jan 2022 18:12

Tgt Ion: 95 Resp: 24238

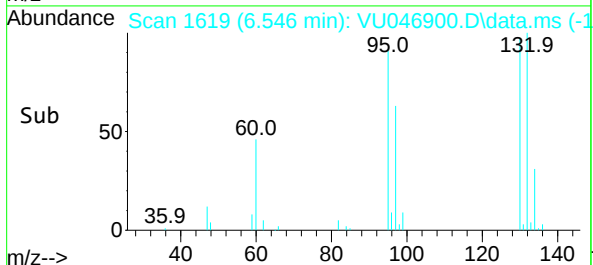
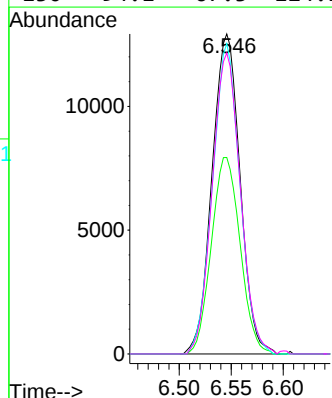
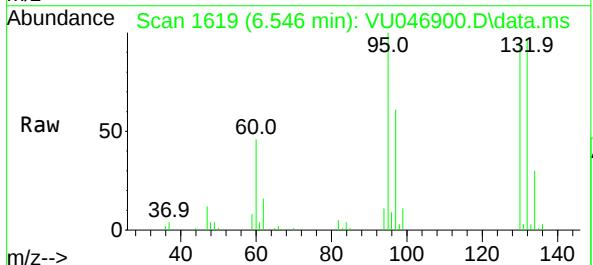
Ion Ratio Lower Upper

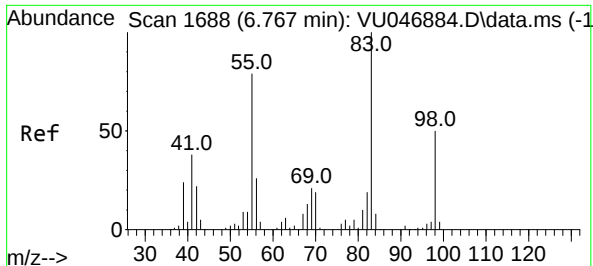
95 100

97 61.4 46.5 86.5

132 97.0 65.1 120.9

130 94.1 67.3 124.9





#35

Methylcyclohexane

Concen: 0.995 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU046900.D

Acq: 28 Jan 2022 18:12

Instrument :

MSVOA\_U

ClientSampleId :

C0HL2DL

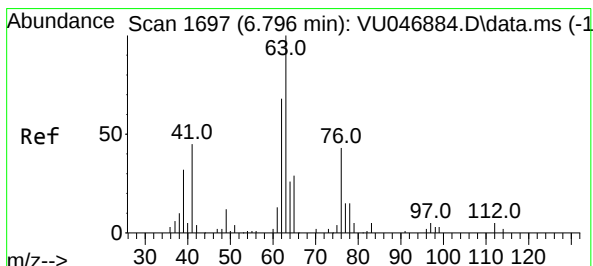
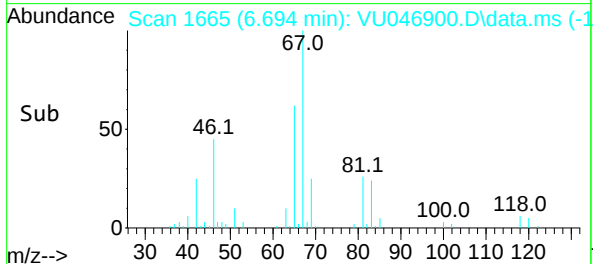
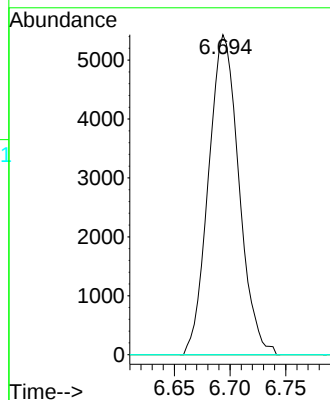
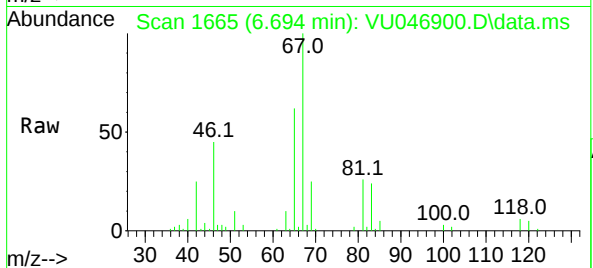
Tgt Ion: 83 Resp: 10326

