

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060420\  
 Data File : VU038558.D  
 Acq On : 04 Jun 2020 18:47  
 Operator : SY/MD  
 Sample : L2860-01  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9D10

Quant Time: Jun 05 01:15:16 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jun 05 01:11:12 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 286334   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 286953   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.82 | 152  | 135186   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 69453    | 3.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 75.00%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 62137    | 4.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 87.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 114355   | 3.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 62.80%  |
| 20) 2-Butanone-d5              | 4.67   | 46    | 301719   | 53.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 107.18% |
| 24) Chloroform-d               | 5.10   | 84    | 167615   | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 99453    | 5.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 100.60% |
| 32) Benzene-d6                 | 5.76   | 84    | 330441   | 4.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 102315   | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 92.80%  |
| 41) Toluene-d8                 | 7.92   | 98    | 273977   | 4.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 85.20%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 39590    | 4.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 83.60%  |
| 46) 2-Hexanone-d5              | 8.65   | 63    | 258001   | 55.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 110.30% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 93344    | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 99.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 120038   | 5.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 103.00% |

## Target Compounds

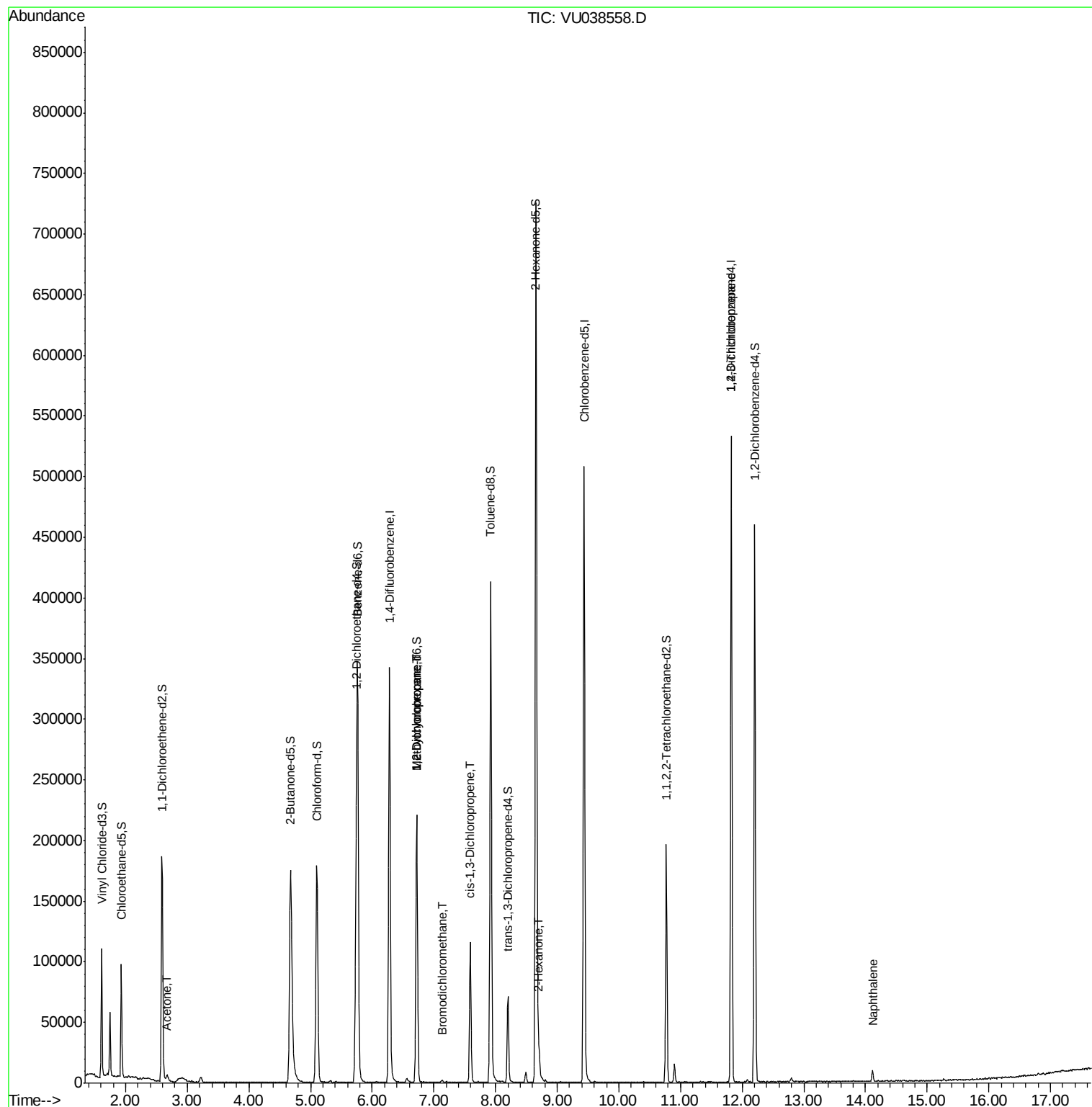
|                             |       |     |       |              | Ovalue |
|-----------------------------|-------|-----|-------|--------------|--------|
| 13) Acetone                 | 2.67  | 43  | 9221  | 2.503 ug/L   | 82     |
| 35) Methylcyclohexane       | 6.72  | 83  | 24912 | 0.775 ug/L # | 17     |
| 37) 1,2-Dichloropropane     | 6.72  | 63  | 11649 | 0.579 ug/L # | 86     |
| 38) Bromodichloromethane    | 7.13  | 83  | 1751  | 0.070 ug/L # | 66     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75  | 2828  | 0.095 ug/L # | 56     |
| 48) 2-Hexanone              | 8.71  | 43  | 10361 | 0.950 ug/L   | 97     |
| 59) 1,2,3-Trichloropropane  | 11.82 | 75  | 16169 | 1.076 ug/L # | 83     |
| 69) Naphthalene             | 14.11 | 128 | 7632  | 0.140 ug/L # | 94     |

