

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121621\  
 Data File : VU046425.D  
 Acq On : 16 Dec 2021 16:47  
 Operator : SY/MD  
 Sample : M5037-14  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 17 01:53:46 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 17 01:49:40 2021  
 Response via : Initial Calibration

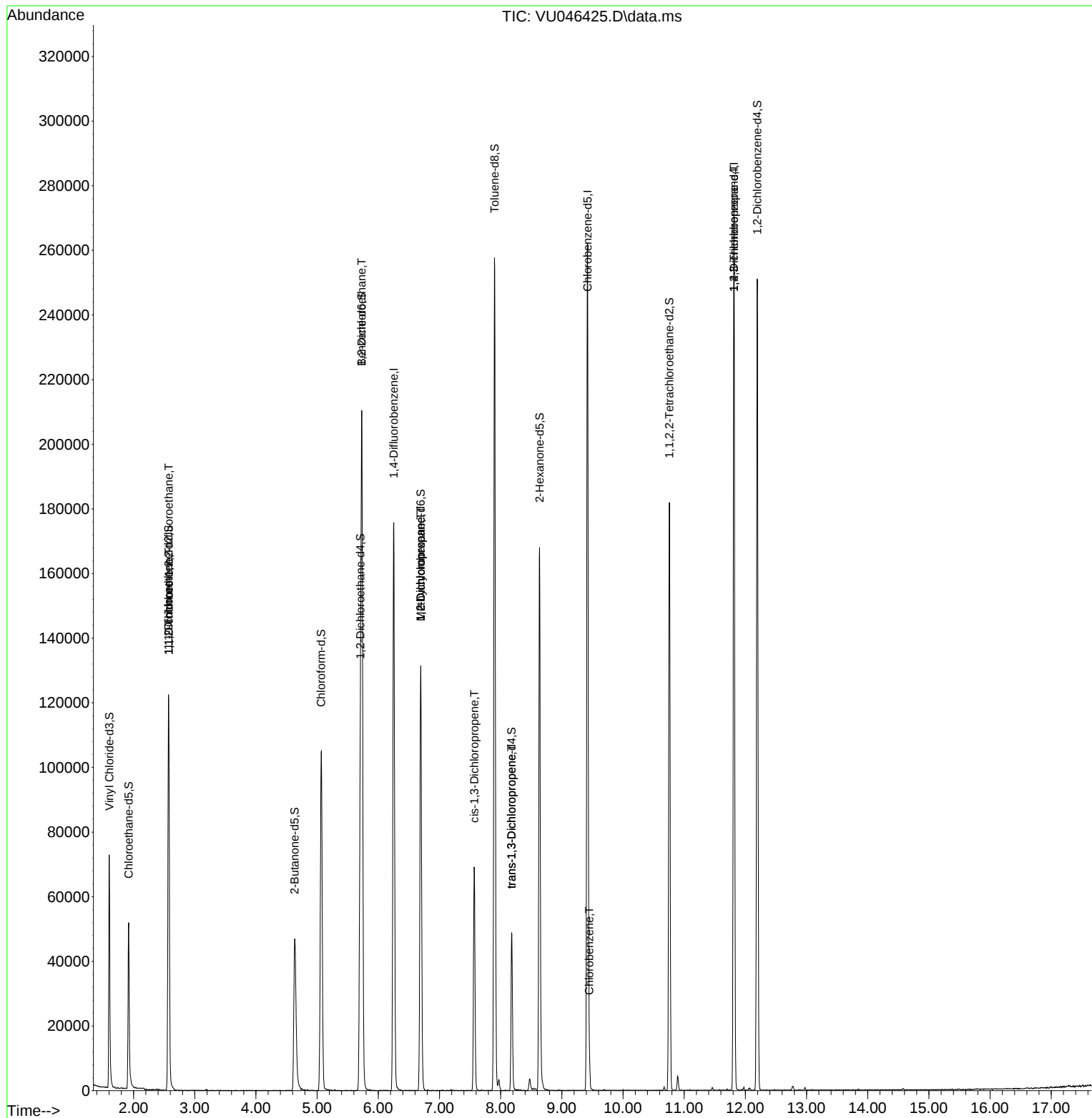
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) 1,4-Difluorobenzene        | 6.253          | 114  | 140091              | 50.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420          | 117  | 144552              | 50.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 68996               | 50.000 | ug/L   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 4) Vinyl Chloride-d3          | 1.604          | 65   | 57811               | 50.096 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = 100.200% |        |        |          |
| 7) Chloroethane-d5            | 1.919          | 69   | 42006               | 47.409 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = 94.820%  |        |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.572          | 63   | 73319               | 35.392 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 70.780%  |        |        |          |
| 21) 2-Butanone-d5             | 4.633          | 46   | 76829               | 83.749 | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = 83.750%  |        |        |          |
| 24) Chloroform-d              | 5.067          | 84   | 99267               | 51.511 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 103.020% |        |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.707          | 65   | 66223               | 51.204 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 102.400% |        |        |          |
| 32) Benzene-d6                | 5.729          | 84   | 194374              | 46.915 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 93.820%  |        |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.694          | 67   | 60460               | 47.086 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = 94.180%  |        |        |          |
