

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\  
 Data File : VU025892.D  
 Acq On : 06 Aug 2018 17:41  
 Operator : MD/SY  
 Sample : VU0806MBSD01  
 Misc : 5.00µ/10mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0806MBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 8/7/2018 1:51:38 PM

Quant Time: Aug 07 07:53:29 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U072718W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 00:49:55 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.99  | 168  | 168230   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 247413   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 246820   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 152852   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 5.31   | 65  | 133084   | 50.77 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.54% |      |
| 35) Dibromofluoromethane  | 4.89   | 113 | 108305   | 50.33 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.66% |      |
| 50) Toluene-d8            | 7.57   | 98  | 379306   | 50.37 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.74% |      |
| 62) 4-Bromofluorobenzene  | 10.31  | 95  | 142188   | 48.65 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.30%  |      |

## Target Compounds

|                               |      |     |        |        |      | Qvalue |
|-------------------------------|------|-----|--------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.21 | 85  | 40884  | 16.08  | ug/l | 100    |
| 3) Chloromethane              | 1.34 | 50  | 44082  | 18.14  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.41 | 62  | 41692  | 18.23  | ug/l | 98     |
| 5) Bromomethane               | 1.63 | 94  | 25818  | 23.11  | ug/l | 94     |
| 6) Chloroethane               | 1.70 | 64  | 26907  | 20.12  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 1.89 | 101 | 64354  | 19.46  | ug/l | 99     |
| 8) Diethyl Ether              | 2.10 | 74  | 22545  | 18.84  | ug/l | 92     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.29 | 101 | 38579  | 20.16  | ug/l | 97     |
| 10) Methyl Iodide             | 2.41 | 142 | 31430  | 23.18  | ug/l | 99     |
| 11) Tert butyl alcohol        | 2.83 | 59  | 54337  | 94.68  | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.28 | 96  | 36804  | 20.38  | ug/l | 92     |
| 13) Acrolein                  | 2.20 | 56  | 35244  | 168.92 | ug/l | 97     |
| 14) Allyl chloride            | 2.60 | 41  | 61835  | 19.05  | ug/l | 99     |
| 15) Acrylonitrile             | 2.94 | 53  | 122410 | 106.83 | ug/l | 98     |
| 16) Acetone                   | 2.32 | 43  | 137645 | 107.71 | ug/l | 97     |
| 17) Carbon Disulfide          | 2.48 | 76  | 109616 | 18.75  | ug/l | 99     |
| 18) Methyl Acetate            | 2.62 | 43  | 57831  | 18.80  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 3.00 | 73  | 135115 | 20.64  | ug/l | 98     |
| 20) Methylene Chloride        | 2.71 | 84  | 46145  | 20.37  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 2.99 | 96  | 40919  | 19.60  | ug/l | 98     |
| 22) Diisopropyl ether         | 3.58 | 45  | 133042 | 20.80  | ug/l | 97     |
| 23) Vinyl Acetate             | 3.53 | 43  | 584302 | 104.82 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.45 | 63  | 78225  | 20.37  | ug/l | 100    |
| 25) 2-Butanone                | 4.27 | 43  | 211417 | 121.53 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 4.23 | 77  | 66305  | 19.00  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.23 | 96  | 46235  | 19.64  | ug/l | 99     |
| 28) Bromochloromethane        | 4.55 | 49  | 35648  | 20.76  | ug/l | 95     |
| 29) Tetrahydrofuran           | 4.64 | 42  | 107377 | 103.03 | ug/l | 99     |
| 30) Chloroform                | 4.68 | 83  | 82951  | 20.47  | ug/l | 100    |
| 31) Cyclohexane               | 5.00 | 56  | 67647  | 19.43  | ug/l | 94     |
| 32) 1,1,1-Trichloroethane     | 4.92 | 97  | 75292  | 20.63  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.14 | 75  | 59278  | 20.50  | ug/l | 96     |
| 37) Ethyl Acetate             | 4.38 | 43  | 64657  | 21.57  | ug/l | 98     |
| 38) Carbon Tetrachloride      | 5.14 | 117 | 68090  | 20.79  | ug/l | 98     |

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 Operator : MD/SY  
 Sample : VU0806MBSD01  
 Misc : 5.00µ/10mL/100µL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 VU0806MBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 8/7/2018 1:51:38 PM

Quant Time: Aug 07 07:53:29 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U072718W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 00:49:55 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 6.42  | 83   | 63047    | 19.03  | ug/l   | 99       |
| 40) Benzene                    | 5.39  | 78   | 171282   | 20.27  | ug/l   | 97       |
| 41) Methacrylonitrile          | 4.55  | 41   | 35662    | 21.42  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 5.41  | 62   | 68684    | 21.10  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 5.55  | 43   | 102069   | 20.60  | ug/l   | 100      |
| 44) Trichloroethene            | 6.19  | 130  | 47680    | 20.26  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 6.44  | 63   | 46905    | 21.28  | ug/l   | 93       |
| 46) Dibromomethane             | 6.56  | 93   | 32330    | 20.24  | ug/l   | 98       |
| 47) Bromodichloromethane       | 6.76  | 83   | 63273    | 20.77  | ug/l   | 94       |
| 48) Methyl methacrylate        | 6.63  | 41   | 50341    | 20.73  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 6.62  | 88   | 21514    | 364.09 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 7.46  | 43   | 405778   | 130.82 | ug/l   | 100      |
| 52) Toluene                    | 7.64  | 92   | 108735   | 20.71  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 7.88  | 75   | 69313    | 20.26  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 7.27  | 75   | 73058    | 20.79  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 8.07  | 97   | 45121    | 20.68  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 8.02  | 69   | 62918    | 20.18  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 8.25  | 76   | 76431    | 20.83  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 7.13  | 63   | 114466   | 85.86  | ug/l   | 99       |
| 59) 2-Hexanone                 | 8.36  | 43   | 306093   | 125.89 | ug/l   | 99       |
| 60) Dibromochloromethane       | 8.48  | 129  | 51677    | 20.08  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 8.59  | 107  | 50923    | 20.98  | ug/l   | 97       |
| 64) Tetrachloroethene          | 8.23  | 164  | 46571    | 21.44  | ug/l   | 96       |
| 65) Chlorobenzene              | 9.12  | 112  | 125481   | 19.72  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 47213    | 20.51  | ug/l   | 98       |
| 67) Ethyl Benzene              | 9.25  | 91   | 207816   | 19.72  | ug/l   | 99       |
| 68) m/p-Xylenes                | 9.38  | 106  | 164456   | 40.64  | ug/l   | 97       |
| 69) o-Xylene                   | 9.78  | 106  | 76967    | 19.46  | ug/l   | 96       |
| 70) Styrene                    | 9.80  | 104  | 129165   | 20.22  | ug/l   | 99       |
| 71) Bromoform                  | 9.96  | 173  | 38596    | 19.34  | ug/l # | 97       |
| 73) Isopropylbenzene           | 10.17 | 105  | 210100   | 20.14  | ug/l   | 99       |
| 74) N-amyl acetate             | 10.02 | 43   | 86169    | 20.23  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 72335    | 20.05  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 10.50 | 75   | 64332m   | 19.10  | ug/l   |          |
| 77) Bromobenzene               | 10.46 | 156  | 58435    | 20.31  | ug/l   | 99       |
| 78) n-propylbenzene            | 10.59 | 91   | 246179   | 20.22  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 147258   | 20.65  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 10.78 | 105  | 183875   | 20.75  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 10.51 | 75   | 22849m   | 17.01  | ug/l   |          |
| 82) 4-Chlorotoluene            | 10.78 | 91   | 175414   | 20.87  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.10 | 119  | 170298   | 19.35  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 184698   | 20.57  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.33 | 105  | 211912   | 19.72  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 11.48 | 119  | 189816   | 19.72  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 11.42 | 146  | 105860   | 19.82  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 11.51 | 146  | 108293   | 19.45  | ug/l   | 99       |
| 89) n-Butylbenzene             | 11.89 | 91   | 161968   | 18.24  | ug/l   | 100      |
| 90) Hexachloroethane           | 12.15 | 117  | 32228    | 18.83  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 11.88 | 146  | 104844   | 20.03  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 17145    | 20.05  | ug/l   | 96       |

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Sample : VU0806MBSD01  
Misc : 5.00µg/10mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0806MBSD01

Manual Integrations  
APPROVED

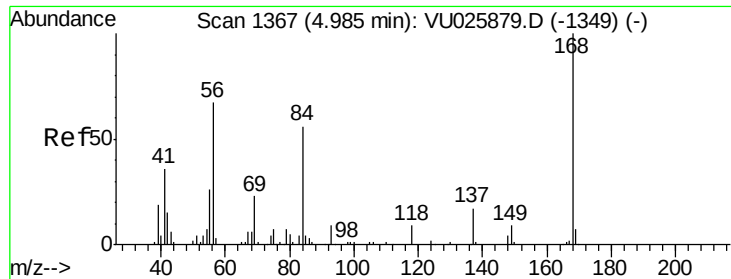
MMDadoda  
8/7/2018 1:51:38 PM

Quant Time: Aug 07 07:53:29 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U072718W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 07 00:49:55 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.51 | 180  | 65433    | 18.52 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 13.70 | 225  | 30132    | 16.18 | ug/l  | 99       |
| 95) Naphthalene            | 13.75 | 128  | 189517   | 17.53 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 13.99 | 180  | 67644    | 19.19 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0806MBSD01

Tot Ion:168 Resp: 168230

Ion Ratio Lower Upper

168 100

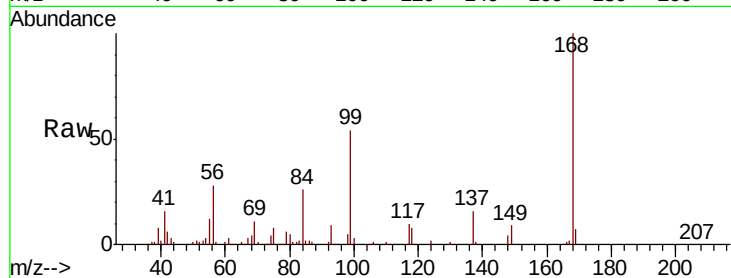
99 53.6 42.8 64.2

Manual Integrations

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8/7/2018 1:51:38 PM



Abundance Ion 167.90 (167.60 to 168.60): VU025879.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025879.D (-1349) (-)

80000

60000

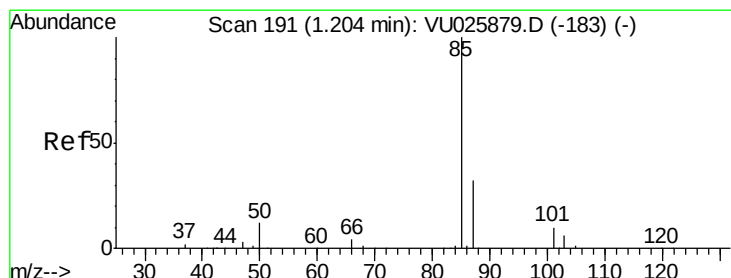
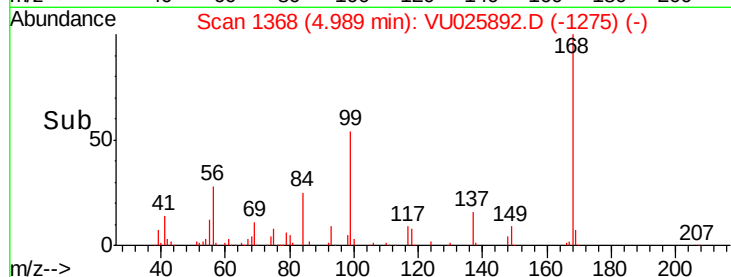
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 16.08 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025892.D

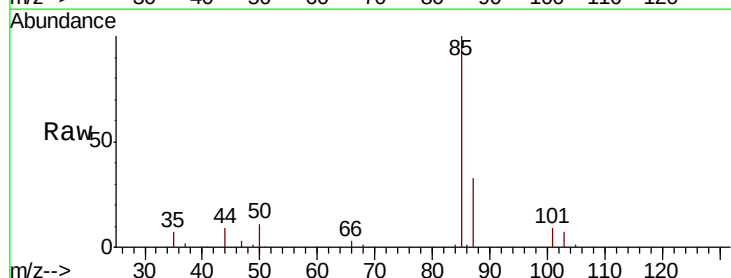
Acq: 06 Aug 2018 17:41

Tgt Ion: 85 Resp: 40884

Ion Ratio Lower Upper

85 100

87 33.1 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025879.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025879.D (-183) (-)

40000

30000

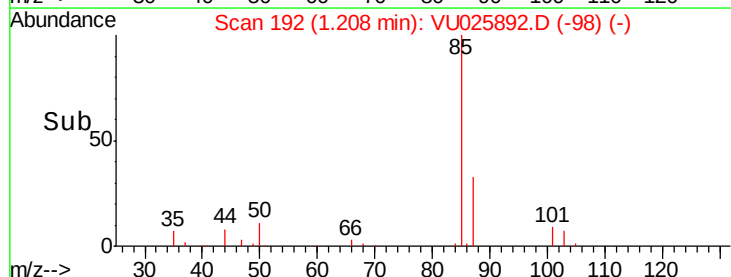
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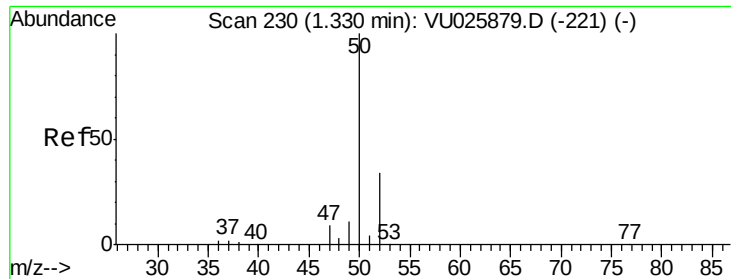
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0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 18.14 ug/l

RT: 1.34 min Scan# 232

Delta R.T. 0.01 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0806MBSD01

Tot Ion: 50 Resp: 44082

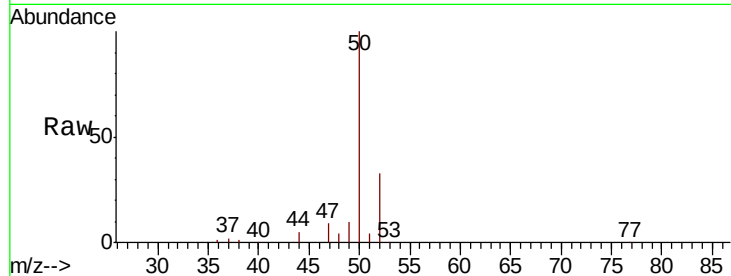
Ion Ratio Lower Upper

50 100

52 33.4 26.5 39.7

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8/7/2018 1:51:38 PM



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.34

40000

30000

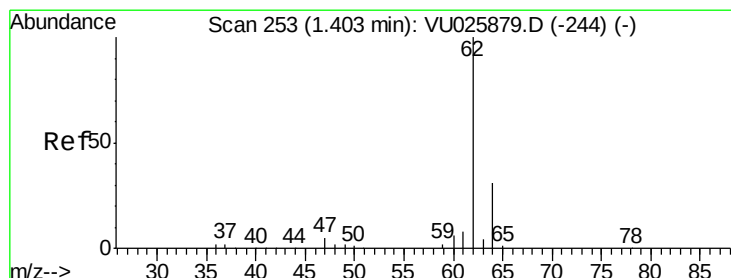
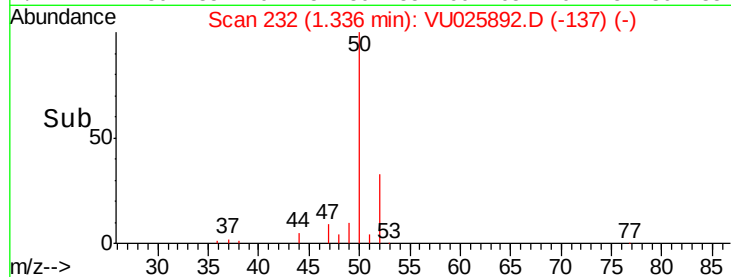
20000

10000

0

Time-->

1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 18.23 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025892.D

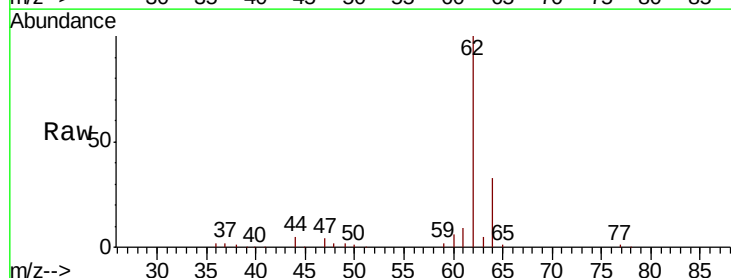
Acq: 06 Aug 2018 17:41

Tgt Ion: 62 Resp: 41692

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.41

40000

30000

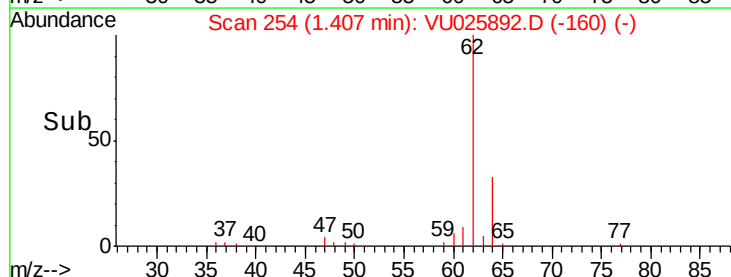
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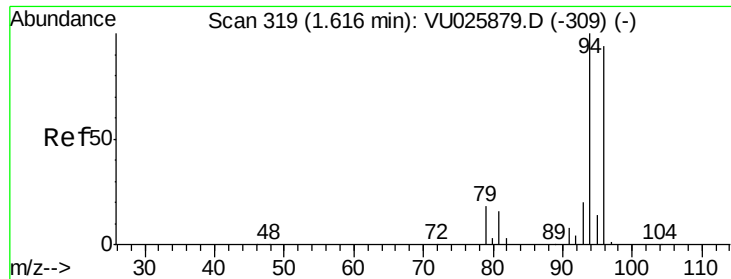
10000

0

Time-->

1.35 1.40 1.45





#5

Bromomethane

Concen: 23.11 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0806MBSD01

Tot Ion: 94 Resp: 25818

Ion Ratio Lower Upper

94 100

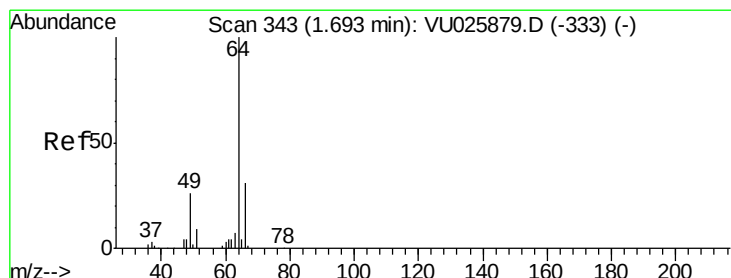
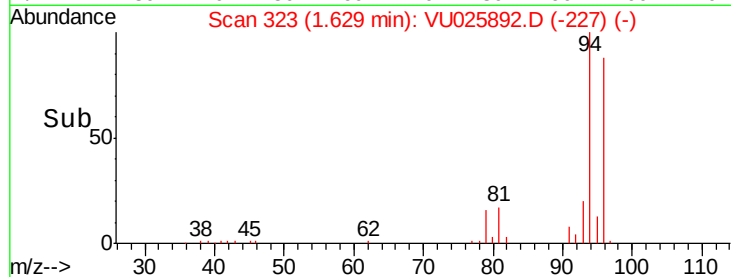
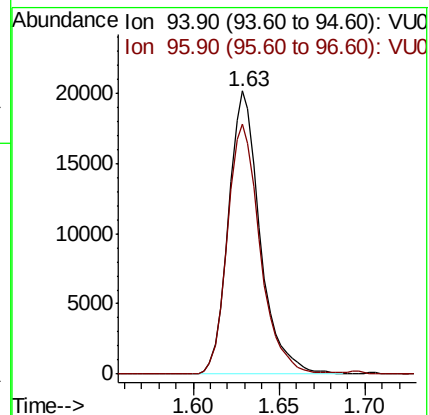
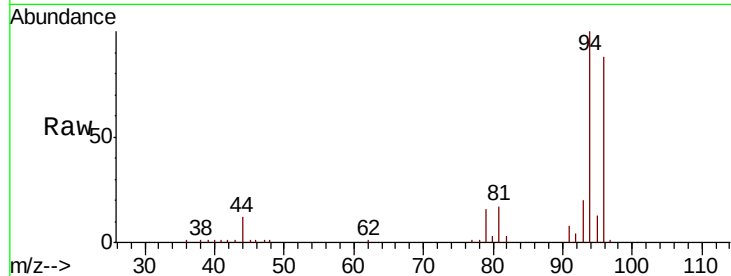
96 88.4 75.0 112.4

Manual Integrations

APPROVED

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8/7/2018 1:51:38 PM



#6

Chloroethane

Concen: 20.12 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025892.D

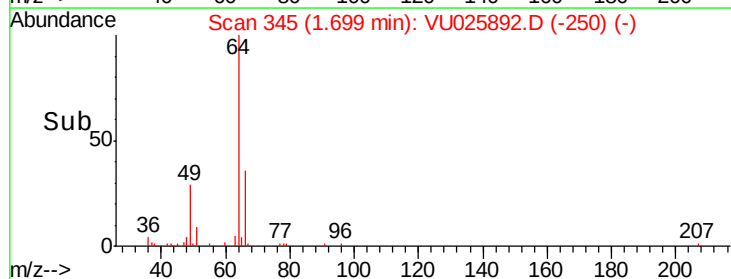
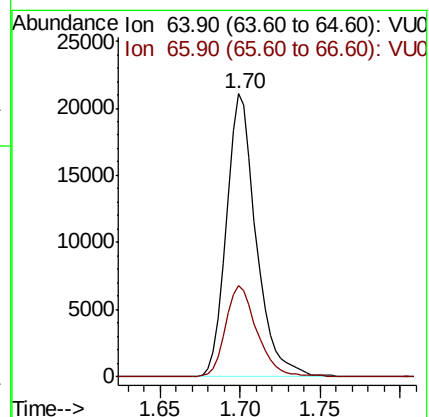
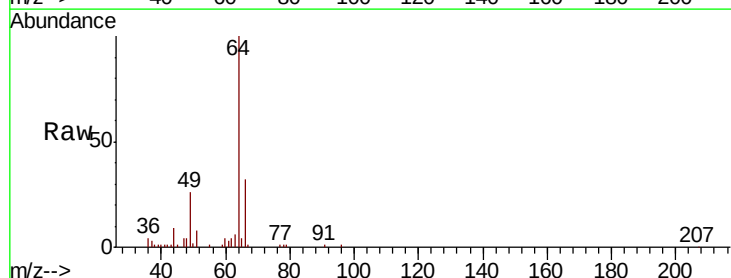
Acq: 06 Aug 2018 17:41

Tgt Ion: 64 Resp: 26907

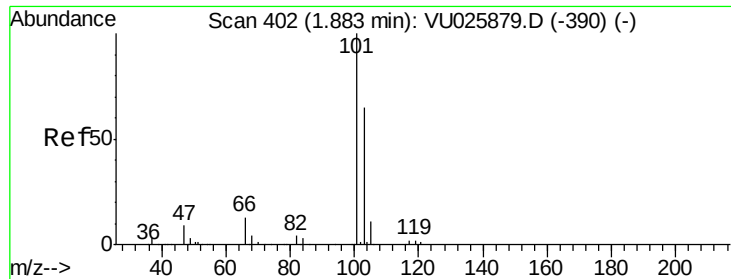
Ion Ratio Lower Upper

64 100

66 32.2 25.0 37.4







#7

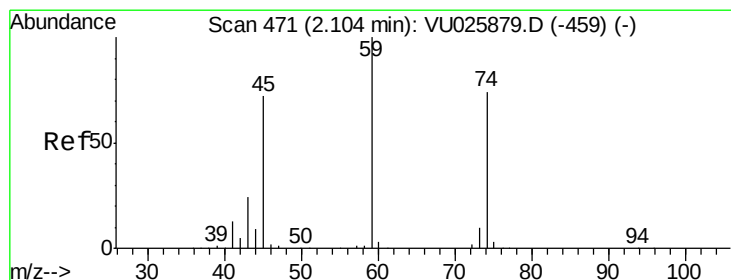
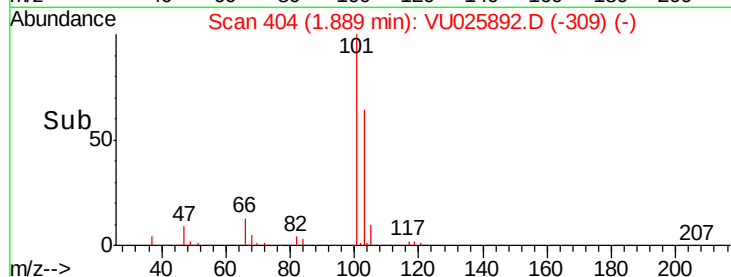
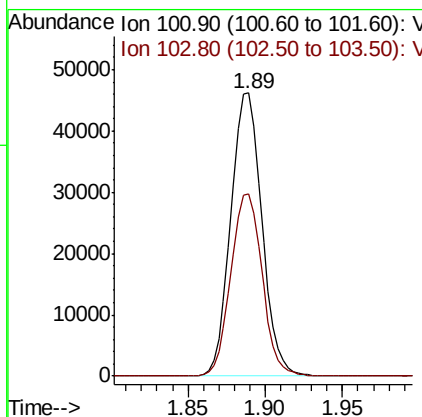
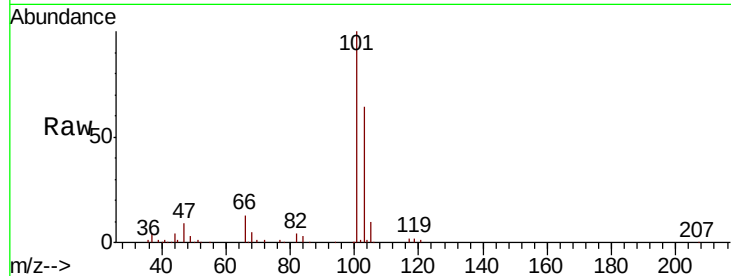
Trichlorofluoromethane  
 Concen: 19.46 ug/l  
 RT: 1.89 min Scan# 404  
 Delta R.T. 0.01 min  
 Lab File: VU025892.D  
 Acq: 06 Aug 2018 17:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0806MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.2  | 52.2  | 78.2  |

Manual Integrations  
 APPROVED

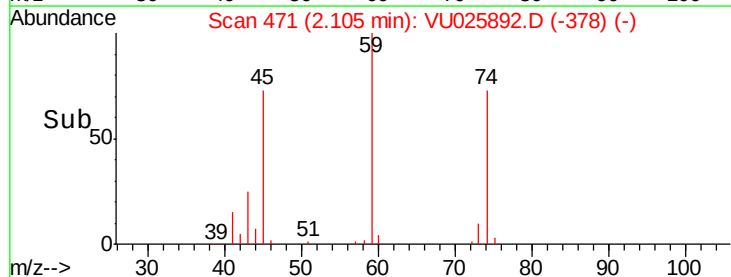
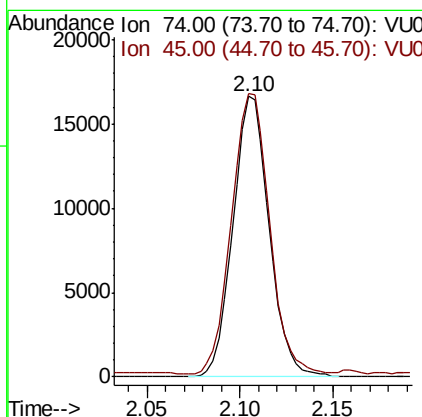
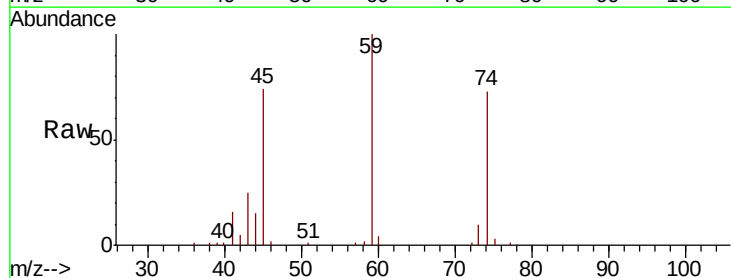
MMDadoda  
 8/7/2018 1:51:38 PM



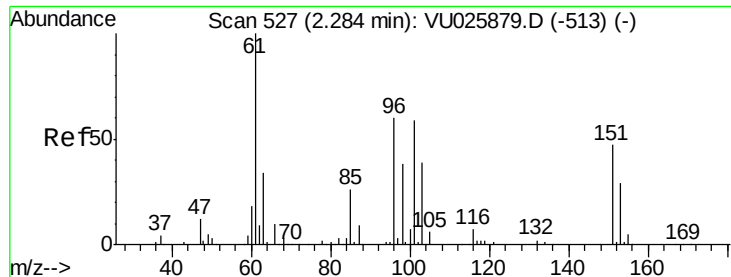
#8

Diethyl Ether  
 Concen: 18.84 ug/l  
 RT: 2.10 min Scan# 471  
 Delta R.T. 0.00 min  
 Lab File: VU025892.D  
 Acq: 06 Aug 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 104.9 | 48.3  | 144.9 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.16 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

Instrument :

MSVOA\_U

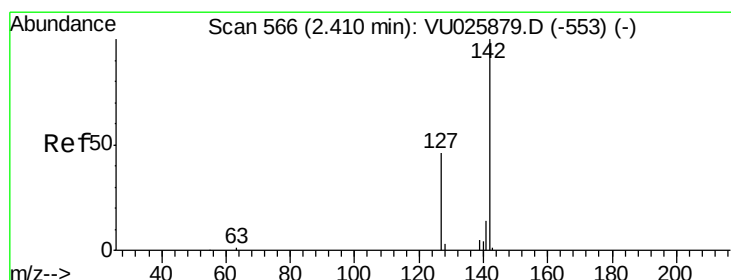
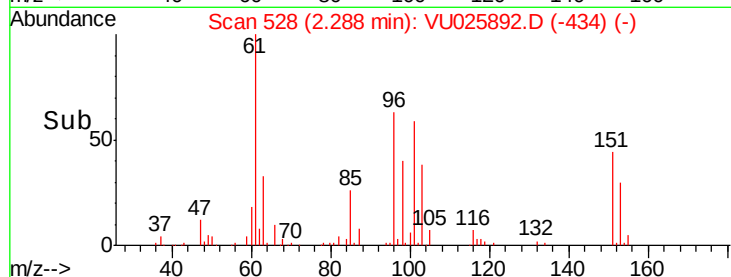
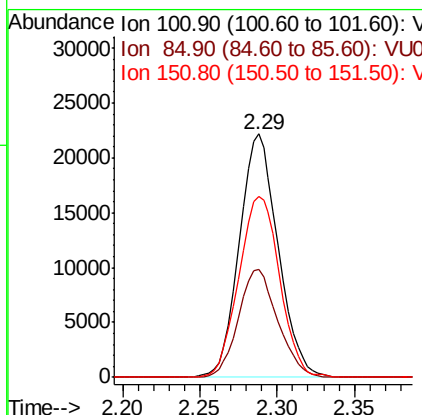
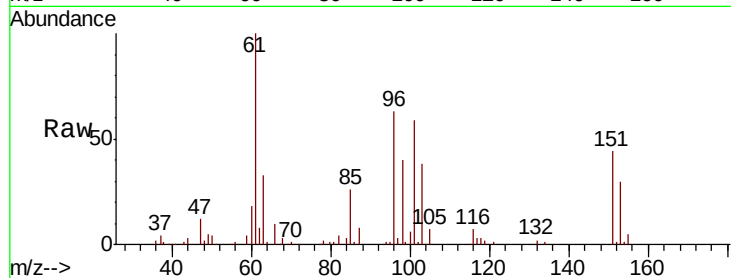
ClientSampleId :

VU0806MBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 38579 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.9  | 36.0  | 54.0  |
| 151       | 78.4  | 65.6  | 98.4  |

Manual Integrations  
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8/7/2018 1:51:38 PM



#10

Methyl Iodide

Concen: 23.18 ug/l

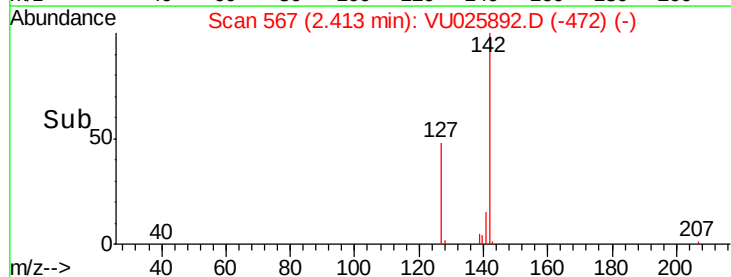
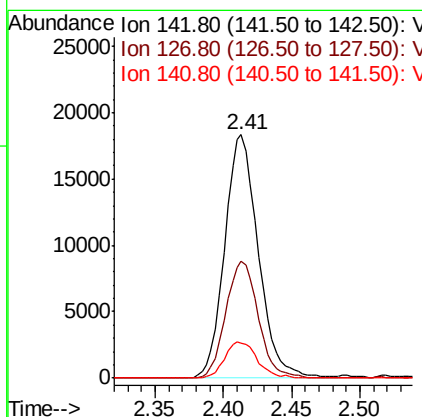
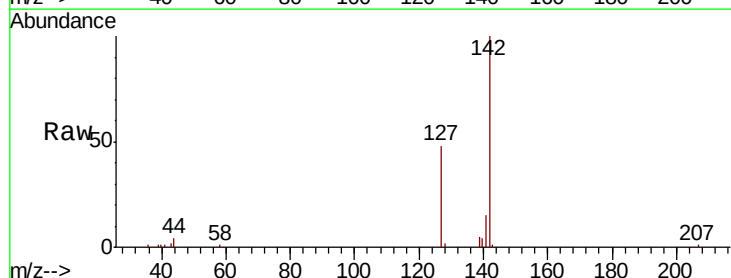
RT: 2.41 min Scan# 567

