

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\  
 Data File : VU035362.D  
 Acq On : 22 Oct 2019 14:00  
 Operator : JC/SP  
 Sample : K5461-20  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H0G71

Manual Integrations  
 APPROVED

MMDadoda  
 10/23/2019 11:32:20 AM

Quant Time: Oct 23 08:00:19 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR101719WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Oct 23 06:48:58 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 320063   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 304466   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 107015   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.62   | 65    | 128985   | 6.61     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 132.20%# |
| 7) Chloroethane-d5             | 1.93   | 69    | 114933   | 6.44     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 128.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.60   | 63    | 175157   | 4.85     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 97.00%   |
| 20) 2-Butanone-d5              | 4.72   | 46    | 300317   | 53.55    | ug/L | 0.02     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 107.10%  |
| 24) Chloroform-d               | 5.11   | 84    | 189910   | 5.33     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 106.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 113188   | 5.73     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 114.60%  |
| 32) Benzene-d6                 | 5.77   | 84    | 401668   | 5.77     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 115.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.74   | 67    | 137392   | 6.21     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 124.20%  |
| 41) Toluene-d8                 | 7.93   | 98    | 324893   | 4.88     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.60%   |
| 43) trans-1,3-Dichloropropene- | 8.22   | 79    | 46871    | 4.37     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 87.40%   |
| 46) 2-Hexanone-d5              | 8.69   | 63    | 181477   | 38.35    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 76.70%   |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 106823   | 5.42     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 108.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 110389   | 5.66     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 113.20%  |

## Target Compounds

| Target Compounds             | R.T. | QIon | Response | Conc    | Units | Ovalue |
|------------------------------|------|------|----------|---------|-------|--------|
| 5) Vinyl chloride            | 1.62 | 62   | 139902   | 5.041   | ug/L  | 96     |
| 13) Acetone                  | 2.67 | 43   | 18670    | 4.786   | ug/L  | 95     |
| 14) Carbon disulfide         | 2.82 | 76   | 41157    | 0.633   | ug/L  | 97     |
| 18) trans-1,2-Dichloroethene | 3.39 | 96   | 235072   | 10.593  | ug/L  | 95     |
| 19) 1,1-Dichloroethane       | 3.92 | 63   | 4742     | 0.118   | ug/L  | 95     |
| 22) cis-1,2-Dichloroethene   | 4.72 | 96   | 17888542 | 729.333 | ug/L  | 80     |
| 33) Benzene                  | 5.82 | 78   | 44963m   | 0.502   | ug/L  |        |
| 34) Trichloroethene          | 6.58 | 95   | 20914    | 0.868   | ug/L  | 95     |
| 42) Toluene                  | 8.01 | 91   | 209753   | 2.121   | ug/L  | 99     |

