

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU062022\  
 Data File : VU049317.D  
 Acq On : 20 Jun 2022 19:44  
 Operator : SY/MD  
 Sample : N3395-23  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VHBLK001

Quant Time: Jun 21 01:14:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM061022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jun 21 01:08:31 2022  
 Response via : Initial Calibration

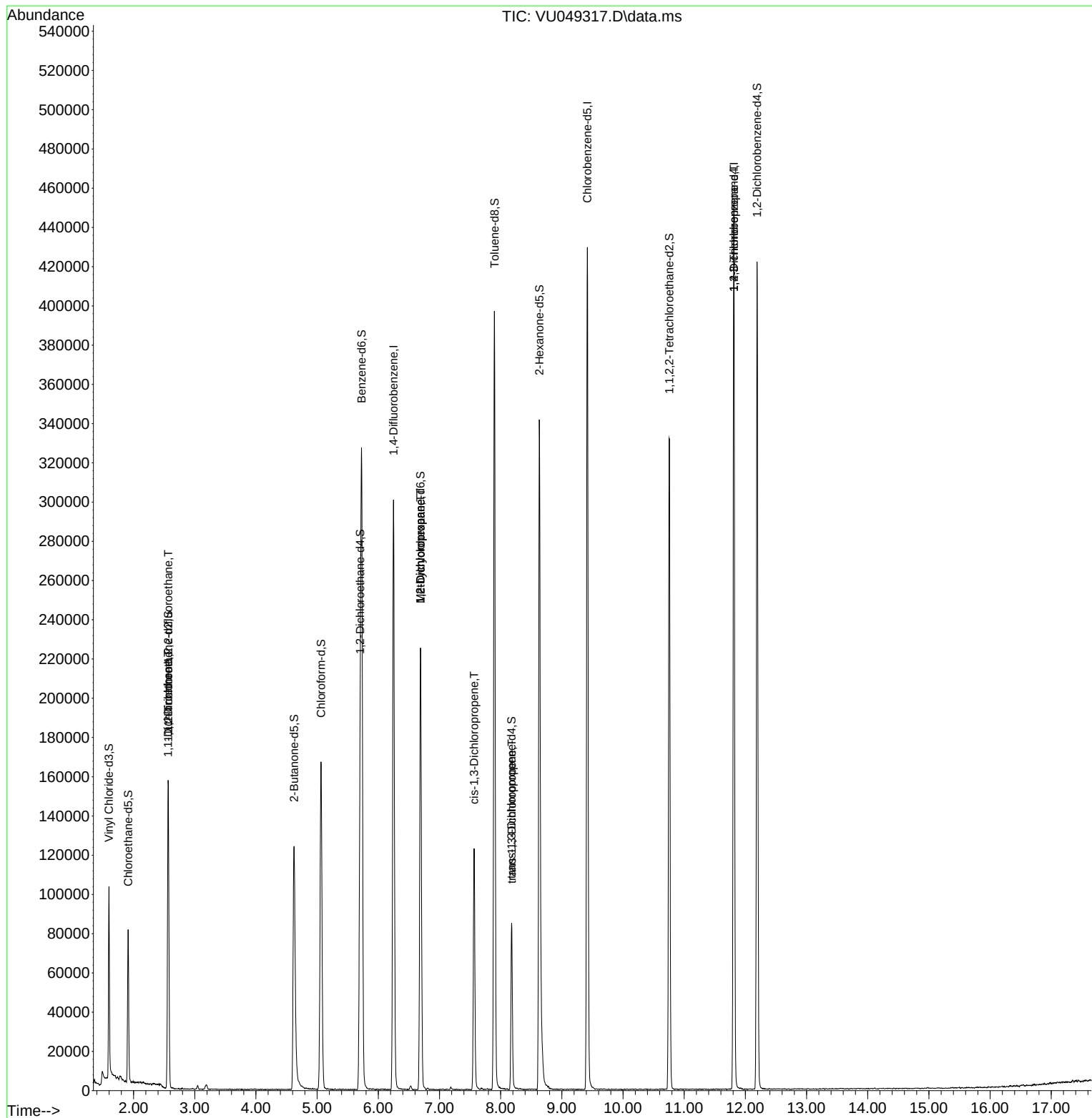
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 238161   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 232372   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 115708   | 50.000   | ug/L   | 0.00     |
|                               |         |       |          |          |        |          |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65    | 64662    | 44.072   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 88.140%  |
| 7) Chloroethane-d5            | 1.912   | 69    | 54478    | 50.571   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 101.140% |
| 11) 1,1-Dichloroethene-d2     | 2.565   | 63    | 95312    | 34.427   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 68.860%  |
| 21) 2-Butanone-d5             | 4.623   | 46    | 187074   | 116.296  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 116.300% |
| 24) Chloroform-d              | 5.063   | 84    | 155191   | 49.584   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 99.160%  |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 104584   | 51.577   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 103.160% |
| 32) Benzene-d6                | 5.726   | 84    | 290429   | 50.404   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 100.800% |
| 36) 1,2-Dichloropropane-d6    | 6.690   | 67    | 109093   | 56.319   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 112.640% |
| 41) Toluene-d8                | 7.899   | 98    | 259112   | 50.990   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 101.980% |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 46900    | 51.465   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 102.940% |
| 47) 2-Hexanone-d5             | 8.632   | 63    | 113929   | 112.378  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 112.380% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.754  | 84    | 167659   | 51.822   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 103.640% |
| 66) 1,2-Dichlorobenzene-d4    | 12.192  | 152   | 103723   | 51.520   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 103.040% |
|                               |         |       |          |          |        |          |
| Target Compounds              |         |       |          |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.568   | 101   | 891      | 0.531    | ug/L # | 19       |
| 12) 1,1-Dichloroethene        | 2.562   | 96    | 753      | 0.513    | ug/L # | 1        |
| 35) Methylcyclohexane         | 6.690   | 83    | 24465    | 9.236    | ug/L # | 19       |
| 37) 1,2-Dichloropropane       | 6.690   | 63    | 11349    | 5.346    | ug/L # | 88       |
| 39) cis-1,3-Dichloropropene   | 7.565   | 75    | 2776     | 0.889    | ug/L # | 70       |
| 44) trans-1,3-Dichloropropene | 8.182   | 75    | 2325     | 0.752    | ug/L   | 100      |
| 60) 1,2,3-Trichloropropane    | 11.812  | 75    | 15225    | 5.187    | ug/L # | 65       |
| -----                         |         |       |          |          |        |          |