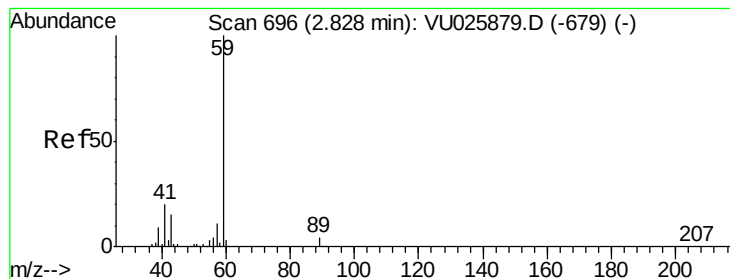
Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 31430 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 46.3  | 36.5  | 54.7  |
| 141       | 14.3  | 11.4  | 17.2  |





#11

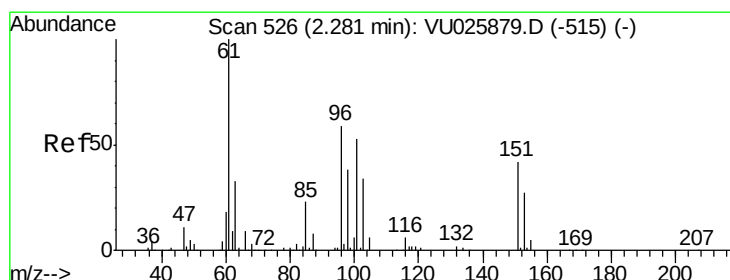
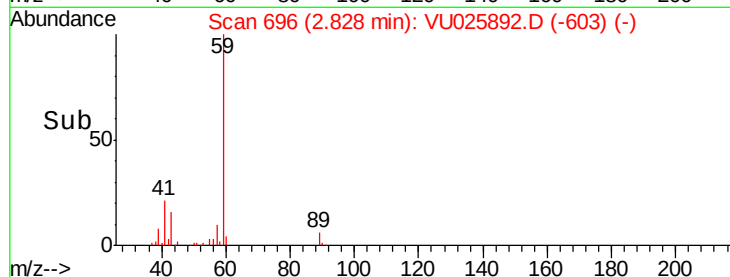
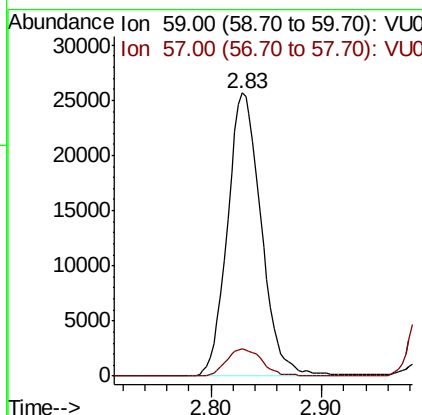
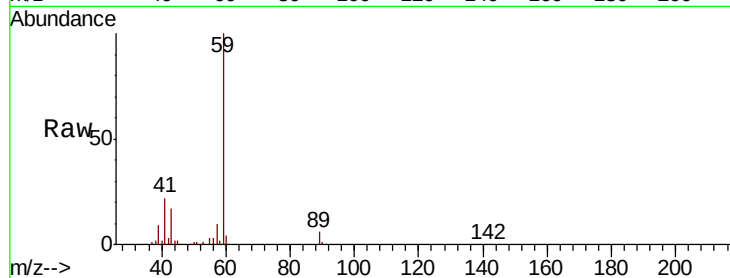
Tert butyl alcohol  
Concen: 94.68 ug/l  
RT: 2.83 min Scan# 696  
Delta R.T. 0.00 min  
Lab File: VU025892.D  
Acq: 06 Aug 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0806MBSD01

| Tot Ion   | 59   | Resp  | 54337 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 57        | 10.1 | 8.2   | 12.2  |

Manual Integrations  
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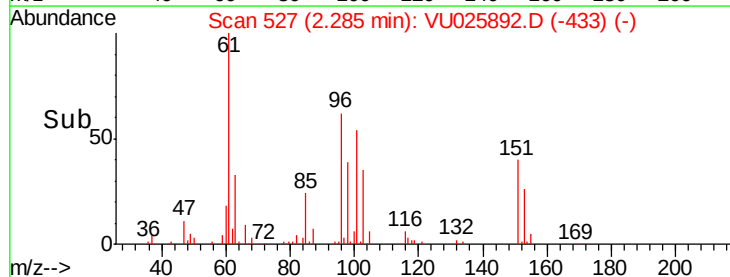
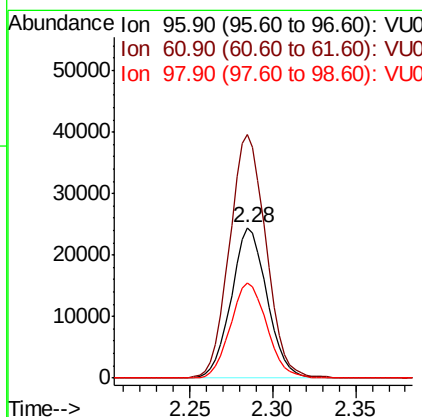
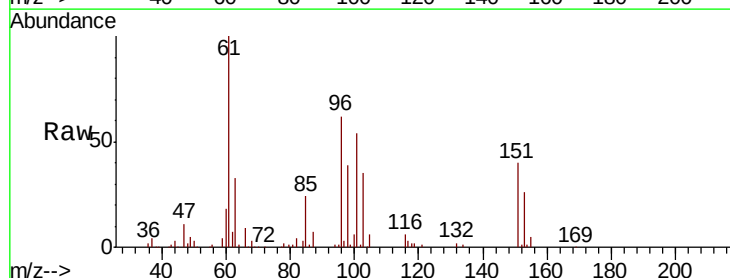
MMDadoda  
8/7/2018 1:51:38 PM

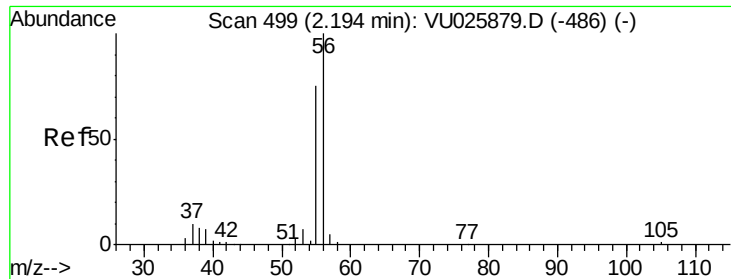


#12

1,1-Dichloroethene  
Concen: 20.38 ug/l  
RT: 2.28 min Scan# 527  
Delta R.T. 0.00 min  
Lab File: VU025892.D  
Acq: 06 Aug 2018 17:41

| Tgt Ion   | 96    | Resp  | 36804 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 61        | 162.1 | 140.2 | 210.4 |
| 98        | 63.7  | 49.3  | 73.9  |





#13

Acrolein

Concen: 168.92 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0806MBSD01

Tot Ion: 56 Resp: 35244

Ion Ratio Lower Upper

56 100

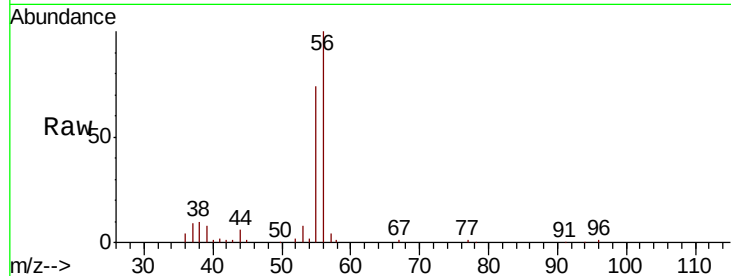
55 74.4 57.2 85.8

Manual Integrations

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8/7/2018 1:51:38 PM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

25000

20000

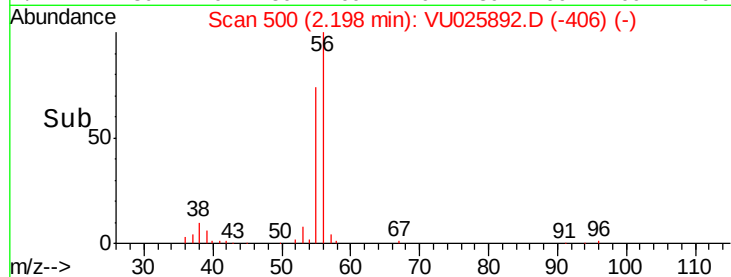
15000

10000

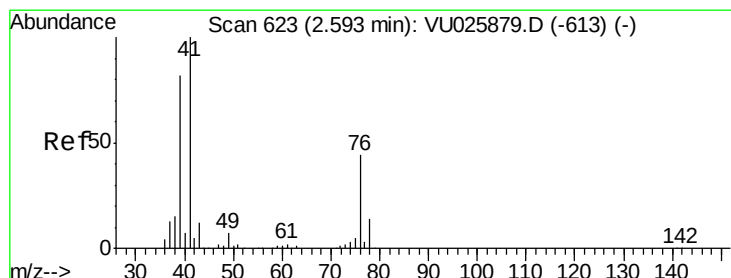
5000

0

Time-->



Time-->



#14

Allyl chloride

Concen: 19.05 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

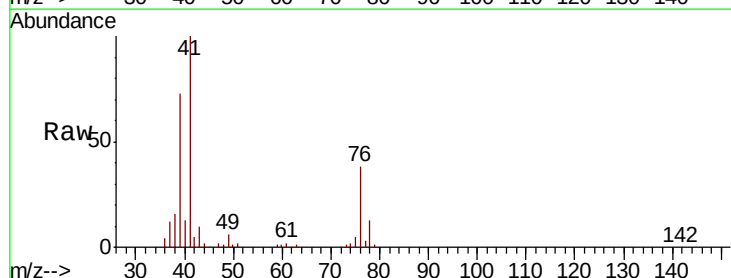
Tgt Ion: 41 Resp: 61835

Ion Ratio Lower Upper

41 100

39 75.1 60.6 91.0

76 37.6 30.5 45.7



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

40000

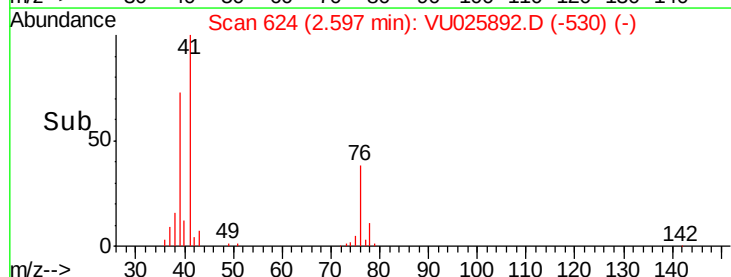
30000

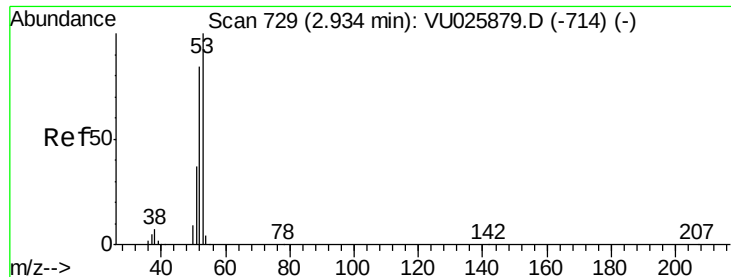
20000

10000

0

Time-->





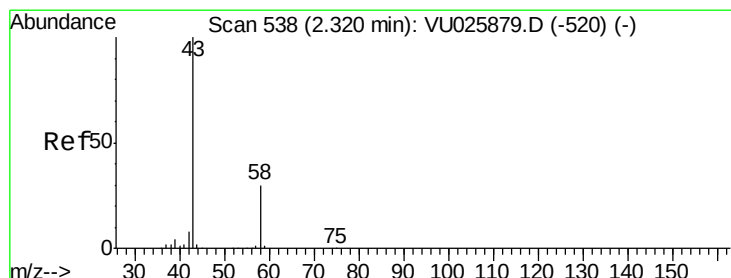
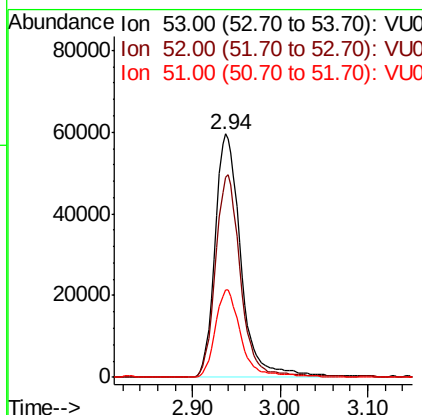
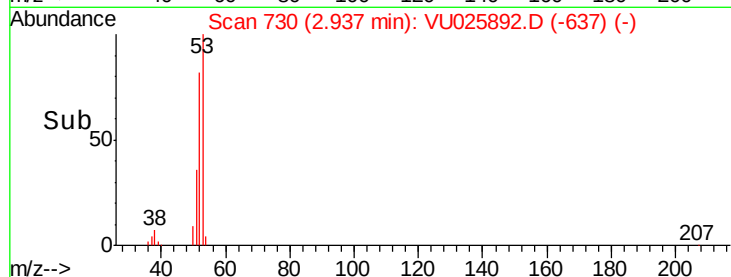
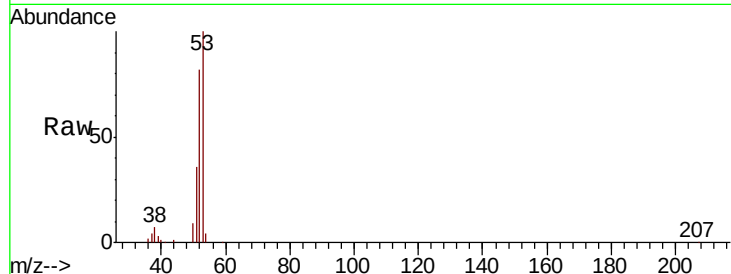
#15  
 Acrylonitrile  
 Concen: 106.83 ug/l  
 RT: 2.94 min Scan# 730  
 Delta R.T. 0.00 min  
 Lab File: VU025892.D  
 Acq: 06 Aug 2018 17:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0806MBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 122410 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 80.7  | 66.6  | 99.8   |
| 51        | 36.1  | 29.4  | 44.2   |

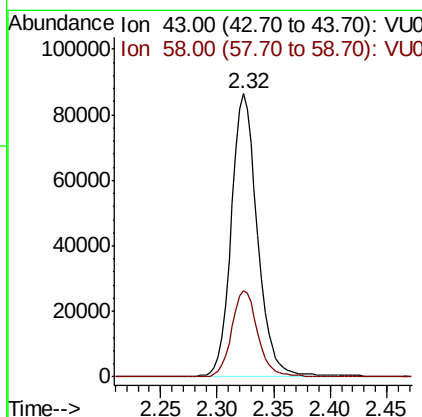
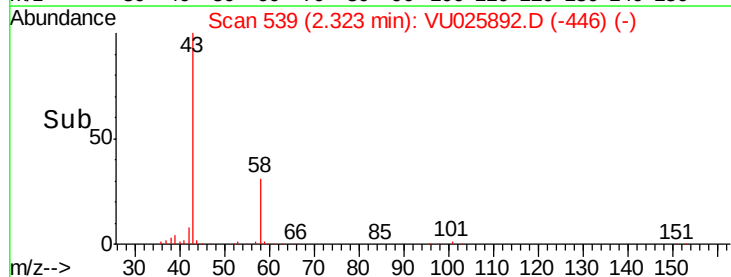
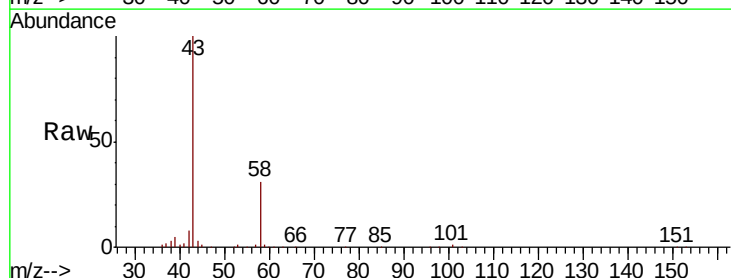
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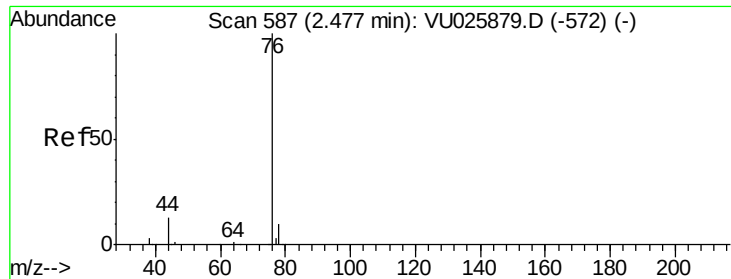
MMDadoda  
 8/7/2018 1:51:38 PM



#16  
 Acetone  
 Concen: 107.71 ug/l  
 RT: 2.32 min Scan# 539  
 Delta R.T. 0.00 min  
 Lab File: VU025892.D  
 Acq: 06 Aug 2018 17:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 137645 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 30.6  | 23.1  | 34.7   |





#17

Carbon Disulfide

Concen: 18.75 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0806MBSD01

Tot Ion: 76 Resp: 109616

Ion Ratio Lower Upper

76 100

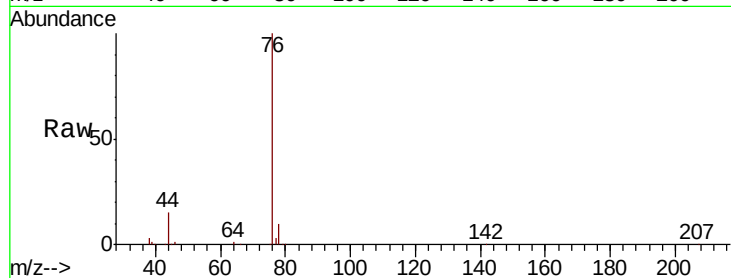
78 9.7 7.4 11.2

Manual Integrations

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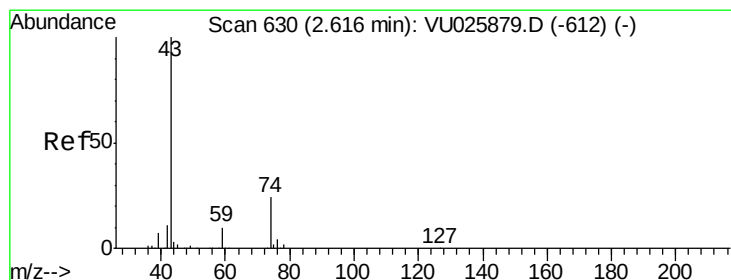
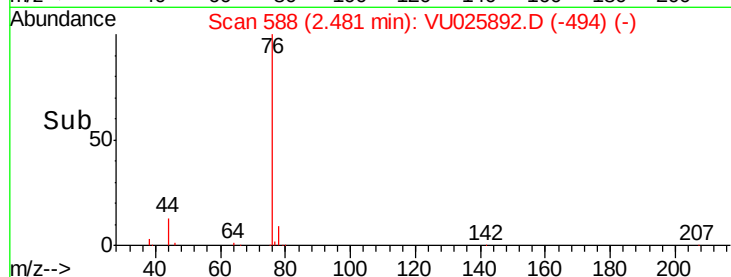
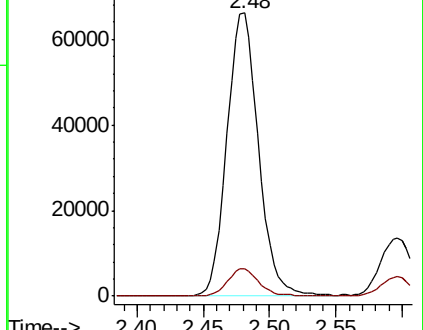
MMDadoda

8/7/2018 1:51:38 PM



Abundance Ion 75.90 (75.60 to 76.60): VU025879.D (-572) (-)

Ion 77.90 (77.60 to 78.60): VU025879.D (-572) (-)



#18

Methyl Acetate

Concen: 18.80 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025892.D

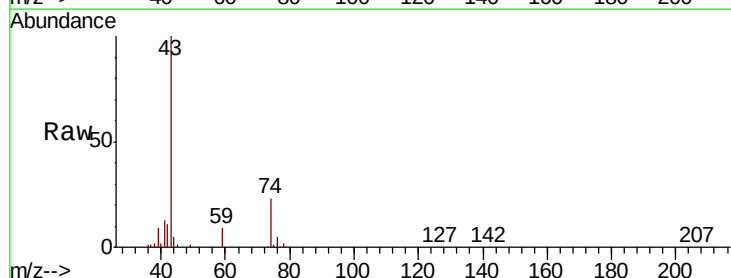
Acq: 06 Aug 2018 17:41

Tgt Ion: 43 Resp: 57831

Ion Ratio Lower Upper

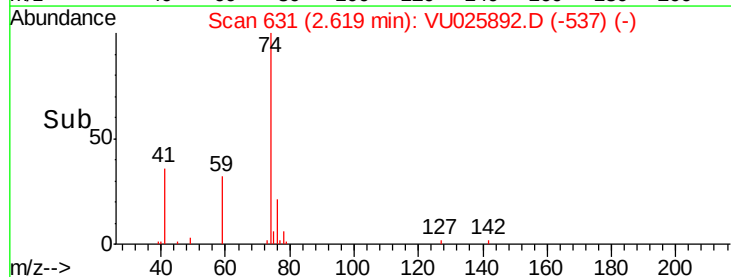
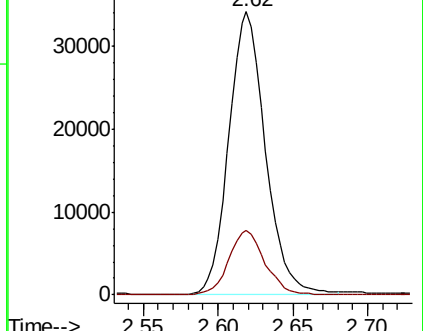
43 100

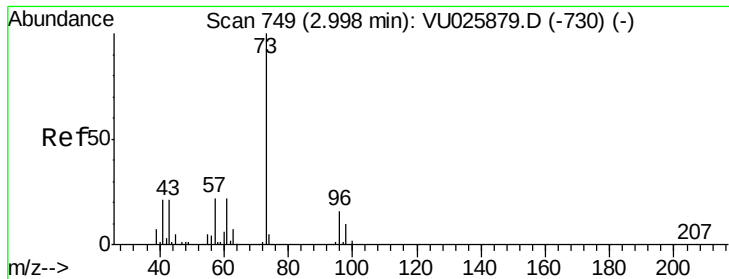
74 22.7 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU025879.D (-612) (-)

Ion 74.00 (73.70 to 74.70): VU025879.D (-612) (-)





#19

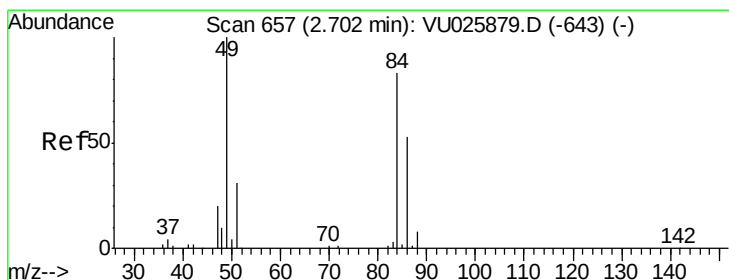
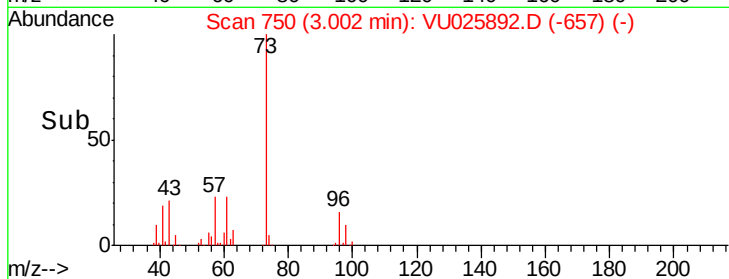
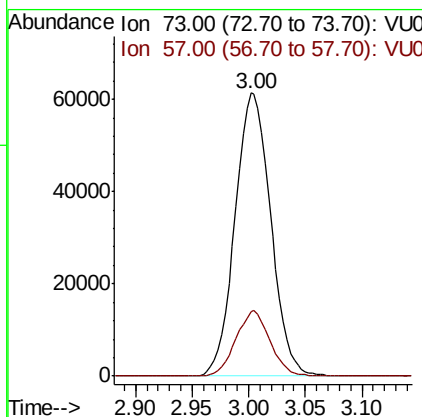
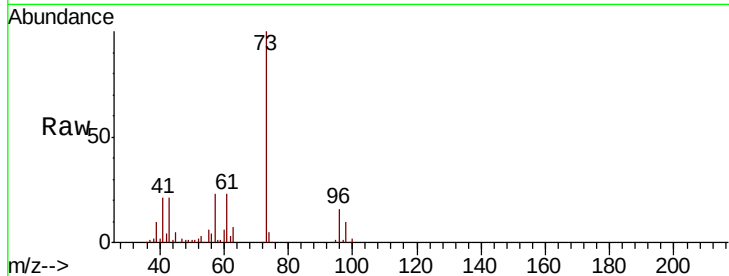
Methvl tert-butvl Ether  
 Concen: 20.64 ug/l  
 RT: 3.00 min Scan# 750  
 Delta R.T. 0.00 min  
 Lab File: VU025892.D  
 Acq: 06 Aug 2018 17:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0806MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 22.7  | 17.4  | 26.2  |

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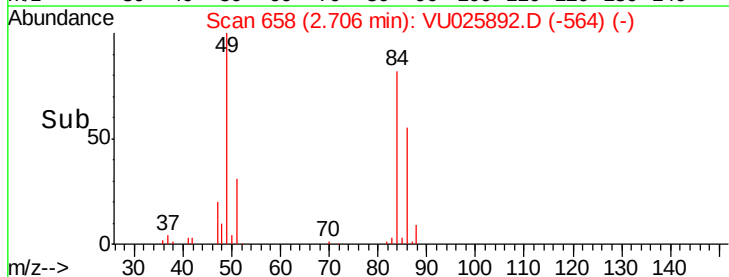
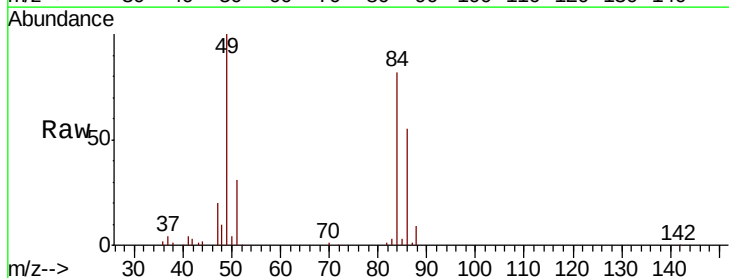
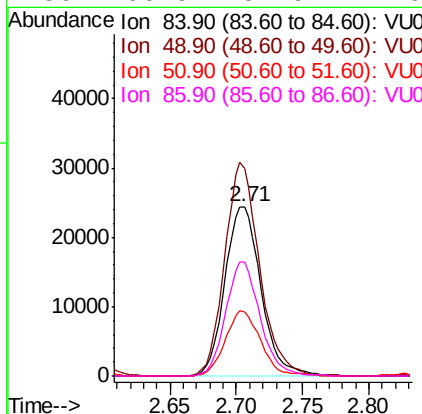
MMDadoda  
 8/7/2018 1:51:38 PM

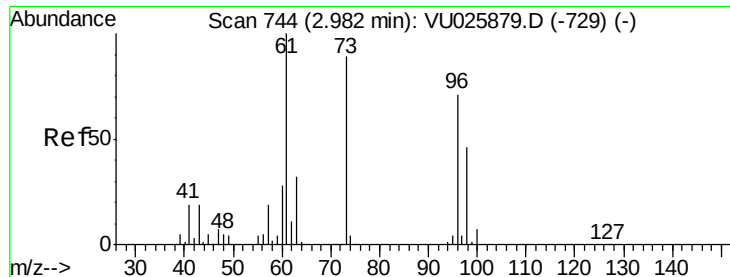


#20

Methylene Chloride  
 Concen: 20.37 ug/l  
 RT: 2.71 min Scan# 658  
 Delta R.T. 0.00 min  
 Lab File: VU025892.D  
 Acq: 06 Aug 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 122.5 | 101.8 | 152.6 |
| 51      | 37.9  | 30.8  | 46.2  |
| 86      | 66.9  | 51.9  | 77.9  |





#21

trans-1,2-Dichloroethene

Concen: 19.60 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

Instrument :

MSVOA\_U

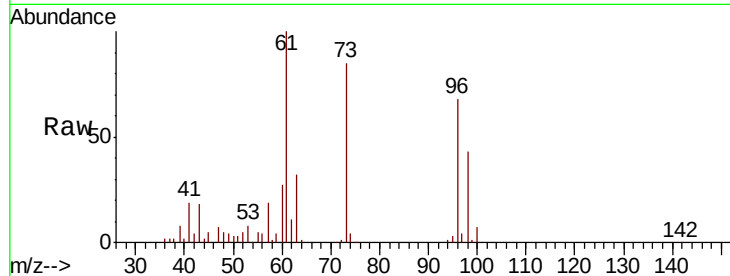
ClientSampleId :

VU0806MBSD01

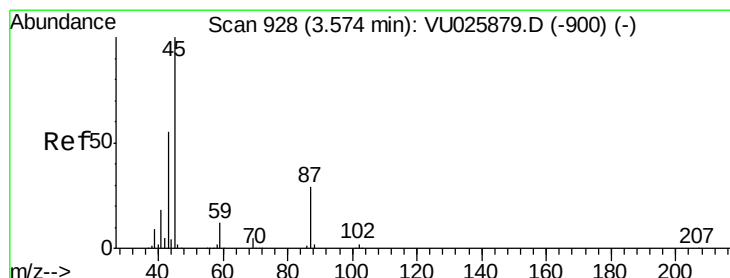
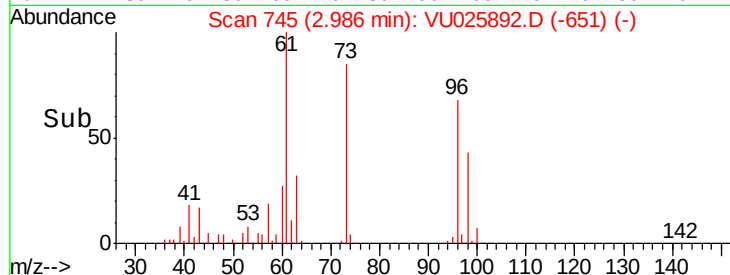
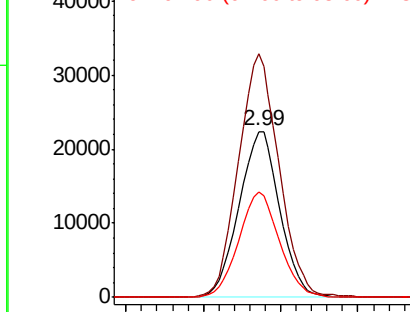
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 40919 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 147.0 | 114.5 | 171.7 |
| 98       | 63.6  | 50.5  | 75.7  |

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8/7/2018 1:51:38 PM



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: 20.80 ug/l

RT: 3.58 min Scan# 929

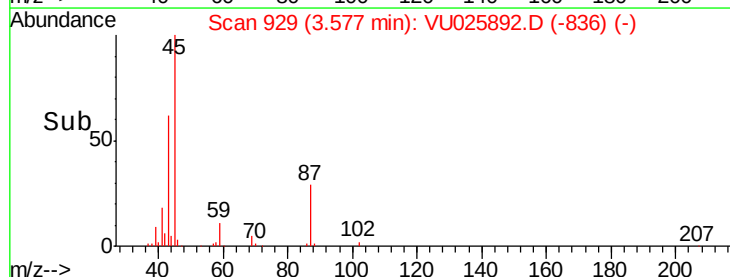
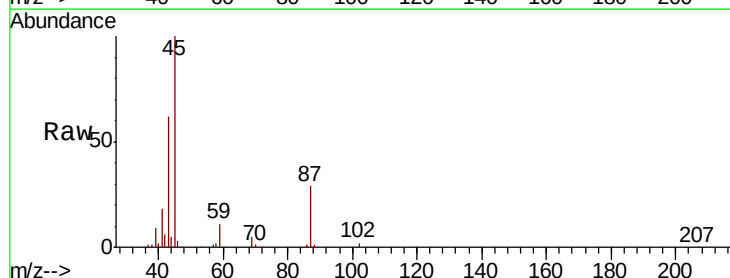
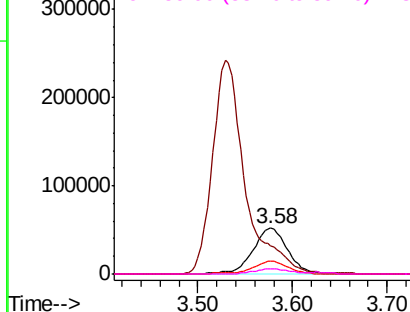
Delta R.T. 0.00 min

Lab File: VU025892.D

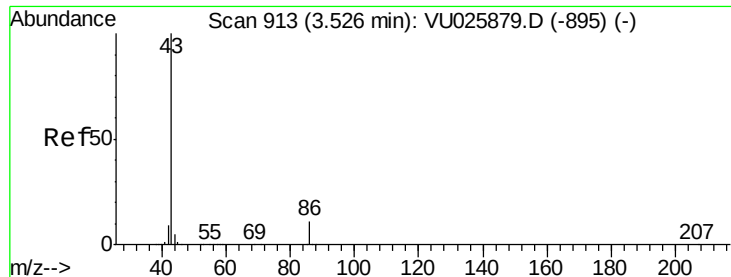
Acq: 06 Aug 2018 17:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 133042 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 60.3  | 50.9  | 76.3   |
| 87       | 28.7  | 23.8  | 35.8   |
| 59       | 11.4  | 9.0   | 13.4   |

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: 104.82 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0806MBSD01