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

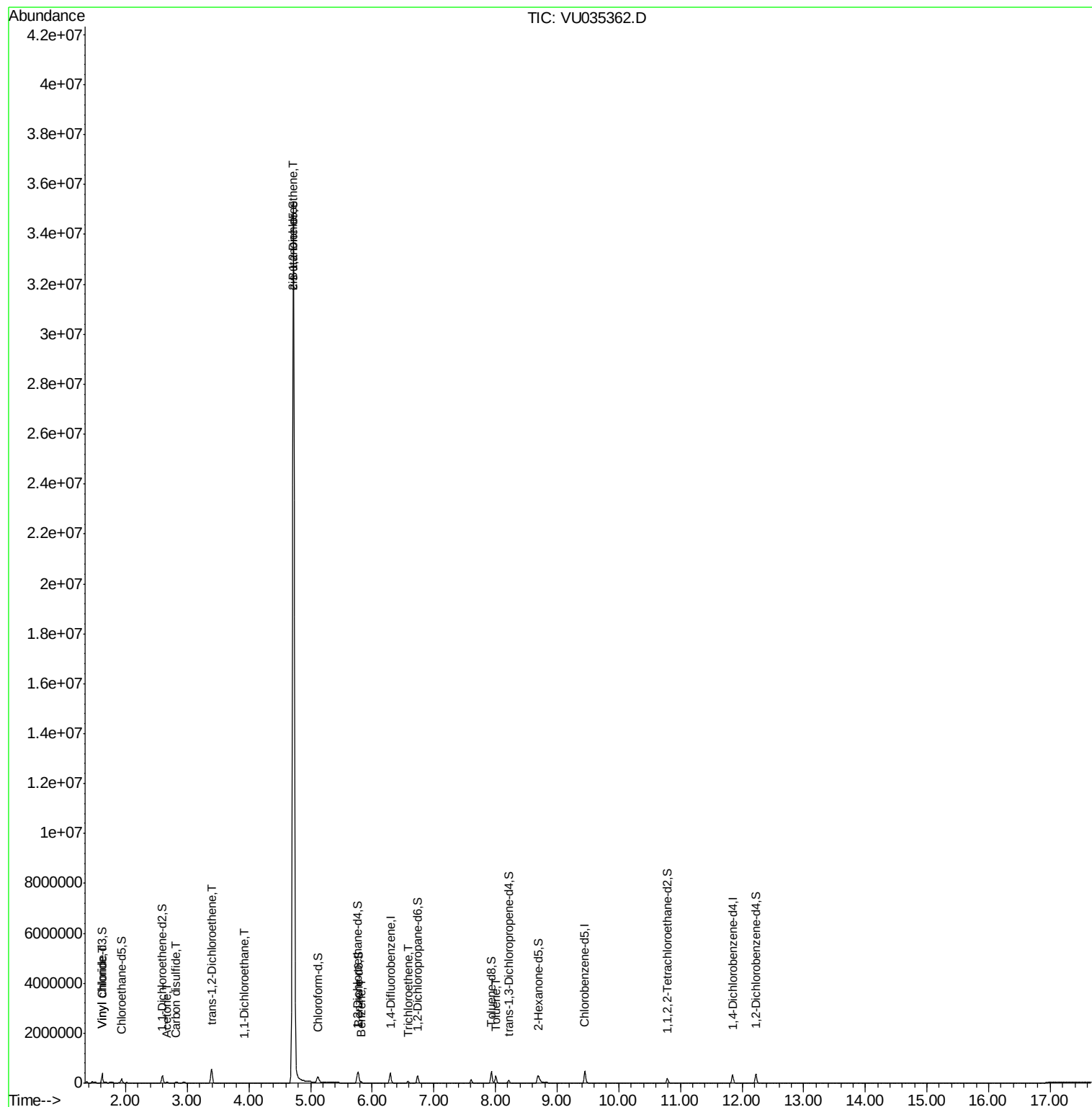
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU102219\  
Data File : VU035362.D  
Acq On : 22 Oct 2019 14:00  
Operator : JC/SP  
Sample : K5461-20  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 14 Sample Multiplier: 1

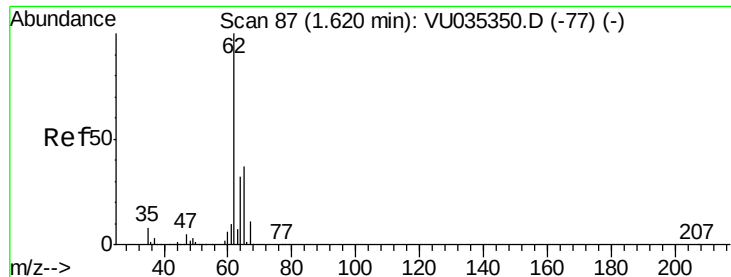
Instrument :  
MSVOA\_U  
ClientSampleId :  
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10/23/2019 11:32:20 AM

Quant Time: Oct 23 08:00:19 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR101719WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Oct 23 06:48:58 2019  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.041 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035362.D

Acq: 22 Oct 2019 14:00

Instrument :

MSVOA\_U

ClientSampled :

