

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090122\  
 Data File : VU050579.D  
 Acq On : 01 Sep 2022 14:35  
 Operator : SY/MD  
 Sample : N4322-19  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VHBLK001

Quant Time: Sep 02 02:08:56 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM083022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 02 02:07:32 2022  
 Response via : Initial Calibration

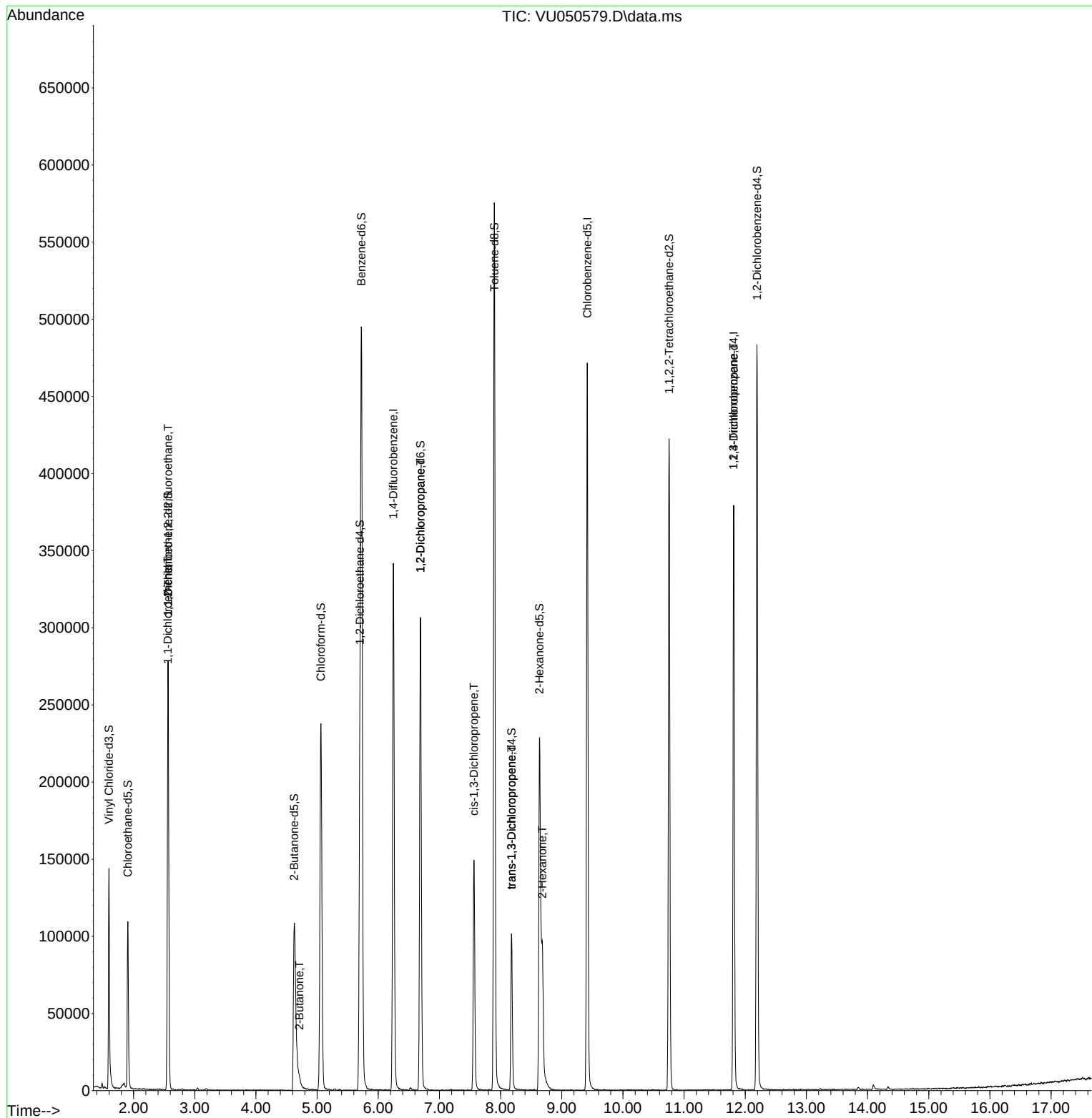
| Compound                      | R.T. QIon |       | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|-----------|-------|----------|------------|--------|----------|
| -----                         |           |       |          |            |        |          |
| Internal Standards            |           |       |          |            |        |          |
| 1) 1,4-Difluorobenzene        | 6.247     | 114   | 280787   | 50.000     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417     | 117   | 270924   | 50.000     | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812    | 152   | 104391   | 50.000     | ug/L   | 0.00     |
| System Monitoring Compounds   |           |       |          |            |        |          |
| 4) Vinyl Chloride-d3          | 1.597     | 65    | 111683   | 51.860     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60  | - 135 | Recovery | = 103.720% |        |          |
| 7) Chloroethane-d5            | 1.906     | 69    | 81127    | 48.319     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 130 | Recovery | = 96.640%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.565     | 63    | 164459   | 45.231     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60  | - 125 | Recovery | = 90.460%  |        |          |
| 21) 2-Butanone-d5             | 4.626     | 46    | 167225   | 88.788     | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40  | - 130 | Recovery | = 88.790%  |        |          |
| 24) Chloroform-d              | 5.060     | 84    | 228597   | 54.554     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 125 | Recovery | = 109.100% |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.700     | 65    | 149519   | 54.932     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 125 | Recovery | = 109.860% |        |          |