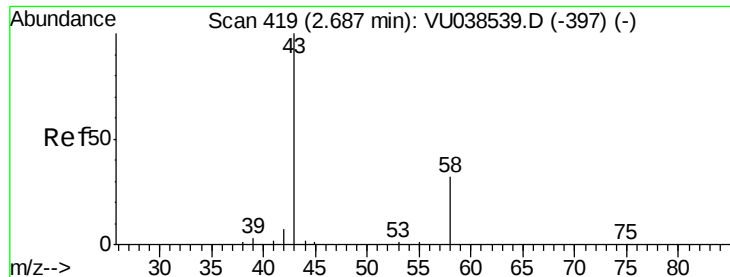
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : L2860-01  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 10 Sample Multiplier: 1

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MSVOA\_U  
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Quant Time: Jun 05 01:15:16 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Jun 05 01:11:12 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 2.503 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.02 min

Lab File: VU038558.D

Acq: 04 Jun 2020 18:47

Instrument :

MSVOA\_U

ClientSampleId :

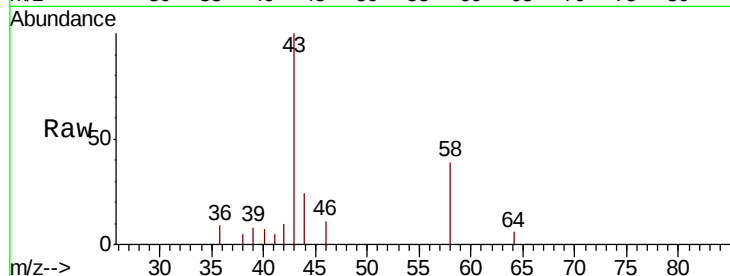
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Tot Ion: 43 Resp: 9221

