

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070919\  
 Data File : VW011182.D  
 Acq On : 09 Jul 2019 17:00  
 Operator : SY/VA  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 7/10/2019 10:47:22 AM

Quant Time: Jul 10 05:43:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W070819S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 09 07:16:01 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 216900   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 352827   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 316711   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 154055   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.30   | 65  | 133713   | 49.06 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.12%  |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 104783   | 49.83 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.66%  |      |
| 50) Toluene-d8            | 10.32  | 98  | 426352   | 50.16 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.32% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 155522   | 49.91 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.82%  |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 66674   | 41.217  | ug/l | 98     |
| 3) Chloromethane              | 2.21 | 50  | 89924   | 43.141  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.36 | 62  | 119771  | 43.900  | ug/l | 97     |
| 5) Bromomethane               | 2.77 | 94  | 61709   | 45.013  | ug/l | 94     |
| 6) Chloroethane               | 2.92 | 64  | 66020   | 44.927  | ug/l | 94     |
| 7) Trichlorofluoromethane     | 3.24 | 101 | 40294   | 41.574  | ug/l | 100    |
| 8) Diethyl Ether              | 3.68 | 74  | 60196   | 44.888  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.05 | 101 | 104677  | 45.090  | ug/l | 100    |
| 10) Methyl Iodide             | 4.27 | 142 | 145683  | 45.626  | ug/l | 99     |
| 11) Tert butyl alcohol        | 5.17 | 59  | 44622   | 221.140 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 4.04 | 96  | 109701  | 45.528  | ug/l | 97     |
| 13) Acrolein                  | 3.89 | 56  | 51585   | 321.047 | ug/l | 98     |
| 14) Allyl chloride            | 4.66 | 41  | 191137  | 43.501  | ug/l | 99     |
| 15) Acrylonitrile             | 5.36 | 53  | 155816  | 228.142 | ug/l | 99     |
| 16) Acetone                   | 4.12 | 43  | 160210  | 244.308 | ug/l | 98     |
| 17) Carbon Disulfide          | 4.38 | 76  | 321604  | 44.025  | ug/l | 99     |
| 18) Methyl Acetate            | 4.67 | 43  | 80170   | 42.786  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 5.42 | 73  | 166999  | 45.677  | ug/l | 99     |
| 20) Methylene Chloride        | 4.92 | 84  | 120282  | 46.495  | ug/l | 92     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 113283  | 45.246  | ug/l | 96     |
| 22) Diisopropyl ether         | 6.31 | 45  | 437931  | 46.340  | ug/l | 99     |
| 23) Vinyl Acetate             | 6.25 | 43  | 1420196 | 242.826 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 222501  | 44.836  | ug/l | 99     |
| 25) 2-Butanone                | 7.16 | 43  | 242022  | 235.113 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 7.16 | 77  | 113180  | 43.875  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 7.16 | 96  | 122839  | 45.482  | ug/l | 100    |
| 28) Bromochloromethane        | 7.51 | 49  | 113830  | 50.446  | ug/l | 100    |
| 29) Tetrahydrofuran           | 7.52 | 42  | 155718  | 230.701 | ug/l | 99     |
| 30) Chloroform                | 7.67 | 83  | 206007  | 44.825  | ug/l | 100    |
| 31) Cyclohexane               | 7.95 | 56  | 225116  | 42.640  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 157027  | 44.916  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 171001  | 45.512  | ug/l | 100    |
| 37) Ethyl Acetate             | 7.25 | 43  | 104299  | 46.202  | ug/l | 100    |
| 38) Carbon Tetrachloride      | 8.06 | 117 | 144588  | 45.395  | ug/l | 96     |

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 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
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MMDadoda  
 7/10/2019 10:47:22 AM

Quant Time: Jul 10 05:43:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W070819S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 09 07:16:01 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 210519   | 46.227  | ug/l   | 99       |
| 40) Benzene                    | 8.32  | 78   | 474922   | 45.737  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.48  | 41   | 64142    | 49.679  | ug/l   | 92       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 156414   | 46.436  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.42  | 43   | 200029   | 46.932  | ug/l   | 100      |
| 44) Trichloroethene            | 9.09  | 130  | 114355   | 45.765  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 130073   | 46.259  | ug/l   | 98       |
| 46) Dibromomethane             | 9.46  | 93   | 60993    | 46.176  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.64  | 83   | 156378   | 46.270  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.43  | 41   | 98457    | 48.017  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.44  | 88   | 20770    | 942.051 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 534948   | 240.275 | ug/l   | 100      |
| 52) Toluene                    | 10.38 | 92   | 292786   | 46.482  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 165622   | 46.039  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 196974   | 46.518  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 88027    | 46.976  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 137905   | 48.338  | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 165934   | 46.828  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 360697   | 272.716 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.97 | 43   | 375172   | 242.986 | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.13 | 129  | 96419    | 46.923  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 83570    | 47.082  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.86 | 164  | 94858    | 44.386  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.66 | 112  | 293776   | 45.624  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 103545   | 45.671  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.73 | 91   | 568186   | 46.094  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.84 | 106  | 412132   | 92.399  | ug/l   | 100      |
| 69) o-Xylene                   | 12.16 | 106  | 193833   | 46.108  | ug/l   | 100      |
| 70) Styrene                    | 12.18 | 104  | 339700   | 46.821  | ug/l   | 99       |
| 71) Bromoform                  | 12.35 | 173  | 53631    | 44.491  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.46 | 105  | 533695   | 46.343  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.27 | 43   | 190631   | 47.529  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 109870   | 46.542  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 78497m   | 44.092  | ug/l   |          |
| 77) Bromobenzene               | 12.75 | 156  | 118992   | 46.042  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.80 | 91   | 659474   | 46.487  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 376101   | 46.071  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 455011   | 46.507  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 34591    | 43.947  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 392199   | 46.126  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 377499   | 46.265  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 461616   | 46.989  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.38 | 105  | 543141   | 46.132  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 496322   | 47.000  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 233586   | 46.976  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 230838   | 46.102  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.82 | 91   | 502405   | 47.692  | ug/l   | 100      |
| 90) Hexachloroethane           | 14.10 | 117  | 87908    | 45.555  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 210160   | 46.587  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 19013    | 45.407  | ug/l   | 97       |

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Operator : SY/VA  
Sample : VSTDCCC050  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

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Quant Title : SW846 8260  
QLast Update : Tue Jul 09 07:16:01 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 151522   | 48.766 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 89802    | 47.077 | ug/l  | 100      |
| 95) Naphthalene            | 15.37 | 128  | 295932   | 49.702 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.56 | 180  | 133950   | 48.848 | ug/l  | 99       |

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

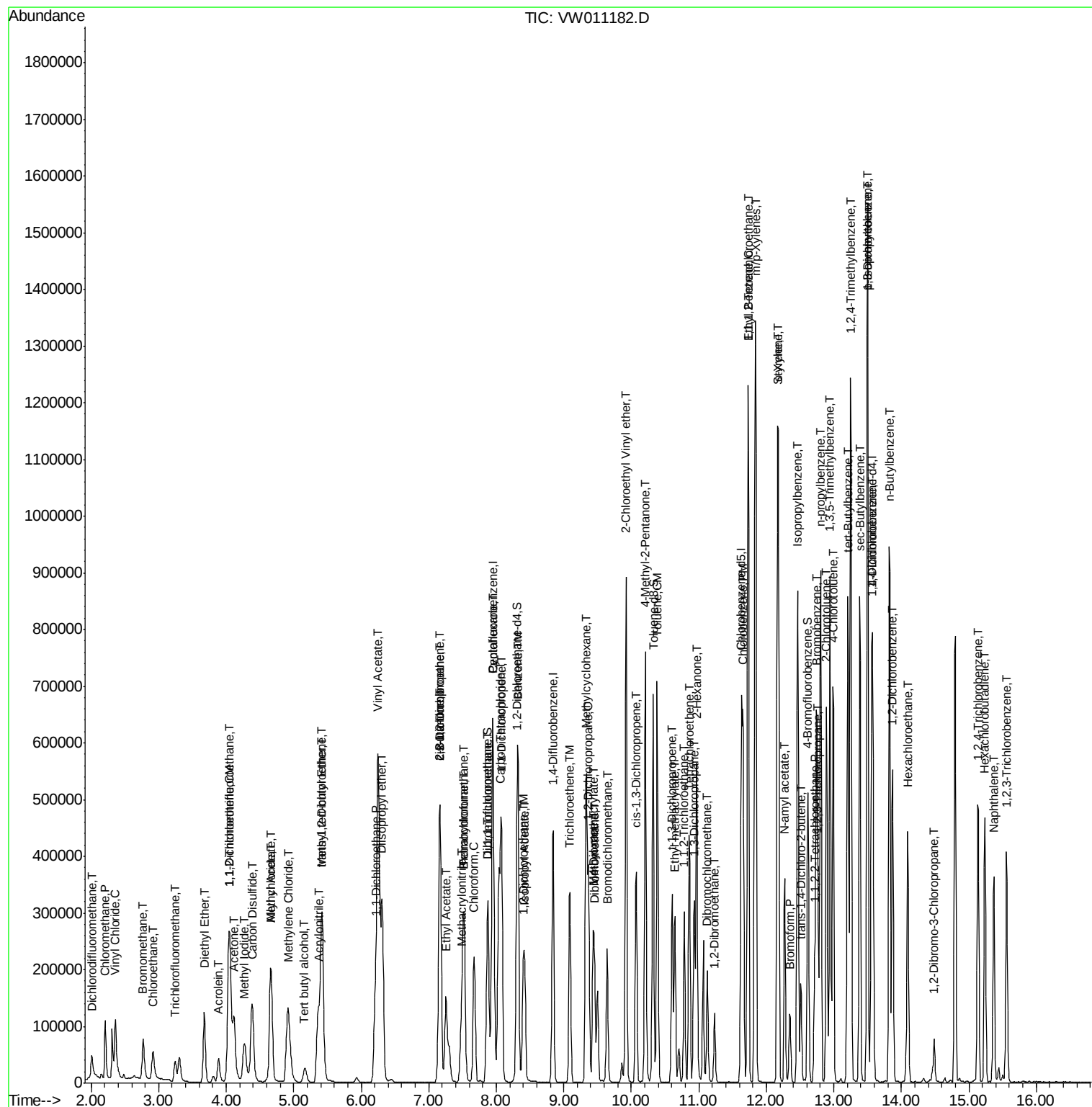
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Data File : VW011182.D  
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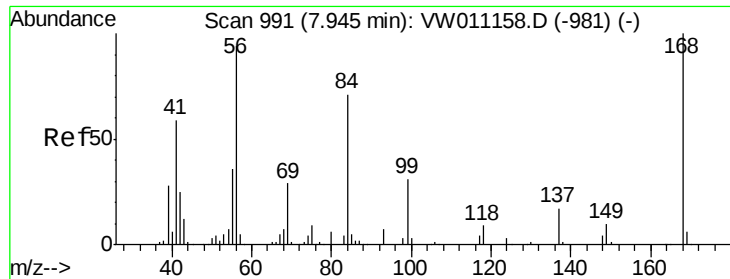
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

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Quant Title : SW846 8260  
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 216900

Ion Ratio Lower Upper

168 100

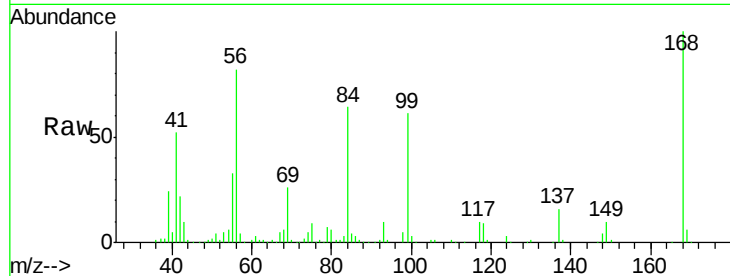
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Manual Integrations

APPROVED

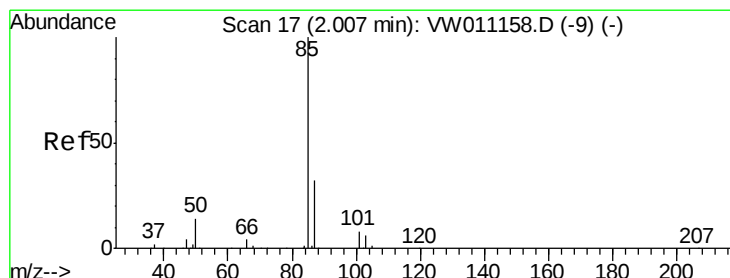
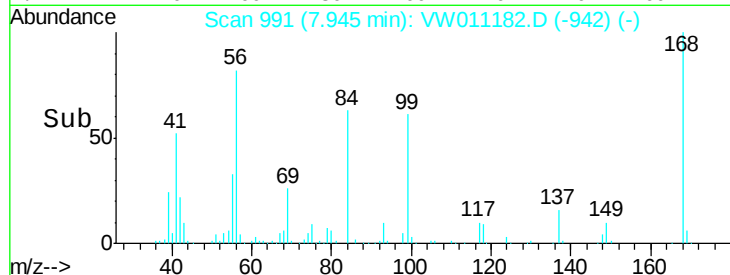
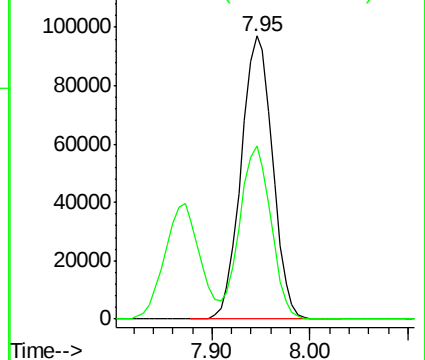
MMDadoda

7/10/2019 10:47:22 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 41.217 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011182.D

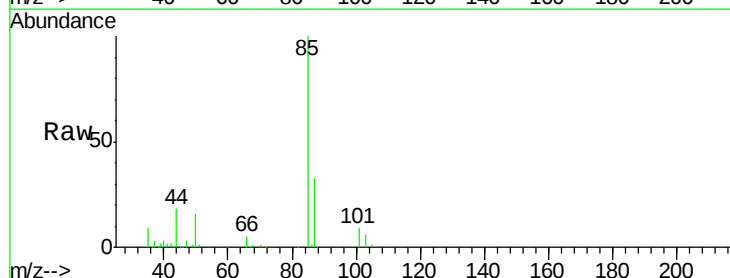
Acq: 09 Jul 2019 17:00

Tgt Ion: 85 Resp: 66674

Ion Ratio Lower Upper

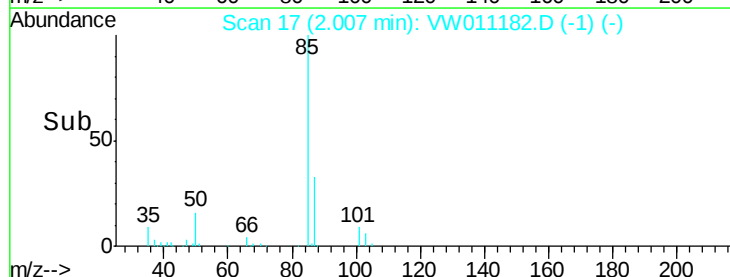
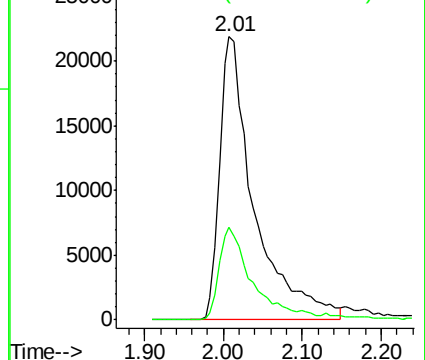
85 100

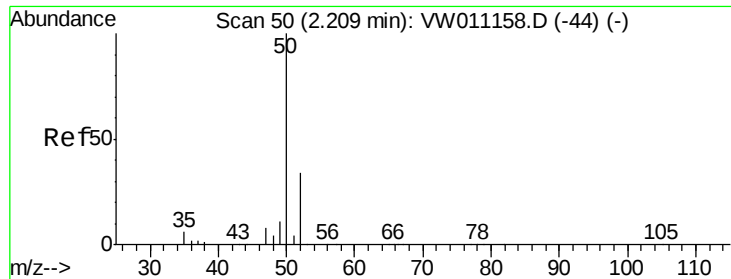
87 32.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 43.141 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 89924

Ion Ratio Lower Upper

50 100

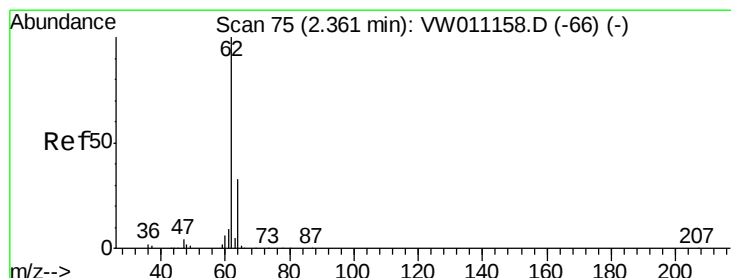
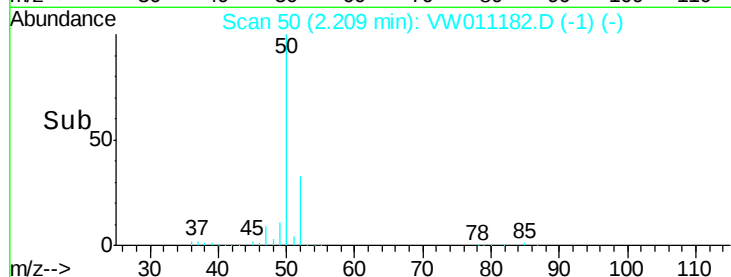
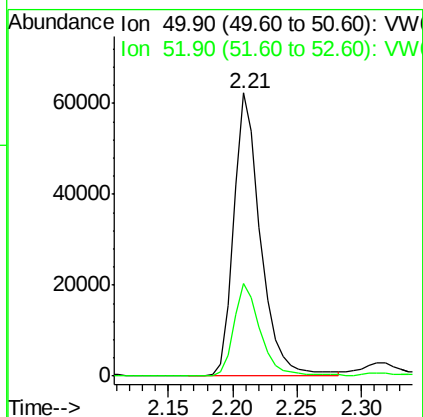
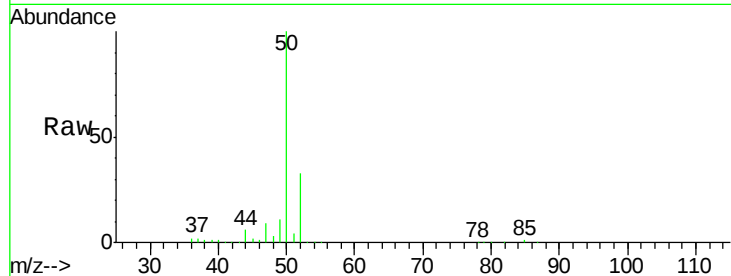
52 32.8 26.9 40.3

Manual Integrations

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7/10/2019 10:47:22 AM



#4

Vinyl Chloride

Concen: 43.900 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011182.D

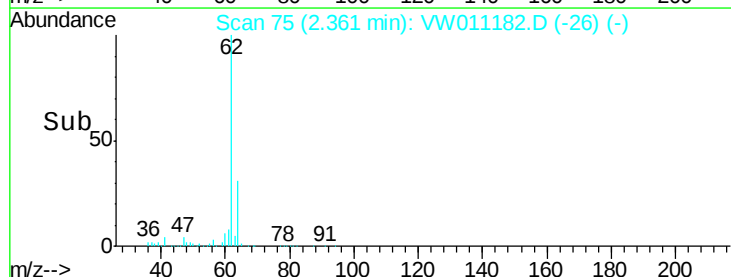
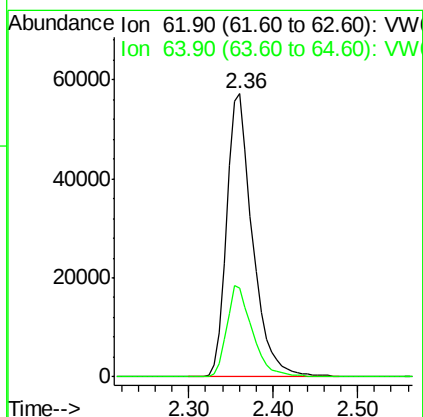
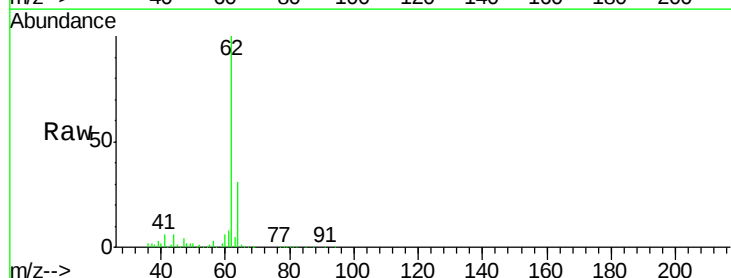
Acq: 09 Jul 2019 17:00