| 32) Benzene-d6                | 5.726     | 84    | 469694   | 55.936     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 125 | Recovery | = 111.880% |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.690     | 67    | 150757   | 53.920     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 120 | Recovery | = 107.840% |        |          |
| 41) Toluene-d8                | 7.899     | 98    | 396228   | 54.239     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80  | - 120 | Recovery | = 108.480% |        |          |
| 43) trans-1,3-Dichloroprop... | 8.179     | 79    | 60231    | 53.565     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60  | - 125 | Recovery | = 107.120% |        |          |
| 47) 2-Hexanone-d5             | 8.636     | 63    | 70048    | 69.195     | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45  | - 130 | Recovery | = 69.190%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755    | 84    | 214987   | 49.297     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65  | - 120 | Recovery | = 98.600%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192    | 152   | 129144   | 57.139     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80  | - 120 | Recovery | = 114.280% |        |          |
| Target Compounds              |           |       |          |            |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.565     | 101   | 1597     | 0.862      | ug/L # | 20       |
| 12) 1,1-Dichloroethene        | 2.559     | 96    | 1259     | 0.651      | ug/L # | 1        |
| 22) 2-Butanone                | 4.710     | 43    | 2173     | 0.960      | ug/L   | 88       |
| 37) 1,2-Dichloropropane       | 6.690     | 63    | 16018    | 5.944      | ug/L # | 89       |
| 39) cis-1,3-Dichloropropene   | 7.565     | 75    | 3834     | 1.080      | ug/L # | 69       |
| 44) trans-1,3-Dichloropropene | 8.179     | 75    | 2497     | 0.772      | ug/L   | 84       |
| 48) 2-Hexanone                | 8.684     | 43    | 48703    | 14.606     | ug/L # | 91       |
| 60) 1,2,3-Trichloropropane    | 11.809    | 75    | 12201    | 3.894      | ug/L # | 69       |
| -----                         |           |       |          |            |        |          |