| 41) Toluene-d8                | 7.899          | 98   | 170769              | 45.269 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 90.540%  |        |        |          |
| 43) trans-1,3-Dichloroprop... | 8.179          | 79   | 28145               | 45.407 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 90.820%  |        |        |          |
| 47) 2-Hexanone-d5             | 8.636          | 63   | 58001               | 95.271 | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = 95.270%  |        |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758         | 84   | 88477               | 45.436 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = 90.880%  |        |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195         | 152  | 64031               | 48.189 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 96.380%  |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575          | 101  | 648                 | 0.636  | ug/L # | 21       |
| 12) 1,1-Dichloroethene        | 2.575          | 96   | 470                 | 0.485  | ug/L # | 1        |
| 27) 1,2-Dichloroethane        | 5.729          | 62   | 1003                | 0.653  | ug/L # | 73       |
| 35) Methylcyclohexane         | 6.694          | 83   | 15215               | 8.514  | ug/L # | 20       |
| 37) 1,2-Dichloropropane       | 6.694          | 63   | 6807                | 5.939  | ug/L # | 86       |
| 39) cis-1,3-Dichloropropene   | 7.568          | 75   | 1841                | 1.056  | ug/L # | 75       |
| 44) trans-1,3-Dichloropropene | 8.179          | 75   | 1177                | 0.687  | ug/L   | 98       |
| 51) Chlorobenzene             | 9.449          | 112  | 4567                | 1.504  | ug/L   | 95       |
| 60) 1,2,3-Trichloropropane    | 11.812         | 75   | 8601                | 5.687  | ug/L # | 65       |
| -----                         |                |      |                     |        |        |          |

