

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051419\  
 Data File : VU031995.D  
 Acq On : 14 May 2019 15:28  
 Operator : JC/SP  
 Sample : K2738-03  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB845

Manual Integrations  
 APPROVED

MMDadoda  
 5/15/2019 10:13:46 AM

Quant Time: May 15 04:52:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM051419WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed May 15 04:26:34 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 1049130  | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 1099041  | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 497087   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 388644   | 42.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 84.42%  |
| 7) Chloroethane-d5             | 1.65    | 69    | 325021   | 43.60    | ug/L | -0.02   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 87.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 654666   | 39.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 79.34%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 628880   | 97.55    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 97.55%  |
| 24) Chloroform-d               | 4.64    | 84    | 663621   | 43.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.12%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 430622   | 44.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.74%  |
| 32) Benzene-d6                 | 5.33    | 84    | 1407209  | 44.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.46%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 462568   | 44.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 88.12%  |
| 41) Toluene-d8                 | 7.56    | 98    | 1279061  | 44.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.74%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 203045   | 43.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.68%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 462851   | 108.72   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 108.72% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 753676   | 48.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 97.02%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 493007   | 47.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.28%  |

## Target Compounds

| Target Compounds              | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|-------------------------------|------|------|----------|--------|--------|--------|
| 5) Vinyl chloride             | 1.40 | 62   | 411466   | 36.413 | ug/L   | 98     |
| 8) Chloroethane               | 1.67 | 64   | 347003   | 51.899 | ug/L   | 99     |
| 12) 1,1-Dichloroethene        | 2.27 | 96   | 234454m  | 30.259 | ug/L   |        |
| 14) Carbon disulfide          | 2.47 | 76   | 1184245  | 47.317 | ug/L   | 98     |
| 15) Methyl Acetate            | 2.61 | 43   | 587354   | 58.366 | ug/L # | 100    |
| 16) Methylene chloride        | 2.69 | 84   | 276935   | 29.308 | ug/L   | 99     |
| 18) Methyl tert-butyl Ether   | 2.99 | 73   | 980069   | 39.570 | ug/L   | 99     |
| 19) 1,1-Dichloroethane        | 3.44 | 63   | 313913   | 19.833 | ug/L   | 99     |
| 20) cis-1,2-Dichloroethene    | 4.22 | 96   | 174701   | 19.595 | ug/L   | 96     |
| 27) 1,2-Dichloroethane        | 5.40 | 62   | 681533   | 56.291 | ug/L   | 98     |
| 30) 1,1,1-Trichloroethane     | 4.91 | 97   | 466176   | 36.581 | ug/L   | 98     |
| 34) Trichloroethene           | 6.18 | 95   | 555833   | 62.345 | ug/L   | 98     |
| 37) 1,2-Dichloropropane       | 6.43 | 63   | 214385   | 22.172 | ug/L   | 99     |
| 40) 4-Methyl-2-pentanone      | 7.46 | 43   | 646841   | 49.305 | ug/L   | 100    |
| 42) Toluene                   | 7.63 | 91   | 1077799  | 29.175 | ug/L   | 100    |
| 44) trans-1,3-Dichloropropene | 7.88 | 75   | 188778   | 15.658 | ug/L   | 100    |
| 45) 1,1,2-Trichloroethane     | 8.06 | 97   | 344253   | 38.828 | ug/L   | 98     |

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 Sample : K2738-03  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB845

Manual Integrations  
 APPROVED

MMDadoda  
 5/15/2019 10:13:46 AM

Quant Time: May 15 04:52:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM051419WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed May 15 04:26:34 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| -----                          |       |      |          |        |       |          |
| 46) Tetrachloroethene          | 8.22  | 164  | 209399   | 33.267 | ug/L  | 96       |
| 48) 2-Hexanone                 | 8.36  | 43   | 555110   | 52.133 | ug/L  | 99       |
| 50) 1,2-Dibromoethane          | 8.58  | 107  | 346759   | 36.958 | ug/L  | 98       |
| 51) Chlorobenzene              | 9.12  | 112  | 1109210  | 47.289 | ug/L  | 100      |
| 52) Ethylbenzene               | 9.24  | 91   | 2346637  | 59.359 | ug/L  | 100      |
| 53) m,p-Xylene                 | 9.37  | 106  | 619577   | 42.946 | ug/L  | 98       |
| 54) o-xylene                   | 9.77  | 106  | 294722   | 20.690 | ug/L  | 99       |
| 55) Styrene                    | 9.79  | 104  | 834737   | 34.137 | ug/L  | 98       |
| 56) Isopropylbenzene           | 10.16 | 105  | 1483488  | 40.645 | ug/L  | 100      |
| 58) 1,1,2,2-Tetrachloroethane  | 10.45 | 83   | 1091682  | 68.216 | ug/L  | 99       |
| 61) Bromoform                  | 9.95  | 173  | 119454   | 18.005 | ug/L  | 99       |
| 62) 1,3-Dichlorobenzene        | 11.41 | 146  | 318038   | 19.555 | ug/L  | 98       |
| 63) 1,4-Dichlorobenzene        | 11.50 | 146  | 667230   | 38.786 | ug/L  | 100      |
| 65) 1,2-Dichlorobenzene        | 11.87 | 146  | 1034530  | 60.026 | ug/L  | 100      |
| 66) 1,2-Dibromo-3-chloropropan | 12.65 | 75   | 242179   | 72.737 | ug/L  | 98       |
| 70) 1,2,3-Trichlorobenzene     | 13.98 | 180  | 341694   | 34.940 | ug/L  | 98       |
| -----                          |       |      |          |        |       |          |

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

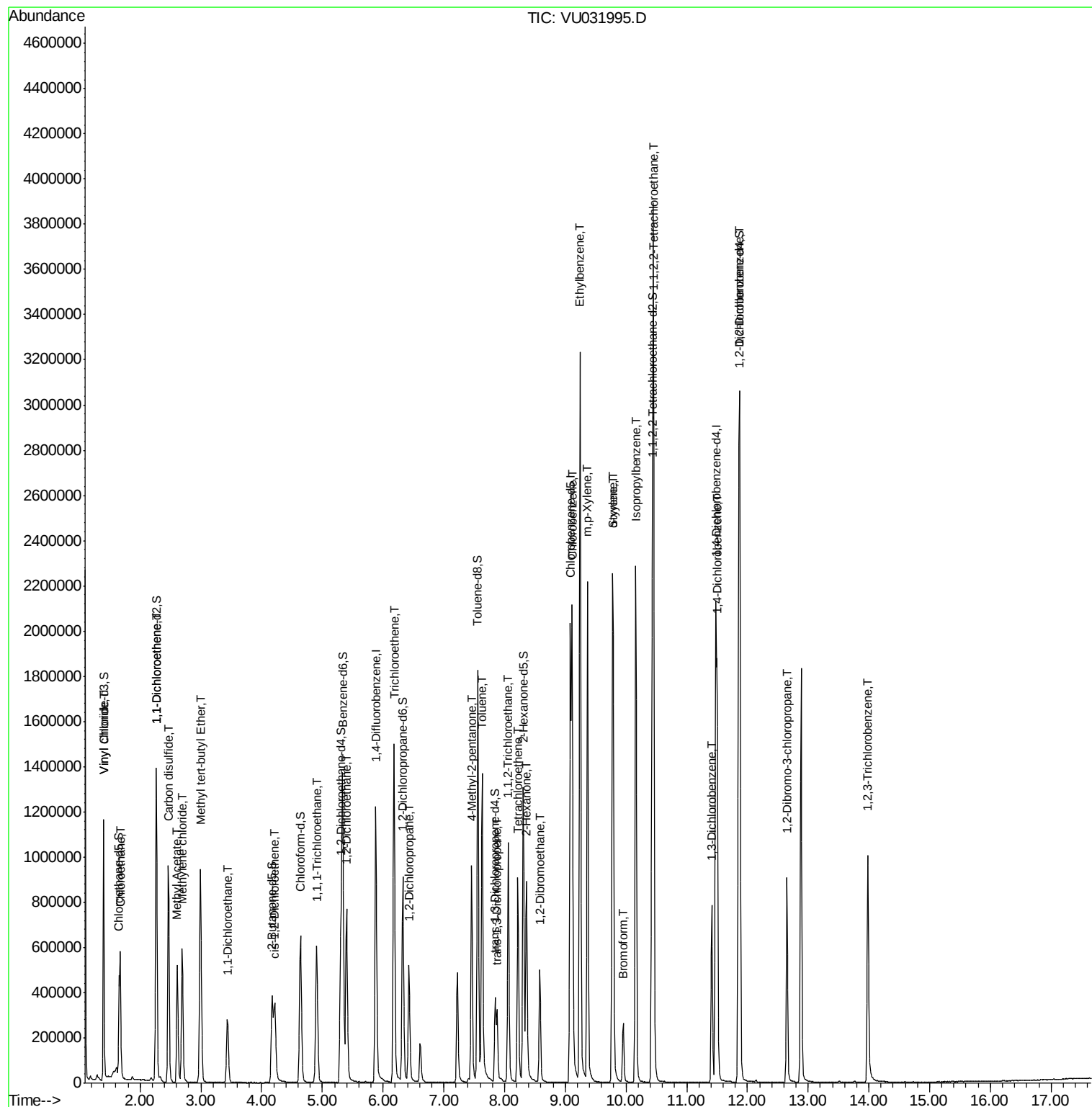
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051419\  
Data File : VU031995.D  
Acq On : 14 May 2019 15:28  
Operator : JC/SP  
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Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 15 Sample Multiplier: 1

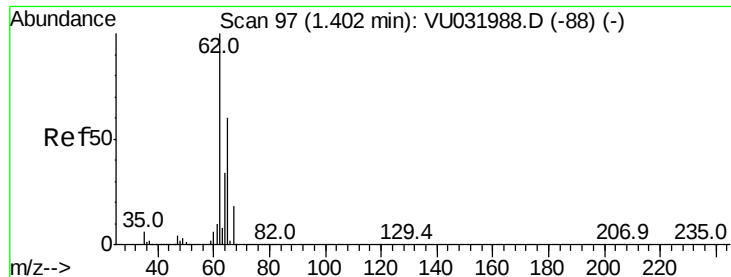
Instrument :  
MSVOA\_U  
ClientSampleId :  
DB845

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Quant Time: May 15 04:52:13 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM051419WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed May 15 04:26:34 2019  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 36.413 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU031995.D

Acq: 14 May 2019 15:28

Instrument :

MSVOA\_U

ClientSampleId :

DB845

Tot Ion: 62 Resp: 411466

Ion Ratio Lower Upper

62 100

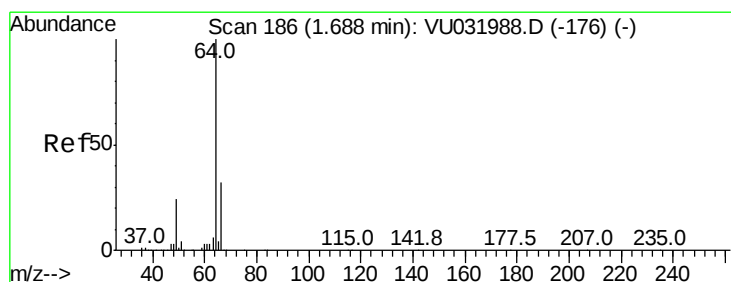
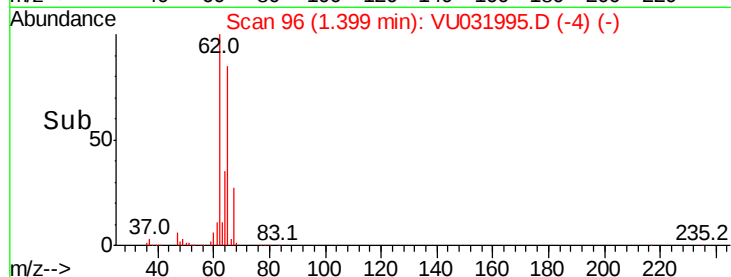
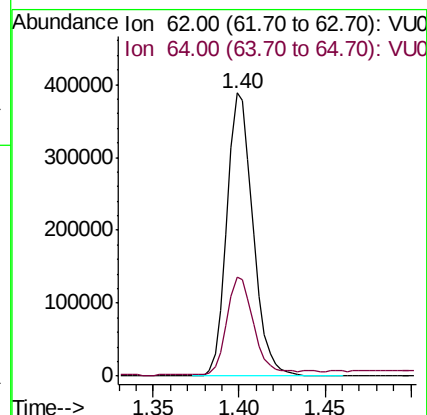
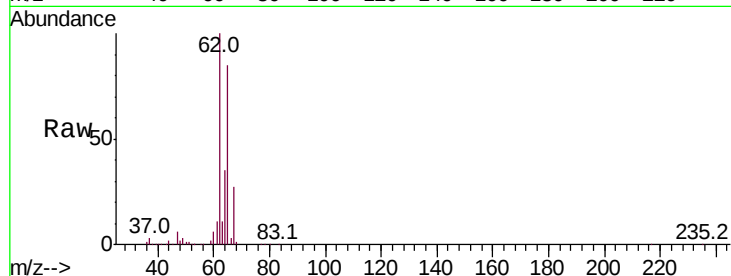
64 34.9 23.6 43.8

