

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU061318\  
 Data File : VU024503.D  
 Acq On : 13 Jun 2018 13:05  
 Operator : MD/SY  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
 APPROVED

MMDadoda  
 6/14/2018 9:44:37 AM

Quant Time: Jun 13 13:30:26 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 13 13:15:08 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.99  | 168  | 195580   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 311868   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 299176   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 187056   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 5.31   | 65  | 314073   | 81.11 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 162.22% |      |
| 35) Dibromofluoromethane  | 4.89   | 113 | 254696   | 79.52 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 159.04% |      |
| 50) Toluene-d8            | 7.57   | 98  | 932408   | 77.89 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 155.78% |      |
| 62) 4-Bromofluorobenzene  | 10.31  | 95  | 374746   | 85.90 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 171.80% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 230228  | 77.661  | ug/l | 100    |
| 3) Chloromethane              | 1.33 | 50  | 221992  | 64.265  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.40 | 62  | 242722  | 63.118  | ug/l | 98     |
| 5) Bromomethane               | 1.61 | 94  | 131557  | 62.254  | ug/l | 98     |
| 6) Chloroethane               | 1.69 | 64  | 141311  | 54.323  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 1.88 | 101 | 361651  | 69.255  | ug/l | 99     |
| 8) Diethyl Ether              | 2.10 | 74  | 130767  | 62.638  | ug/l | 87     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.28 | 101 | 222248  | 76.459  | ug/l | 98     |
| 10) Methyl Iodide             | 2.41 | 142 | 217703  | 118.123 | ug/l | 99     |
| 11) Tert butyl alcohol        | 2.83 | 59  | 347956  | 472.998 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.28 | 96  | 211583  | 77.699  | ug/l | 94     |
| 13) Acrolein                  | 2.19 | 56  | 194279  | 253.706 | ug/l | 99     |
| 14) Allyl chloride            | 2.59 | 41  | 385677  | 83.480  | ug/l | 97     |
| 15) Acrylonitrile             | 2.94 | 53  | 736096  | 374.638 | ug/l | 99     |
| 16) Acetone                   | 2.32 | 43  | 793100  | 320.802 | ug/l | 99     |
| 17) Carbon Disulfide          | 2.48 | 76  | 675699  | 80.653  | ug/l | 99     |
| 18) Methyl Acetate            | 2.62 | 43  | 350833  | 71.409  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 3.00 | 73  | 796449  | 93.072  | ug/l | 96     |
| 20) Methylene Chloride        | 2.70 | 84  | 242153  | 71.282  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 2.99 | 96  | 230492  | 78.885  | ug/l | 97     |
| 22) Diisopropyl ether         | 3.57 | 45  | 779368  | 83.721  | ug/l | 98     |
| 23) Vinyl Acetate             | 3.53 | 43  | 3547887 | 518.569 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.45 | 63  | 448293  | 76.915  | ug/l | 99     |
| 25) 2-Butanone                | 4.26 | 43  | 1126583 | 381.082 | ug/l | 97     |
| 26) 2,2-Dichloropropane       | 4.23 | 77  | 418809  | 94.249  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.23 | 96  | 267096  | 84.125  | ug/l | 100    |
| 28) Bromochloromethane        | 4.55 | 49  | 203492  | 95.338  | ug/l | 89     |
| 29) Tetrahydrofuran           | 4.63 | 42  | 672106  | 398.396 | ug/l | 97     |
| 30) Chloroform                | 4.68 | 83  | 452996  | 76.709  | ug/l | 99     |
| 31) Cyclohexane               | 5.00 | 56  | 412430  | 71.355  | ug/l | 96     |
| 32) 1,1,1-Trichloroethane     | 4.92 | 97  | 416490  | 87.688  | ug/l | 96     |
| 36) 1,1-Dichloropropene       | 5.14 | 75  | 344413  | 77.385  | ug/l | 98     |
| 37) Ethyl Acetate             | 4.38 | 43  | 400888  | 80.338  | ug/l | 97     |
| 38) Carbon Tetrachloride      | 5.14 | 117 | 383033  | 90.380  | ug/l | 99     |

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 Operator : MD/SY  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 VSTDICC100

Manual Integrations  
 APPROVED

MMDadoda  
 6/14/2018 9:44:37 AM

Quant Time: Jun 13 13:30:26 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 13 13:15:08 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 6.42  | 83   | 420908   | 87.532   | ug/l   | 95       |
| 40) Benzene                    | 5.39  | 78   | 984314   | 73.376   | ug/l   | 99       |
| 41) Methacrylonitrile          | 4.54  | 41   | 217154   | 77.649   | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 5.41  | 62   | 373948   | 72.787   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 5.55  | 43   | 653324   | 85.966   | ug/l   | 98       |
| 44) Trichloroethene            | 6.19  | 130  | 277256   | 79.323   | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 6.44  | 63   | 263974   | 73.219   | ug/l   | 99       |
| 46) Dibromomethane             | 6.56  | 93   | 187960   | 78.749   | ug/l   | 98       |
| 47) Bromodichloromethane       | 6.76  | 83   | 373188   | 80.815   | ug/l   | 99       |
| 48) Methyl methacrylate        | 6.63  | 41   | 318712   | 85.544   | ug/l   | 98       |
| 49) 1,4-Dioxane                | 6.62  | 88   | 119671   | 1522.509 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 7.46  | 43   | 2051613  | 374.175  | ug/l   | 99       |
| 52) Toluene                    | 7.64  | 92   | 633526   | 79.577   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 7.88  | 75   | 432910   | 90.148   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 7.27  | 75   | 446031   | 85.124   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 8.07  | 97   | 252909   | 74.050   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 8.02  | 69   | 435195   | 97.768   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 8.25  | 76   | 433449   | 73.901   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 7.13  | 63   | 865437   | 378.026  | ug/l   | 96       |
| 59) 2-Hexanone                 | 8.36  | 43   | 1683447  | 383.759  | ug/l   | 99       |
| 60) Dibromochloromethane       | 8.48  | 129  | 316738   | 91.399   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 8.59  | 107  | 284733   | 79.708   | ug/l   | 99       |
| 64) Tetrachloroethene          | 8.23  | 164  | 265873   | 89.396   | ug/l   | 99       |
| 65) Chlorobenzene              | 9.12  | 112  | 717250   | 82.382   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 268812   | 89.951   | ug/l   | 97       |
| 67) Ethyl Benzene              | 9.25  | 91   | 1237463  | 88.151   | ug/l   | 97       |
| 68) m/p-Xylenes                | 9.38  | 106  | 964415   | 180.350  | ug/l   | 97       |
| 69) o-Xylene                   | 9.78  | 106  | 477305   | 96.835   | ug/l   | 94       |
| 70) Styrene                    | 9.80  | 104  | 796335   | 94.886   | ug/l   | 98       |
| 71) Bromoform                  | 9.96  | 173  | 263429   | 102.130  | ug/l # | 100      |
| 73) Isopropylbenzene           | 10.17 | 105  | 1268995  | 98.404   | ug/l   | 98       |
| 74) N-amyl acetate             | 10.01 | 43   | 626772   | 107.377  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 428904   | 76.682   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 10.50 | 75   | 375638m  | 95.743   | ug/l   |          |
| 77) Bromobenzene               | 10.45 | 156  | 325578   | 91.176   | ug/l   | 97       |
| 78) n-propylbenzene            | 10.59 | 91   | 1511726  | 94.554   | ug/l   | 97       |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 882619   | 90.950   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 10.78 | 105  | 1097973  | 100.398  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 10.51 | 75   | 171741m  | 92.863   | ug/l   |          |
| 82) 4-Chlorotoluene            | 10.78 | 91   | 1042536  | 92.598   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.10 | 119  | 1063086  | 99.861   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 1139797  | 103.137  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.33 | 105  | 1350654  | 101.053  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 11.48 | 119  | 1209844  | 102.422  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 11.42 | 146  | 621206   | 90.511   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 11.51 | 146  | 624804   | 86.965   | ug/l   | 99       |
| 89) n-Butylbenzene             | 11.89 | 91   | 1120305  | 96.387   | ug/l   | 97       |
| 90) Hexachloroethane           | 12.15 | 117  | 234761   | 110.861  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 11.88 | 146  | 609339   | 88.786   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 125520   | 109.941  | ug/l   | 95       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU061318\  
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Operator : MD/SY  
Sample : VSTDICC100  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC100

Manual Integrations  
APPROVED

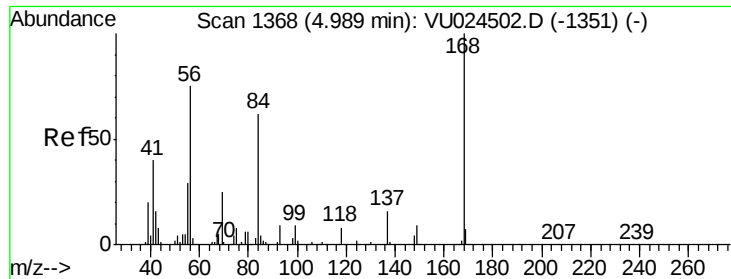
MMDadoda  
6/14/2018 9:44:37 AM

Quant Time: Jun 13 13:30:26 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 13 13:15:08 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|-------|------|----------|---------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.51 | 180  | 441586   | 108.928 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.70 | 225  | 219655   | 91.217  | ug/l  | 98       |
| 95) Naphthalene            | 13.74 | 128  | 1363320  | 122.987 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 13.99 | 180  | 440487   | 107.529 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC100

Tgt Ion:168 Resp: 195580

Ion Ratio Lower Upper

168 100

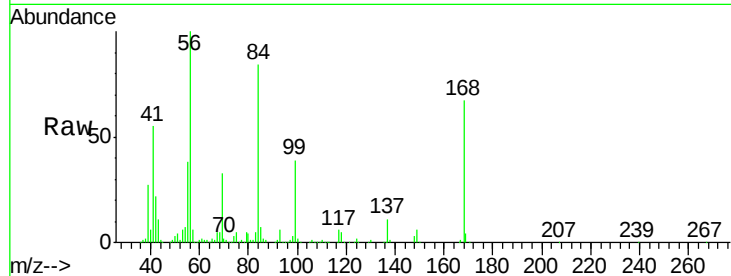
99 57.9 43.2 64.8

Manual Integrations

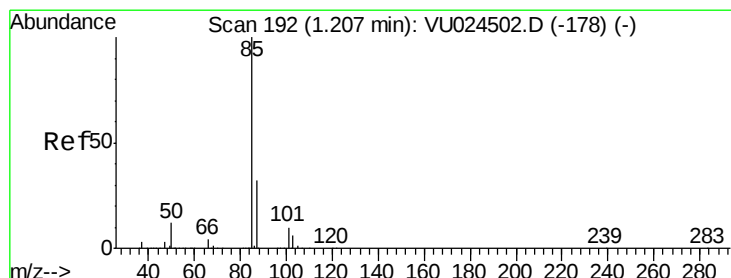
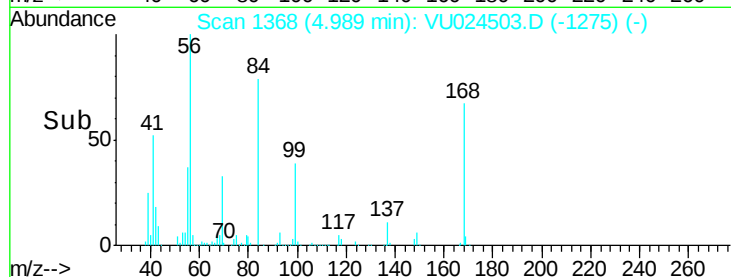
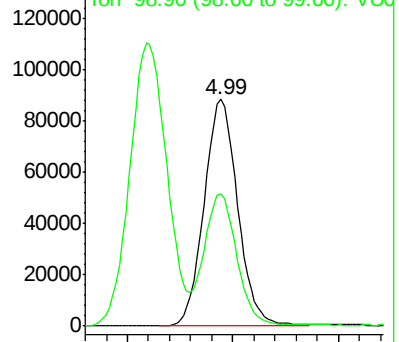
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6/14/2018 9:44:37 AM



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)



#2

Dichlorodifluoromethane

Concen: 77.661 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024503.D

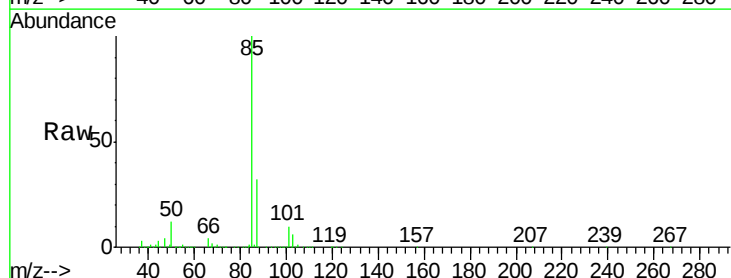
Acq: 13 Jun 2018 13:05

Tgt Ion: 85 Resp: 230228

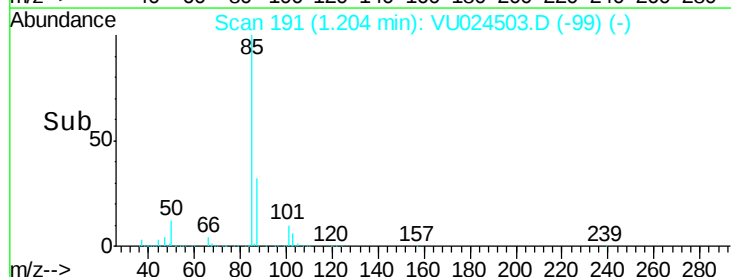
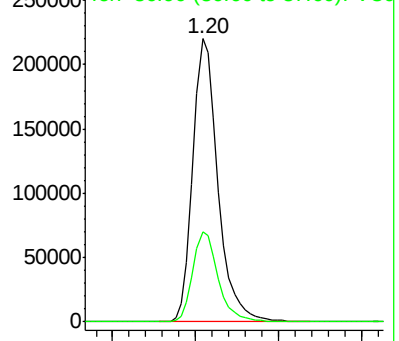
Ion Ratio Lower Upper

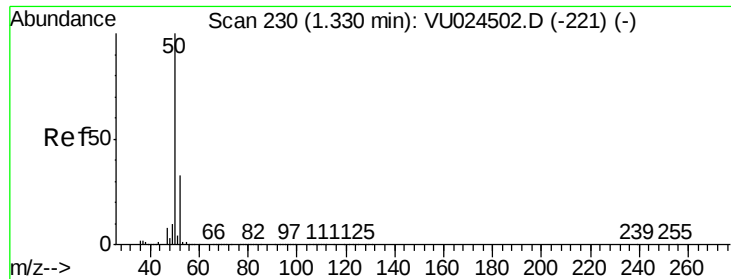
85 100

87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)





#3

Chloromethane

Concen: 64.265 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC100

Tgt Ion: 50 Resp: 221992

Ion Ratio Lower Upper

50 100

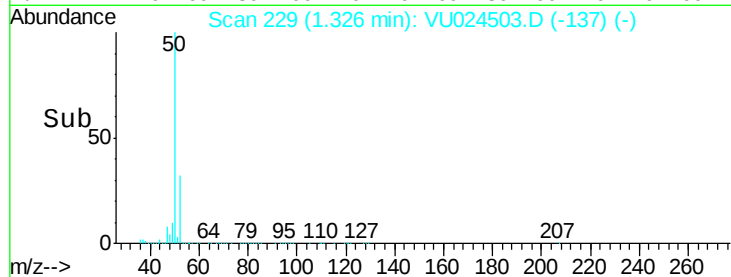
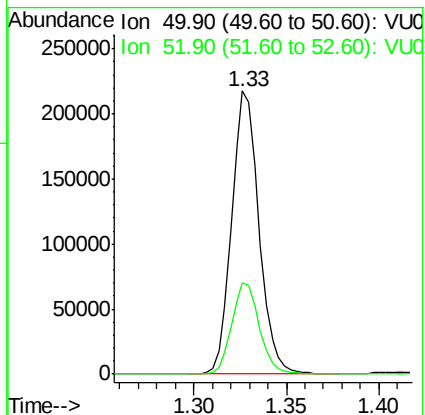
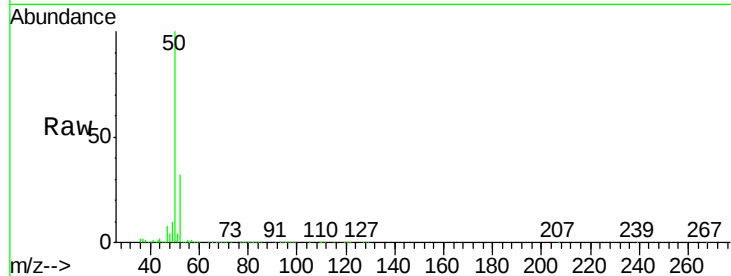
52 32.4 26.4 39.6

Manual Integrations

APPROVED

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6/14/2018 9:44:37 AM



#4

Vinyl Chloride

Concen: 63.118 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024503.D

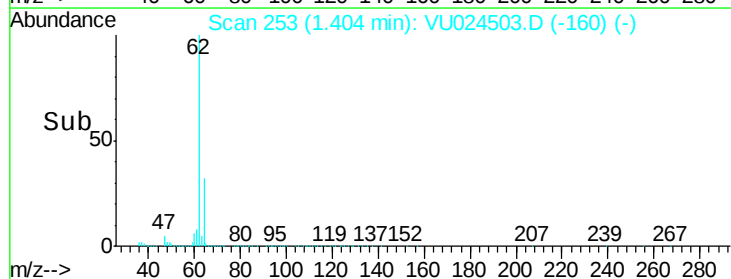
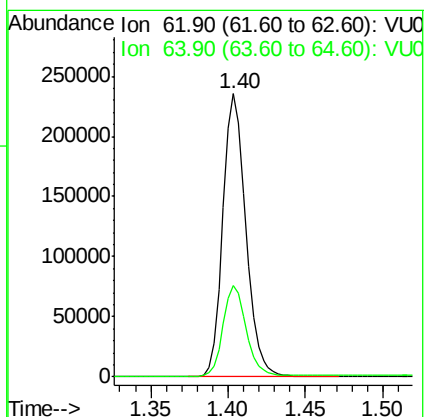
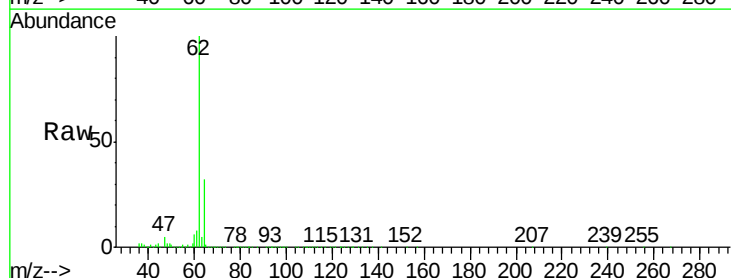
Acq: 13 Jun 2018 13:05

Tgt Ion: 62 Resp: 242722

Ion Ratio Lower Upper

62 100

64 32.1 24.8 37.2





#5

Bromomethane

Concen: 62.254 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.01 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC100

Tgt Ion: 94 Resp: 131557

Ion Ratio Lower Upper

94 100

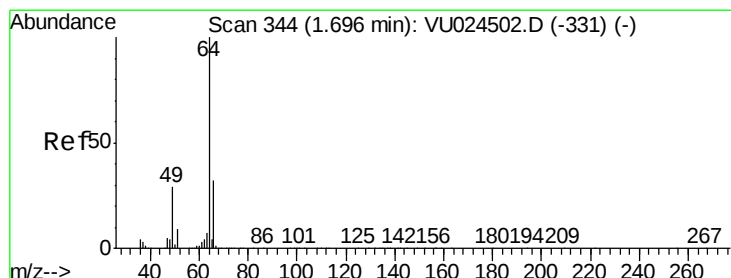
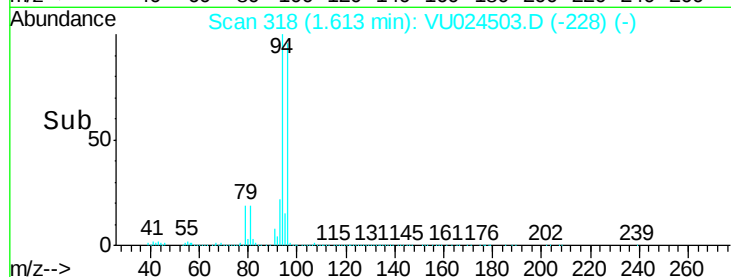
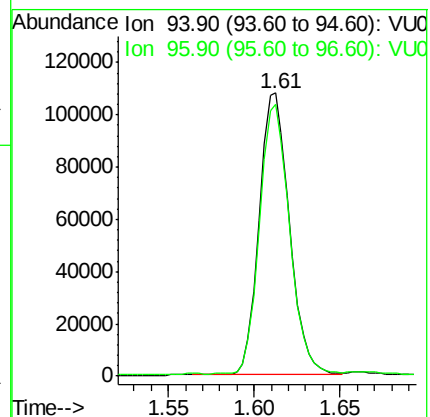
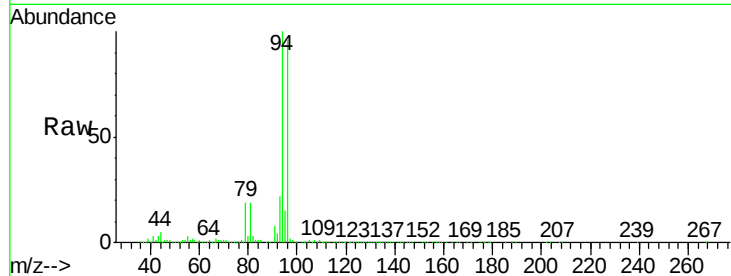
96 95.3 74.5 111.7

Manual Integrations

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MMDadoda

6/14/2018 9:44:37 AM



#6

Chloroethane

Concen: 54.323 ug/l

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU024503.D

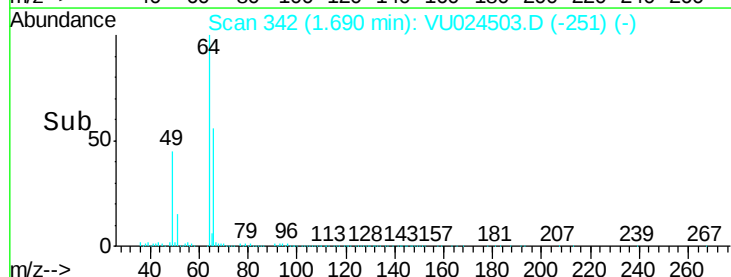
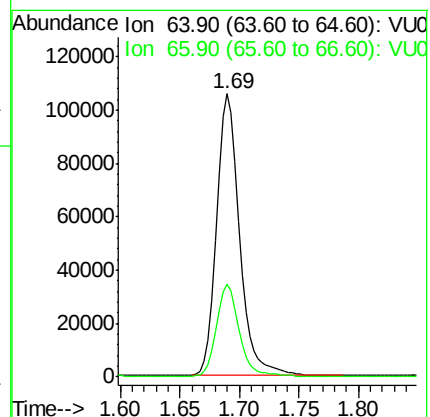
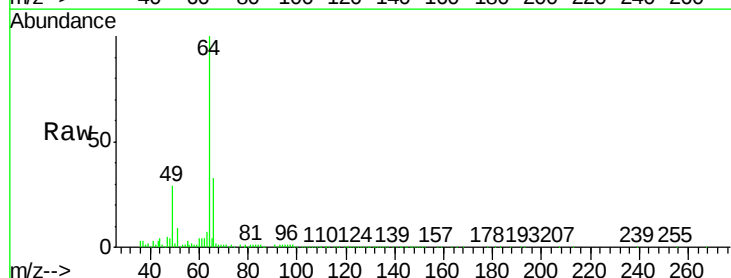
Acq: 13 Jun 2018 13:05

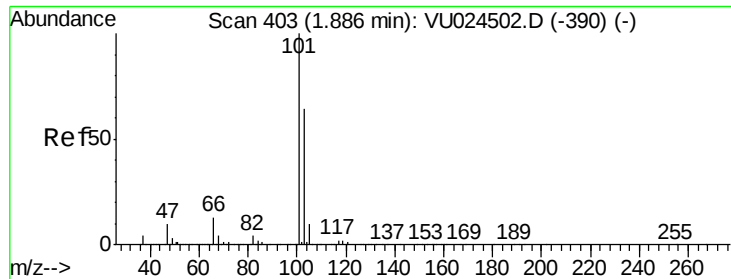
Tgt Ion: 64 Resp: 141311

Ion Ratio Lower Upper

64 100

66 32.5 25.5 38.3





#7

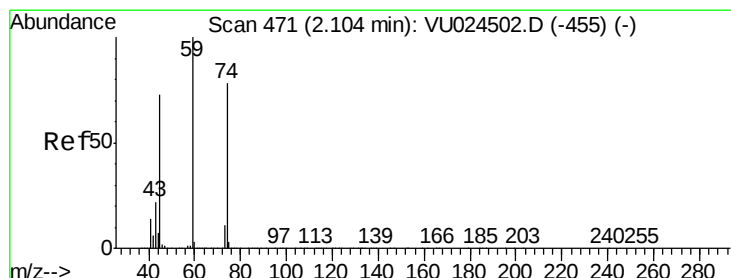
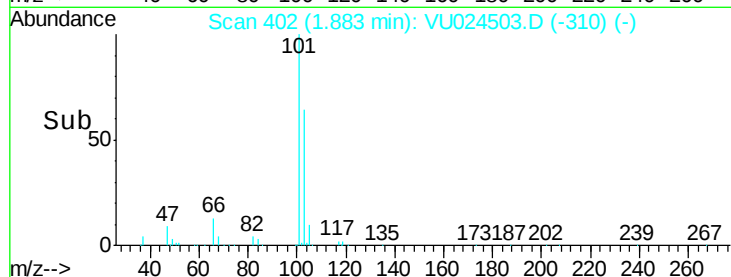
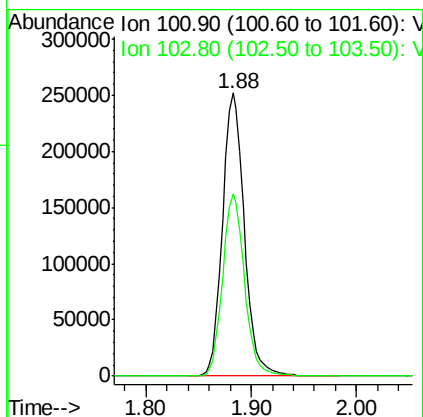
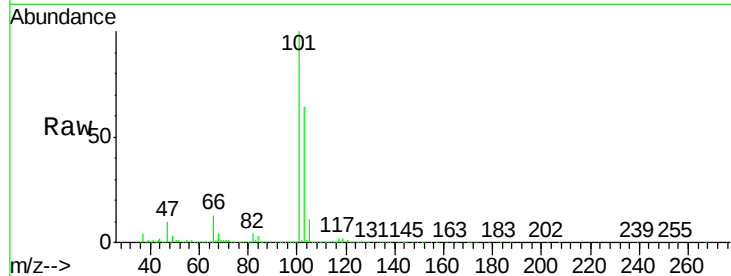
Trichlorofluoromethane  
Concen: 69.255 ug/l  
RT: 1.88 min Scan# 402  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC100

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 361651 |       |       |
| 103     | 64.4  | 52.3   | 78.5  |       |

Manual Integrations  
APPROVED

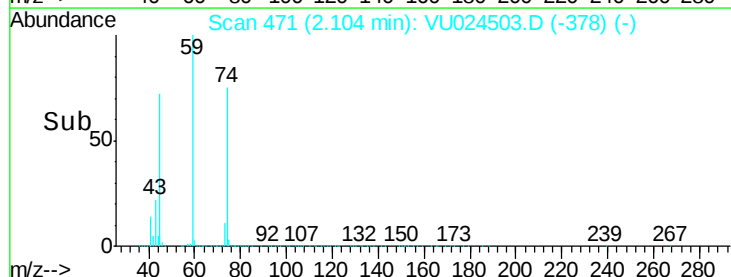
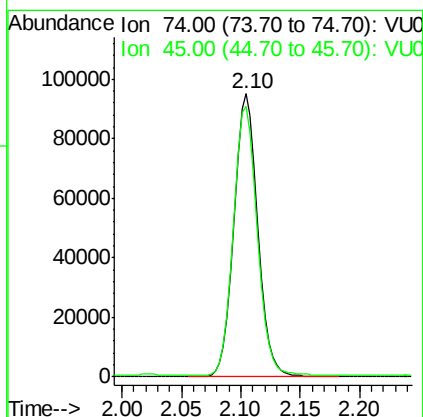
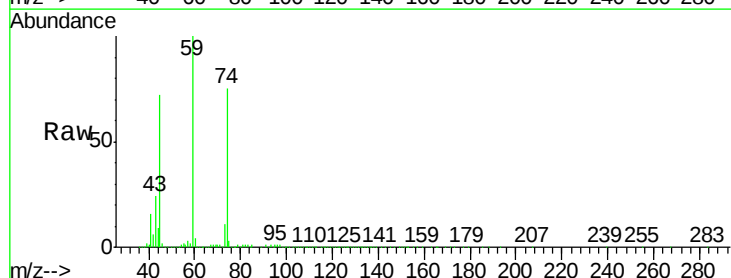
MMDadoda  
6/14/2018 9:44:37 AM

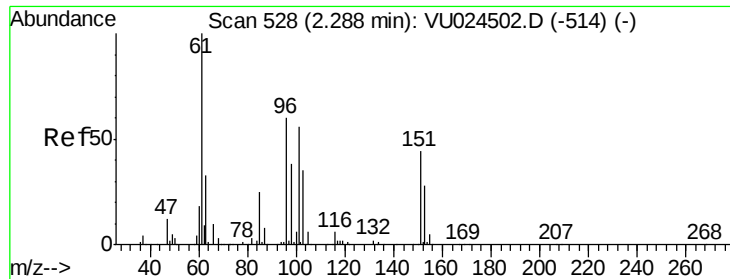


#8

Diethyl Ether  
Concen: 62.638 ug/l  
RT: 2.10 min Scan# 471  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 74      | 100   | 130767 |       |       |
| 45      | 96.2  | 55.0   | 165.0 |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 76.459 ug/l

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

Instrument :

MSVOA\_U

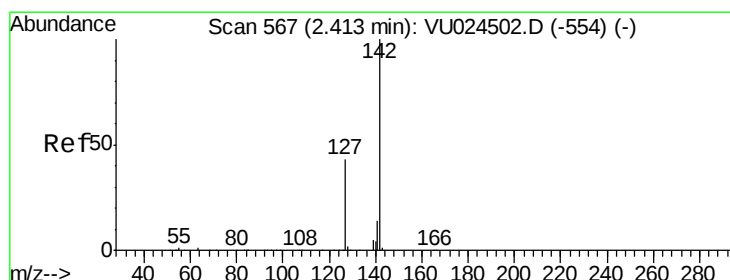
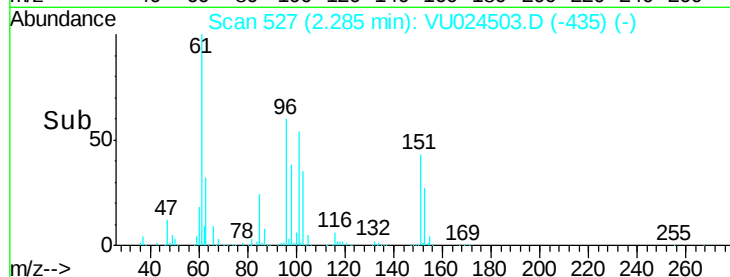
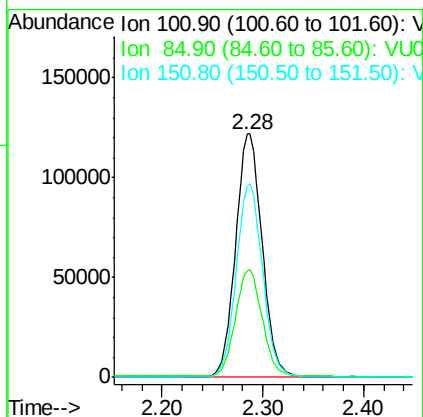
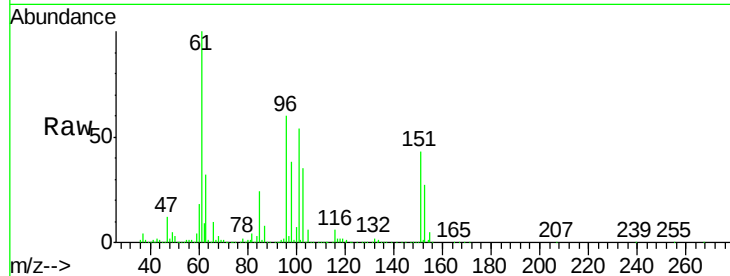
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 101   | Resp: | 222248 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 44.0  | 36.0  | 54.0   |
| 151       | 79.3  | 62.3  | 93.5   |

Manual Integrations  
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6/14/2018 9:44:37 AM