H0G71

Tot Ion: 62 Resp: 139902

Ion Ratio Lower Upper

62 100

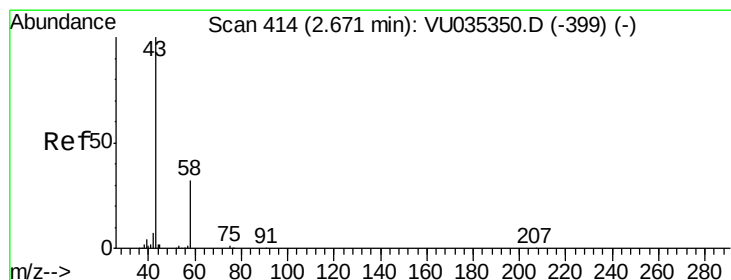
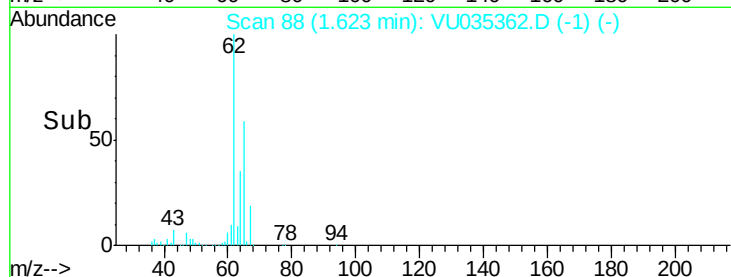
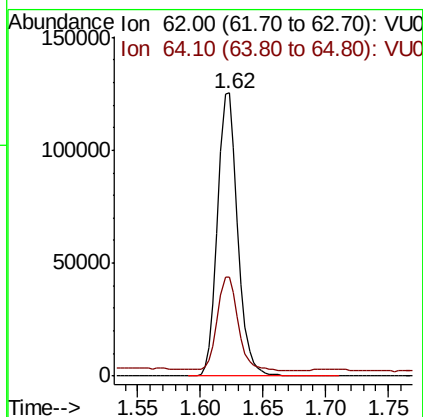
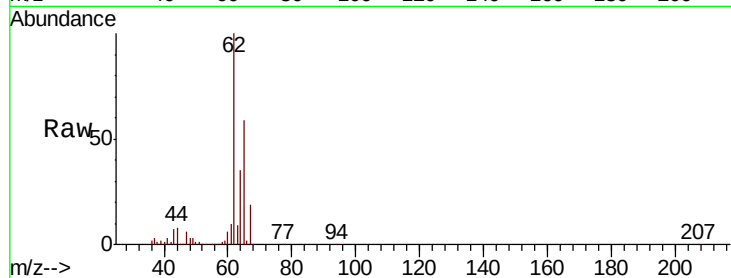
64 35.2 22.9 42.5

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#13

Acetone

Concen: 4.786 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.00 min

Lab File: VU035362.D

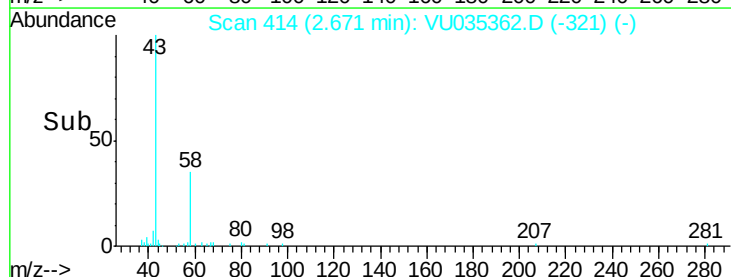
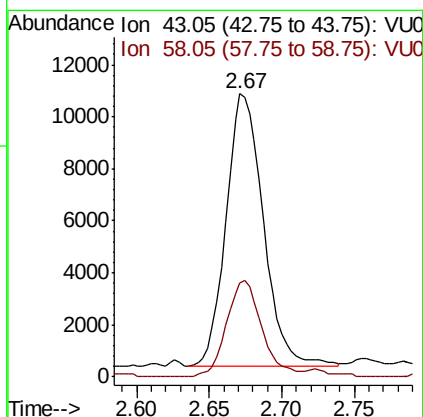
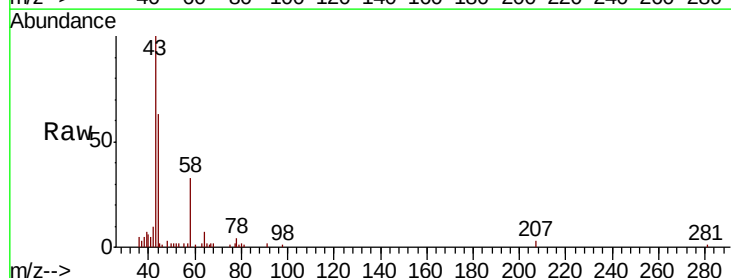
Acq: 22 Oct 2019 14:00