Ion Ratio Lower Upper

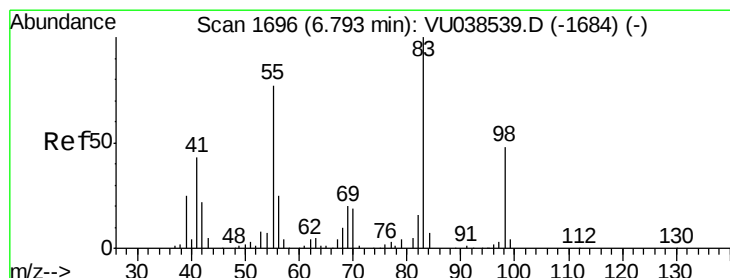
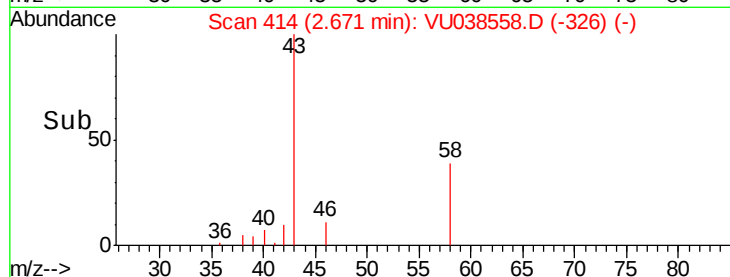
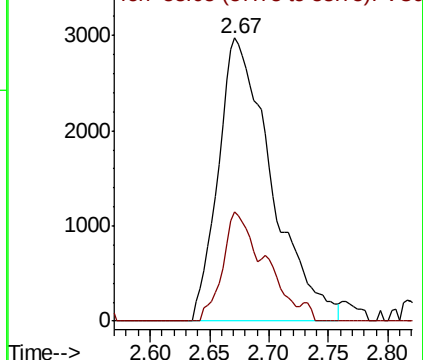
43 100

58 22.6 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038539.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU038539.D (-397) (-)



#35

Methylcyclohexane

Concen: 0.775 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.07 min

Lab File: VU038558.D

Acq: 04 Jun 2020 18:47

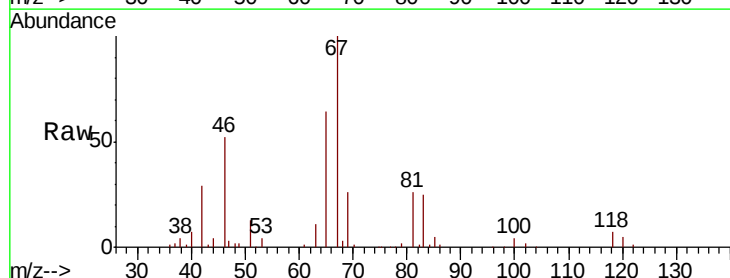
Tgt Ion: 83 Resp: 24912

Ion Ratio Lower Upper

83 100

55 0.0 63.4 95.2#

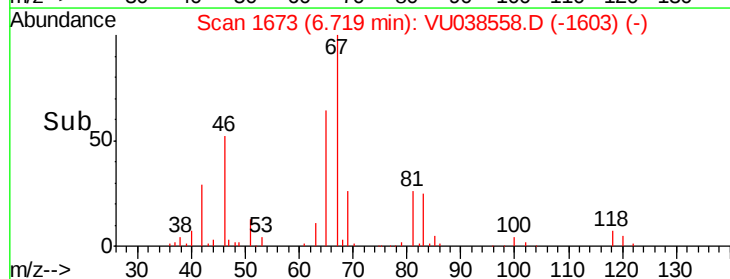
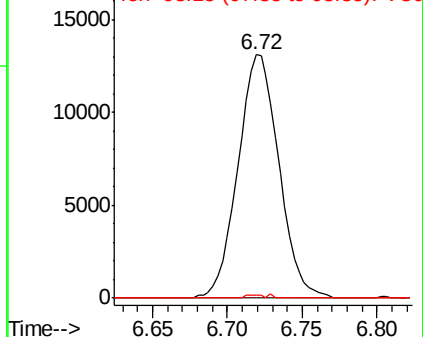
98 0.5 39.0 58.4#

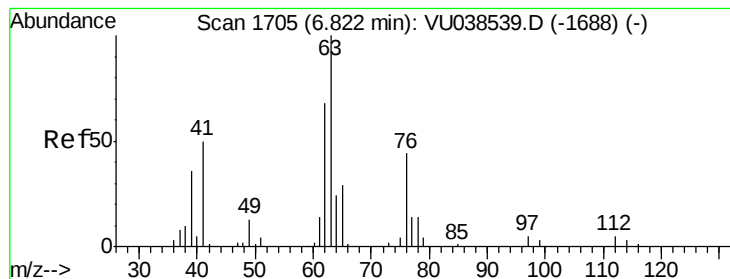


Abundance Ion 83.15 (82.85 to 83.85): VU038539.D (-1684) (-)