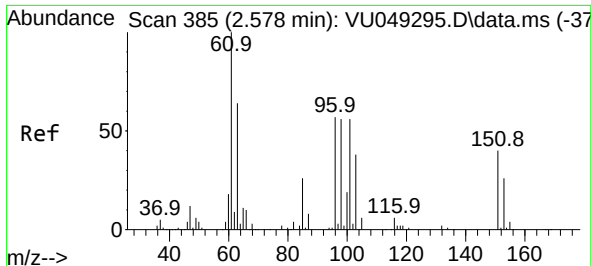
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Tue Jun 21 01:08:31 2022  
Response via : Initial Calibration

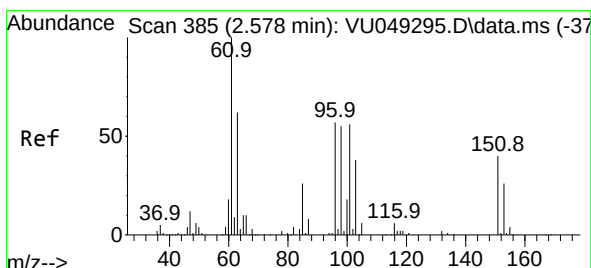
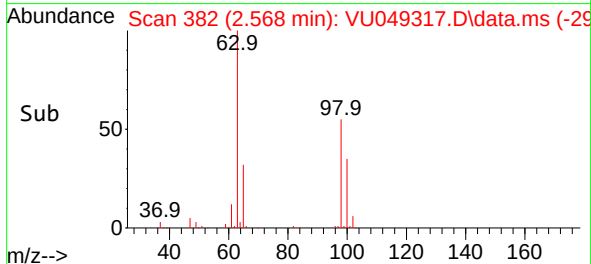
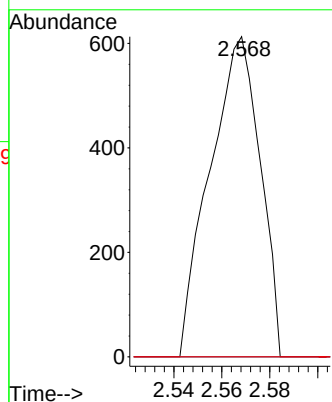
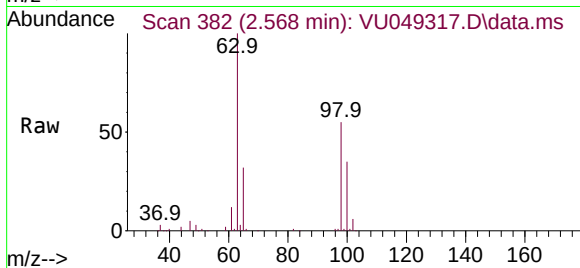