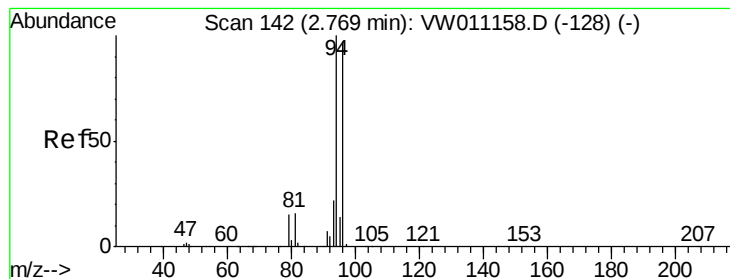
Tgt Ion: 62 Resp: 119771

Ion Ratio Lower Upper

62 100

64 31.4 26.6 40.0





#5

Bromomethane

Concen: 45.013 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 61709

Ion Ratio Lower Upper

94 100

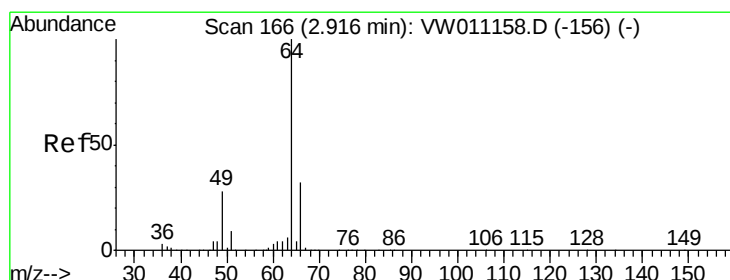
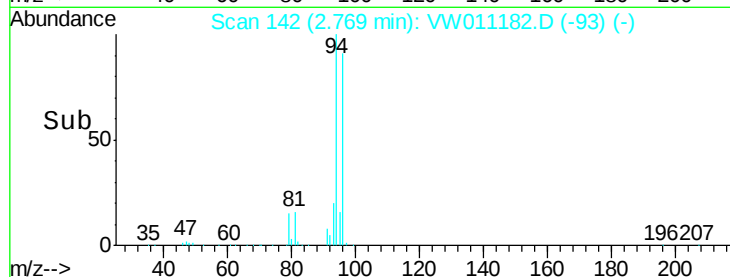
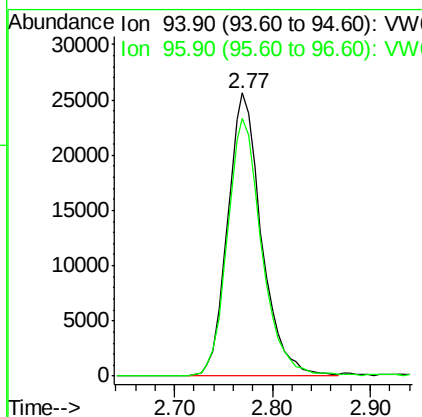
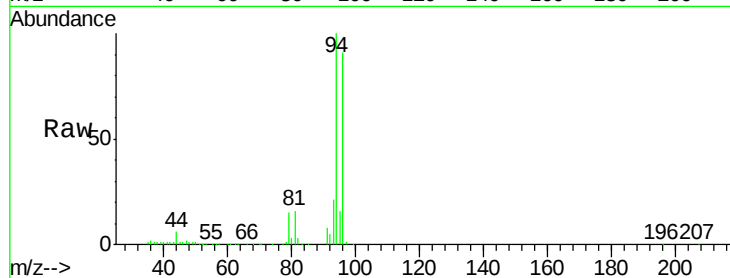
96 90.9 77.4 116.0

Manual Integrations

APPROVED

MMDadoda

7/10/2019 10:47:22 AM



#6

Chloroethane

Concen: 44.927 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011182.D

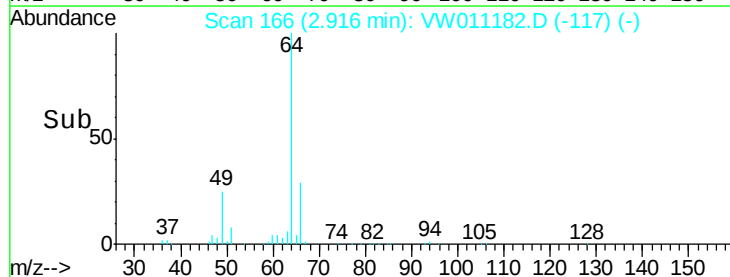
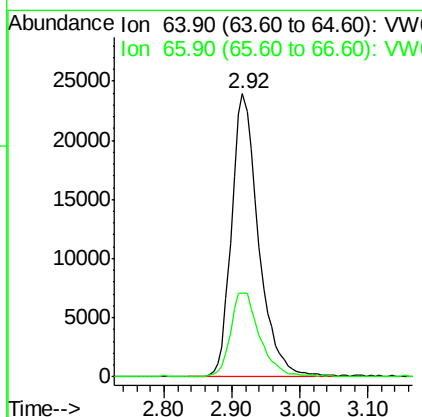
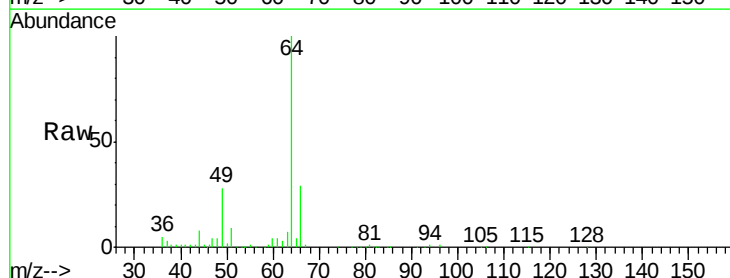
Acq: 09 Jul 2019 17:00

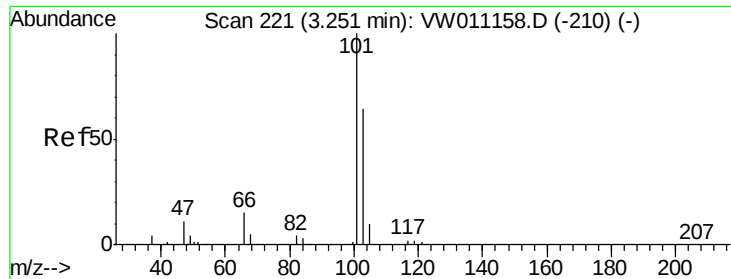
Tgt Ion: 64 Resp: 66020

Ion Ratio Lower Upper

64 100

66 29.1 25.8 38.8





#7

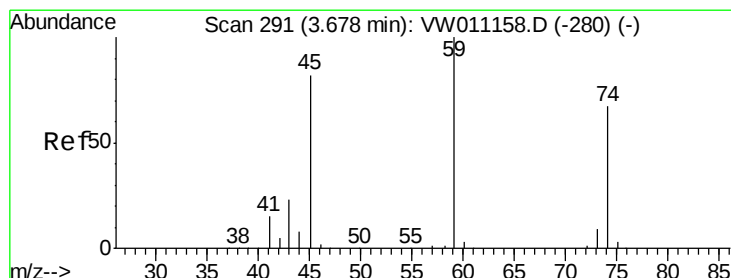
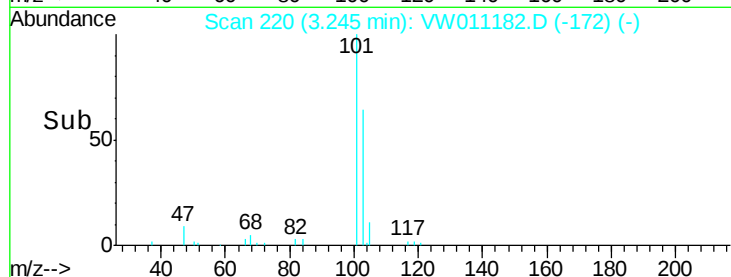
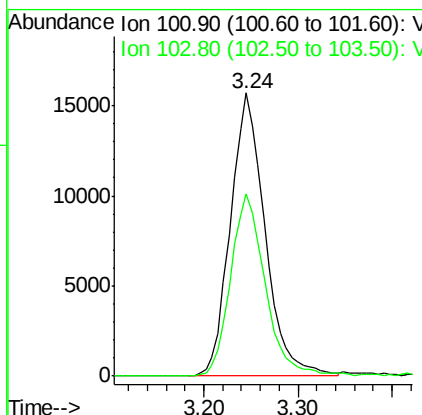
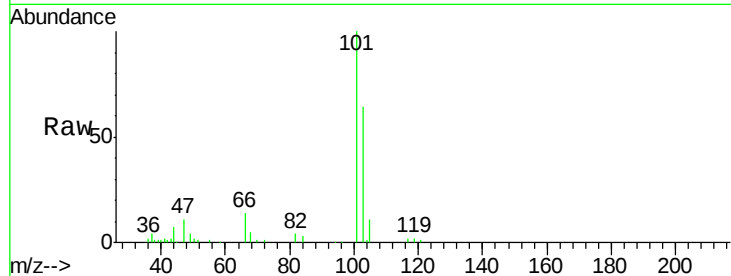
Trichlorofluoromethane  
 Concen: 41.574 ug/l  
 RT: 3.24 min Scan# 220  
 Delta R.T. -0.01 min  
 Lab File: VW011182.D  
 Acq: 09 Jul 2019 17:00

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.3  | 51.3  | 76.9  |

Manual Integrations  
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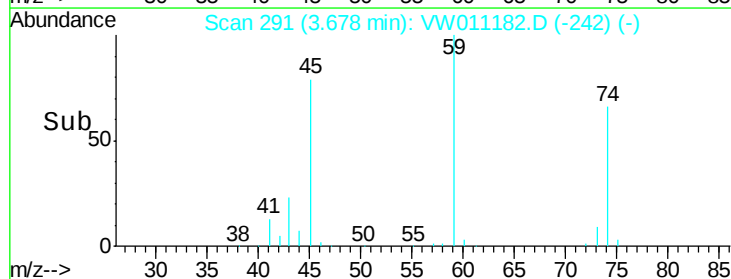
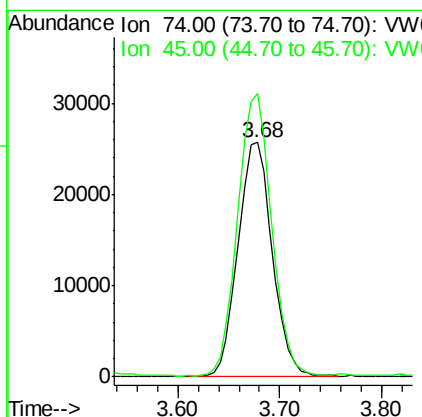
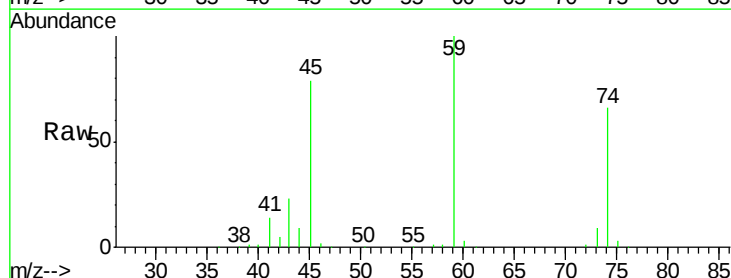
MMDadoda  
 7/10/2019 10:47:22 AM



#8

Diethyl Ether  
 Concen: 44.888 ug/l  
 RT: 3.68 min Scan# 291  
 Delta R.T. -0.00 min  
 Lab File: VW011182.D  
 Acq: 09 Jul 2019 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 119.1 | 59.9  | 179.7 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.090 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

Instrument :

MSVOA\_W

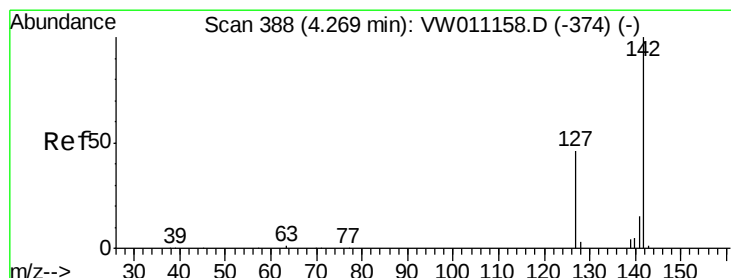
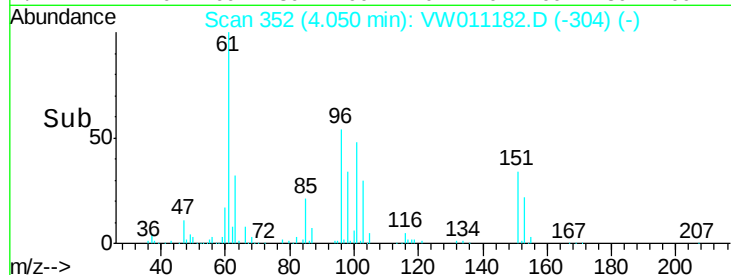
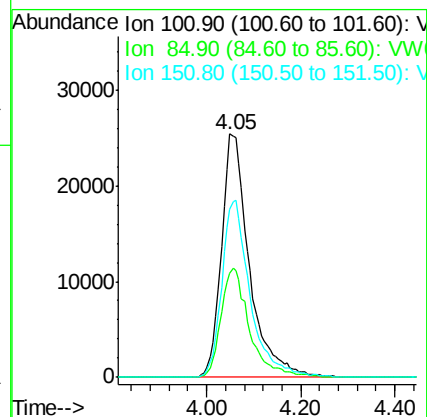
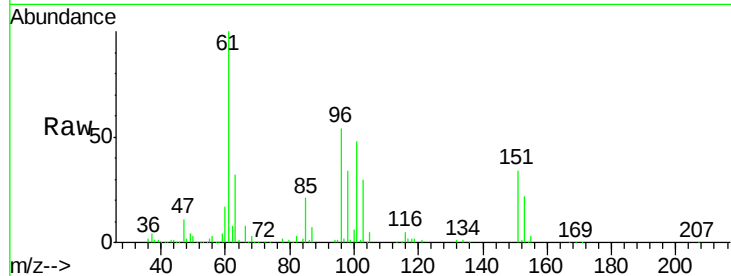
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 104677 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 45.8  | 36.5  | 54.7   |
| 151       | 73.7  | 59.1  | 88.7   |

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#10

Methyl Iodide

Concen: 45.626 ug/l

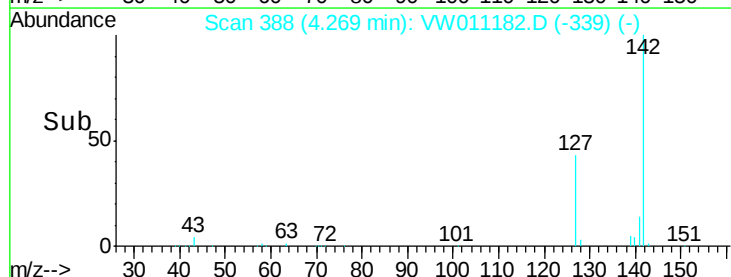
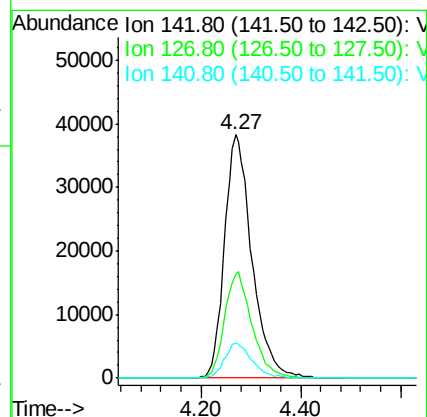
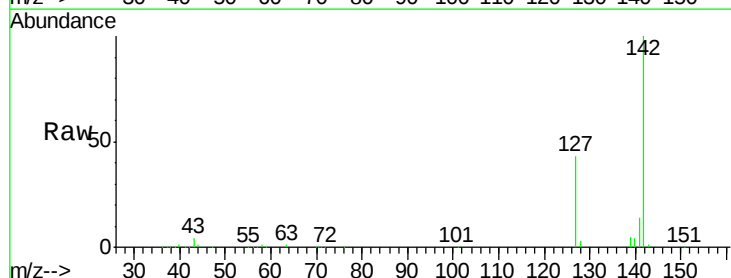
RT: 4.27 min Scan# 388

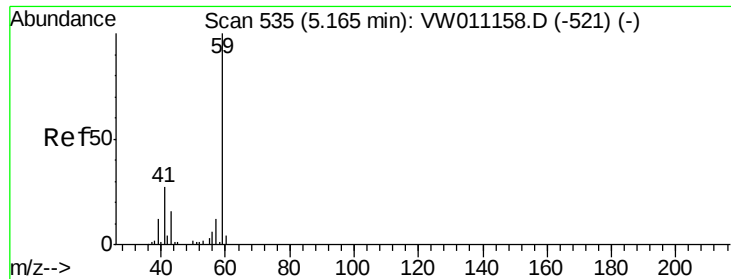
Delta R.T. -0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 145683 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 43.6  | 35.7  | 53.5   |
| 141       | 14.4  | 11.5  | 17.3   |





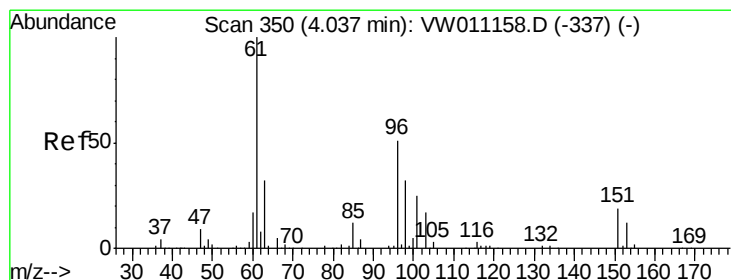
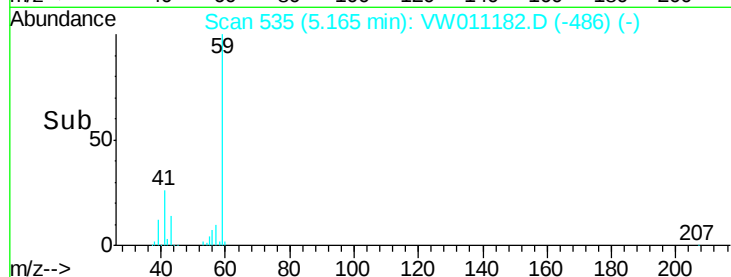
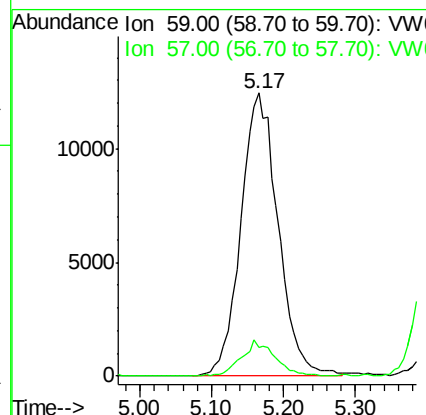
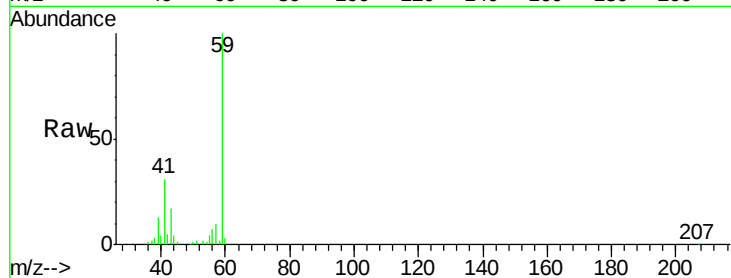
#11  
Tert butyl alcohol  
Concen: 221.140 ug/l  
RT: 5.17 min Scan# 535  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 11.5  | 9.0   | 13.6  |

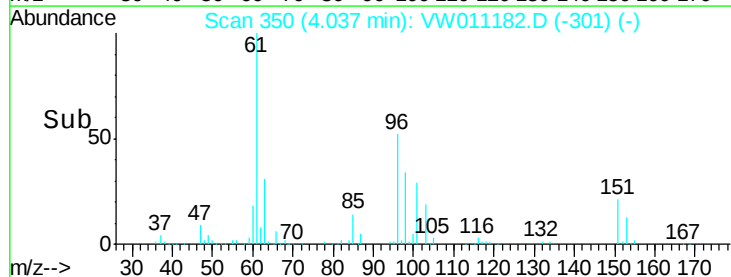
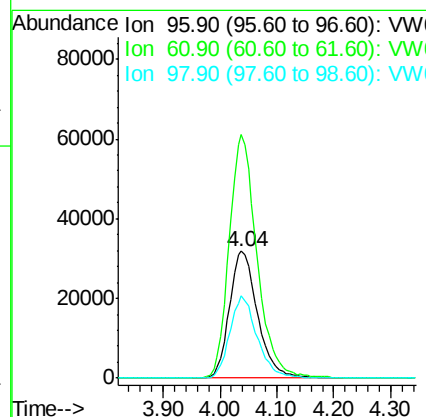
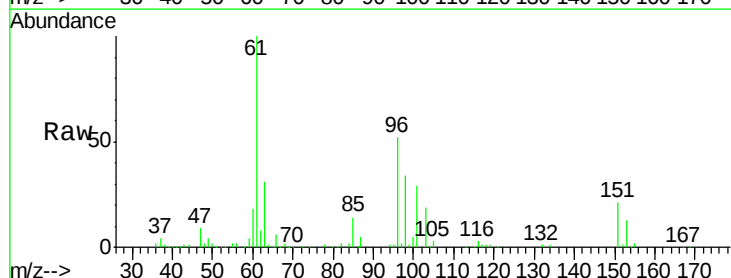
Manual Integrations  
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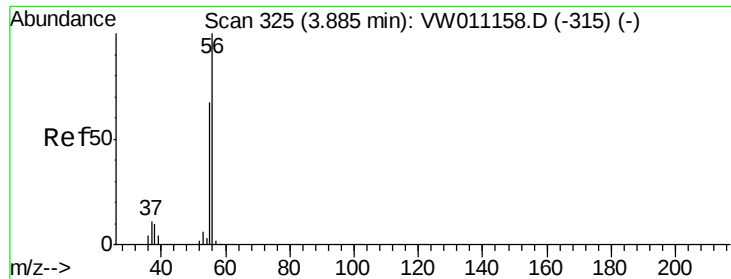
MMDadoda  
7/10/2019 10:47:22 AM



#12  
1,1-Dichloroethene  
Concen: 45.528 ug/l  
RT: 4.04 min Scan# 350  
Delta R.T. 0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 192.1 | 157.7 | 236.5 |
| 98      | 64.7  | 50.9  | 76.3  |





#13

Acrolein

Concen: 321.047 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 51585

Ion Ratio Lower Upper

56 100

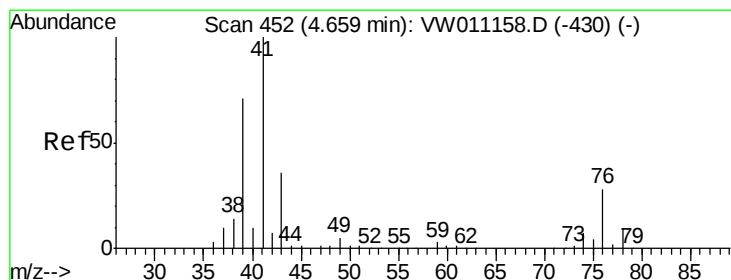
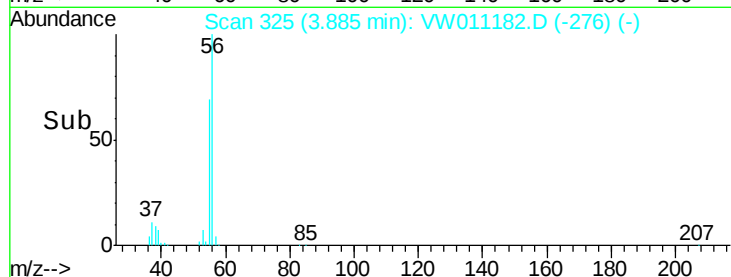
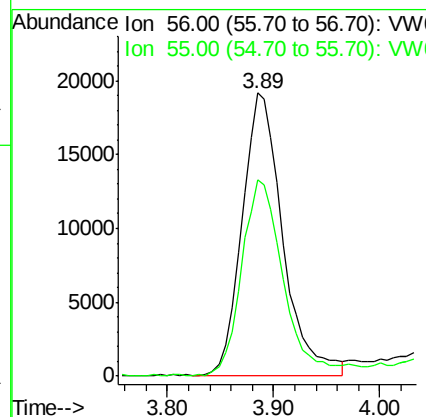
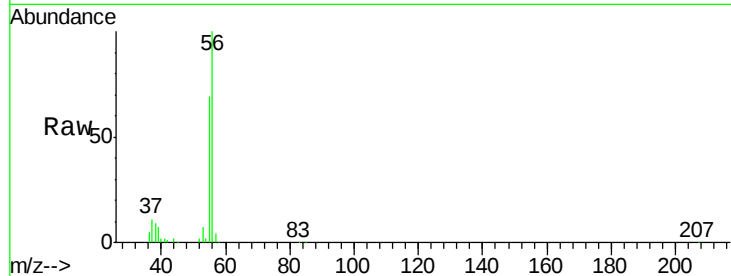
55 69.0 56.4 84.6

