

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051520\  
 Data File : VU038192.D  
 Acq On : 15 May 2020 12:57  
 Operator : JC/MD  
 Sample : L2631-12RE  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 16 03:32:40 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat May 16 03:30:00 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 344735   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 330838   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 155853   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 116334   | 3.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 73.80%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 115099   | 4.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 84.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 156768   | 2.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 59.40%# |
| 20) 2-Butanone-d5              | 4.67   | 46    | 409778   | 52.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 105.34% |
| 24) Chloroform-d               | 5.10   | 84    | 219283   | 4.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 133217   | 4.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.20%  |
| 32) Benzene-d6                 | 5.76   | 84    | 464965   | 4.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 156914   | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.00%  |
| 41) Toluene-d8                 | 7.92   | 98    | 397901   | 4.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.40%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 53846    | 4.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 84.00%  |
| 46) 2-Hexanone-d5              | 8.65   | 63    | 327105   | 54.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 108.08% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 122576   | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 97.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 149535   | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 98.60%  |

## Target Compounds

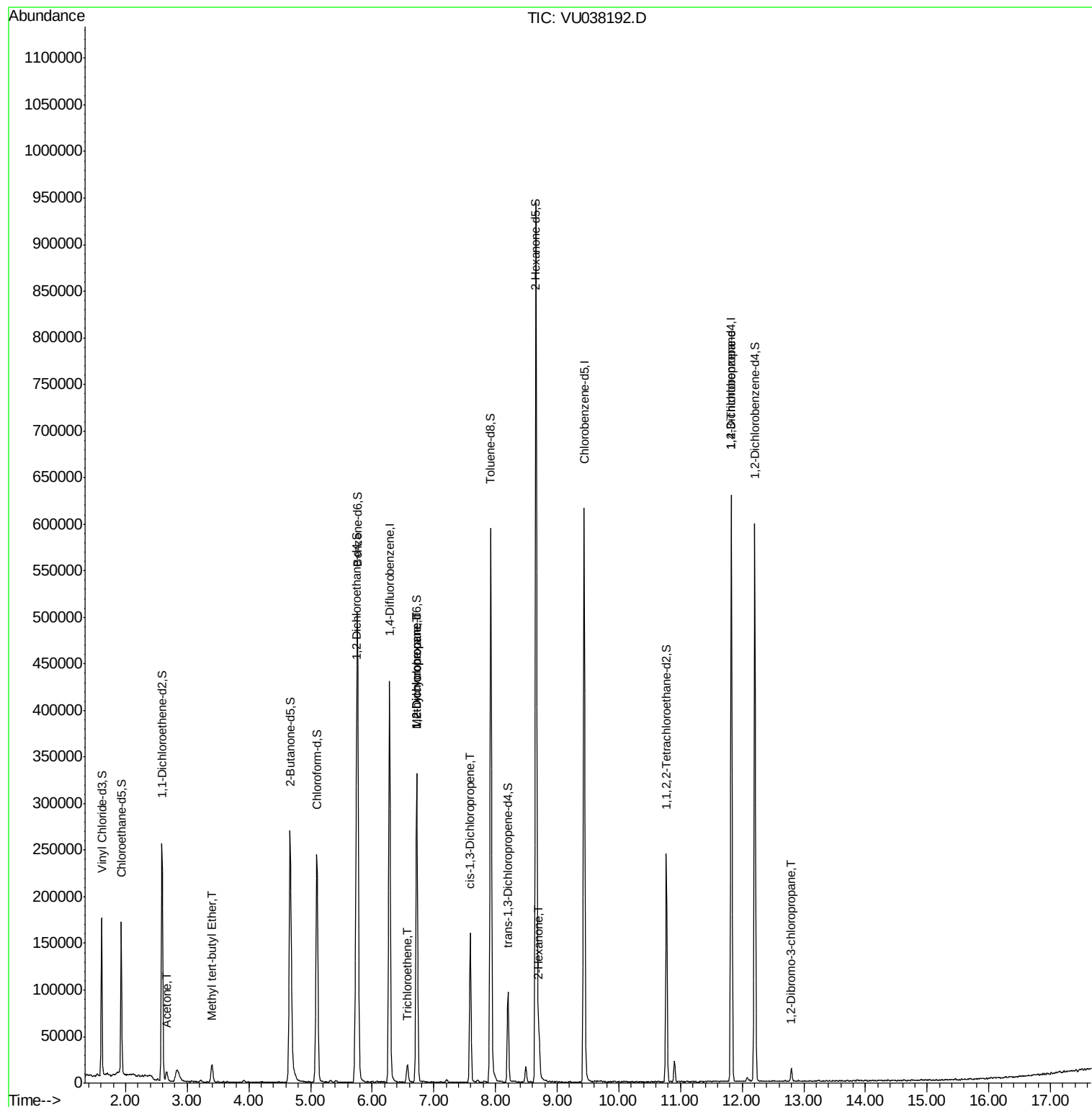
|                                |       |    |       |       | Ovalue    |
|--------------------------------|-------|----|-------|-------|-----------|
| 13) Acetone                    | 2.66  | 43 | 14108 | 2.890 | ug/L 99   |
| 17) Methyl tert-butyl Ether    | 3.40  | 73 | 19655 | 0.296 | ug/L 98   |
| 34) Trichloroethene            | 6.57  | 95 | 5061  | 0.191 | ug/L 95   |
| 35) Methylcyclohexane          | 6.72  | 83 | 33561 | 0.782 | ug/L # 17 |
| 37) 1,2-Dichloropropane        | 6.72  | 63 | 16004 | 0.556 | ug/L # 88 |
| 39) cis-1,3-Dichloropropene    | 7.59  | 75 | 3466  | 0.084 | ug/L # 71 |
| 48) 2-Hexanone                 | 8.71  | 43 | 24549 | 1.681 | ug/L # 97 |
| 59) 1,2,3-Trichloropropane     | 11.82 | 75 | 21473 | 1.112 | ug/L 93   |
| 66) 1,2-Dibromo-3-chloropropan | 12.80 | 75 | 566   | 0.142 | ug/L # 8  |