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.531 ug/L  
 RT: 2.568 min Scan# 382  
 Delta R.T. -0.010 min  
 Lab File: VU049317.D  
 Acq: 20 Jun 2022 19:44

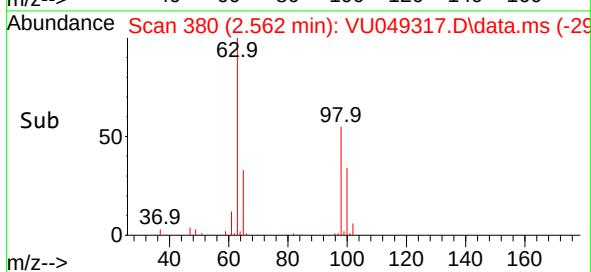
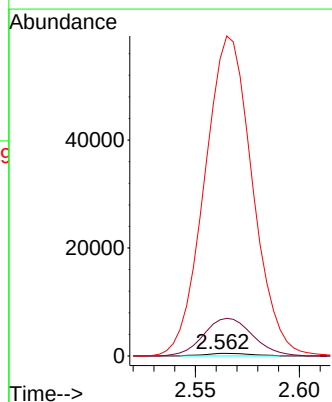
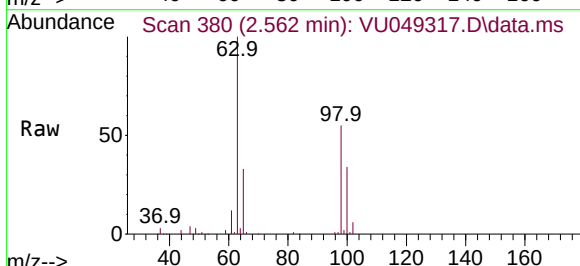
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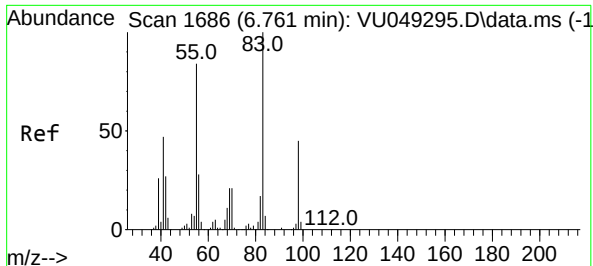
Tgt Ion:101 Resp: 891  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 35.2 52.8#  
 151 0.0 61.4 92.2#



#12  
 1,1-Dichloroethene  
 Concen: 0.513 ug/L  
 RT: 2.562 min Scan# 380  
 Delta R.T. -0.016 min  
 Lab File: VU049317.D  
 Acq: 20 Jun 2022 19:44

Tgt Ion: 96 Resp: 753  
 Ion Ratio Lower Upper  
 96 100  
 61 1421.0 123.5 229.3#  
 63 11679.0 86.0 159.8#

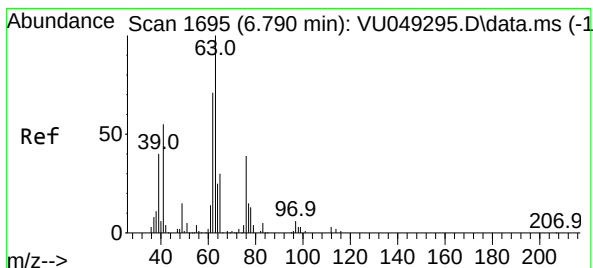
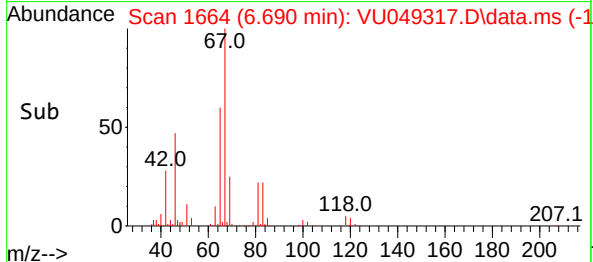
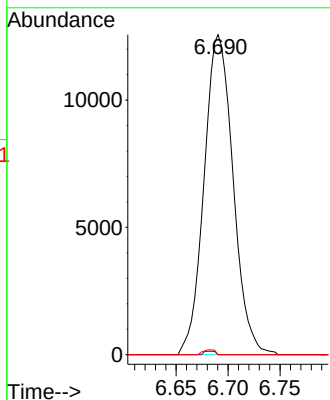
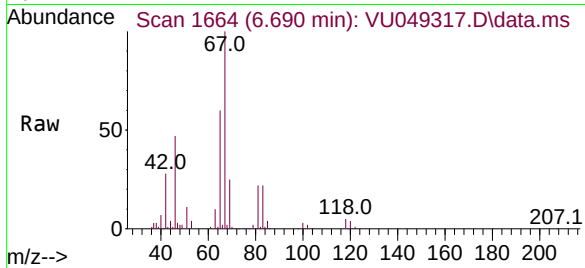




