

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121021\  
 Data File : VU046268.D  
 Acq On : 10 Dec 2021 16:24  
 Operator : SY/MD  
 Sample : M4943-06  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 10 22:25:00 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 03 05:08:36 2021  
 Response via : Initial Calibration

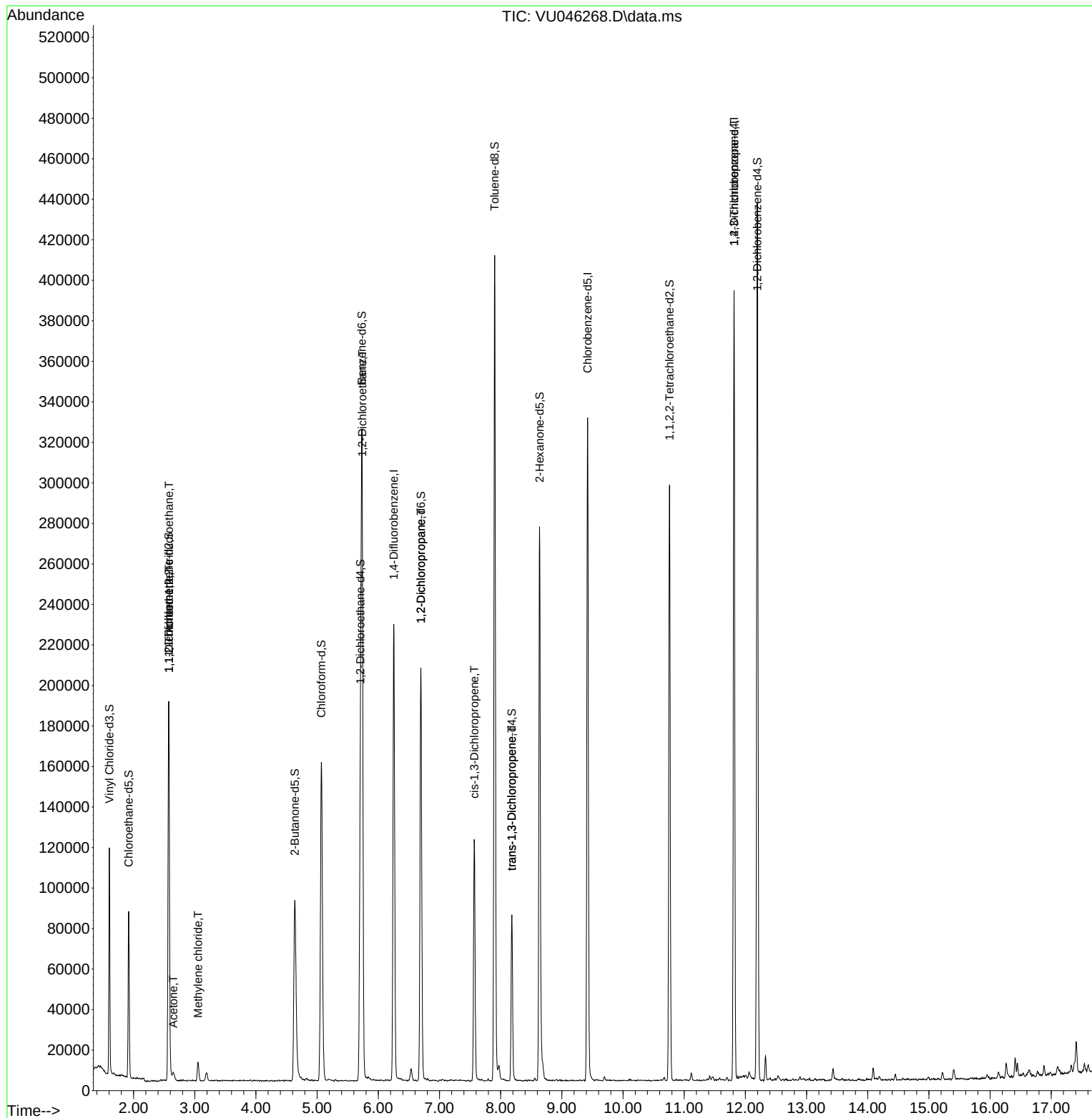
| Compound                      | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                         |                |      |                     |         |        |          |
| Internal Standards            |                |      |                     |         |        |          |
| 1) 1,4-Difluorobenzene        | 6.253          | 114  | 188213              | 50.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420          | 117  | 191690              | 50.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.816         | 152  | 102518              | 50.000  | ug/L   | 0.00     |
|                               |                |      |                     |         |        |          |
| System Monitoring Compounds   |                |      |                     |         |        |          |
| 4) Vinyl Chloride-d3          | 1.604          | 65   | 76846               | 49.565  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = 99.140%  |         |        |          |
| 7) Chloroethane-d5            | 1.919          | 69   | 60212               | 50.582  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = 101.160% |         |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.575          | 63   | 111054              | 39.901  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 79.800%  |         |        |          |
| 21) 2-Butanone-d5             | 4.636          | 46   | 139806              | 113.433 | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = 113.430% |         |        |          |
| 24) Chloroform-d              | 5.070          | 84   | 146382              | 56.538  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 113.080% |         |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.707          | 65   | 100430              | 57.799  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 115.600% |         |        |          |
| 32) Benzene-d6                | 5.732          | 84   | 310334              | 56.484  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 112.960% |         |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.697          | 67   | 98534               | 57.868  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = 115.740% |         |        |          |
| 41) Toluene-d8                | 7.903          | 98   | 273067              | 54.587  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 109.180% |         |        |          |
| 43) trans-1,3-Dichloroprop... | 8.182          | 79   | 48462               | 58.958  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 117.920% |         |        |          |
| 47) 2-Hexanone-d5             | 8.636          | 63   | 99701               | 123.495 | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = 123.490% |         |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761         | 84   | 148180              | 57.384  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = 114.760% |         |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195         | 152  | 113459              | 57.468  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 114.940% |         |        |          |
|                               |                |      |                     |         |        |          |
| Target Compounds              |                |      |                     |         |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578          | 101  | 989                 | 0.722   | ug/L # | 21       |
| 12) 1,1-Dichloroethene        | 2.578          | 96   | 757                 | 0.582   | ug/L # | 1        |
| 13) Acetone                   | 2.649          | 43   | 5981                | 3.883   | ug/L   | 97       |
| 16) Methylene chloride        | 3.054          | 84   | 4942                | 3.192   | ug/L   | 91       |
| 27) 1,2-Dichloroethane        | 5.739          | 62   | 1561                | 0.756   | ug/L # | 73       |
| 37) 1,2-Dichloropropane       | 6.697          | 63   | 10507               | 6.913   | ug/L # | 86       |
| 39) cis-1,3-Dichloropropene   | 7.571          | 75   | 2965                | 1.282   | ug/L # | 68       |
| 44) trans-1,3-Dichloropropene | 8.182          | 75   | 1915                | 0.843   | ug/L   | 86       |
| 60) 1,2,3-Trichloropropane    | 11.816         | 75   | 11771               | 5.238   | ug/L # | 65       |
| -----                         |                |      |                     |         |        |          |