Manual Integrations

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5/15/2019 10:13:46 AM



#8

Chloroethane

Concen: 51.899 ug/L

RT: 1.67 min Scan# 181

Delta R.T. -0.02 min

Lab File: VU031995.D

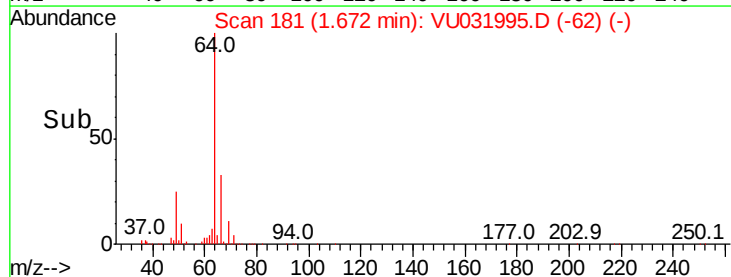
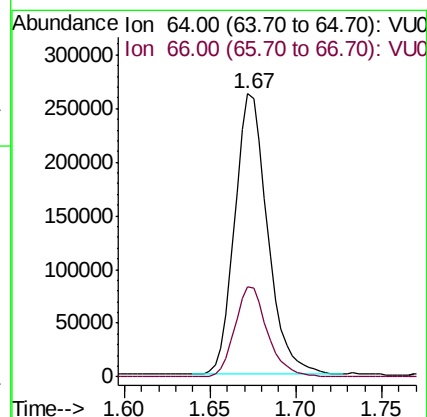
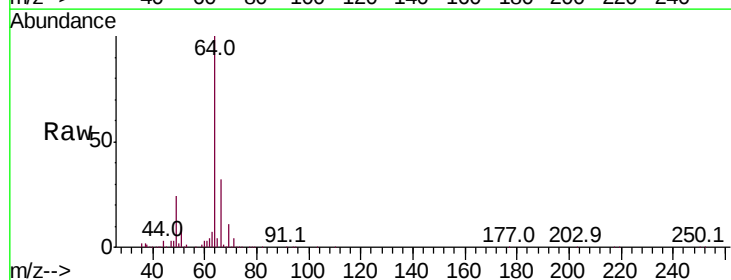
Acq: 14 May 2019 15:28

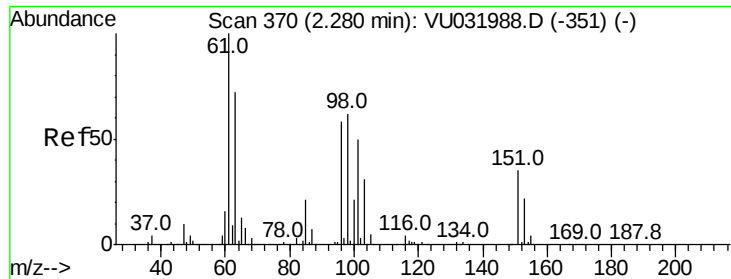
Tgt Ion: 64 Resp: 347003

Ion Ratio Lower Upper

64 100

66 31.7 22.7 42.1





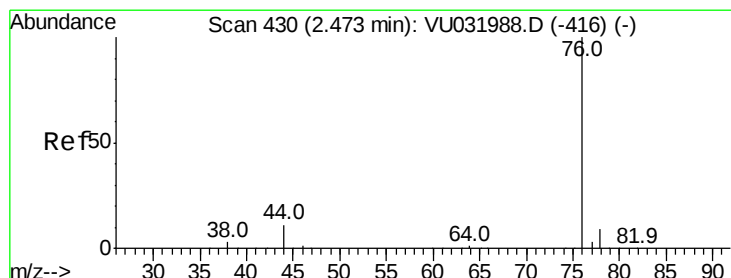
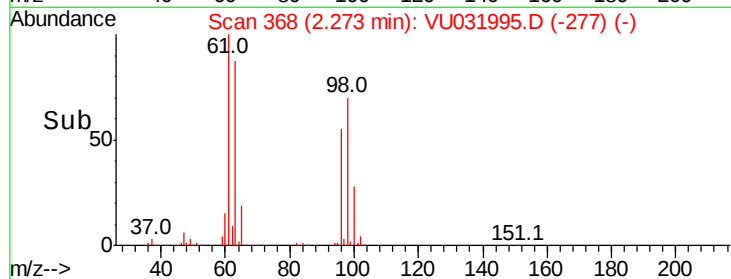
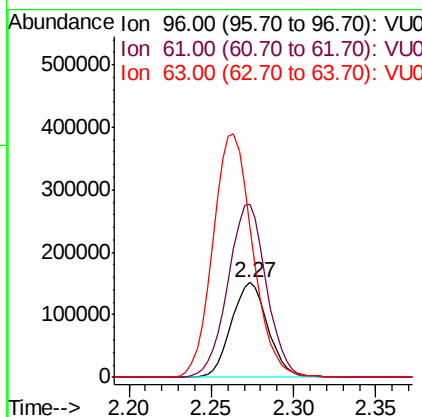
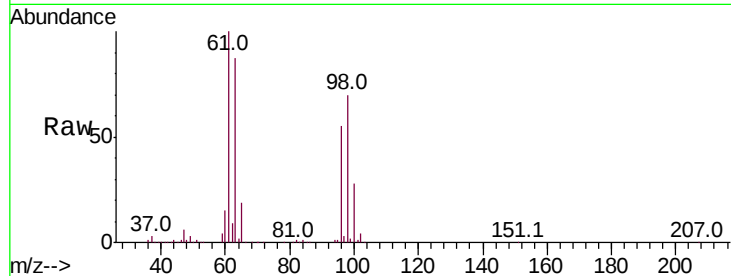
#12  
 1,1-Dichloroethene  
 Concen: 30.259 ug/L m  
 RT: 2.27 min Scan# 368  
 Delta R.T. -0.01 min  
 Lab File: VU031995.D  
 Acq: 14 May 2019 15:28

Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 DB845

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 96      | 100   |       |        |
| 61      | 182.8 | 120.9 | 224.5  |
| 63      | 158.9 | 84.4  | 156.8# |

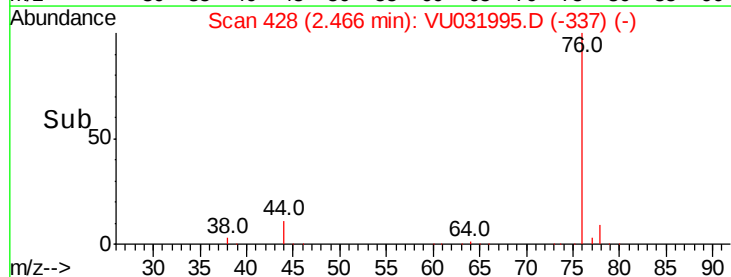
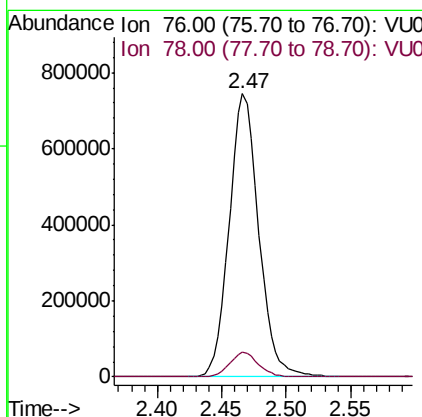
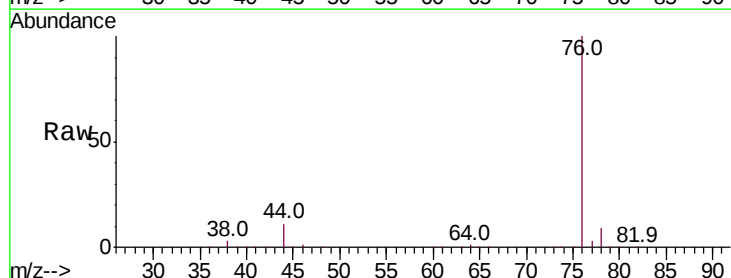
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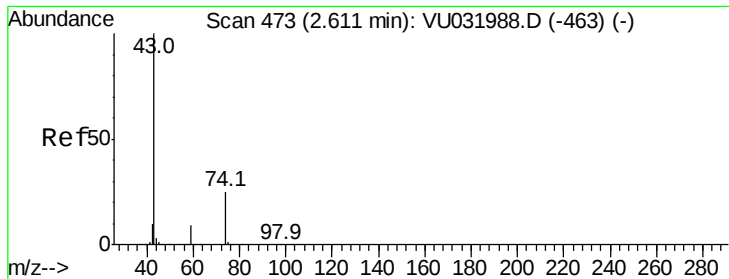
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 5/15/2019 10:13:46 AM



#14  
 Carbon disulfide  
 Concen: 47.317 ug/L  
 RT: 2.47 min Scan# 428  
 Delta R.T. -0.01 min  
 Lab File: VU031995.D  
 Acq: 14 May 2019 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.6   | 7.4   | 11.2  |





#15

Methvl Acetate

Concen: 58.366 ug/L

RT: 2.61 min Scan# 473

Delta R.T. 0.00 min

Lab File: VU031995.D

Acq: 14 May 2019 15:28

Instrument :

MSVOA\_U

ClientSampleId :

DB845

Tot Ion: 43 Resp: 587354

Ion Ratio Lower Upper

43 100

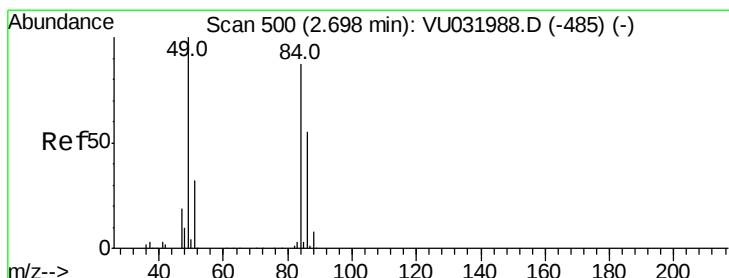
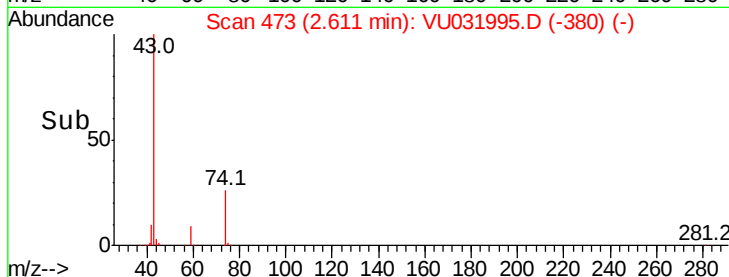
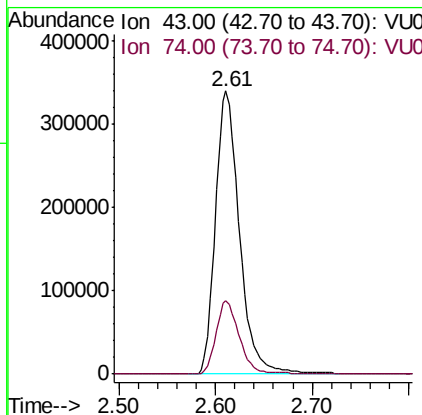
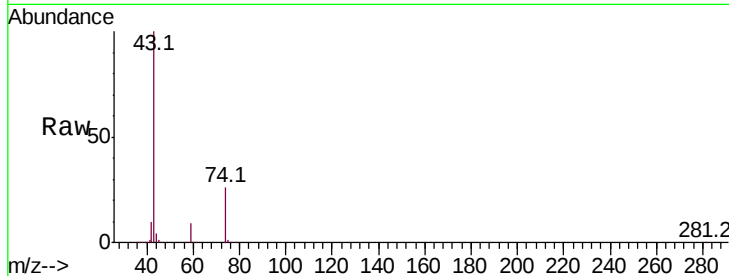
74 24.9 0.0 0.0#

