

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011219\  
 Data File : VU029145.D  
 Acq On : 11 Jan 2019 16:41  
 Operator : JC/SP  
 Sample : VU0112WBS01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0112WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 1/14/2019 10:59:02 AM

Quant Time: Jan 11 23:54:26 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U010319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 04 02:22:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.98  | 168  | 169751   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.88  | 114  | 269299   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 253067   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 127494   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 5.31   | 65  | 101070   | 48.16 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.32% |      |
| 35) Dibromofluoromethane  | 4.88   | 113 | 85319    | 48.87 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.74% |      |
| 50) Toluene-d8            | 7.56   | 98  | 318323   | 46.19 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.38% |      |
| 62) 4-Bromofluorobenzene  | 10.31  | 95  | 109551   | 44.23 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 88.46% |      |

## Target Compounds

|                               |      |     |        |        | Qvalue   |
|-------------------------------|------|-----|--------|--------|----------|
| 2) Dichlorodifluoromethane    | 1.21 | 85  | 32044  | 19.035 | ug/l 99  |
| 3) Chloromethane              | 1.33 | 50  | 45309  | 16.393 | ug/l 100 |
| 4) Vinyl Chloride             | 1.40 | 62  | 45654  | 18.403 | ug/l 98  |
| 5) Bromomethane               | 1.62 | 94  | 25717  | 18.233 | ug/l 99  |
| 6) Chloroethane               | 1.69 | 64  | 26713  | 18.078 | ug/l 99  |
| 7) Trichlorofluoromethane     | 1.88 | 101 | 51437  | 19.028 | ug/l 99  |
| 8) Diethyl Ether              | 2.10 | 74  | 24139  | 18.587 | ug/l 91  |
| 9) 1,1,2-Trichlorotrifluoroet | 2.28 | 101 | 34844  | 19.264 | ug/l 96  |
| 10) Methyl Iodide             | 2.41 | 142 | 25546  | 15.021 | ug/l 99  |
| 11) Tert butyl alcohol        | 2.83 | 59  | 46561  | 87.292 | ug/l 99  |
| 12) 1,1-Dichloroethene        | 2.28 | 96  | 31512  | 17.899 | ug/l 95  |
| 13) Acrolein                  | 2.19 | 56  | 34237  | 85.481 | ug/l 98  |
| 14) Allyl chloride            | 2.59 | 41  | 57927  | 17.932 | ug/l 93  |
| 15) Acrylonitrile             | 2.93 | 53  | 124534 | 95.166 | ug/l 100 |
| 16) Acetone                   | 2.32 | 43  | 128622 | 97.298 | ug/l 97  |
| 17) Carbon Disulfide          | 2.48 | 76  | 103381 | 17.369 | ug/l 100 |
| 18) Methyl Acetate            | 2.61 | 43  | 61399  | 19.975 | ug/l 100 |
| 19) Methyl tert-butyl Ether   | 3.00 | 73  | 114136 | 18.440 | ug/l 97  |
| 20) Methylene Chloride        | 2.70 | 84  | 41548  | 18.511 | ug/l 98  |
| 21) trans-1,2-Dichloroethene  | 2.98 | 96  | 37005  | 18.091 | ug/l 97  |
| 22) Diisopropyl ether         | 3.57 | 45  | 124841 | 19.554 | ug/l 95  |
| 23) Vinyl Acetate             | 3.52 | 43  | 493635 | 94.580 | ug/l 100 |
| 24) 1,1-Dichloroethane        | 3.44 | 63  | 71490  | 19.398 | ug/l 100 |
| 25) 2-Butanone                | 4.26 | 43  | 173646 | 97.255 | ug/l 98  |
| 26) 2,2-Dichloropropane       | 4.22 | 77  | 58618  | 19.684 | ug/l 98  |
| 27) cis-1,2-Dichloroethene    | 4.22 | 96  | 40849  | 18.259 | ug/l 97  |
| 28) Bromochloromethane        | 4.54 | 49  | 29695  | 18.817 | ug/l 94  |
| 29) Tetrahydrofuran           | 4.64 | 42  | 103529 | 95.602 | ug/l 97  |
| 30) Chloroform                | 4.67 | 83  | 68994  | 19.654 | ug/l 99  |
| 31) Cyclohexane               | 4.99 | 56  | 66421  | 18.382 | ug/l 97  |
| 32) 1,1,1-Trichloroethane     | 4.91 | 97  | 55657  | 19.188 | ug/l 99  |
| 36) 1,1-Dichloropropene       | 5.13 | 75  | 51157  | 19.005 | ug/l 99  |
| 37) Ethyl Acetate             | 4.38 | 43  | 56287  | 19.050 | ug/l 99  |
| 38) Carbon Tetrachloride      | 5.13 | 117 | 45557  | 20.292 | ug/l 98  |

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 Sample : VU0112WBS01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0112WBS01

Manual Integrations  
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 1/14/2019 10:59:02 AM

Quant Time: Jan 11 23:54:26 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U010319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 04 02:22:53 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 6.41  | 83   | 59684    | 18.036  | ug/l   | 97       |
| 40) Benzene                    | 5.39  | 78   | 164376   | 19.577  | ug/l   | 100      |
| 41) Methacrylonitrile          | 4.54  | 41   | 30764    | 19.451  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 5.40  | 62   | 52831    | 20.940  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 5.55  | 43   | 88585    | 19.545  | ug/l   | 98       |
| 44) Trichloroethene            | 6.19  | 130  | 38817    | 18.659  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 6.43  | 63   | 45306    | 20.433  | ug/l   | 98       |
| 46) Dibromomethane             | 6.56  | 93   | 28743    | 20.278  | ug/l   | 97       |
| 47) Bromodichloromethane       | 6.76  | 83   | 53678    | 20.568  | ug/l   | 99       |
| 48) Methyl methacrylate        | 6.62  | 41   | 43563    | 19.739  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 6.61  | 88   | 19894    | 380.373 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 7.46  | 43   | 305155   | 98.929  | ug/l   | 98       |
| 52) Toluene                    | 7.64  | 92   | 99499    | 19.466  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 7.88  | 75   | 60255    | 19.220  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 7.27  | 75   | 65900    | 19.454  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 8.07  | 97   | 42012    | 20.516  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 8.02  | 69   | 57389    | 18.191  | ug/l   | 95       |
| 57) 1,3-Dichloropropane        | 8.24  | 76   | 68396    | 19.520  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 7.13  | 63   | 109785   | 79.130  | ug/l   | 99       |
| 59) 2-Hexanone                 | 8.36  | 43   | 234571   | 96.879  | ug/l   | 97       |
| 60) Dibromochloromethane       | 8.48  | 129  | 39582    | 19.511  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 8.58  | 107  | 44367    | 19.977  | ug/l   | 95       |
| 64) Tetrachloroethene          | 8.22  | 164  | 34729    | 19.051  | ug/l   | 91       |
| 65) Chlorobenzene              | 9.12  | 112  | 106218   | 18.725  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 35960    | 19.534  | ug/l   | 98       |
| 67) Ethyl Benzene              | 9.25  | 91   | 175983   | 18.582  | ug/l   | 98       |
| 68) m/p-Xylenes                | 9.37  | 106  | 136794   | 37.174  | ug/l   | 100      |
| 69) o-Xylene                   | 9.78  | 106  | 66004    | 18.615  | ug/l   | 100      |
| 70) Styrene                    | 9.79  | 104  | 108687   | 18.699  | ug/l   | 99       |
| 71) Bromoform                  | 9.96  | 173  | 31273    | 19.079  | ug/l # | 99       |
| 73) Isopropylbenzene           | 10.16 | 105  | 174307   | 18.471  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.01 | 43   | 73449    | 18.062  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.45 | 83   | 70355    | 18.602  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 10.49 | 75   | 58409m   | 18.698  | ug/l   |          |
| 77) Bromobenzene               | 10.45 | 156  | 45234    | 18.394  | ug/l   | 98       |
| 78) n-propylbenzene            | 10.58 | 91   | 209377   | 18.827  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 125241   | 18.565  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 147966   | 18.776  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 10.51 | 75   | 18524m   | 15.294  | ug/l   |          |
| 82) 4-Chlorotoluene            | 10.77 | 91   | 142369   | 18.404  | ug/l   | 97       |
| 83) tert-Butylbenzene          | 11.10 | 119  | 138413   | 17.820  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 147052   | 18.690  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.32 | 105  | 176083   | 18.745  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 11.48 | 119  | 148555   | 18.559  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 11.41 | 146  | 83286    | 18.464  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 11.50 | 146  | 82305    | 17.677  | ug/l   | 97       |
| 89) n-Butylbenzene             | 11.89 | 91   | 135817   | 19.011  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.14 | 117  | 24803    | 18.419  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene        | 11.88 | 146  | 80903    | 17.807  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 13380    | 18.393  | ug/l   | 96       |

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Sample : VU0112WBS01  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
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Quant Title : SW846 8260  
QLast Update : Fri Jan 04 02:22:53 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.50 | 180  | 50408    | 17.381 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 13.69 | 225  | 27472    | 20.709 | ug/l  | 98       |
| 95) Naphthalene            | 13.74 | 128  | 153129   | 15.521 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 13.99 | 180  | 51143    | 17.639 | ug/l  | 99       |

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

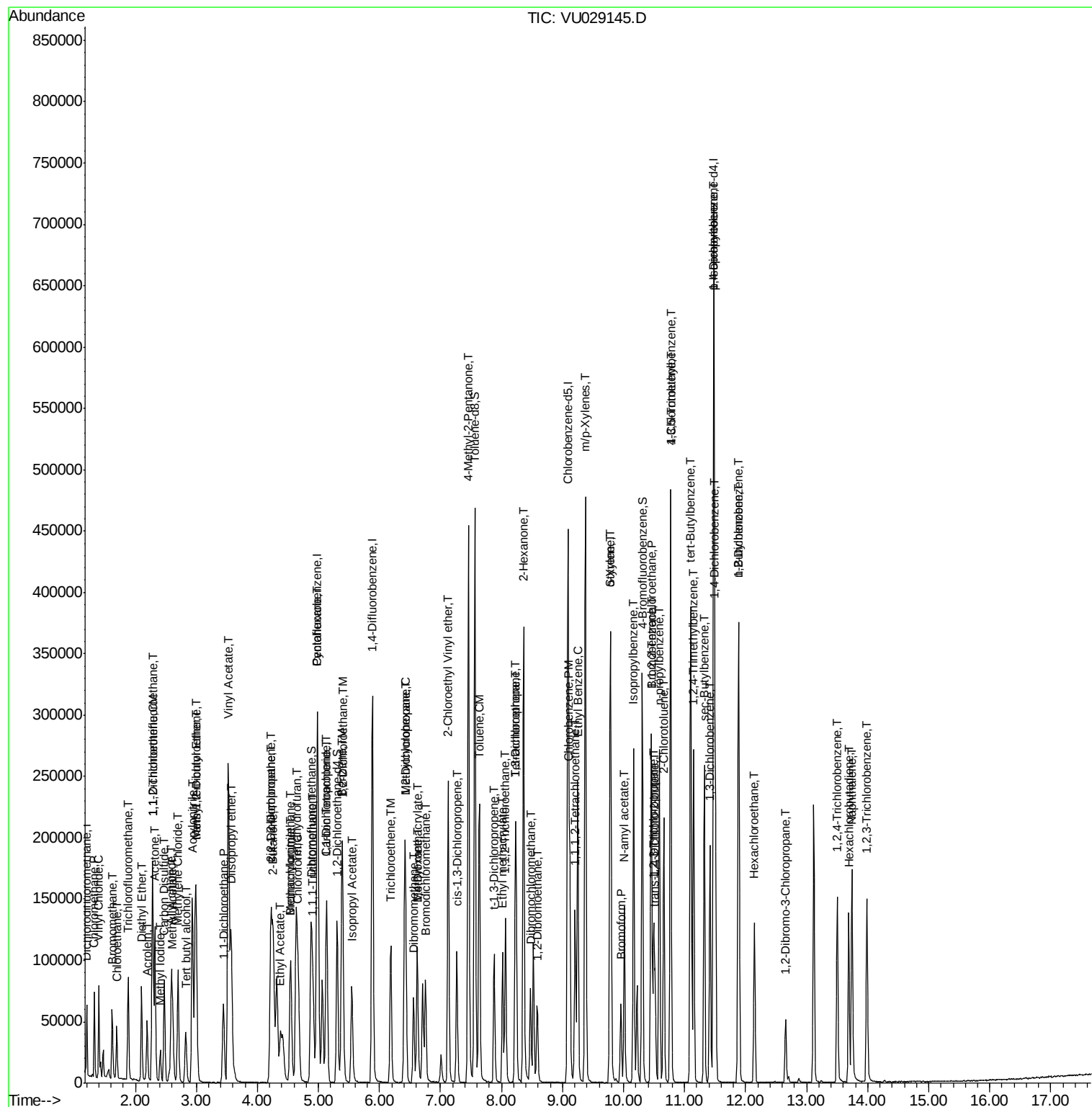
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 Data File : VU029145.D  
 Acq On : 11 Jan 2019 16:41  
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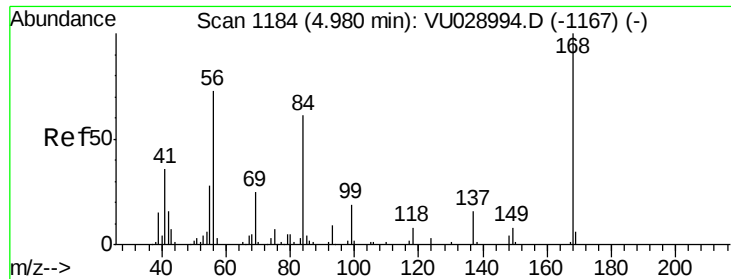
Instrument :  
 MSVOA\_U  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0112WBS01

Tot Ion:168 Resp: 169751

Ion Ratio Lower Upper

168 100

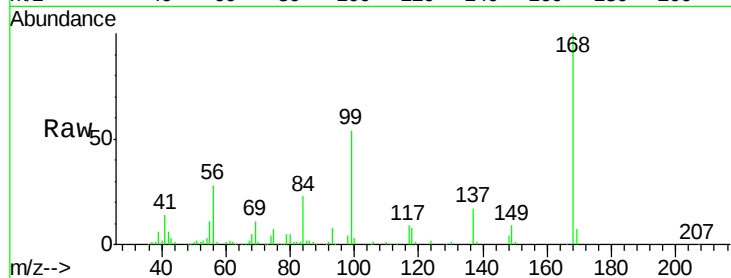
99 53.8 42.0 63.0

Manual Integrations

APPROVED

MMDadoda

1/14/2019 10:59:02 AM



Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

80000

60000

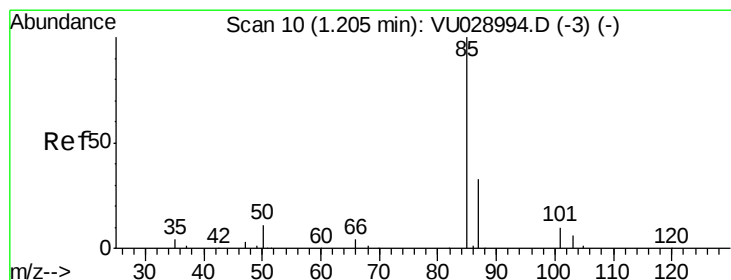
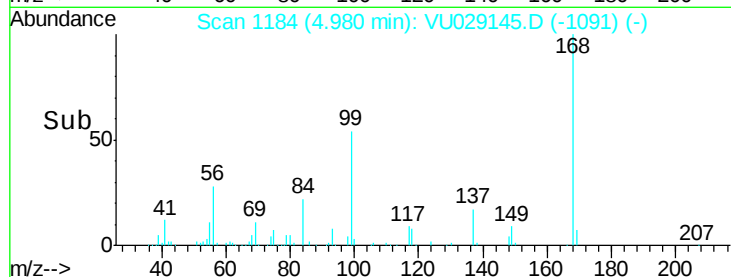
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.035 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029145.D

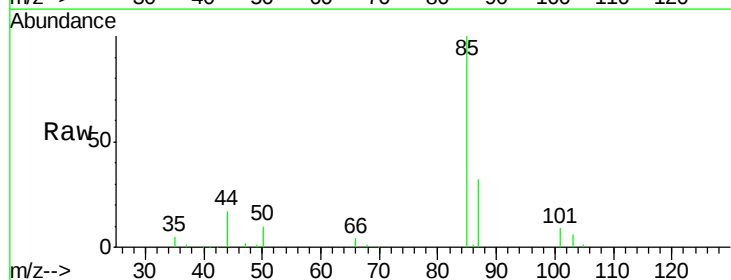
Acq: 11 Jan 2019 16:41

Tgt Ion: 85 Resp: 32044

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028994.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028994.D (-3) (-)

1.21

40000

30000

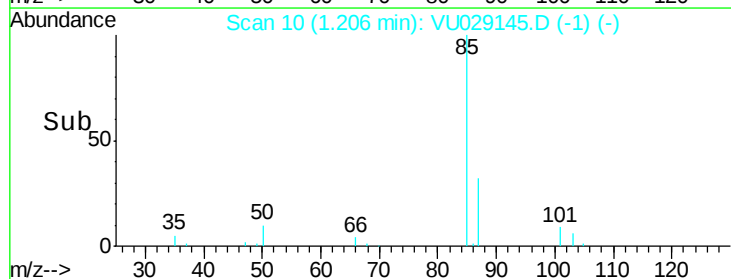
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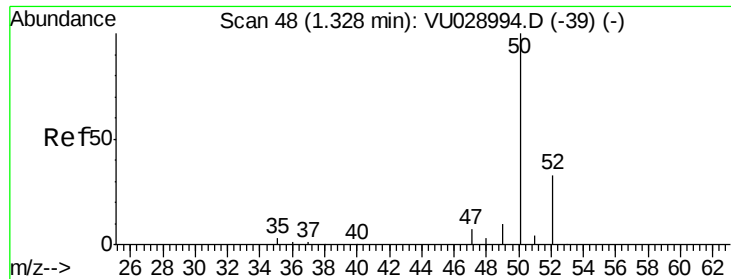
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0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 16.393 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0112WBS01

Tot Ion: 50 Resp: 45309

Ion Ratio Lower Upper

50 100

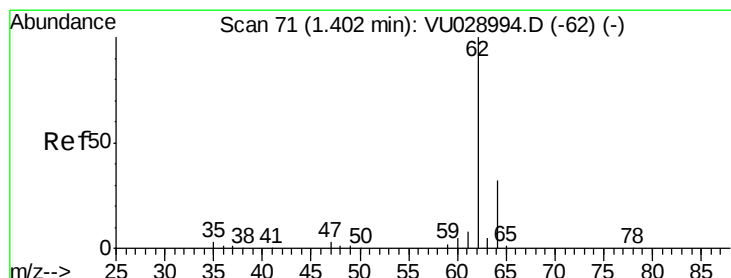
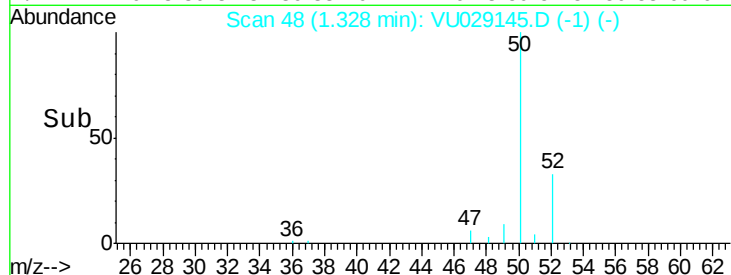
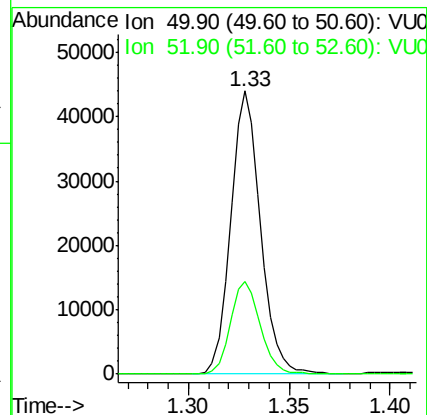
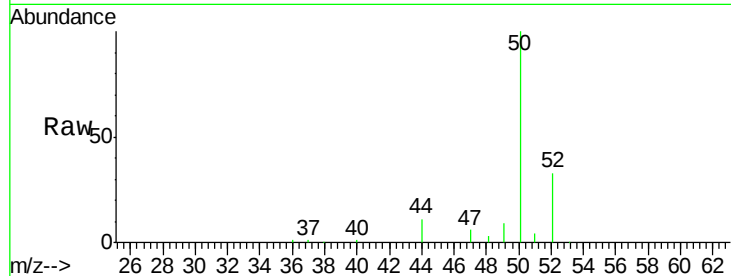
52 32.7 26.1 39.1

Manual Integrations

APPROVED

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1/14/2019 10:59:02 AM



#4

Vinyl Chloride

Concen: 18.403 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029145.D

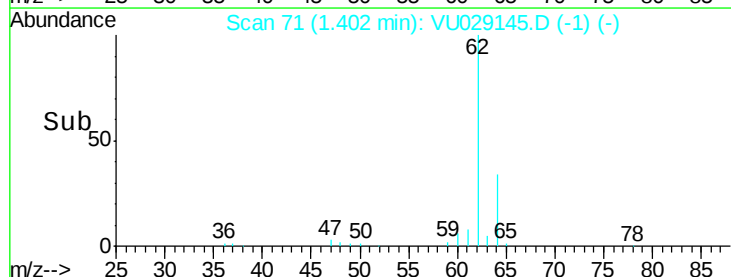
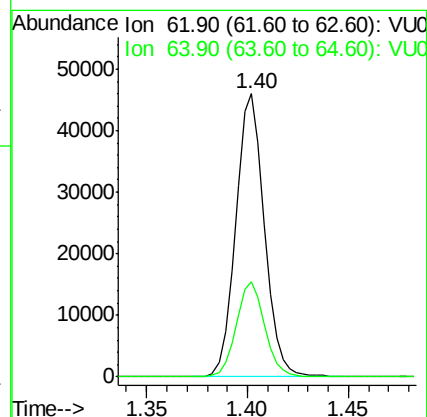
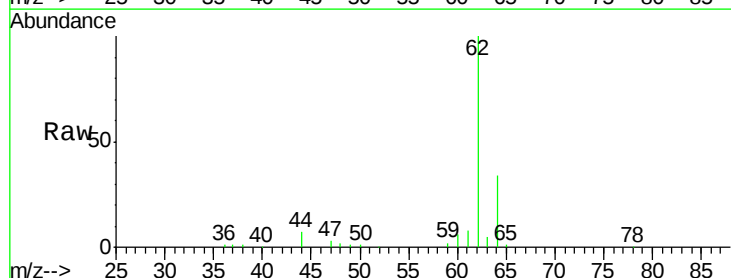
Acq: 11 Jan 2019 16:41

Tgt Ion: 62 Resp: 45654

Ion Ratio Lower Upper

62 100

64 33.6 25.9 38.9





#5

Bromomethane

Concen: 18.233 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.02 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0112WBS01

Tot Ion: 94 Resp: 25717

Ion Ratio Lower Upper

94 100

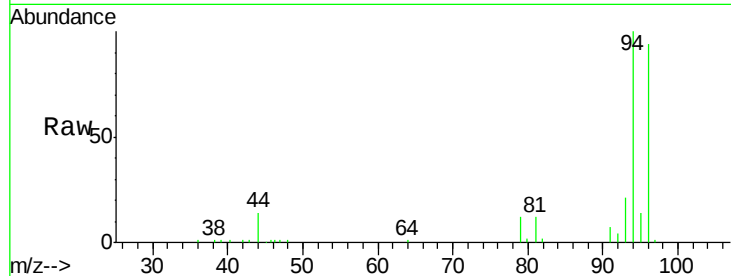
96 93.7 75.5 113.3

Manual Integrations

APPROVED

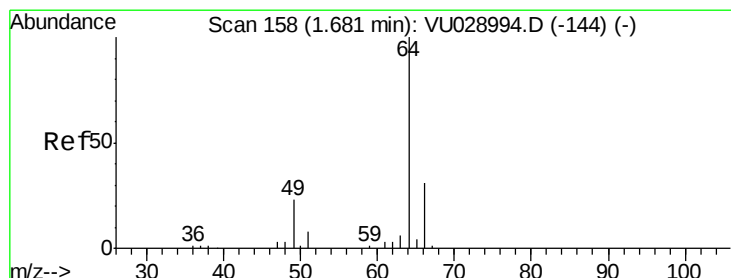
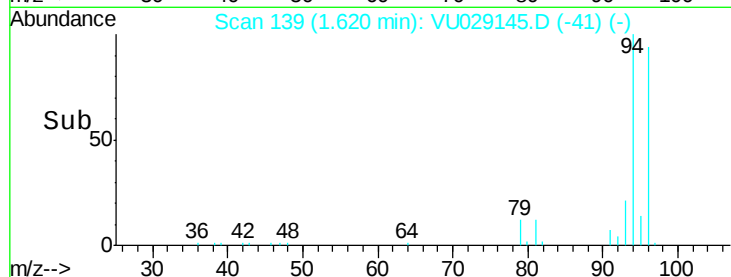
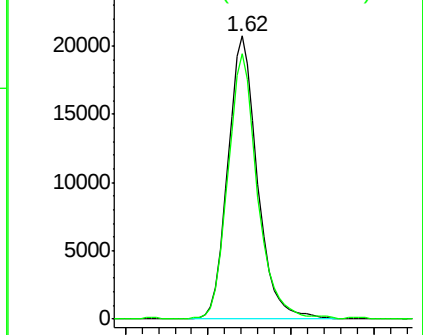
MMDadoda

1/14/2019 10:59:02 AM



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 18.078 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU029145.D

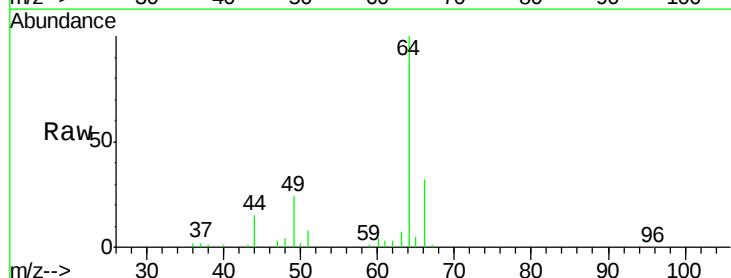
Acq: 11 Jan 2019 16:41

Tgt Ion: 64 Resp: 26713

Ion Ratio Lower Upper

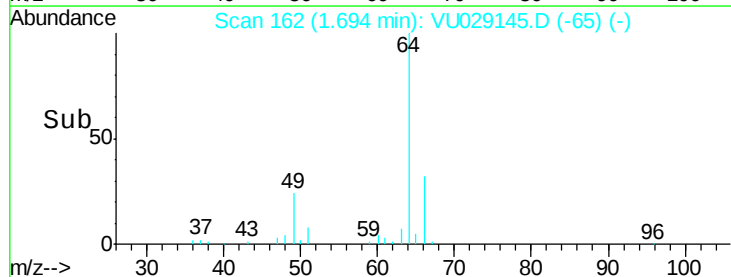
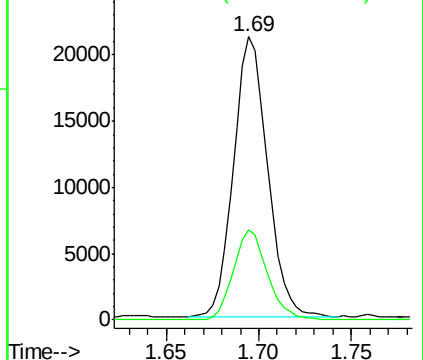
64 100

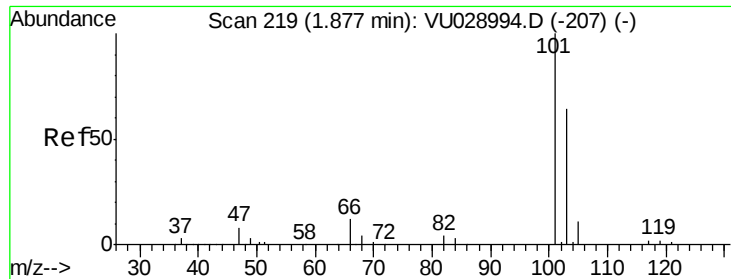
66 32.0 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

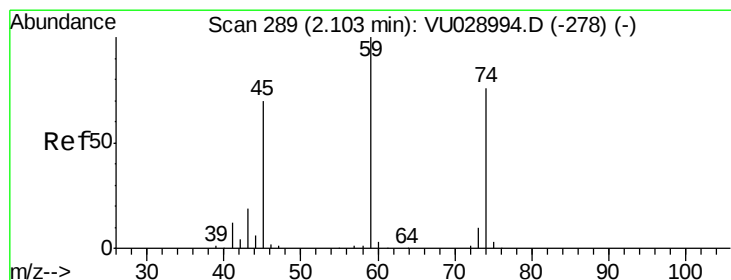
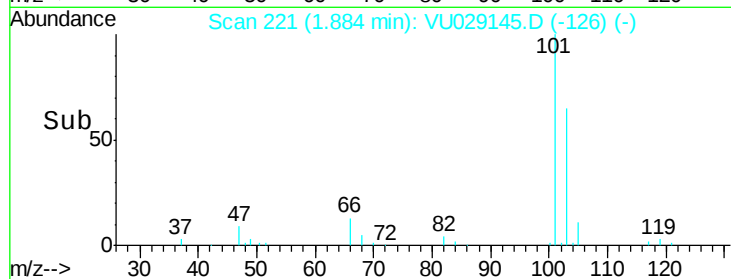
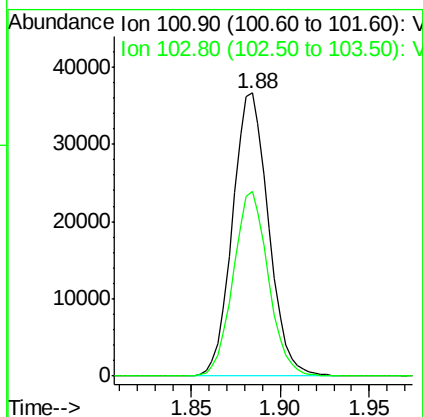
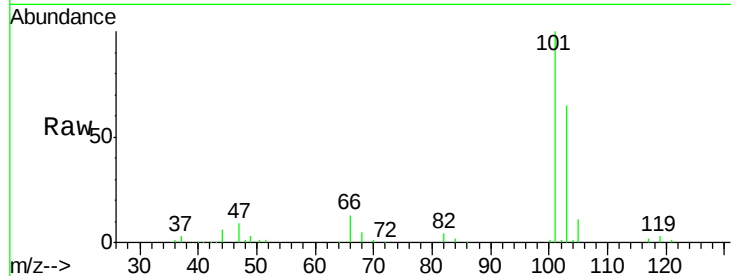
Trichlorofluoromethane  
 Concen: 19.028 ug/l  
 RT: 1.88 min Scan# 221  
 Delta R.T. 0.01 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0112WBS01

Tot Ion:101 Resp: 51437  
 Ion Ratio Lower Upper  
 101 100  
 103 65.1 51.5 77.3

Manual Integrations  
 APPROVED

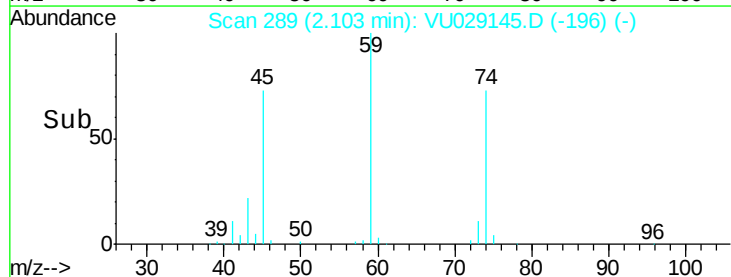
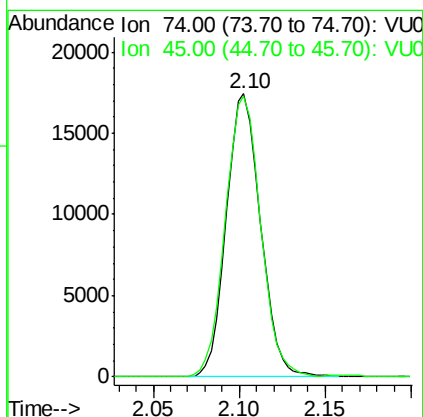
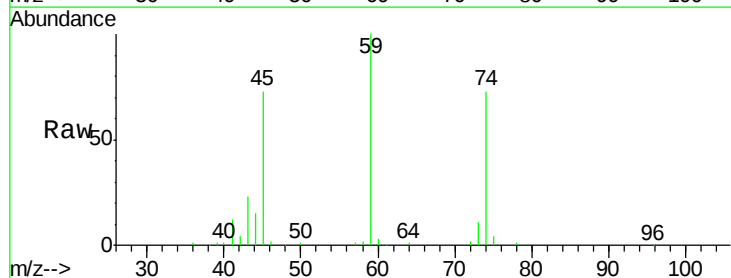
MMDadoda  
 1/14/2019 10:59:02 AM

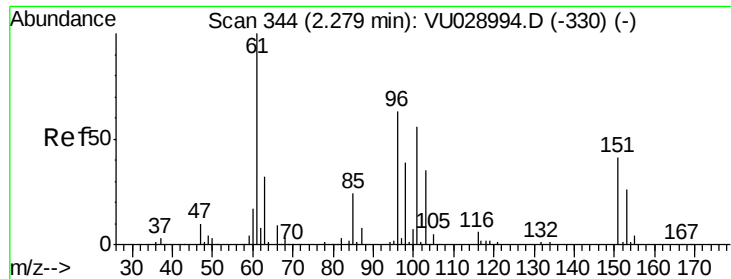


#8

Diethyl Ether  
 Concen: 18.587 ug/l  
 RT: 2.10 min Scan# 289  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Tgt Ion: 74 Resp: 24139  
 Ion Ratio Lower Upper  
 74 100  
 45 102.4 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.264 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