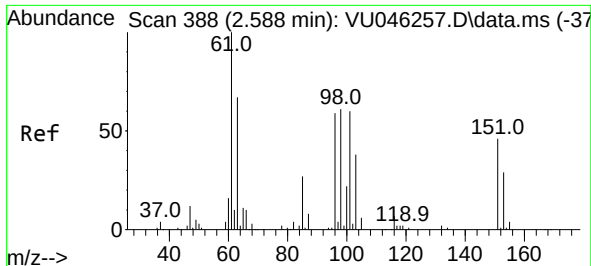
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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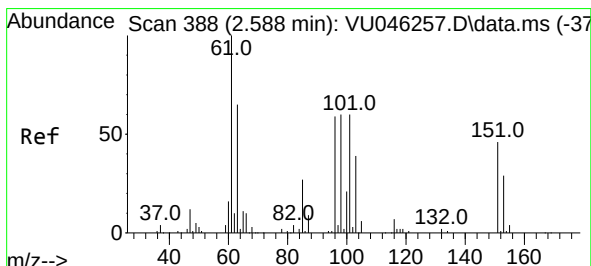
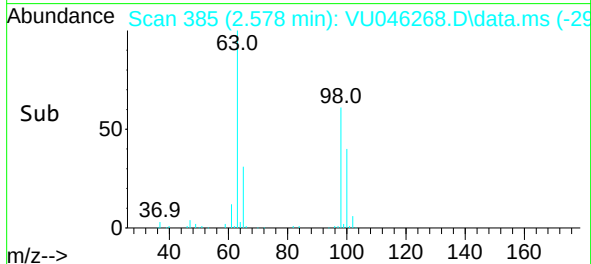
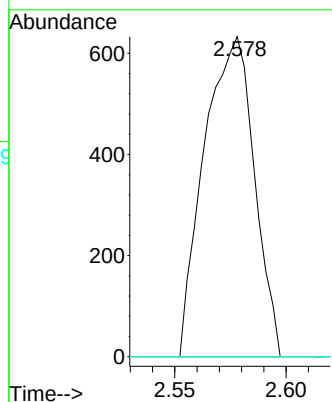
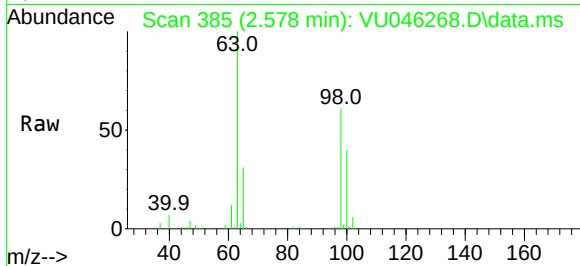