Ion Ratio Lower Upper

83 100

55 0.0 61.9 92.9#

98 4.2 39.0 58.6#



#37

1,2-Dichloropropane

Concen: 0.737 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.103 min

Lab File: VU046900.D

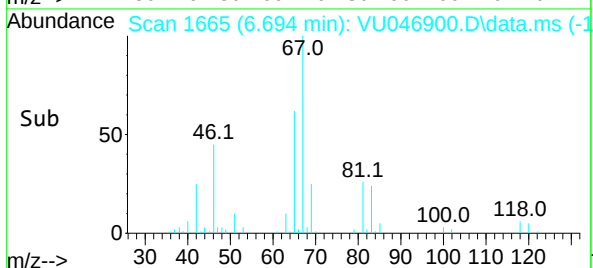
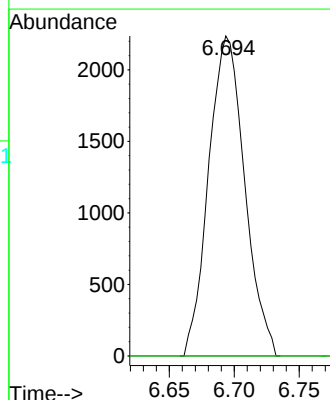
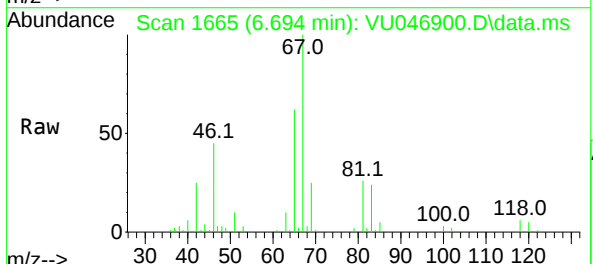
Acq: 28 Jan 2022 18:12