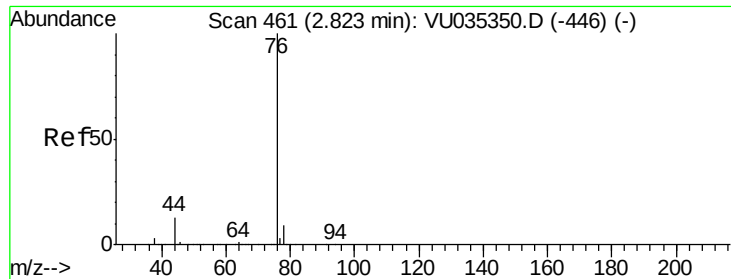
Tgt Ion: 43 Resp: 18670

Ion Ratio Lower Upper

43 100

58 33.4 0.0 61.8





#14

Carbon disulfide

Concen: 0.633 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035362.D

Acq: 22 Oct 2019 14:00

Instrument :

MSVOA\_U

ClientSampled :

H0G71

Tot Ion: 76 Resp: 41157

Ion Ratio Lower Upper

76 100

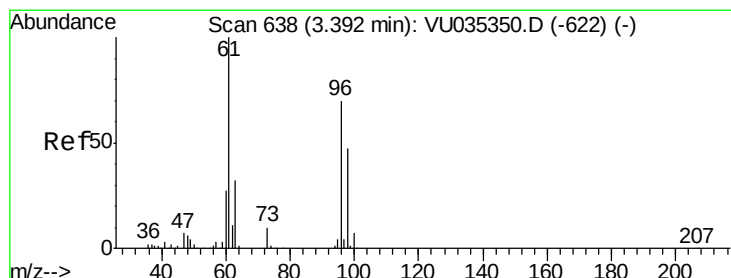
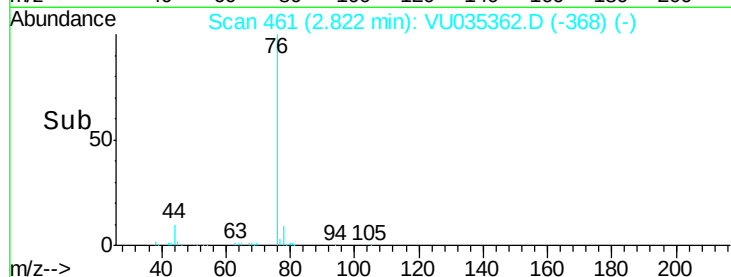
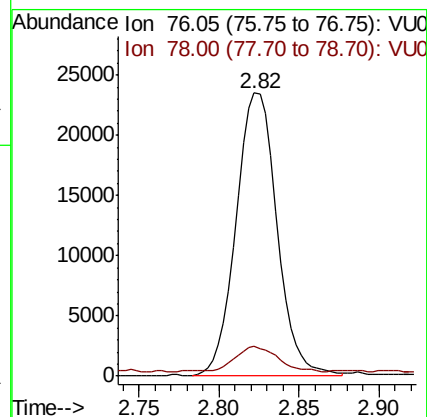
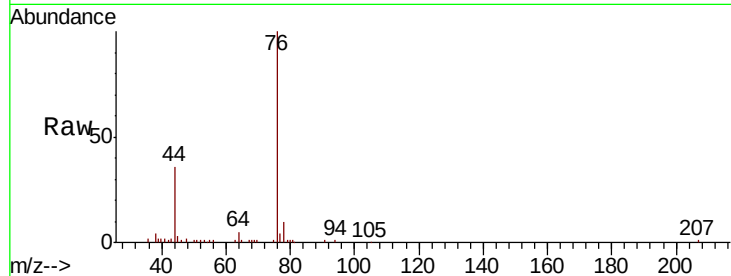
78 10.4 7.6 11.4

