

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012418\  
 Data File : VW000940.D  
 Acq On : 24 Jan 2018 10:20  
 Operator : JC/SY  
 Sample : VSTDCCC050  
 Misc : 5.0G/5.0ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 1/25/2018 1:33:53 PM

Quant Time: Jan 24 15:14:31 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_W\METHOD\82W012318S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 23 13:31:00 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 268079   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 362601   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 331751   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 176883   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 124594   | 48.49 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.98%  |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 113137   | 50.93 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.86% |      |
| 50) Toluene-d8            | 10.33  | 98  | 459354   | 52.45 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.90% |      |
| 62) 4-Bromofluorobenzene  | 12.63  | 95  | 161130   | 50.52 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.04% |      |

## Target Compounds

|                               |      |     |        |        |      | Qvalue |
|-------------------------------|------|-----|--------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 2.00 | 85  | 130979 | 50.67  | ug/l | 99     |
| 3) Chloromethane              | 2.21 | 50  | 111491 | 48.81  | ug/l | 100    |
| 4) Vinyl Chloride             | 2.35 | 62  | 106792 | 50.26  | ug/l | 99     |
| 5) Bromomethane               | 2.75 | 94  | 80968  | 60.59  | ug/l | 97     |
| 6) Chloroethane               | 2.91 | 64  | 60083  | 50.89  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 198606 | 50.76  | ug/l | 96     |
| 8) Diethyl Ether              | 3.68 | 74  | 47051  | 48.01  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.05 | 101 | 118271 | 46.79  | ug/l | 99     |
| 10) Methyl Iodide             | 4.26 | 142 | 116335 | 44.06  | ug/l | 99     |
| 11) Tert butyl alcohol        | 5.18 | 59  | 71273  | 255.78 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 4.03 | 96  | 99848  | 45.96  | ug/l | 95     |
| 13) Acrolein                  | 3.89 | 56  | 52819  | 194.15 | ug/l | 98     |
| 14) Allyl chloride            | 4.67 | 41  | 166639 | 49.23  | ug/l | 99     |
| 15) Acrylonitrile             | 5.37 | 53  | 175203 | 228.87 | ug/l | 99     |
| 16) Acetone                   | 4.13 | 43  | 210506 | 202.46 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.37 | 76  | 374749 | 52.23  | ug/l | 99     |
| 18) Methyl Acetate            | 4.67 | 43  | 78859  | 41.72  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.43 | 73  | 271379 | 48.63  | ug/l | 94     |
| 20) Methylene Chloride        | 4.91 | 84  | 118288 | 51.18  | ug/l | 93     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 128366 | 50.86  | ug/l | 95     |
| 22) Diisopropyl ether         | 6.32 | 45  | 312518 | 51.57  | ug/l | 99     |
| 23) Vinyl Acetate             | 6.26 | 43  | 913334 | 242.55 | ug/l | 97     |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 205354 | 50.62  | ug/l | 99     |
| 25) 2-Butanone                | 7.18 | 43  | 254483 | 223.87 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 7.17 | 77  | 203379 | 49.53  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 129624 | 49.69  | ug/l | 98     |
| 28) Bromochloromethane        | 7.51 | 49  | 82455  | 48.39  | ug/l | 100    |
| 29) Tetrahydrofuran           | 7.53 | 42  | 142015 | 227.06 | ug/l | 99     |
| 30) Chloroform                | 7.68 | 83  | 216991 | 49.60  | ug/l | 99     |
| 31) Cyclohexane               | 7.95 | 56  | 198868 | 47.49  | ug/l | 100    |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 214016 | 50.62  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 181149 | 52.36  | ug/l | 99     |
| 37) Ethyl Acetate             | 7.26 | 43  | 91636  | 46.92  | ug/l | 98     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 198301 | 51.96  | ug/l | 99     |

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 Misc : 5.0G/5.0ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
 VSTDCCC050

Manual Integrations  
 APPROVED

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 1/25/2018 1:33:53 PM

Quant Time: Jan 24 15:14:31 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_W\METHOD\82W012318S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 23 13:31:00 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 217617   | 52.22  | ug/l   | 95       |
| 40) Benzene                    | 8.32  | 78   | 485051   | 51.56  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.49  | 41   | 55031    | 50.21  | ug/l   | 95       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 146764   | 50.63  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.43  | 43   | 155290   | 46.91  | ug/l   | 99       |
| 44) Trichloroethene            | 9.09  | 130  | 142080   | 50.83  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 113594   | 51.76  | ug/l   | 99       |
| 46) Dibromomethane             | 9.46  | 93   | 69533    | 49.59  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.65  | 83   | 158382   | 51.07  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.44  | 41   | 76289    | 47.98  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.45  | 88   | 27816    | 907.58 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 10.22 | 43   | 446920   | 234.61 | ug/l   | 99       |
| 52) Toluene                    | 10.40 | 92   | 310038   | 52.17  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.62 | 75   | 159984   | 50.92  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 10.08 | 75   | 178421   | 51.62  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 98919    | 50.52  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.66 | 69   | 117806   | 45.17  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.94 | 76   | 161215   | 50.42  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 339428   | 229.83 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.98 | 43   | 353318   | 213.27 | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.14 | 129  | 120282   | 50.86  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 99303    | 48.68  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.87 | 164  | 136883   | 49.71  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.67 | 112  | 346917   | 50.97  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 126009   | 51.56  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.74 | 91   | 603741   | 52.51  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.85 | 106  | 474810   | 106.25 | ug/l   | 99       |
| 69) o-Xylene                   | 12.18 | 106  | 215336   | 52.54  | ug/l   | 99       |
| 70) Styrene                    | 12.19 | 104  | 356788   | 53.41  | ug/l   | 99       |
| 71) Bromoform                  | 12.37 | 173  | 82296    | 49.63  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.48 | 105  | 610150   | 53.38  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.29 | 43   | 136172   | 49.06  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.73 | 83   | 122352   | 50.09  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.78 | 75   | 96215m   | 47.01  | ug/l   |          |
| 77) Bromobenzene               | 12.76 | 156  | 150713   | 51.83  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.82 | 91   | 739368   | 53.62  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 412356   | 53.01  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.96 | 105  | 519004   | 53.38  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.53 | 75   | 33401    | 41.76  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 439301   | 53.16  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.22 | 119  | 451448   | 52.99  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 532976   | 54.20  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.40 | 105  | 643293   | 52.32  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.52 | 119  | 585209   | 53.66  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.52 | 146  | 298951   | 51.83  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 298563   | 51.77  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.84 | 91   | 545475   | 53.25  | ug/l   | 100      |
| 90) Hexachloroethane           | 14.12 | 117  | 104507   | 51.56  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.89 | 146  | 266687   | 51.33  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51 | 75   | 25481    | 47.26  | ug/l   | 99       |

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Operator : JC/SY  
Sample : VSTDCCC050  
Misc : 5.0G/5.0ML/MSVOA W/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

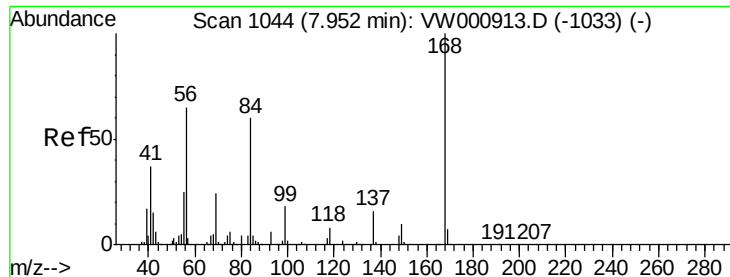
MMDadoda  
1/25/2018 1:33:53 PM

Quant Time: Jan 24 15:14:31 2018  
Quant Method : W:\HPCHEM1\MSVOA\_W\METHOD\82W012318S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 23 13:31:00 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.16 | 180  | 201934   | 52.15 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.26 | 225  | 126406   | 51.50 | ug/l  | 99       |
| 95) Naphthalene            | 15.40 | 128  | 432098   | 52.87 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.58 | 180  | 187139   | 52.54 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 268079

Ion Ratio Lower Upper

168 100

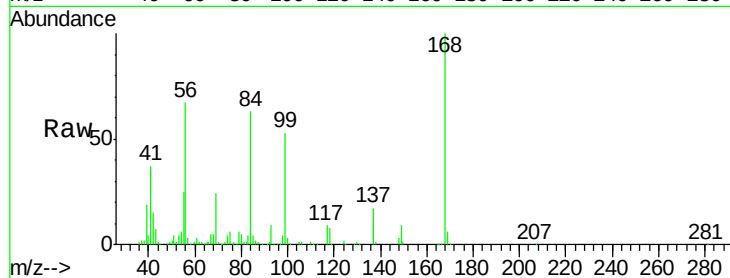
99 52.5 40.6 61.0

Manual Integrations

APPROVED

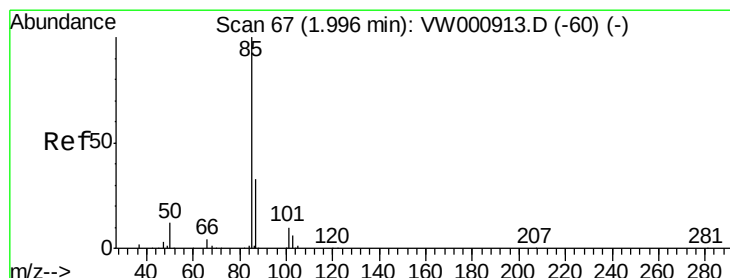
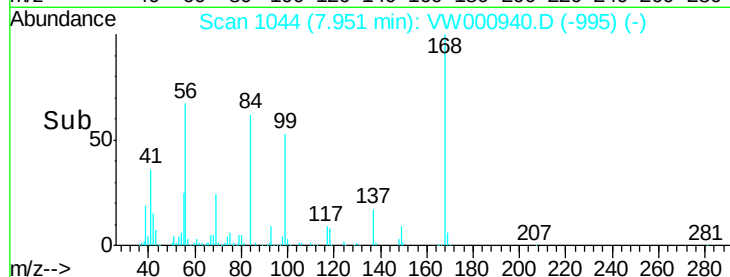
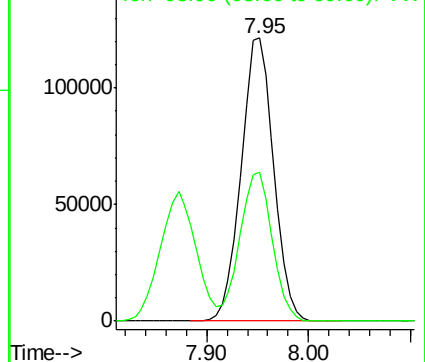
MMDadoda

1/25/2018 1:33:53 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 50.67 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.01 min

Lab File: VW000940.D

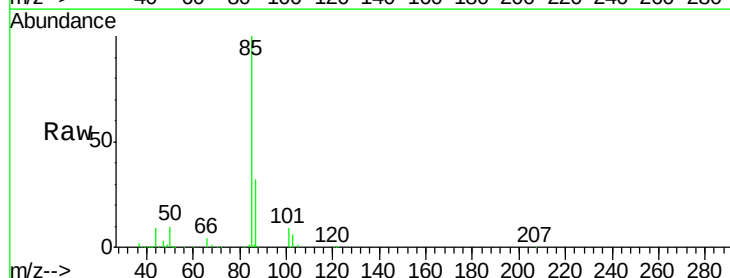
Acq: 24 Jan 2018 10:20

Tgt Ion: 85 Resp: 130979

Ion Ratio Lower Upper

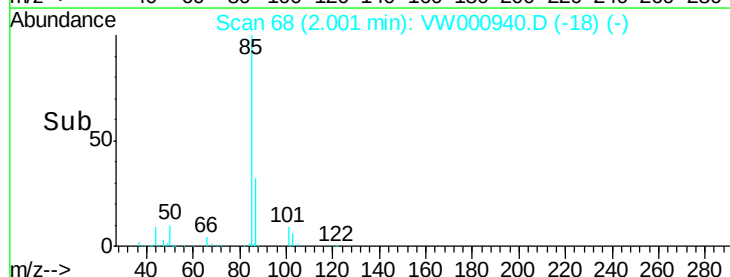
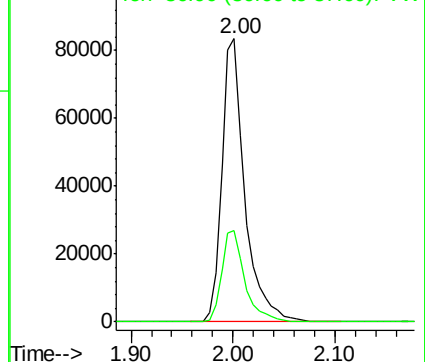
85 100

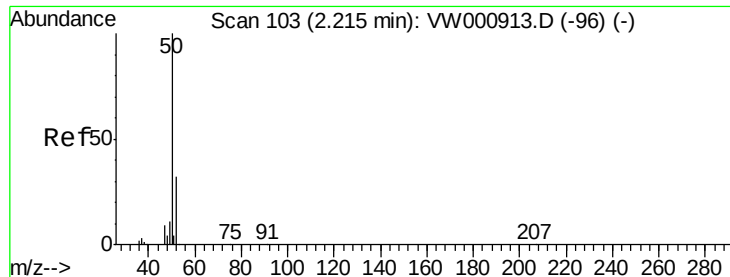
87 32.4 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 48.81 ug/l

RT: 2.21 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 111491

Ion Ratio Lower Upper

50 100

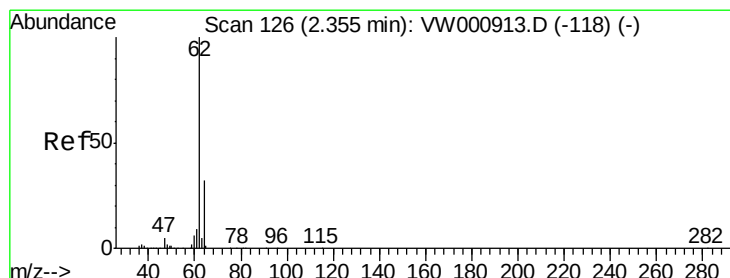
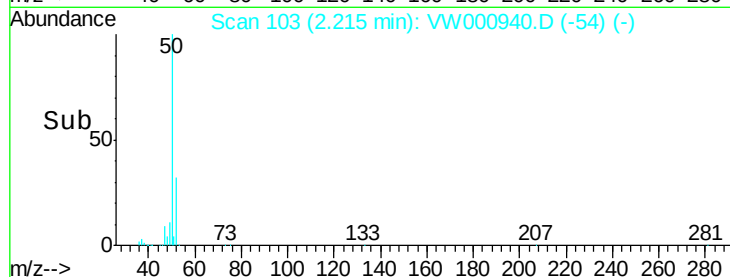
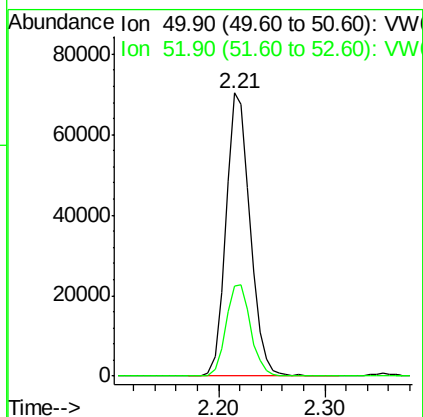
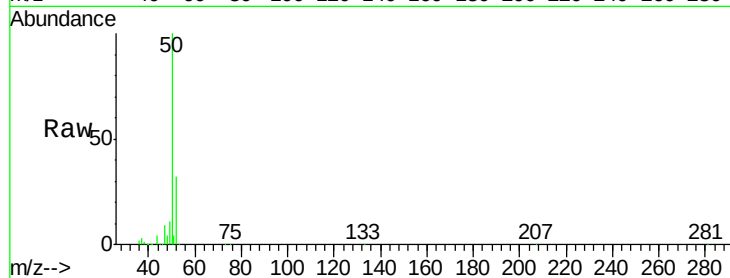
52 32.0 25.5 38.3

Manual Integrations

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1/25/2018 1:33:53 PM



#4

Vinyl Chloride

Concen: 50.26 ug/l

RT: 2.35 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW000940.D

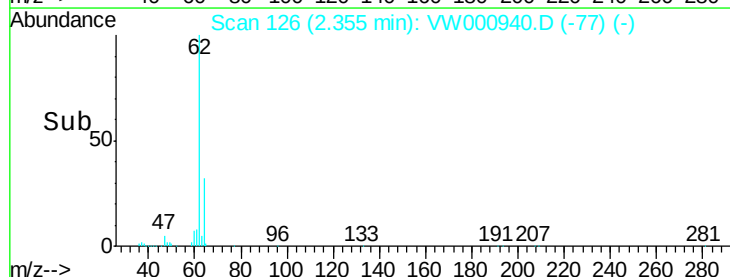
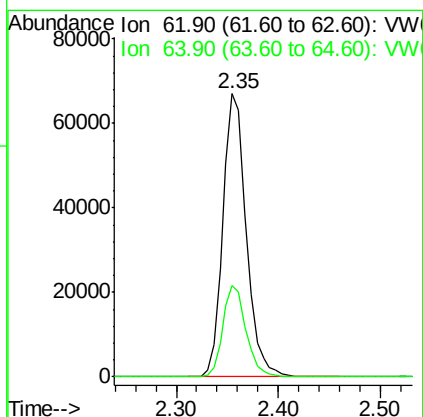
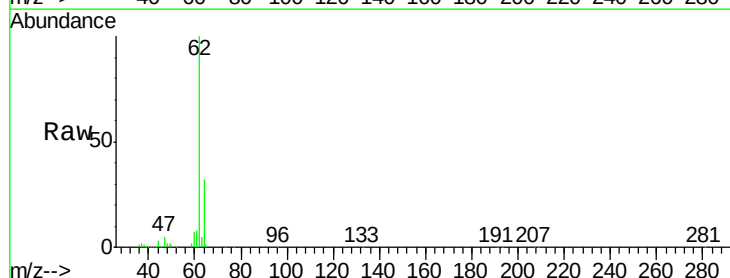
Acq: 24 Jan 2018 10:20

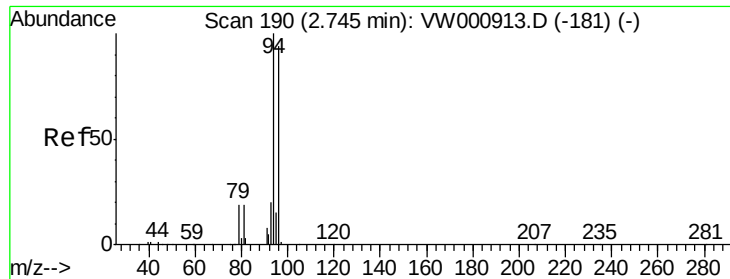
Tgt Ion: 62 Resp: 106792

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4





#5

Bromomethane

Concen: 60.59 ug/l

RT: 2.75 min Scan# 191

Delta R.T. 0.01 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 80968

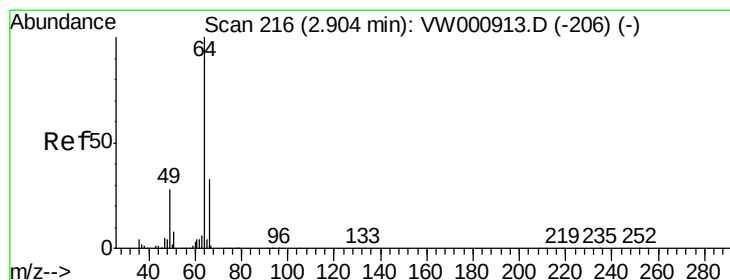
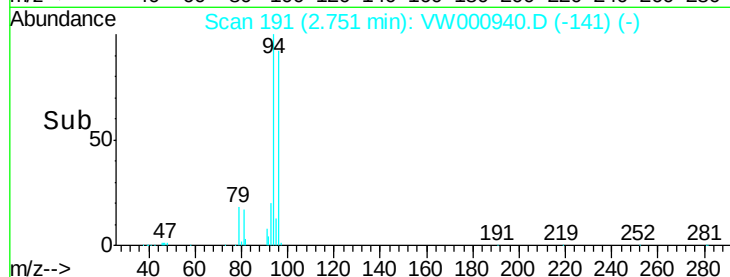
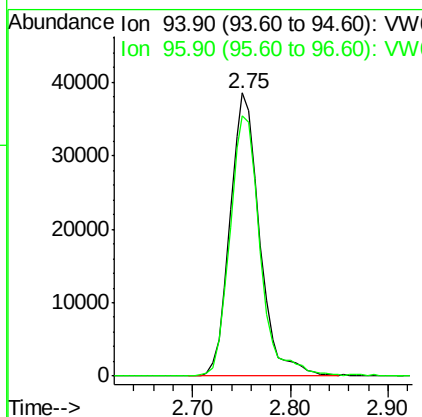
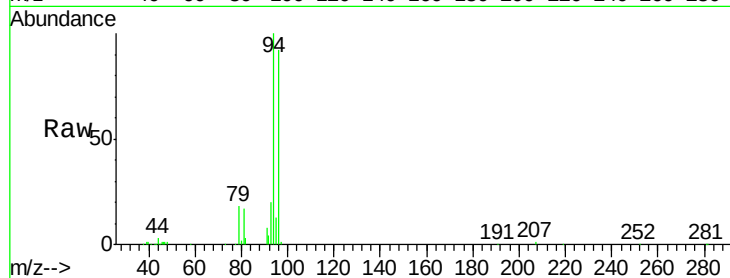
Ion Ratio Lower Upper

94 100

96 91.8 75.5 113.3

Manual Integrations  
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1/25/2018 1:33:53 PM



#6

Chloroethane

Concen: 50.89 ug/l

RT: 2.91 min Scan# 217

Delta R.T. 0.01 min

Lab File: VW000940.D

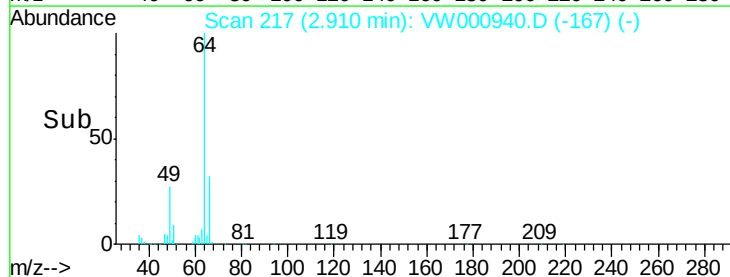
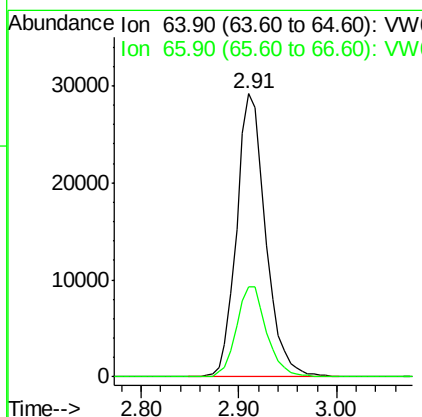
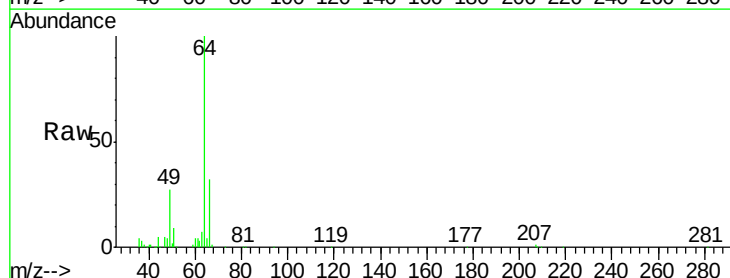
Acq: 24 Jan 2018 10:20

Tgt Ion: 64 Resp: 60083

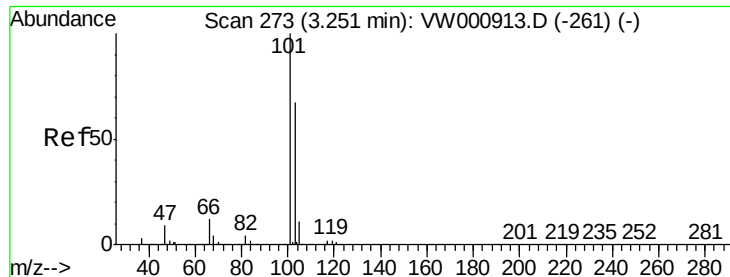
Ion Ratio Lower Upper

64 100

66 31.9 26.1 39.1







#7

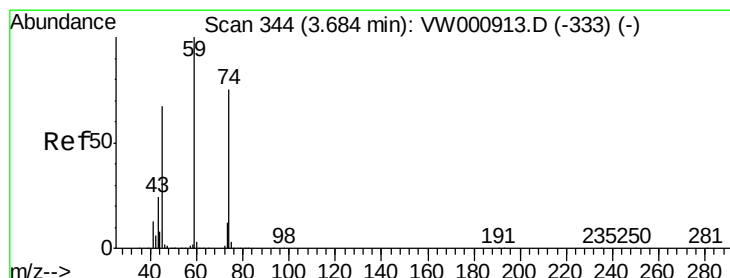
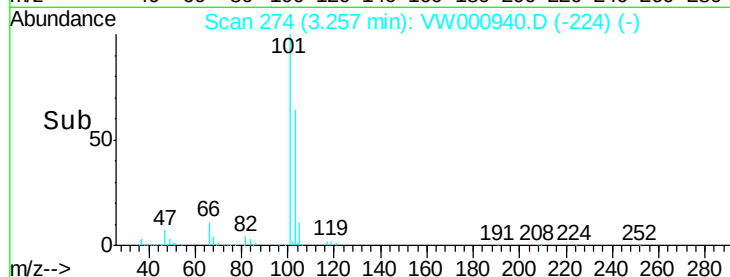
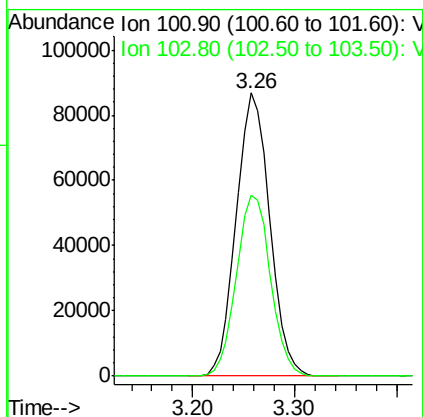
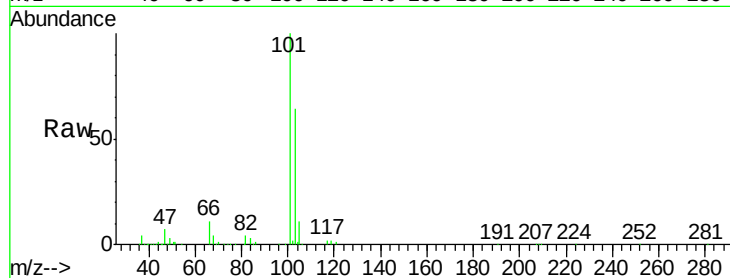
Trichlorofluoromethane  
Concen: 50.76 ug/l  
RT: 3.26 min Scan# 274  
Delta R.T. 0.01 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 198606 |       |       |
| 103     | 63.8  | 53.4   | 80.0  |       |

Manual Integrations  
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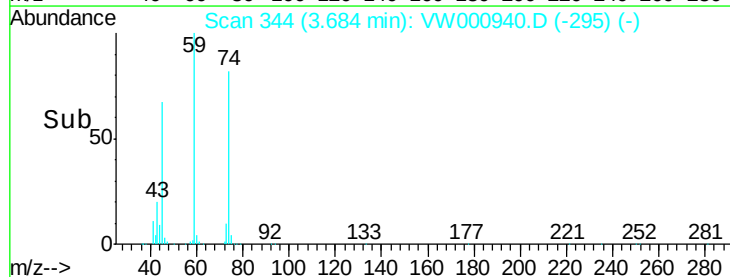
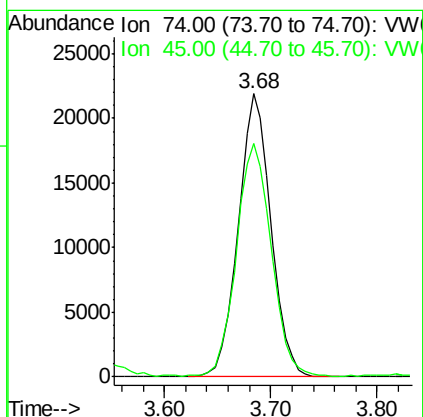
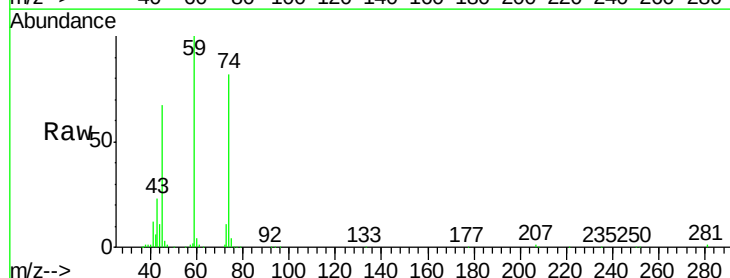
MMDadoda  
1/25/2018 1:33:53 PM



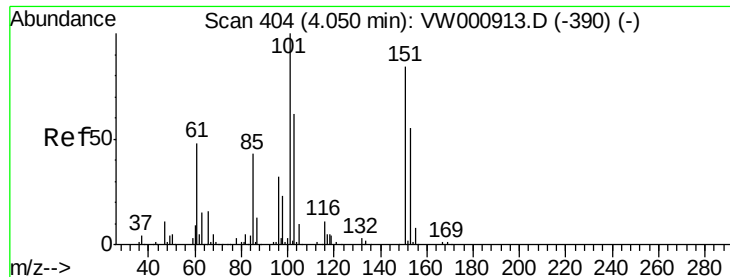
#8

Diethyl Ether  
Concen: 48.01 ug/l  
RT: 3.68 min Scan# 344  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 74      | 100   | 47051 |       |       |
| 45      | 88.0  | 44.7  | 134.1 |       |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.79 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

Instrument :

MSVOA\_W

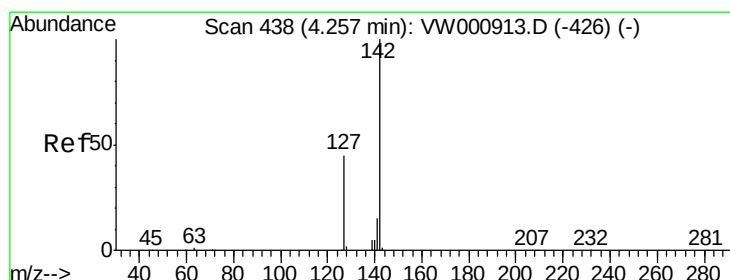
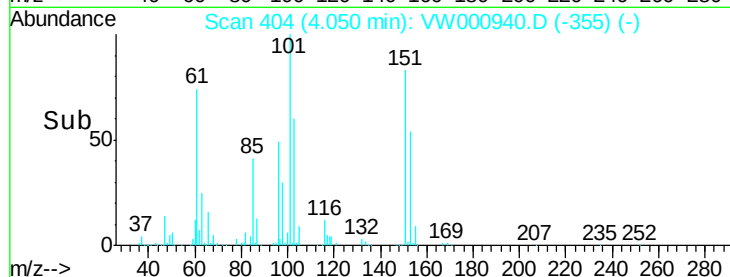
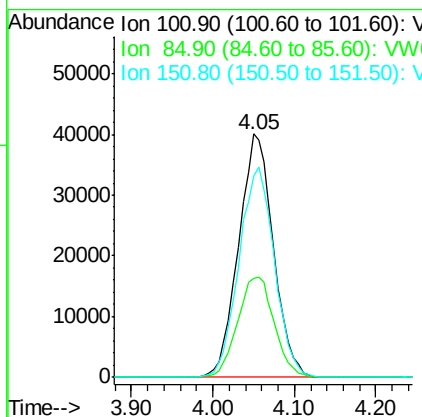
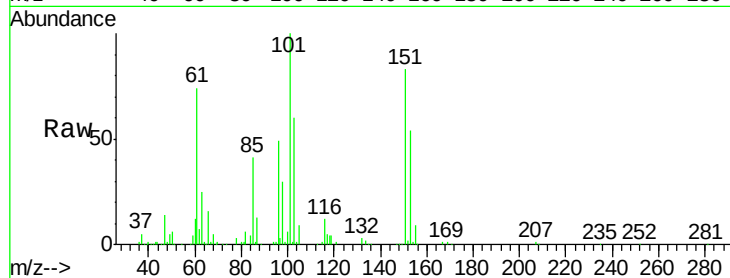
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 118271 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.5  | 35.3  | 52.9   |
| 151       | 88.4  | 69.9  | 104.9  |

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1/25/2018 1:33:53 PM



#10

Methyl Iodide

Concen: 44.06 ug/l

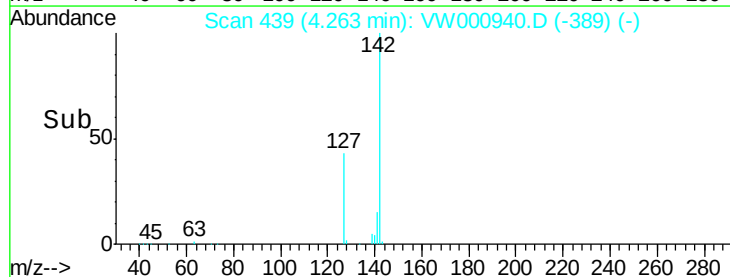
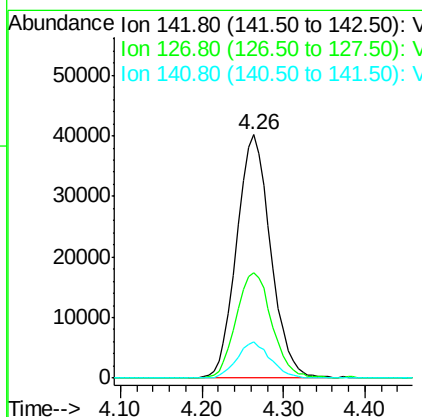
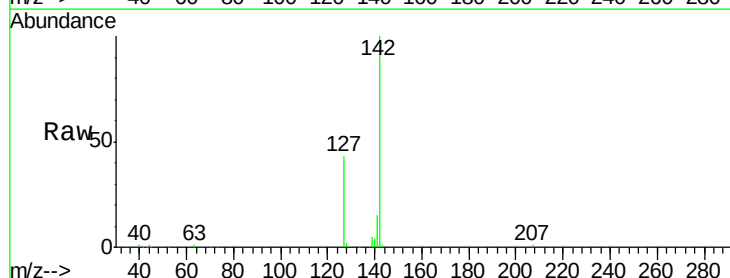
RT: 4.26 min Scan# 439

