

Data File : VV012194.D  
Acq On : 11 Aug 2019 15:33  
Operator : SY/MD  
Sample : K4289-09  
Misc : 5mL/MSVOA\_V/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
F2B29

Manual Integrations  
APPROVED

MMDadoda  
8/12/2019 10:33:39 AM

Quant Time: Aug 12 03:03:03 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM081019WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Aug 12 02:03:52 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 475579   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 454814   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 201277   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 110245   | 63.01    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 126.02%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 79452    | 71.22    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 142.44%# |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 145417   | 43.97    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.94%   |
| 21) 2-Butanone-d5              | 3.94    | 46    | 36834m   | 42.58    | ug/L | 0.01     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 42.58%   |
| 24) Chloroform-d               | 4.40    | 84    | 133140   | 36.63    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 73.26%   |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 97131    | 46.60    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.20%   |
| 32) Benzene-d6                 | 5.10    | 84    | 357461   | 50.69    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.38%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 104191   | 54.32    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 108.64%  |
| 41) Toluene-d8                 | 7.36    | 98    | 302040   | 44.97    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.94%   |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 44051    | 42.38    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 84.76%   |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 66587    | 90.74    | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 90.74%   |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26   | 84    | 132054   | 50.22    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 100.44%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 113297   | 47.63    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.26%   |

#### Target Compounds

|                              |      |    |        |        |      | Qvalue |
|------------------------------|------|----|--------|--------|------|--------|
| 5) Vinyl chloride            | 1.33 | 62 | 77527  | 29.485 | ug/L | 98     |
| 17) trans-1,2-Dichloroethene | 2.79 | 96 | 8492   | 3.017  | ug/L | 95     |
| 20) cis-1,2-Dichloroethene   | 3.96 | 96 | 291327 | 91.094 | ug/L | 96     |
| 22) 2-Butanone               | 3.99 | 43 | 12622m | 6.747  | ug/L |        |
| 25) Chloroform               | 4.43 | 83 | 33430  | 6.013  | ug/L | 97     |

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

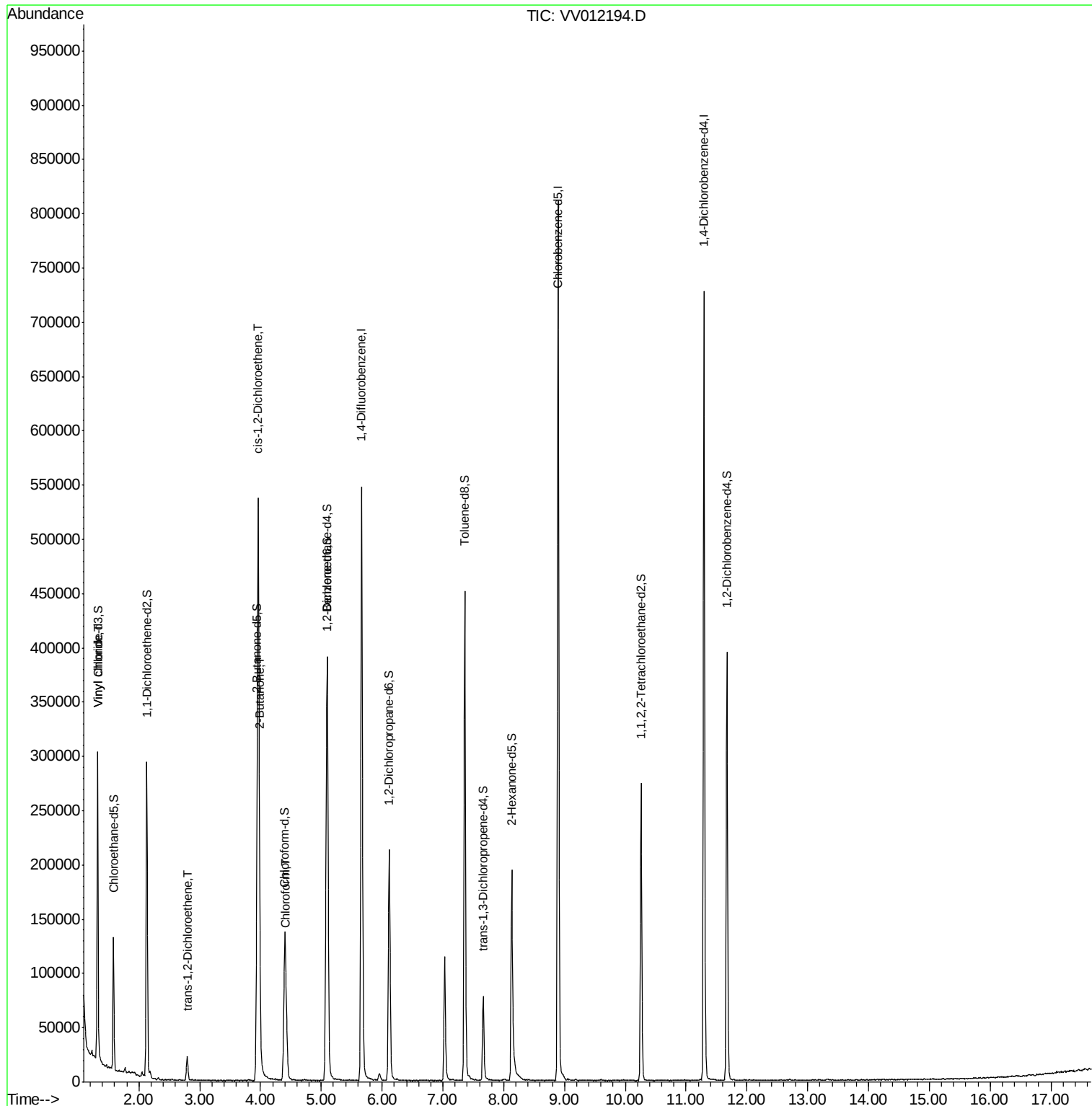
Data File : VV012194.D  
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ALS Vial : 10 Sample Multiplier: 1

