

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100920\  
 Data File : VU040622.D  
 Acq On : 10 Oct 2020 06:43  
 Operator : SY/MD  
 Sample : L4352-22  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ETZ15

Manual Integrations  
 APPROVED

MMDadoda  
 10/12/2020 11:51:11 AM

Quant Time: Oct 10 07:50:06 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100820WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Oct 10 05:58:50 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 136008   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 136301   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 57952    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 49393    | 4.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 87.60%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 40968    | 4.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 94.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 74717    | 3.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 67.80%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 200723   | 55.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 111.32% |
| 24) Chloroform-d               | 5.08   | 84    | 97573    | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 60365    | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 100.20% |
| 32) Benzene-d6                 | 5.74   | 84    | 181250   | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 61690    | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 101.00% |
| 41) Toluene-d8                 | 7.91   | 98    | 144088   | 4.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.60%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 23012    | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 89.00%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 134175   | 50.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 100.72% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 54710    | 5.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 100.00% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 57025    | 5.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 106.20% |

## Target Compounds

|                              |      |     |        |        | Ovalue |
|------------------------------|------|-----|--------|--------|--------|
| 3) Chloromethane             | 1.53 | 50  | 3129m  | 0.272  | ug/L   |
| 5) Vinyl chloride            | 1.61 | 62  | 140279 | 11.559 | ug/L   |
| 12) 1,1-Dichloroethene       | 2.59 | 96  | 1952   | 0.201  | ug/L # |
| 13) Acetone                  | 2.67 | 43  | 4888m  | 1.749  | ug/L   |
| 18) trans-1,2-Dichloroethene | 3.37 | 96  | 13056  | 1.285  | ug/L   |
| 22) cis-1,2-Dichloroethene   | 4.69 | 96  | 602600 | 55.008 | ug/L   |
| 34) Trichloroethene          | 6.55 | 95  | 5441   | 0.479  | ug/L   |
| 42) Toluene                  | 7.98 | 91  | 2839   | 0.064  | ug/L   |
| 47) Tetrachloroethene        | 8.56 | 164 | 985    | 0.122  | ug/L   |
| 53) m,p-Xylene               | 9.69 | 106 | 996    | 0.057  | ug/L   |

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

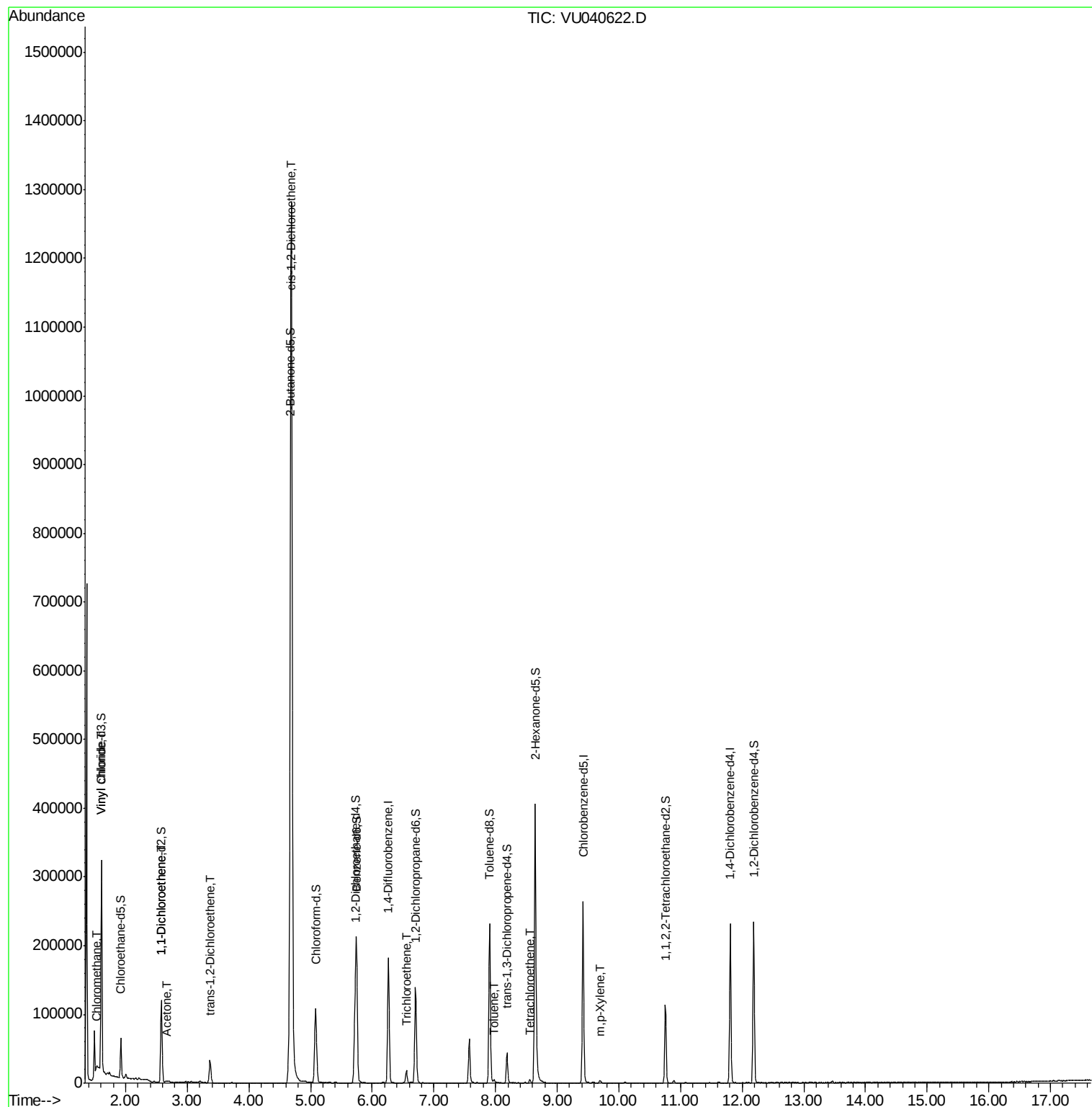
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100920\  
Data File : VU040622.D  
Acq On : 10 Oct 2020 06:43  
Operator : SY/MD  
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Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 50 Sample Multiplier: 1