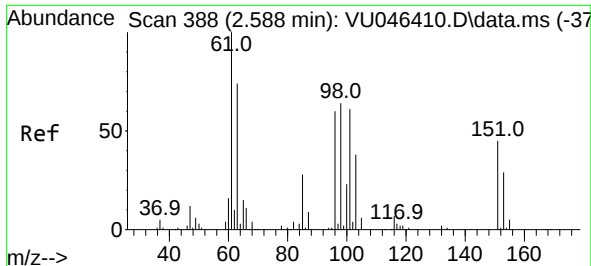
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M5037-14  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

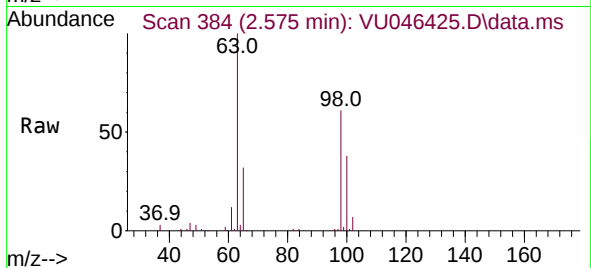
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Dec 17 01:49:40 2021  
Response via : Initial Calibration



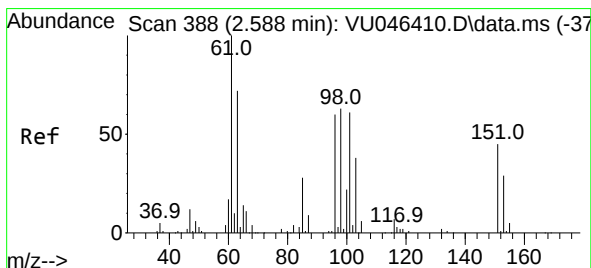
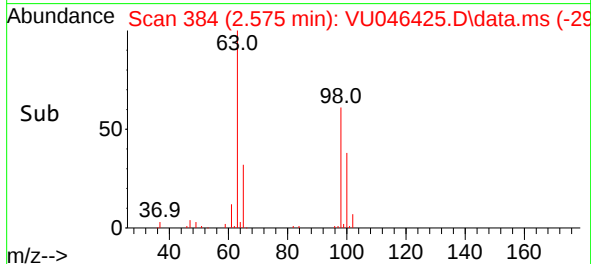
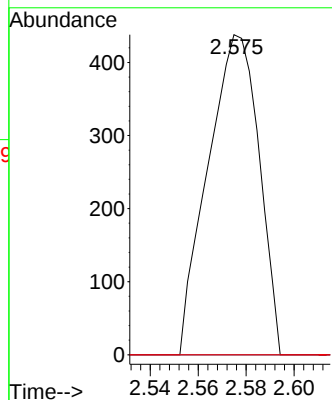


#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.636 ug/L  
 RT: 2.575 min Scan# 384  
 Delta R.T. -0.013 min  
 Lab File: VU046425.D  
 Acq: 16 Dec 2021 16:47

Instrument :  
 MSVOA\_U  
 ClientSampleId :

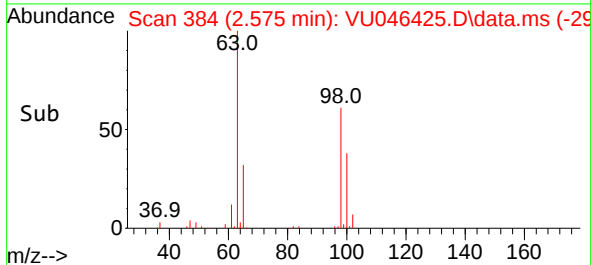
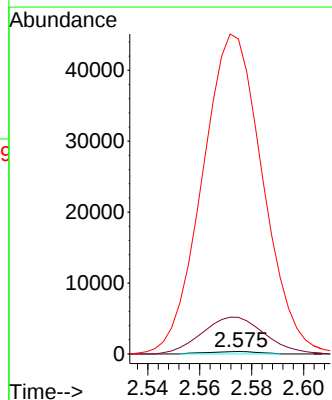
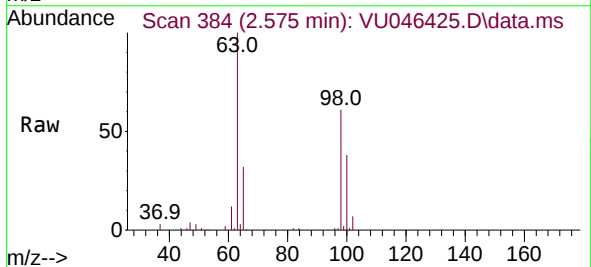


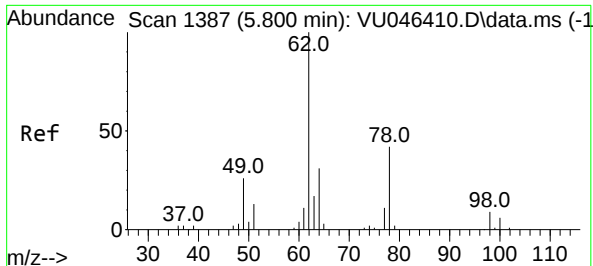
Tgt Ion:101 Resp: 648  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 35.1 52.7#  
 151 0.0 56.7 85.1#