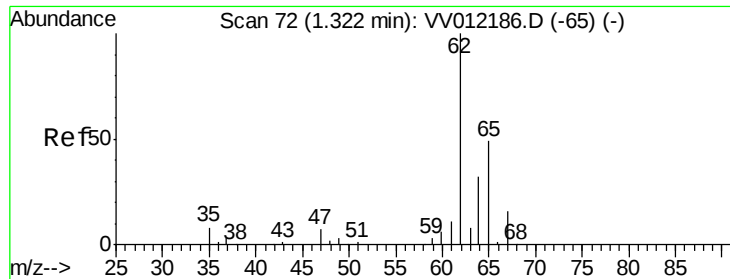
Instrument :  
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Quant Time: Aug 12 03:03:03 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM081019WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Aug 12 02:03:52 2019  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 29.485 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV012194.D

Acq: 11 Aug 2019 15:33

Instrument :

MSVOA\_V

ClientSampleId :

F2B29

Tgt Ion: 62 Resp: 77527

Ion Ratio Lower Upper

62 100

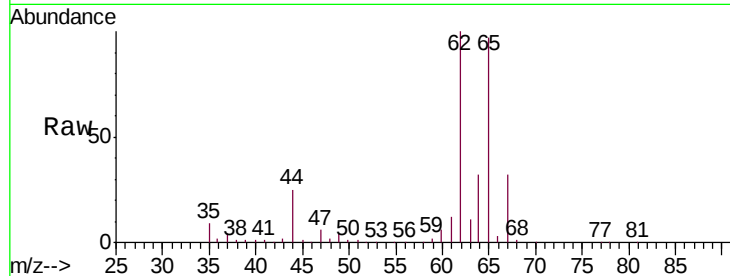
64 32.5 23.7 44.1

Manual Integrations

APPROVED

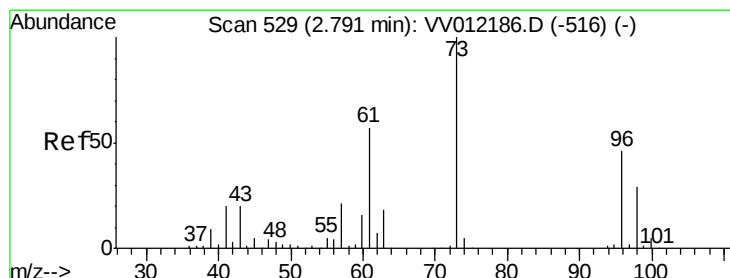
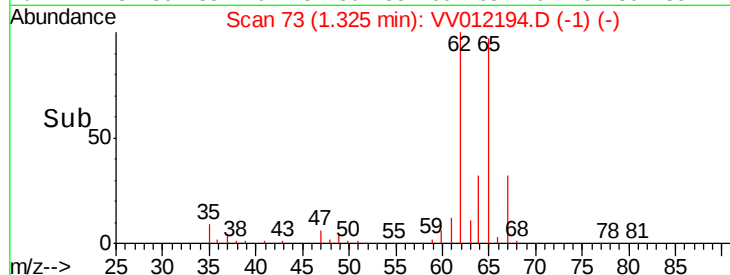
