

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU032522\  
 Data File : VU047683.D  
 Acq On : 25 Mar 2022 19:33  
 Operator : SY/MD  
 Sample : N2082-06  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW5Z2

Quant Time: Mar 26 04:22:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Mar 26 02:50:24 2022  
 Response via : Initial Calibration

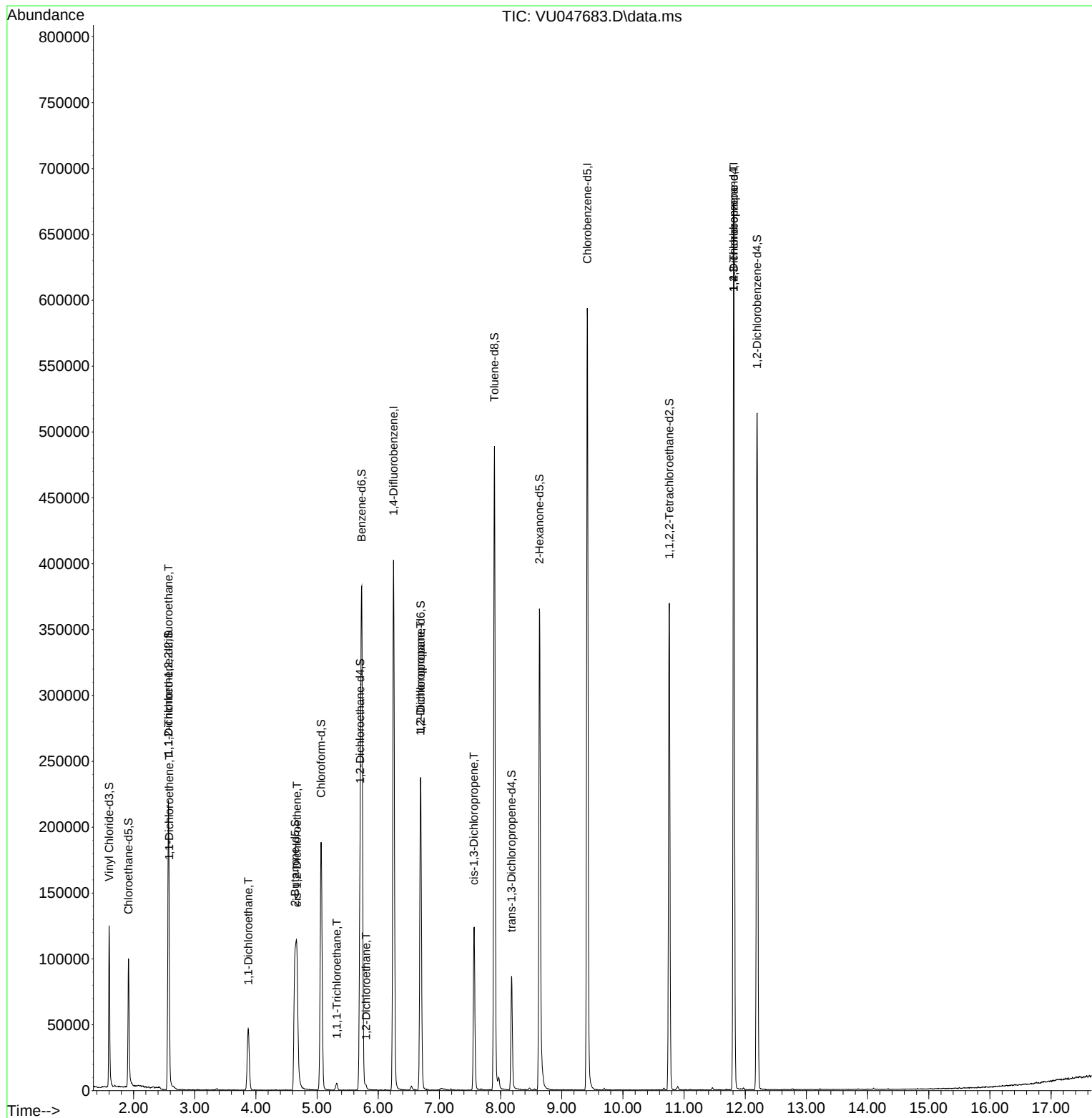
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250          | 114  | 336508     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417          | 117  | 349807     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 185703     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600          | 65   | 89965      | 36.867   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 73.740%  |        |          |
| 7) Chloroethane-d5            | 1.916          | 69   | 75227      | 39.097   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 78.200%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.571          | 63   | 127249     | 28.502   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 57.000%# |        |          |
| 21) 2-Butanone-d5             | 4.639          | 46   | 181774     | 86.786   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 86.790%  |        |          |
| 24) Chloroform-d              | 5.067          | 84   | 176729     | 39.581   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 79.160%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.703          | 65   | 113302     | 41.374   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 82.740%  |        |          |
| 32) Benzene-d6                | 5.729          | 84   | 358451     | 40.723   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 81.440%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.694          | 67   | 112944     | 41.781   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 83.560%  |        |          |