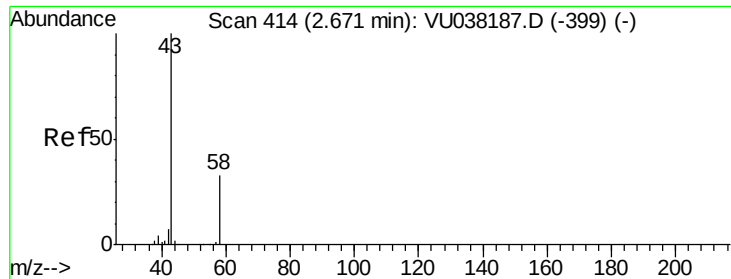
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat May 16 03:30:00 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 2.890 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU038192.D

Acq: 15 May 2020 12:57

Instrument :

MSVOA\_U

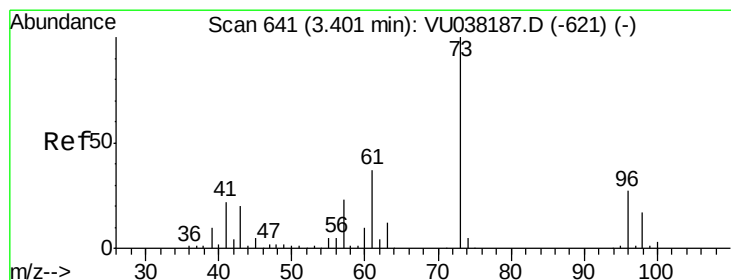
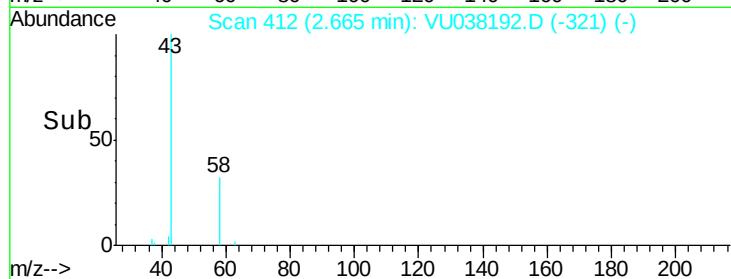
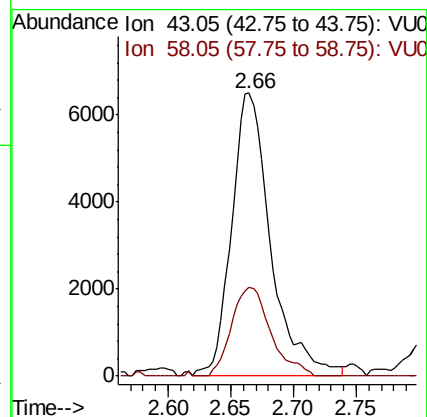
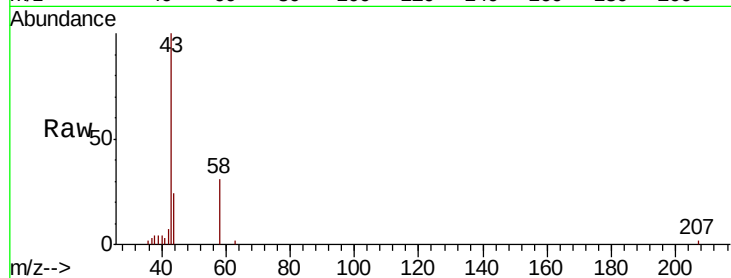
ClientSampleId :

Tot Ion: 43 Resp: 14108

Ion Ratio Lower Upper

43 100

58 31.5 0.0 63.6



#17

Methyl tert-butyl Ether

Concen: 0.296 ug/L

RT: 3.40 min Scan# 641

Delta R.T. -0.00 min

Lab File: VU038192.D

Acq: 15 May 2020 12:57

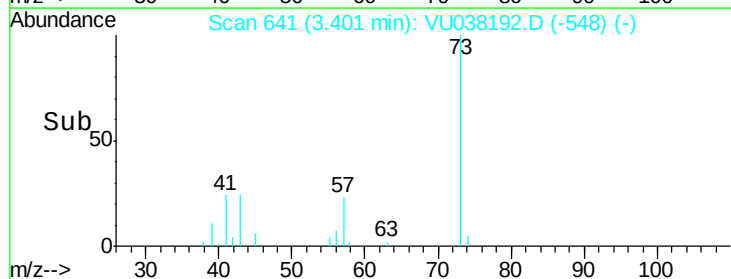
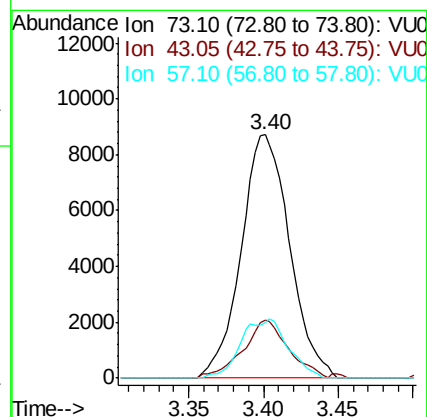
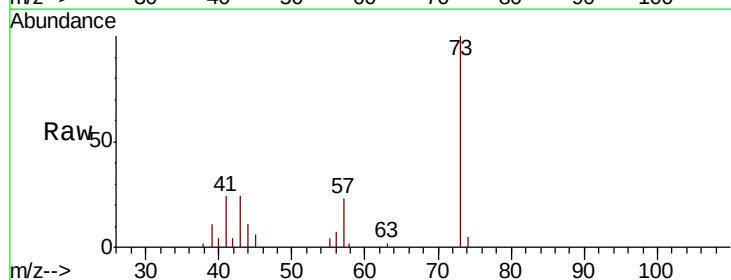
Tgt Ion: 73 Resp: 19655