Manual Integrations

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5/15/2019 10:13:46 AM



#16

Methylene chloride

Concen: 29.308 ug/L

RT: 2.69 min Scan# 498

Delta R.T. -0.01 min

Lab File: VU031995.D

Acq: 14 May 2019 15:28

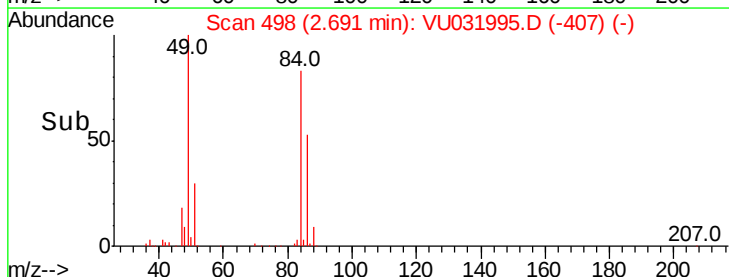
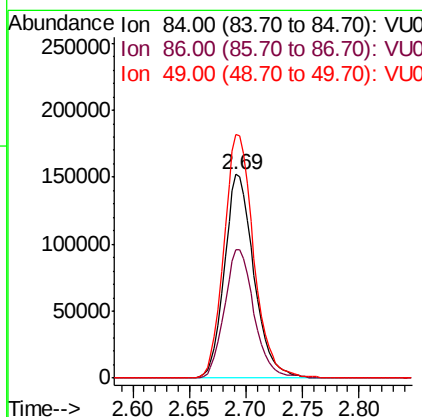
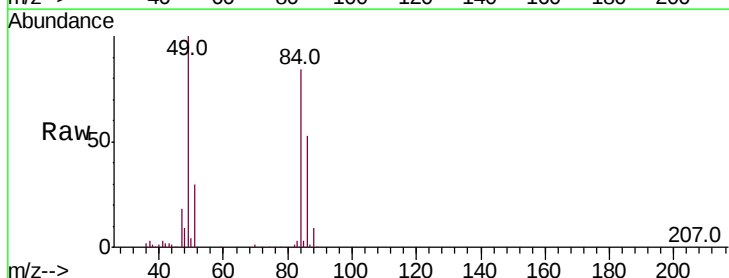
Tgt Ion: 84 Resp: 276935

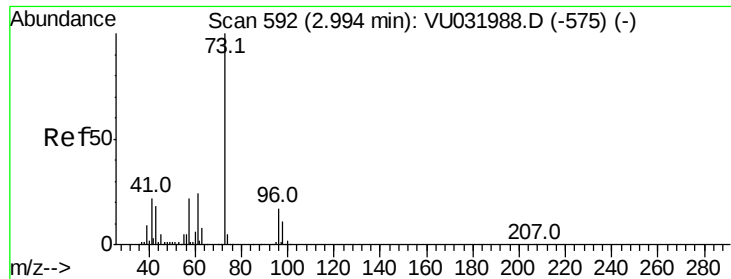
Ion Ratio Lower Upper

84 100

86 63.1 45.8 85.0

49 119.7 83.3 154.7





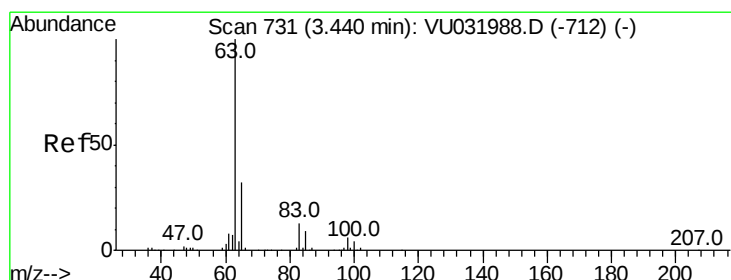
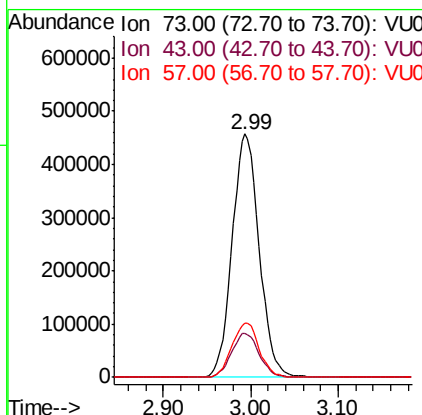
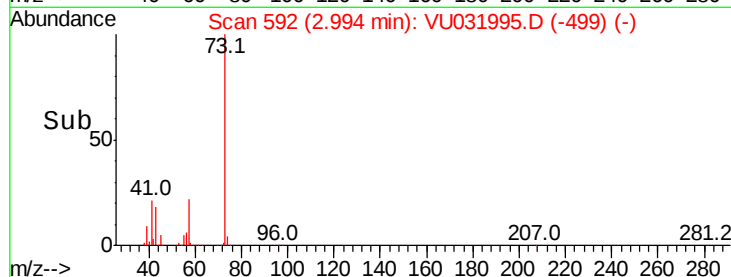
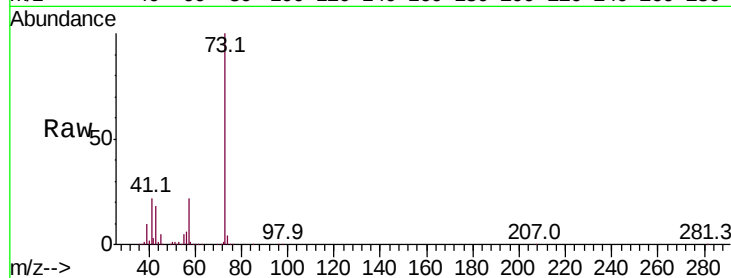
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Methvl tert-butvl Ether  
Concen: 39.570 ug/L  
RT: 2.99 min Scan# 592  
Delta R.T. 0.00 min  
Lab File: VU031995.D  
Acq: 14 May 2019 15:28

Instrument :  
MSVOA\_U  
ClientSampleId :  
DB845

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 43      | 18.4  | 15.1  | 22.7  |
| 57      | 22.6  | 18.2  | 27.4  |

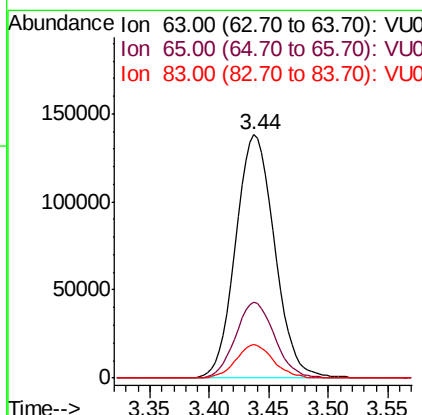
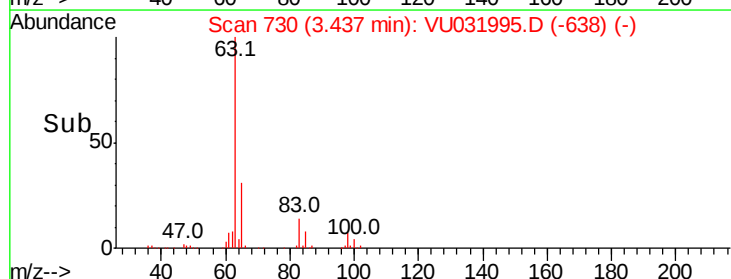
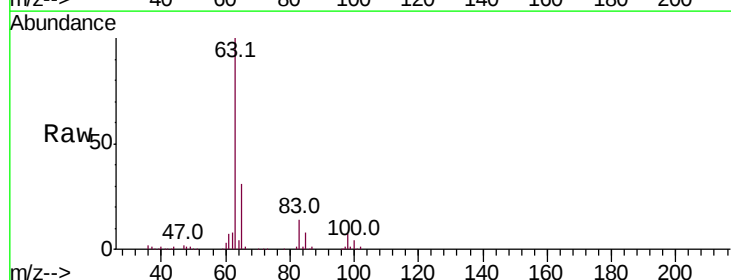
Manual Integrations  
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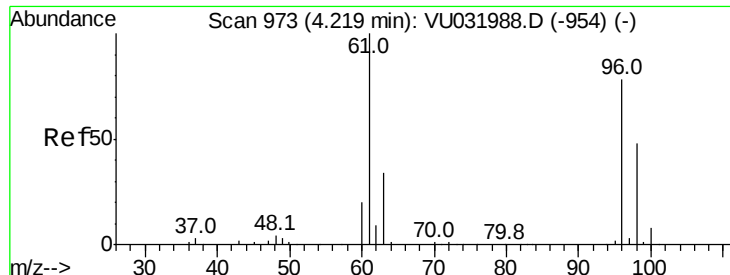
MMDadoda  
5/15/2019 10:13:46 AM



#19  
1,1-Dichloroethane  
Concen: 19.833 ug/L  
RT: 3.44 min Scan# 730  
Delta R.T. -0.00 min  
Lab File: VU031995.D  
Acq: 14 May 2019 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.1  | 22.2  | 41.2  |
| 83      | 13.7  | 9.2   | 17.2  |





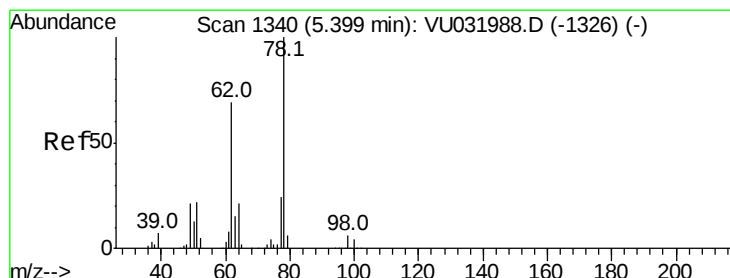
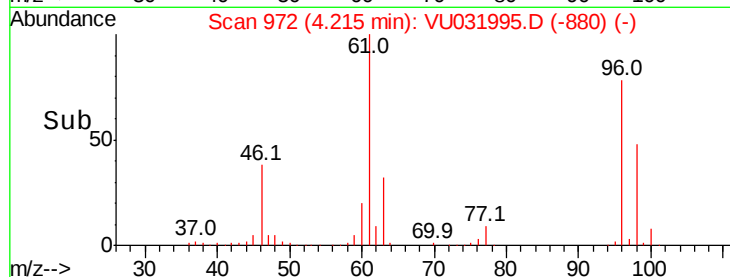
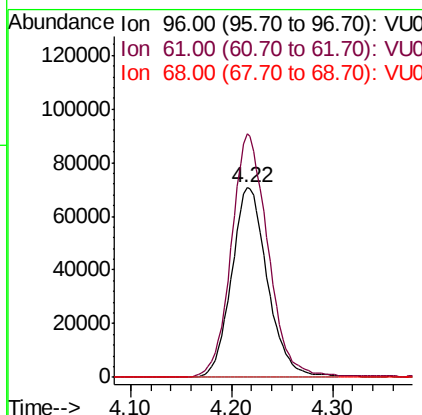
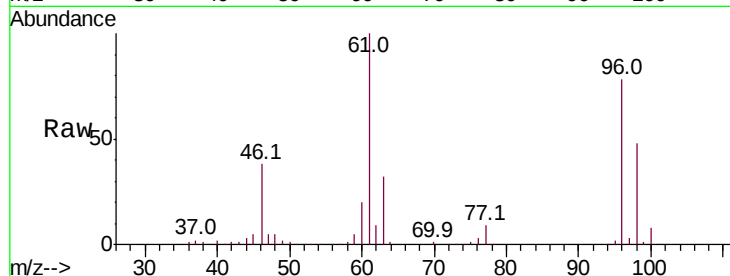
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 cis-1,2-Dichloroethene  
 Concen: 19.595 ug/L  
 RT: 4.22 min Scan# 972  
 Delta R.T. -0.00 min  
 Lab File: VU031995.D  
 Acq: 14 May 2019 15:28

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB845

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 128.3 | 93.0  | 172.8 |
| 68      | 0.0   | 0.0   | 0.0   |

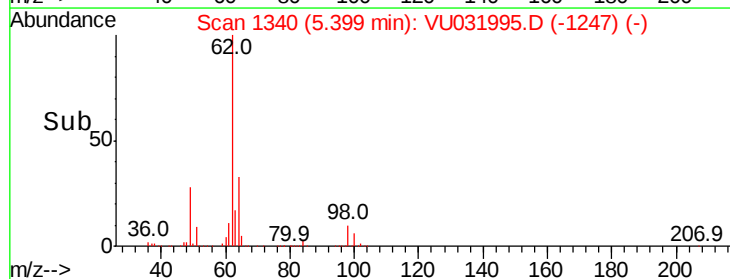
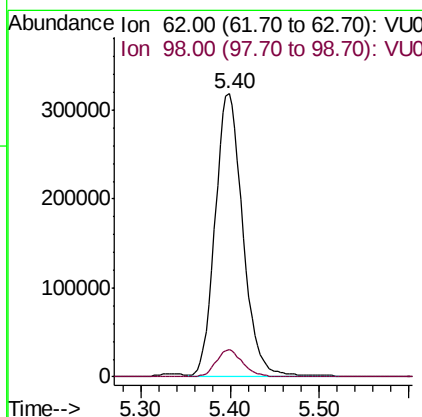
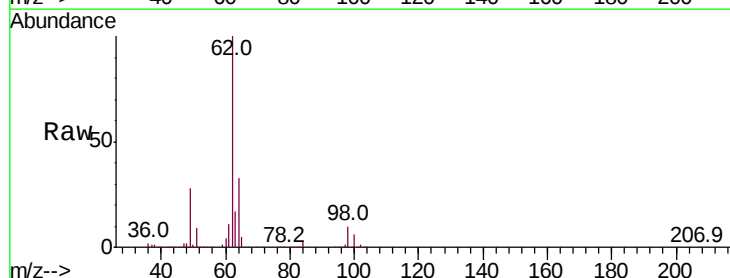
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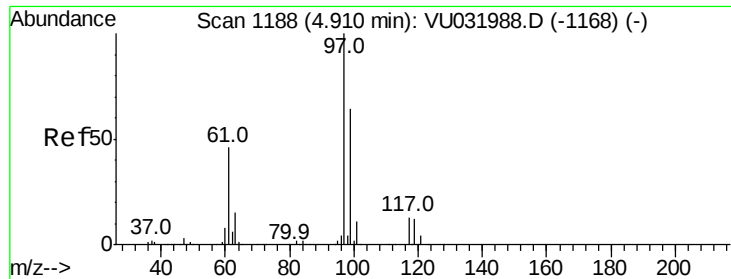
MMDadoda  
 5/15/2019 10:13:46 AM