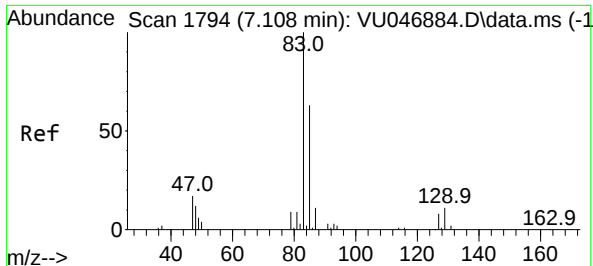
Tgt Ion: 63 Resp: 4312

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#

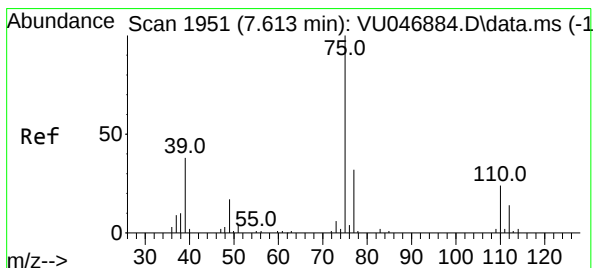
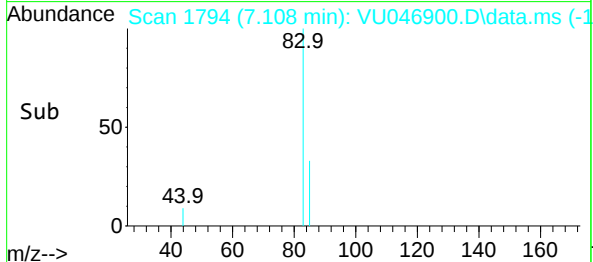
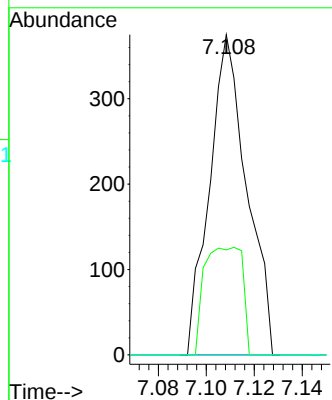
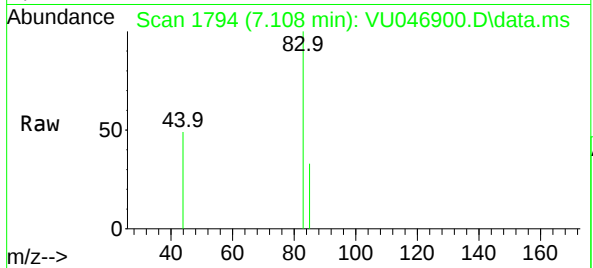




#38  
Bromodichloromethane  
Concen: 0.048 ug/L  
RT: 7.108 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU046900.D  
Acq: 28 Jan 2022 18:12

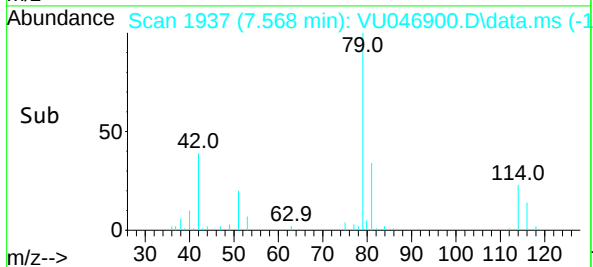
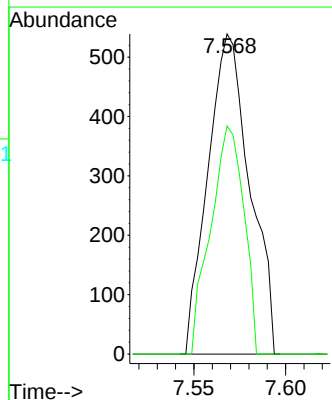
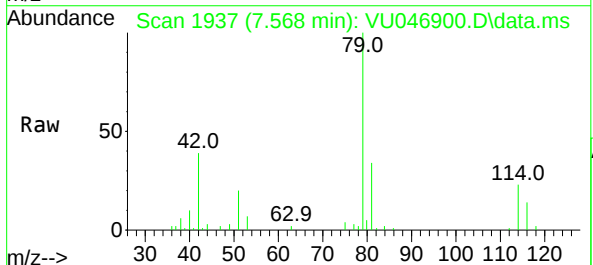
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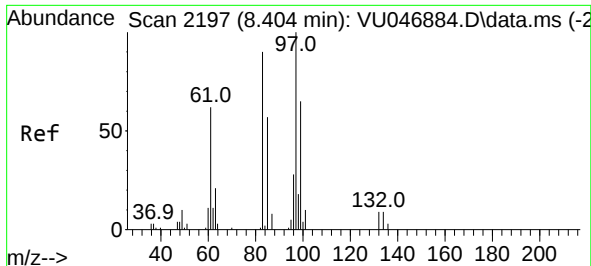
Tgt Ion: 83 Resp: 405  
Ion Ratio Lower Upper  
83 100  
85 32.8 44.0 81.8#  
127 0.0 6.3 9.5#