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#14

Allyl chloride

Concen: 43.501 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

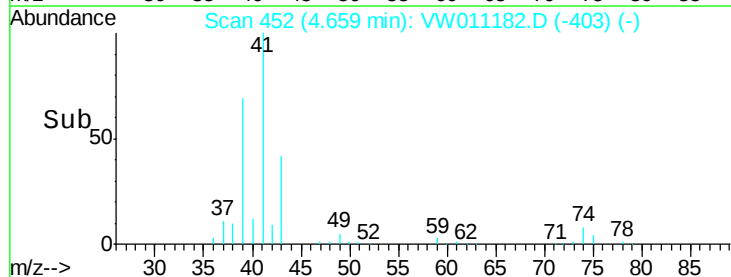
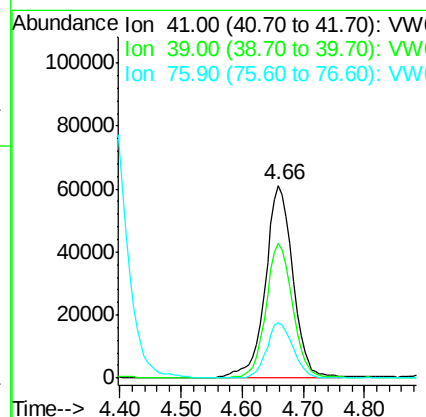
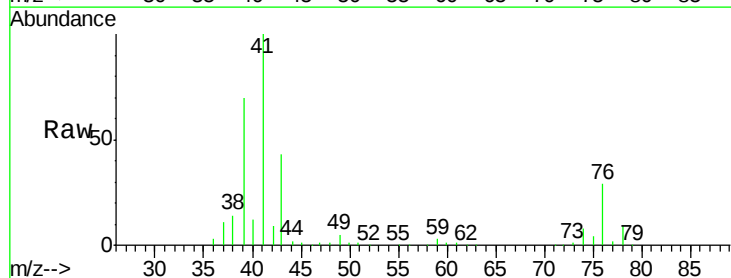
Tgt Ion: 41 Resp: 191137

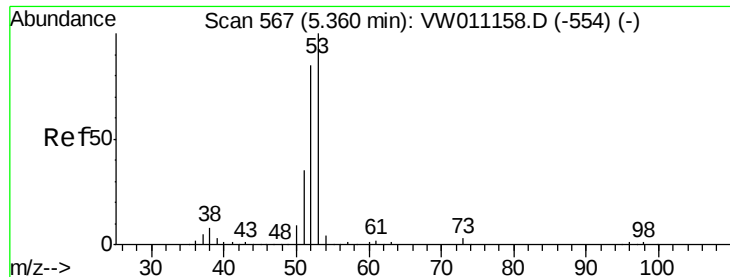
Ion Ratio Lower Upper

41 100

39 67.9 55.1 82.7

76 27.4 22.5 33.7





#15

Acrylonitrile

Concen: 228.142 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

Instrument :

MSVOA\_W

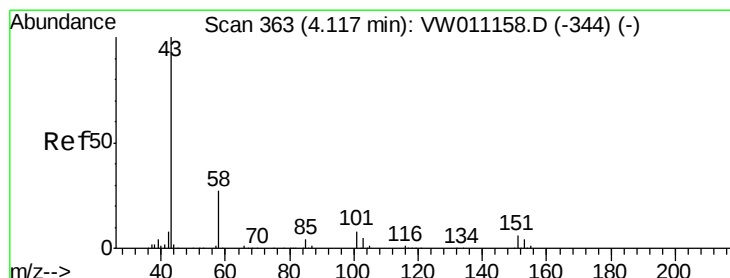
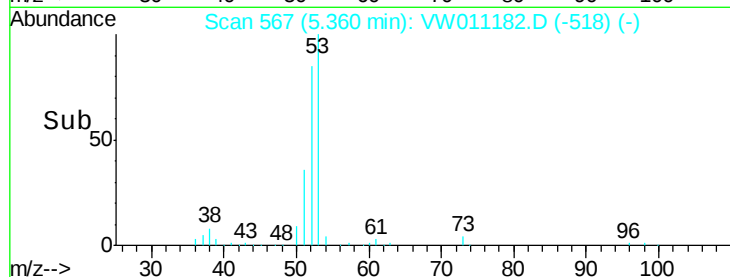
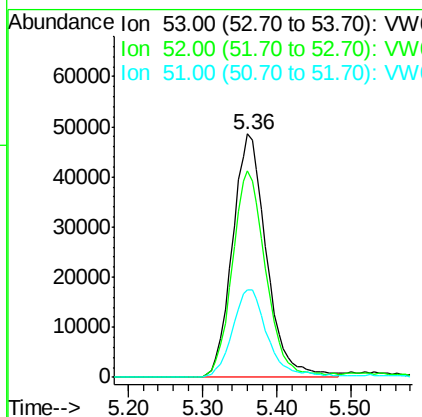
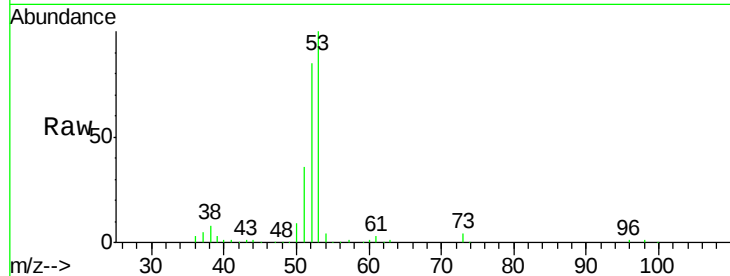
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 155816 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 83.6  | 66.2  | 99.4   |
| 51       | 37.2  | 29.1  | 43.7   |

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#16

Acetone

Concen: 244.308 ug/l

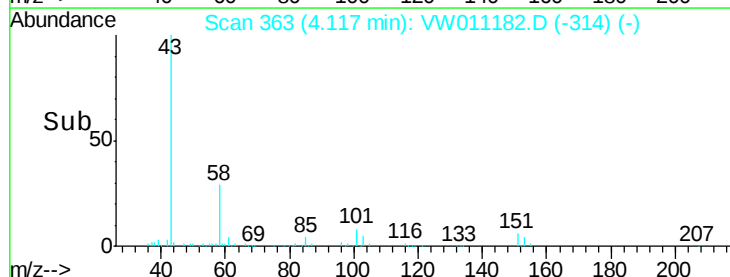
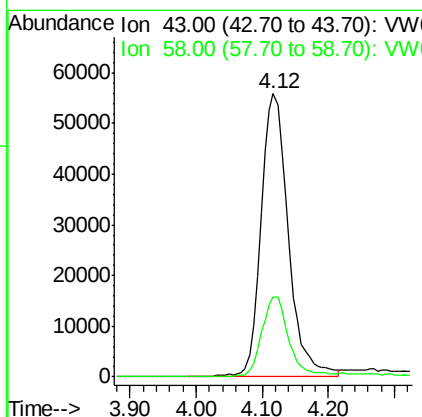
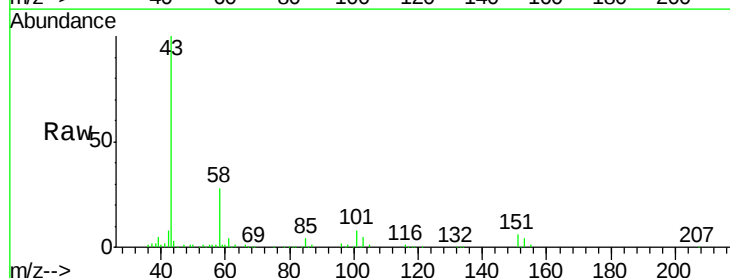
RT: 4.12 min Scan# 363

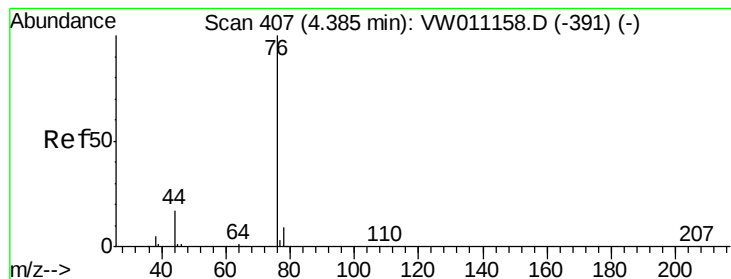
Delta R.T. -0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 160210 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 28.0  | 21.8  | 32.6   |





#17

Carbon Disulfide

Concen: 44.025 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 321604

Ion Ratio Lower Upper

76 100

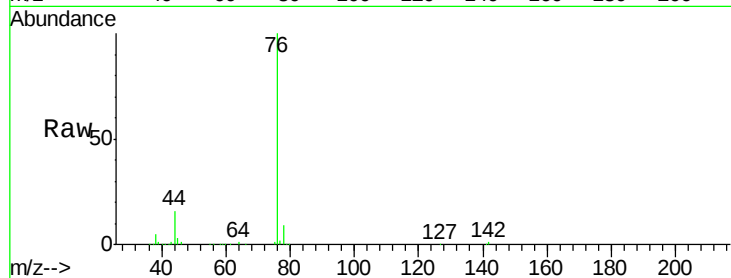
78 9.1 7.1 10.7

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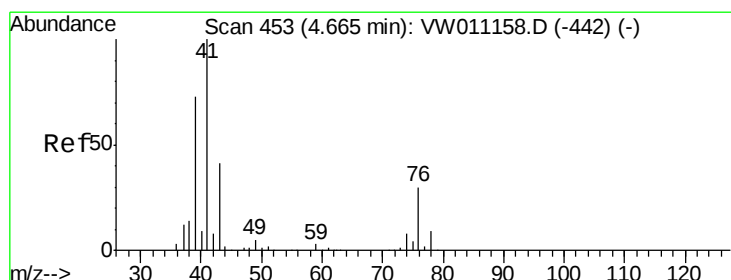
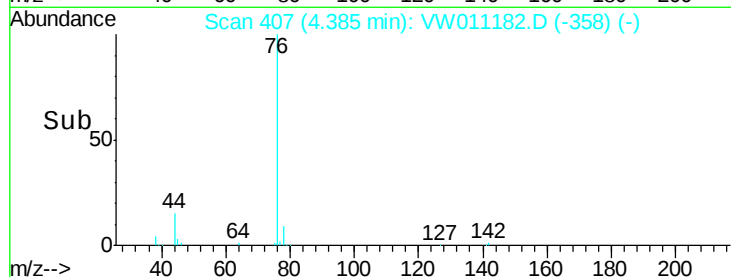
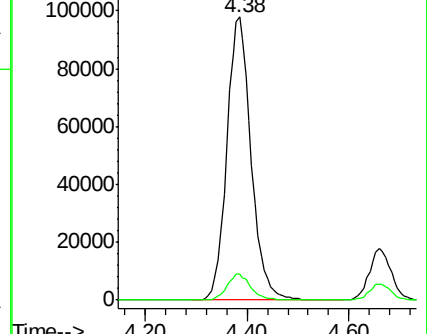
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 42.786 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011182.D

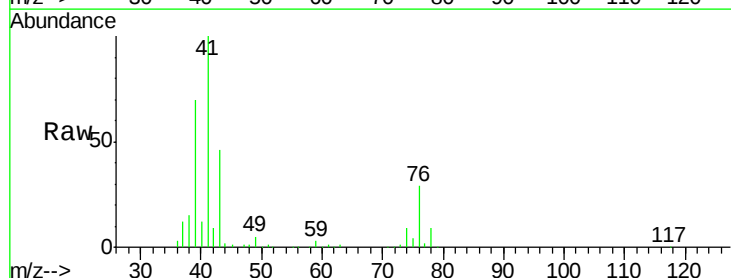
Acq: 09 Jul 2019 17:00

Tgt Ion: 43 Resp: 80170

Ion Ratio Lower Upper

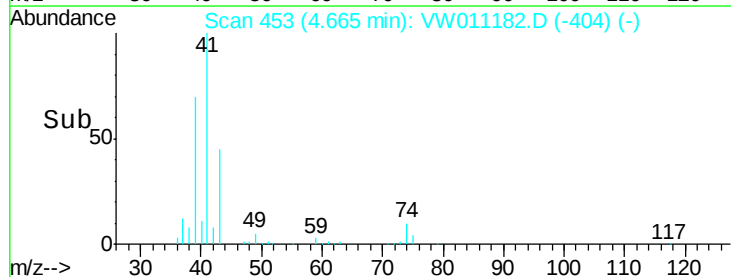
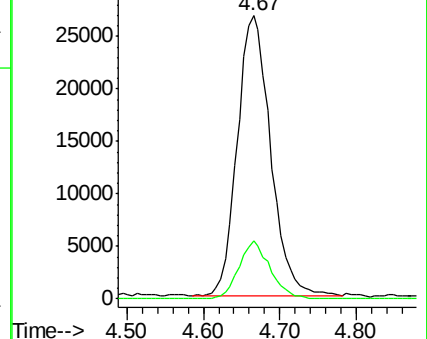
43 100

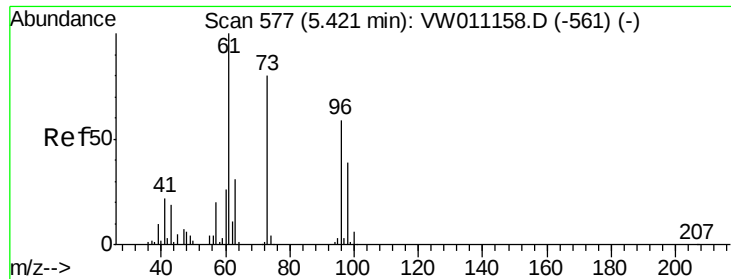
74 19.6 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





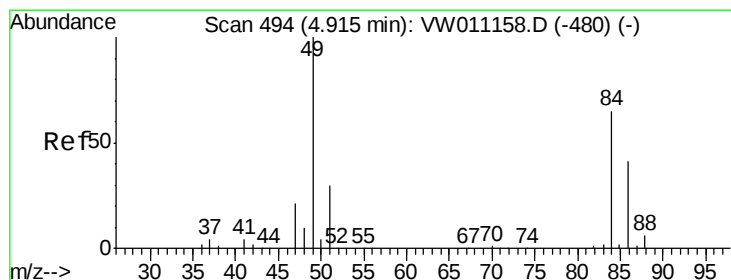
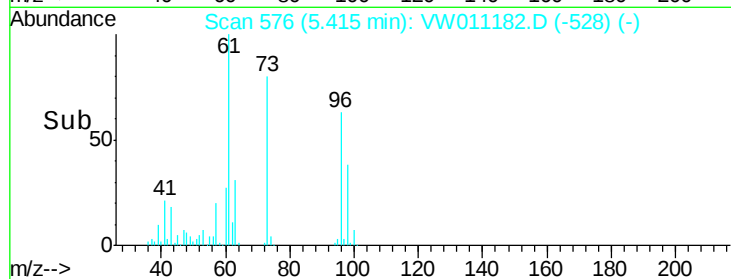
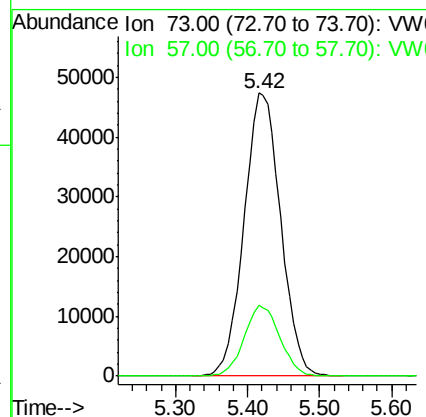
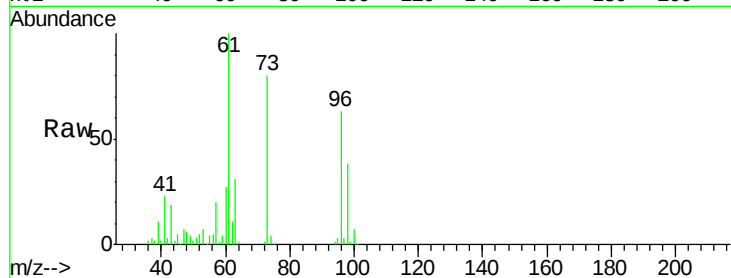
#19  
Methyl tert-butyl Ether  
Concen: 45.677 ug/l  
RT: 5.42 min Scan# 576  
Delta R.T. -0.01 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 166999  
Ion Ratio Lower Upper  
73 100  
57 25.0 19.7 29.5

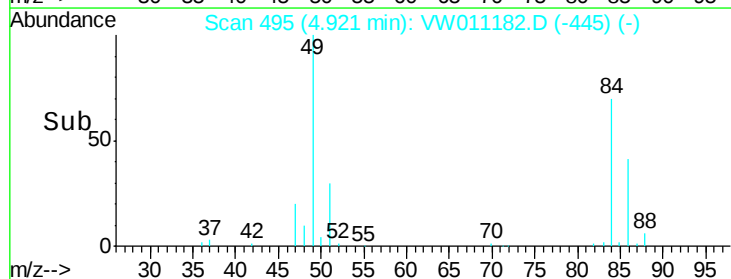
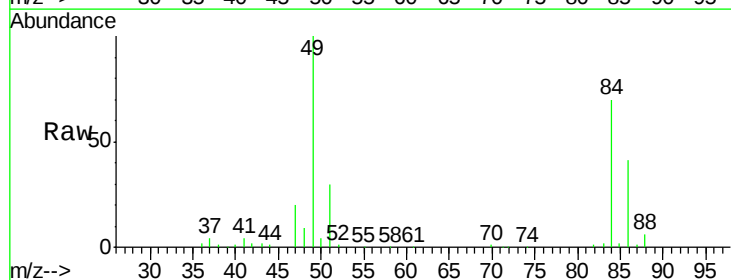
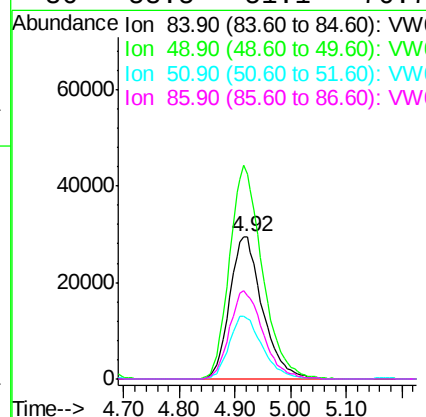
Manual Integrations  
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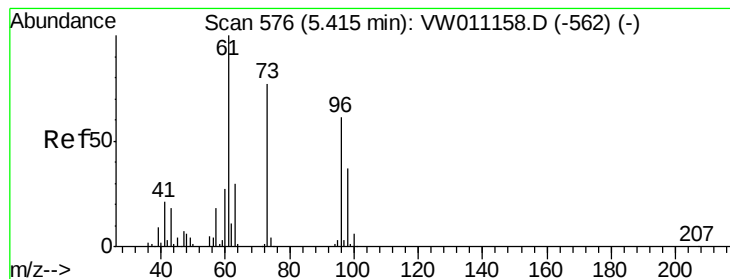
MMDadoda  
7/10/2019 10:47:22 AM



#20  
Methylene Chloride  
Concen: 46.495 ug/l  
RT: 4.92 min Scan# 495  
Delta R.T. 0.01 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

Tgt Ion: 84 Resp: 120282  
Ion Ratio Lower Upper  
84 100  
49 143.8 123.8 185.6  
51 42.7 37.4 56.2  
86 58.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 45.246 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 113283

Ion Ratio Lower Upper

96 100

61 159.1 132.2 198.2

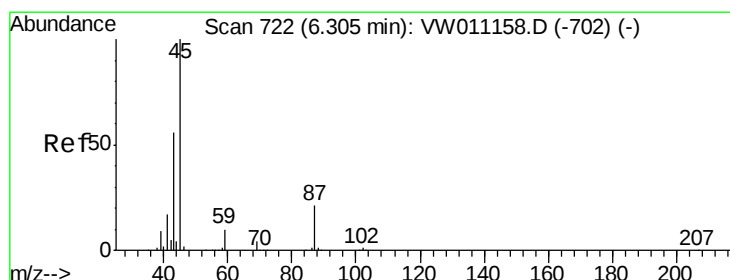
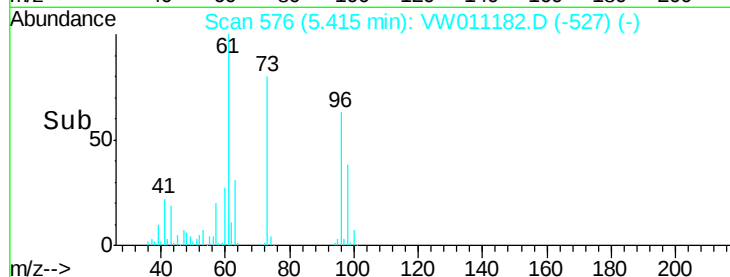
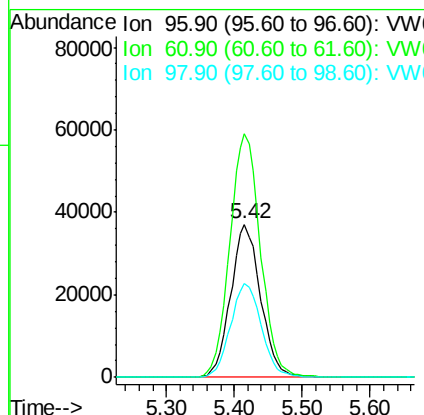
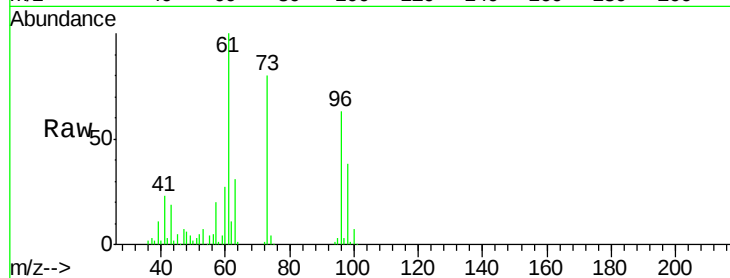
98 61.0 49.4 74.0

