

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090622\  
 Data File : VU050650.D  
 Acq On : 06 Sep 2022 21:40  
 Operator : SY/MD  
 Sample : N4482-05MS  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW345MS

Quant Time: Sep 07 01:43:27 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM090222WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Sep 07 01:37:50 2022  
 Response via : Initial Calibration

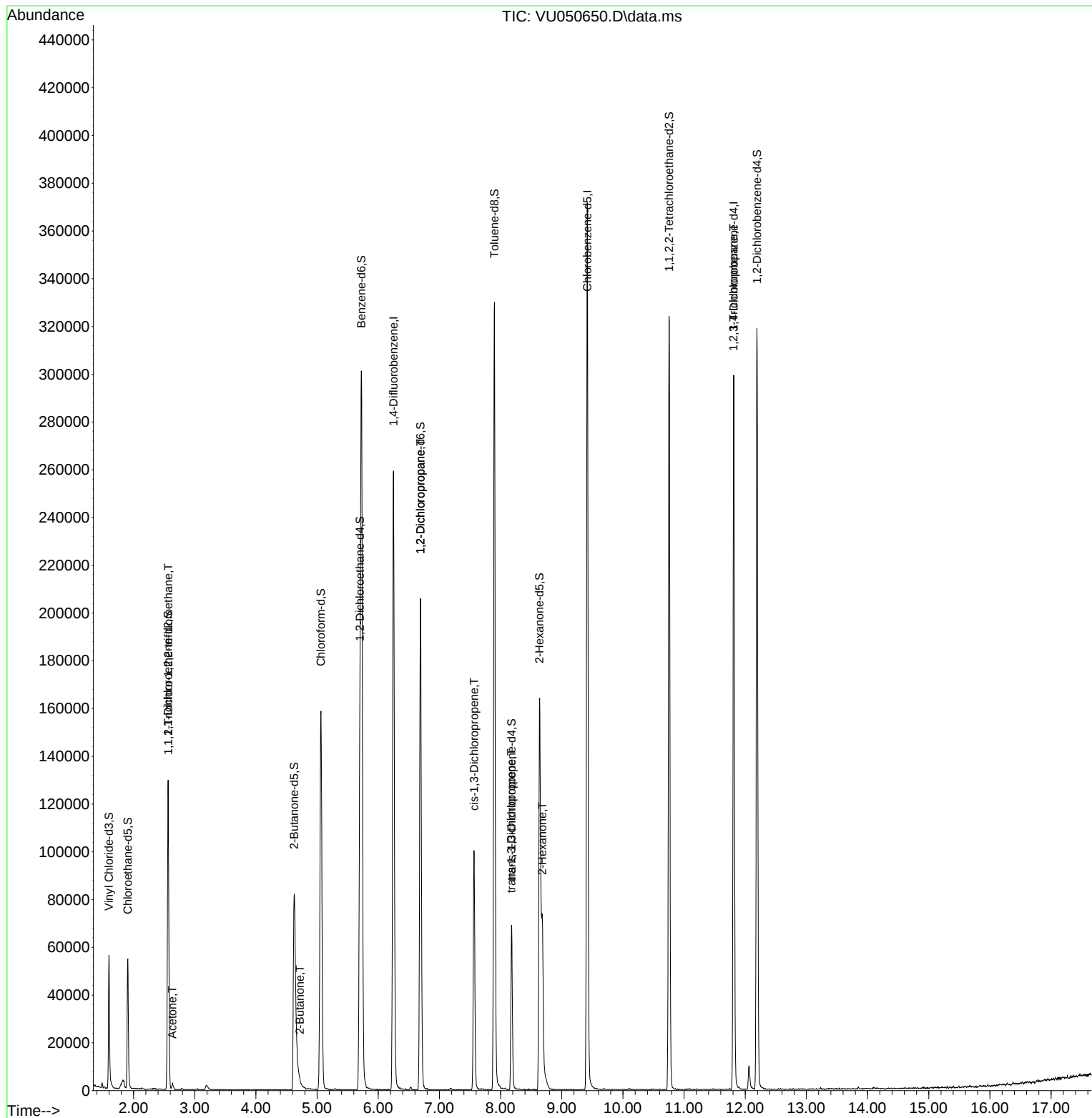
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250          | 114  | 215185     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417          | 117  | 218144     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 81621      | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597          | 65   | 44871      | 24.380   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 48.760%# |        |          |
| 7) Chloroethane-d5            | 1.906          | 69   | 41544      | 33.379   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 66.760%# |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.565          | 63   | 75201      | 23.121   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 46.240%# |        |          |
| 21) 2-Butanone-d5             | 4.626          | 46   | 123165     | 91.466   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 91.470%  |        |          |
| 24) Chloroform-d              | 5.063          | 84   | 156282     | 44.802   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 89.600%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.700          | 65   | 105480     | 49.484   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 98.960%  |        |          |
| 32) Benzene-d6                | 5.726          | 84   | 283689     | 39.352   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 78.700%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.690          | 67   | 99473      | 42.028   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 84.060%  |        |          |
| 41) Toluene-d8                | 7.899          | 98   | 226773     | 36.785   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 73.580%# |        |          |
| 43) trans-1,3-Dichloroprop... | 8.179          | 79   | 41154      | 42.024   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 84.040%  |        |          |
| 47) 2-Hexanone-d5             | 8.635          | 63   | 46634      | 78.330   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 78.330%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.754         | 84   | 161452     | 45.077   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 90.160%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192         | 152  | 87252      | 45.665   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 91.340%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.568          | 101  | 682        | 0.406    | ug/L # | 21       |
| 13) Acetone                   | 2.636          | 43   | 2905       | 2.860    | ug/L   | 87       |
| 22) 2-Butanone                | 4.719          | 43   | 1597       | 1.005    | ug/L   | 88       |
| 37) 1,2-Dichloropropane       | 6.690          | 63   | 11261      | 5.370    | ug/L # | 89       |
| 39) cis-1,3-Dichloropropene   | 7.568          | 75   | 2556       | 0.900    | ug/L # | 43       |
| 44) trans-1,3-Dichloropropene | 8.176          | 75   | 1700       | 0.638    | ug/L # | 58       |
| 48) 2-Hexanone                | 8.684          | 43   | 35116      | 13.167   | ug/L   | 91       |
| 60) 1,2,3-Trichloropropane    | 11.809         | 75   | 9510       | 3.971    | ug/L # | 68       |
| -----                         |                |      |            |          |        |          |