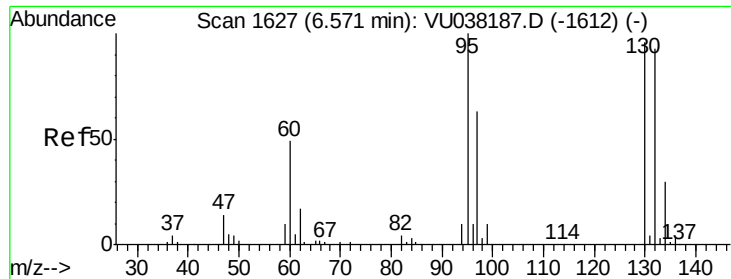
Ion Ratio Lower Upper

73 100

43 22.3 16.9 25.3

57 23.7 18.2 27.2

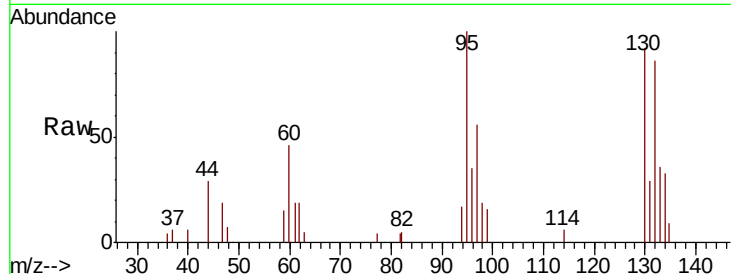




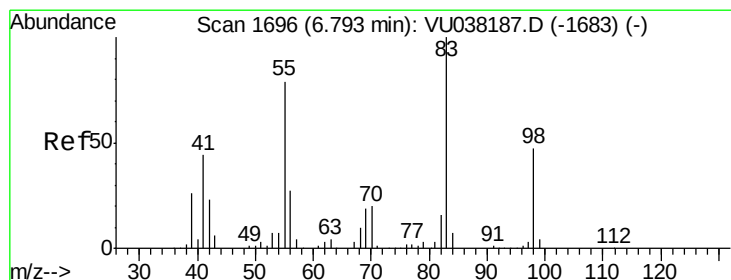
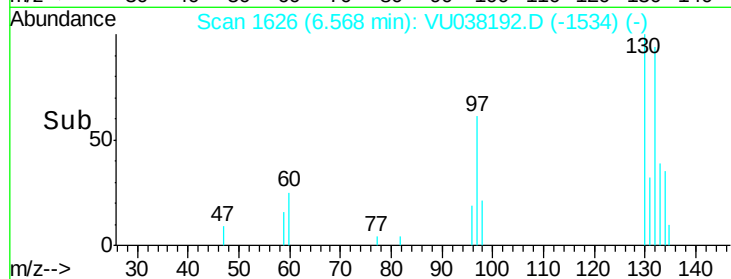
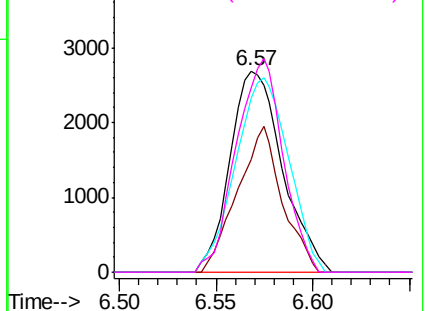
#34  
 Trichloroethene  
 Concen: 0.191 ug/L  
 RT: 6.57 min Scan# 1626  
 Delta R.T. -0.00 min  
 Lab File: VU038192.D  
 Acq: 15 May 2020 12:57

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tot Ion: 95 Resp: 5061  
 Ion Ratio Lower Upper  
 95 100  
 97 56.3 44.9 83.3  
 132 86.4 63.3 117.5  
 130 92.0 65.7 122.1

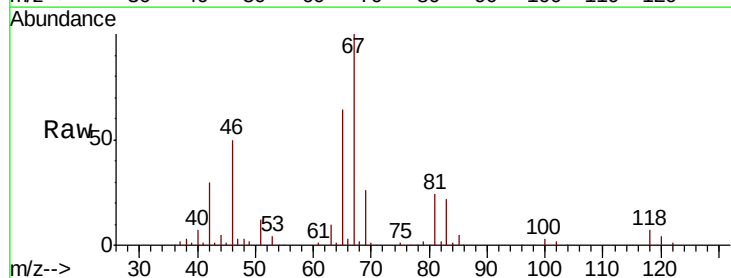


Abundance Ion 95.00 (94.70 to 95.70): VU0  
 Ion 96.95 (96.65 to 97.65): VU0  
 Ion 131.95 (131.65 to 132.65): V  
 Ion 129.95 (129.65 to 130.65): V