#27  
 1,2-Dichloroethane  
 Concen: 56.291 ug/L  
 RT: 5.40 min Scan# 1340  
 Delta R.T. 0.00 min  
 Lab File: VU031995.D  
 Acq: 14 May 2019 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 9.6   | 7.2   | 10.8  |





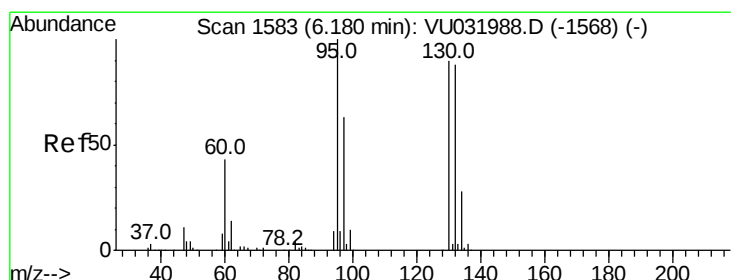
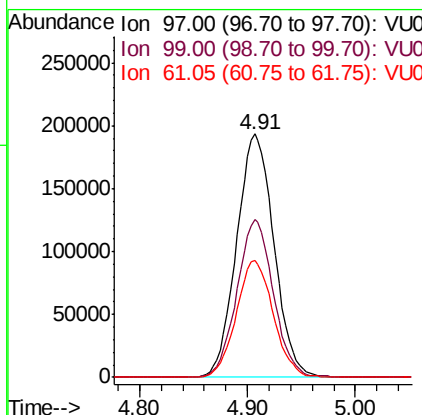
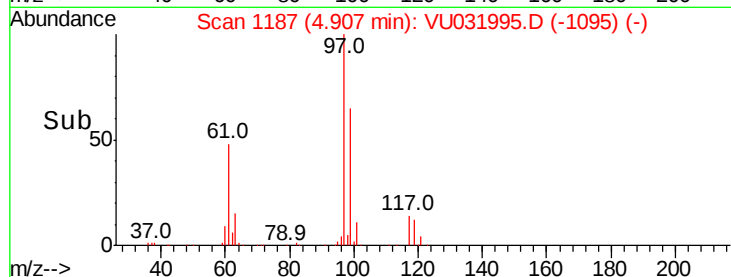
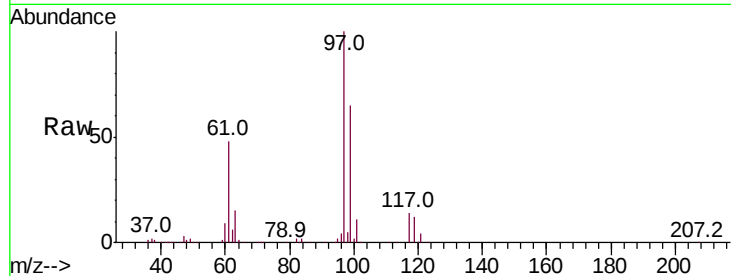
#30  
 1,1,1-Trichloroethane  
 Concen: 36.581 ug/L  
 RT: 4.91 min Scan# 1187  
 Delta R.T. -0.00 min  
 Lab File: VU031995.D  
 Acq: 14 May 2019 15:28

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB845

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 97      | 100   | 466176 |       |       |
| 99      | 62.9  |        | 51.8  | 77.8  |
| 61      | 47.5  |        | 37.5  | 56.3  |

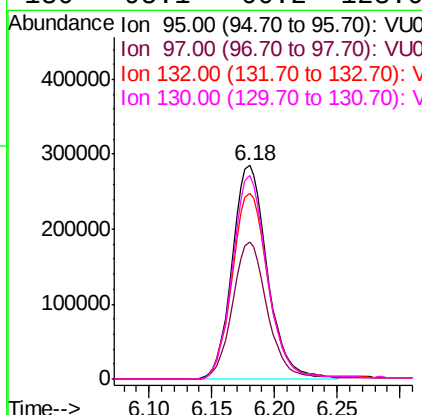
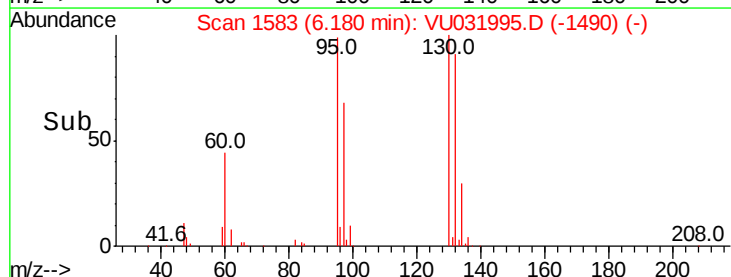
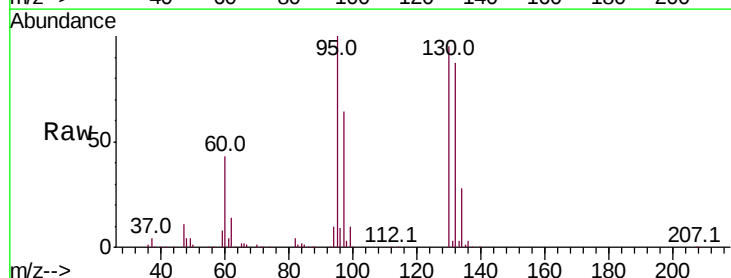
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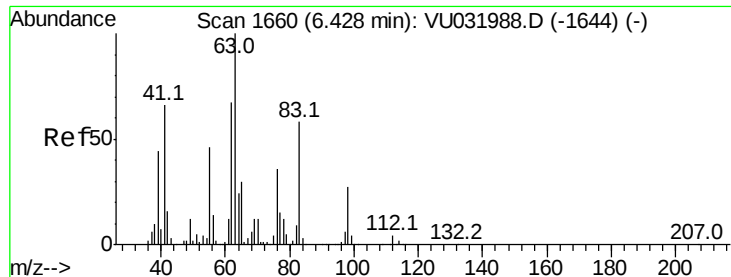
MMDadoda  
 5/15/2019 10:13:46 AM



#34  
 Trichloroethene  
 Concen: 62.345 ug/L  
 RT: 6.18 min Scan# 1583  
 Delta R.T. 0.00 min  
 Lab File: VU031995.D  
 Acq: 14 May 2019 15:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 555833 |       |       |
| 97      | 64.2  |        | 44.9  | 83.3  |
| 132     | 87.0  |        | 63.5  | 117.9 |
| 130     | 95.1  |        | 66.2  | 123.0 |





#37

1,2-Dichloropropane

Concen: 22.172 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU031995.D

Acq: 14 May 2019 15:28

Instrument :

MSVOA\_U

ClientSampleId :

DB845

Tot Ion: 63 Resp: 214385

Ion Ratio Lower Upper

63 100

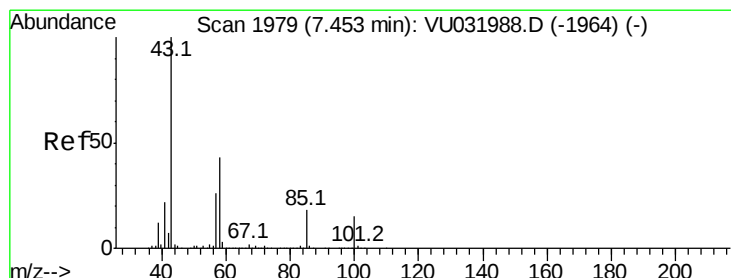
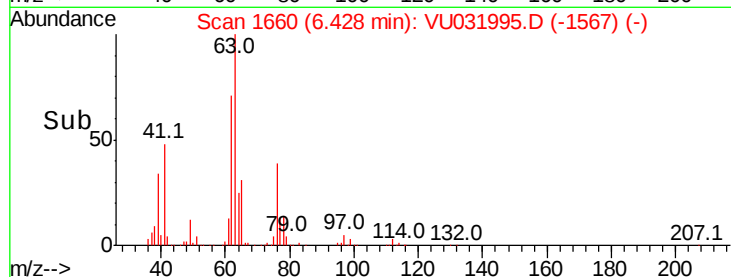
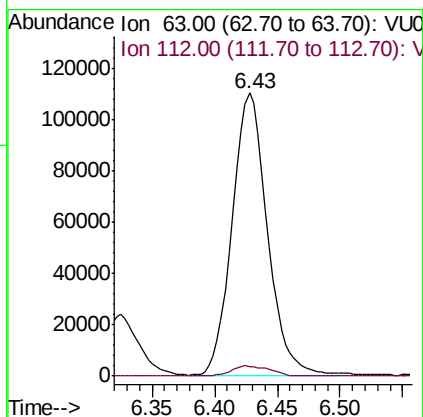
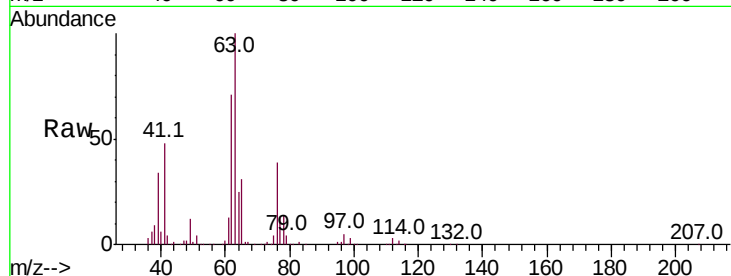
112 4.0 3.0 4.4

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#40

4-Methyl-2-pentanone

Concen: 49.305 ug/L

RT: 7.46 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VU031995.D

Acq: 14 May 2019 15:28

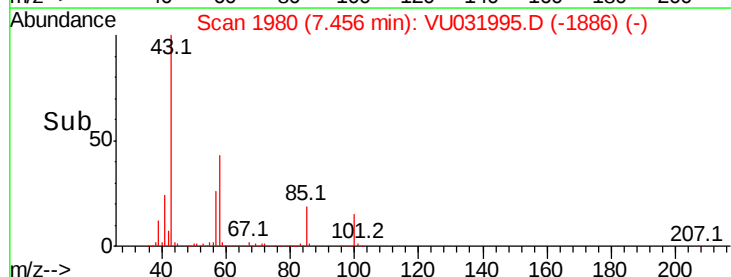
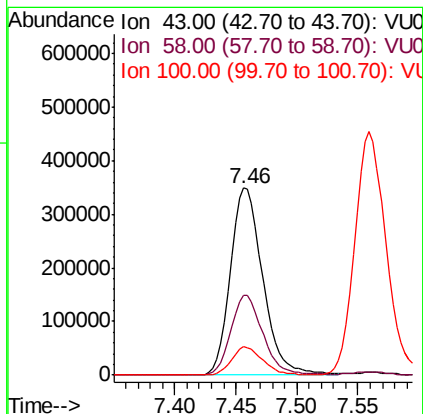
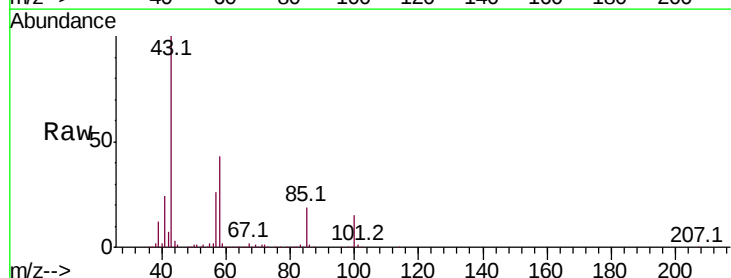
Tgt Ion: 43 Resp: 646841

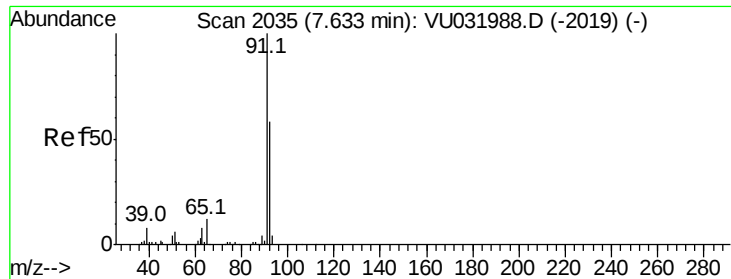
Ion Ratio Lower Upper

43 100

58 42.2 33.6 50.4

100 14.5 11.8 17.8





#42

Toluene

Concen: 29.175 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031995.D

Acq: 14 May 2019 15:28

Instrument :

MSVOA\_U

ClientSampleId :