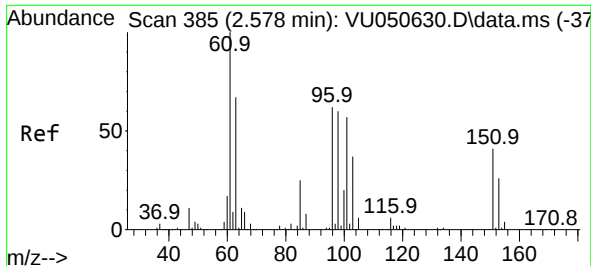
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Wed Sep 07 01:37:50 2022  
Response via : Initial Calibration

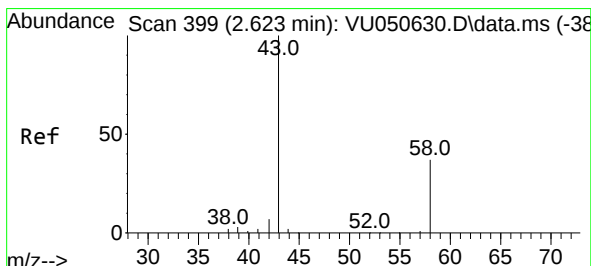
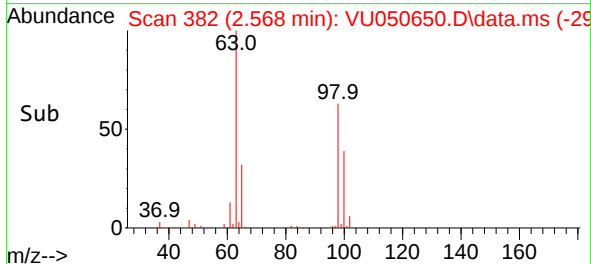
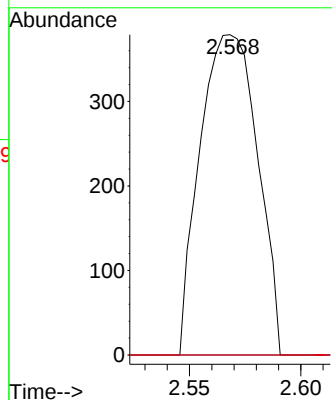
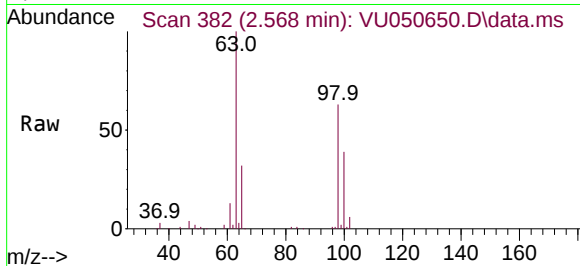