Tot Ion: 43 Resp: 584302

Ion Ratio Lower Upper

43 100

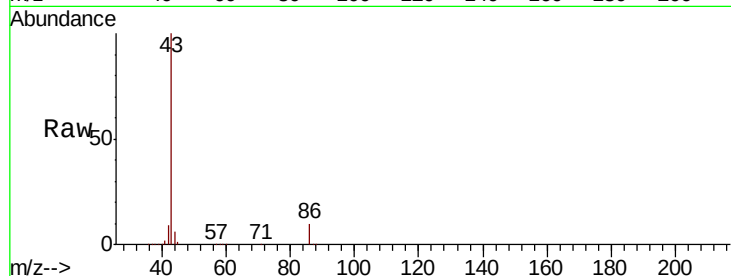
86 10.5 8.2 12.2

Manual Integrations

APPROVED

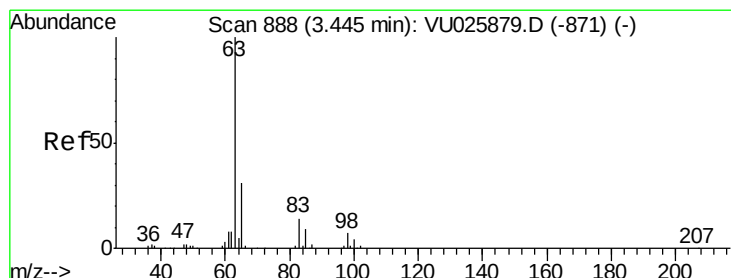
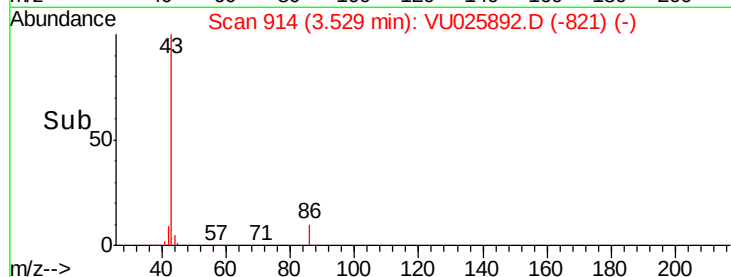
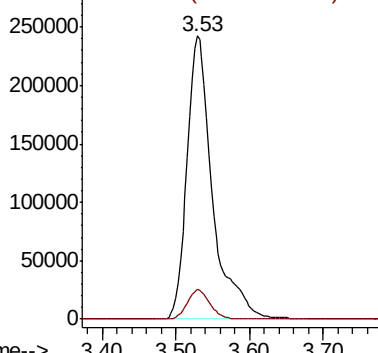
MMDadoda

8/7/2018 1:51:38 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 20.37 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

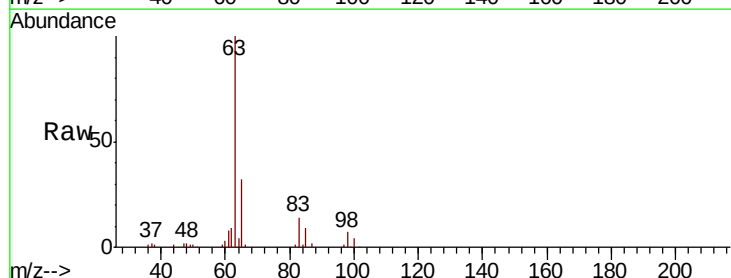
Tgt Ion: 63 Resp: 78225

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

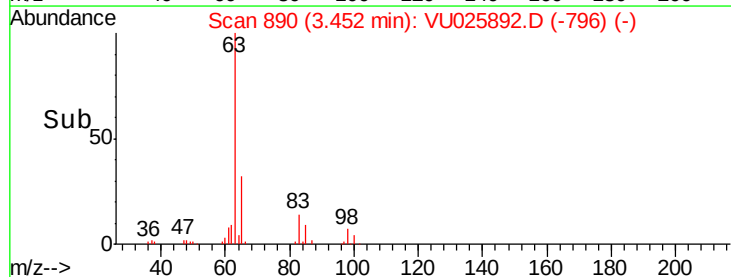
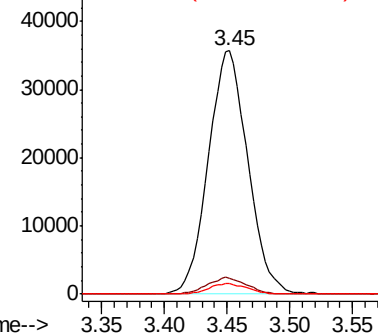
100 4.1 2.0 6.0

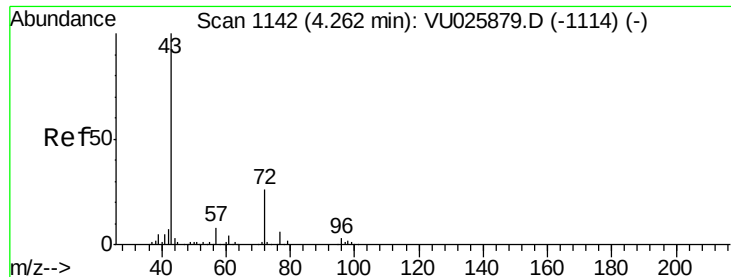


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





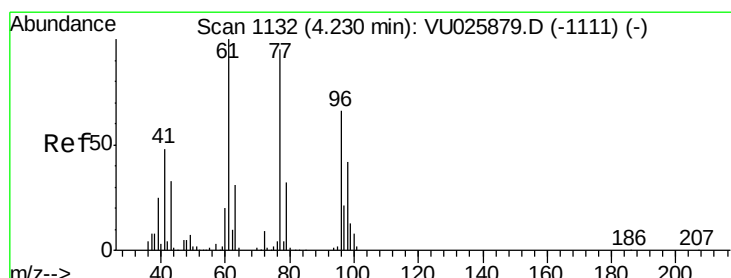
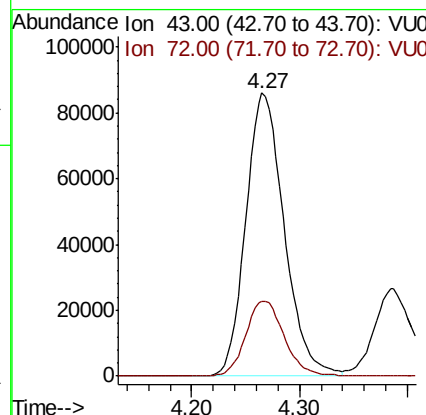
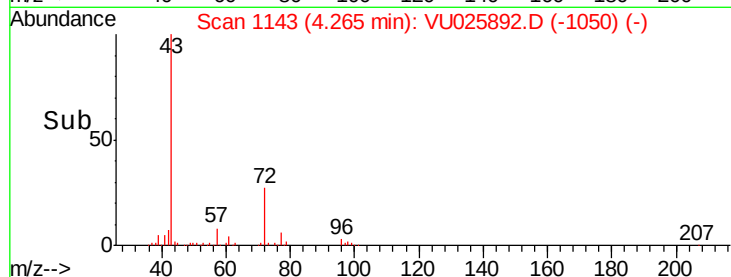
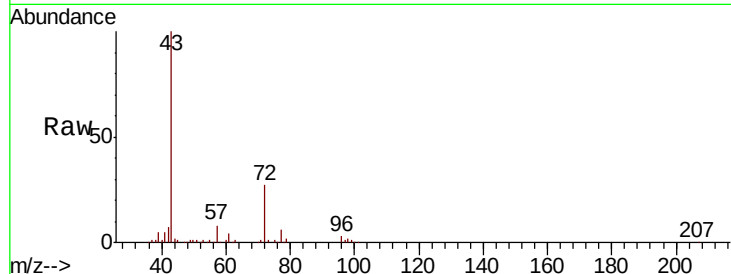
#25  
2-Butanone  
Concen: 121.53 ug/l  
RT: 4.27 min Scan# 1143  
Delta R.T. 0.00 min  
Lab File: VU025892.D  
Acq: 06 Aug 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0806MBSD01

| Tot Ion   | 43   | Resp  | 211417 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 72        | 26.7 | 21.0  | 31.4   |

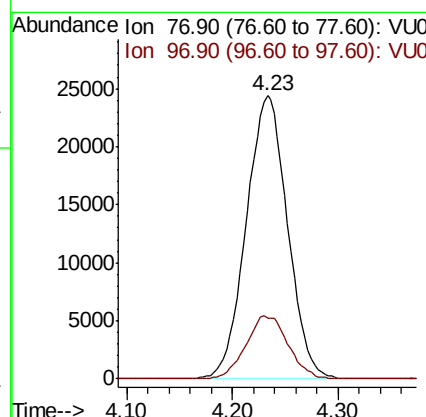
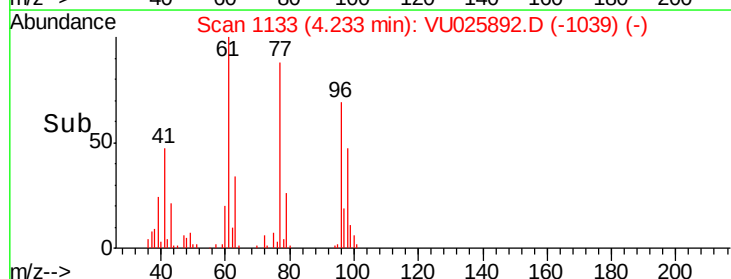
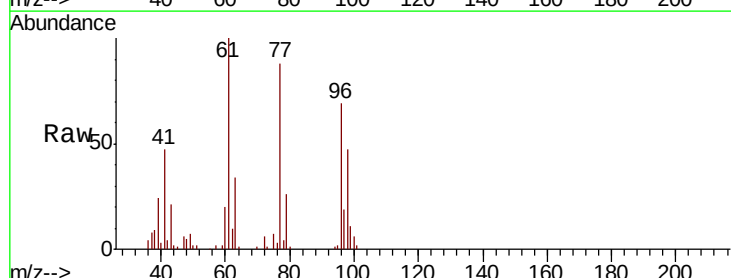
Manual Integrations  
APPROVED

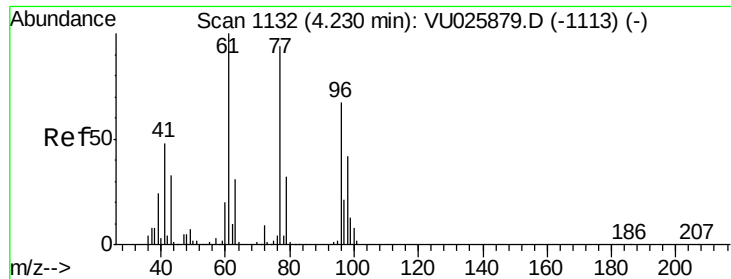
MMDadoda  
8/7/2018 1:51:38 PM



#26  
2,2-Dichloropropane  
Concen: 19.00 ug/l  
RT: 4.23 min Scan# 1133  
Delta R.T. 0.00 min  
Lab File: VU025892.D  
Acq: 06 Aug 2018 17:41

| Tgt Ion   | 77   | Resp  | 66305 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 97        | 22.7 | 11.2  | 33.5  |





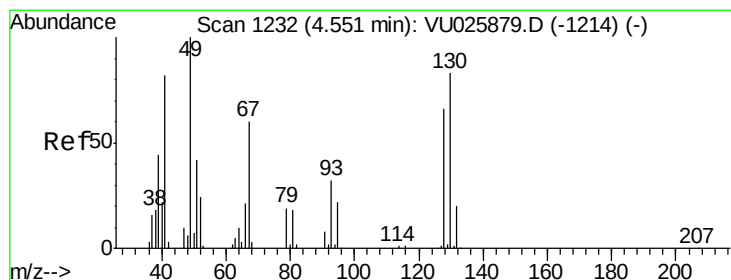
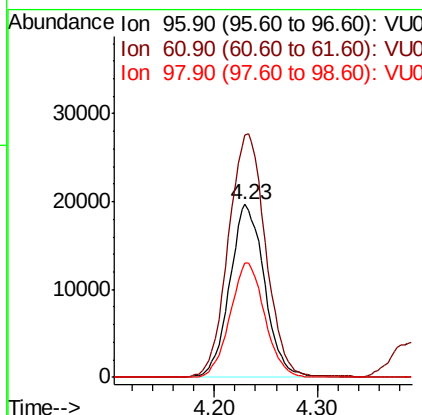
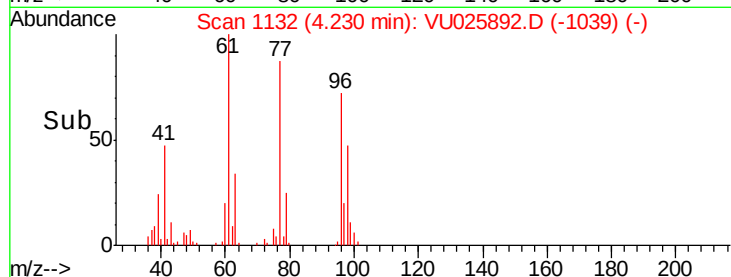
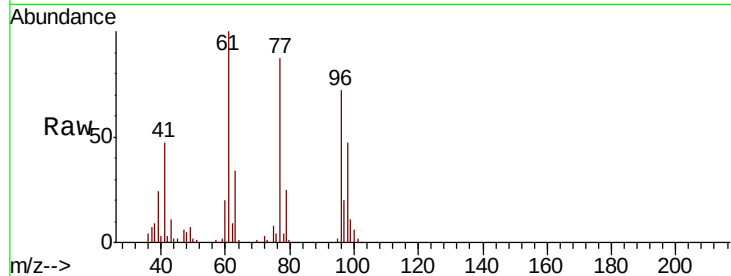
#27  
 cis-1,2-Dichloroethene  
 Concen: 19.64 ug/l  
 RT: 4.23 min Scan# 1132  
 Delta R.T. 0.00 min  
 Lab File: VU025892.D  
 Acq: 06 Aug 2018 17:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0806MBSD01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 46235 |       |       |
| 61      | 150.2 |       | 0.0   | 299.8 |
| 98      | 65.8  |       | 0.0   | 128.6 |

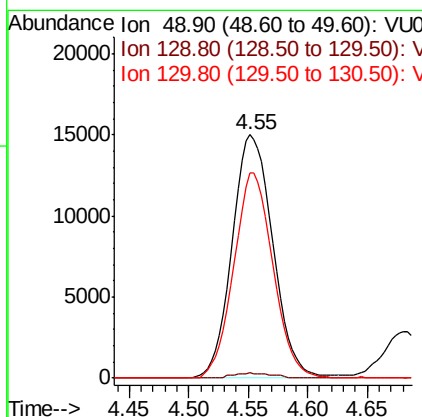
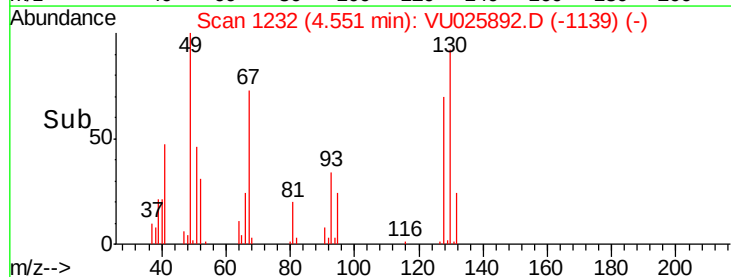
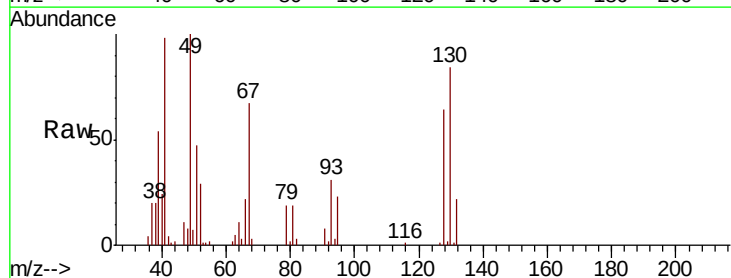
Manual Integrations  
 APPROVED

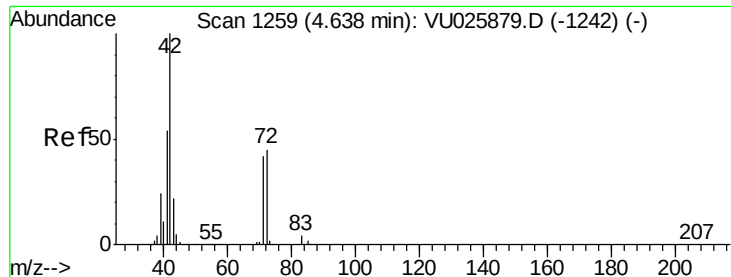
MMDadoda  
 8/7/2018 1:51:38 PM



#28  
 Bromochloromethane  
 Concen: 20.76 ug/l  
 RT: 4.55 min Scan# 1232  
 Delta R.T. 0.00 min  
 Lab File: VU025892.D  
 Acq: 06 Aug 2018 17:41

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 35648 |       |       |
| 129     | 2.0   |       | 0.0   | 4.6   |
| 130     | 81.1  |       | 68.6  | 102.8 |





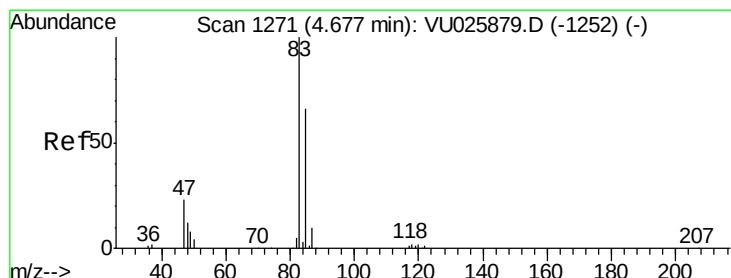
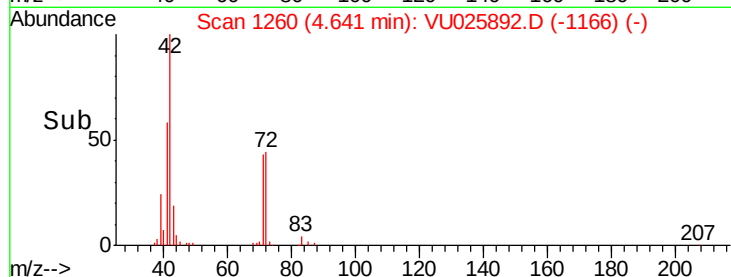
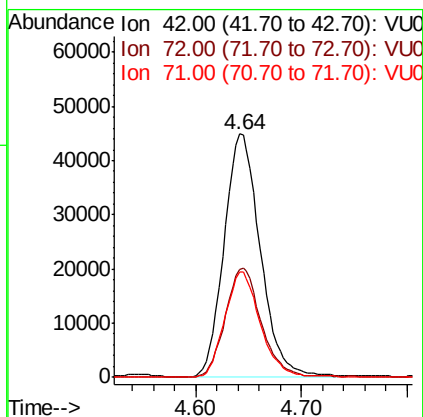
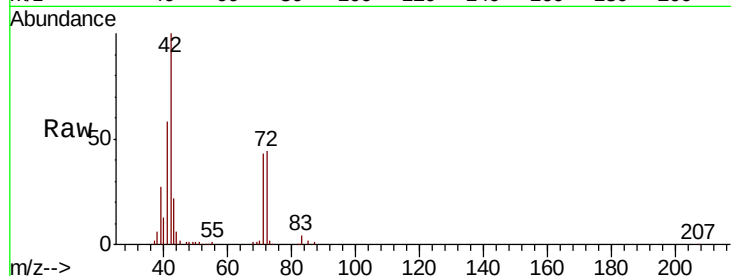
#29  
Tetrahydrofuran  
Concen: 103.03 ug/l  
RT: 4.64 min Scan# 1260  
Delta R.T. 0.00 min  
Lab File: VU025892.D  
Acq: 06 Aug 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0806MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.5  | 36.7  | 55.1  |
| 71      | 42.0  | 33.9  | 50.9  |

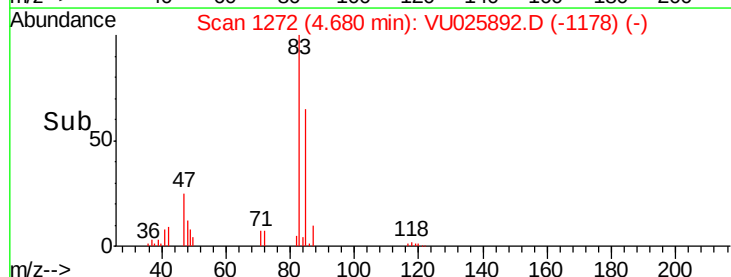
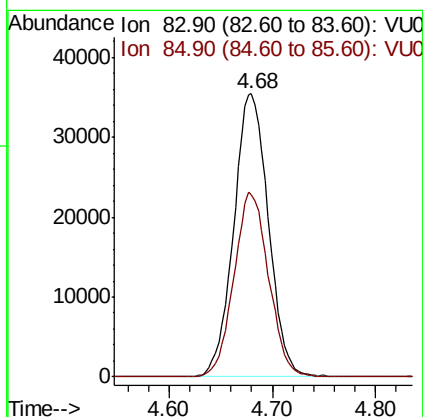
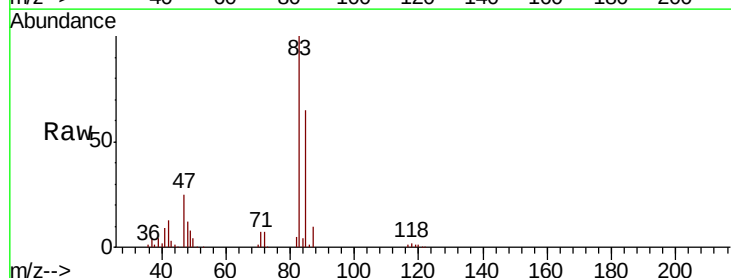
Manual Integrations  
APPROVED

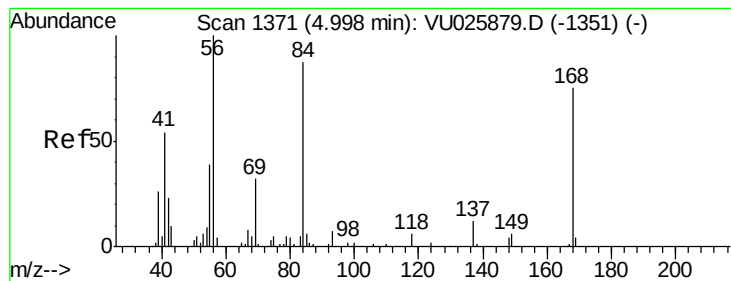
MMDadoda  
8/7/2018 1:51:38 PM



#30  
Chloroform  
Concen: 20.47 ug/l  
RT: 4.68 min Scan# 1272  
Delta R.T. 0.00 min  
Lab File: VU025892.D  
Acq: 06 Aug 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.6  | 51.5  | 77.3  |





#31

Cyclohexane

Concen: 19.43 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

Instrument :

MSVOA\_U

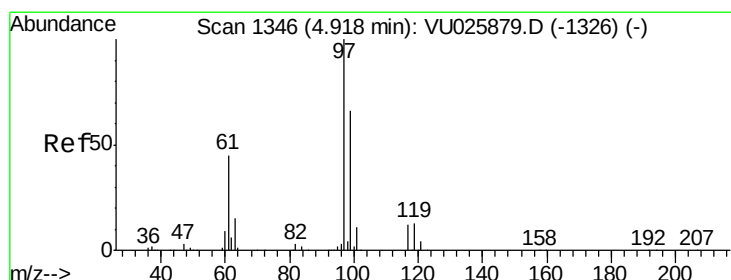
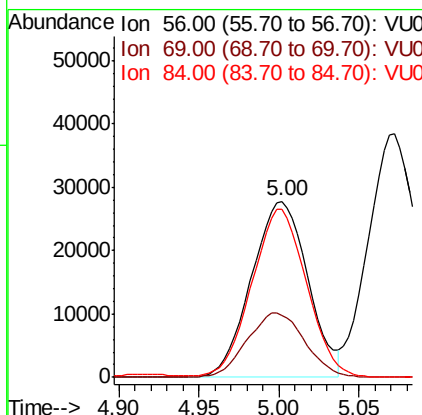
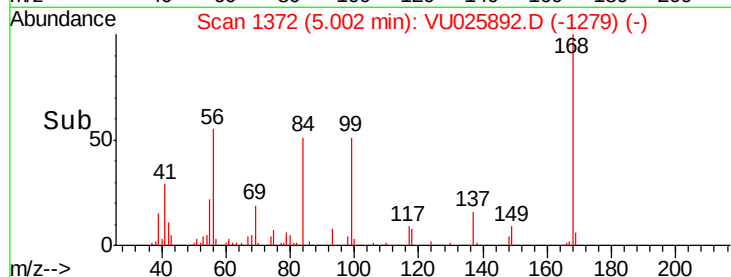
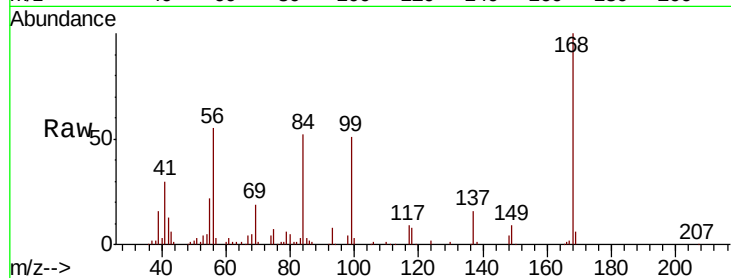
ClientSampleID :

VU0806MBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 56    | Resp: | 67647 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 35.3  | 26.8  | 40.2  |
| 84        | 94.2  | 69.7  | 104.5 |

Manual Integrations  
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#32

1,1,1-Trichloroethane

Concen: 20.63 ug/l

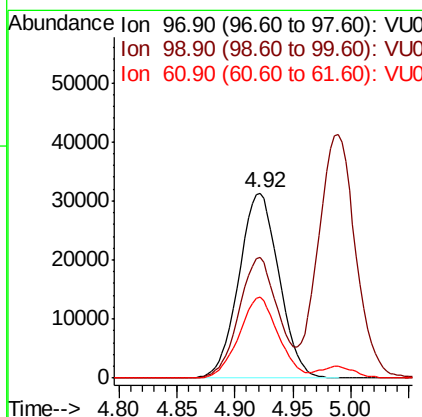
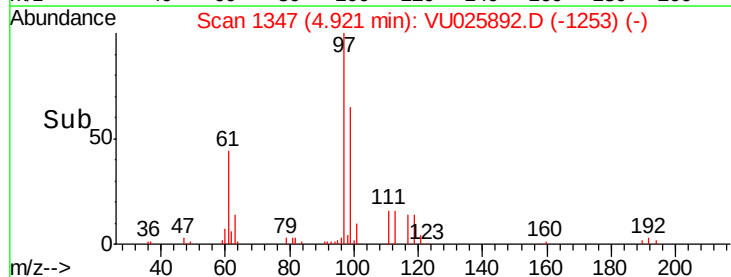
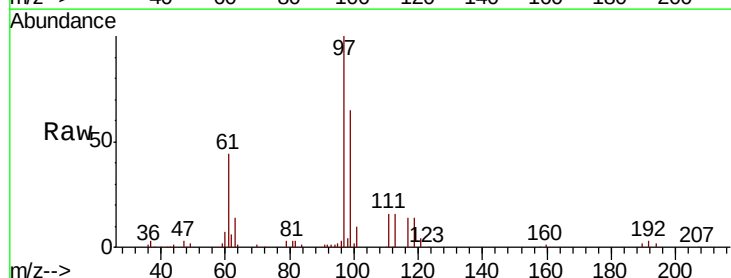
RT: 4.92 min Scan# 1347

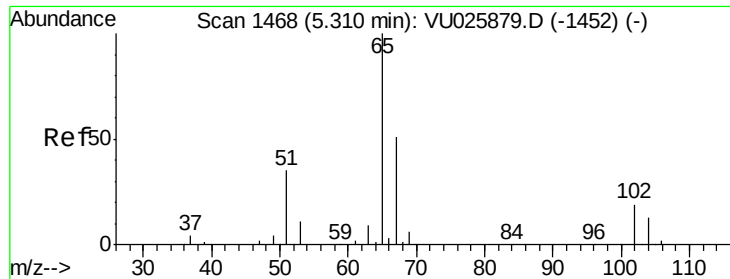
Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 97    | Resp: | 75292 |
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 99        | 64.1  | 50.8  | 76.2  |
| 61        | 42.8  | 35.2  | 52.8  |





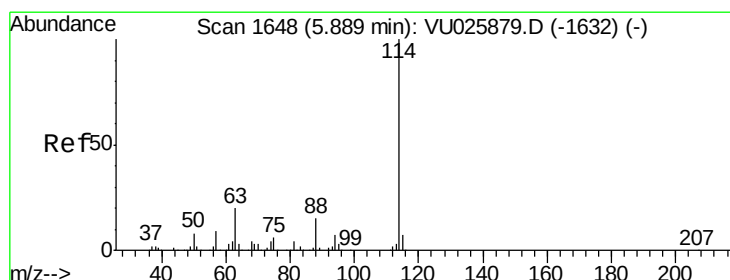
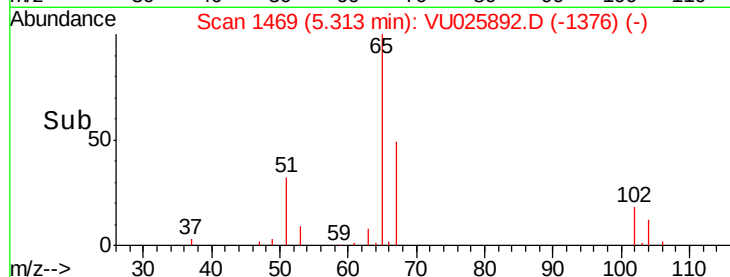
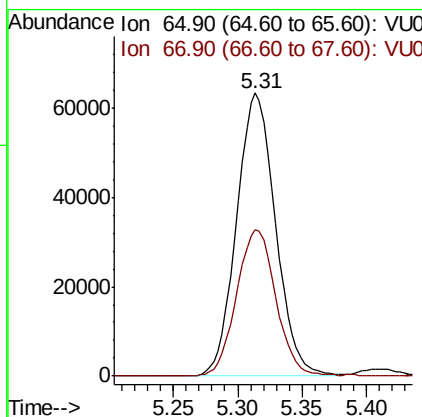
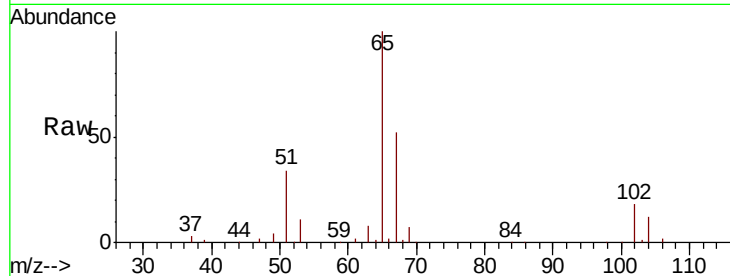
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.77 ug/l  
 RT: 5.31 min Scan# 1469  
 Delta R.T. 0.00 min  
 Lab File: VU025892.D  
 Acq: 06 Aug 2018 17:41

Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 VU0806MBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 133084 |       |       |
| 67      | 52.2  | 0.0    | 103.6 |       |

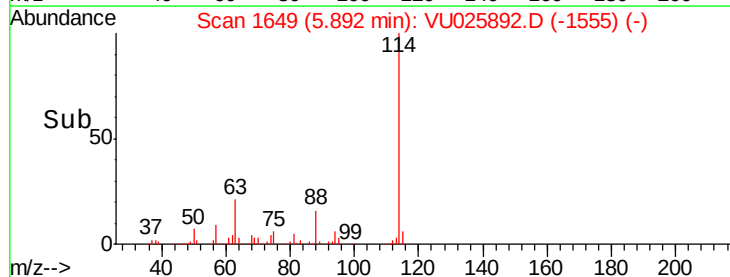
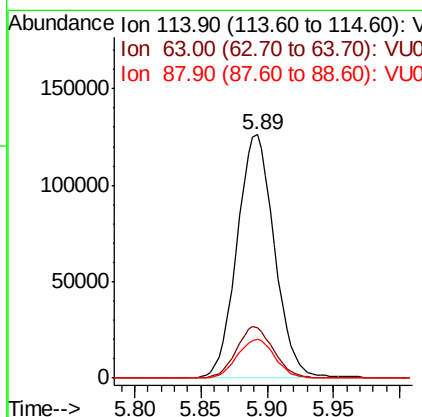
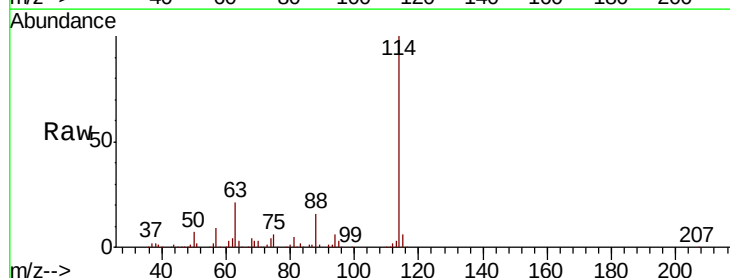
Manual Integrations  
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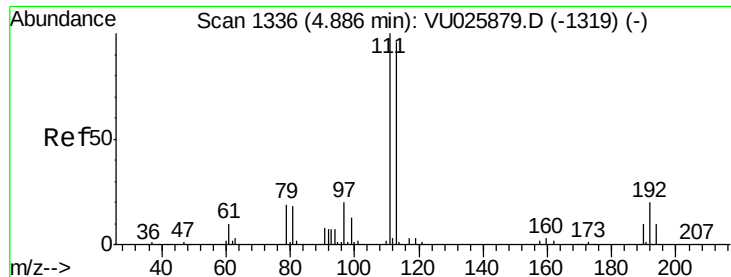
MMDadoda  
 8/7/2018 1:51:38 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.89 min Scan# 1649  
 Delta R.T. 0.00 min  
 Lab File: VU025892.D  
 Acq: 06 Aug 2018 17:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 247413 |       |       |
| 63      | 20.9  | 0.0    | 41.6  |       |
| 88      | 15.8  | 0.0    | 32.4  |       |