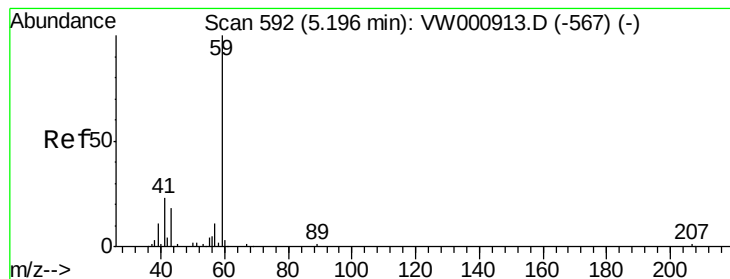
Delta R.T. 0.01 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 116335 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 45.4  | 35.5  | 53.3   |
| 141       | 14.7  | 11.7  | 17.5   |





#11

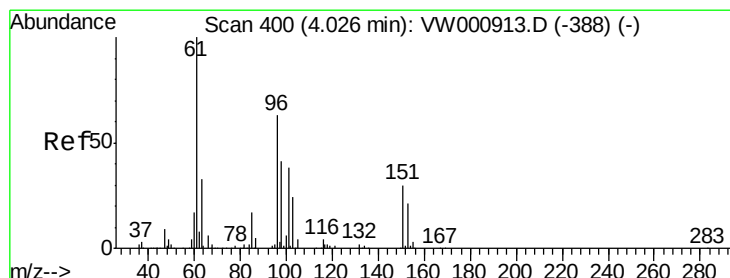
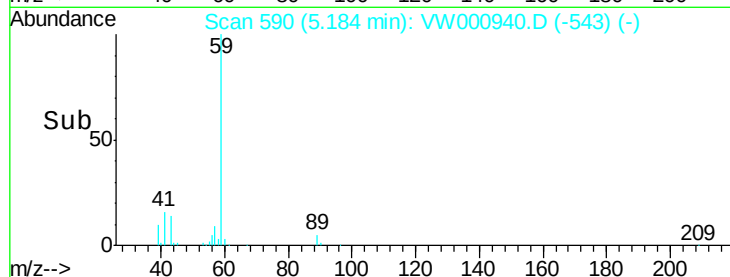
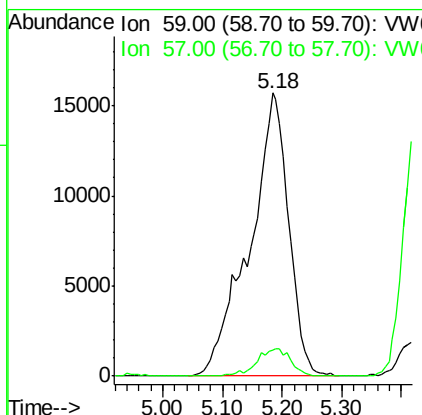
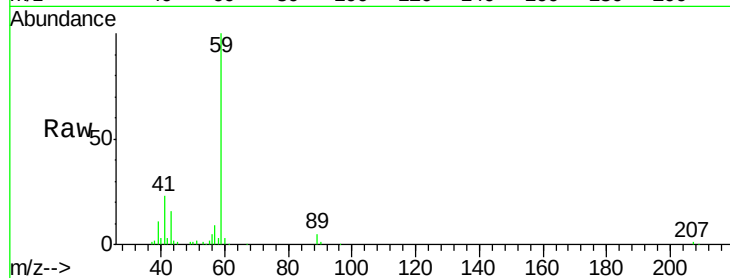
Tert butyl alcohol  
 Concen: 255.78 ug/l  
 RT: 5.18 min Scan# 590  
 Delta R.T. -0.01 min  
 Lab File: VW000940.D  
 Acq: 24 Jan 2018 10:20

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 59 Resp: 71273  
 Ion Ratio Lower Upper  
 59 100  
 57 8.4 7.0 10.6

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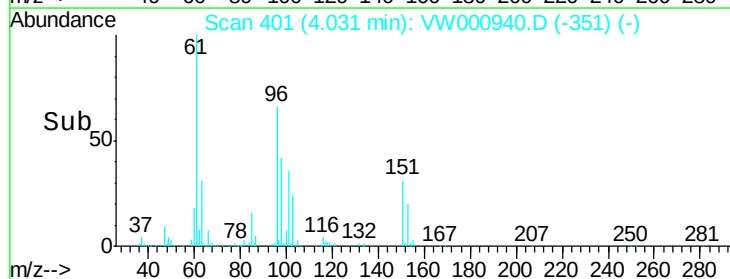
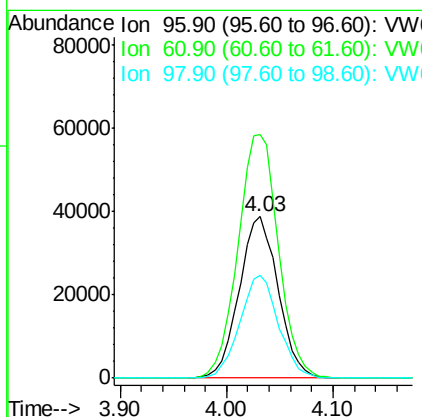
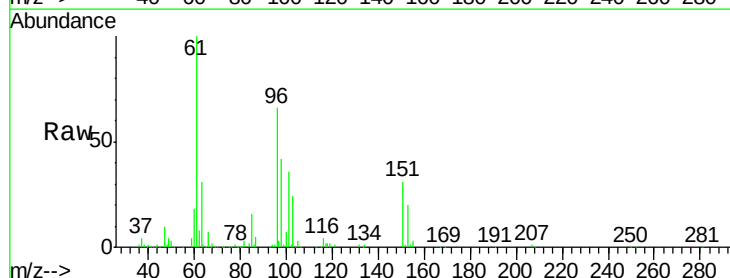
MMDadoda  
 1/25/2018 1:33:53 PM

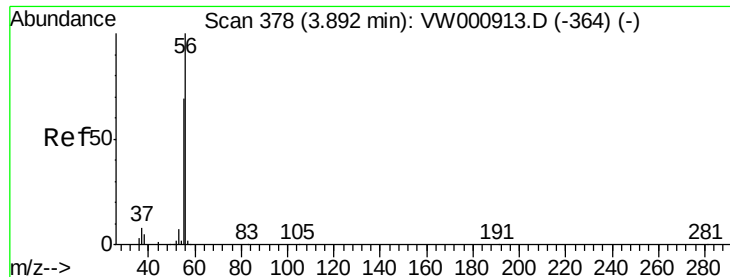


#12

1,1-Dichloroethene  
 Concen: 45.96 ug/l  
 RT: 4.03 min Scan# 401  
 Delta R.T. 0.01 min  
 Lab File: VW000940.D  
 Acq: 24 Jan 2018 10:20

Tgt Ion: 96 Resp: 99848  
 Ion Ratio Lower Upper  
 96 100  
 61 150.8 126.7 190.1  
 98 63.4 52.1 78.1





#13

Acrolein

Concen: 194.15 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 52819

Ion Ratio Lower Upper

56 100

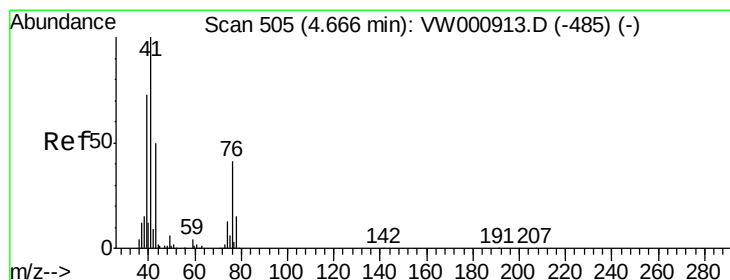
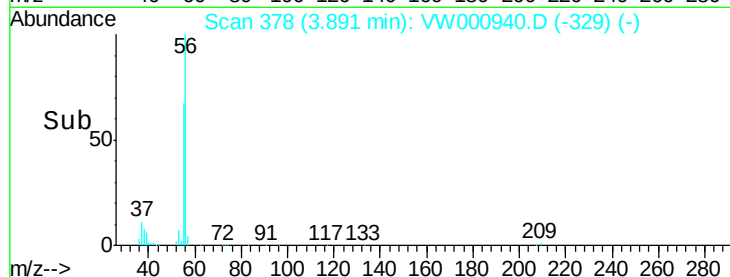
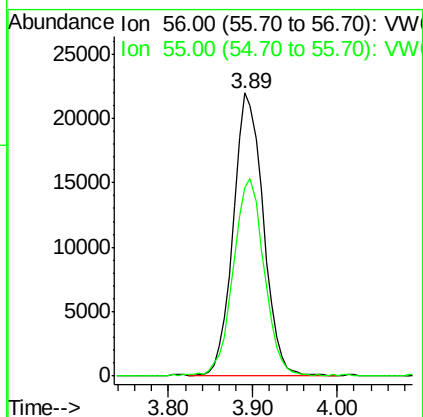
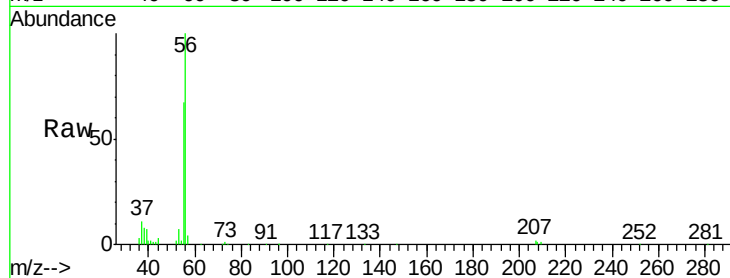
55 70.7 55.4 83.0

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 49.23 ug/l

RT: 4.67 min Scan# 505

Delta R.T. -0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

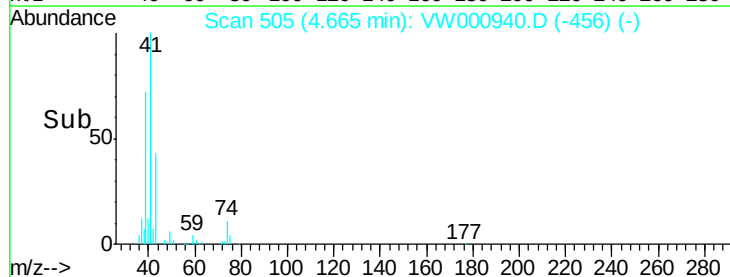
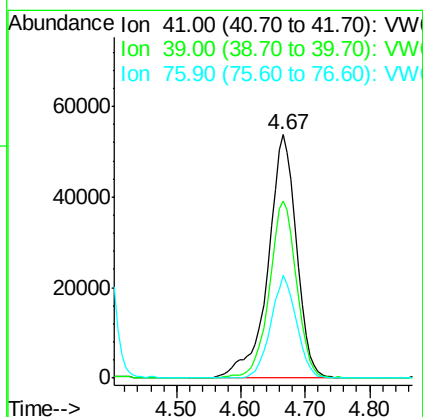
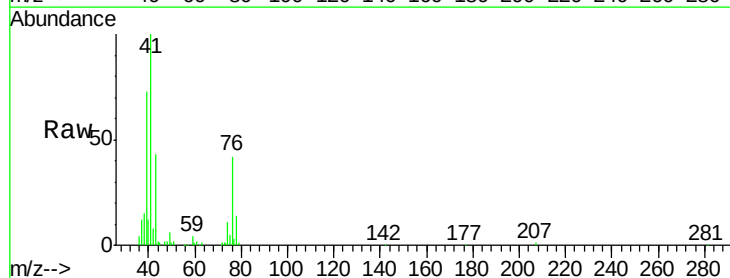
Tgt Ion: 41 Resp: 166639

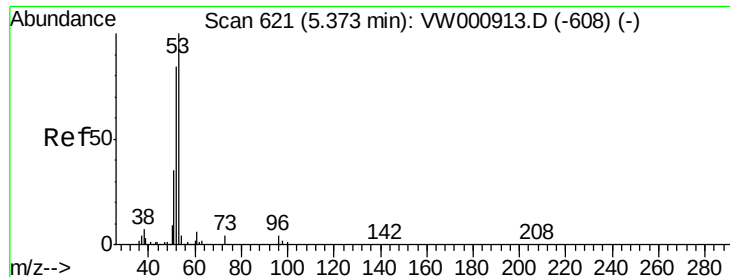
Ion Ratio Lower Upper

41 100

39 69.7 55.3 82.9

76 38.0 29.9 44.9





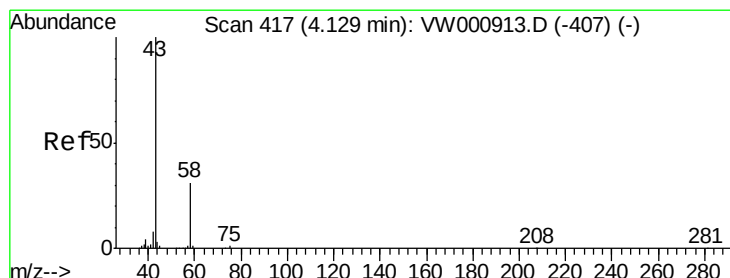
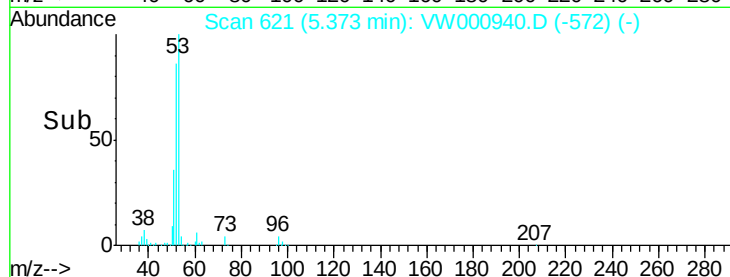
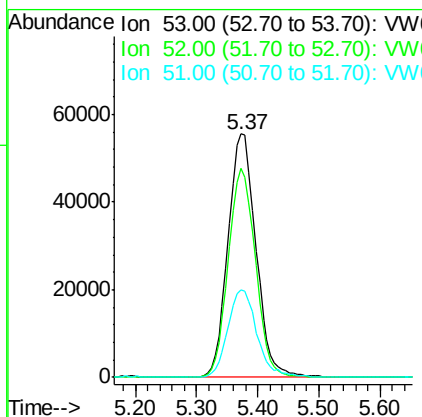
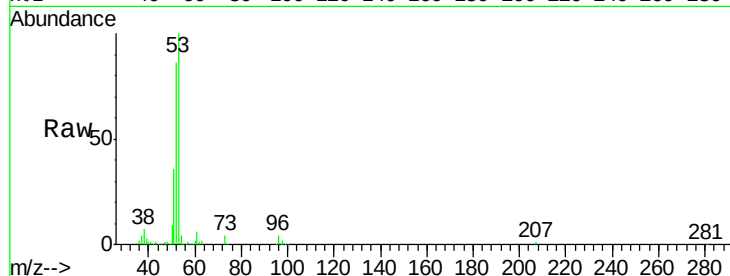
#15  
 Acrylonitrile  
 Concen: 228.87 ug/l  
 RT: 5.37 min Scan# 621  
 Delta R.T. -0.00 min  
 Lab File: VW000940.D  
 Acq: 24 Jan 2018 10:20

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 175203 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 83.5  | 66.6  | 99.8   |
| 51       | 37.6  | 29.4  | 44.0   |

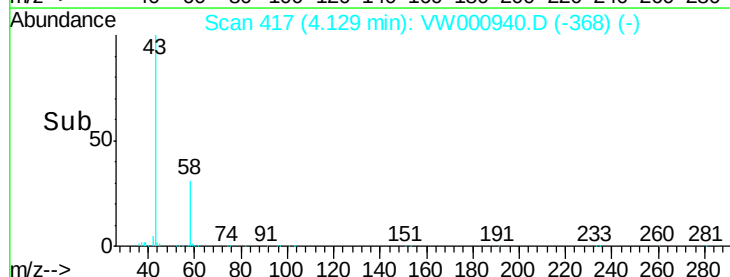
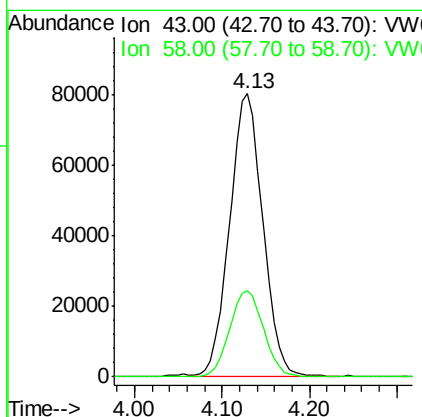
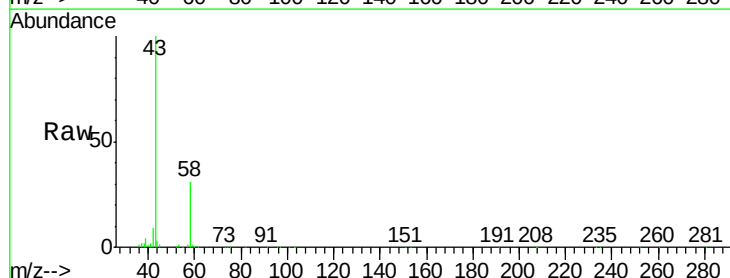
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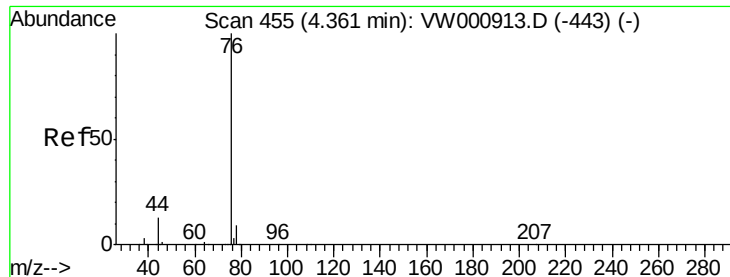
MMDadoda  
 1/25/2018 1:33:53 PM



#16  
 Acetone  
 Concen: 202.46 ug/l  
 RT: 4.13 min Scan# 417  
 Delta R.T. 0.00 min  
 Lab File: VW000940.D  
 Acq: 24 Jan 2018 10:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 210506 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 30.7  | 24.9  | 37.3   |





#17

Carbon Disulfide

Concen: 52.23 ug/l

RT: 4.37 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 374749

Ion Ratio Lower Upper

76 100

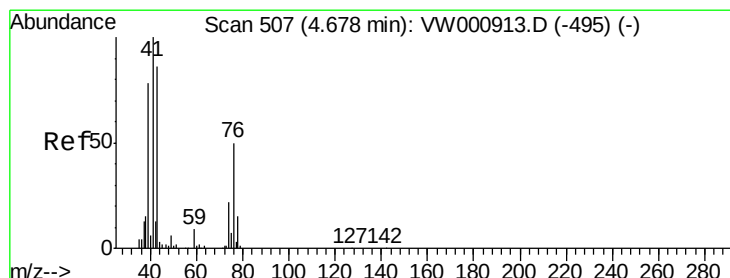
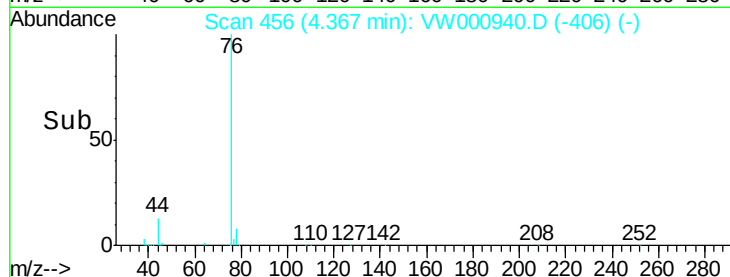
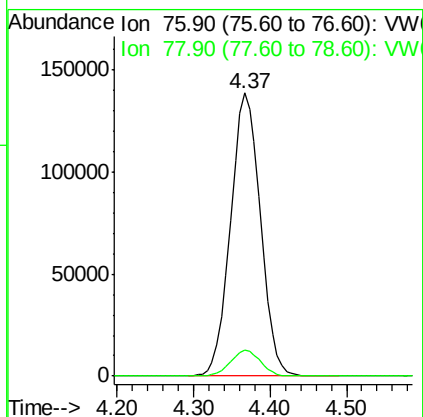
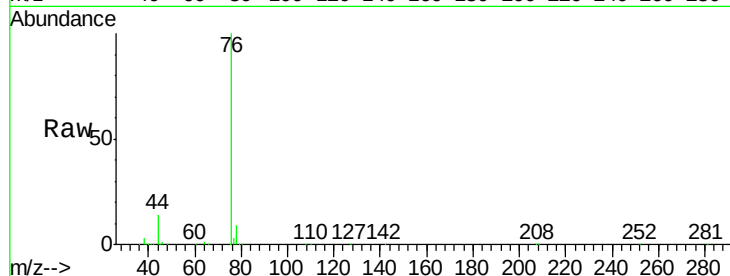
78 9.1 7.4 11.2

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1/25/2018 1:33:53 PM



#18

Methyl Acetate

Concen: 41.72 ug/l

RT: 4.67 min Scan# 506

Delta R.T. -0.01 min

Lab File: VW000940.D

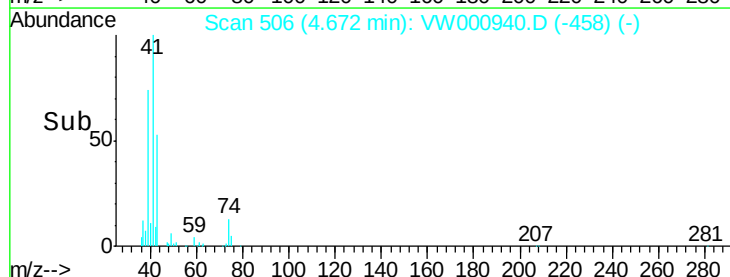
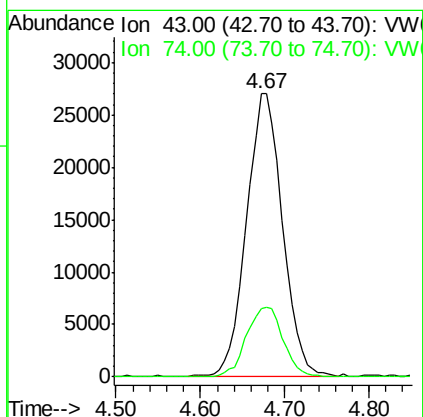
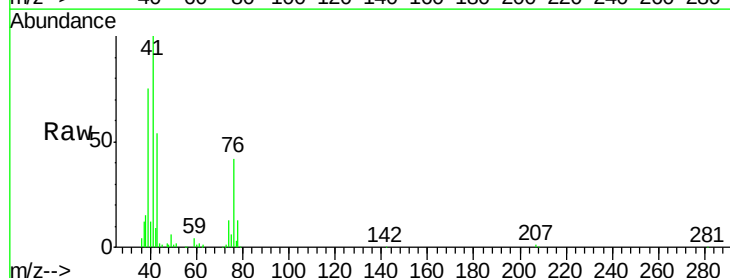
Acq: 24 Jan 2018 10:20

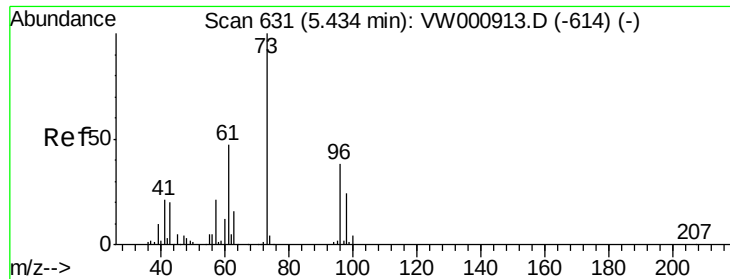
Tgt Ion: 43 Resp: 78859

Ion Ratio Lower Upper

43 100

74 24.9 20.5 30.7





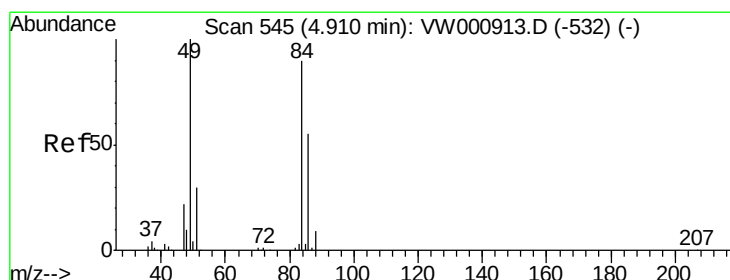
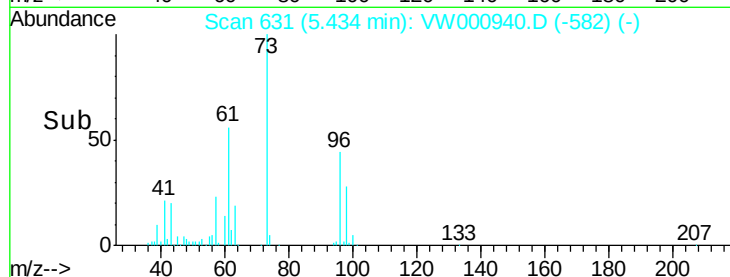
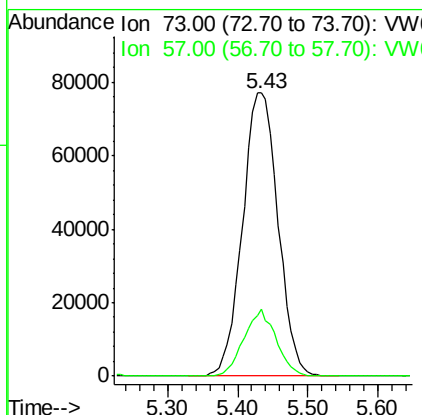
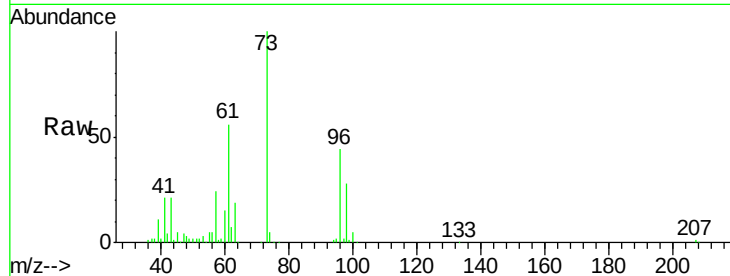
#19  
Methyl tert-butyl Ether  
Concen: 48.63 ug/l  
RT: 5.43 min Scan# 631  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 271379  
Ion Ratio Lower Upper  
73 100  
57 23.5 16.7 25.1

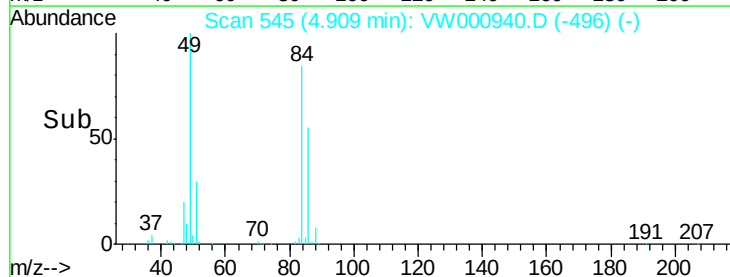
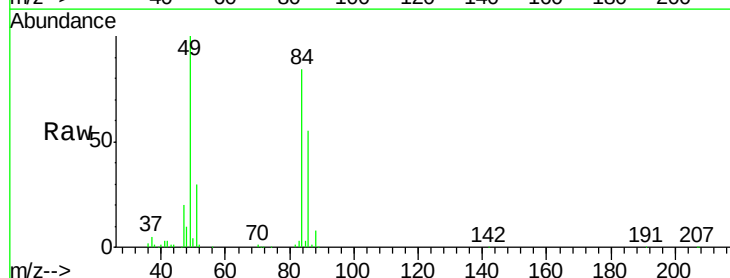
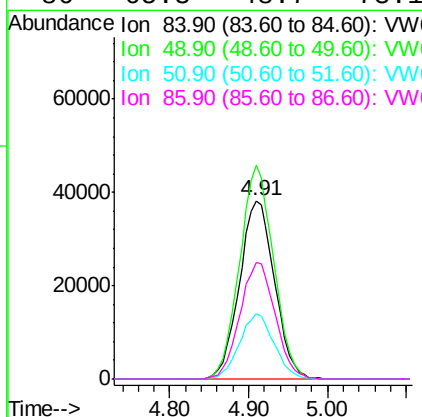
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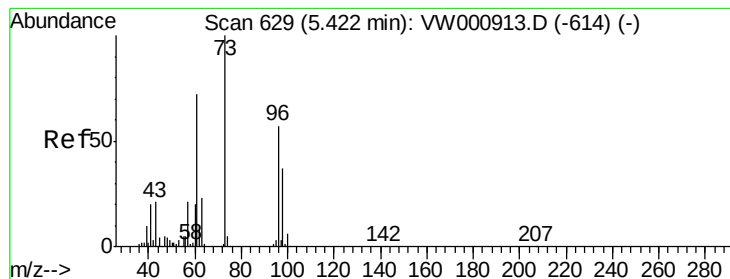
MMDadoda  
1/25/2018 1:33:53 PM



#20  
Methylene Chloride  
Concen: 51.18 ug/l  
RT: 4.91 min Scan# 545  
Delta R.T. 0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

Tgt Ion: 84 Resp: 118288  
Ion Ratio Lower Upper  
84 100  
49 119.6 89.0 133.4  
51 36.3 26.7 40.1  
86 65.3 48.7 73.1





#21

trans-1,2-Dichloroethene

Concen: 50.86 ug/l

RT: 5.42 min Scan# 629

Delta R.T. -0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

Instrument :

MSVOA\_W

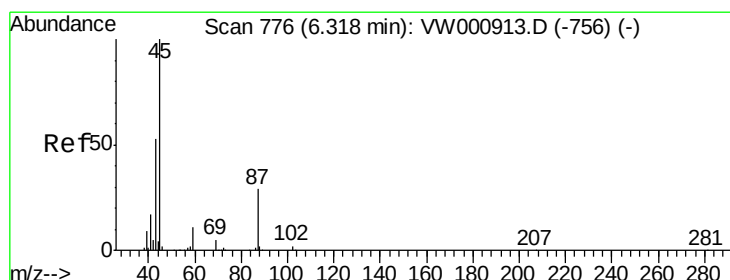
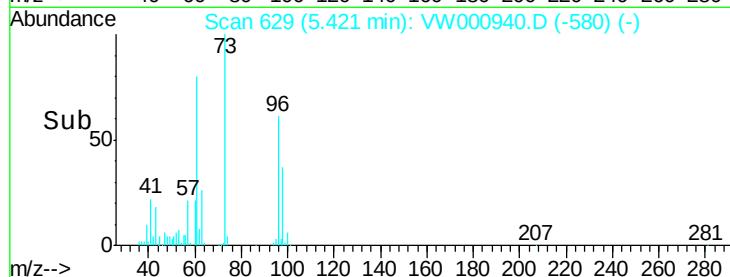
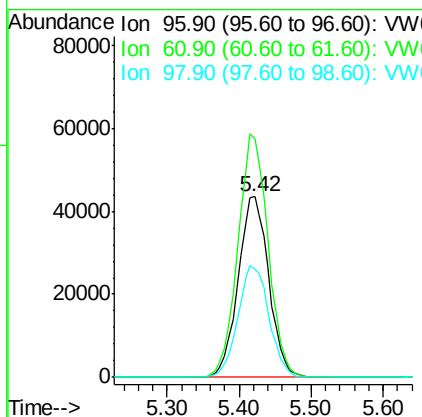
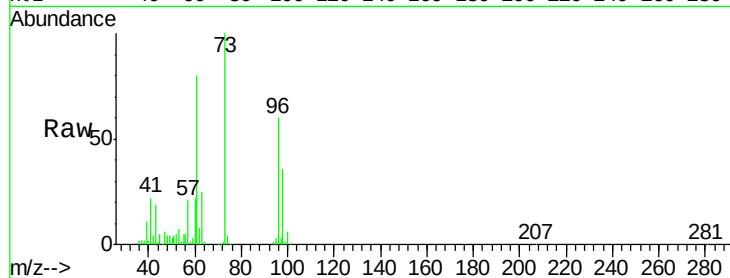
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 128366 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 132.1 | 101.1 | 151.7  |
| 98       | 60.2  | 52.2  | 78.2   |

Manual Integrations  
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1/25/2018 1:33:53 PM



#22

Diisopropyl ether

Concen: 51.57 ug/l

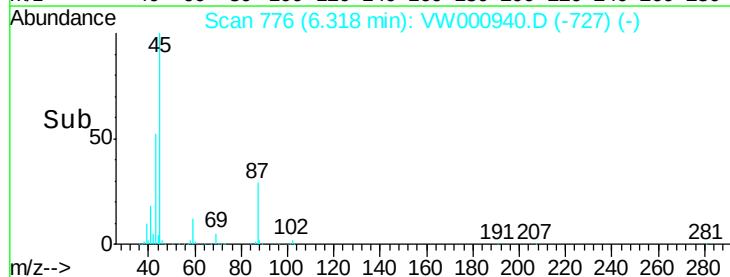
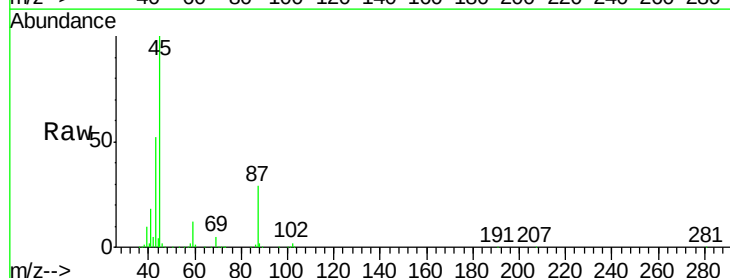
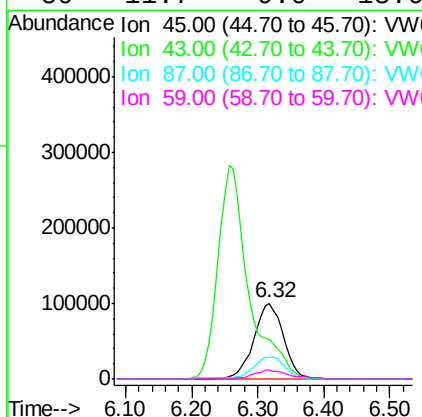
RT: 6.32 min Scan# 776