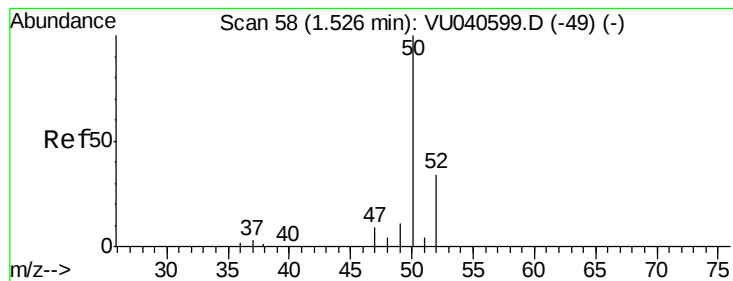
Instrument :  
MSVOA\_U  
ClientSampleId :  
ETZ15

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Quant Time: Oct 10 07:50:06 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100820WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Oct 10 05:58:50 2020  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.272 ug/L m

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040622.D

Acq: 10 Oct 2020 06:43

Instrument :

MSVOA\_U

ClientSampleId :

ETZ15

Tot Ion: 50 Resp: 3129

Ion Ratio Lower Upper

50 100

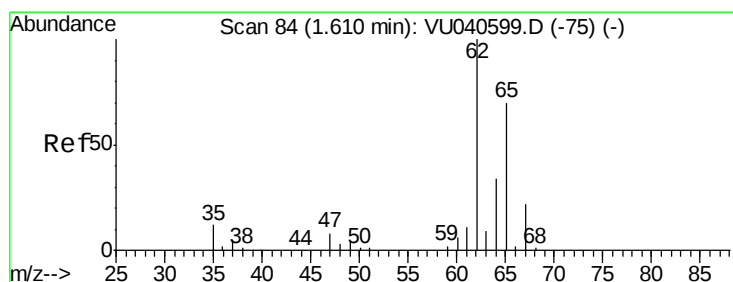
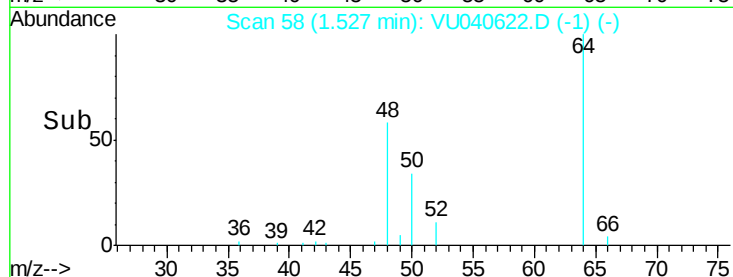