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#22

Diisopropyl ether

Concen: 46.340 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

Tgt Ion: 45 Resp: 437931

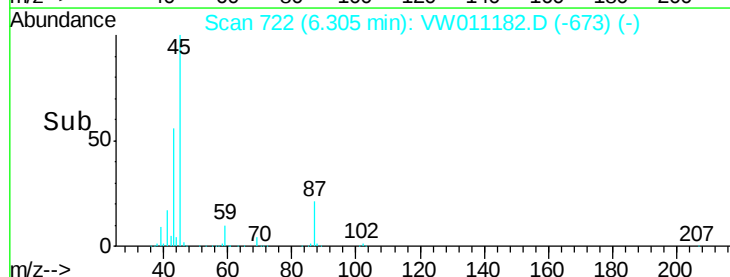
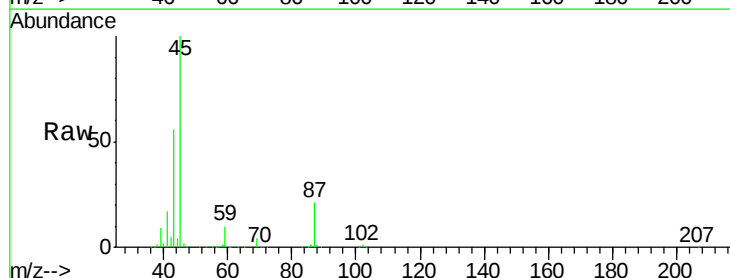
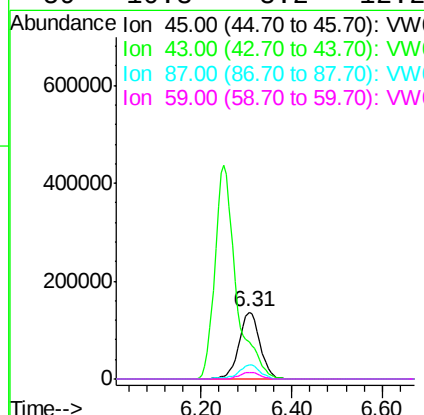
Ion Ratio Lower Upper

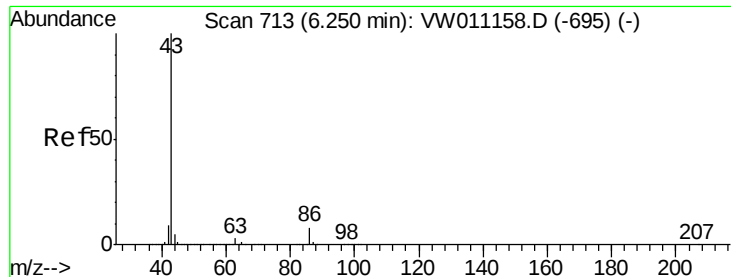
45 100

43 56.2 44.6 66.8

87 20.7 17.3 25.9

59 10.3 8.2 12.2





#23

Vinyl Acetate

Concen: 242.826 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1420196

Ion Ratio Lower Upper

43 100

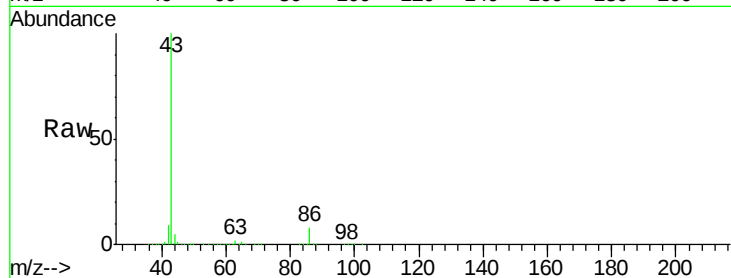
86 8.4 6.5 9.7

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

400000

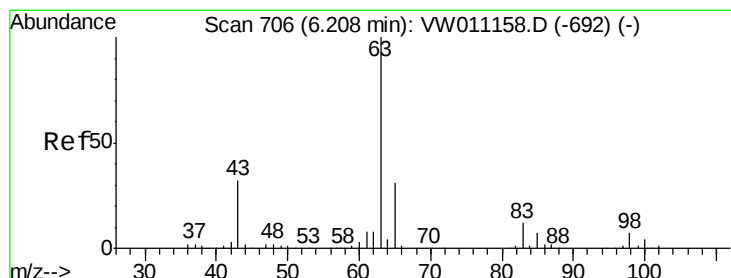
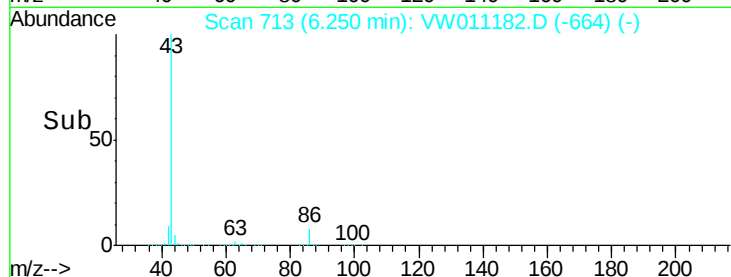
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 44.836 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

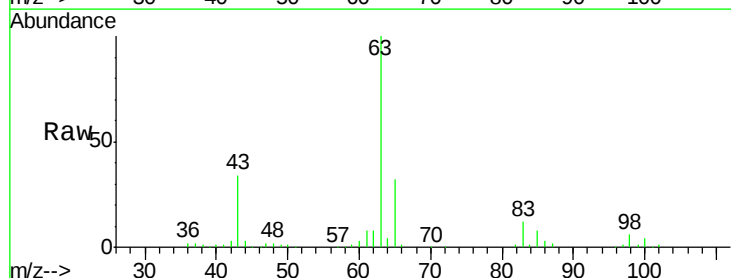
Tgt Ion: 63 Resp: 222501

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

100 3.9 2.1 6.2



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

100000

80000

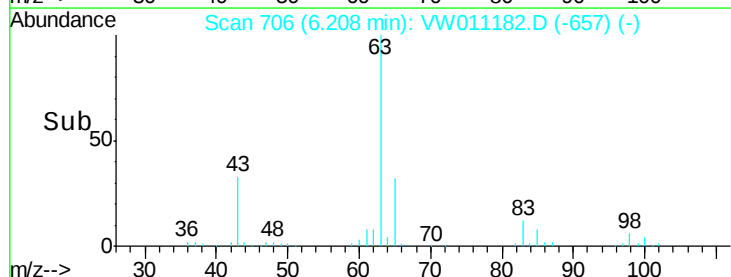
60000

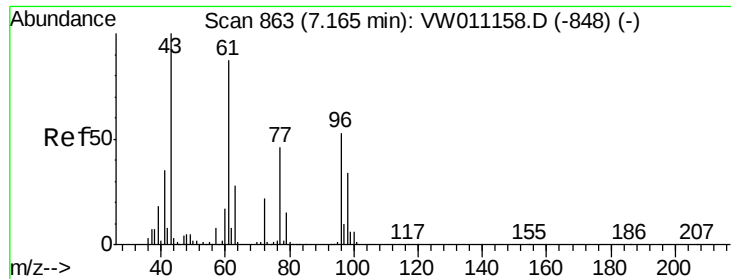
40000

20000

0

Time-->





#25

2-Butanone

Concen: 235.113 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 242022

Ion Ratio Lower Upper

43 100

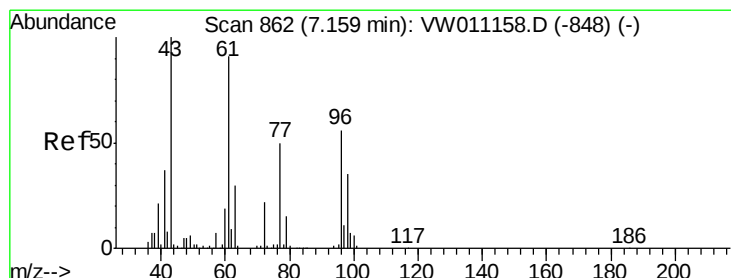
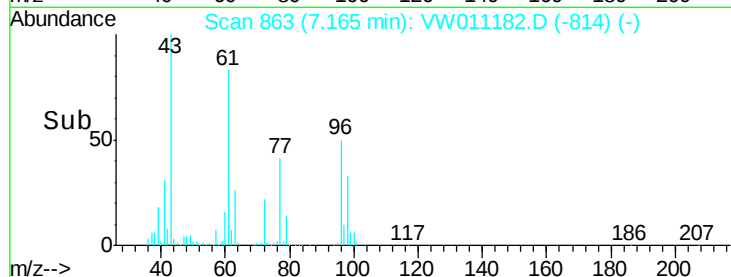
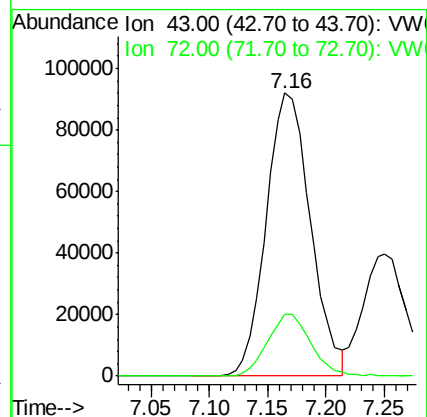
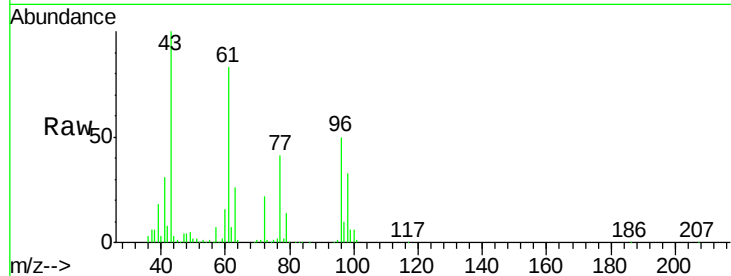
72 21.9 17.6 26.4

Manual Integrations

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7/10/2019 10:47:22 AM



#26

2,2-Dichloropropane

Concen: 43.875 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW011182.D

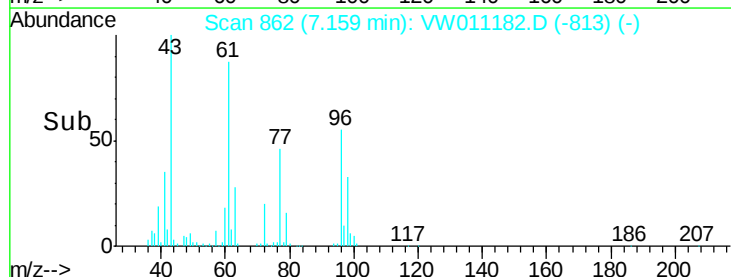
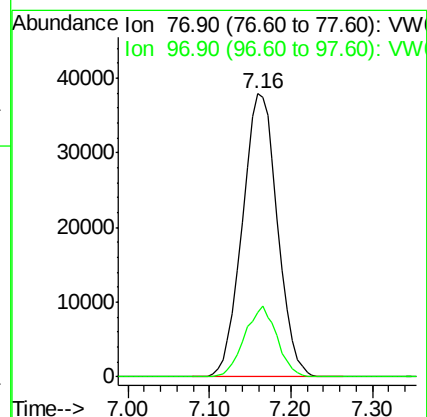
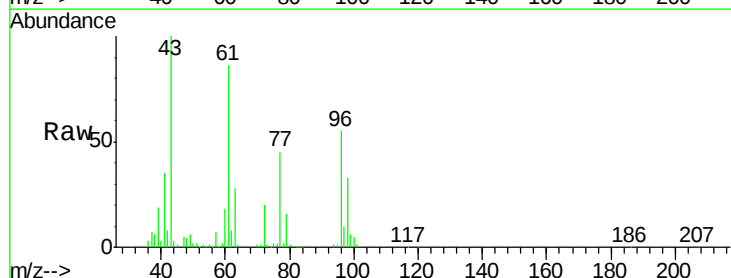
Acq: 09 Jul 2019 17:00

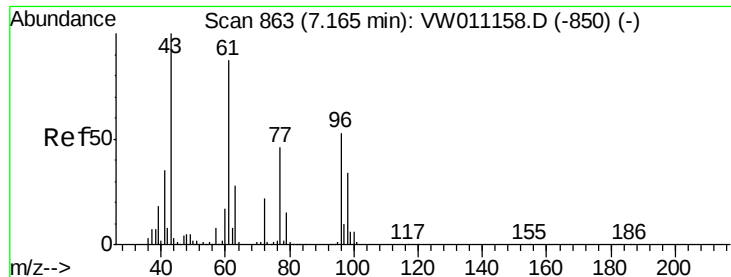
Tgt Ion: 77 Resp: 113180

Ion Ratio Lower Upper

77 100

97 23.2 11.2 33.5





#27

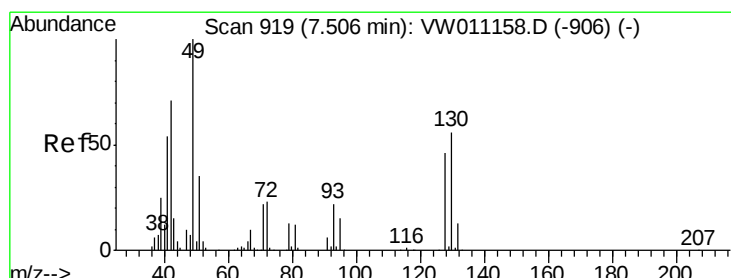
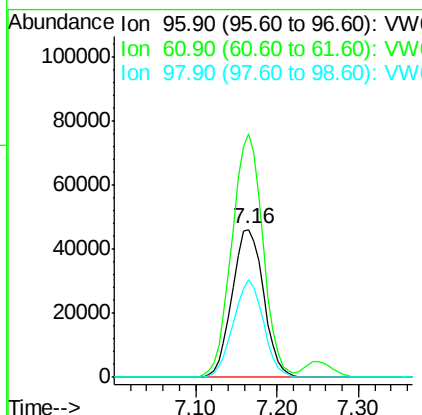
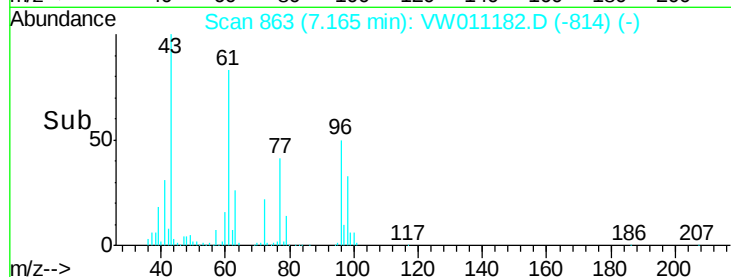
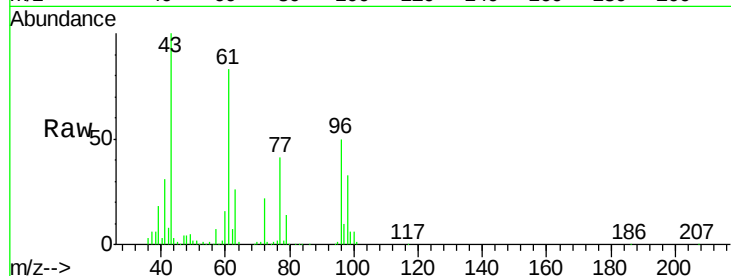
cis-1,2-Dichloroethene  
 Concen: 45.482 ug/l  
 RT: 7.16 min Scan# 863  
 Delta R.T. -0.00 min  
 Lab File: VW011182.D  
 Acq: 09 Jul 2019 17:00

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 162.5 | 0.0   | 325.6 |
| 98      | 63.6  | 0.0   | 128.2 |

Manual Integrations  
 APPROVED

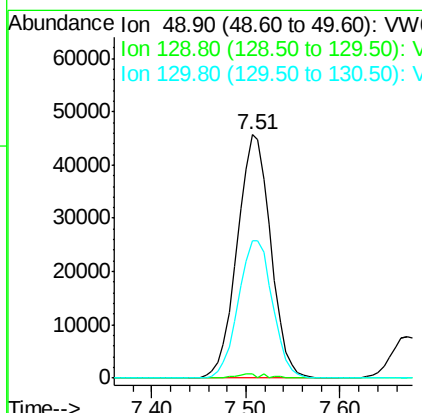
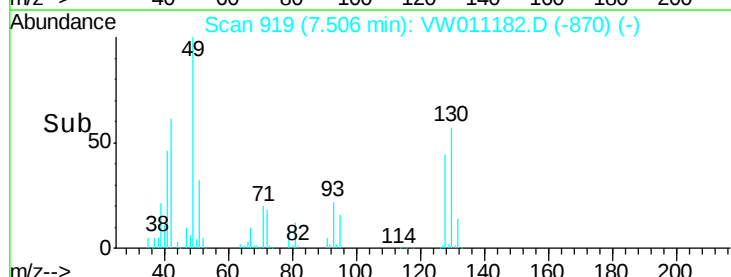
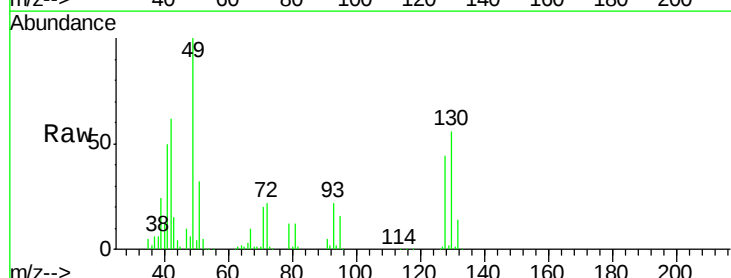
MMDadoda  
 7/10/2019 10:47:22 AM

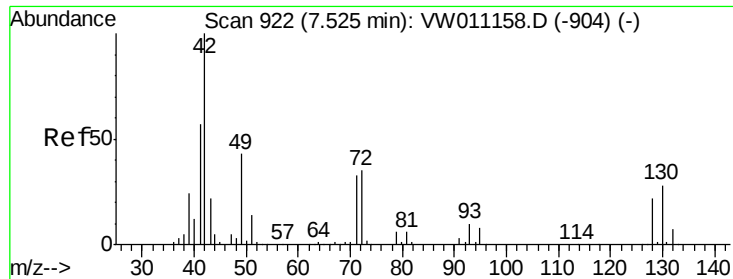


#28

Bromochloromethane  
 Concen: 50.446 ug/l  
 RT: 7.51 min Scan# 919  
 Delta R.T. -0.00 min  
 Lab File: VW011182.D  
 Acq: 09 Jul 2019 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.8   | 0.0   | 1.4   |
| 130     | 57.6  | 45.8  | 68.8  |





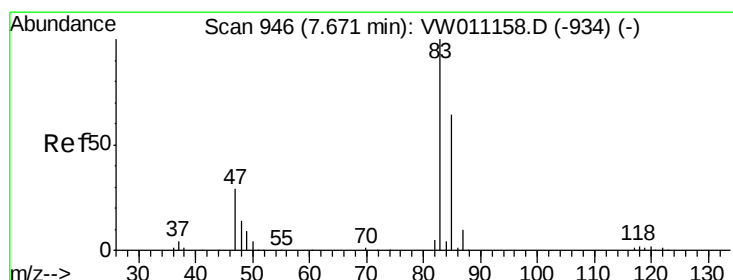
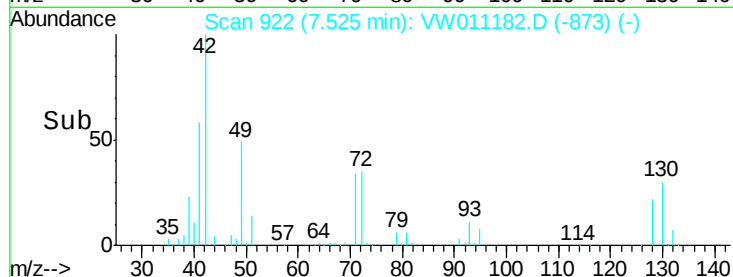
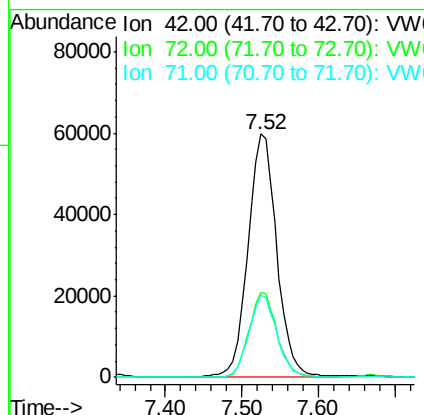
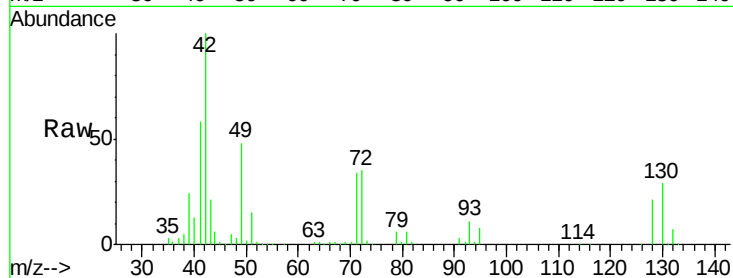
#29  
Tetrahydrofuran  
Concen: 230.701 ug/l  
RT: 7.52 min Scan# 922  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 34.5  | 27.4  | 41.2  |
| 71      | 33.0  | 25.9  | 38.9  |