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.722 ug/L  
 RT: 2.578 min Scan# 385  
 Delta R.T. -0.010 min  
 Lab File: VU046268.D  
 Acq: 10 Dec 2021 16:24

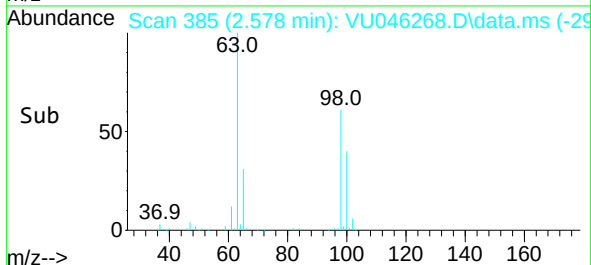
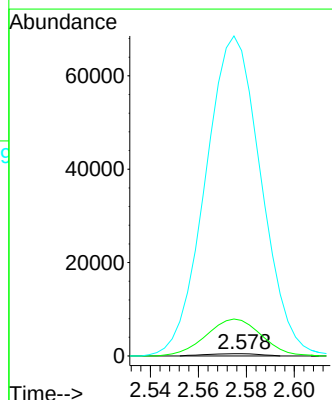
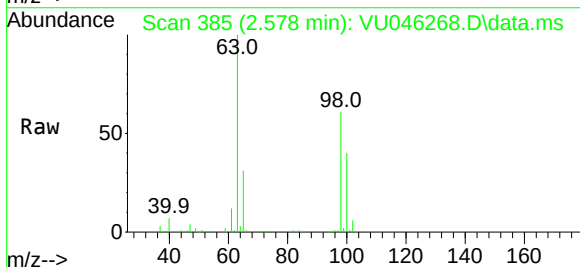
Instrument :  
 MSVOA\_U  
 ClientSampleId :

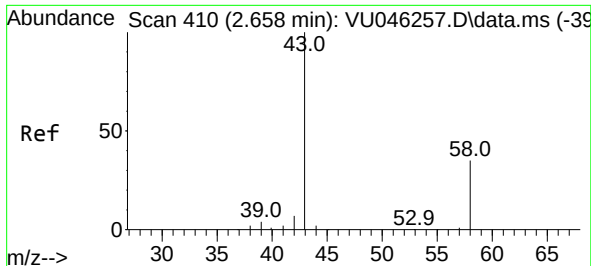
Tgt Ion:101 Resp: 989  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 35.1 52.7#  
 151 0.0 56.7 85.1#