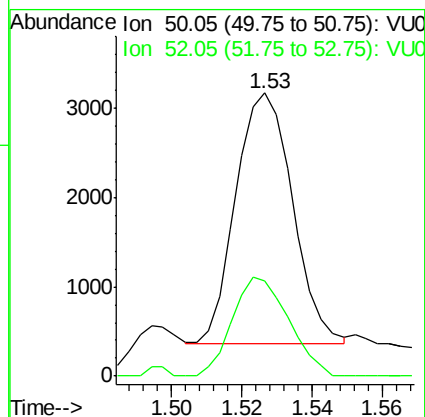
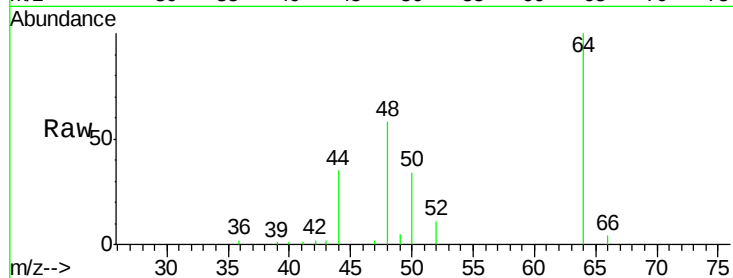
52 33.7 21.9 40.7

Manual Integrations

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#5

Vinyl chloride

Concen: 11.559 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040622.D

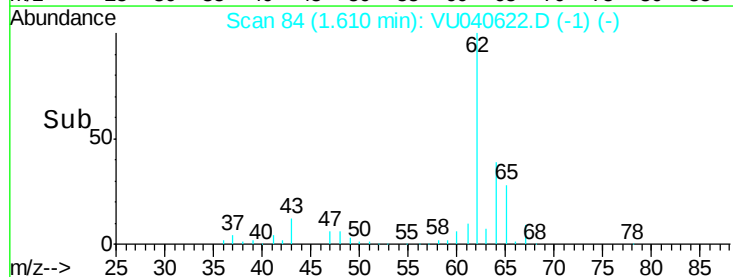
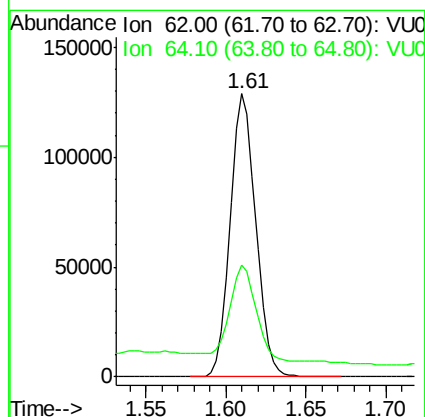
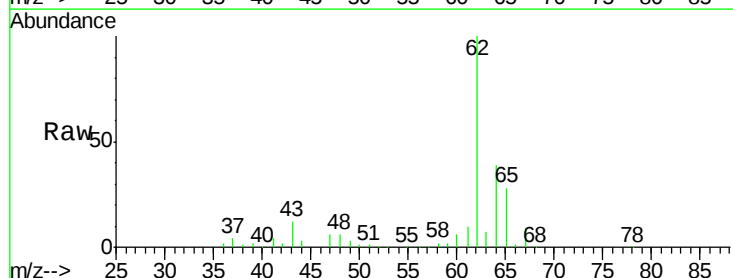
Acq: 10 Oct 2020 06:43

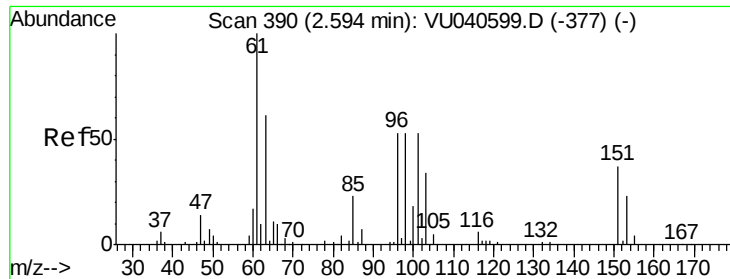
Tgt Ion: 62 Resp: 140279

Ion Ratio Lower Upper

62 100

64 39.4 23.7 44.1





#12

1,1-Dichloroethene

Concen: 0.201 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040622.D

Acq: 10 Oct 2020 06:43

Instrument :