Delta R.T. -0.00 min

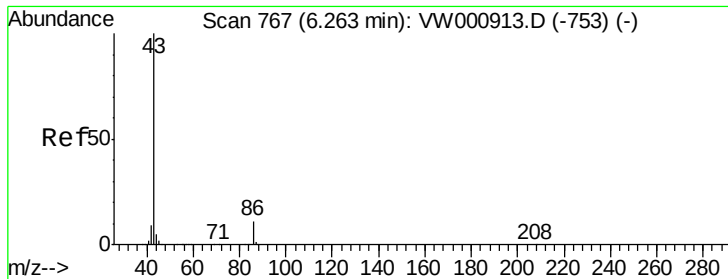
Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 312518 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 52.2  | 42.7  | 64.1   |
| 87       | 29.5  | 23.8  | 35.8   |
| 59       | 11.7  | 9.0   | 13.6   |







#23

Vinyl Acetate

Concen: 242.55 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.01 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

Tot Ion: 43 Resp: 913334

Ion Ratio Lower Upper

43 100

86 10.4 9.1 13.7

Instrument :

MSVOA\_W

ClientSampleId :

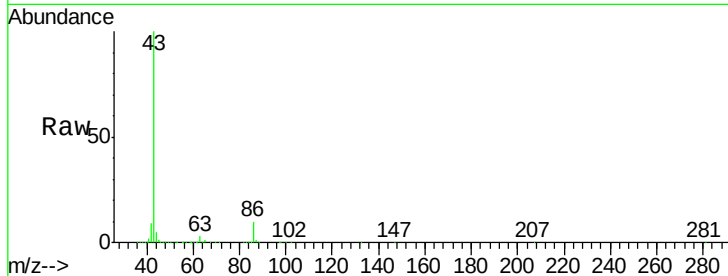
VSTDCCC050

Manual Integrations

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1/25/2018 1:33:53 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

300000

250000

200000

150000

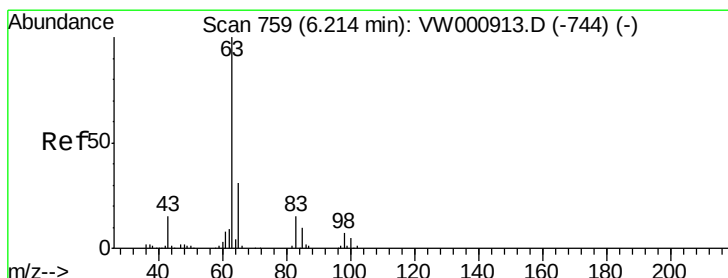
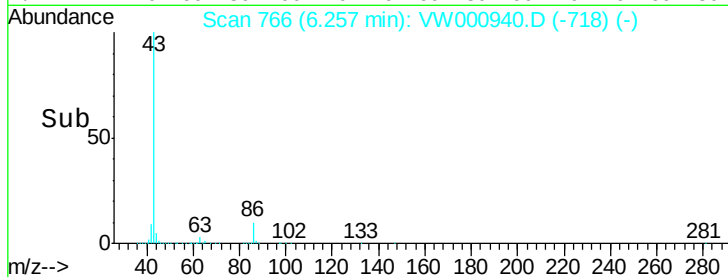
100000

50000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 50.62 ug/l

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

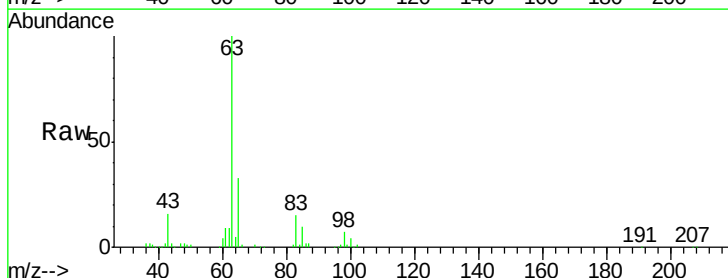
Tgt Ion: 63 Resp: 205354

Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.8

100 4.2 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

80000

60000

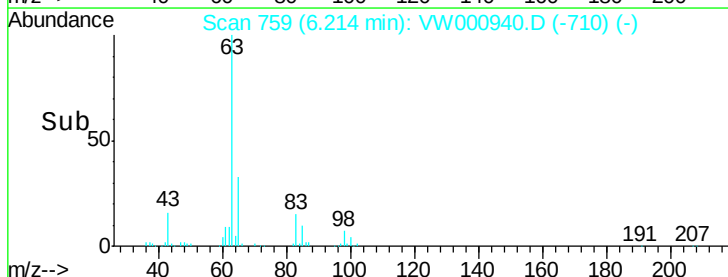
40000

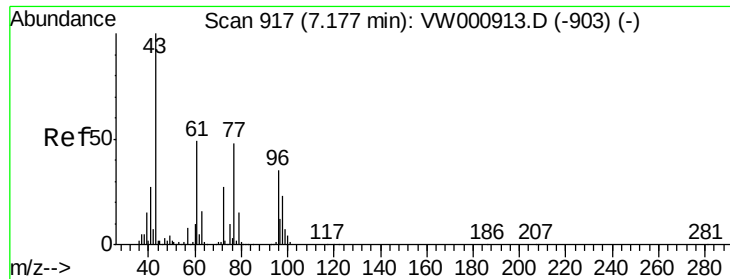
20000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 223.87 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 254483

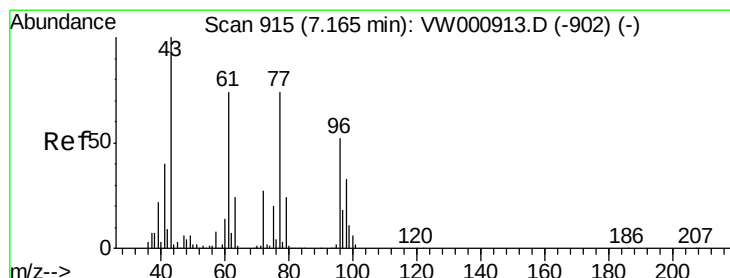
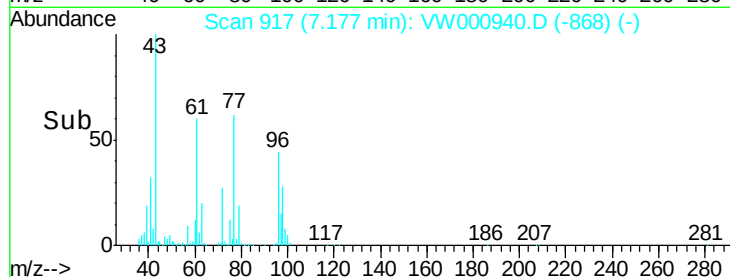
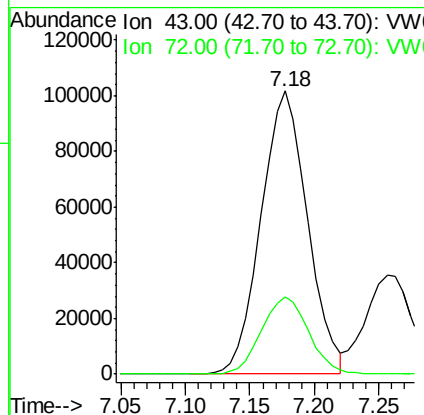
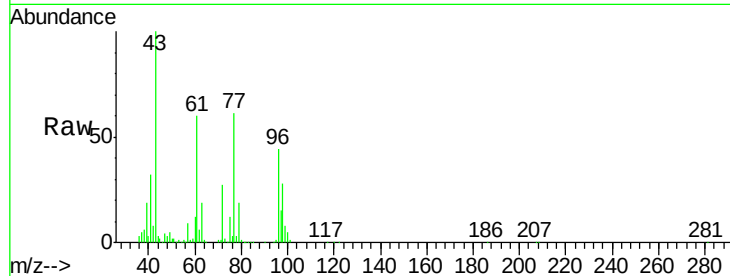
Ion Ratio Lower Upper

43 100

72 27.4 21.5 32.3

Manual Integrations  
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MMDadoda  
1/25/2018 1:33:53 PM



#26

2,2-Dichloropropane

Concen: 49.53 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW000940.D

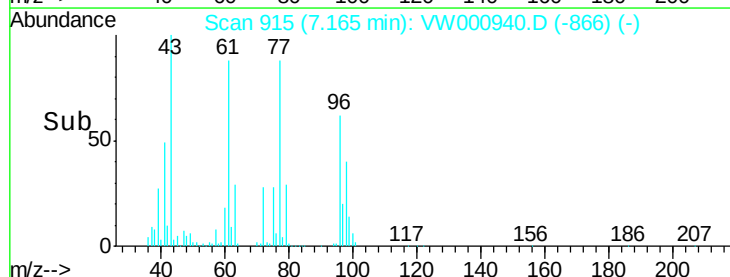
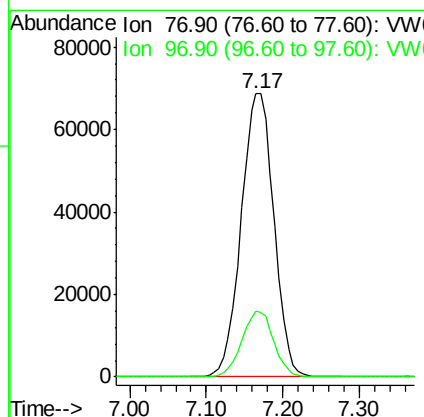
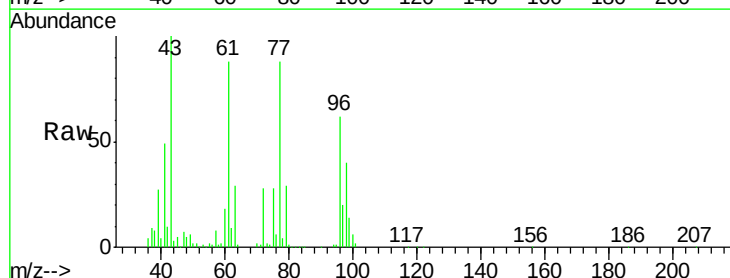
Acq: 24 Jan 2018 10:20

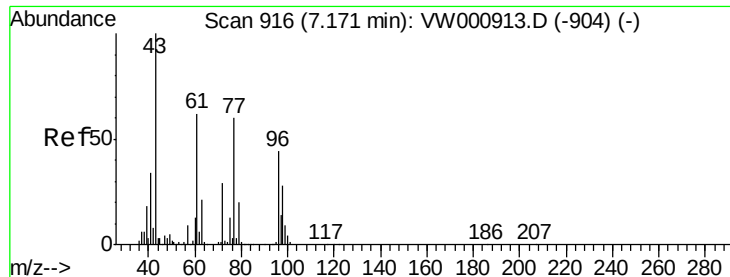
Tgt Ion: 77 Resp: 203379

Ion Ratio Lower Upper

77 100

97 22.6 11.8 35.3





#27

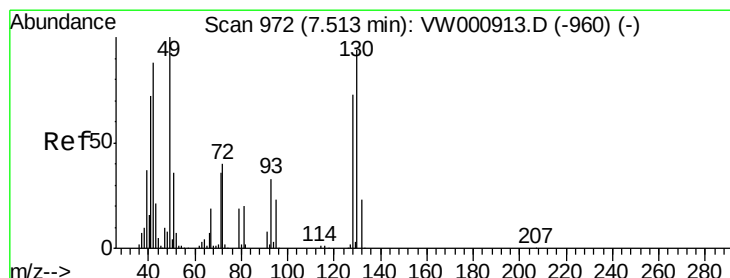
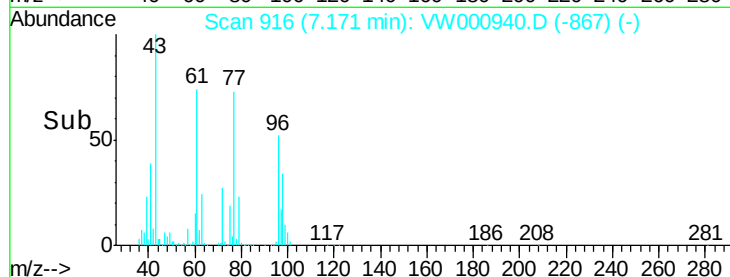
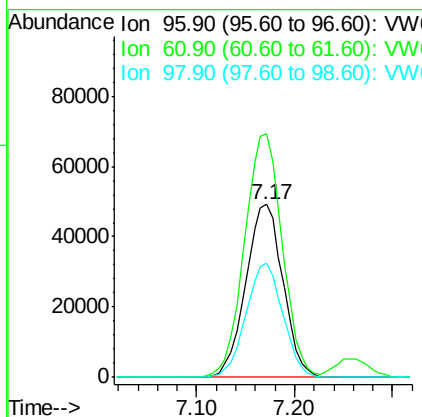
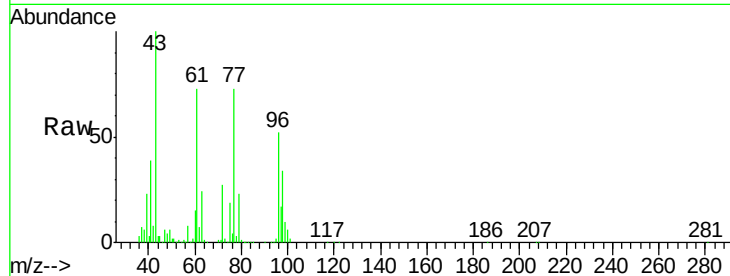
cis-1,2-Dichloroethene  
Concen: 49.69 ug/l  
RT: 7.17 min Scan# 916  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 142.9 | 0.0   | 279.8 |
| 98      | 65.3  | 0.0   | 127.6 |

Manual Integrations  
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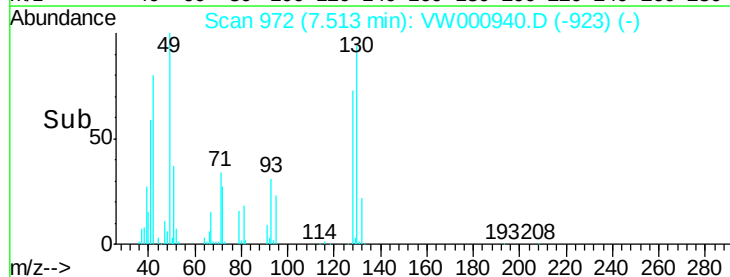
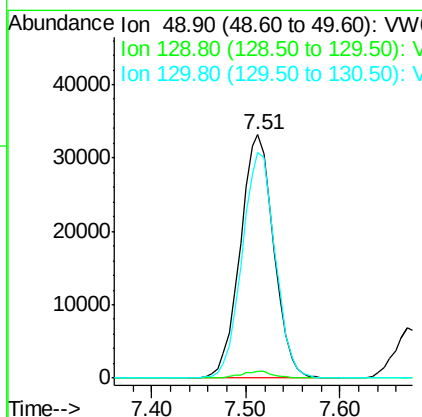
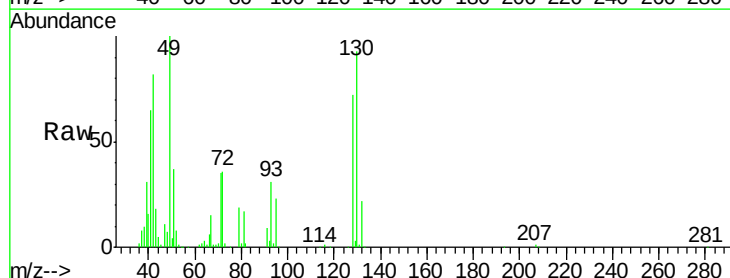
MMDadoda  
1/25/2018 1:33:53 PM

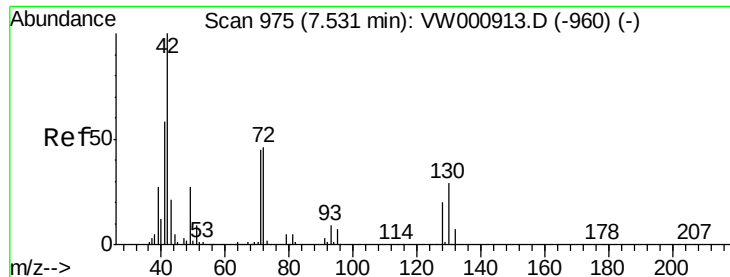


#28

Bromochloromethane  
Concen: 48.39 ug/l  
RT: 7.51 min Scan# 972  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.7   | 0.0   | 2.8   |
| 130     | 91.9  | 73.8  | 110.6 |





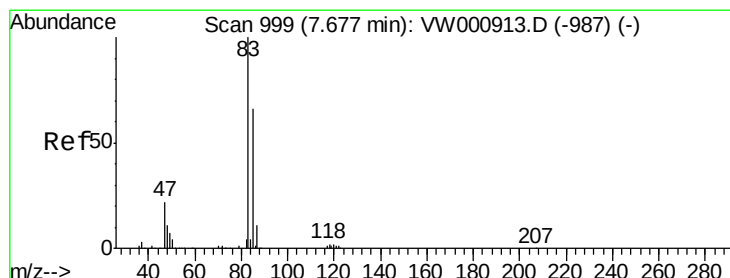
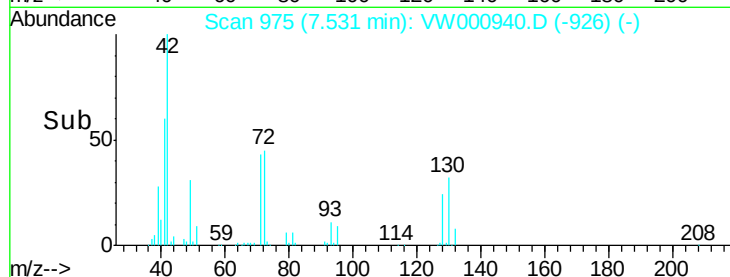
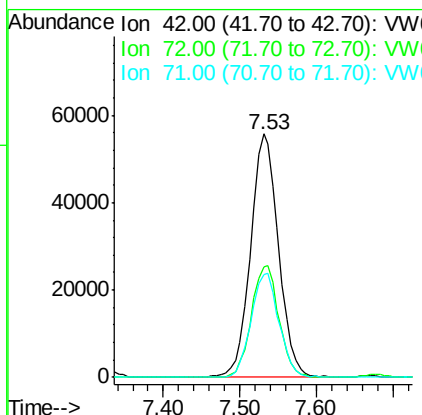
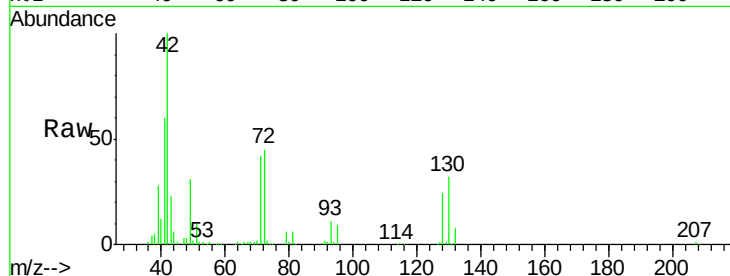
#29  
Tetrahydrofuran  
Concen: 227.06 ug/l  
RT: 7.53 min Scan# 975  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 45.4  | 37.1  | 55.7  |
| 71      | 42.7  | 34.9  | 52.3  |

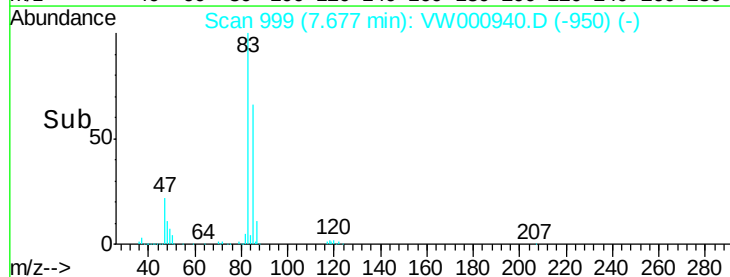
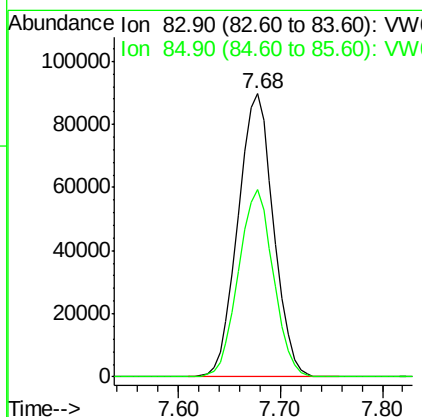
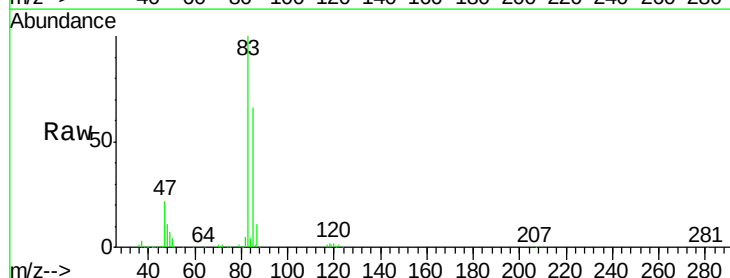
Manual Integrations  
APPROVED

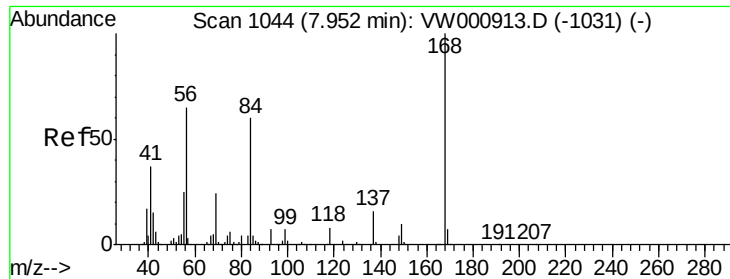
MMDadoda  
1/25/2018 1:33:53 PM



#30  
Chloroform  
Concen: 49.60 ug/l  
RT: 7.68 min Scan# 999  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.1  | 52.5  | 78.7  |





#31

Cyclohexane

Concen: 47.49 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

Instrument :

MSVOA\_W

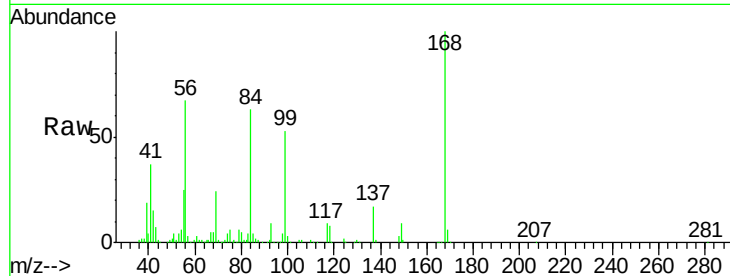
ClientSampled :

VSTDCCC050

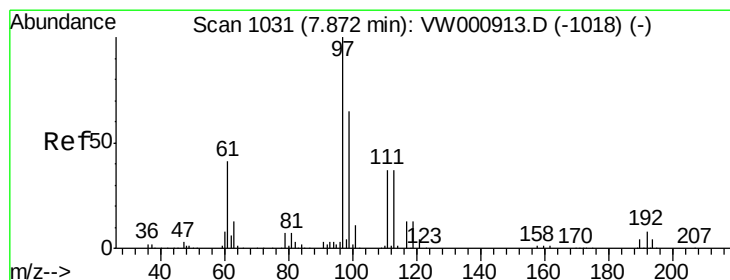
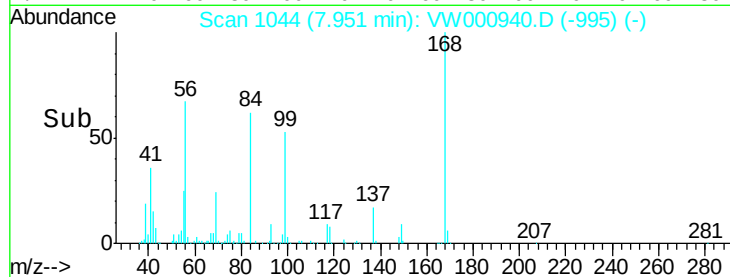
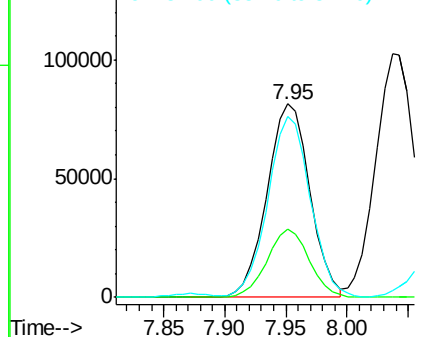
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 198868 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 35.6  | 29.2  | 43.8   |
| 84       | 92.0  | 73.6  | 110.4  |

Manual Integrations  
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1/25/2018 1:33:53 PM



Abundance Ion 56.00 (55.70 to 56.70): VW  
Ion 69.00 (68.70 to 69.70): VW  
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 50.62 ug/l

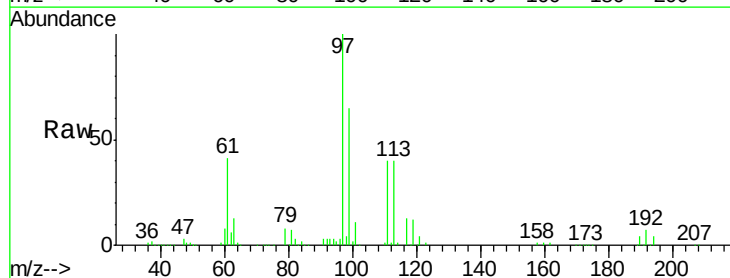
RT: 7.87 min Scan# 1031

Delta R.T. -0.00 min

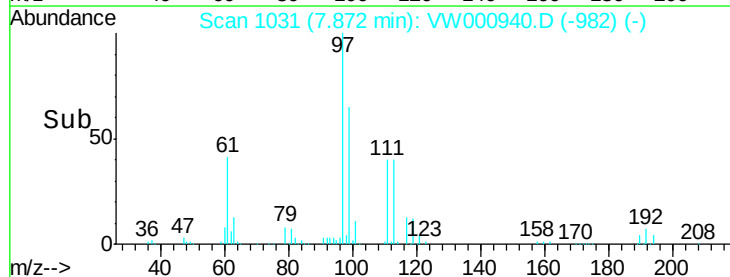
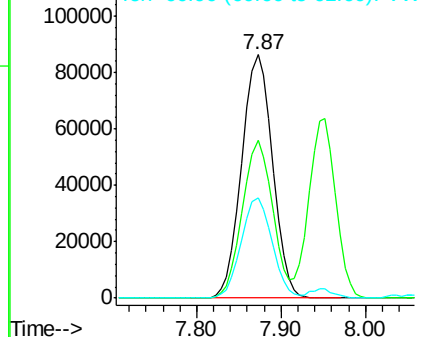
Lab File: VW000940.D

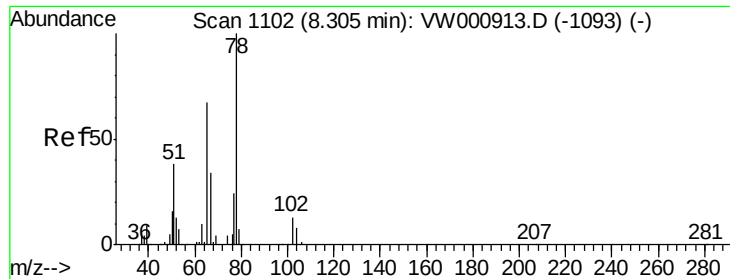
Acq: 24 Jan 2018 10:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 214016 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 63.6  | 52.6  | 78.8   |
| 61       | 41.3  | 32.9  | 49.3   |



Abundance Ion 96.90 (96.60 to 97.60): VW  
Ion 98.90 (98.60 to 99.60): VW  
Ion 60.90 (60.60 to 61.60): VW





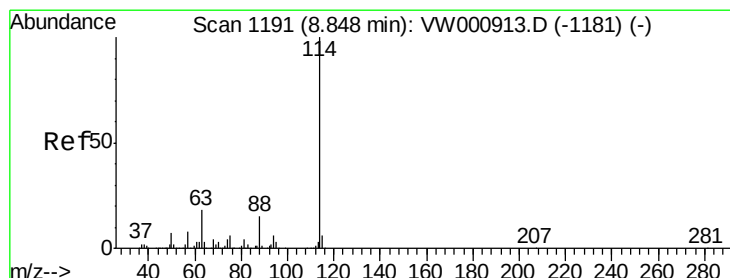
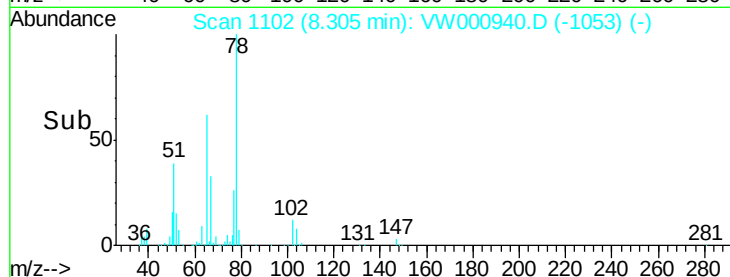
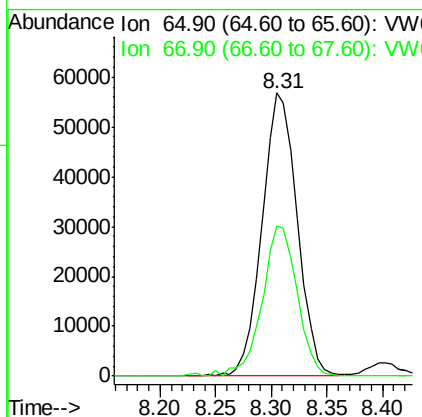
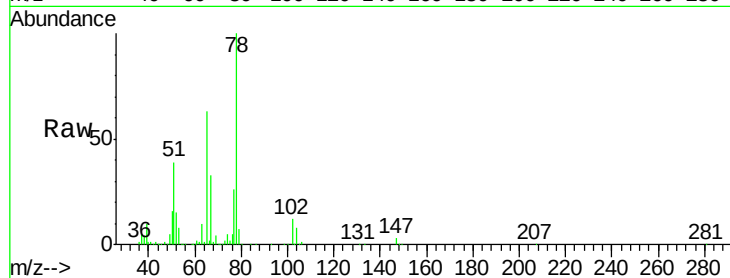
#33  
 1,2-Dichloroethane-d4  
 Concen: 48.49 ug/l  
 RT: 8.31 min Scan# 1102  
 Delta R.T. -0.00 min  
 Lab File: VW000940.D  
 Acq: 24 Jan 2018 10:20

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 124594 |       |       |
| 67      | 53.0  | 0.0    | 105.8 |       |

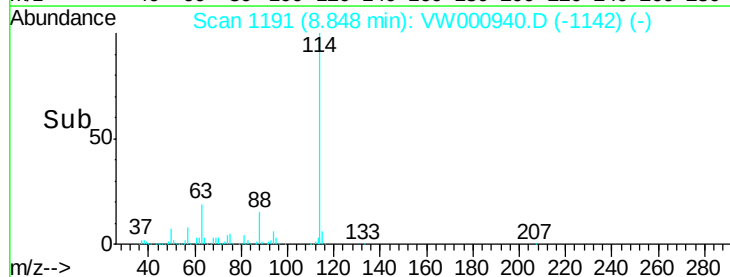
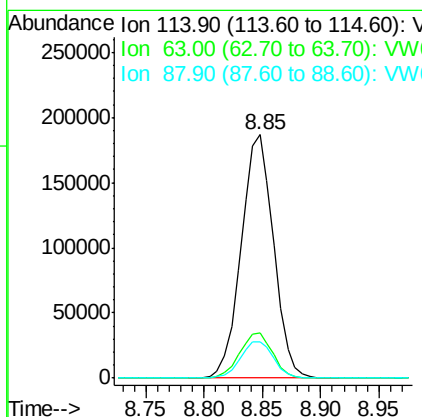
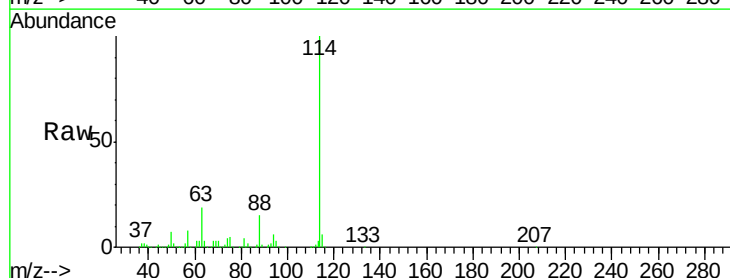
Manual Integrations  
 APPROVED

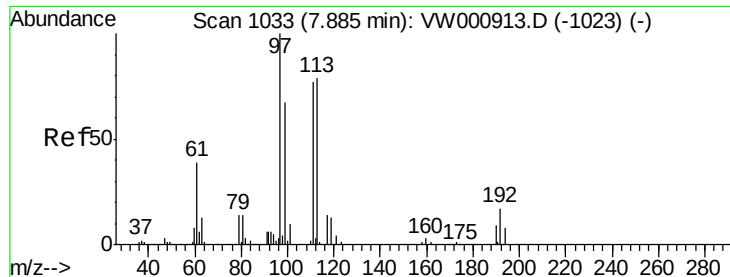
MMDadoda  
 1/25/2018 1:33:53 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.85 min Scan# 1191  
 Delta R.T. -0.00 min  
 Lab File: VW000940.D  
 Acq: 24 Jan 2018 10:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 362601 |       |       |
| 63      | 18.5  | 0.0    | 36.8  |       |
| 88      | 15.1  | 0.0    | 29.8  |       |