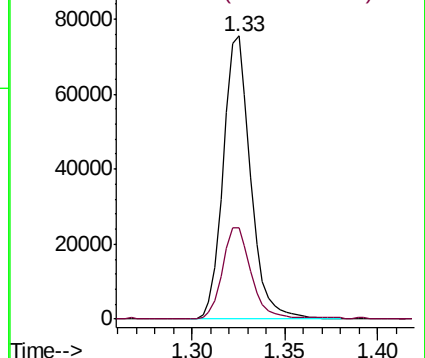
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Abundance Ion 62.00 (61.70 to 62.70): VV012186.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV012194.D (-436) (-)



#17

trans-1,2-Dichloroethene

Concen: 3.017 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV012194.D

Acq: 11 Aug 2019 15:33

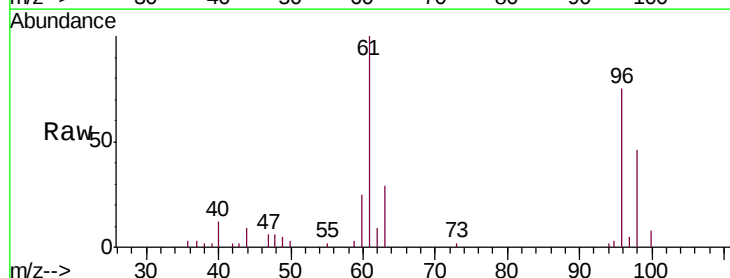
Tgt Ion: 96 Resp: 8492

Ion Ratio Lower Upper

96 100

61 133.5 89.3 165.9

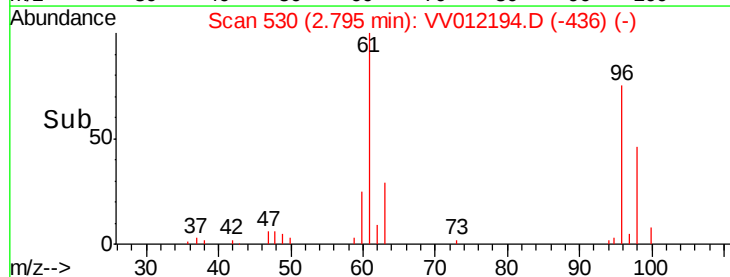
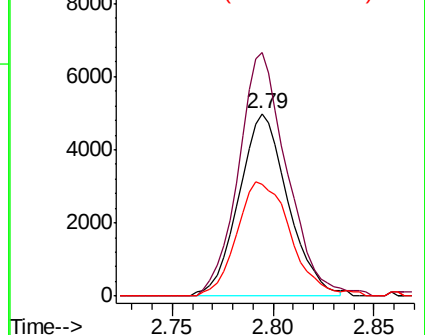
98 61.2 44.7 83.1

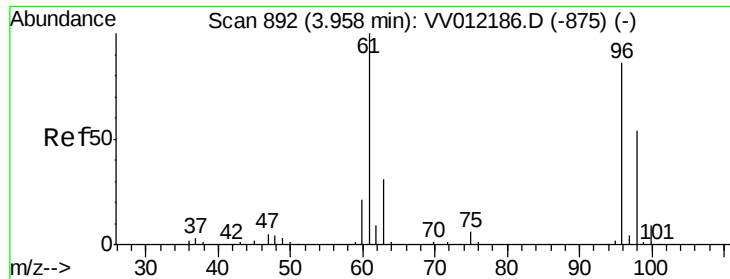


Abundance Ion 96.00 (95.70 to 96.70): VV012186.D (-516) (-)