| 41) Toluene-d8                | 7.899          | 98   | 332371     | 38.757   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 77.520%# |        |          |
| 43) trans-1,3-Dichloroprop... | 8.179          | 79   | 47924      | 34.994   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 69.980%  |        |          |
| 47) 2-Hexanone-d5             | 8.636          | 63   | 130573     | 82.513   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 82.510%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758         | 84   | 179159     | 38.619   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 77.240%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195         | 152  | 141005     | 42.679   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 85.360%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.571          | 101  | 1175       | 0.474    | ug/L # | 18       |
| 12) 1,1-Dichloroethene        | 2.581          | 96   | 1303       | 0.564    | ug/L # | 1        |
| 19) 1,1-Dichloroethane        | 3.877          | 63   | 53192      | 12.388   | ug/L   | 96       |
| 20) cis-1,2-Dichloroethene    | 4.671          | 96   | 37282      | 13.659   | ug/L   | 95       |
| 27) 1,2-Dichloroethane        | 5.800          | 62   | 1440       | 0.403    | ug/L # | 86       |
| 30) 1,1,1-Trichloroethane     | 5.321          | 97   | 3690       | 0.930    | ug/L   | 93       |
| 37) 1,2-Dichloropropane       | 6.690          | 63   | 12708      | 4.937    | ug/L # | 87       |
| 39) cis-1,3-Dichloropropene   | 7.565          | 75   | 2875       | 0.720    | ug/L # | 63       |
| 60) 1,2,3-Trichloropropane    | 11.812         | 75   | 19430      | 5.550    | ug/L # | 66       |
| -----                         |                |      |            |          |        |          |