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#18

trans-1,2-Dichloroethene

Concen: 10.593 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035362.D

Acq: 22 Oct 2019 14:00

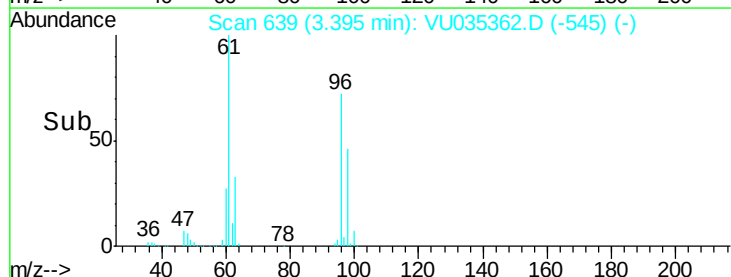
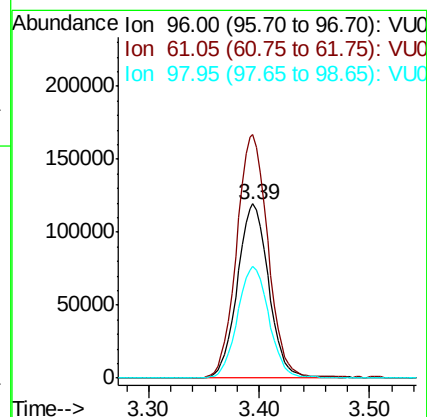
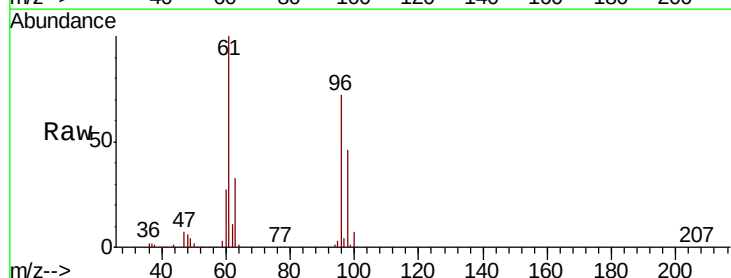
Tgt Ion: 96 Resp: 235072