#35  
Methylcyclohexane  
Concen: 9.236 ug/L  
RT: 6.690 min Scan# 1664  
Delta R.T. -0.071 min  
Lab File: VU049317.D  
Acq: 20 Jun 2022 19:44

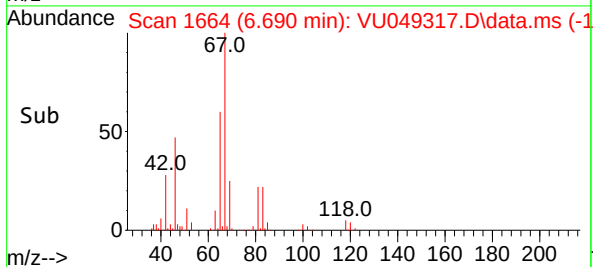
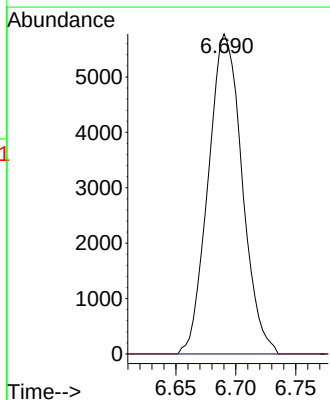
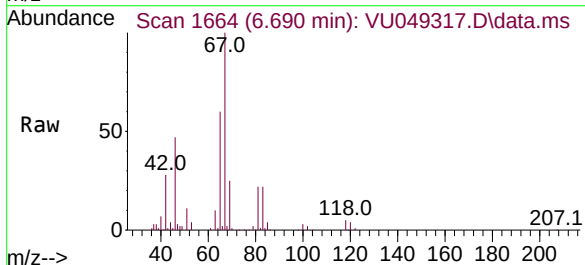
Instrument :  
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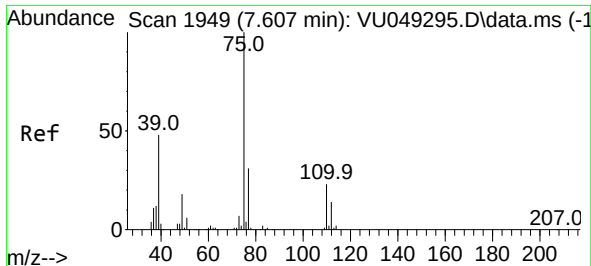
Tgt Ion: 83 Resp: 24465  
Ion Ratio Lower Upper  
83 100  
55 0.0 61.0 91.6#  
98 0.6 36.8 55.2#



#37  
1,2-Dichloropropane  
Concen: 5.346 ug/L  
RT: 6.690 min Scan# 1664  
Delta R.T. -0.100 min  
Lab File: VU049317.D  
Acq: 20 Jun 2022 19:44

Tgt Ion: 63 Resp: 11349  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.889 ug/L

RT: 7.565 min Scan# 1949

Delta R.T. -0.042 min

Lab File: VU049317.D

Acq: 20 Jun 2022 19:44

Instrument :

MSVOA\_U

ClientSampleId :