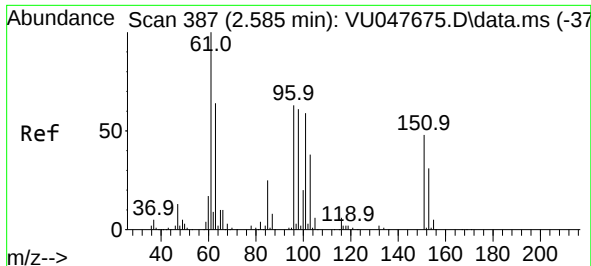
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Mar 26 02:50:24 2022  
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.474 ug/L

RT: 2.571 min Scan# 383

Delta R.T. -0.013 min

Lab File: VU047683.D

Acq: 25 Mar 2022 19:33

Instrument :

MSVOA\_U

ClientSampleId :

EW5Z2

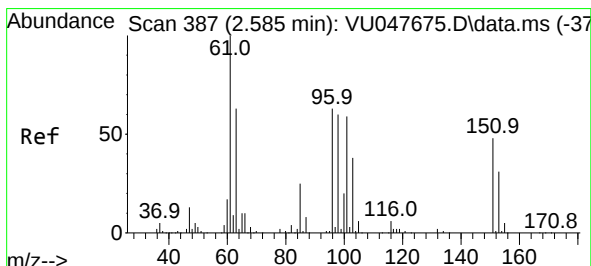
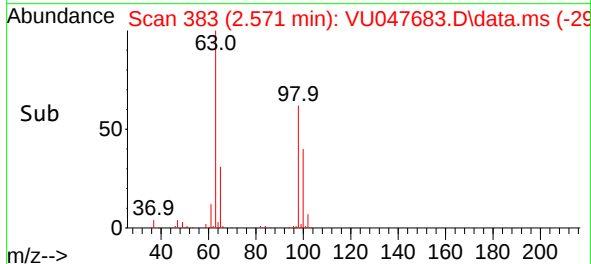
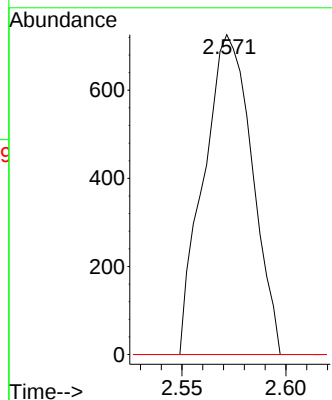
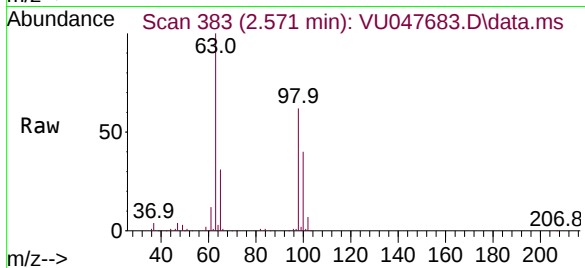
Tgt Ion:101 Resp: 1175

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

151 0.0 63.0 94.6#



#12

1,1-Dichloroethene

Concen: 0.564 ug/L

RT: 2.581 min Scan# 386

Delta R.T. -0.003 min

Lab File: VU047683.D

Acq: 25 Mar 2022 19:33

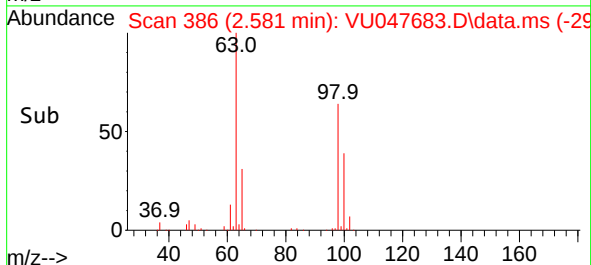
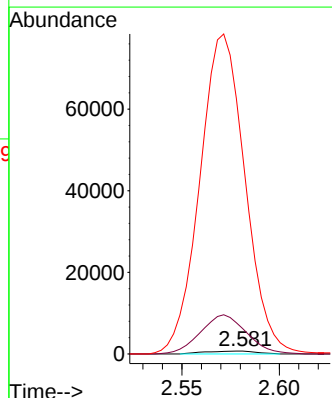
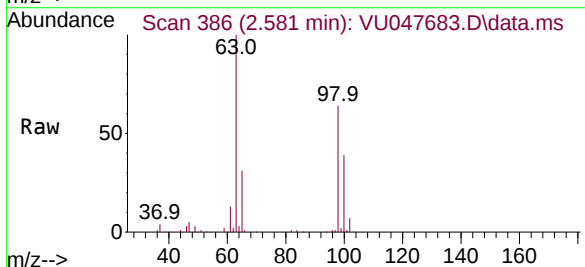
Tgt Ion: 96 Resp: 1303