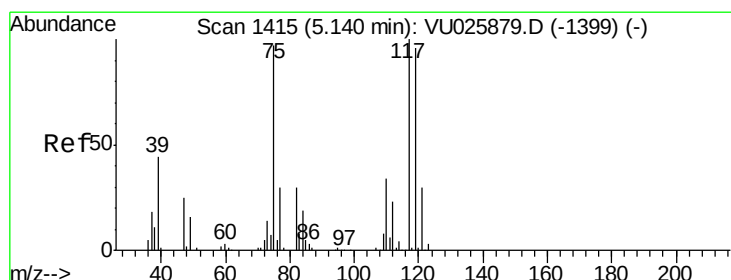
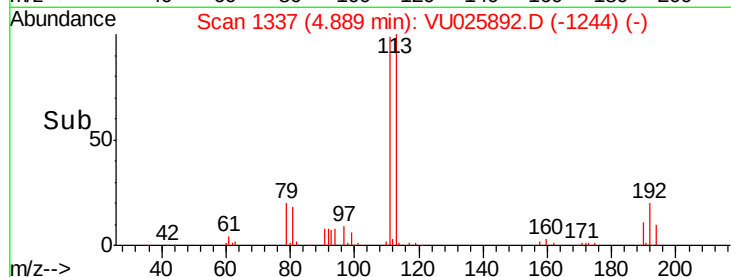
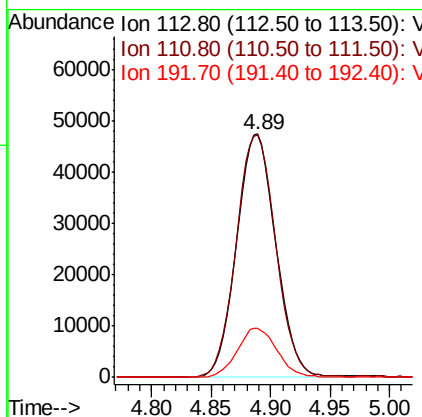
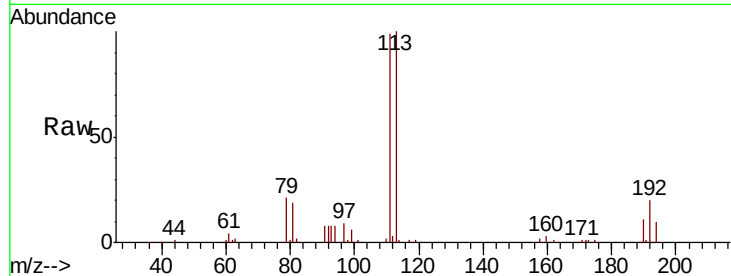
#35  
 Dibromofluoromethane  
 Concen: 50.33 ug/l  
 RT: 4.89 min Scan# 1337  
 Delta R.T. 0.00 min  
 Lab File: VU025892.D  
 Acq: 06 Aug 2018 17:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0806MBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 108305 |       |       |
| 111     | 100.8 |        | 81.7  | 122.5 |
| 192     | 20.3  |        | 17.1  | 25.7  |

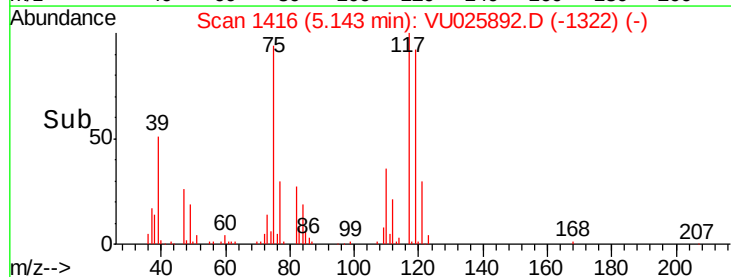
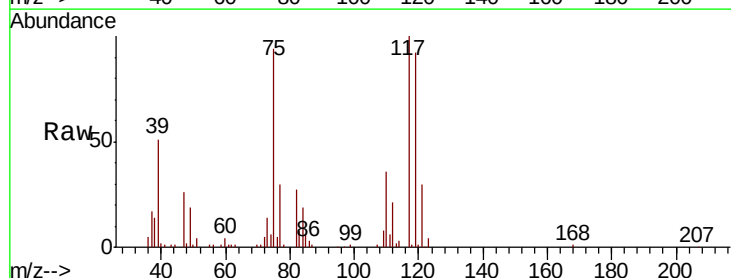
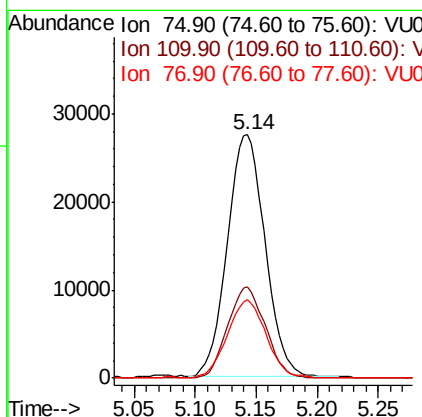
Manual Integrations  
 APPROVED

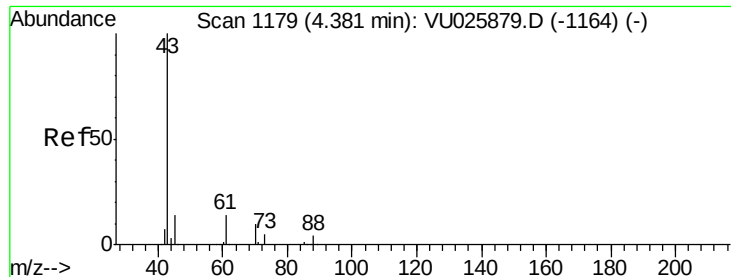
MMDadoda  
 8/7/2018 1:51:38 PM



#36  
 1,1-Dichloropropene  
 Concen: 20.50 ug/l  
 RT: 5.14 min Scan# 1416  
 Delta R.T. 0.00 min  
 Lab File: VU025892.D  
 Acq: 06 Aug 2018 17:41

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 59278 |       |       |
| 110     | 37.5  |       | 17.6  | 52.9  |
| 77      | 32.9  |       | 24.4  | 36.6  |





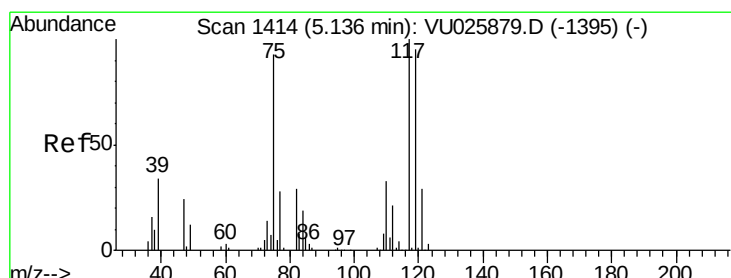
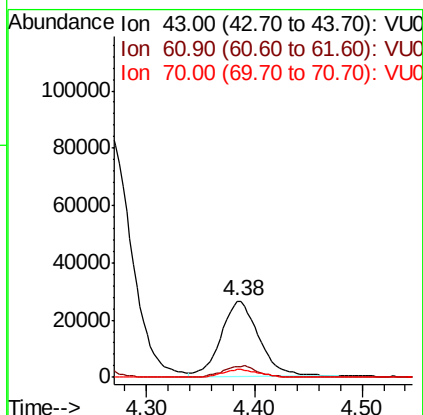
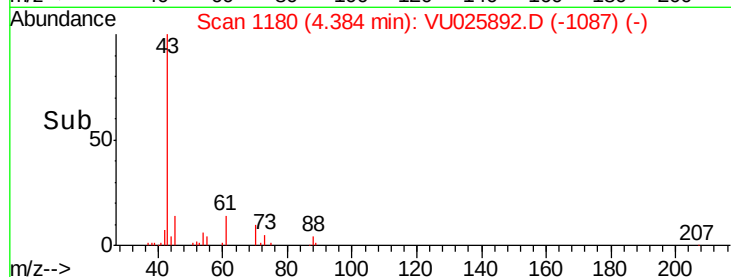
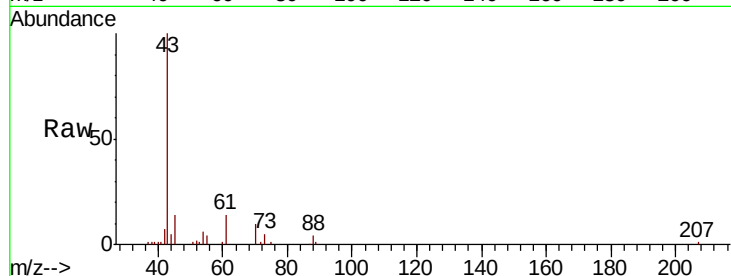
#37  
Ethyl Acetate  
Concen: 21.57 ug/l  
RT: 4.38 min Scan# 1180  
Delta R.T. 0.00 min  
Lab File: VU025892.D  
Acq: 06 Aug 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0806MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.3  | 10.7  | 16.1  |
| 70      | 10.0  | 8.4   | 12.6  |

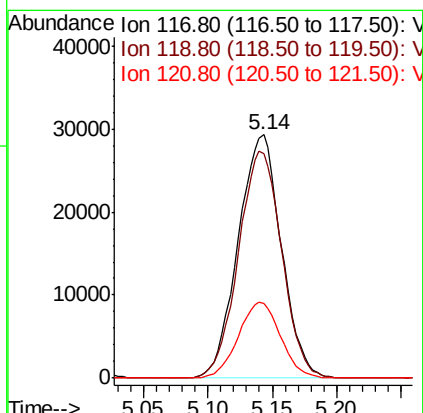
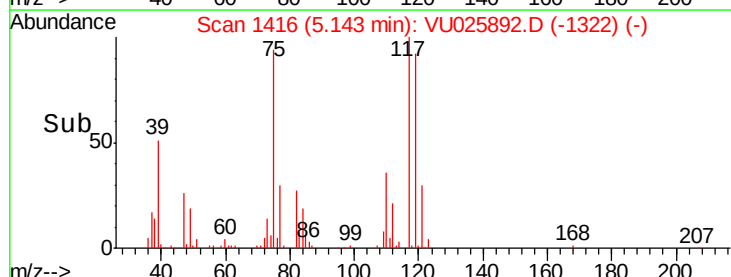
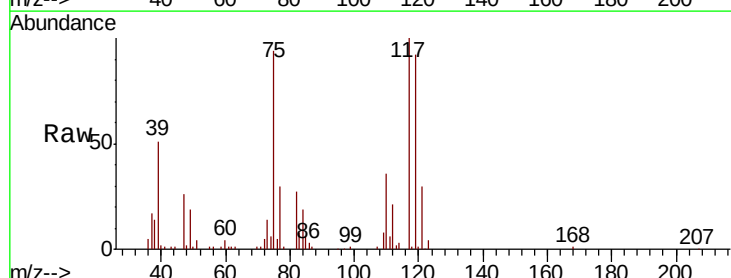
Manual Integrations  
APPROVED

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8/7/2018 1:51:38 PM

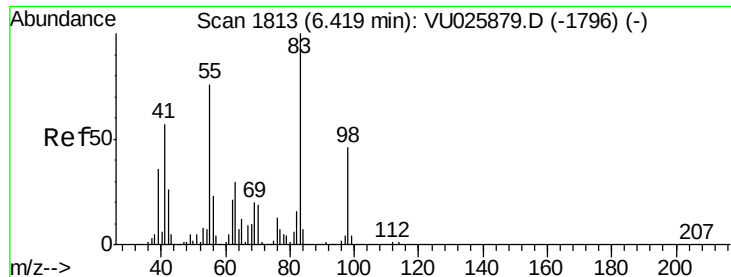


#38  
Carbon Tetrachloride  
Concen: 20.79 ug/l  
RT: 5.14 min Scan# 1416  
Delta R.T. 0.00 min  
Lab File: VU025892.D  
Acq: 06 Aug 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 92.0  | 75.7  | 113.5 |
| 121     | 30.4  | 24.6  | 36.8  |







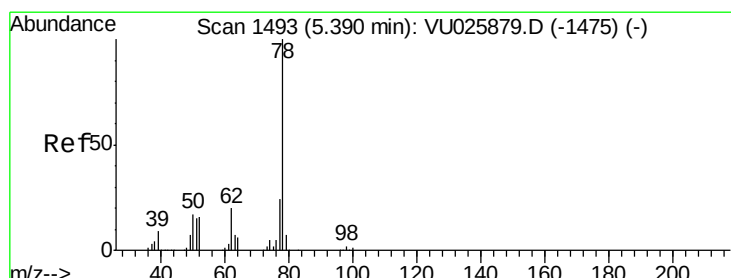
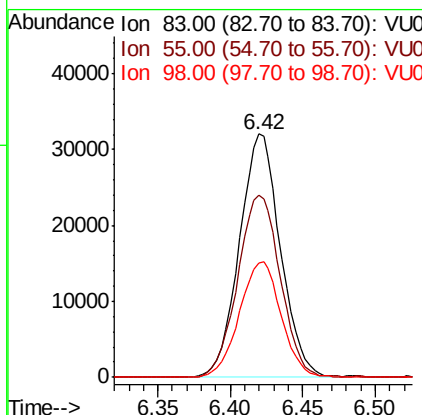
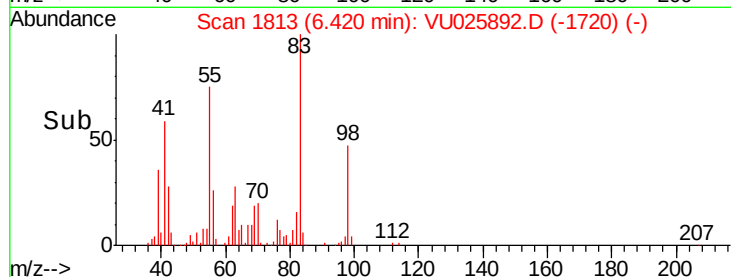
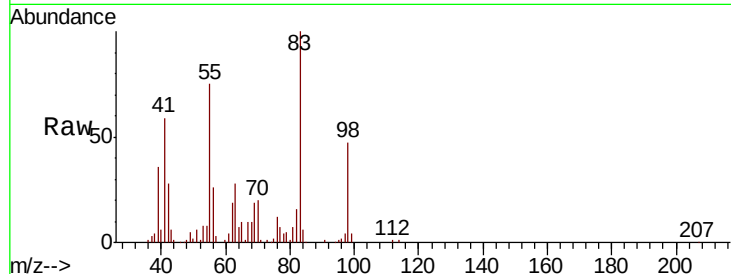
#39  
Methylvlcyclohexane  
Concen: 19.03 ug/l  
RT: 6.42 min Scan# 1813  
Delta R.T. 0.00 min  
Lab File: VU025892.D  
Acq: 06 Aug 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0806MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 74.6  | 60.0  | 90.0  |
| 98      | 46.9  | 36.1  | 54.1  |

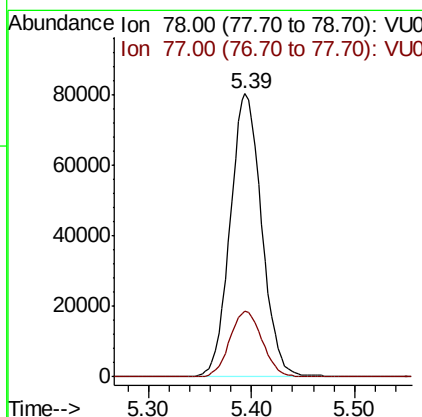
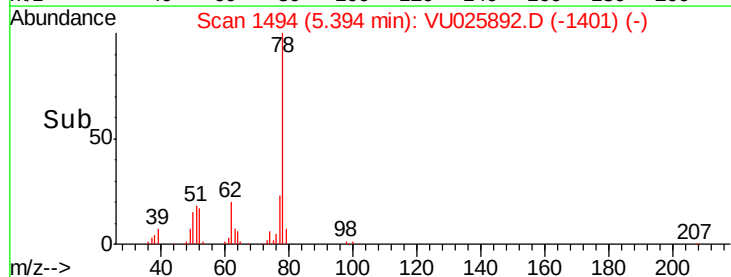
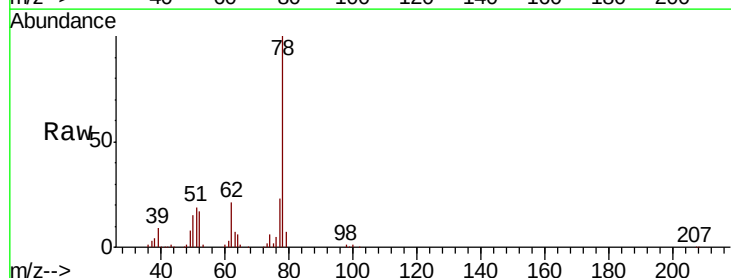
Manual Integrations  
APPROVED

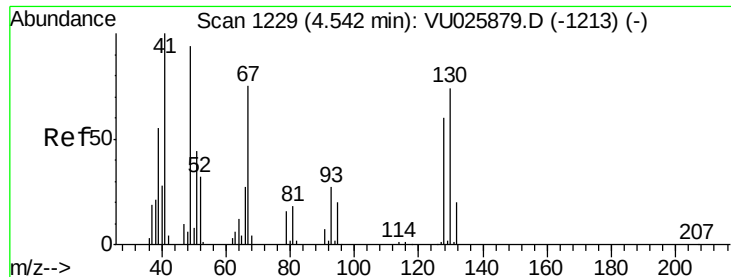
MMDadoda  
8/7/2018 1:51:38 PM



#40  
Benzene  
Concen: 20.27 ug/l  
RT: 5.39 min Scan# 1494  
Delta R.T. 0.00 min  
Lab File: VU025892.D  
Acq: 06 Aug 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.3  | 19.8  | 29.6  |





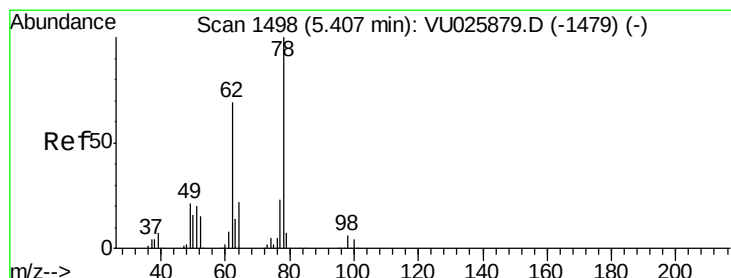
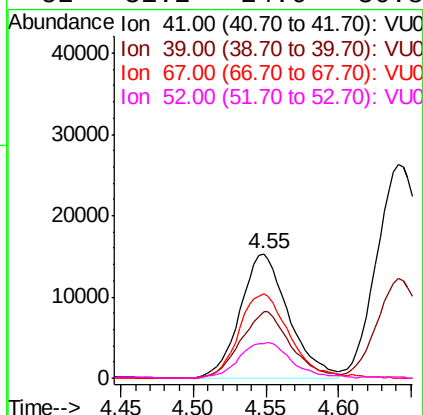
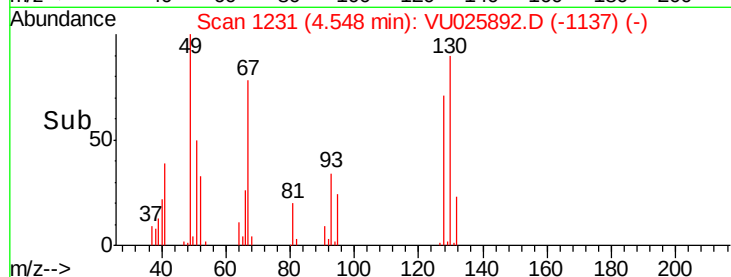
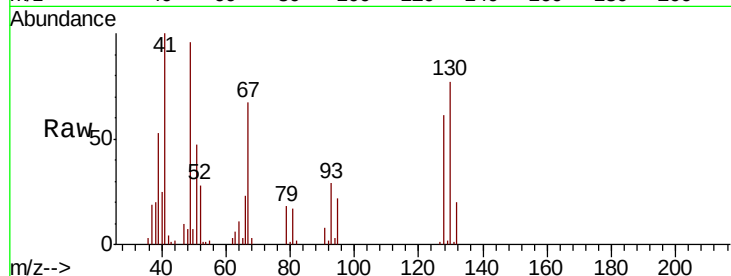
#41  
Methacrylonitrile  
Concen: 21.42 ug/l  
RT: 4.55 min Scan# 1231  
Delta R.T. 0.00 min  
Lab File: VU025892.D  
Acq: 06 Aug 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0806MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 55.0  | 44.4  | 66.6  |
| 67      | 69.7  | 56.0  | 84.0  |
| 52      | 31.2  | 24.6  | 36.8  |

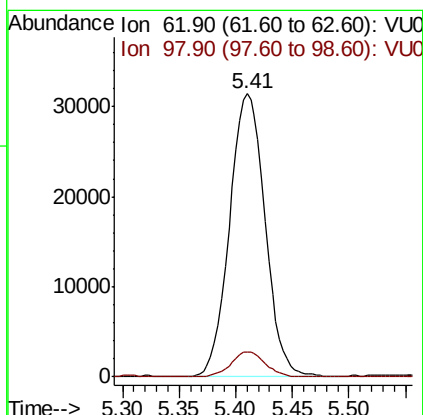
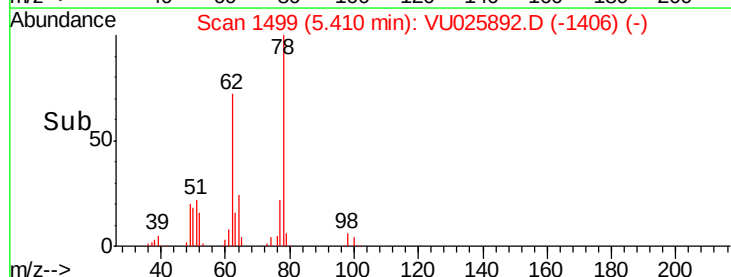
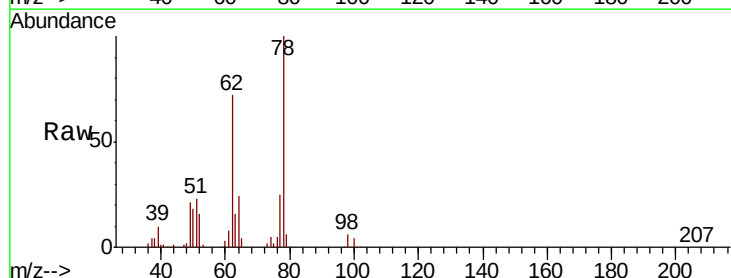
Manual Integrations  
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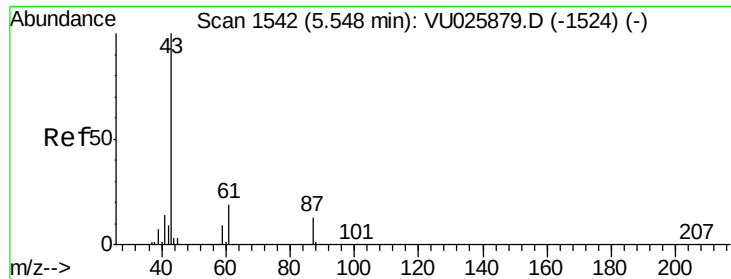
MMDadoda  
8/7/2018 1:51:38 PM



#42  
1,2-Dichloroethane  
Concen: 21.10 ug/l  
RT: 5.41 min Scan# 1499  
Delta R.T. 0.00 min  
Lab File: VU025892.D  
Acq: 06 Aug 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 8.5   | 0.0   | 16.4  |





#43

Isopropyl Acetate

Concen: 20.60 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

Instrument :

MSVOA\_U

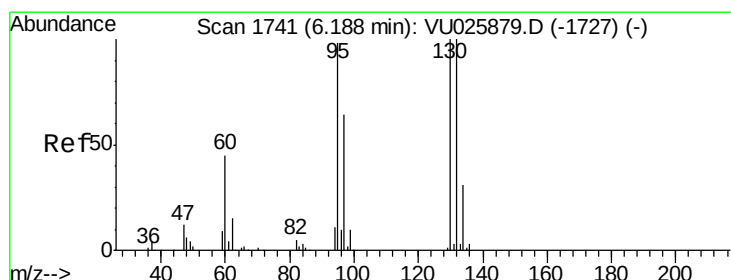
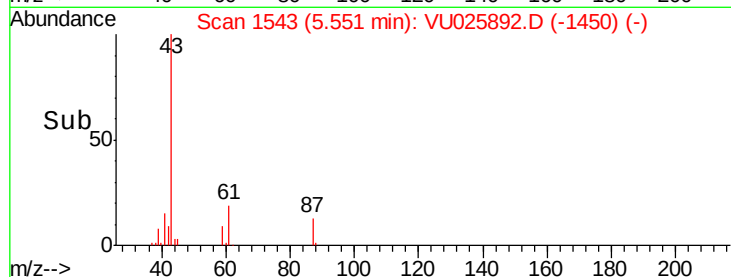
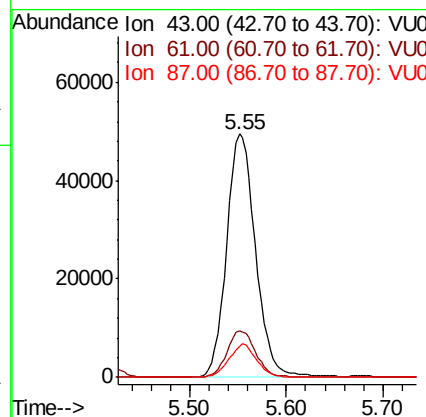
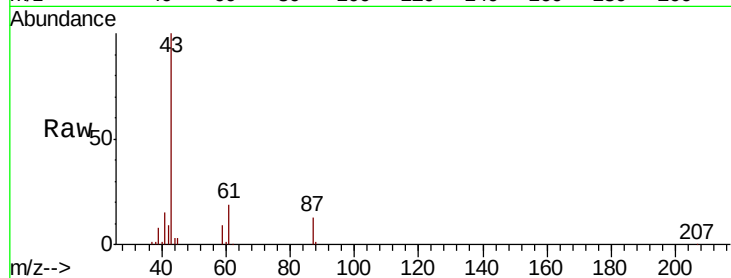
ClientSampleId :

VU0806MBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 102069 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 19.2  | 15.5  | 23.3   |
| 87       | 13.3  | 10.6  | 16.0   |

Manual Integrations  
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#44

Trichloroethene

Concen: 20.26 ug/l

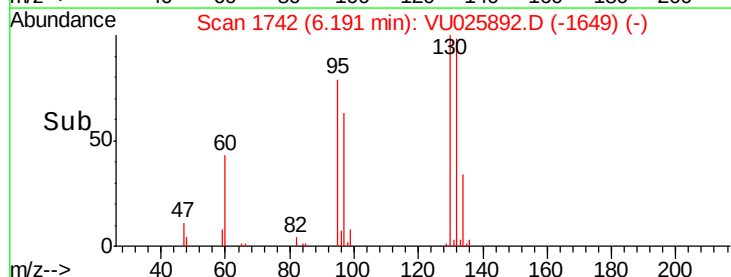
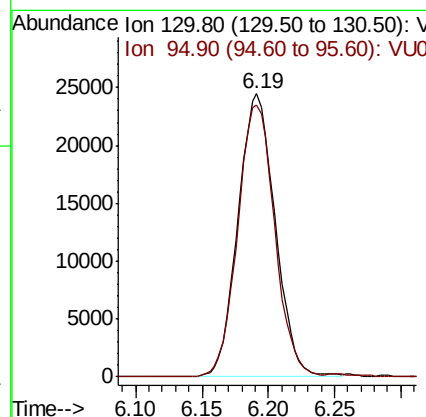
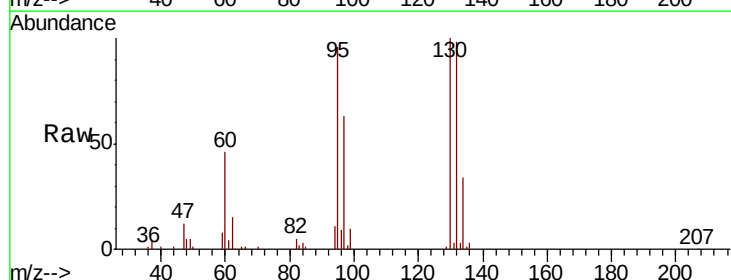
RT: 6.19 min Scan# 1742

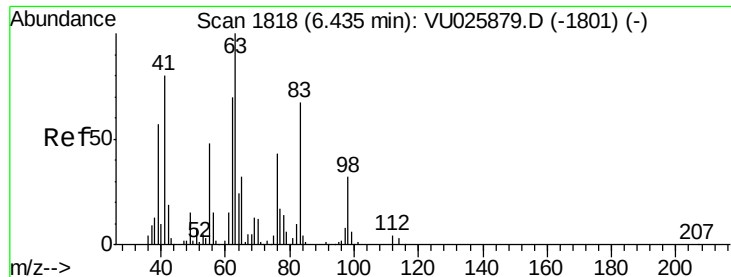
Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 47680 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 96.1  | 0.0   | 192.2 |





#45

1,2-Dichloropropane

Concen: 21.28 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0806MBSD01

Tot Ion: 63 Resp: 46905

Ion Ratio Lower Upper

63 100

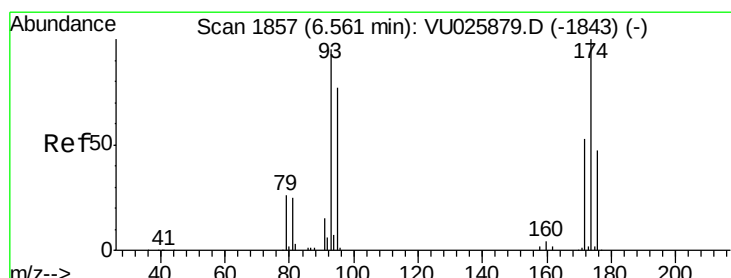
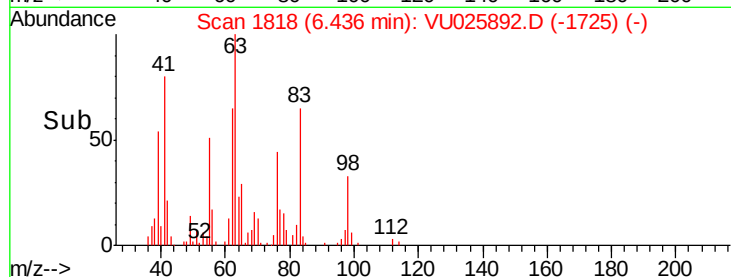
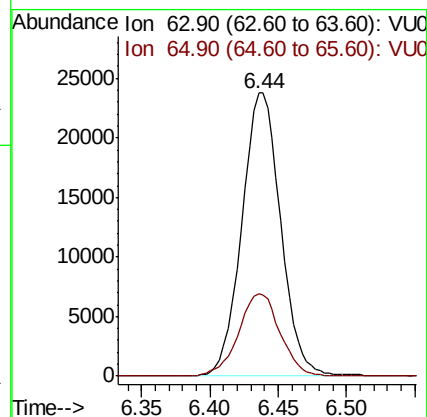
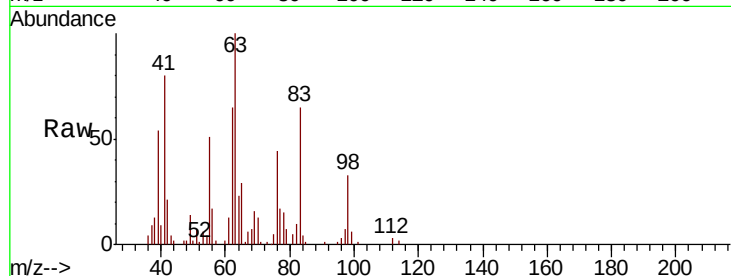
65 28.9 26.1 39.1

Manual Integrations

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#46

Dibromomethane

Concen: 20.24 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

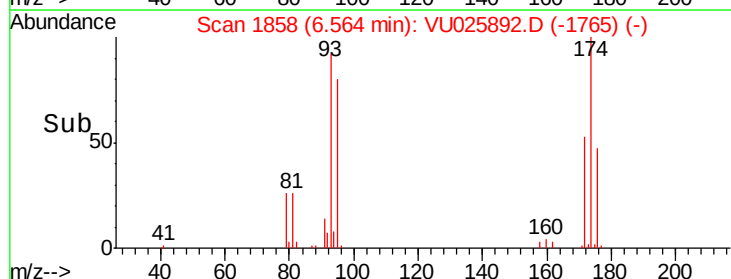
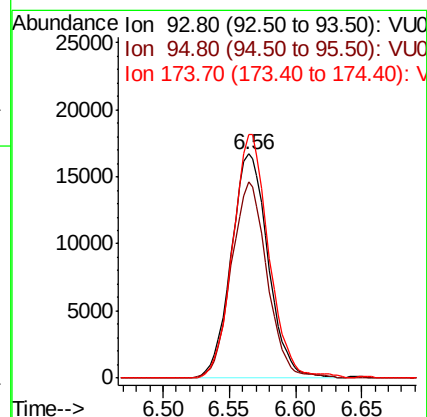
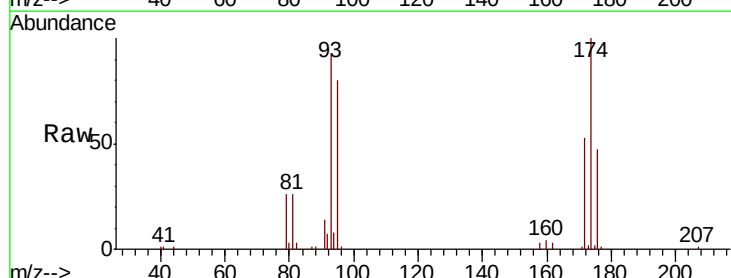
Tgt Ion: 93 Resp: 32330

