

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121321\  
 Data File : VU046323.D  
 Acq On : 13 Dec 2021 18:13  
 Operator : SY/MD  
 Sample : M4971-16  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 14 03:53:16 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Dec 14 03:19:41 2021  
 Response via : Initial Calibration

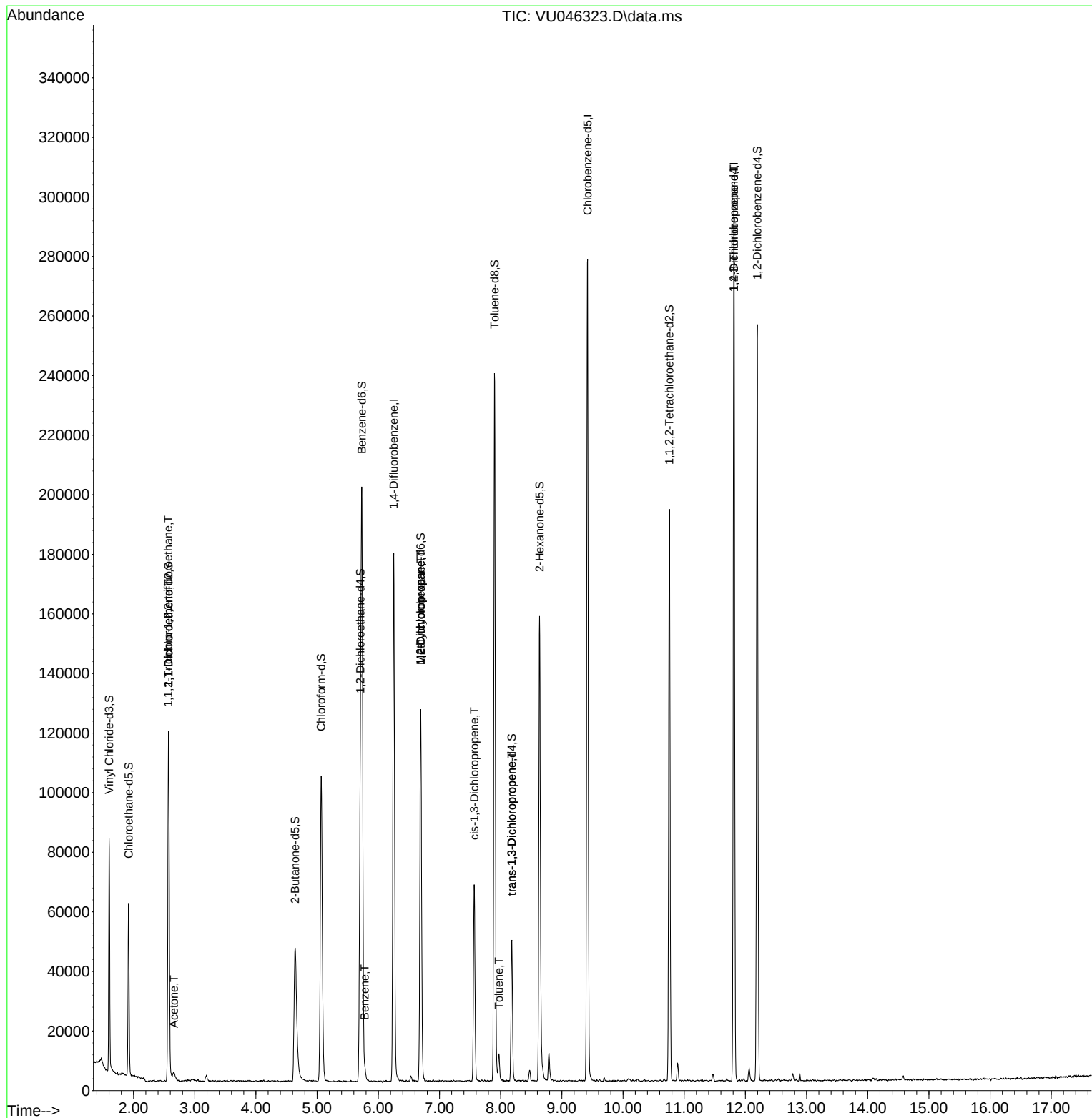
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253          | 114  | 141502     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420          | 117  | 153419     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 74564      | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601          | 65   | 54645      | 46.881   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 93.760%  |        |          |
| 7) Chloroethane-d5            | 1.919          | 69   | 41208      | 46.045   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 92.080%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.572          | 63   | 70813      | 33.841   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 67.680%  |        |          |
| 21) 2-Butanone-d5             | 4.639          | 46   | 84437      | 91.124   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 91.120%  |        |          |
| 24) Chloroform-d              | 5.067          | 84   | 91170      | 46.837   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 93.680%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.707          | 65   | 63042      | 48.259   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 96.520%  |        |          |
| 32) Benzene-d6                | 5.732          | 84   | 187791     | 42.706   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 85.420%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.694          | 67   | 58784      | 43.135   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 86.280%  |        |          |
| 41) Toluene-d8                | 7.899          | 98   | 158263     | 39.529   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 79.060%# |        |          |
| 43) trans-1,3-Dichloroprop... | 8.182          | 79   | 27395      | 41.642   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 83.280%  |        |          |
| 47) 2-Hexanone-d5             | 8.636          | 63   | 56835      | 87.960   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 87.960%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758         | 84   | 93329      | 45.158   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 90.320%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195         | 152  | 64082      | 44.626   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 89.260%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.568          | 101  | 631        | 0.613    | ug/L # | 21       |
| 12) 1,1-Dichloroethene        | 2.572          | 96   | 554        | 0.566    | ug/L # | 1        |
| 13) Acetone                   | 2.662          | 43   | 4991       | 4.310    | ug/L   | 97       |
| 33) Benzene                   | 5.777          | 78   | 3294       | 0.709    | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.694          | 83   | 14640      | 7.719    | ug/L # | 20       |
| 37) 1,2-Dichloropropane       | 6.694          | 63   | 6681       | 5.493    | ug/L # | 86       |
| 39) cis-1,3-Dichloropropene   | 7.568          | 75   | 1714       | 0.926    | ug/L # | 62       |
| 42) Toluene                   | 7.973          | 91   | 6454       | 1.295    | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 8.182          | 75   | 1163       | 0.640    | ug/L   | 89       |
| 60) 1,2,3-Trichloropropane    | 11.812         | 75   | 9373       | 5.734    | ug/L # | 65       |
| -----                         |                |      |            |          |        |          |