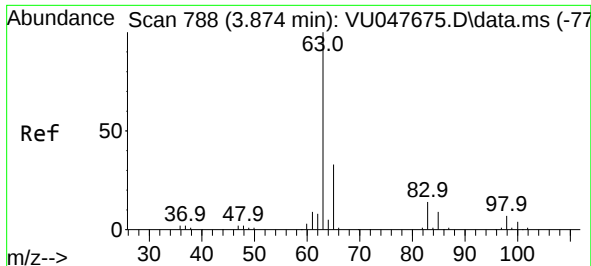
Ion Ratio Lower Upper

96 100

61 887.9 113.1 210.1#

63 6976.6 94.8 176.0#





#19

1,1-Dichloroethane

Concen: 12.388 ug/L

RT: 3.877 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU047683.D

Acq: 25 Mar 2022 19:33

Instrument :

MSVOA\_U

ClientSampleId :

EW5Z2

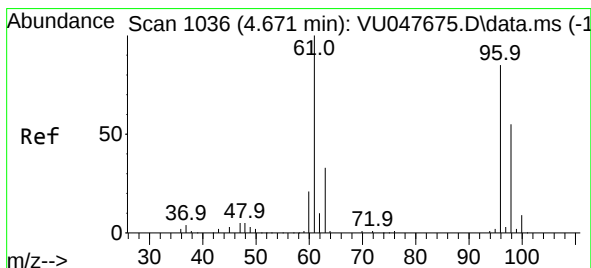
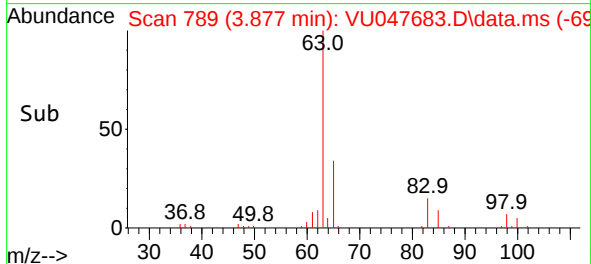
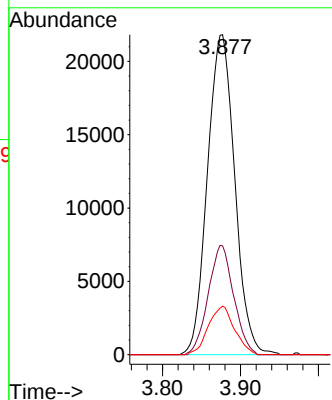
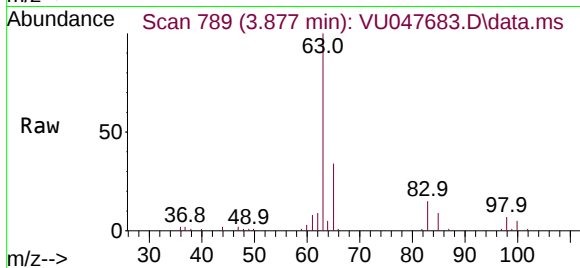
Tgt Ion: 63 Resp: 53192

Ion Ratio Lower Upper

63 100

65 34.0 22.0 41.0

83 15.1 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 13.659 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU047683.D

Acq: 25 Mar 2022 19:33

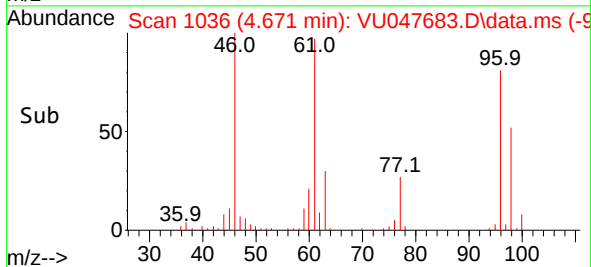
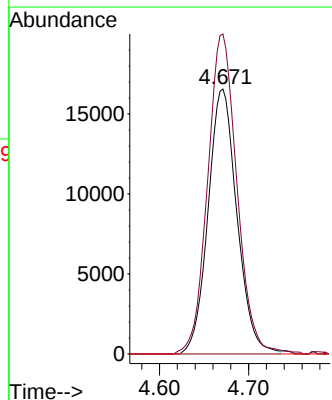
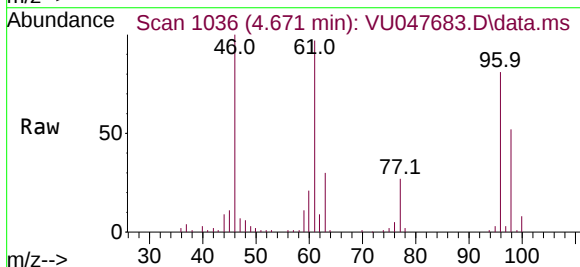
Tgt Ion: 96 Resp: 37282