#12  
 1,1-Dichloroethene  
 Concen: 0.582 ug/L  
 RT: 2.578 min Scan# 385  
 Delta R.T. -0.006 min  
 Lab File: VU046268.D  
 Acq: 10 Dec 2021 16:24

Tgt Ion: 96 Resp: 757  
 Ion Ratio Lower Upper  
 96 100  
 61 1556.4 118.6 220.2#  
 63 13371.0 93.0 172.8#





#13

Acetone

Concen: 3.883 ug/L

RT: 2.649 min Scan# 407

Delta R.T. -0.013 min

Lab File: VU046268.D

Acq: 10 Dec 2021 16:24

Instrument :

MSVOA\_U

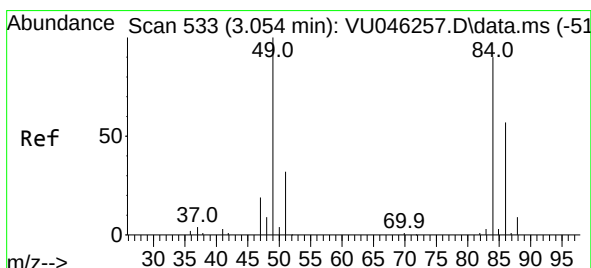
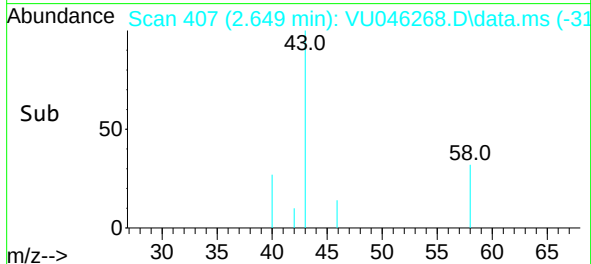
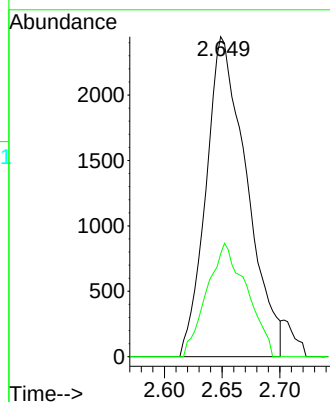
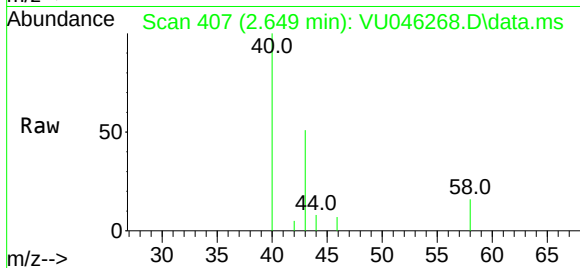
ClientSampleId :

Tgt Ion: 43 Resp: 5981

Ion Ratio Lower Upper

43 100

58 34.9 0.0 66.8



#16

Methylene chloride

Concen: 3.192 ug/L

RT: 3.054 min Scan# 533

Delta R.T. 0.003 min

Lab File: VU046268.D

Acq: 10 Dec 2021 16:24

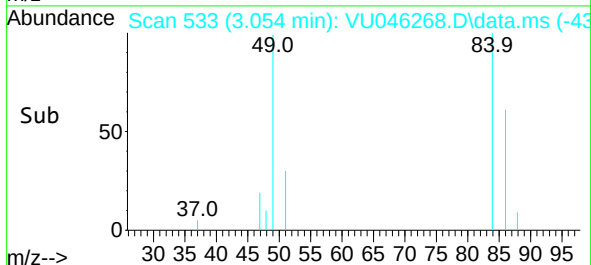
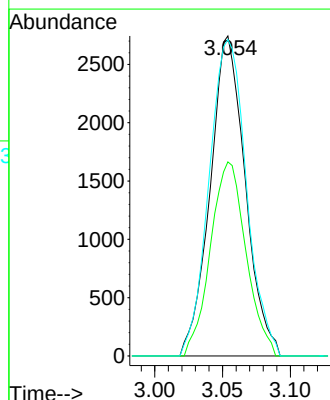
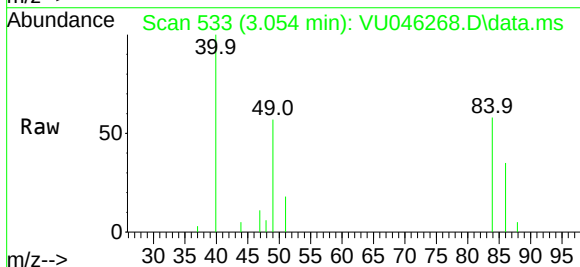
Tgt Ion: 84 Resp: 4942