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.406 ug/L  
RT: 2.568 min Scan# 31  
Delta R.T. -0.010 min  
Lab File: VU050650.D  
Acq: 06 Sep 2022 21:40

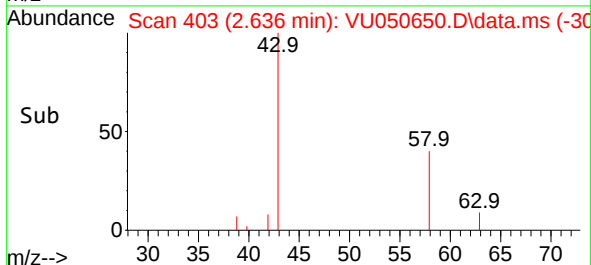
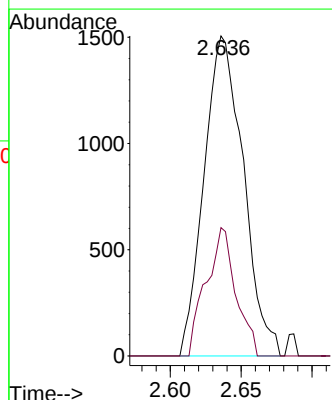
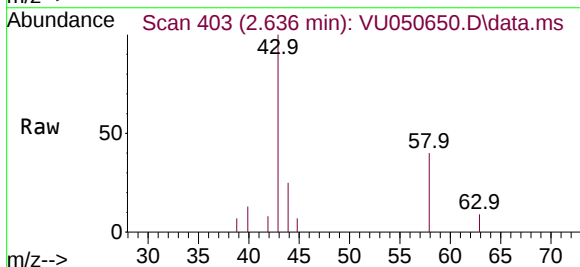
Instrument :  
MSVOA\_U  
ClientSampleId :  
EW345MS

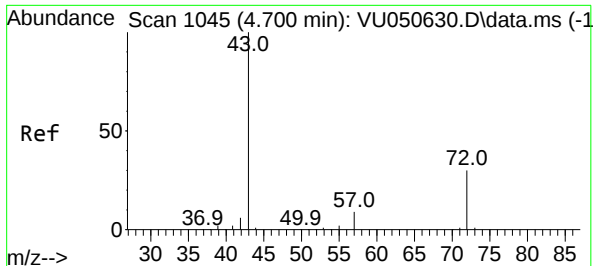
Tgt Ion:101 Resp: 682  
Ion Ratio Lower Upper  
101 100  
85 0.0 34.4 51.6#  
151 0.0 57.7 86.5#



#13  
Acetone  
Concen: 2.860 ug/L  
RT: 2.636 min Scan# 403  
Delta R.T. 0.013 min  
Lab File: VU050650.D  
Acq: 06 Sep 2022 21:40

Tgt Ion: 43 Resp: 2905  
Ion Ratio Lower Upper  
43 100  
58 30.4 0.0 76.2





#22

2-Butanone

Concen: 1.005 ug/L

RT: 4.719 min Scan# 1051

Delta R.T. 0.019 min

Lab File: VU050650.D

Acq: 06 Sep 2022 21:40

Instrument :

MSVOA\_U

ClientSampleId :