MSVOA\_U

ClientSampled :

ETZ15

Tot Ion: 96 Resp: 1952

Ion Ratio Lower Upper

96 100

61 408.4 128.8 239.2#

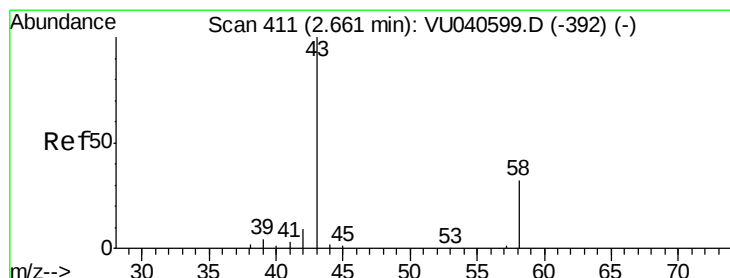
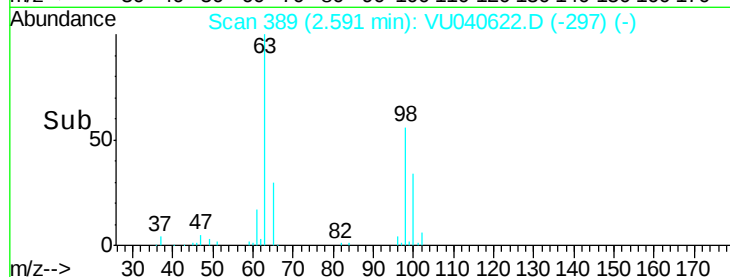
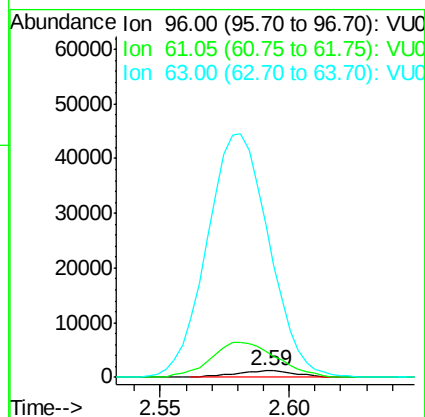
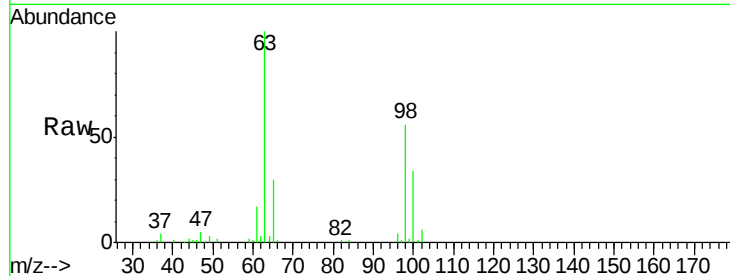
63 2366.1 84.6 157.2