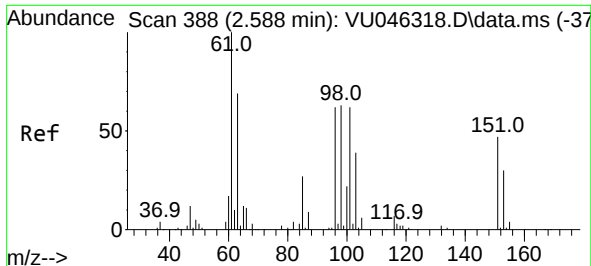
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Title : VOC Analysis  
QLast Update : Tue Dec 14 03:19:41 2021  
Response via : Initial Calibration

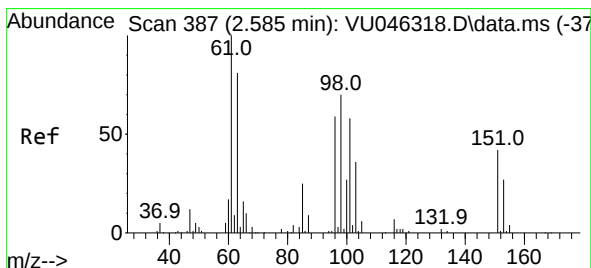
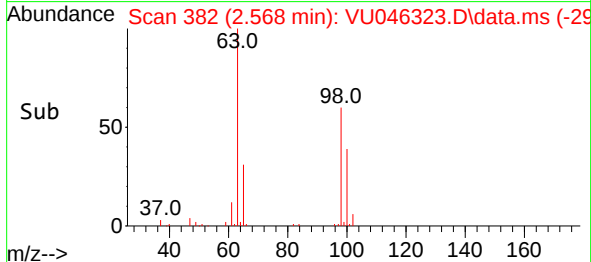
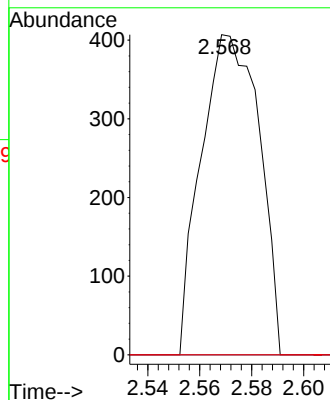
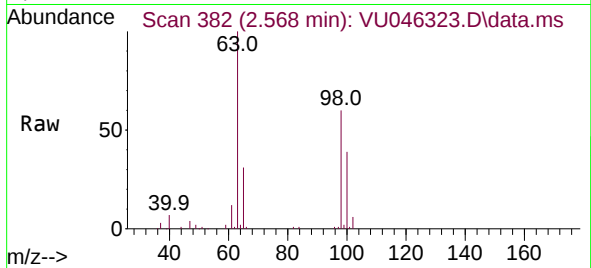