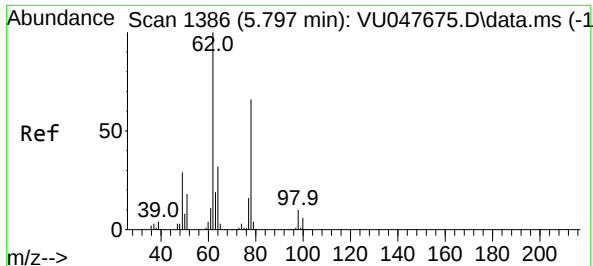
Ion Ratio Lower Upper

96 100

61 120.8 80.7 149.9

68 0.0 0.0 0.0

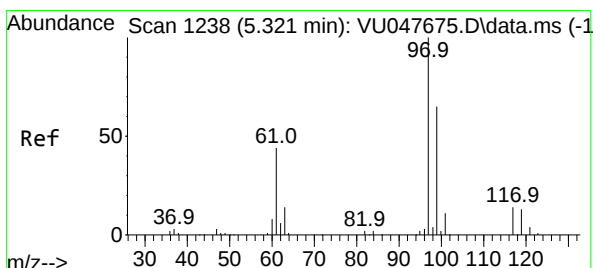
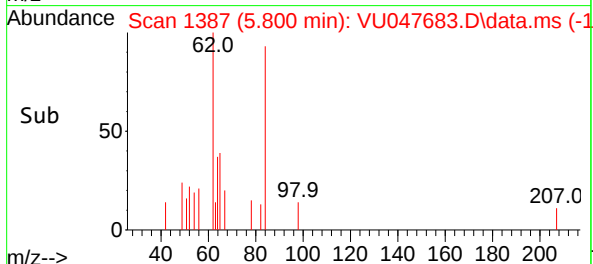
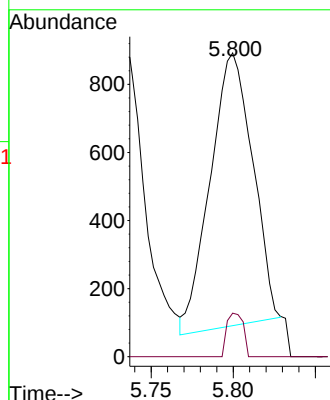
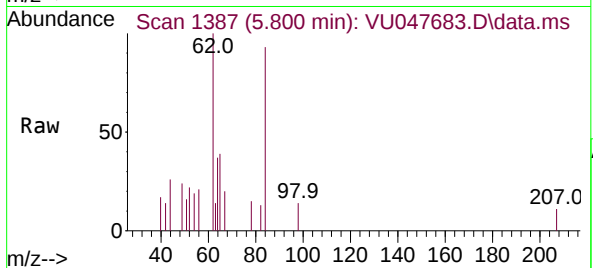




#27  
1,2-Dichloroethane  
Concen: 0.403 ug/L  
RT: 5.800 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU047683.D  
Acq: 25 Mar 2022 19:33