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#13

Acetone

Concen: 1.749 ug/L m

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU040622.D

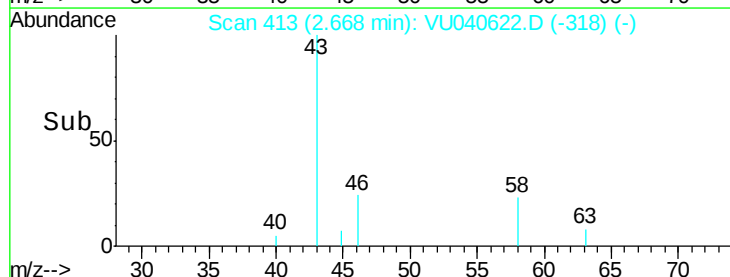
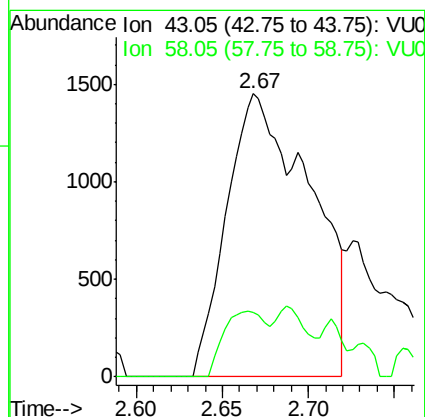
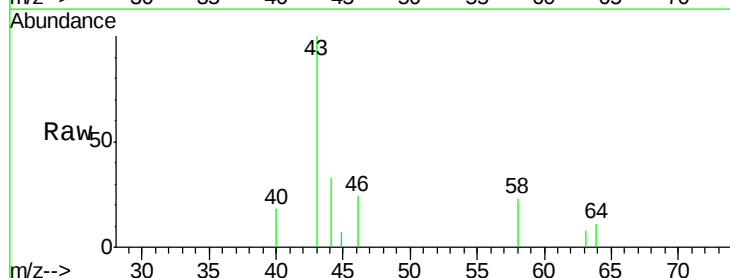
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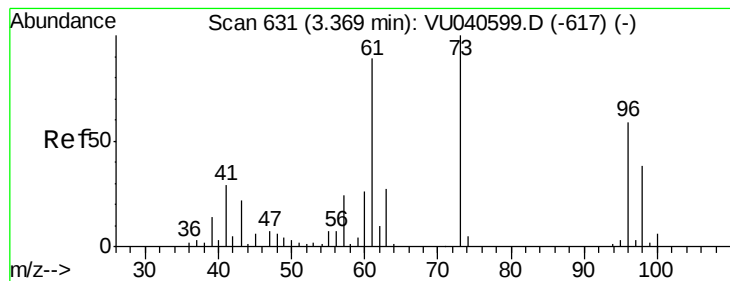
Tgt Ion: 43 Resp: 4888

Ion Ratio Lower Upper

43 100

58 11.9 0.0 60.6





#18

trans-1,2-Dichloroethene

Concen: 1.285 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU040622.D

Acq: 10 Oct 2020 06:43

Instrument :

MSVOA\_U

ClientSampled :

ETZ15

Tot Ion: 96 Resp: 13056

Ion Ratio Lower Upper

96 100

61 149.9 105.9 196.7

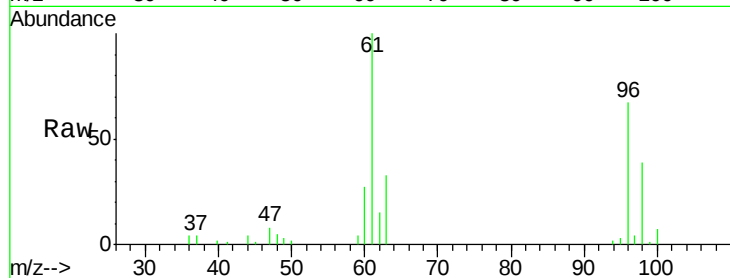
98 57.8 43.8 81.3

Manual Integrations

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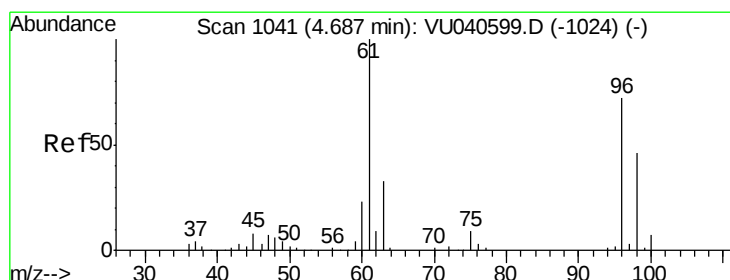
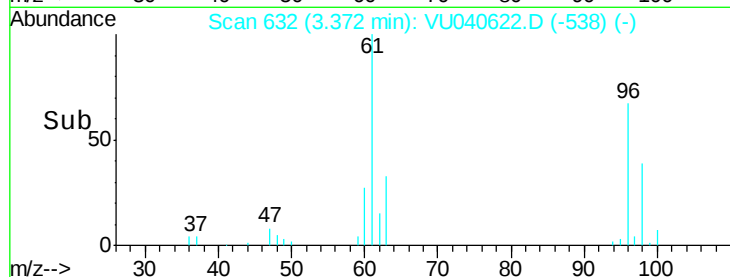
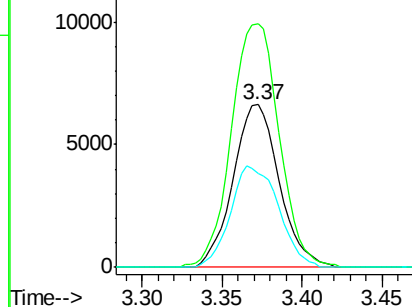
10/12/2020 11:51:11 AM