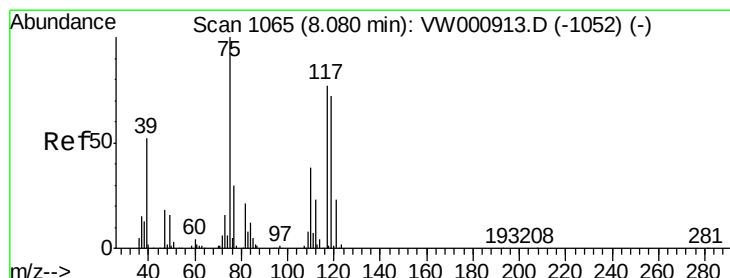
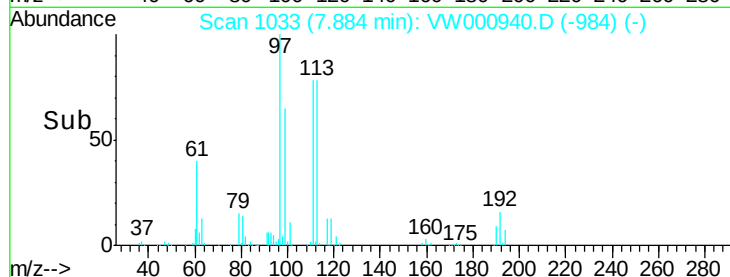
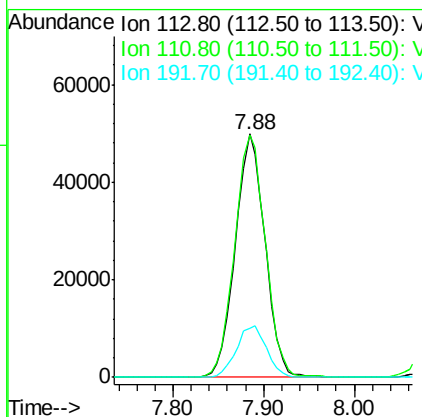
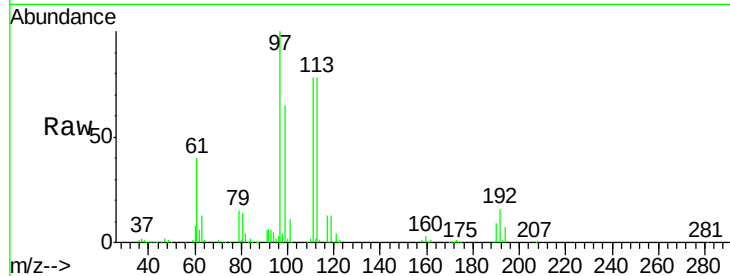
#35  
 Dibromofluoromethane  
 Concen: 50.93 ug/l  
 RT: 7.88 min Scan# 1033  
 Delta R.T. -0.00 min  
 Lab File: VW000940.D  
 Acq: 24 Jan 2018 10:20

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.1 | 80.4  | 120.6 |
| 192     | 21.6  | 17.0  | 25.4  |

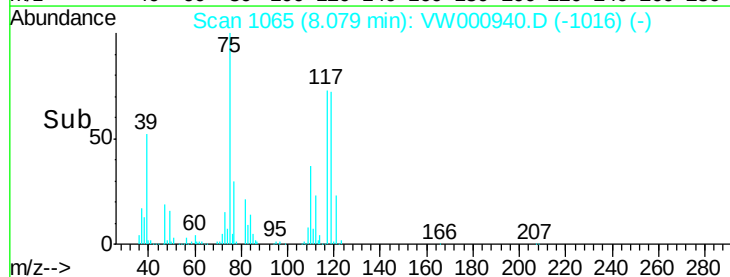
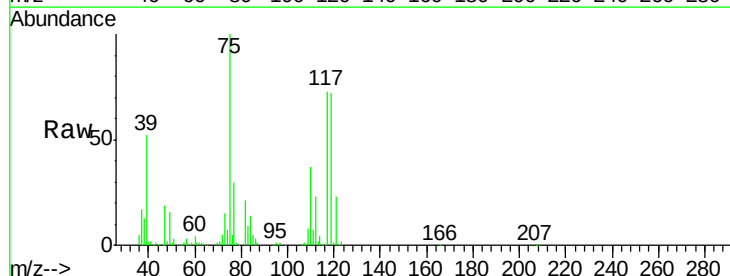
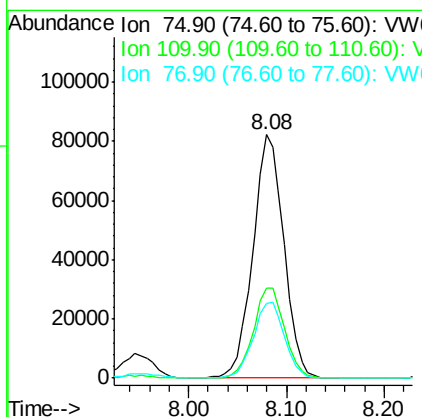
Manual Integrations  
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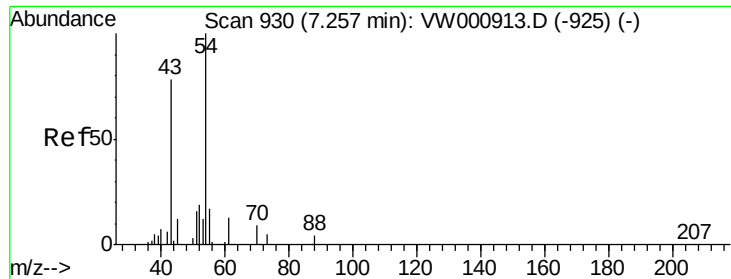
MMDadoda  
 1/25/2018 1:33:53 PM



#36  
 1,1-Dichloropropene  
 Concen: 52.36 ug/l  
 RT: 8.08 min Scan# 1065  
 Delta R.T. -0.00 min  
 Lab File: VW000940.D  
 Acq: 24 Jan 2018 10:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 37.2  | 18.6  | 56.0  |
| 77      | 31.6  | 24.6  | 36.8  |





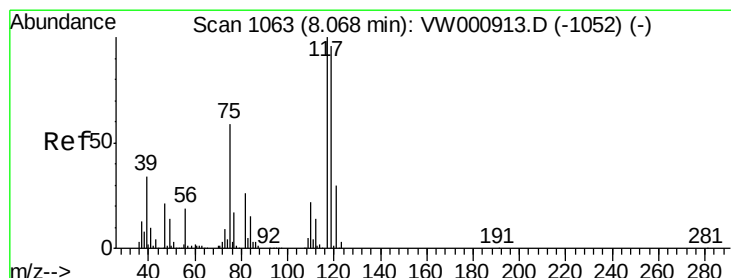
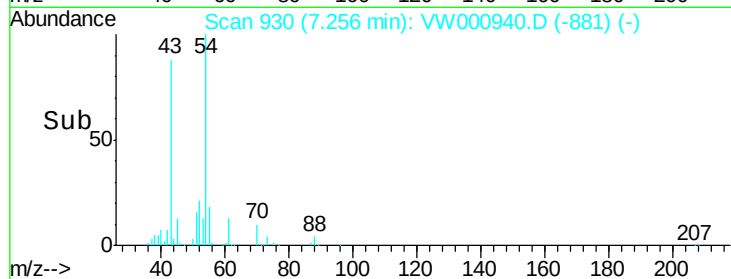
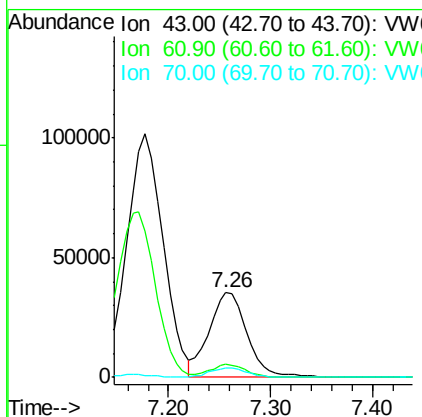
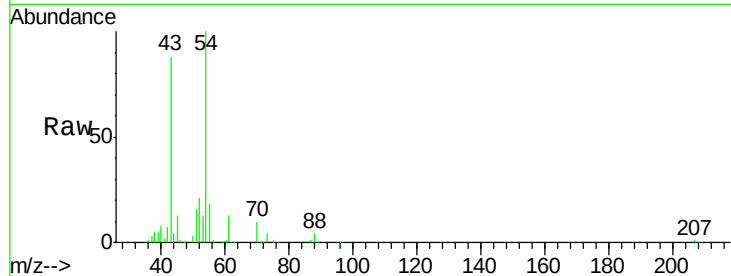
#37  
Ethyl Acetate  
Concen: 46.92 ug/l  
RT: 7.26 min Scan# 930  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.0  | 12.1  | 18.1  |
| 70      | 11.1  | 9.1   | 13.7  |

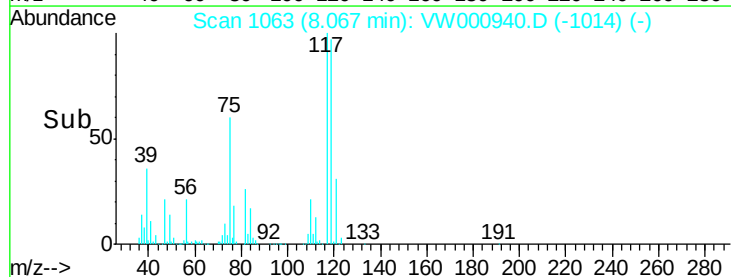
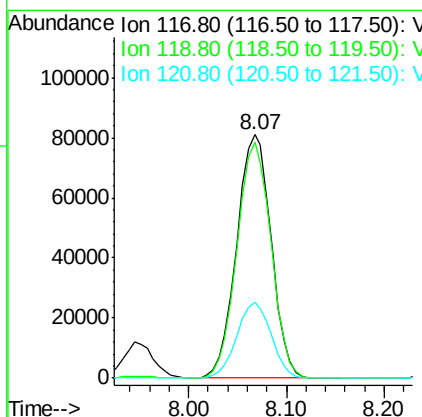
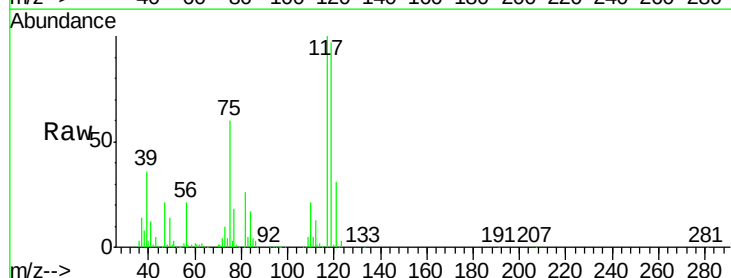
Manual Integrations  
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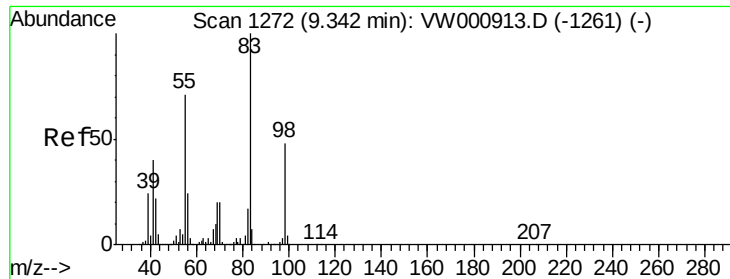


#38  
Carbon Tetrachloride  
Concen: 51.96 ug/l  
RT: 8.07 min Scan# 1063  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.1  | 76.5  | 114.7 |
| 121     | 31.0  | 24.3  | 36.5  |







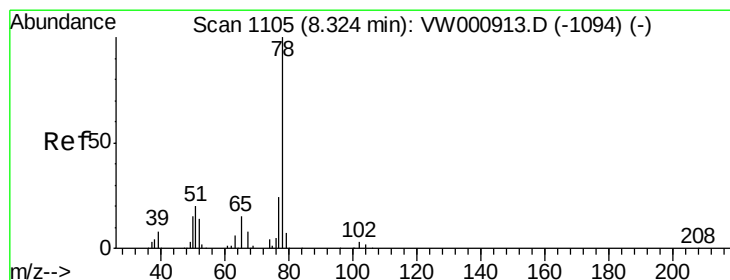
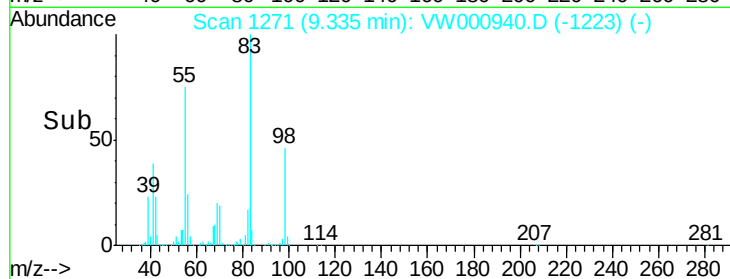
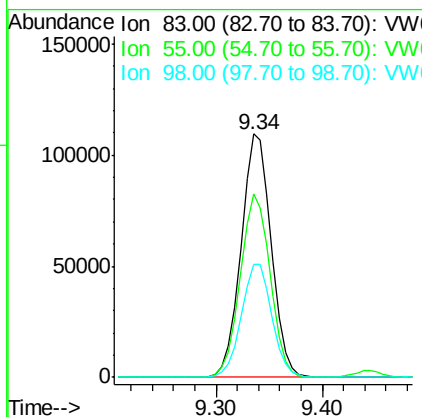
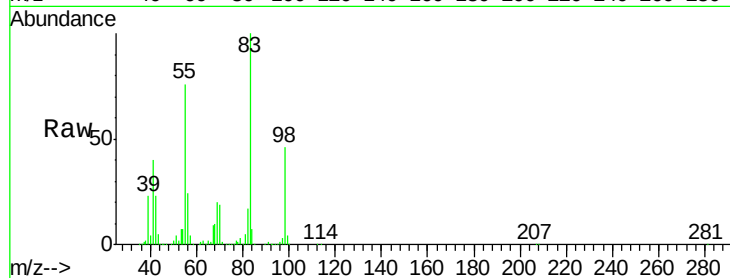
#39  
Methylvlcyclohexane  
Concen: 52.22 ug/l  
RT: 9.34 min Scan# 1271  
Delta R.T. -0.01 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | 83    | Resp  | 217617 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 83      | 100   |       |        |
| 55      | 75.5  | 56.4  | 84.6   |
| 98      | 46.4  | 38.2  | 57.4   |

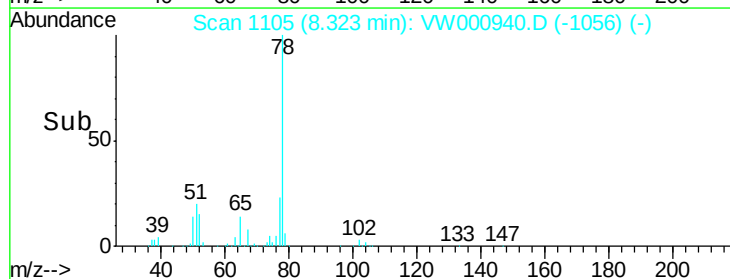
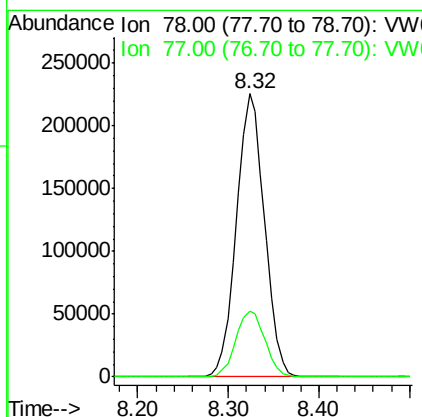
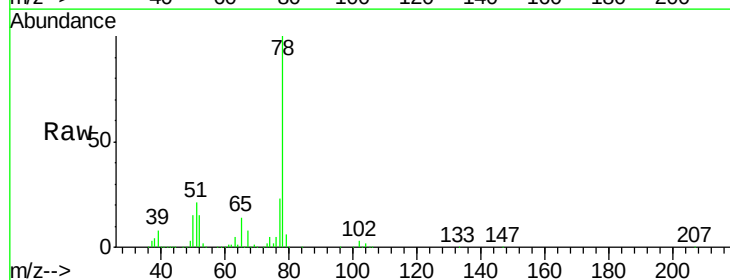
Manual Integrations  
APPROVED

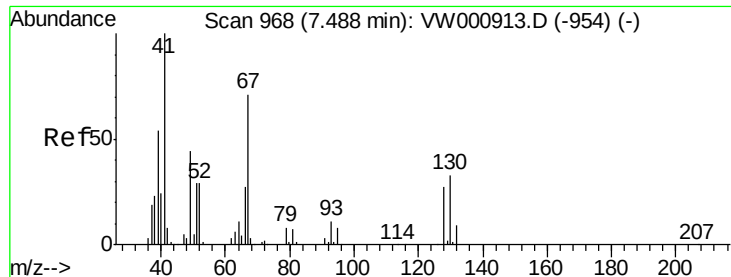
MMDadoda  
1/25/2018 1:33:53 PM



#40  
Benzene  
Concen: 51.56 ug/l  
RT: 8.32 min Scan# 1105  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

| Tgt Ion | 78    | Resp  | 485051 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 78      | 100   |       |        |
| 77      | 23.4  | 19.0  | 28.6   |





#41

Methacrylonitrile

Concen: 50.21 ug/l

RT: 7.49 min Scan# 968

Delta R.T. -0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

Instrument :

MSVOA\_W

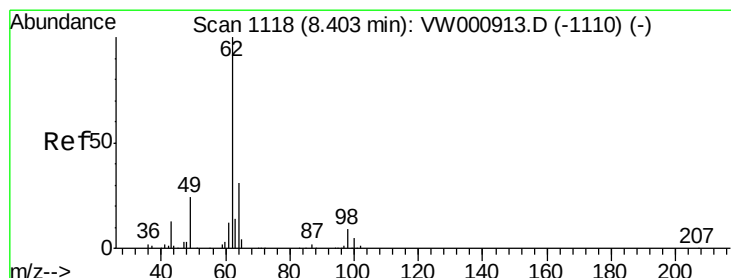
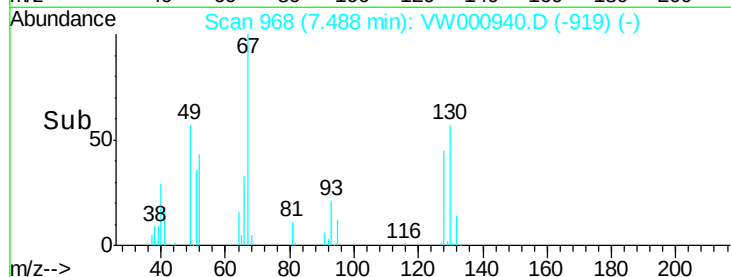
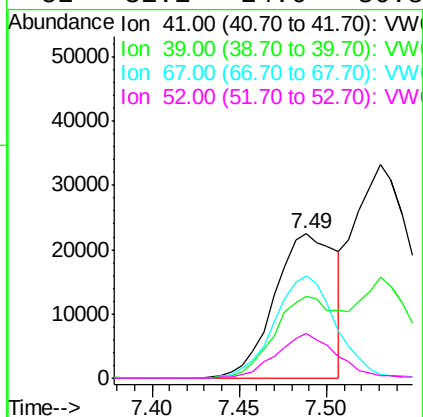
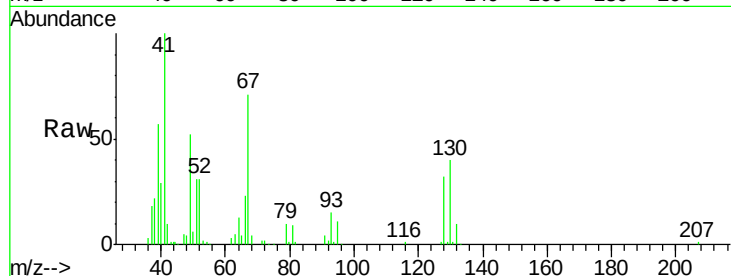
ClientSampled :

VSTDCCC050

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 41      | 100  |       | 55031 |       |       |
| 39      | 62.5 | 43.4  | 65.0  |       |       |
| 67      | 71.4 | 59.0  | 88.4  |       |       |
| 52      | 31.1 | 24.6  | 36.8  |       |       |

Manual Integrations  
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1/25/2018 1:33:53 PM



#42

1,2-Dichloroethane

Concen: 50.63 ug/l

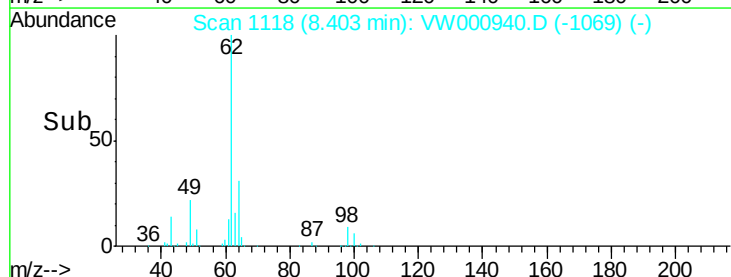
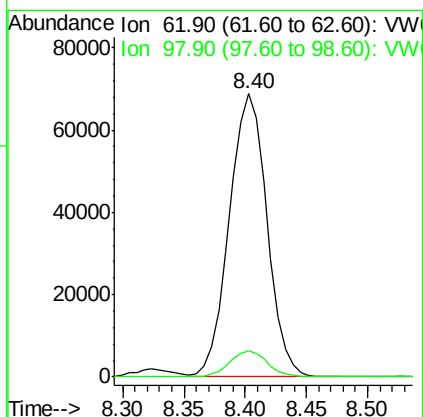
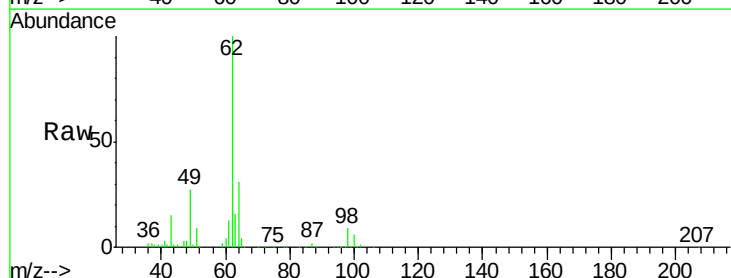
RT: 8.40 min Scan# 1118

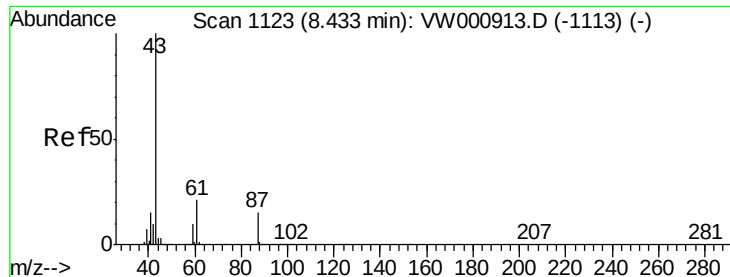
Delta R.T. -0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 62      | 100 |       | 146764 |       |       |
| 98      | 9.2 | 0.0   | 18.0   |       |       |





#43

Isopropyl Acetate

Concen: 46.91 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

Instrument :

MSVOA\_W

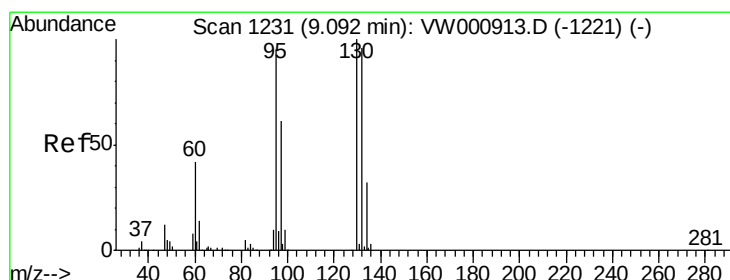
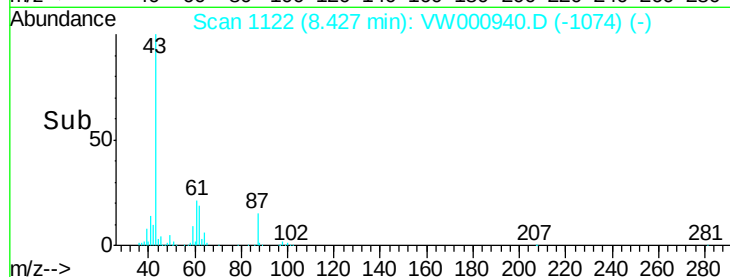
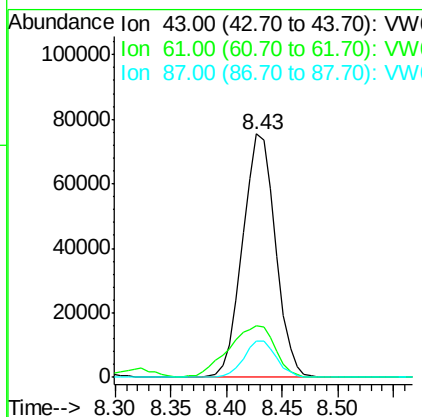
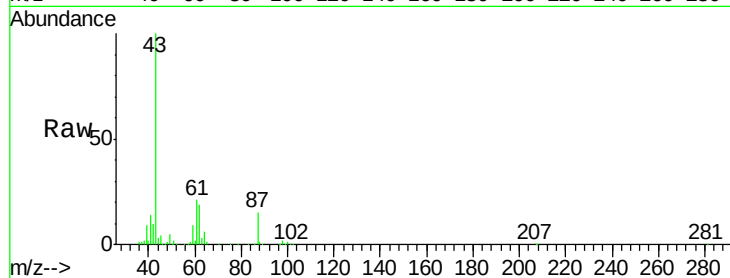
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 155290 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 29.9  | 23.6  | 35.4   |
| 87       | 14.8  | 11.7  | 17.5   |

Manual Integrations  
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#44

Trichloroethene

Concen: 50.83 ug/l

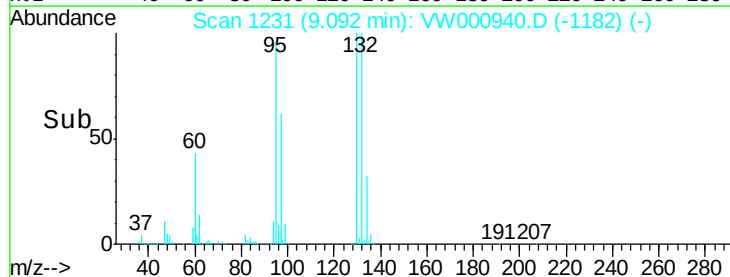
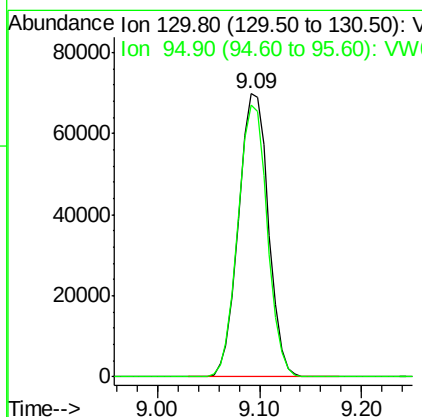
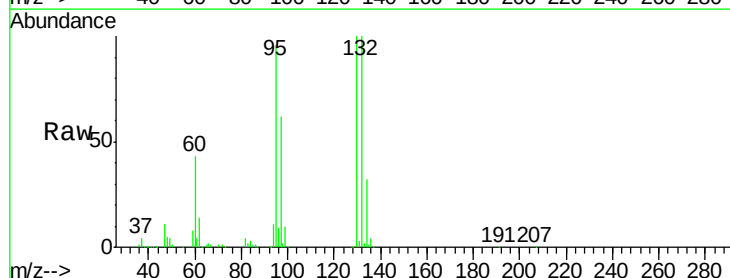
RT: 9.09 min Scan# 1231

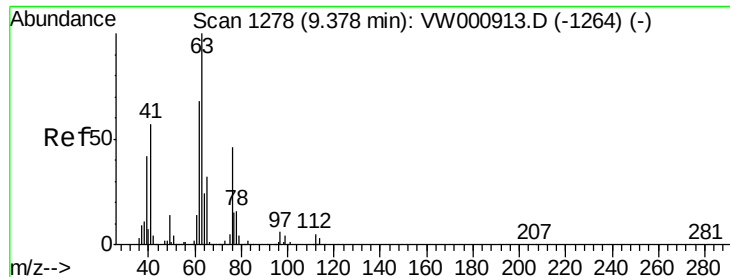
Delta R.T. -0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 142080 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 95.9  | 0.0   | 190.4  |





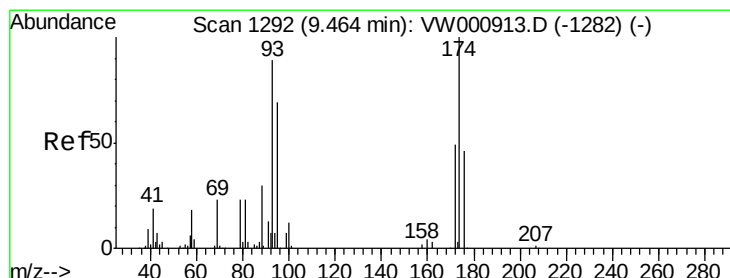
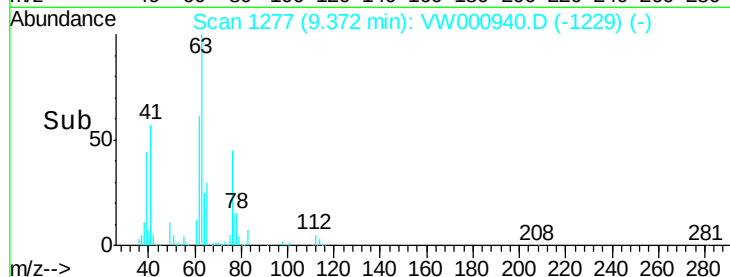
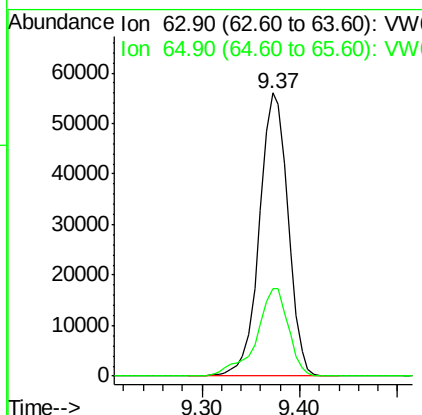
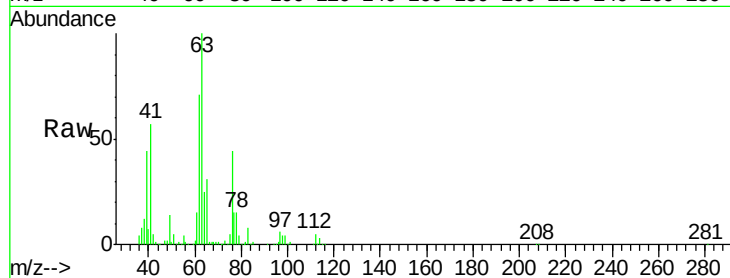
#45  
 1,2-Dichloropropane  
 Concen: 51.76 ug/l  
 RT: 9.37 min Scan# 1277  
 Delta R.T. -0.01 min  
 Lab File: VW000940.D  
 Acq: 24 Jan 2018 10:20

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.8  | 25.2  | 37.8  |

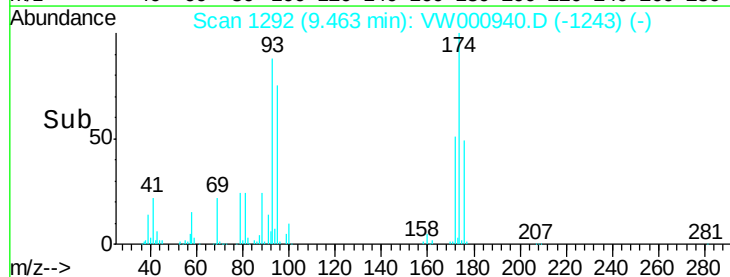
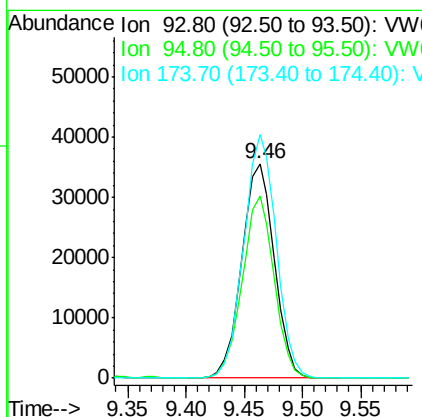
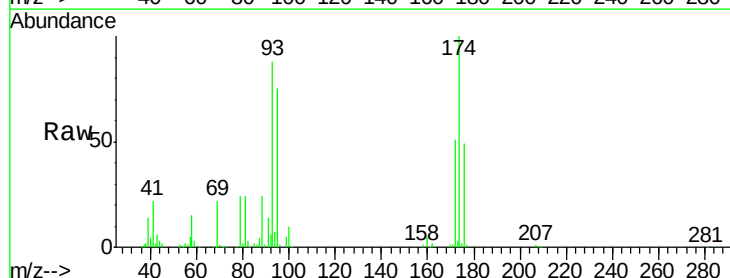
Manual Integrations  
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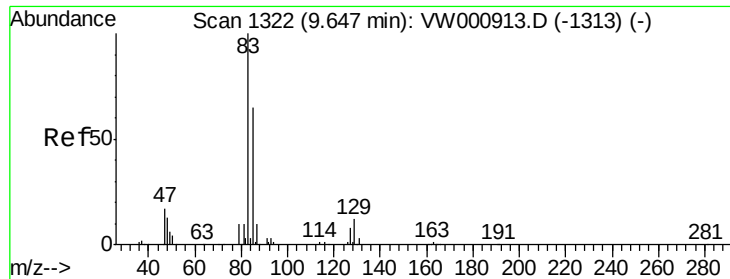
MMDadoda  
 1/25/2018 1:33:53 PM



#46  
 Dibromomethane  
 Concen: 49.59 ug/l  
 RT: 9.46 min Scan# 1292  
 Delta R.T. -0.00 min  
 Lab File: VW000940.D  
 Acq: 24 Jan 2018 10:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 82.7  | 65.8  | 98.6  |
| 174     | 113.3 | 89.0  | 133.6 |