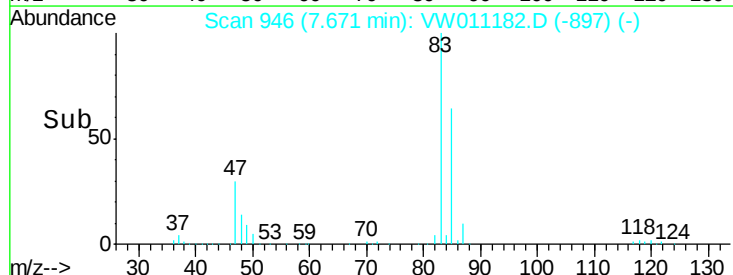
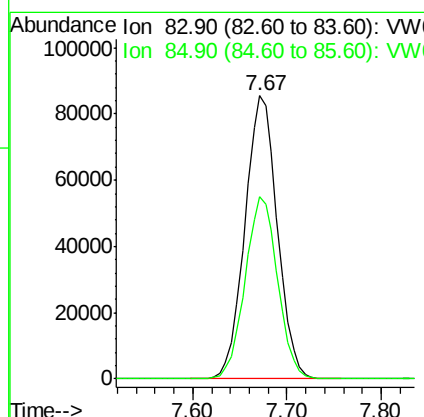
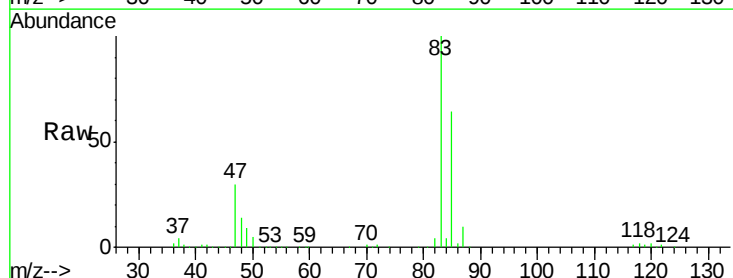
Manual Integrations  
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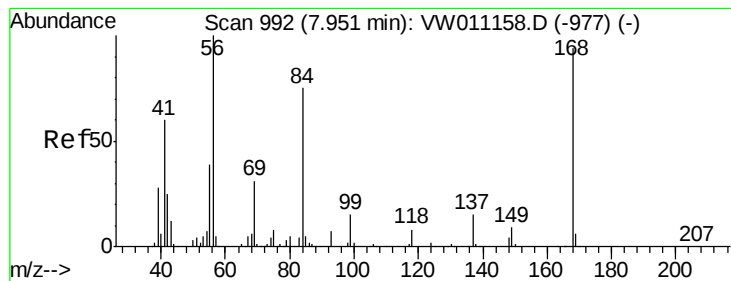
MMDadoda  
7/10/2019 10:47:22 AM



#30  
Chloroform  
Concen: 44.825 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.4  | 51.4  | 77.2  |





#31

Cyclohexane

Concen: 42.640 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

Instrument :

MSVOA\_W

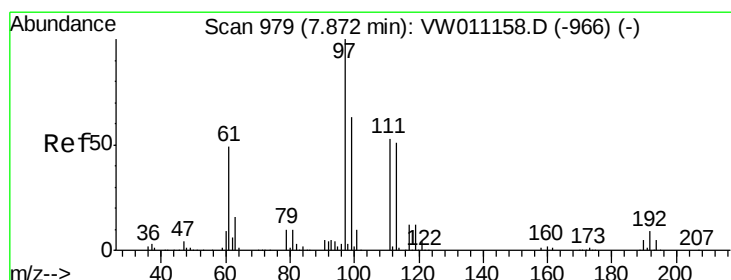
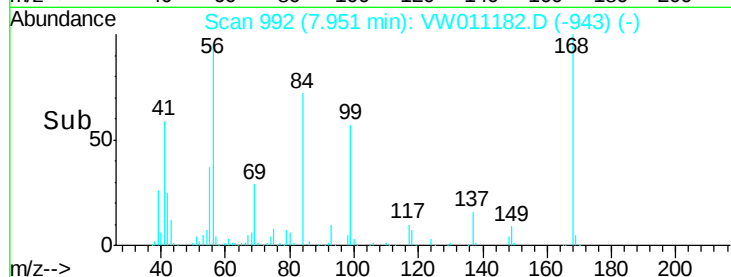
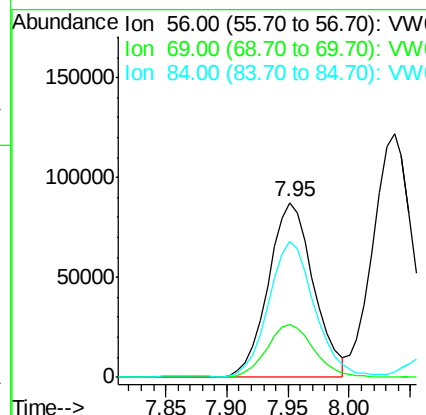
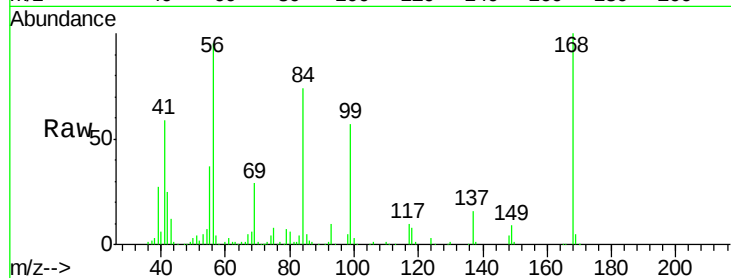
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 225116 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 30.4  | 24.6  | 36.8   |
| 84        | 76.3  | 60.1  | 90.1   |

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MMDadoda  
7/10/2019 10:47:22 AM



#32

1,1,1-Trichloroethane

Concen: 44.916 ug/l

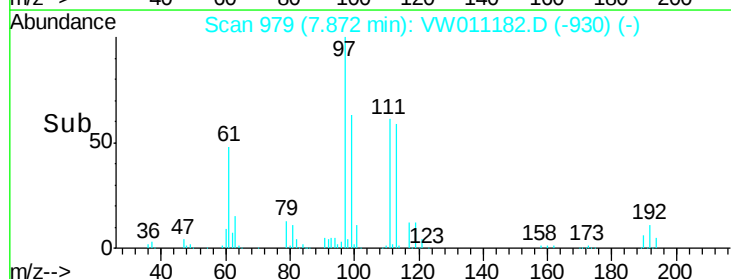
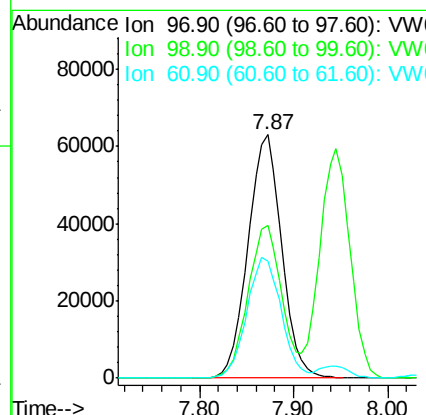
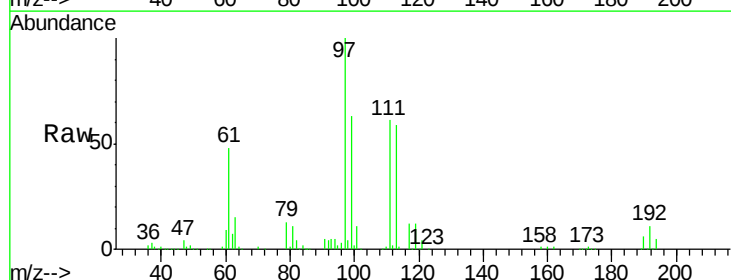
RT: 7.87 min Scan# 979

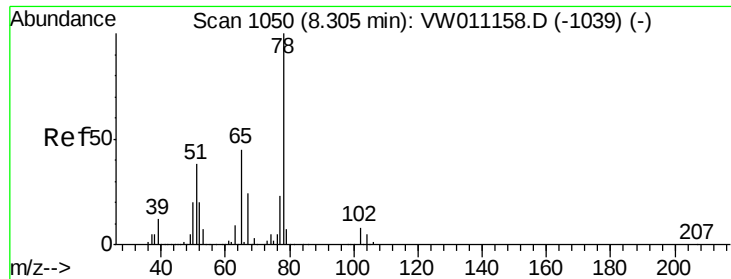
Delta R.T. -0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 157027 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 63.5  | 51.0  | 76.4   |
| 61        | 50.6  | 40.4  | 60.6   |





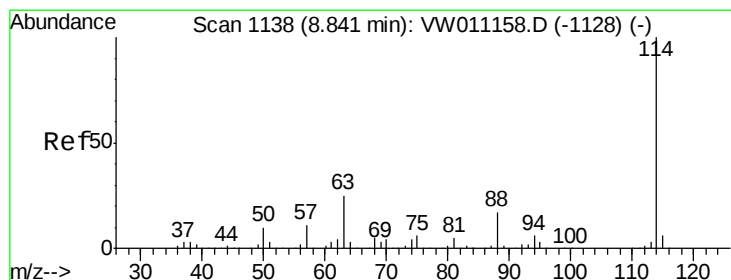
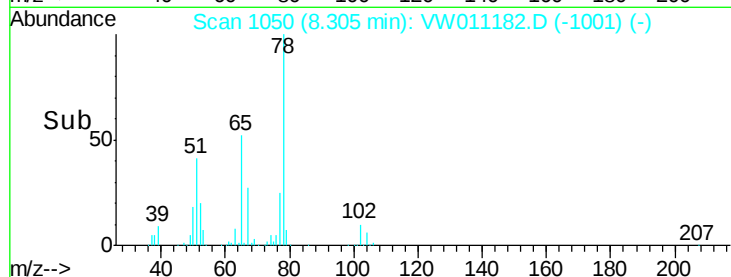
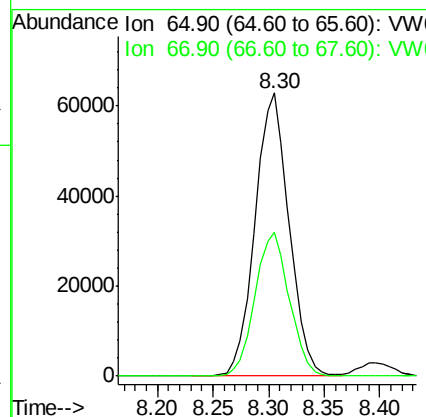
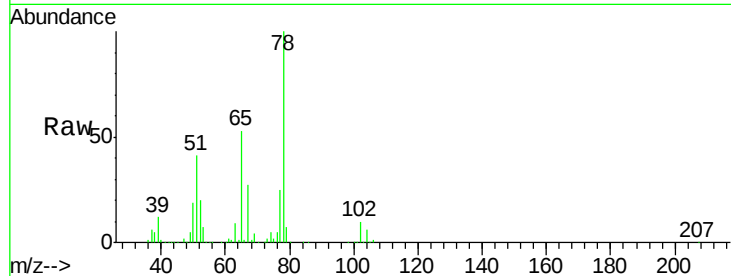
#33  
 1,2-Dichloroethane-d4  
 Concen: 49.061 ug/l  
 RT: 8.30 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW011182.D  
 Acq: 09 Jul 2019 17:00

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 133713 |       |       |
| 67      | 51.2  | 0.0    | 104.4 |       |

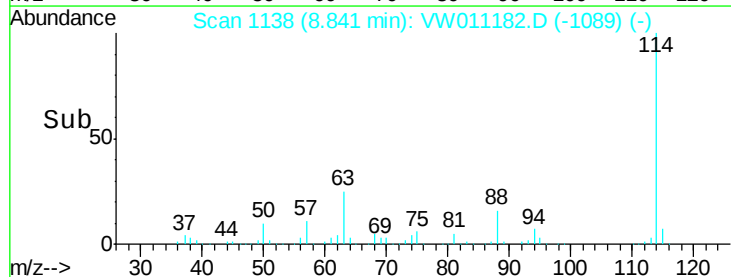
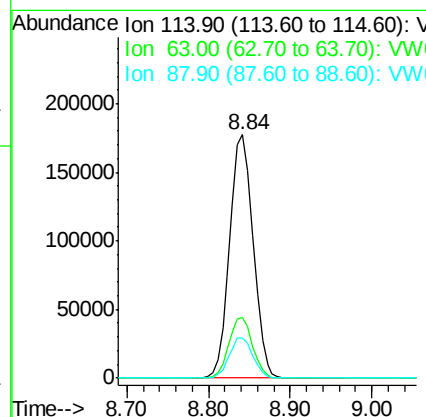
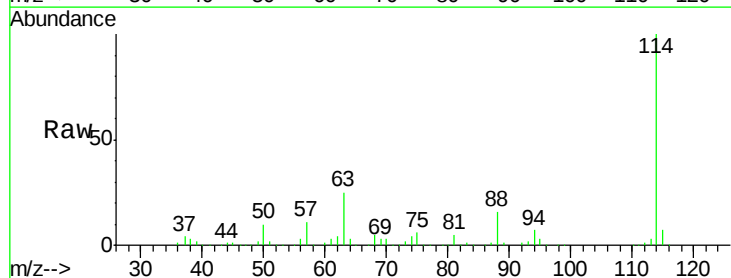
Manual Integrations  
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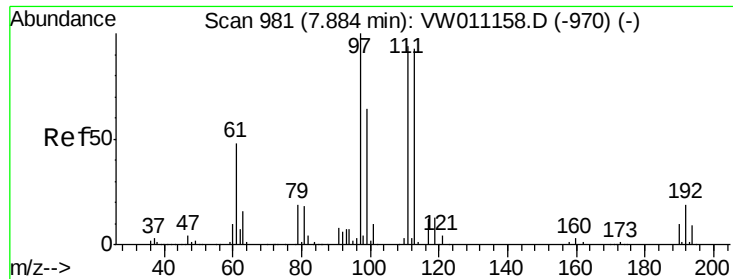
MMDadoda  
 7/10/2019 10:47:22 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW011182.D  
 Acq: 09 Jul 2019 17:00

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 352827 |       |       |
| 63      | 25.0  | 0.0    | 50.8  |       |
| 88      | 16.3  | 0.0    | 34.2  |       |





#35

Dibromofluoromethane

Concen: 49.825 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

Instrument :

MSVOA\_W

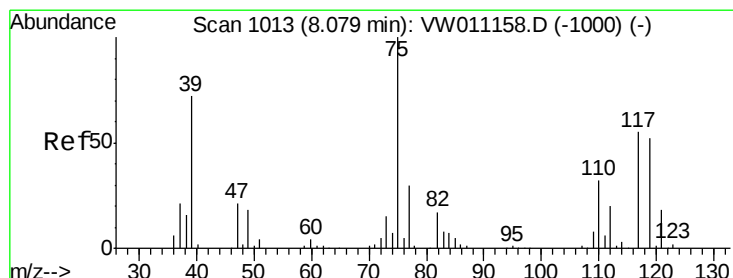
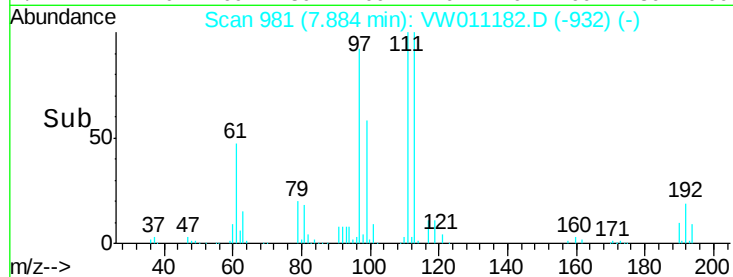
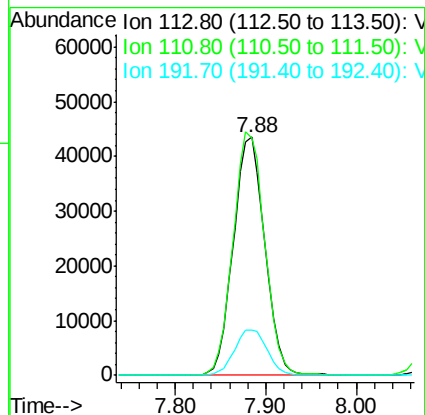
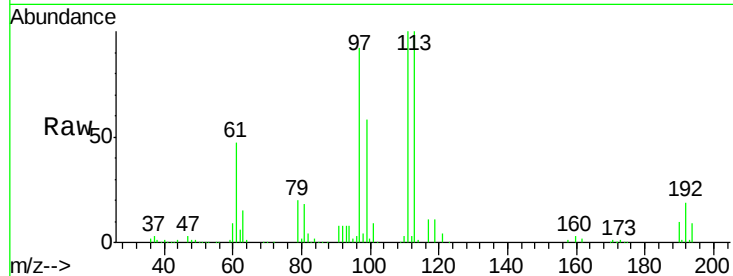
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 104783 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.9 | 82.4  | 123.6  |
| 192       | 19.9  | 15.8  | 23.8   |

Manual Integrations  
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7/10/2019 10:47:22 AM



#36

1,1-Dichloropropene

Concen: 45.512 ug/l

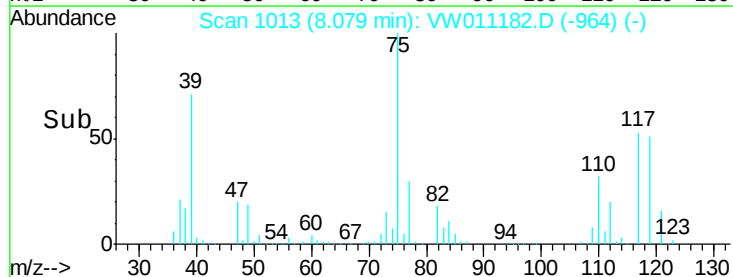
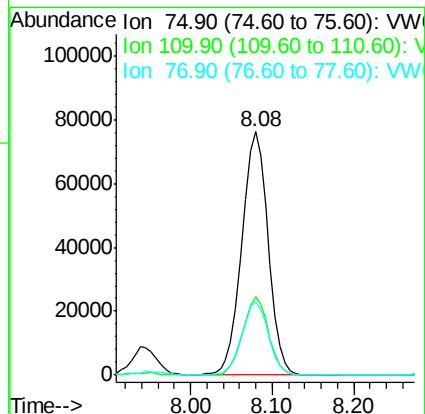
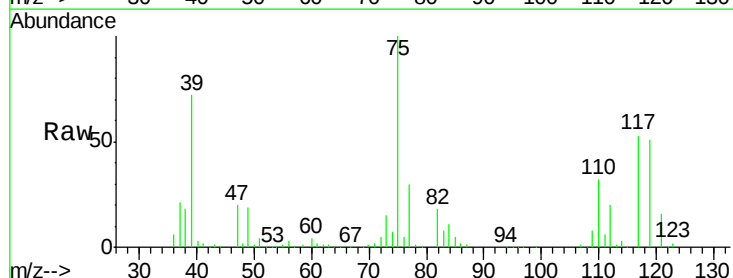
RT: 8.08 min Scan# 1013

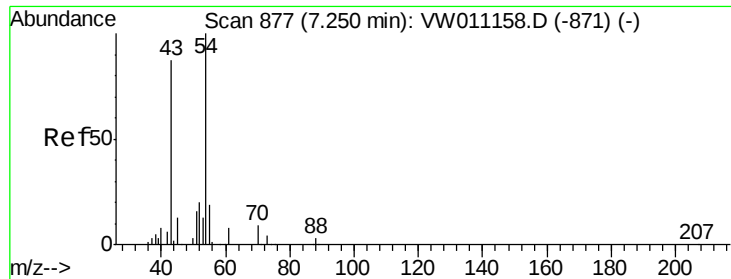
Delta R.T. -0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 171001 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 31.4  | 15.9  | 47.6   |
| 77        | 30.5  | 24.6  | 36.8   |





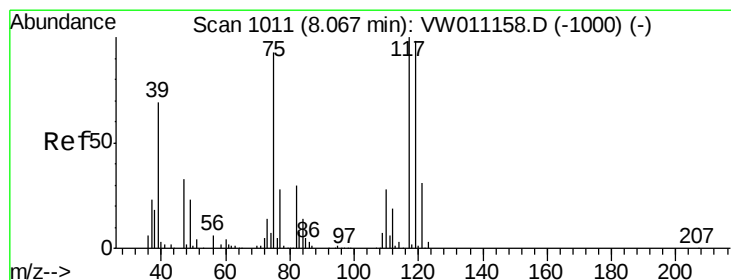
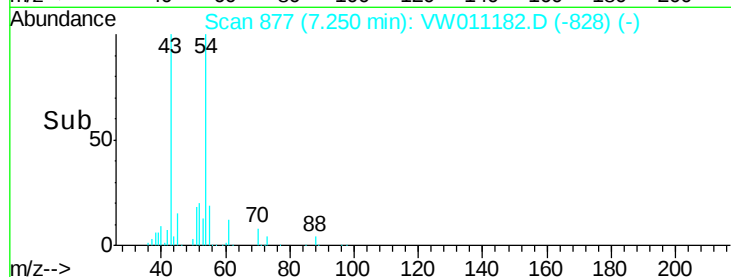
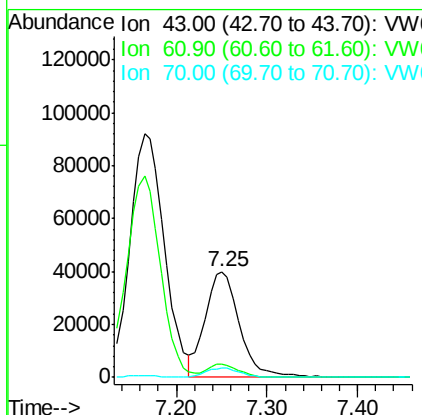
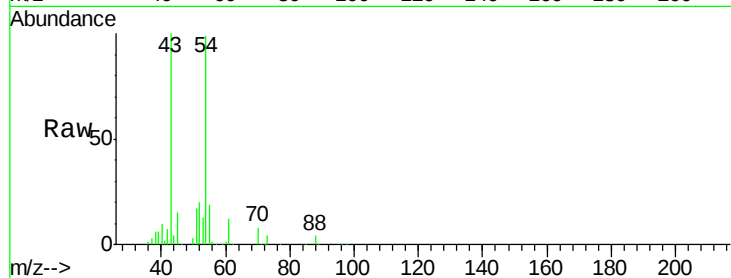
#37  
Ethyl Acetate  
Concen: 46.202 ug/l  
RT: 7.25 min Scan# 877  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 11.7  | 9.5   | 14.3  |
| 70      | 8.8   | 7.1   | 10.7  |