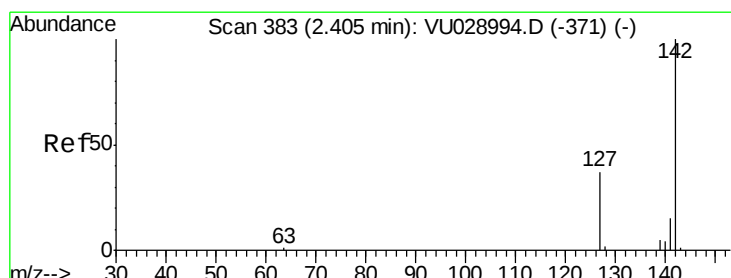
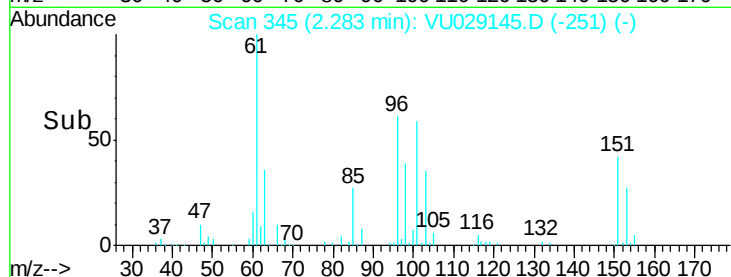
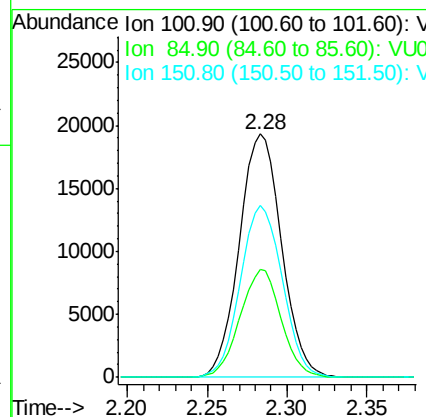
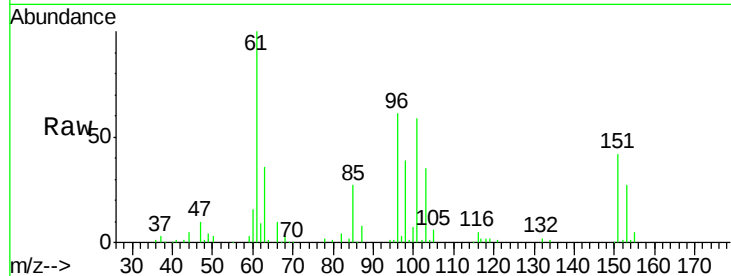
ClientSampleId :

VU0112WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 34844 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.0  | 35.1  | 52.7  |
| 151       | 70.3  | 60.2  | 90.2  |

Manual Integrations  
APPROVED

MMDadoda  
1/14/2019 10:59:02 AM



#10

Methyl Iodide

Concen: 15.021 ug/l

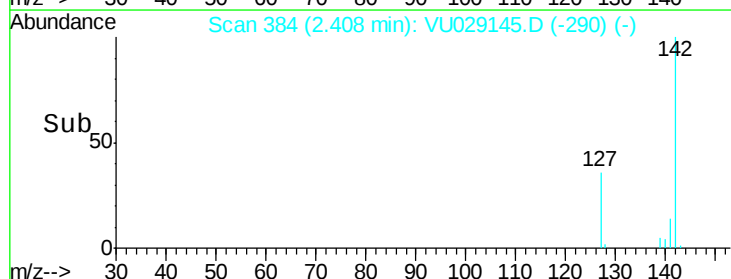
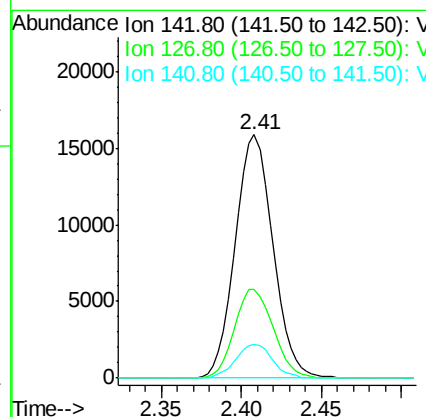
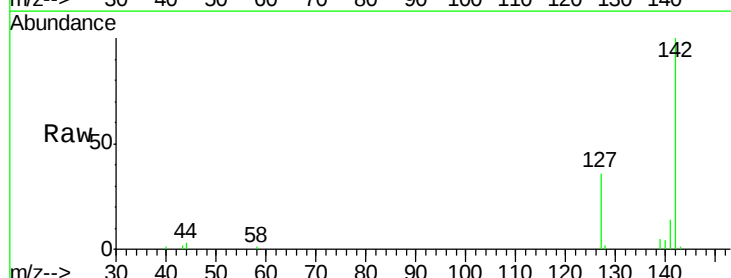
RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 25546 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 37.4  | 29.8  | 44.6  |
| 141       | 13.4  | 11.5  | 17.3  |





#11

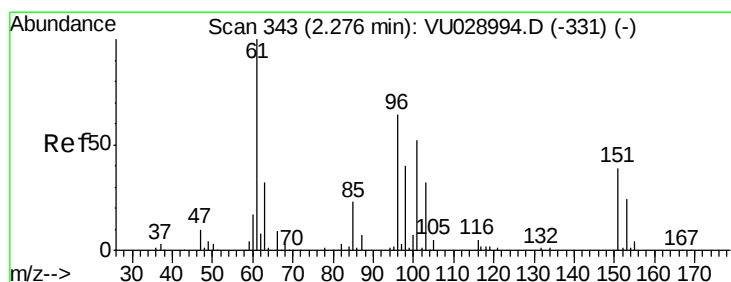
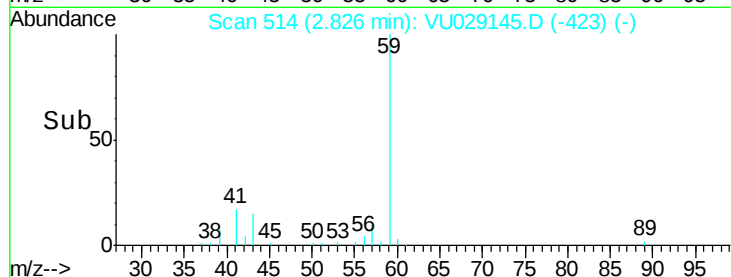
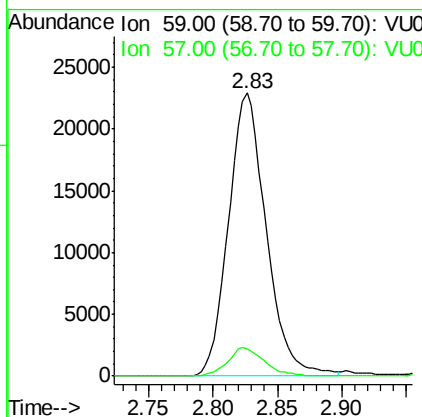
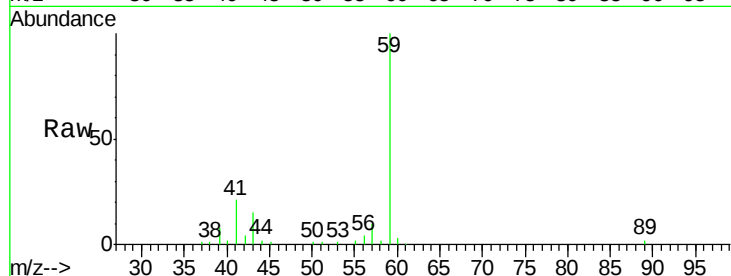
Tert butyl alcohol  
 Concen: 87.292 ug/l  
 RT: 2.83 min Scan# 514  
 Delta R.T. -0.01 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0112WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.7   | 7.9   | 11.9  |

Manual Integrations  
 APPROVED

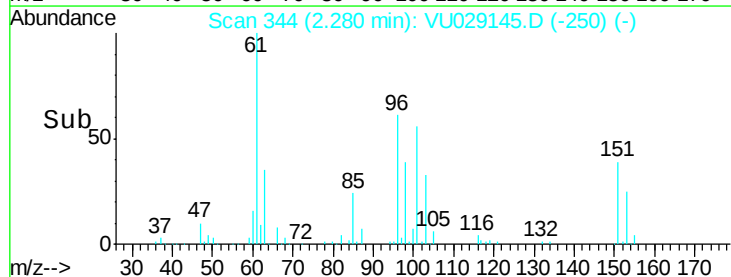
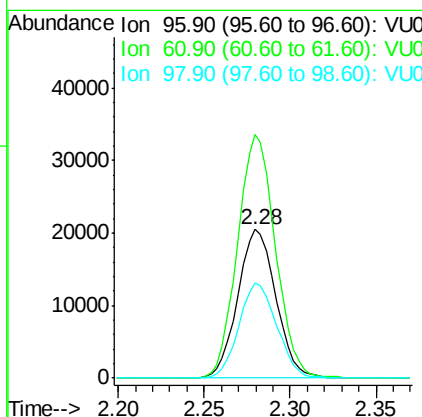
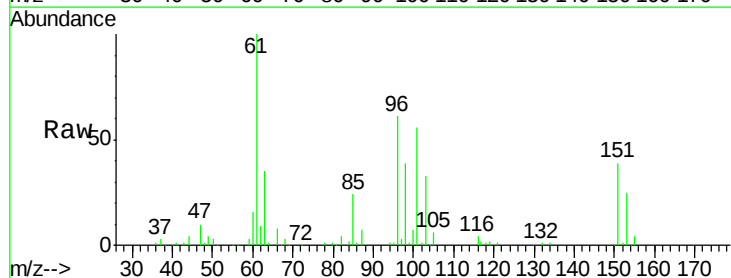
MMDadoda  
 1/14/2019 10:59:02 AM

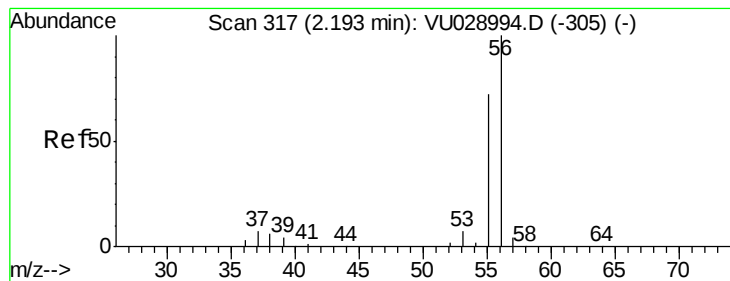


#12

1,1-Dichloroethene  
 Concen: 17.899 ug/l  
 RT: 2.28 min Scan# 344  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 164.0 | 125.4 | 188.0 |
| 98      | 63.8  | 49.7  | 74.5  |





#13

Acrolein

Concen: 85.481 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampled :

VU0112WBS01

Tot Ion: 56 Resp: 34237

Ion Ratio Lower Upper

56 100

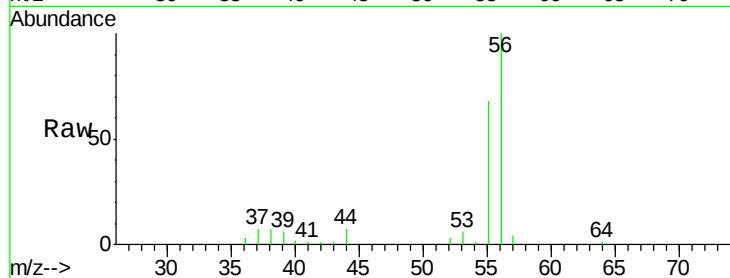
55 68.9 56.5 84.7

Manual Integrations

APPROVED

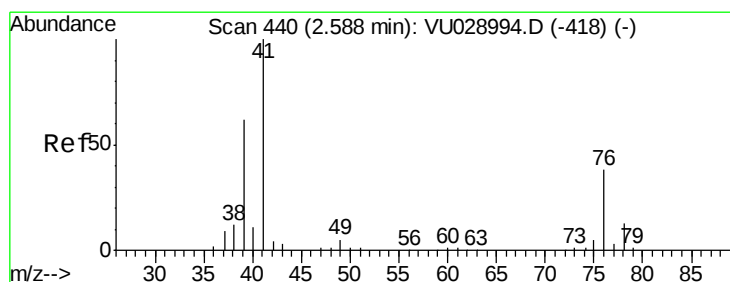
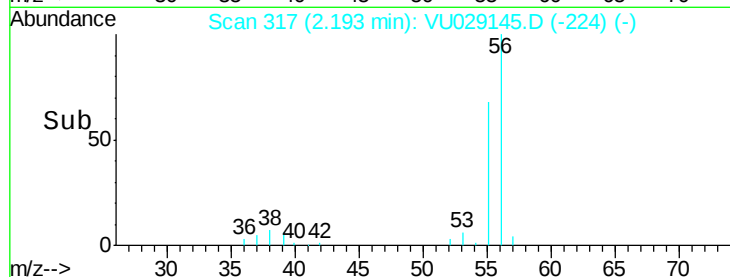
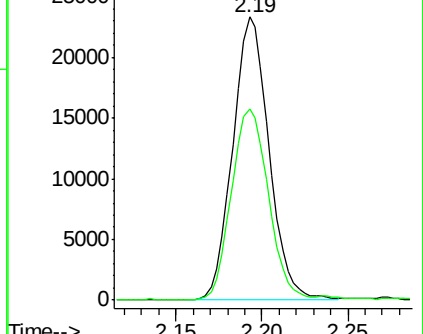
MMDadoda

1/14/2019 10:59:02 AM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 17.932 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

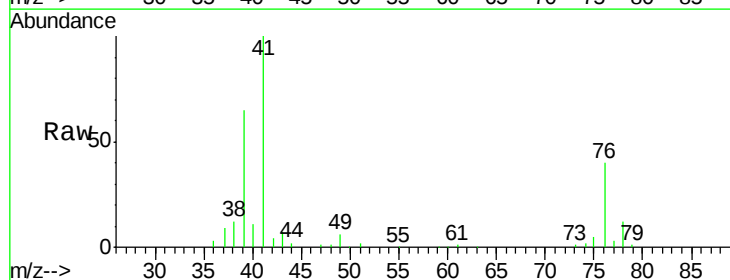
Tgt Ion: 41 Resp: 57927

Ion Ratio Lower Upper

41 100

39 62.8 45.0 67.6

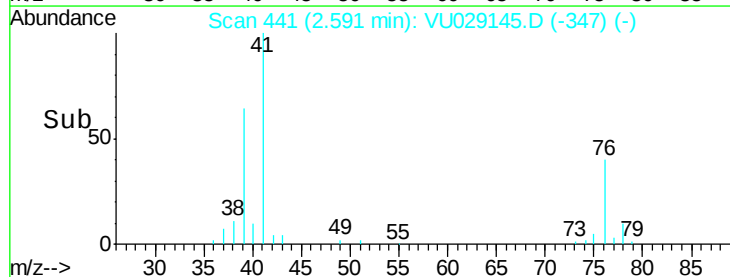
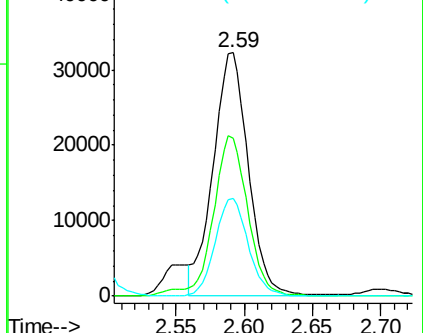
76 37.5 28.1 42.1

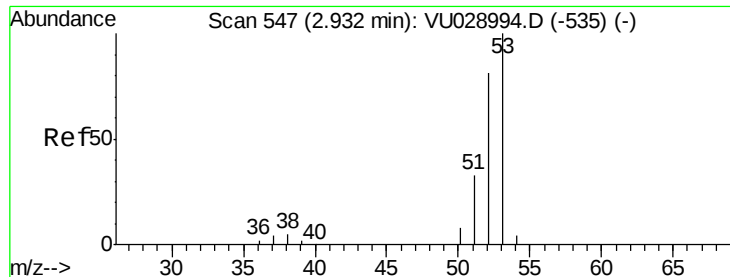


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 95.166 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

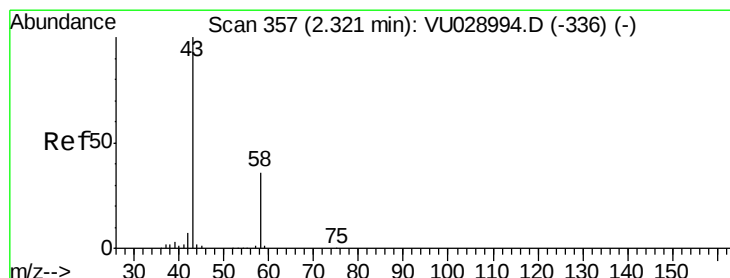
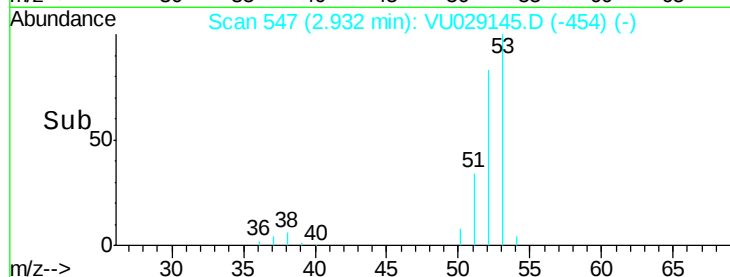
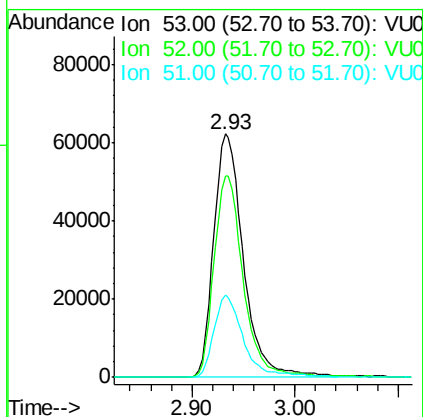
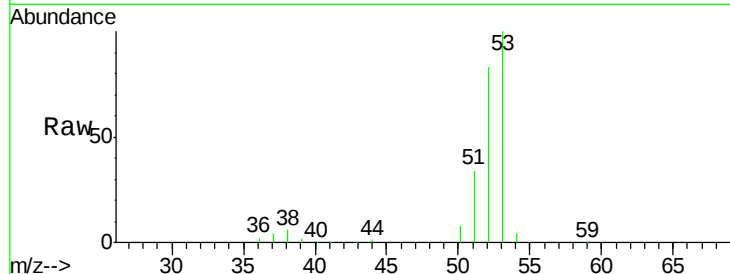
ClientSampleId :

VU0112WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 124534 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 81.1  | 64.8  | 97.2   |
| 51       | 33.8  | 27.3  | 40.9   |

Manual Integrations  
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MMDadoda  
1/14/2019 10:59:02 AM



#16

Acetone

Concen: 97.298 ug/l

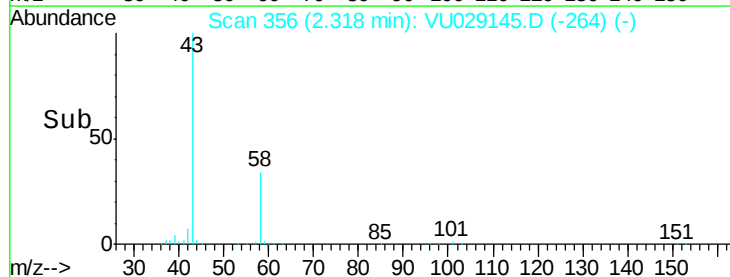
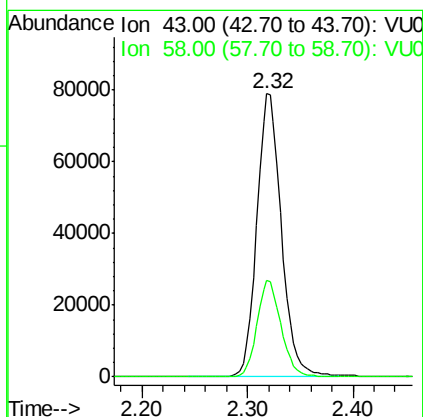
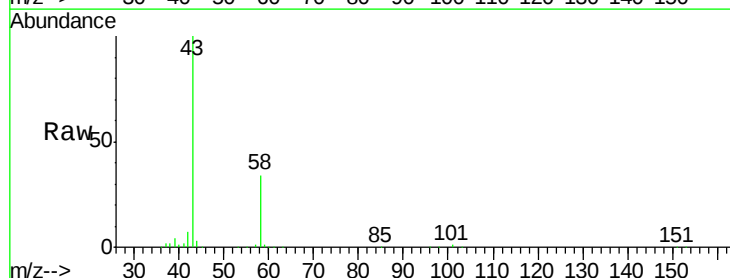
RT: 2.32 min Scan# 356

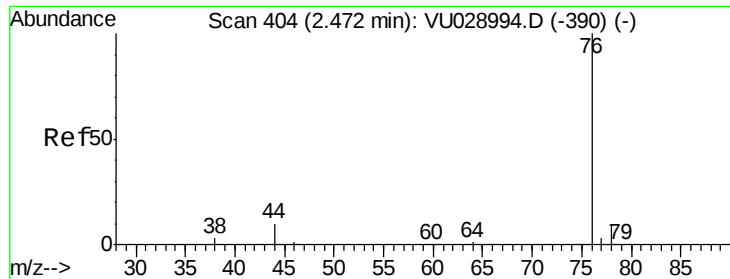
Delta R.T. -0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 128622 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 34.1  | 28.6  | 42.8   |





#17

Carbon Disulfide

Concen: 17.369 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0112WBS01

Tot Ion: 76 Resp: 103381

Ion Ratio Lower Upper

76 100

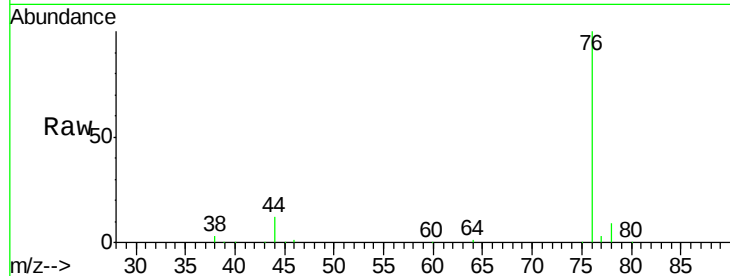
78 9.1 7.2 10.8

Manual Integrations

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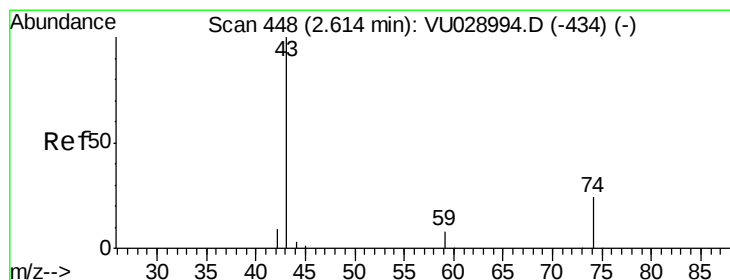
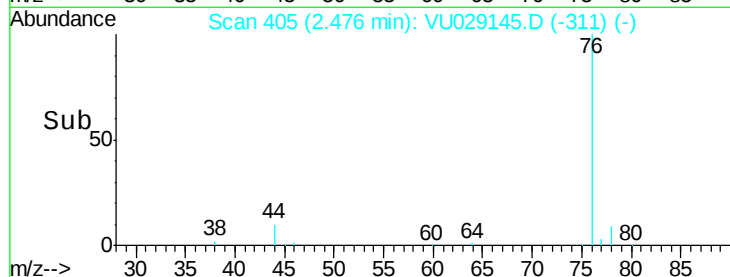
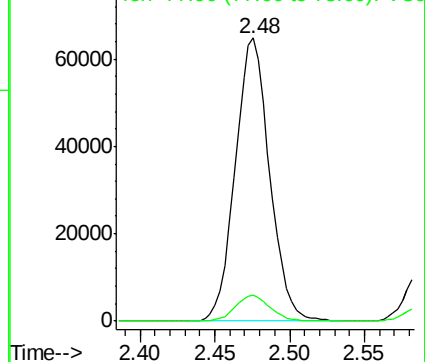
MMDadoda

1/14/2019 10:59:02 AM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 19.975 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029145.D

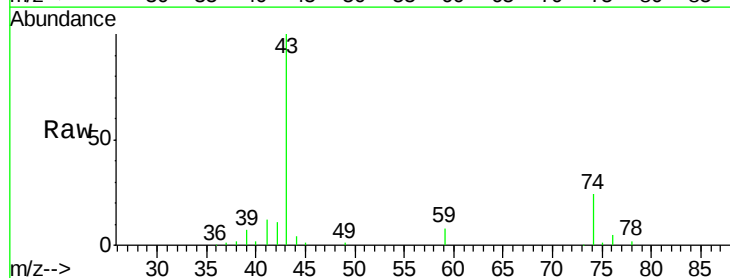
Acq: 11 Jan 2019 16:41

Tgt Ion: 43 Resp: 61399

Ion Ratio Lower Upper

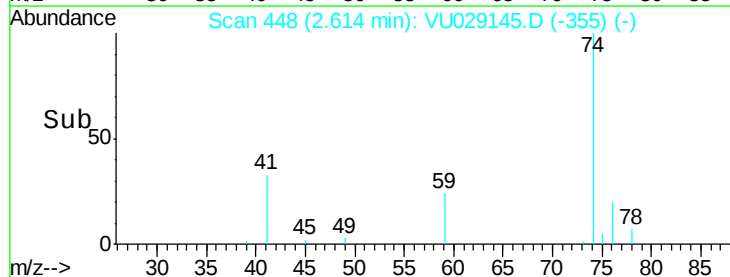
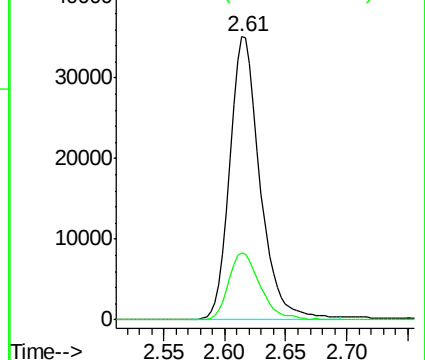
43 100

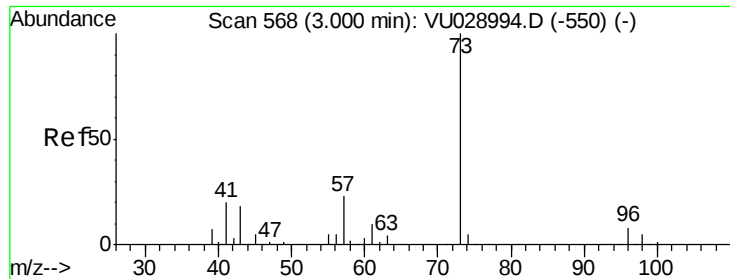
74 24.5 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





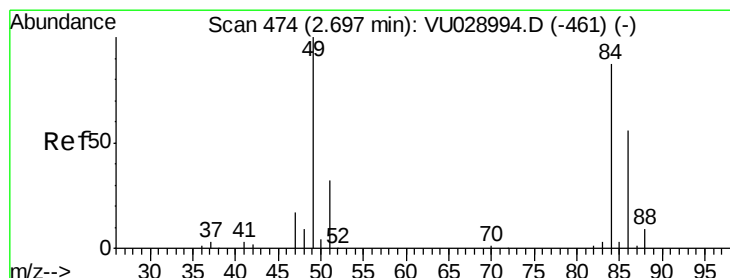
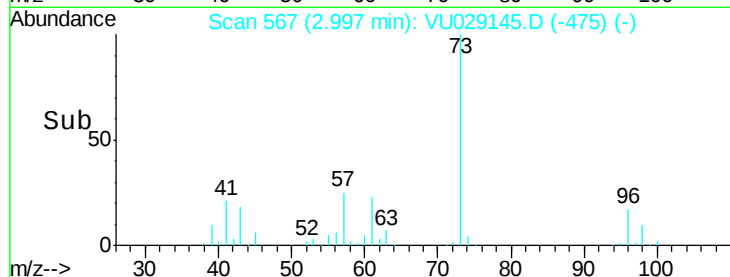
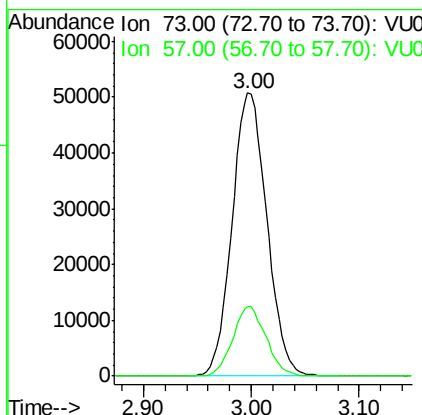
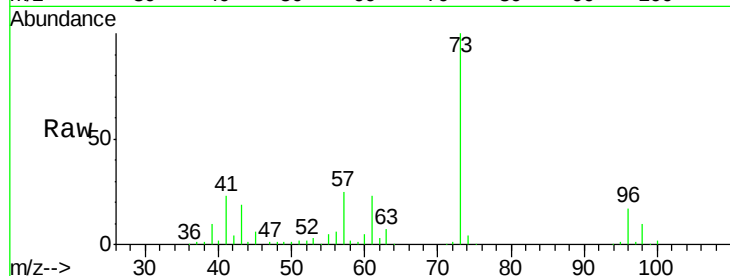
#19  
Methvl tert-butvl Ether  
Concen: 18.440 ug/l  
RT: 3.00 min Scan# 567  
Delta R.T. -0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

Tot Ion: 73 Resp: 114136  
Ion Ratio Lower Upper  
73 100  
57 24.7 18.6 28.0

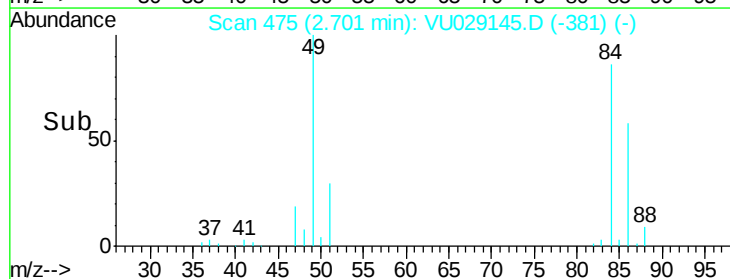
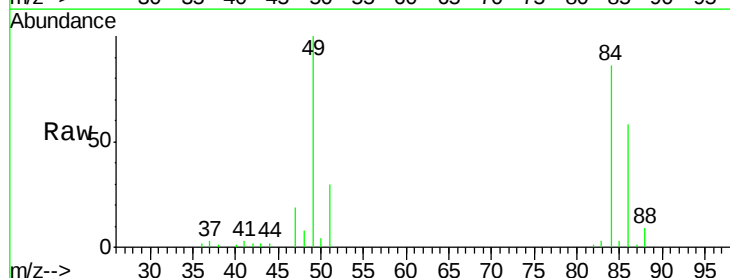
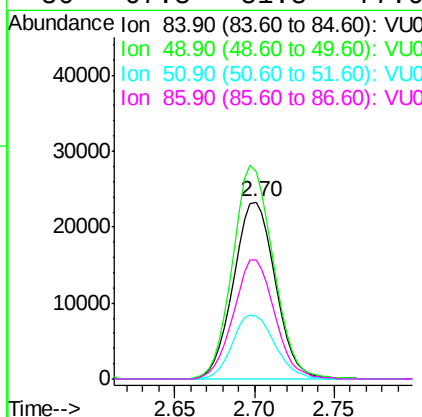
Manual Integrations  
APPROVED

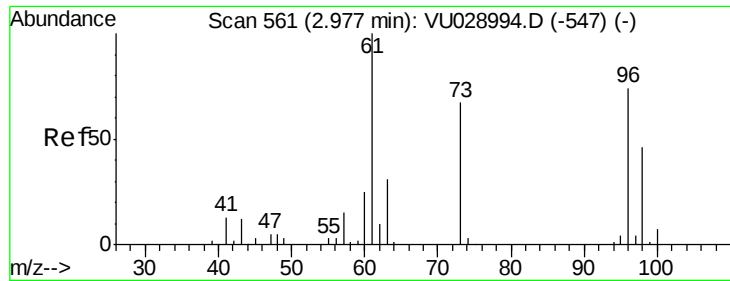
MMDadoda  
1/14/2019 10:59:02 AM



#20  
Methylene Chloride  
Concen: 18.511 ug/l  
RT: 2.70 min Scan# 475  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Tgt Ion: 84 Resp: 41548  
Ion Ratio Lower Upper  
84 100  
49 116.9 91.9 137.9  
51 35.5 29.2 43.8  
86 67.3 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 18.091 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0112WBS01