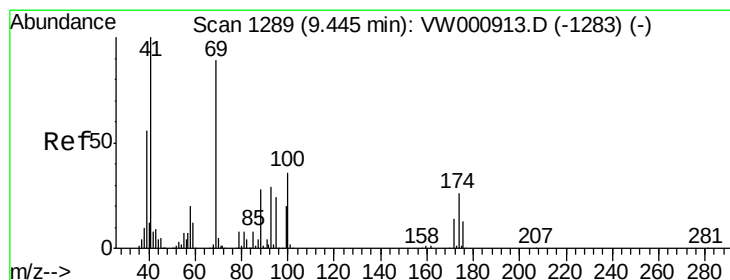
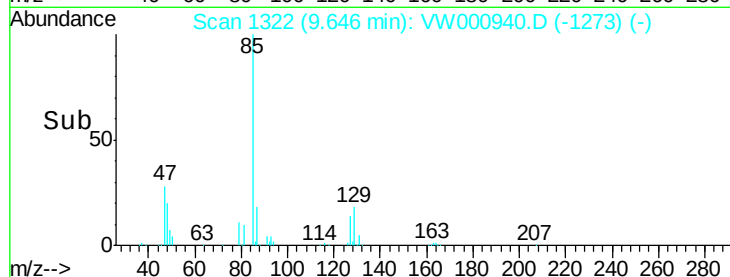
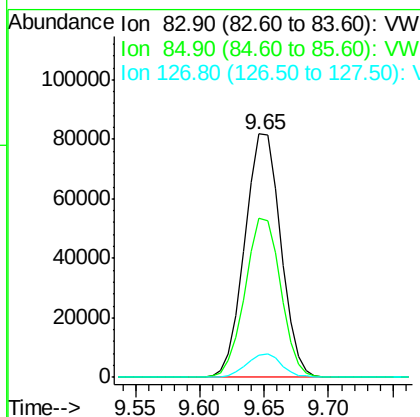
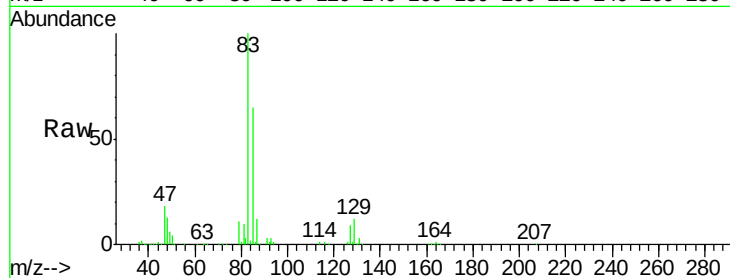
#47  
 Bromodichloromethane  
 Concen: 51.07 ug/l  
 RT: 9.65 min Scan# 1322  
 Delta R.T. -0.00 min  
 Lab File: VW000940.D  
 Acq: 24 Jan 2018 10:20

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 158382 |       |       |
| 85      | 65.4  | 52.0   | 78.0  |       |
| 127     | 9.3   | 6.8    | 10.2  |       |

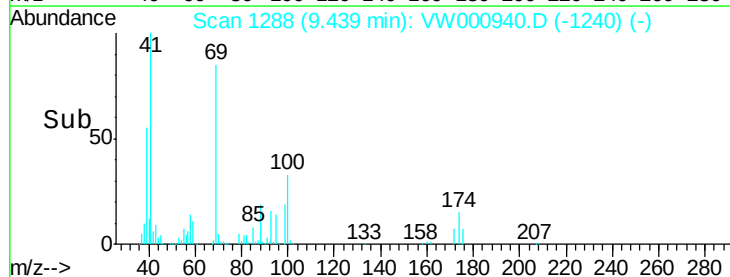
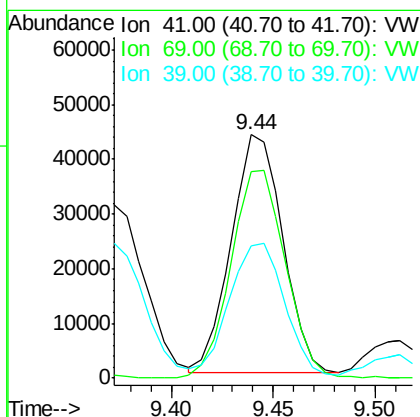
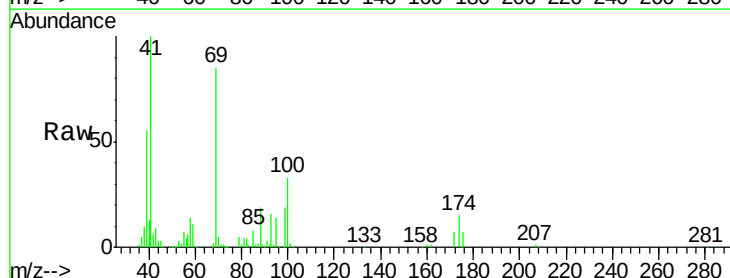
Manual Integrations  
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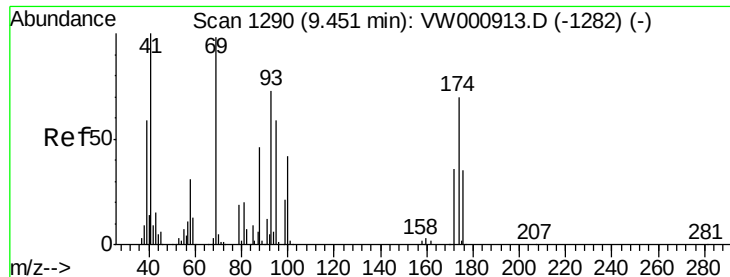
MMDadoda  
 1/25/2018 1:33:53 PM



#48  
 Methyl methacrylate  
 Concen: 47.98 ug/l  
 RT: 9.44 min Scan# 1288  
 Delta R.T. -0.01 min  
 Lab File: VW000940.D  
 Acq: 24 Jan 2018 10:20

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 41      | 100   | 76289 |       |       |
| 69      | 92.6  | 72.9  | 109.3 |       |
| 39      | 61.3  | 48.4  | 72.6  |       |





#49

1,4-Dioxane

Concen: 907.58 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

Instrument :

MSVOA\_W

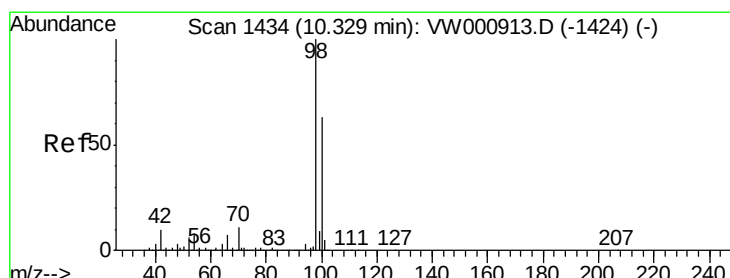
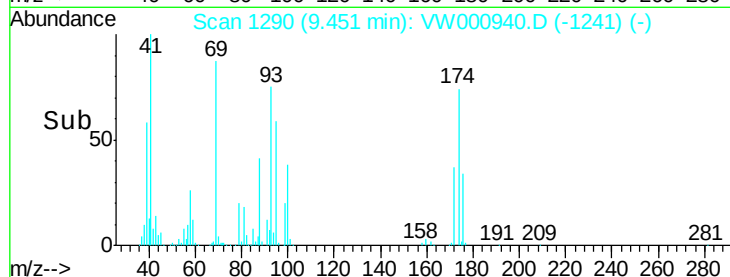
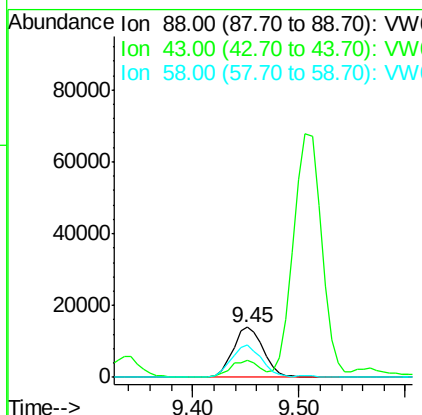
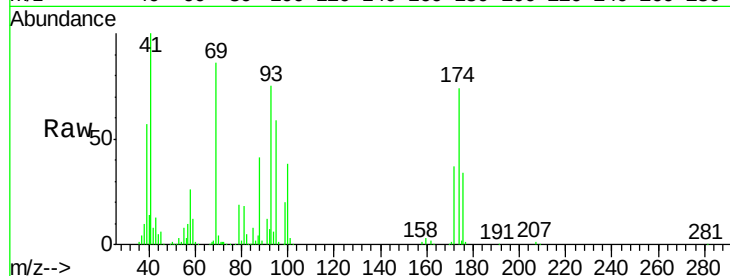
ClientSampleId :

VSTDCCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 88    | Resp: | 27816 |
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 43        | 30.9  | 24.5  | 36.7  |
| 58        | 65.0  | 54.7  | 82.1  |

Manual Integrations  
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1/25/2018 1:33:53 PM



#50

Toluene-d8

Concen: 52.45 ug/l

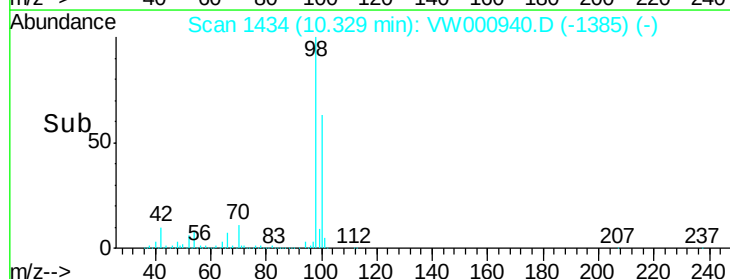
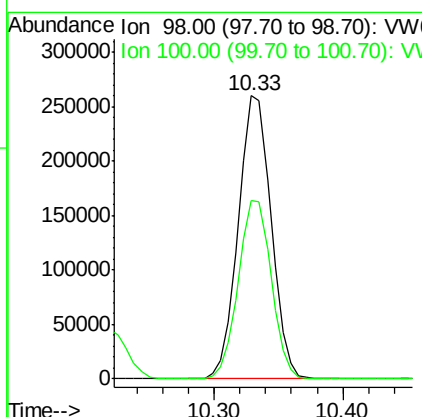
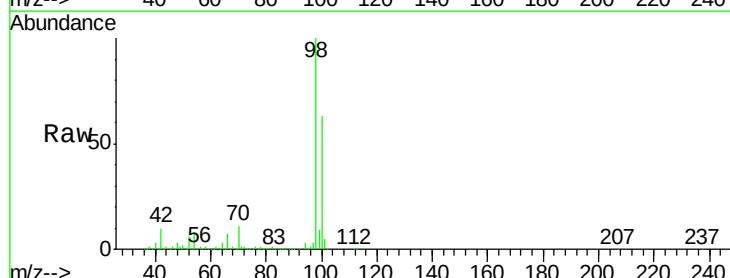
RT: 10.33 min Scan# 1434

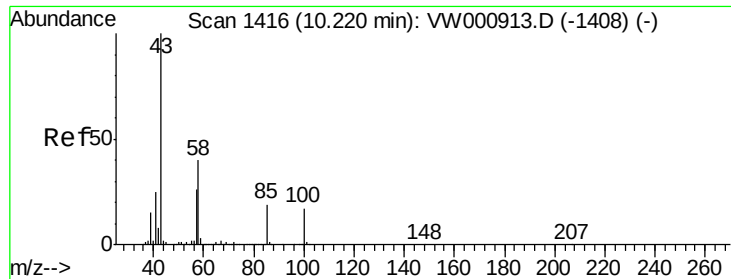
Delta R.T. -0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 98    | Resp: | 459354 |
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 63.4  | 50.8  | 76.2   |





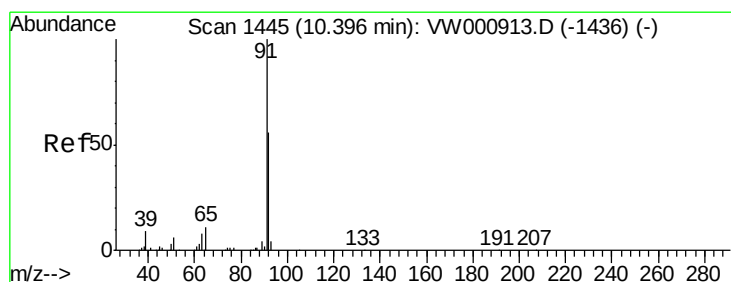
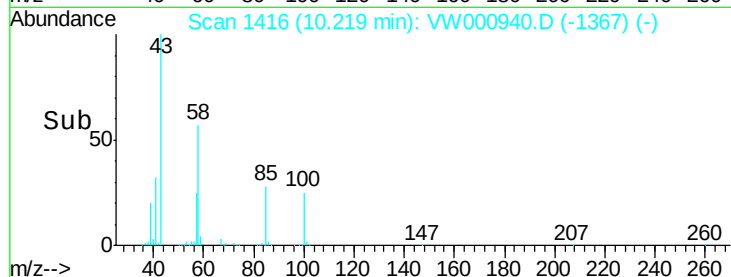
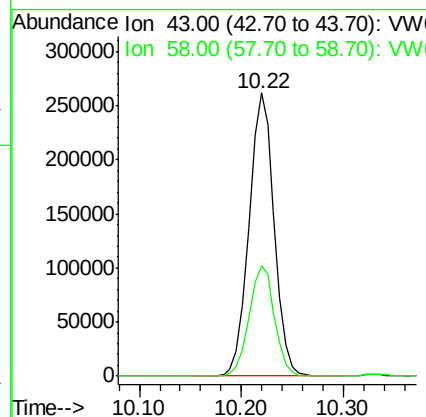
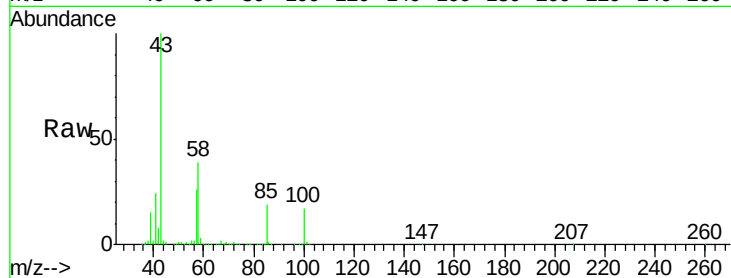
#51  
4-Methyl-2-Pentanone  
Concen: 234.61 ug/l  
RT: 10.22 min Scan# 1416  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 43   | Resp  | 446920 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 39.3 | 32.0  | 48.0   |

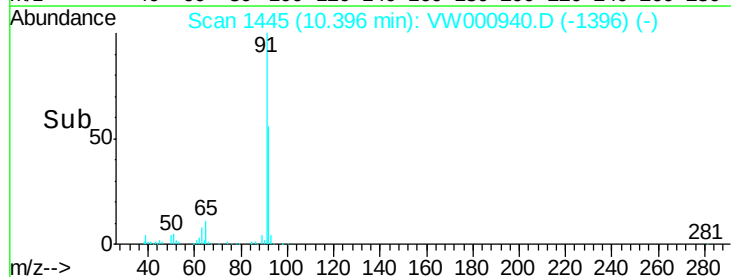
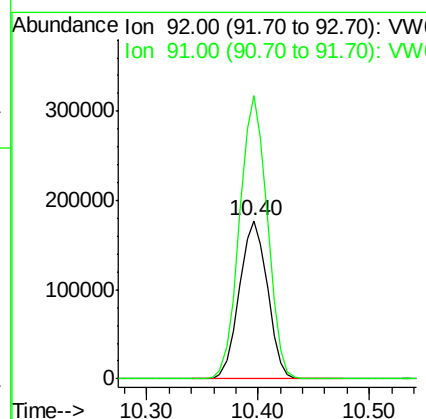
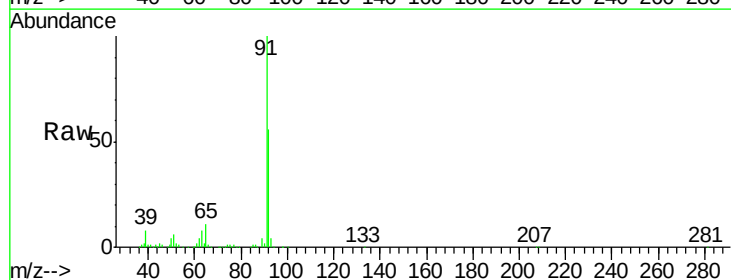
Manual Integrations  
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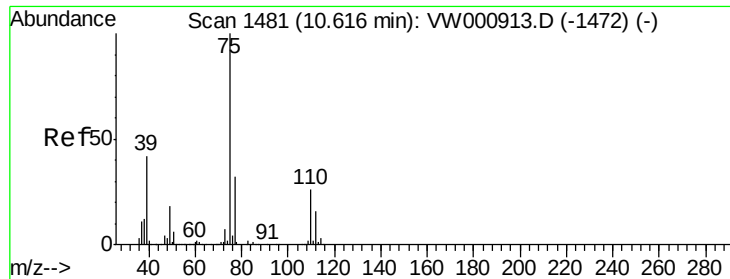
MMDadoda  
1/25/2018 1:33:53 PM



#52  
Toluene  
Concen: 52.17 ug/l  
RT: 10.40 min Scan# 1445  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

| Tgt Ion   | 92    | Resp  | 310038 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 92        | 100   |       |        |
| 91        | 176.8 | 140.7 | 211.1  |





#53

t-1,3-Dichloropropene

Concen: 50.92 ug/l

RT: 10.62 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

Instrument :

MSVOA\_W

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 159984

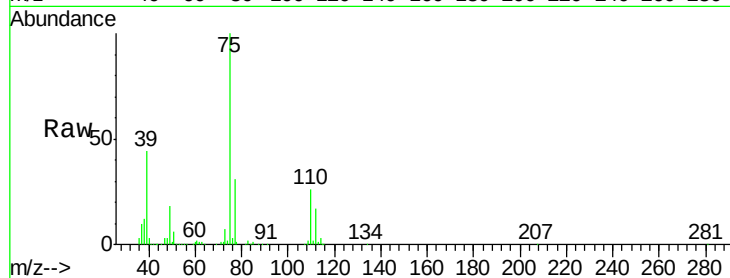
Ion Ratio Lower Upper

75 100

77 30.8 25.7 38.5

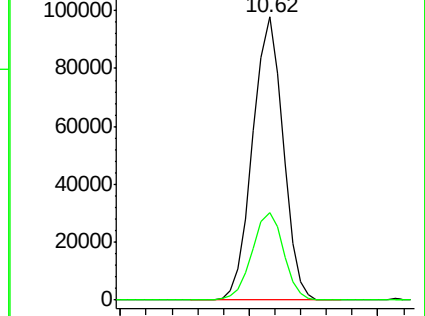
Manual Integrations  
APPROVED

MMDadoda  
1/25/2018 1:33:53 PM

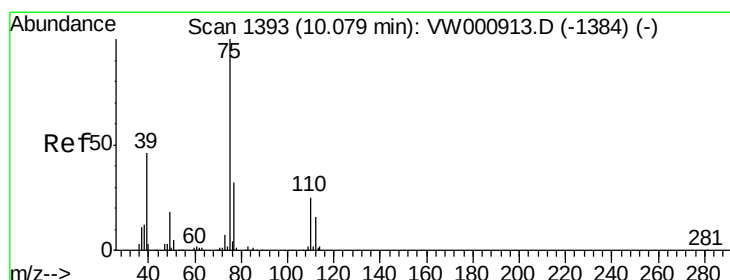
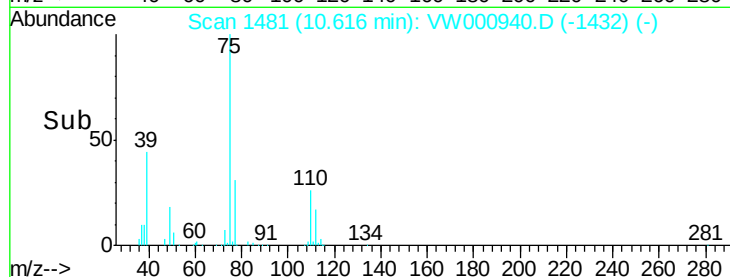


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 51.62 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

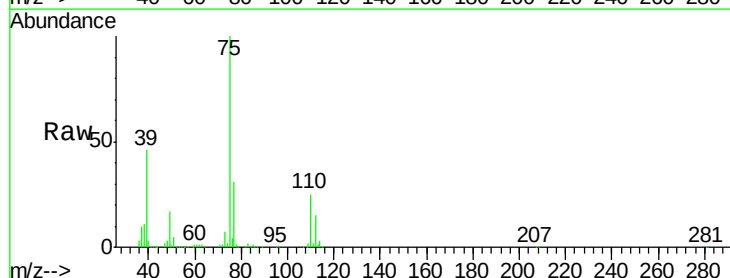
Tgt Ion: 75 Resp: 178421

Ion Ratio Lower Upper

75 100

77 30.6 25.3 37.9

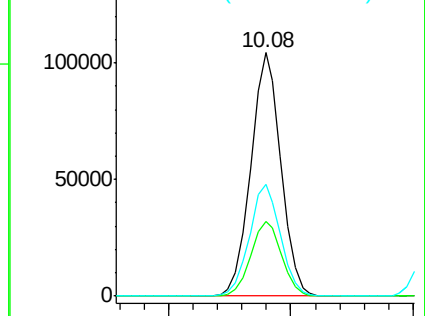
39 45.8 37.0 55.6



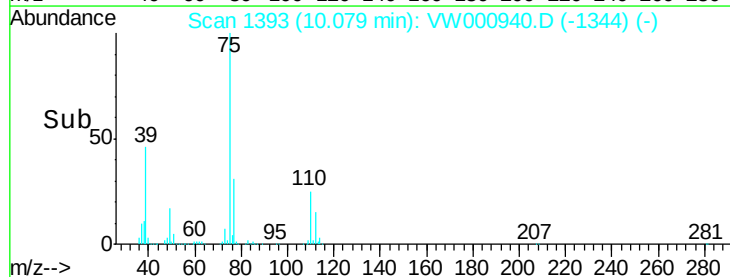
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

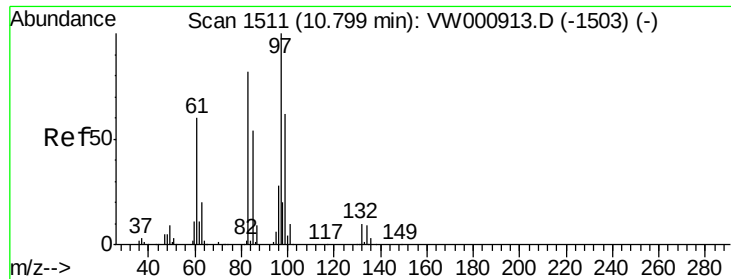
Ion 39.00 (38.70 to 39.70): VW



Time--> 10.00 10.10







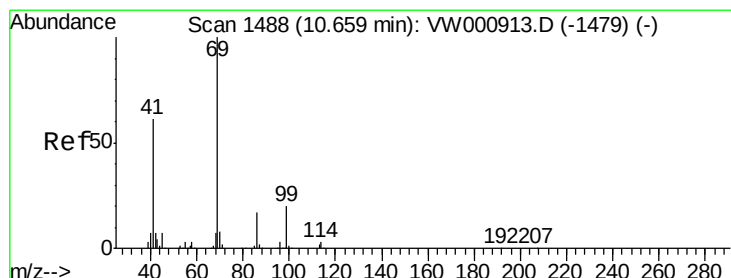
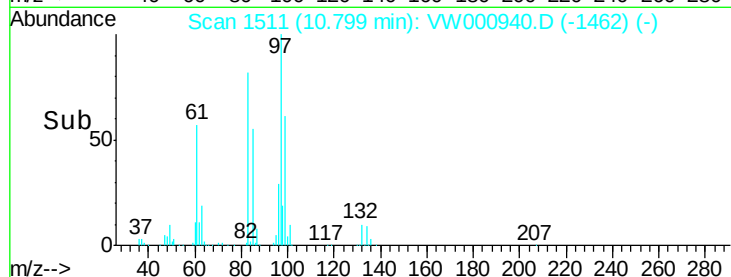
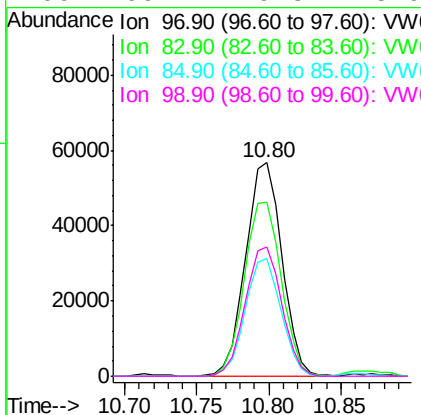
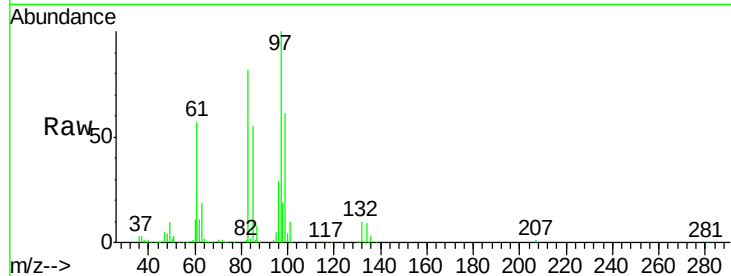
#55  
 1,1,2-Trichloroethane  
 Concen: 50.52 ug/l  
 RT: 10.80 min Scan# 1511  
 Delta R.T. -0.00 min  
 Lab File: VW000940.D  
 Acq: 24 Jan 2018 10:20

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | 97    | Resp  | 98919 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 97      | 100   |       |       |
| 83      | 81.8  | 65.2  | 97.8  |
| 85      | 55.4  | 43.1  | 64.7  |
| 99      | 60.7  | 49.3  | 73.9  |

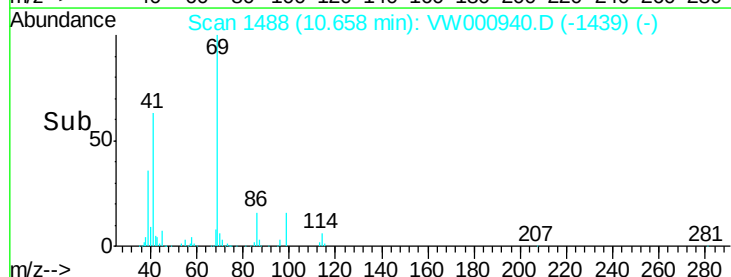
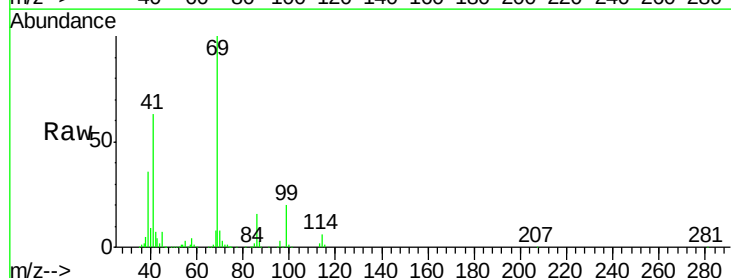
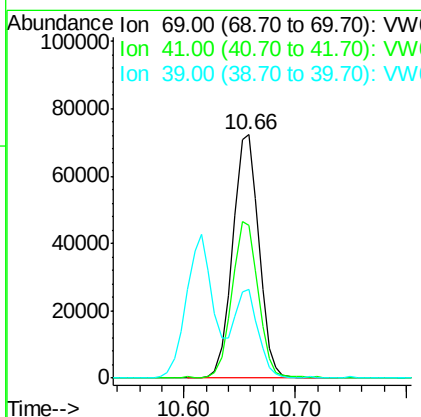
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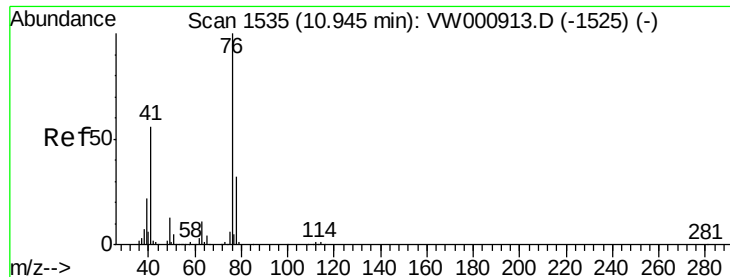
MMDadoda  
 1/25/2018 1:33:53 PM



#56  
 Ethyl methacrylate  
 Concen: 45.17 ug/l  
 RT: 10.66 min Scan# 1488  
 Delta R.T. 0.00 min  
 Lab File: VW000940.D  
 Acq: 24 Jan 2018 10:20

| Tgt Ion | 69    | Resp  | 117806 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 69      | 100   |       |        |
| 41      | 63.4  | 50.3  | 75.5   |
| 39      | 34.7  | 28.6  | 42.8   |





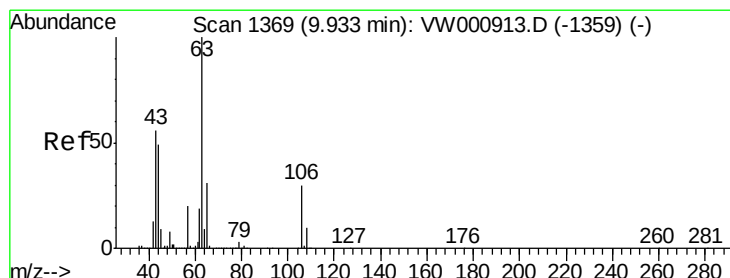
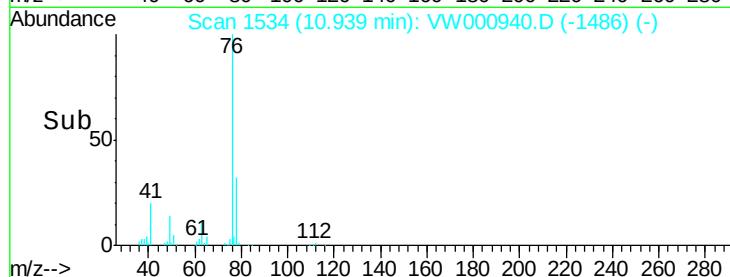
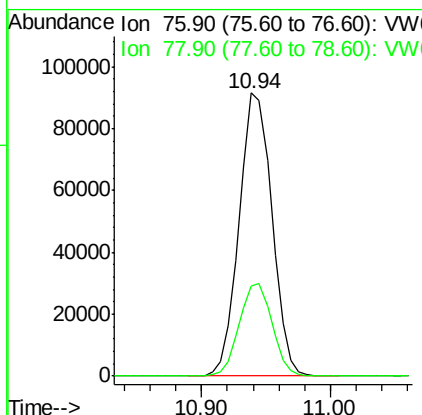
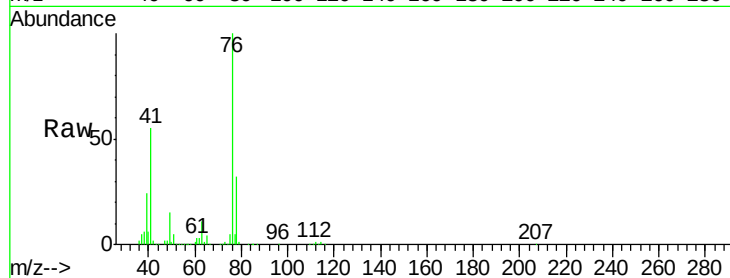
#57  
 1,3-Dichloropropane  
 Concen: 50.42 ug/l  
 RT: 10.94 min Scan# 1534  
 Delta R.T. -0.01 min  
 Lab File: VW000940.D  
 Acq: 24 Jan 2018 10:20

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.7  | 25.8  | 38.8  |

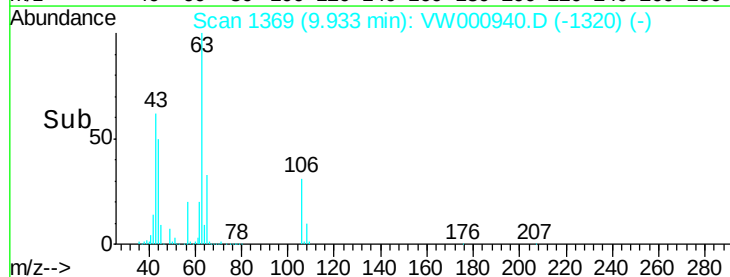
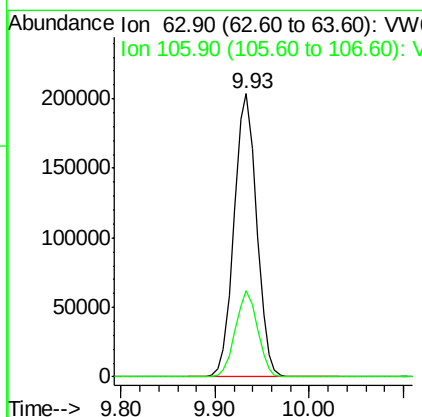
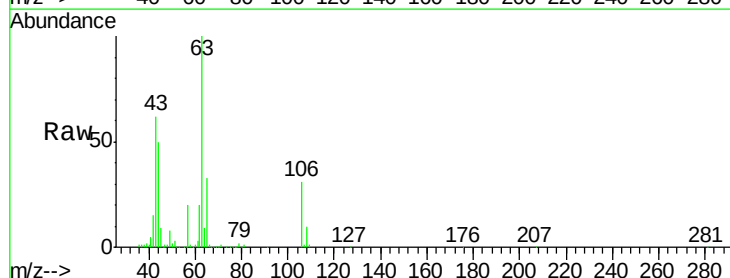
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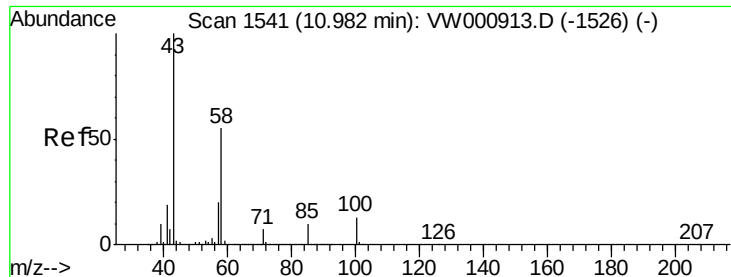
MMDadoda  
 1/25/2018 1:33:53 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 229.83 ug/l  
 RT: 9.93 min Scan# 1369  
 Delta R.T. -0.00 min  
 Lab File: VW000940.D  
 Acq: 24 Jan 2018 10:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 30.0  | 23.8  | 35.8  |