#10

Methyl Iodide

Concen: 118.123 ug/l

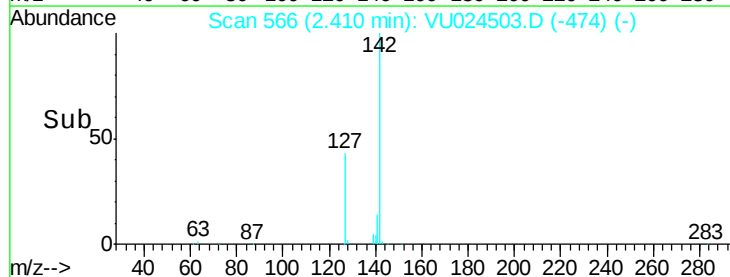
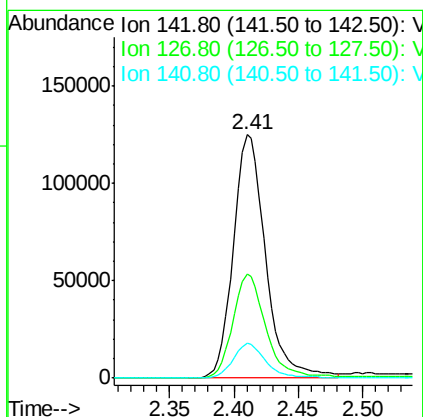
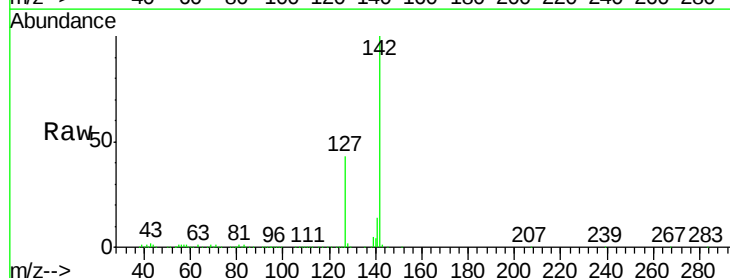
RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 217703 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 43.8  | 35.6  | 53.4   |
| 141       | 14.5  | 11.7  | 17.5   |





#11

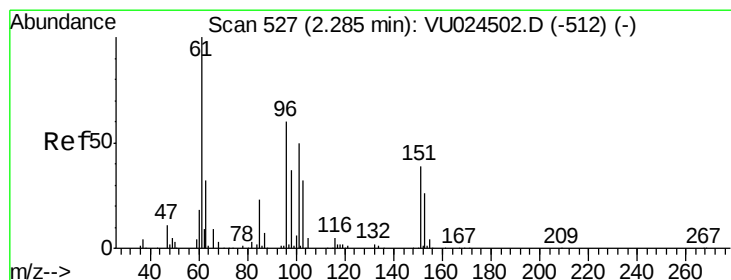
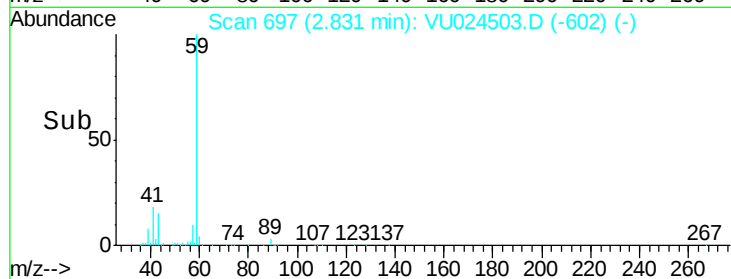
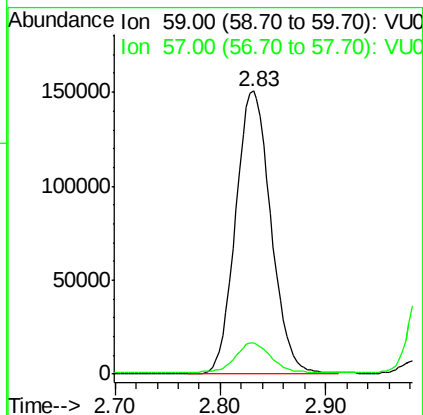
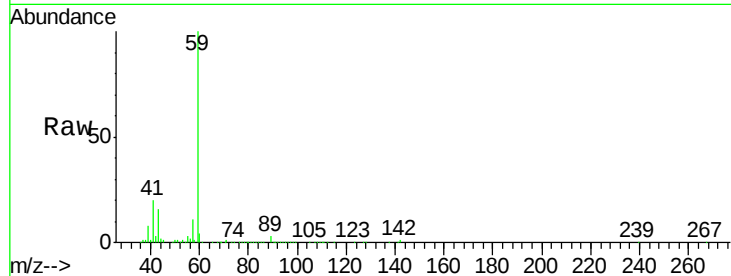
Tert butyl alcohol  
 Concen: 472.998 ug/l  
 RT: 2.83 min Scan# 697  
 Delta R.T. 0.01 min  
 Lab File: VU024503.D  
 Acq: 13 Jun 2018 13:05

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC100

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.1  | 8.5   | 12.7  |

Manual Integrations  
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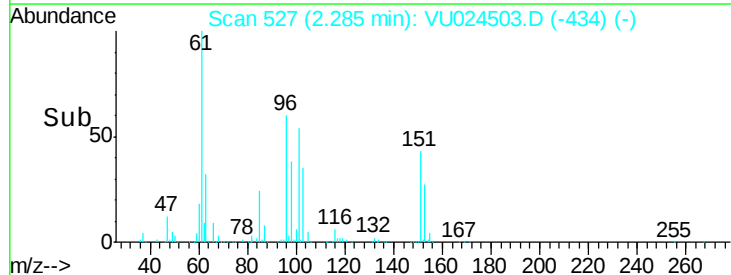
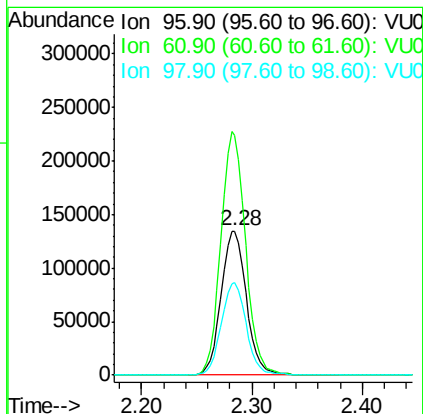
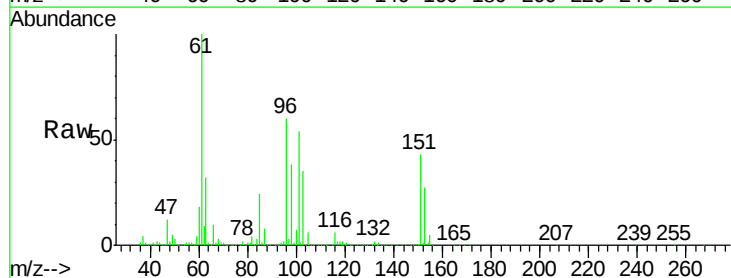
MMDadoda  
 6/14/2018 9:44:37 AM

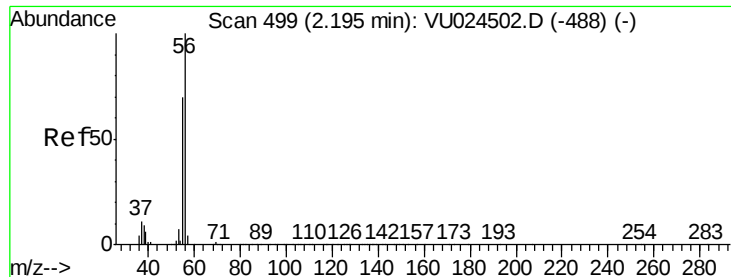


#12

1,1-Dichloroethene  
 Concen: 77.699 ug/l  
 RT: 2.28 min Scan# 527  
 Delta R.T. -0.00 min  
 Lab File: VU024503.D  
 Acq: 13 Jun 2018 13:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 166.9 | 141.7 | 212.5 |
| 98      | 63.9  | 51.6  | 77.4  |





#13

Acrolein

Concen: 253.706 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 194279

Ion Ratio Lower Upper

56 100

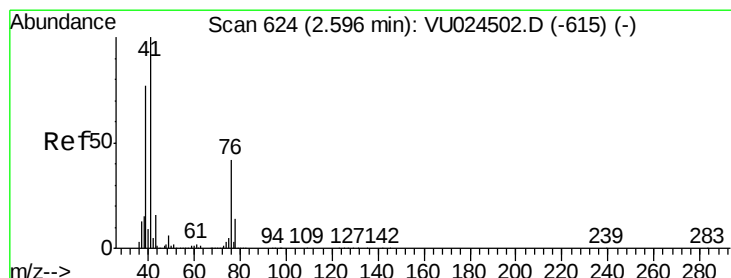
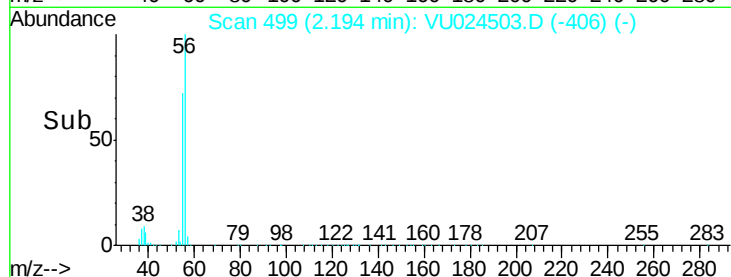
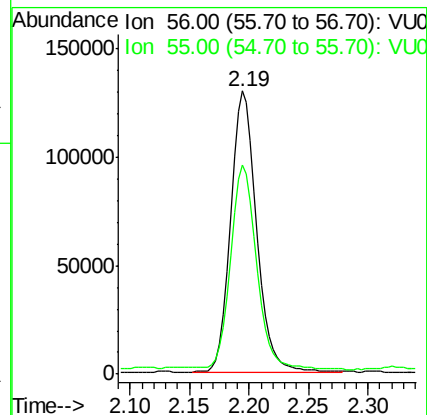
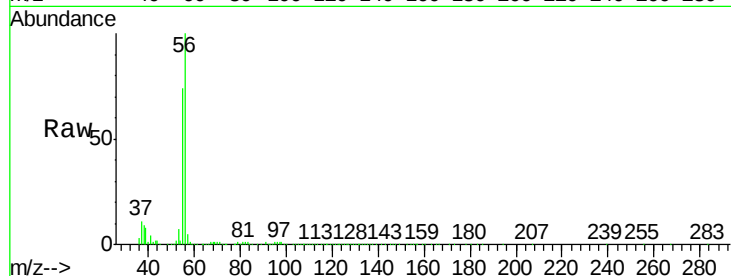
55 72.3 58.4 87.6

Manual Integrations

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MMDadoda

6/14/2018 9:44:37 AM



#14

Allyl chloride

Concen: 83.480 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

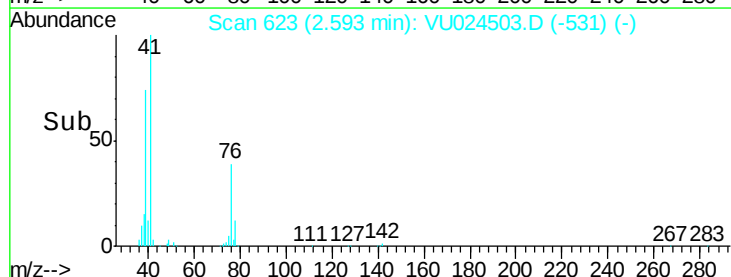
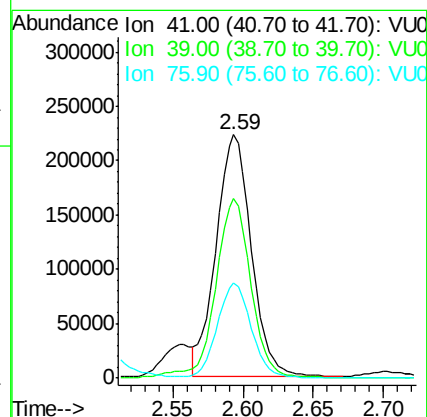
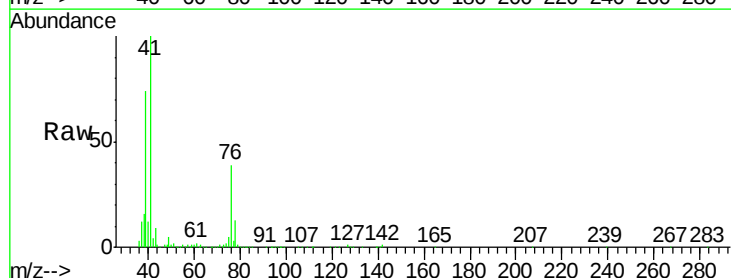
Tgt Ion: 41 Resp: 385677

Ion Ratio Lower Upper

41 100

39 73.6 61.6 92.4

76 37.7 29.7 44.5





#15

Acrylonitrile

Concen: 374.638 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

Instrument :

MSVOA\_U

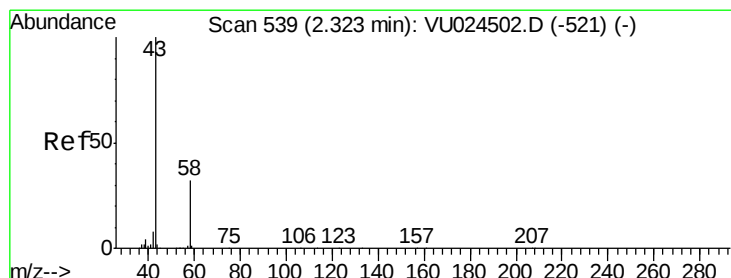
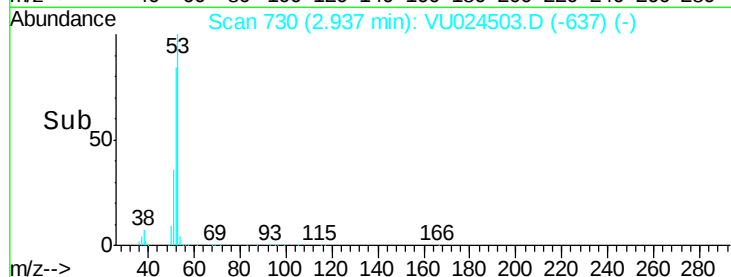
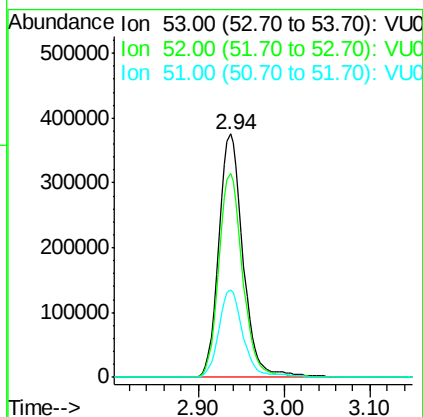
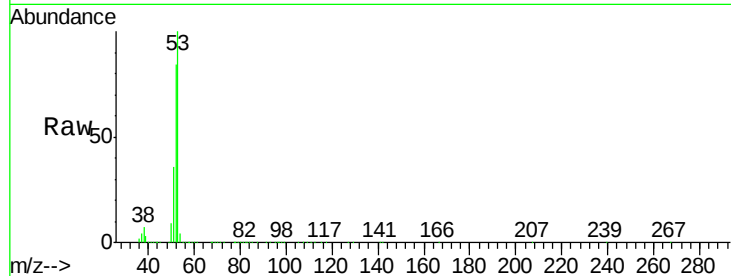
ClientSampleId :

VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 53    | Resp: | 736096 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 83.0  | 67.1  | 100.7  |
| 51       | 36.3  | 28.4  | 42.6   |

Manual Integrations  
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6/14/2018 9:44:37 AM



#16

Acetone

Concen: 320.802 ug/l

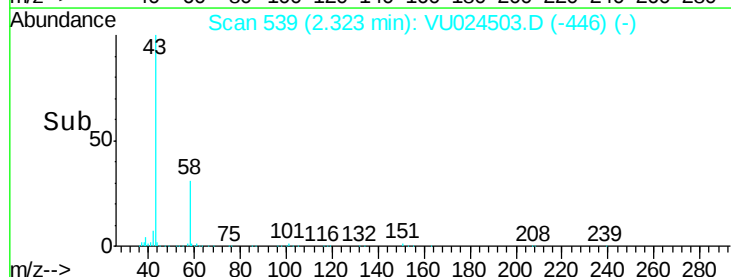
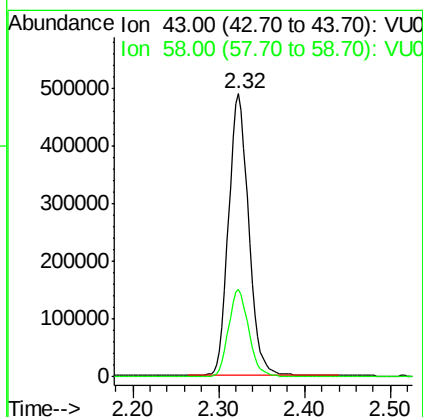
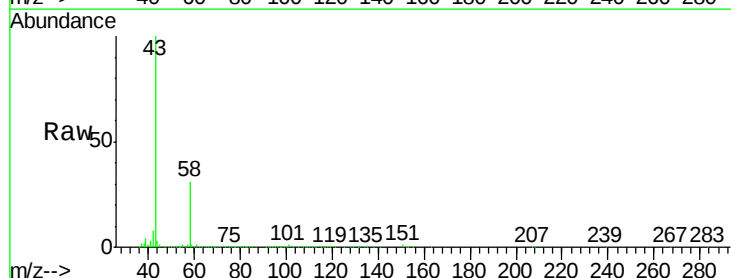
RT: 2.32 min Scan# 539

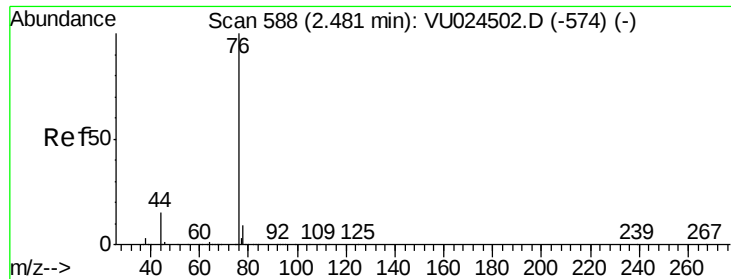
Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 793100 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 30.8  | 24.4  | 36.6   |





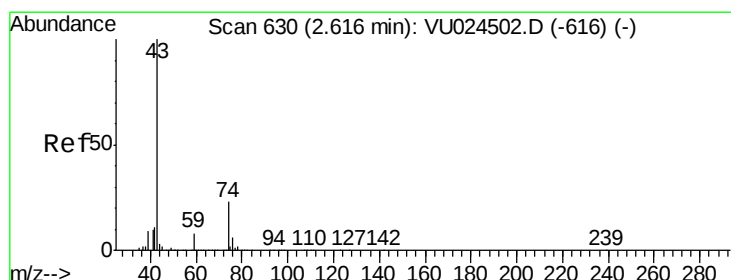
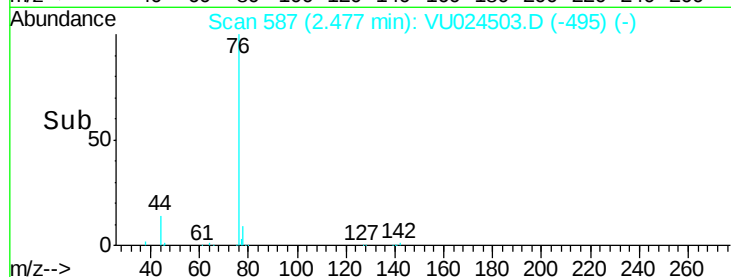
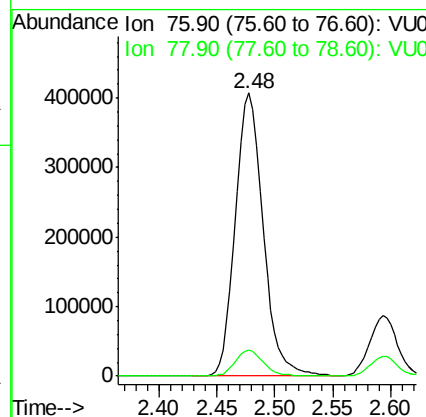
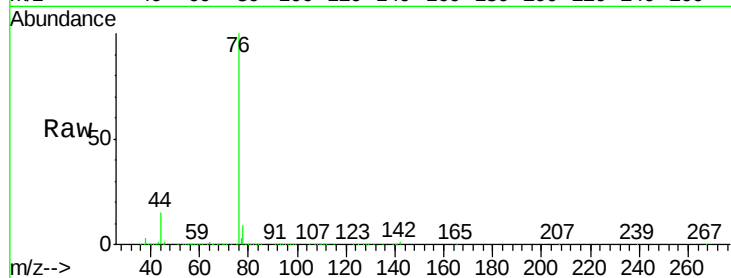
#17  
Carbon Disulfide  
Concen: 80.653 ug/l  
RT: 2.48 min Scan# 587  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC100

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.2   | 7.1   | 10.7  |

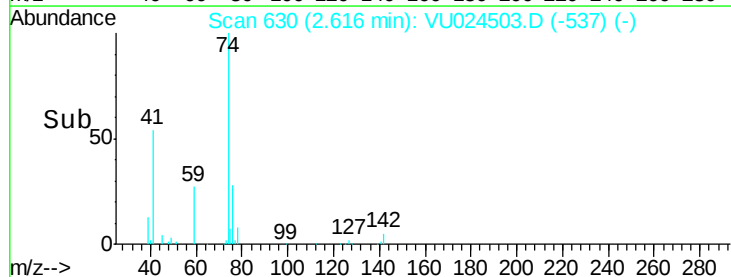
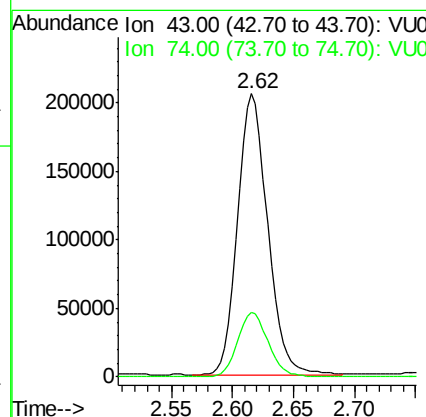
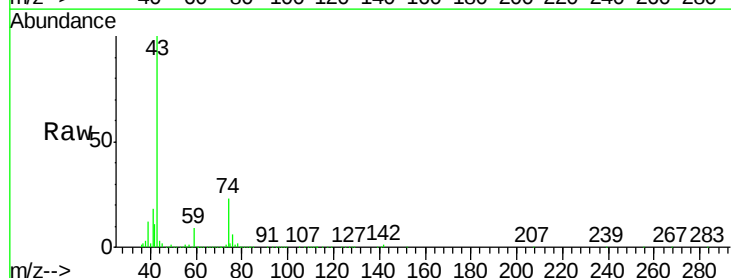
Manual Integrations  
APPROVED

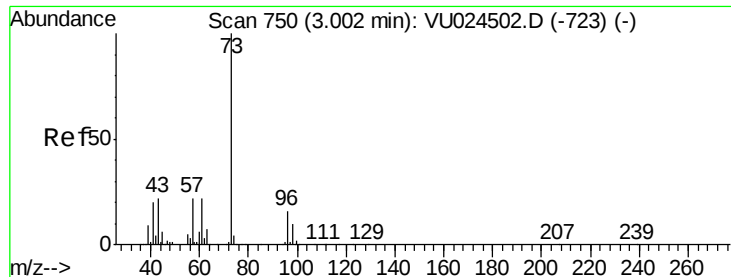
MMDadoda  
6/14/2018 9:44:37 AM



#18  
Methyl Acetate  
Concen: 71.409 ug/l  
RT: 2.62 min Scan# 630  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 23.5  | 18.0  | 27.0  |





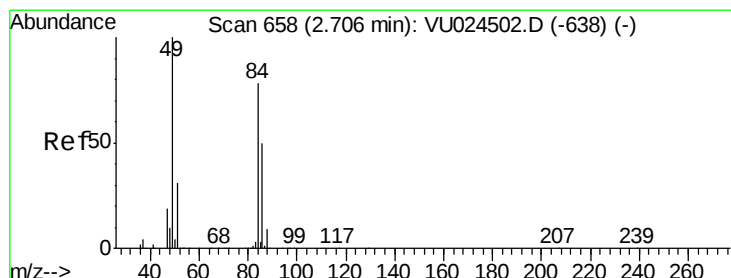
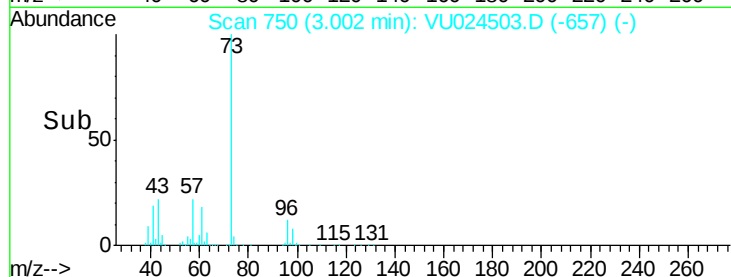
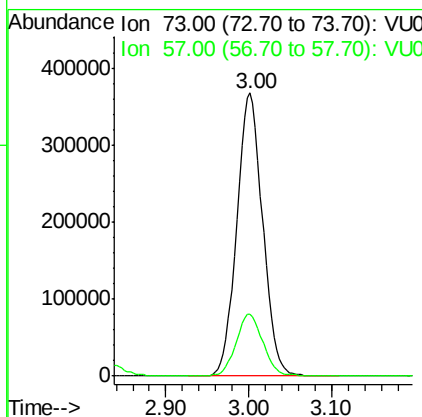
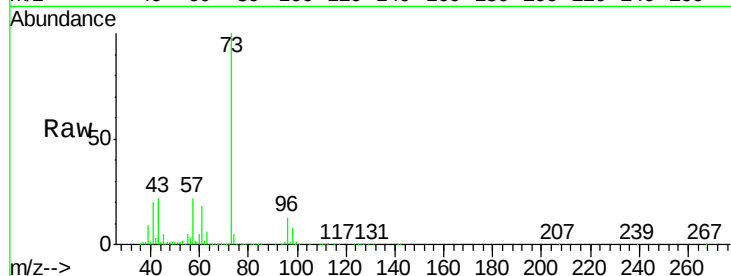
#19  
Methyl tert-butyl Ether  
Concen: 93.072 ug/l  
RT: 3.00 min Scan# 750  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC100

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 21.7  | 18.8  | 28.2  |

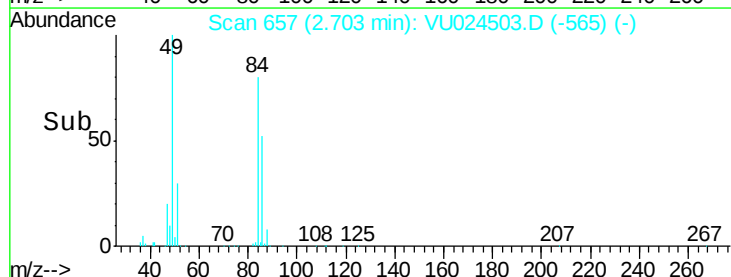
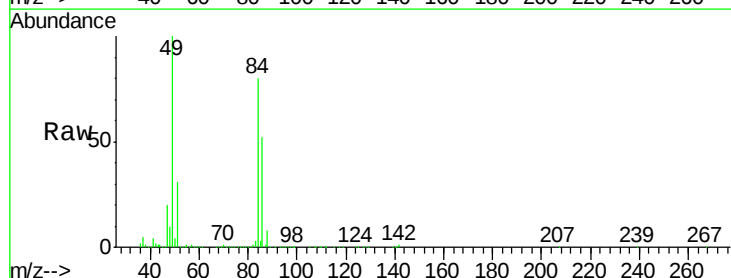
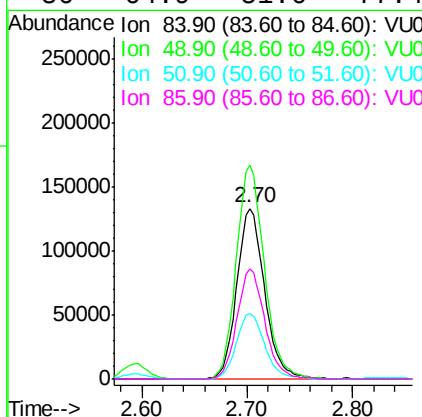
Manual Integrations  
APPROVED

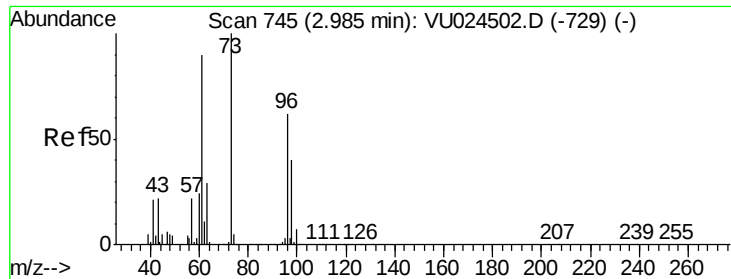
MMDadoda  
6/14/2018 9:44:37 AM



#20  
Methylene Chloride  
Concen: 71.282 ug/l  
RT: 2.70 min Scan# 657  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 125.6 | 103.8 | 155.8 |
| 51      | 38.2  | 32.0  | 48.0  |
| 86      | 64.9  | 51.6  | 77.4  |





#21

trans-1,2-Dichloroethene

Concen: 78.885 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

Instrument :

MSVOA\_U

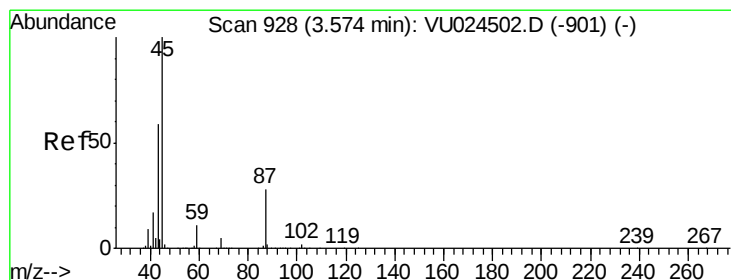
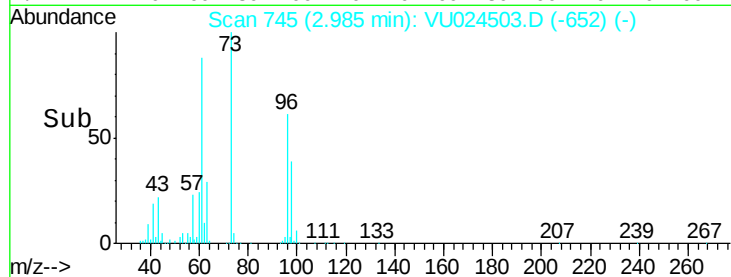
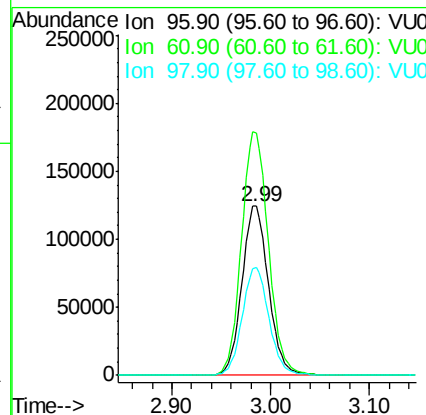
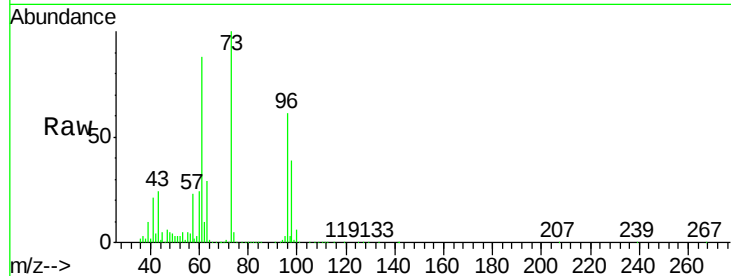
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 96    | Resp: | 230492 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 143.8 | 119.4 | 179.0  |
| 98        | 63.7  | 51.1  | 76.7   |

Manual Integrations  
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MMDadoda  
6/14/2018 9:44:37 AM



#22

Diisopropyl ether

Concen: 83.721 ug/l

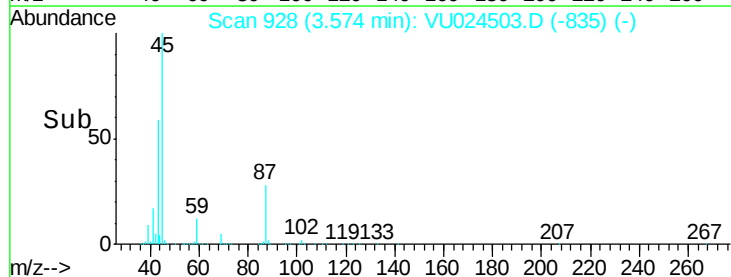
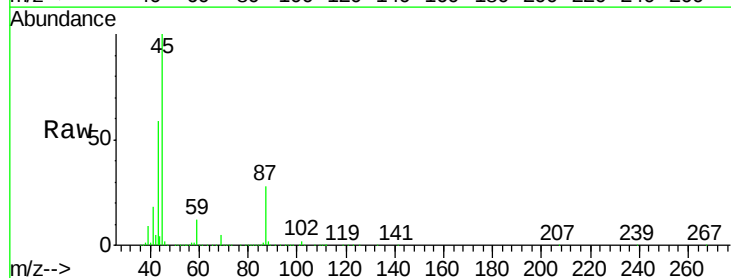
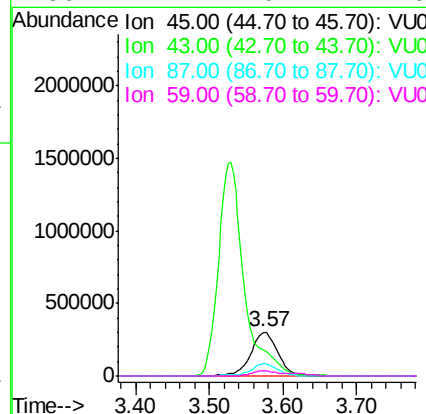
RT: 3.57 min Scan# 928