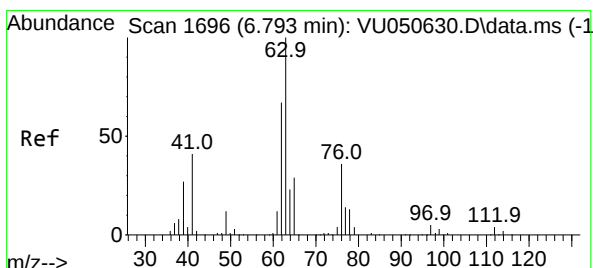
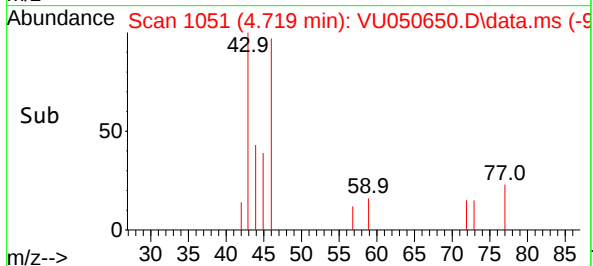
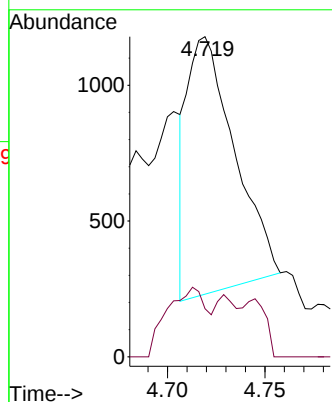
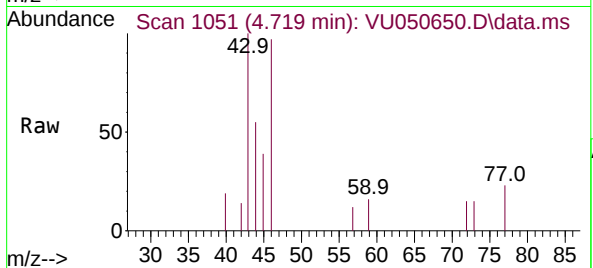
EW345MS

Tgt Ion: 43 Resp: 1597

Ion Ratio Lower Upper

43 100

72 22.7 14.6 44.0



#37

1,2-Dichloropropane

Concen: 5.370 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.103 min

Lab File: VU050650.D

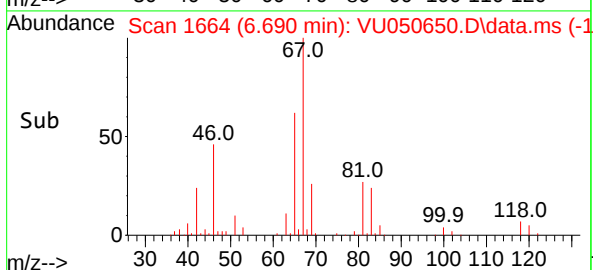
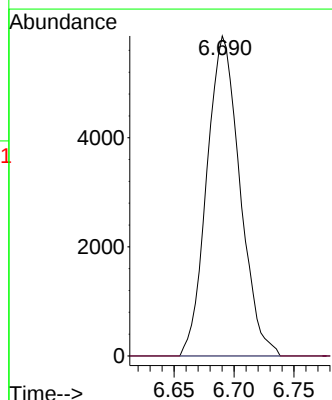
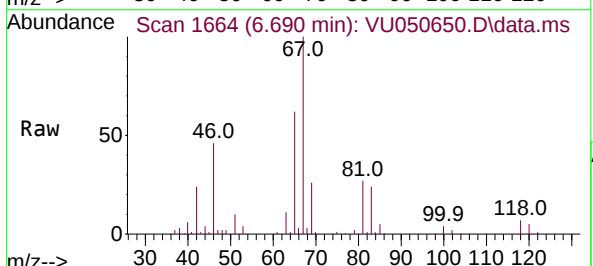
Acq: 06 Sep 2022 21:40