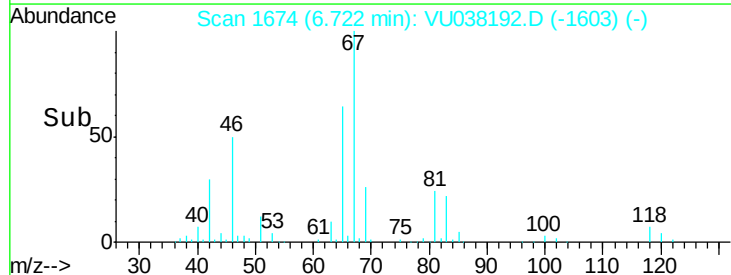
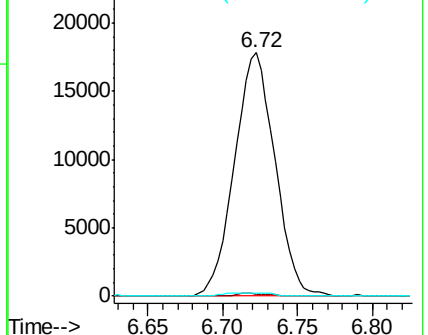


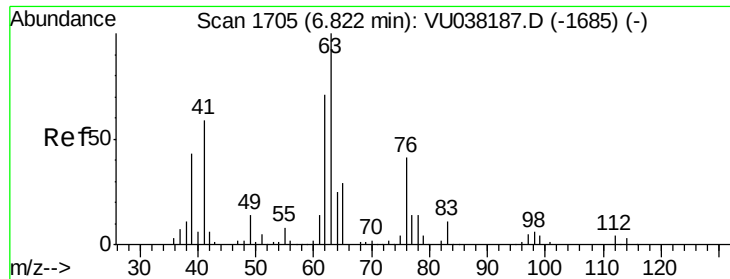
#35  
 Methylcyclohexane  
 Concen: 0.782 ug/L  
 RT: 6.72 min Scan# 1674  
 Delta R.T. -0.07 min  
 Lab File: VU038192.D  
 Acq: 15 May 2020 12:57

Tgt Ion: 83 Resp: 33561  
 Ion Ratio Lower Upper  
 83 100  
 55 0.8 66.7 100.1#  
 98 1.5 39.4 59.2#



Abundance Ion 83.15 (82.85 to 83.85): VU0  
 Ion 55.10 (54.80 to 55.80): VU0  
 Ion 98.15 (97.85 to 98.85): VU0