#39  
cis-1,3-Dichloropropene  
Concen: 0.094 ug/L  
RT: 7.568 min Scan# 1937  
Delta R.T. -0.045 min  
Lab File: VU046900.D  
Acq: 28 Jan 2022 18:12

Tgt Ion: 75 Resp: 856  
Ion Ratio Lower Upper  
75 100  
77 71.2 22.5 41.9#

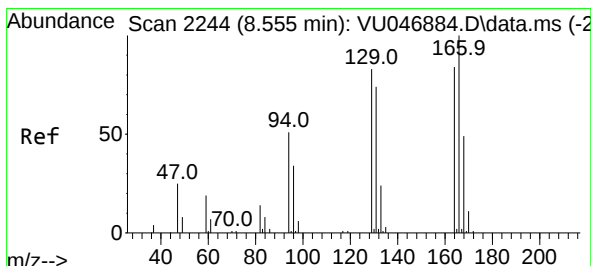
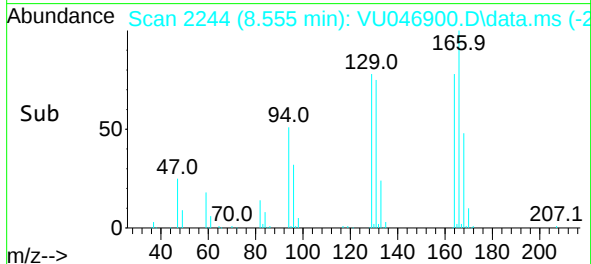
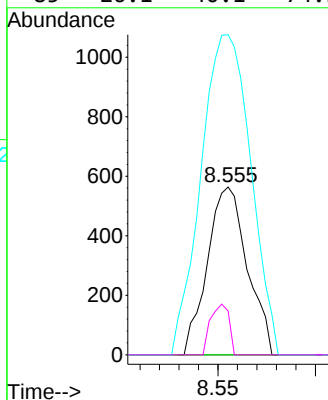
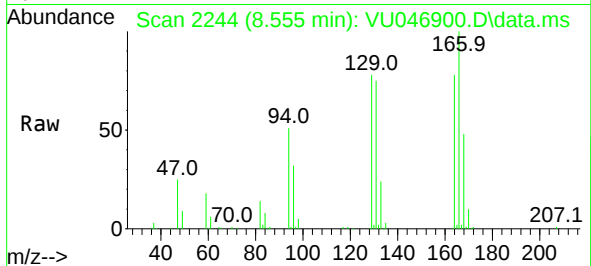




#45  
1,1,2-Trichloroethane  
Concen: 0.161 ug/L  
RT: 8.555 min Scan# 2197  
Delta R.T. 0.151 min  
Lab File: VU046900.D  
Acq: 28 Jan 2022 18:12

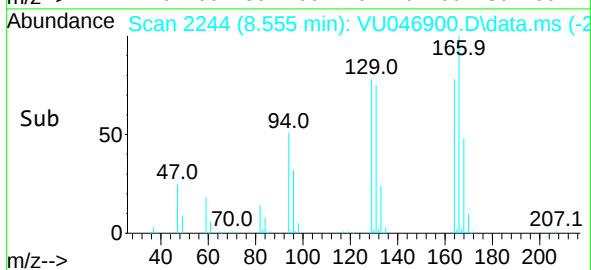
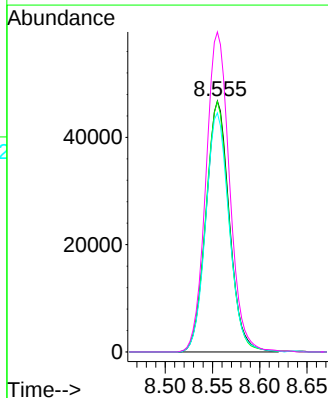
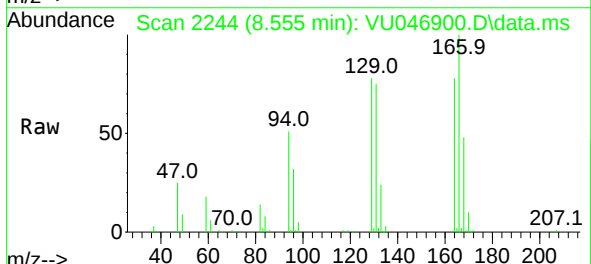
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ClientSampleId :  
C0HL2DL