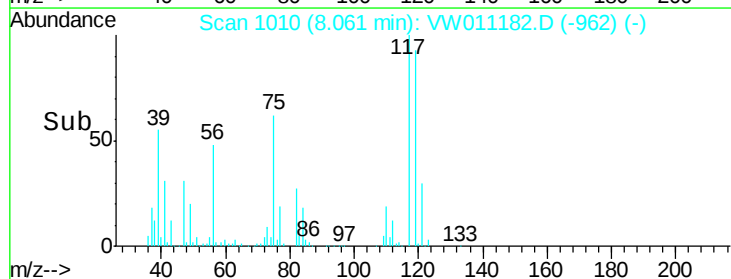
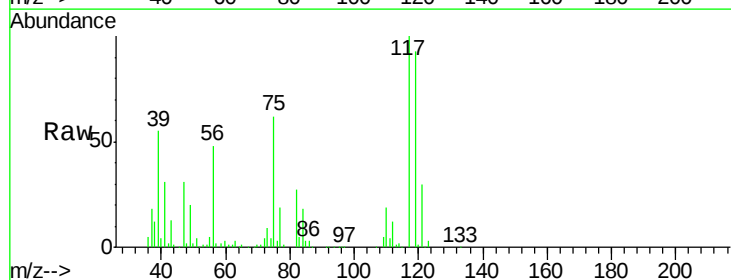
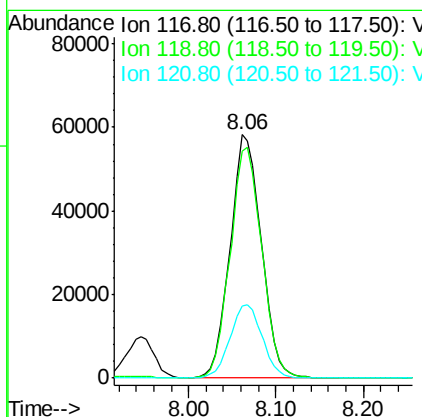
Manual Integrations  
APPROVED

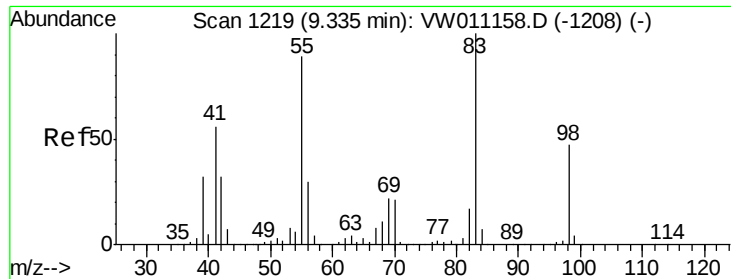
MMDadoda  
7/10/2019 10:47:22 AM



#38  
Carbon Tetrachloride  
Concen: 45.395 ug/l  
RT: 8.06 min Scan# 1010  
Delta R.T. -0.01 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 93.3  | 78.1  | 117.1 |
| 121     | 29.8  | 25.1  | 37.7  |





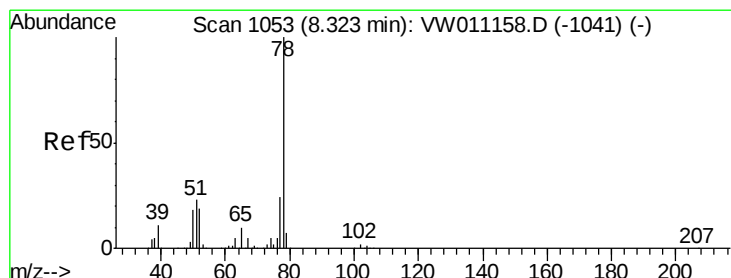
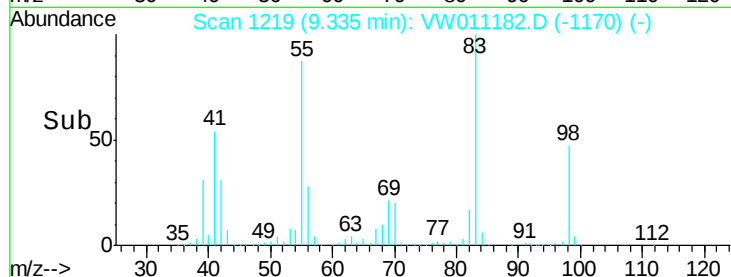
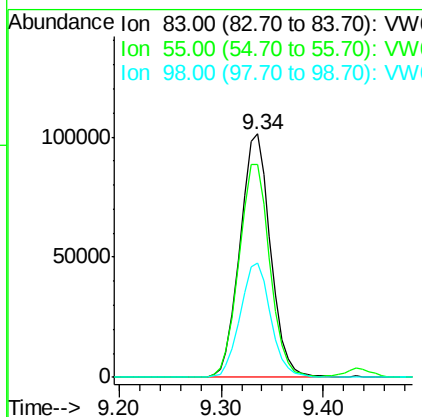
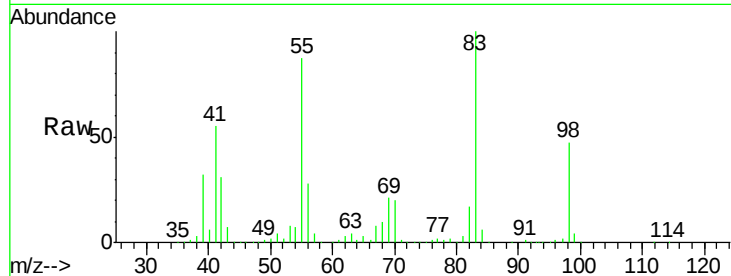
#39  
Methvlcvclohexane  
Concen: 46.227 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 87.3  | 71.2  | 106.8 |
| 98      | 47.2  | 37.5  | 56.3  |

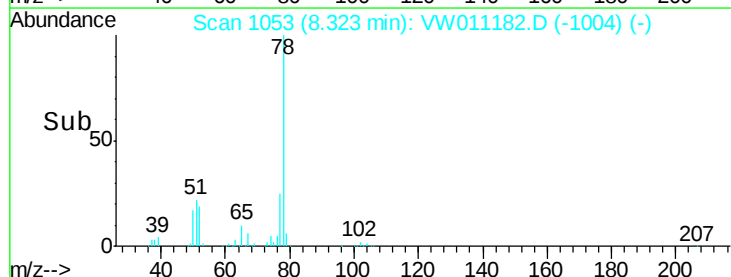
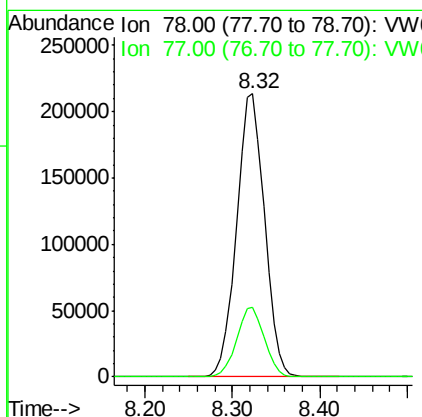
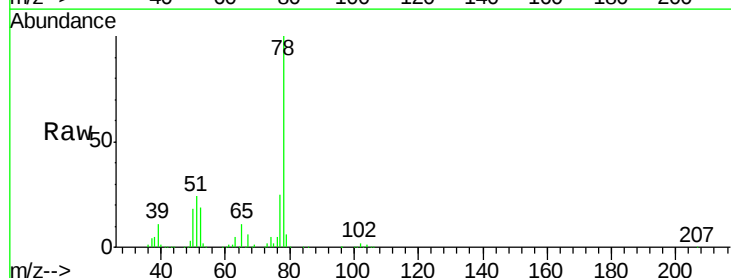
Manual Integrations  
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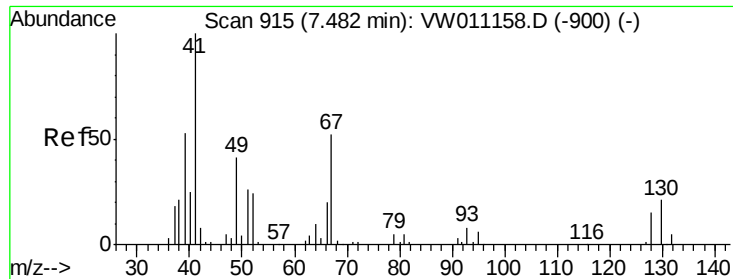
MMDadoda  
7/10/2019 10:47:22 AM



#40  
Benzene  
Concen: 45.737 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.8  | 19.0  | 28.6  |





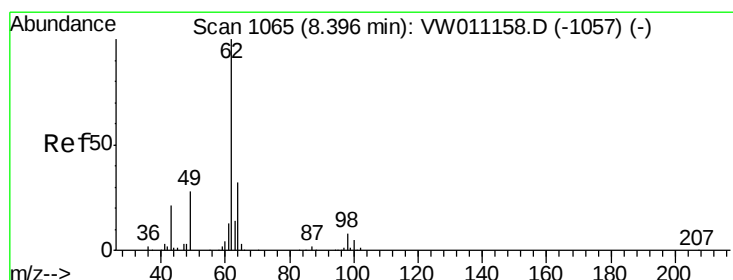
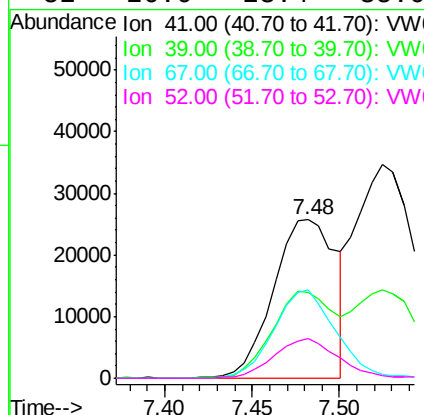
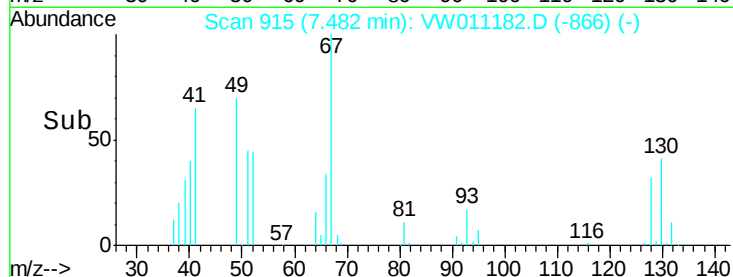
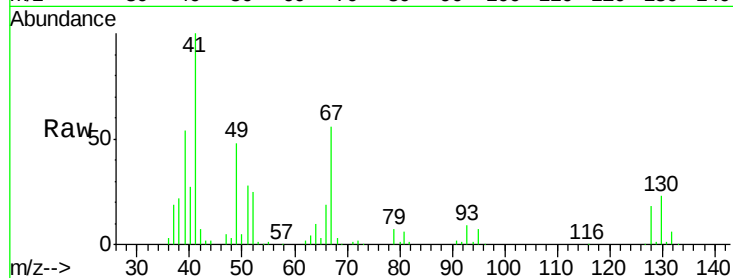
#41  
Methacrylonitrile  
Concen: 49.679 ug/l  
RT: 7.48 min Scan# 915  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 64142 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 54.3  | 48.0  | 72.0  |
| 67       | 55.5  | 49.7  | 74.5  |
| 52       | 26.0  | 23.4  | 35.0  |

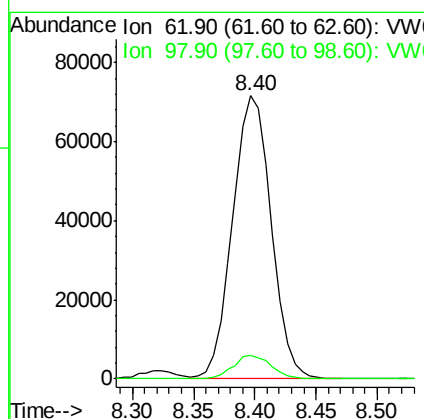
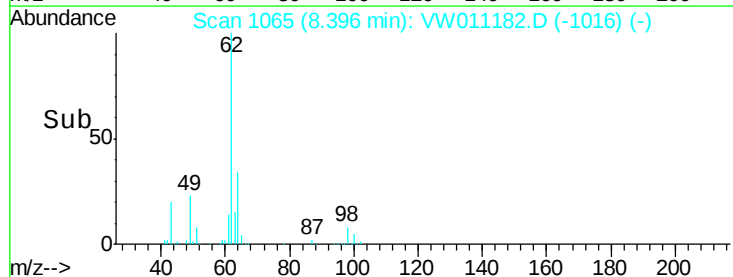
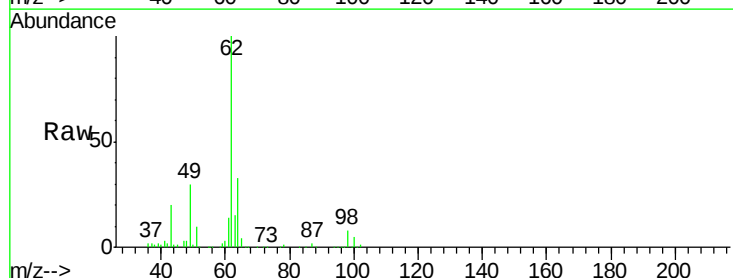
Manual Integrations  
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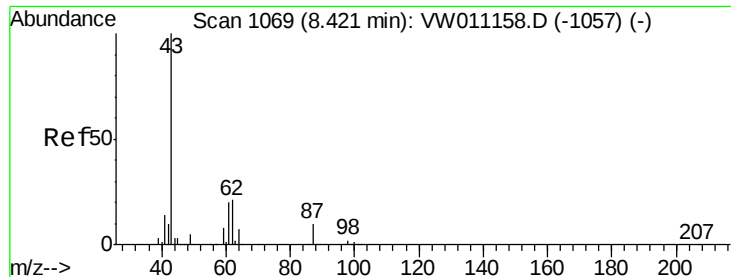
MMDadoda  
7/10/2019 10:47:22 AM



#42  
1,2-Dichloroethane  
Concen: 46.436 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 156414 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 8.1   | 0.0   | 16.8   |





#43

Isopropyl Acetate

Concen: 46.932 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

Instrument :

MSVOA\_W

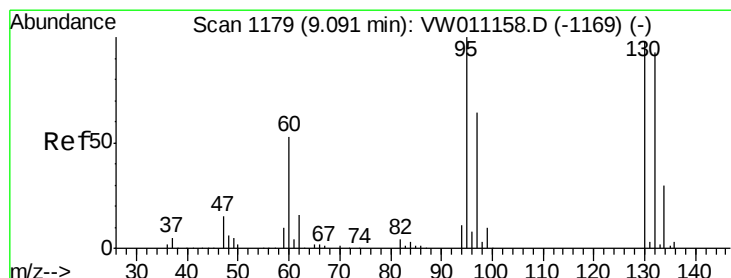
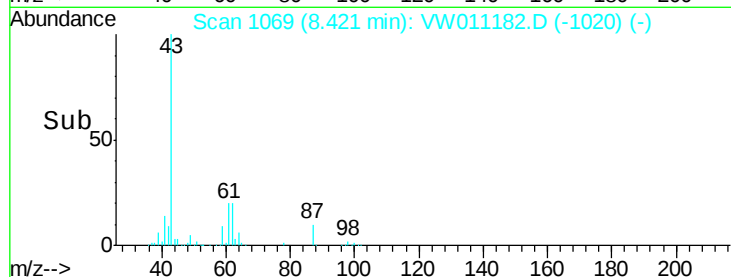
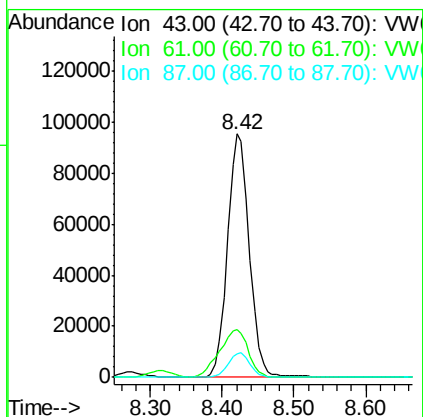
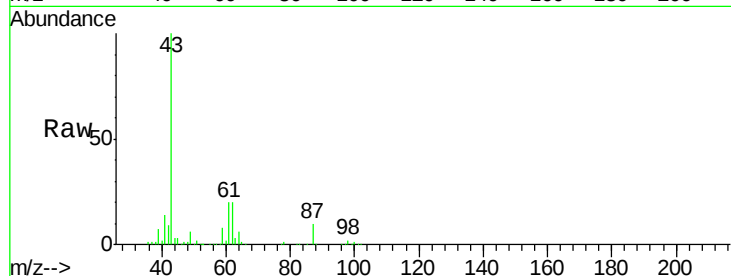
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 200029 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 25.9  | 20.7  | 31.1   |
| 87       | 10.2  | 8.1   | 12.1   |

Manual Integrations  
APPROVED

MMDadoda  
7/10/2019 10:47:22 AM



#44

Trichloroethene

Concen: 45.765 ug/l

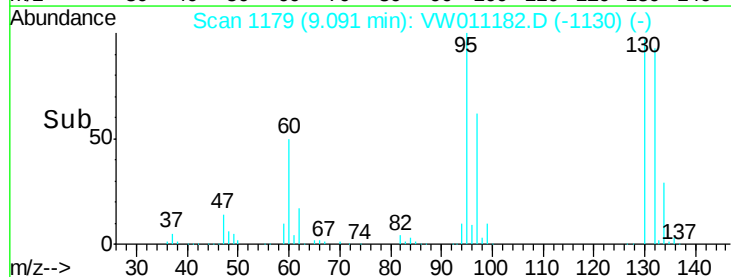
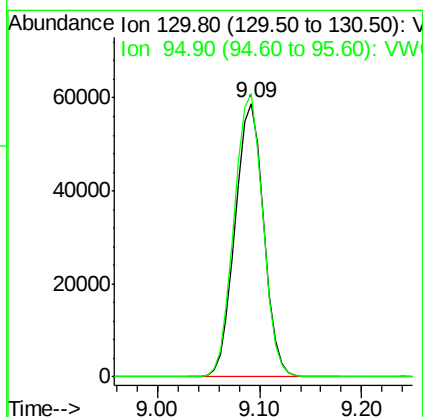
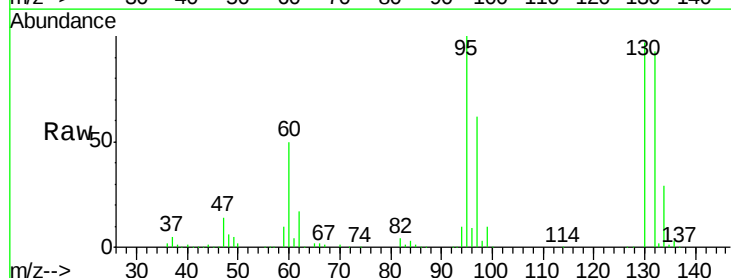
RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 114355 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 103.6 | 0.0   | 203.6  |





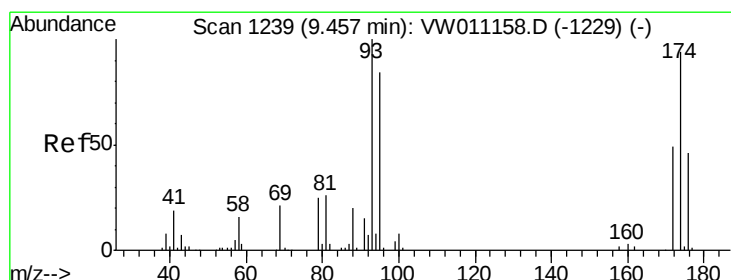
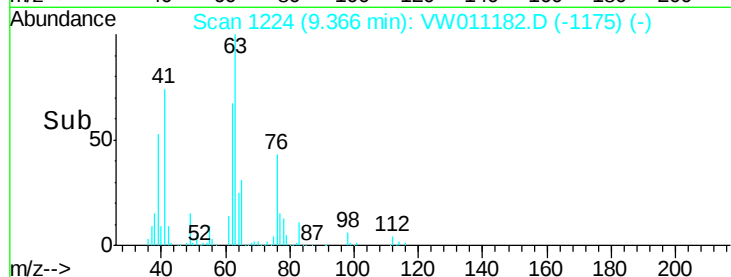
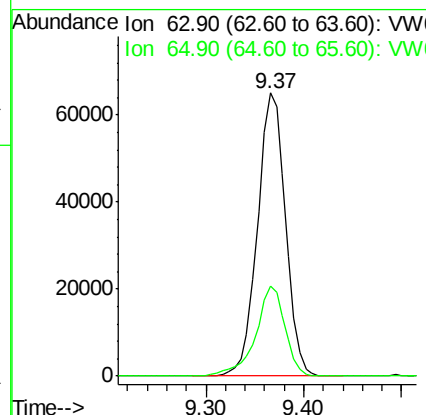
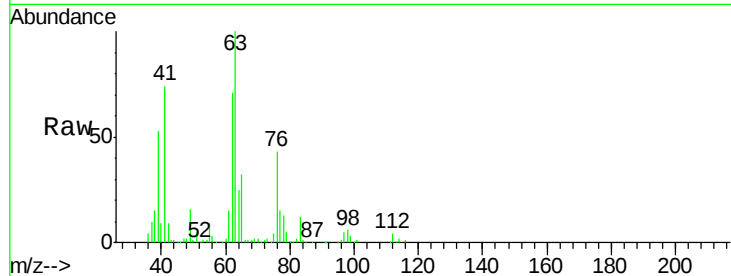
#45  
 1,2-Dichloropropane  
 Concen: 46.259 ug/l  
 RT: 9.37 min Scan# 1224  
 Delta R.T. -0.00 min  
 Lab File: VW011182.D  
 Acq: 09 Jul 2019 17:00

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 63 Resp: 130073  
 Ion Ratio Lower Upper  
 63 100  
 65 31.8 24.4 36.6

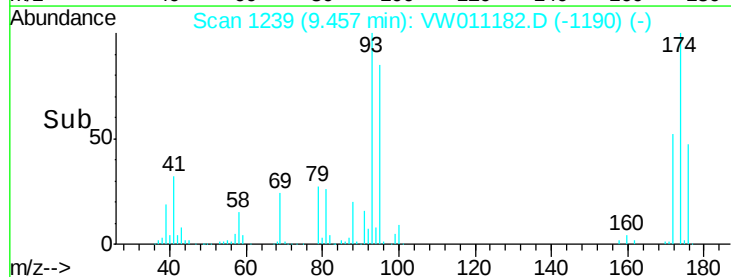
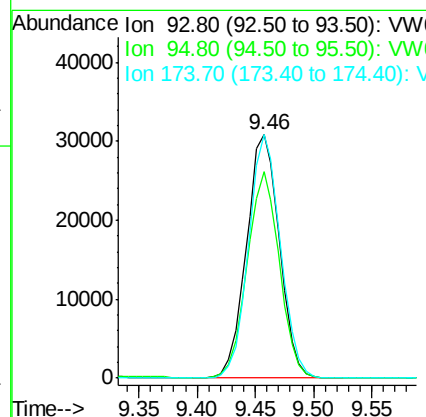
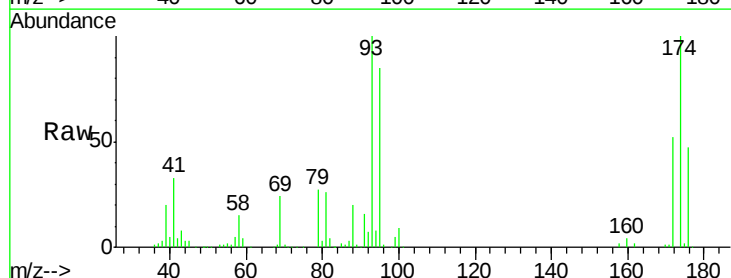
Manual Integrations  
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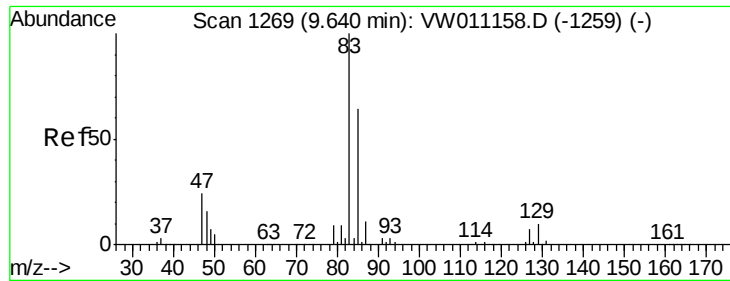
MMDadoda  
 7/10/2019 10:47:22 AM