DB845

Tot Ion: 91 Resp: 1077799

Ion Ratio Lower Upper

91 100

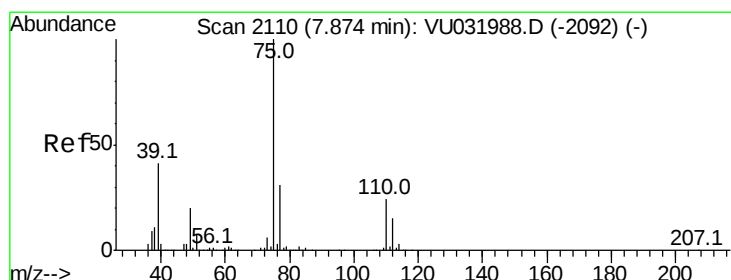
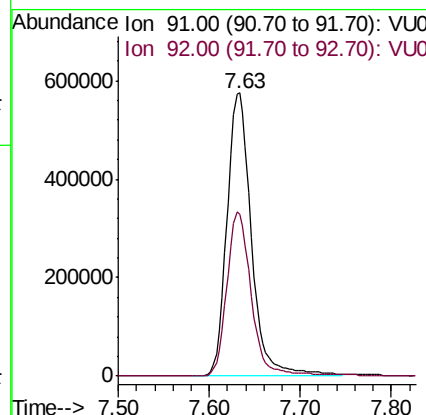
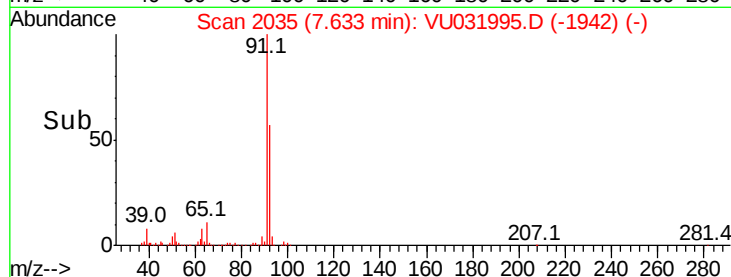
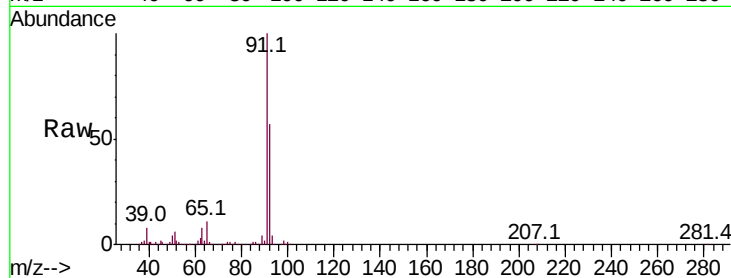
92 57.2 40.2 74.6

Manual Integrations

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#44

trans-1,3-Dichloropropene

Concen: 15.658 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU031995.D

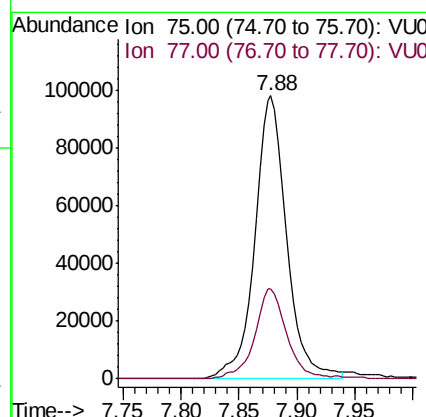
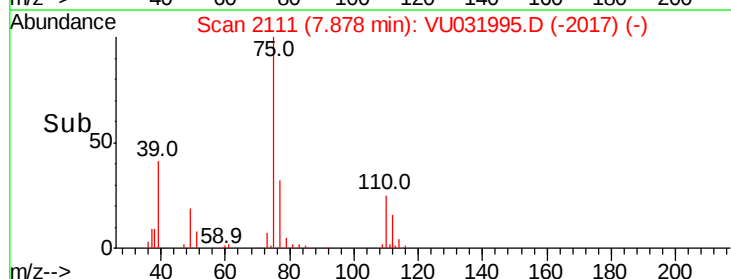
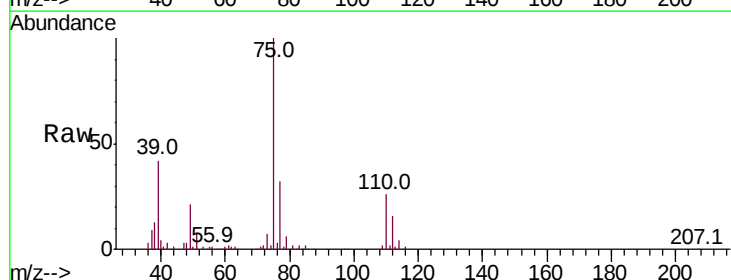
Acq: 14 May 2019 15:28

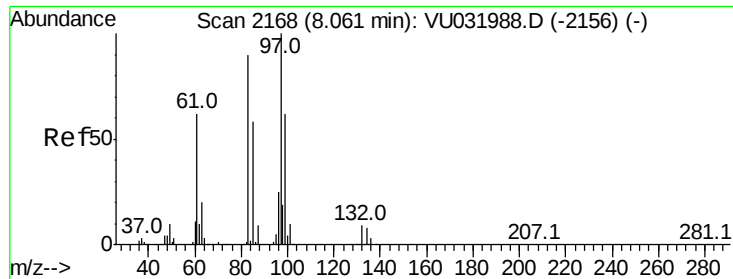
Tgt Ion: 75 Resp: 188778

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.7





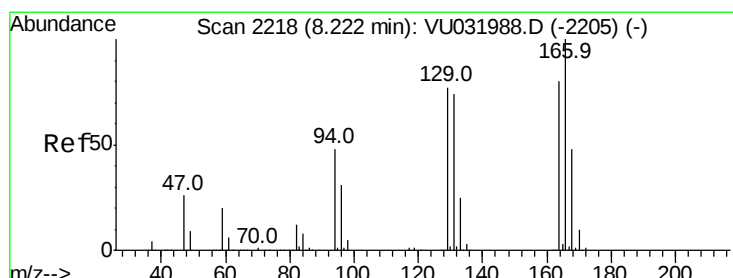
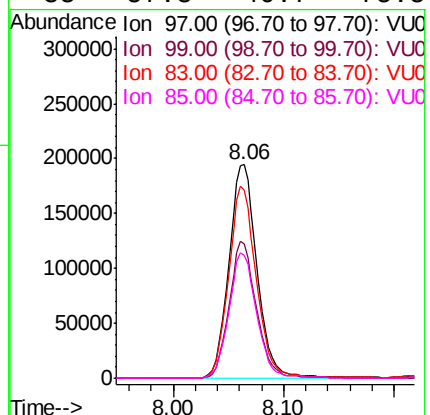
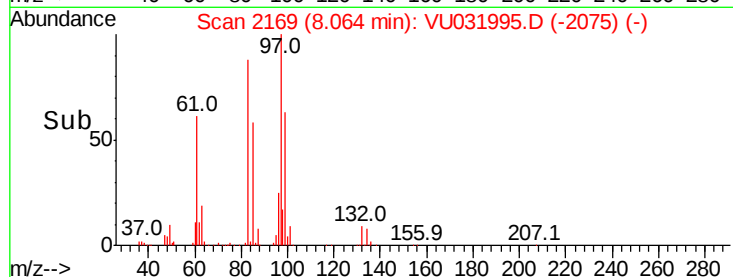
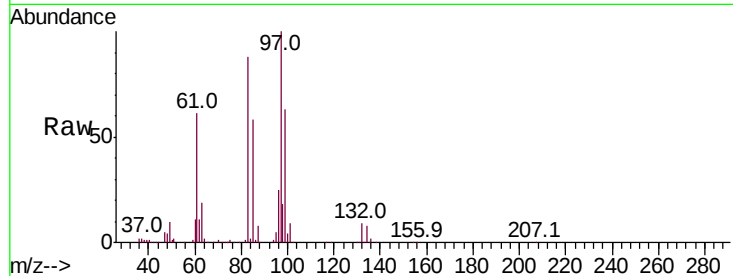
#45  
1,1,2-Trichloroethane  
Concen: 38.828 ug/L  
RT: 8.06 min Scan# 2169  
Delta R.T. 0.00 min  
Lab File: VU031995.D  
Acq: 14 May 2019 15:28

Instrument :  
MSVOA\_U  
ClientSampleId :  
DB845

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 344253 |       |       |
| 99      | 62.9 | 44.4  | 82.4   |       |       |
| 83      | 88.0 | 63.8  | 118.4  |       |       |
| 85      | 57.8 | 40.7  | 75.5   |       |       |

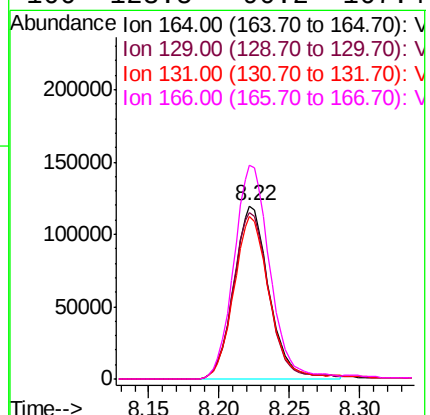
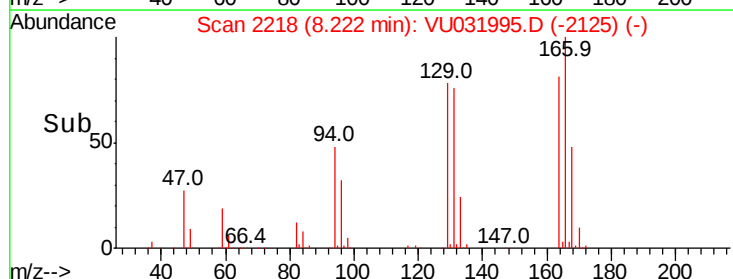
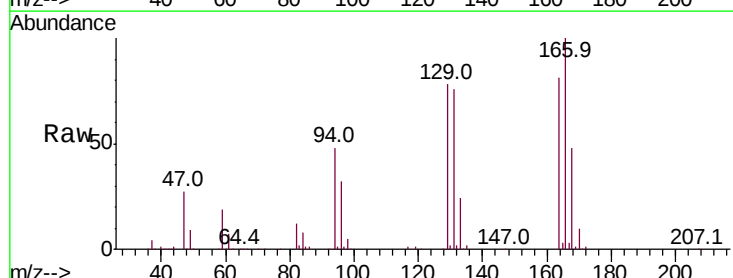
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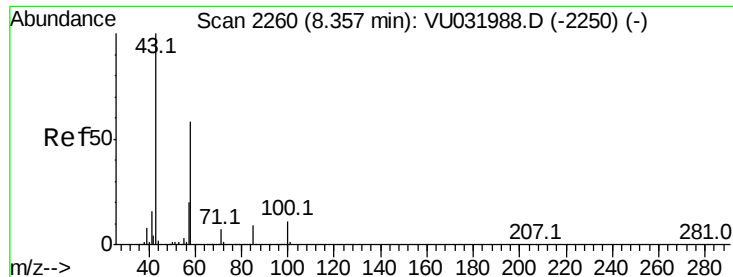
MMDadoda  
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#46  
Tetrachloroethene  
Concen: 33.267 ug/L  
RT: 8.22 min Scan# 2218  
Delta R.T. 0.00 min  
Lab File: VU031995.D  
Acq: 14 May 2019 15:28

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 164     | 100   |       | 209399 |       |       |
| 129     | 96.1  | 70.9  | 131.7  |       |       |
| 131     | 93.6  | 67.4  | 125.2  |       |       |
| 166     | 123.5 | 90.2  | 167.4  |       |       |





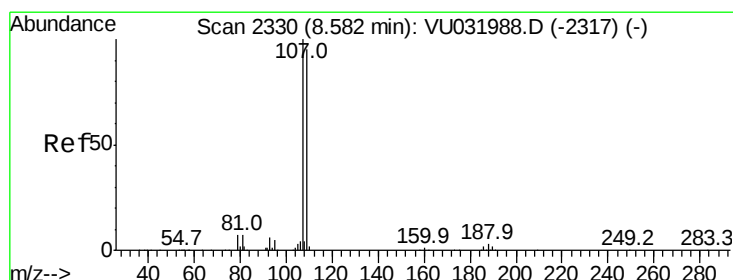
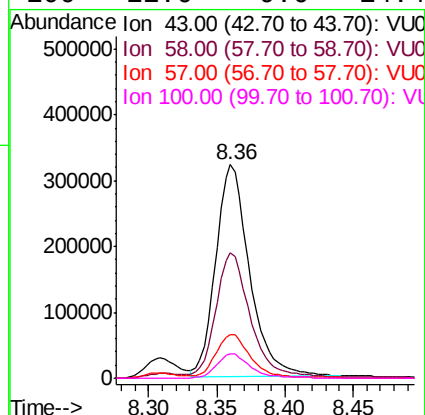
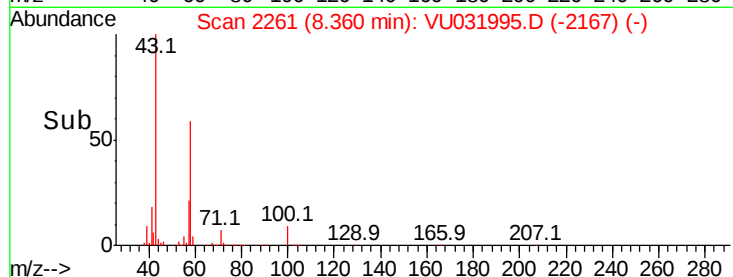
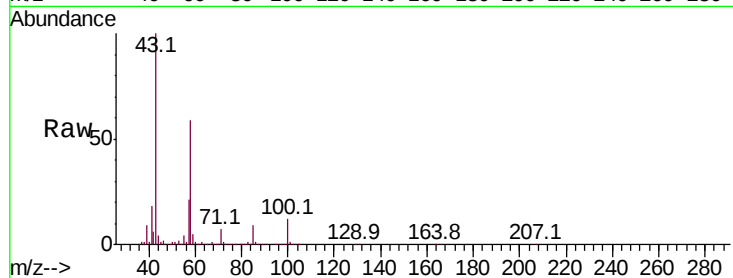
#48  
 2-Hexanone  
 Concen: 52.133 ug/L  
 RT: 8.36 min Scan# 2261  
 Delta R.T. 0.00 min  
 Lab File: VU031995.D  
 Acq: 14 May 2019 15:28