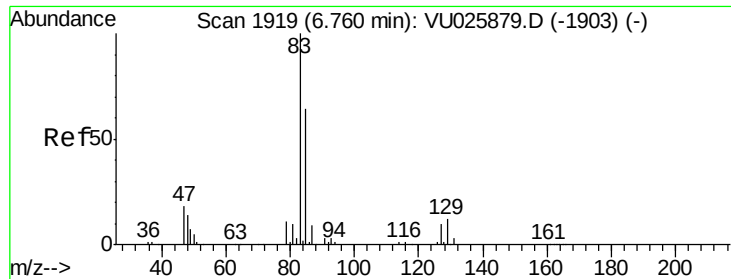
Ion Ratio Lower Upper

93 100

95 84.9 66.6 100.0

174 105.8 85.8 128.8





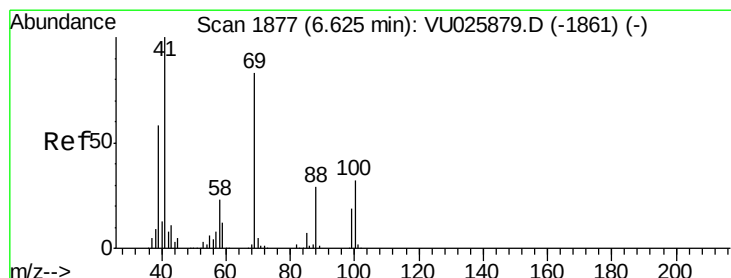
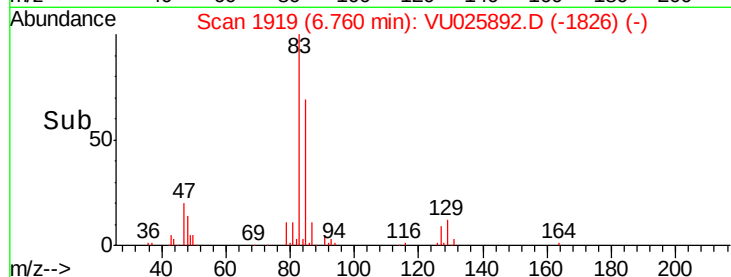
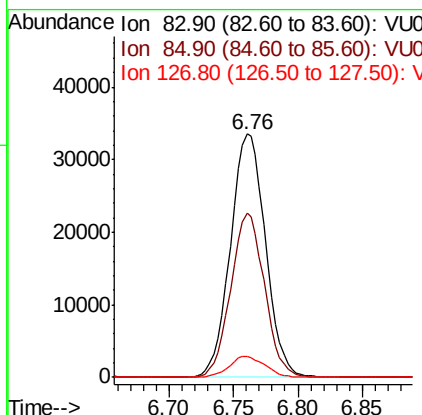
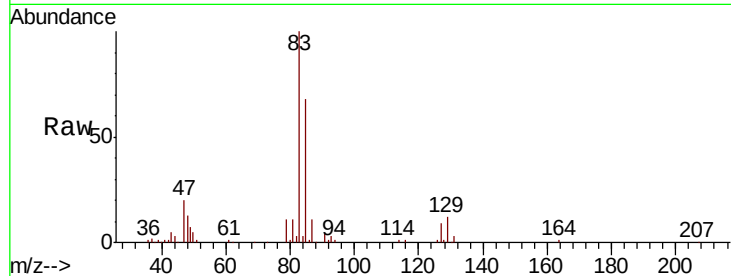
#47  
 Bromodichloromethane  
 Concen: 20.77 ug/l  
 RT: 6.76 min Scan# 1919  
 Delta R.T. 0.00 min  
 Lab File: VU025892.D  
 Acq: 06 Aug 2018 17:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0806MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 67.6  | 50.2  | 75.4  |
| 127     | 8.7   | 7.2   | 10.8  |

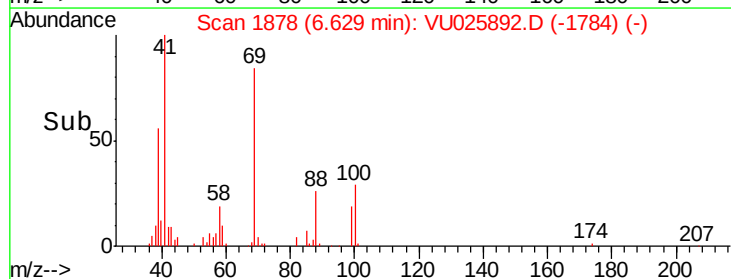
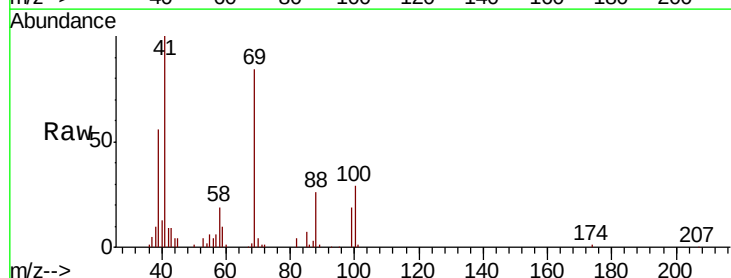
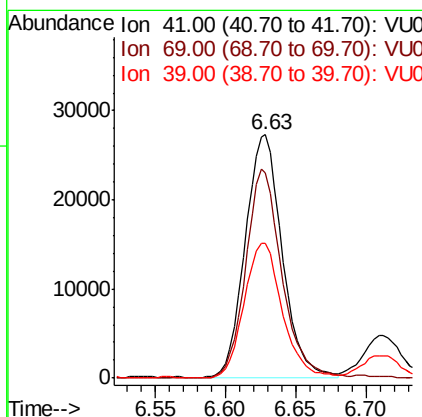
Manual Integrations  
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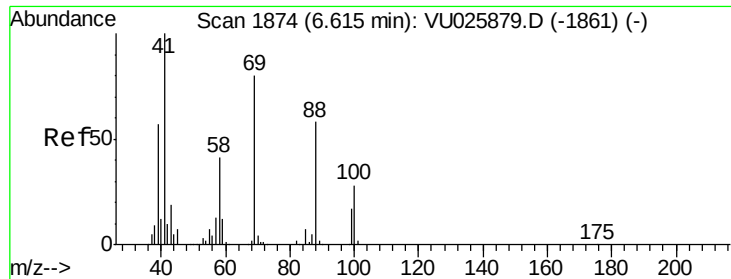
MMDadoda  
 8/7/2018 1:51:38 PM



#48  
 Methyl methacrylate  
 Concen: 20.73 ug/l  
 RT: 6.63 min Scan# 1878  
 Delta R.T. 0.00 min  
 Lab File: VU025892.D  
 Acq: 06 Aug 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 83.6  | 65.0  | 97.4  |
| 39      | 57.1  | 46.4  | 69.6  |





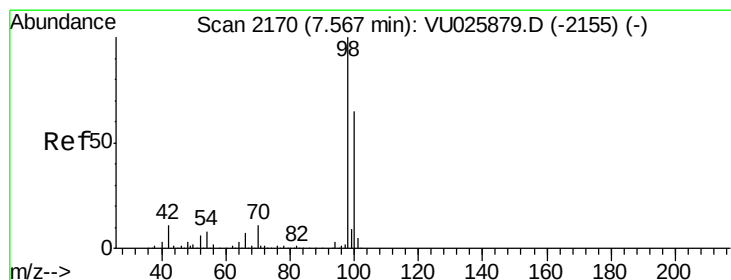
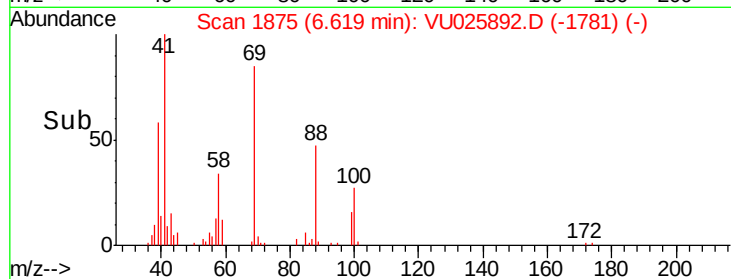
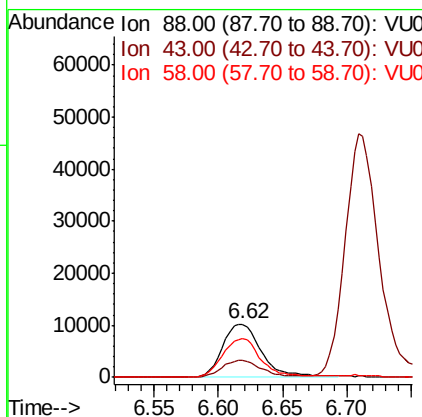
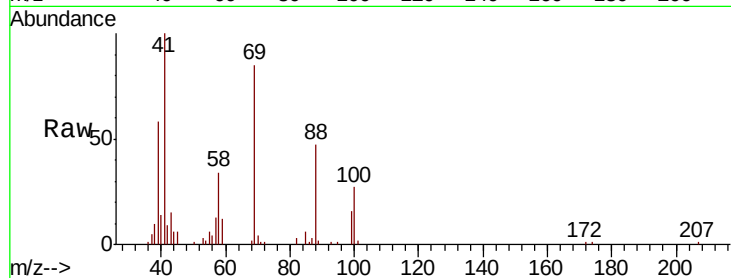
#49  
1,4-Dioxane  
Concen: 364.09 ug/l  
RT: 6.62 min Scan# 1875  
Delta R.T. 0.00 min  
Lab File: VU025892.D  
Acq: 06 Aug 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0806MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 32.4  | 27.3  | 40.9  |
| 58      | 70.9  | 57.6  | 86.4  |

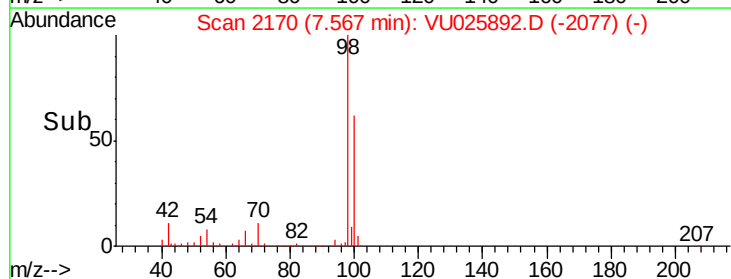
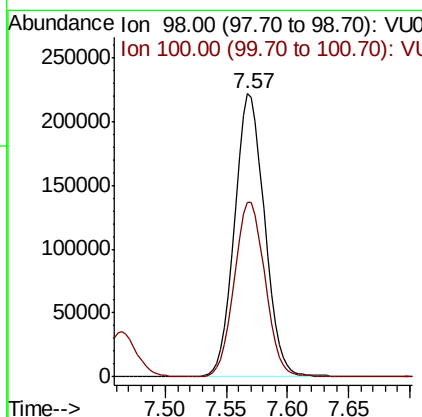
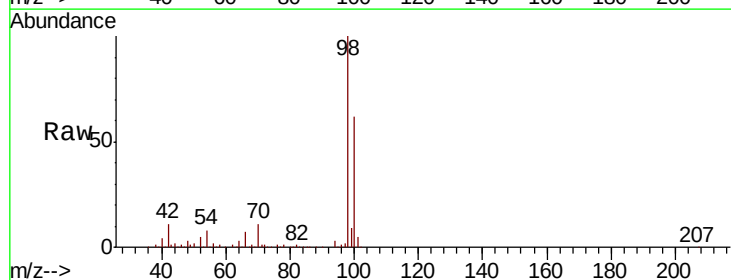
Manual Integrations  
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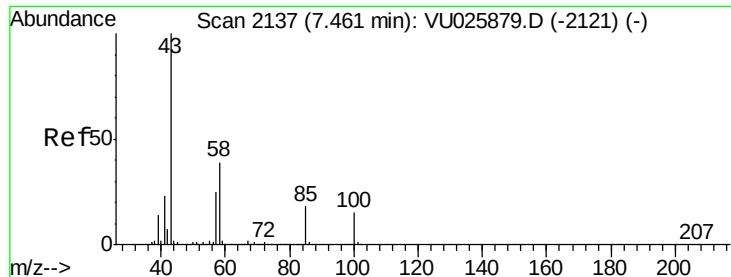
MMDadoda  
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#50  
Toluene-d8  
Concen: 50.37 ug/l  
RT: 7.57 min Scan# 2170  
Delta R.T. 0.00 min  
Lab File: VU025892.D  
Acq: 06 Aug 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.3  | 51.1  | 76.7  |





#51

4-Methyl-2-Pentanone

Concen: 130.82 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0806MBSD01

Tot Ion: 43 Resp: 405778

Ion Ratio Lower Upper

43 100

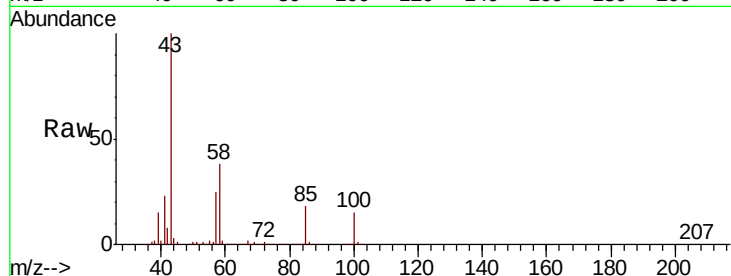
58 38.5 31.0 46.4

Manual Integrations

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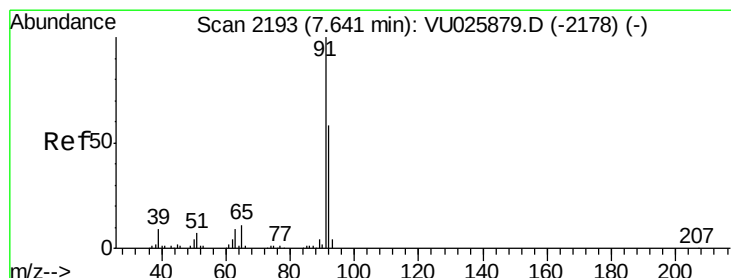
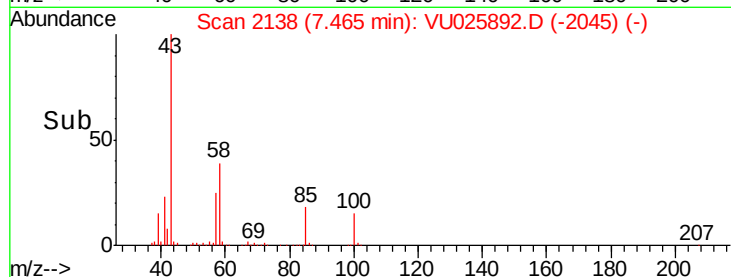
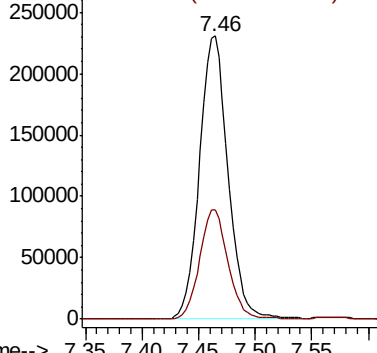
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 20.71 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025892.D

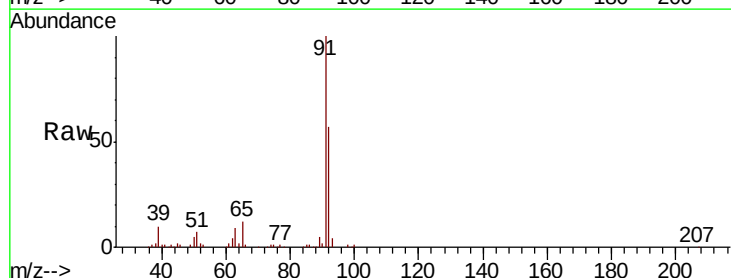
Acq: 06 Aug 2018 17:41

Tgt Ion: 92 Resp: 108735

Ion Ratio Lower Upper

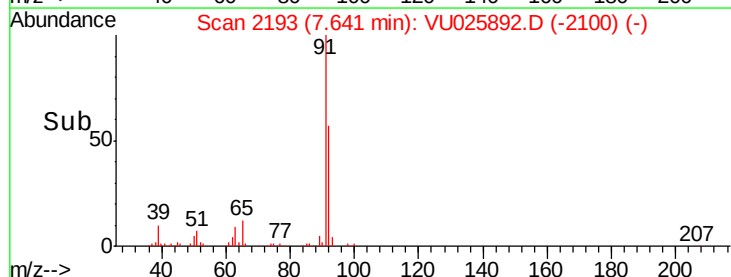
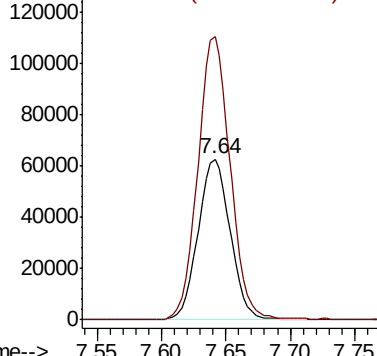
92 100

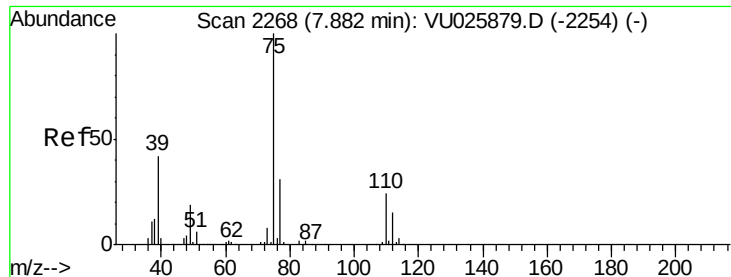
91 176.3 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 20.26 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0806MBSD01

Tot Ion: 75 Resp: 69313

Ion Ratio Lower Upper

75 100

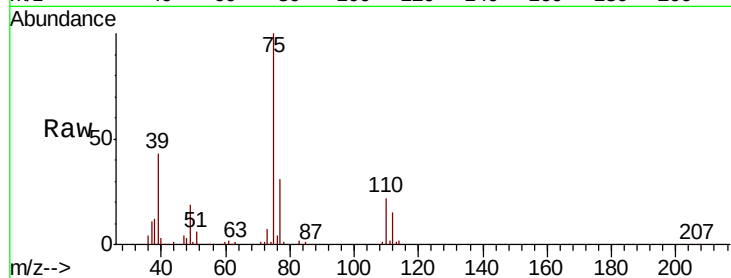
77 31.2 24.5 36.7

Manual Integrations

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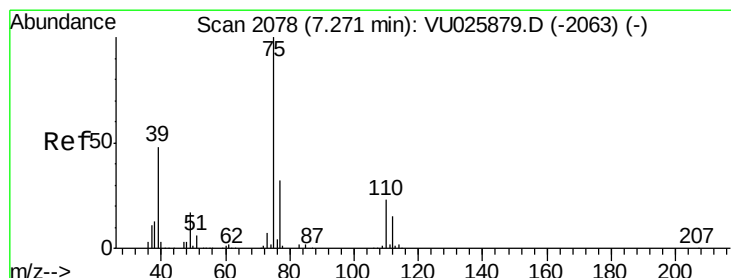
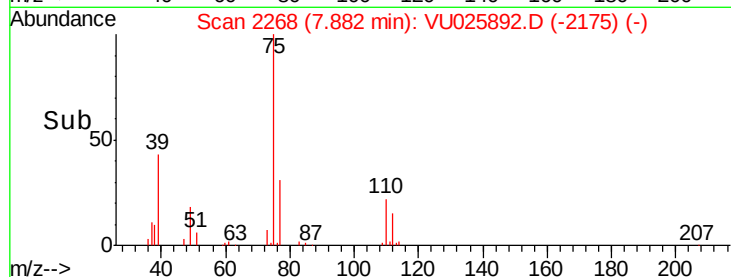
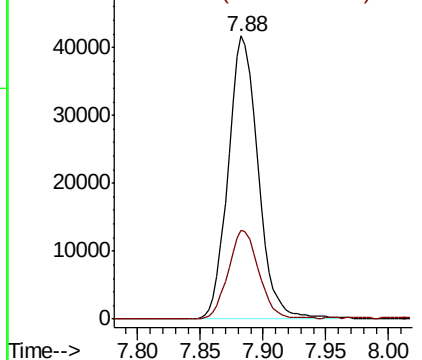
MMDadoda

8/7/2018 1:51:38 PM



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 20.79 ug/l

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

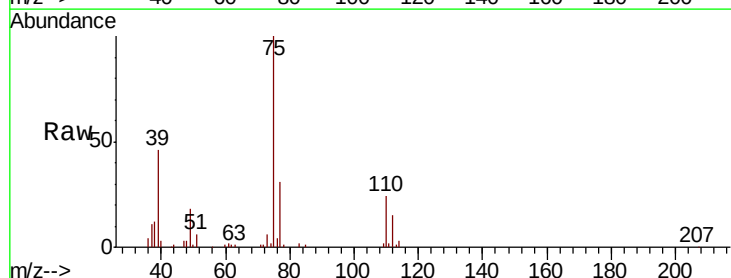
Tgt Ion: 75 Resp: 73058

Ion Ratio Lower Upper

75 100

77 31.1 25.6 38.4

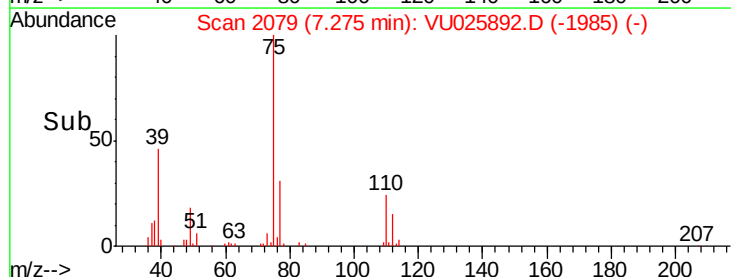
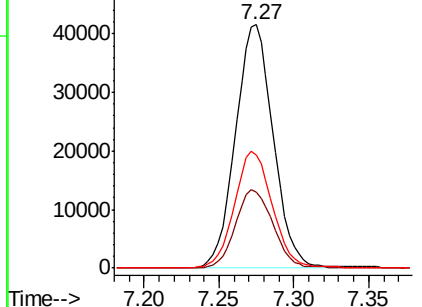
39 46.2 40.0 60.0



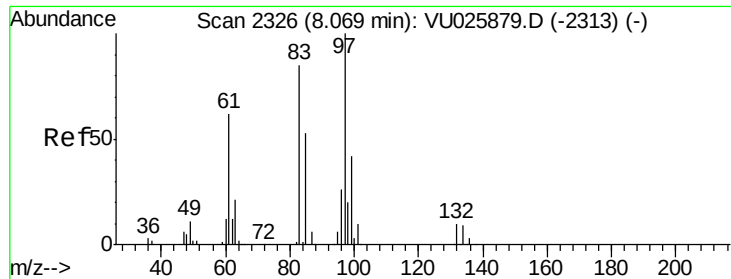
Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0







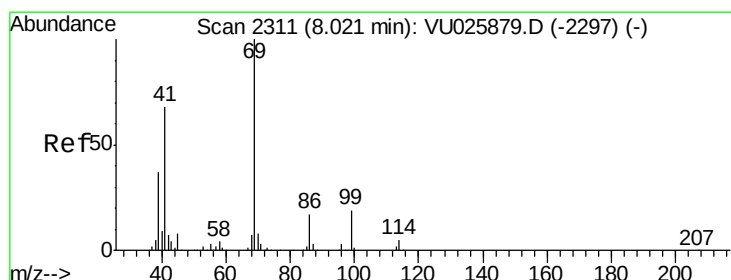
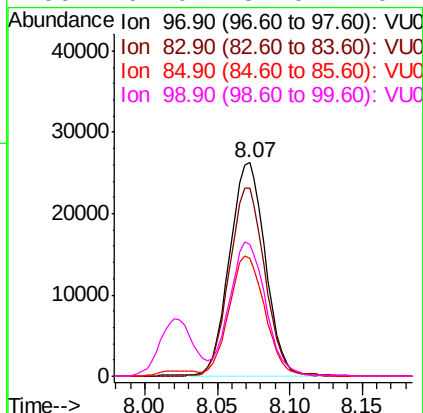
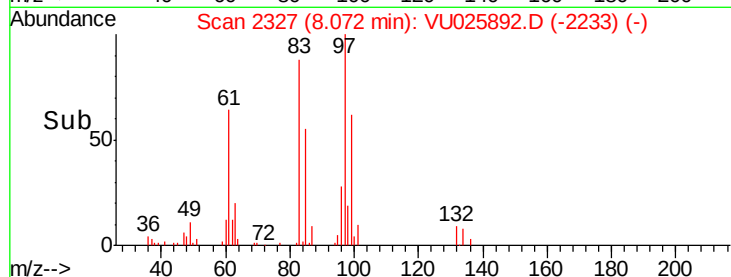
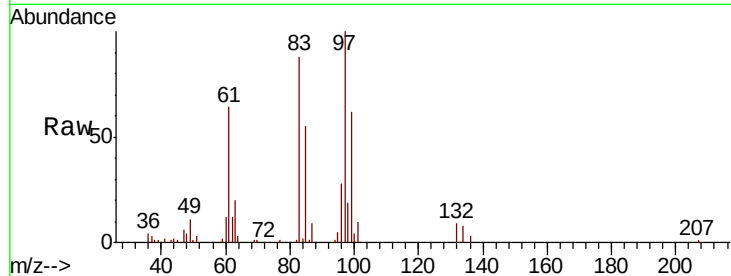
#55  
 1,1,2-Trichloroethane  
 Concen: 20.68 ug/l  
 RT: 8.07 min Scan# 2327  
 Delta R.T. 0.00 min  
 Lab File: VU025892.D  
 Acq: 06 Aug 2018 17:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0806MBSD01

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 97      | 100  |       | 45121 |       |       |
| 83      | 88.2 | 68.9  | 103.3 |       |       |
| 85      | 55.0 | 44.4  | 66.6  |       |       |
| 99      | 61.0 | 51.0  | 76.4  |       |       |

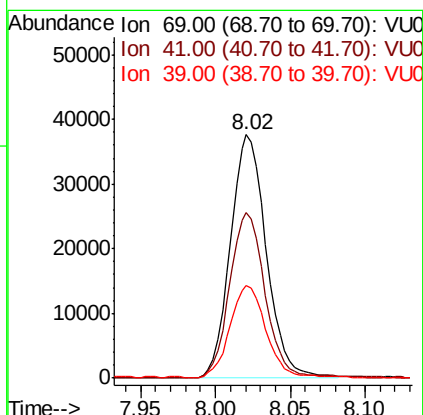
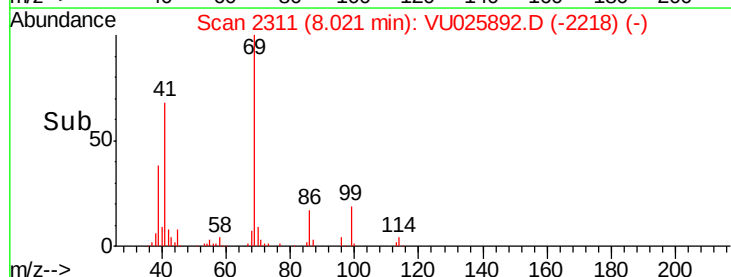
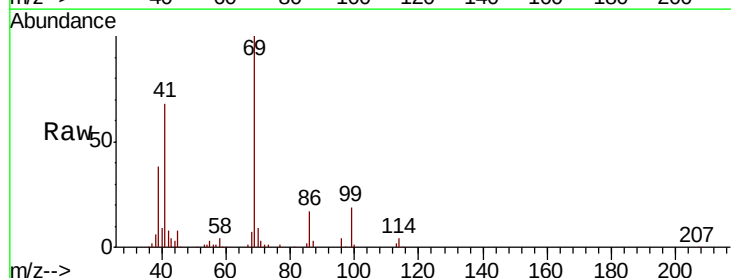
Manual Integrations  
 APPROVED

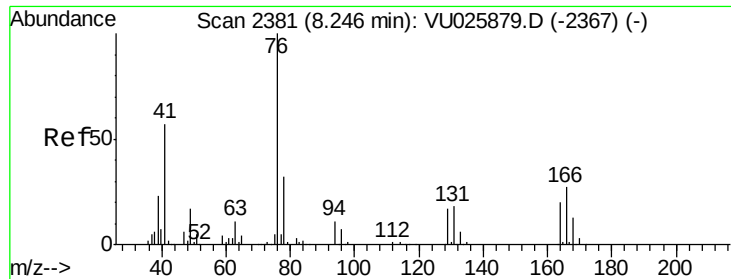
MMDadoda  
 8/7/2018 1:51:38 PM



#56  
 Ethyl methacrylate  
 Concen: 20.18 ug/l  
 RT: 8.02 min Scan# 2311  
 Delta R.T. 0.00 min  
 Lab File: VU025892.D  
 Acq: 06 Aug 2018 17:41

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 69      | 100  |       | 62918 |       |       |
| 41      | 67.9 | 54.8  | 82.2  |       |       |
| 39      | 38.4 | 31.1  | 46.7  |       |       |





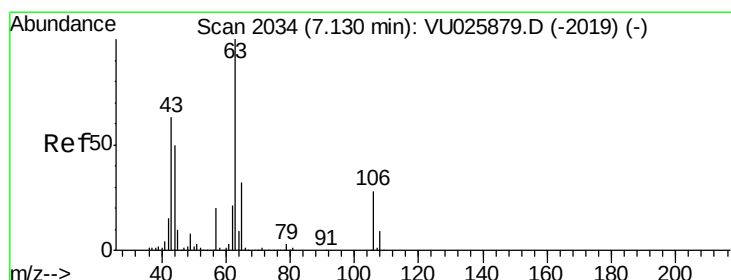
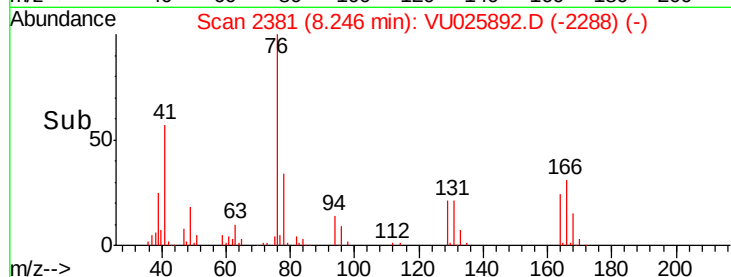
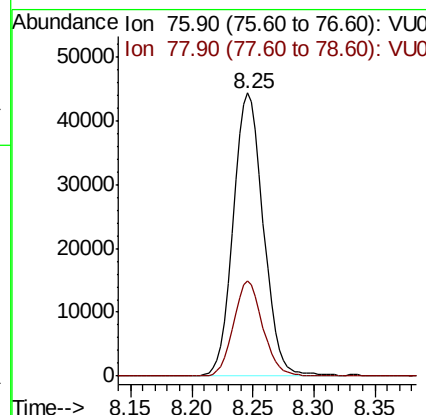
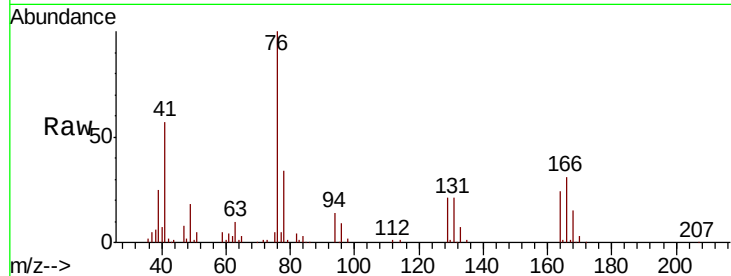
#57  
 1,3-Dichloropropane  
 Concen: 20.83 ug/l  
 RT: 8.25 min Scan# 2381  
 Delta R.T. 0.00 min  
 Lab File: VU025892.D  
 Acq: 06 Aug 2018 17:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0806MBSD01

Tot Ion: 76 Resp: 76431  
 Ion Ratio Lower Upper  
 76 100  
 78 32.6 26.1 39.1

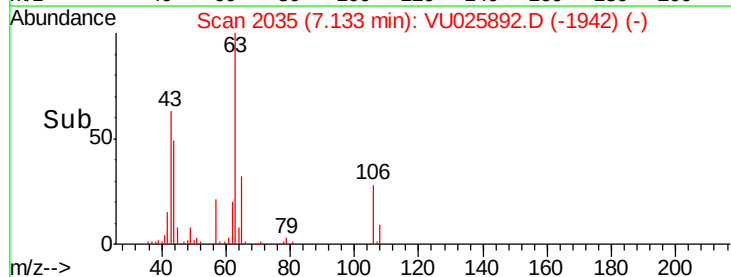
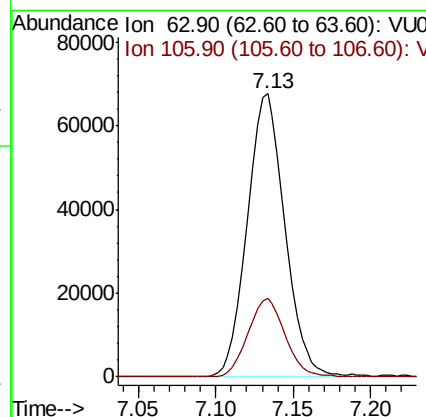
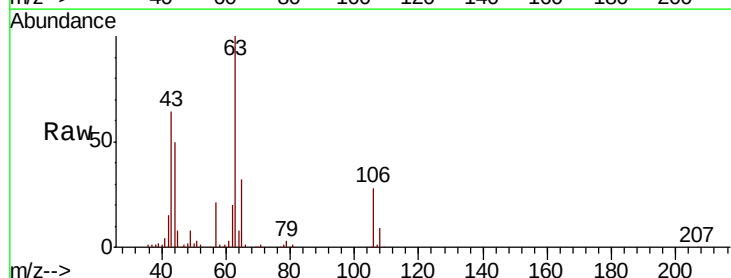
Manual Integrations  
 APPROVED

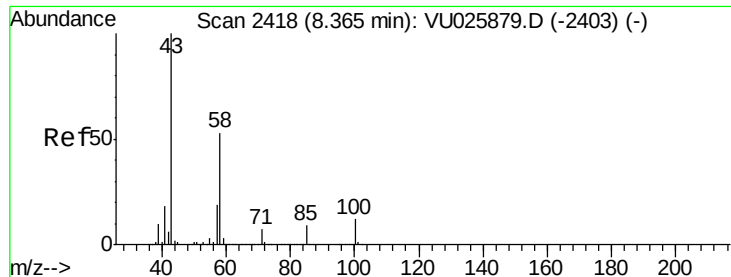
MMDadoda  
 8/7/2018 1:51:38 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 85.86 ug/l  
 RT: 7.13 min Scan# 2035  
 Delta R.T. 0.00 min  
 Lab File: VU025892.D  
 Acq: 06 Aug 2018 17:41

Tgt Ion: 63 Resp: 114466  
 Ion Ratio Lower Upper  
 63 100  
 106 27.5 22.3 33.5