#59

2-Hexanone

Concen: 213.27 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. 0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 353318

Ion Ratio Lower Upper

43 100

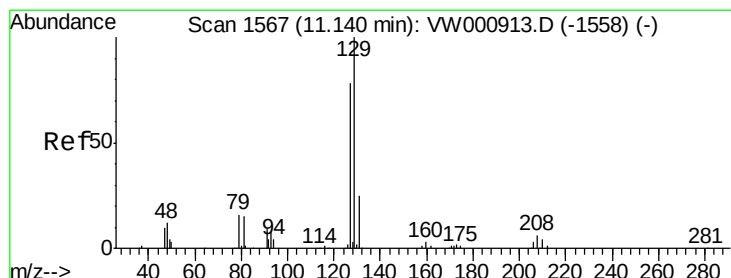
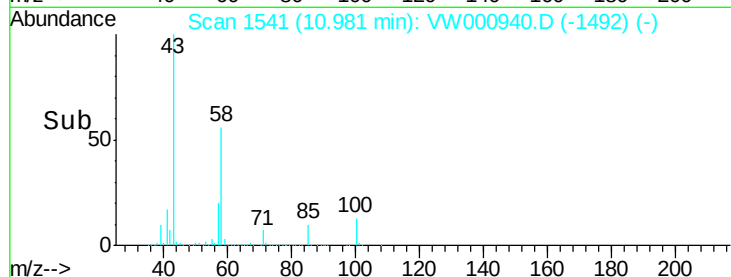
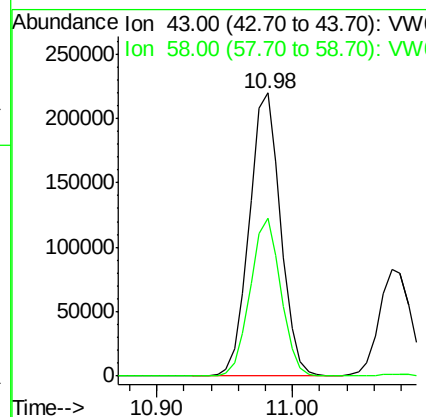
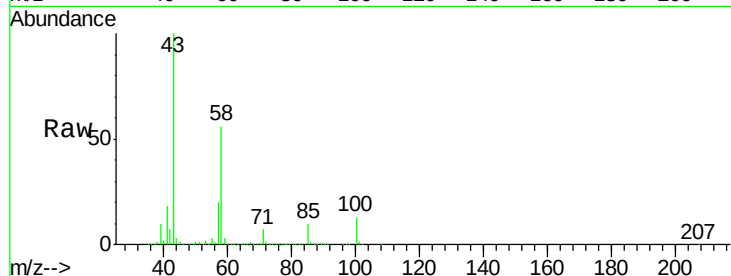
58 54.9 27.4 82.2

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#60

Dibromochloromethane

Concen: 50.86 ug/l

RT: 11.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VW000940.D

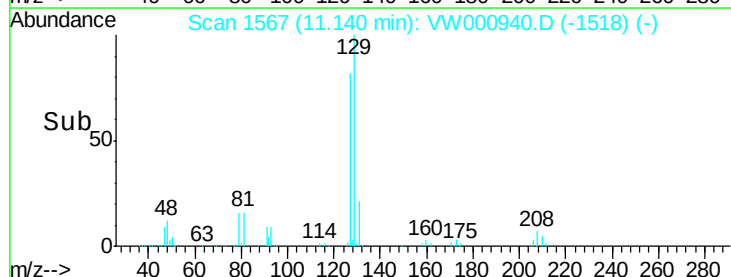
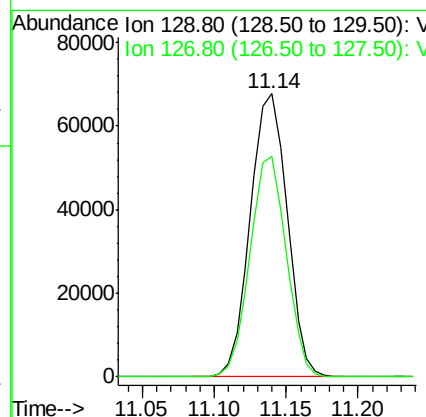
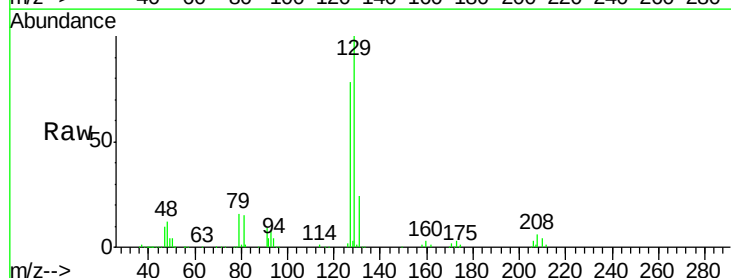
Acq: 24 Jan 2018 10:20

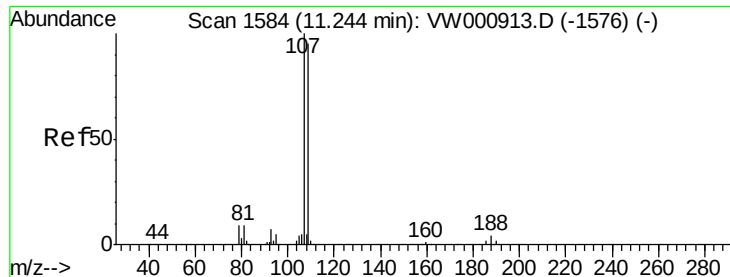
Tgt Ion: 129 Resp: 120282

Ion Ratio Lower Upper

129 100

127 76.7 38.4 115.2





#61

1,2-Dibromoethane

Concen: 48.68 ug/l

RT: 11.24 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 99303

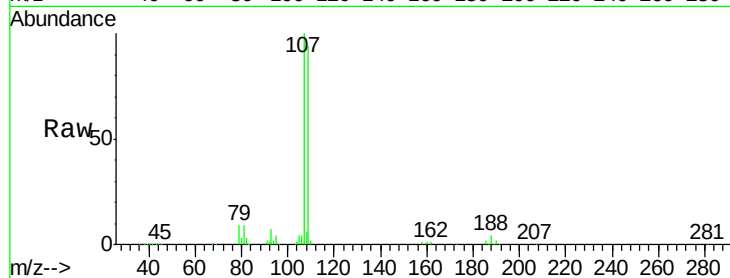
Ion Ratio Lower Upper

107 100

109 95.3 76.0 114.0

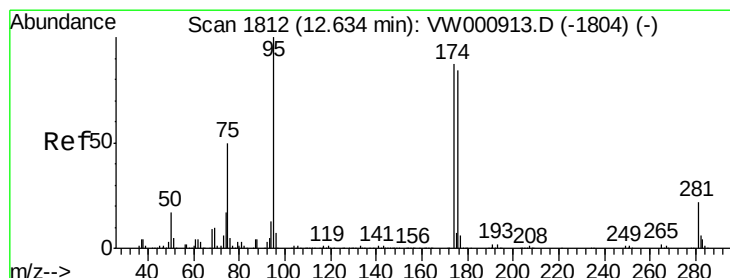
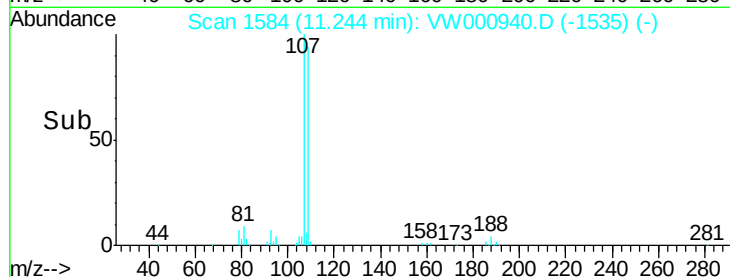
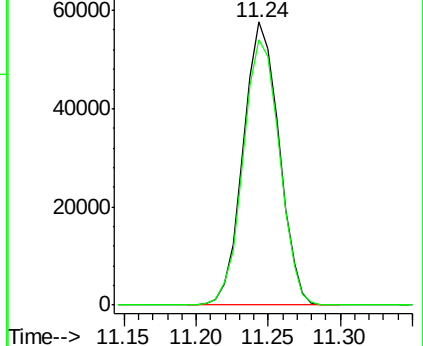
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.52 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

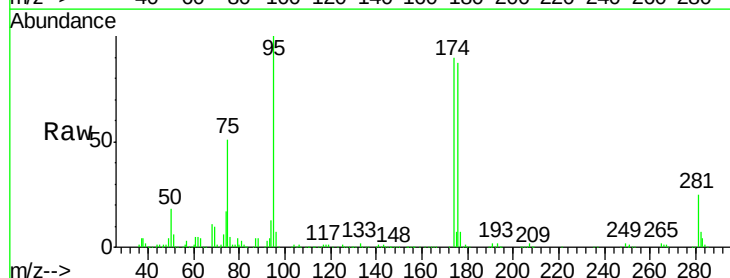
Tgt Ion: 95 Resp: 161130

Ion Ratio Lower Upper

95 100

174 89.5 0.0 176.8

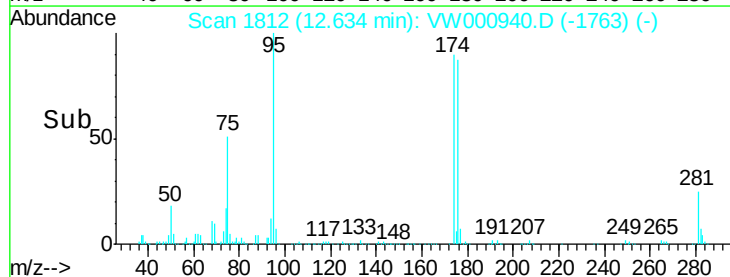
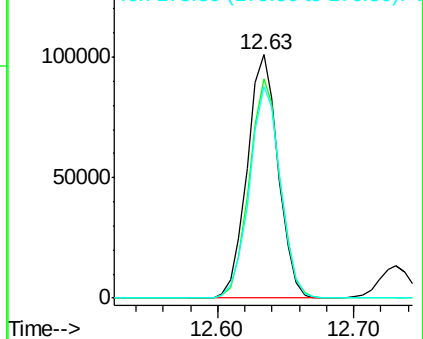
176 86.8 0.0 171.8

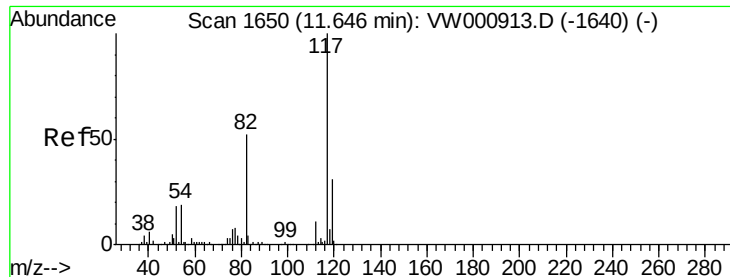


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





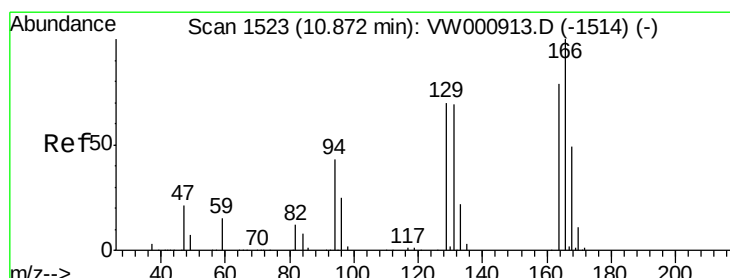
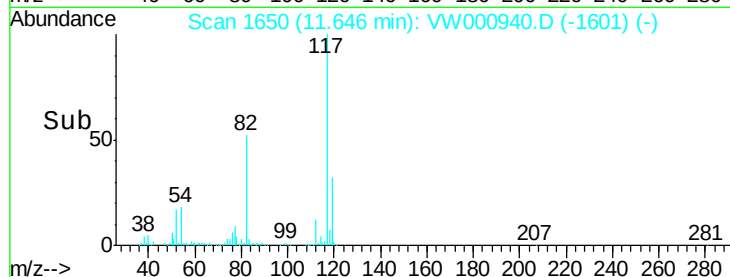
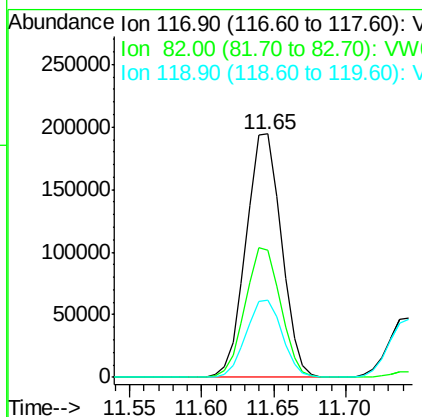
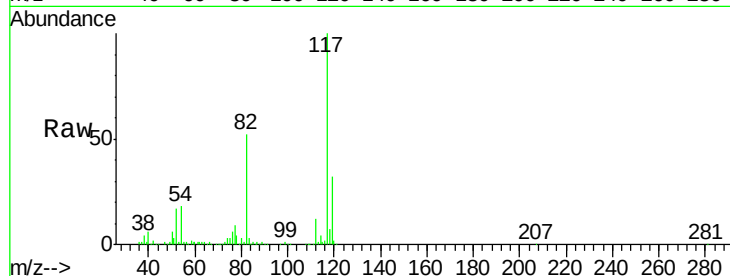
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.65 min Scan# 1650  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.2  | 41.8  | 62.6  |
| 119     | 31.8  | 25.2  | 37.8  |

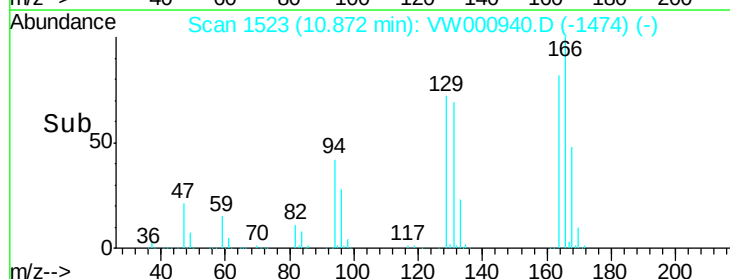
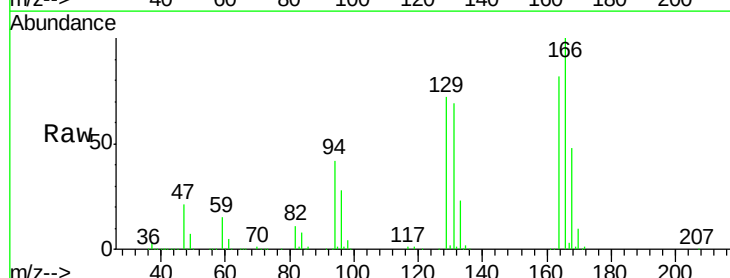
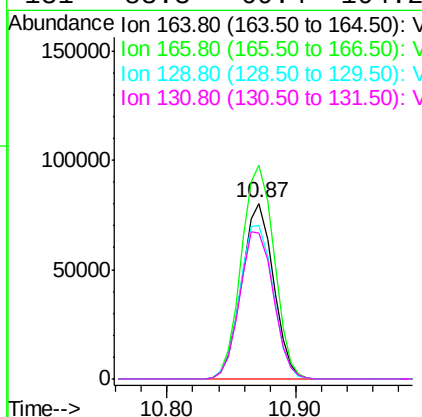
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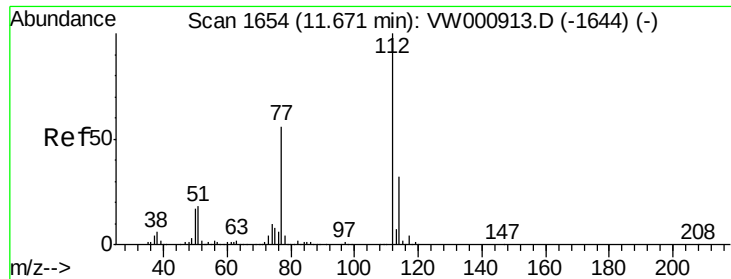
MMDadoda  
1/25/2018 1:33:53 PM



#64  
Tetrachloroethene  
Concen: 49.71 ug/l  
RT: 10.87 min Scan# 1523  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 121.5 | 100.9 | 151.3 |
| 129     | 87.8  | 70.5  | 105.7 |
| 131     | 83.3  | 69.4  | 104.2 |





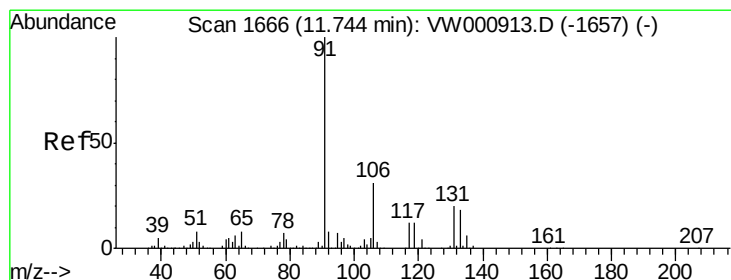
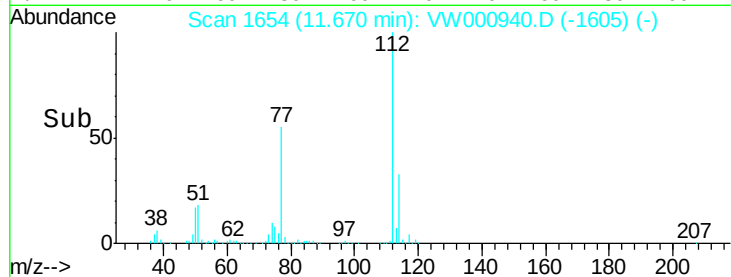
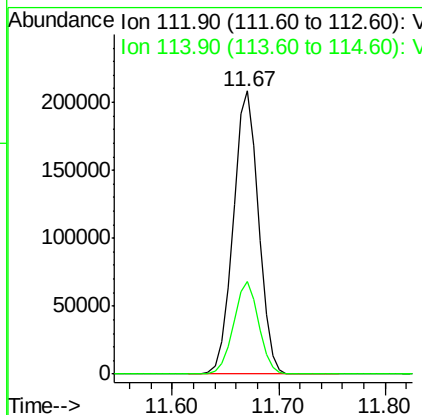
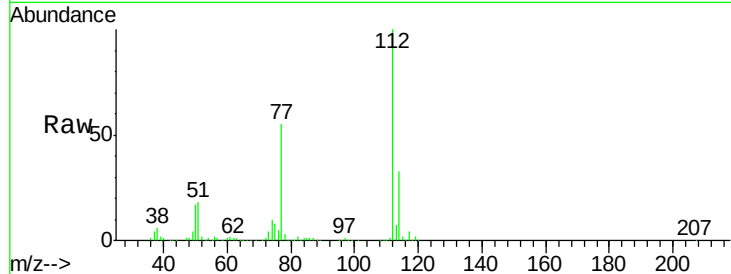
#65  
Chlorobenzene  
Concen: 50.97 ug/l  
RT: 11.67 min Scan# 1654  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.5  | 25.8  | 38.6  |

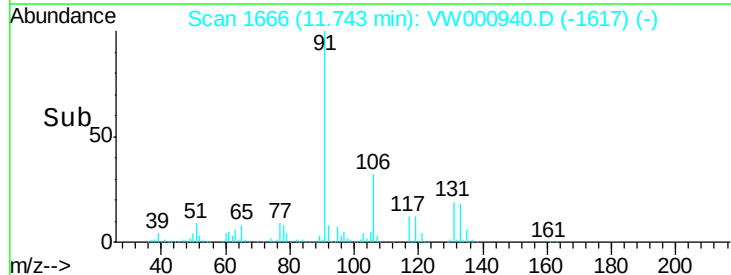
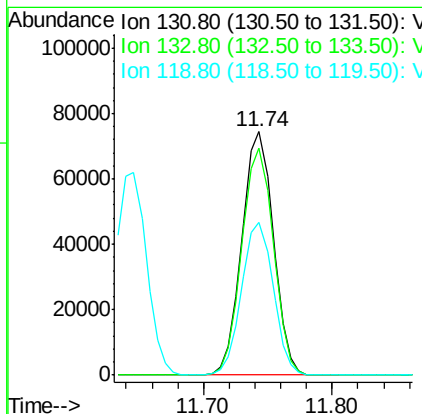
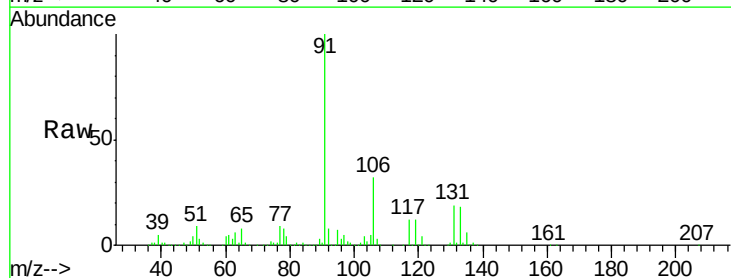
Manual Integrations  
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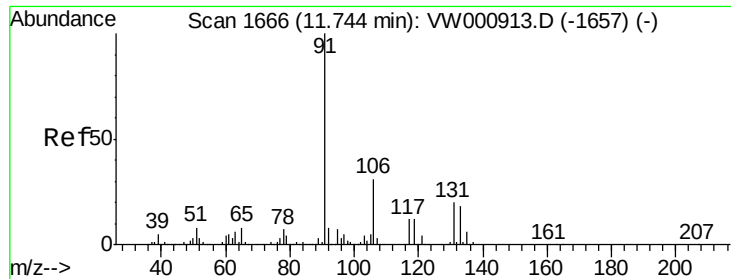
MMDadoda  
1/25/2018 1:33:53 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.56 ug/l  
RT: 11.74 min Scan# 1666  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 93.9  | 47.3  | 142.0 |
| 119     | 63.1  | 31.6  | 94.7  |





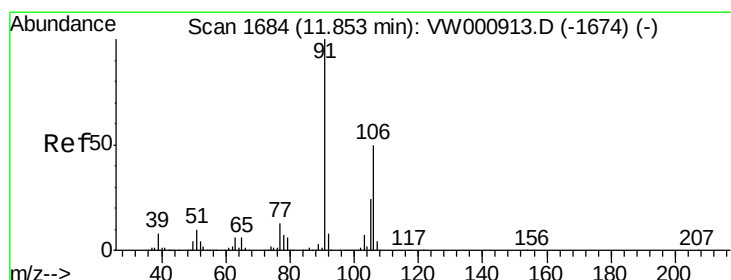
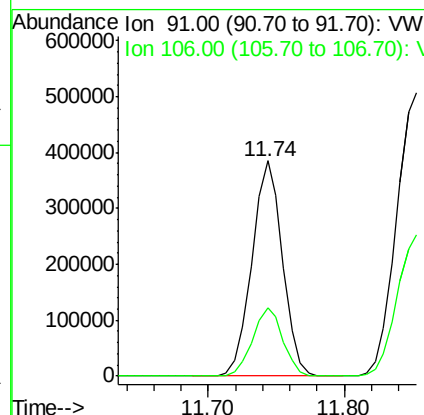
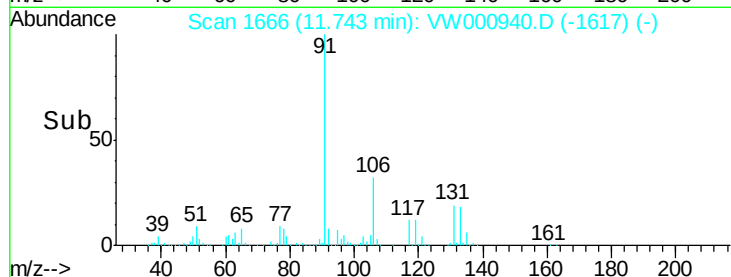
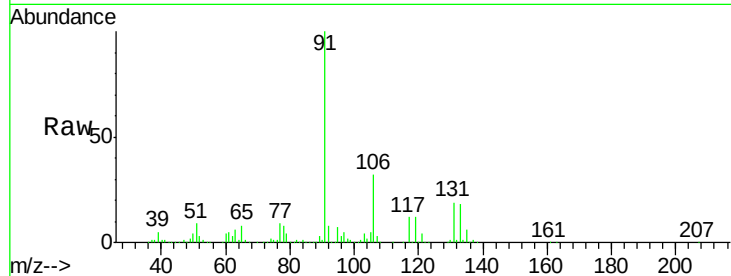
#67  
Ethyl Benzene  
Concen: 52.51 ug/l  
RT: 11.74 min Scan# 1666  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 603741  
Ion Ratio Lower Upper  
91 100  
106 31.7 25.1 37.7

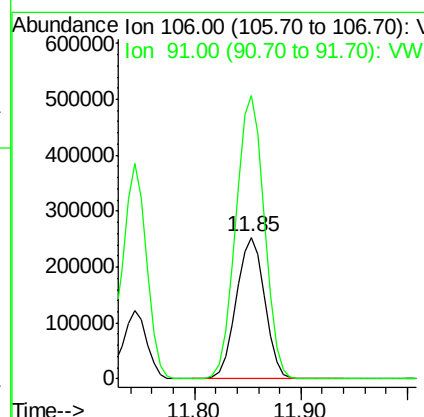
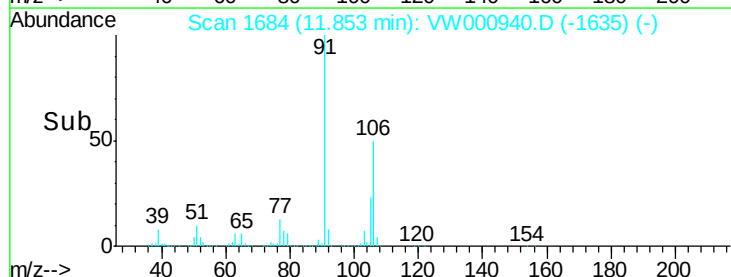
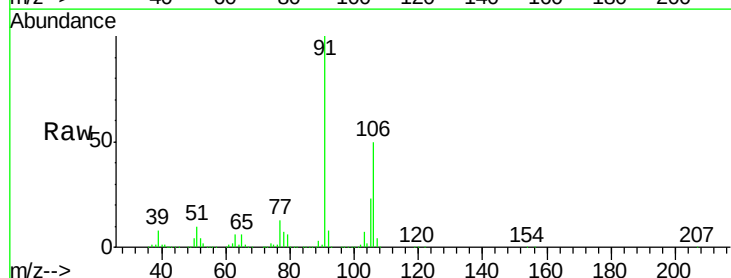
Manual Integrations  
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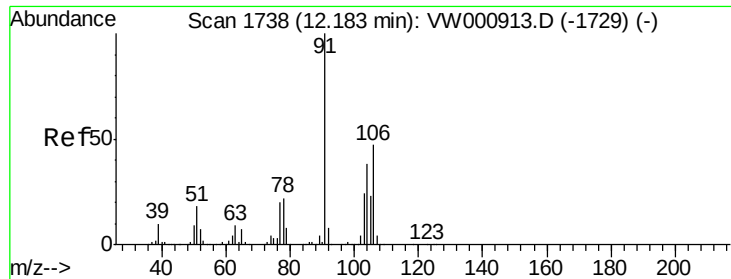
MMDadoda  
1/25/2018 1:33:53 PM



#68  
m/p-Xylenes  
Concen: 106.25 ug/l  
RT: 11.85 min Scan# 1684  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

Tgt Ion: 106 Resp: 474810  
Ion Ratio Lower Upper  
106 100  
91 200.8 161.9 242.9





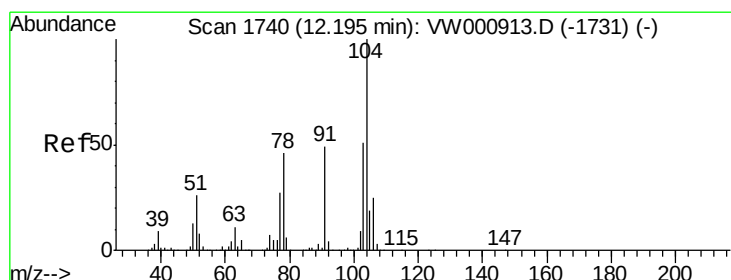
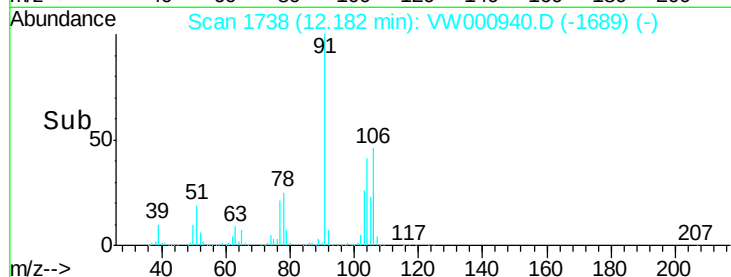
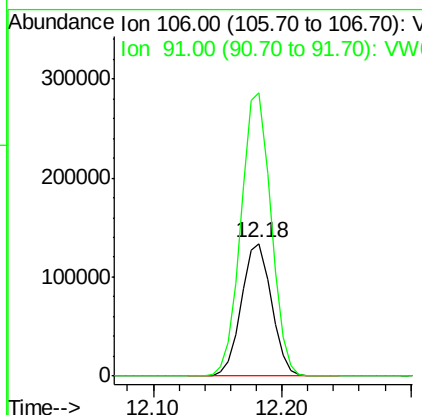
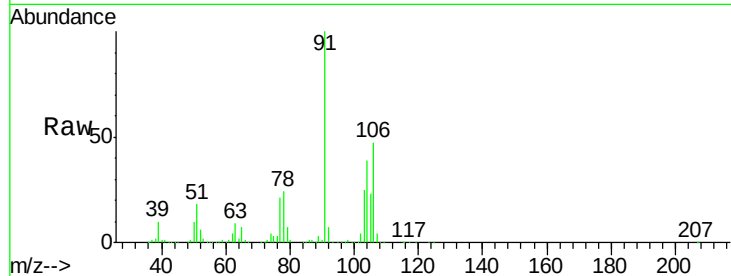
#69  
o-Xylene  
Concen: 52.54 ug/l  
RT: 12.18 min Scan# 1738  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 213.7 | 106.3 | 318.8 |

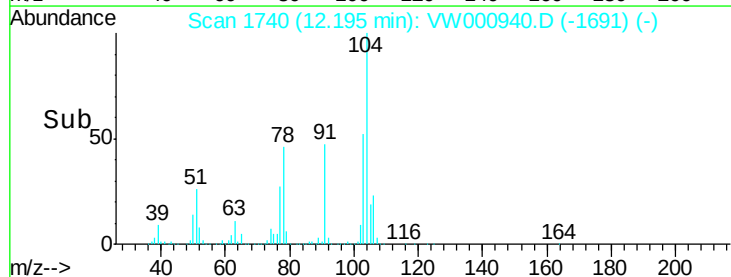
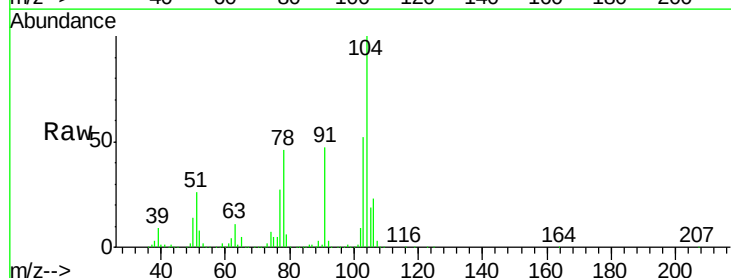
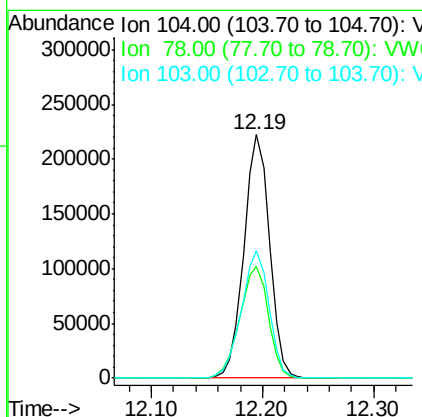
Manual Integrations  
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1/25/2018 1:33:53 PM

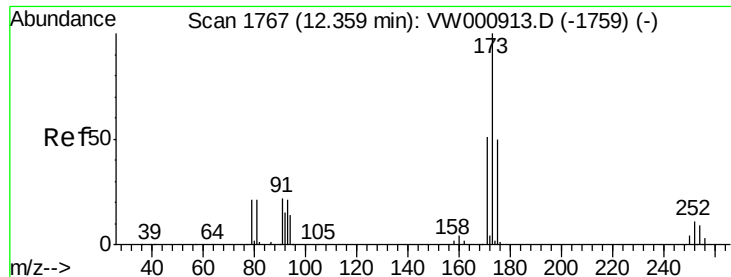


#70  
Styrene  
Concen: 53.41 ug/l  
RT: 12.19 min Scan# 1740  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 50.9  | 40.1  | 60.1  |
| 103     | 56.5  | 44.6  | 66.8  |