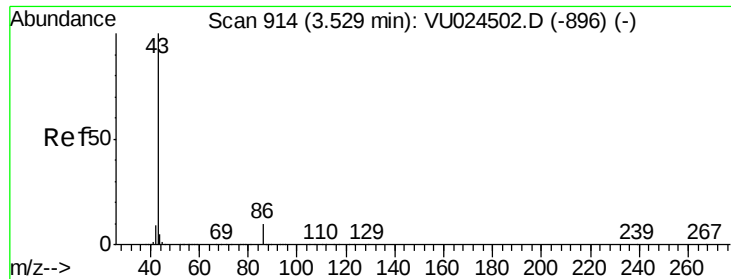
Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 779368 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 43        | 58.6  | 45.8  | 68.6   |
| 87        | 27.6  | 20.6  | 31.0   |
| 59        | 11.7  | 9.4   | 14.0   |





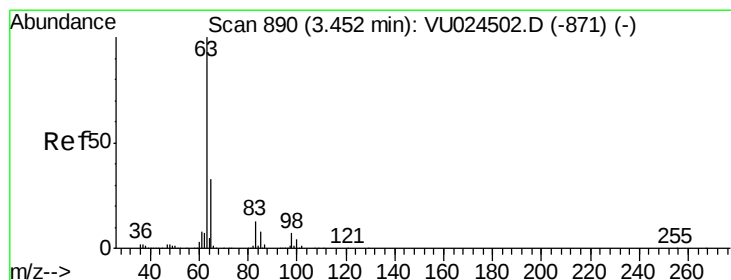
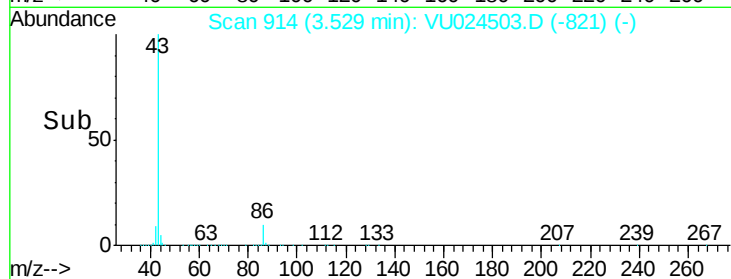
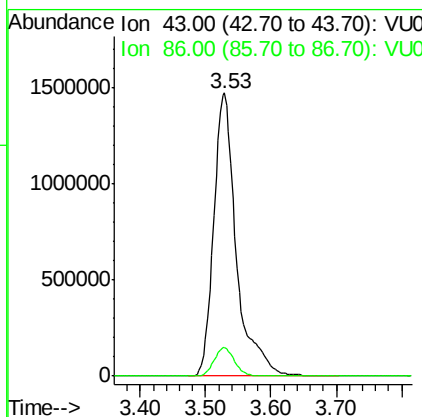
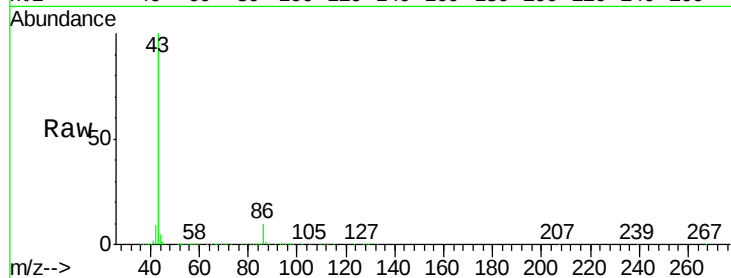
#23  
 Vinyl Acetate  
 Concen: 518.569 ug/l  
 RT: 3.53 min Scan# 914  
 Delta R.T. -0.00 min  
 Lab File: VU024503.D  
 Acq: 13 Jun 2018 13:05

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC100

Tgt Ion: 43 Resp: 3547887  
 Ion Ratio Lower Upper  
 43 100  
 86 10.1 7.8 11.8

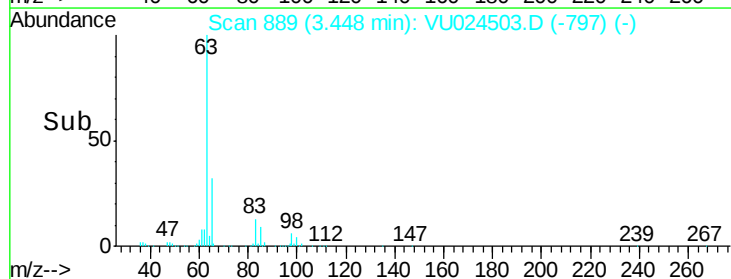
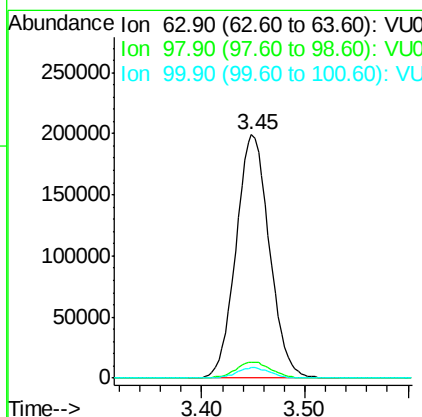
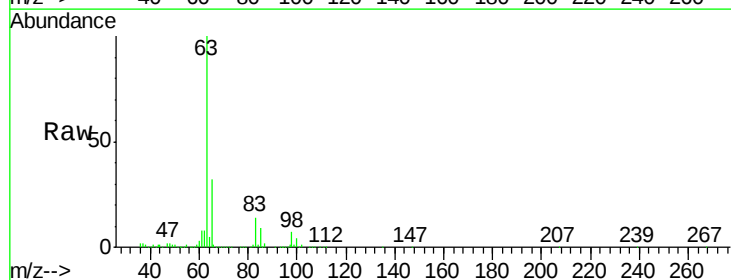
Manual Integrations  
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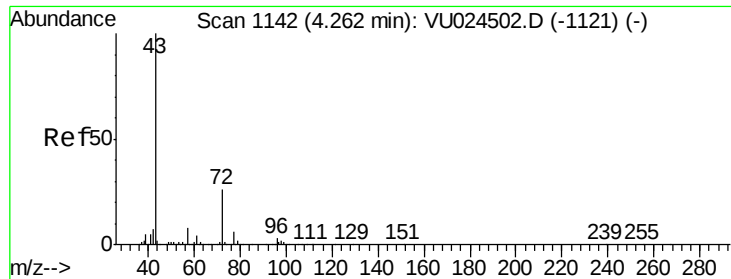
MMDadoda  
 6/14/2018 9:44:37 AM



#24  
 1,1-Dichloroethane  
 Concen: 76.915 ug/l  
 RT: 3.45 min Scan# 889  
 Delta R.T. -0.00 min  
 Lab File: VU024503.D  
 Acq: 13 Jun 2018 13:05

Tgt Ion: 63 Resp: 448293  
 Ion Ratio Lower Upper  
 63 100  
 98 6.5 3.5 10.4  
 100 4.2 1.8 5.5





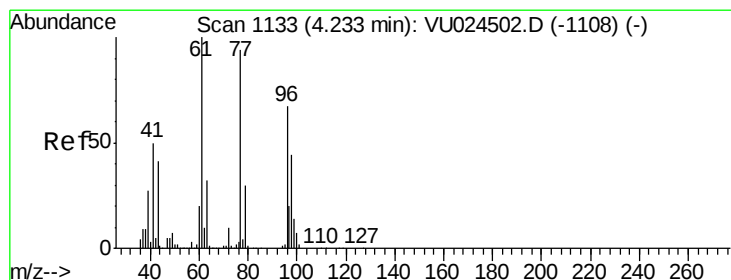
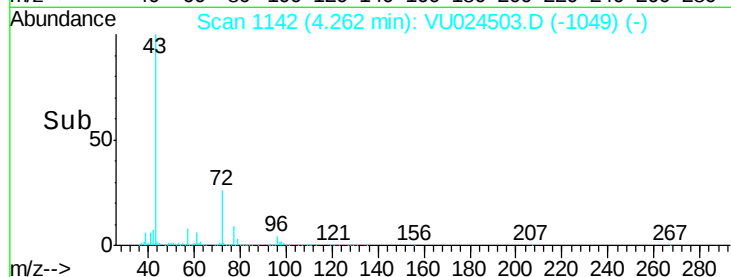
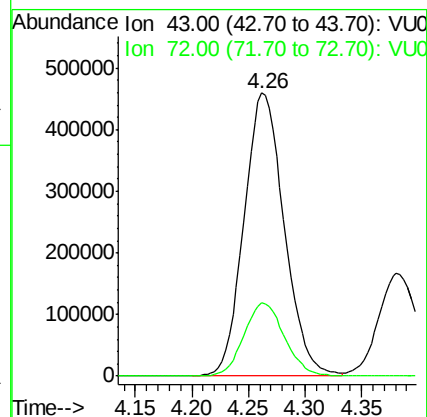
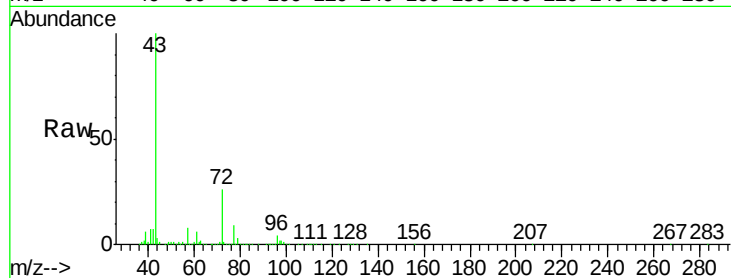
#25  
2-Butanone  
Concen: 381.082 ug/l  
RT: 4.26 min Scan# 1142  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC100

Tgt Ion: 43 Resp: 1126583  
Ion Ratio Lower Upper  
43 100  
72 25.8 19.6 29.4

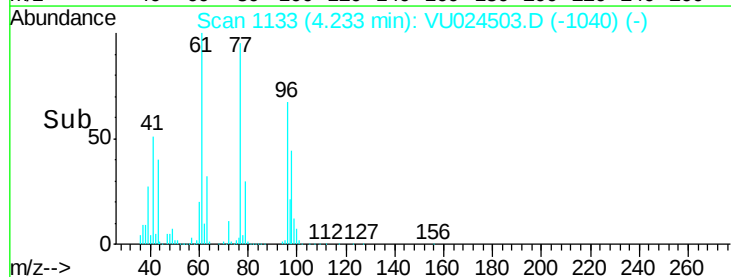
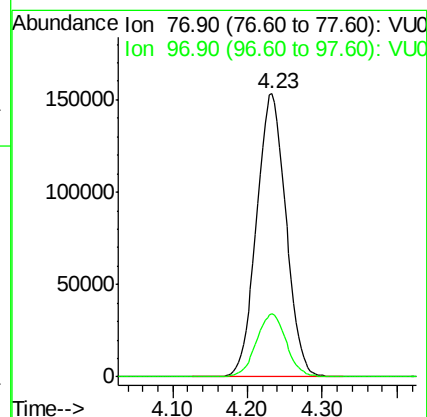
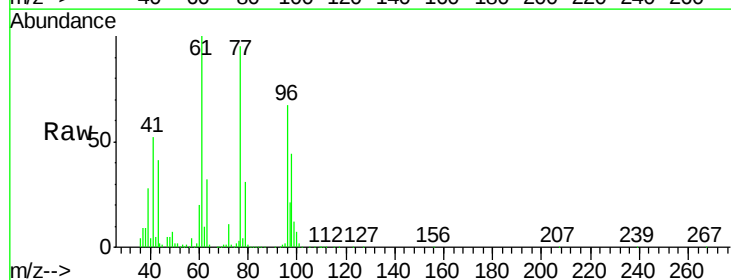
Manual Integrations  
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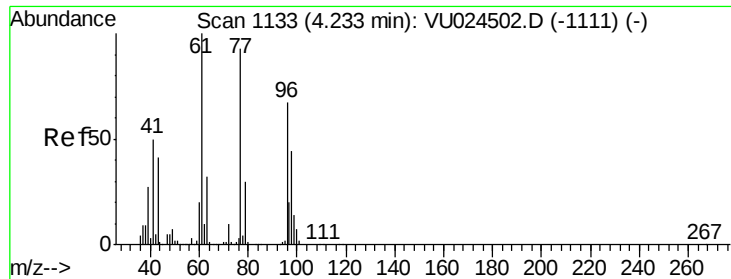
MMDadoda  
6/14/2018 9:44:37 AM



#26  
2,2-Dichloropropane  
Concen: 94.249 ug/l  
RT: 4.23 min Scan# 1133  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

Tgt Ion: 77 Resp: 418809  
Ion Ratio Lower Upper  
77 100  
97 22.1 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 84.125 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

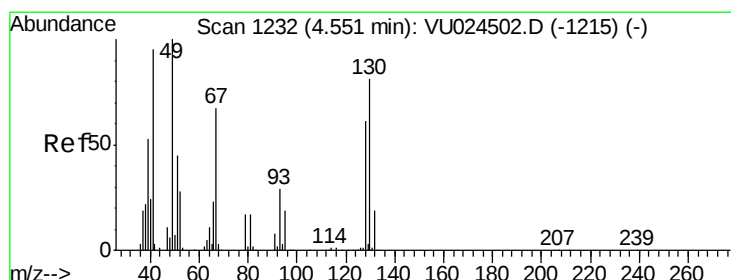
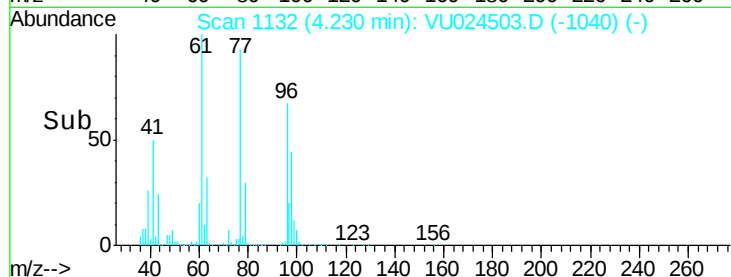
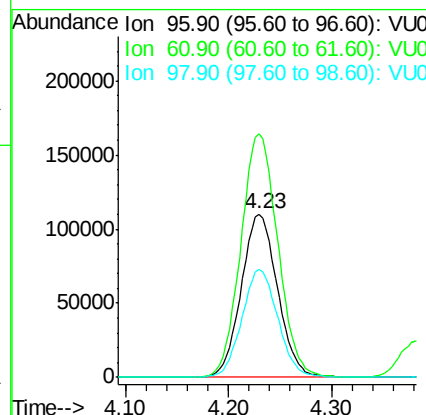
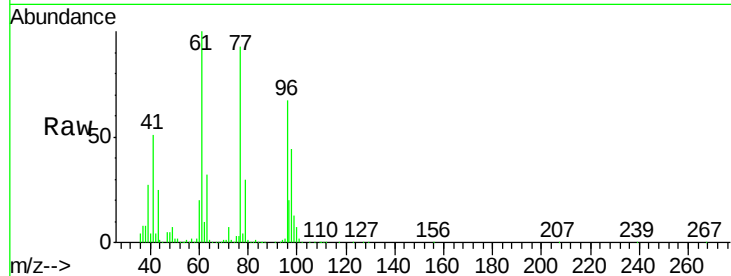
Instrument :  
MSVOA\_U

ClientSampleId :  
VSTDIC100

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 267096 |       |       |
| 61      | 153.6 | 0.0    | 306.6 |       |
| 98      | 65.3  | 0.0    | 128.8 |       |

Manual Integrations  
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#28

Bromochloromethane

Concen: 95.338 ug/l

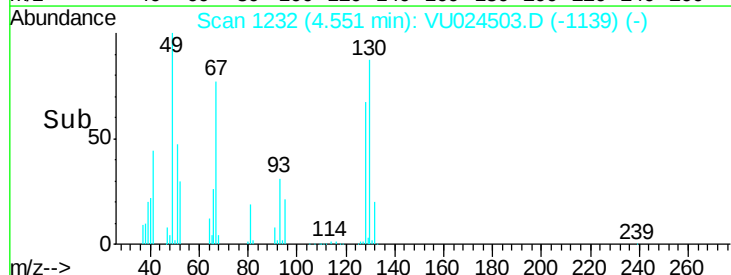
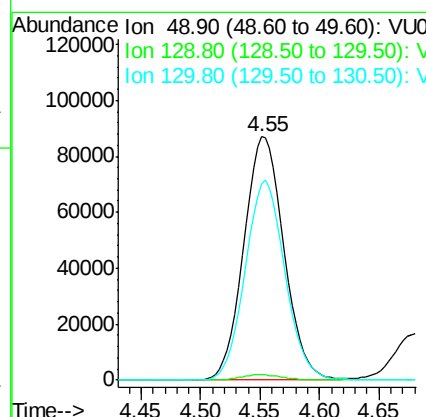
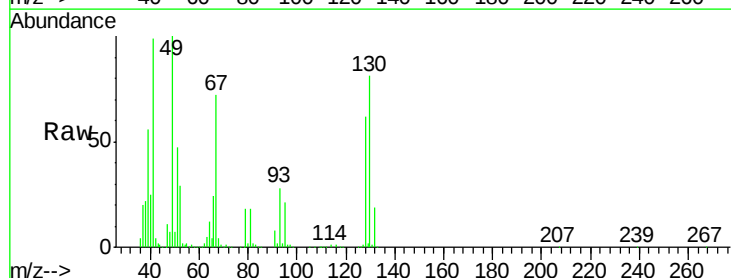
RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 203492 |       |       |
| 129     | 2.4   | 0.0    | 3.8   |       |
| 130     | 81.4  | 57.8   | 86.6  |       |





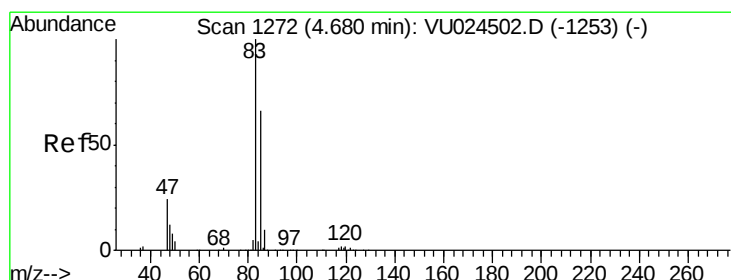
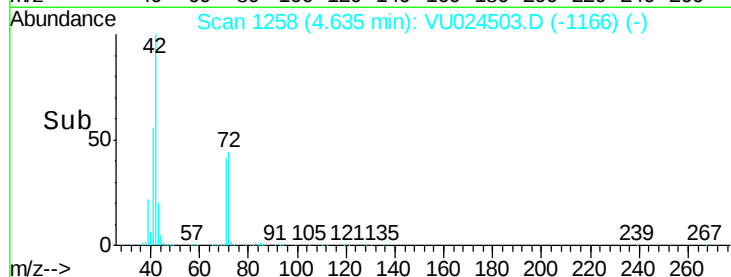
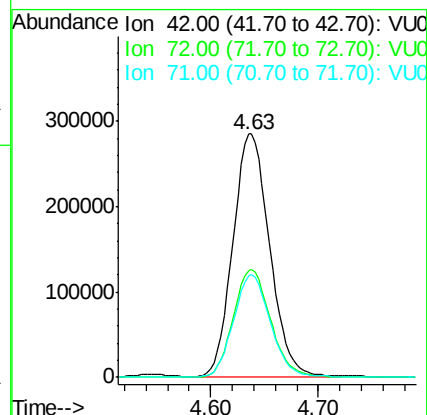
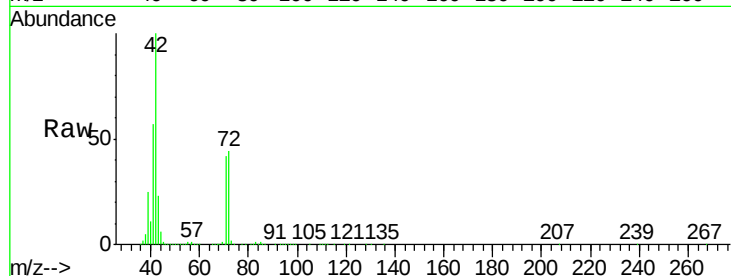
#29  
Tetrahydrofuran  
Concen: 398.396 ug/l  
RT: 4.63 min Scan# 1258  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC100

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 45.3  | 34.5  | 51.7  |
| 71      | 42.2  | 32.2  | 48.4  |

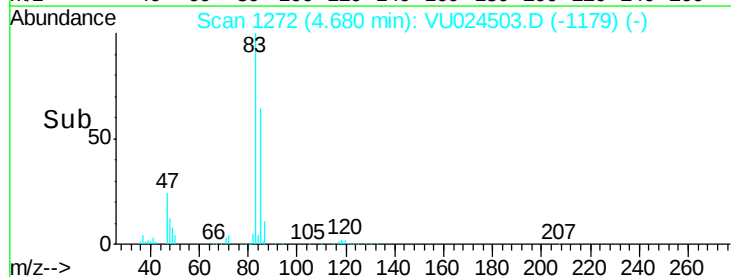
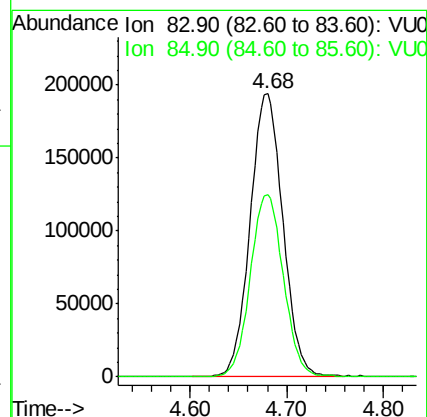
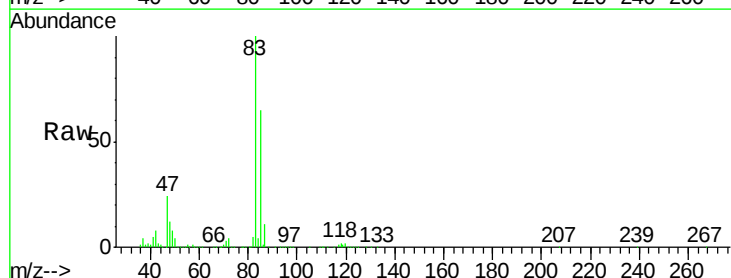
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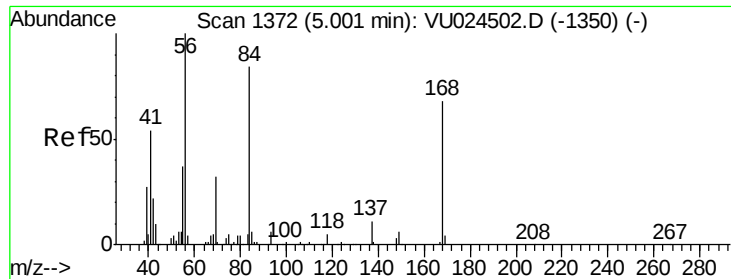
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#30  
Chloroform  
Concen: 76.709 ug/l  
RT: 4.68 min Scan# 1272  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.6  | 52.4  | 78.6  |





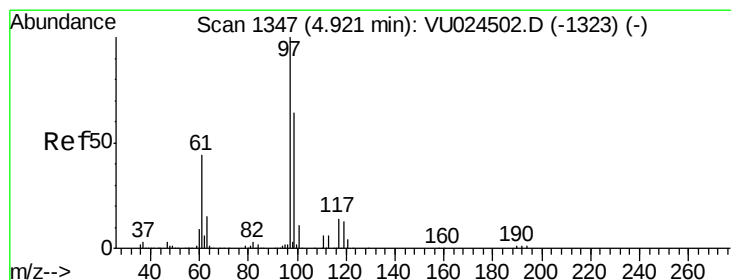
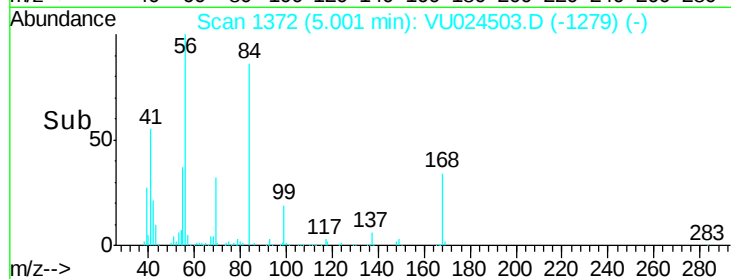
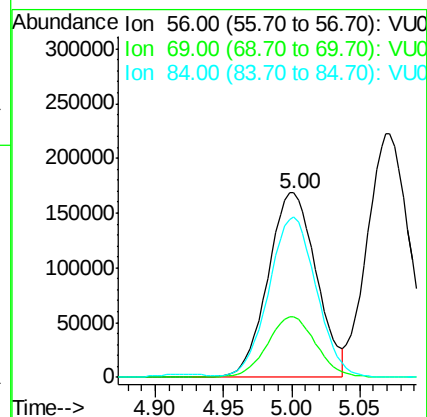
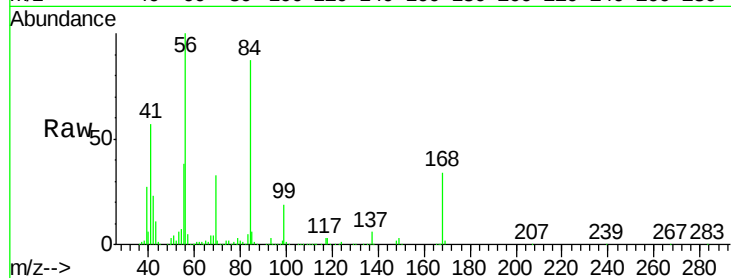
#31  
Cyclohexane  
Concen: 71.355 ug/l  
RT: 5.00 min Scan# 1372  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC100

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 32.4  | 24.8  | 37.2  |
| 84      | 85.5  | 65.2  | 97.8  |

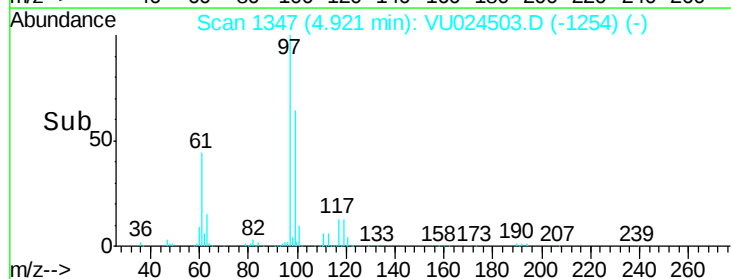
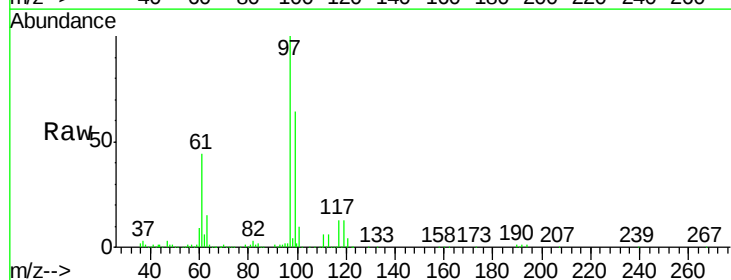
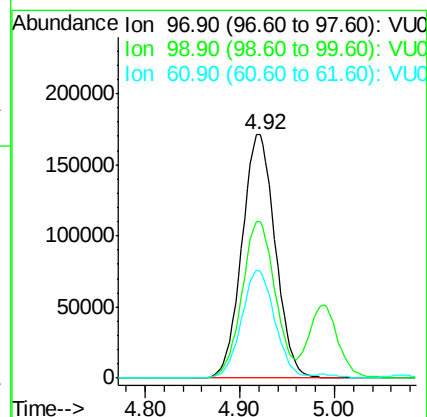
Manual Integrations  
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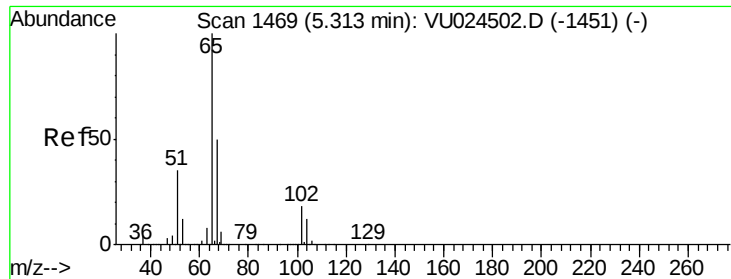
MMDadoda  
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#32  
1,1,1-Trichloroethane  
Concen: 87.688 ug/l  
RT: 4.92 min Scan# 1347  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.7  | 51.0  | 76.6  |
| 61      | 44.3  | 39.4  | 59.0  |





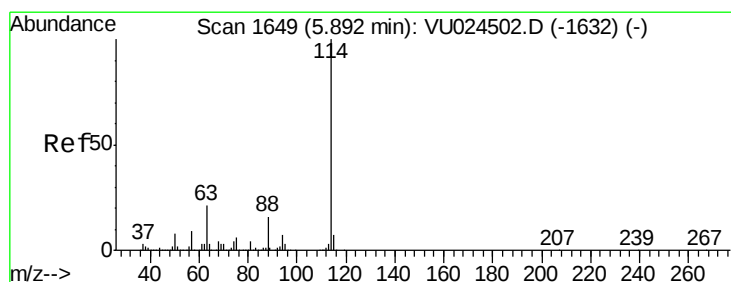
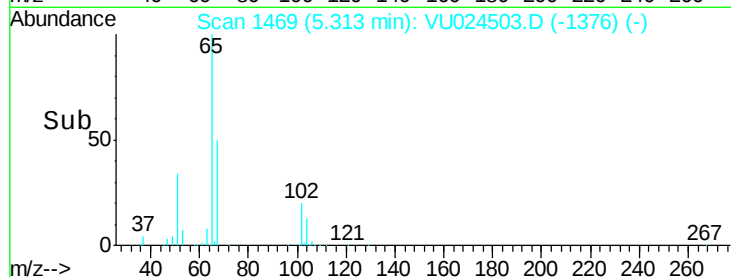
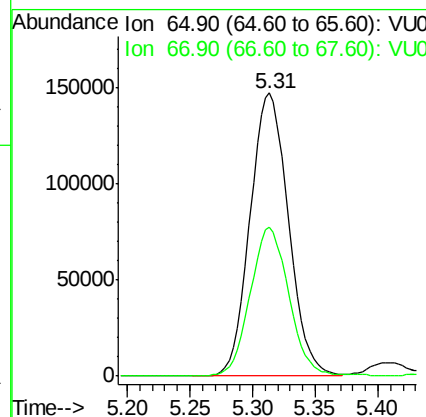
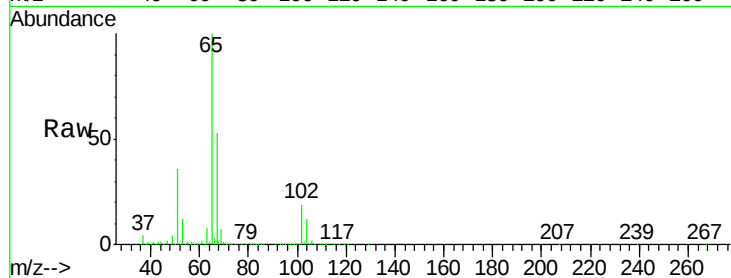
#33  
 1,2-Dichloroethane-d4  
 Concen: 81.106 ug/l  
 RT: 5.31 min Scan# 1469  
 Delta R.T. -0.00 min  
 Lab File: VU024503.D  
 Acq: 13 Jun 2018 13:05

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC100

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 314073 |       |       |
| 67      | 52.3  | 0.0    | 107.0 |       |