Ion 55.10 (54.80 to 55.80): VU038539.D (-1684) (-)

Ion 98.15 (97.85 to 98.85): VU038539.D (-1684) (-)





#37

1,2-Dichloropropane

Concen: 0.579 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU038558.D

Acq: 04 Jun 2020 18:47

Instrument :

MSVOA\_U

ClientSampled :

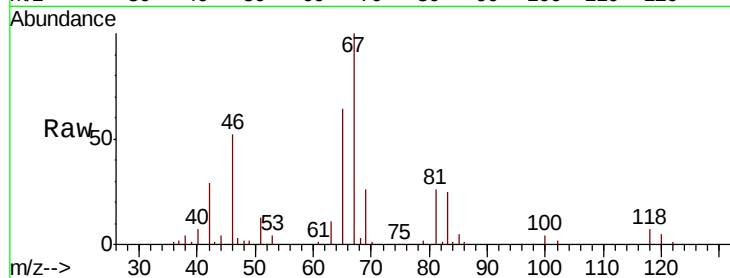
F9D10

Tot Ion: 63 Resp: 11649

Ion Ratio Lower Upper

63 100

112 0.0 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU038539.D (-1688) (-)

Ion 112.10 (111.80 to 112.80): VU038539.D (-1688) (-)

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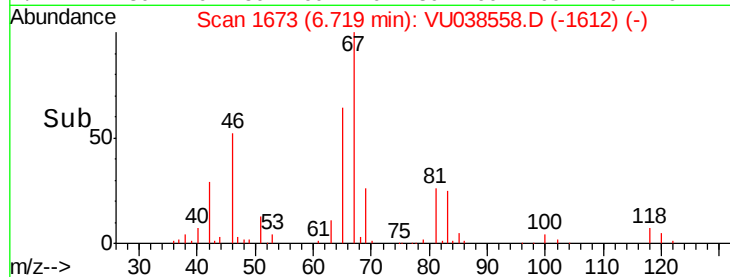
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Abundance Ion 63.10 (62.80 to 63.80): VU038539.D (-1688) (-)

Ion 112.10 (111.80 to 112.80): VU038539.D (-1688) (-)

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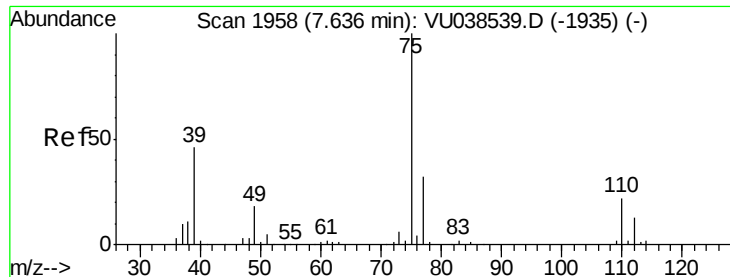
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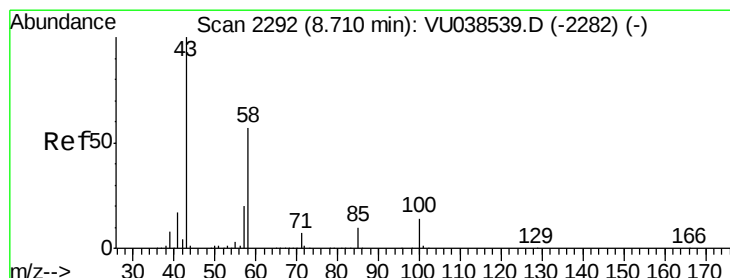
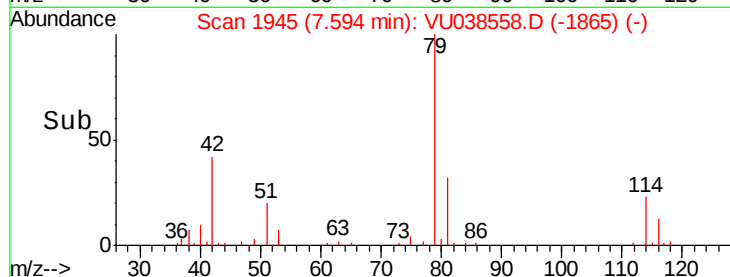
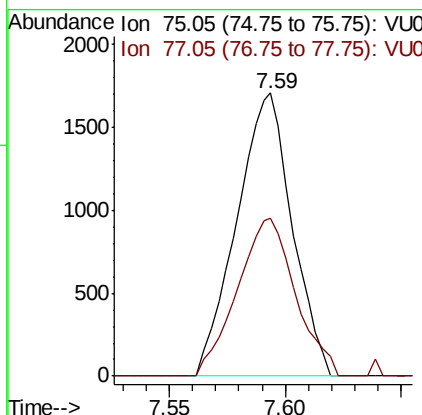
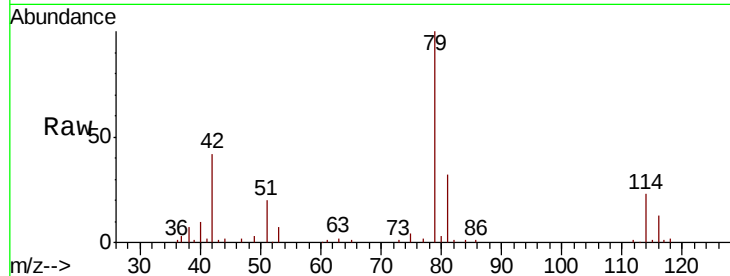