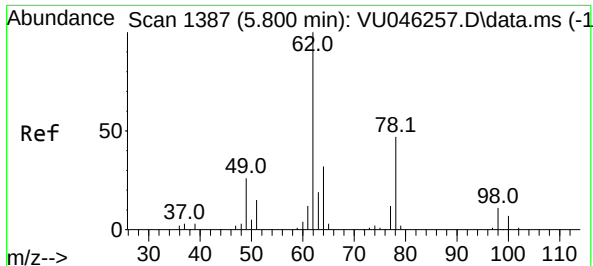
Ion Ratio Lower Upper

84 100

86 60.7 44.7 83.1

49 98.9 78.4 145.6





#27

1,2-Dichloroethane

Concen: 0.756 ug/L

RT: 5.739 min Scan# 11

Delta R.T. -0.061 min

Lab File: VU046268.D

Acq: 10 Dec 2021 16:24

Instrument :

MSVOA\_U

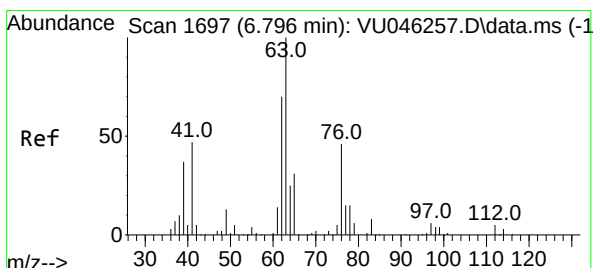
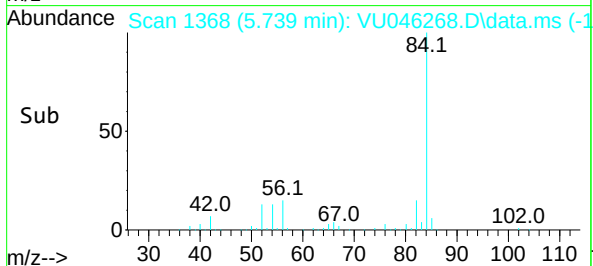
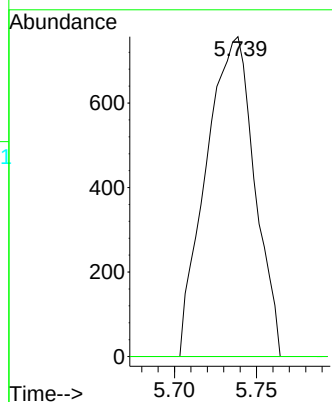
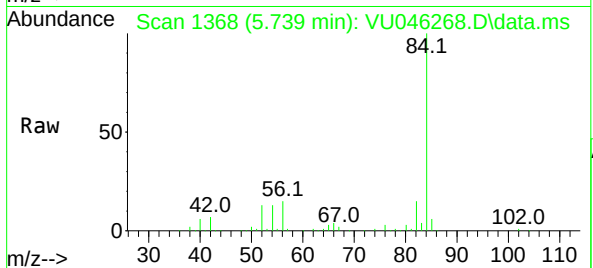
ClientSampleId :