Tot Ion: 96 Resp: 37005

Ion Ratio Lower Upper

96 100

61 139.2 107.7 161.5

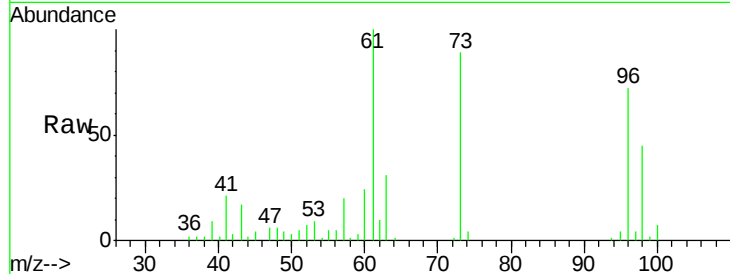
98 62.6 49.2 73.8

Manual Integrations

APPROVED

MMDadoda

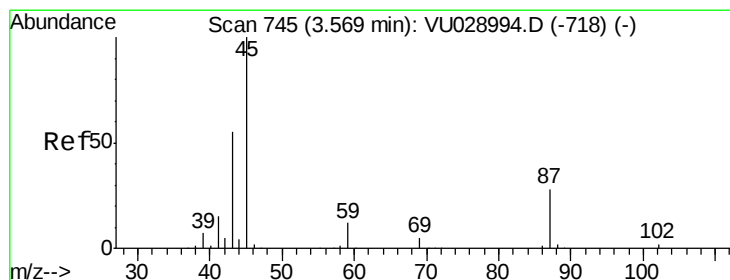
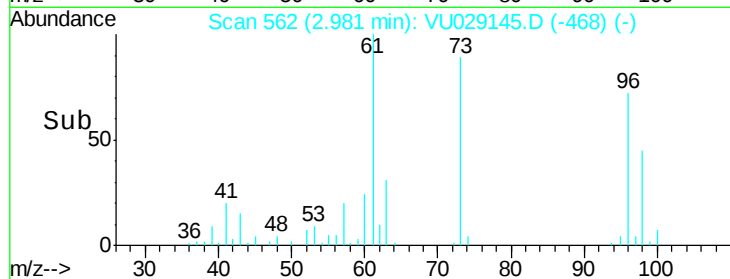
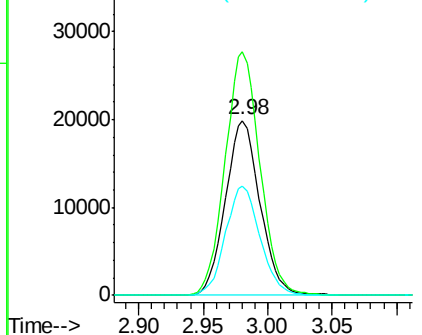
1/14/2019 10:59:02 AM



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 19.554 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Tgt Ion: 45 Resp: 124841

Ion Ratio Lower Upper

45 100

43 61.3 44.7 67.1

87 27.4 22.2 33.2

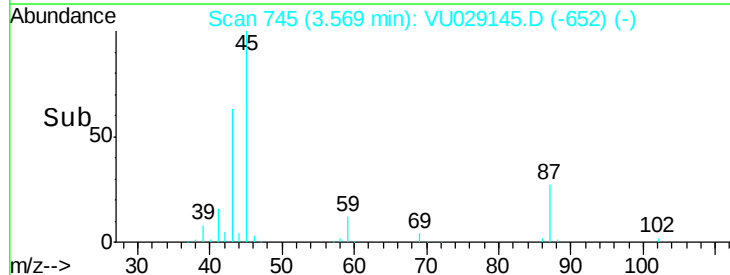
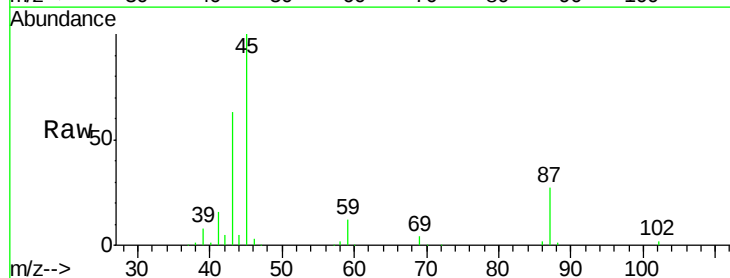
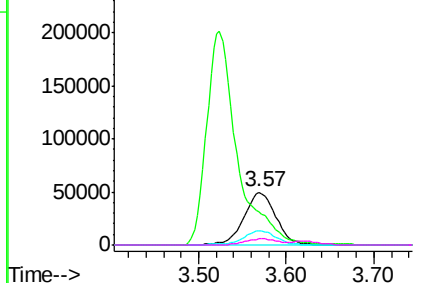
59 11.7 9.8 14.8

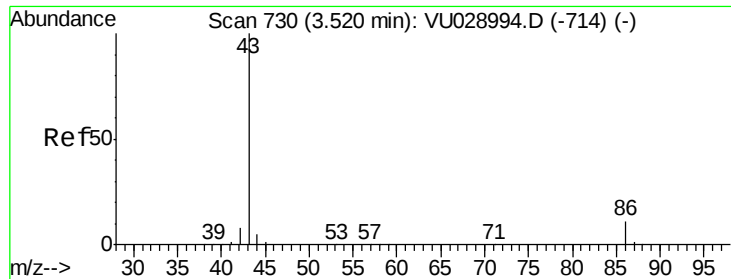
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 94.580 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Tot Ion: 43 Resp: 493635

Ion Ratio Lower Upper

43 100

86 10.8 8.6 13.0

Instrument :

MSVOA\_U

ClientSampleId :

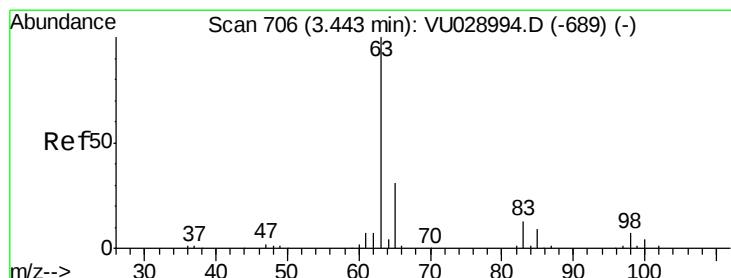
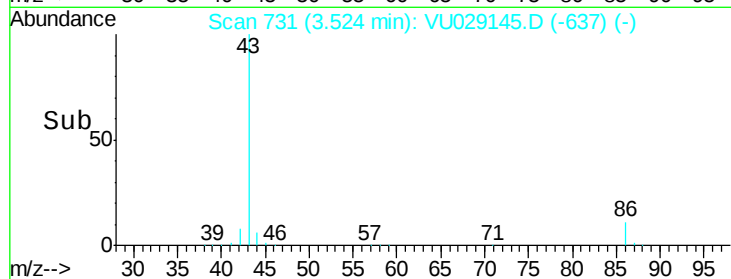
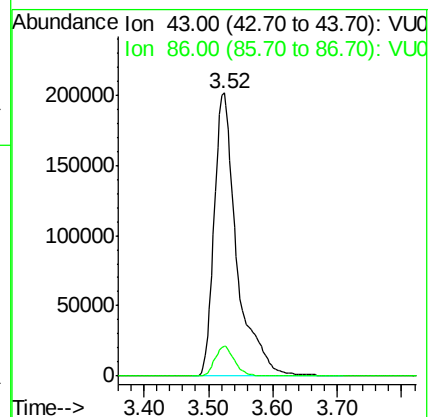
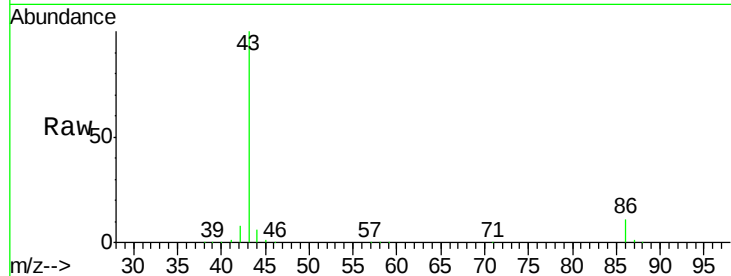
VU0112WBS01

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#24

1,1-Dichloroethane

Concen: 19.398 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

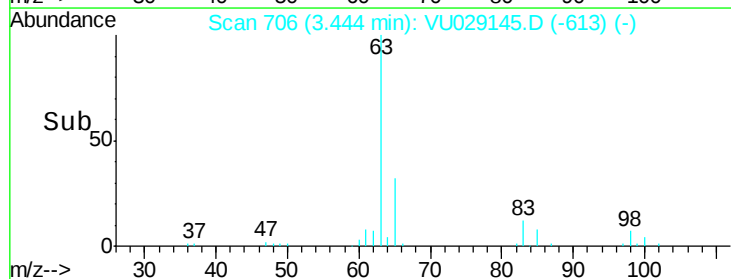
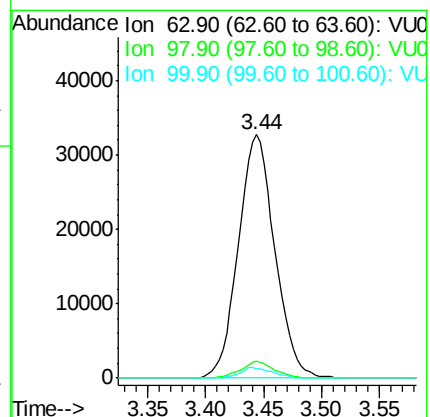
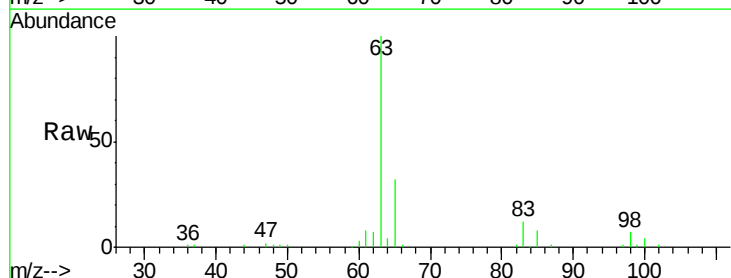
Tgt Ion: 63 Resp: 71490

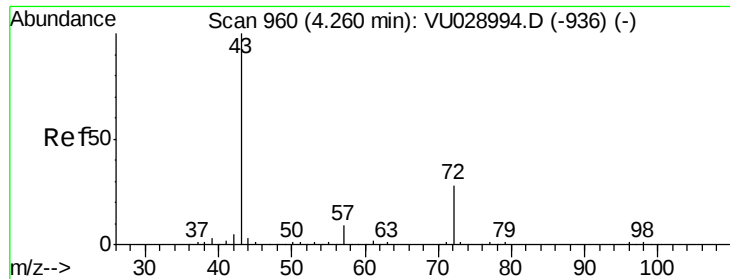
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

100 4.1 2.0 5.8





#25

2-Butanone

Concen: 97.255 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0112WBS01

Tot Ion: 43 Resp: 173646

Ion Ratio Lower Upper

43 100

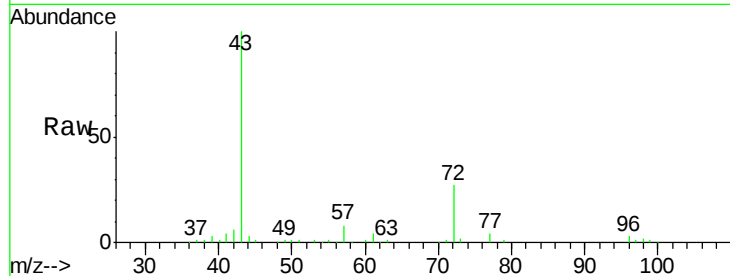
72 27.1 22.6 33.8

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

80000

60000

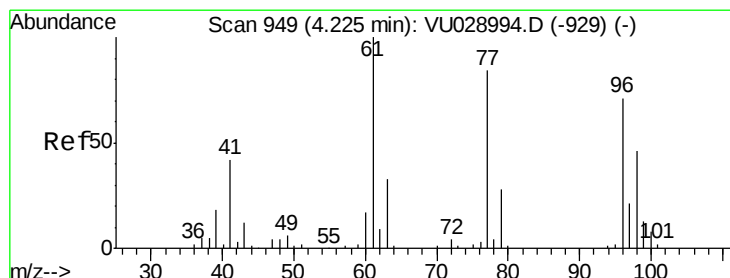
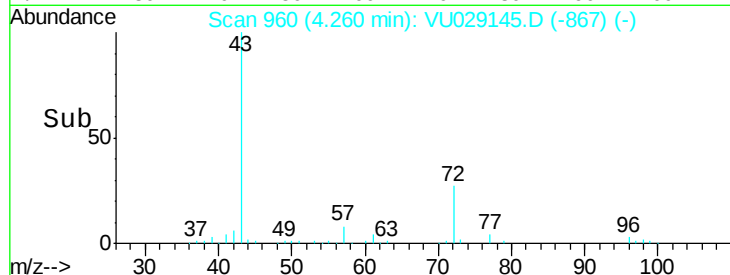
40000

20000

0

4.15 4.20 4.25 4.30 4.35

Time-->



#26

2,2-Dichloropropane

Concen: 19.684 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029145.D

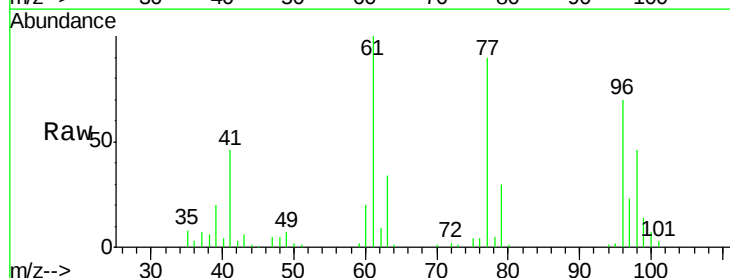
Acq: 11 Jan 2019 16:41

Tgt Ion: 77 Resp: 58618

Ion Ratio Lower Upper

77 100

97 24.9 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

25000

20000

15000

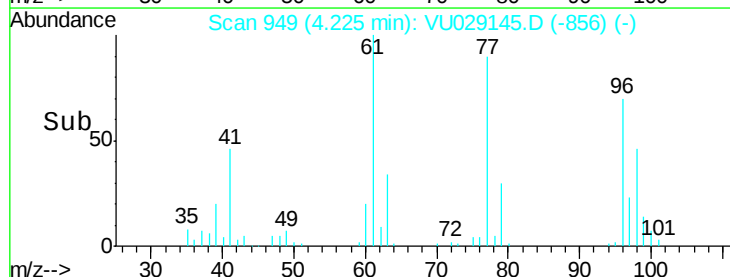
10000

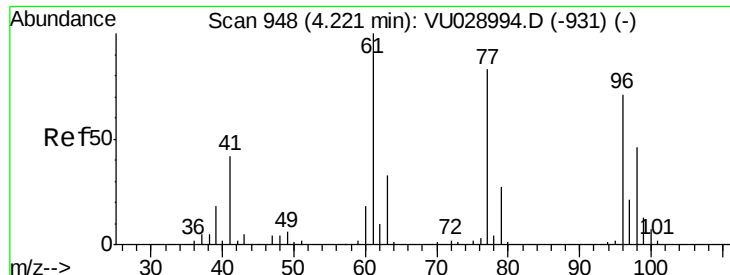
5000

0

4.10 4.20 4.30

Time-->





#27

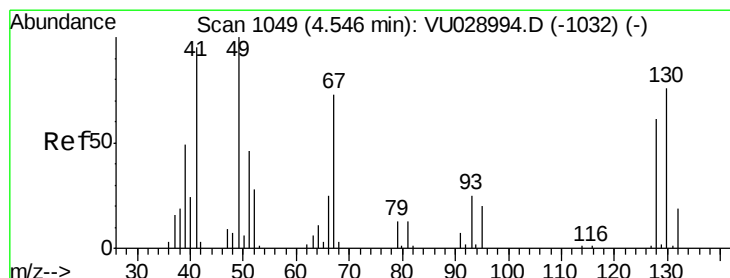
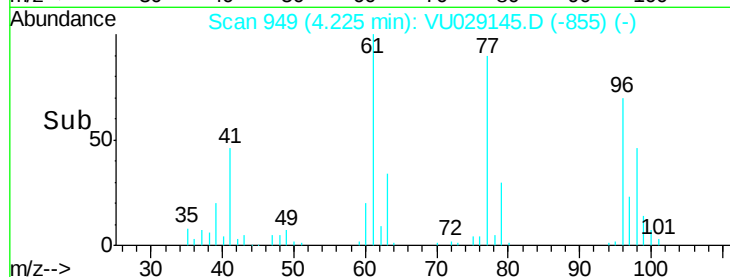
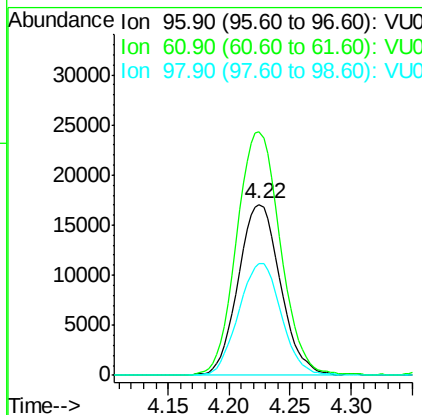
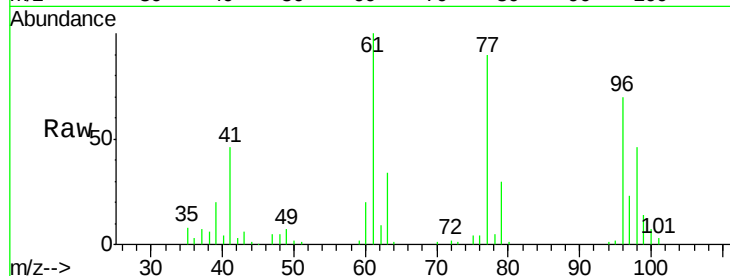
cis-1,2-Dichloroethene  
Concen: 18.259 ug/l  
RT: 4.22 min Scan# 949  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 147.7 | 0.0   | 285.6 |
| 98      | 66.1  | 0.0   | 130.2 |

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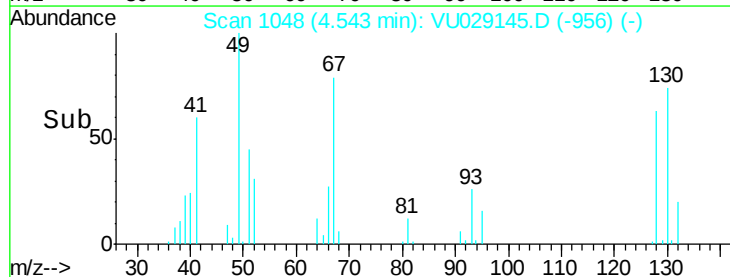
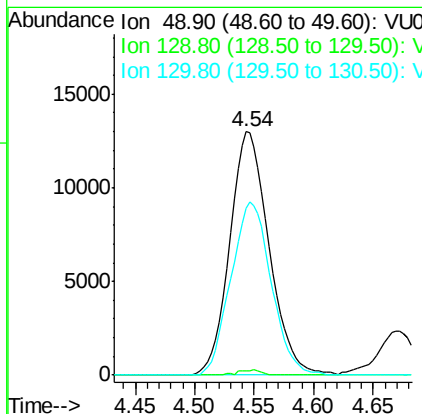
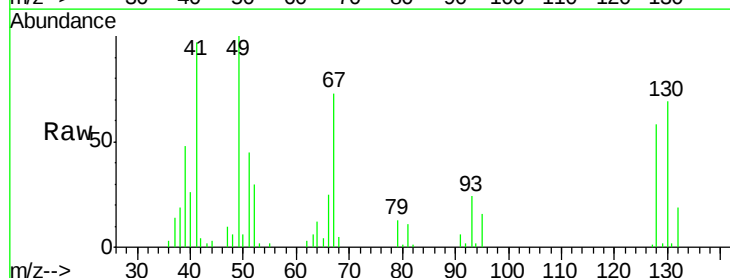
MMDadoda  
1/14/2019 10:59:02 AM

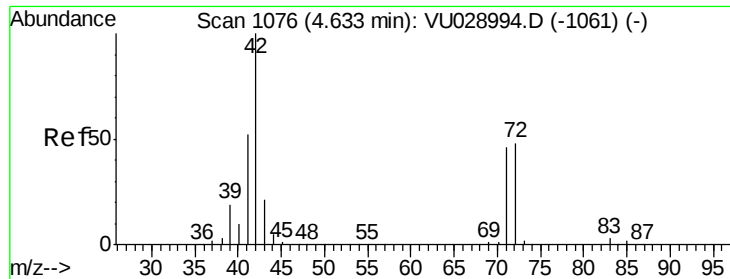


#28

Bromochloromethane  
Concen: 18.817 ug/l  
RT: 4.54 min Scan# 1048  
Delta R.T. -0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.3   | 0.0   | 3.4   |
| 130     | 72.8  | 62.9  | 94.3  |





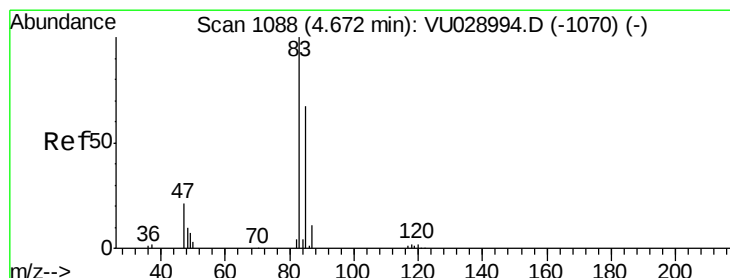
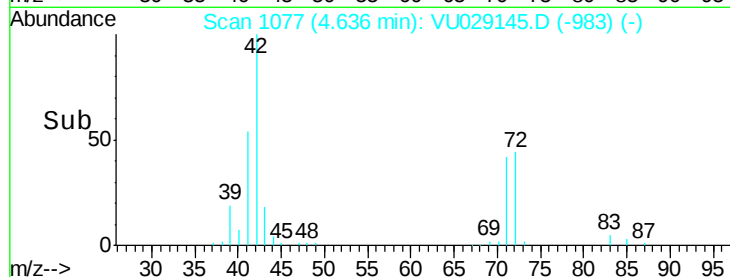
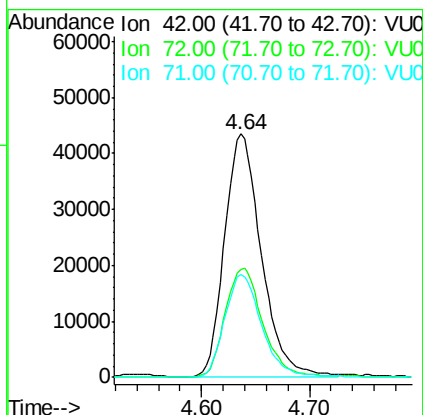
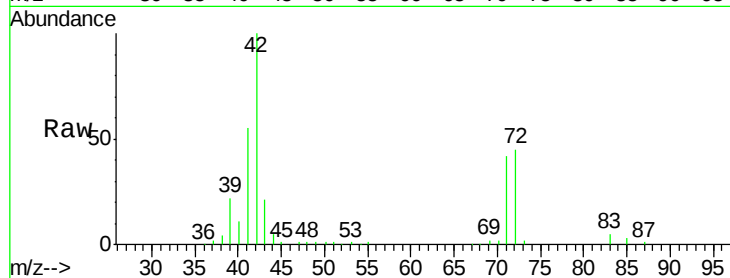
#29  
Tetrahydrofuran  
Concen: 95.602 ug/l  
RT: 4.64 min Scan# 1077  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 46.0  | 38.3  | 57.5  |
| 71      | 42.5  | 36.1  | 54.1  |

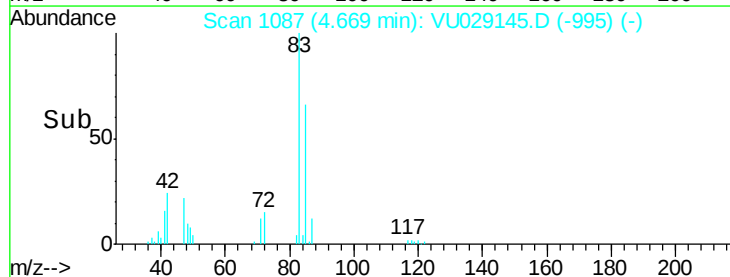
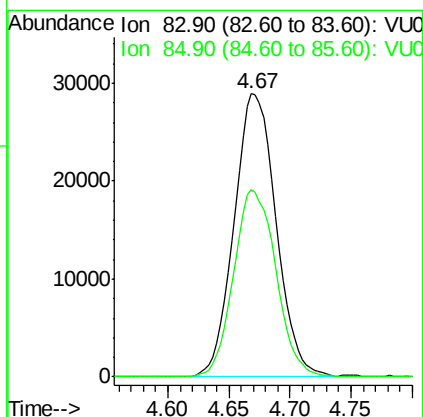
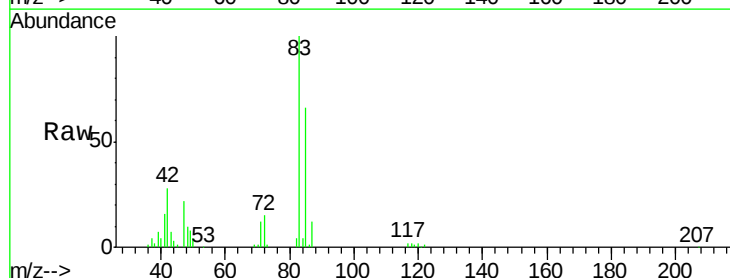
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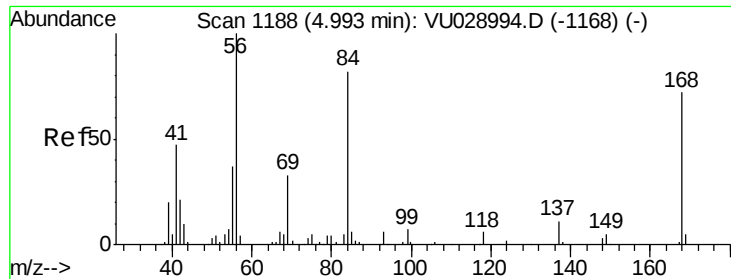
MMDadoda  
1/14/2019 10:59:02 AM



#30  
Chloroform  
Concen: 19.654 ug/l  
RT: 4.67 min Scan# 1087  
Delta R.T. -0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.1  | 53.4  | 80.0  |





#31

Cyclohexane

Concen: 18.382 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

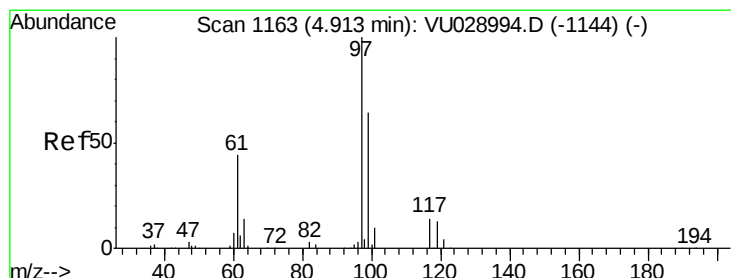
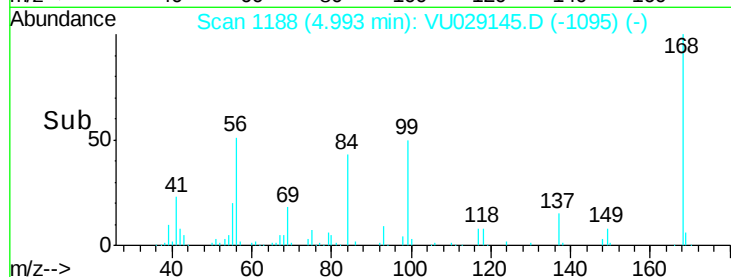
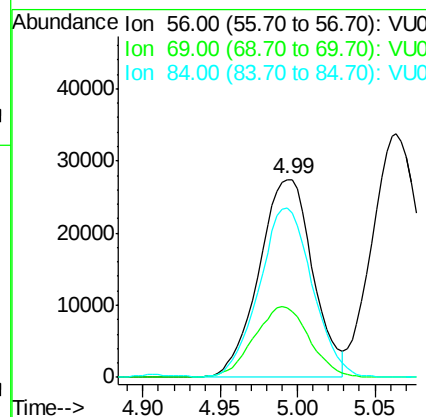
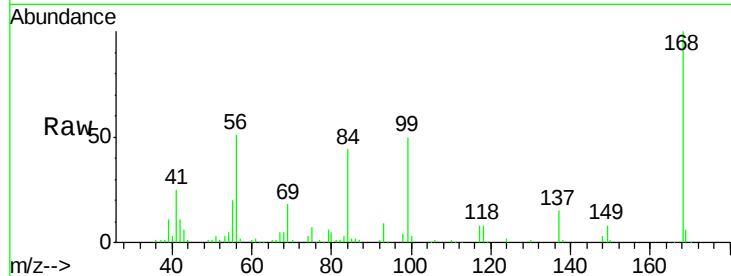
ClientSampleId :

VU0112WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 56    | Resp: | 66421 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 34.9  | 26.7  | 40.1  |
| 84       | 85.1  | 65.7  | 98.5  |

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#32

1,1,1-Trichloroethane

Concen: 19.188 ug/l

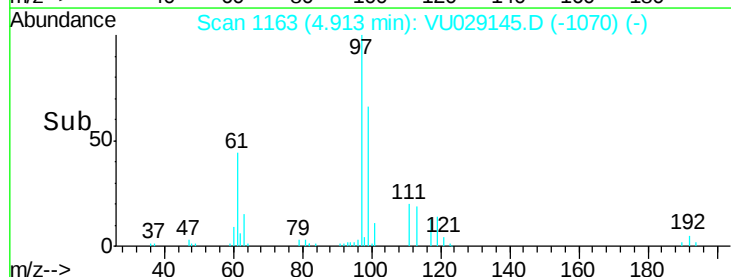
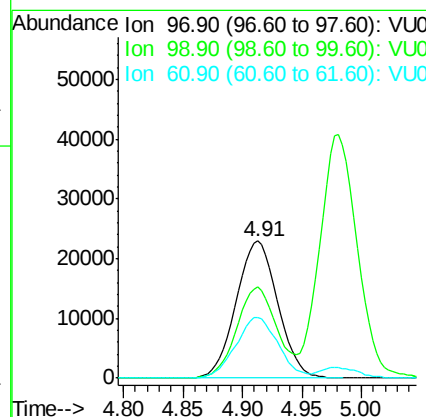
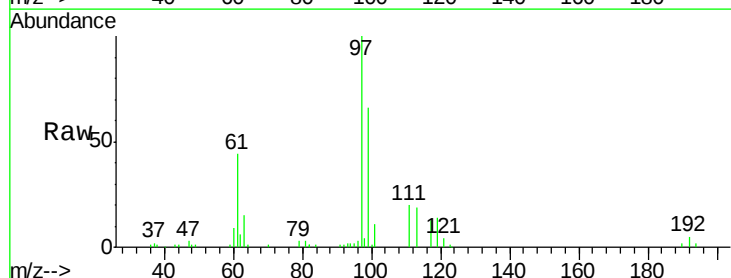
RT: 4.91 min Scan# 1163

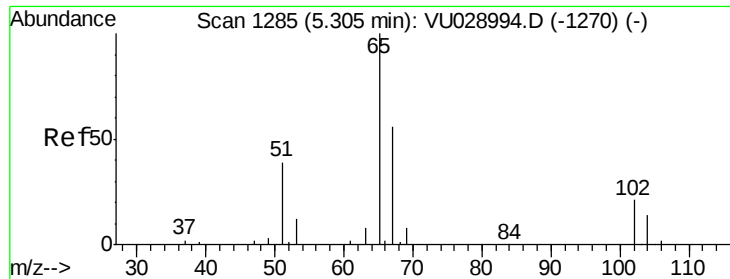
Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 55657 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 64.2  | 51.0  | 76.4  |
| 61       | 44.8  | 34.4  | 51.6  |





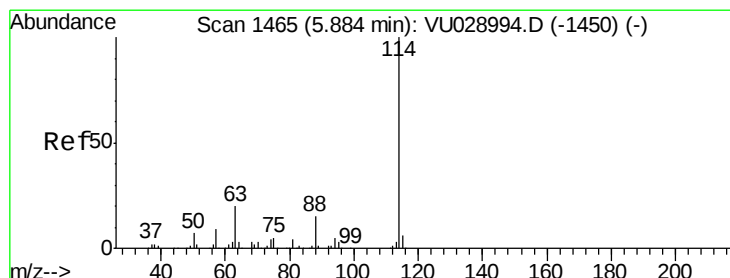
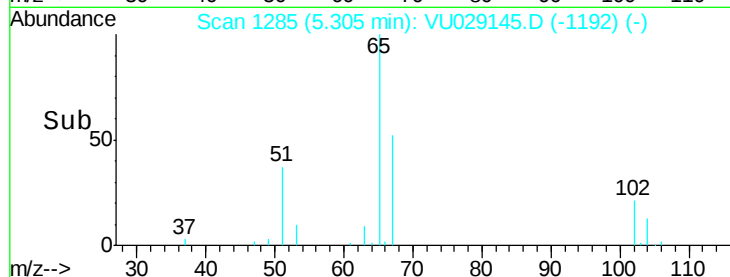
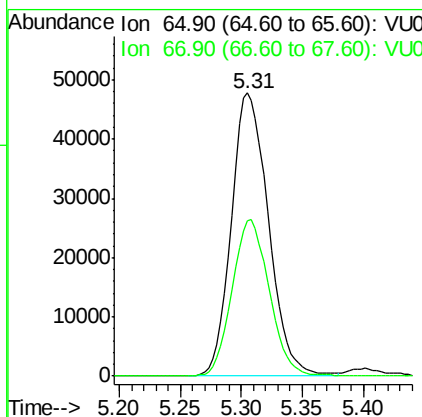
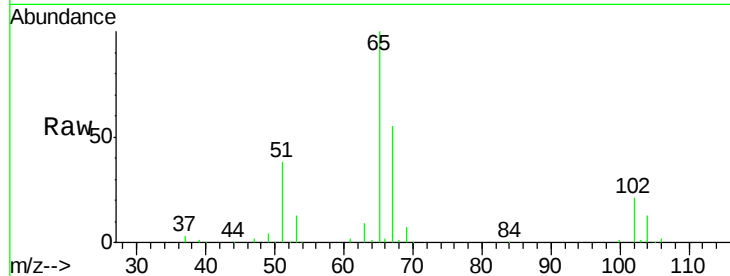
#33  
 1,2-Dichloroethane-d4  
 Concen: 48.164 ug/l  
 RT: 5.31 min Scan# 1285  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 VU0112WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 101070 |       |       |
| 67      | 55.1  | 0.0    | 111.0 |       |