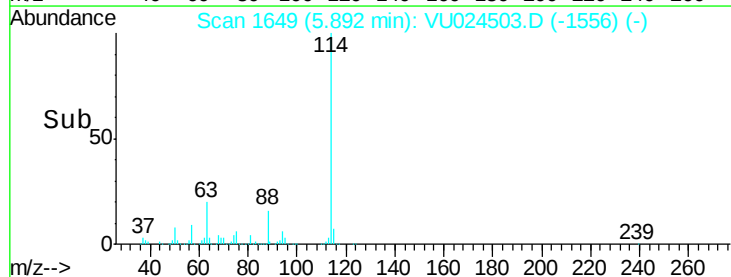
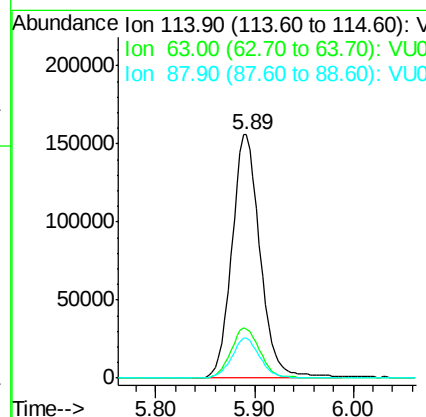
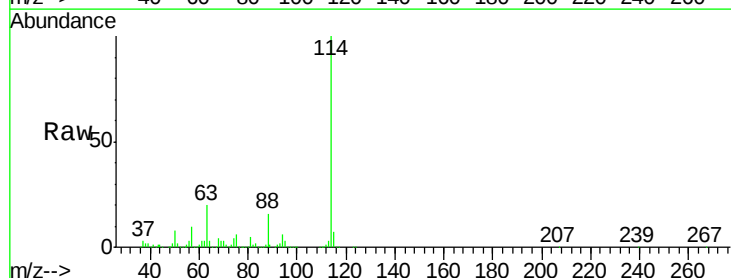
Manual Integrations  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1649  
 Delta R.T. -0.00 min  
 Lab File: VU024503.D  
 Acq: 13 Jun 2018 13:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 311868 |       |       |
| 63      | 20.2  | 0.0    | 45.4  |       |
| 88      | 16.4  | 0.0    | 31.0  |       |





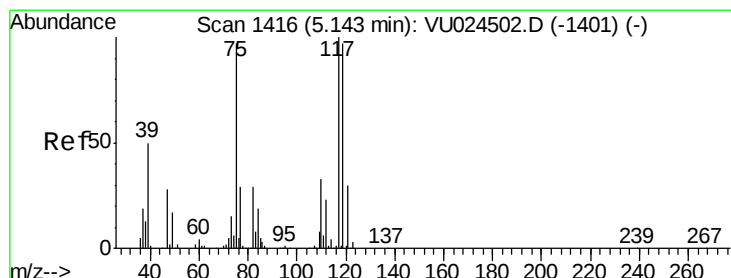
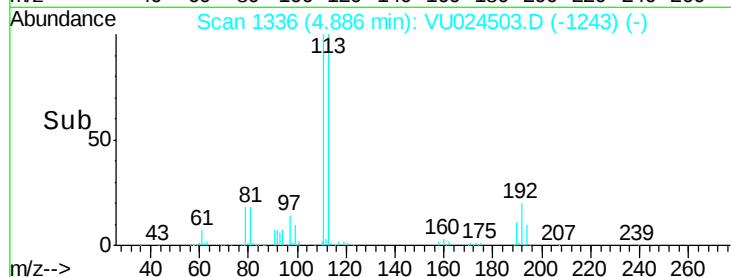
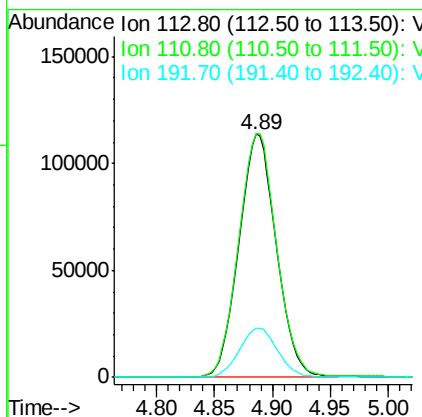
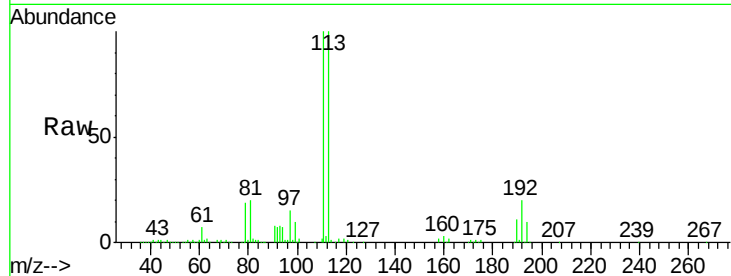
#35  
 Dibromofluoromethane  
 Concen: 79.519 ug/l  
 RT: 4.89 min Scan# 1336  
 Delta R.T. -0.00 min  
 Lab File: VU024503.D  
 Acq: 13 Jun 2018 13:05

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC100

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 254696 |       |       |
| 111     | 101.5 | 82.2   | 123.4 |       |
| 192     | 20.8  | 16.2   | 24.4  |       |

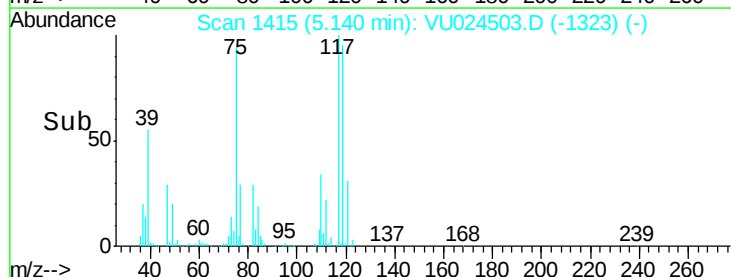
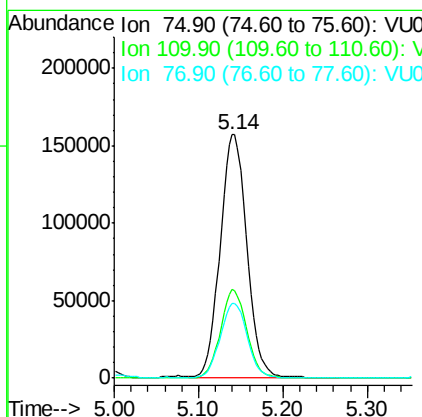
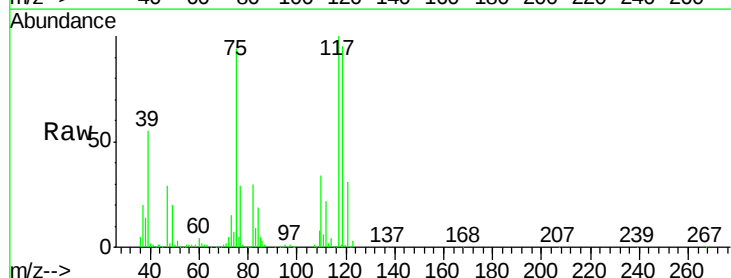
Manual Integrations  
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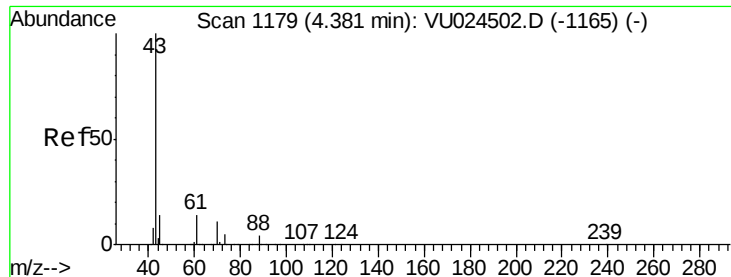
MMDadoda  
 6/14/2018 9:44:37 AM



#36  
 1,1-Dichloropropene  
 Concen: 77.385 ug/l  
 RT: 5.14 min Scan# 1415  
 Delta R.T. -0.00 min  
 Lab File: VU024503.D  
 Acq: 13 Jun 2018 13:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 344413 |       |       |
| 110     | 36.0  | 17.0   | 50.9  |       |
| 77      | 30.4  | 24.2   | 36.4  |       |





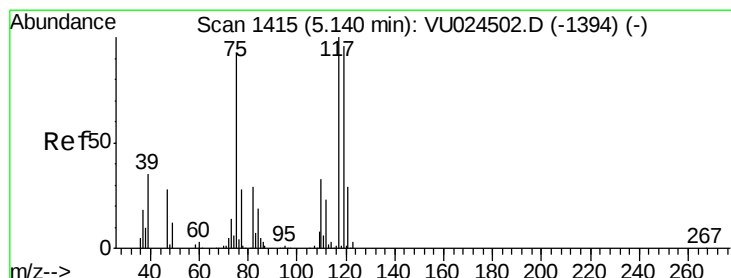
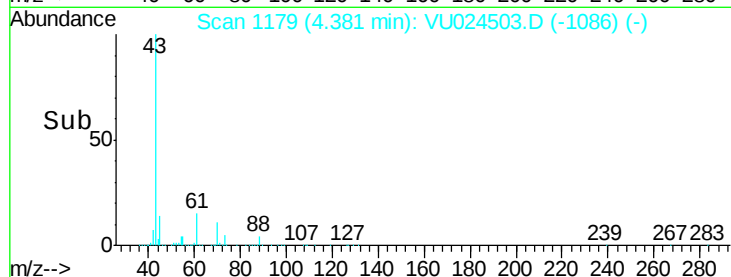
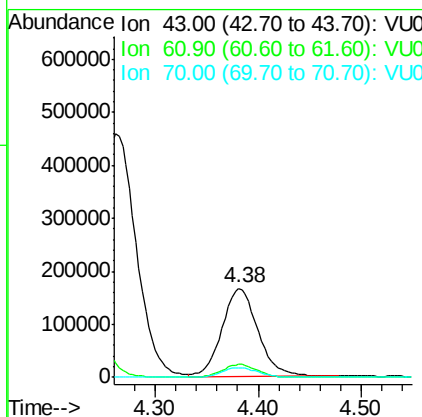
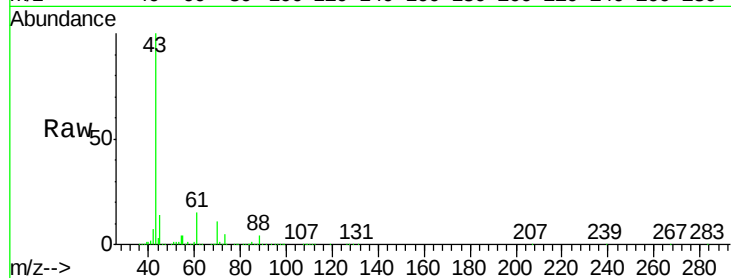
#37  
 Ethyl Acetate  
 Concen: 80.338 ug/l  
 RT: 4.38 min Scan# 1179  
 Delta R.T. -0.00 min  
 Lab File: VU024503.D  
 Acq: 13 Jun 2018 13:05

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC100

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.4  | 10.5  | 15.7  |
| 70      | 10.6  | 7.4   | 11.2  |

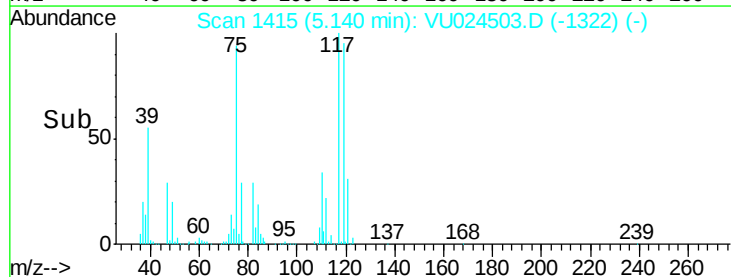
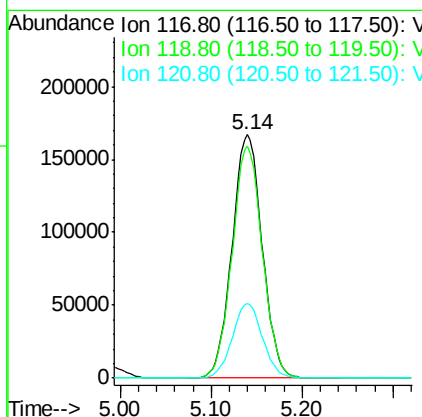
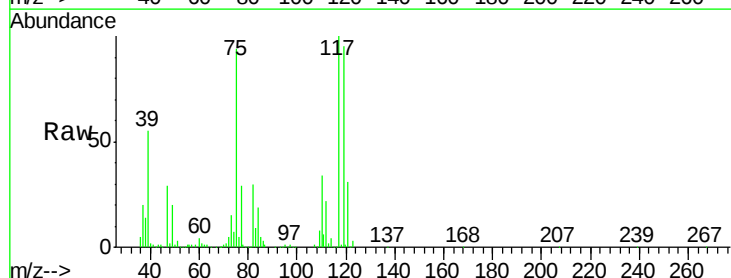
Manual Integrations  
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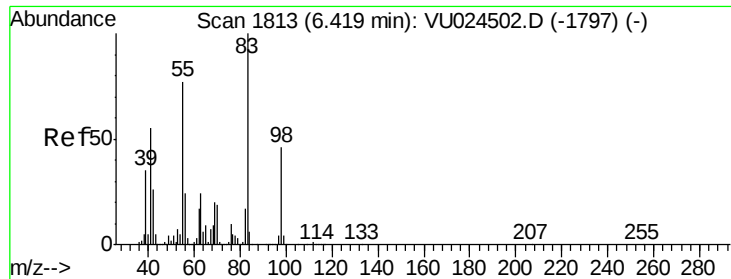
MMDadoda  
 6/14/2018 9:44:37 AM



#38  
 Carbon Tetrachloride  
 Concen: 90.380 ug/l  
 RT: 5.14 min Scan# 1415  
 Delta R.T. -0.00 min  
 Lab File: VU024503.D  
 Acq: 13 Jun 2018 13:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.2  | 76.1  | 114.1 |
| 121     | 30.7  | 23.7  | 35.5  |





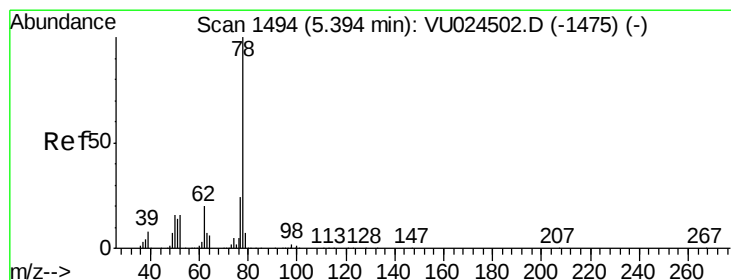
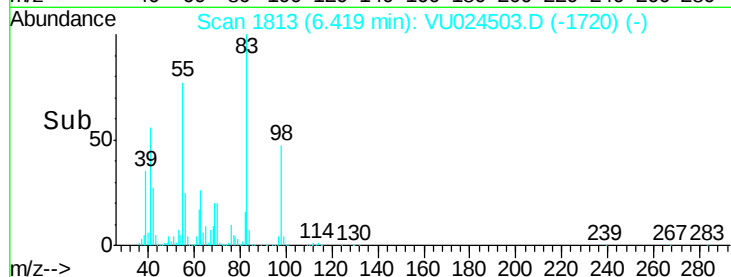
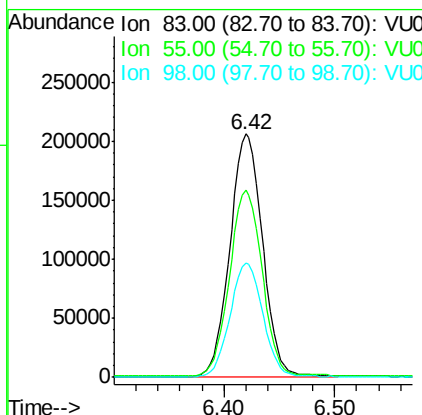
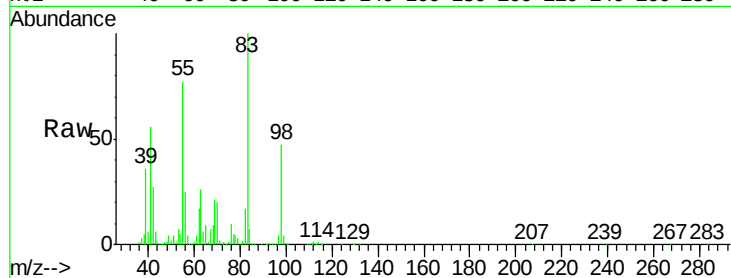
#39  
Methylcyclohexane  
Concen: 87.532 ug/l  
RT: 6.42 min Scan# 1813  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC100

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 76.6  | 65.8  | 98.6  |
| 98      | 47.0  | 36.7  | 55.1  |

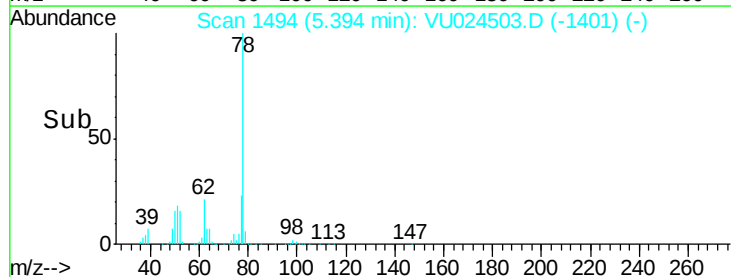
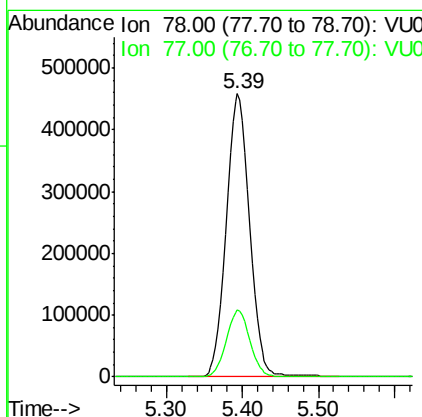
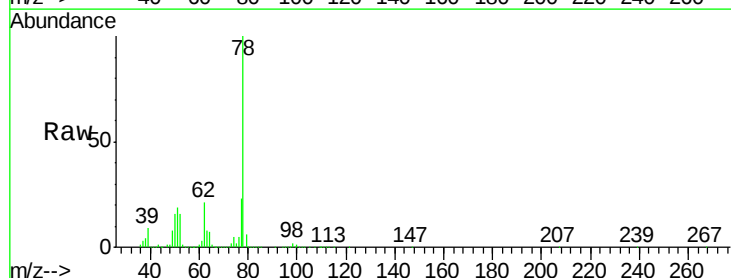
Manual Integrations  
APPROVED

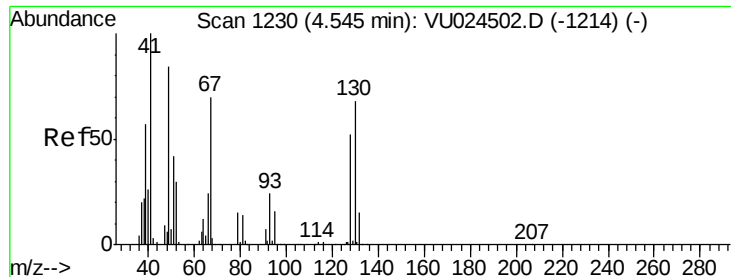
MMDadoda  
6/14/2018 9:44:37 AM



#40  
Benzene  
Concen: 73.376 ug/l  
RT: 5.39 min Scan# 1494  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.4  | 19.2  | 28.8  |





#41

Methacrylonitrile

Concen: 77.649 ug/l

RT: 4.54 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

Instrument :

MSVOA\_U

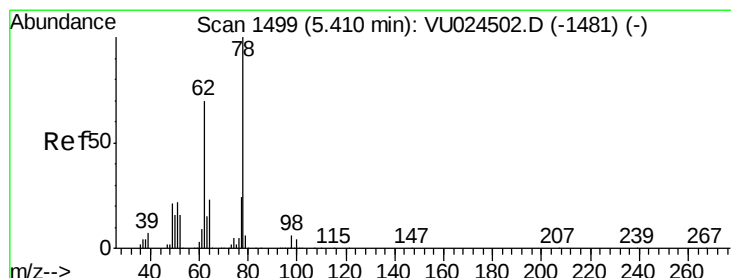
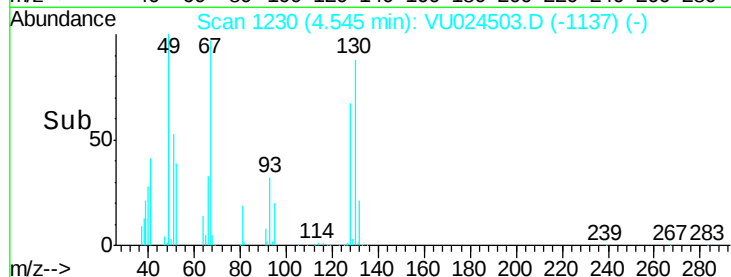
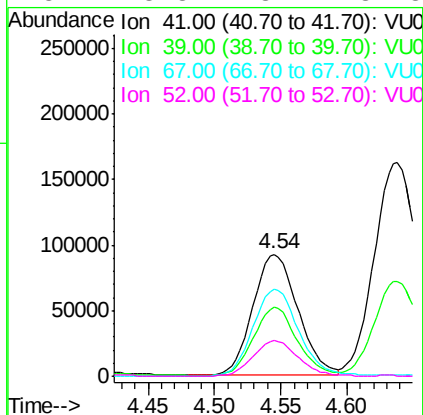
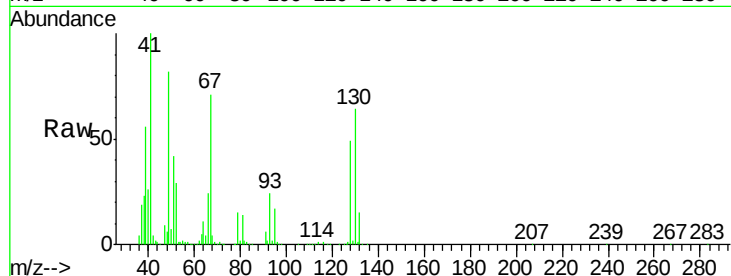
ClientSampleId :

VSTDIC100

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 55.5 | 43.8  | 65.6  |       |
| 67      | 72.6 | 56.3  | 84.5  |       |
| 52      | 28.8 | 23.2  | 34.8  |       |

Manual Integrations  
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6/14/2018 9:44:37 AM



#42

1,2-Dichloroethane

Concen: 72.787 ug/l

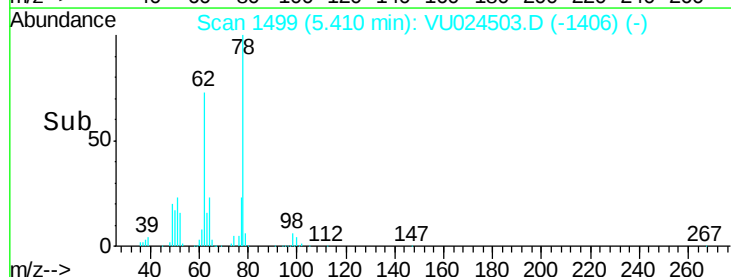
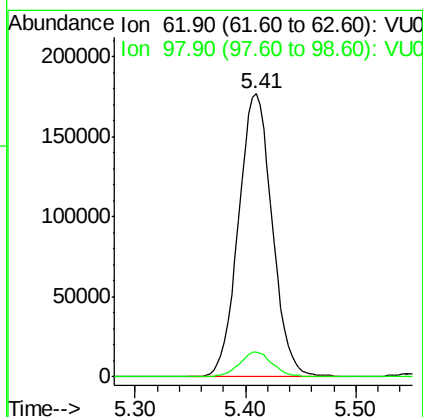
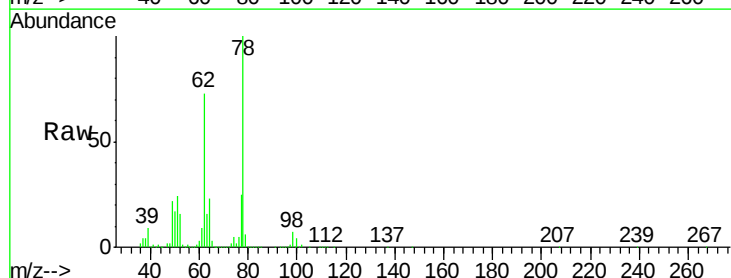
RT: 5.41 min Scan# 1499

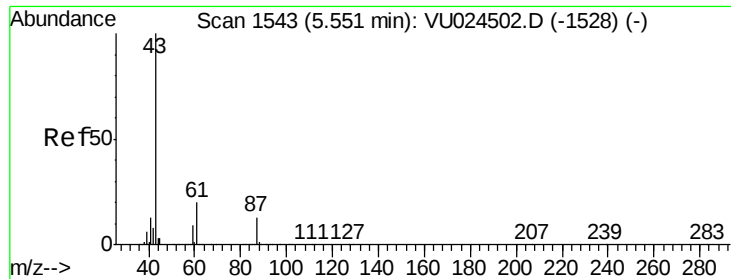
Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 8.3 | 0.0   | 16.6  |       |





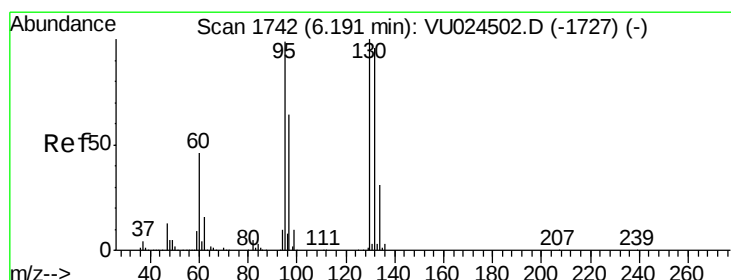
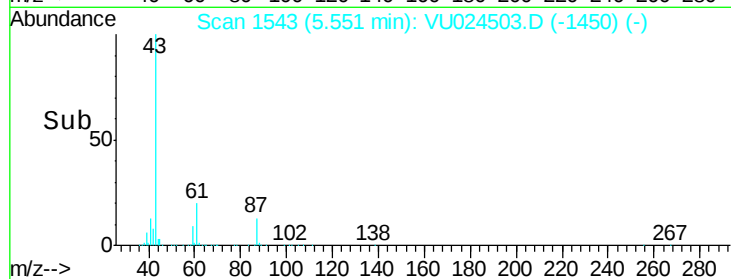
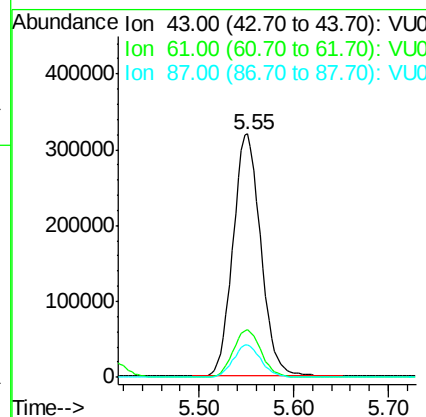
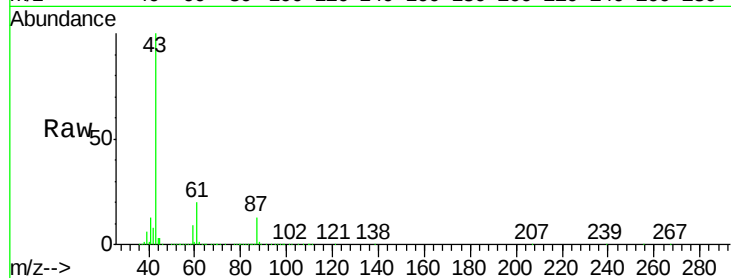
#43  
Isopropyl Acetate  
Concen: 85.966 ug/l  
RT: 5.55 min Scan# 1543  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC100

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 20.0  | 15.4  | 23.0  |
| 87      | 13.4  | 10.0  | 15.0  |

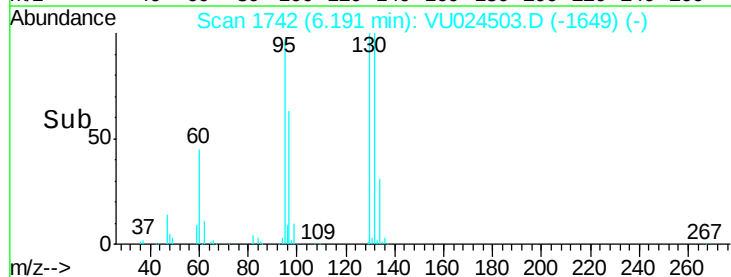
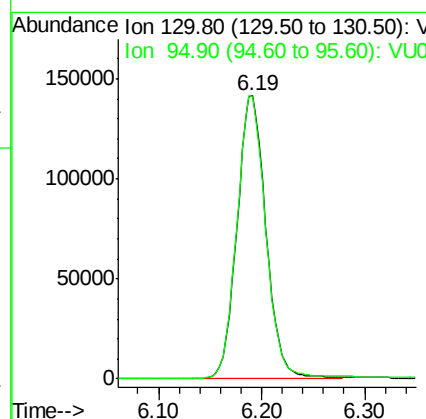
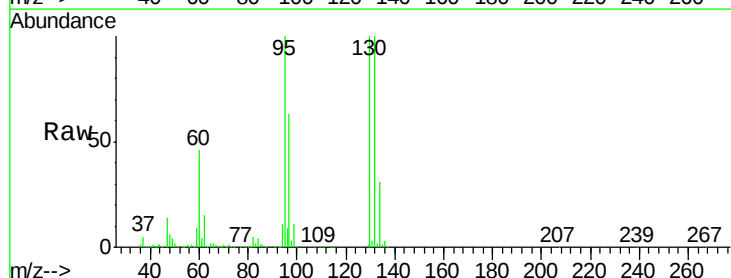
Manual Integrations  
APPROVED

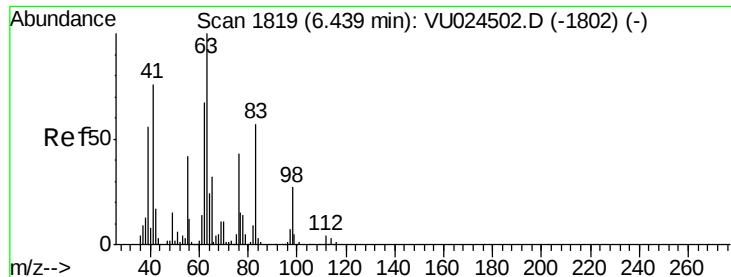
MMDadoda  
6/14/2018 9:44:37 AM



#44  
Trichloroethene  
Concen: 79.323 ug/l  
RT: 6.19 min Scan# 1742  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 99.4  | 0.0   | 202.4 |





#45

1,2-Dichloropropane

Concen: 73.219 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC100

Tgt Ion: 63 Resp: 263974

Ion Ratio Lower Upper

63 100

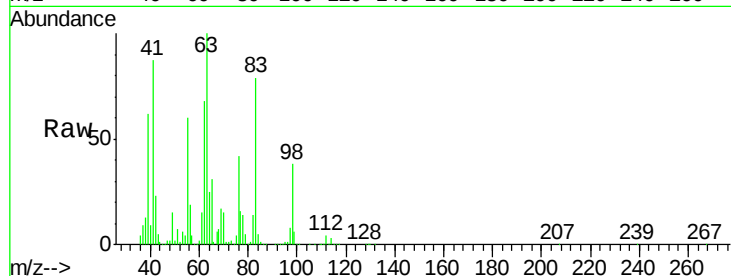
65 31.4 24.8 37.2

Manual Integrations

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MMDadoda

6/14/2018 9:44:37 AM



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

6.44

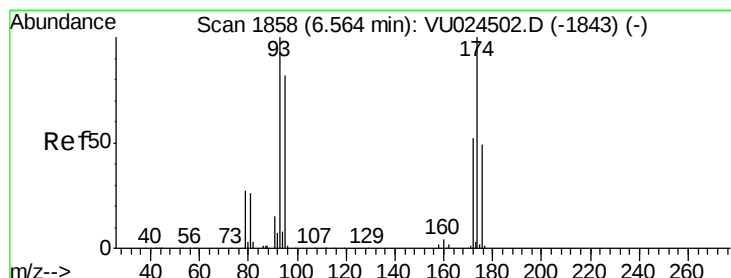
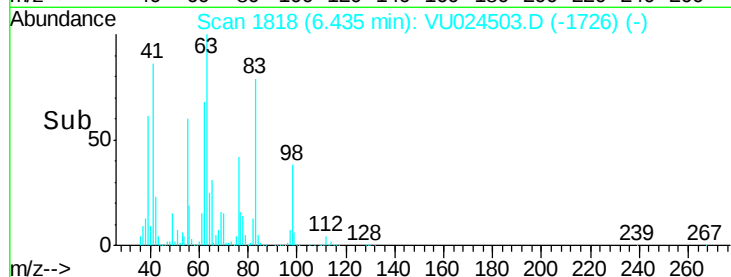
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 78.749 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

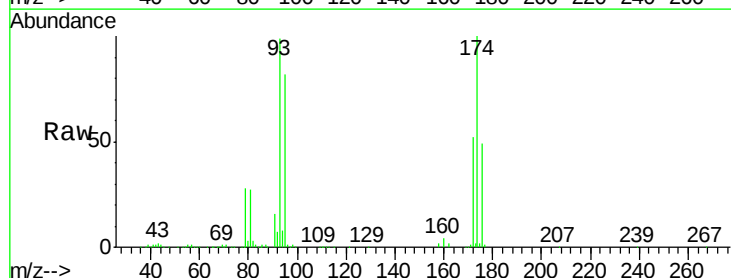
Tgt Ion: 93 Resp: 187960

Ion Ratio Lower Upper

93 100

95 82.7 65.5 98.3

174 102.1 78.7 118.1



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

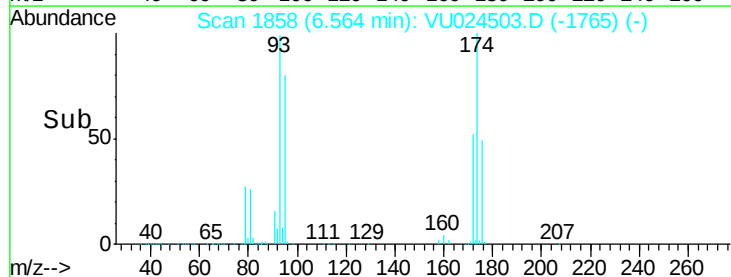
6.56

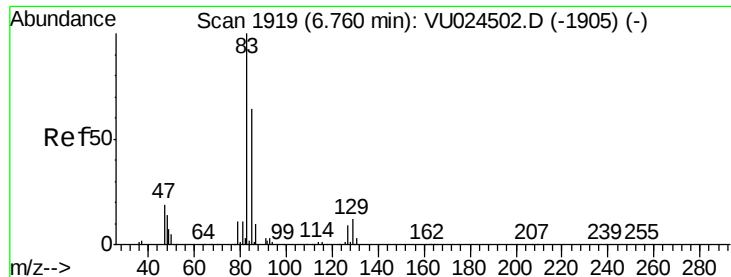
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 80.815 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 373188