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.613 ug/L  
RT: 2.568 min Scan# 382  
Delta R.T. -0.019 min  
Lab File: VU046323.D  
Acq: 13 Dec 2021 18:13

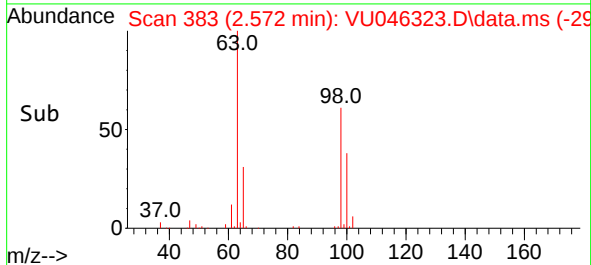
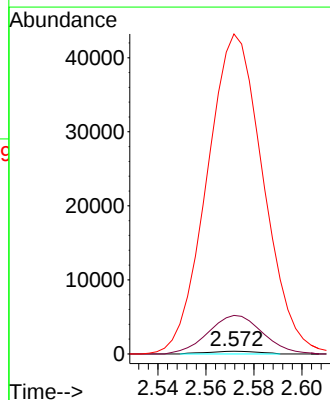
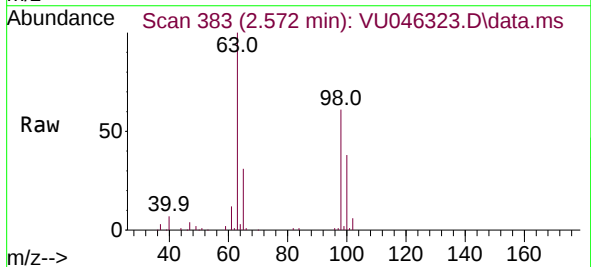
Instrument :  
MSVOA\_U  
ClientSampleId :

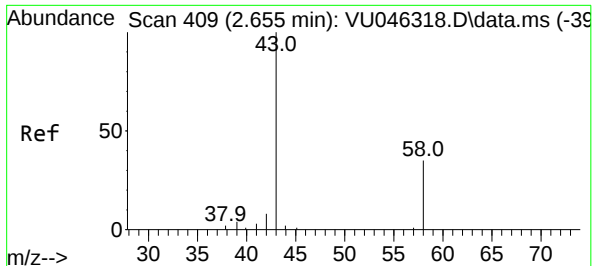
Tgt Ion:101 Resp: 631  
Ion Ratio Lower Upper  
101 100  
85 0.0 35.1 52.7#  
151 0.0 56.7 85.1#



#12  
1,1-Dichloroethene  
Concen: 0.566 ug/L  
RT: 2.572 min Scan# 383  
Delta R.T. -0.013 min  
Lab File: VU046323.D  
Acq: 13 Dec 2021 18:13

Tgt Ion: 96 Resp: 554  
Ion Ratio Lower Upper  
96 100  
61 1428.8 118.6 220.2#  
63 11837.8 93.0 172.8#