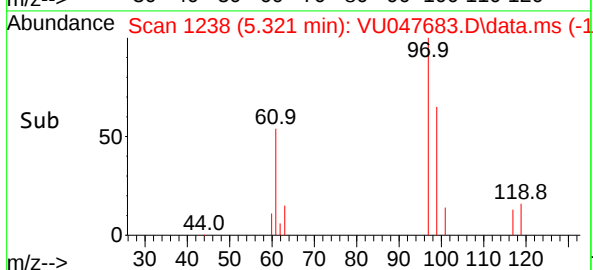
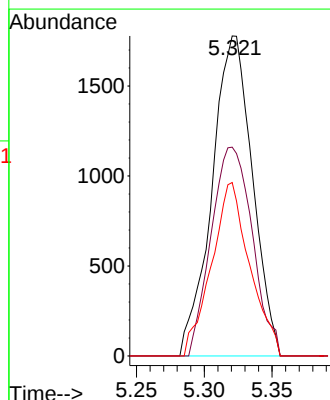
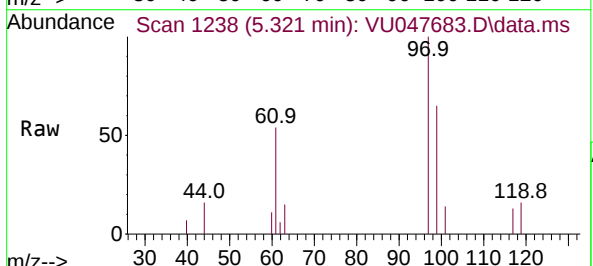
Instrument :  
MSVOA\_U  
ClientSampleId :  
EW5Z2

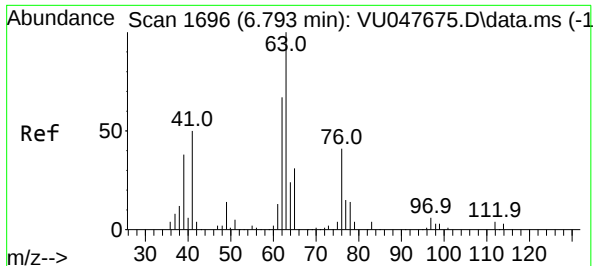
Tgt Ion: 62 Resp: 1440  
Ion Ratio Lower Upper  
62 100  
98 14.3 7.4 11.0#



#30  
1,1,1-Trichloroethane  
Concen: 0.930 ug/L  
RT: 5.321 min Scan# 1238  
Delta R.T. -0.000 min  
Lab File: VU047683.D  
Acq: 25 Mar 2022 19:33

Tgt Ion: 97 Resp: 3690  
Ion Ratio Lower Upper  
97 100  
99 66.5 51.6 77.4  
61 51.3 34.2 51.4





#37

1,2-Dichloropropane

Concen: 4.937 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU047683.D

Acq: 25 Mar 2022 19:33

Instrument :

MSVOA\_U

ClientSampleId :

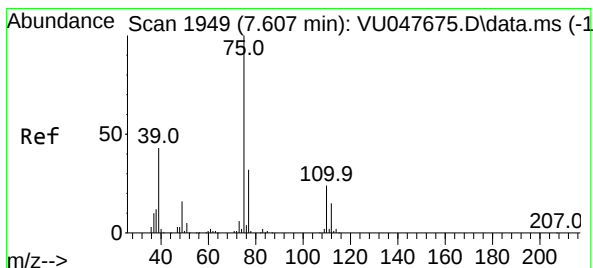
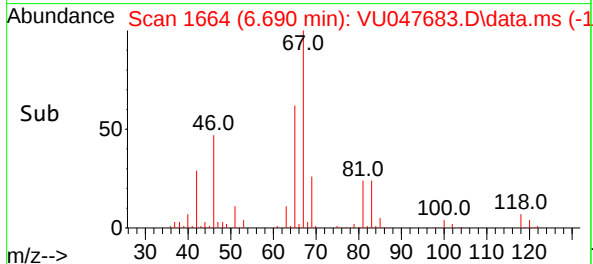
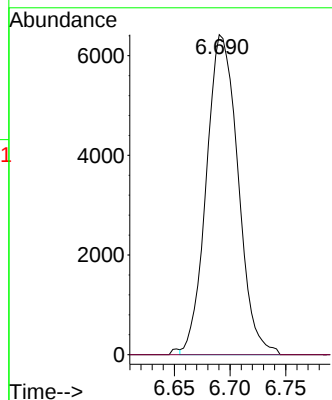
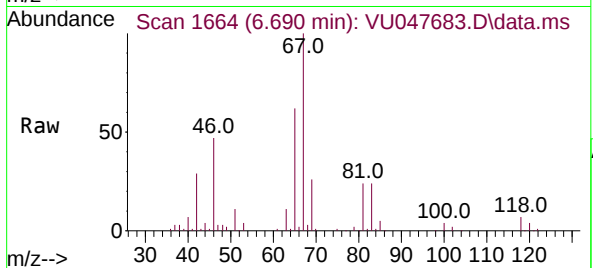
EW5Z2