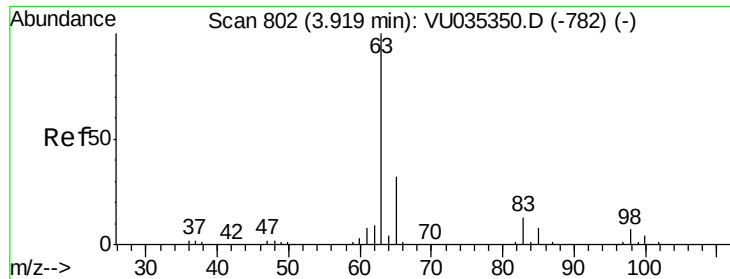
Ion Ratio Lower Upper

96 100

61 139.7 93.0 172.6

98 63.9 43.7 81.1





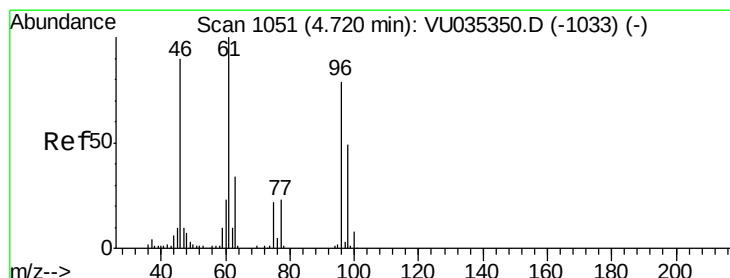
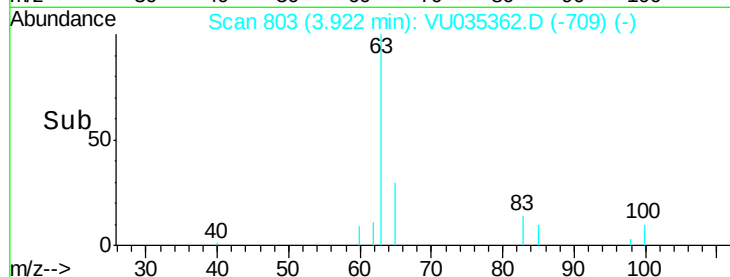
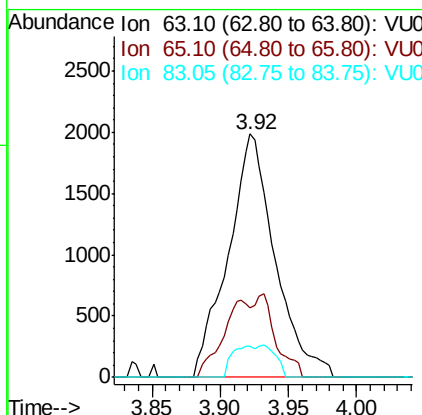
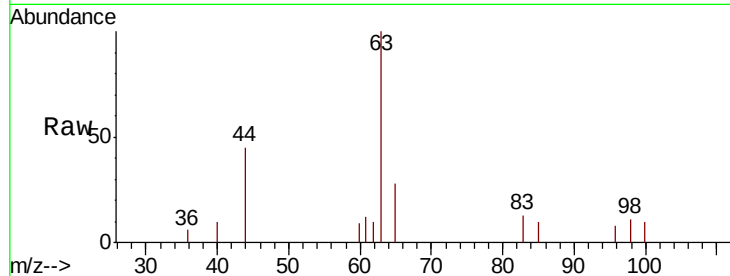
#19  
 1,1-Dichloroethane  
 Concen: 0.118 ug/L  
 RT: 3.92 min Scan# 803  
 Delta R.T. 0.00 min  
 Lab File: VU035362.D  
 Acq: 22 Oct 2019 14:00

Instrument :  
 MSVOA\_U  
 ClientSampled :  
 H0G71

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 28.3  | 22.4  | 41.6  |
| 83      | 12.9  | 9.3   | 17.3  |