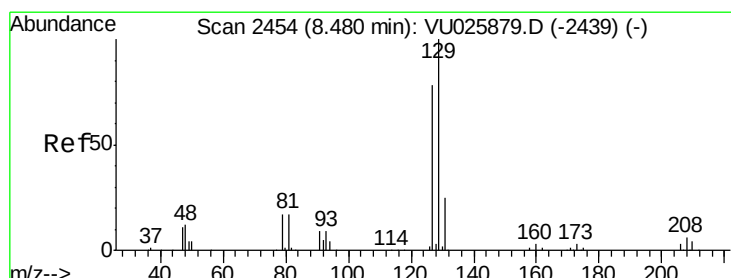
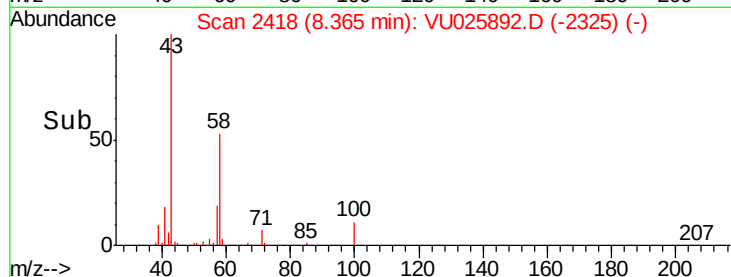
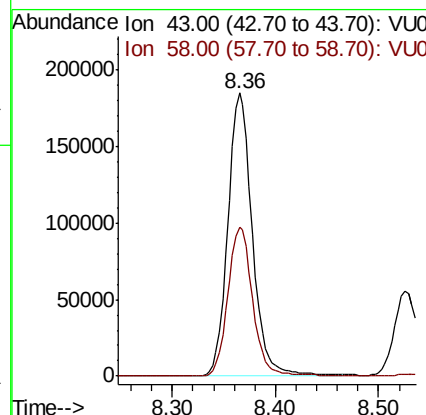
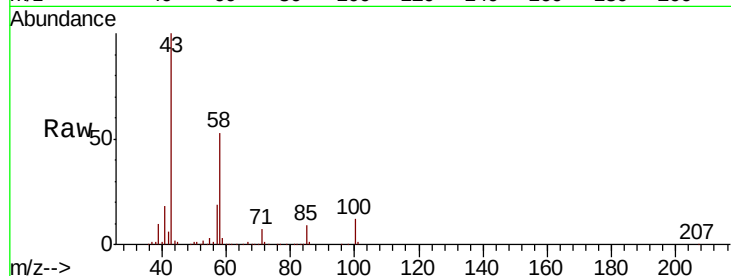
#59  
 2-Hexanone  
 Concen: 125.89 ug/l  
 RT: 8.36 min Scan# 2418  
 Delta R.T. 0.00 min  
 Lab File: VU025892.D  
 Acq: 06 Aug 2018 17:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0806MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 53.1  | 26.2  | 78.5  |

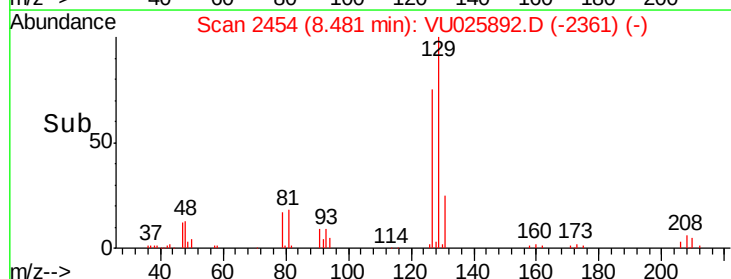
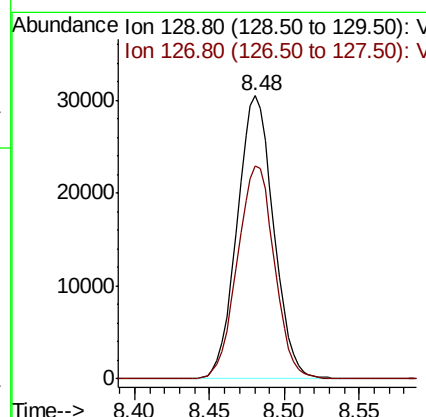
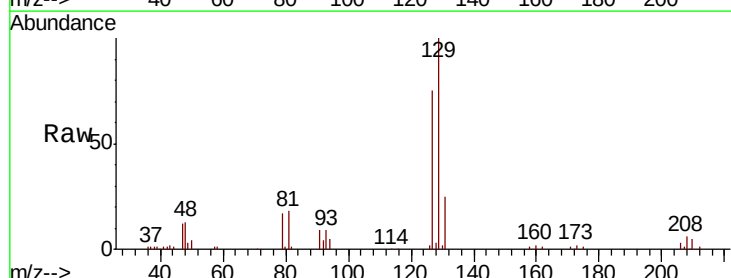
Manual Integrations  
 APPROVED

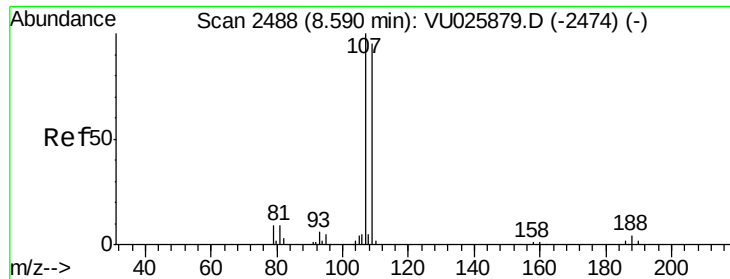
MMDadoda  
 8/7/2018 1:51:38 PM



#60  
 Dibromochloromethane  
 Concen: 20.08 ug/l  
 RT: 8.48 min Scan# 2454  
 Delta R.T. 0.00 min  
 Lab File: VU025892.D  
 Acq: 06 Aug 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 76.5  | 38.6  | 115.8 |





#61

1,2-Dibromoethane

Concen: 20.98 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0806MBSD01

Tot Ion: 107 Resp: 50923

Ion Ratio Lower Upper

107 100

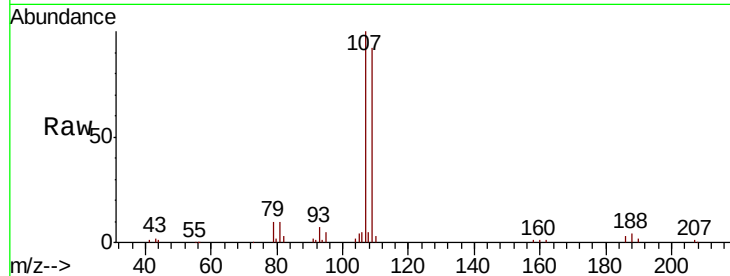
109 92.1 75.8 113.8

Manual Integrations

APPROVED

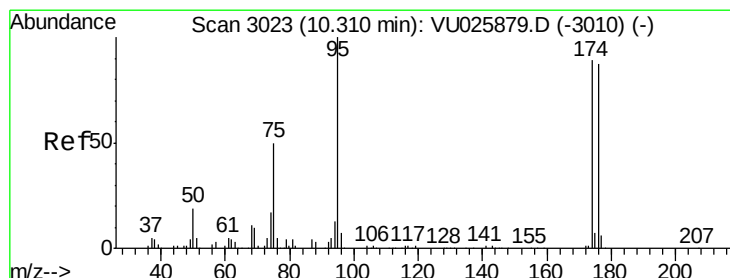
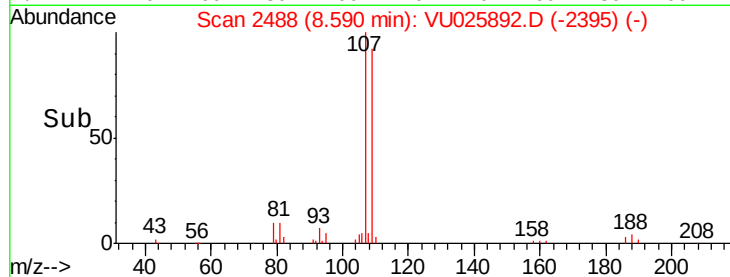
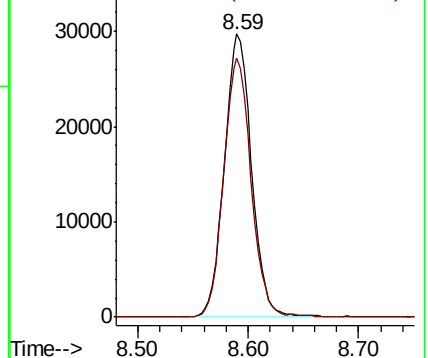
MMDadoda

8/7/2018 1:51:38 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.65 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

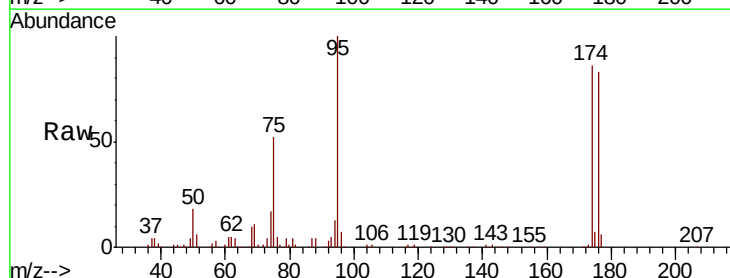
Tgt Ion: 95 Resp: 142188

Ion Ratio Lower Upper

95 100

174 88.9 0.0 172.2

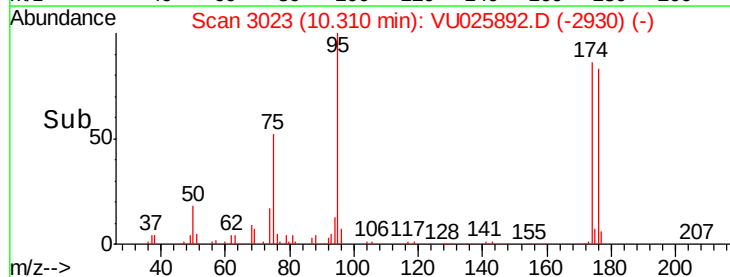
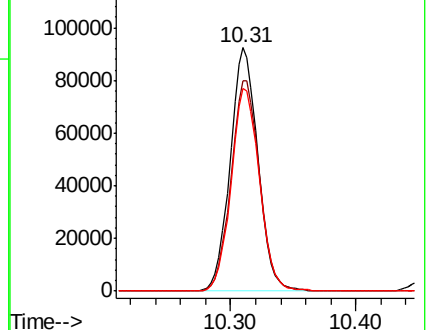
176 85.0 0.0 162.6

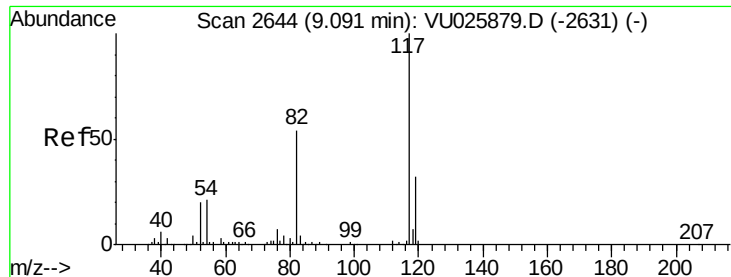


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





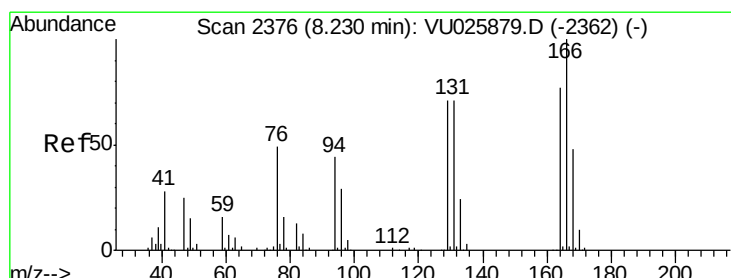
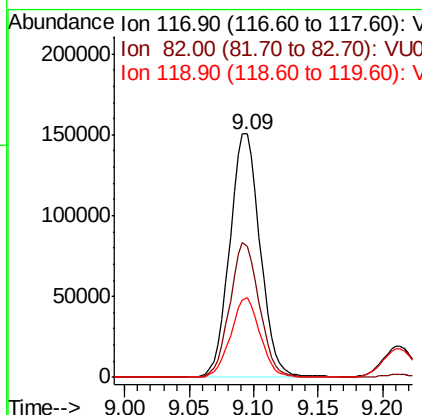
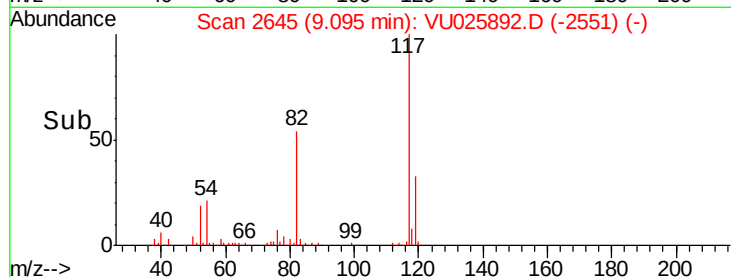
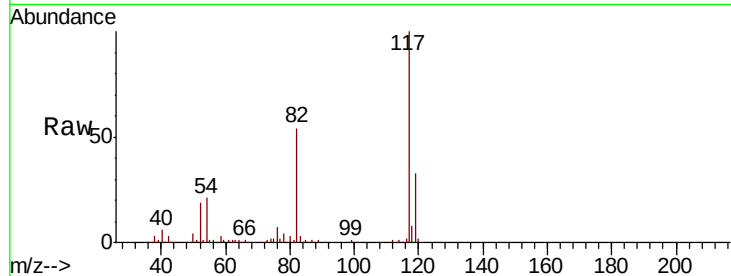
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.09 min Scan# 2645  
Delta R.T. 0.00 min  
Lab File: VU025892.D  
Acq: 06 Aug 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0806MBSD01

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 117     | 100  |       | 246820 |       |       |
| 82      | 54.0 | 46.0  | 69.0   |       |       |
| 119     | 32.5 | 26.0  | 39.0   |       |       |

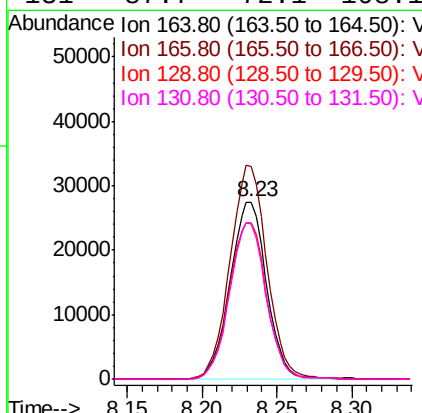
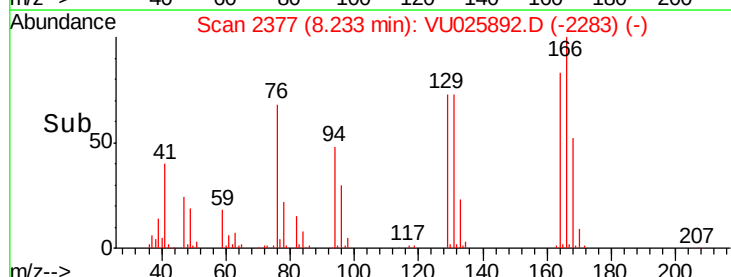
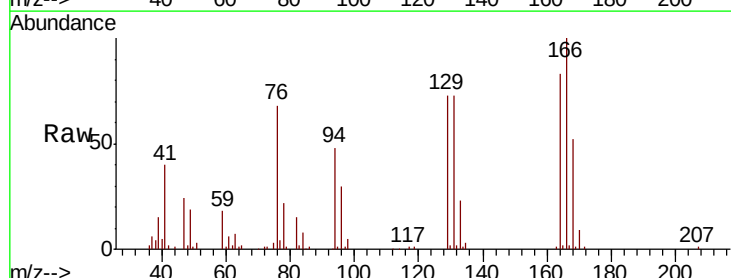
Manual Integrations  
APPROVED

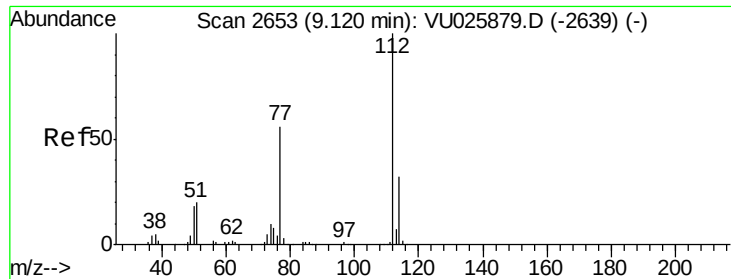
MMDadoda  
8/7/2018 1:51:38 PM



#64  
Tetrachloroethene  
Concen: 21.44 ug/l  
RT: 8.23 min Scan# 2377  
Delta R.T. 0.00 min  
Lab File: VU025892.D  
Acq: 06 Aug 2018 17:41

| Tgt Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 164     | 100   |       | 46571 |       |       |
| 166     | 120.5 | 101.1 | 151.7 |       |       |
| 129     | 88.4  | 73.0  | 109.6 |       |       |
| 131     | 87.7  | 72.1  | 108.1 |       |       |





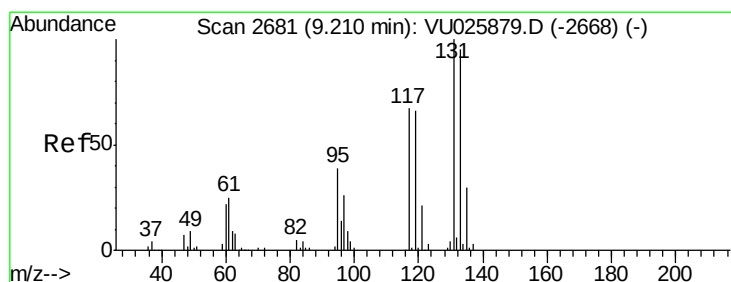
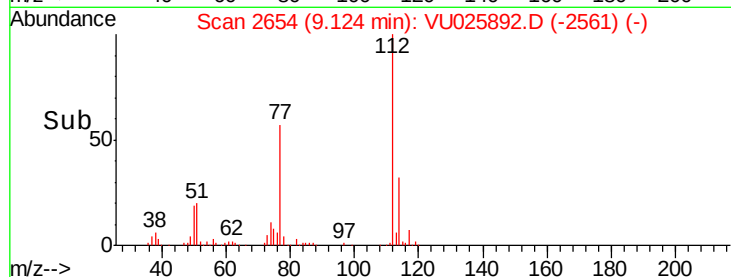
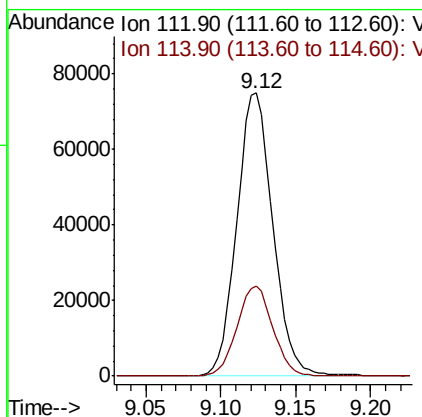
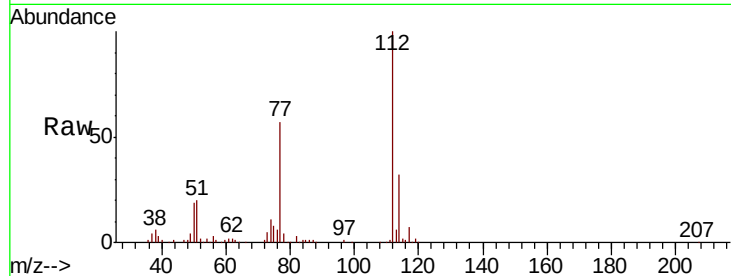
#65  
Chlorobenzene  
Concen: 19.72 ug/l  
RT: 9.12 min Scan# 2654  
Delta R.T. 0.00 min  
Lab File: VU025892.D  
Acq: 06 Aug 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0806MBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 125481 |       |       |
| 114     | 31.8  | 25.8   | 38.8  |       |

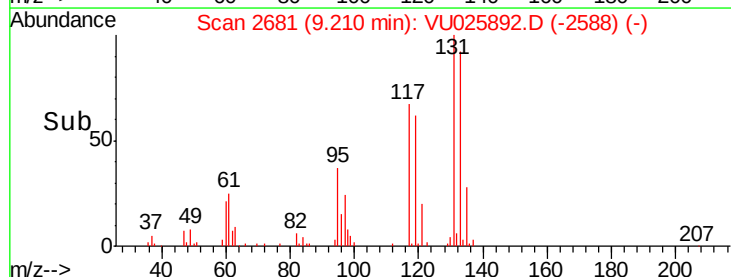
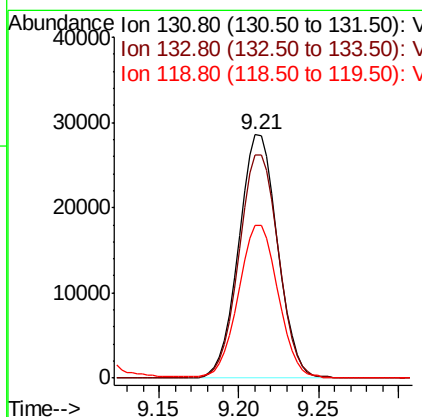
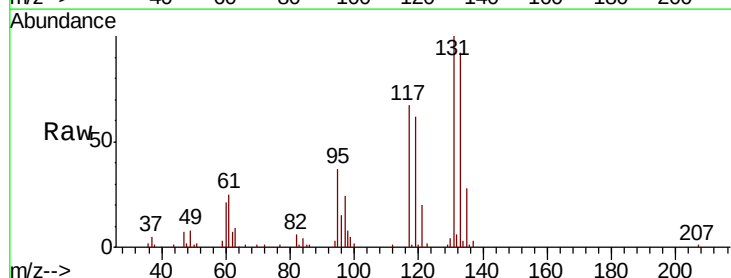
Manual Integrations  
APPROVED

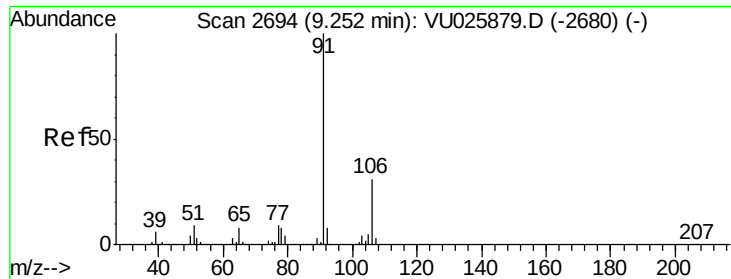
MMDadoda  
8/7/2018 1:51:38 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.51 ug/l  
RT: 9.21 min Scan# 2681  
Delta R.T. 0.00 min  
Lab File: VU025892.D  
Acq: 06 Aug 2018 17:41

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 131     | 100   | 47213 |       |       |
| 133     | 93.3  | 47.8  | 143.3 |       |
| 119     | 64.4  | 31.6  | 95.0  |       |





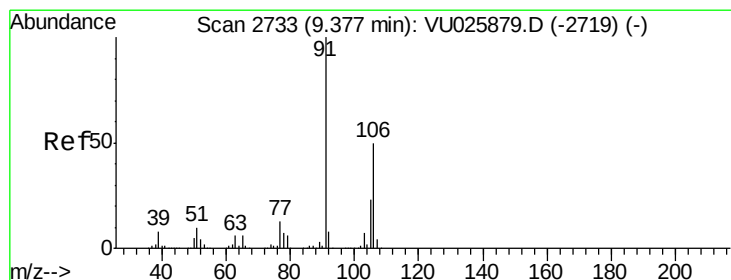
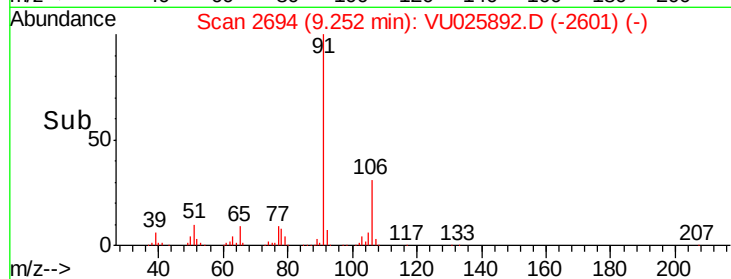
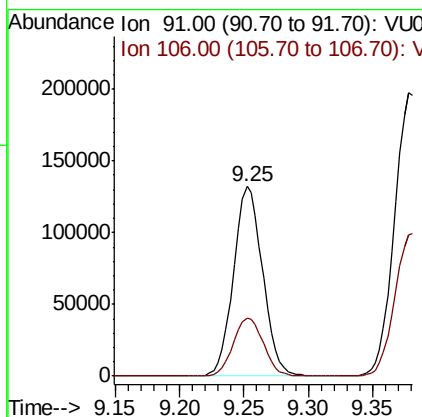
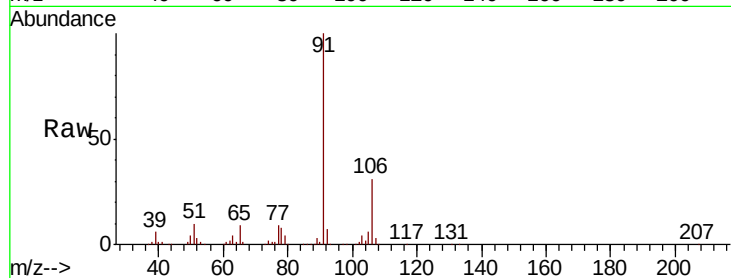
#67  
Ethyl Benzene  
Concen: 19.72 ug/l  
RT: 9.25 min Scan# 2694  
Delta R.T. 0.00 min  
Lab File: VU025892.D  
Acq: 06 Aug 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0806MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 30.9  | 25.3  | 37.9  |

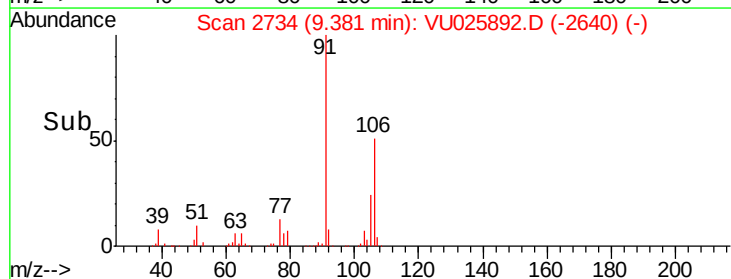
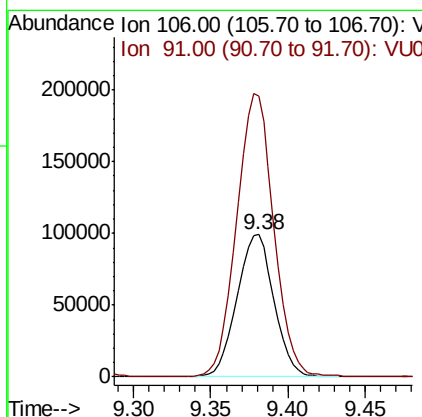
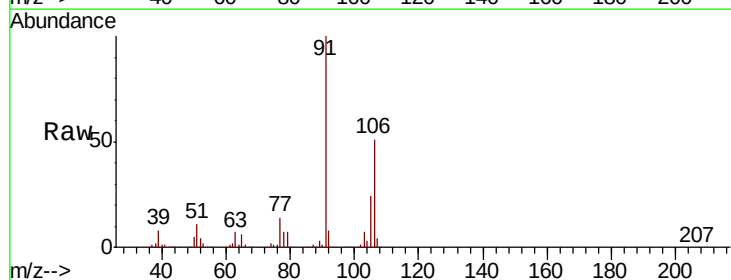
Manual Integrations  
APPROVED

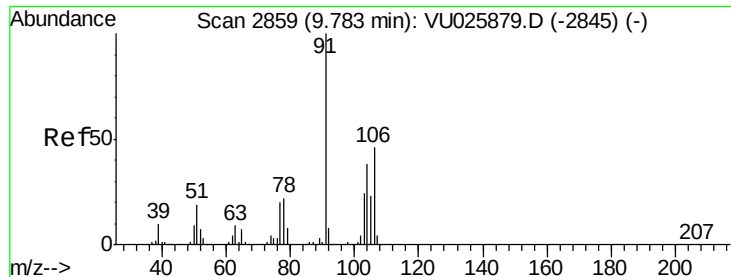
MMDadoda  
8/7/2018 1:51:38 PM



#68  
m/p-Xylenes  
Concen: 40.64 ug/l  
RT: 9.38 min Scan# 2734  
Delta R.T. 0.00 min  
Lab File: VU025892.D  
Acq: 06 Aug 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 199.0 | 162.3 | 243.5 |





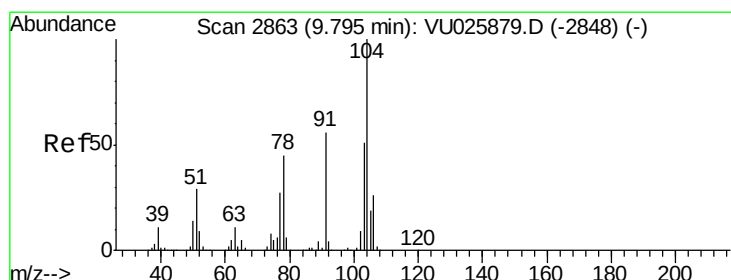
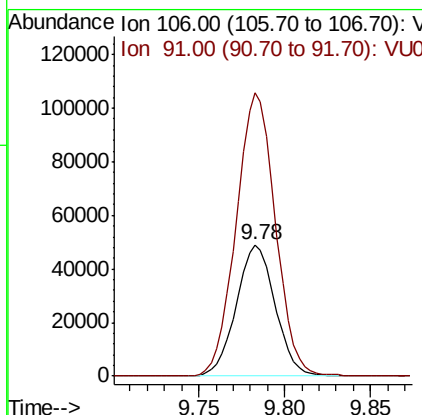
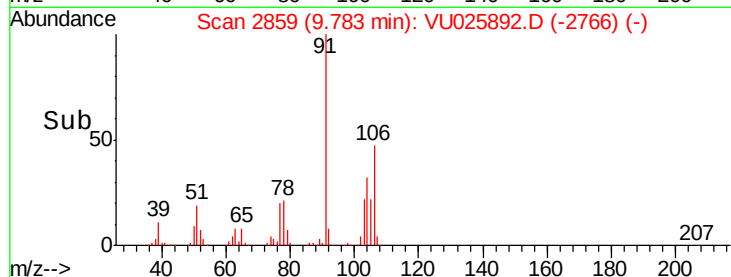
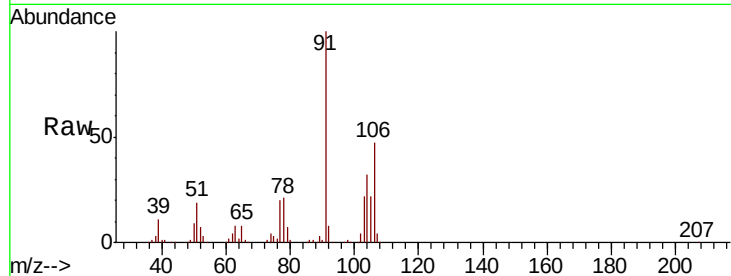
#69  
o-Xylene  
Concen: 19.46 ug/l  
RT: 9.78 min Scan# 2859  
Delta R.T. 0.00 min  
Lab File: VU025892.D  
Acq: 06 Aug 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0806MBSD01

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 106     | 100   |       | 76967 |       |       |
| 91      | 216.9 | 105.3 | 315.8 |       |       |

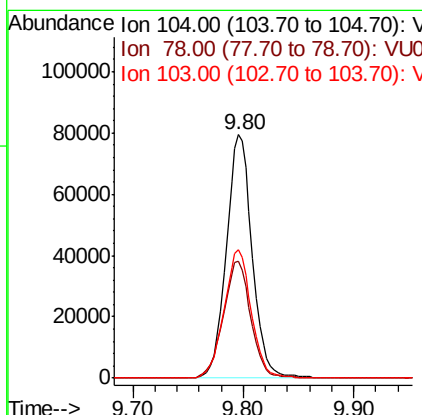
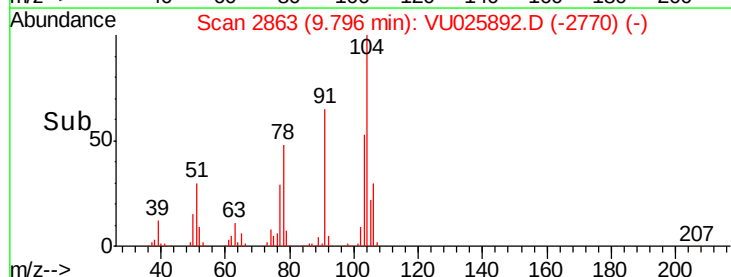
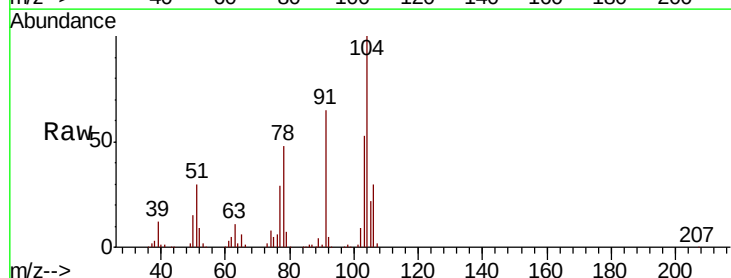
Manual Integrations  
APPROVED

MMDadoda  
8/7/2018 1:51:38 PM

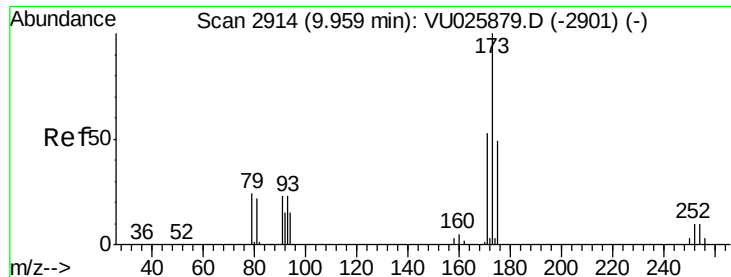


#70  
Styrene  
Concen: 20.22 ug/l  
RT: 9.80 min Scan# 2863  
Delta R.T. 0.00 min  
Lab File: VU025892.D  
Acq: 06 Aug 2018 17:41