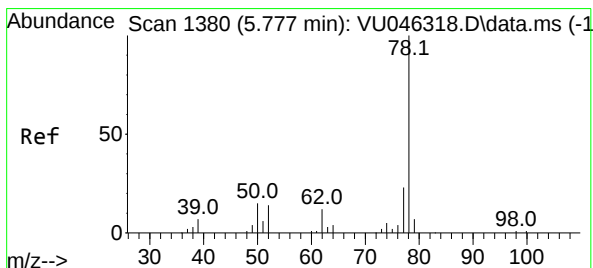
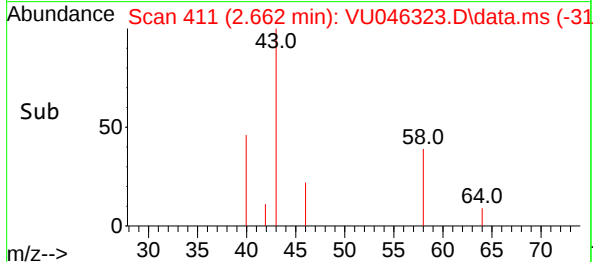
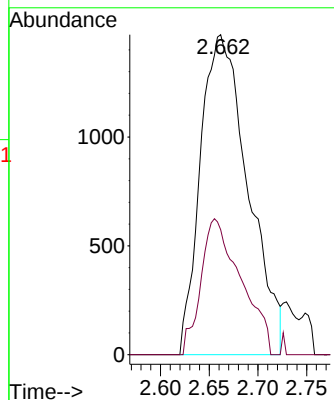
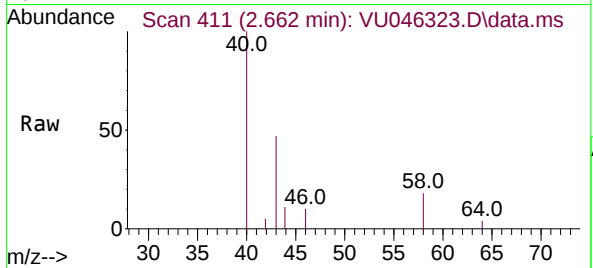




#13  
Acetone  
Concen: 4.310 ug/L  
RT: 2.662 min Scan# 411  
Delta R.T. 0.007 min  
Lab File: VU046323.D  
Acq: 13 Dec 2021 18:13

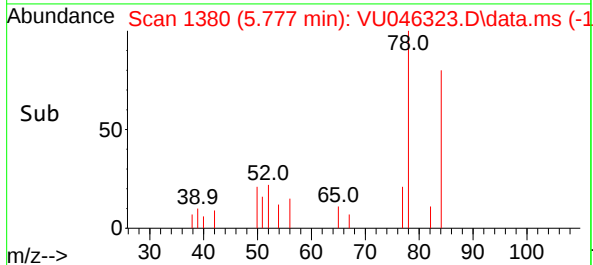
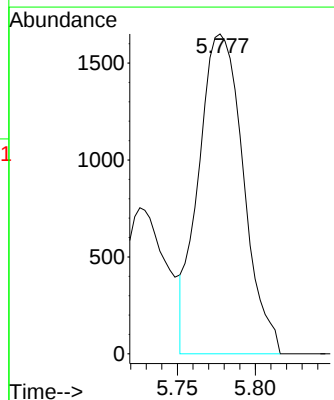
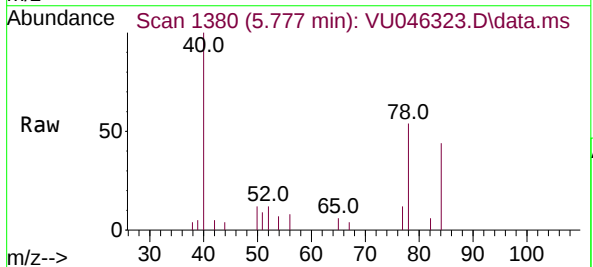
Instrument :  
MSVOA\_U  
ClientSampleId :

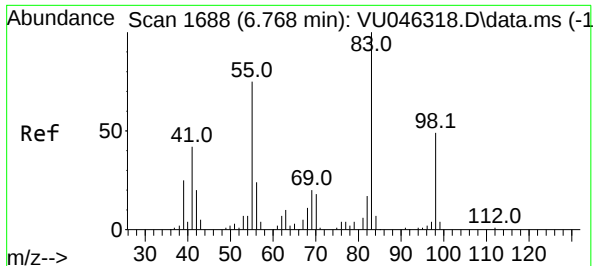
Tgt Ion: 43 Resp: 4991  
Ion Ratio Lower Upper  
43 100  
58 34.9 0.0 66.8



#33  
Benzene  
Concen: 0.709 ug/L  
RT: 5.777 min Scan# 1380  
Delta R.T. -0.000 min  
Lab File: VU046323.D  
Acq: 13 Dec 2021 18:13