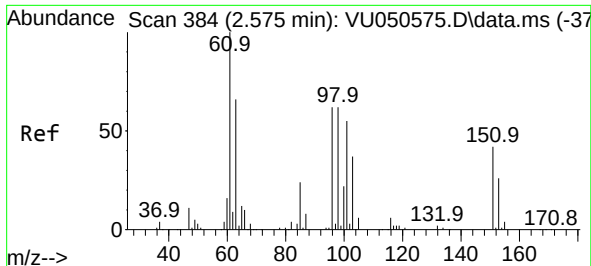
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.862 ug/L

RT: 2.565 min Scan# 31

Delta R.T. -0.010 min

Lab File: VU050579.D

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Instrument :

MSVOA\_U

ClientSampleId :

VHBLK001

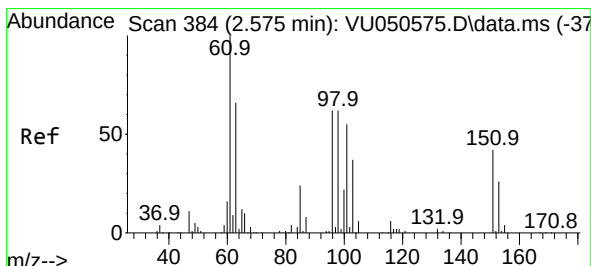
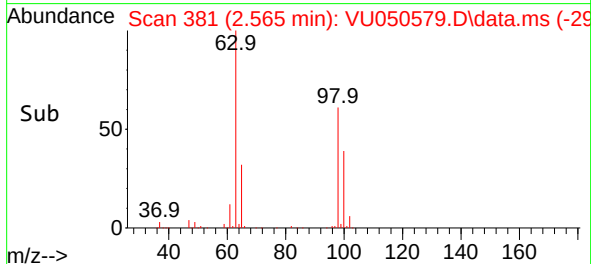
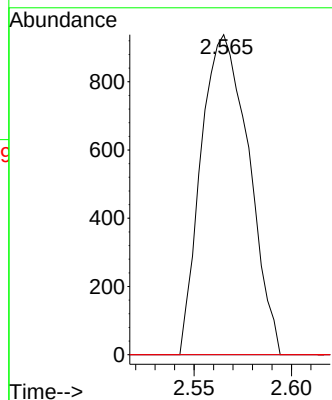
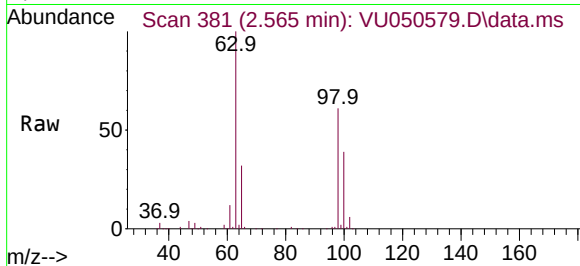
Tgt Ion:101 Resp: 1597

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

151 0.0 58.2 87.2#



#12

1,1-Dichloroethene

Concen: 0.651 ug/L

RT: 2.559 min Scan# 379

Delta R.T. -0.016 min

Lab File: VU050579.D

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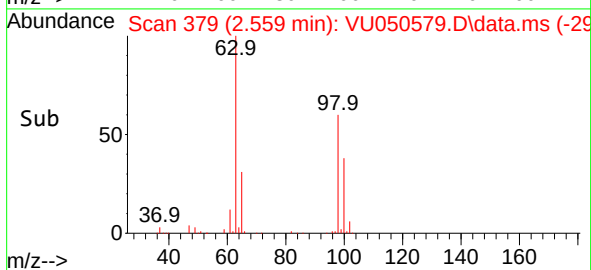
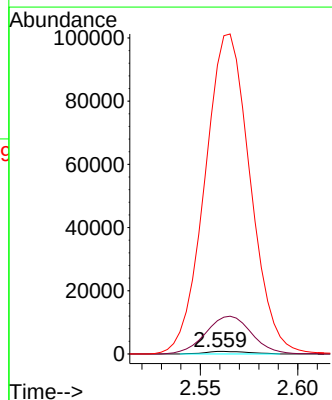
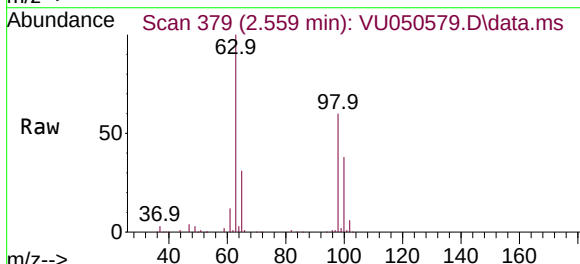
Tgt Ion: 96 Resp: 1259

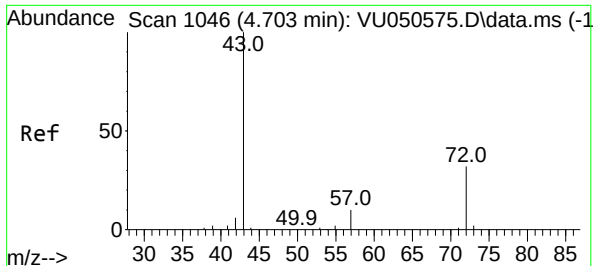
Ion Ratio Lower Upper

96 100

61 1320.2 113.5 210.9#

63 11475.0 78.0 144.9#





#22

2-Butanone

Concen: 0.960 ug/L

RT: 4.710 min Scan# 1048

Delta R.T. 0.007 min

Lab File: VU050579.D

Acq: 01 Sep 2022 14:35

Instrument :