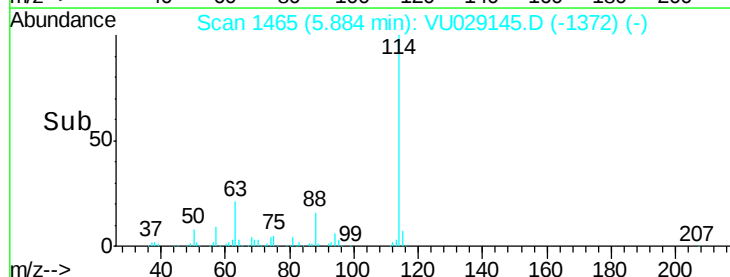
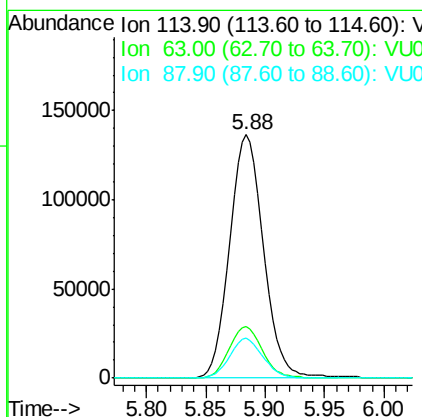
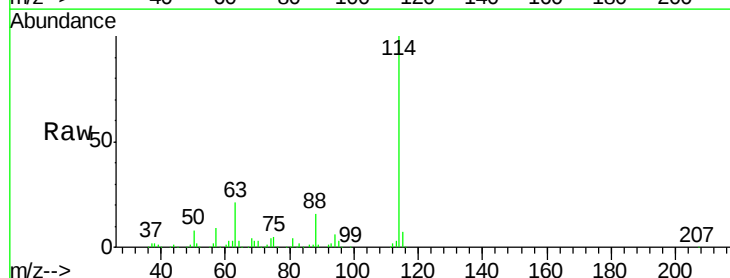
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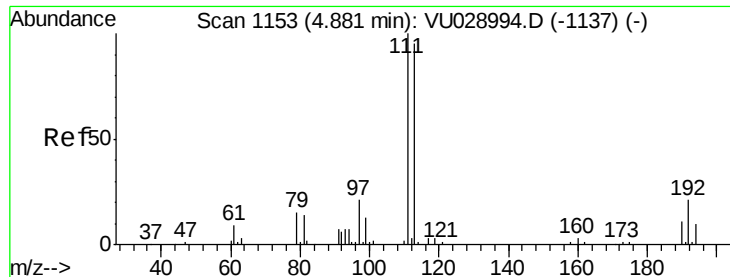
MMDadoda  
 1/14/2019 10:59:02 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.88 min Scan# 1465  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 269299 |       |       |
| 63      | 21.2  | 0.0    | 40.2  |       |
| 88      | 16.2  | 0.0    | 30.4  |       |





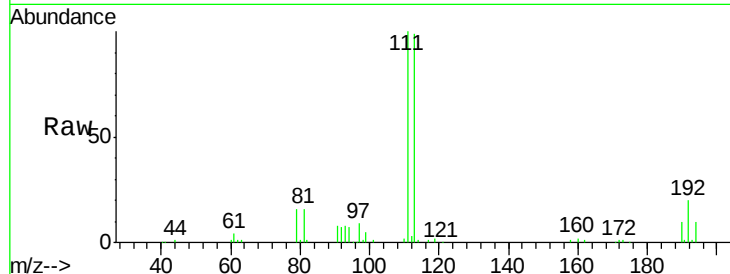
#35  
 Dibromofluoromethane  
 Concen: 48.874 ug/l  
 RT: 4.88 min Scan# 1153  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0112WBS01

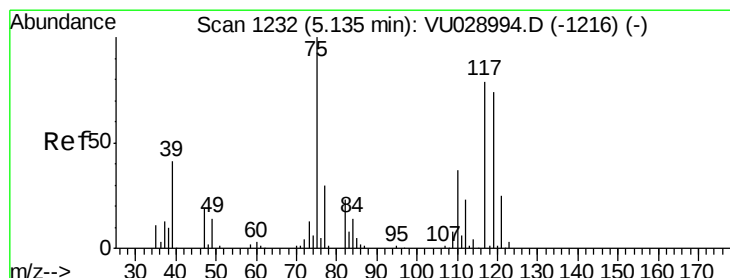
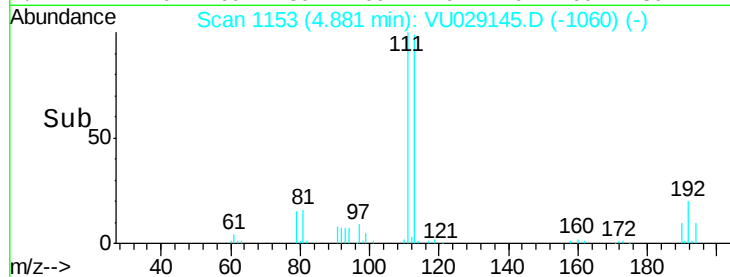
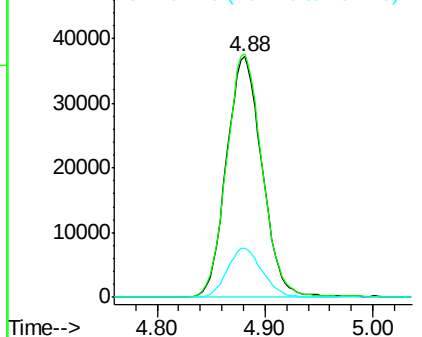
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.0 | 81.4  | 122.2 |
| 192     | 20.1  | 16.8  | 25.2  |

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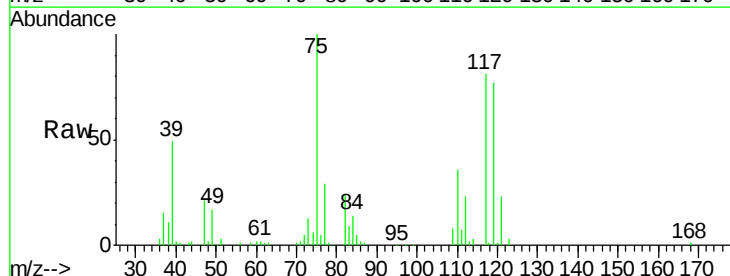


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

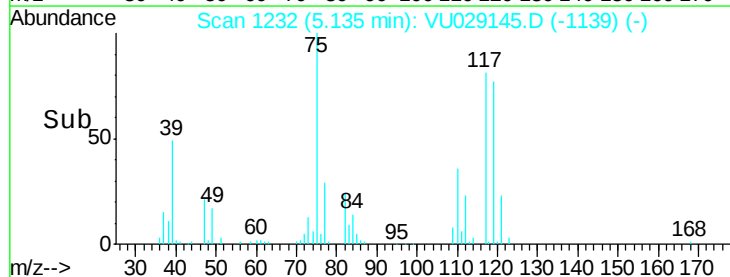
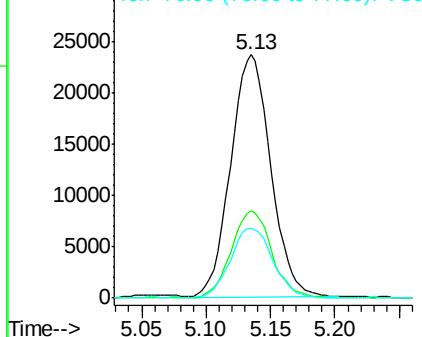


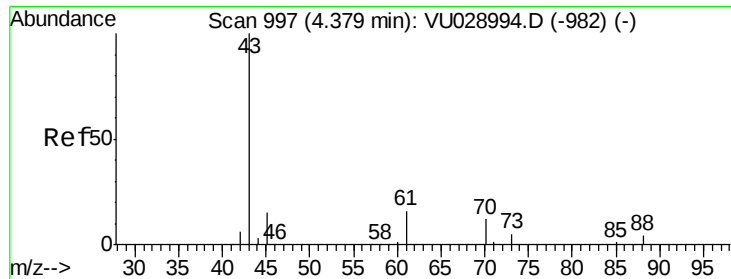
#36  
 1,1-Dichloropropene  
 Concen: 19.005 ug/l  
 RT: 5.13 min Scan# 1232  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.4  | 18.4  | 55.4  |
| 77      | 30.8  | 25.1  | 37.7  |



Abundance Ion 74.90 (74.60 to 75.60): VU0  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.90 (76.60 to 77.60): VU0





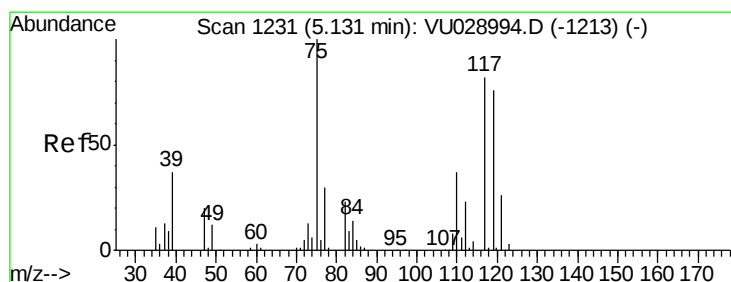
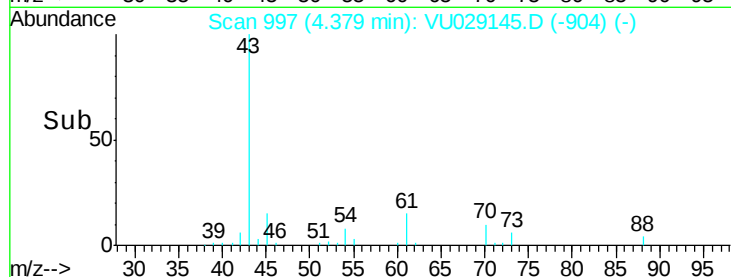
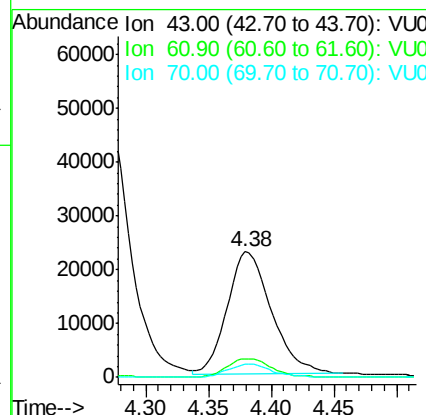
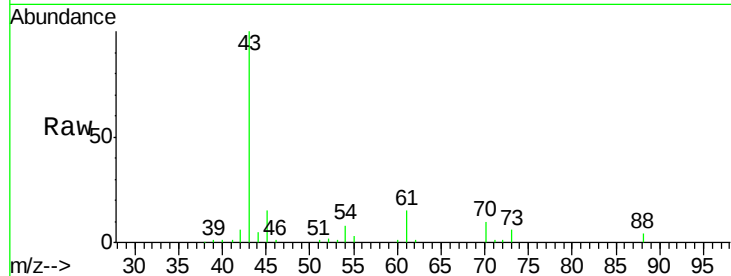
#37  
Ethyl Acetate  
Concen: 19.050 ug/l  
RT: 4.38 min Scan# 997  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.5  | 12.6  | 18.8  |
| 70      | 10.9  | 9.3   | 13.9  |

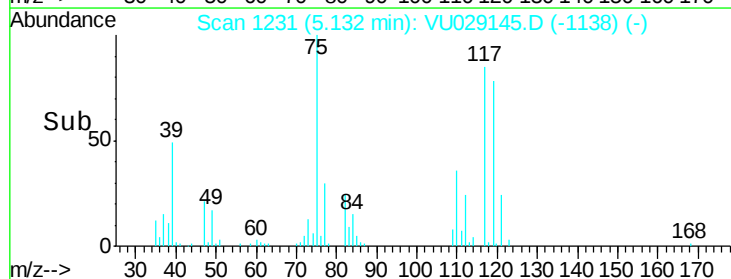
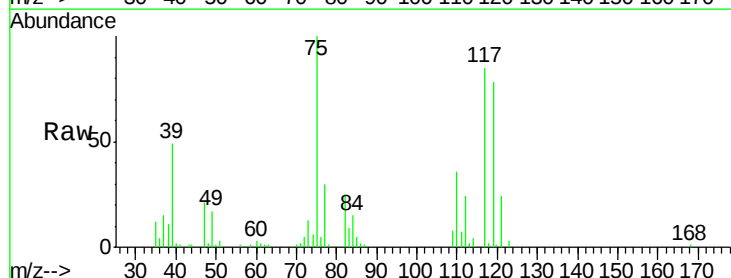
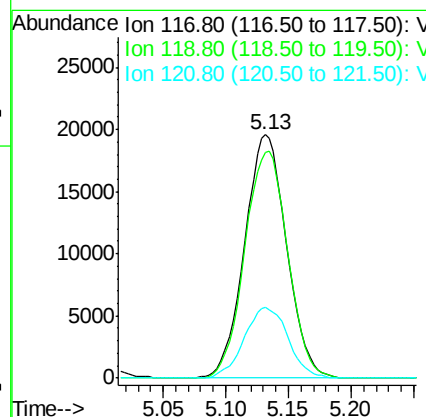
Manual Integrations  
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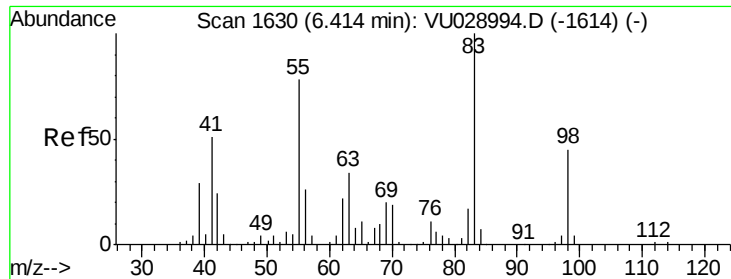
MMDadoda  
1/14/2019 10:59:02 AM



#38  
Carbon Tetrachloride  
Concen: 20.292 ug/l  
RT: 5.13 min Scan# 1231  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 92.5  | 74.6  | 111.8 |
| 121     | 28.8  | 25.0  | 37.6  |





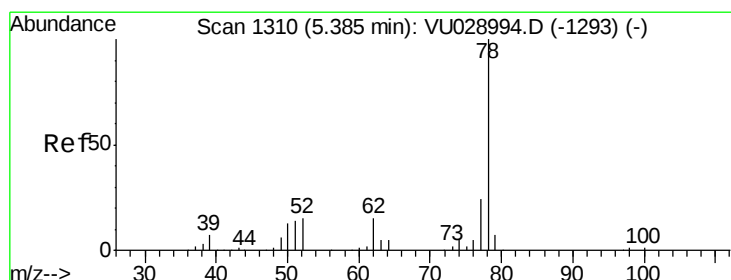
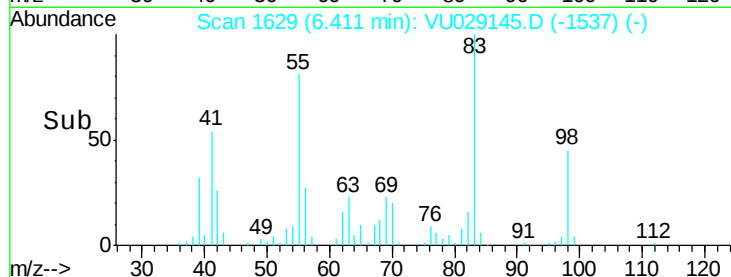
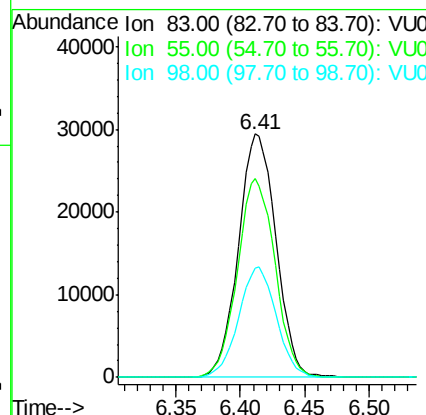
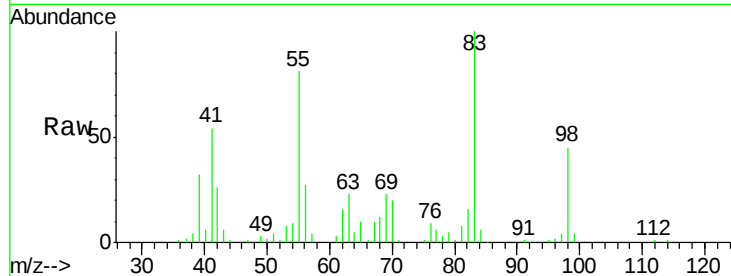
#39  
Methylvlcvclohexane  
Concen: 18.036 ug/l  
RT: 6.41 min Scan# 1629  
Delta R.T. -0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 81.4  | 62.4  | 93.6  |
| 98      | 44.6  | 36.2  | 54.2  |

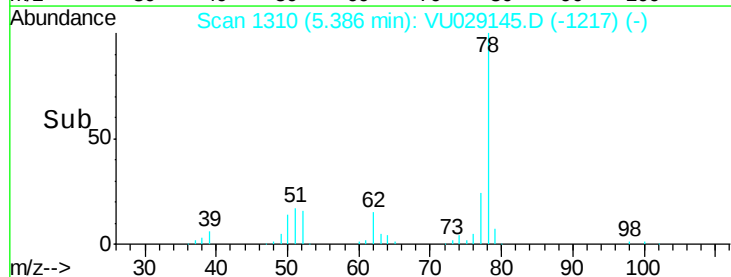
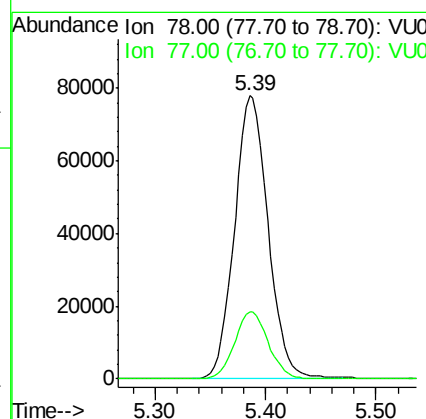
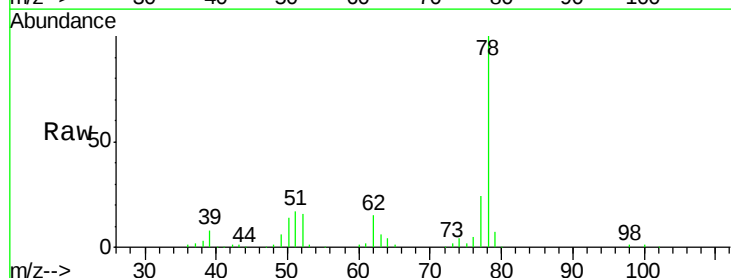
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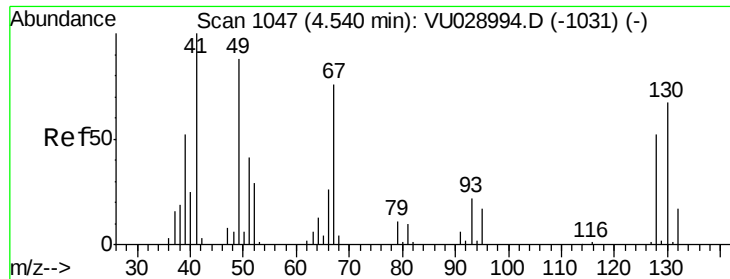
MMDadoda  
1/14/2019 10:59:02 AM



#40  
Benzene  
Concen: 19.577 ug/l  
RT: 5.39 min Scan# 1310  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.7  | 18.9  | 28.3  |





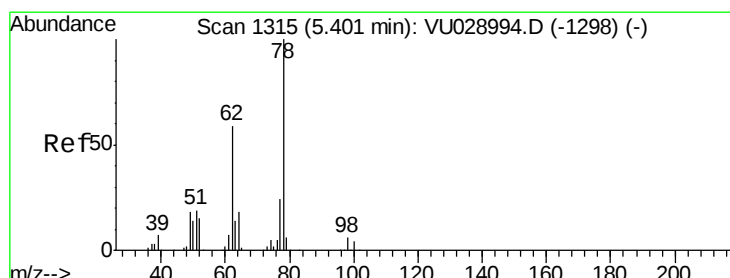
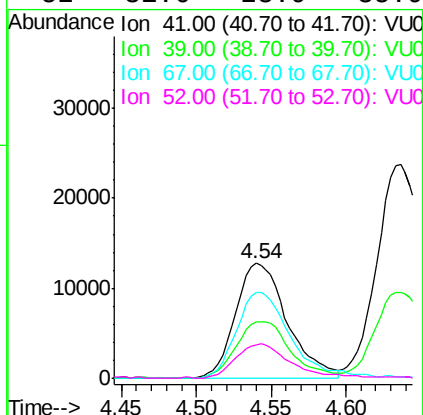
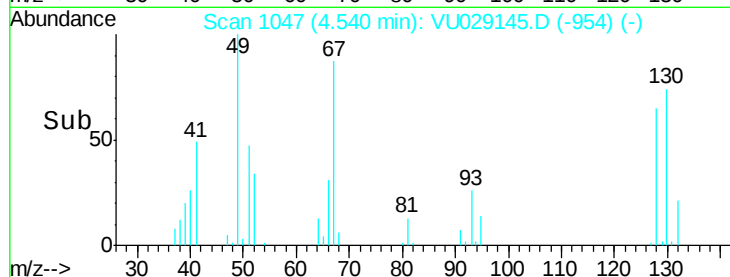
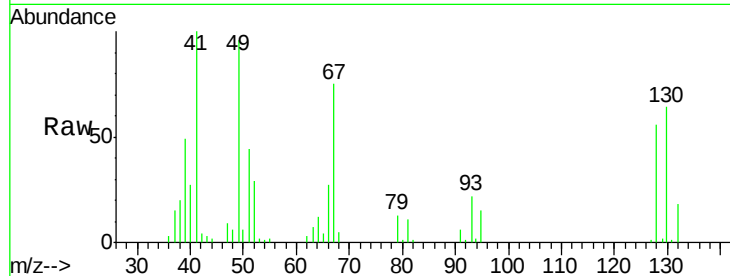
#41  
Methacrylonitrile  
Concen: 19.451 ug/l  
RT: 4.54 min Scan# 1047  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 51.9 | 42.3  | 63.5  |       |
| 67      | 78.1 | 64.4  | 96.6  |       |
| 52      | 31.6 | 23.9  | 35.9  |       |

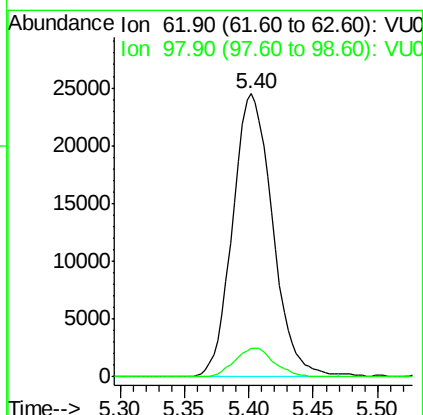
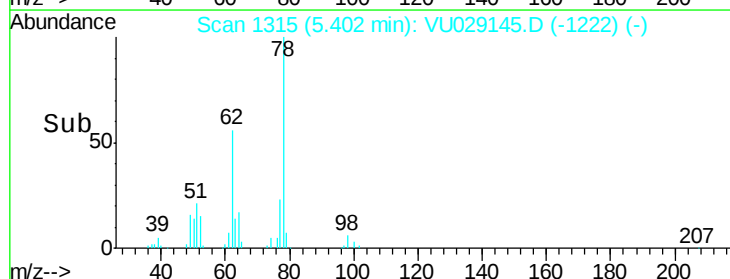
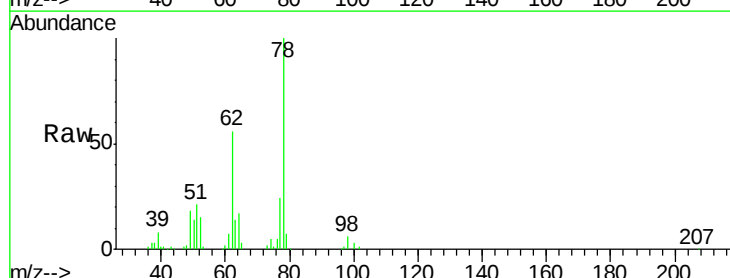
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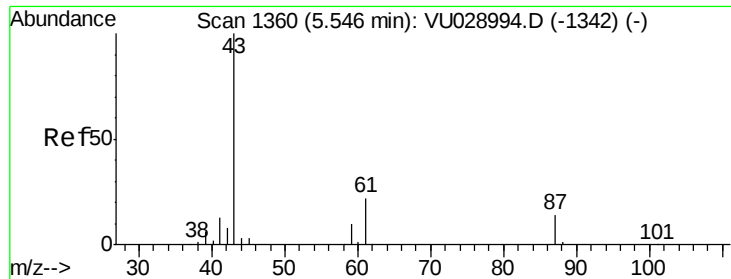
MMDadoda  
1/14/2019 10:59:02 AM



#42  
1,2-Dichloroethane  
Concen: 20.940 ug/l  
RT: 5.40 min Scan# 1315  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 62      | 100  |       |       |       |
| 98      | 10.0 | 0.0   | 19.6  |       |





#43

Isopropyl Acetate

Concen: 19.545 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

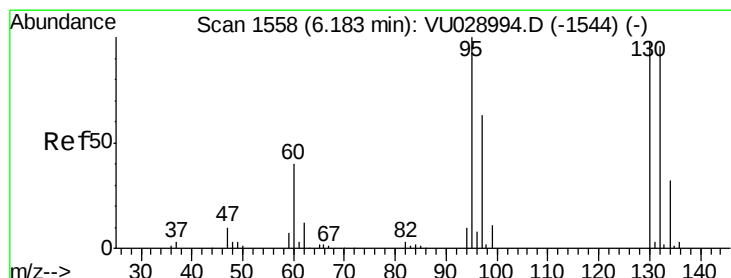
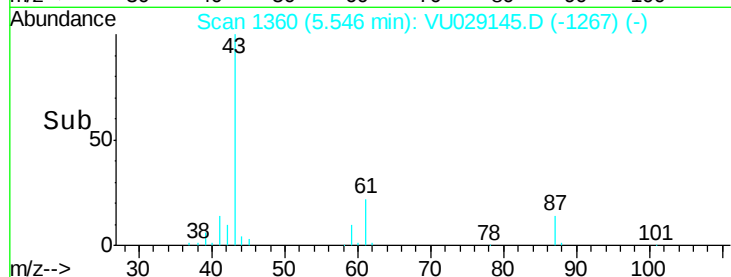
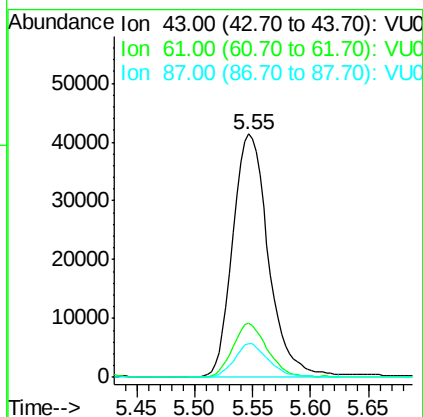
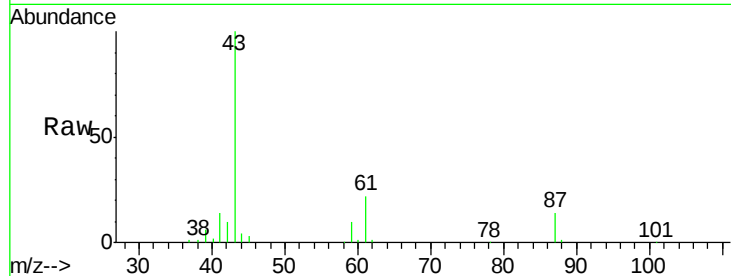
ClientSampleId :

VU0112WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 88585 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 21.4  | 17.8  | 26.6  |
| 87       | 13.1  | 11.3  | 16.9  |

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#44

Trichloroethene

Concen: 18.659 ug/l

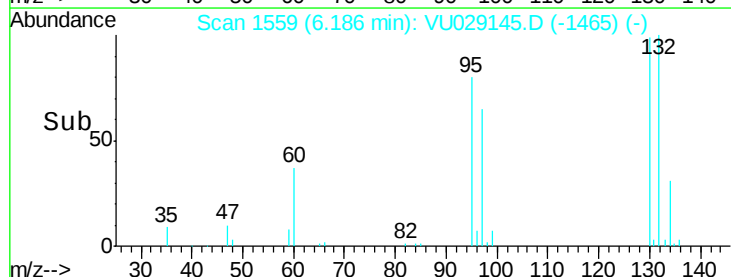
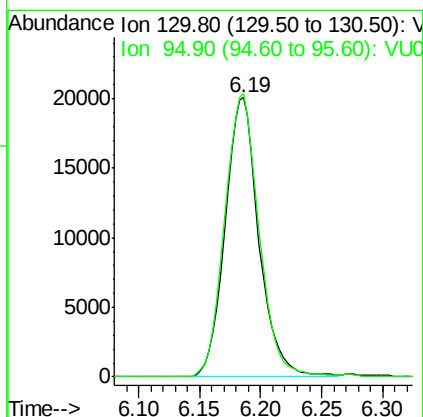
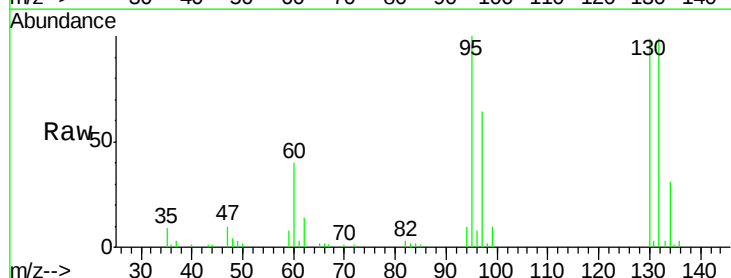
RT: 6.19 min Scan# 1559

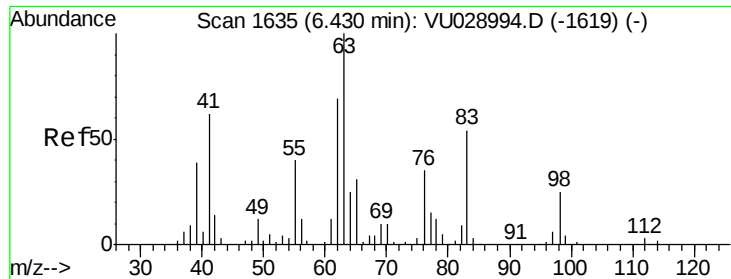
Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 38817 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 101.5 | 0.0   | 205.0 |





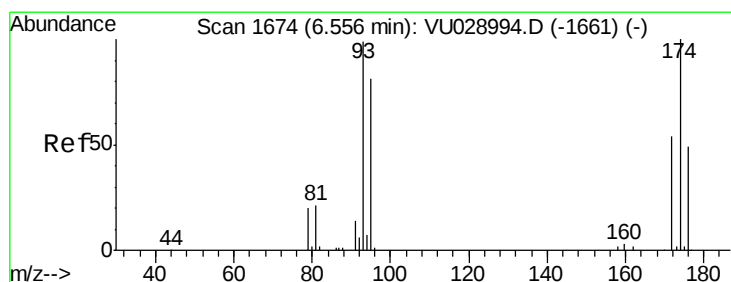
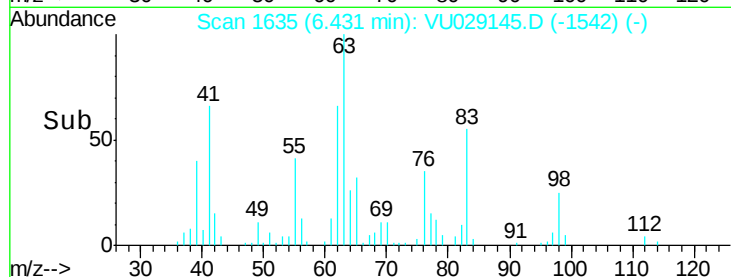
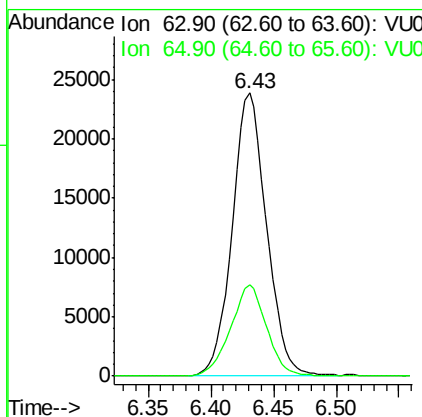
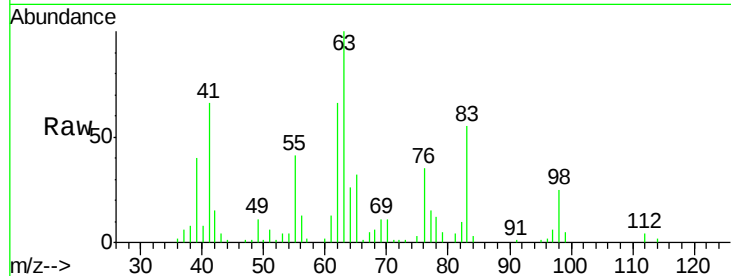
#45  
 1,2-Dichloropropane  
 Concen: 20.433 ug/l  
 RT: 6.43 min Scan# 1635  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0112WBS01