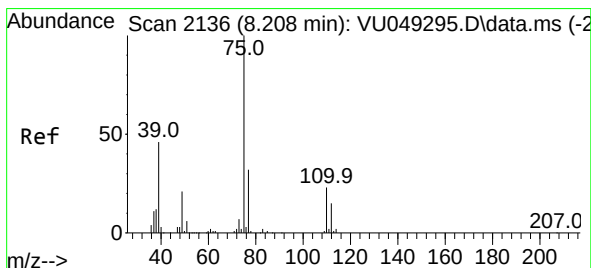
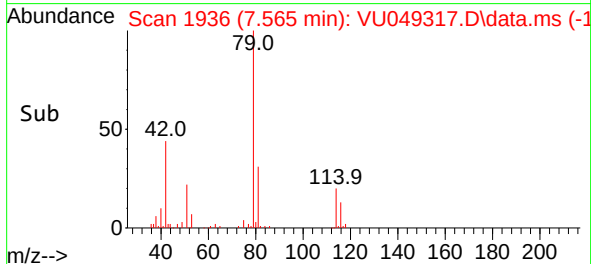
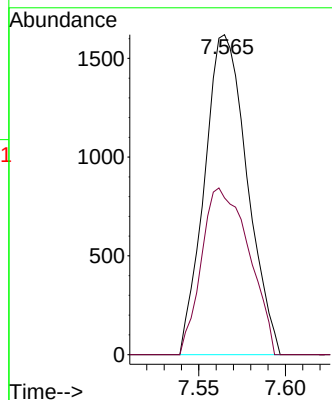
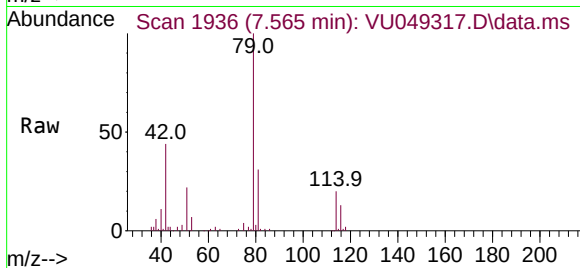
VHBLK001

Tgt Ion: 75 Resp: 2776

Ion Ratio Lower Upper

75 100

77 49.0 22.6 42.0#



#44

trans-1,3-Dichloropropene

Concen: 0.752 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.026 min

Lab File: VU049317.D

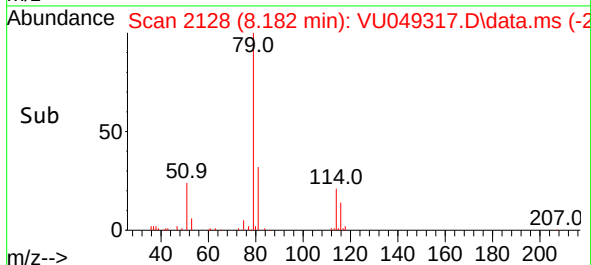
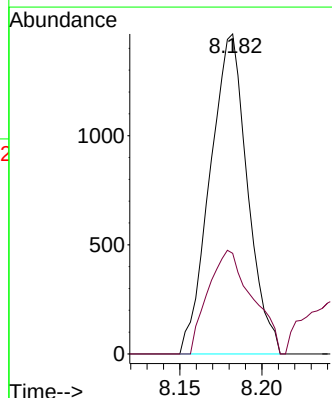
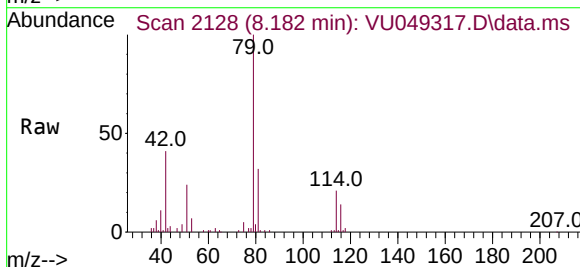
Acq: 20 Jun 2022 19:44

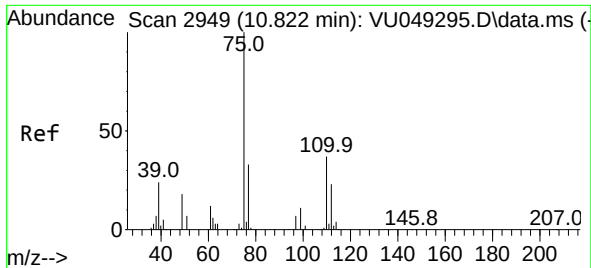
Tgt Ion: 75 Resp: 2325

Ion Ratio Lower Upper

75 100

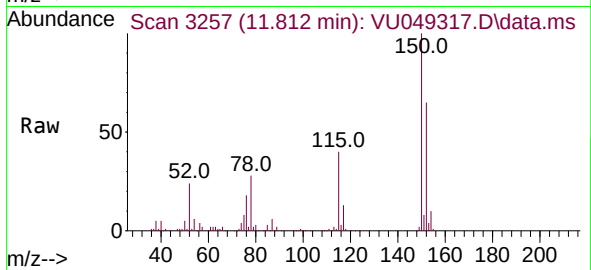
77 31.4 21.9 40.7





#60  
 1,2,3-Trichloropropane  
 Concen: 5.187 ug/L  
 RT: 11.812 min Scan# 31  
 Delta R.T. 0.990 min  
 Lab File: VU049317.D  
 Acq: 20 Jun 2022 19:44

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 15225 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 29.2  | 26.6  | 40.0  |
| 110      | 1.9   | 30.2  | 45.4# |