Tgt Ion: 78 Resp: 3294

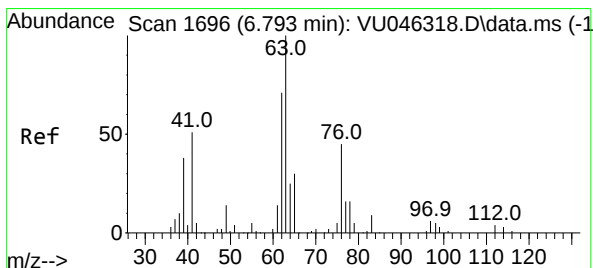
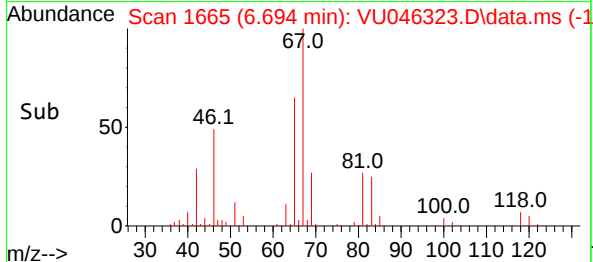
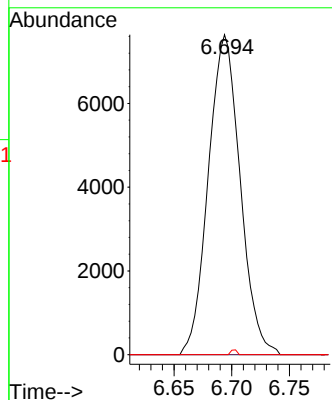
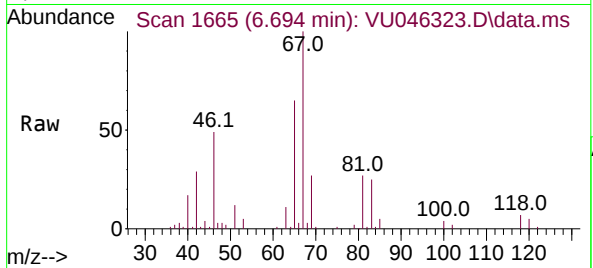




#35  
Methylcyclohexane  
Concen: 7.719 ug/L  
RT: 6.694 min Scan# 1665  
Delta R.T. -0.074 min  
Lab File: VU046323.D  
Acq: 13 Dec 2021 18:13

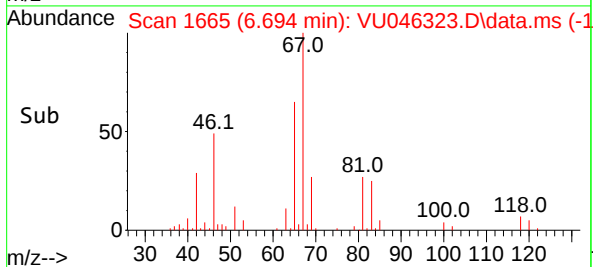
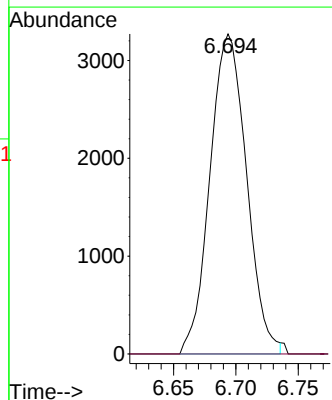
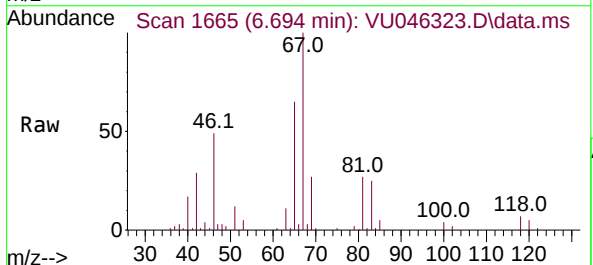
Instrument :  
MSVOA\_U  
ClientSampleId :