Tot Ion: 63 Resp: 45306  
 Ion Ratio Lower Upper  
 63 100  
 65 32.3 25.1 37.7

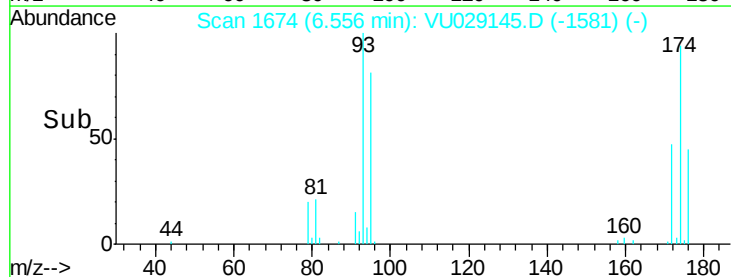
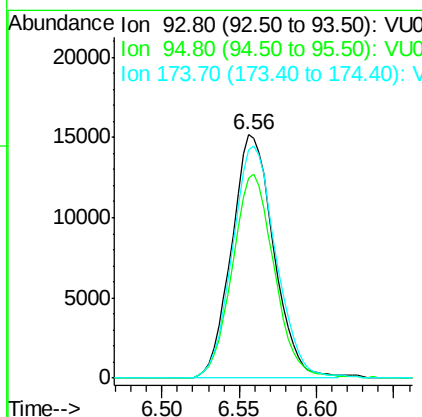
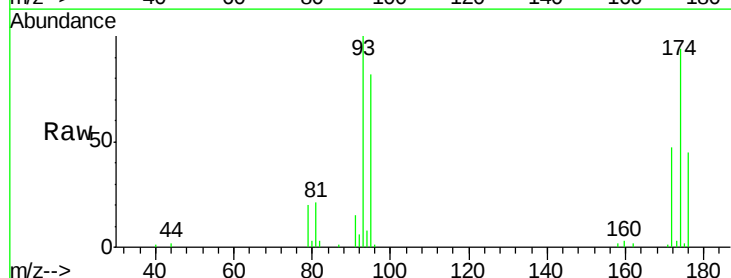
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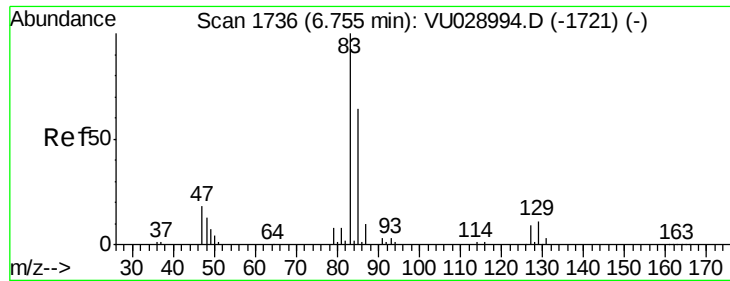
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#46  
 Dibromomethane  
 Concen: 20.278 ug/l  
 RT: 6.56 min Scan# 1674  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Tgt Ion: 93 Resp: 28743  
 Ion Ratio Lower Upper  
 93 100  
 95 83.0 67.2 100.8  
 174 98.5 82.6 123.8





#47

Bromodichloromethane

Concen: 20.568 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

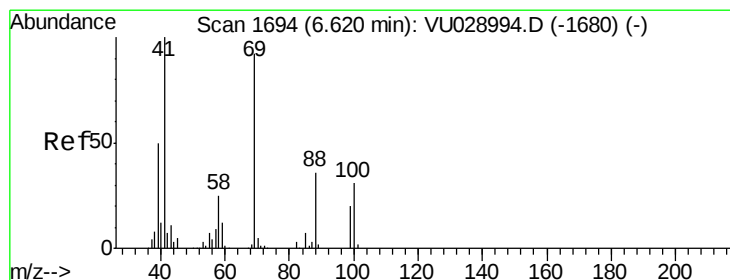
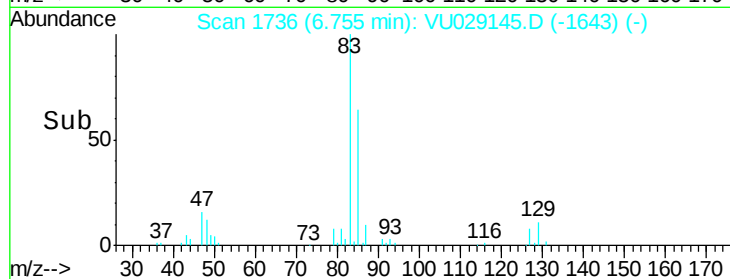
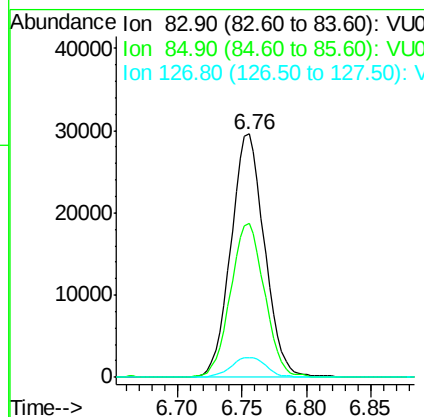
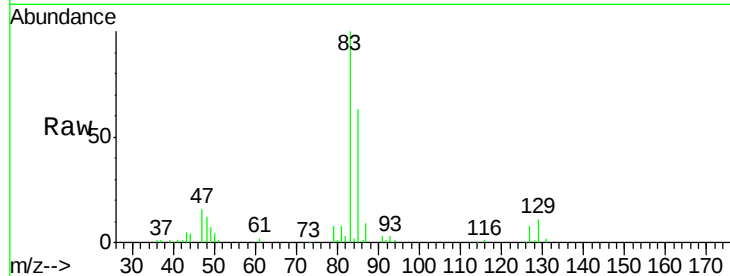
ClientSampleId :

VU0112WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 53678 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 63.1  | 51.4  | 77.2  |
| 127      | 8.1   | 7.0   | 10.4  |

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#48

Methyl methacrylate

Concen: 19.739 ug/l

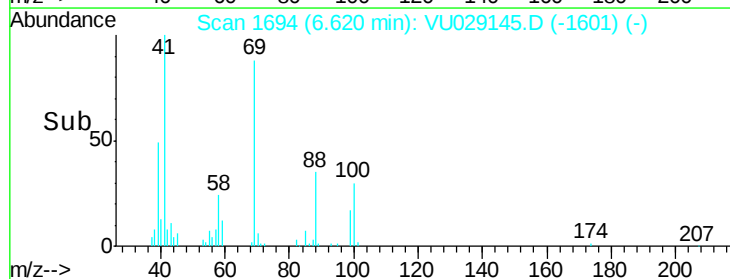
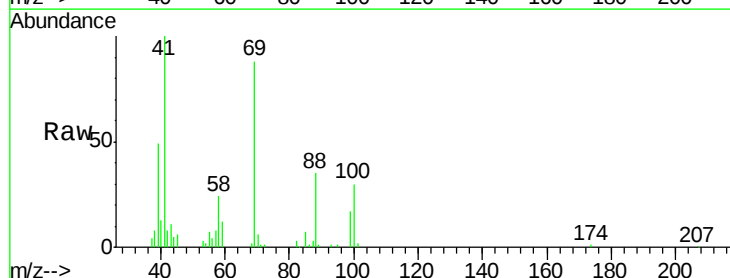
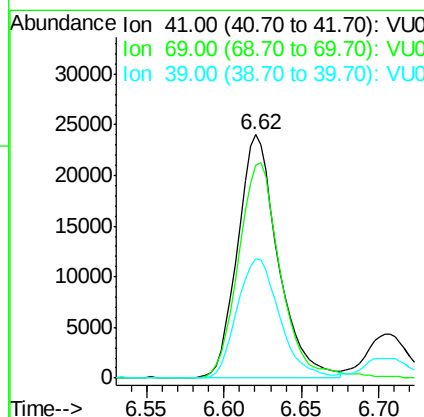
RT: 6.62 min Scan# 1694

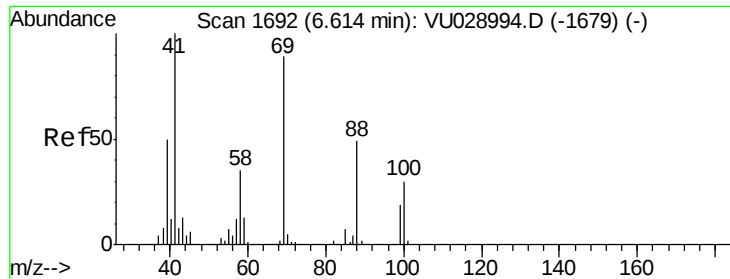
Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 43563 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 92.4  | 73.6  | 110.4 |
| 39       | 51.3  | 39.6  | 59.4  |





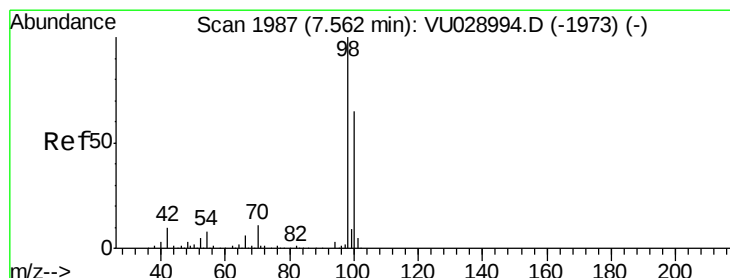
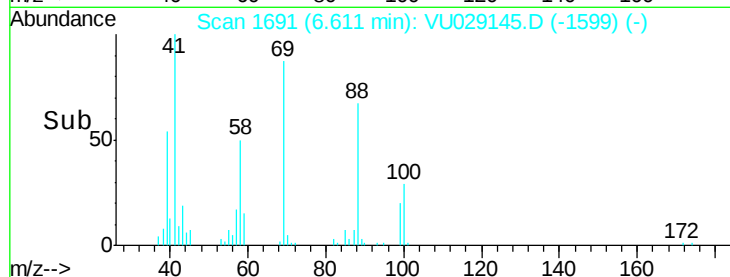
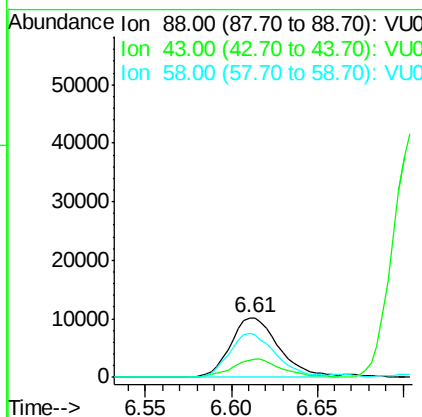
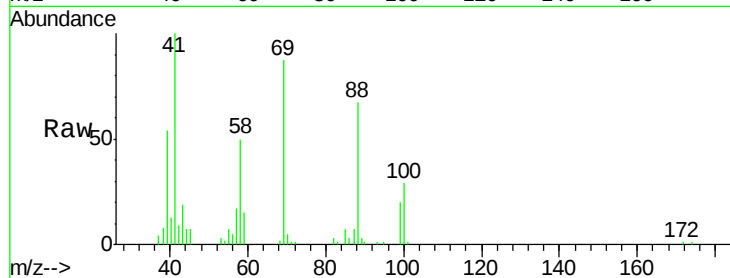
#49  
1,4-Dioxane  
Concen: 380.373 ug/l  
RT: 6.61 min Scan# 1691  
Delta R.T. -0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 31.1  | 23.0  | 34.4  |
| 58      | 71.6  | 57.9  | 86.9  |

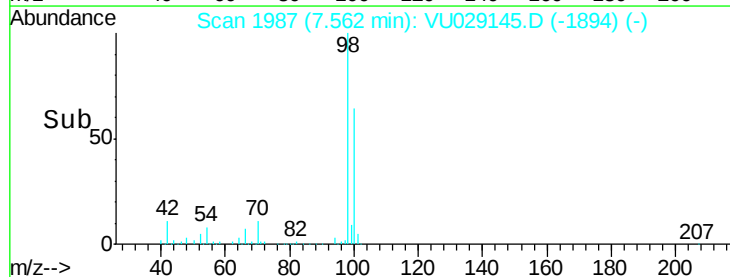
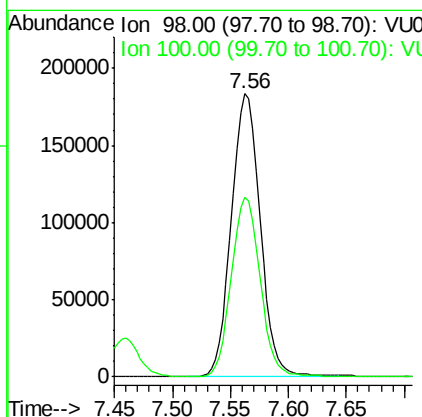
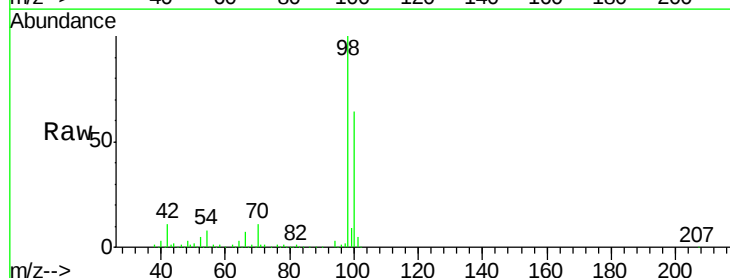
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#50  
Toluene-d8  
Concen: 46.189 ug/l  
RT: 7.56 min Scan# 1987  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 62.8  | 51.6  | 77.4  |





#51

4-Methyl-2-Pentanone

Concen: 98.929 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0112WBS01

Tot Ion: 43 Resp: 305155

Ion Ratio Lower Upper

43 100

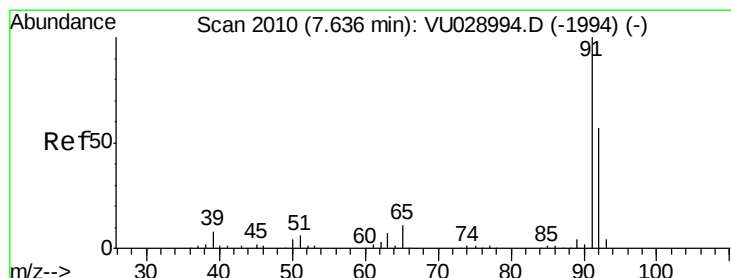
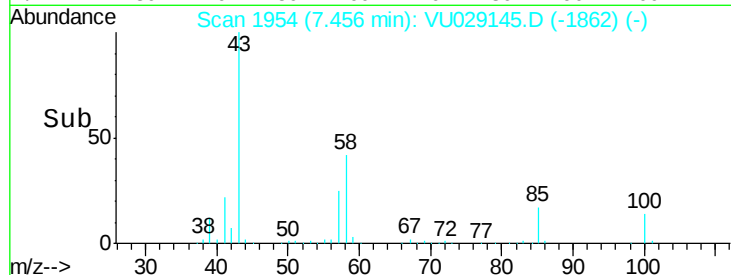
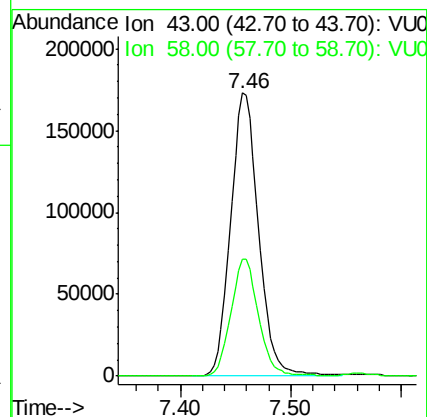
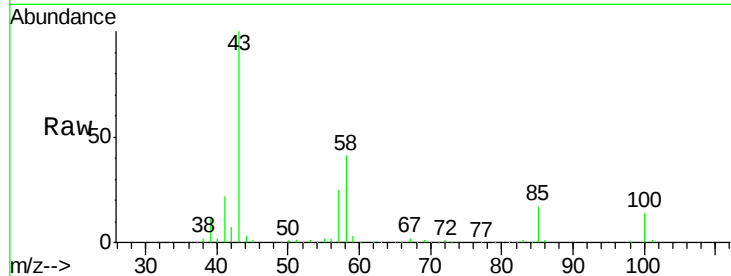
58 40.8 33.9 50.9

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1/14/2019 10:59:02 AM



#52

Toluene

Concen: 19.466 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029145.D

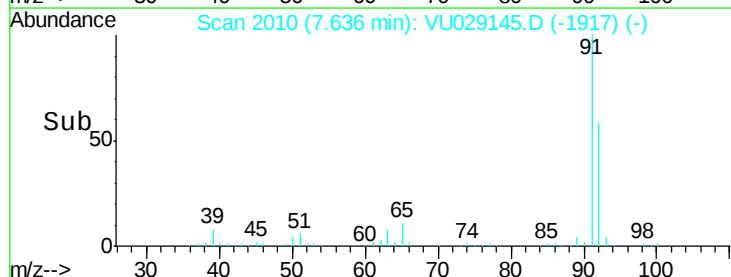
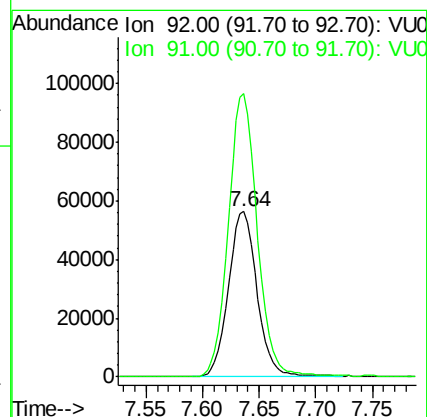
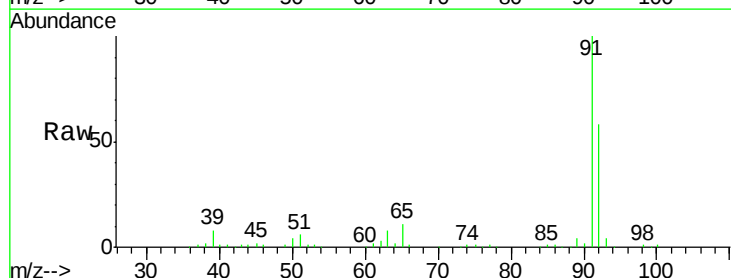
Acq: 11 Jan 2019 16:41

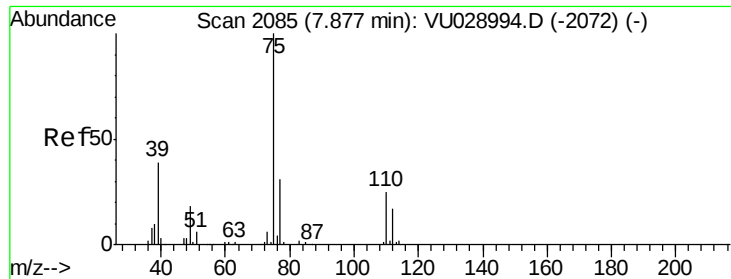
Tgt Ion: 92 Resp: 99499

Ion Ratio Lower Upper

92 100

91 172.3 139.8 209.8





#53

t-1,3-Dichloropropene

Concen: 19.220 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0112WBS01

Tot Ion: 75 Resp: 60255

Ion Ratio Lower Upper

75 100

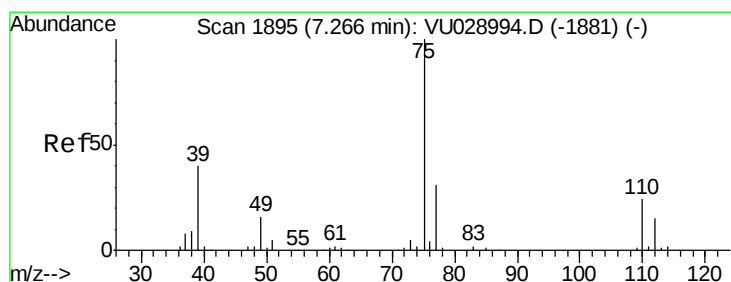
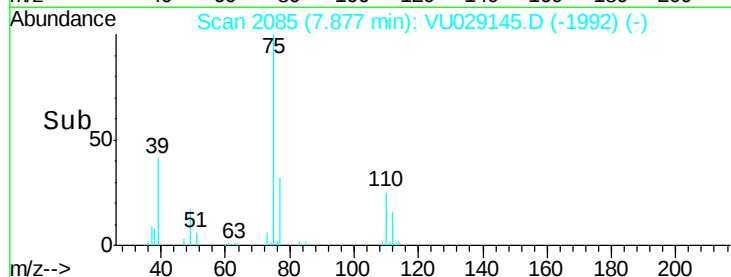
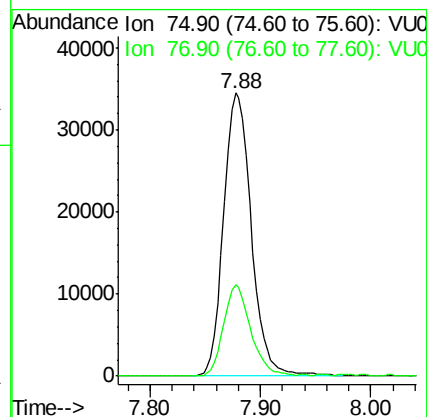
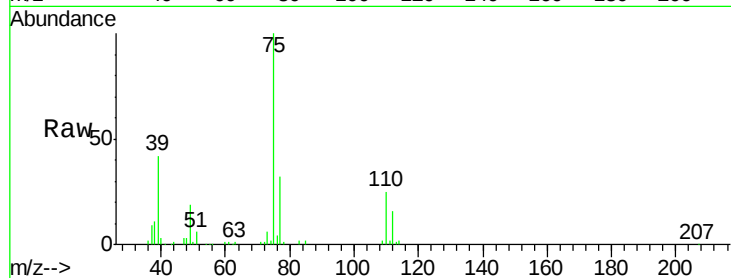
77 32.5 25.0 37.4

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#54

cis-1,3-Dichloropropene

Concen: 19.454 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

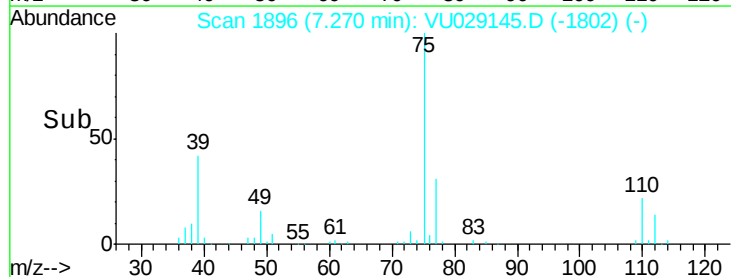
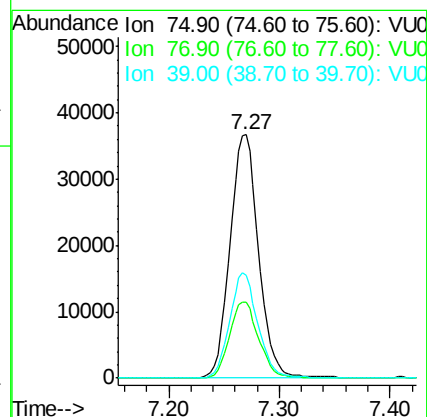
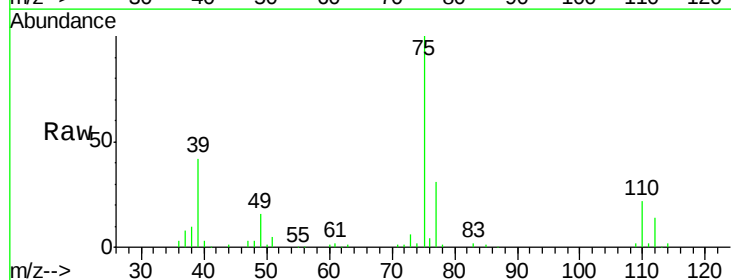
Tgt Ion: 75 Resp: 65900

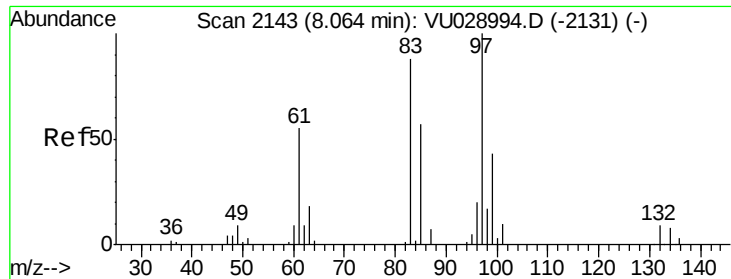
Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.6

39 42.1 32.2 48.4





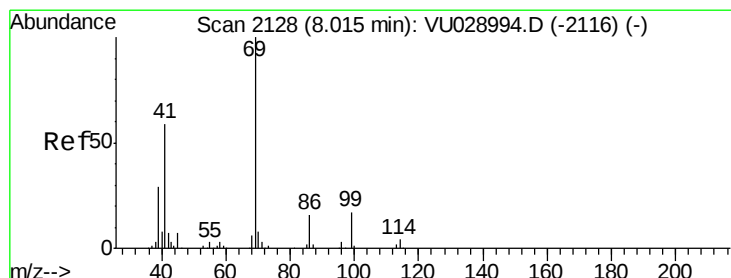
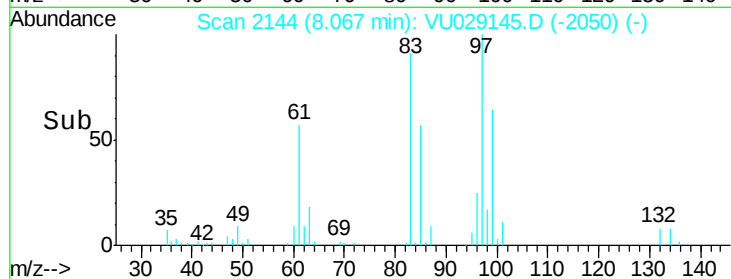
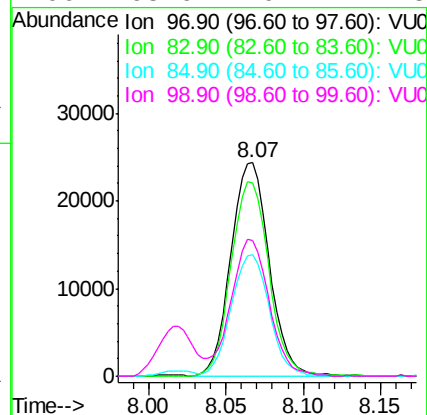
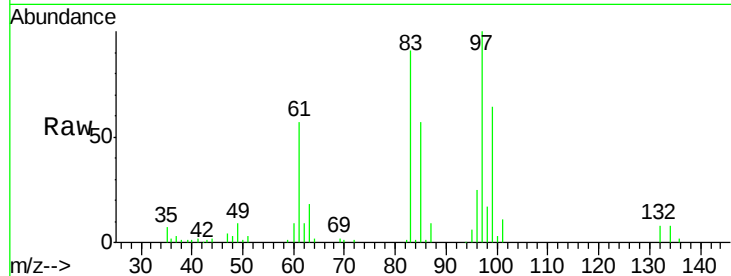
#55  
 1,1,2-Trichloroethane  
 Concen: 20.516 ug/l  
 RT: 8.07 min Scan# 2144  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0112WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 42012 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 90.6  | 69.8  | 104.8 |
| 85       | 57.1  | 47.3  | 70.9  |
| 99       | 63.6  | 49.7  | 74.5  |

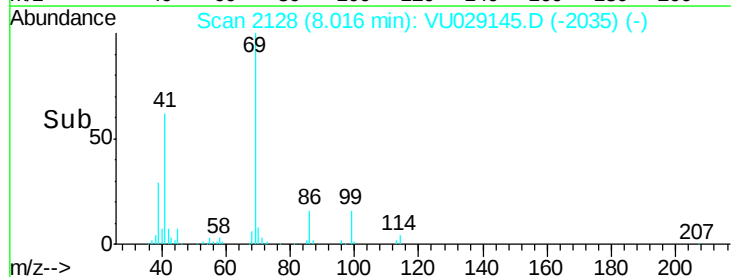
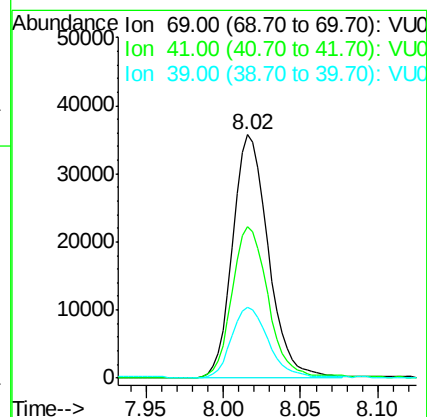
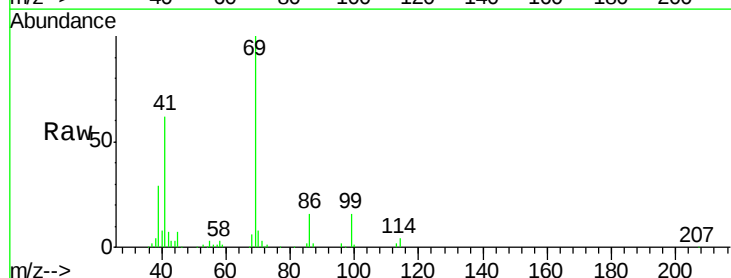
Manual Integrations  
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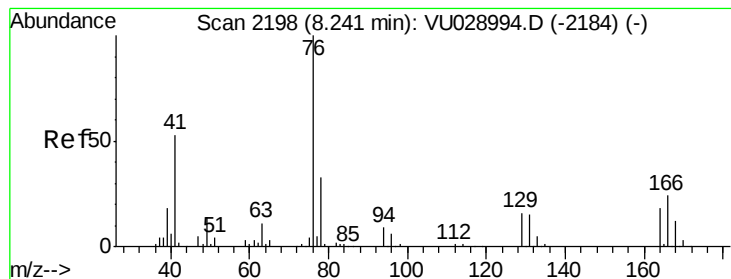
MMDadoda  
 1/14/2019 10:59:02 AM



#56  
 Ethyl methacrylate  
 Concen: 18.191 ug/l  
 RT: 8.02 min Scan# 2128  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 57389 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 63.4  | 47.5  | 71.3  |
| 39       | 30.4  | 22.5  | 33.7  |





#57

1,3-Dichloropropane

Concen: 19.520 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Tot Ion: 76 Resp: 68396

Ion Ratio Lower Upper

76 100

78 33.2 26.0 39.0

Instrument :

MSVOA\_U

ClientSampleId :

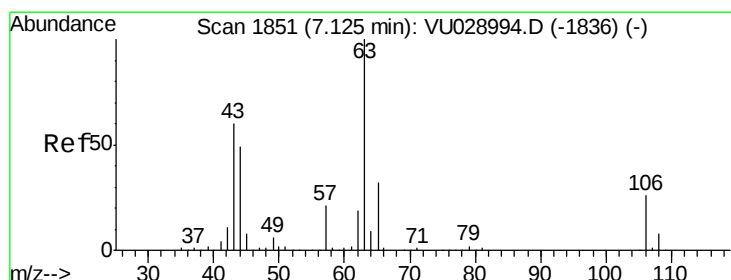
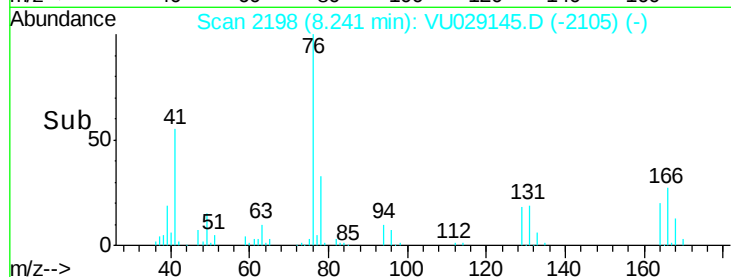
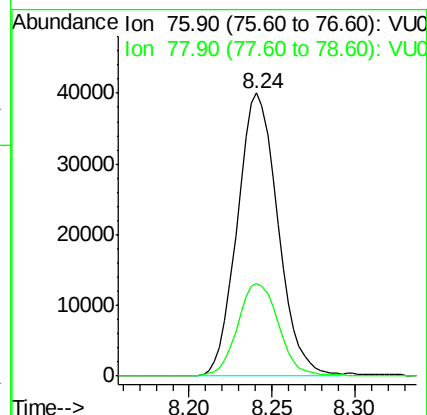
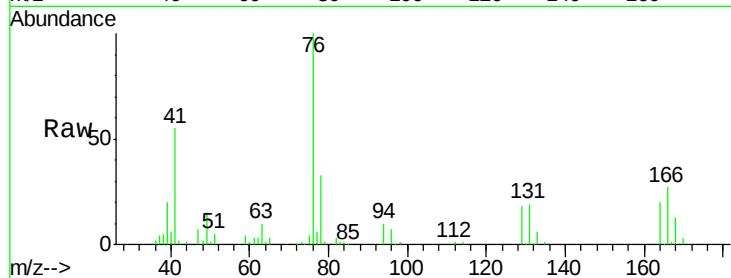
VU0112WBS01

Manual Integrations

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1/14/2019 10:59:02 AM



#58

2-Chloroethyl Vinyl ether

Concen: 79.130 ug/l

RT: 7.13 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VU029145.D

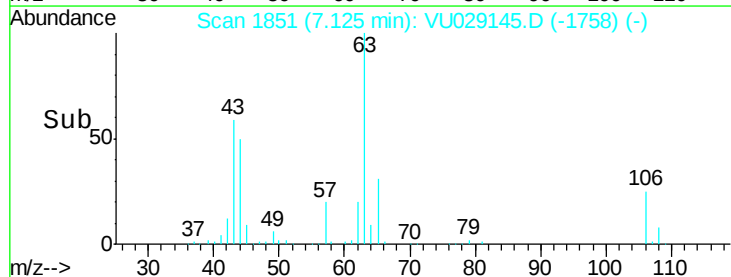
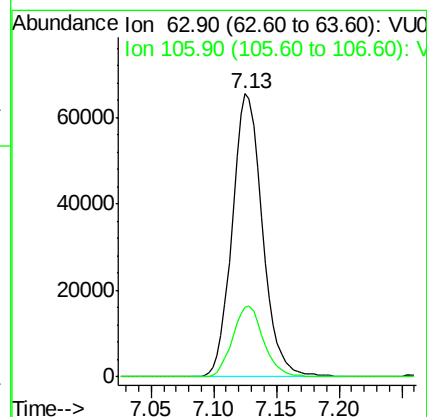
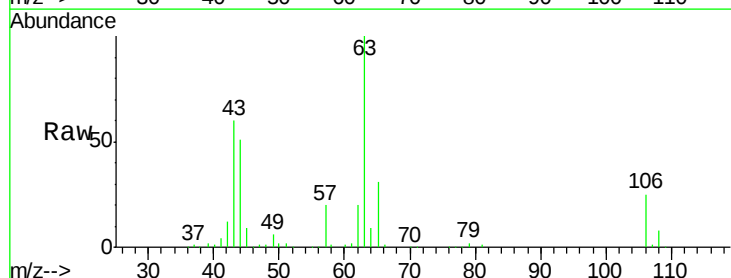
Acq: 11 Jan 2019 16:41