#12  
 1,1-Dichloroethene  
 Concen: 0.485 ug/L  
 RT: 2.575 min Scan# 384  
 Delta R.T. -0.013 min  
 Lab File: VU046425.D  
 Acq: 16 Dec 2021 16:47

Tgt Ion: 96 Resp: 470  
 Ion Ratio Lower Upper  
 96 100  
 61 1519.1 118.6 220.2#  
 63 13061.2 93.0 172.8#

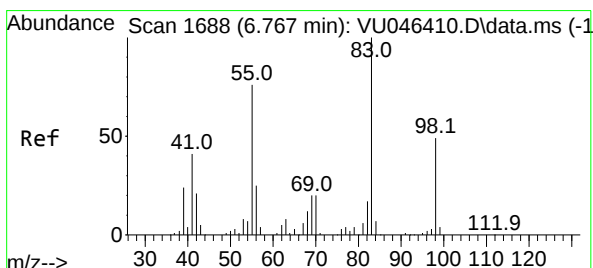
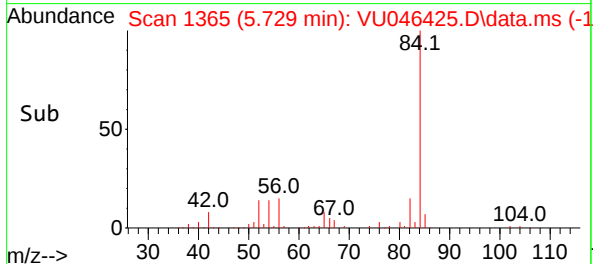
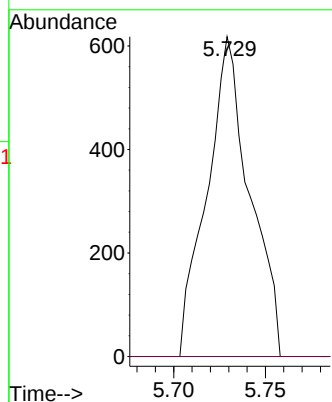
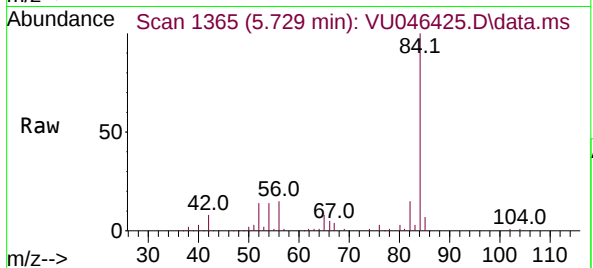




#27  
1,2-Dichloroethane  
Concen: 0.653 ug/L  
RT: 5.729 min Scan# 11  
Delta R.T. -0.071 min  
Lab File: VU046425.D  
Acq: 16 Dec 2021 16:47

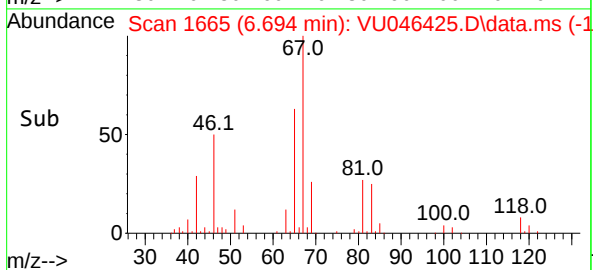
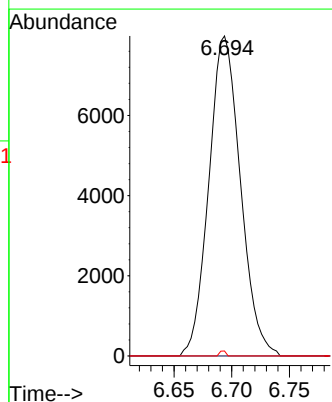
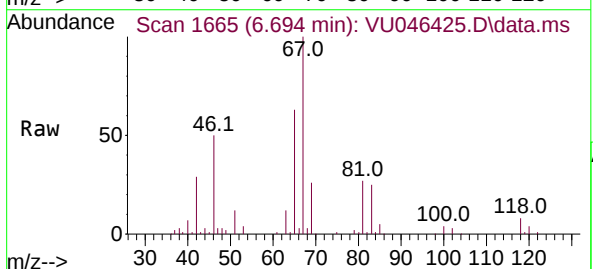
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MSVOA\_U  
ClientSampleId :