Tgt Ion: 62 Resp: 1561

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#



#37

1,2-Dichloropropane

Concen: 6.913 ug/L

RT: 6.697 min Scan# 1666

Delta R.T. -0.096 min

Lab File: VU046268.D

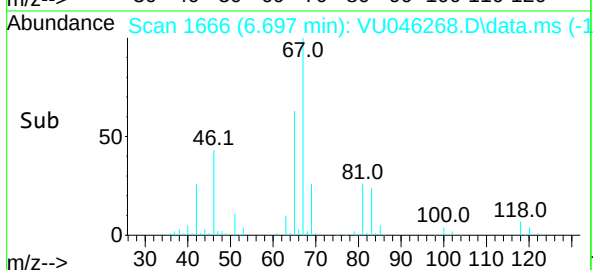
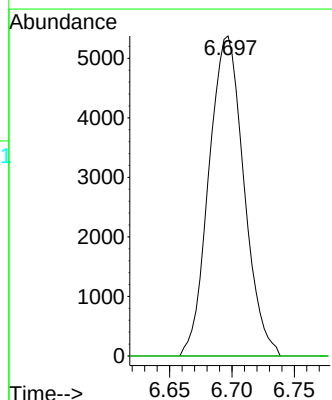
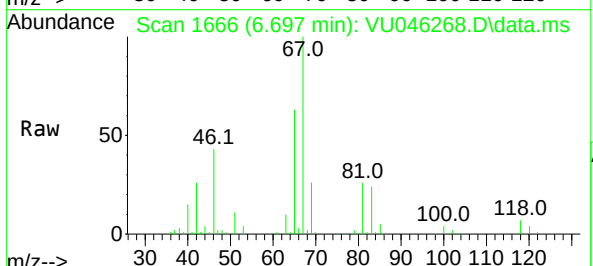
Acq: 10 Dec 2021 16:24

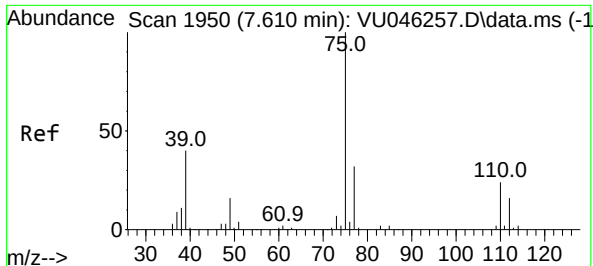
Tgt Ion: 63 Resp: 10507

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#

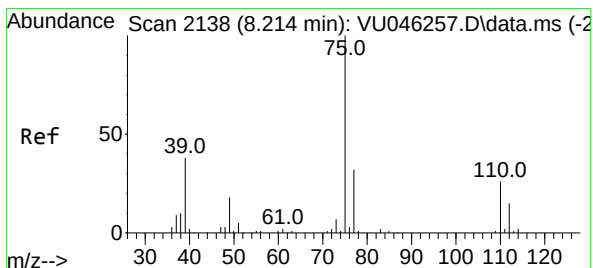
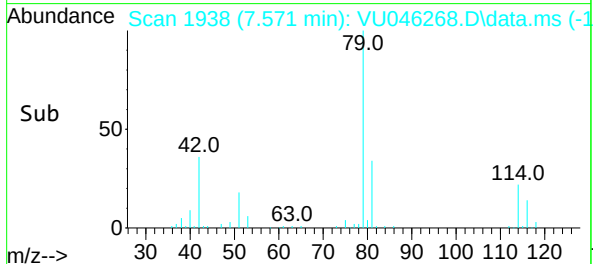
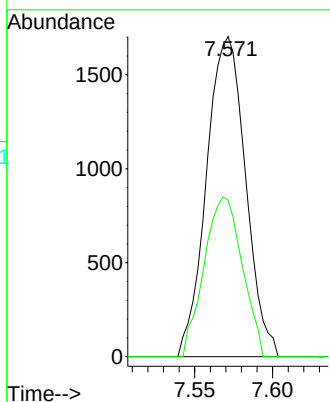
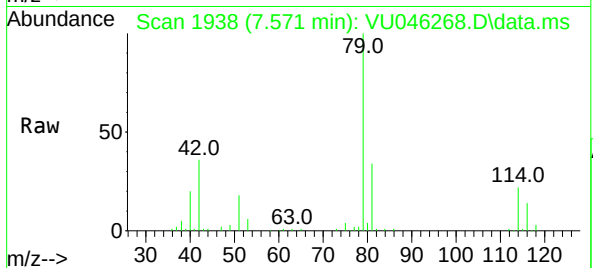