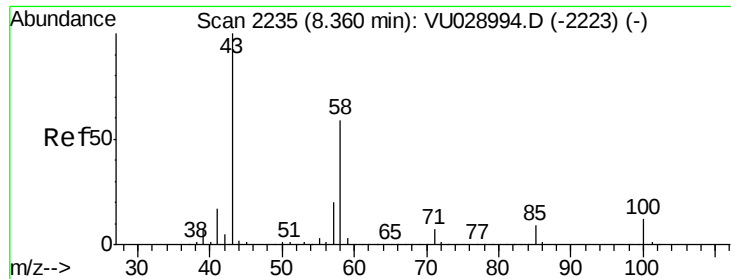
Tgt Ion: 63 Resp: 109785

Ion Ratio Lower Upper

63 100

106 25.4 20.6 31.0





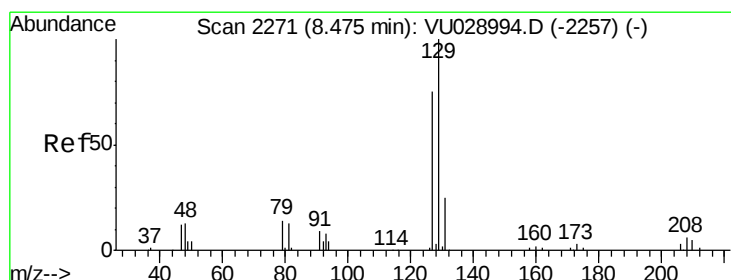
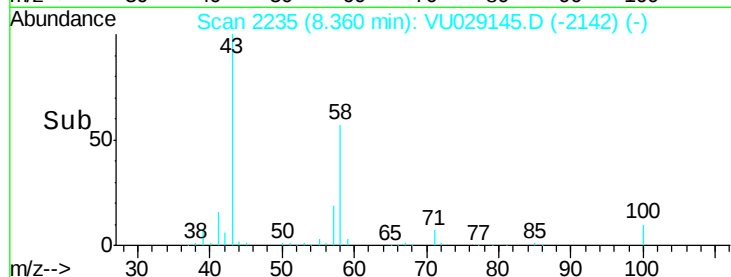
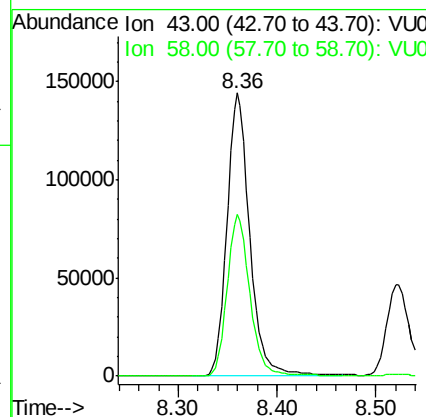
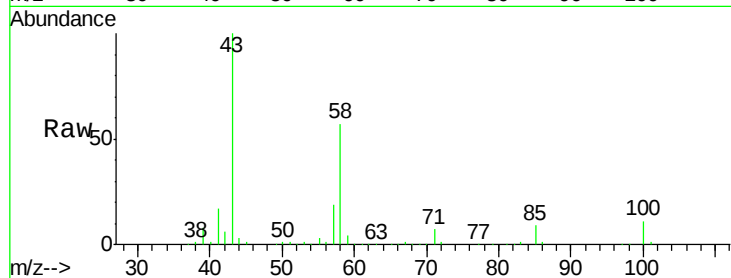
#59  
2-Hexanone  
Concen: 96.879 ug/l  
RT: 8.36 min Scan# 2235  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

Tot Ion: 43 Resp: 234571  
Ion Ratio Lower Upper  
43 100  
58 57.4 29.8 89.4

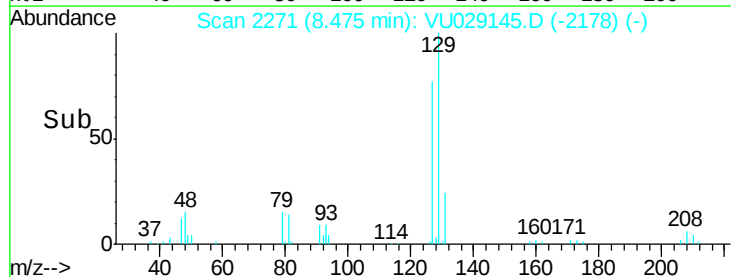
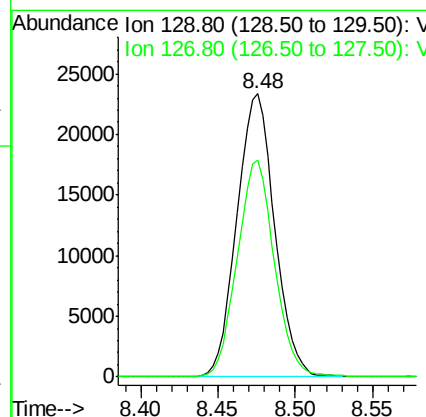
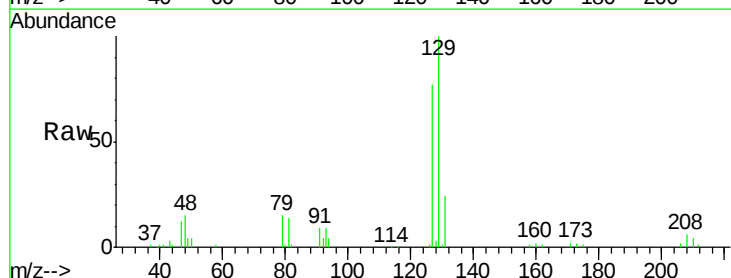
Manual Integrations  
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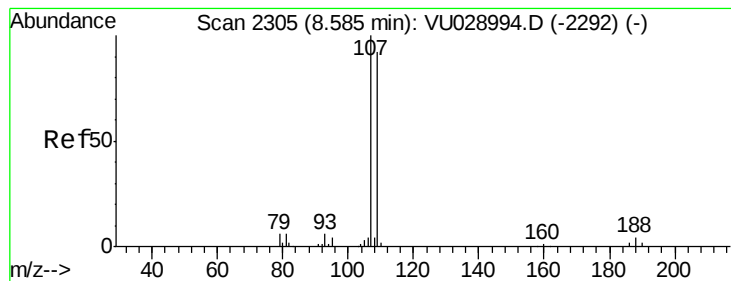
MMDadoda  
1/14/2019 10:59:02 AM



#60  
Dibromochloromethane  
Concen: 19.511 ug/l  
RT: 8.48 min Scan# 2271  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Tgt Ion: 129 Resp: 39582  
Ion Ratio Lower Upper  
129 100  
127 75.2 38.0 114.0





#61

1,2-Dibromoethane

Concen: 19.977 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0112WBS01

Tot Ion: 107 Resp: 44367

Ion Ratio Lower Upper

107 100

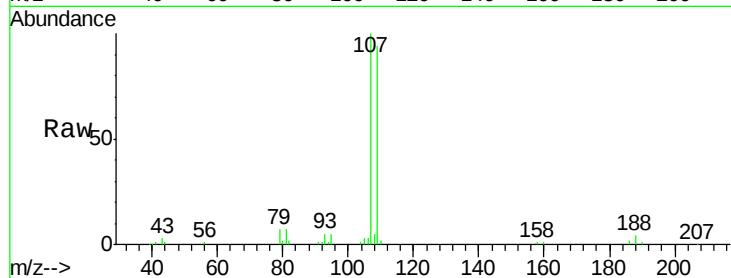
109 89.9 75.5 113.3

Manual Integrations

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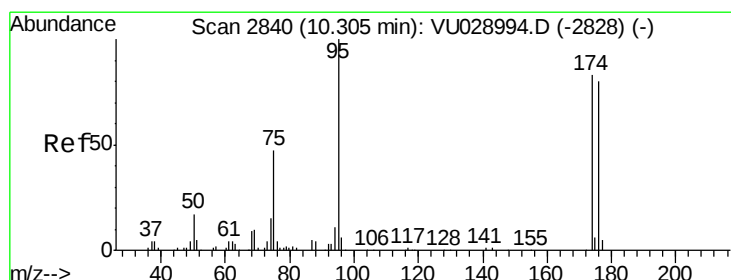
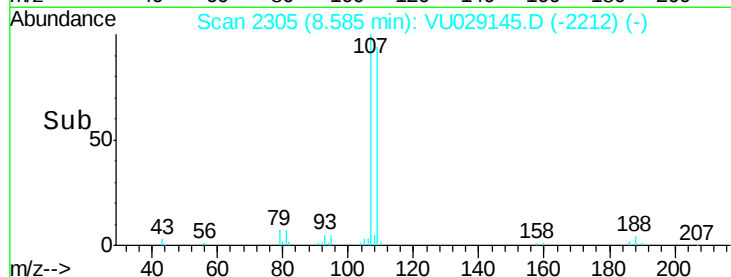
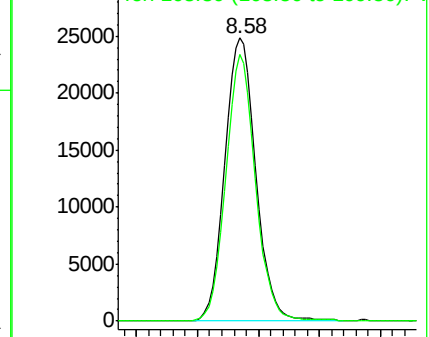
MMDadoda

1/14/2019 10:59:02 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.232 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

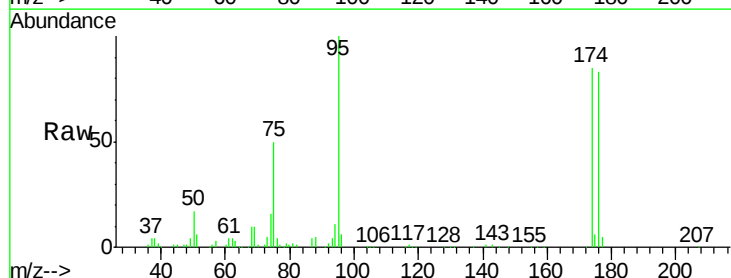
Tgt Ion: 95 Resp: 109551

Ion Ratio Lower Upper

95 100

174 84.8 0.0 170.6

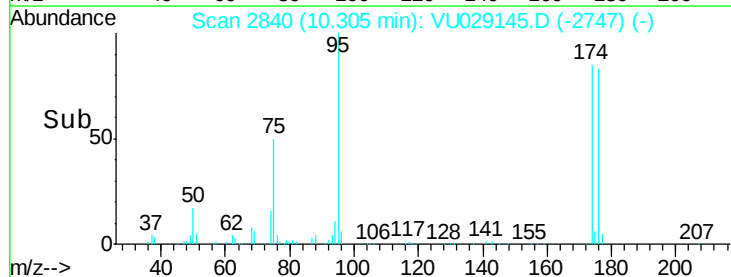
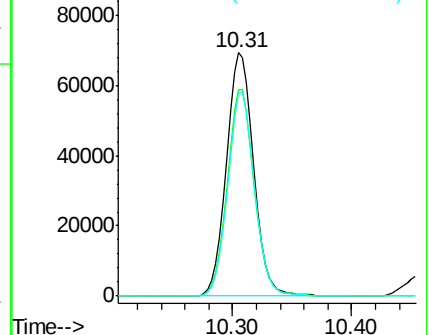
176 82.5 0.0 165.0

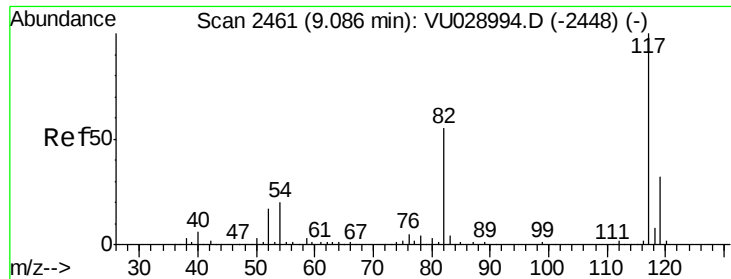


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





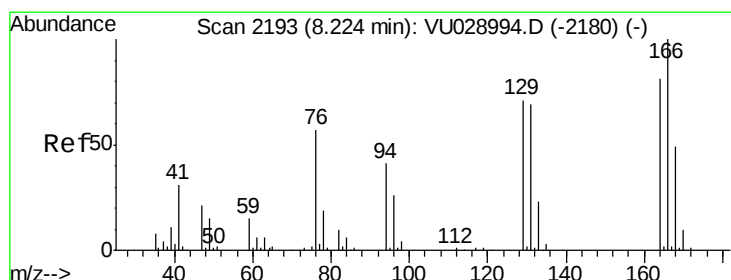
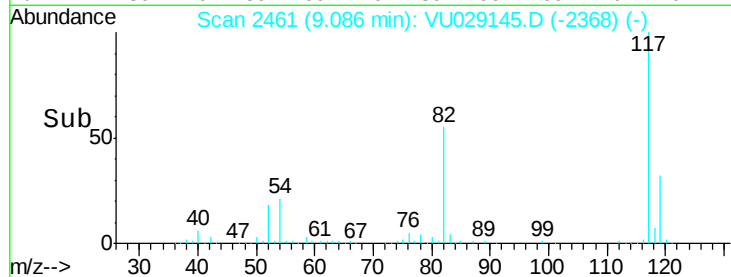
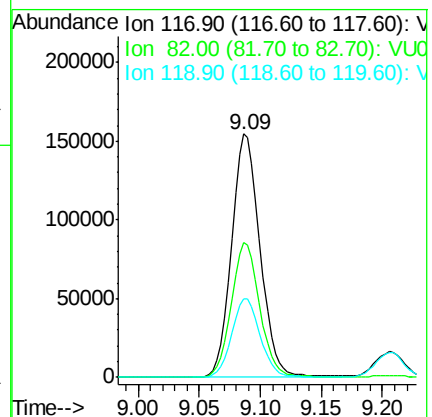
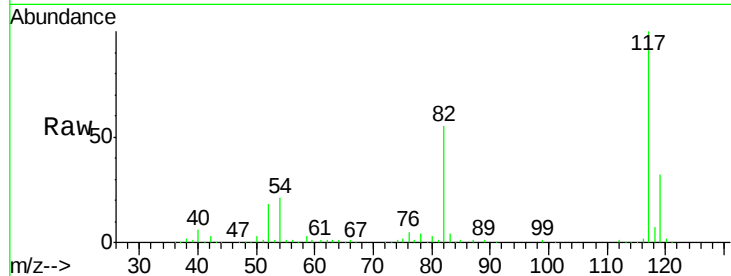
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2461  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.2  | 43.9  | 65.9  |
| 119     | 32.2  | 26.0  | 39.0  |

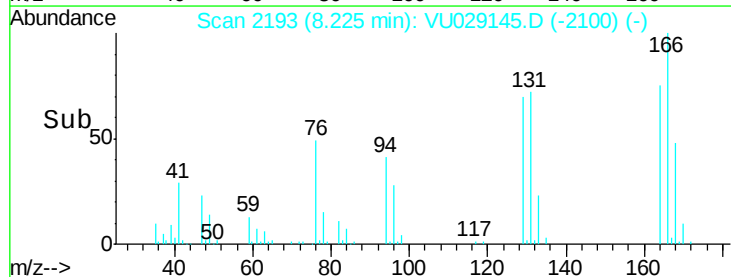
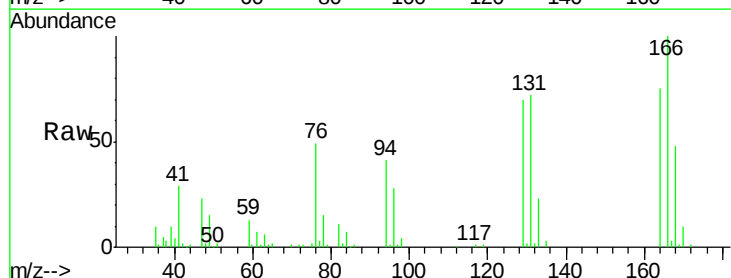
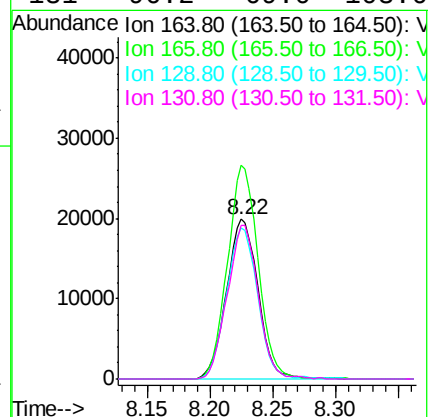
Manual Integrations  
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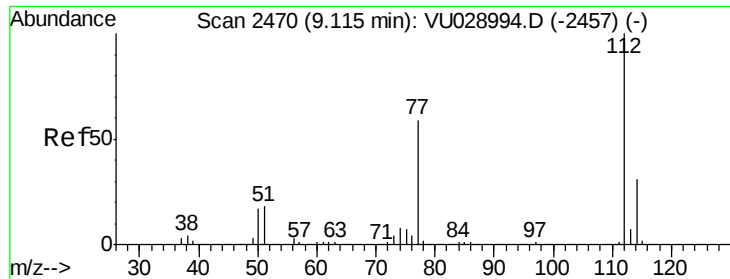
MMDadoda  
1/14/2019 10:59:02 AM



#64  
Tetrachloroethene  
Concen: 19.051 ug/l  
RT: 8.22 min Scan# 2193  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 133.7 | 99.4  | 149.0 |
| 129     | 94.3  | 70.5  | 105.7 |
| 131     | 96.2  | 69.0  | 103.6 |





#65

Chlorobenzene

Concen: 18.725 ug/l

RT: 9.12 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0112WBS01

Tot Ion:112 Resp: 106218

Ion Ratio Lower Upper

112 100

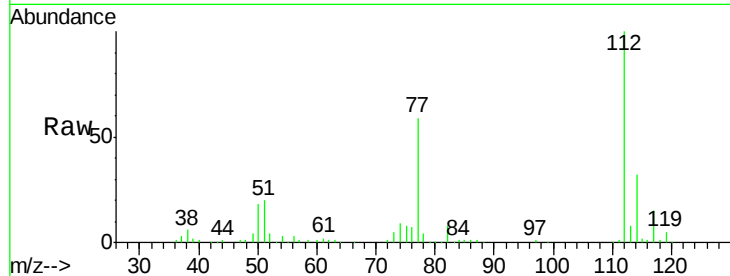
114 32.2 25.0 37.6

Manual Integrations

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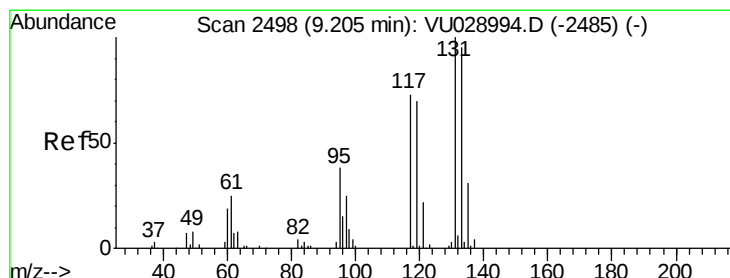
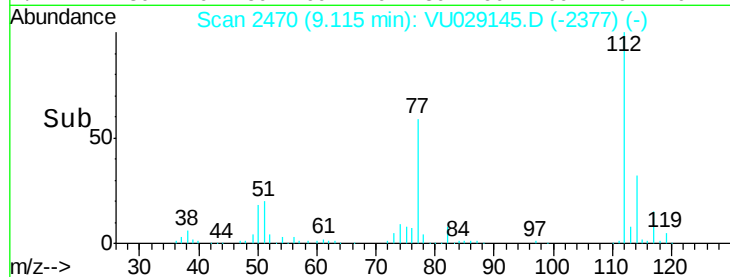
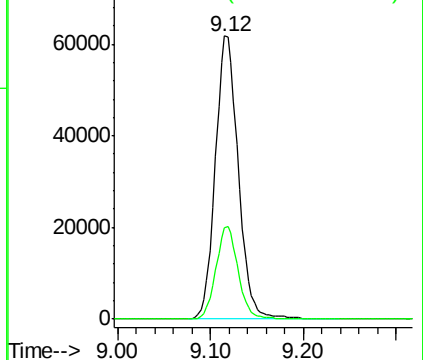
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.534 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

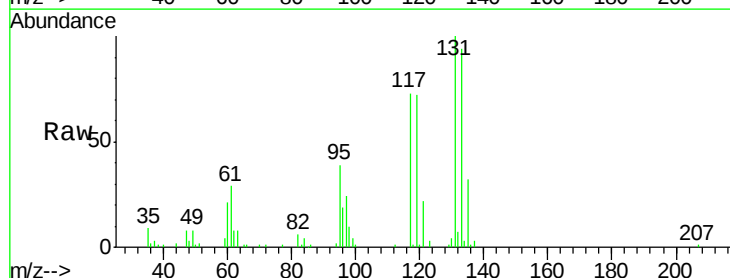
Tgt Ion:131 Resp: 35960

Ion Ratio Lower Upper

131 100

133 94.5 48.2 144.6

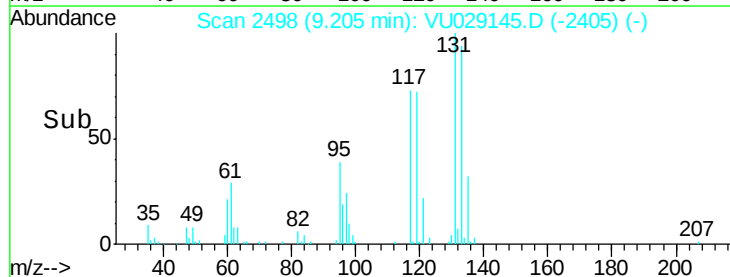
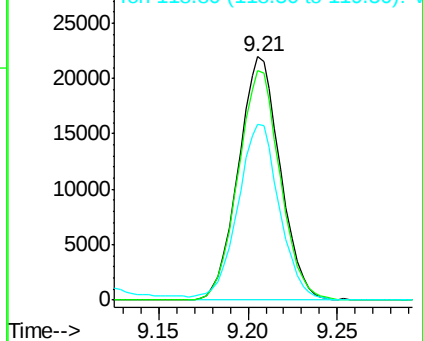
119 72.2 35.4 106.3

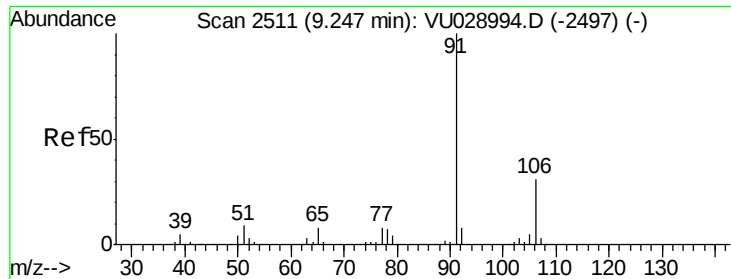


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.582 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0112WBS01

Tot Ion: 91 Resp: 175983

Ion Ratio Lower Upper

91 100

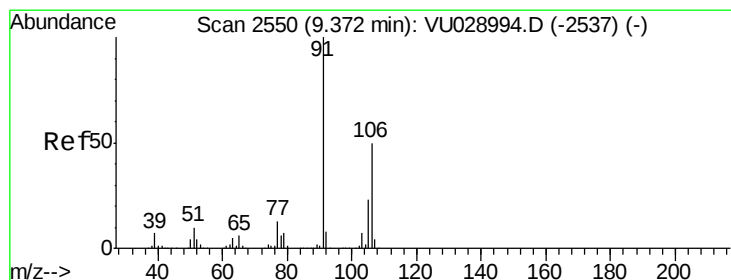
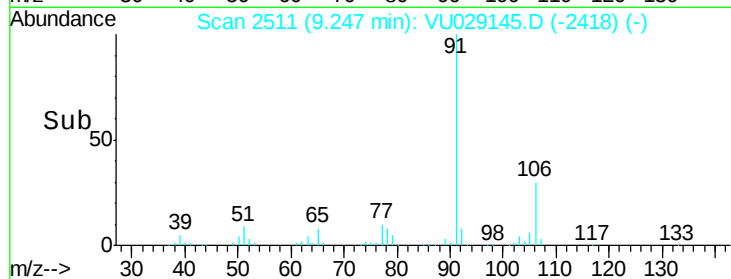
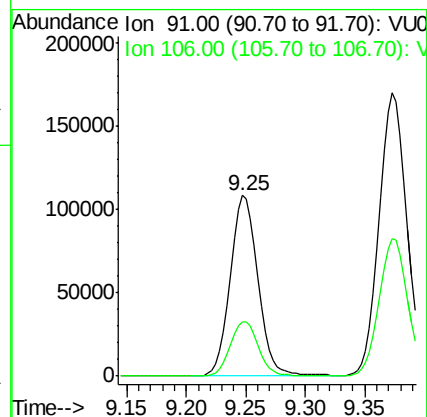
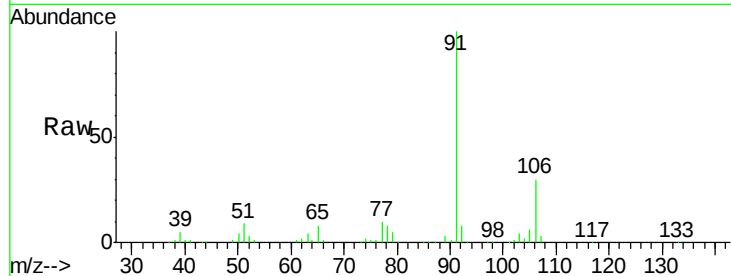
106 30.2 25.0 37.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 37.174 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU029145.D

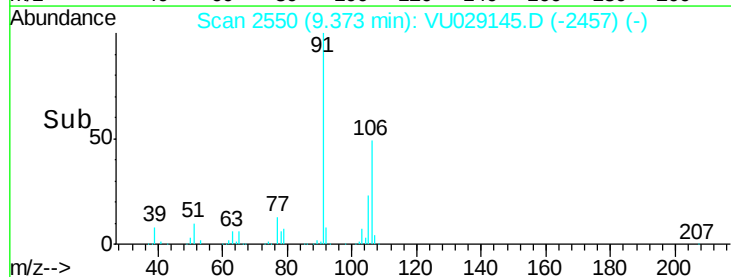
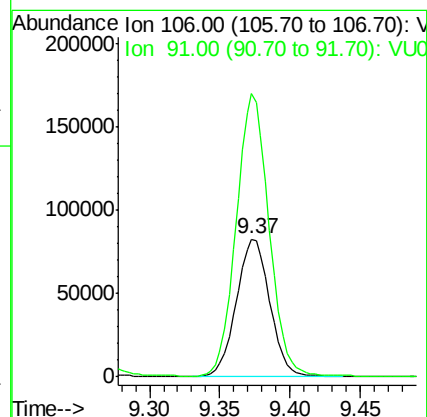
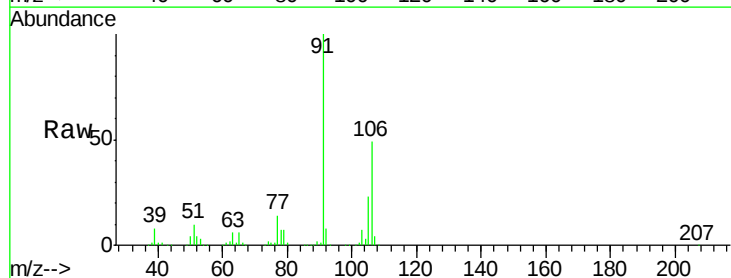
Acq: 11 Jan 2019 16:41

Tgt Ion: 106 Resp: 136794

Ion Ratio Lower Upper

106 100

91 202.8 161.7 242.5





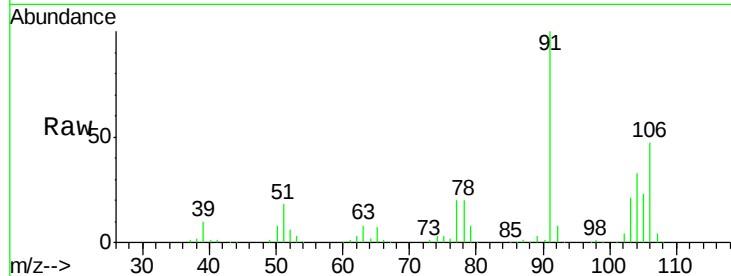
#69  
o-Xylene  
Concen: 18.615 ug/l  
RT: 9.78 min Scan# 2676  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Instrument :  
MSVOA\_U  
ClientSampleID :  
VU0112WBS01

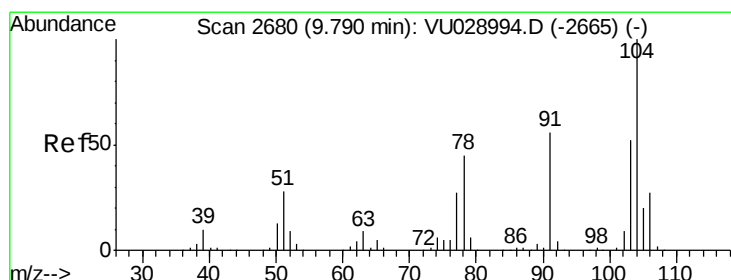
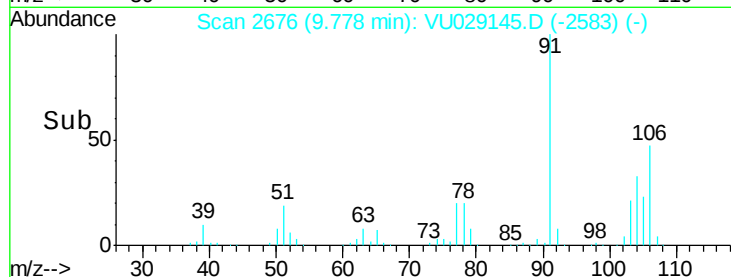
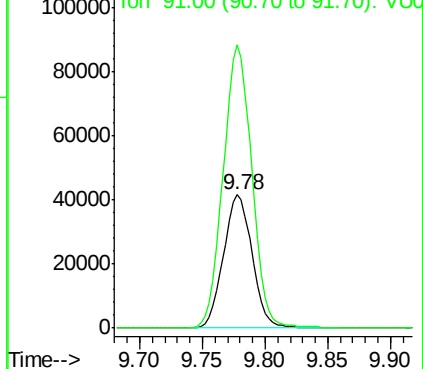
Tot Ion:106 Resp: 66004  
Ion Ratio Lower Upper  
106 100  
91 212.3 106.1 318.3

Manual Integrations  
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MMDadoda  
1/14/2019 10:59:02 AM

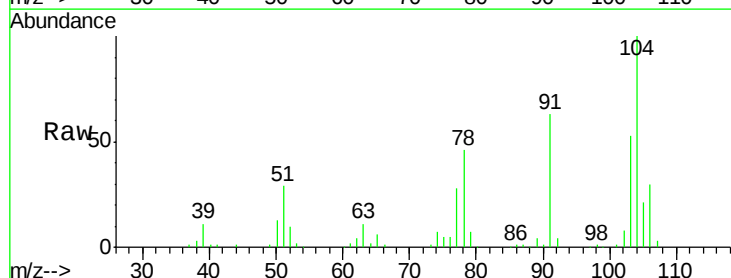


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VU0

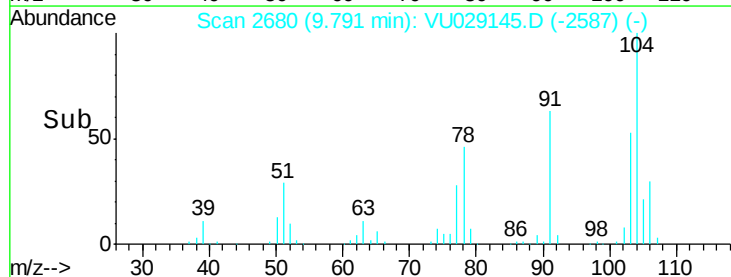
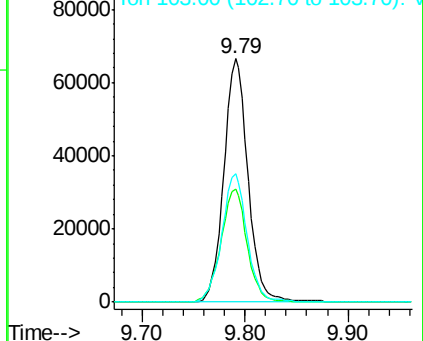


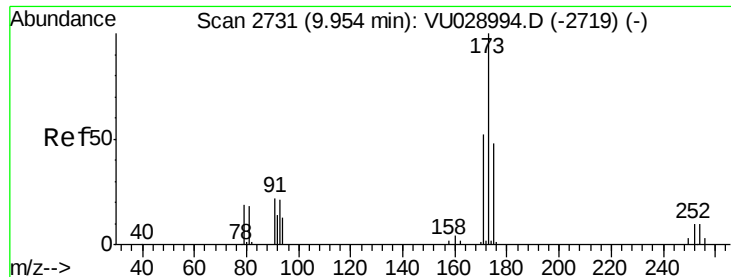
#70  
Styrene  
Concen: 18.699 ug/l  
RT: 9.79 min Scan# 2680  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Tgt Ion:104 Resp: 108687  
Ion Ratio Lower Upper  
104 100  
78 50.1 38.6 58.0  
103 55.4 44.5 66.7



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VU0  
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.079 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