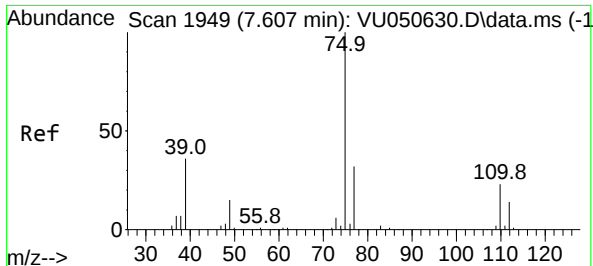
Tgt Ion: 63 Resp: 11261

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#





#39

cis-1,3-Dichloropropene

Concen: 0.900 ug/L

RT: 7.568 min Scan# 1949

Delta R.T. -0.039 min

Lab File: VU050650.D

Acq: 06 Sep 2022 21:40

Instrument :

MSVOA\_U

ClientSampleId :

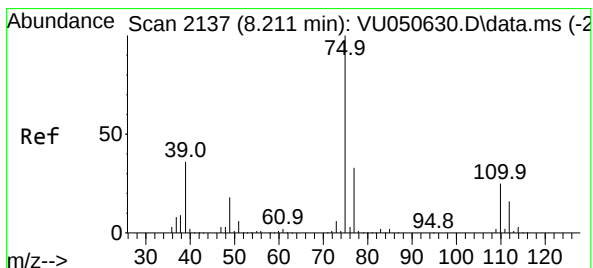
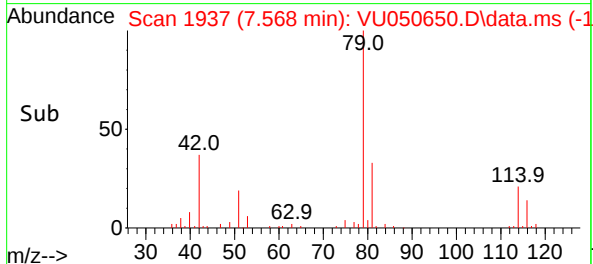
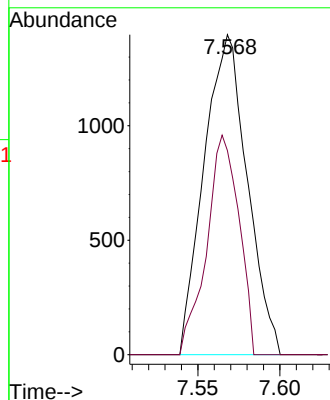
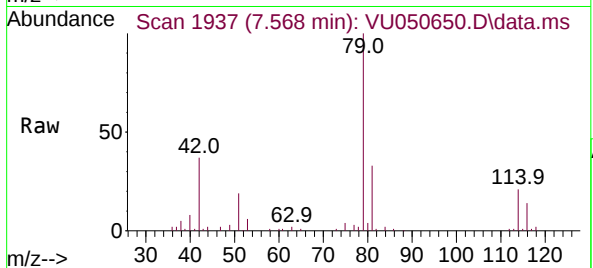
EW345MS

Tgt Ion: 75 Resp: 2556

Ion Ratio Lower Upper

75 100

77 63.8 22.5 41.7#



#44

trans-1,3-Dichloropropene

Concen: 0.638 ug/L

RT: 8.176 min Scan# 2126

Delta R.T. -0.035 min

Lab File: VU050650.D

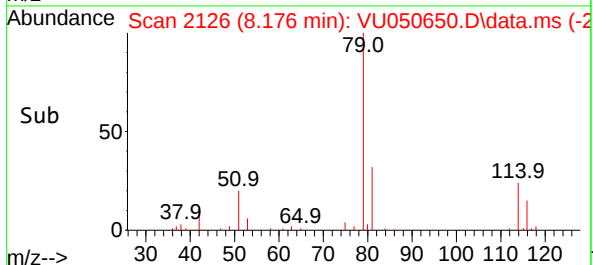
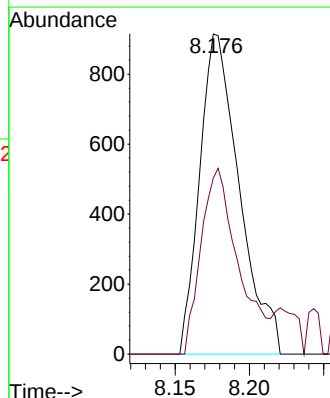
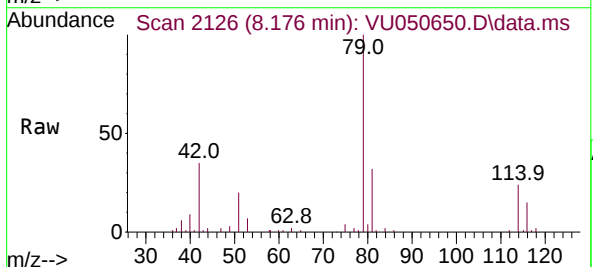
Acq: 06 Sep 2022 21:40