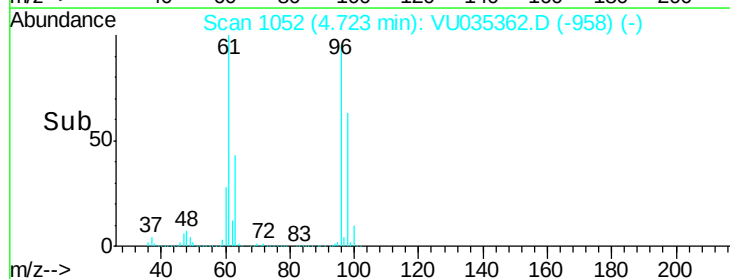
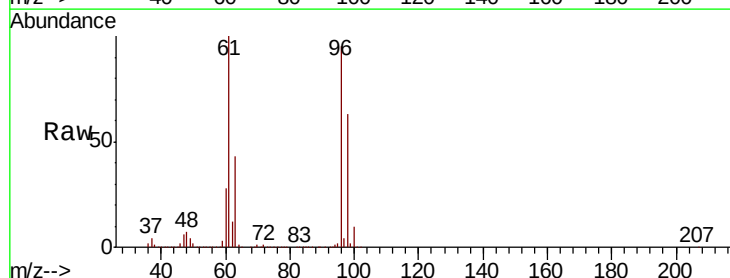
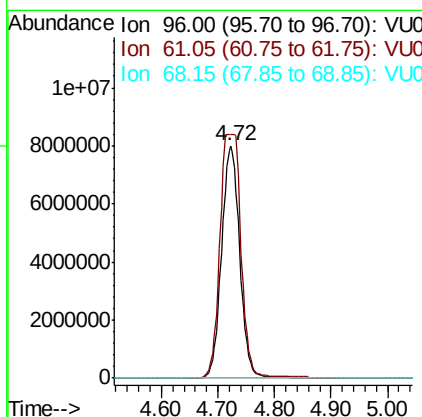
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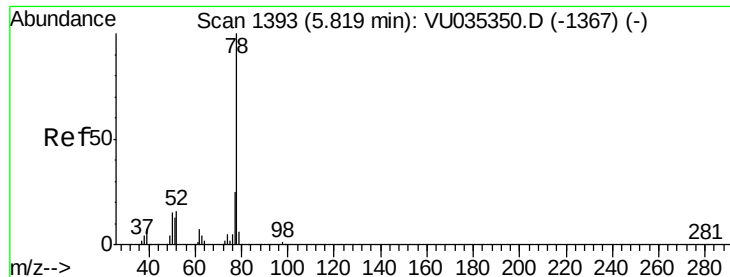
MMDadoda  
 10/23/2019 11:32:20 AM



#22  
 cis-1,2-Dichloroethene  
 Concen: 729.333 ug/L  
 RT: 4.72 min Scan# 1052  
 Delta R.T. 0.00 min  
 Lab File: VU035362.D  
 Acq: 22 Oct 2019 14:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 104.8 | 89.7  | 166.5 |
| 68      | 0.0   | 0.0   | 0.0   |





#33

Benzene

Concen: 0.502 ug/L m

RT: 5.82 min Scan# 1394

Delta R.T. 0.00 min

Lab File: VU035362.D

Acq: 22 Oct 2019 14:00

Instrument :

MSVOA\_U

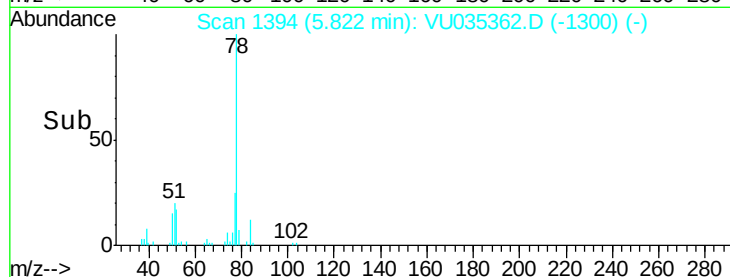
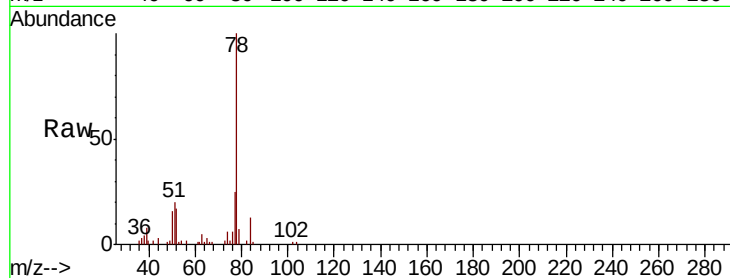
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H0G71