#39

cis-1,3-Dichloropropene  
 Concen: 0.095 ug/L  
 RT: 7.59 min Scan# 1945  
 Delta R.T. -0.04 min  
 Lab File: VU038558.D  
 Acq: 04 Jun 2020 18:47

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9D10

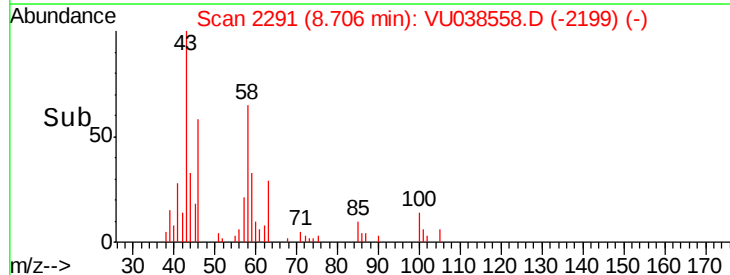
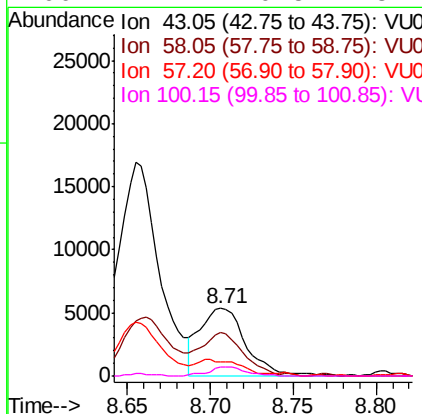
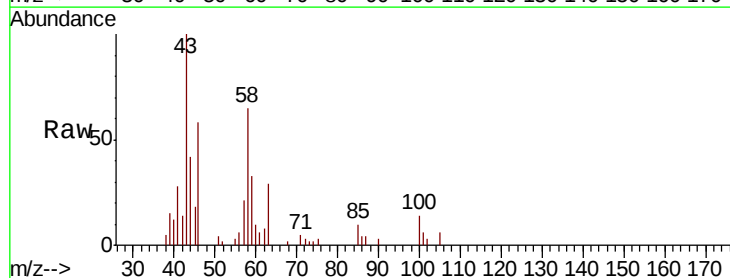
Tot Ion: 75 Resp: 2828  
 Ion Ratio Lower Upper  
 75 100  
 77 55.7 21.9 40.7#