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB845

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 43      | 100  |       |      |       |       |
| 58      | 60.3 | 47.8  | 71.6 |       |       |
| 57      | 21.3 | 16.0  | 24.0 |       |       |
| 100     | 11.6 | 9.6   | 14.4 |       |       |

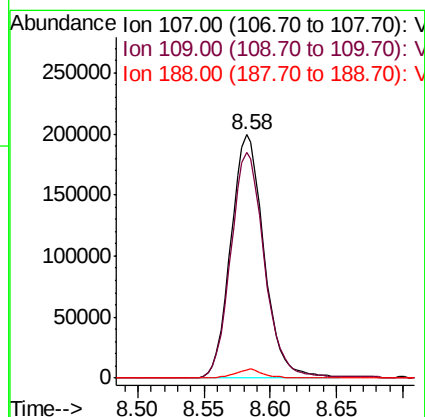
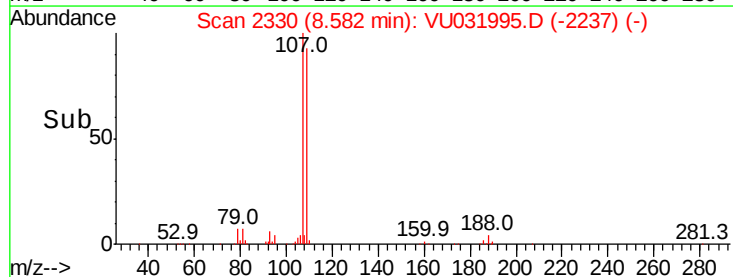
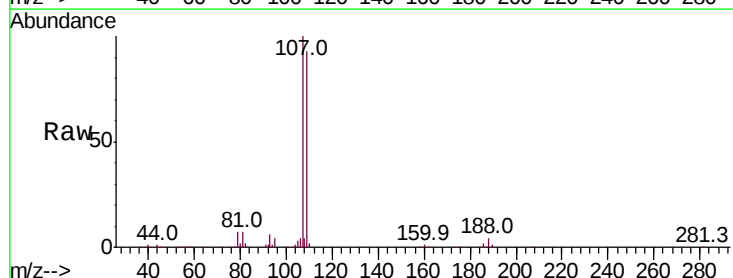
Manual Integrations  
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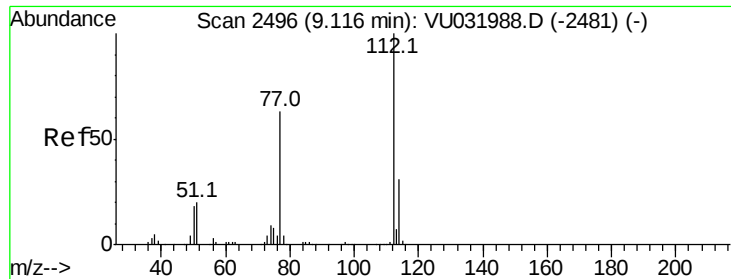
MMDadoda  
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#50  
 1,2-Dibromoethane  
 Concen: 36.958 ug/L  
 RT: 8.58 min Scan# 2330  
 Delta R.T. 0.00 min  
 Lab File: VU031995.D  
 Acq: 14 May 2019 15:28

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 107     | 100  |       |       |       |       |
| 109     | 92.7 | 66.0  | 122.6 |       |       |
| 188     | 3.5  | 2.7   | 4.1   |       |       |





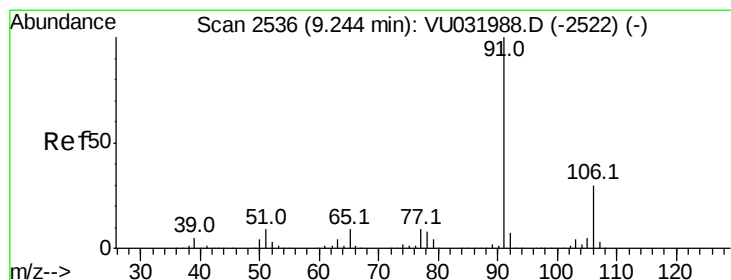
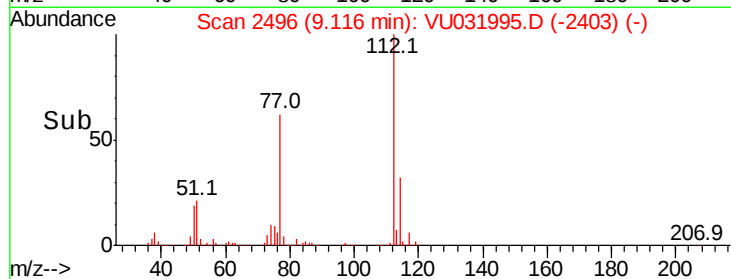
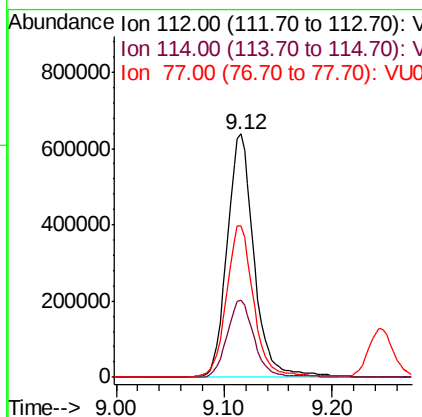
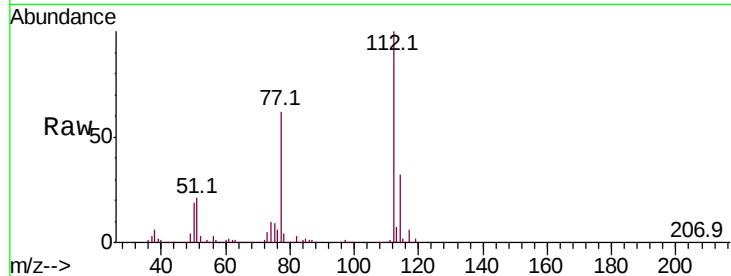
#51  
Chlorobenzene  
Concen: 47.289 ug/L  
RT: 9.12 min Scan# 2496  
Delta R.T. 0.00 min  
Lab File: VU031995.D  
Acq: 14 May 2019 15:28

Instrument :  
MSVOA\_U  
ClientSampleId :  
DB845

Tot Ion: 112 Resp: 1109210  
Ion Ratio Lower Upper  
112 100  
114 31.7 22.1 41.1  
77 62.4 49.5 74.3

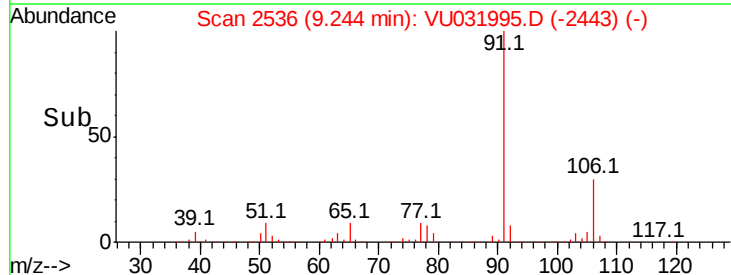
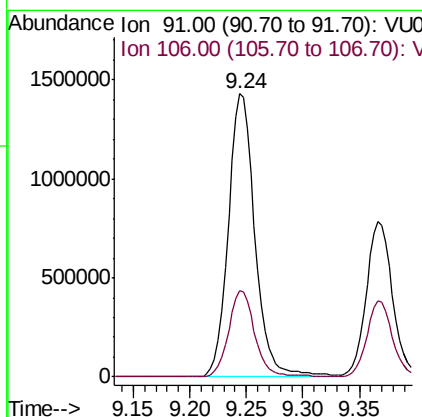
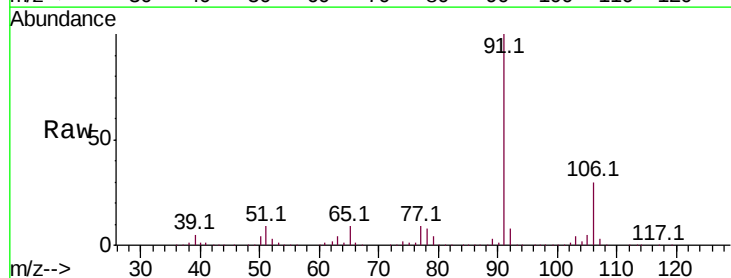
Manual Integrations  
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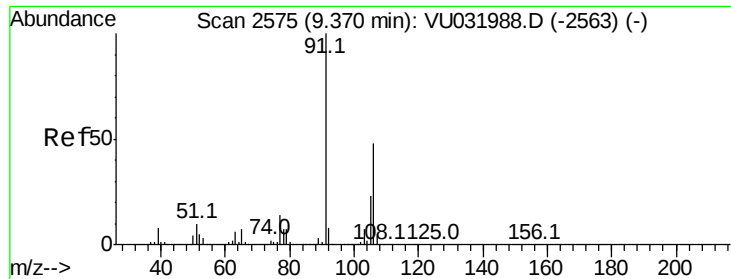
MMDadoda  
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#52  
Ethylbenzene  
Concen: 59.359 ug/L  
RT: 9.24 min Scan# 2536  
Delta R.T. 0.00 min  
Lab File: VU031995.D  
Acq: 14 May 2019 15:28

Tgt Ion: 91 Resp: 2346637  
Ion Ratio Lower Upper  
91 100  
106 30.3 21.3 39.5





#53

m,p-Xylene

Concen: 42.946 ug/L

RT: 9.37 min Scan# 2574

Delta R.T. -0.00 min

Lab File: VU031995.D

Acq: 14 May 2019 15:28

Instrument :

MSVOA\_U

ClientSampled :

DB845

Tot Ion:106 Resp: 619577

Ion Ratio Lower Upper

106 100

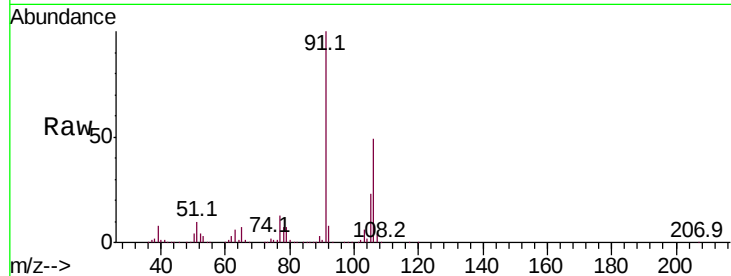
91 204.4 144.8 269.0

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

1200000

1000000

800000

600000

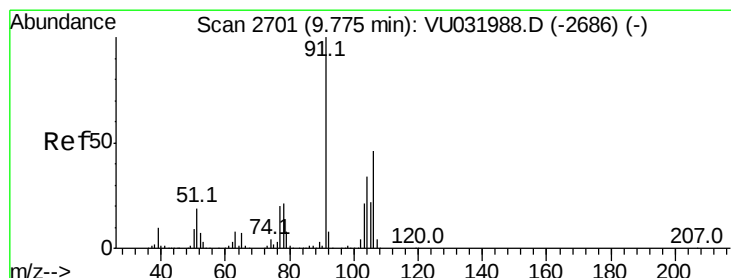
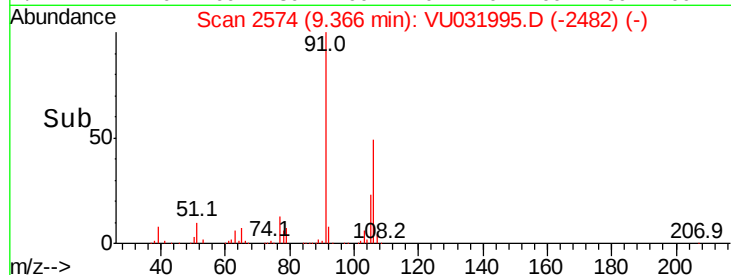
400000