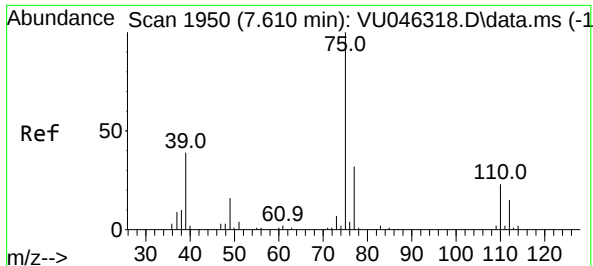
Tgt Ion: 83 Resp: 14640  
Ion Ratio Lower Upper  
83 100  
55 0.0 57.8 86.6#  
98 0.3 38.4 57.6#



#37  
1,2-Dichloropropane  
Concen: 5.493 ug/L  
RT: 6.694 min Scan# 1665  
Delta R.T. -0.100 min  
Lab File: VU046323.D  
Acq: 13 Dec 2021 18:13

Tgt Ion: 63 Resp: 6681  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.926 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU046323.D

Acq: 13 Dec 2021 18:13

Instrument :

MSVOA\_U

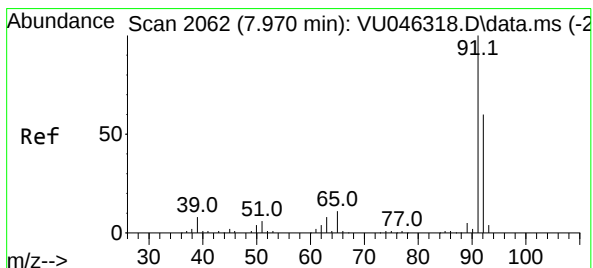
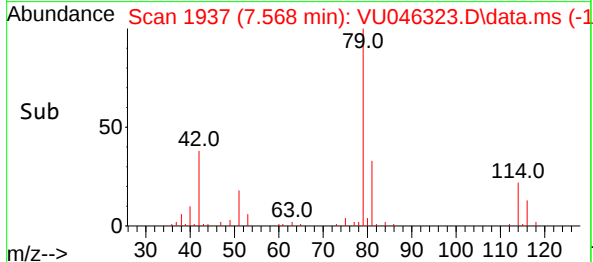
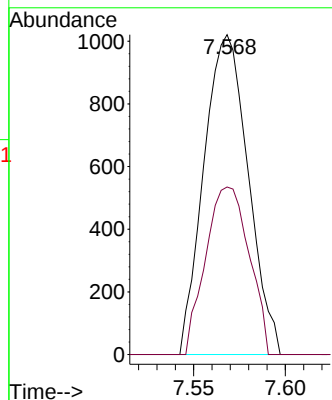
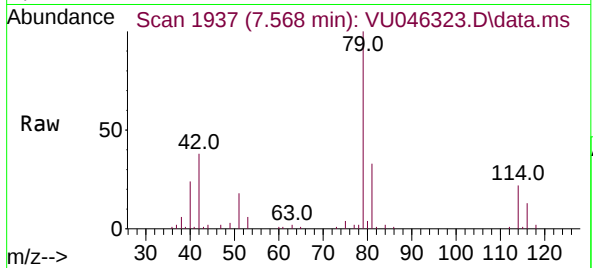
ClientSampleId :

Tgt Ion: 75 Resp: 1714

Ion Ratio Lower Upper

75 100

77 52.4 21.8 40.6#



#42

Toluene

Concen: 1.295 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.003 min

Lab File: VU046323.D

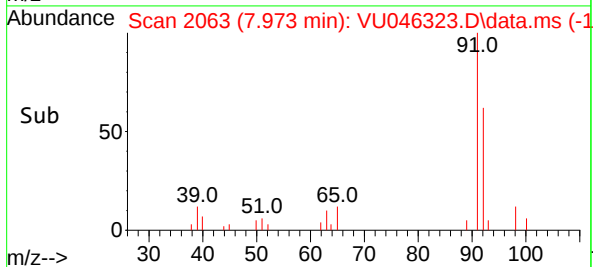
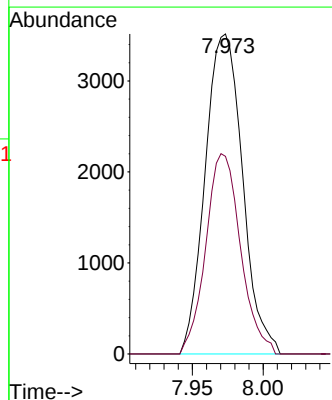
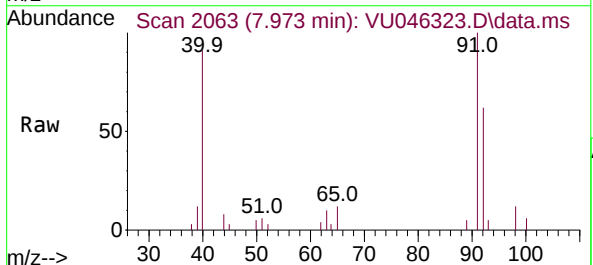
Acq: 13 Dec 2021 18:13