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       | 129165 |       |       |
| 78      | 51.0 | 41.6  | 62.4   |       |       |
| 103     | 55.3 | 44.6  | 66.8   |       |       |







#71

Bromoform

Concen: 19.34 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0806MBSD01

Tot Ion:173 Resp: 38596

Ion Ratio Lower Upper

173 100

175 49.8 24.0 72.0

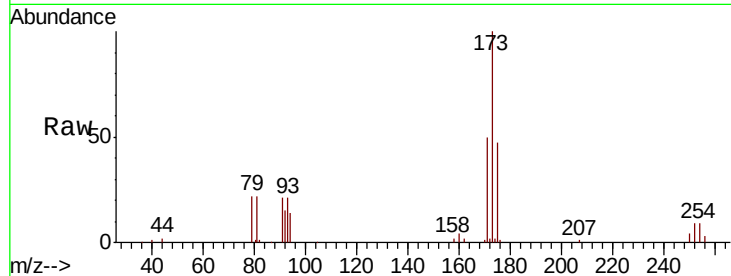
254 0.0 0.0 0.0

Manual Integrations

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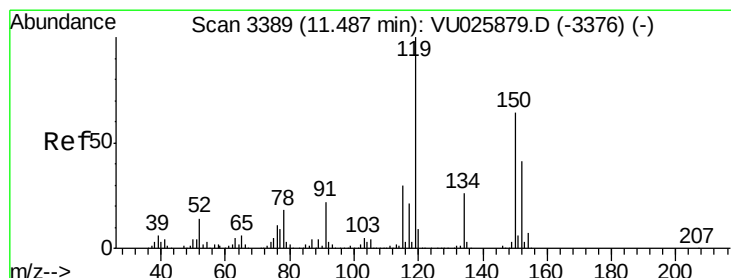
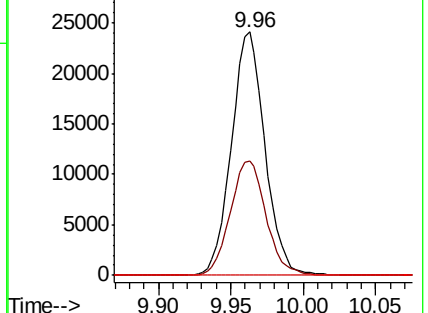
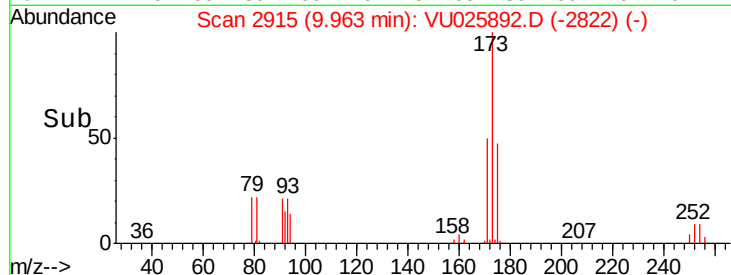
8/7/2018 1:51:38 PM



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: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

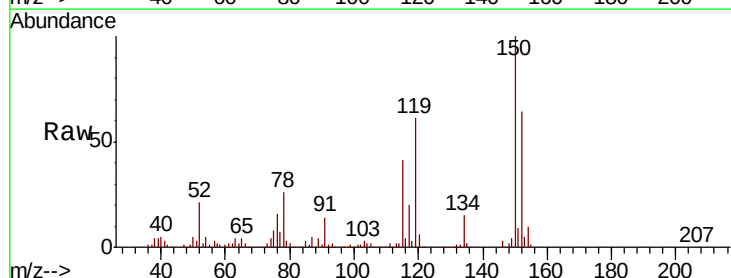
Tgt Ion:152 Resp: 152852

Ion Ratio Lower Upper

152 100

115 67.0 40.1 120.3

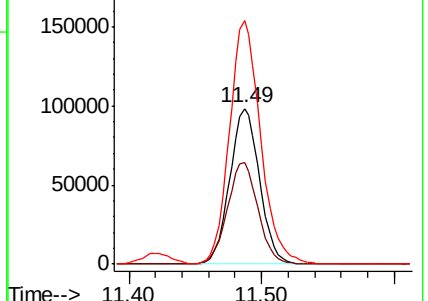
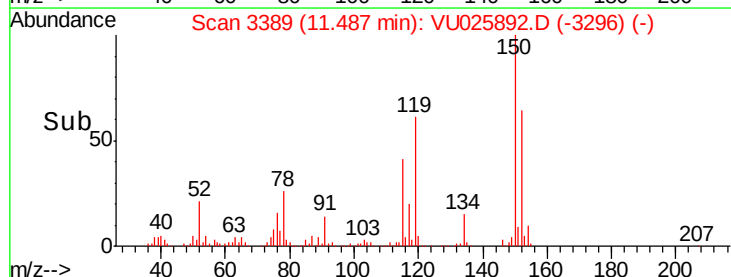
150 163.2 0.0 351.4

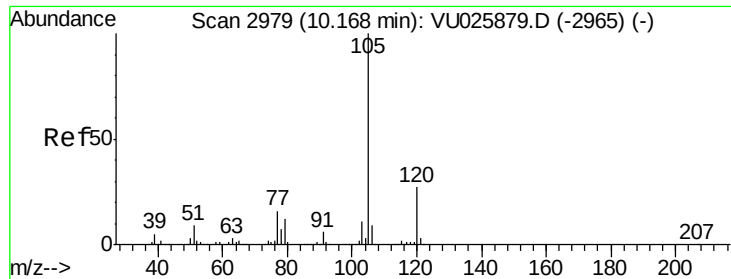


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.14 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0806MBSD01

Tot Ion: 105 Resp: 210100

Ion Ratio Lower Upper

105 100

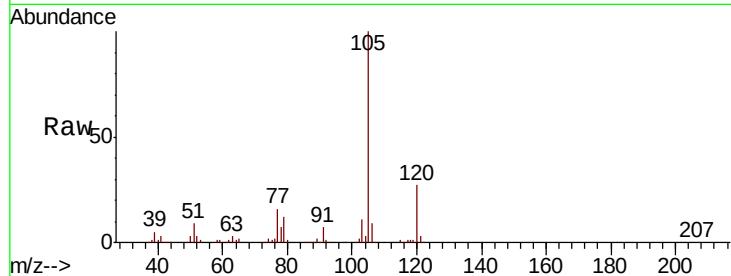
120 26.7 13.5 40.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

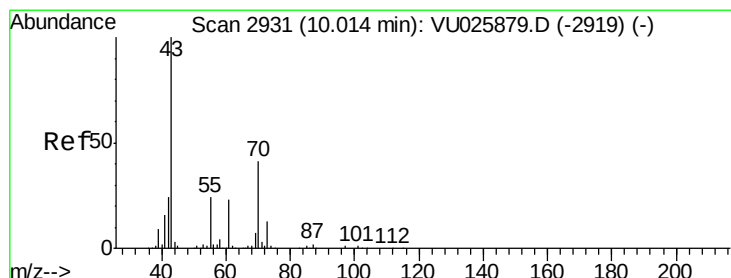
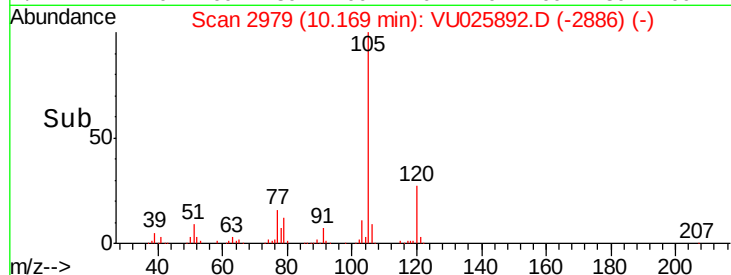
100000

50000

0

10.10 10.15 10.20

Time-->



#74

N-ethyl acetate

Concen: 20.23 ug/l

RT: 10.02 min Scan# 2932

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

Tgt Ion: 43 Resp: 86169

Ion Ratio Lower Upper

43 100

70 41.8 33.4 50.2

55 24.1 19.0 28.6

61 24.1 19.3 28.9

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

80000

60000

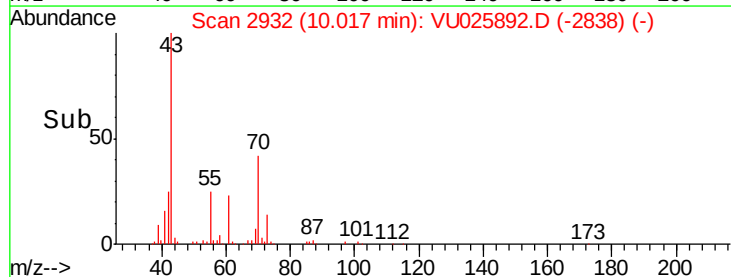
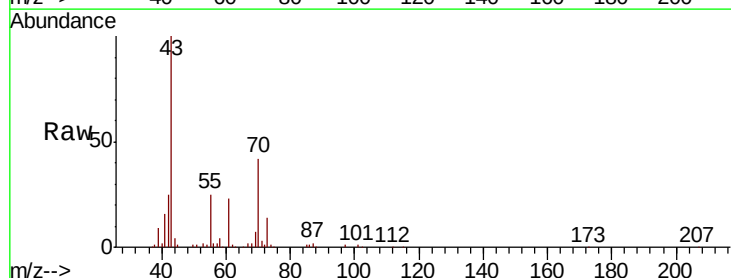
40000

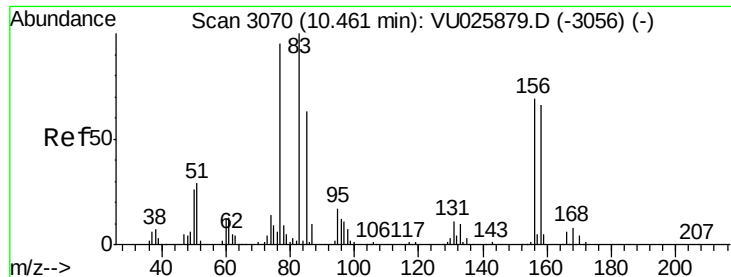
20000

0

9.95 10.00 10.05 10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.05 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

Instrument :

MSVOA\_U

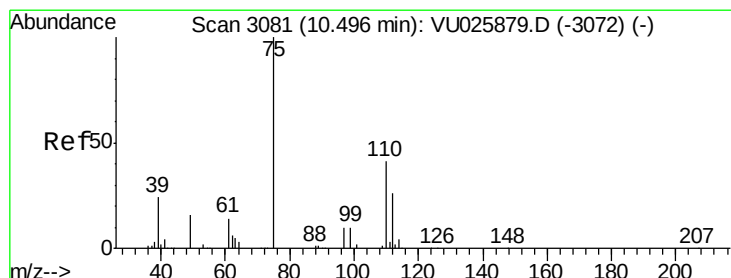
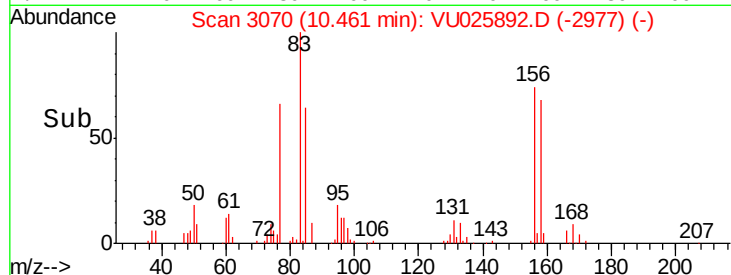
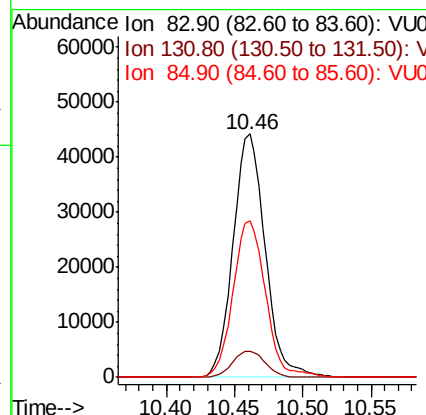
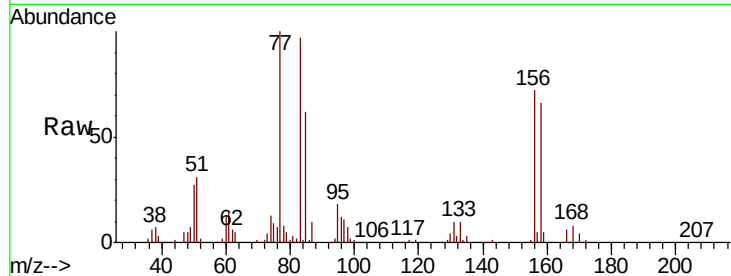
ClientSampleId :

VU0806MBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 72335 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.9  | 5.5   | 16.4  |
| 85        | 65.1  | 31.6  | 94.8  |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 19.10 ug/l m

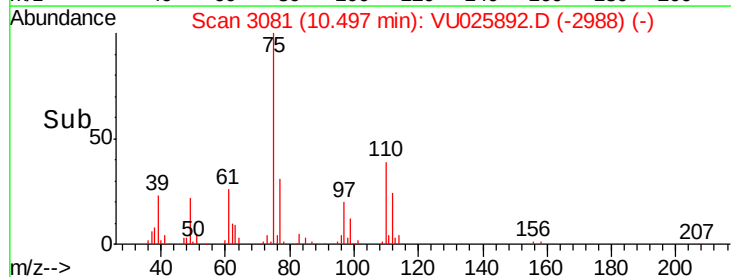
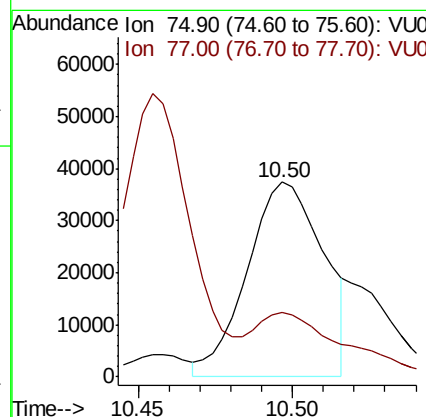
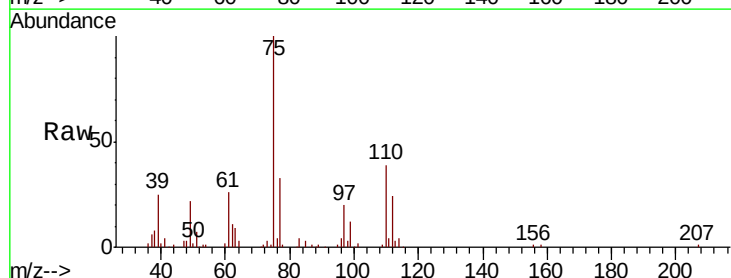
RT: 10.50 min Scan# 3081

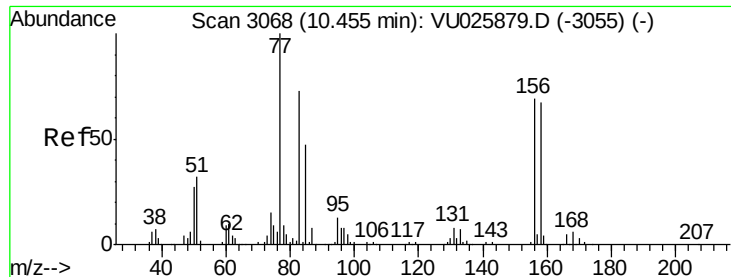
Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 64332 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 38.8  | 20.4  | 61.3  |





#77

Bromobenzene

Concen: 20.31 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

Instrument :

MSVOA\_U

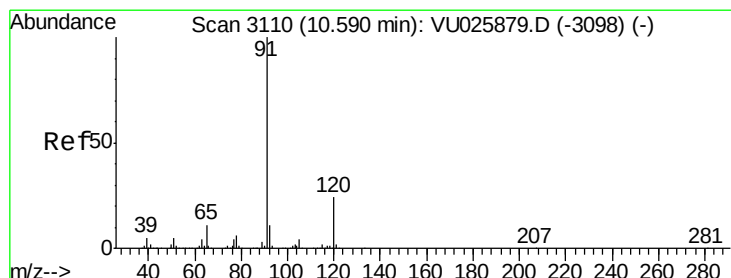
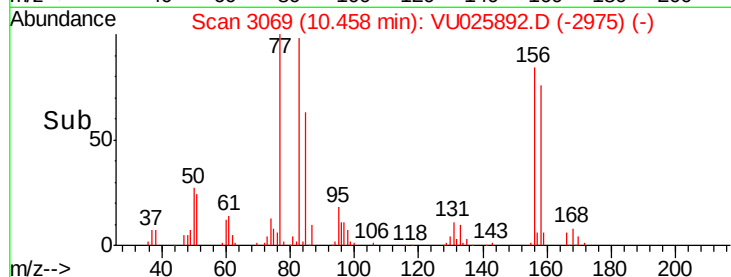
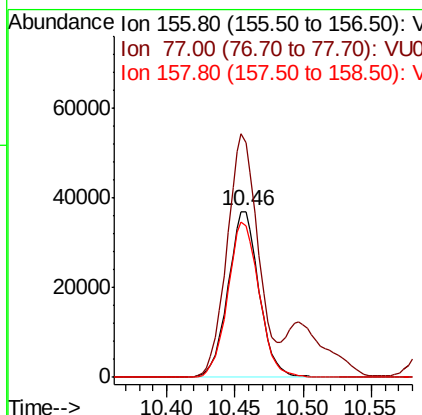
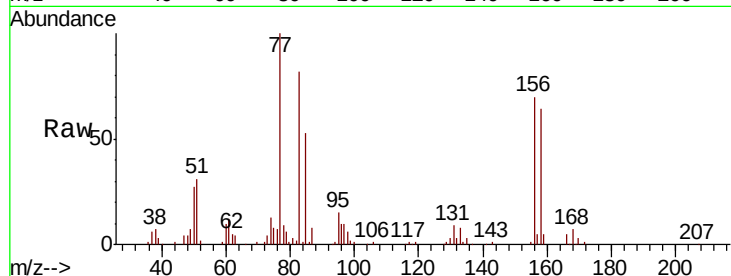
ClientSampled :

VU0806MBSD01

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 156     | 100   |       |       |       |
| 77      | 149.1 | 73.8  | 221.4 |       |
| 158     | 95.0  | 48.0  | 144.0 |       |

Manual Integrations  
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#78

n-propylbenzene

Concen: 20.22 ug/l

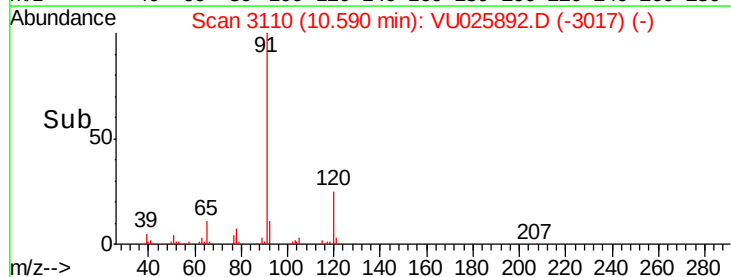
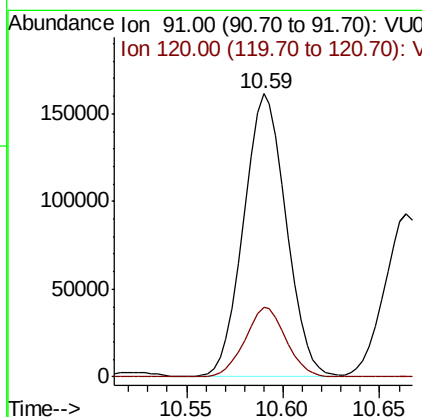
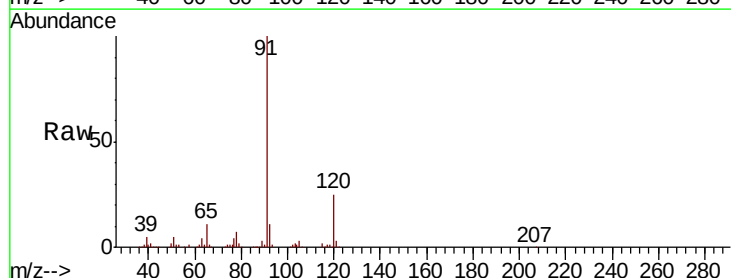
RT: 10.59 min Scan# 3110

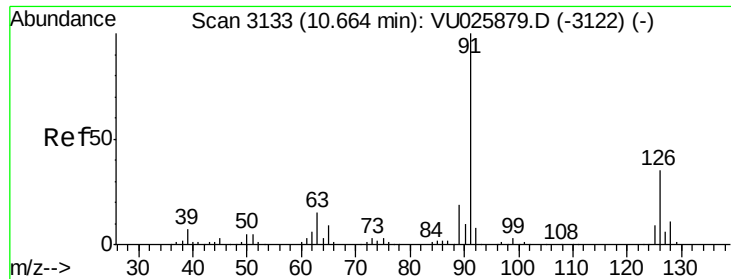
Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 91      | 100  |       |       |       |
| 120     | 23.9 | 11.8  | 35.3  |       |





#79

2-Chlorotoluene

Concen: 20.65 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0806MBSD01

Tot Ion: 91 Resp: 147258

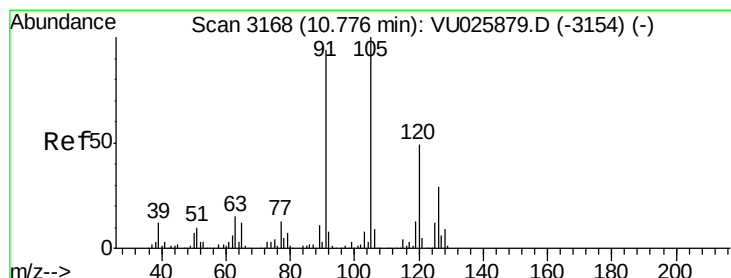
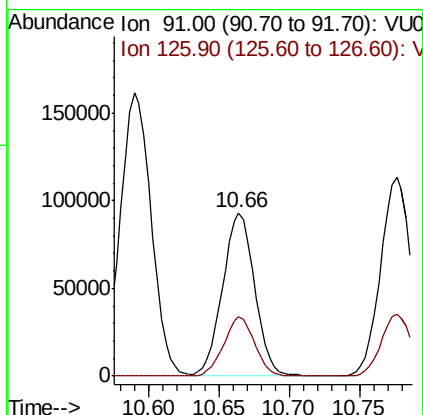
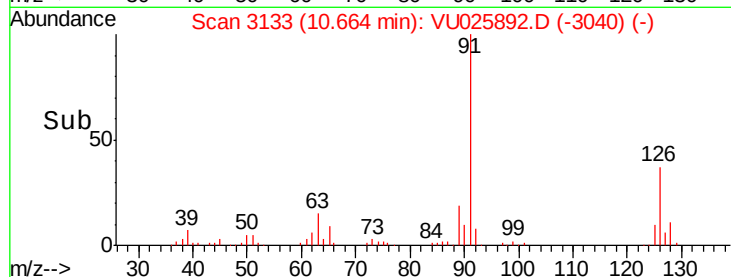
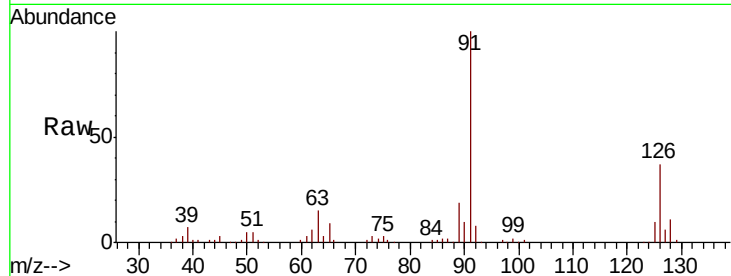
Ion Ratio Lower Upper

91 100

126 35.0 17.5 52.6

Manual Integrations  
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8/7/2018 1:51:38 PM



#80

1,3,5-Trimethylbenzene

Concen: 20.75 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025892.D

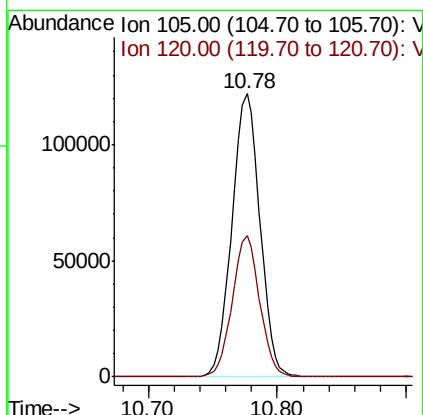
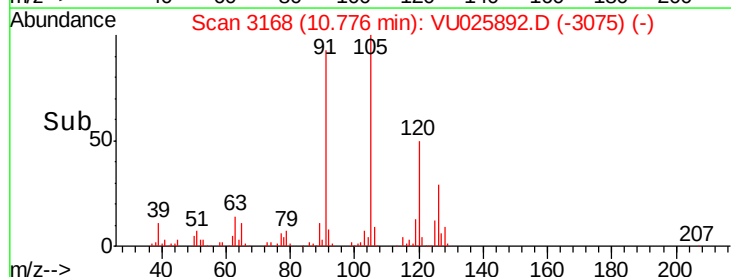
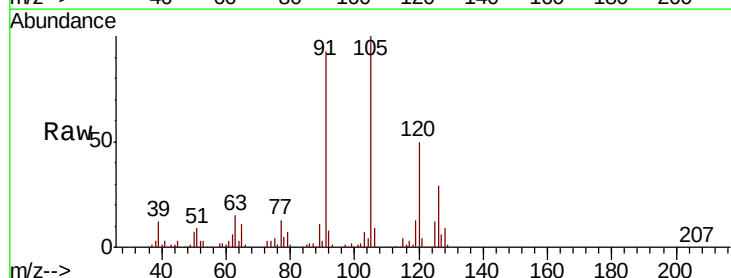
Acq: 06 Aug 2018 17:41

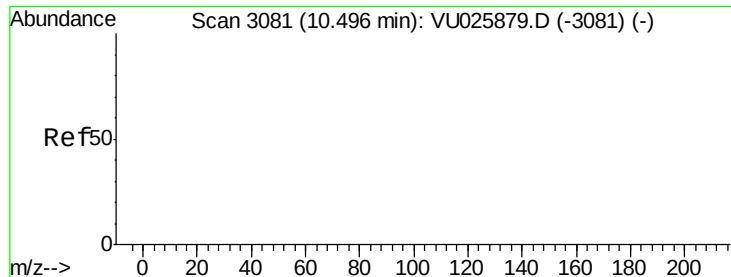
Tgt Ion: 105 Resp: 183875

Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.2





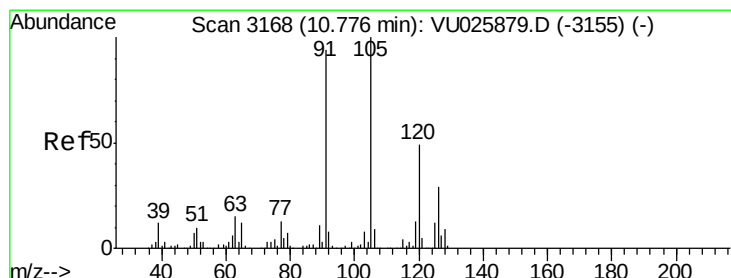
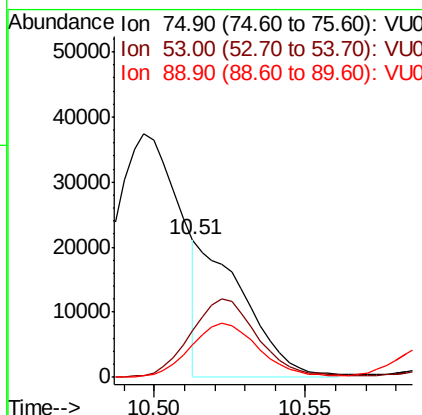
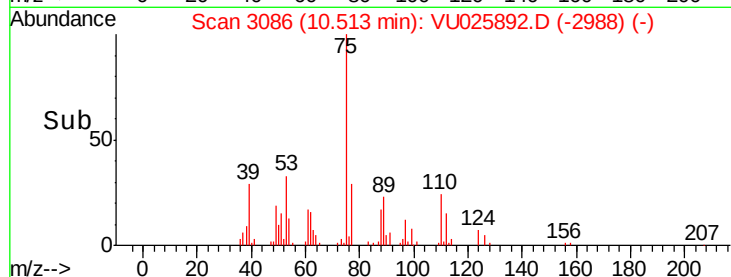
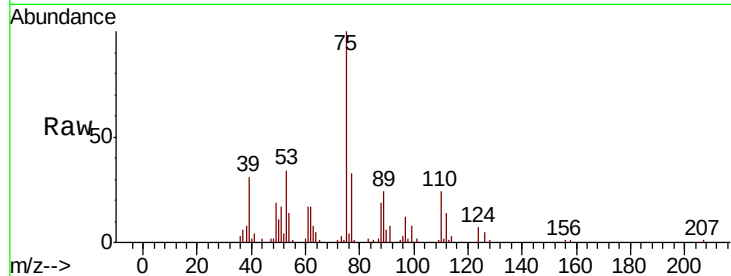
#81  
trans-1,4-Dichloro-2-butene  
Concen: 17.01 ug/l m  
RT: 10.51 min Scan# 3086  
Delta R.T. 0.02 min  
Lab File: VU025892.D  
Acq: 06 Aug 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0806MBSD01

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

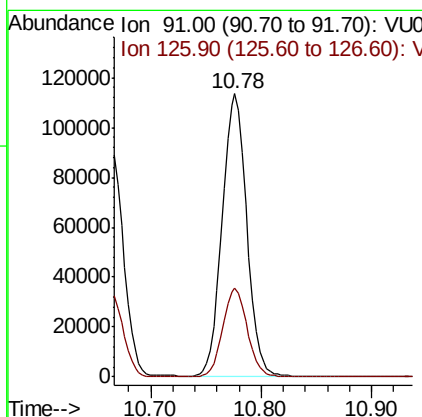
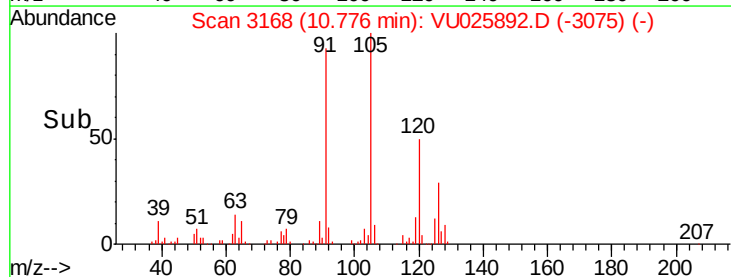
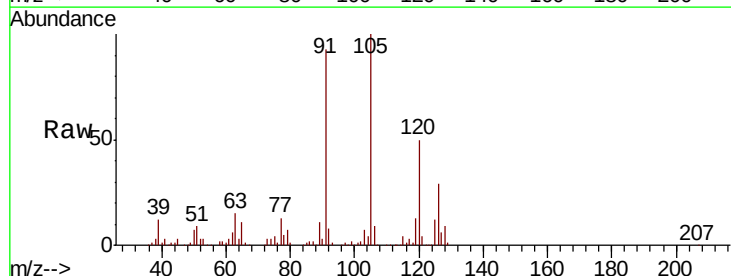
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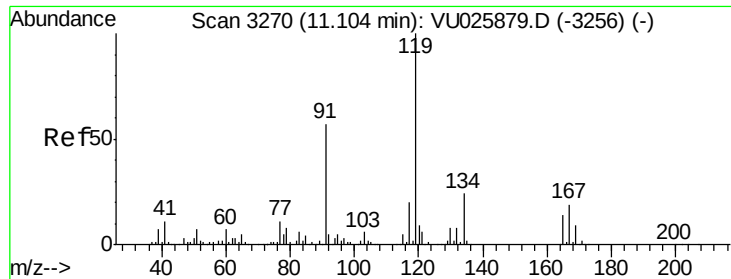
MMDadoda  
8/7/2018 1:51:38 PM



#82  
4-Chlorotoluene  
Concen: 20.87 ug/l  
RT: 10.78 min Scan# 3168  
Delta R.T. 0.00 min  
Lab File: VU025892.D  
Acq: 06 Aug 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 31.4  | 15.3  | 45.9  |





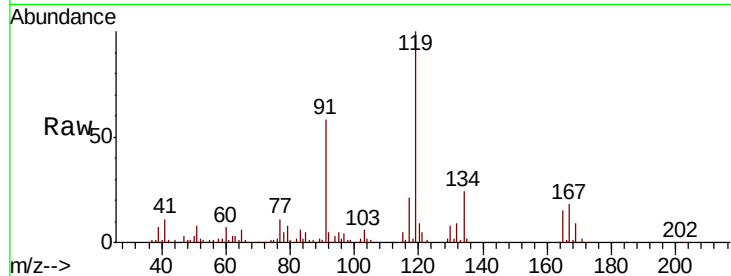
#83  
 tert-Butylbenzene  
 Concen: 19.35 ug/l  
 RT: 11.10 min Scan# 3270  
 Delta R.T. 0.00 min  
 Lab File: VU025892.D  
 Acq: 06 Aug 2018 17:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0806MBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 170298 |       |       |
| 91      | 60.1  | 29.7   | 89.1  |       |
| 134     | 23.5  | 11.5   | 34.5  |       |

Manual Integrations  
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 8/7/2018 1:51:38 PM

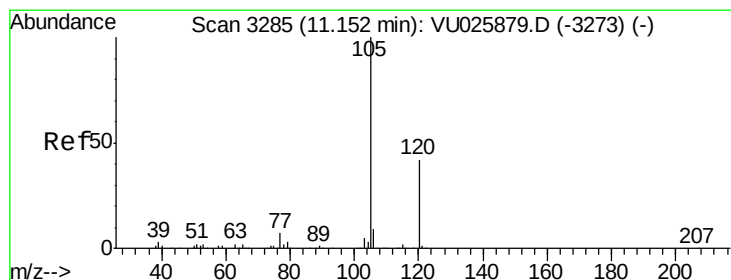
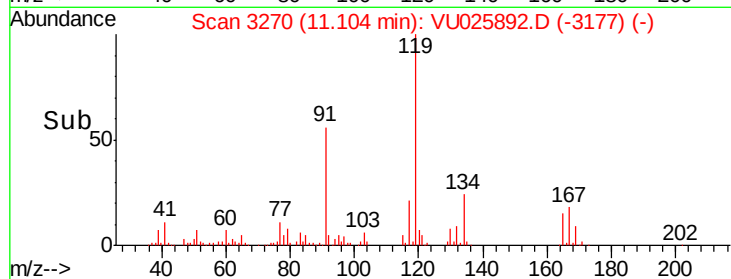
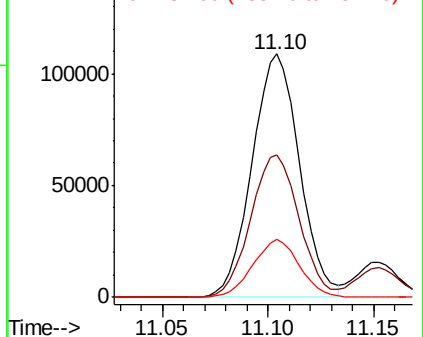