Ion 61.00 (60.70 to 61.70): VV012194.D (-436) (-)

Ion 98.00 (97.70 to 98.70): VV012194.D (-436) (-)





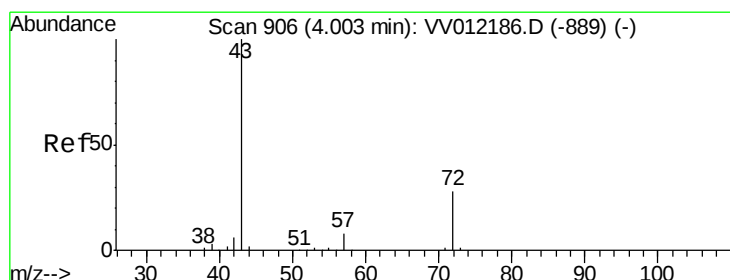
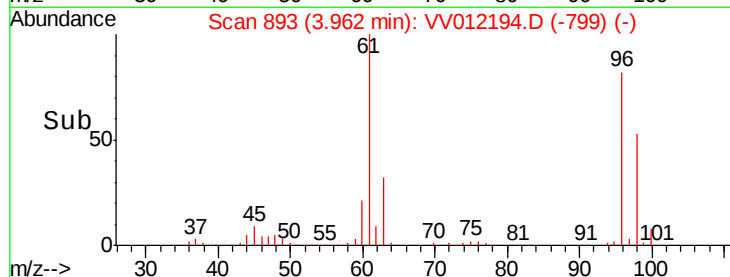
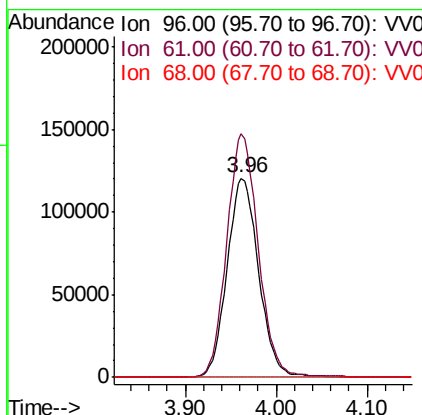
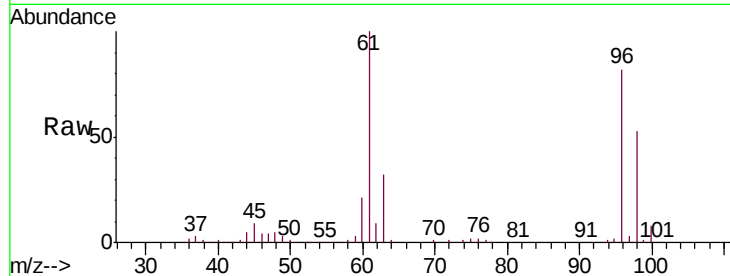
#20  
 cis-1,2-Dichloroethene  
 Concen: 91.094 ug/L  
 RT: 3.96 min Scan# 893  
 Delta R.T. 0.00 min  
 Lab File: VV012194.D  
 Acq: 11 Aug 2019 15:33

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F2B29

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 291327 |       |       |
| 61      | 122.3 | 82.9   | 153.9 |       |
| 68      | 0.0   | 0.0    | 0.0   |       |