MSVOA\_U

ClientSampleId :

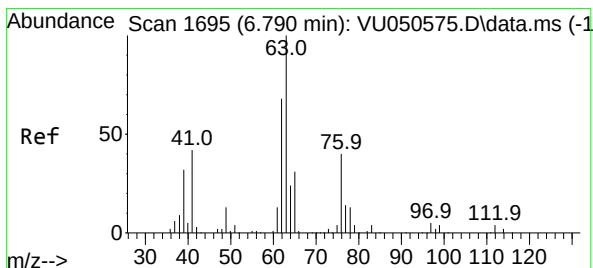
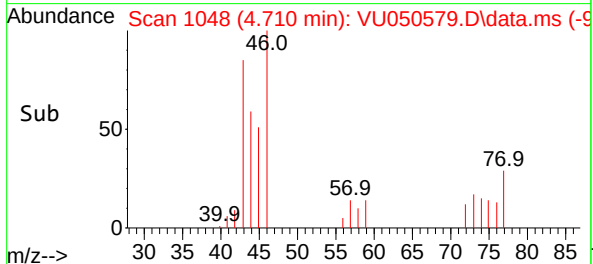
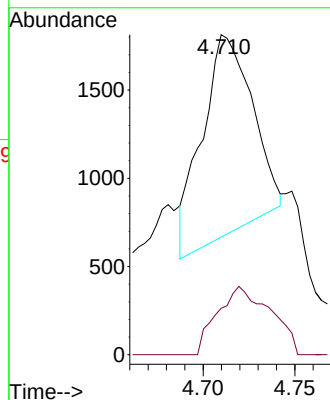
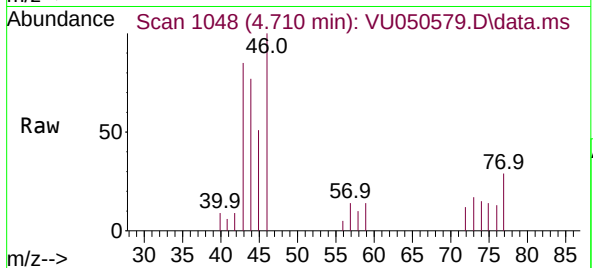
VHBLK001

Tgt Ion: 43 Resp: 2173

Ion Ratio Lower Upper

43 100

72 36.0 14.8 44.3



#37

1,2-Dichloropropane

Concen: 5.944 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.100 min

Lab File: VU050579.D

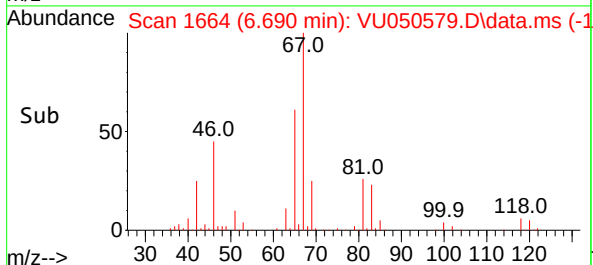
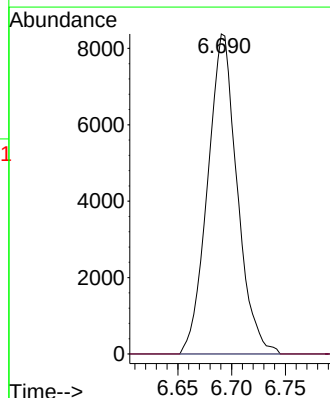
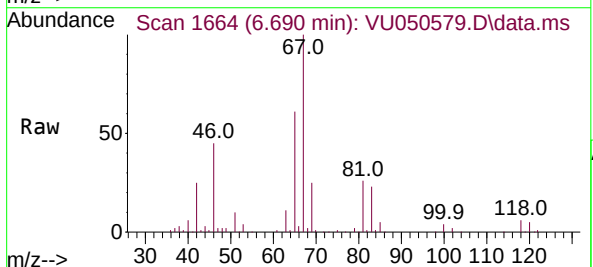
Acq: 01 Sep 2022 14:35