#71

Bromoform

Concen: 49.63 ug/l

RT: 12.37 min Scan# 1768

Delta R.T. 0.01 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 82296

Ion Ratio Lower Upper

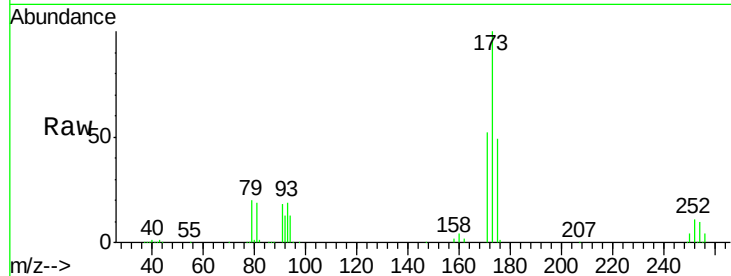
173 100

175 48.5 24.7 74.1

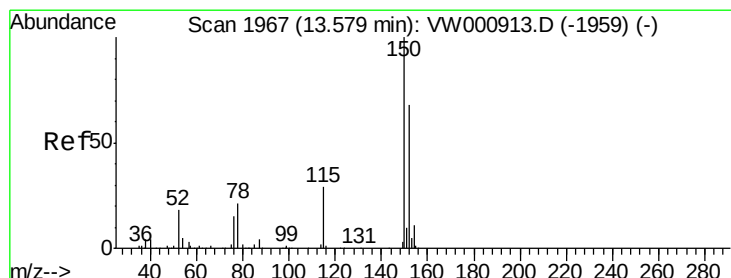
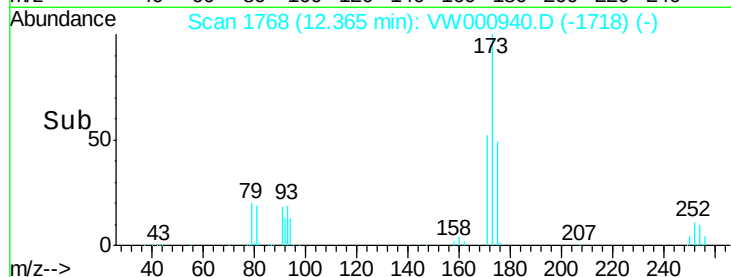
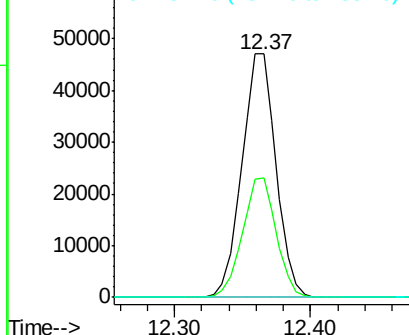
254 0.3 0.2 0.2#

Manual Integrations  
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Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1967

Delta R.T. -0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

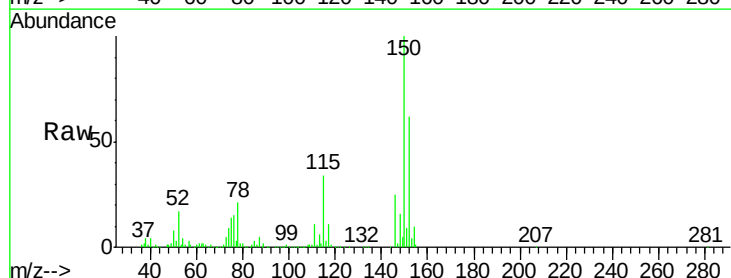
Tgt Ion:152 Resp: 176883

Ion Ratio Lower Upper

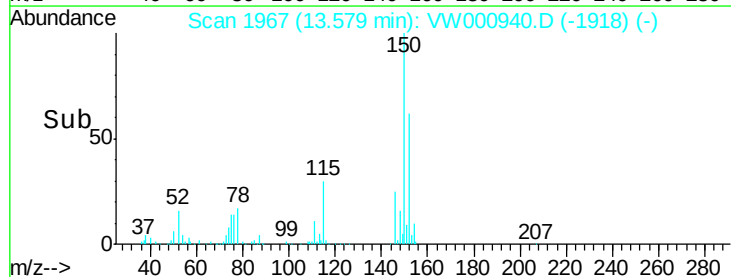
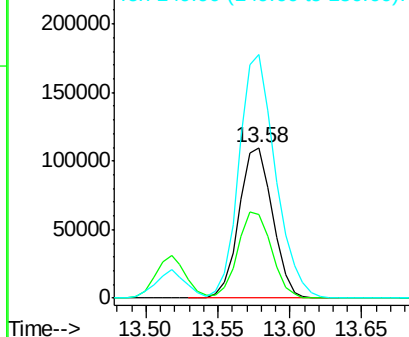
152 100

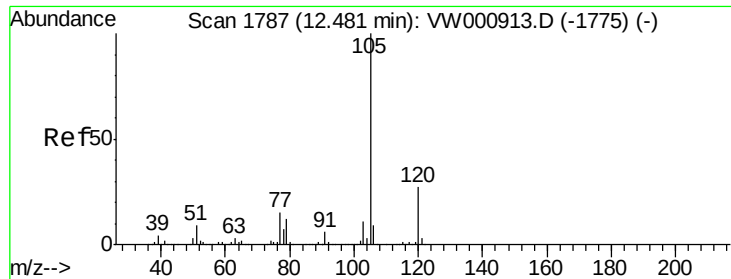
115 57.9 28.5 85.5

150 175.9 0.0 342.0



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: 53.38 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 610150

Ion Ratio Lower Upper

105 100

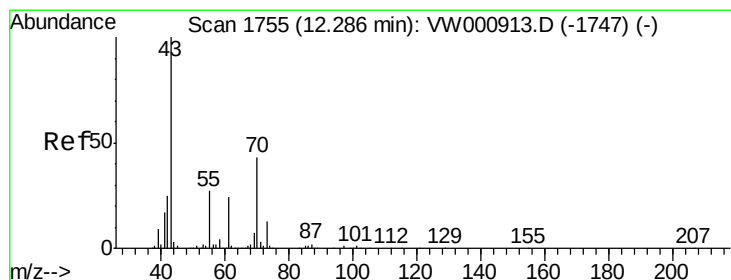
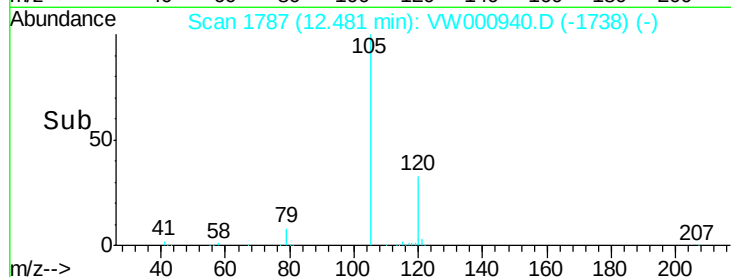
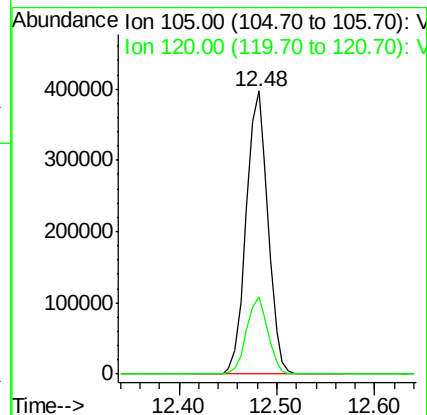
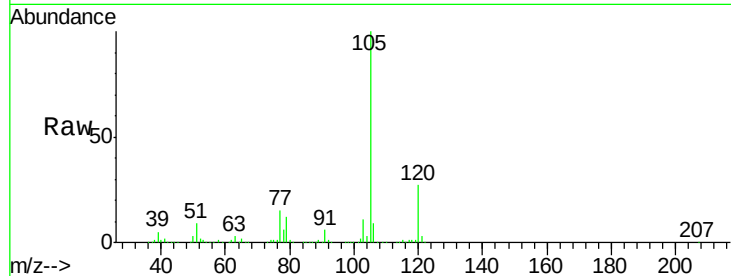
120 26.9 13.3 39.9

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#74

N-ethyl acetate

Concen: 49.06 ug/l

RT: 12.29 min Scan# 1755

Delta R.T. -0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

Tgt Ion: 43 Resp: 136172

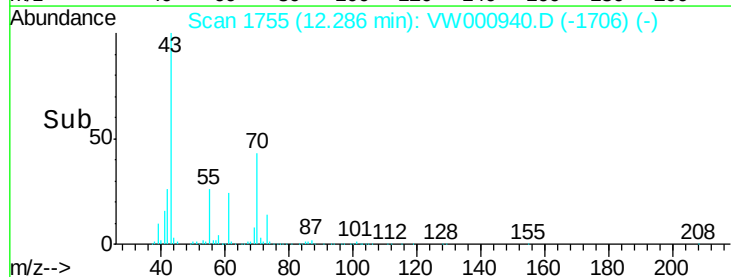
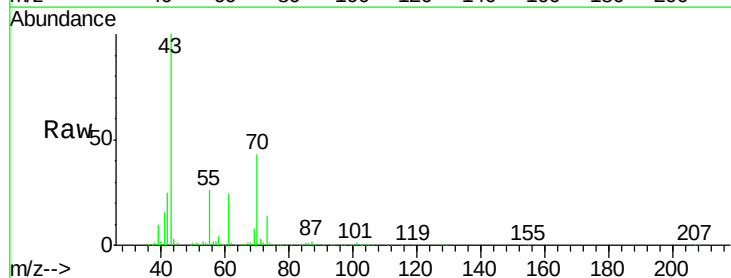
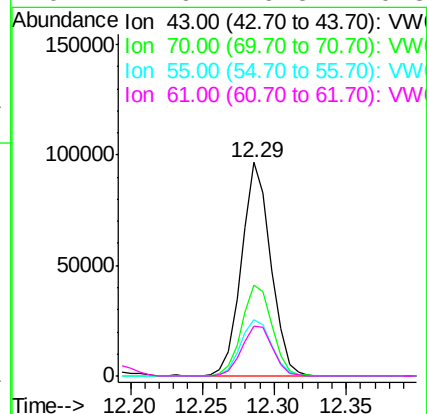
Ion Ratio Lower Upper

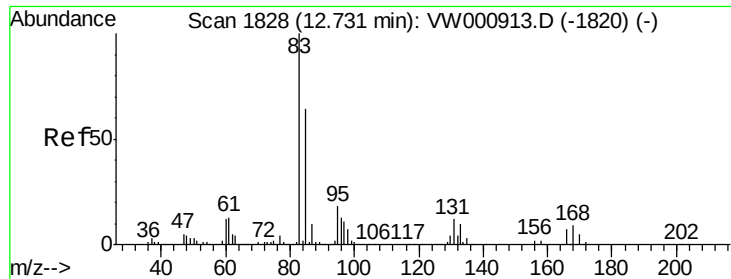
43 100

70 44.3 35.8 53.8

55 27.9 21.4 32.2

61 24.9 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 50.09 ug/l

RT: 12.73 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

Instrument :

MSVOA\_W

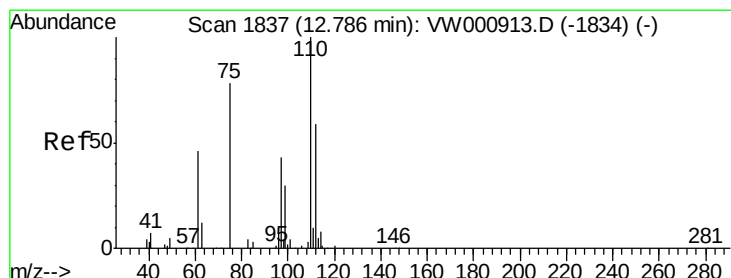
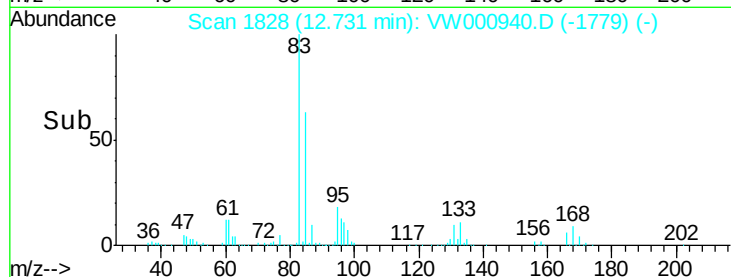
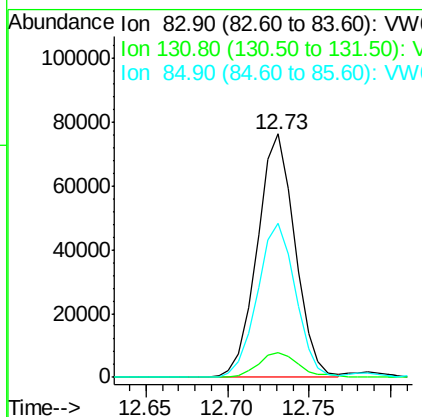
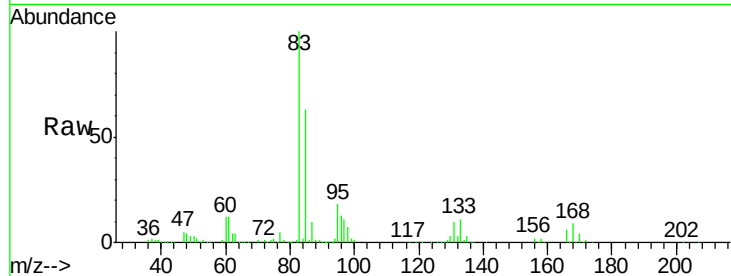
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 122352 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 11.2  | 5.9   | 17.7   |
| 85        | 64.0  | 32.6  | 97.7   |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 47.01 ug/l m

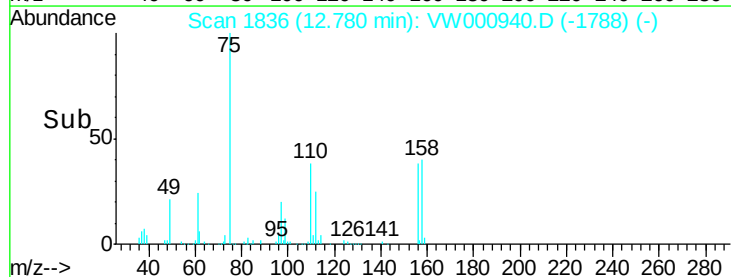
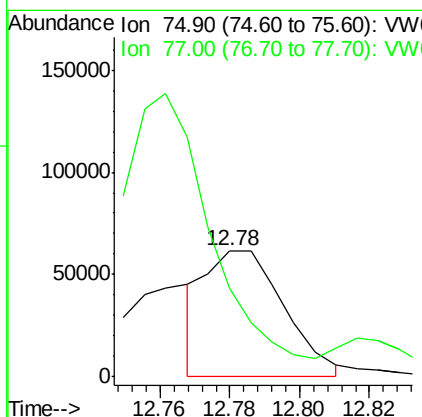
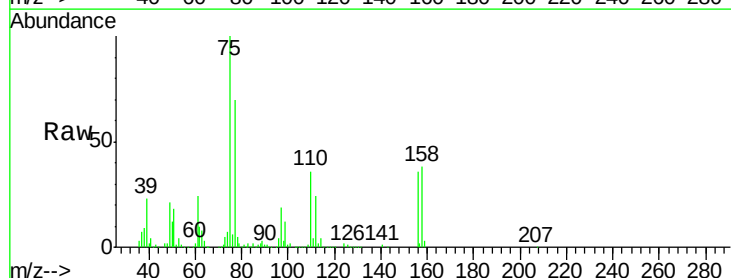
RT: 12.78 min Scan# 1836

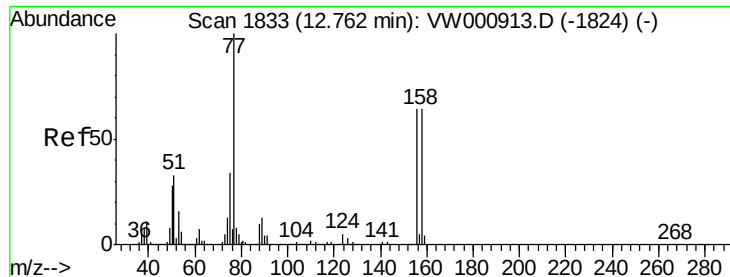
Delta R.T. -0.01 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 96215 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 273.7 | 0.0   | 0.0#  |





#77

Bromobenzene

Concen: 51.83 ug/l

RT: 12.76 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

Instrument :

MSVOA\_W

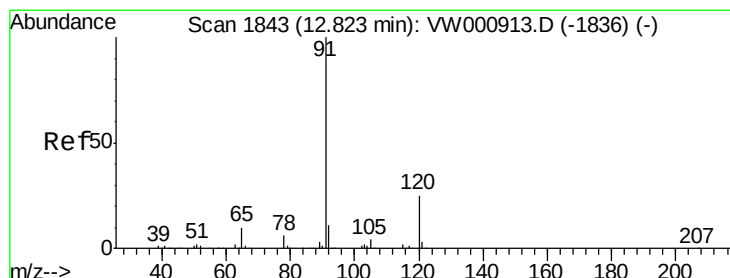
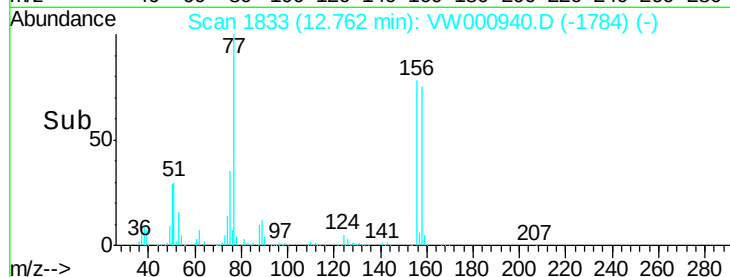
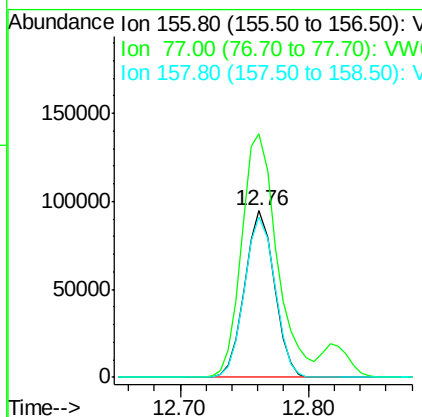
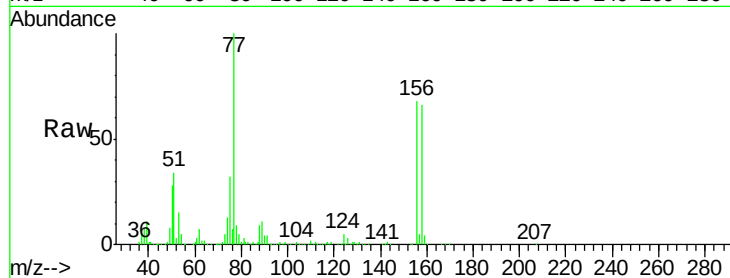
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 150713 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 174.8 | 89.0  | 267.1  |
| 158       | 98.4  | 48.9  | 146.8  |

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#78

n-propylbenzene

Concen: 53.62 ug/l

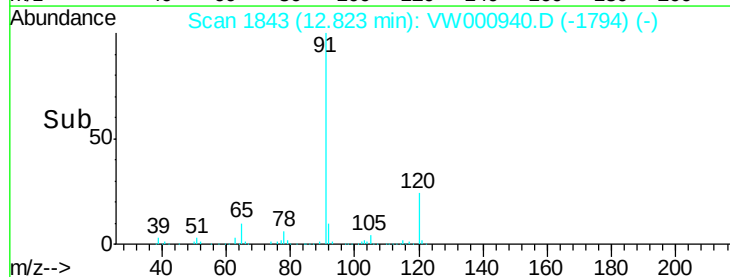
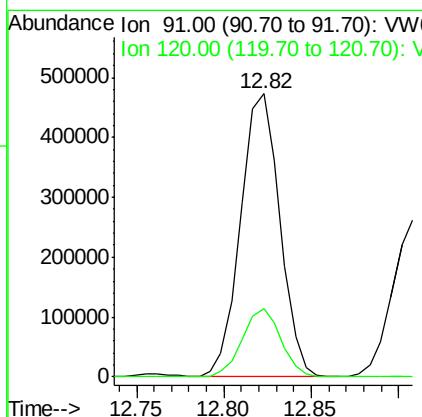
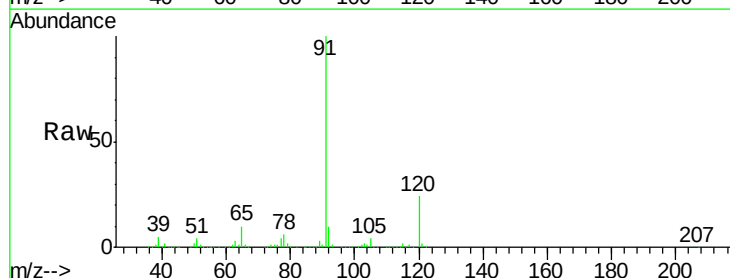
RT: 12.82 min Scan# 1843

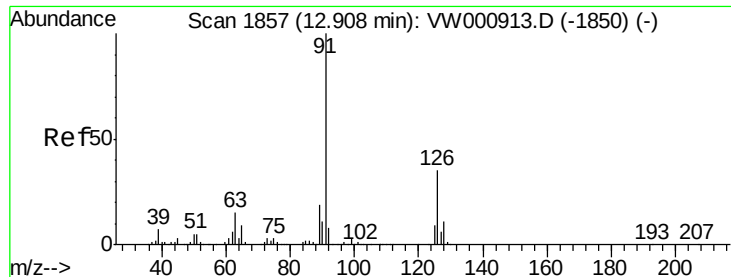
Delta R.T. -0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 739368 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.6  | 12.0  | 36.1   |





#79

2-Chlorotoluene

Concen: 53.01 ug/l

RT: 12.91 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 412356

Ion Ratio Lower Upper

91 100

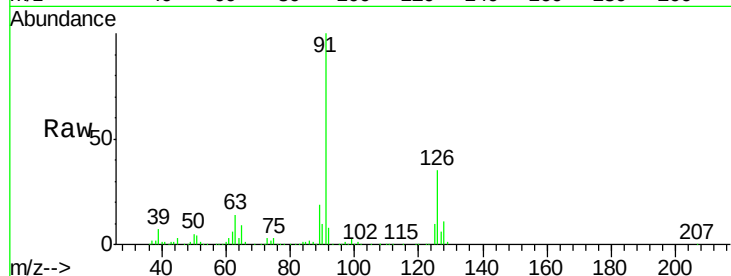
126 35.1 17.6 52.8

Manual Integrations

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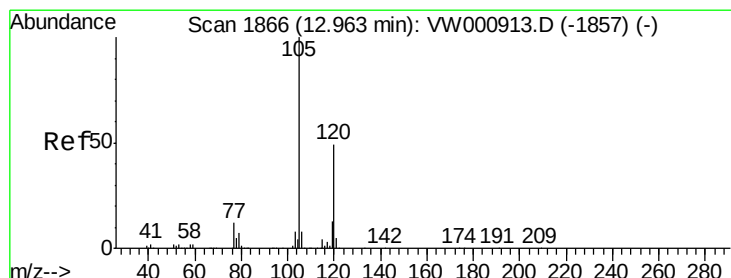
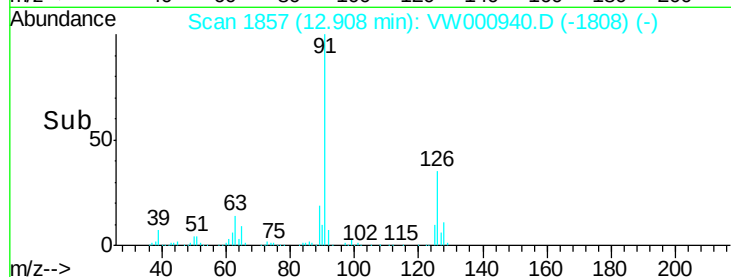
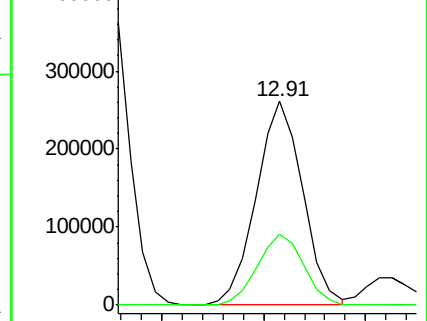
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 53.38 ug/l

RT: 12.96 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VW000940.D

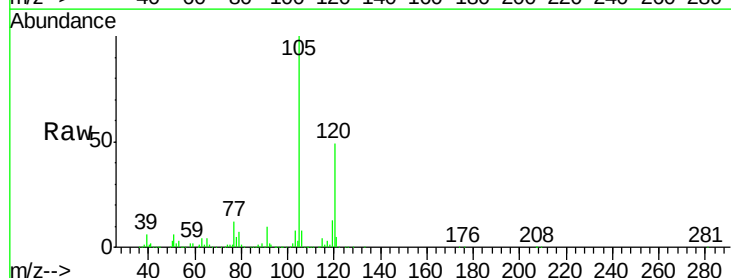
Acq: 24 Jan 2018 10:20

Tgt Ion:105 Resp: 519004

Ion Ratio Lower Upper

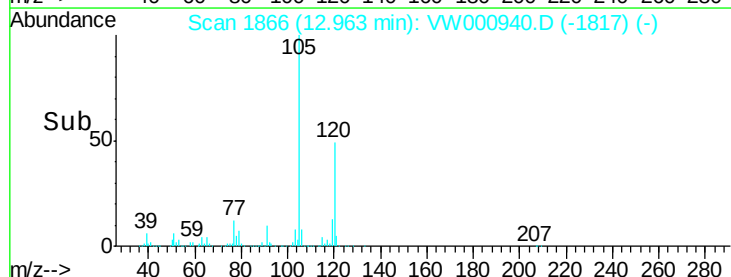
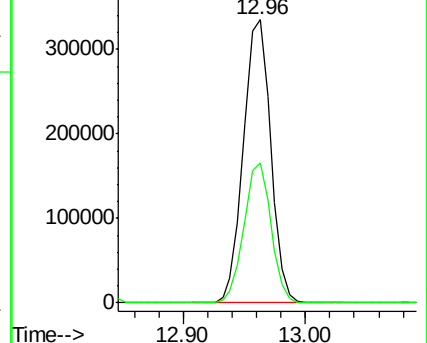
105 100

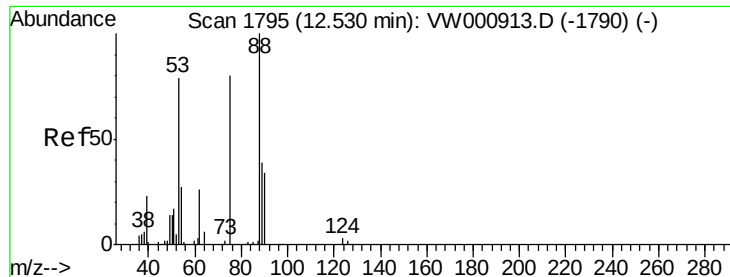
120 48.7 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





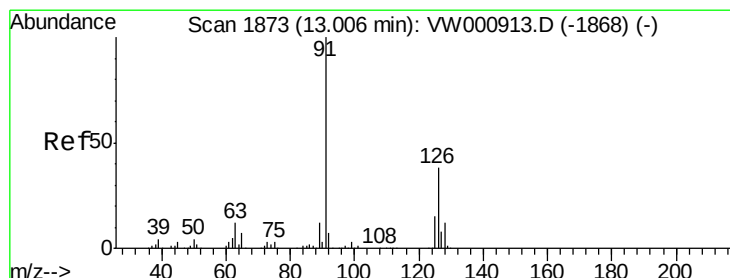
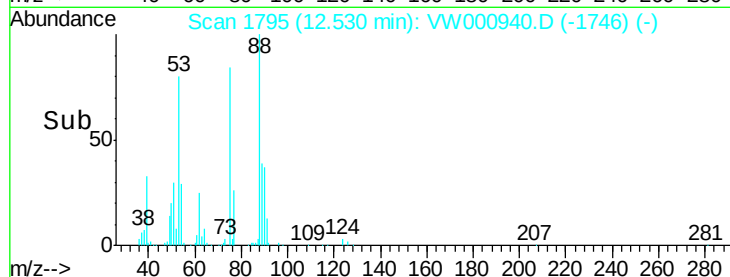
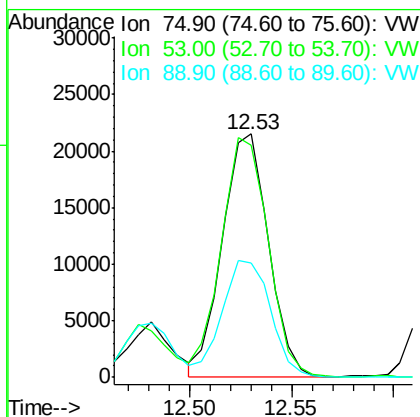
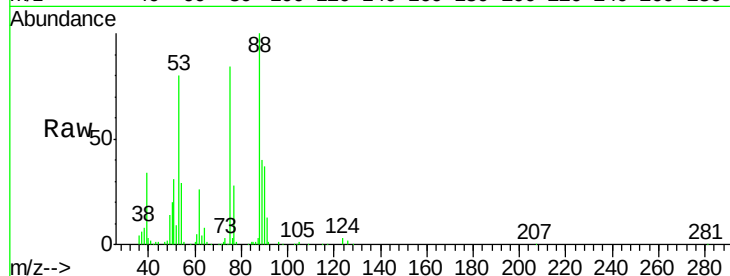
#81  
trans-1,4-Dichloro-2-butene  
Concen: 41.76 ug/l  
RT: 12.53 min Scan# 1795  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 101.2 | 77.5  | 116.3 |
| 89      | 51.3  | 38.2  | 57.4  |

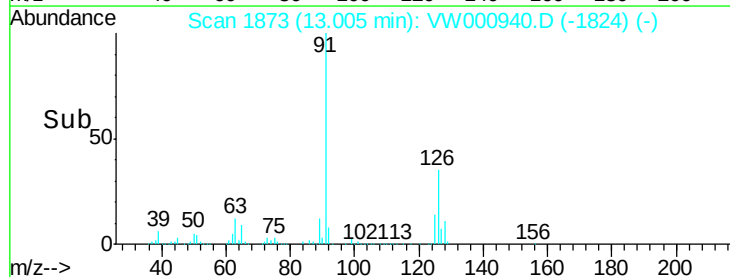
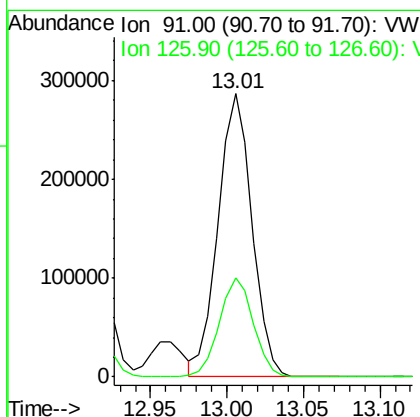
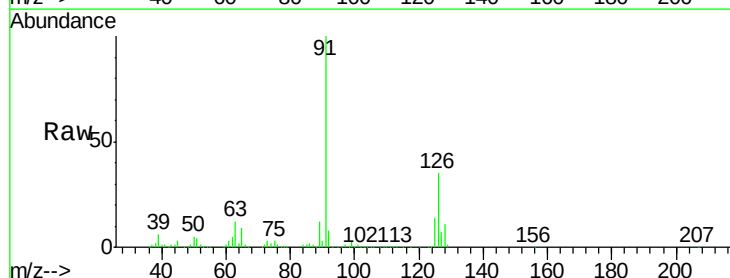
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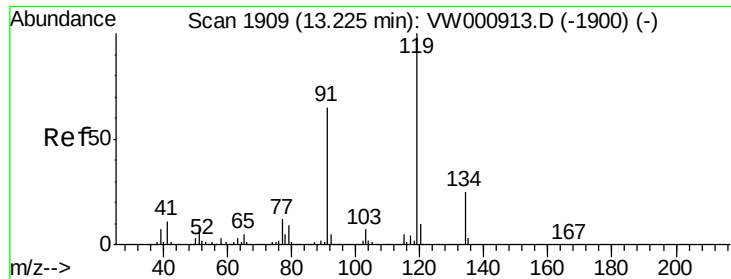
MMDadoda  
1/25/2018 1:33:53 PM



#82  
4-Chlorotoluene  
Concen: 53.16 ug/l  
RT: 13.01 min Scan# 1873  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.0  | 17.6  | 52.9  |





#83

tert-Butylbenzene

Concen: 52.99 ug/l

RT: 13.22 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VW000940.D

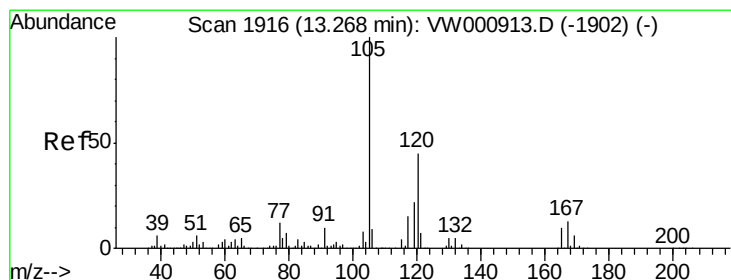
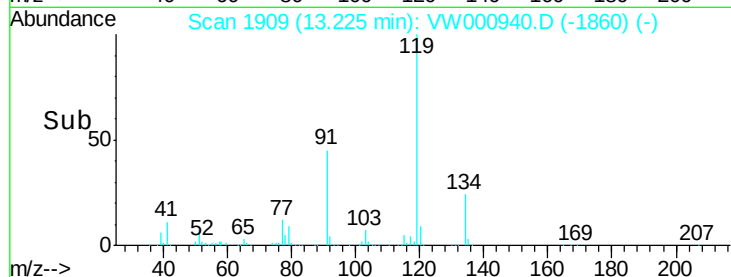
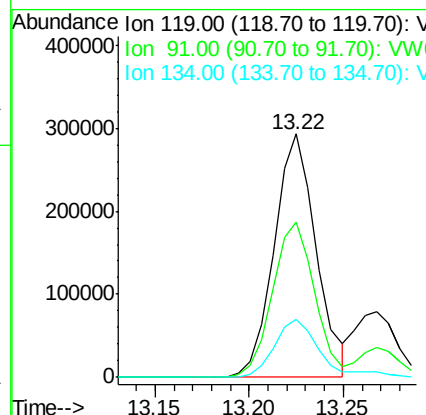
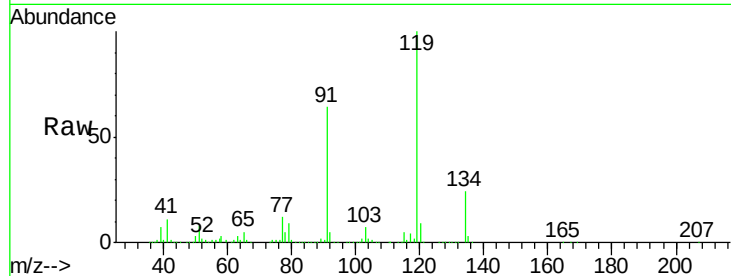
Acq: 24 Jan 2018 10:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 63.8  | 32.4  | 97.0  |
| 134     | 26.2  | 13.1  | 39.3  |