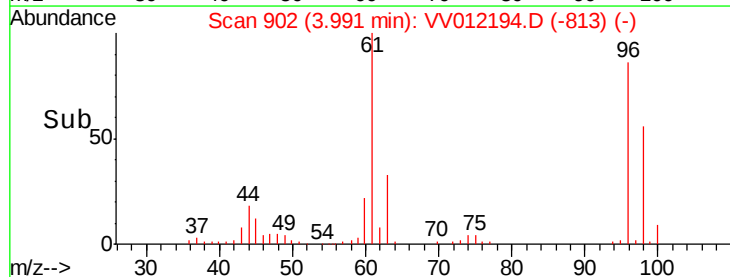
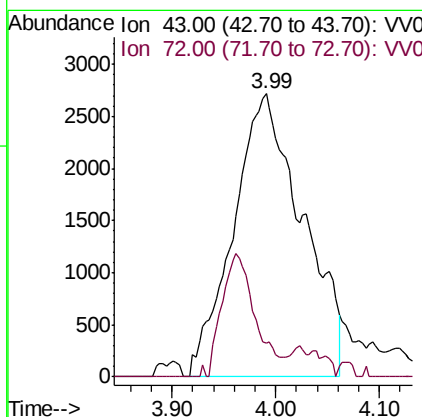
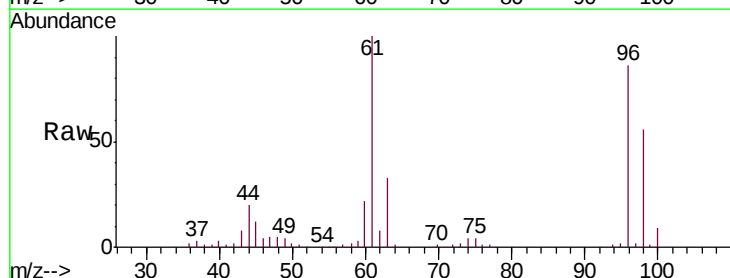
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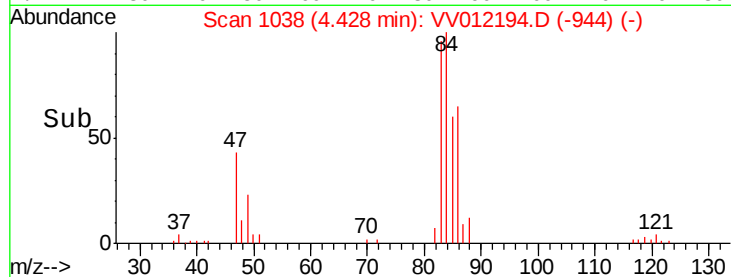
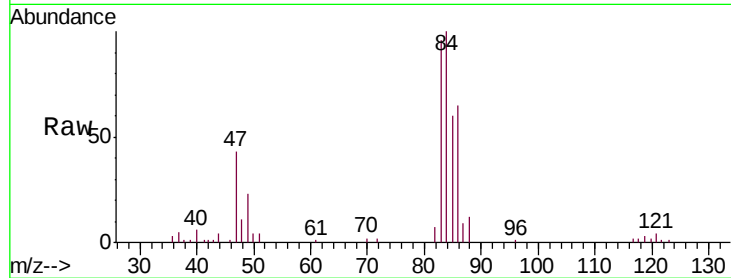
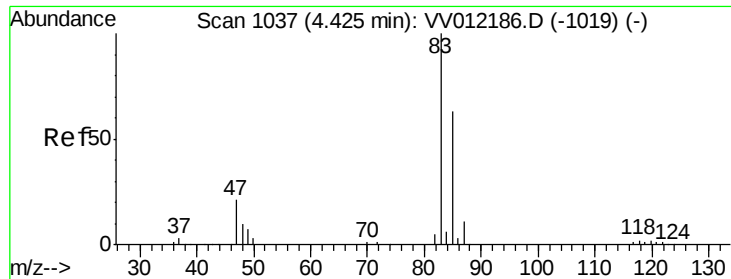
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#22  
 2-Butanone  
 Concen: 6.747 ug/L m  
 RT: 3.99 min Scan# 902  
 Delta R.T. -0.01 min  
 Lab File: VV012194.D  
 Acq: 11 Aug 2019 15:33

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 43      | 100   | 12622 |       |       |
| 72      | 19.2  | 14.0  | 42.0  |       |





#25  
 Chloroform  
 Concen: 6.013 ug/L  
 RT: 4.43 min Scan# 1038  
 Delta R.T. 0.00 min  
 Lab File: VV012194.D  
 Acq: 11 Aug 2019 15:33

Tgt Ion: 83 Resp: 33430  
 Ion Ratio Lower Upper  
 83 100  
 85 62.8 45.7 84.9

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F2B29

Manual Integrations  
 APPROVED

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