Ion Ratio Lower Upper

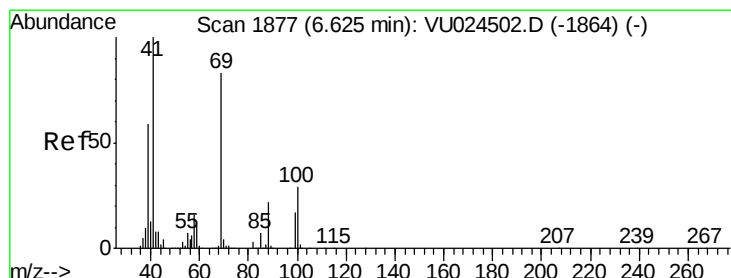
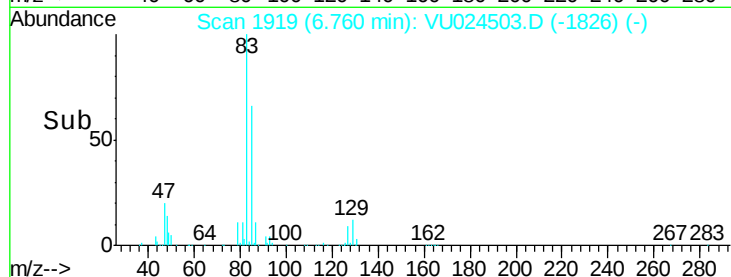
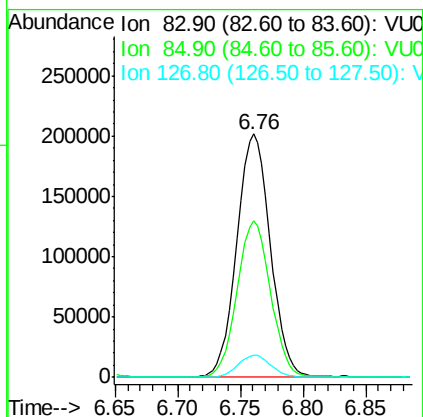
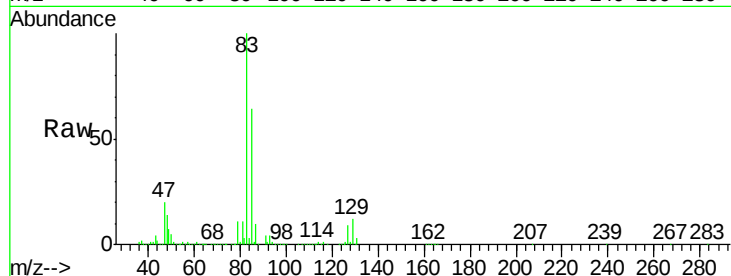
83 100

85 64.2 51.9 77.9

127 9.2 6.6 9.8

Manual Integrations  
APPROVED

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6/14/2018 9:44:37 AM



#48

Methyl methacrylate

Concen: 85.544 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

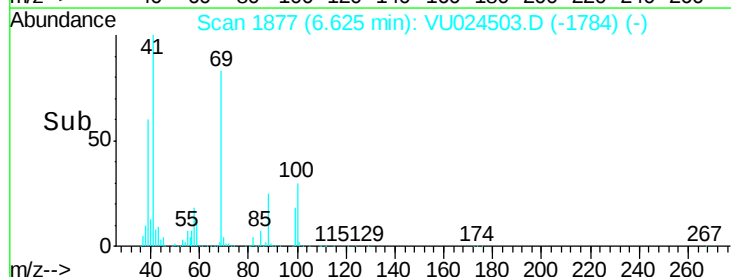
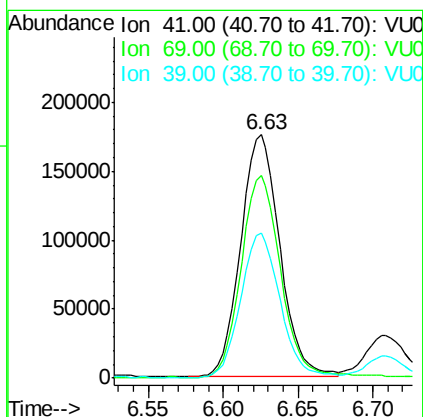
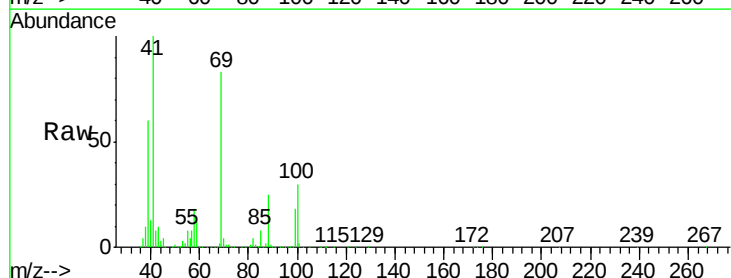
Tgt Ion: 41 Resp: 318712

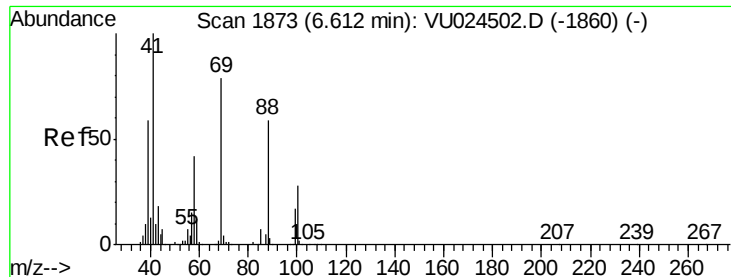
Ion Ratio Lower Upper

41 100

69 85.0 67.3 100.9

39 59.8 46.5 69.7





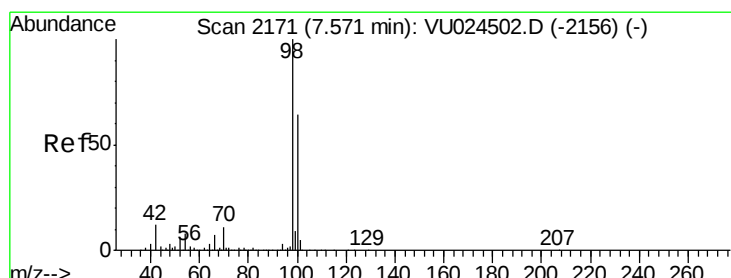
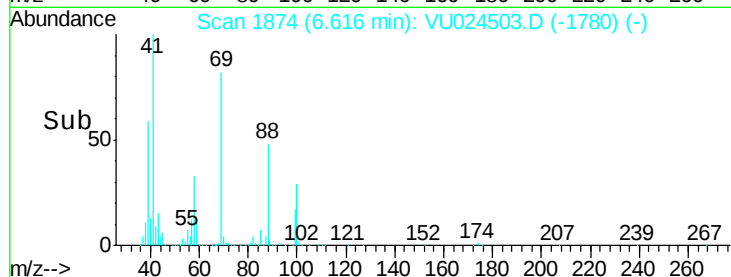
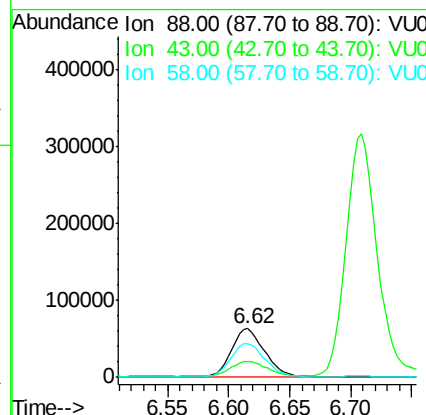
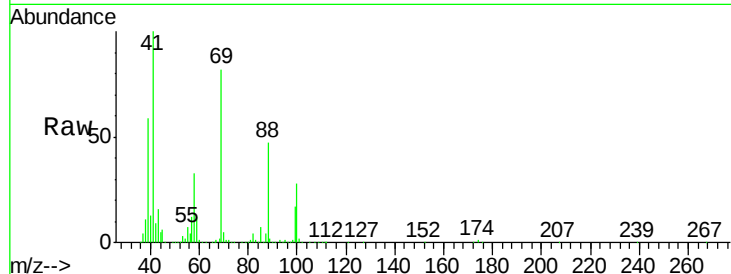
#49  
1,4-Dioxane  
Concen: 1522.509 ug/l  
RT: 6.62 min Scan# 1874  
Delta R.T. 0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC100

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 33.5  | 28.6  | 42.8  |
| 58      | 71.6  | 58.2  | 87.4  |

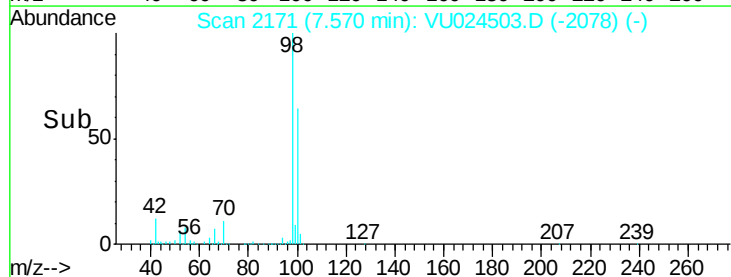
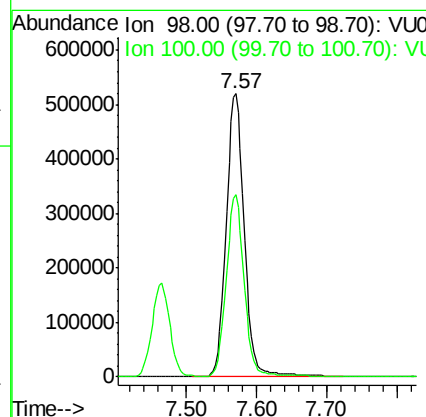
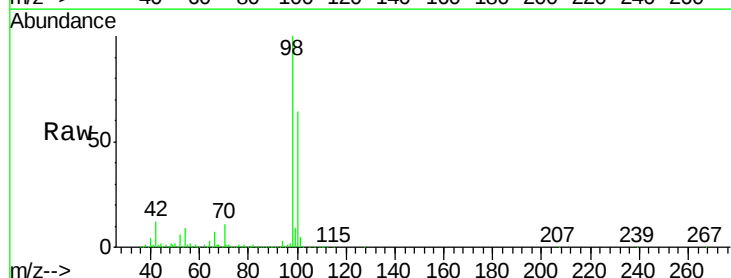
Manual Integrations  
APPROVED

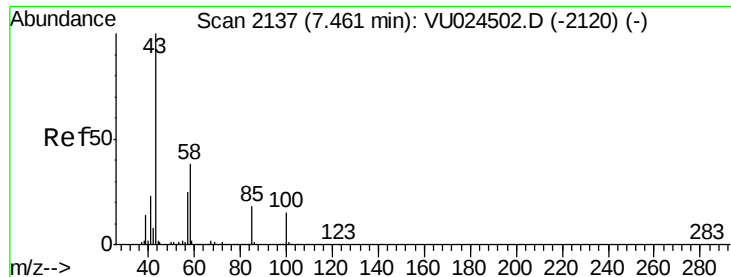
MMDadoda  
6/14/2018 9:44:37 AM



#50  
Toluene-d8  
Concen: 77.893 ug/l  
RT: 7.57 min Scan# 2171  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.8  | 51.1  | 76.7  |





#51

4-Methyl-2-Pentanone

Concen: 374.175 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 2051613

Ion Ratio Lower Upper

43 100

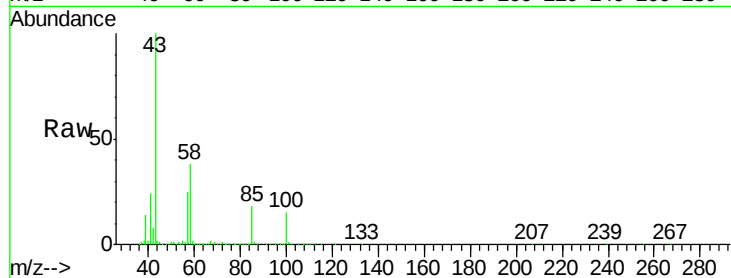
58 38.3 30.0 45.0

Manual Integrations

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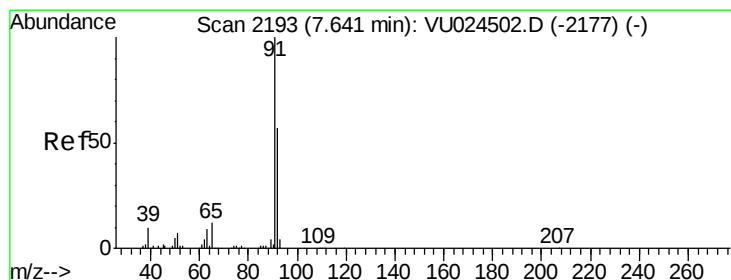
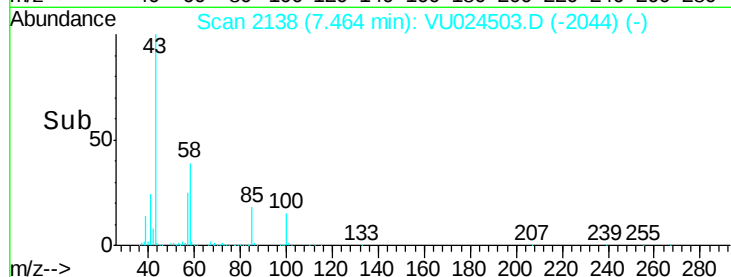
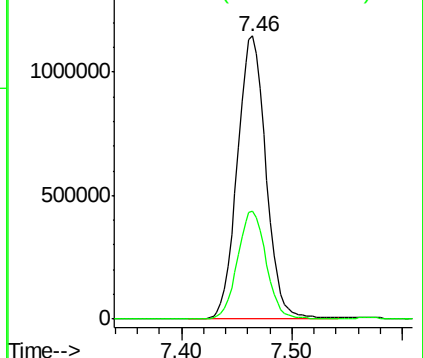
MMDadoda

6/14/2018 9:44:37 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 79.577 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU024503.D

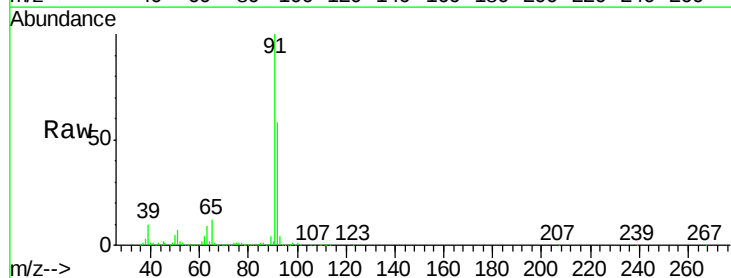
Acq: 13 Jun 2018 13:05

Tgt Ion: 92 Resp: 633526

Ion Ratio Lower Upper

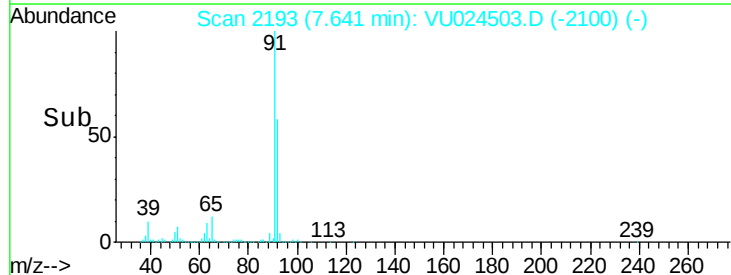
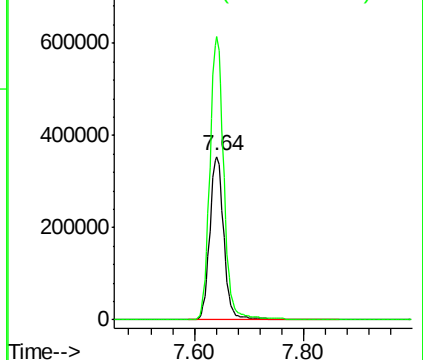
92 100

91 172.4 140.5 210.7



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: 90.148 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC100

Tgt Ion: 75 Resp: 432910

Ion Ratio Lower Upper

75 100

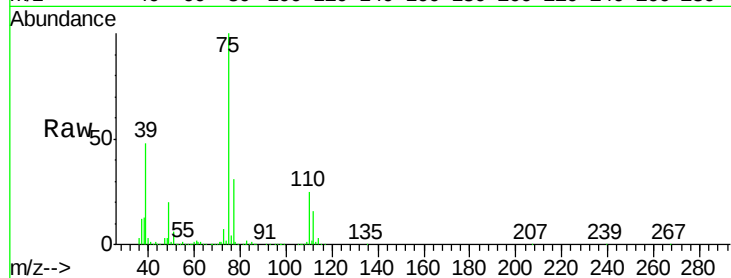
77 31.4 24.8 37.2

Manual Integrations

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MMDadoda

6/14/2018 9:44:37 AM



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.88

250000

200000

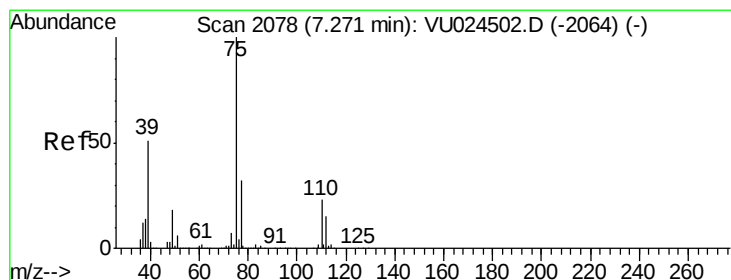
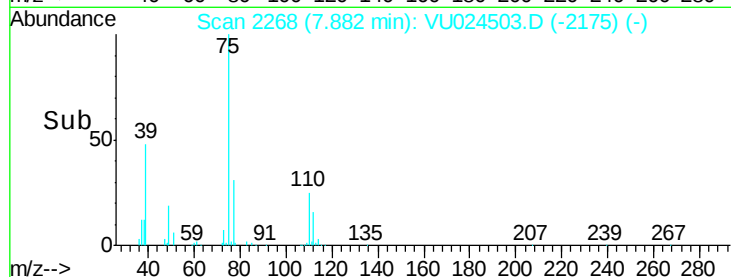
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 85.124 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

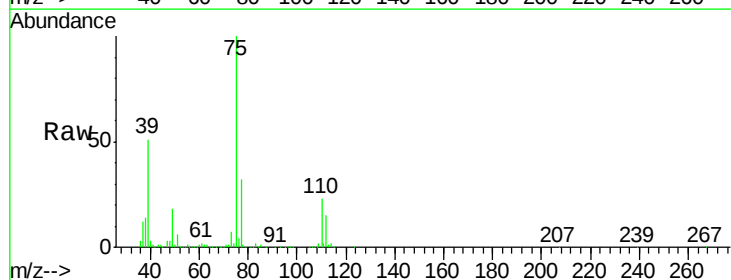
Tgt Ion: 75 Resp: 446031

Ion Ratio Lower Upper

75 100

77 32.0 24.6 36.8

39 50.5 39.8 59.6



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

7.27

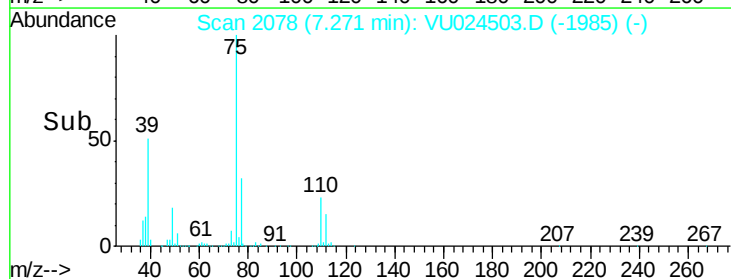
300000

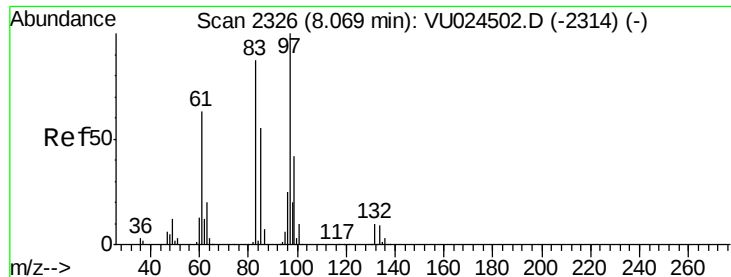
200000

100000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 74.050 ug/l

RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

Instrument :

MSVOA\_U

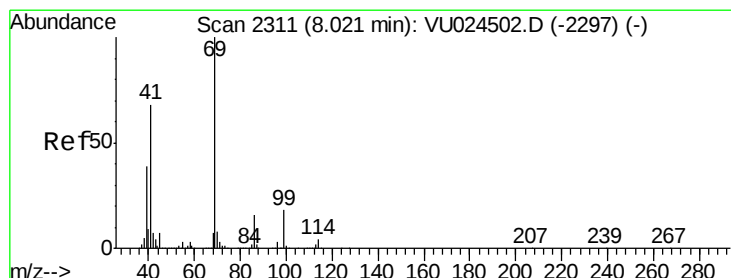
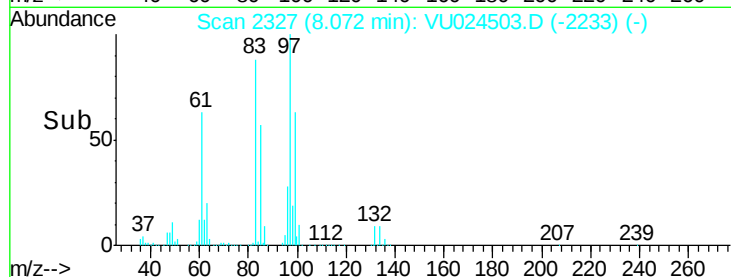
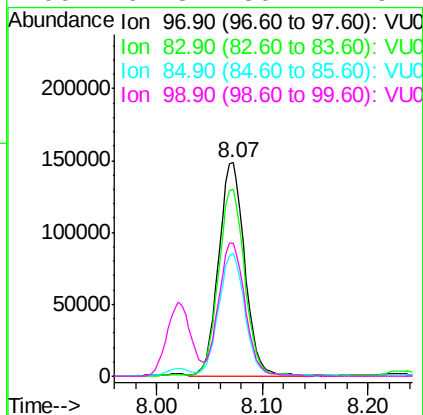
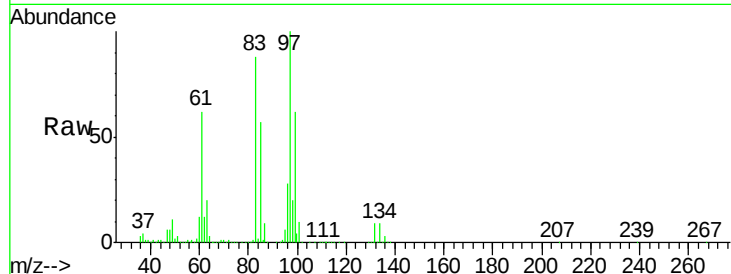
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 252909 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 83        | 87.5  | 70.5  | 105.7  |
| 85        | 57.3  | 46.4  | 69.6   |
| 99        | 62.3  | 50.2  | 75.2   |

Manual Integrations  
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MMDadoda  
6/14/2018 9:44:37 AM



#56

Ethyl methacrylate

Concen: 97.768 ug/l

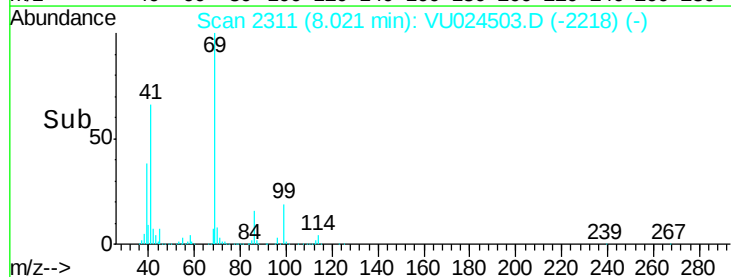
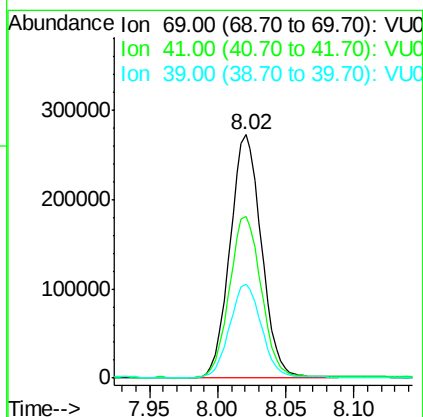
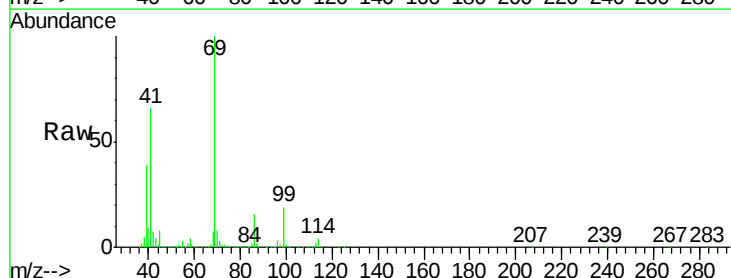
RT: 8.02 min Scan# 2311

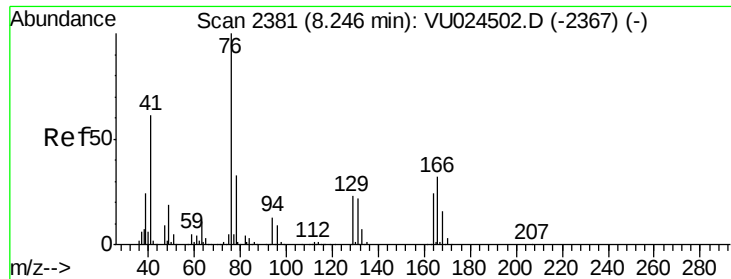
Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 69    | Resp: | 435195 |
| Ion Ratio | Lower | Upper |        |
| 69        | 100   |       |        |
| 41        | 67.3  | 54.1  | 81.1   |
| 39        | 38.9  | 30.3  | 45.5   |





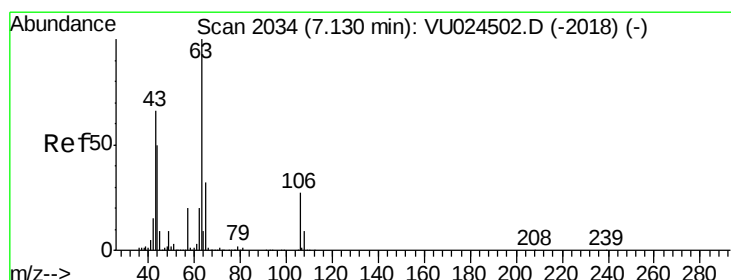
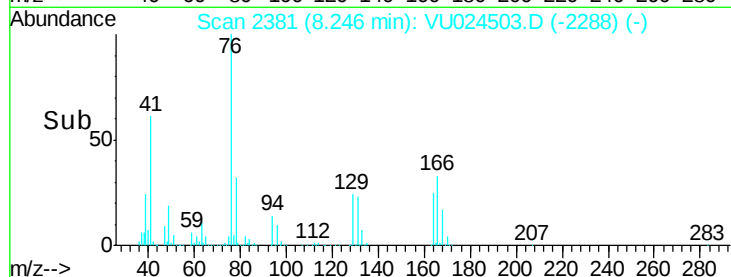
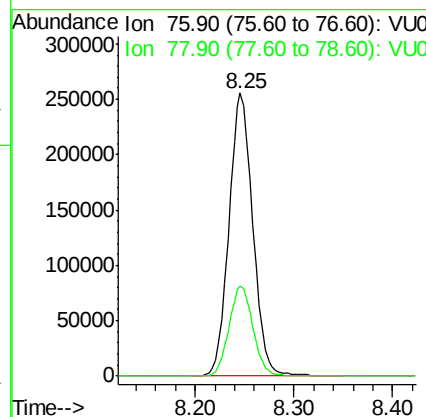
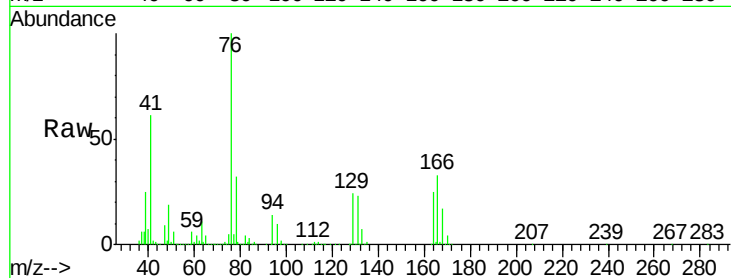
#57  
 1,3-Dichloropropane  
 Concen: 73.901 ug/l  
 RT: 8.25 min Scan# 2381  
 Delta R.T. -0.00 min  
 Lab File: VU024503.D  
 Acq: 13 Jun 2018 13:05

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC100

Tgt Ion: 76 Resp: 433449  
 Ion Ratio Lower Upper  
 76 100  
 78 32.3 25.2 37.8

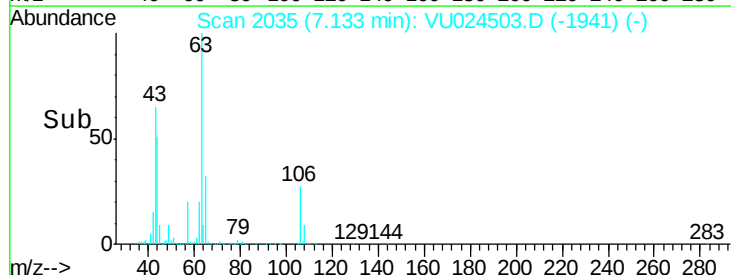
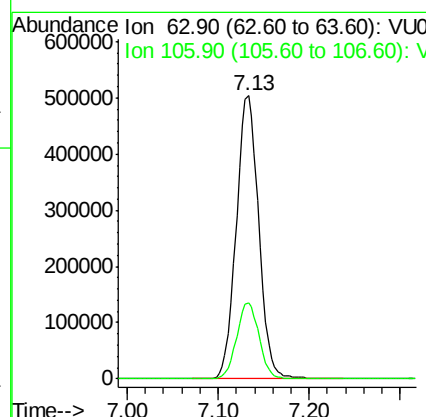
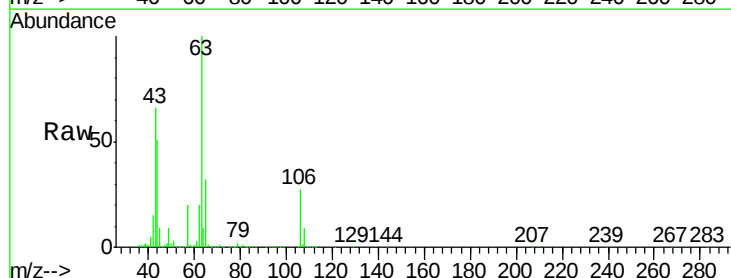
Manual Integrations  
 APPROVED

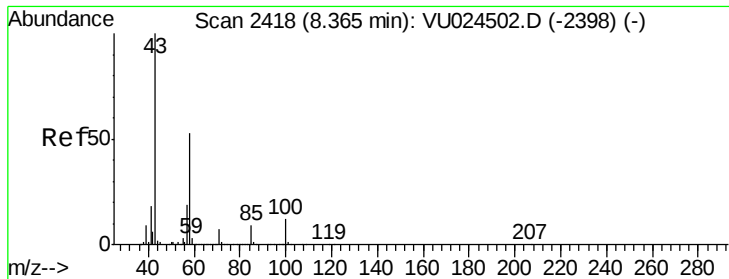
MMDadoda  
 6/14/2018 9:44:37 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 378.026 ug/l  
 RT: 7.13 min Scan# 2035  
 Delta R.T. 0.00 min  
 Lab File: VU024503.D  
 Acq: 13 Jun 2018 13:05

Tgt Ion: 63 Resp: 865437  
 Ion Ratio Lower Upper  
 63 100  
 106 27.0 20.2 30.2