200000

0

9.30 9.37 9.40 9.50

Time-->



#54

o-xylene

Concen: 20.690 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031995.D

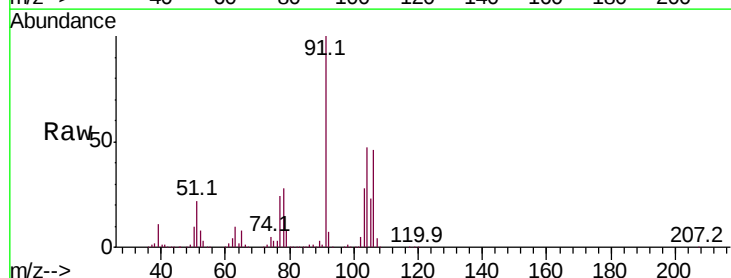
Acq: 14 May 2019 15:28

Tgt Ion:106 Resp: 294722

Ion Ratio Lower Upper

106 100

91 217.5 153.9 285.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

400000

300000

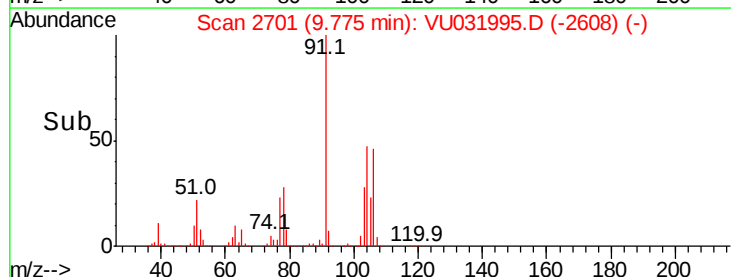
200000

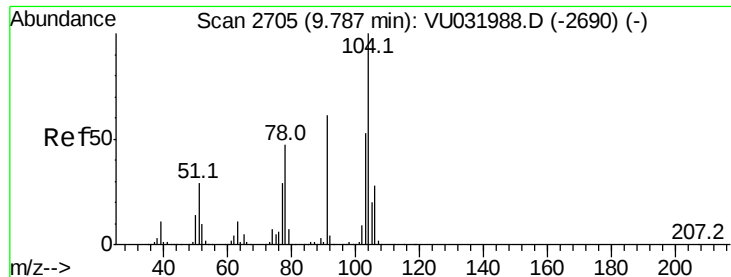
100000

0

9.70 9.77 9.80 9.90

Time-->





#55

Stvrene

Concen: 34.137 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU031995.D

Acq: 14 May 2019 15:28

Instrument :

MSVOA\_U

ClientSampled :

DB845

Tot Ion:104 Resp: 834737

Ion Ratio Lower Upper

104 100

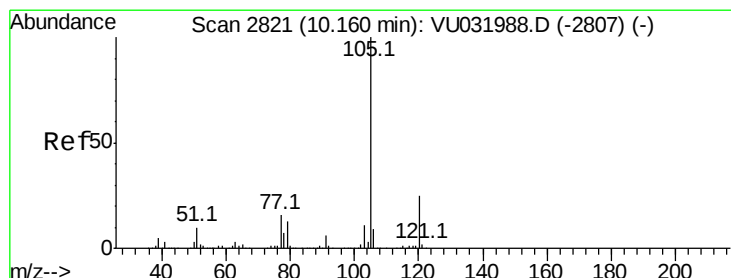
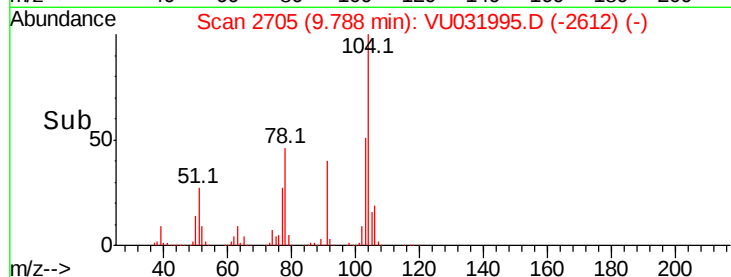
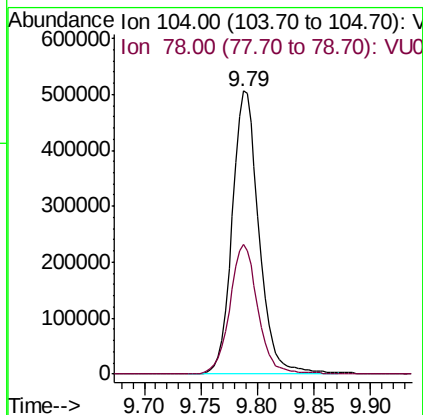
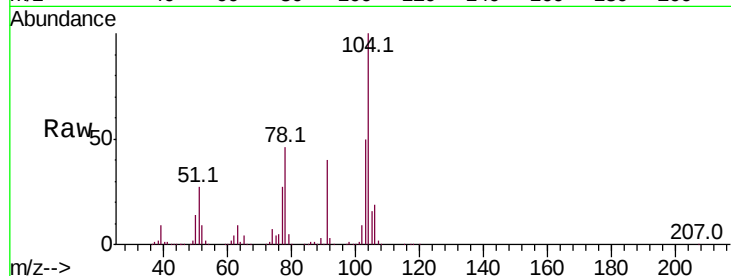
78 45.8 33.2 61.6

Manual Integrations

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#56

Isopropylbenzene

Concen: 40.645 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031995.D

Acq: 14 May 2019 15:28

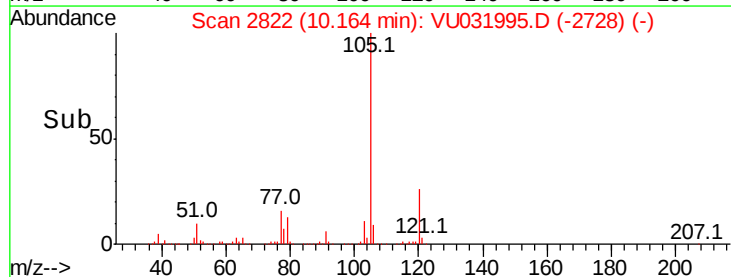
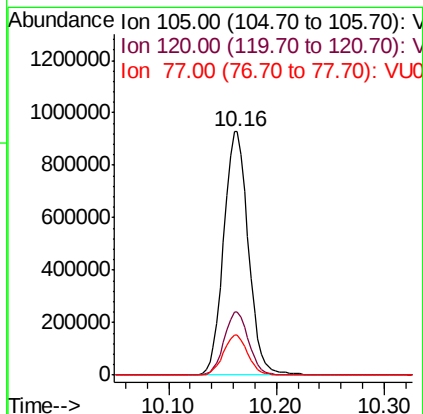
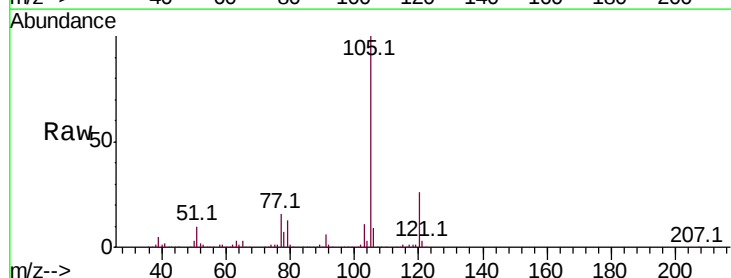
Tgt Ion:105 Resp: 1483488

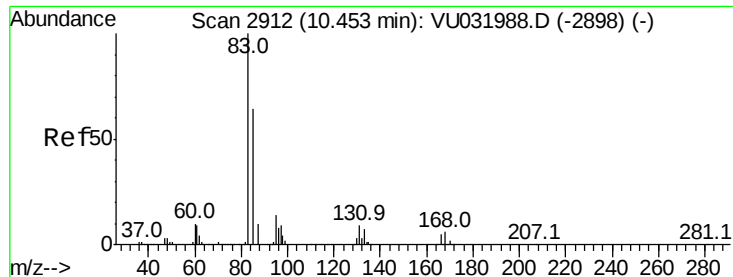
Ion Ratio Lower Upper

105 100

120 25.8 20.5 30.7

77 16.4 13.0 19.4





#58

1,1,2,2-Tetrachloroethane

Concen: 68.216 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031995.D

Acq: 14 May 2019 15:28

Instrument :

MSVOA\_U

ClientSampled :

DB845

Tot Ion: 83 Resp: 1091682

Ion Ratio Lower Upper

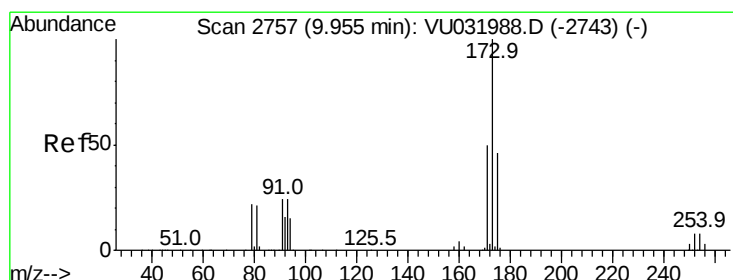
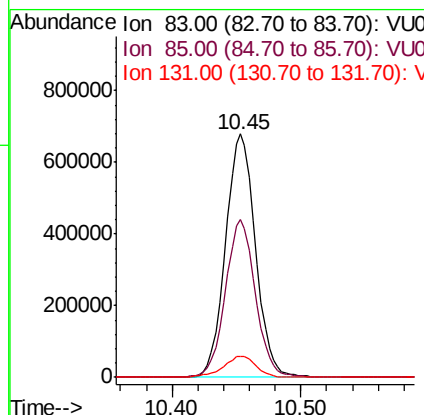
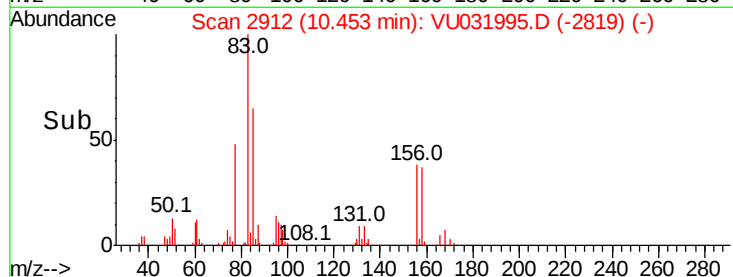
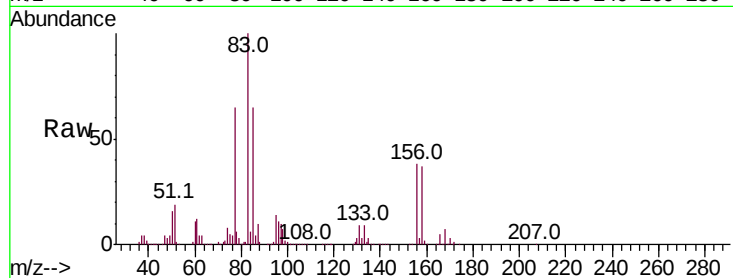
83 100

85 65.0 45.8 85.2

131 8.8 7.0 10.4

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#61

Bromoform

Concen: 18.005 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU031995.D

Acq: 14 May 2019 15:28

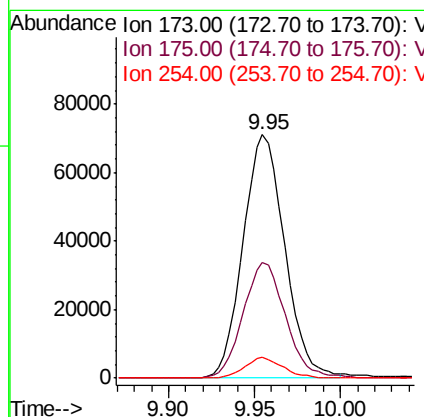
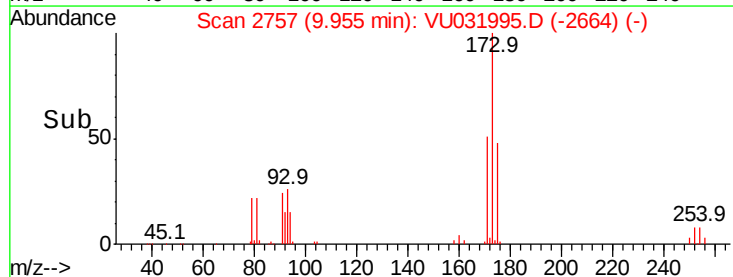
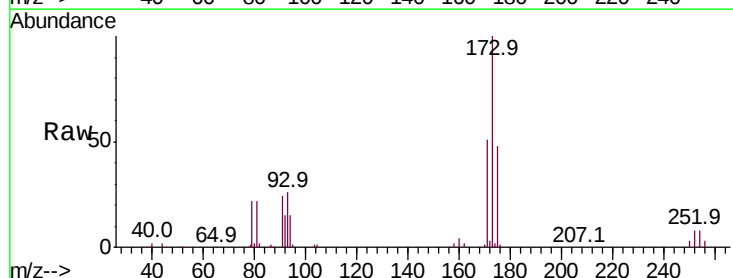
Tgt Ion: 173 Resp: 119454