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#84

1,2,4-Trimethylbenzene

Concen: 54.20 ug/l

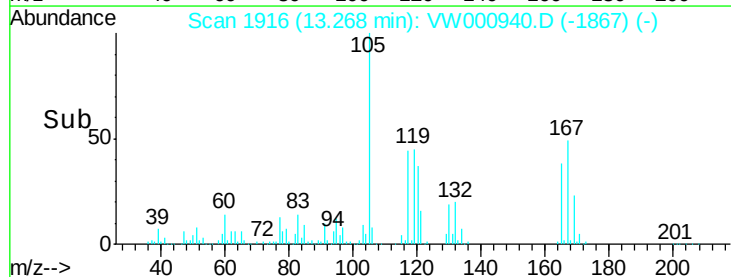
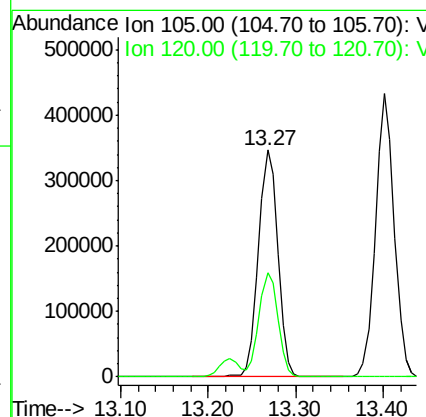
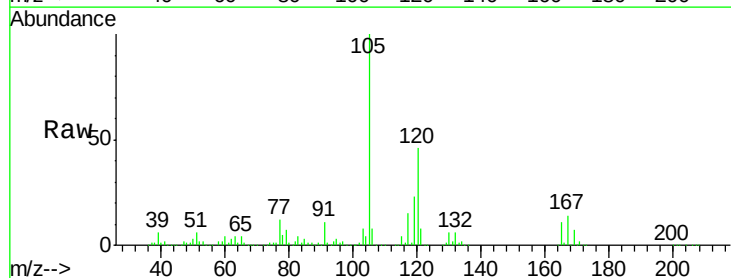
RT: 13.27 min Scan# 1916

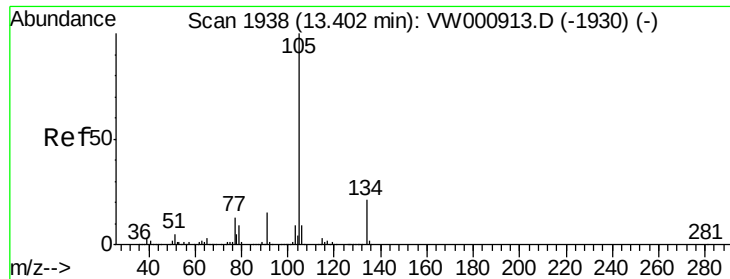
Delta R.T. -0.00 min

Lab File: VW000940.D

Acq: 24 Jan 2018 10:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.0  | 22.4  | 67.0  |





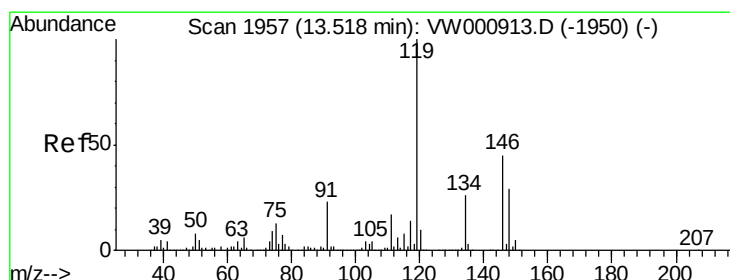
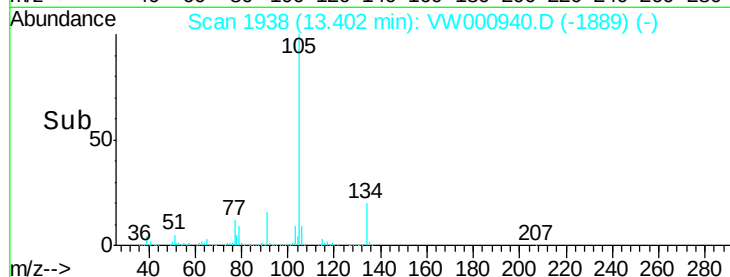
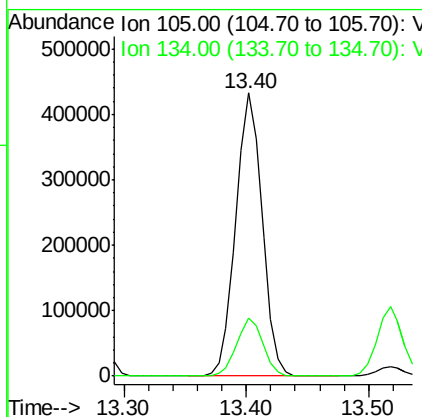
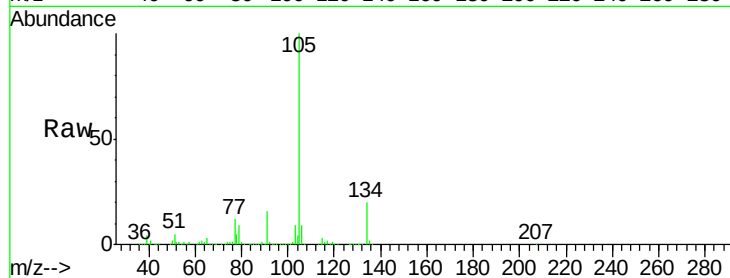
#85  
 sec-Butylbenzene  
 Concen: 52.32 ug/l  
 RT: 13.40 min Scan# 1938  
 Delta R.T. -0.00 min  
 Lab File: VW000940.D  
 Acq: 24 Jan 2018 10:20

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 20.4  | 10.3  | 30.9  |

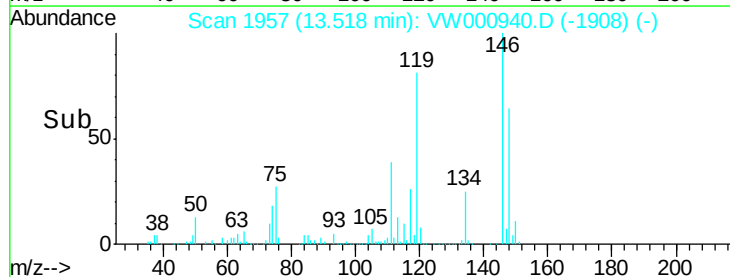
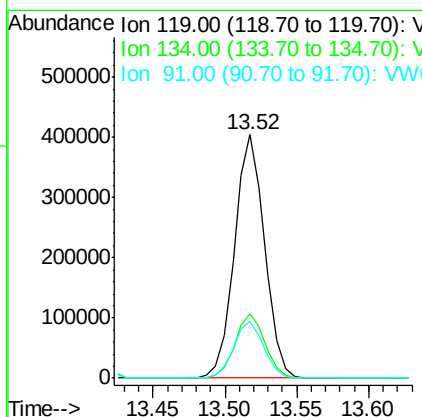
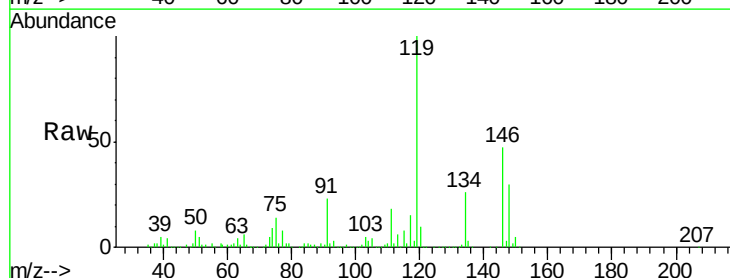
Manual Integrations  
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 1/25/2018 1:33:53 PM

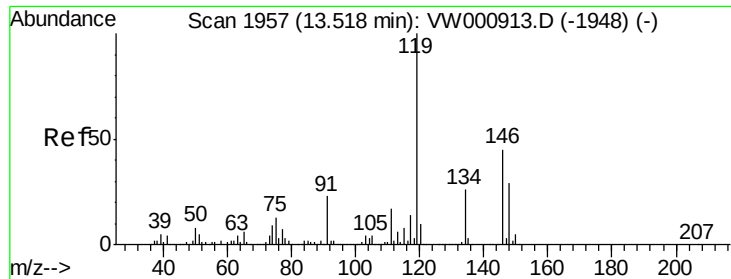


#86  
 p-Isopropyltoluene  
 Concen: 53.66 ug/l  
 RT: 13.52 min Scan# 1957  
 Delta R.T. -0.00 min  
 Lab File: VW000940.D  
 Acq: 24 Jan 2018 10:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.2  | 13.2  | 39.6  |
| 91      | 23.2  | 11.7  | 35.0  |







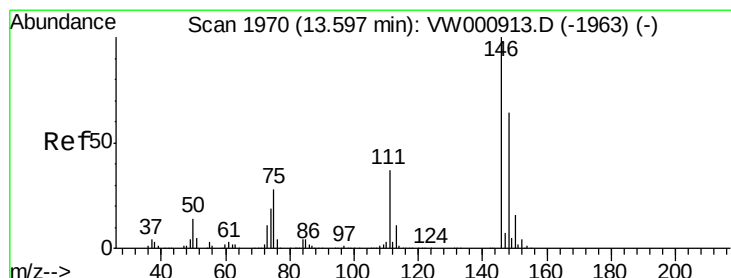
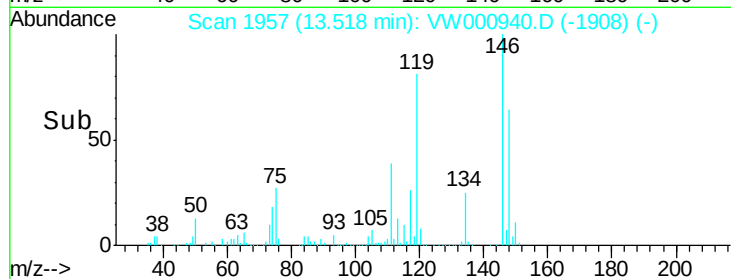
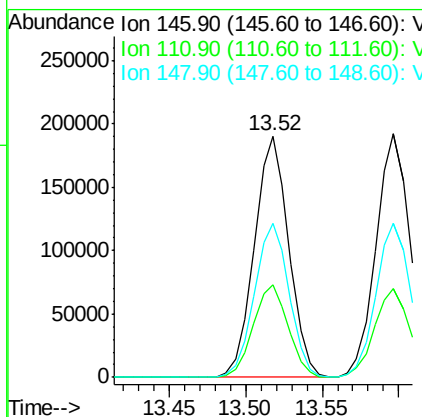
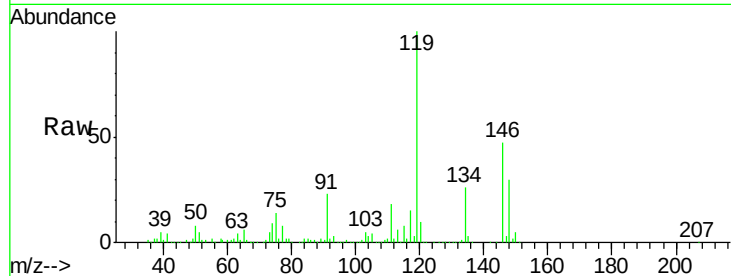
#87  
1,3-Dichlorobenzene  
Concen: 51.83 ug/l  
RT: 13.52 min Scan# 1957  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 298951 |       |       |
| 111     | 38.9  | 19.7   | 59.0  |       |
| 148     | 64.2  | 32.4   | 97.0  |       |

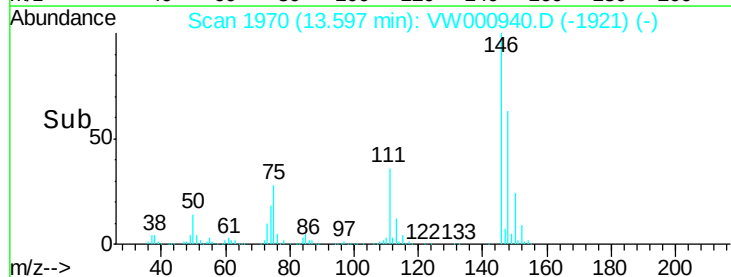
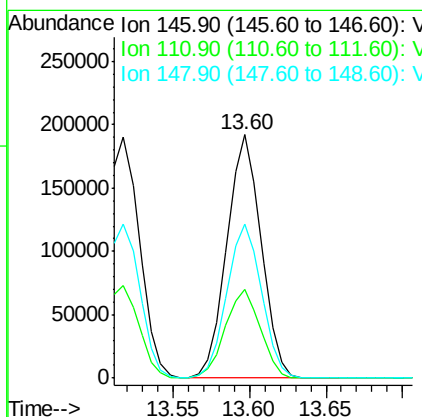
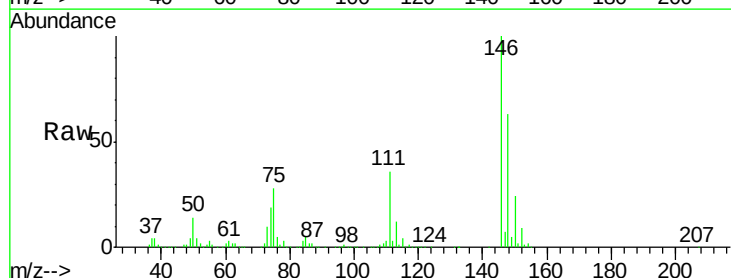
Manual Integrations  
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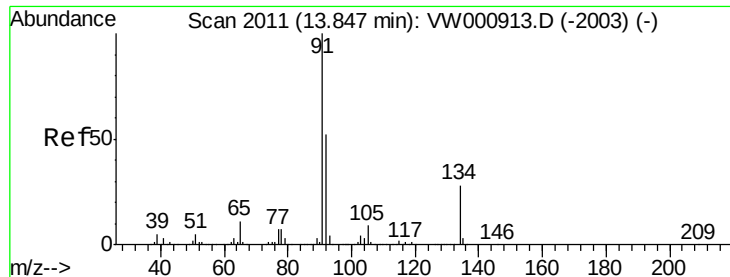
MMDadoda  
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#88  
1,4-Dichlorobenzene  
Concen: 51.77 ug/l  
RT: 13.60 min Scan# 1970  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 298563 |       |       |
| 111     | 37.3  | 19.0   | 57.0  |       |
| 148     | 64.2  | 32.4   | 97.2  |       |





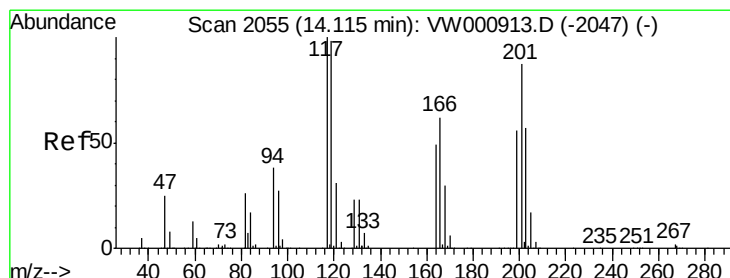
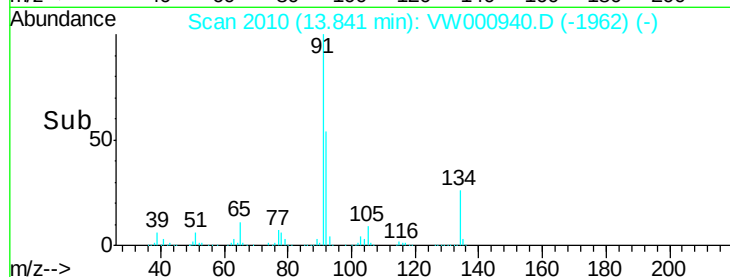
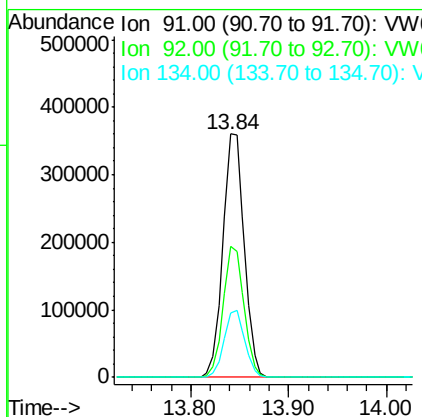
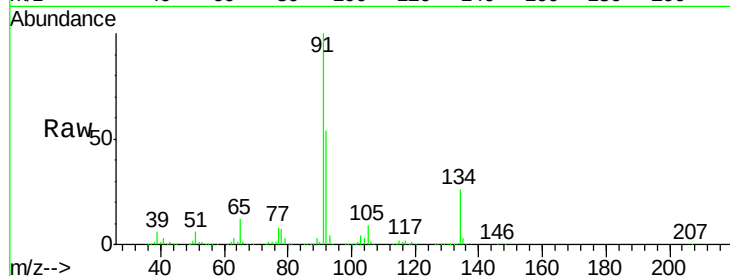
#89  
n-Butylbenzene  
Concen: 53.25 ug/l  
RT: 13.84 min Scan# 2010  
Delta R.T. -0.01 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.4  | 26.2  | 78.6  |
| 134     | 26.8  | 13.7  | 41.1  |

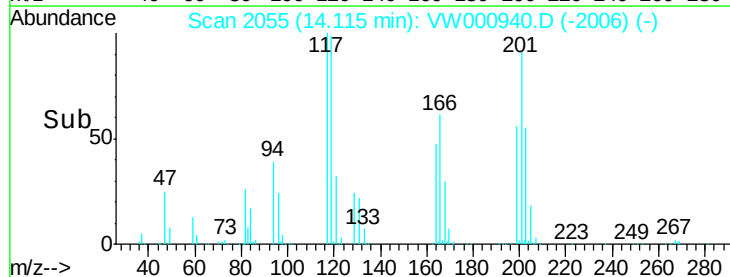
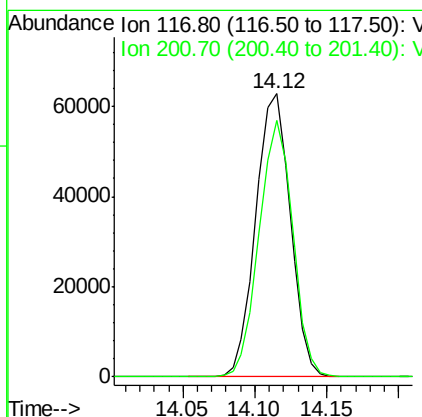
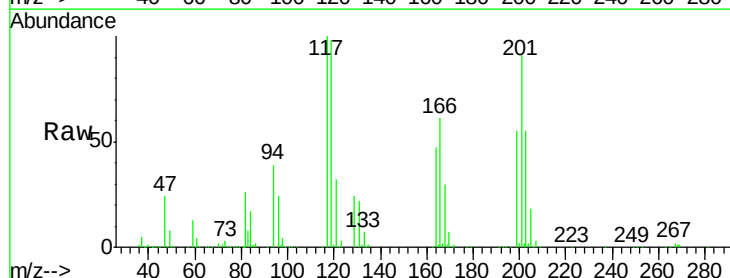
Manual Integrations  
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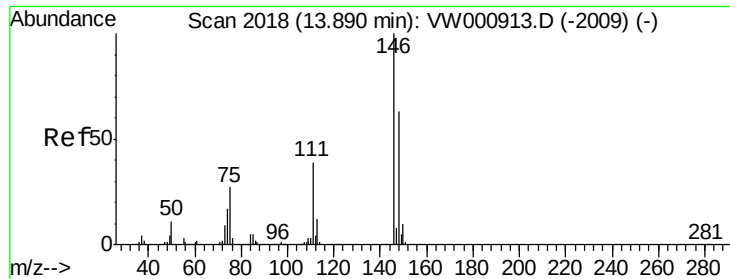
MMDadoda  
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#90  
Hexachloroethane  
Concen: 51.56 ug/l  
RT: 14.12 min Scan# 2055  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 88.1  | 42.8  | 128.3 |





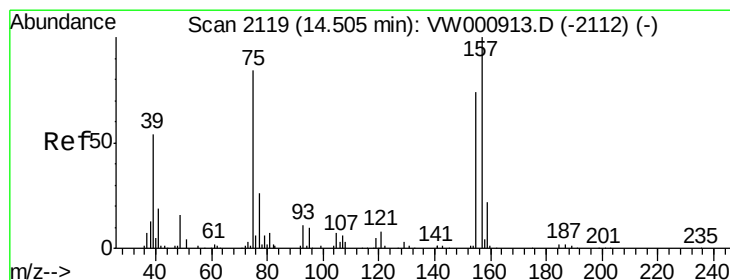
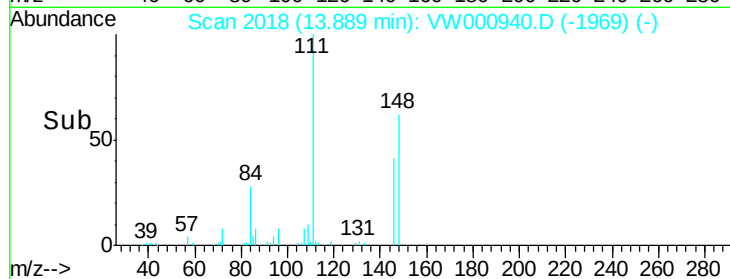
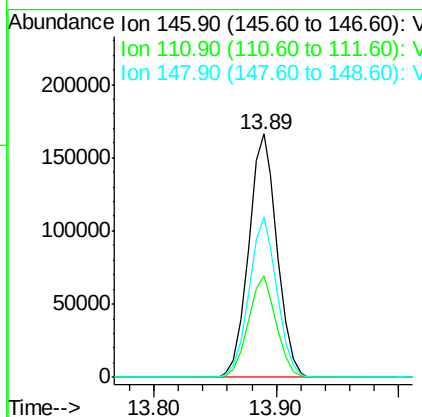
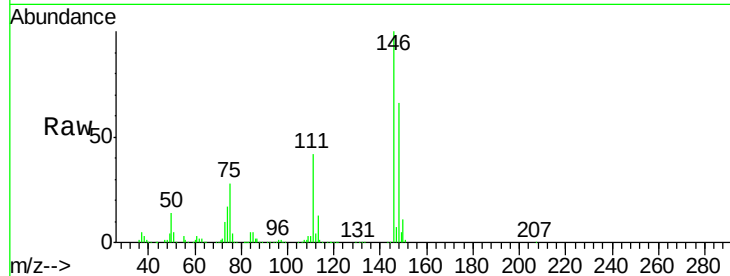
#91  
 1,2-Dichlorobenzene  
 Concen: 51.33 ug/l  
 RT: 13.89 min Scan# 2018  
 Delta R.T. -0.00 min  
 Lab File: VW000940.D  
 Acq: 24 Jan 2018 10:20

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.9  | 19.8  | 59.4  |
| 148     | 64.9  | 31.8  | 95.3  |

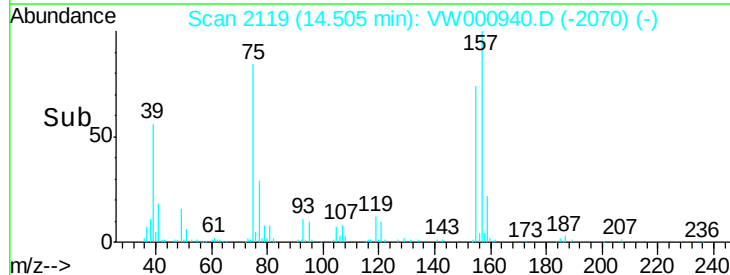
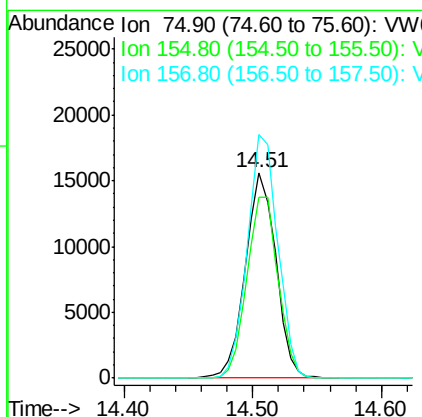
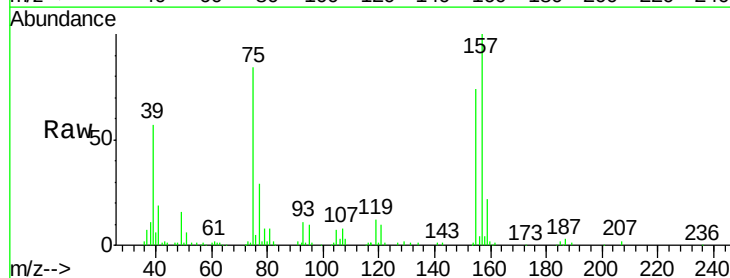
Manual Integrations  
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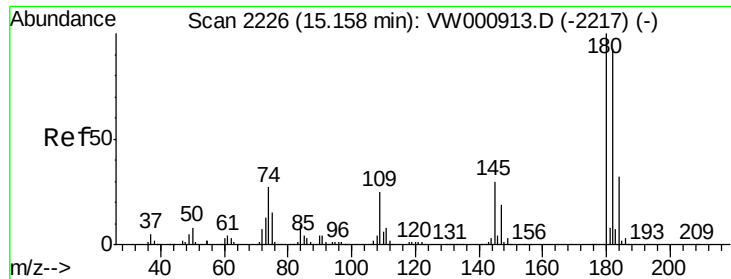
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 47.26 ug/l  
 RT: 14.51 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VW000940.D  
 Acq: 24 Jan 2018 10:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 90.0  | 45.9  | 137.6 |
| 157     | 118.1 | 59.8  | 179.3 |





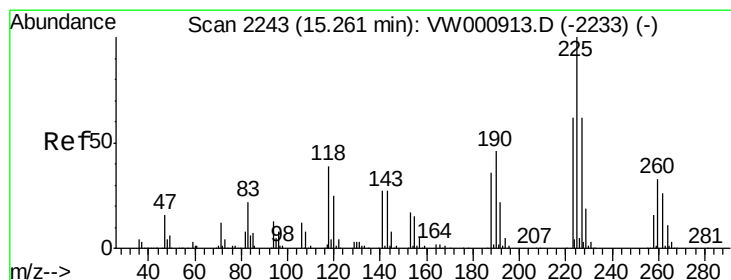
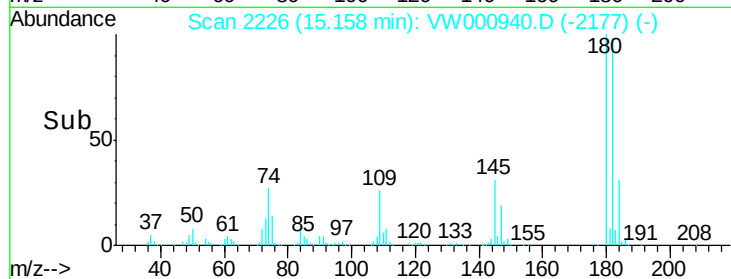
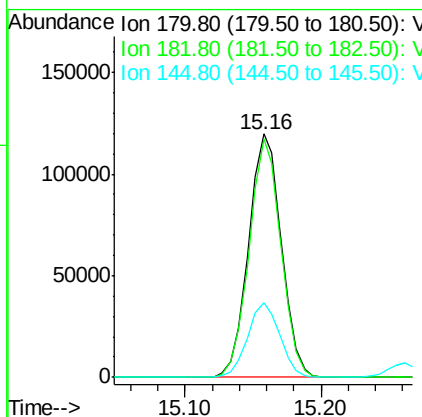
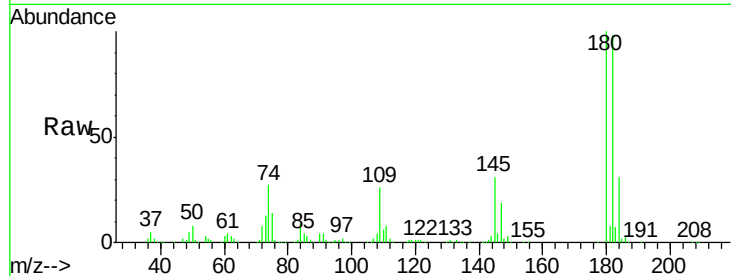
#93  
1,2,4-Trichlorobenzene  
Concen: 52.15 ug/l  
RT: 15.16 min Scan# 2226  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.3  | 47.5  | 142.6 |
| 145     | 30.3  | 14.9  | 44.7  |

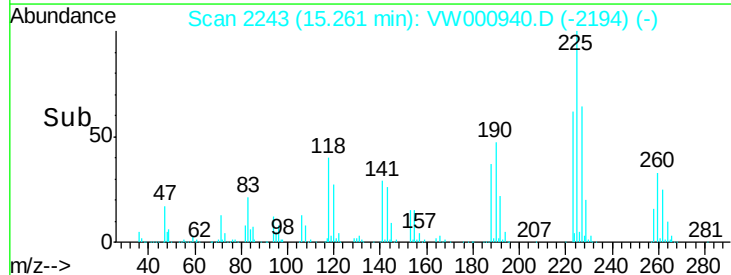
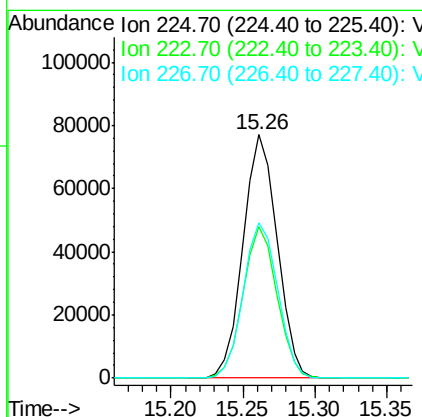
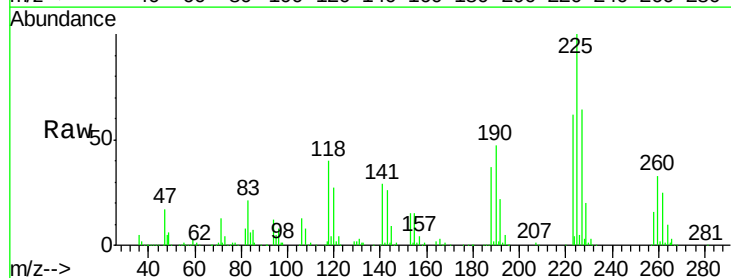
Manual Integrations  
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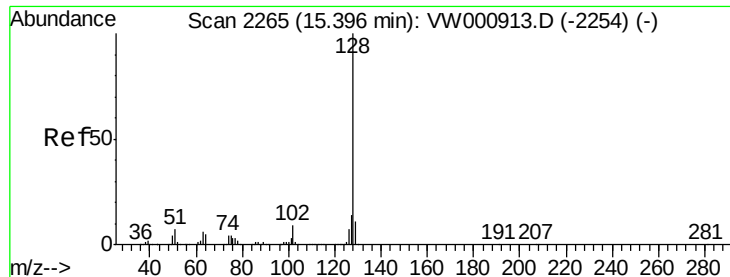
MMDadoda  
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#94  
Hexachlorobutadiene  
Concen: 51.50 ug/l  
RT: 15.26 min Scan# 2243  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.8  | 31.3  | 93.8  |
| 227     | 64.4  | 31.8  | 95.3  |





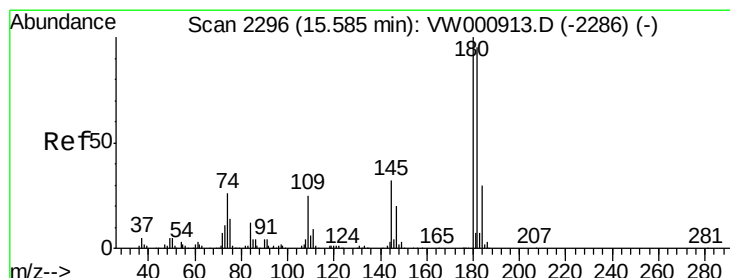
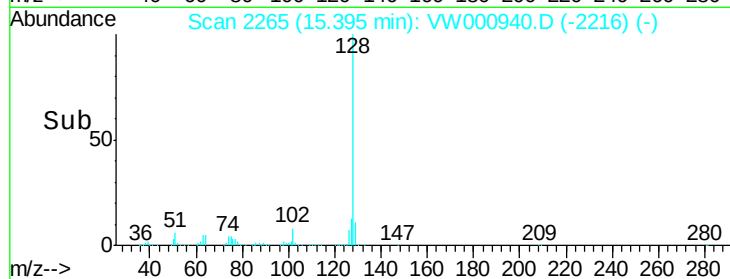
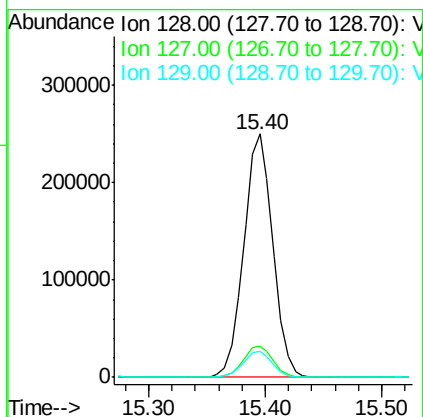
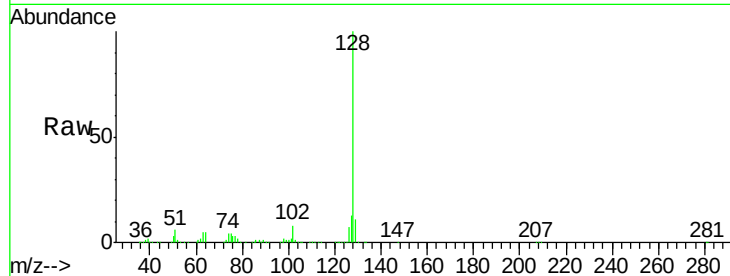
#95  
Naphthalene  
Concen: 52.87 ug/l  
RT: 15.40 min Scan# 2265  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.3  | 10.6  | 15.8  |
| 129     | 10.8  | 8.7   | 13.1  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 52.54 ug/l  
RT: 15.58 min Scan# 2296  
Delta R.T. -0.00 min  
Lab File: VW000940.D  
Acq: 24 Jan 2018 10:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.5  | 47.4  | 142.3 |
| 145     | 32.0  | 15.8  | 47.3  |