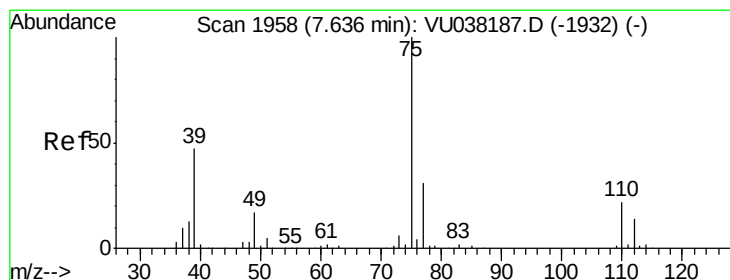
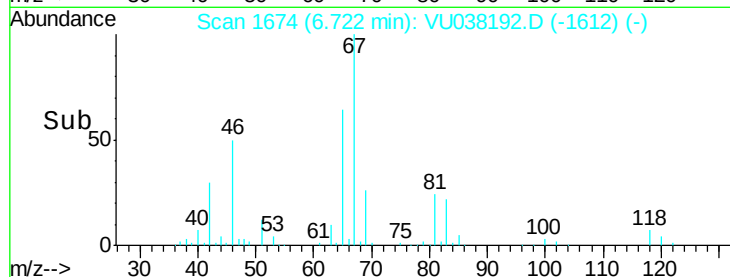
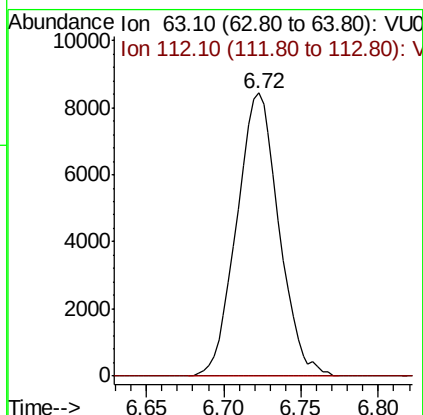
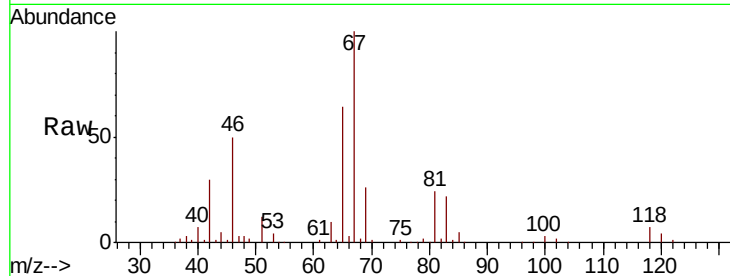




#37  
 1,2-Dichloropropane  
 Concen: 0.556 ug/L  
 RT: 6.72 min Scan# 1674  
 Delta R.T. -0.10 min  
 Lab File: VU038192.D  
 Acq: 15 May 2020 12:57

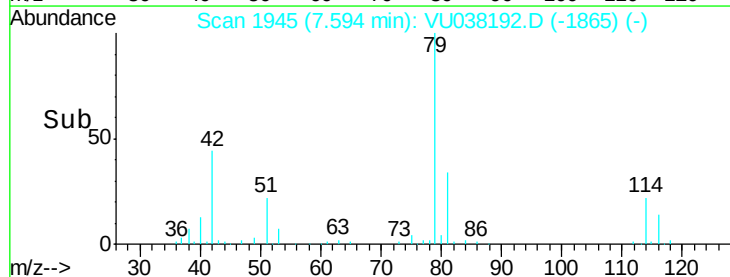
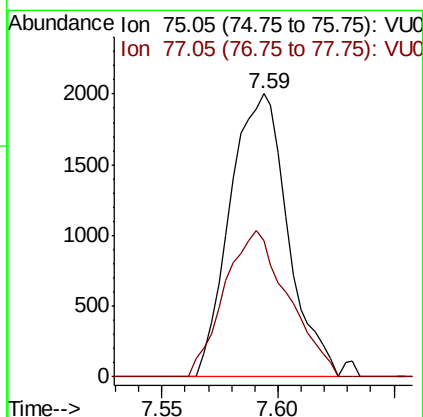
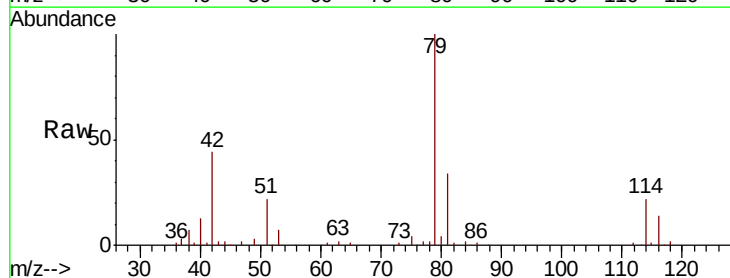
Instrument :  
 MSVOA\_U  
 ClientSampleId :