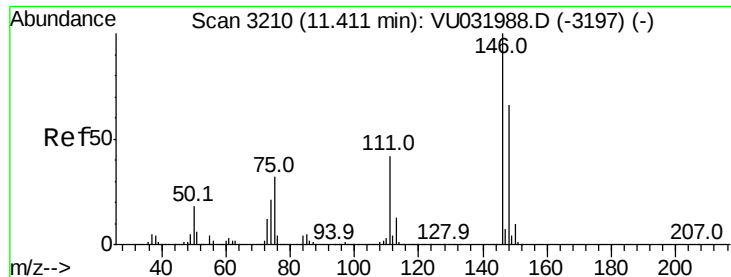
Ion Ratio Lower Upper

173 100

175 48.6 38.4 57.6

254 7.8 6.6 9.8





#62

1,3-Dichlorobenzene

Concen: 19.555 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU031995.D

Acq: 14 May 2019 15:28

Instrument :

MSVOA\_U

ClientSampled :

DB845

Tot Ion:146 Resp: 318038

Ion Ratio Lower Upper

146 100

111 42.0 29.0 53.9

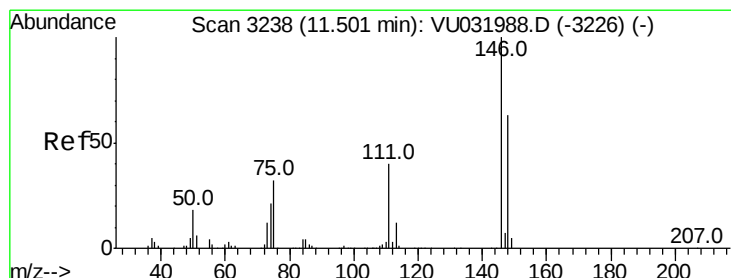
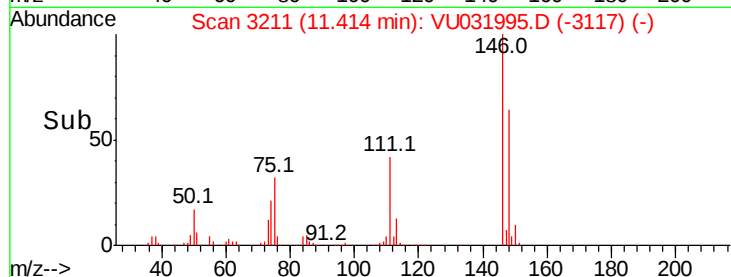
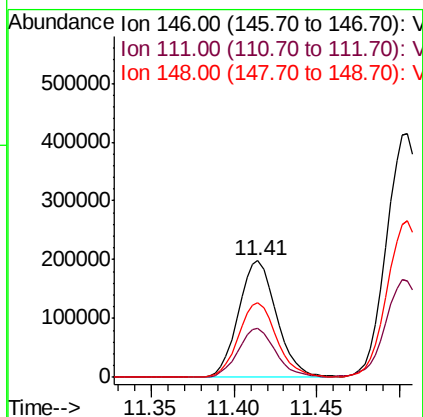
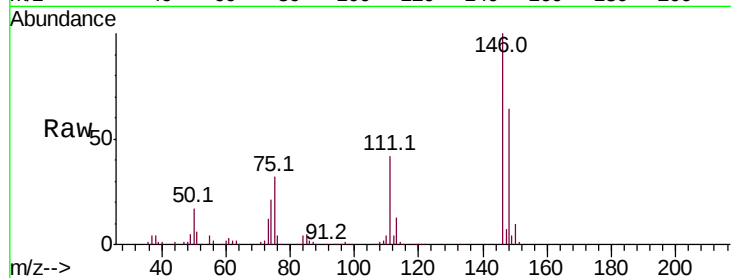
148 64.2 43.3 80.3

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#63

1,4-Dichlorobenzene

Concen: 38.786 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031995.D

Acq: 14 May 2019 15:28

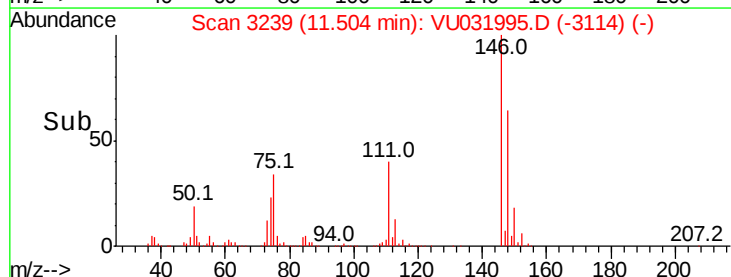
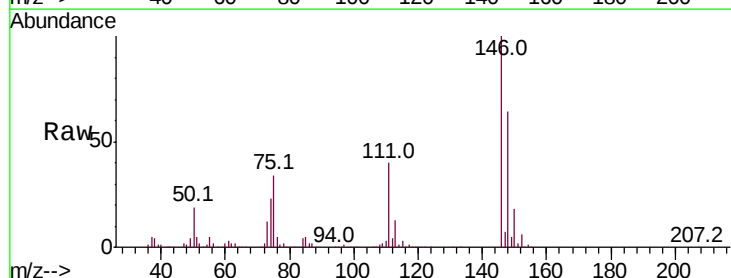
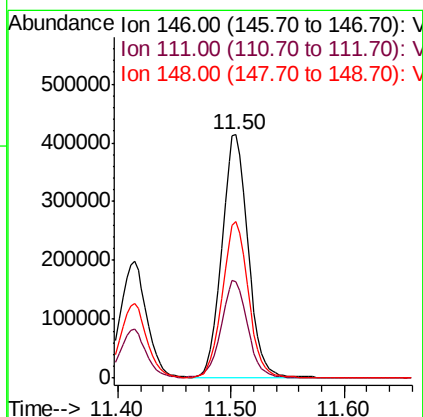
Tgt Ion:146 Resp: 667230

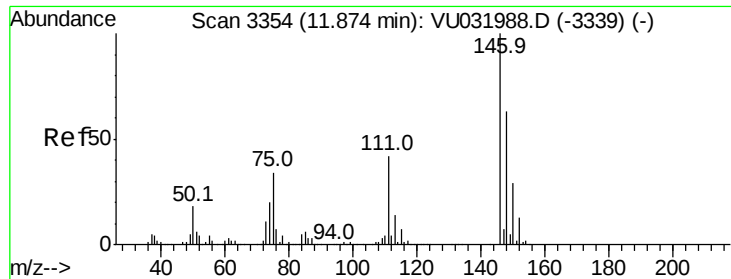
Ion Ratio Lower Upper

146 100

111 39.7 27.9 51.7

148 64.3 44.7 83.1





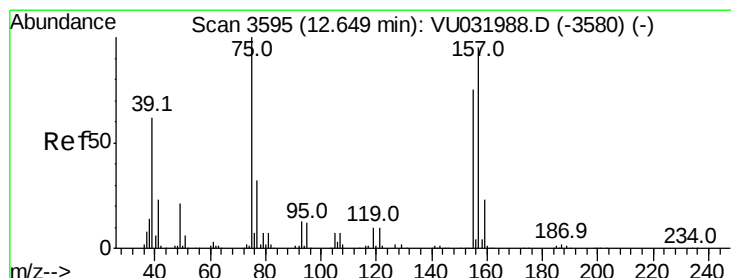
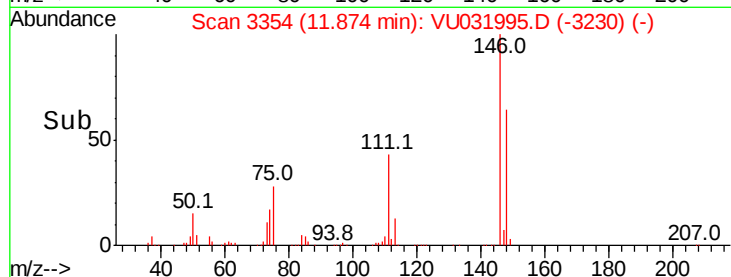
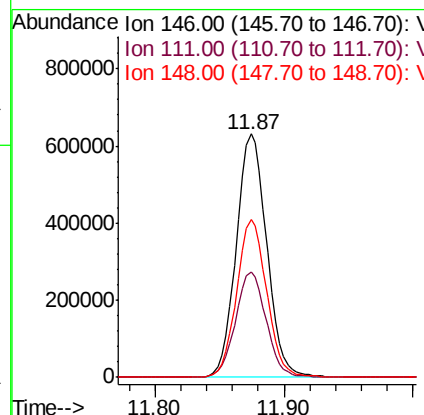
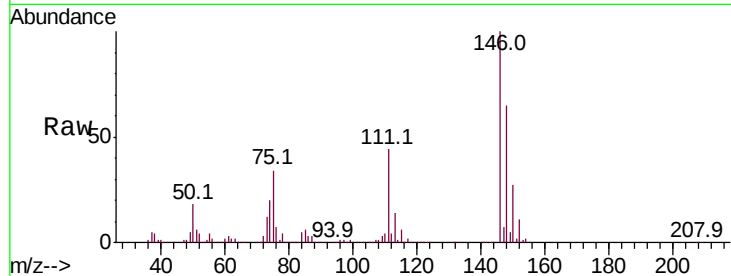
#65  
 1,2-Dichlorobenzene  
 Concen: 60.026 ug/L  
 RT: 11.87 min Scan# 3354  
 Delta R.T. 0.00 min  
 Lab File: VU031995.D  
 Acq: 14 May 2019 15:28

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB845

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.5  | 34.8  | 52.2  |
| 148     | 64.7  | 51.4  | 77.0  |

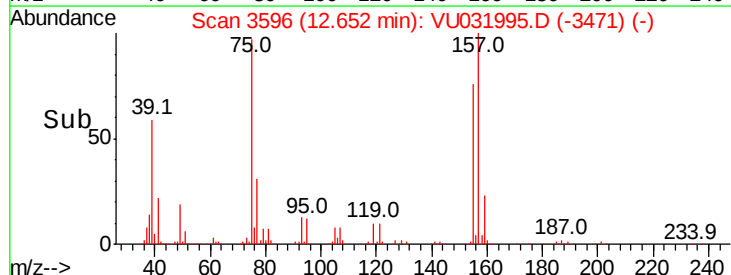
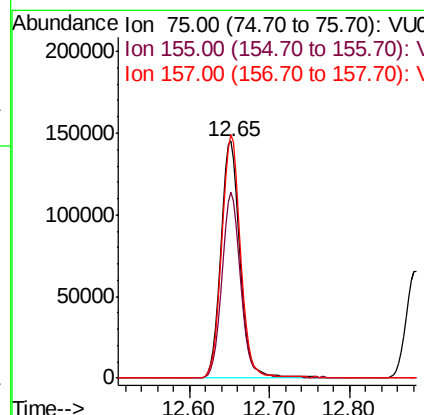
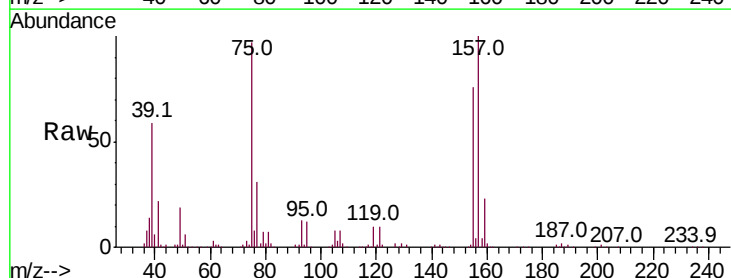
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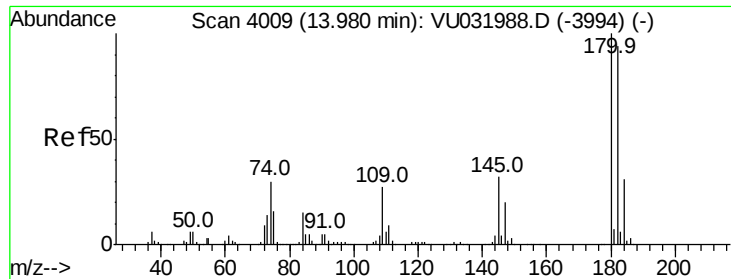
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#66  
 1,2-Dibromo-3-chloropropane  
 Concen: 72.737 ug/L  
 RT: 12.65 min Scan# 3596  
 Delta R.T. 0.00 min  
 Lab File: VU031995.D  
 Acq: 14 May 2019 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 78.4  | 63.8  | 95.8  |
| 157     | 102.9 | 80.2  | 120.2 |





#70  
 1,2,3-Trichlorobenzene  
 Concen: 34.940 ug/L  
 RT: 13.98 min Scan# 4010  
 Delta R.T. 0.00 min  
 Lab File: VU031995.D  
 Acq: 14 May 2019 15:28

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB845

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 341694 |       |       |
| 182     | 97.1  |        | 75.8  | 113.6 |
| 145     | 32.6  |        | 25.5  | 38.3  |

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