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



#22

cis-1,2-Dichloroethene

Concen: 55.008 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040622.D

Acq: 10 Oct 2020 06:43

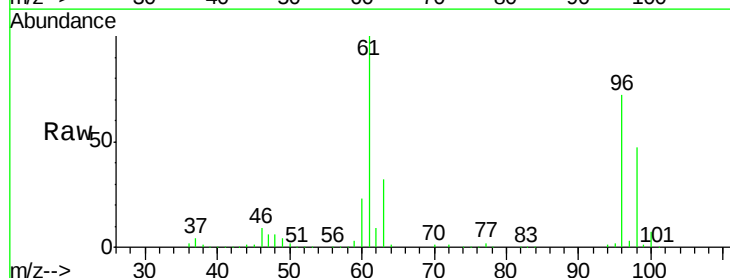
Tgt Ion: 96 Resp: 602600

Ion Ratio Lower Upper

96 100

61 138.9 99.8 185.4

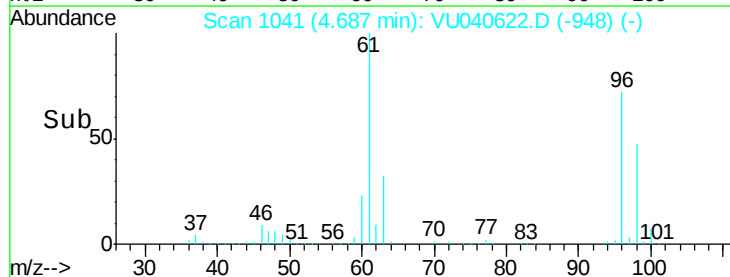
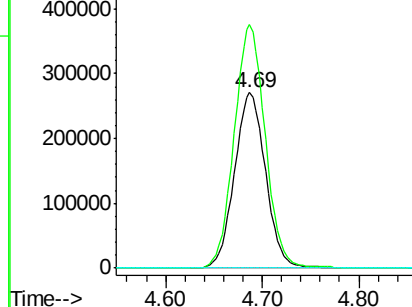
68 0.0 0.0 0.0