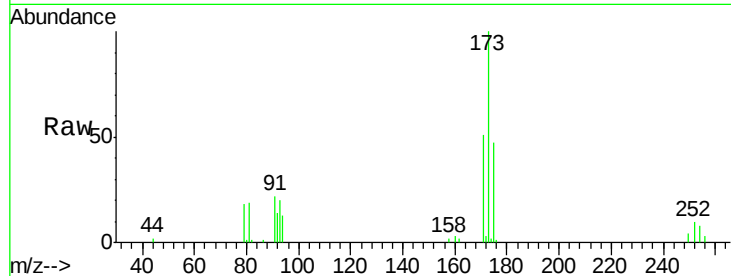
ClientSampleId :

VU0112WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 46.6  | 23.8  | 71.2  |
| 254     | 0.0   | 0.0   | 0.0   |

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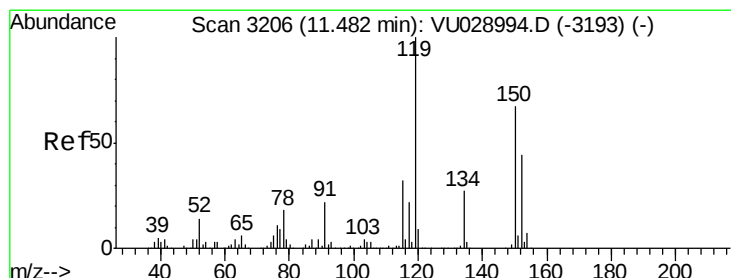
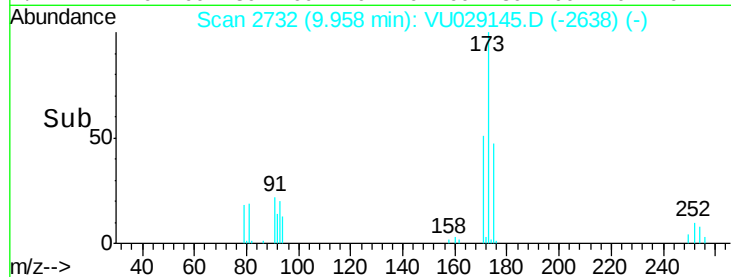
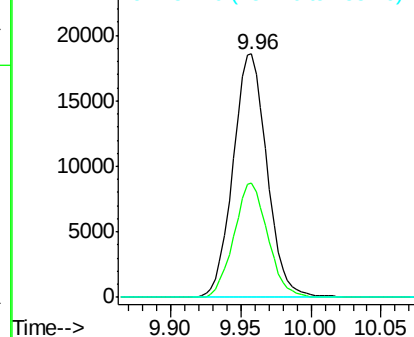


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

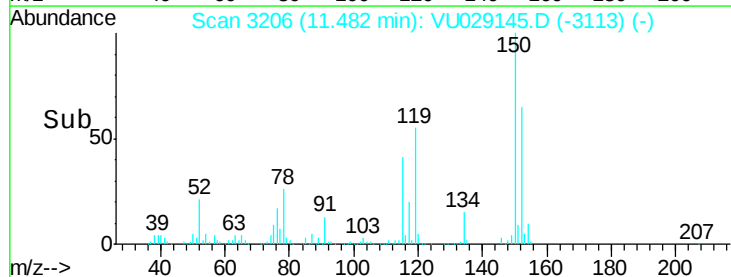
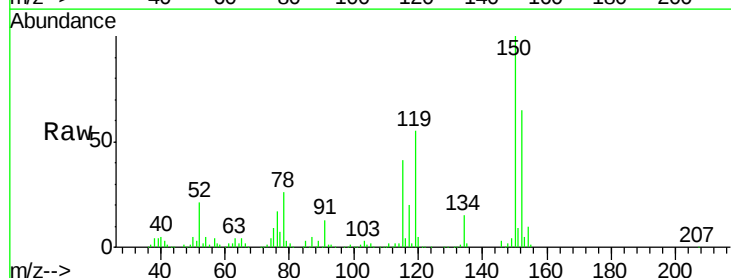
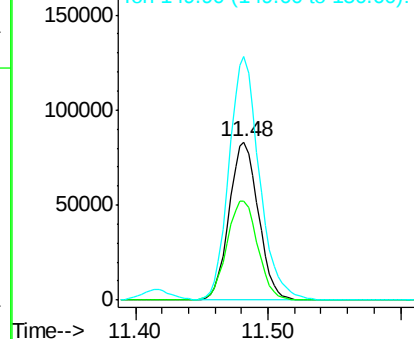
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 66.2  | 40.1  | 120.3 |
| 150     | 159.5 | 0.0   | 345.2 |

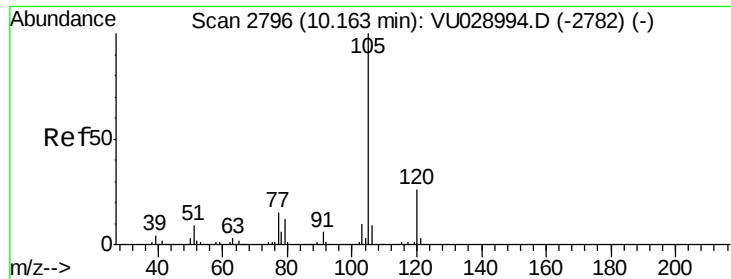
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.471 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0112WBS01

Tot Ion:105 Resp: 174307

Ion Ratio Lower Upper

105 100

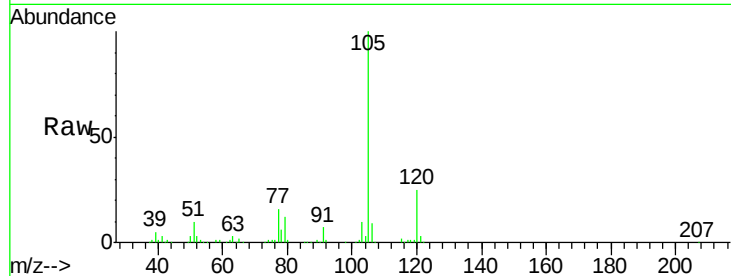
120 26.2 13.2 39.5

Manual Integrations

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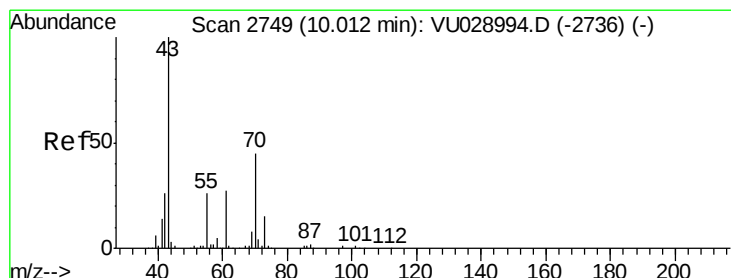
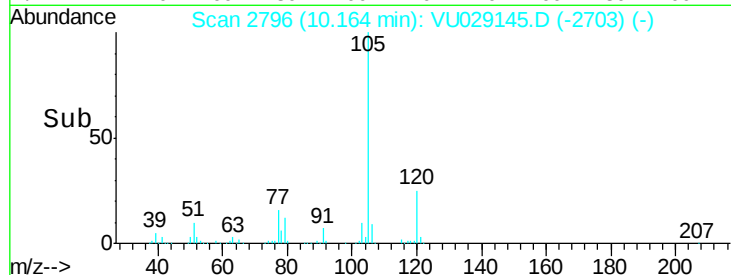
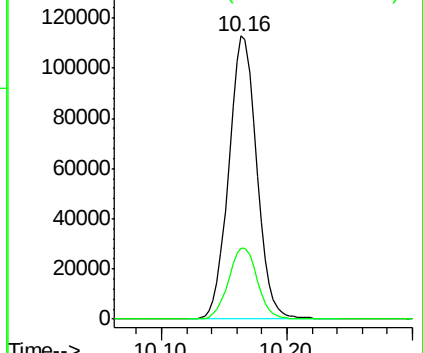
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.062 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Tgt Ion: 43 Resp: 73449

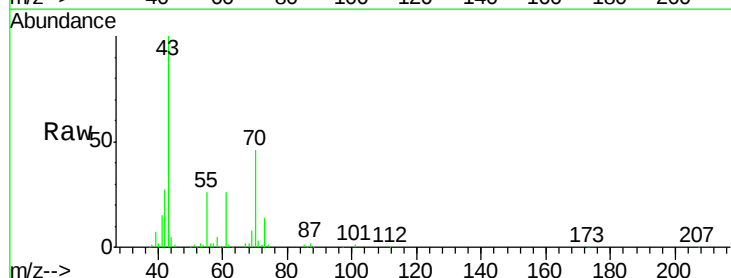
Ion Ratio Lower Upper

43 100

70 43.5 36.3 54.5

55 25.8 20.5 30.7

61 24.3 21.8 32.8

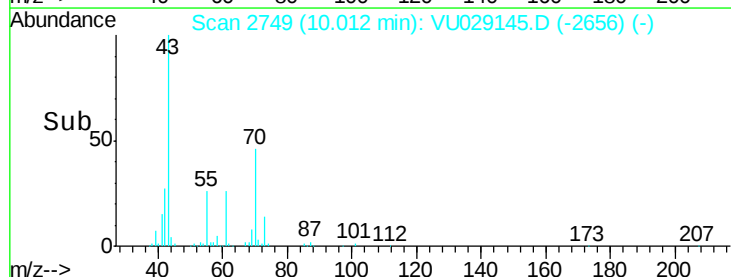
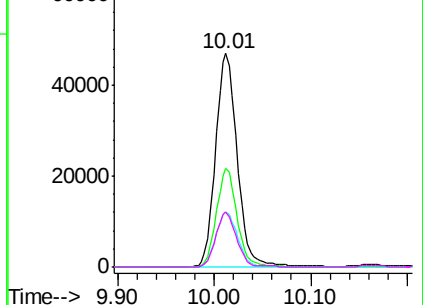


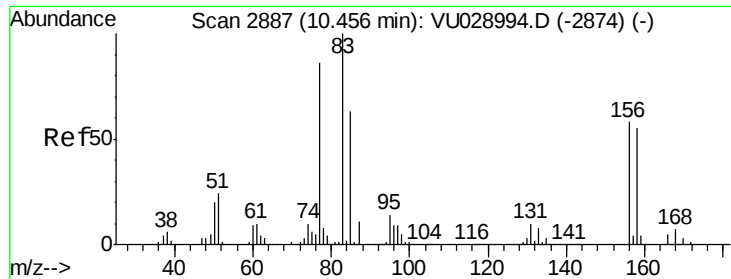
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.602 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0112WBS01

Tot Ion: 83 Resp: 70355

Ion Ratio Lower Upper

83 100

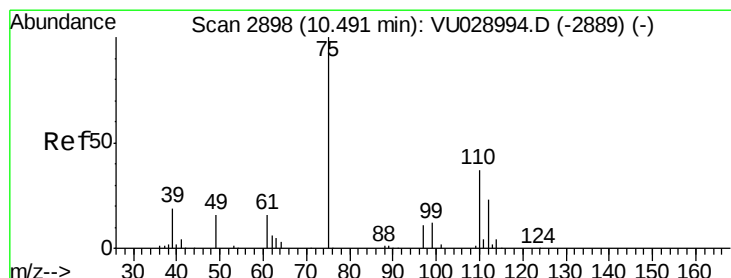
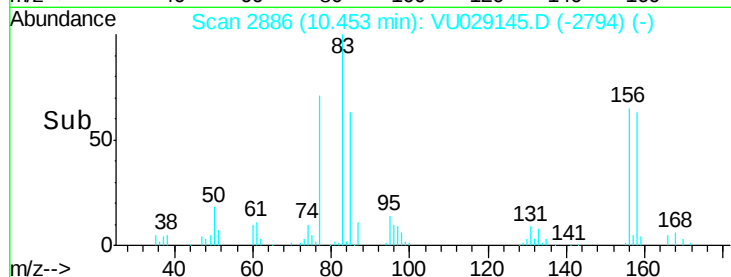
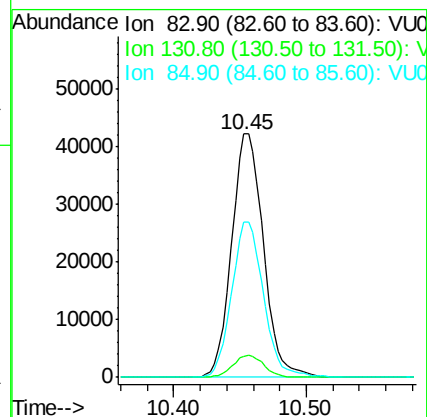
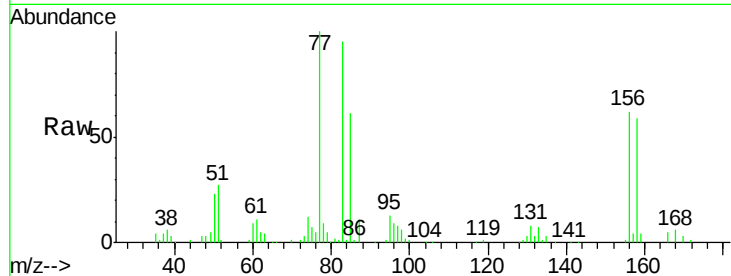
131 8.8 4.7 14.1

85 64.0 32.0 96.2

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 18.698 ug/l m

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029145.D

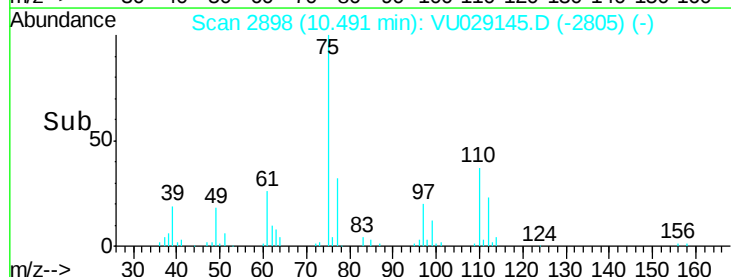
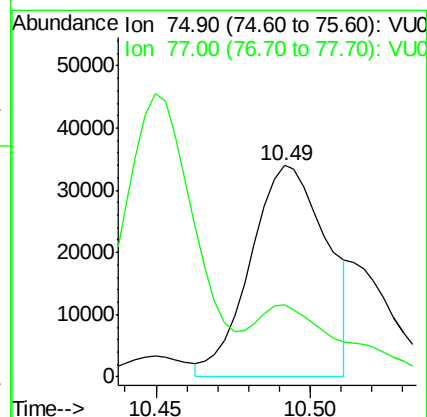
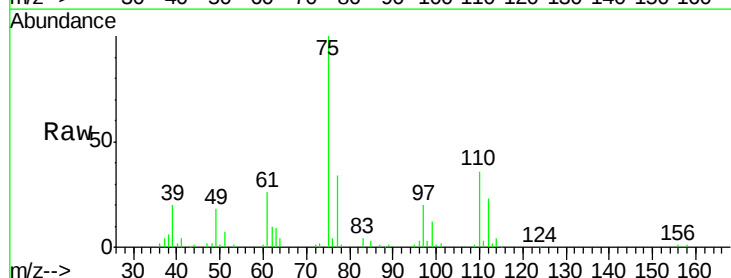
Acq: 11 Jan 2019 16:41

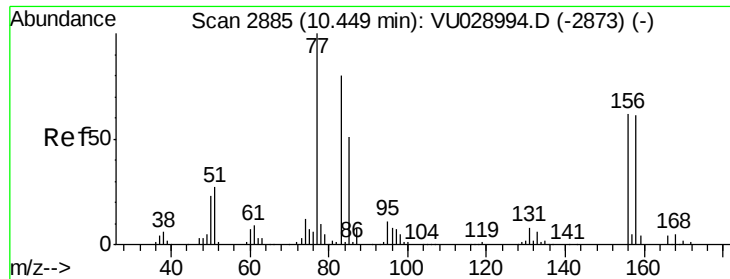
Tgt Ion: 75 Resp: 58409

Ion Ratio Lower Upper

75 100

77 39.9 20.9 62.8





#77

Bromobenzene

Concen: 18.394 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

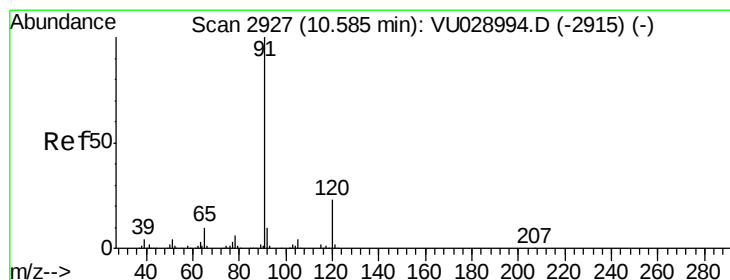
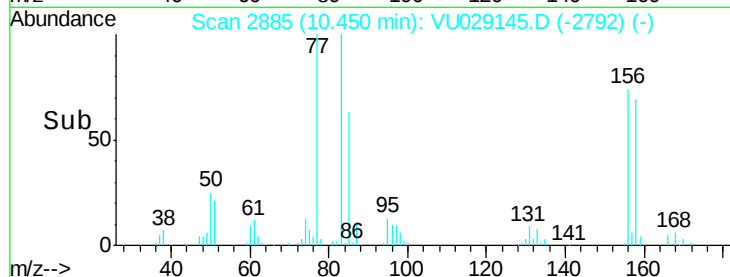
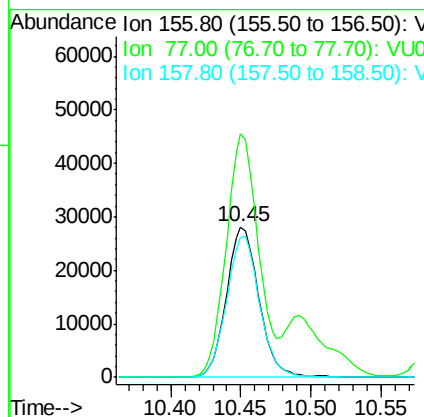
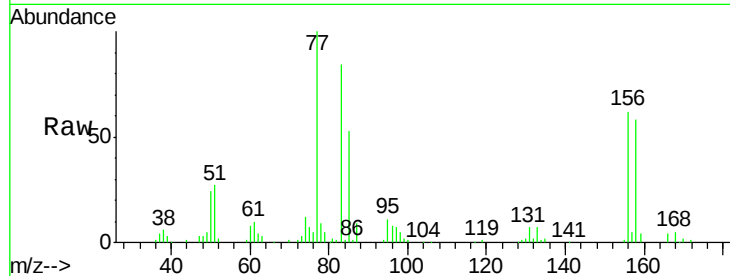
ClientSampleId :

VU0112WBS01

| Tot Ion | Ion   | Ratio | Resp | Lower | Upper |
|---------|-------|-------|------|-------|-------|
| 156     | 100   |       |      |       |       |
| 77      | 160.4 |       | 79.0 | 237.2 |       |
| 158     | 95.5  |       | 48.9 | 146.6 |       |

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#78

n-propylbenzene

Concen: 18.827 ug/l

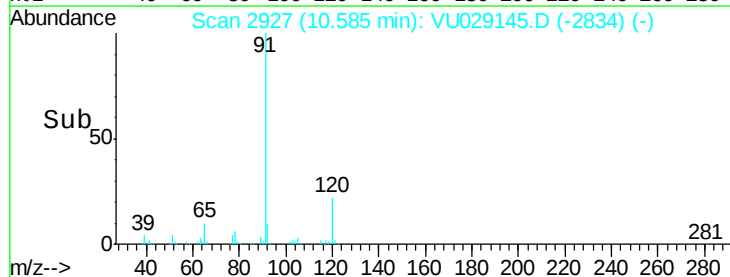
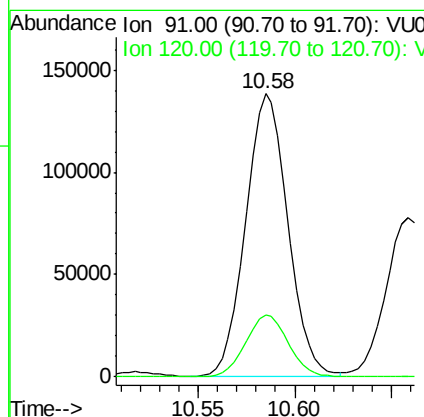
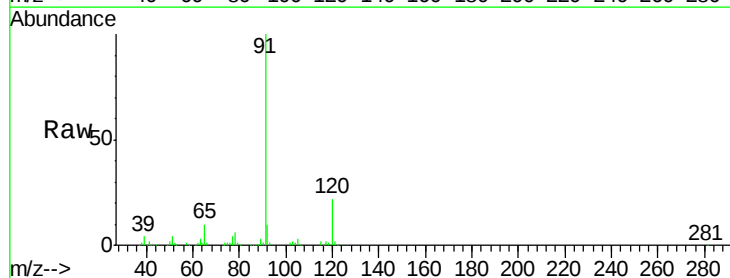
RT: 10.58 min Scan# 2927

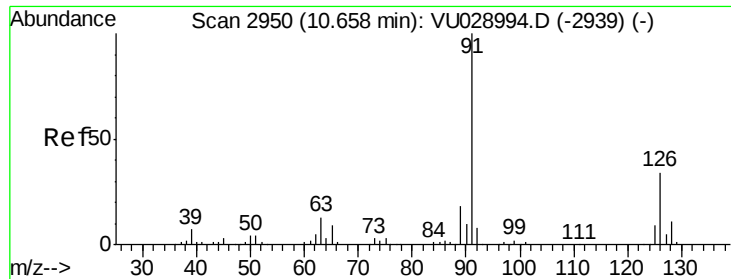
Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 91      | 100  |       |      |       |       |
| 120     | 22.2 |       | 11.3 | 33.9  |       |





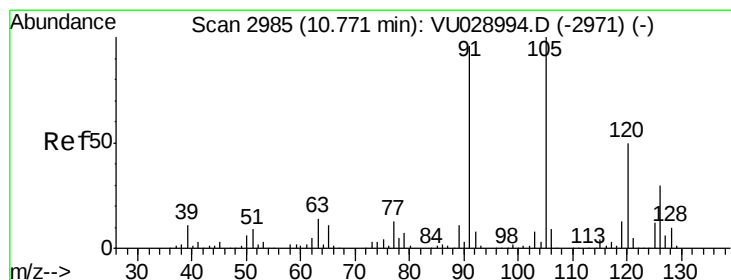
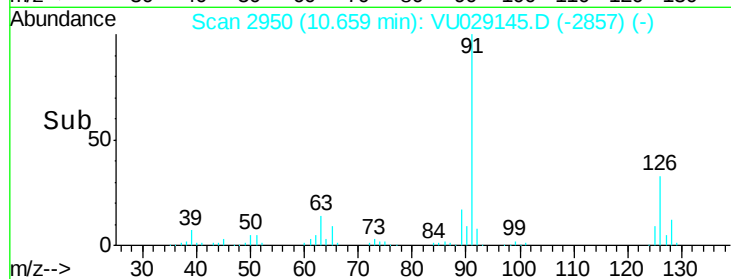
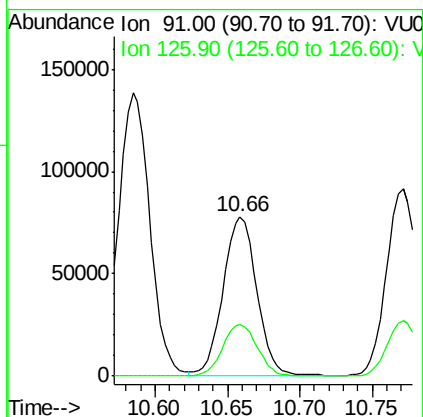
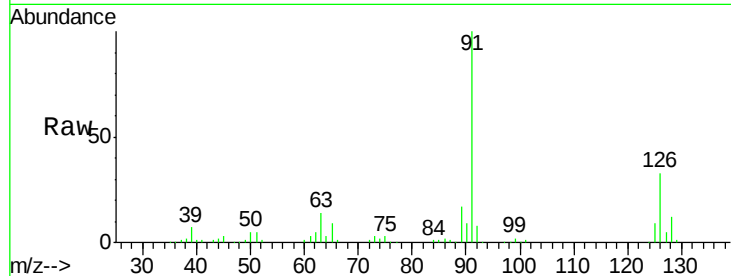
#79  
 2-Chlorotoluene  
 Concen: 18.565 ug/l  
 RT: 10.66 min Scan# 2950  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0112WBS01

Tot Ion: 91 Resp: 125241  
 Ion Ratio Lower Upper  
 91 100  
 126 33.5 16.8 50.4

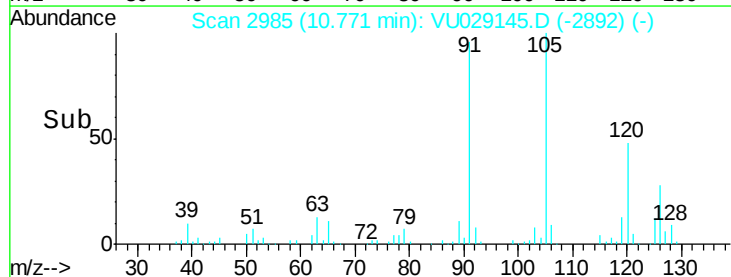
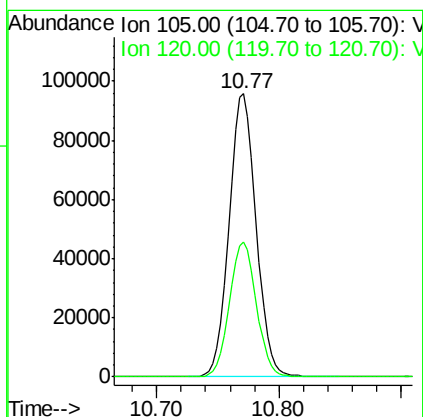
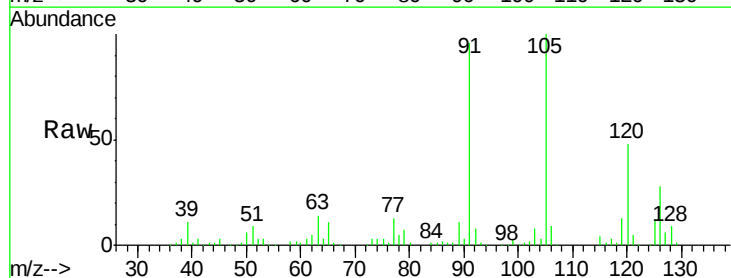
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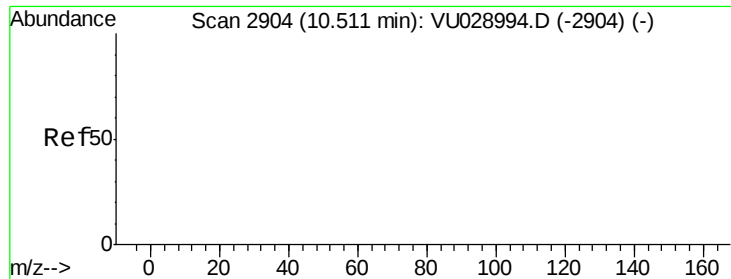
MMDadoda  
 1/14/2019 10:59:02 AM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 18.776 ug/l  
 RT: 10.77 min Scan# 2985  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Tgt Ion: 105 Resp: 147966  
 Ion Ratio Lower Upper  
 105 100  
 120 47.5 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 15.294 ug/l

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

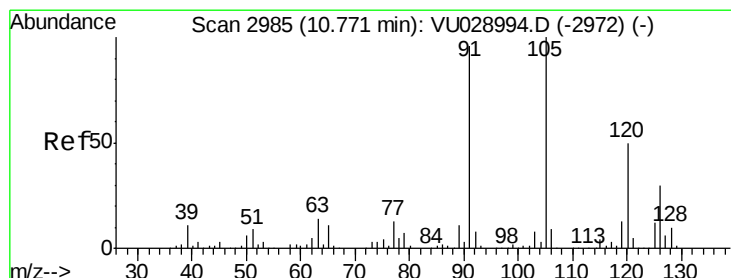
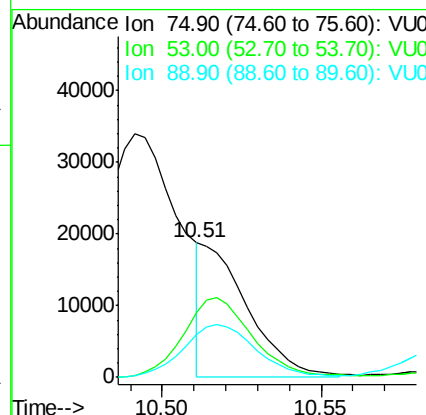
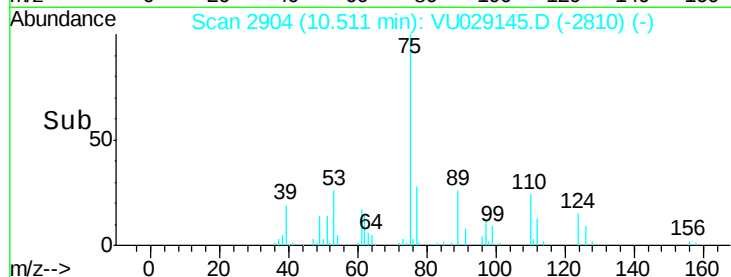
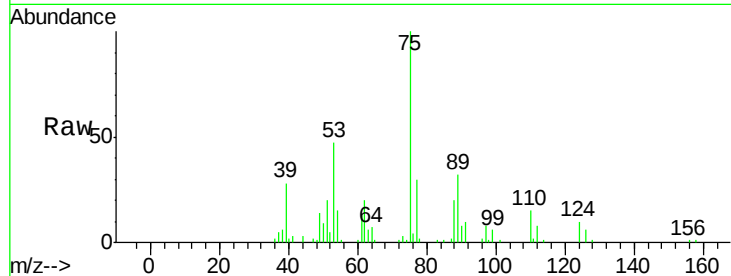
Instrument :  
MSVOA\_U

ClientSampleId :  
VU0112WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 0.0   | 0.0   | 0.0   |
| 89      | 0.0   | 0.0   | 0.0   |

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#82

4-Chlorotoluene

Concen: 18.404 ug/l

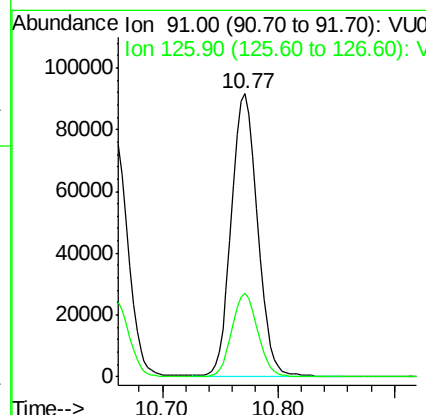
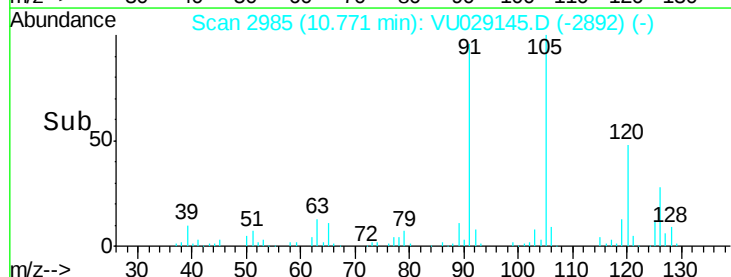
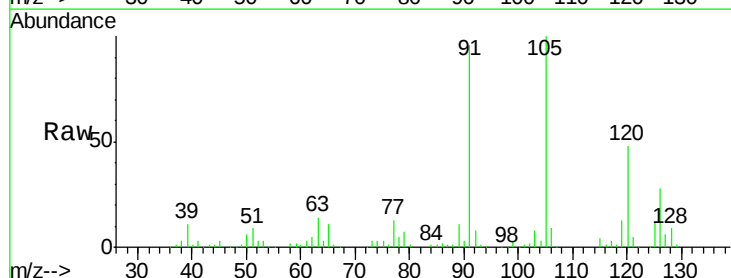
RT: 10.77 min Scan# 2985

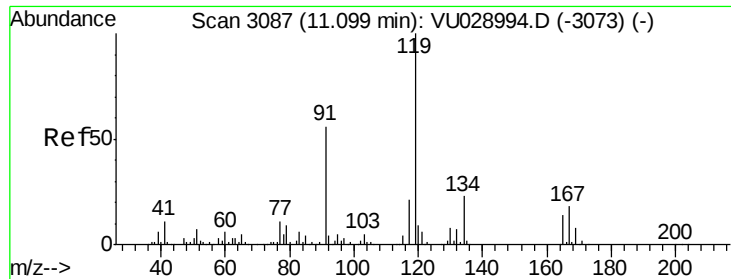
Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 29.5  | 15.5  | 46.5  |





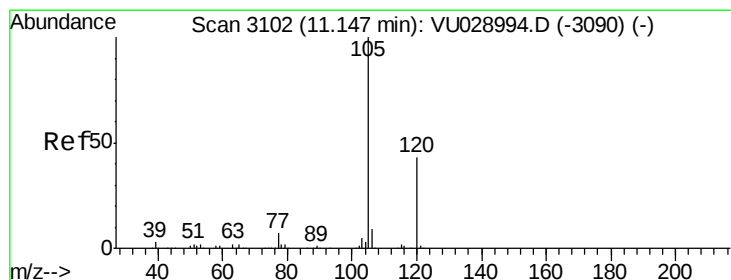
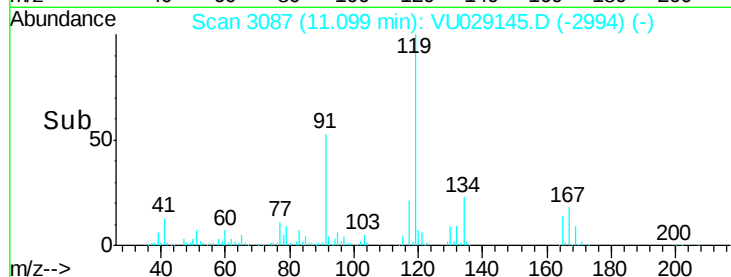
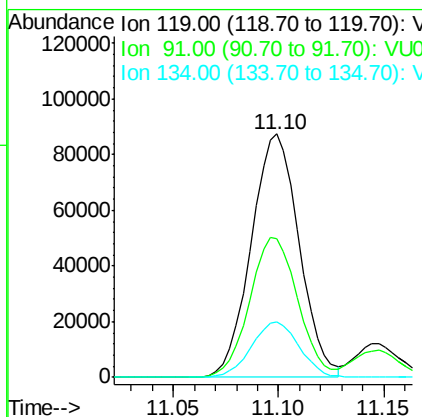
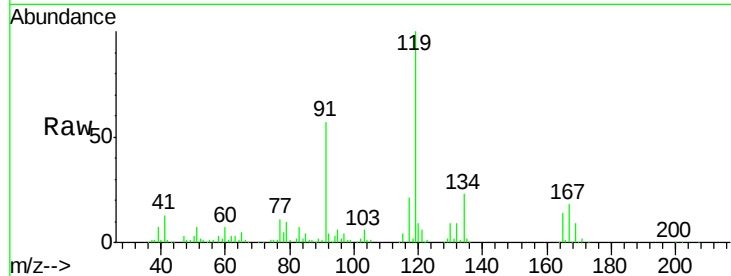
#83  
tert-Butylbenzene  
Concen: 17.820 ug/l  
RT: 11.10 min Scan# 3087  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 57.5  | 28.2  | 84.6  |
| 134     | 22.7  | 11.3  | 33.8  |