#39  
cis-1,3-Dichloropropene  
Concen: 1.282 ug/L  
RT: 7.571 min Scan# 1950  
Delta R.T. -0.039 min  
Lab File: VU046268.D  
Acq: 10 Dec 2021 16:24

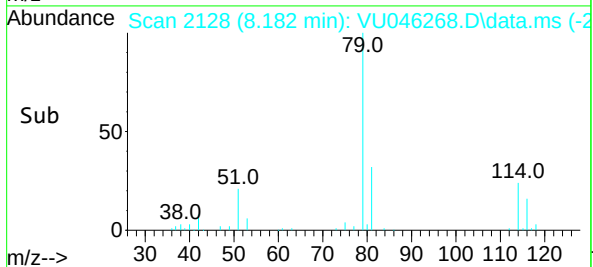
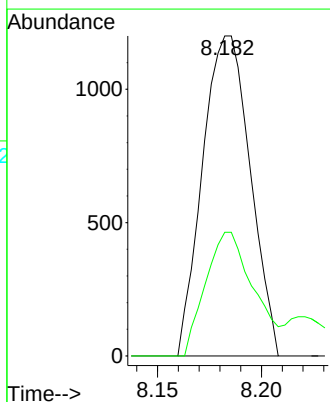
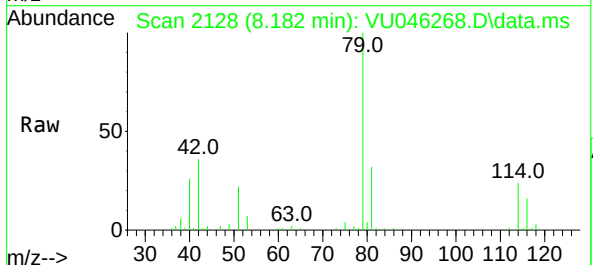
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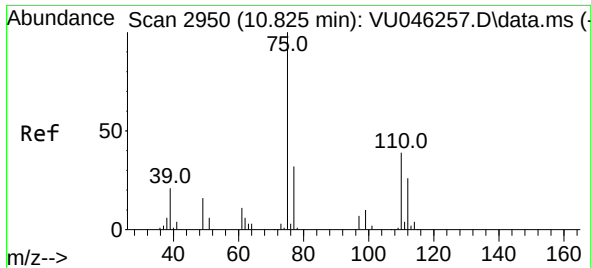
Tgt Ion: 75 Resp: 2965  
Ion Ratio Lower Upper  
75 100  
77 48.9 21.8 40.6#



#44  
trans-1,3-Dichloropropene  
Concen: 0.843 ug/L  
RT: 8.182 min Scan# 2128  
Delta R.T. -0.032 min  
Lab File: VU046268.D  
Acq: 10 Dec 2021 16:24

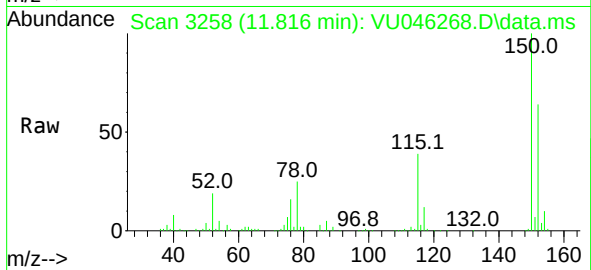
Tgt Ion: 75 Resp: 1915  
Ion Ratio Lower Upper  
75 100  
77 38.7 21.7 40.3





#60  
 1,2,3-Trichloropropane  
 Concen: 5.238 ug/L  
 RT: 11.816 min Scan# 31  
 Delta R.T. 0.990 min  
 Lab File: VU046268.D  
 Acq: 10 Dec 2021 16:24

Instrument :  
 MSVOA\_U  
 ClientSampleId :



|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 75 | Resp: | 11771       |
| Ion         | Ratio | Lower Upper |
| 75          | 100   |             |
| 77          | 31.3  | 26.4 39.6   |
| 110         | 2.4   | 32.4 48.6#  |