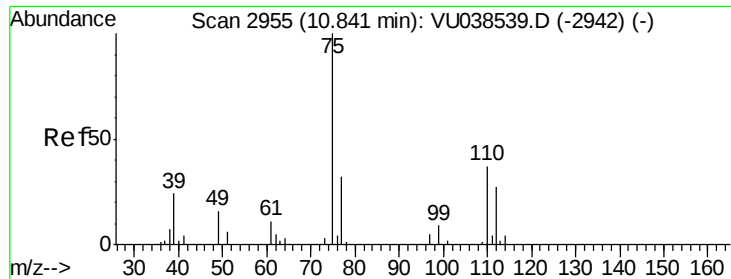


#48

2-Hexanone  
 Concen: 0.950 ug/L  
 RT: 8.71 min Scan# 2291  
 Delta R.T. -0.00 min  
 Lab File: VU038558.D  
 Acq: 04 Jun 2020 18:47

Tgt Ion: 43 Resp: 10361  
 Ion Ratio Lower Upper  
 43 100  
 58 59.4 45.4 68.0  
 57 19.9 15.9 23.9  
 100 11.1 10.5 15.7

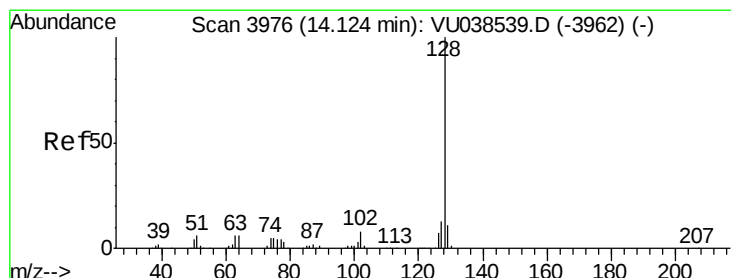
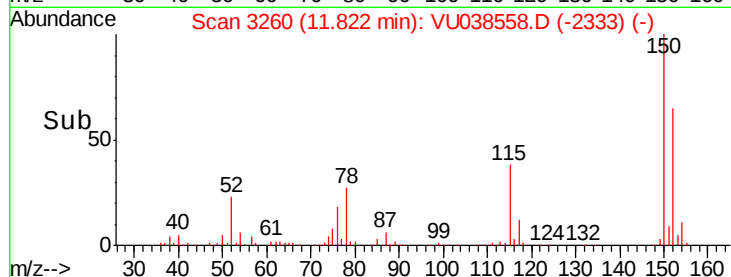
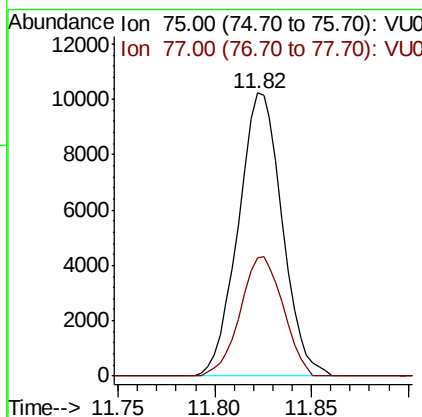
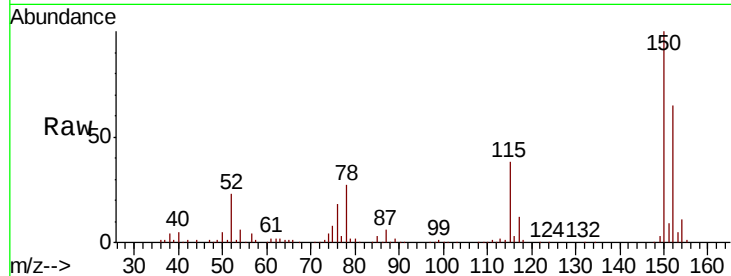




#59  
 1,2,3-Trichloropropane  
 Concen: 1.076 ug/L  
 RT: 11.82 min Scan# 3260  
 Delta R.T. 0.98 min  
 Lab File: VU038558.D  
 Acq: 04 Jun 2020 18:47

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9D10

Tot Ion: 75 Resp: 16169  
 Ion Ratio Lower Upper  
 75 100  
 77 41.2 25.4 38.2#



#69  
 Naphthalene  
 Concen: 0.140 ug/L  
 RT: 14.11 min Scan# 3973  
 Delta R.T. -0.01 min  
 Lab File: VU038558.D  
 Acq: 04 Jun 2020 18:47

Tgt Ion: 128 Resp: 7632  
 Ion Ratio Lower Upper  
 128 100  
 129 9.7 8.9 13.3  
 127 9.8 10.2 15.4#