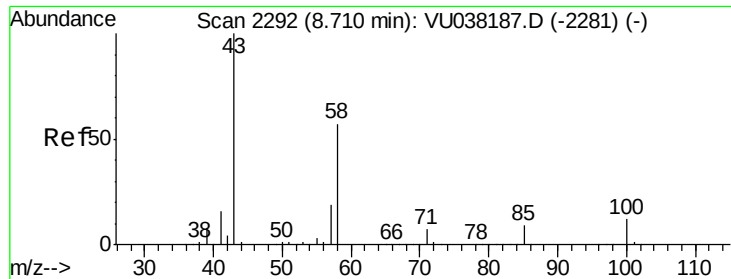
Tot Ion: 63 Resp: 16004  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.1 4.7#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.084 ug/L  
 RT: 7.59 min Scan# 1945  
 Delta R.T. -0.04 min  
 Lab File: VU038192.D  
 Acq: 15 May 2020 12:57

Tgt Ion: 75 Resp: 3466  
 Ion Ratio Lower Upper  
 75 100  
 77 48.1 22.4 41.6#

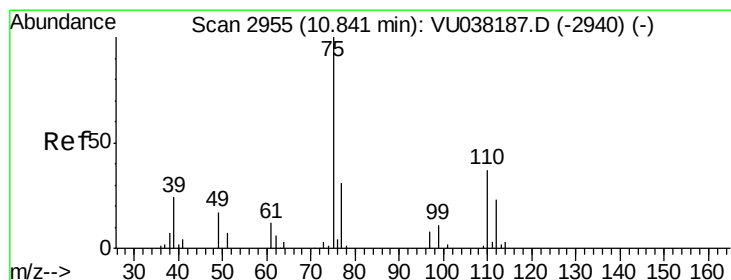
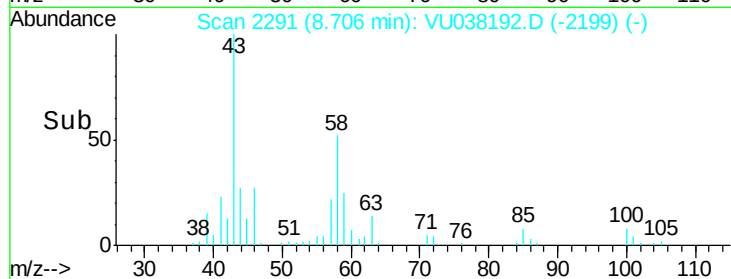
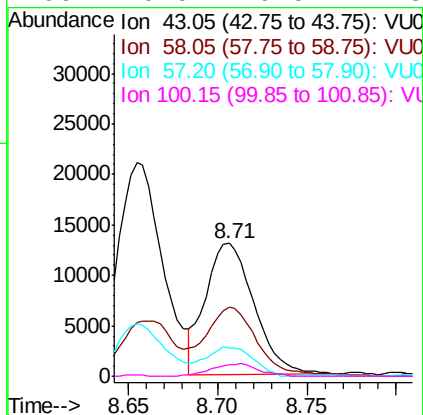
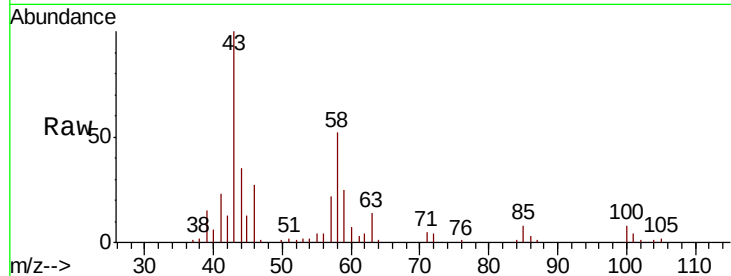




#48  
 2-Hexanone  
 Concen: 1.681 ug/L  
 RT: 8.71 min Scan# 2291  
 Delta R.T. -0.00 min  
 Lab File: VU038192.D  
 Acq: 15 May 2020 12:57