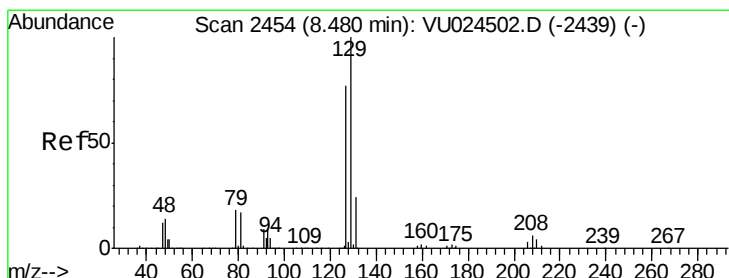
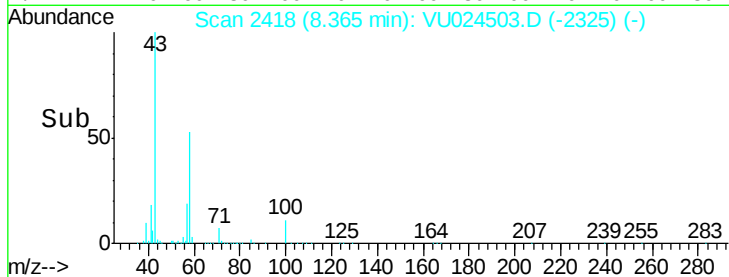
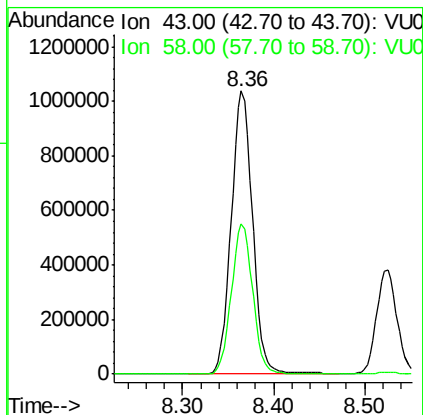
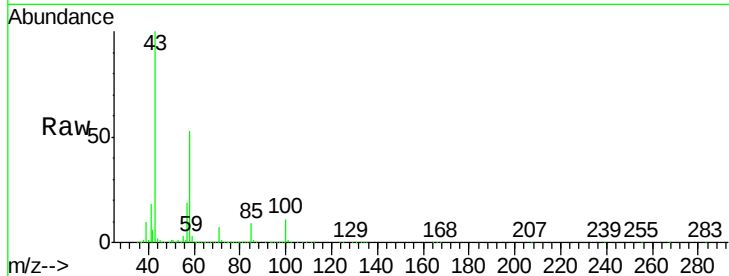
#59  
2-Hexanone  
Concen: 383.759 ug/l  
RT: 8.36 min Scan# 2418  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC100

Tgt Ion: 43 Resp: 1683447  
Ion Ratio Lower Upper  
43 100  
58 53.4 26.4 79.0

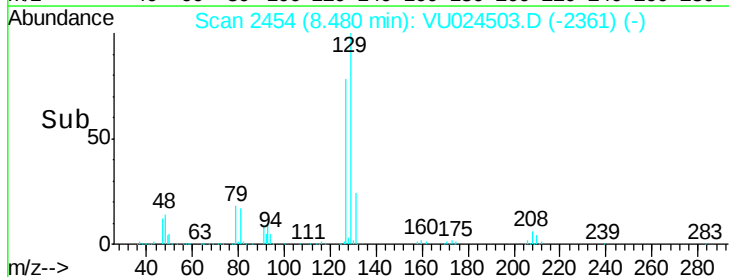
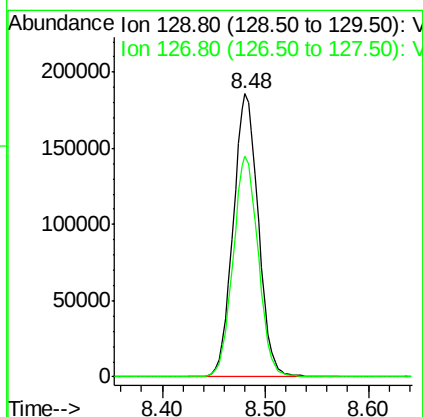
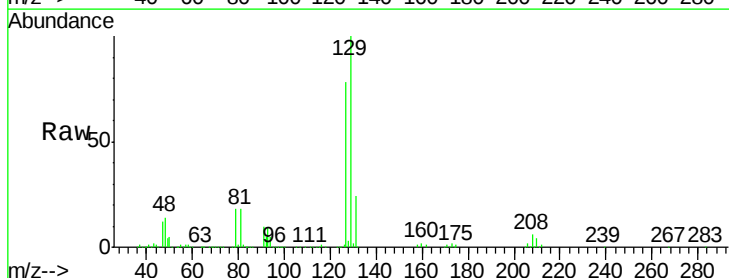
Manual Integrations  
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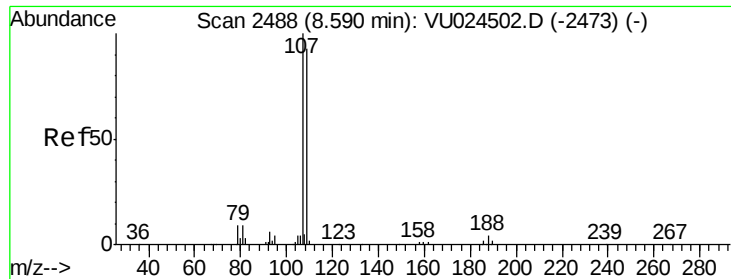
MMDadoda  
6/14/2018 9:44:37 AM



#60  
Dibromochloromethane  
Concen: 91.399 ug/l  
RT: 8.48 min Scan# 2454  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

Tgt Ion: 129 Resp: 316738  
Ion Ratio Lower Upper  
129 100  
127 77.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 79.708 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC100

Tgt Ion: 107 Resp: 284733

Ion Ratio Lower Upper

107 100

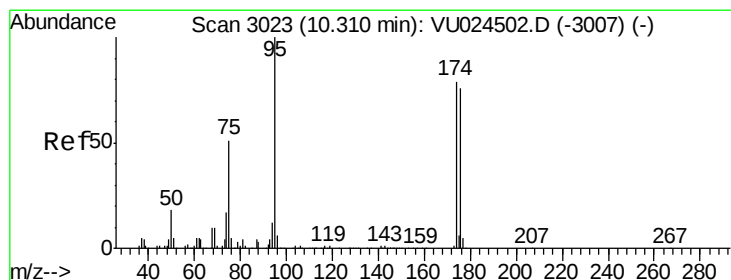
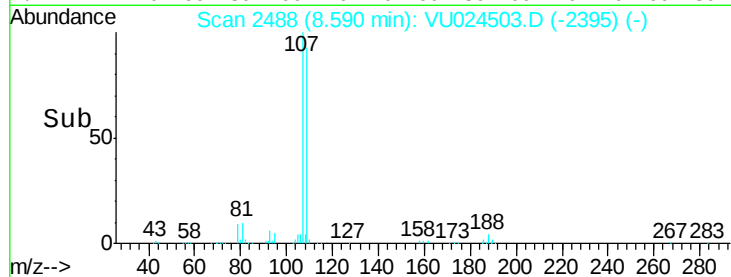
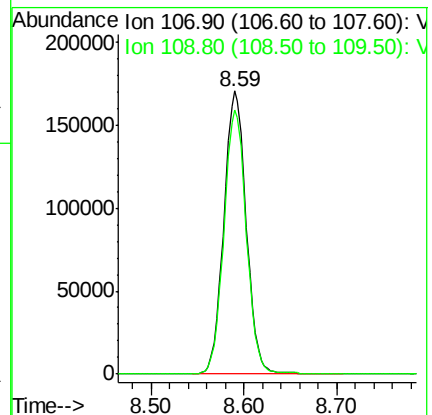
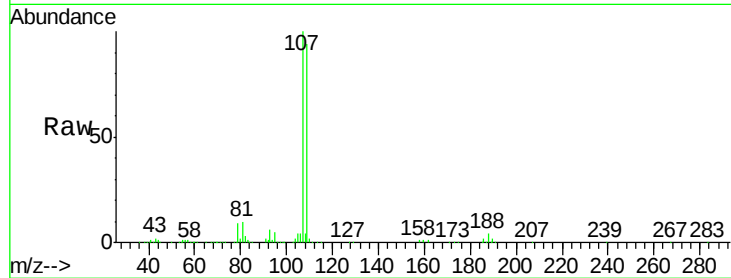
109 93.7 74.5 111.7

Manual Integrations

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6/14/2018 9:44:37 AM



#62

4-Bromofluorobenzene

Concen: 85.898 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

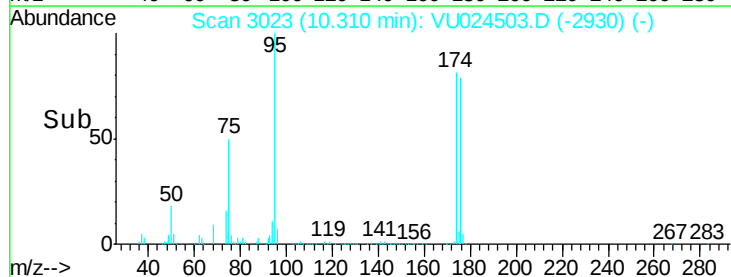
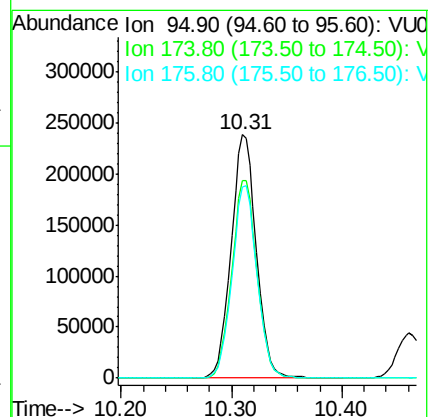
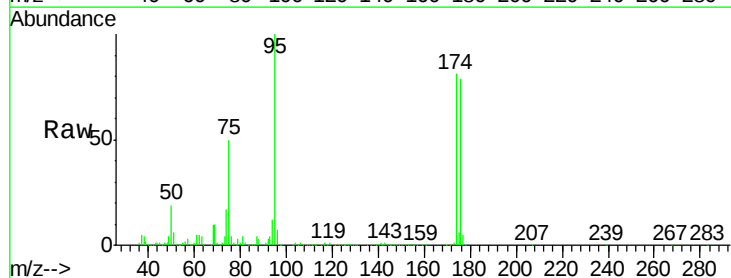
Tgt Ion: 95 Resp: 374746

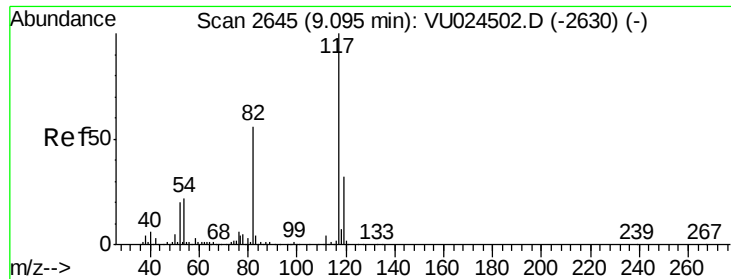
Ion Ratio Lower Upper

95 100

174 81.7 0.0 165.8

176 78.9 0.0 159.4





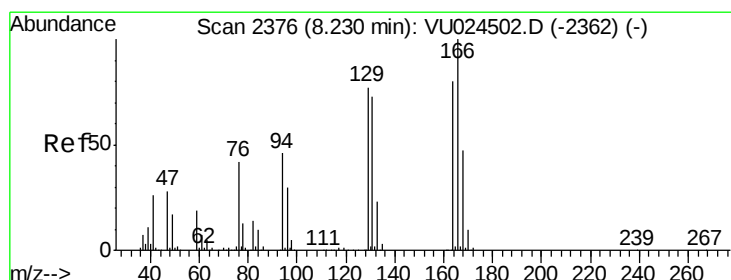
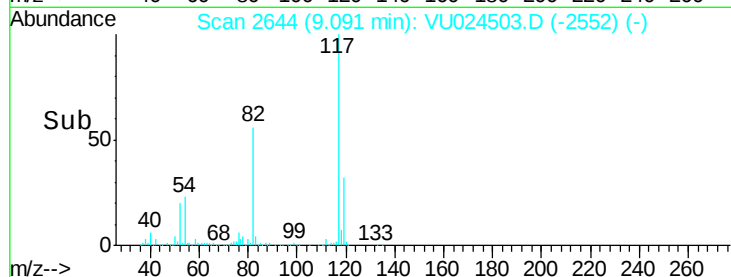
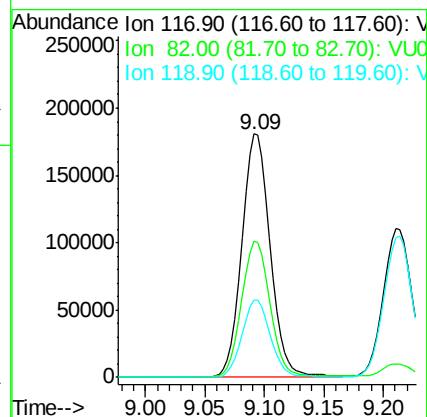
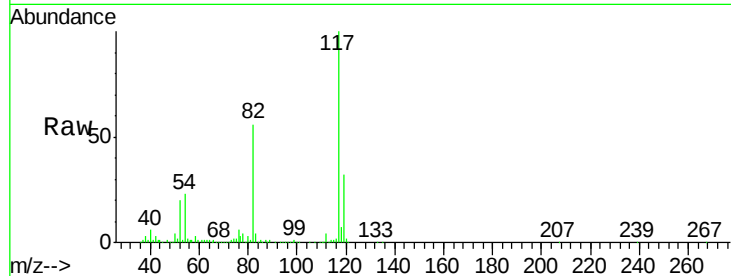
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2644  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC100

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 117     | 100   |            |            |
| 82      | 55.6  | 44.3       | 66.5       |
| 119     | 31.8  | 25.4       | 38.2       |

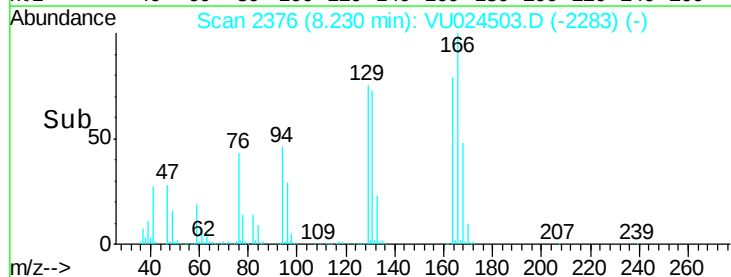
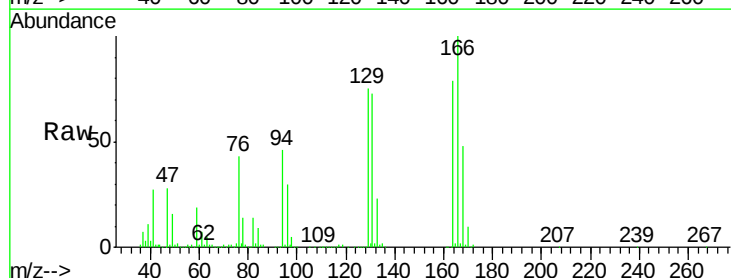
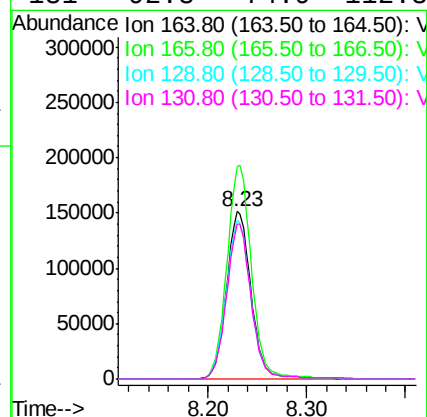
Manual Integrations  
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#64  
Tetrachloroethene  
Concen: 89.396 ug/l  
RT: 8.23 min Scan# 2376  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 164     | 100   |            |            |
| 166     | 127.2 | 101.7      | 152.5      |
| 129     | 95.1  | 76.9       | 115.3      |
| 131     | 92.8  | 74.9       | 112.3      |





#65

Chlorobenzene

Concen: 82.382 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC100

Tgt Ion:112 Resp: 717250

Ion Ratio Lower Upper

112 100

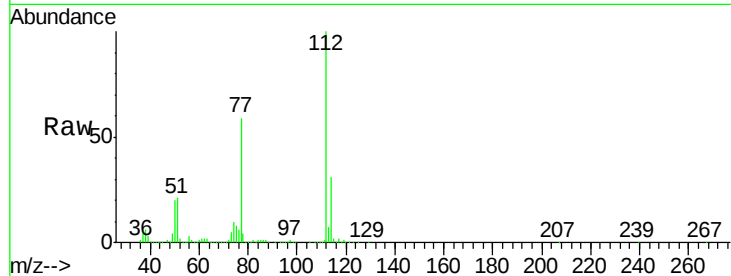
114 31.5 25.6 38.4

Manual Integrations

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MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.12

400000

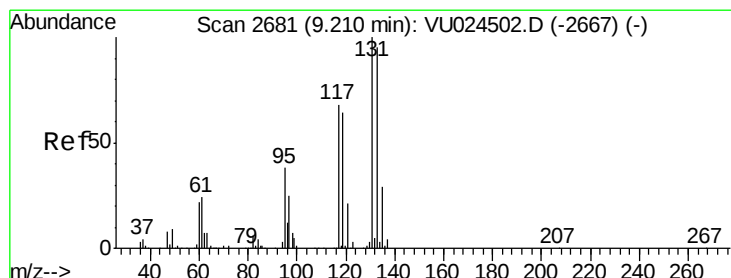
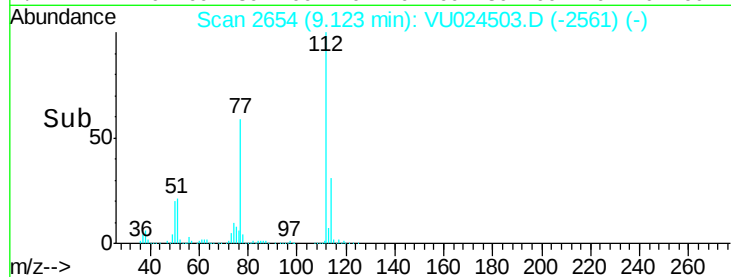
300000

200000

100000

0

Time--> 9.00 9.10 9.20 9.30



#66

1,1,1,2-Tetrachloroethane

Concen: 89.951 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

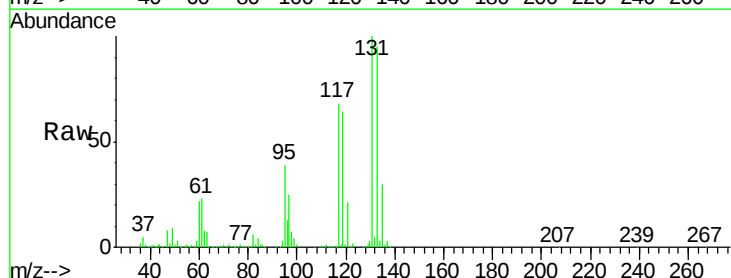
Tgt Ion:131 Resp: 268812

Ion Ratio Lower Upper

131 100

133 96.7 46.9 140.8

119 64.8 33.5 100.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

9.21

200000

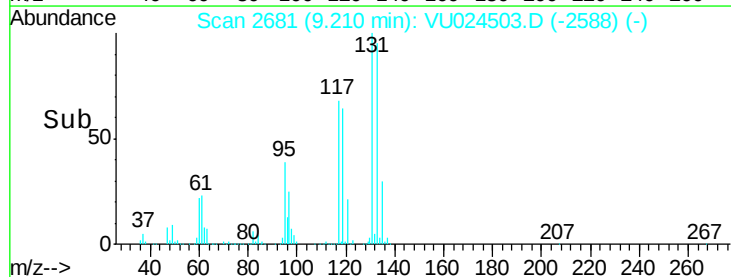
150000

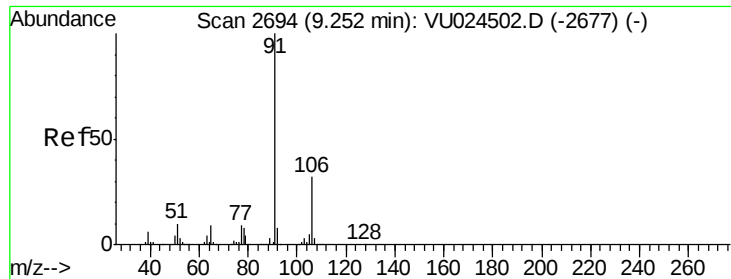
100000

50000

0

Time--> 9.15 9.20 9.25 9.30





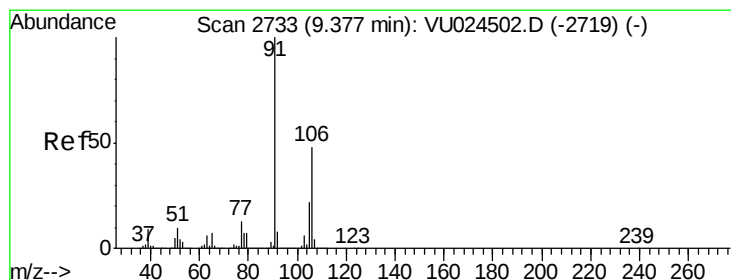
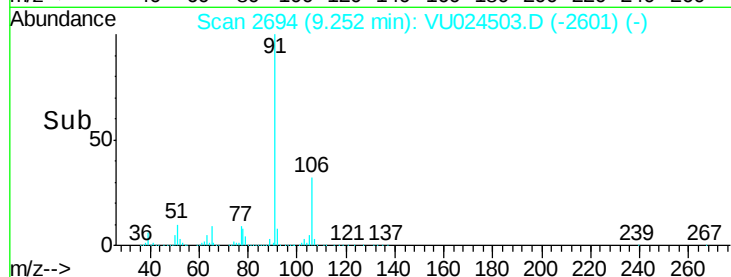
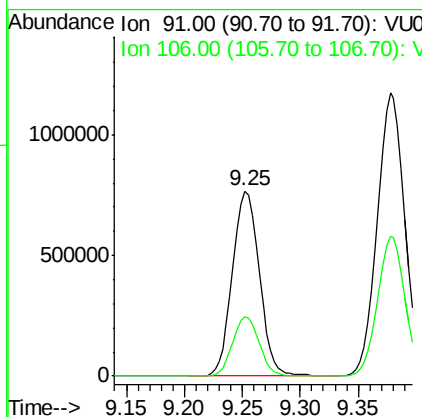
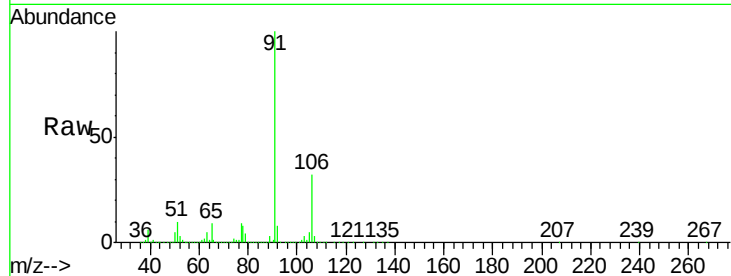
#67  
Ethyl Benzene  
Concen: 88.151 ug/l  
RT: 9.25 min Scan# 2694  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC100

Tgt Ion: 91 Resp: 1237463  
Ion Ratio Lower Upper  
91 100  
106 32.2 24.2 36.4

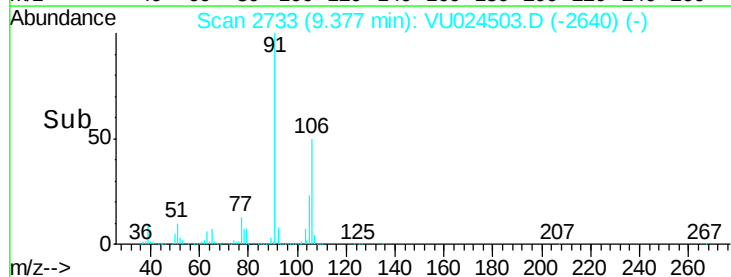
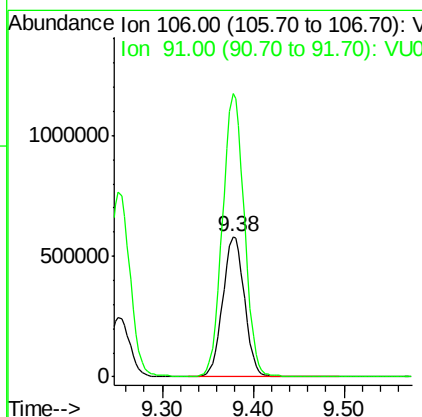
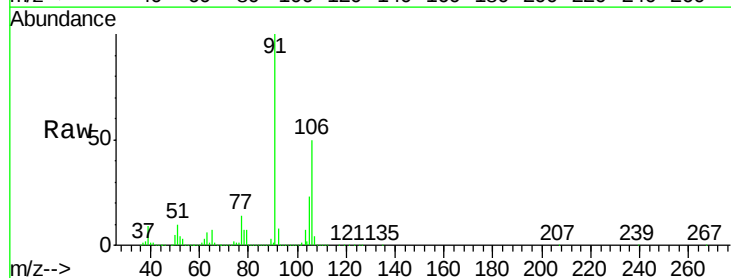
Manual Integrations  
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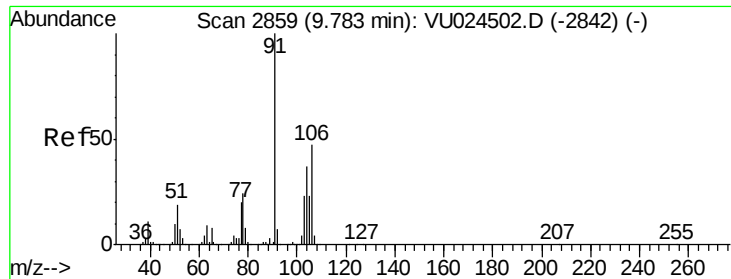
MMDadoda  
6/14/2018 9:44:37 AM



#68  
m/p-Xylenes  
Concen: 180.350 ug/l  
RT: 9.38 min Scan# 2733  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

Tgt Ion: 106 Resp: 964415  
Ion Ratio Lower Upper  
106 100  
91 202.8 166.5 249.7





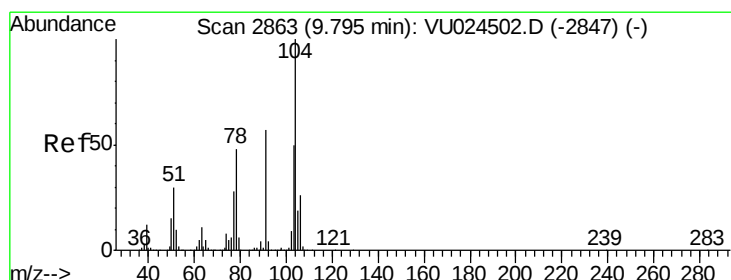
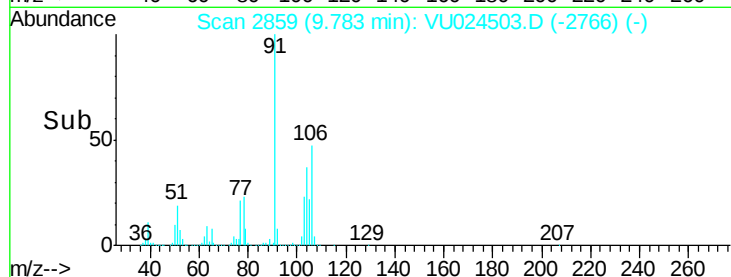
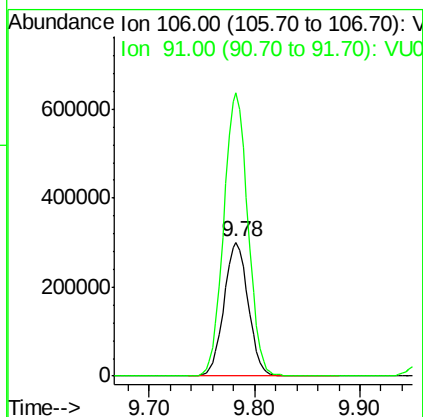
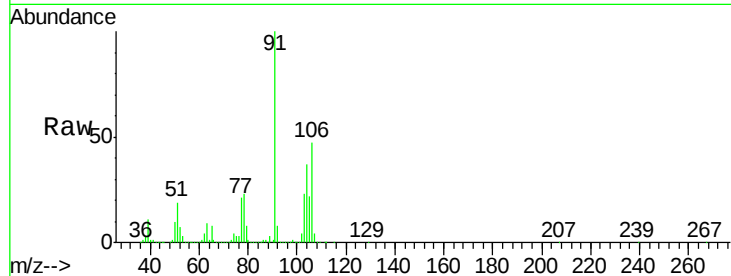
#69  
o-Xylene  
Concen: 96.835 ug/l  
RT: 9.78 min Scan# 2859  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC100

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 211.3 | 110.7 | 331.9 |

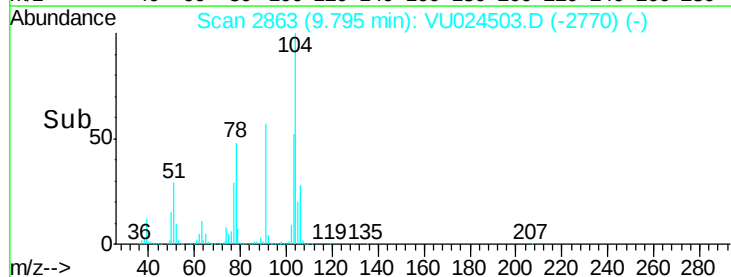
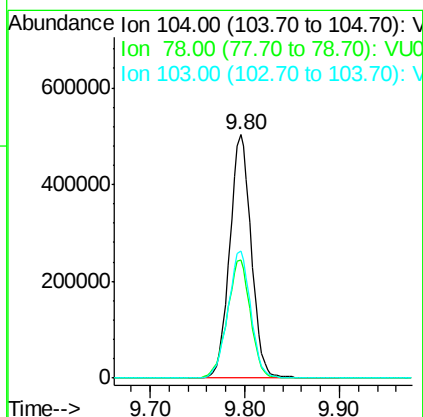
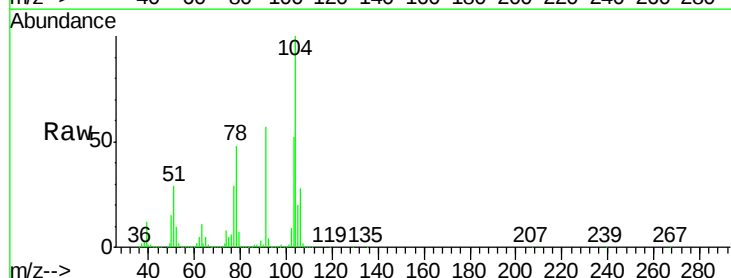
Manual Integrations  
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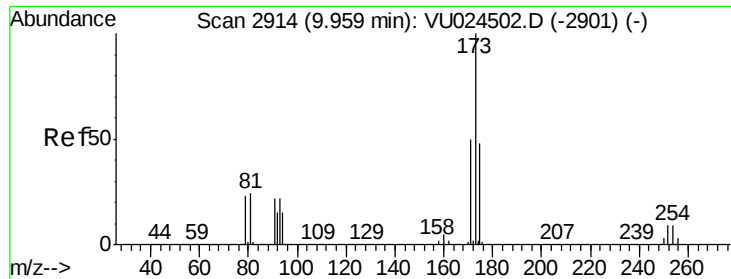
MMDadoda  
6/14/2018 9:44:37 AM



#70  
Styrene  
Concen: 94.886 ug/l  
RT: 9.80 min Scan# 2863  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 52.4  | 40.6  | 60.8  |
| 103     | 55.2  | 44.7  | 67.1  |





#71

Bromoform

Concen: 102.130 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC100

Tgt Ion:173 Resp: 263429

Ion Ratio Lower Upper

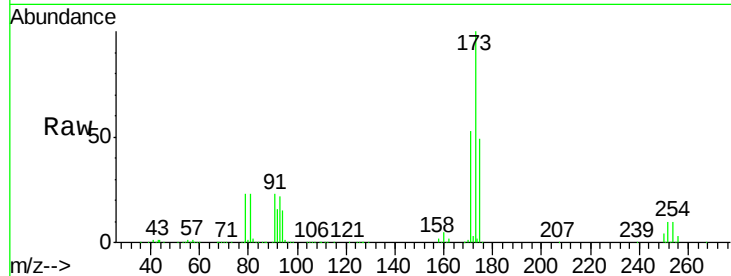
173 100

175 49.4 24.6 74.0

254 0.1 0.0 0.0#

Manual Integrations  
APPROVED

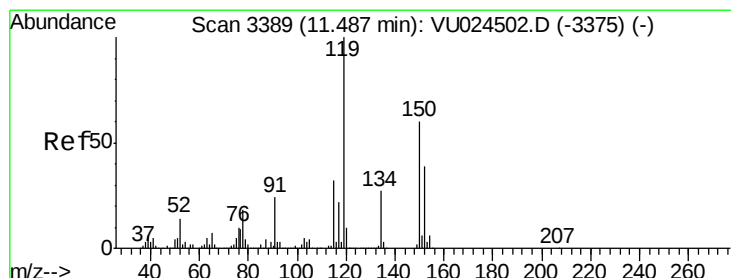
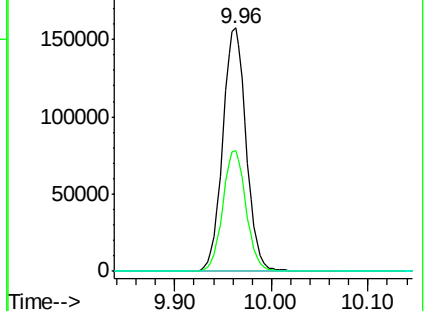
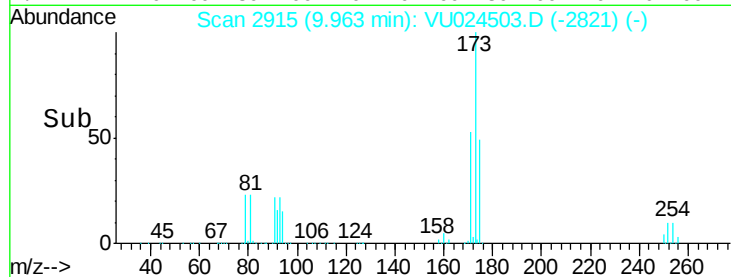
MMDadoda  
6/14/2018 9:44:37 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