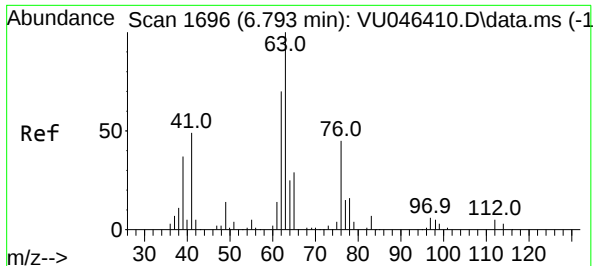
Tgt Ion: 62 Resp: 1003  
Ion Ratio Lower Upper  
62 100  
98 0.0 7.9 11.9#



#35  
Methylcyclohexane  
Concen: 8.514 ug/L  
RT: 6.694 min Scan# 1665  
Delta R.T. -0.074 min  
Lab File: VU046425.D  
Acq: 16 Dec 2021 16:47

Tgt Ion: 83 Resp: 15215  
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: 5.939 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046425.D

Acq: 16 Dec 2021 16:47

Instrument :

MSVOA\_U

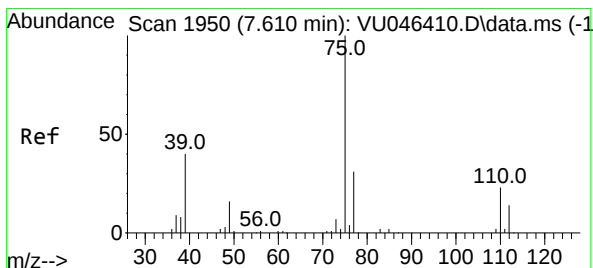
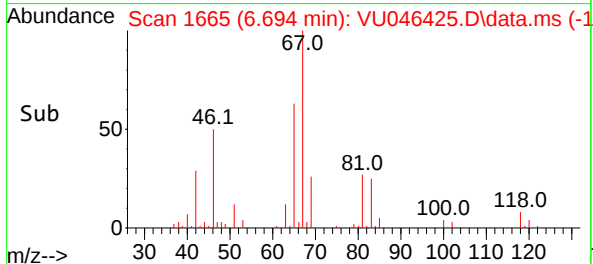
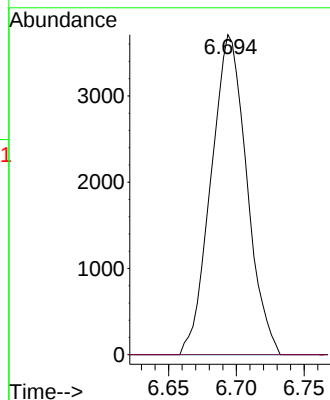
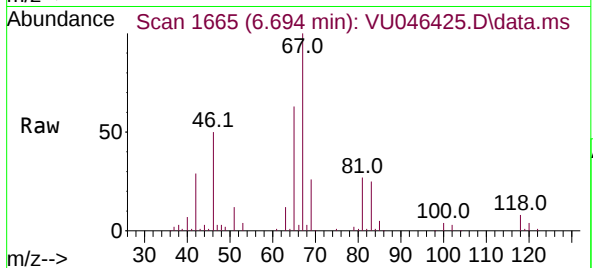
ClientSampleId :

Tgt Ion: 63 Resp: 6807

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 1.056 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046425.D