Abundance

Ion 119.00 (118.70 to 119.70): V

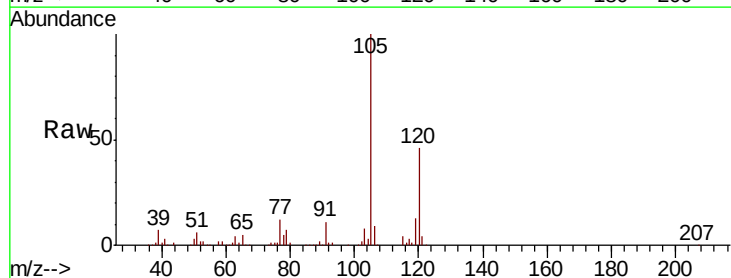
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.57 ug/l  
 RT: 11.15 min Scan# 3285  
 Delta R.T. 0.00 min  
 Lab File: VU025892.D  
 Acq: 06 Aug 2018 17:41

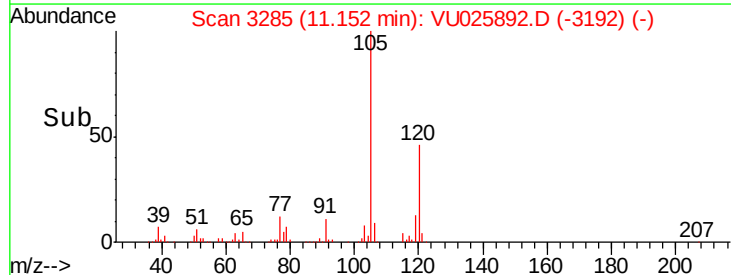
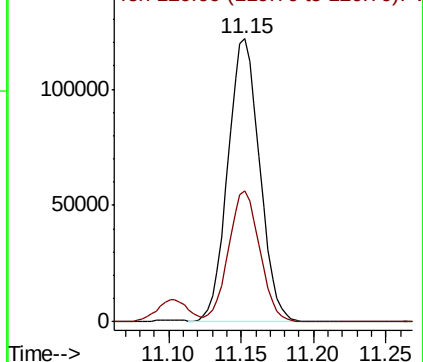
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 184698 |       |       |
| 120     | 45.4  | 22.3   | 66.8  |       |

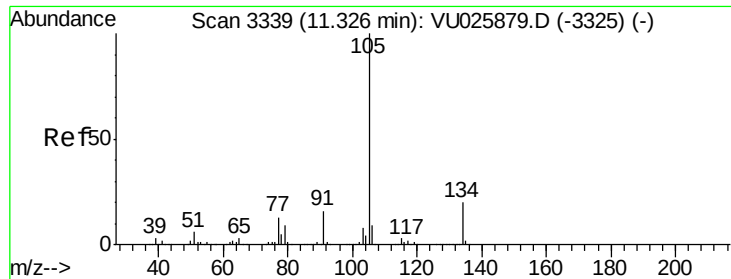


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.72 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

Instrument :

MSVOA\_U

ClientSampleId :

VU0806MBSD01

Tot Ion:105 Resp: 211912

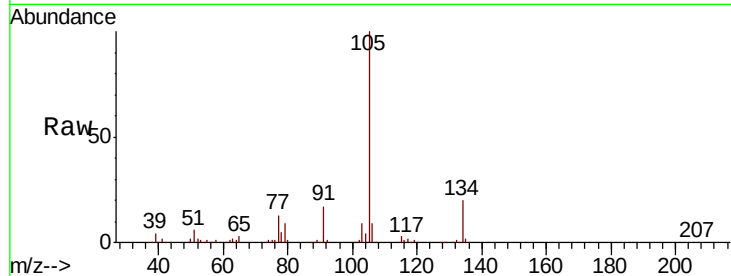
Ion Ratio Lower Upper

105 100

134 20.4 10.3 30.8

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8/7/2018 1:51:38 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

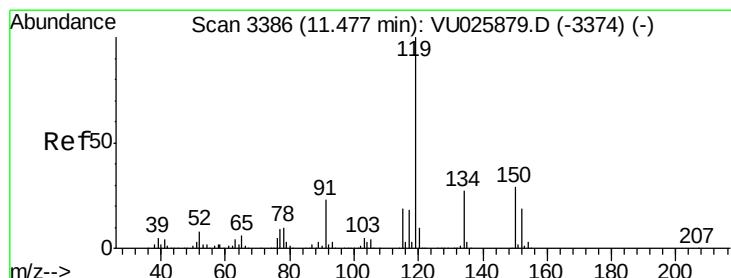
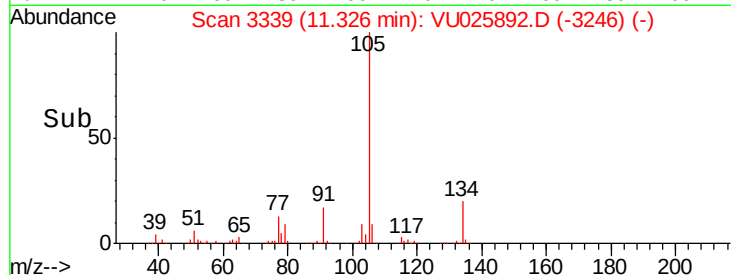
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.72 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

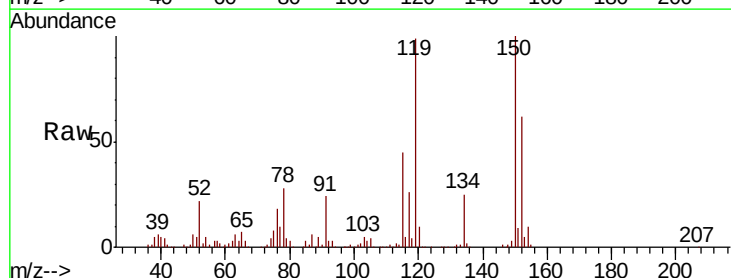
Tgt Ion:119 Resp: 189816

Ion Ratio Lower Upper

119 100

134 25.8 13.2 39.5

91 24.1 12.0 36.1



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): VU

11.48

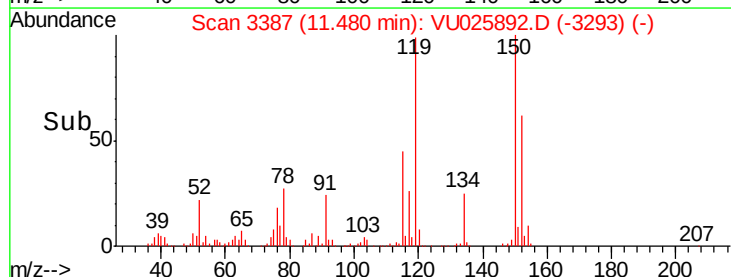
150000

100000

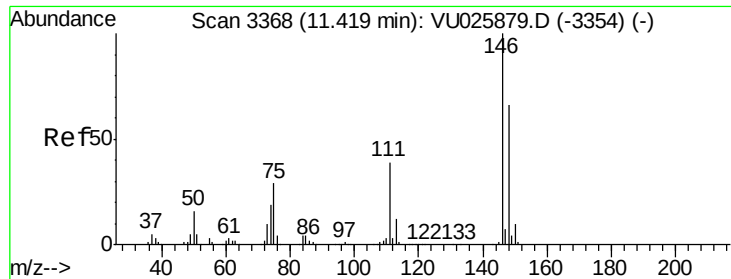
50000

0

Time-->







#87

1,3-Dichlorobenzene

Concen: 19.82 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

Instrument :

MSVOA\_U

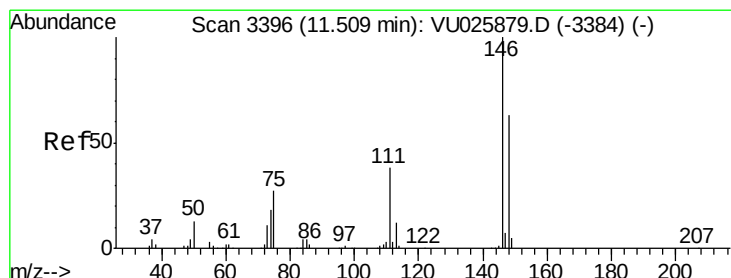
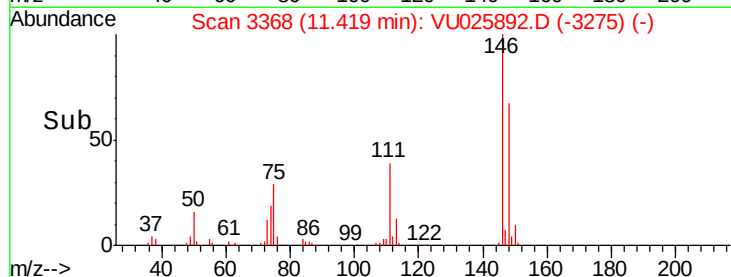
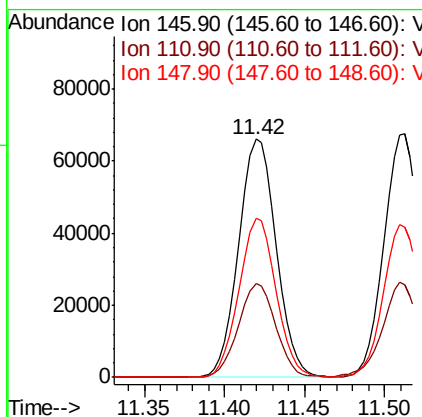
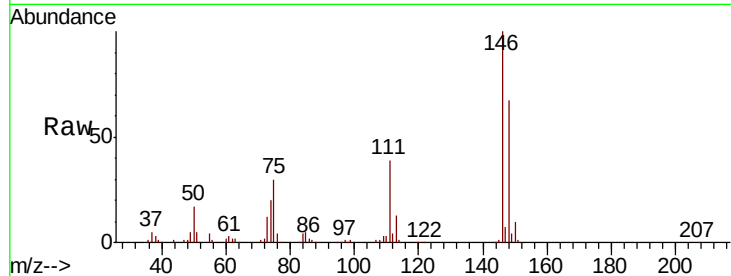
ClientSampleId :

VU0806MBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 105860 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 39.1  | 19.7  | 59.1   |
| 148       | 65.6  | 32.1  | 96.3   |

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#88

1,4-Dichlorobenzene

Concen: 19.45 ug/l

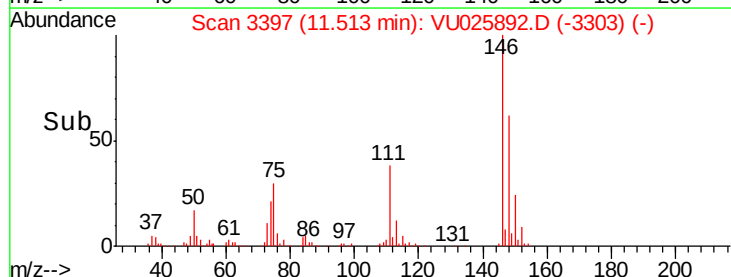
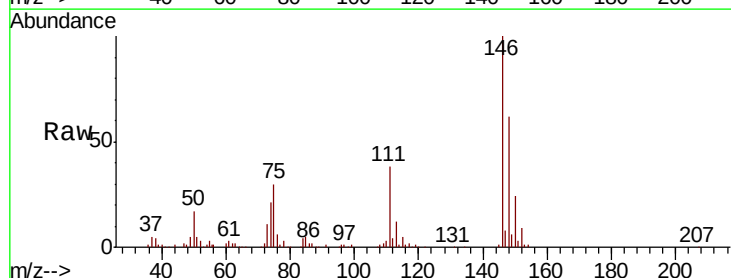
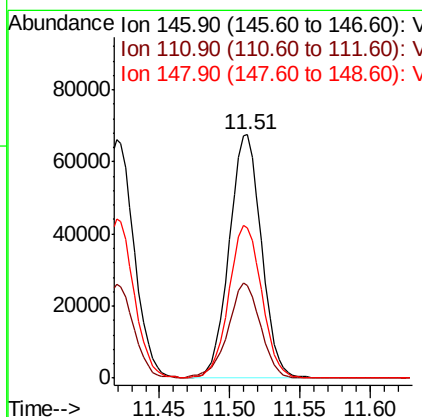
RT: 11.51 min Scan# 3397

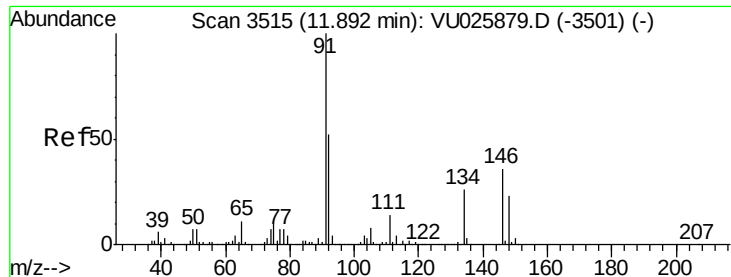
Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 108293 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 39.6  | 19.4  | 58.1   |
| 148       | 64.0  | 31.7  | 95.1   |





#89

n-Butylbenzene

Concen: 18.24 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

Instrument :

MSVOA\_U

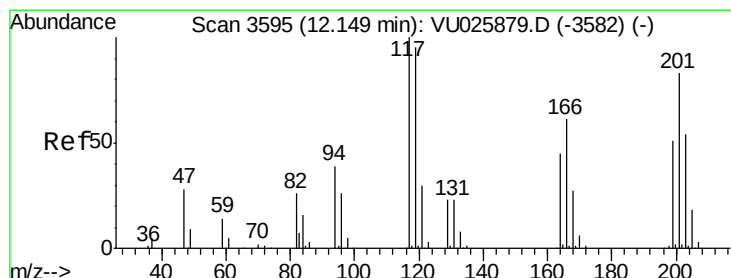
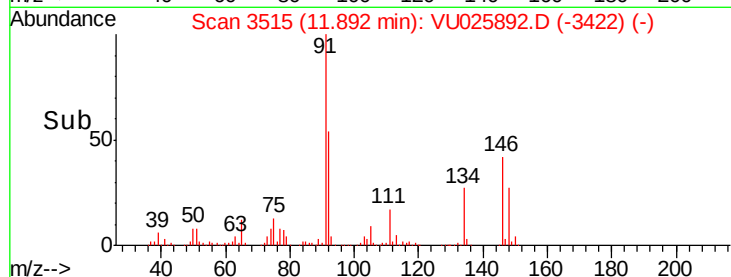
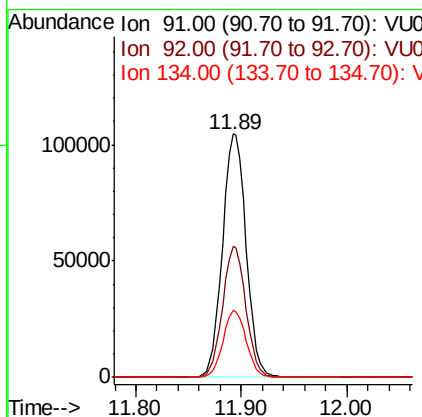
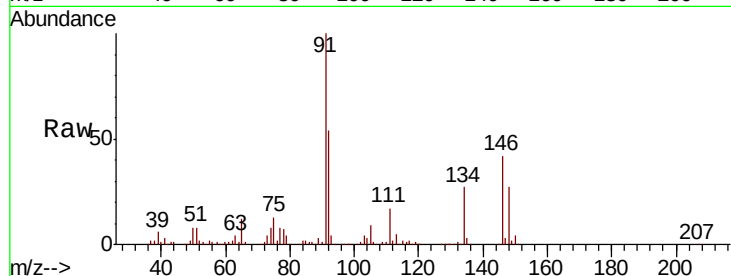
ClientSampleId :

VU0806MBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 91    | Resp: | 161968 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 53.0  | 26.5  | 79.5   |
| 134      | 26.8  | 13.6  | 40.7   |

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#90

Hexachloroethane

Concen: 18.83 ug/l

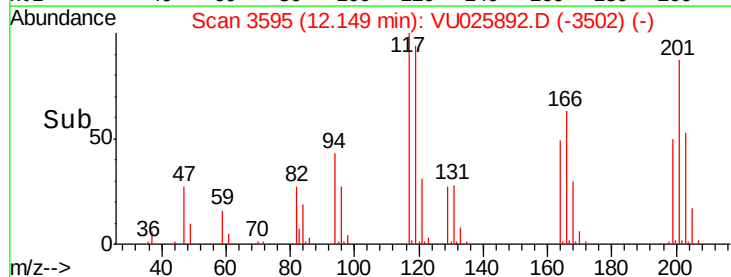
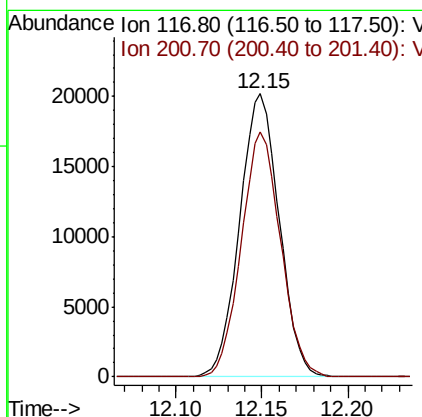
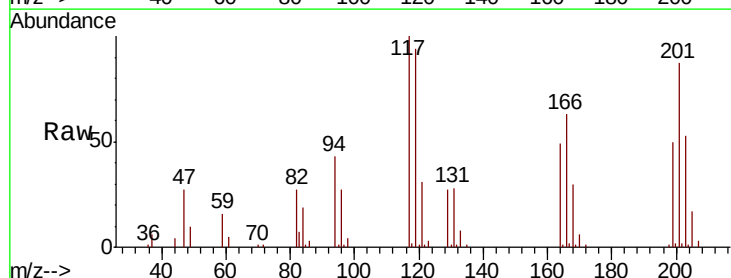
RT: 12.15 min Scan# 3595

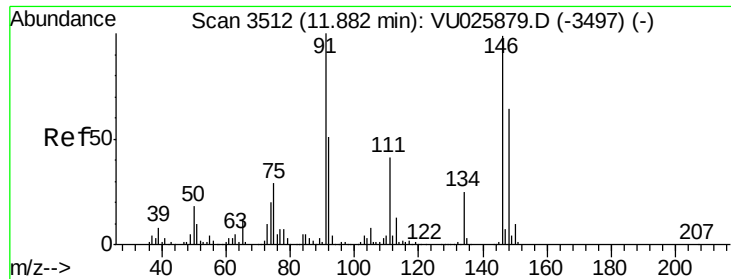
Delta R.T. 0.00 min

Lab File: VU025892.D

Acq: 06 Aug 2018 17:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 32228 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 85.8  | 42.5  | 127.6 |





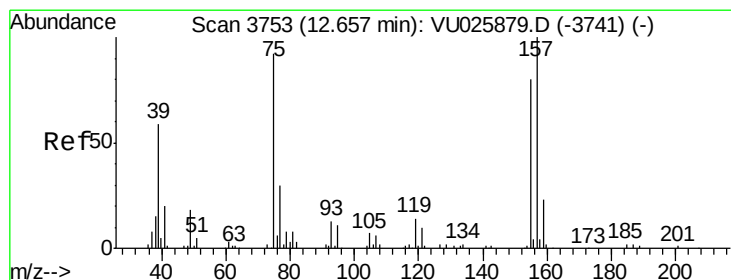
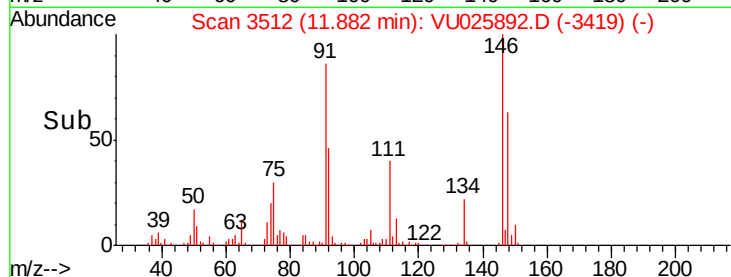
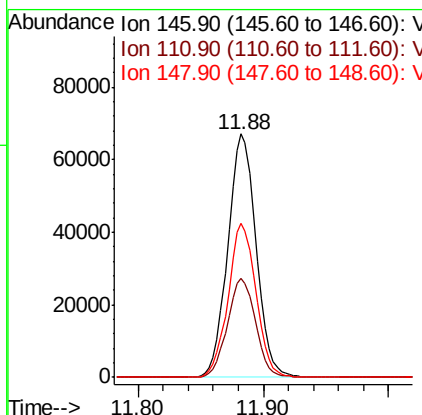
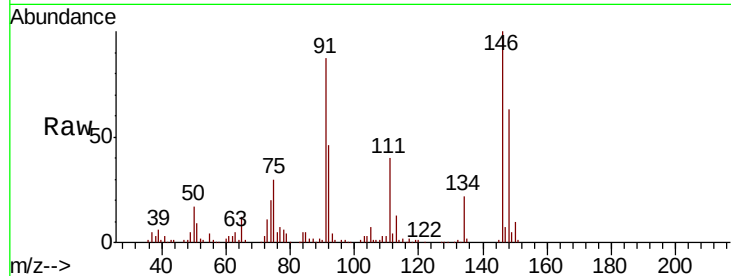
#91  
 1,2-Dichlorobenzene  
 Concen: 20.03 ug/l  
 RT: 11.88 min Scan# 3512  
 Delta R.T. 0.00 min  
 Lab File: VU025892.D  
 Acq: 06 Aug 2018 17:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0806MBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.4  | 20.6  | 61.8  |
| 148     | 62.3  | 31.5  | 94.5  |

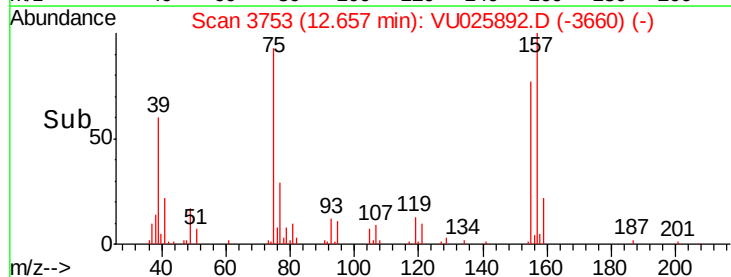
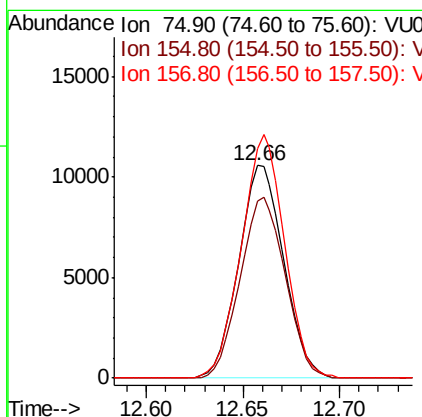
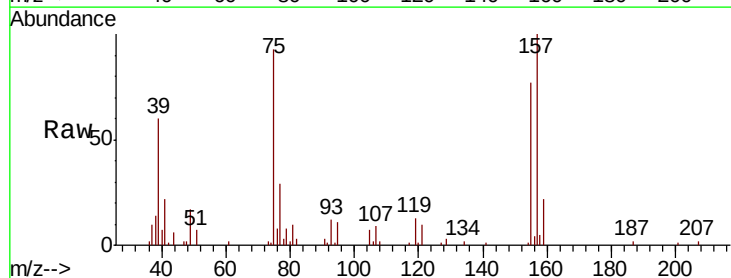
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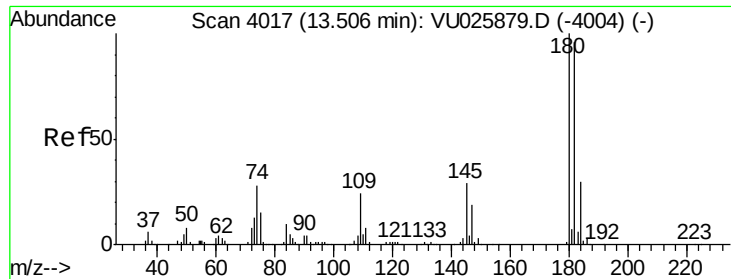
MMDadoda  
 8/7/2018 1:51:38 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.05 ug/l  
 RT: 12.66 min Scan# 3753  
 Delta R.T. 0.00 min  
 Lab File: VU025892.D  
 Acq: 06 Aug 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 85.0  | 44.5  | 133.3 |
| 157     | 110.0 | 57.0  | 170.8 |





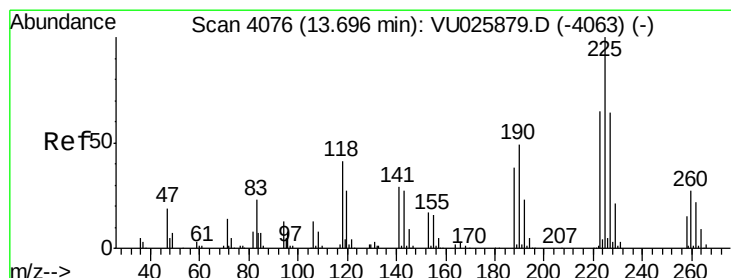
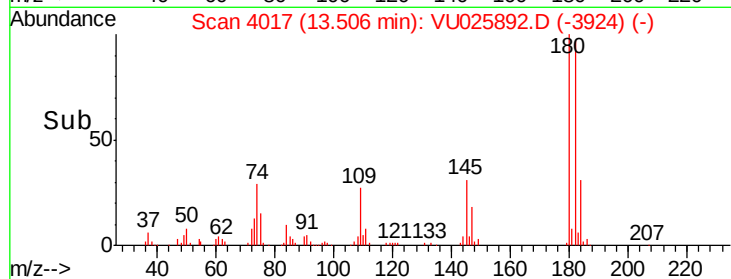
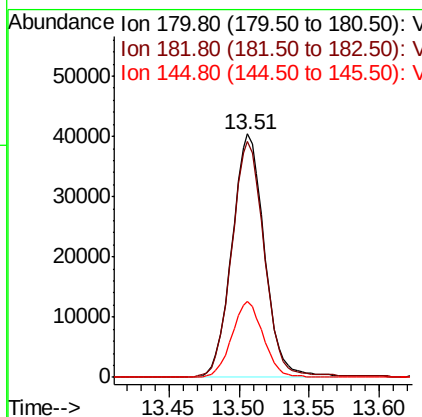
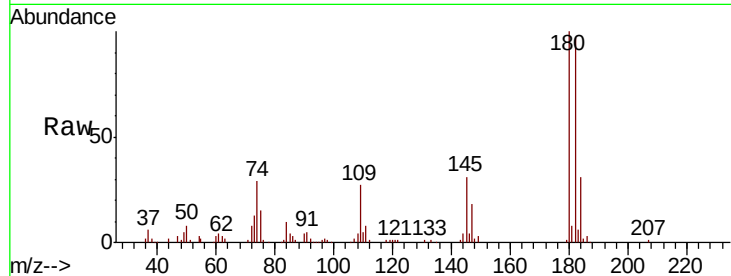
#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.52 ug/l  
 RT: 13.51 min Scan# 4017  
 Delta R.T. 0.00 min  
 Lab File: VU025892.D  
 Acq: 06 Aug 2018 17:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0806MBSD01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 65433 |       |       |
| 182     | 97.5  | 47.3  | 141.9 |       |
| 145     | 30.0  | 14.9  | 44.7  |       |

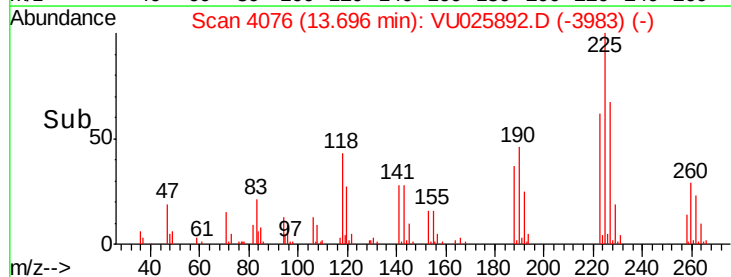
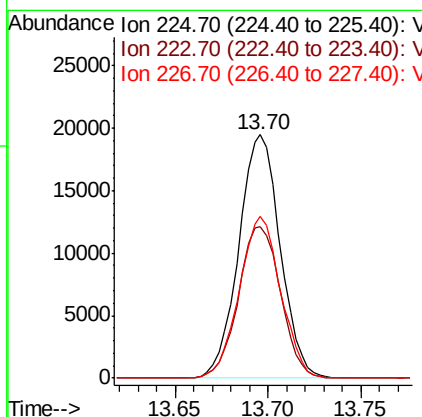
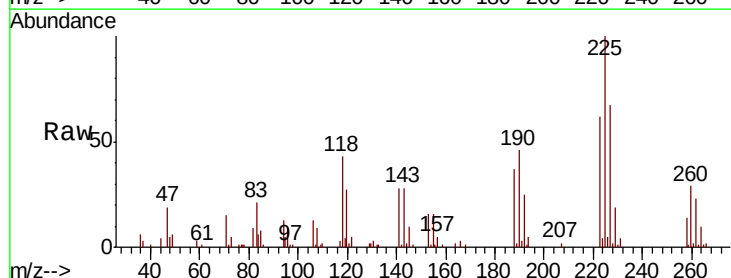
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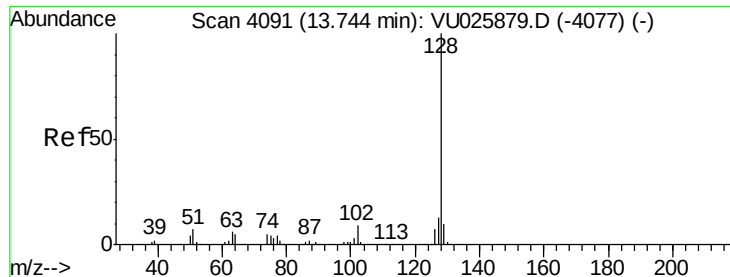
MMDadoda  
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#94  
 Hexachlorobutadiene  
 Concen: 16.18 ug/l  
 RT: 13.70 min Scan# 4076  
 Delta R.T. 0.00 min  
 Lab File: VU025892.D  
 Acq: 06 Aug 2018 17:41

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 30132 |       |       |
| 223     | 63.5  | 31.9  | 95.7  |       |
| 227     | 66.3  | 32.3  | 96.9  |       |





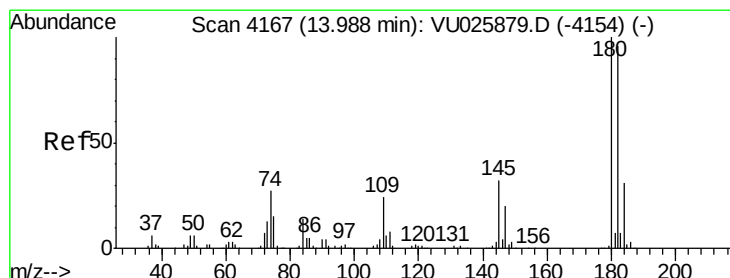
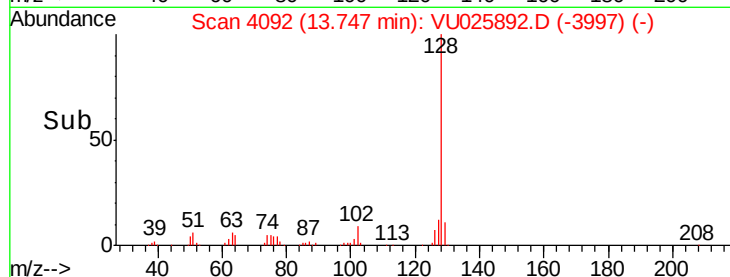
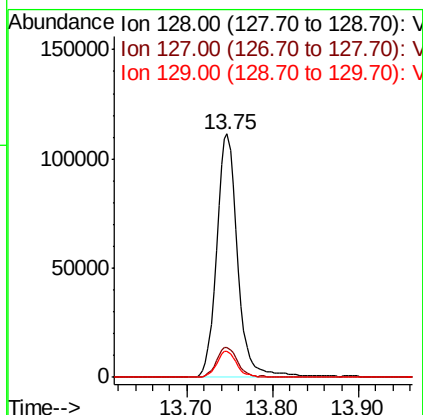
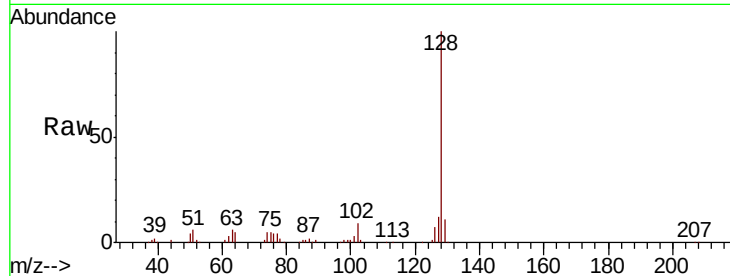
#95  
Naphthalene  
Concen: 17.53 ug/l  
RT: 13.75 min Scan# 4092  
Delta R.T. 0.00 min  
Lab File: VU025892.D  
Acq: 06 Aug 2018 17:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0806MBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 189517 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.6  | 10.5  | 15.7   |
| 129       | 10.1  | 8.3   | 12.5   |

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#96  
1,2,3-Trichlorobenzene  
Concen: 19.19 ug/l  
RT: 13.99 min Scan# 4168  
Delta R.T. 0.00 min  
Lab File: VU025892.D  
Acq: 06 Aug 2018 17:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 67644 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 96.6  | 47.8  | 143.3 |
| 145       | 30.3  | 15.6  | 46.8  |