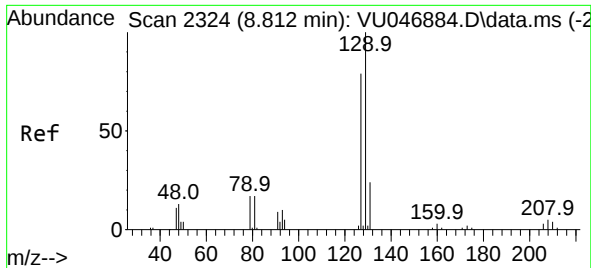
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|-------------|-------|-------------|
| Tgt Ion: 97 | Resp: | 803         |
| Ion Ratio   | Lower | Upper       |
| 97          | 100   |             |
| 99          | 0.0   | 42.3 78.5#  |
| 83          | 190.8 | 62.0 115.2# |
| 85          | 26.1  | 40.1 74.5#  |



#47  
Tetrachloroethene  
Concen: 15.984 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. 0.000 min  
Lab File: VU046900.D  
Acq: 28 Jan 2022 18:12

|              |       |            |
|--------------|-------|------------|
| Tgt Ion: 164 | Resp: | 80540      |
| Ion Ratio    | Lower | Upper      |
| 164          | 100   |            |
| 129          | 99.8  | 71.8 133.4 |
| 131          | 95.2  | 68.5 127.3 |
| 166          | 127.5 | 94.1 174.8 |

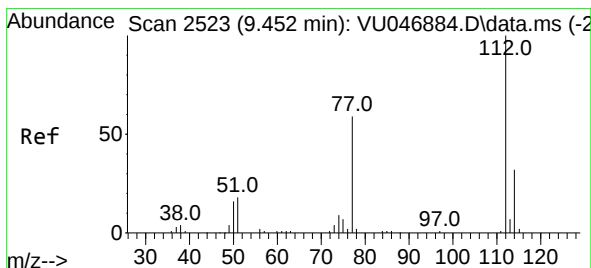
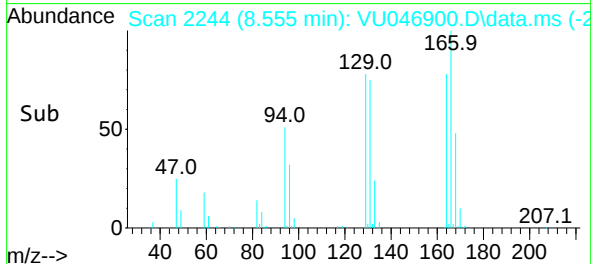
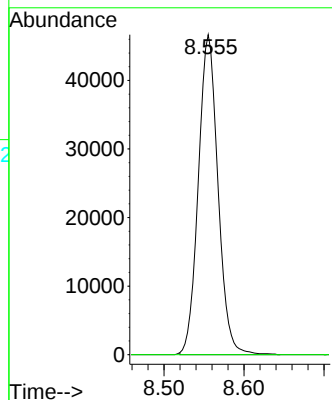
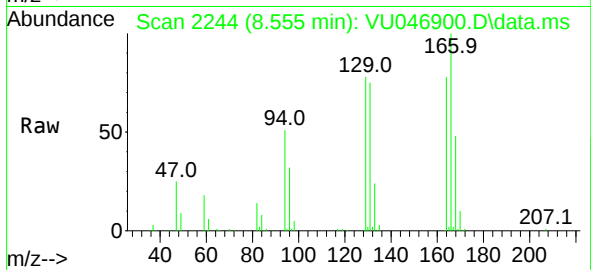