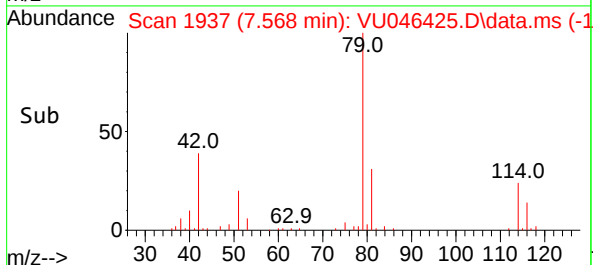
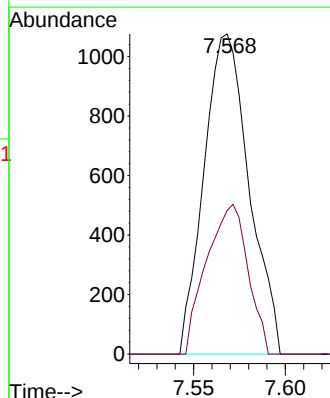
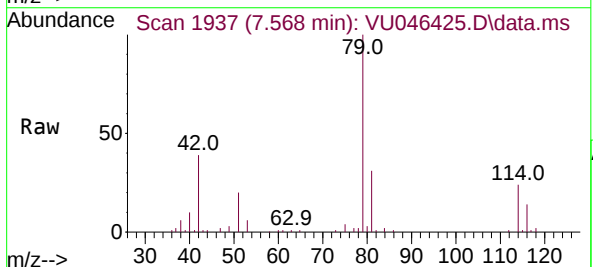
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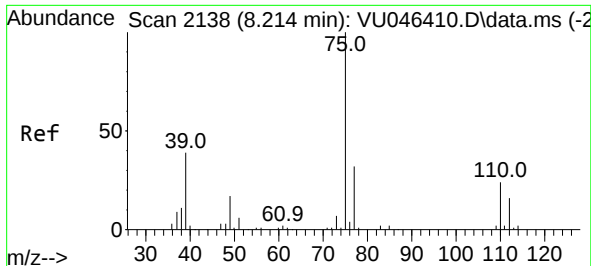
Tgt Ion: 75 Resp: 1841

Ion Ratio Lower Upper

75 100

77 44.9 21.8 40.6#

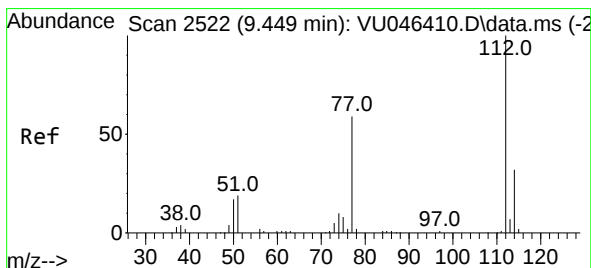
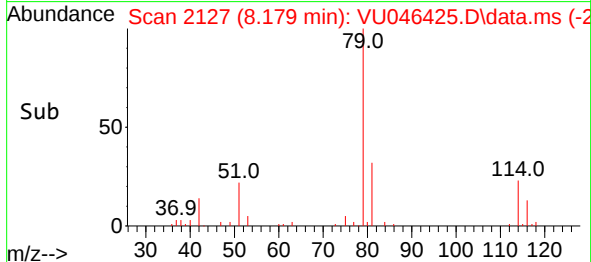
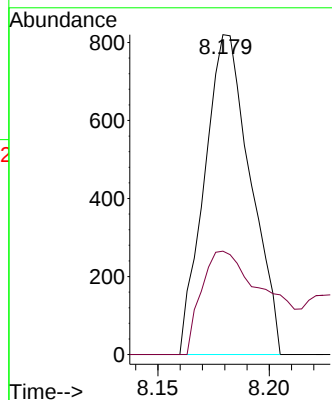
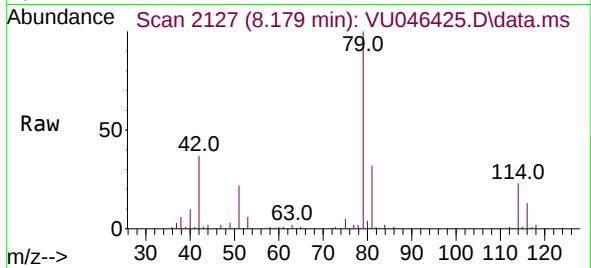