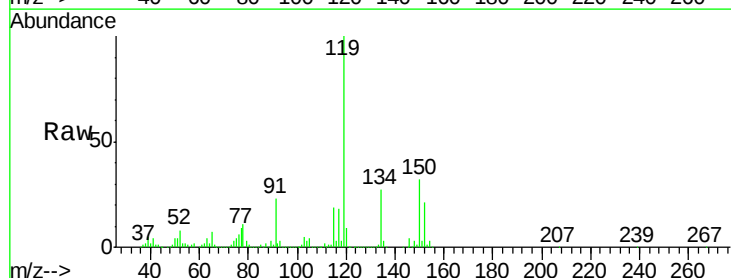
Tgt Ion:152 Resp: 187056

Ion Ratio Lower Upper

152 100

115 105.8 43.0 129.0

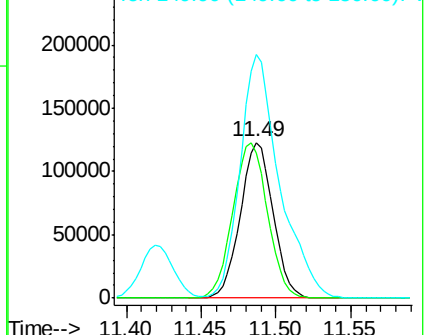
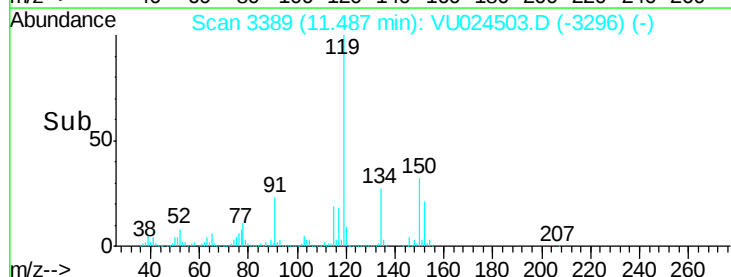
150 188.6 0.0 354.0

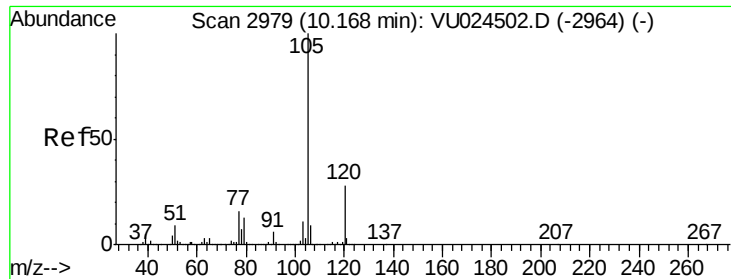


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 98.404 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC100

Tgt Ion: 105 Resp: 1268995

Ion Ratio Lower Upper

105 100

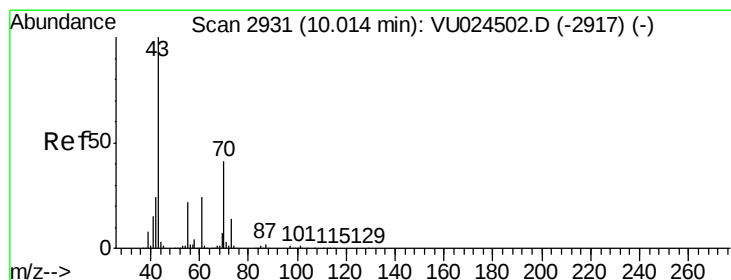
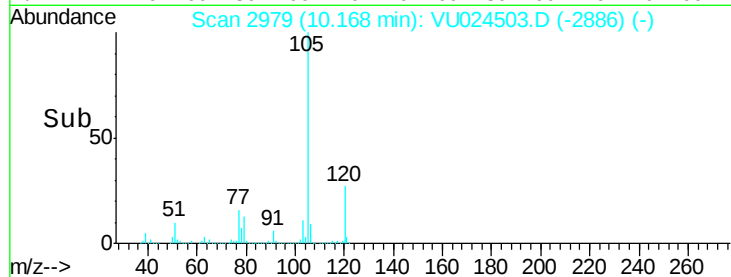
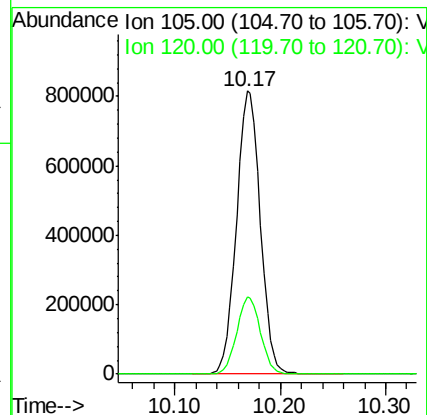
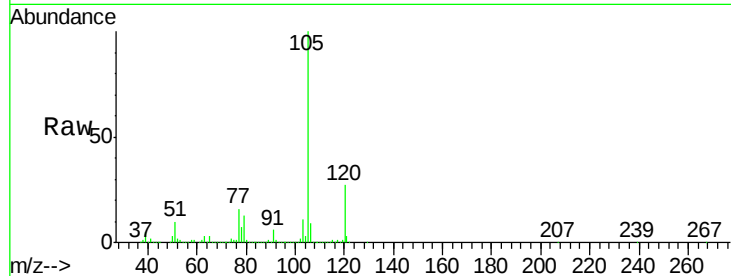
120 27.2 13.2 39.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 107.377 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

Tgt Ion: 43 Resp: 626772

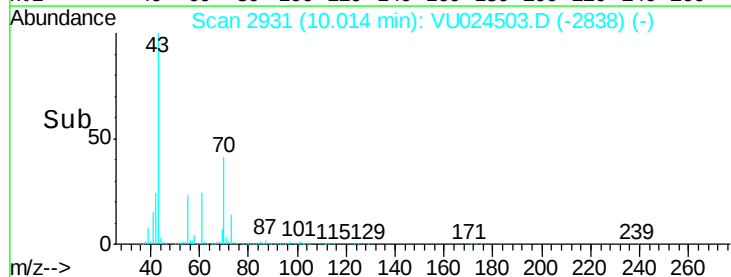
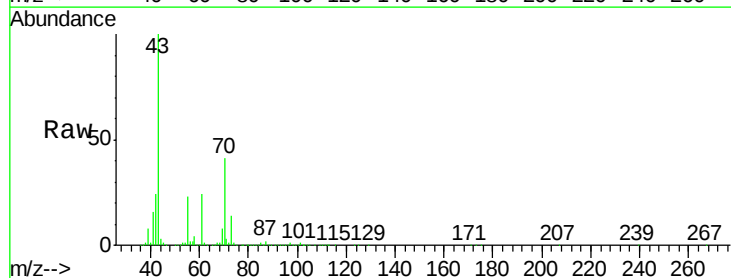
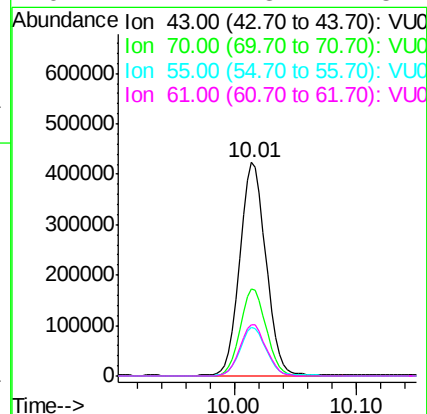
Ion Ratio Lower Upper

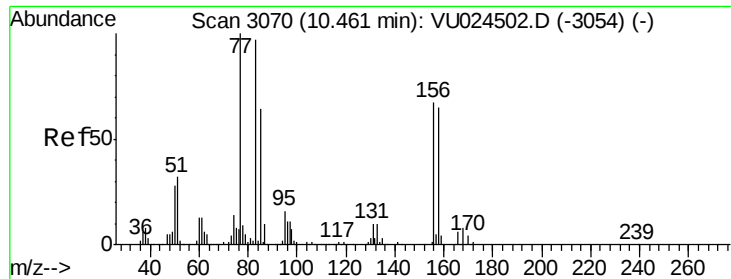
43 100

70 40.7 32.2 48.4

55 22.2 20.5 30.7

61 24.2 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 76.682 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 428904

Ion Ratio Lower Upper

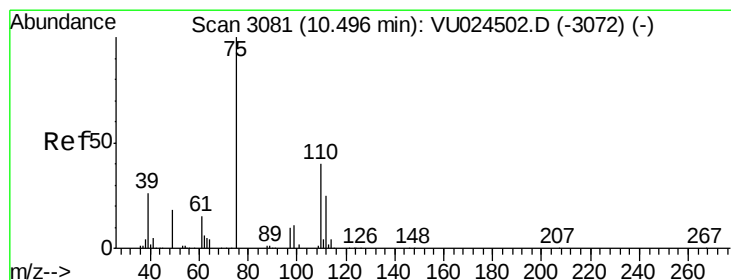
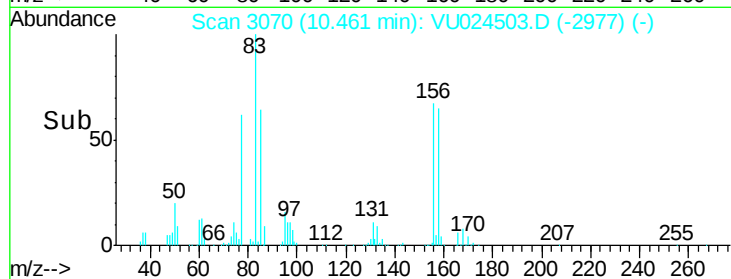
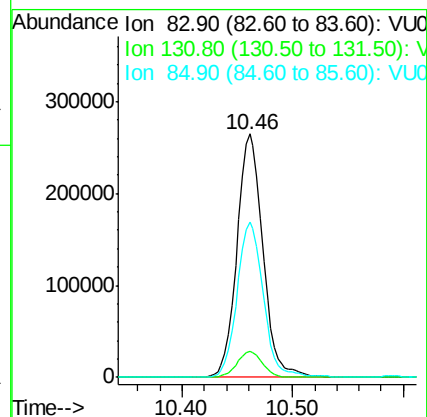
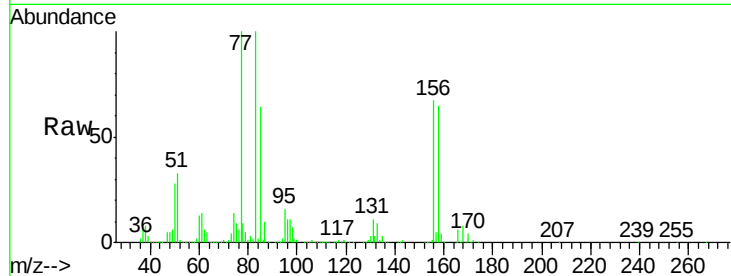
83 100

131 10.6 4.7 14.1

85 64.8 32.5 97.5

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 95.743 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU024503.D

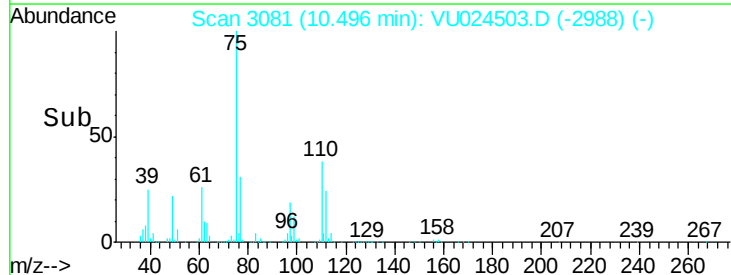
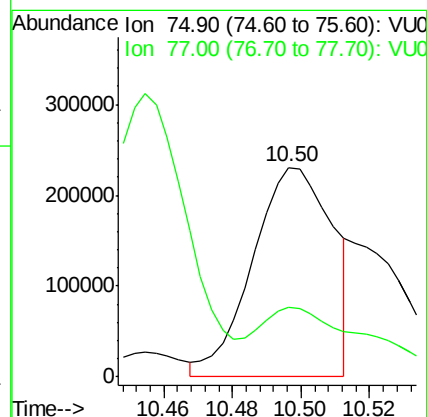
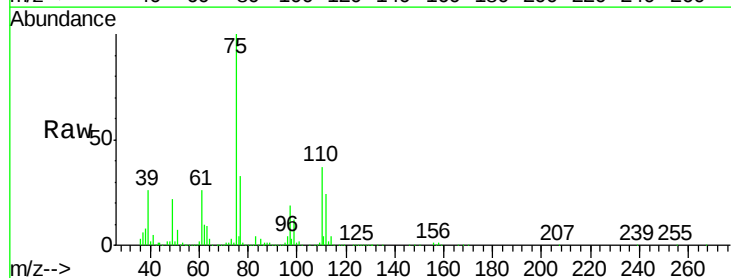
Acq: 13 Jun 2018 13:05

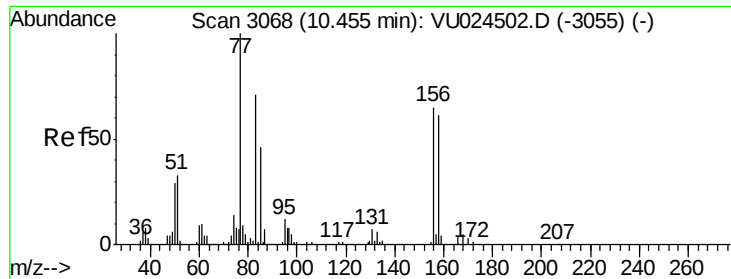
Tgt Ion: 75 Resp: 375638

Ion Ratio Lower Upper

75 100

77 44.4 20.9 62.7





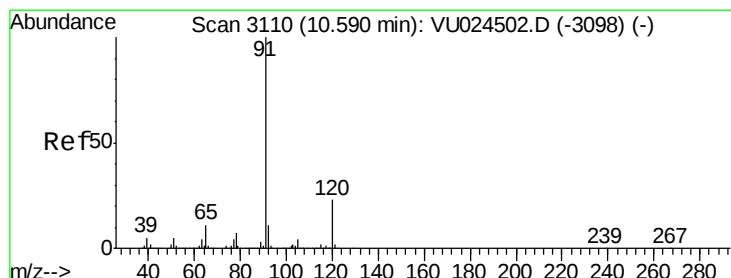
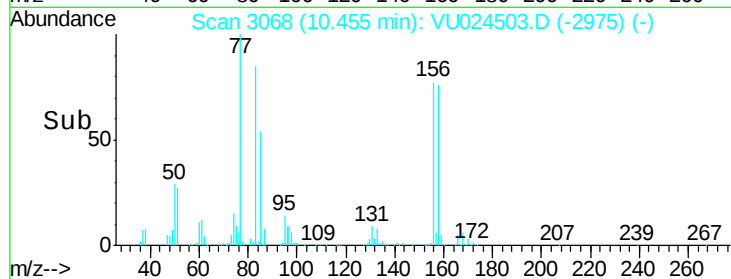
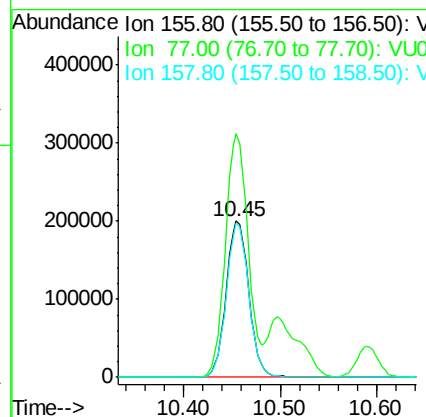
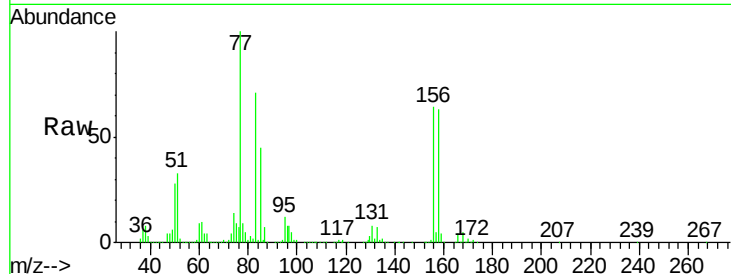
#77  
Bromobenzene  
Concen: 91.176 ug/l  
RT: 10.45 min Scan# 3068  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC100

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 155.6 | 80.5  | 241.3 |
| 158     | 97.4  | 48.2  | 144.6 |

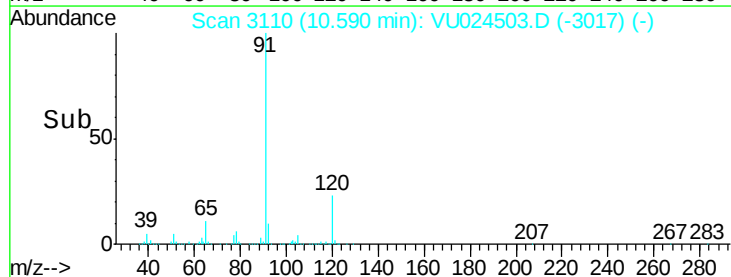
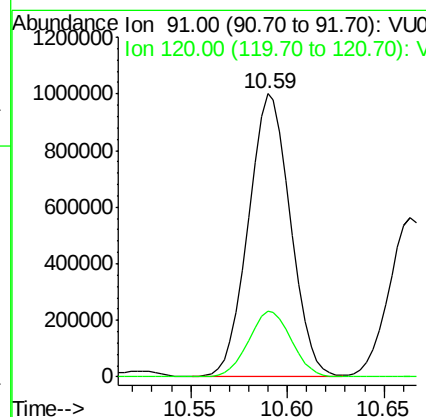
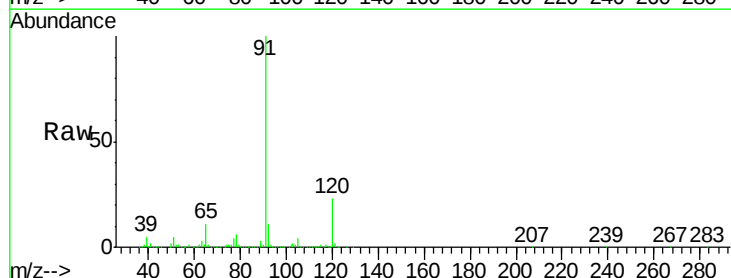
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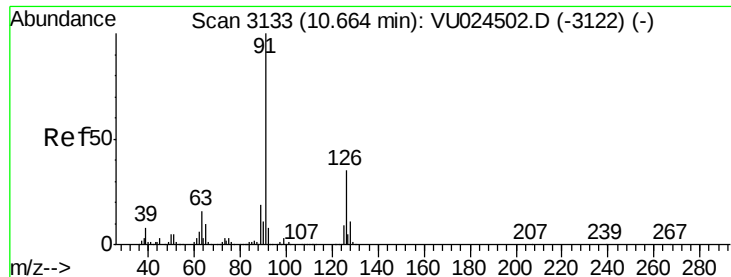
MMDadoda  
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#78  
n-propylbenzene  
Concen: 94.554 ug/l  
RT: 10.59 min Scan# 3110  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 23.7  | 11.2  | 33.5  |





#79

2-Chlorotoluene

Concen: 90.950 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 882619

Ion Ratio Lower Upper

91 100

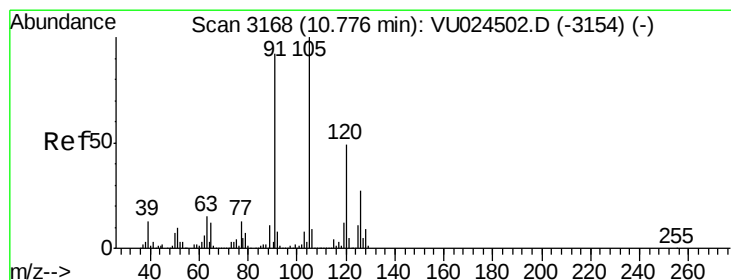
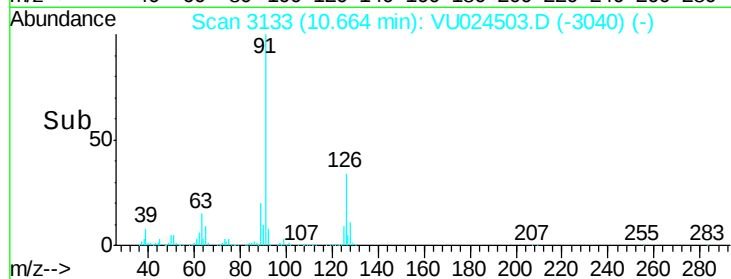
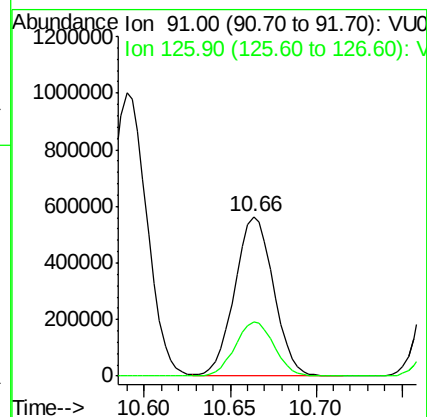
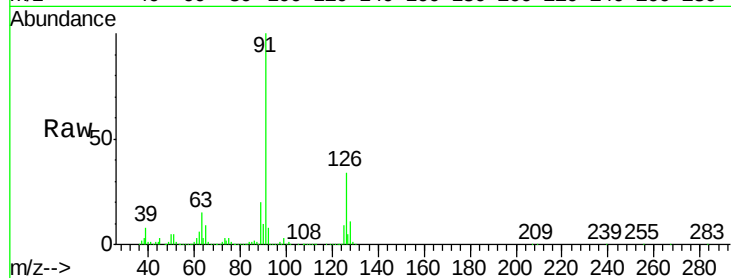
126 34.6 16.9 50.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 100.398 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024503.D

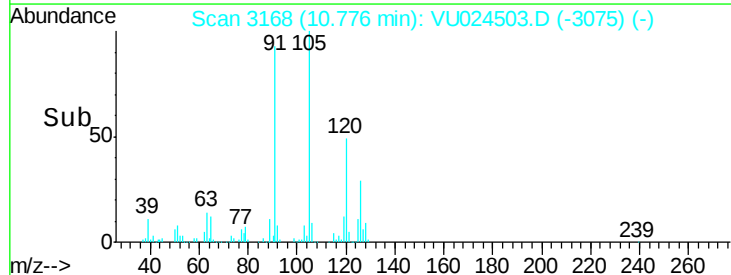
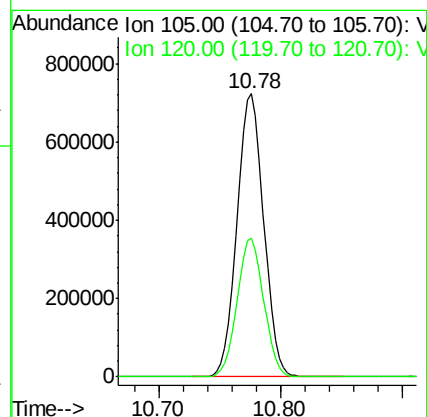
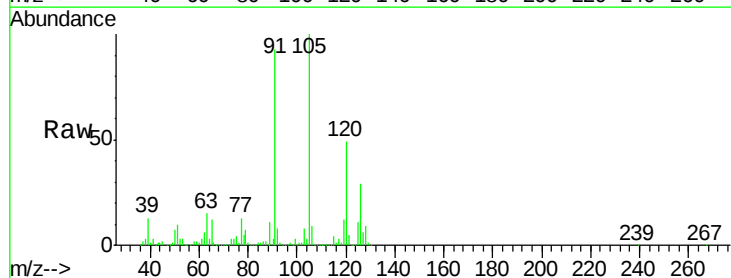
Acq: 13 Jun 2018 13:05

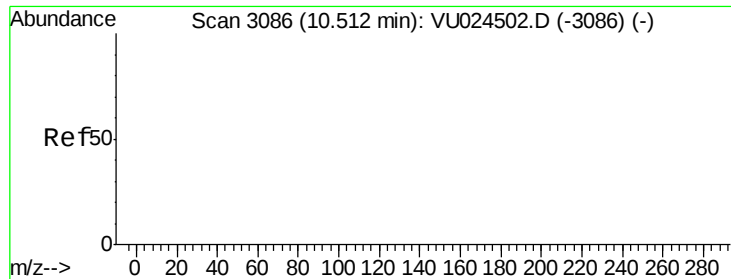
Tgt Ion: 105 Resp: 1097973

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.2





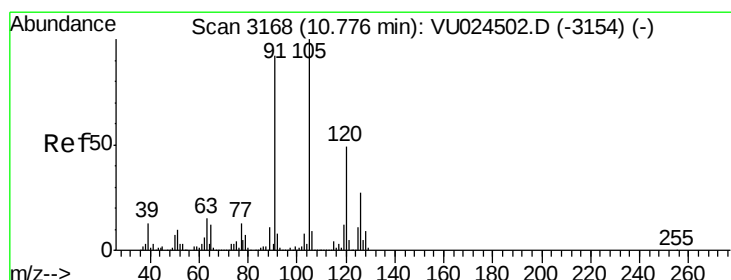
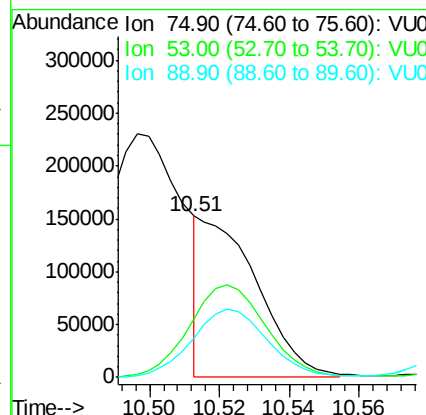
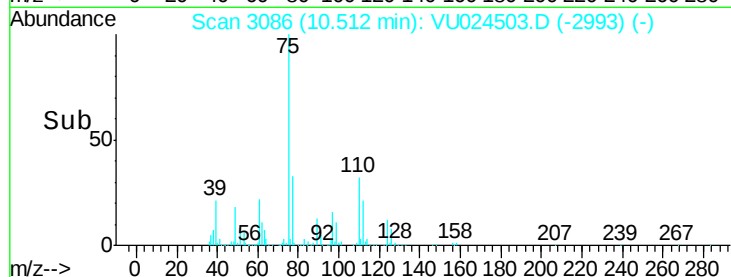
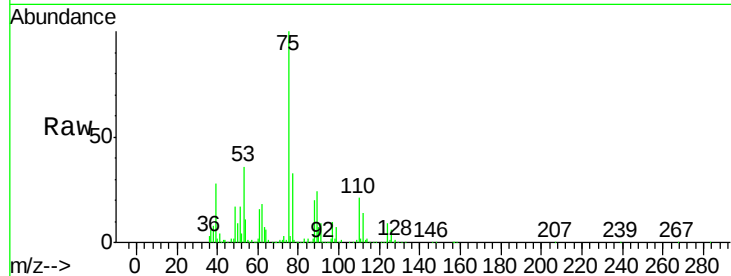
#81  
trans-1,4-Dichloro-2-butene  
Concen: 92.863 ug/l m  
RT: 10.51 min Scan# 3086  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC100

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

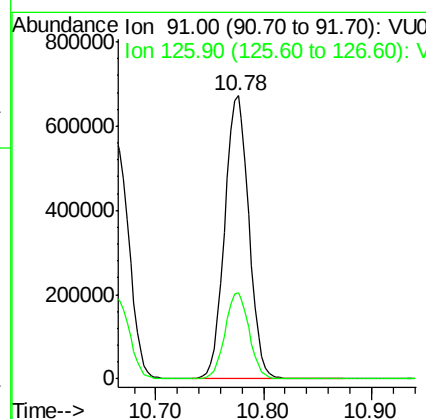
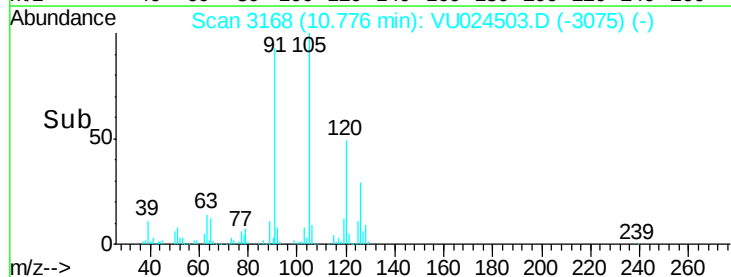
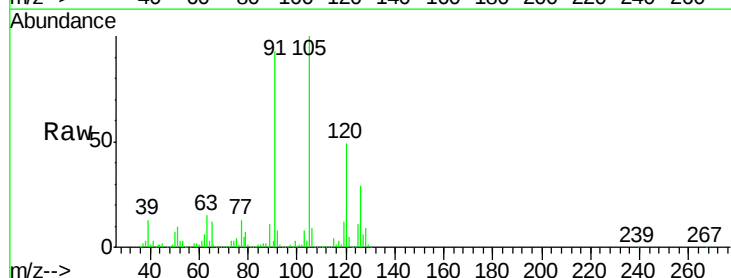
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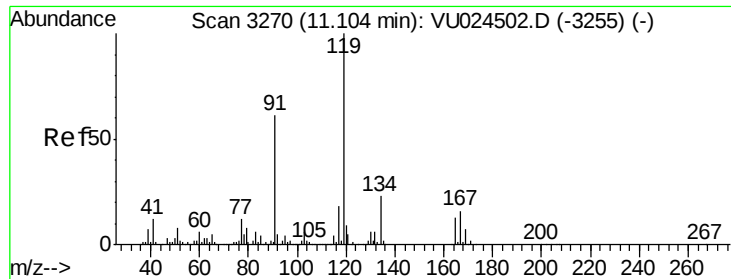
MMDadoda  
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#82  
4-Chlorotoluene  
Concen: 92.598 ug/l  
RT: 10.78 min Scan# 3168  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 30.4  | 14.9  | 44.9  |





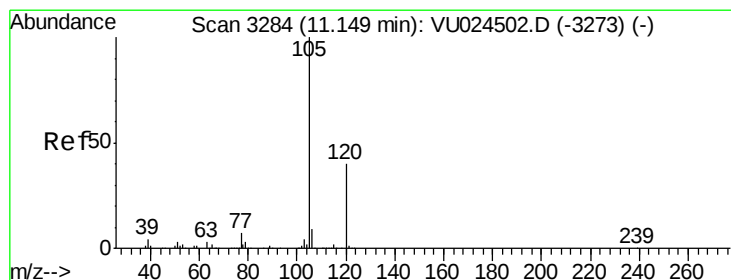
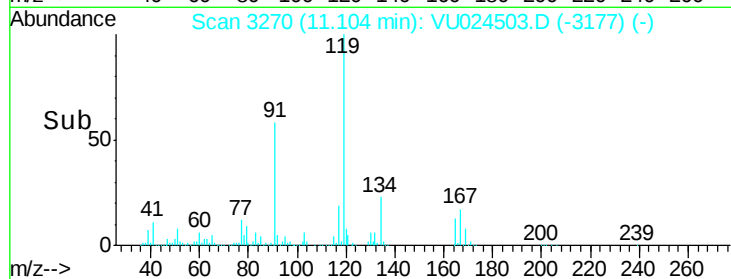
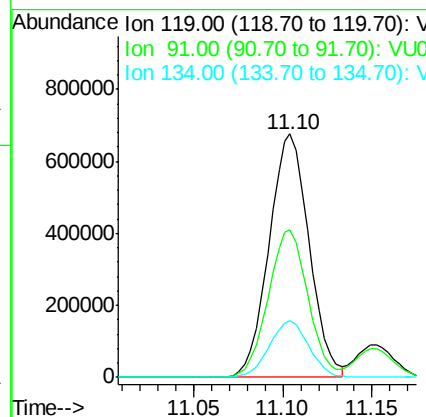
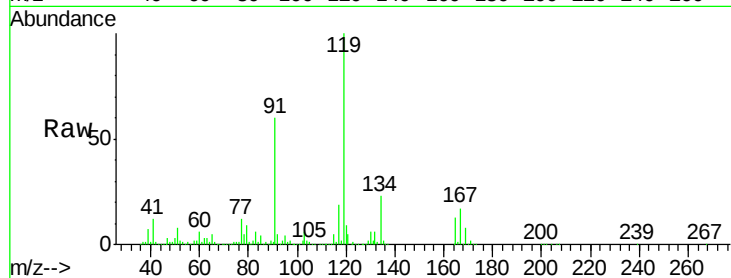
#83  
 tert-Butylbenzene  
 Concen: 99.861 ug/l  
 RT: 11.10 min Scan# 3270  
 Delta R.T. -0.00 min  
 Lab File: VU024503.D  
 Acq: 13 Jun 2018 13:05