#49  
Dibromochloromethane  
Concen: 13.581 ug/L  
RT: 8.555 min Scan# 21  
Delta R.T. -0.257 min  
Lab File: VU046900.D  
Acq: 28 Jan 2022 18:12

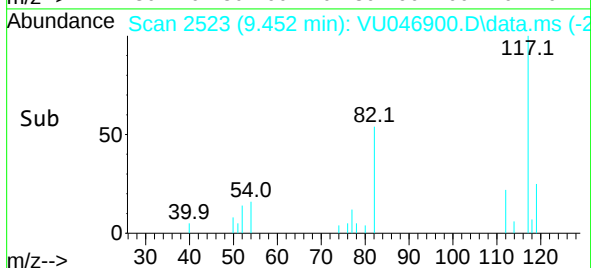
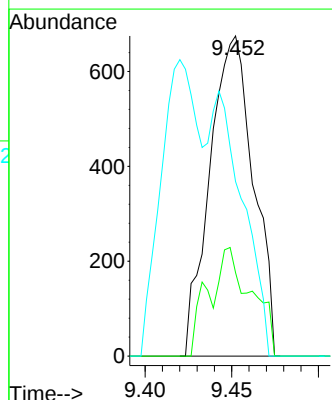
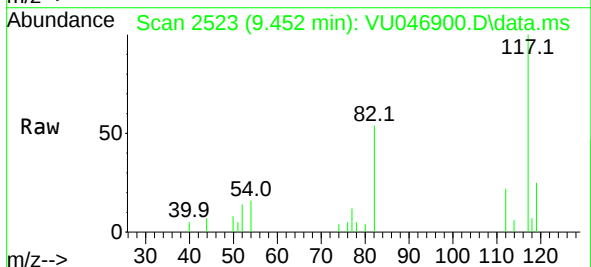
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0HL2DL

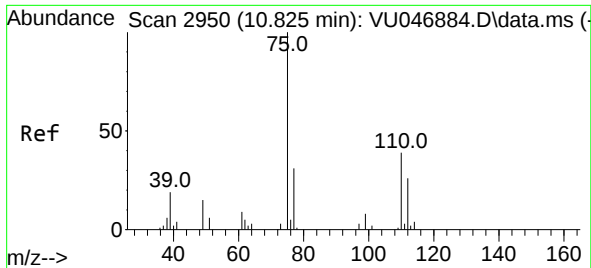
Tgt Ion:129 Resp: 79780  
Ion Ratio Lower Upper  
129 100  
127 0.0 55.4 102.8#



#51  
Chlorobenzene  
Concen: 0.071 ug/L  
RT: 9.452 min Scan# 2523  
Delta R.T. 0.000 min  
Lab File: VU046900.D  
Acq: 28 Jan 2022 18:12

Tgt Ion:112 Resp: 1184  
Ion Ratio Lower Upper  
112 100  
114 26.1 22.1 41.1  
77 54.5 48.3 72.5





#61  
 1,2,3-Trichloropropane  
 Concen: 1.469 ug/L  
 RT: 11.809 min Scan# 31  
 Delta R.T. 0.984 min  
 Lab File: VU046900.D  
 Acq: 28 Jan 2022 18:12

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0HL2DL

Tgt Ion: 75 Resp: 5451  
 Ion Ratio Lower Upper  
 75 100  
 110 0.0 29.9 44.9#  
 77 30.7 25.5 38.3