#44  
trans-1,3-Dichloropropene  
Concen: 0.687 ug/L  
RT: 8.179 min Scan# 2138  
Delta R.T. -0.035 min  
Lab File: VU046425.D  
Acq: 16 Dec 2021 16:47

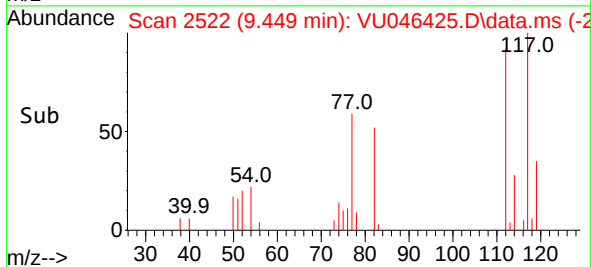
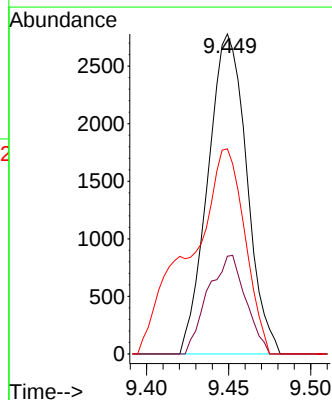
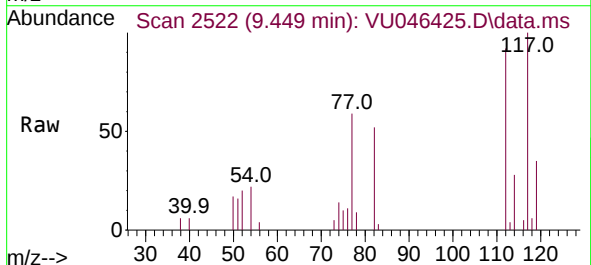
Instrument :  
MSVOA\_U  
ClientSampleId :

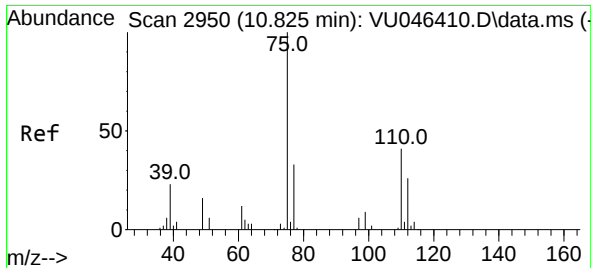
Tgt Ion: 75 Resp: 1177  
Ion Ratio Lower Upper  
75 100  
77 32.3 21.7 40.3



#51  
Chlorobenzene  
Concen: 1.504 ug/L  
RT: 9.449 min Scan# 2522  
Delta R.T. 0.000 min  
Lab File: VU046425.D  
Acq: 16 Dec 2021 16:47

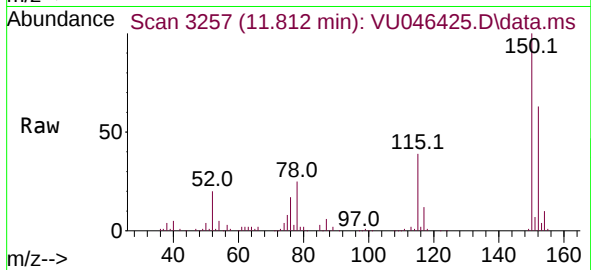
Tgt Ion: 112 Resp: 4567  
Ion Ratio Lower Upper  
112 100  
114 30.6 22.2 41.2  
77 64.1 47.4 71.0





#60  
 1,2,3-Trichloropropane  
 Concen: 5.687 ug/L  
 RT: 11.812 min Scan# 31  
 Delta R.T. 0.987 min  
 Lab File: VU046425.D  
 Acq: 16 Dec 2021 16:47

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 75 Resp: 8601  
 Ion Ratio Lower Upper  
 75 100  
 77 31.7 26.4 39.6  
 110 1.7 32.4 48.6#