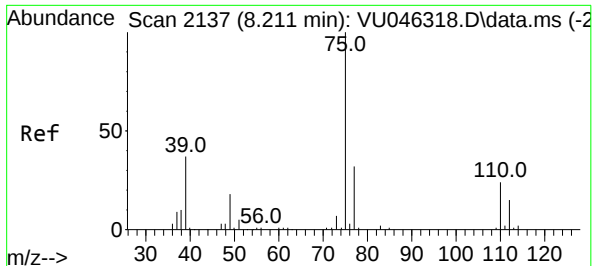
Tgt Ion: 91 Resp: 6454

Ion Ratio Lower Upper

91 100

92 61.7 41.9 77.7

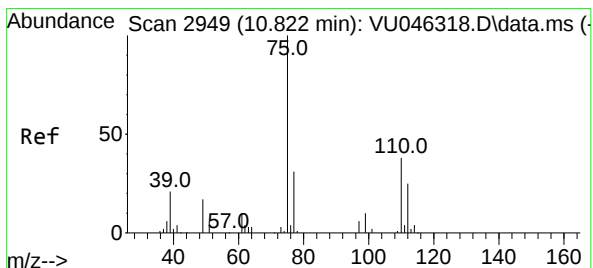
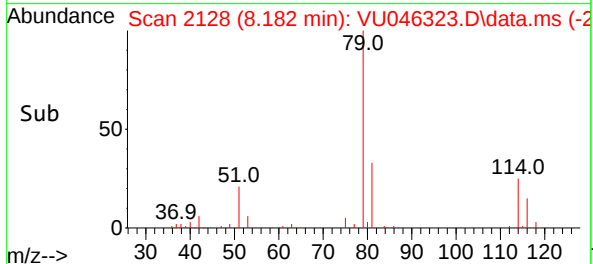
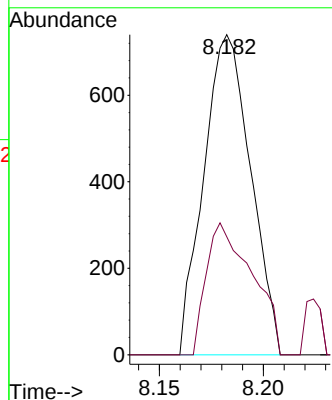
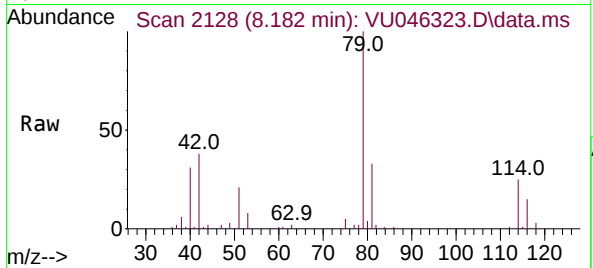




#44  
trans-1,3-Dichloropropene  
Concen: 0.640 ug/L  
RT: 8.182 min Scan# 2137  
Delta R.T. -0.029 min  
Lab File: VU046323.D  
Acq: 13 Dec 2021 18:13

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 75 Resp: 1163  
Ion Ratio Lower Upper  
75 100  
77 36.9 21.7 40.3



#60  
1,2,3-Trichloropropane  
Concen: 5.734 ug/L  
RT: 11.812 min Scan# 3257  
Delta R.T. 0.990 min  
Lab File: VU046323.D  
Acq: 13 Dec 2021 18:13

Tgt Ion: 75 Resp: 9373  
Ion Ratio Lower Upper  
75 100  
77 33.9 26.4 39.6  
110 1.5 32.4 48.6#