Tgt Ion: 63 Resp: 12708

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#39

cis-1,3-Dichloropropene

Concen: 0.720 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.042 min

Lab File: VU047683.D

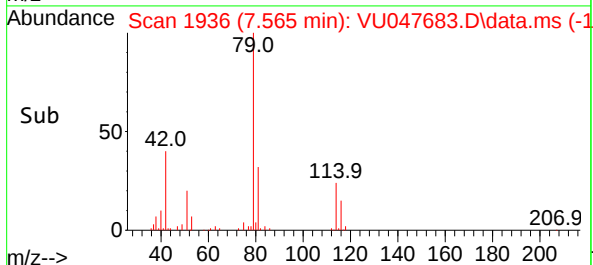
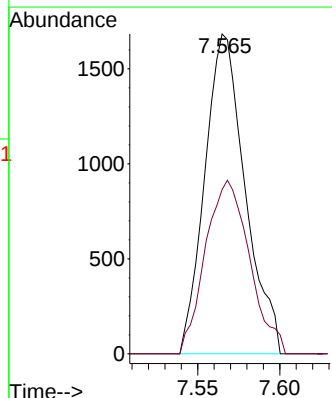
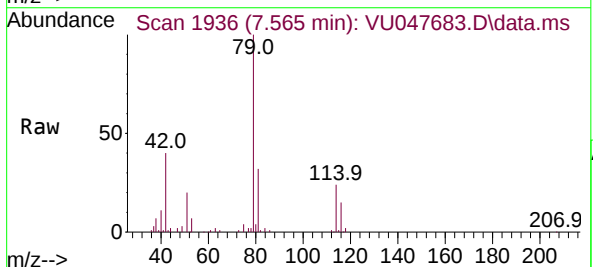
Acq: 25 Mar 2022 19:33

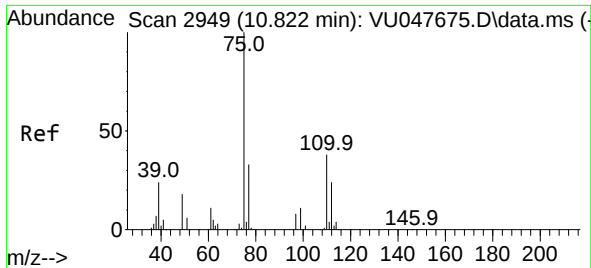
Tgt Ion: 75 Resp: 2875

Ion Ratio Lower Upper

75 100

77 51.4 21.8 40.6#





#60  
 1,2,3-Trichloropropane  
 Concen: 5.550 ug/L  
 RT: 11.812 min Scan# 31  
 Delta R.T. 0.990 min  
 Lab File: VU047683.D  
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 MSVOA\_U  
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Tgt Ion: 75 Resp: 19430  
 Ion Ratio Lower Upper  
 75 100  
 77 33.4 26.0 39.0  
 110 1.9 31.4 47.2#