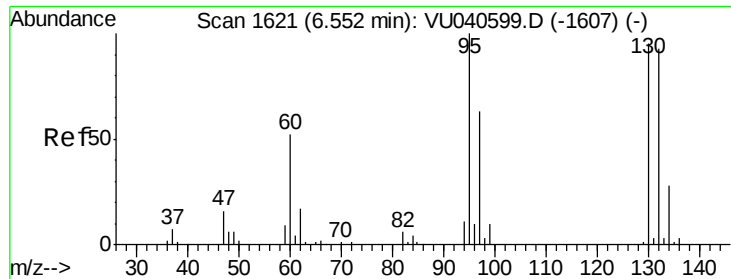


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0





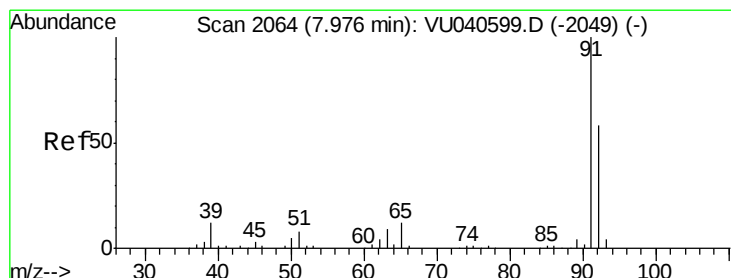
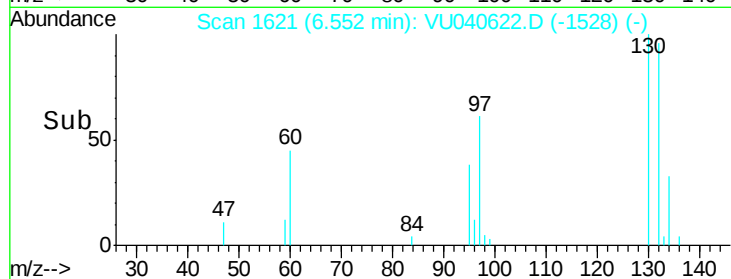
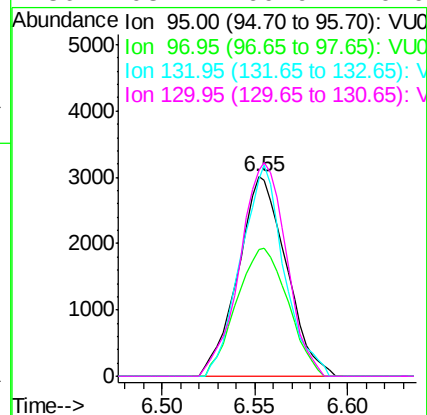
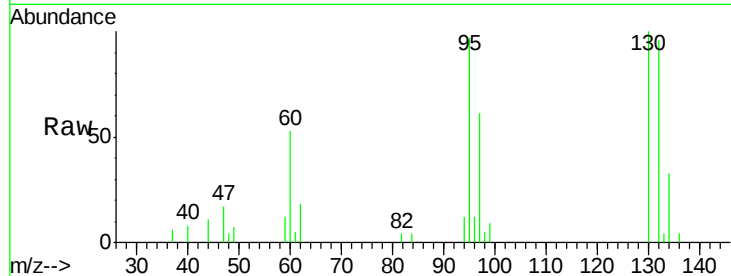
#34  
 Trichloroethene  
 Concen: 0.479 ug/L  
 RT: 6.55 min Scan# 1621  
 Delta R.T. 0.00 min  
 Lab File: VU040622.D  
 Acq: 10 Oct 2020 06:43

Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 ETZ15

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 95      | 100   |       |       |       |
| 97      | 63.3  | 45.5  | 84.5  |       |
| 132     | 98.8  | 67.5  | 125.4 |       |
| 130     | 103.4 | 69.9  | 129.9 |       |

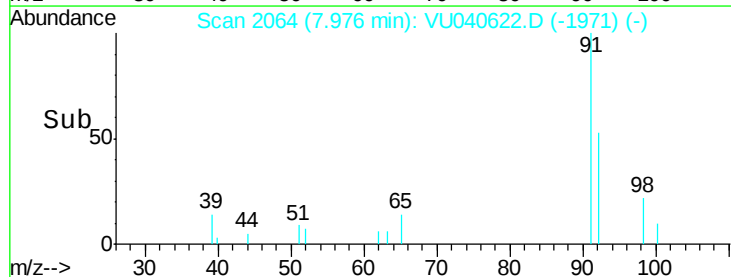
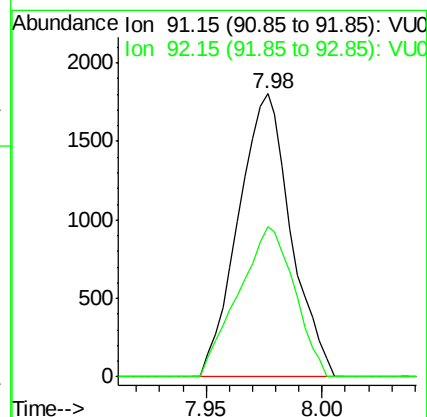
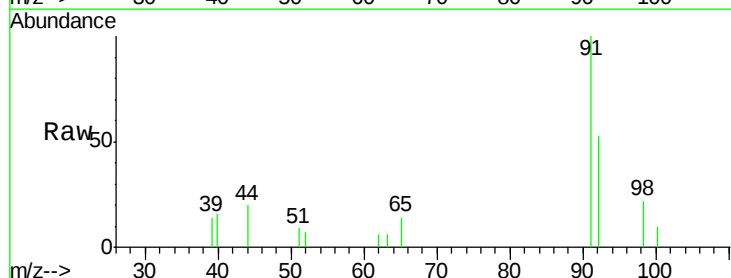
Manual Integrations  
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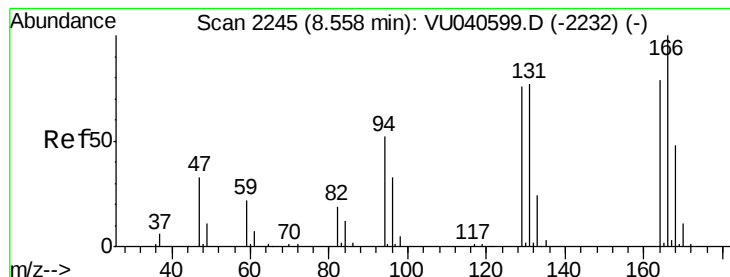
MMDadoda  
 10/12/2020 11:51:11 AM