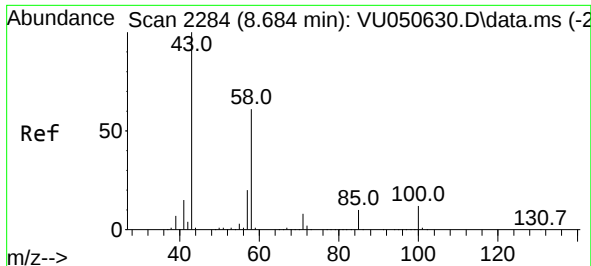
Tgt Ion: 75 Resp: 1700

Ion Ratio Lower Upper

75 100

77 55.0 22.1 41.1#

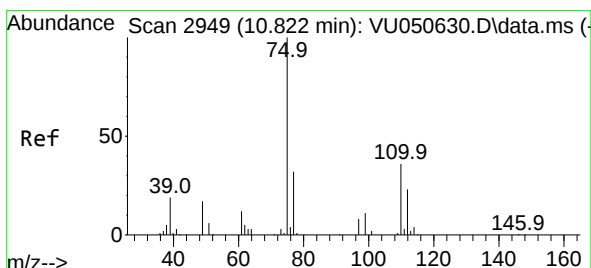
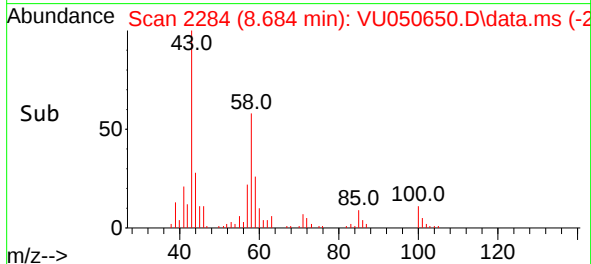
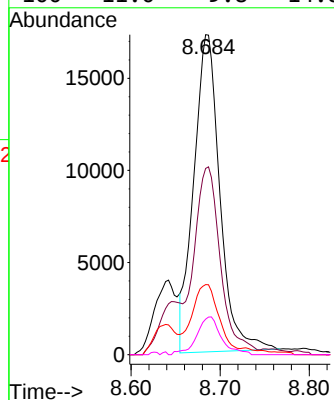
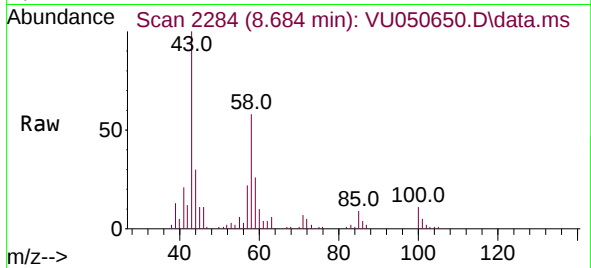




#48  
2-Hexanone  
Concen: 13.167 ug/L  
RT: 8.684 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU050650.D  
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Instrument :  
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ClientSampleId :  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 35116 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 55.2  | 51.8  | 77.6  |
| 57       | 20.0  | 17.0  | 25.4  |
| 100      | 11.0  | 9.8   | 14.8  |



#60  
1,2,3-Trichloropropane  
Concen: 3.971 ug/L  
RT: 11.809 min Scan# 3256  
Delta R.T. 0.987 min  
Lab File: VU050650.D  
Acq: 06 Sep 2022 21:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 9510  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 31.9  | 25.8  | 38.8  |
| 110      | 1.4   | 29.3  | 43.9# |