#46  
 Dibromomethane  
 Concen: 46.176 ug/l  
 RT: 9.46 min Scan# 1239  
 Delta R.T. -0.00 min  
 Lab File: VW011182.D  
 Acq: 09 Jul 2019 17:00

Tgt Ion: 93 Resp: 60993  
 Ion Ratio Lower Upper  
 93 100  
 95 83.0 67.2 100.8  
 174 96.4 76.3 114.5





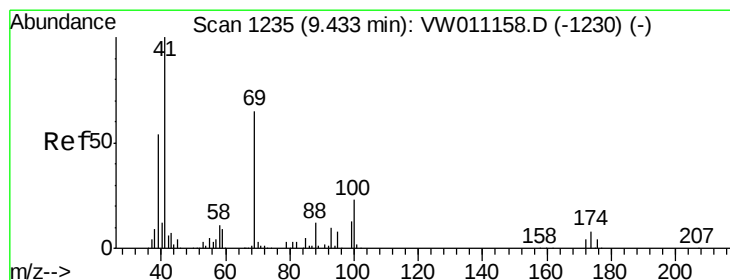
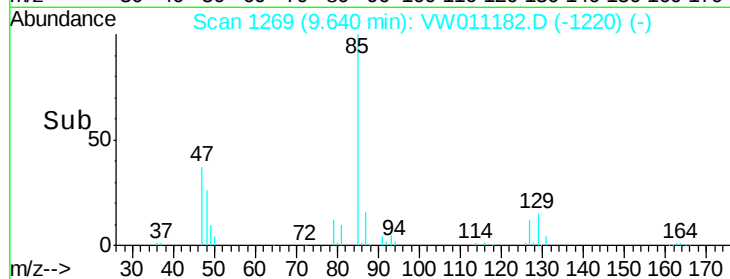
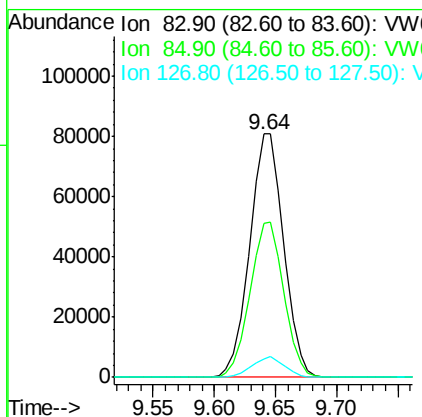
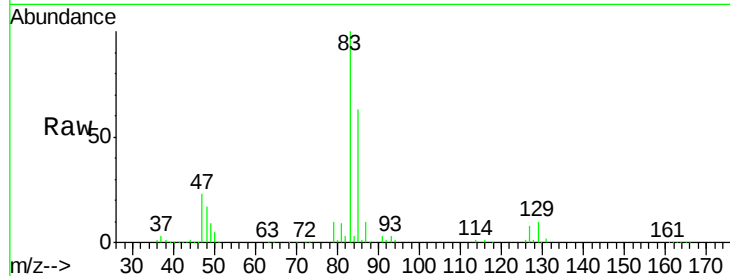
#47  
Bromodichloromethane  
Concen: 46.270 ug/l  
RT: 9.64 min Scan# 1269  
Delta R.T. 0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 83   | Resp  | 156378 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 63.0 | 51.0  | 76.4   |
| 127       | 7.8  | 6.0   | 9.0    |

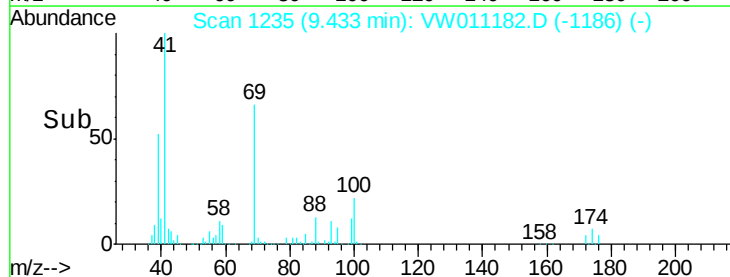
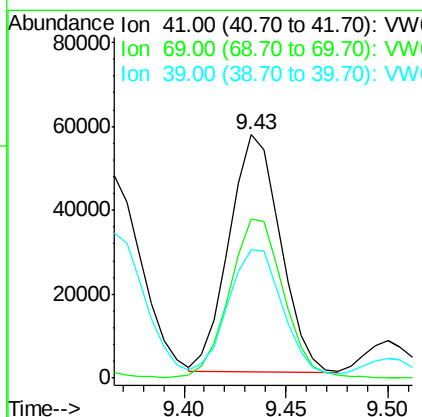
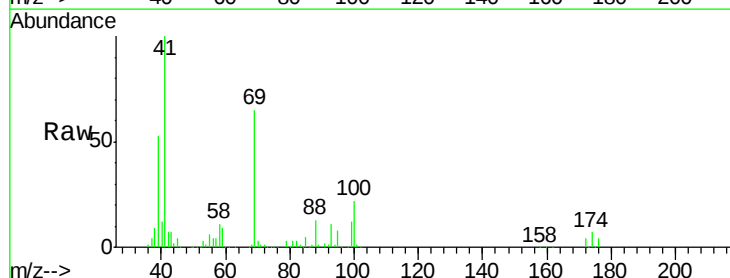
Manual Integrations  
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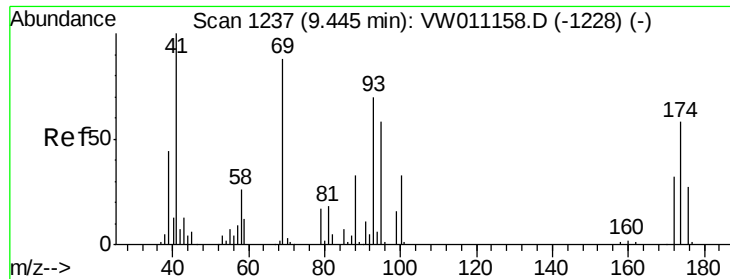
MMDadoda  
7/10/2019 10:47:22 AM



#48  
Methyl methacrylate  
Concen: 48.017 ug/l  
RT: 9.43 min Scan# 1235  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

| Tgt Ion   | 41   | Resp  | 98457 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 69        | 71.5 | 56.0  | 84.0  |
| 39        | 54.4 | 43.5  | 65.3  |





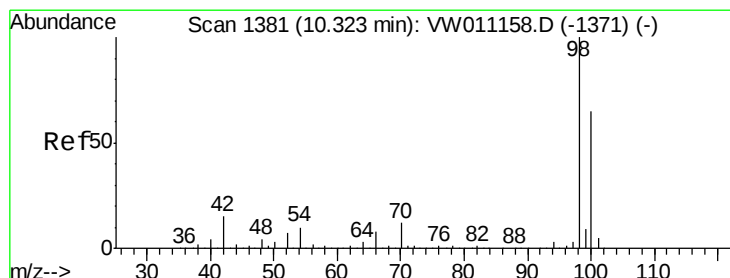
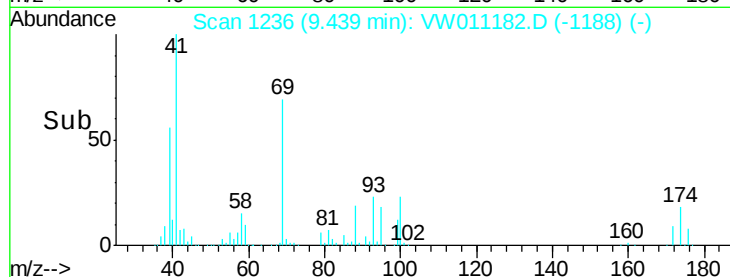
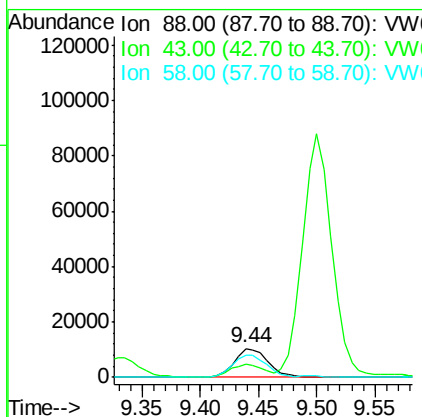
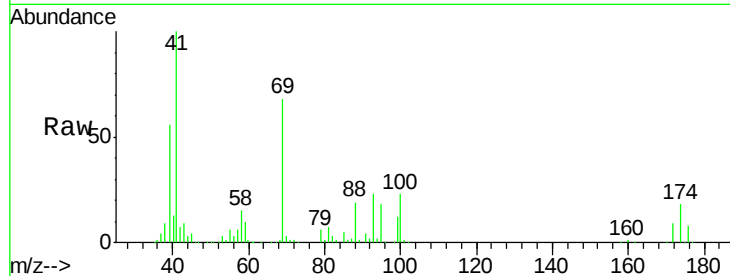
#49  
1,4-Dioxane  
Concen: 942.051 ug/l  
RT: 9.44 min Scan# 1236  
Delta R.T. -0.01 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 43.7  | 33.4  | 50.0  |
| 58      | 81.8  | 64.5  | 96.7  |

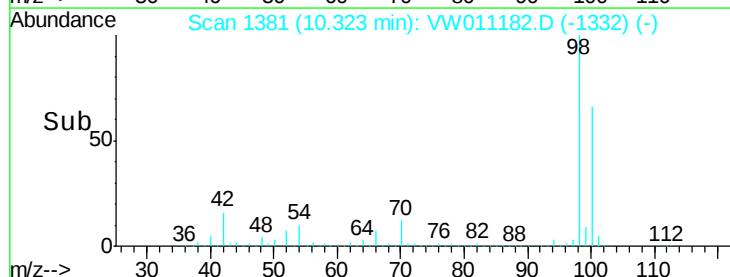
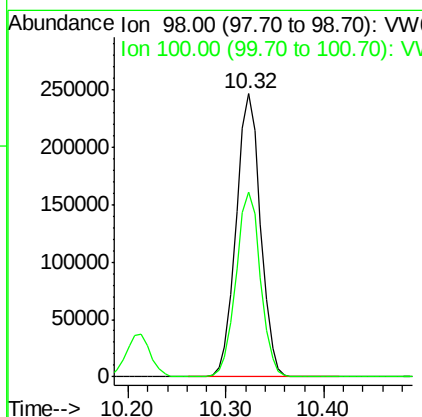
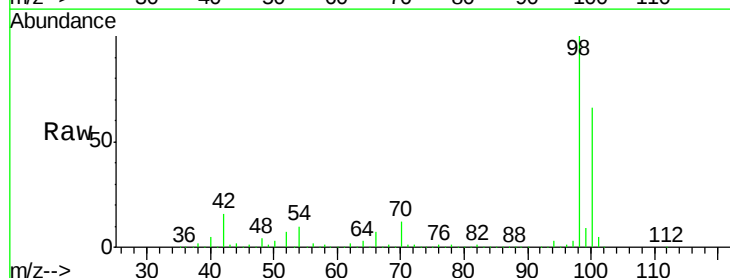
Manual Integrations  
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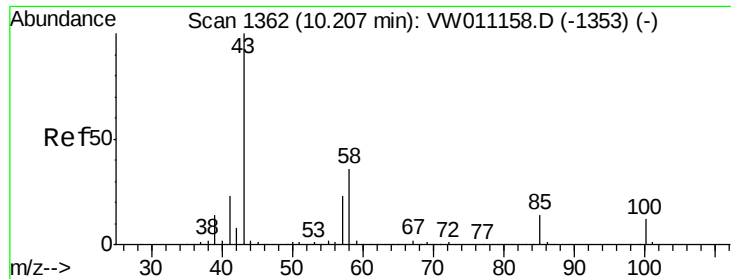
MMDadoda  
7/10/2019 10:47:22 AM



#50  
Toluene-d8  
Concen: 50.155 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.3  | 52.4  | 78.6  |





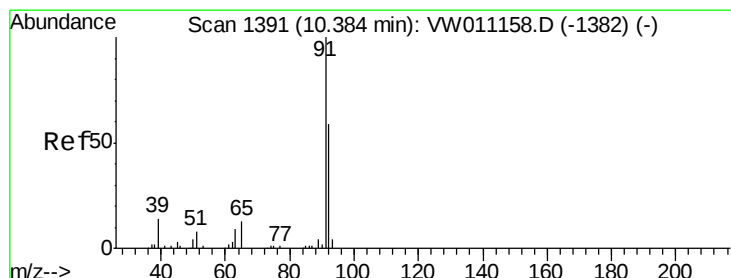
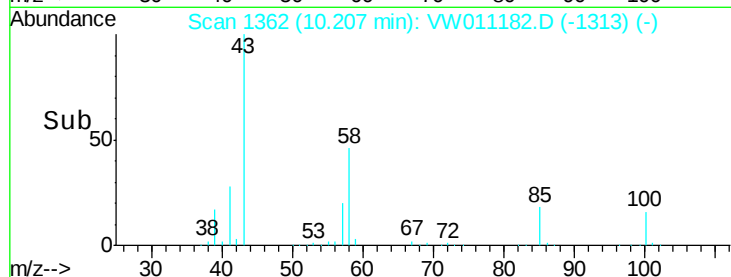
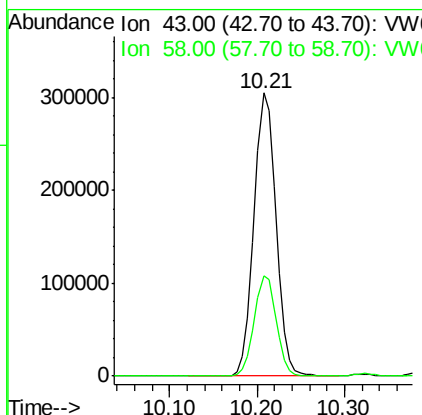
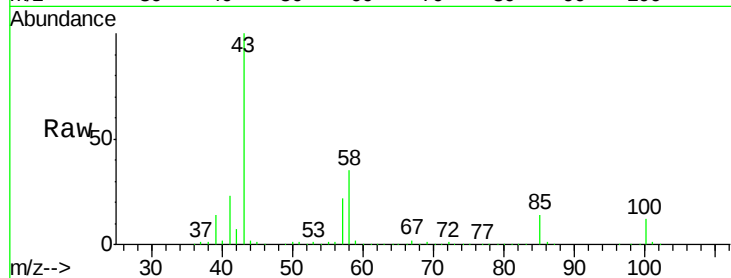
#51  
4-Methyl-2-Pentanone  
Concen: 240.275 ug/l  
RT: 10.21 min Scan# 1362  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 35.5  | 28.2  | 42.2  |

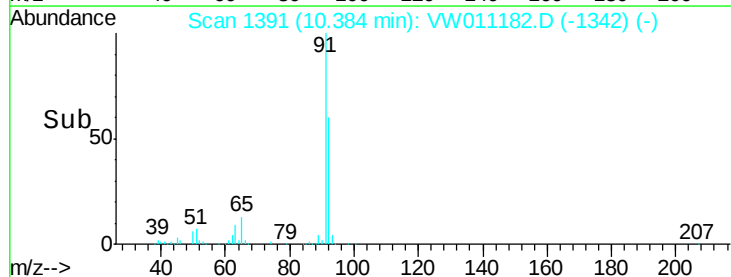
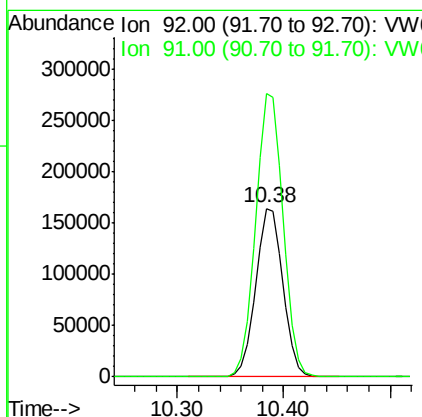
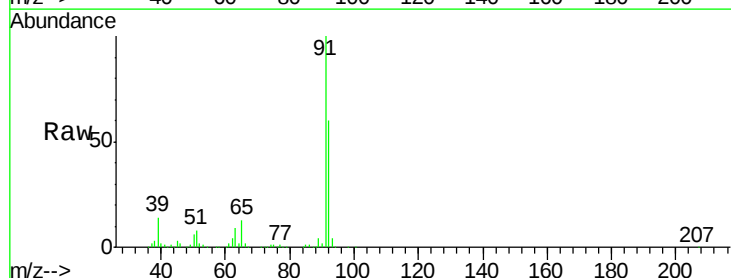
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7/10/2019 10:47:22 AM



#52  
Toluene  
Concen: 46.482 ug/l  
RT: 10.38 min Scan# 1391  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 170.3 | 136.6 | 205.0 |





#53

t-1,3-Dichloropropene

Concen: 46.039 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 165622

Ion Ratio Lower Upper

75 100

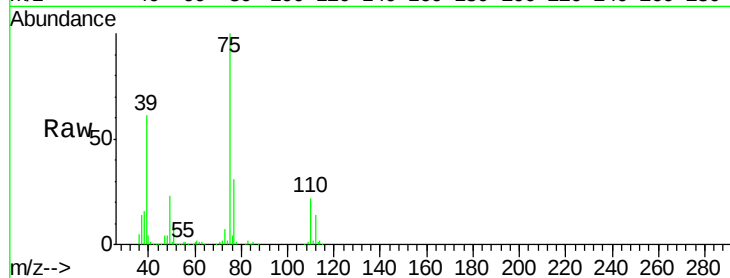
77 30.6 25.4 38.0

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

100000

80000

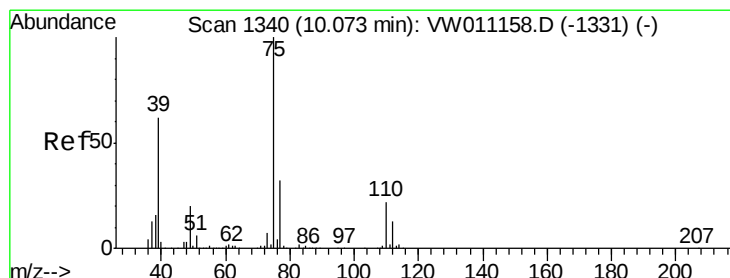
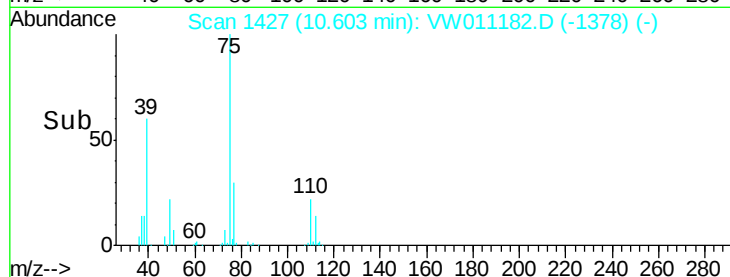
60000

40000

20000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 46.518 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

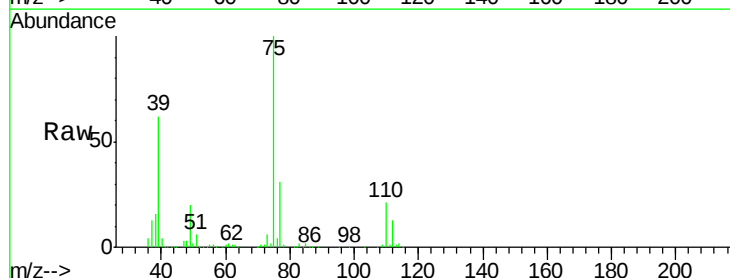
Tgt Ion: 75 Resp: 196974

Ion Ratio Lower Upper

75 100

77 31.1 25.7 38.5

39 61.7 49.8 74.8



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

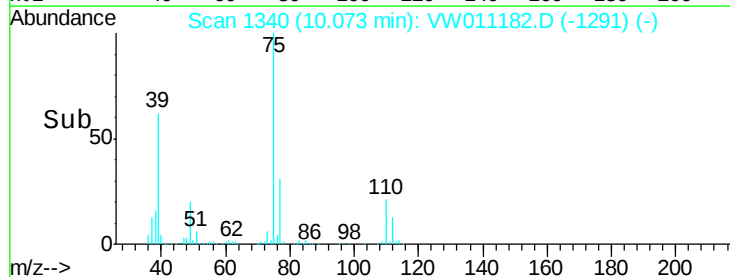
150000

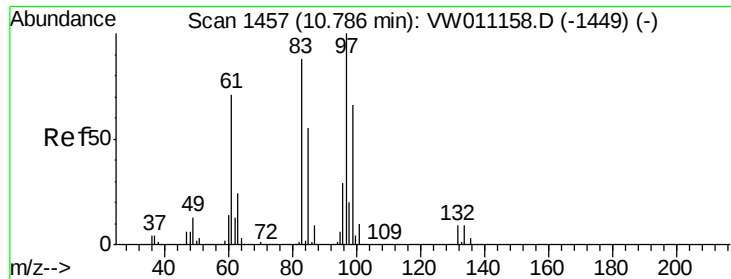
100000

50000

0

Time--> 10.00 10.10





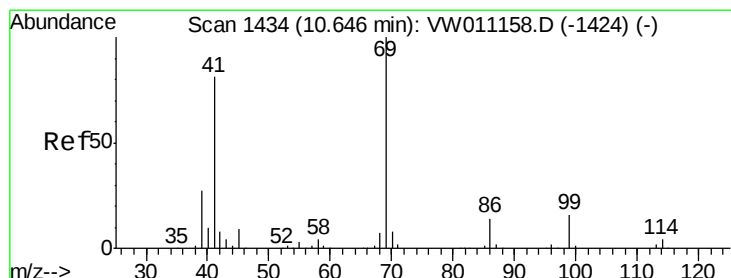
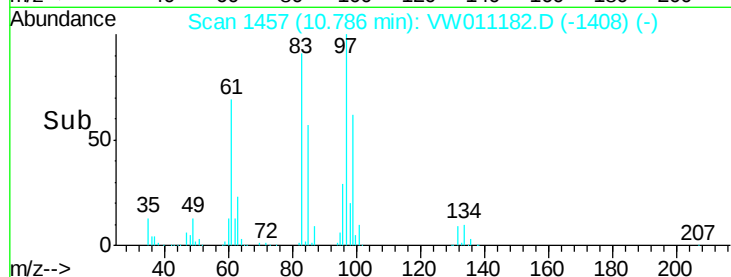
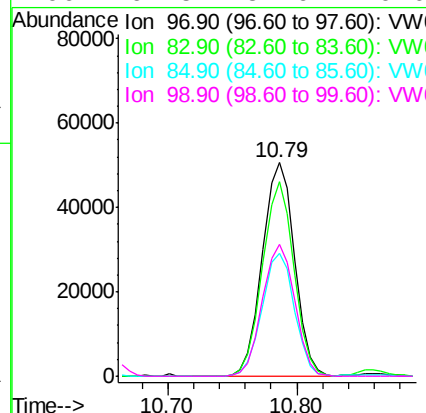
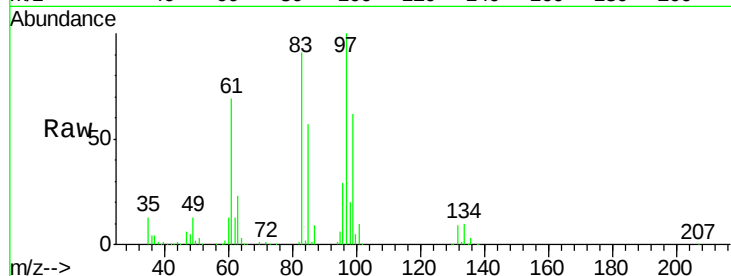
#55  
 1,1,2-Trichloroethane  
 Concen: 46.976 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. -0.00 min  
 Lab File: VW011182.D  
 Acq: 09 Jul 2019 17:00