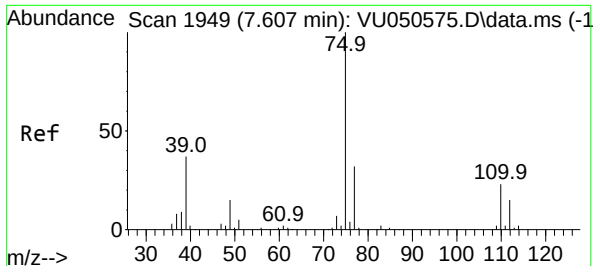
Tgt Ion: 63 Resp: 16018

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#





#39

cis-1,3-Dichloropropene

Concen: 1.080 ug/L

RT: 7.565 min Scan# 1949

Delta R.T. -0.042 min

Lab File: VU050579.D

Acq: 01 Sep 2022 14:35

Instrument :

MSVOA\_U

ClientSampleId :

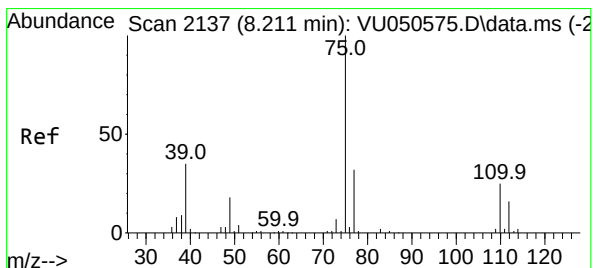
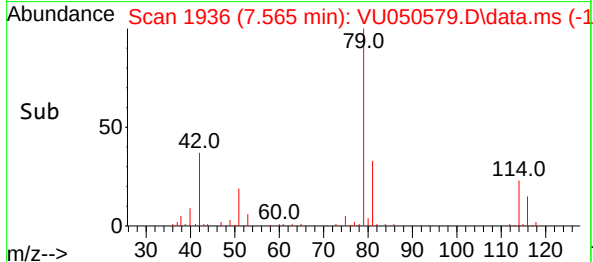
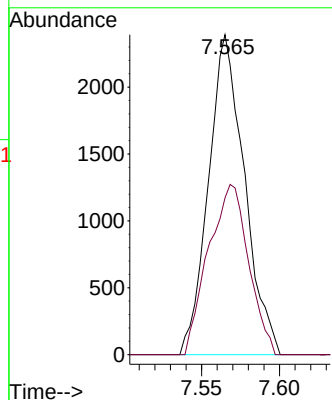
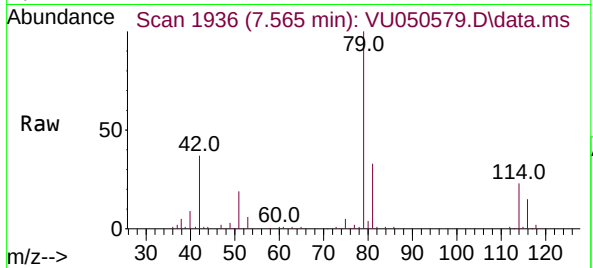
VHBLK001