#42  
 Toluene  
 Concen: 0.064 ug/L  
 RT: 7.98 min Scan# 2064  
 Delta R.T. 0.00 min  
 Lab File: VU040622.D  
 Acq: 10 Oct 2020 06:43

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 91      | 100  |       |       |       |
| 92      | 53.2 | 40.2  | 74.6  |       |





#47

Tetrachloroethene

Concen: 0.122 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040622.D

Acq: 10 Oct 2020 06:43

Instrument :

MSVOA\_U

ClientSampled :

ETZ15

Tot Ion:164 Resp: 985

Ion Ratio Lower Upper

164 100

129 109.1 68.8 127.8

131 83.8 66.7 123.9

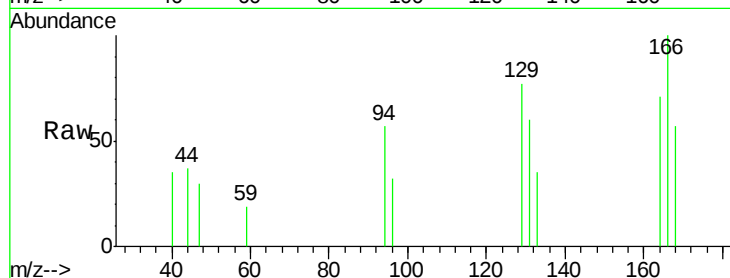
166 140.7 83.9 155.7

Manual Integrations

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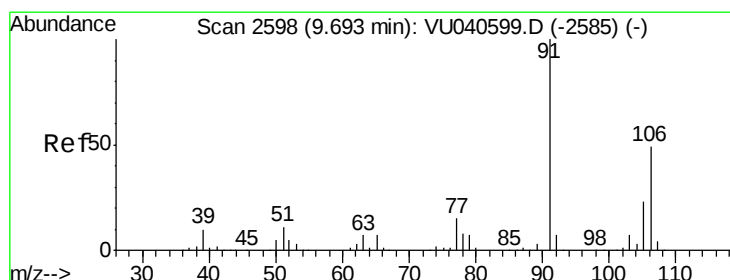
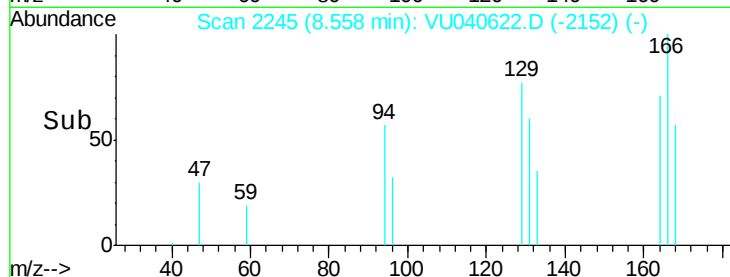
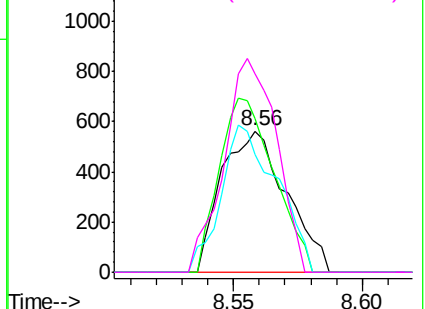


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#53

m,p-Xylene

Concen: 0.057 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040622.D

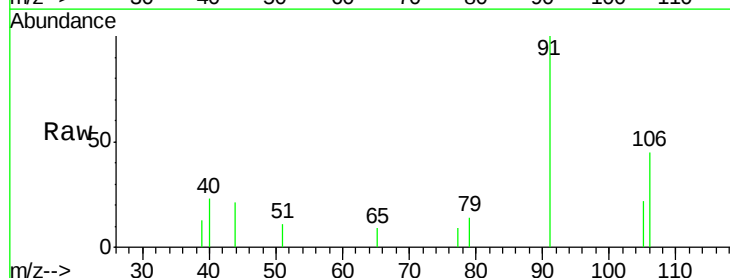
Acq: 10 Oct 2020 06:43

Tgt Ion:106 Resp: 996

Ion Ratio Lower Upper

106 100

91 221.7 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