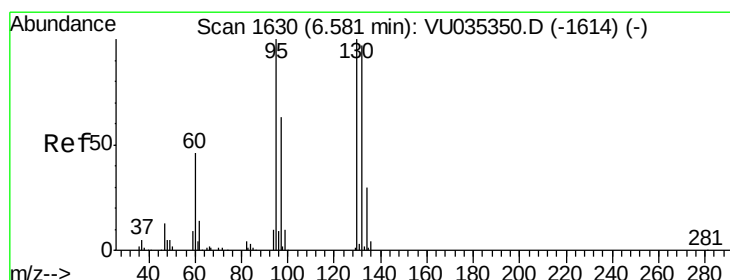
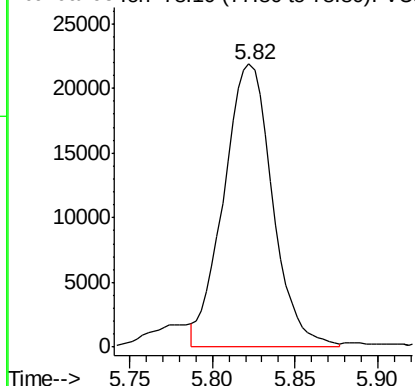
Tgt Ion: 78 Resp: 44963

Manual Integrations  
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10/23/2019 11:32:20 AM



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.868 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035362.D

Acq: 22 Oct 2019 14:00

Tgt Ion: 95 Resp: 20914

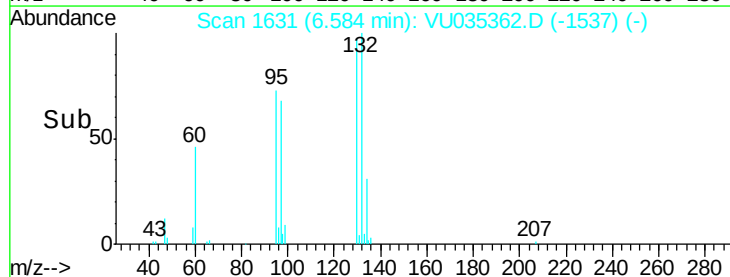
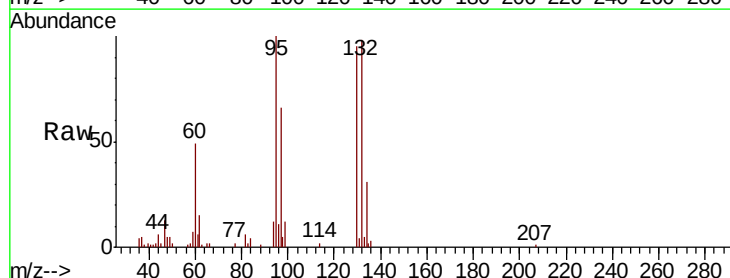
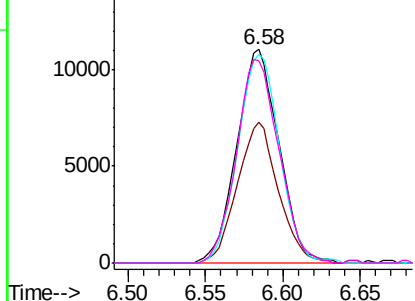
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 66.1  | 46.6  | 86.6  |
| 132 | 97.6  | 68.7  | 127.7 |
| 130 | 94.6  | 73.9  | 137.3 |

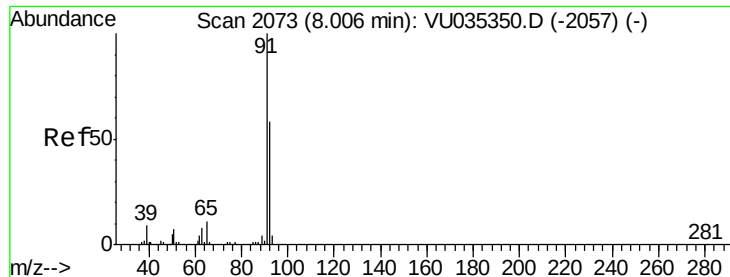
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#42

Toluene

Concen: 2.121 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035362.D

Acq: 22 Oct 2019 14:00

Instrument :

MSVOA\_U

ClientSampleId :

H0G71

Tot Ion: 91 Resp: 209753

Ion Ratio Lower Upper

91 100

92 56.5 39.9 74.1

Manual Integrations

APPROVED

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10/23/2019 11:32:20 AM