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC100

Tgt Ion:119 Resp: 1063086  
 Ion Ratio Lower Upper  
 119 100  
 91 60.3 29.7 89.1  
 134 22.9 11.6 34.7

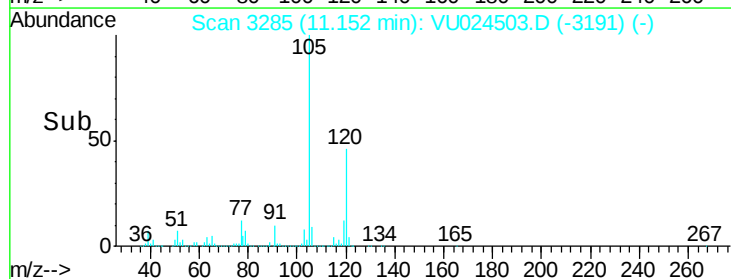
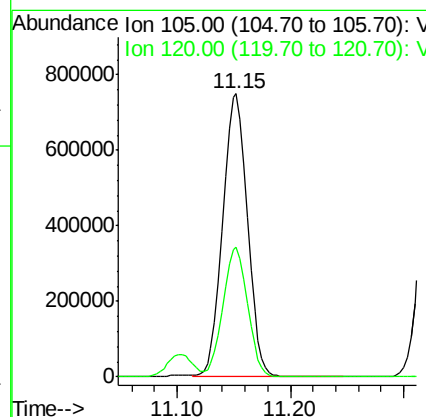
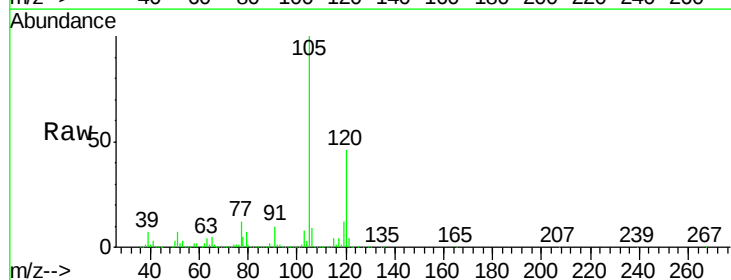
Manual Integrations  
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 103.137 ug/l  
 RT: 11.15 min Scan# 3285  
 Delta R.T. 0.00 min  
 Lab File: VU024503.D  
 Acq: 13 Jun 2018 13:05

Tgt Ion:105 Resp: 1139797  
 Ion Ratio Lower Upper  
 105 100  
 120 45.6 22.6 67.8





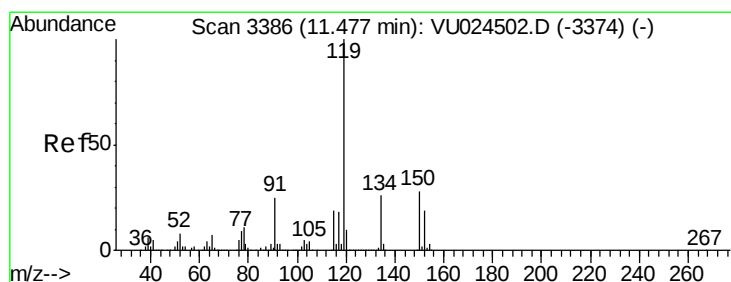
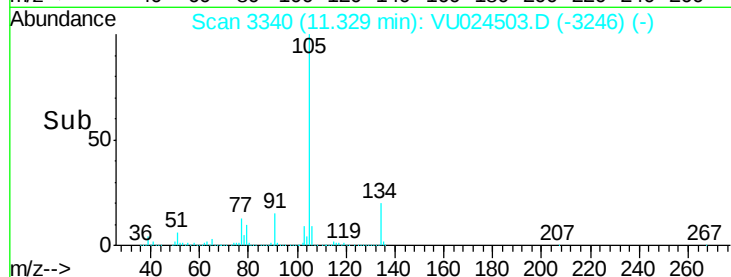
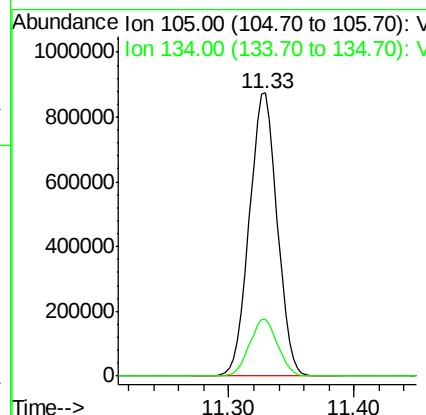
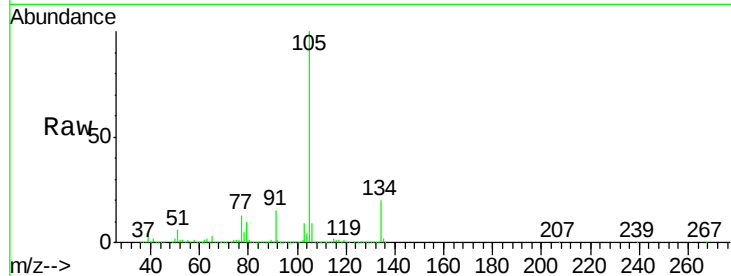
#85  
 sec-Butylbenzene  
 Concen: 101.053 ug/l  
 RT: 11.33 min Scan# 3340  
 Delta R.T. 0.00 min  
 Lab File: VU024503.D  
 Acq: 13 Jun 2018 13:05

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC100

Tgt Ion:105 Resp: 1350654  
 Ion Ratio Lower Upper  
 105 100  
 134 20.4 9.7 29.1

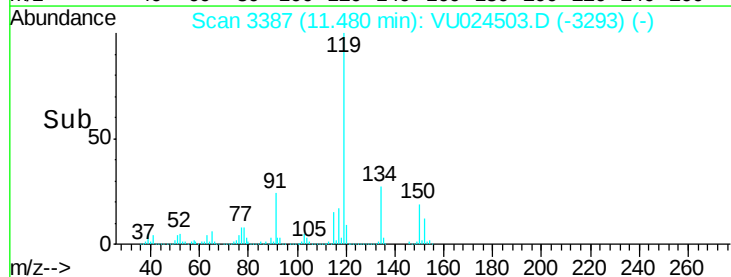
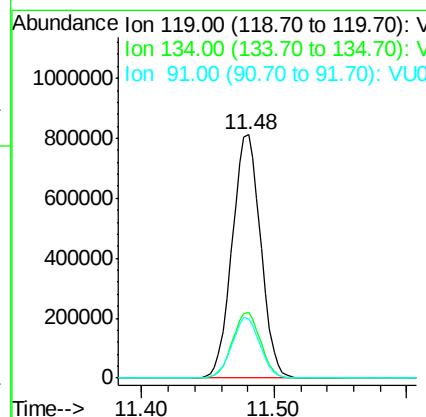
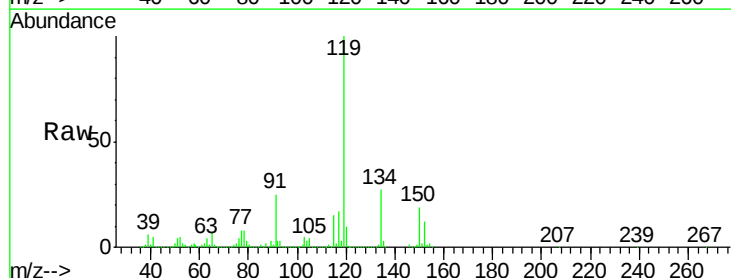
Manual Integrations  
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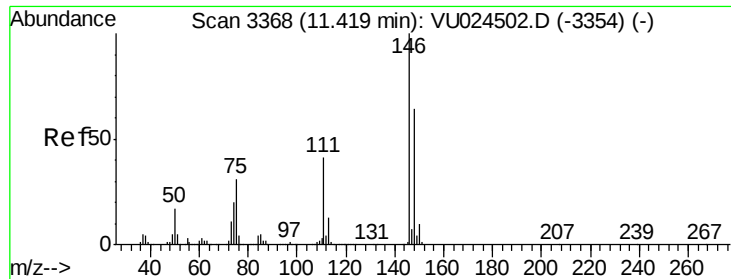
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#86  
 p-Isopropyltoluene  
 Concen: 102.422 ug/l  
 RT: 11.48 min Scan# 3387  
 Delta R.T. 0.00 min  
 Lab File: VU024503.D  
 Acq: 13 Jun 2018 13:05

Tgt Ion:119 Resp: 1209844  
 Ion Ratio Lower Upper  
 119 100  
 134 26.7 12.9 38.6  
 91 24.5 12.0 36.1





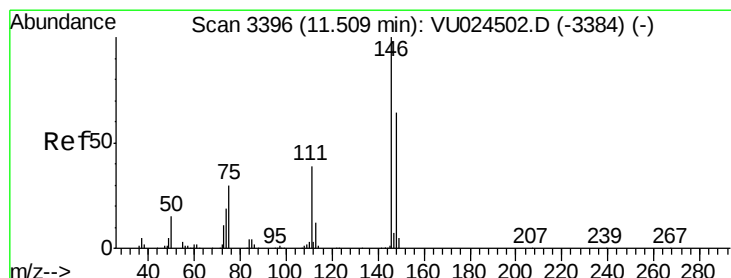
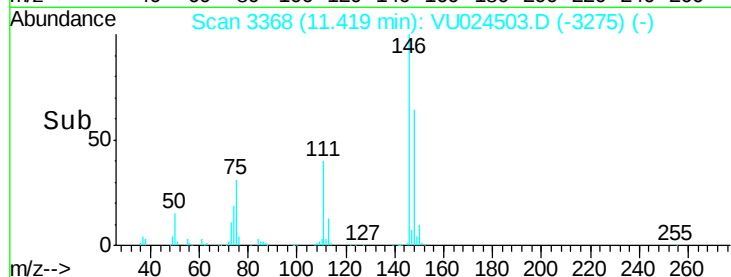
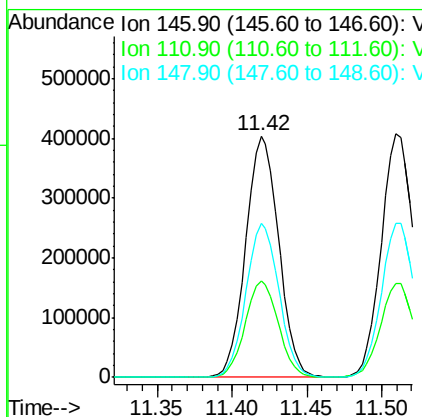
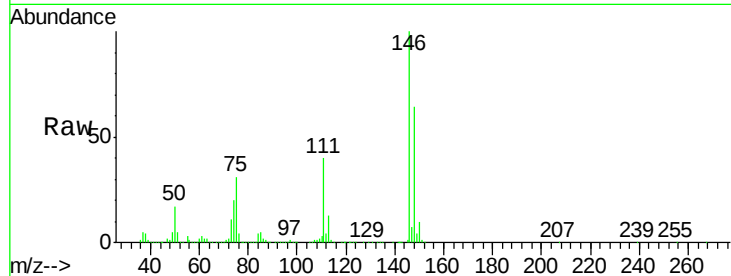
#87  
 1,3-Dichlorobenzene  
 Concen: 90.511 ug/l  
 RT: 11.42 min Scan# 3368  
 Delta R.T. -0.00 min  
 Lab File: VU024503.D  
 Acq: 13 Jun 2018 13:05

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC100

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.0  | 20.0  | 60.0  |
| 148     | 63.8  | 32.1  | 96.5  |

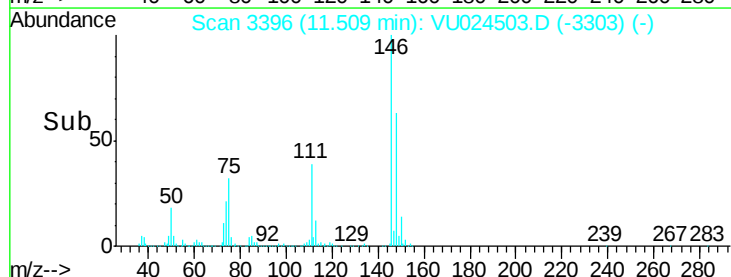
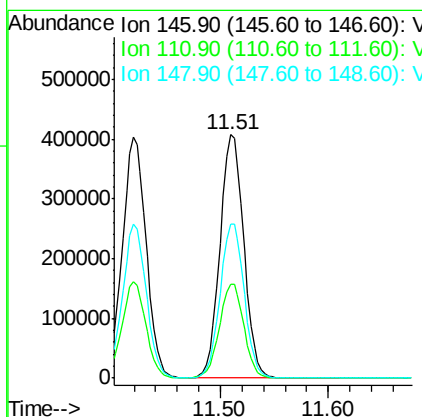
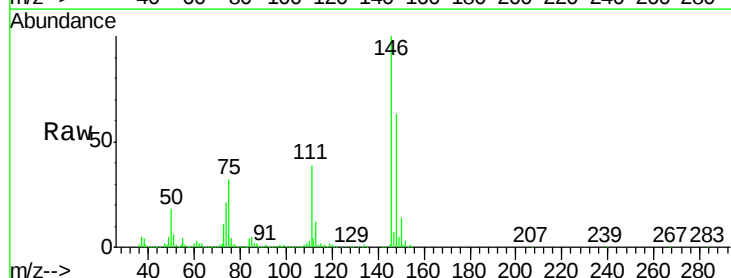
Manual Integrations  
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#88  
 1,4-Dichlorobenzene  
 Concen: 86.965 ug/l  
 RT: 11.51 min Scan# 3396  
 Delta R.T. -0.00 min  
 Lab File: VU024503.D  
 Acq: 13 Jun 2018 13:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.4  | 19.5  | 58.5  |
| 148     | 64.0  | 32.4  | 97.0  |





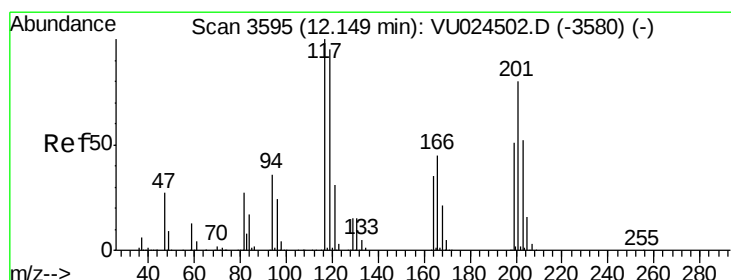
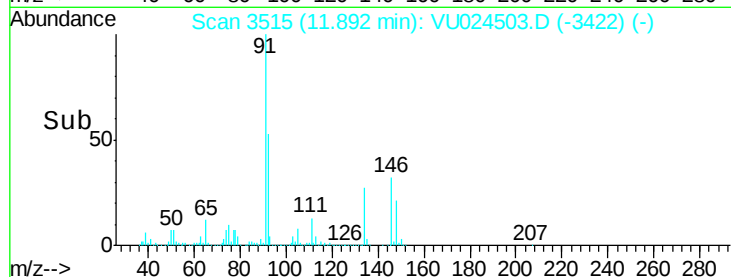
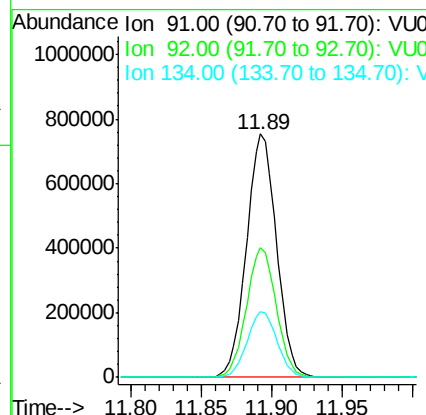
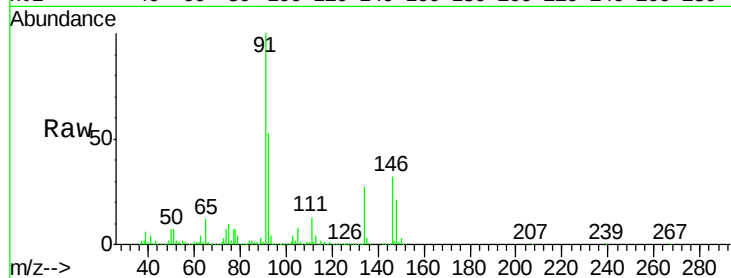
#89  
n-Butylbenzene  
Concen: 96.387 ug/l  
RT: 11.89 min Scan# 3515  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC100

Tgt Ion: 91 Resp: 1120305  
Ion Ratio Lower Upper  
91 100  
92 53.0 25.6 76.8  
134 27.1 12.3 36.8

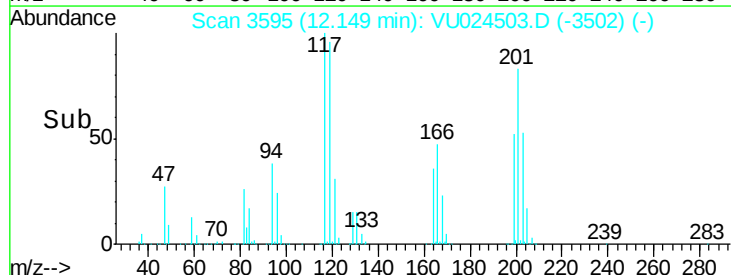
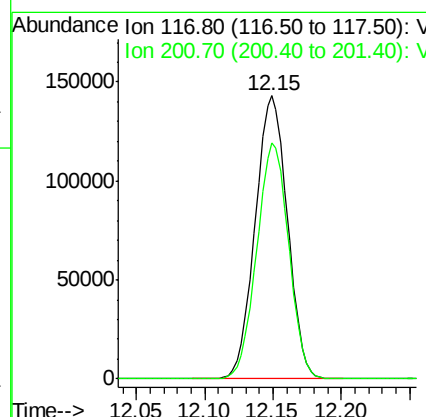
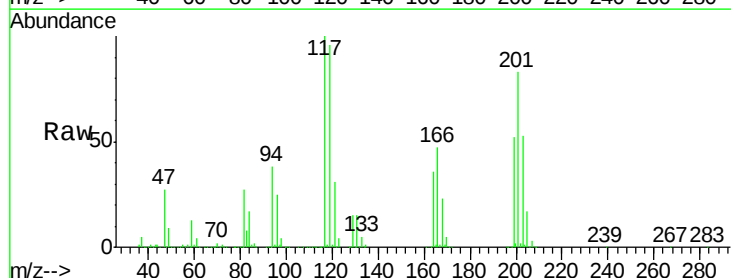
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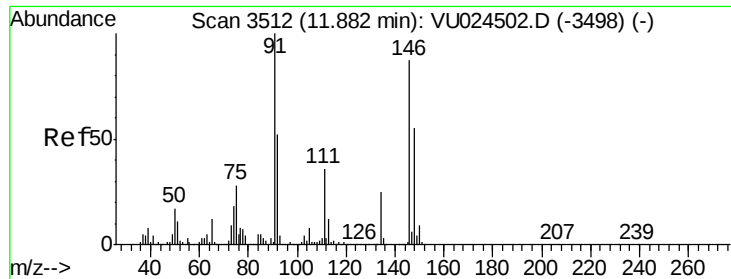
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#90  
Hexachloroethane  
Concen: 110.861 ug/l  
RT: 12.15 min Scan# 3595  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

Tgt Ion: 117 Resp: 234761  
Ion Ratio Lower Upper  
117 100  
201 82.6 41.1 123.3





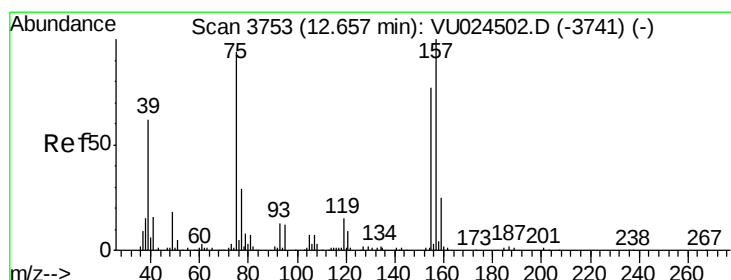
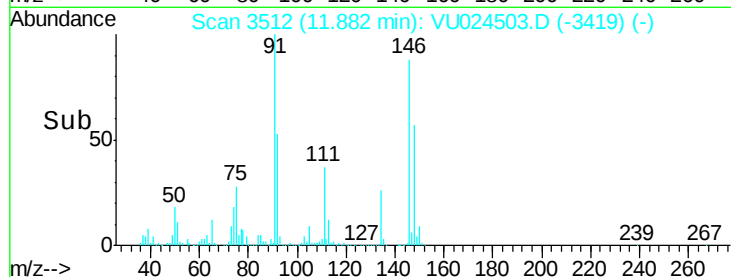
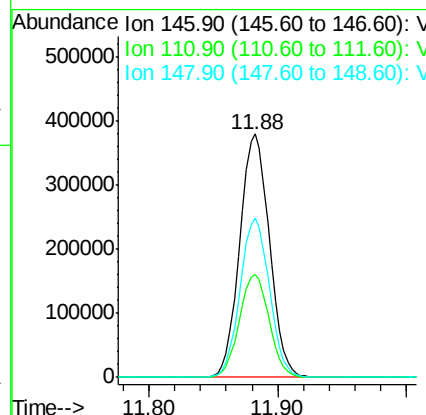
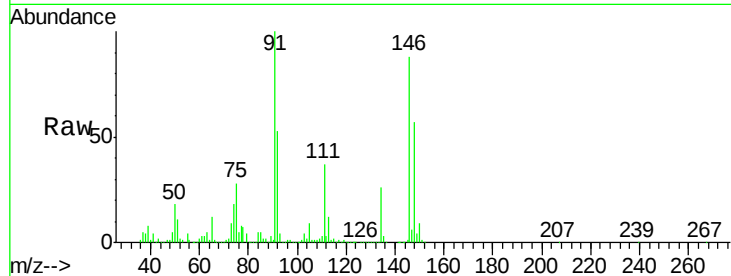
#91  
 1,2-Dichlorobenzene  
 Concen: 88.786 ug/l  
 RT: 11.88 min Scan# 3512  
 Delta R.T. -0.00 min  
 Lab File: VU024503.D  
 Acq: 13 Jun 2018 13:05

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC100

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.2  | 20.5  | 61.6  |
| 148     | 64.6  | 31.9  | 95.7  |

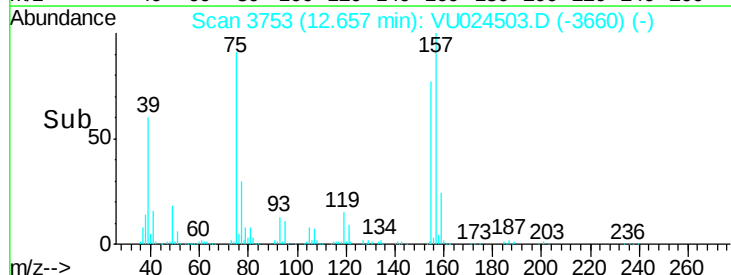
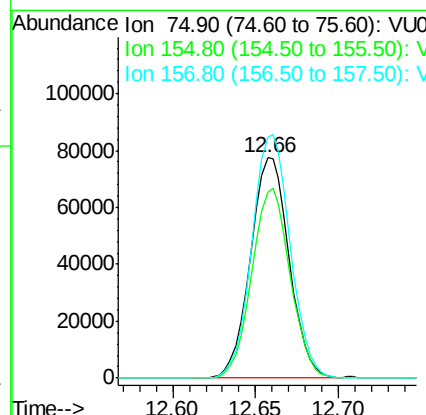
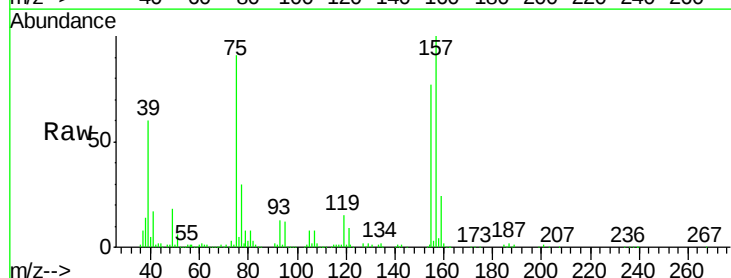
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 109.941 ug/l  
 RT: 12.66 min Scan# 3753  
 Delta R.T. -0.00 min  
 Lab File: VU024503.D  
 Acq: 13 Jun 2018 13:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 85.3  | 40.4  | 121.2 |
| 157     | 109.7 | 52.3  | 156.8 |





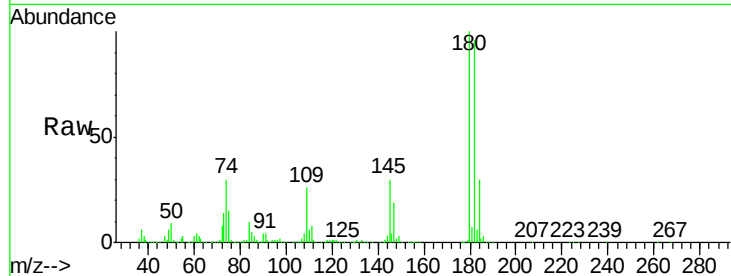
#93  
1,2,4-Trichlorobenzene  
Concen: 108.928 ug/l  
RT: 13.51 min Scan# 4017  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC100

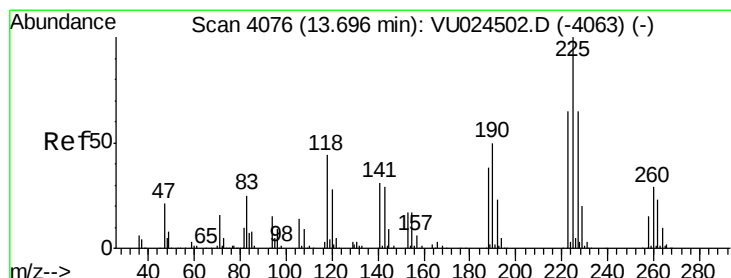
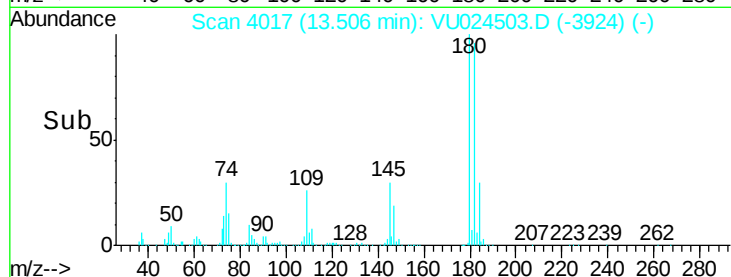
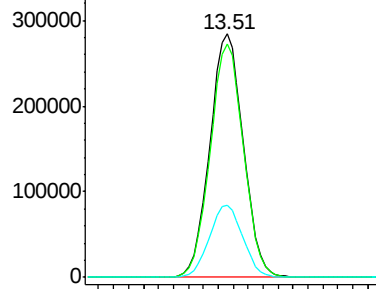
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 441586 |       |       |
| 182     | 95.7  | 48.0   | 144.2 |       |
| 145     | 29.9  | 14.7   | 44.1  |       |

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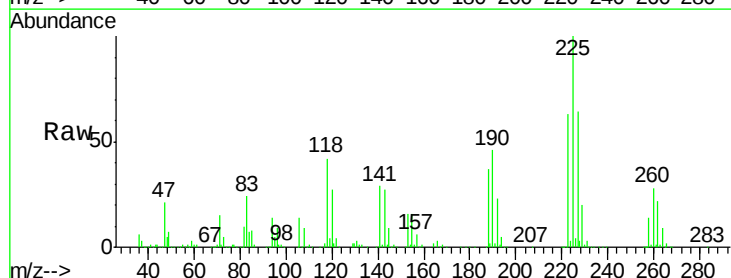


Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.80 (144.50 to 145.50): V

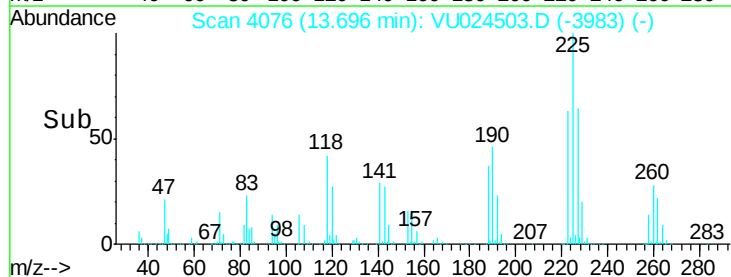
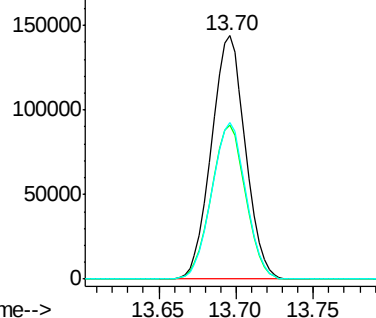


#94  
Hexachlorobutadiene  
Concen: 91.217 ug/l  
RT: 13.70 min Scan# 4076  
Delta R.T. -0.00 min  
Lab File: VU024503.D  
Acq: 13 Jun 2018 13:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 219655 |       |       |
| 223     | 64.1  | 31.3   | 93.8  |       |
| 227     | 64.8  | 31.8   | 95.4  |       |



Abundance Ion 224.70 (224.40 to 225.40): V  
Ion 222.70 (222.40 to 223.40): V  
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 122.987 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC100

Tgt Ion:128 Resp: 1363320

Ion Ratio Lower Upper

128 100

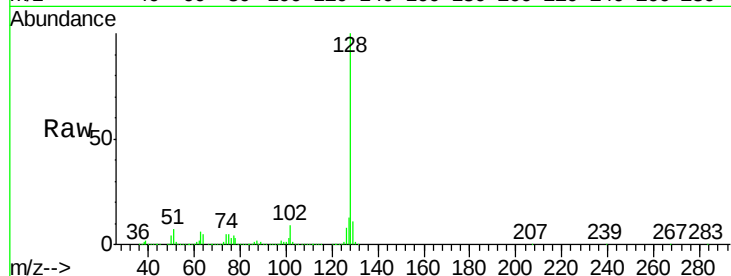
127 12.9 10.6 16.0

129 10.7 8.6 12.8

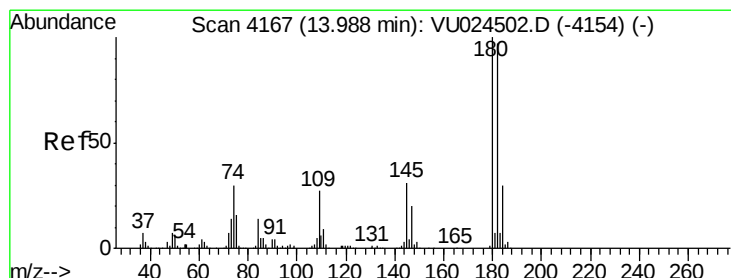
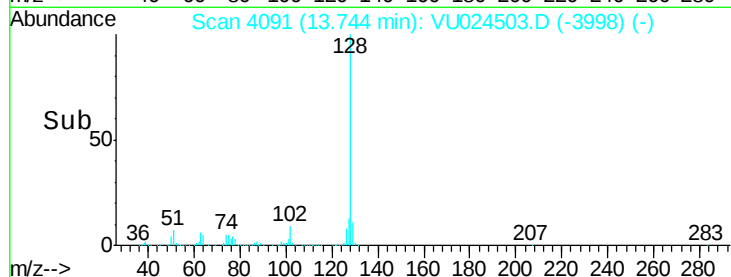
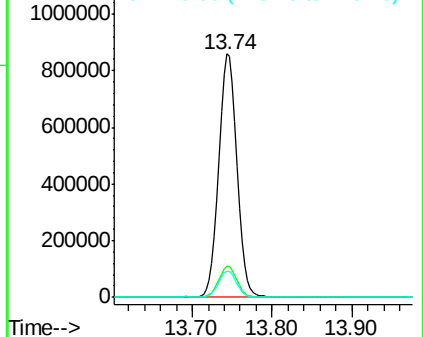
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Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 107.529 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU024503.D

Acq: 13 Jun 2018 13:05

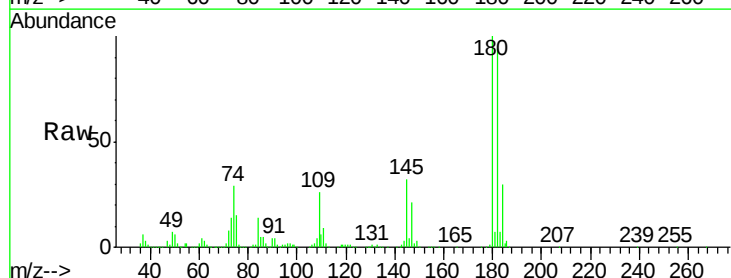
Tgt Ion:180 Resp: 440487

Ion Ratio Lower Upper

180 100

182 95.5 47.9 143.7

145 31.8 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.90 (144.60 to 145.60): V