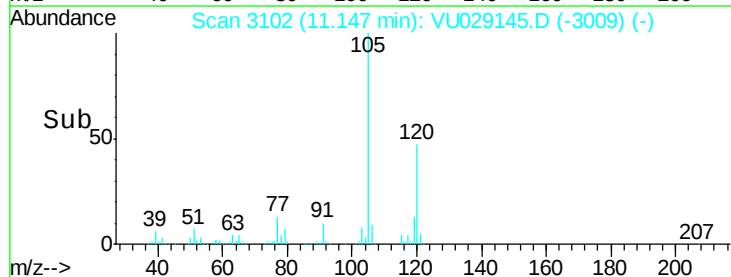
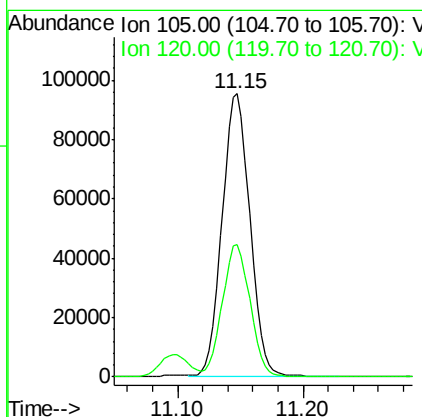
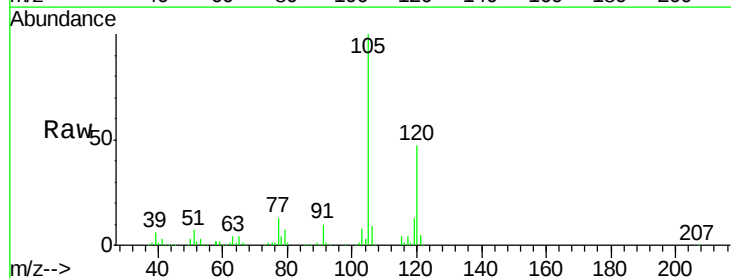
Manual Integrations  
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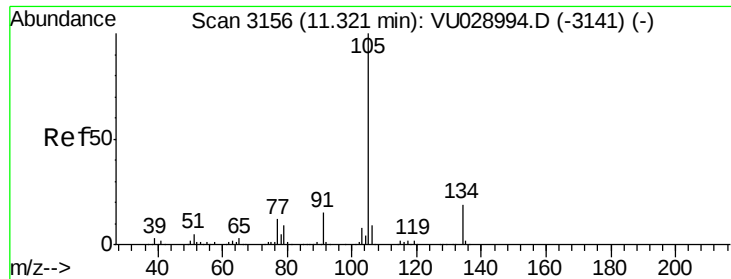
MMDadoda  
1/14/2019 10:59:02 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 18.690 ug/l  
RT: 11.15 min Scan# 3102  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.2  | 23.1  | 69.3  |





#85

sec-Butylbenzene

Concen: 18.745 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0112WBS01

Tot Ion:105 Resp: 176083

Ion Ratio Lower Upper

105 100

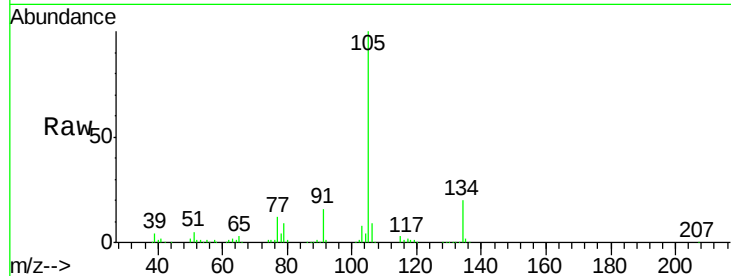
134 19.3 9.7 29.1

Manual Integrations

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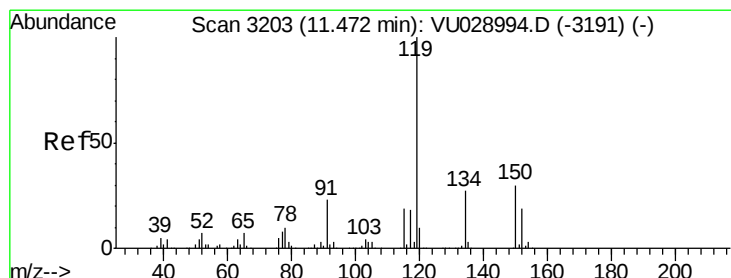
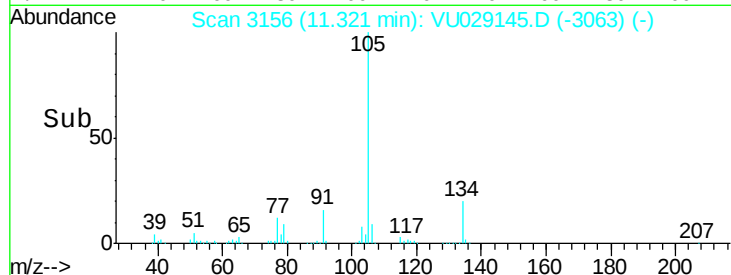
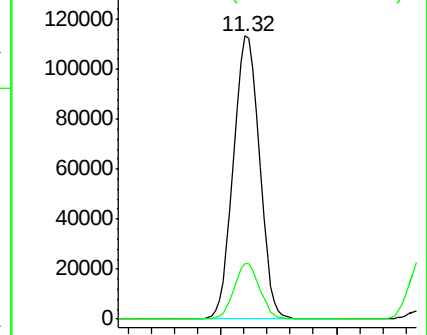
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.559 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU029145.D

Acq: 11 Jan 2019 16:41

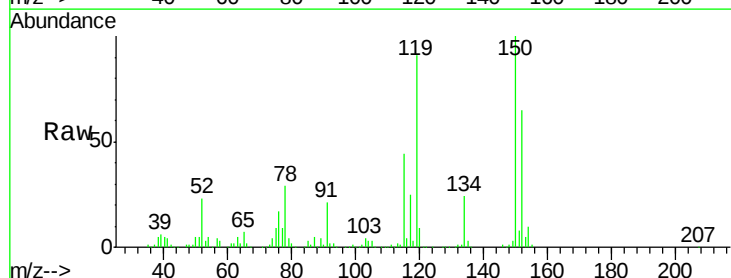
Tgt Ion:119 Resp: 148555

Ion Ratio Lower Upper

119 100

134 26.3 13.5 40.4

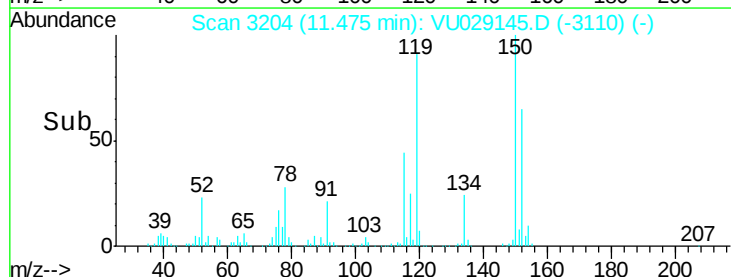
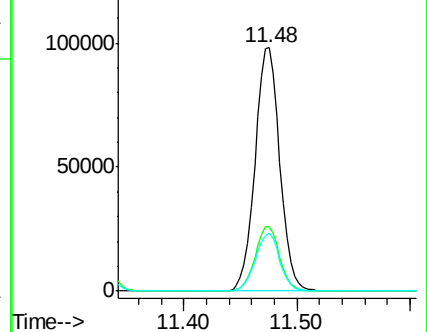
91 23.5 11.3 33.8

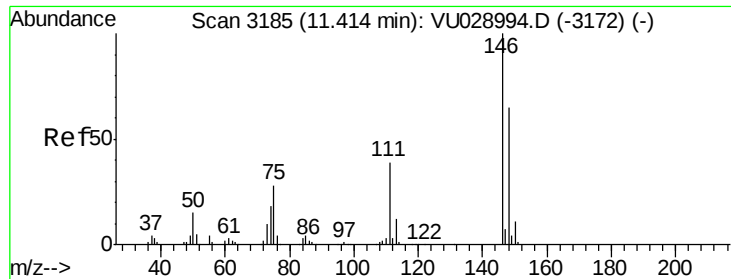


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





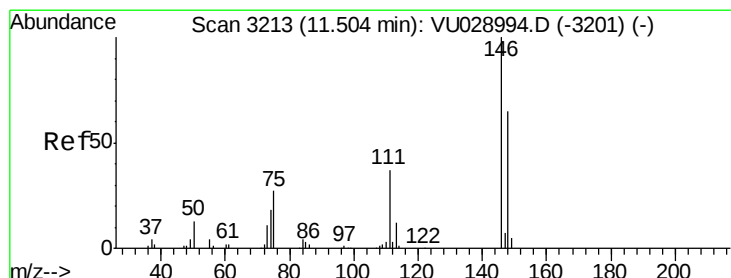
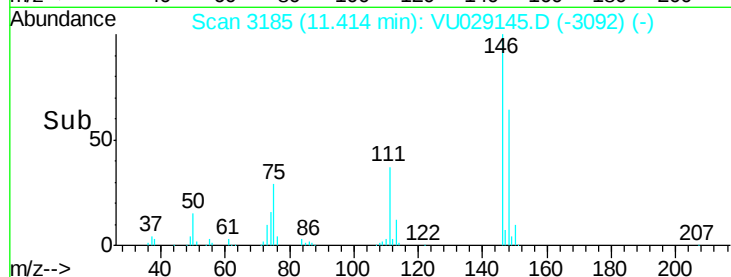
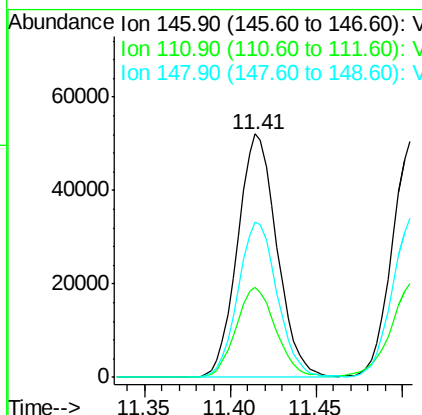
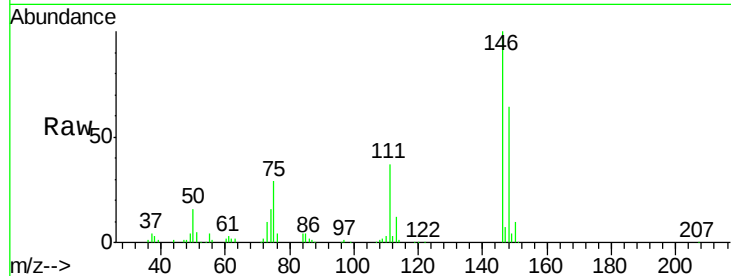
#87  
 1,3-Dichlorobenzene  
 Concen: 18.464 ug/l  
 RT: 11.41 min Scan# 3185  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0112WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.3  | 19.3  | 57.8  |
| 148     | 63.5  | 32.5  | 97.5  |

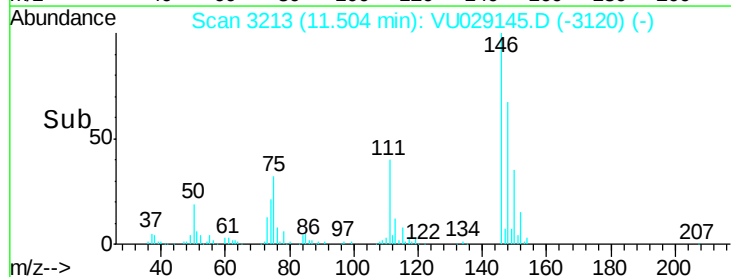
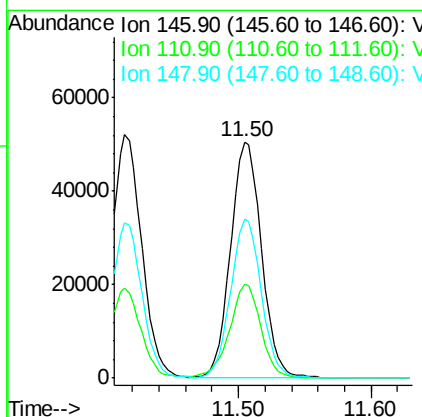
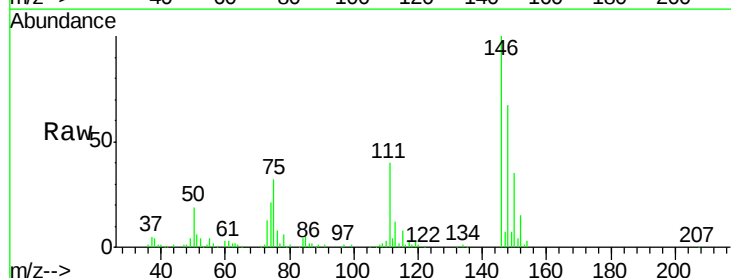
Manual Integrations  
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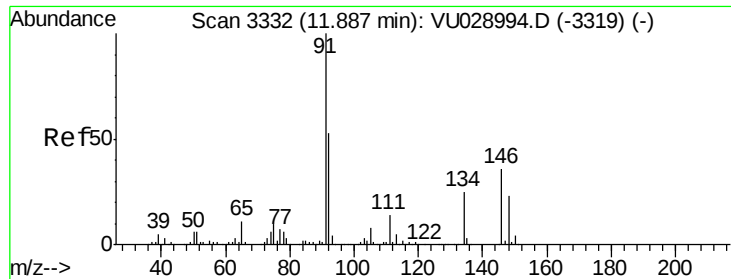
MMDadoda  
 1/14/2019 10:59:02 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 17.677 ug/l  
 RT: 11.50 min Scan# 3213  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.5  | 19.1  | 57.3  |
| 148     | 66.8  | 32.6  | 98.0  |





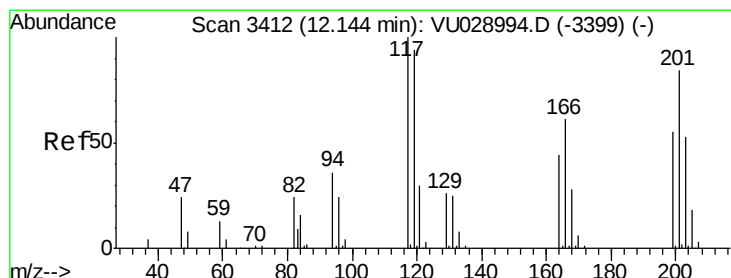
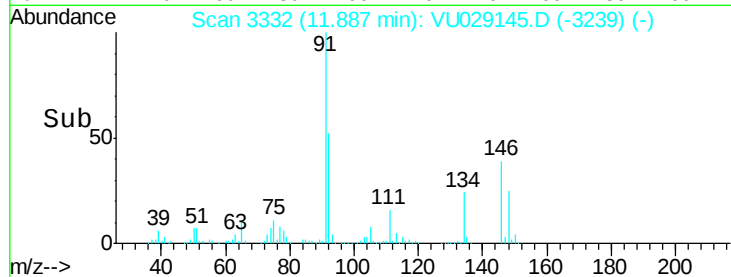
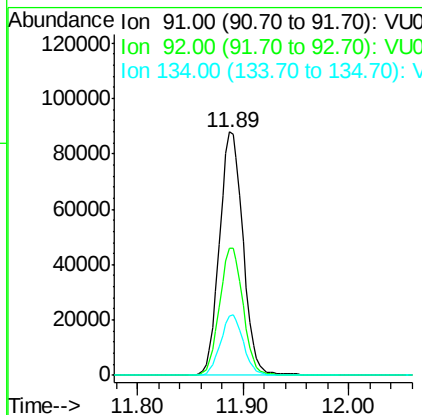
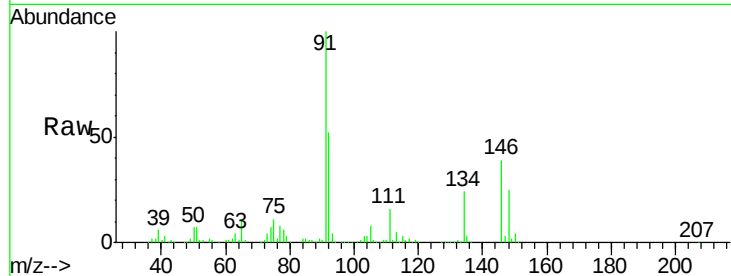
#89  
n-Butylbenzene  
Concen: 19.011 ug/l  
RT: 11.89 min Scan# 3332  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.3  | 26.2  | 78.5  |
| 134     | 23.9  | 12.6  | 37.6  |

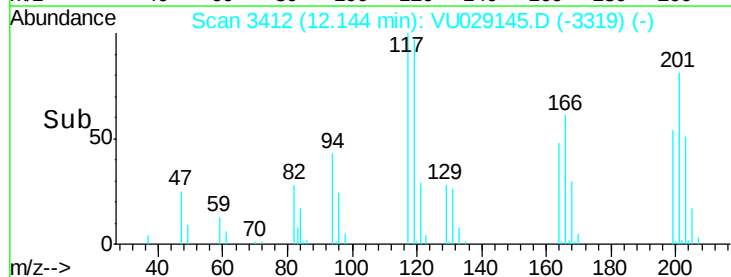
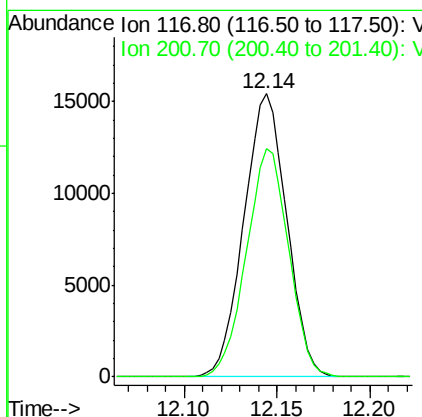
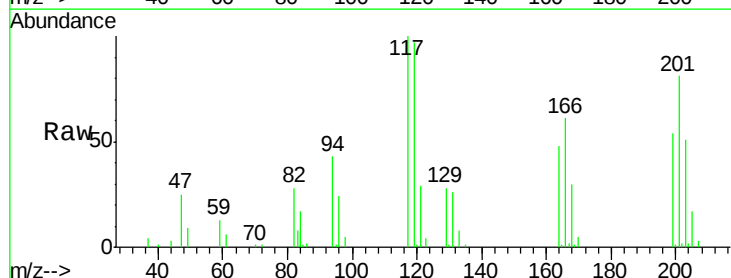
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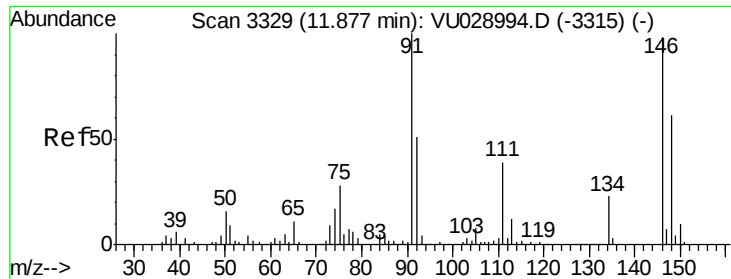
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1/14/2019 10:59:02 AM



#90  
Hexachloroethane  
Concen: 18.419 ug/l  
RT: 12.14 min Scan# 3412  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 79.5  | 42.4  | 127.3 |





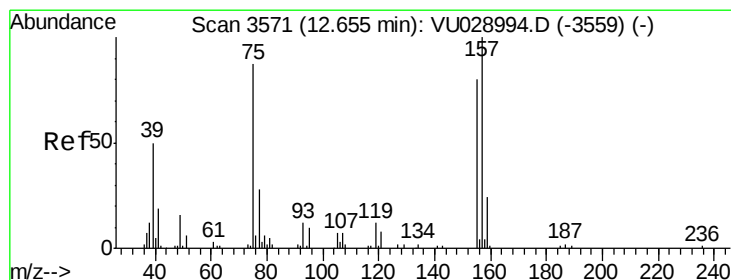
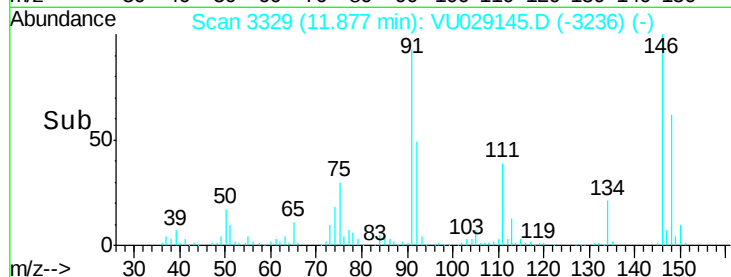
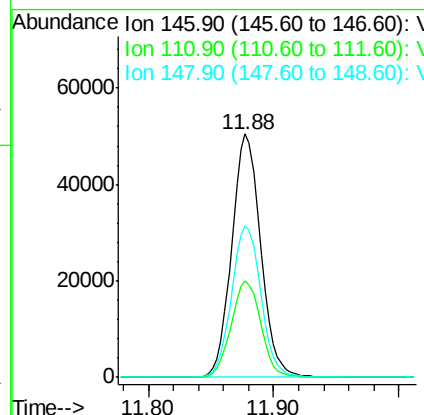
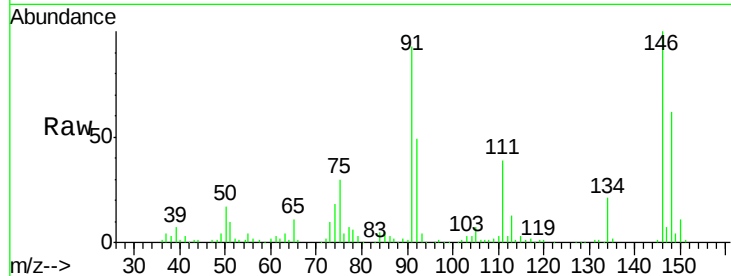
#91  
 1,2-Dichlorobenzene  
 Concen: 17.807 ug/l  
 RT: 11.88 min Scan# 3329  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0112WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.5  | 20.0  | 59.9  |
| 148     | 63.5  | 31.6  | 94.8  |

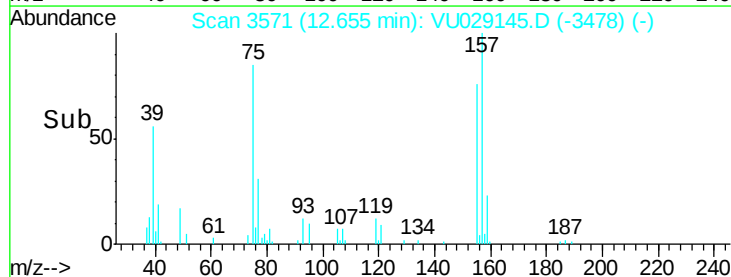
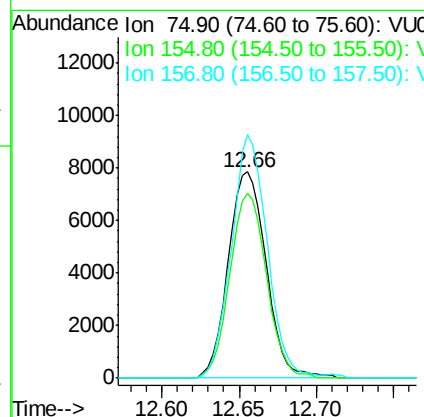
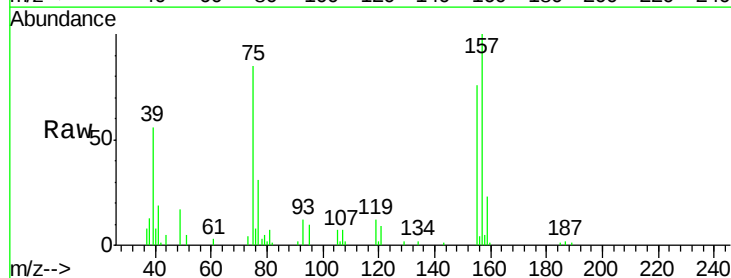
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.393 ug/l  
 RT: 12.66 min Scan# 3571  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 86.6  | 46.3  | 138.8 |
| 157     | 111.3 | 57.4  | 172.0 |





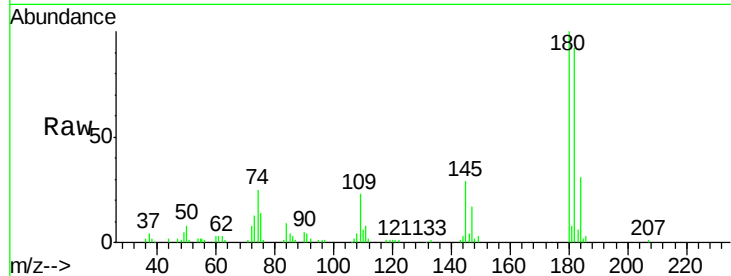
#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.381 ug/l  
 RT: 13.50 min Scan# 3834  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0112WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.2  | 47.5  | 142.6 |
| 145     | 28.5  | 14.0  | 42.0  |

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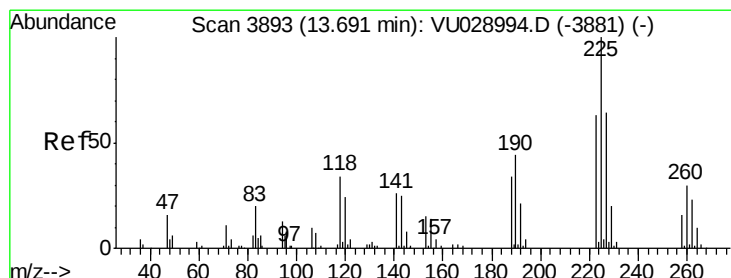
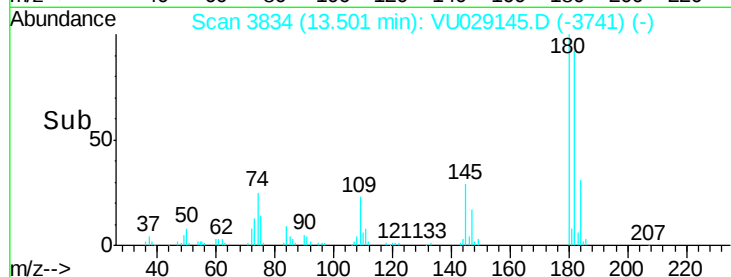
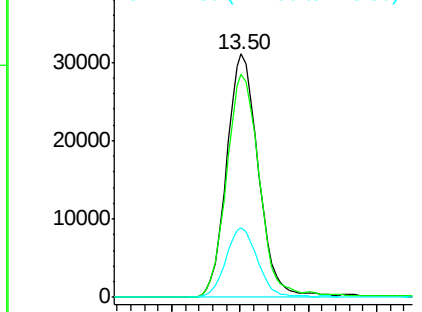


Abundance

Ion 179.80 (179.50 to 180.50): V

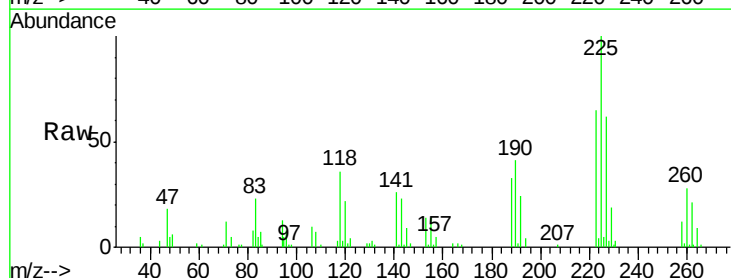
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94  
 Hexachlorobutadiene  
 Concen: 20.709 ug/l  
 RT: 13.69 min Scan# 3893  
 Delta R.T. 0.00 min  
 Lab File: VU029145.D  
 Acq: 11 Jan 2019 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.6  | 31.4  | 94.0  |
| 227     | 62.5  | 31.9  | 95.5  |

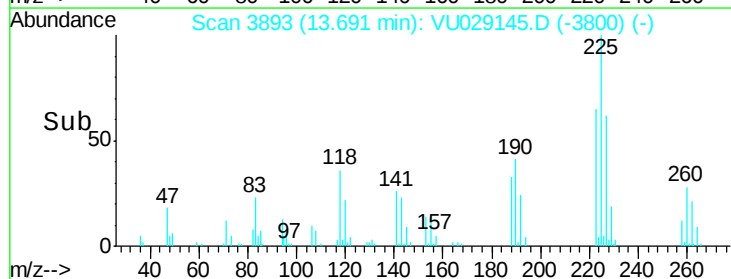
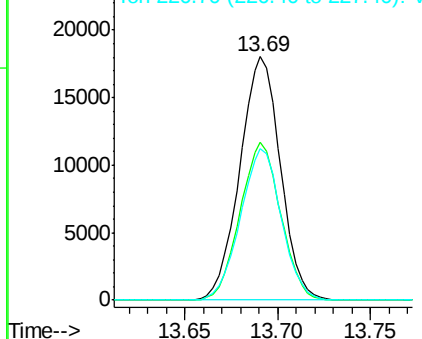


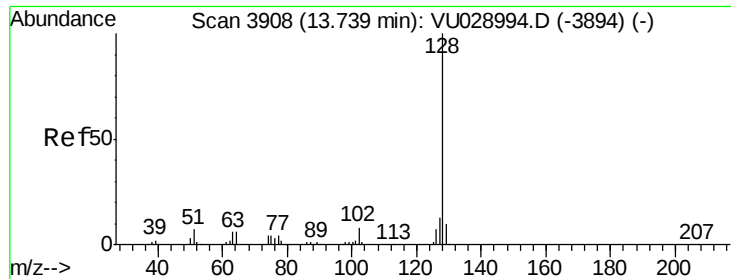
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





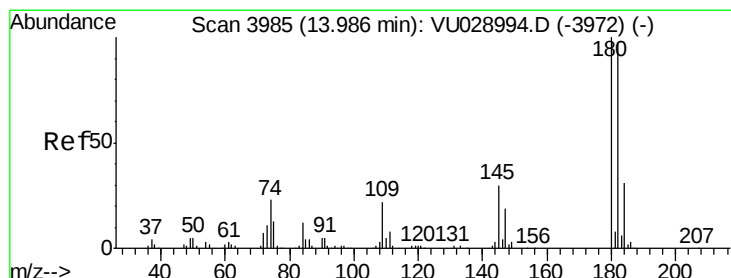
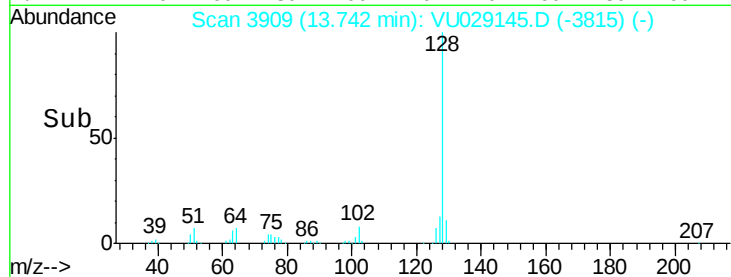
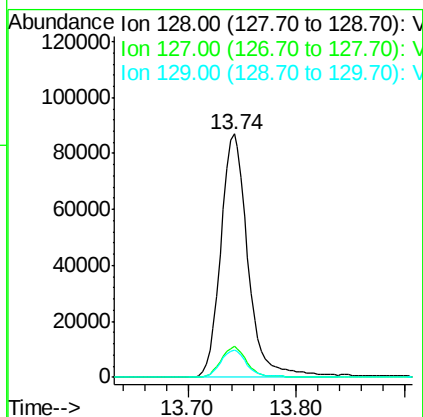
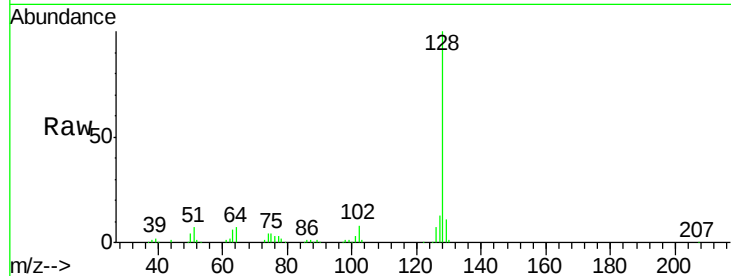
#95  
Naphthalene  
Concen: 15.521 ug/l  
RT: 13.74 min Scan# 3909  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0112WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.5  | 10.1  | 15.1  |
| 129     | 10.3  | 8.5   | 12.7  |

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1/14/2019 10:59:02 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 17.639 ug/l  
RT: 13.99 min Scan# 3985  
Delta R.T. 0.00 min  
Lab File: VU029145.D  
Acq: 11 Jan 2019 16:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.9  | 48.1  | 144.3 |
| 145     | 30.5  | 14.8  | 44.4  |