Tgt Ion: 75 Resp: 3834

Ion Ratio Lower Upper

75 100

77 49.0 22.1 41.1#



#44

trans-1,3-Dichloropropene

Concen: 0.772 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.032 min

Lab File: VU050579.D

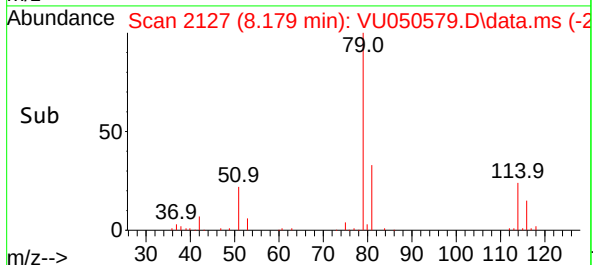
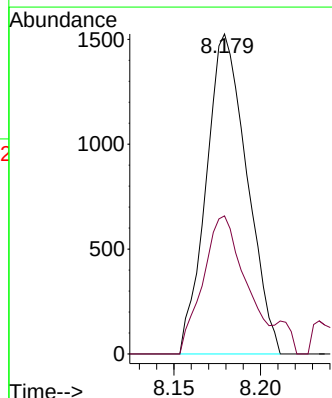
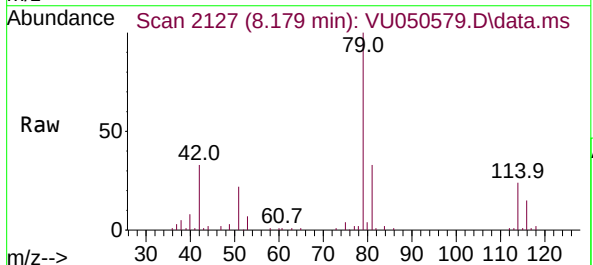
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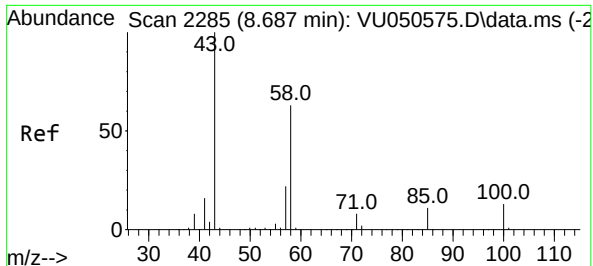
Tgt Ion: 75 Resp: 2497

Ion Ratio Lower Upper

75 100

77 40.4 22.2 41.2

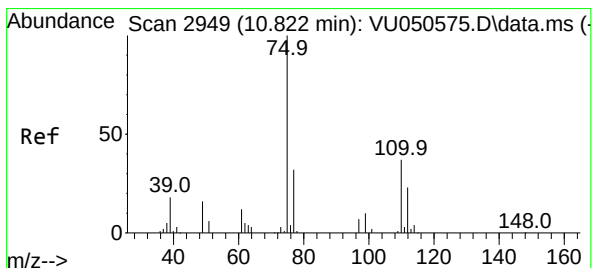
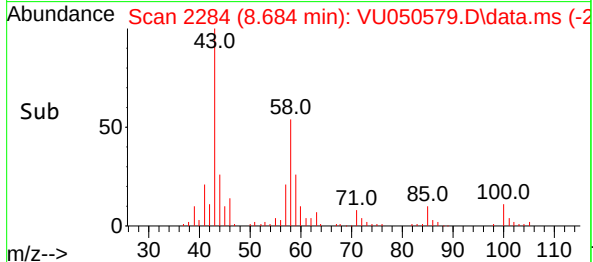
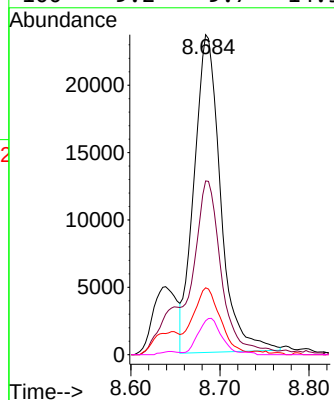
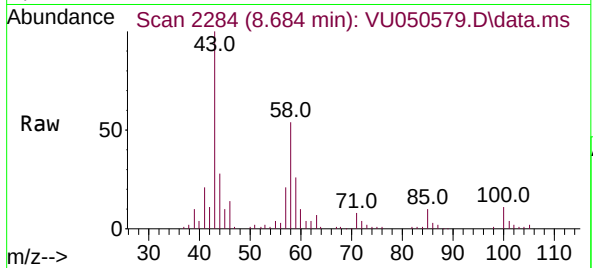




#48  
2-Hexanone  
Concen: 14.606 ug/L  
RT: 8.684 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU050579.D  
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MSVOA\_U  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 48703 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 49.5  | 46.6  | 69.8  |
| 57       | 21.7  | 15.8  | 23.6  |
| 100      | 9.2   | 9.7   | 14.5  |



#60  
1,2,3-Trichloropropane  
Concen: 3.894 ug/L  
RT: 11.809 min Scan# 3256  
Delta R.T. 0.987 min  
Lab File: VU050579.D  
Acq: 01 Sep 2022 14:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 12201 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 31.9  | 26.2  | 39.4  |
| 110      | 2.6   | 29.0  | 43.6  |