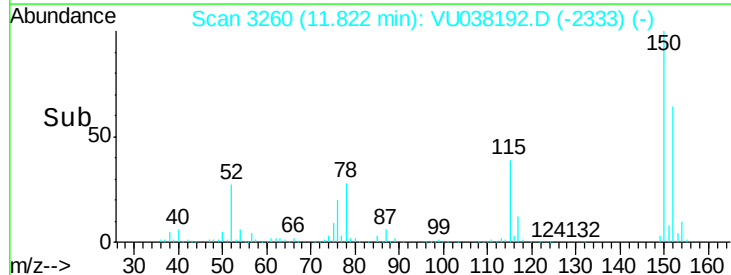
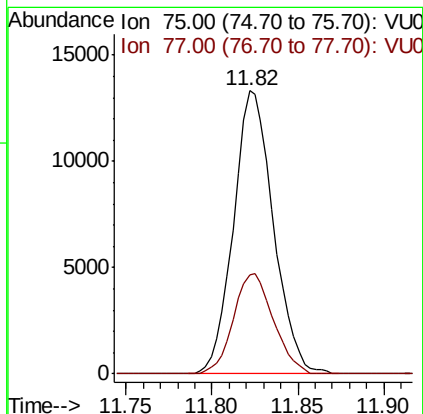
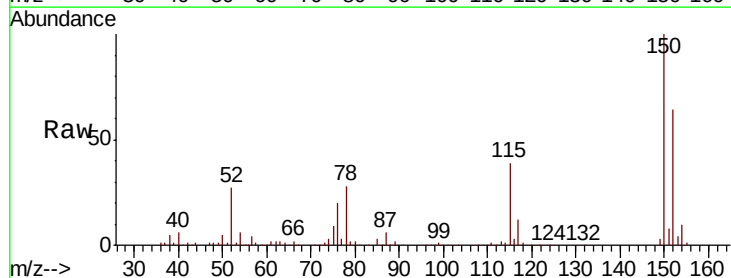
Instrument :  
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 ClientSampleId :

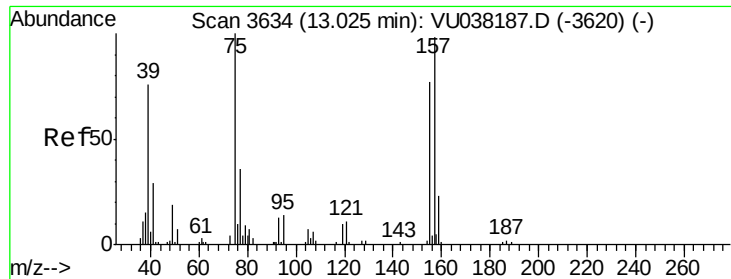
Tot Ion: 43 Resp: 24549  
 Ion Ratio Lower Upper  
 43 100  
 58 56.0 45.2 67.8  
 57 21.8 15.5 23.3  
 100 9.0 9.5 14.3#



#59  
 1,2,3-Trichloropropane  
 Concen: 1.112 ug/L  
 RT: 11.82 min Scan# 3260  
 Delta R.T. 0.98 min  
 Lab File: VU038192.D  
 Acq: 15 May 2020 12:57

Tgt Ion: 75 Resp: 21473  
 Ion Ratio Lower Upper  
 75 100  
 77 35.4 25.4 38.0





#66

1,2-Dibromo-3-chloropropane

Concen: 0.142 ug/L

RT: 12.80 min Scan# 3564

Delta R.T. -0.23 min

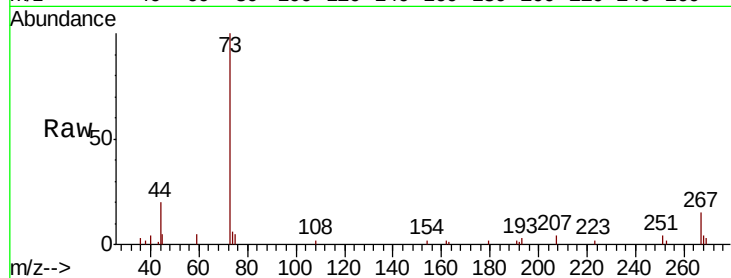
Lab File: VU038192.D

Acq: 15 May 2020 12:57

Instrument :

MSVOA\_U

ClientSampleId :



|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 75    | Resp: | 566    |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 155      | 0.0   | 58.2  | 87.2#  |
| 157      | 0.0   | 72.9  | 109.3# |