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 91.2  | 70.2  | 105.4 |
| 85      | 57.3  | 44.2  | 66.2  |
| 99      | 61.5  | 52.6  | 79.0  |

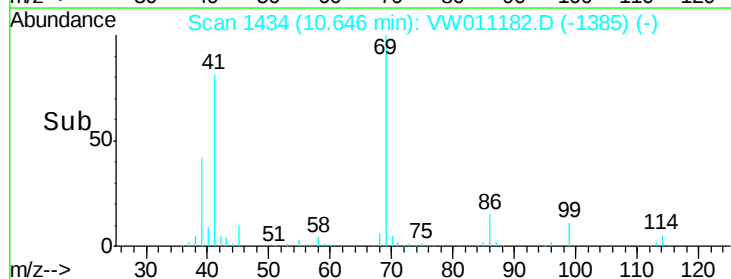
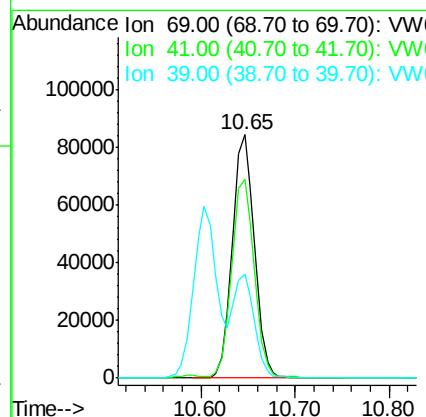
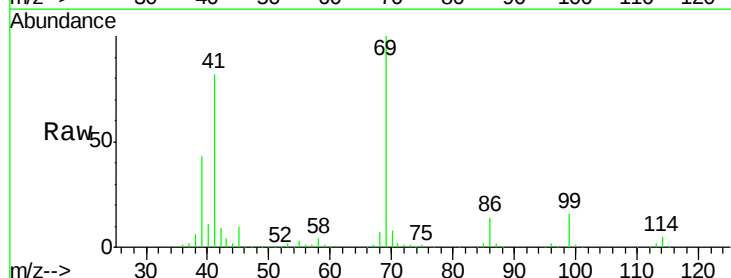
Manual Integrations  
 APPROVED

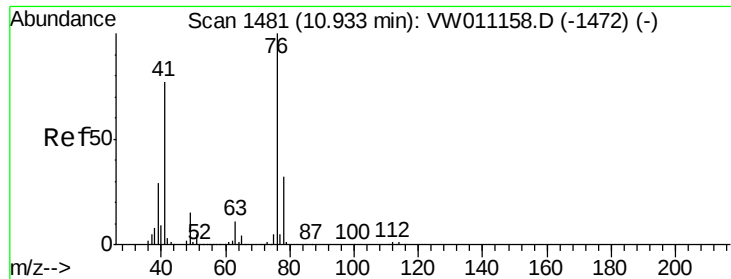
MMDadoda  
 7/10/2019 10:47:22 AM



#56  
 Ethyl methacrylate  
 Concen: 48.338 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. 0.00 min  
 Lab File: VW011182.D  
 Acq: 09 Jul 2019 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 82.8  | 66.5  | 99.7  |
| 39      | 40.2  | 32.5  | 48.7  |





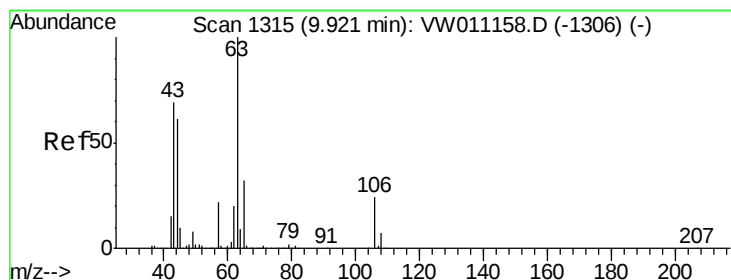
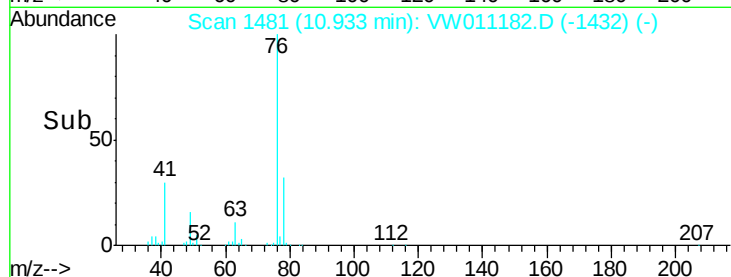
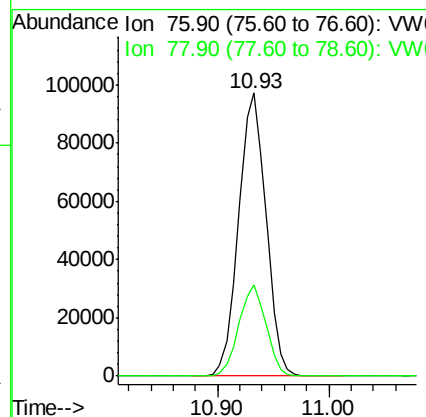
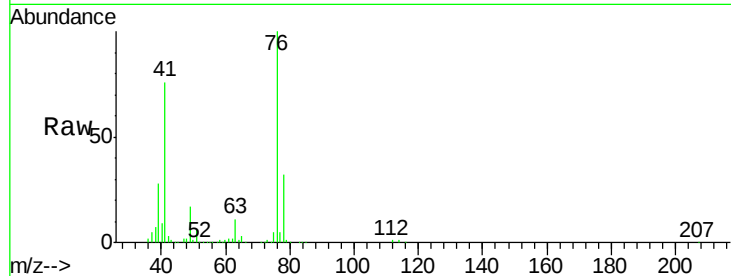
#57  
 1,3-Dichloropropane  
 Concen: 46.828 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. 0.00 min  
 Lab File: VW011182.D  
 Acq: 09 Jul 2019 17:00

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 76 Resp: 165934  
 Ion Ratio Lower Upper  
 76 100  
 78 32.1 26.2 39.2

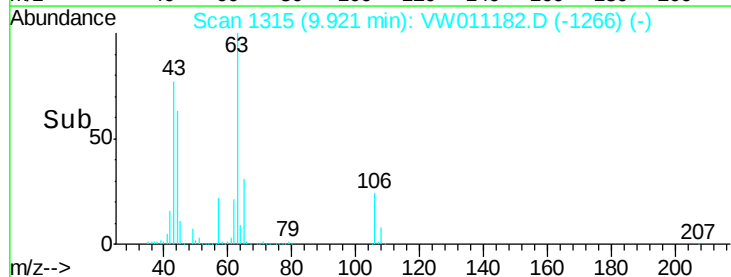
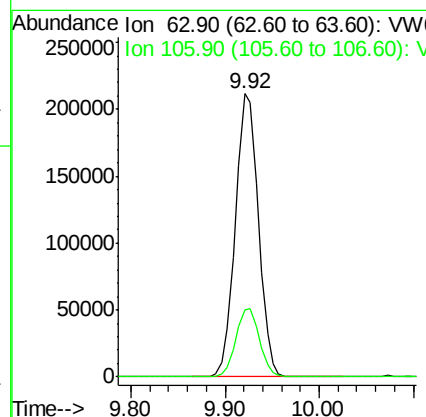
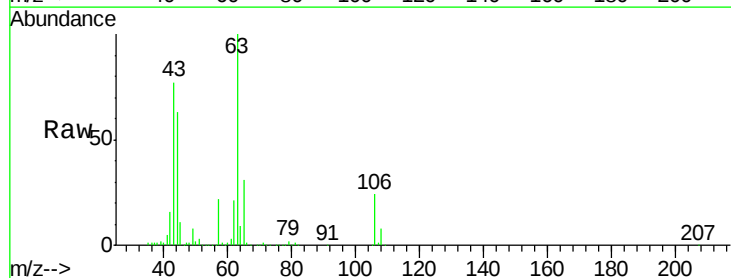
Manual Integrations  
 APPROVED

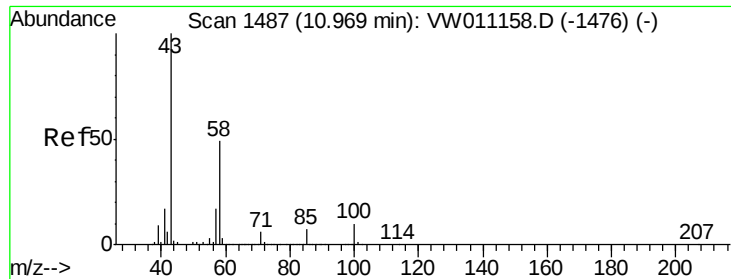
MMDadoda  
 7/10/2019 10:47:22 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 272.716 ug/l  
 RT: 9.92 min Scan# 1315  
 Delta R.T. -0.00 min  
 Lab File: VW011182.D  
 Acq: 09 Jul 2019 17:00

Tgt Ion: 63 Resp: 360697  
 Ion Ratio Lower Upper  
 63 100  
 106 24.5 19.4 29.0





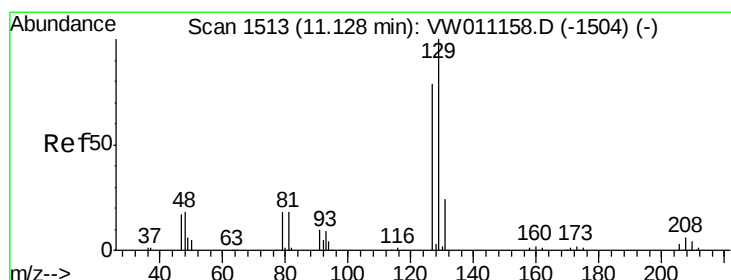
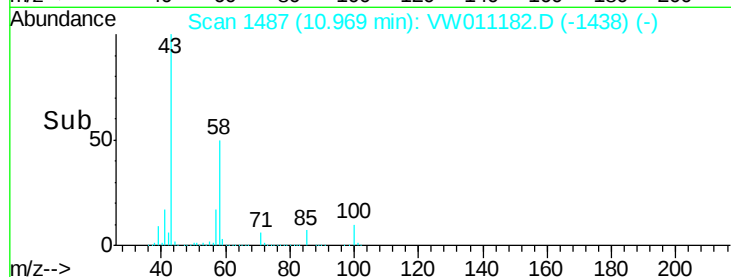
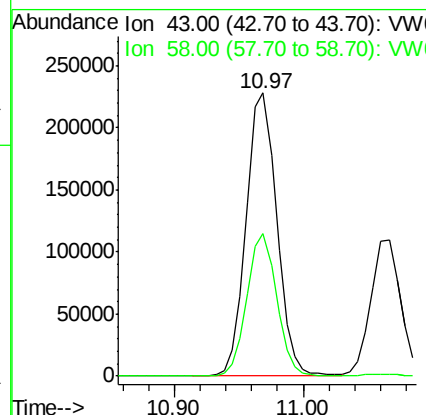
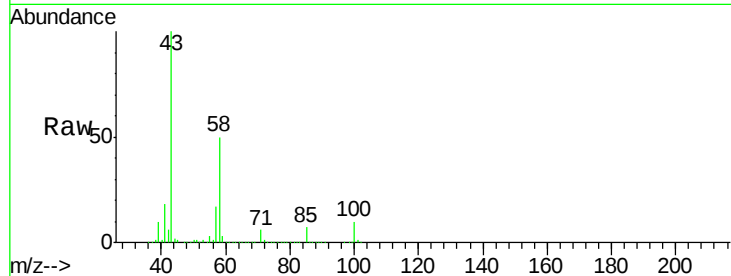
#59  
2-Hexanone  
Concen: 242.986 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 375172  
Ion Ratio Lower Upper  
43 100  
58 49.1 24.4 73.4

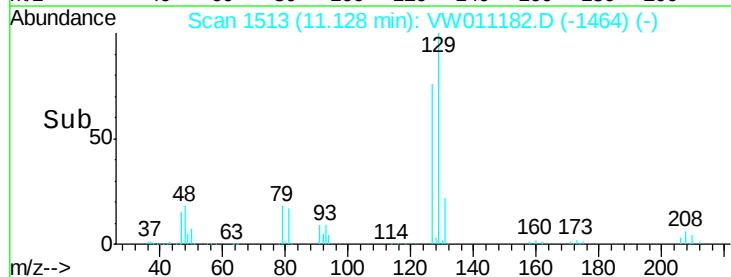
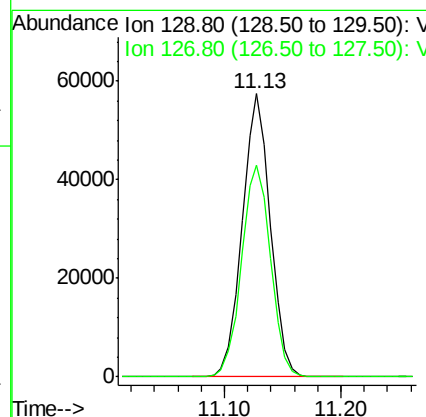
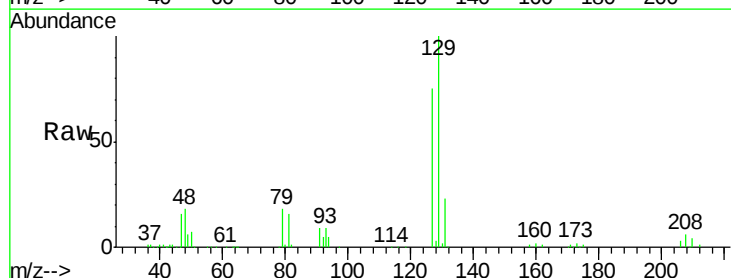
Manual Integrations  
APPROVED

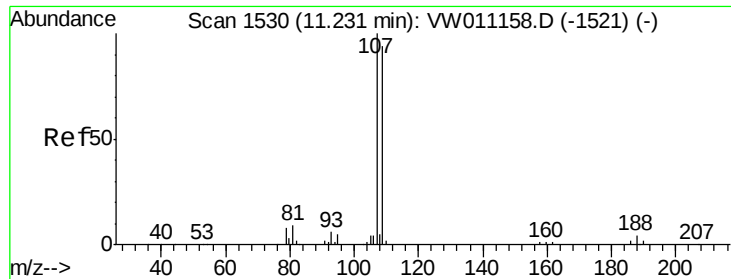
MMDadoda  
7/10/2019 10:47:22 AM



#60  
Dibromochloromethane  
Concen: 46.923 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

Tgt Ion: 129 Resp: 96419  
Ion Ratio Lower Upper  
129 100  
127 77.4 39.1 117.3





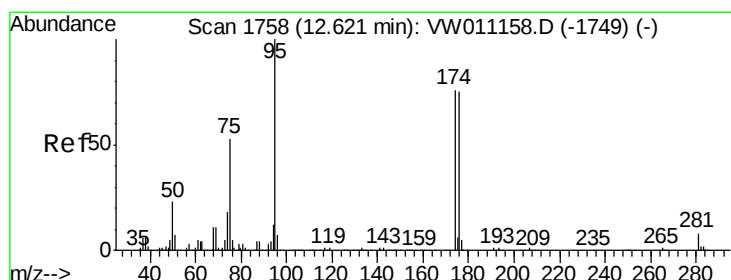
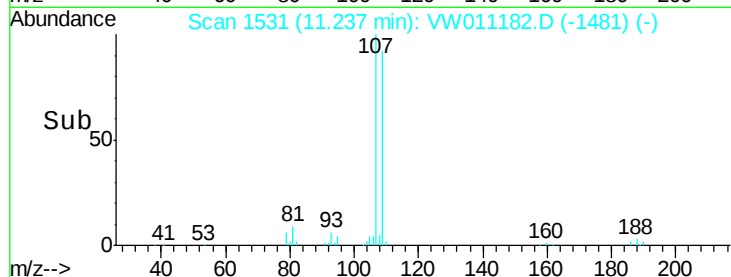
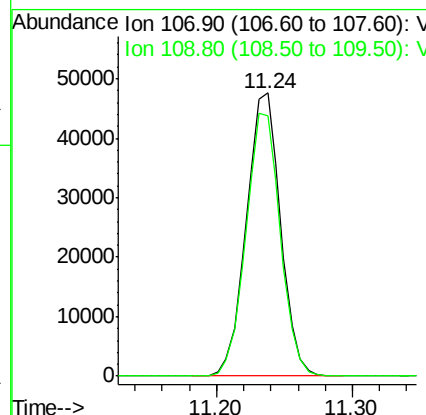
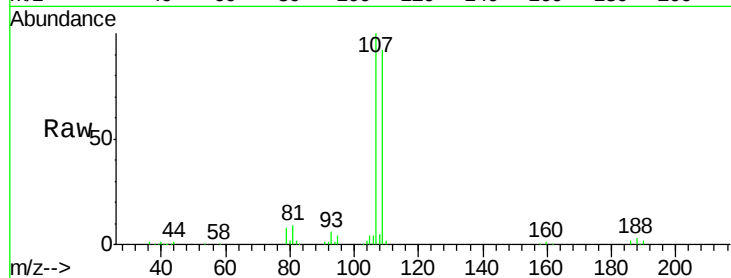
#61  
 1,2-Dibromoethane  
 Concen: 47.082 ug/l  
 RT: 11.24 min Scan# 1531  
 Delta R.T. 0.01 min  
 Lab File: VW011182.D  
 Acq: 09 Jul 2019 17:00

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 107 Resp: 83570  
 Ion Ratio Lower Upper  
 107 100  
 109 93.6 75.2 112.8

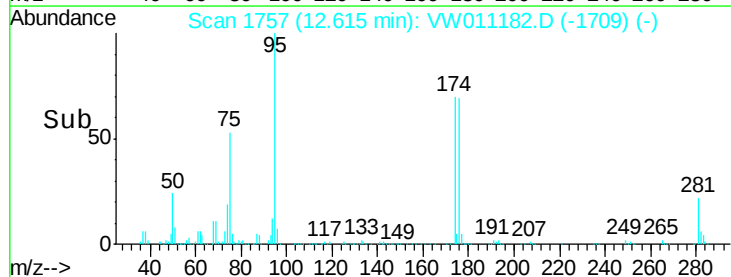
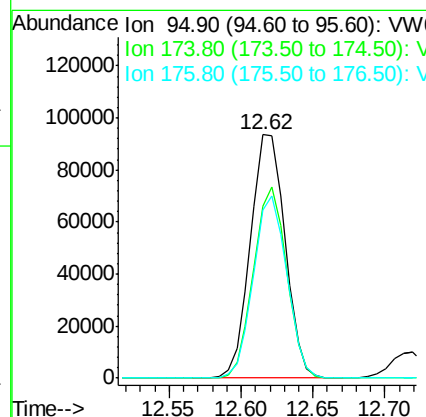
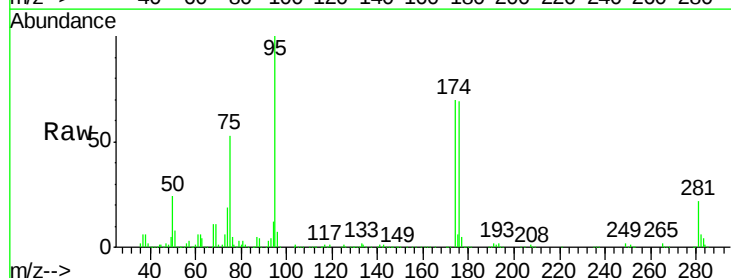
Manual Integrations  
 APPROVED

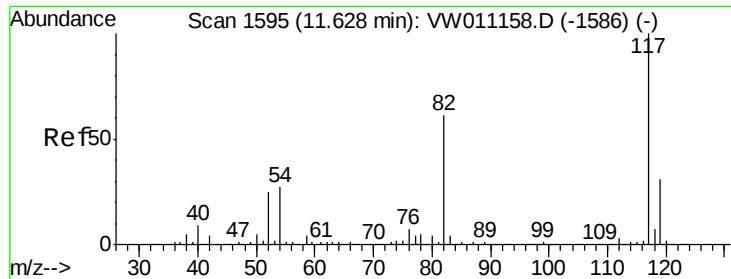
MMDadoda  
 7/10/2019 10:47:22 AM



#62  
 4-Bromofluorobenzene  
 Concen: 49.914 ug/l  
 RT: 12.62 min Scan# 1757  
 Delta R.T. -0.01 min  
 Lab File: VW011182.D  
 Acq: 09 Jul 2019 17:00

Tgt Ion: 95 Resp: 155522  
 Ion Ratio Lower Upper  
 95 100  
 174 75.0 0.0 147.6  
 176 72.3 0.0 144.6





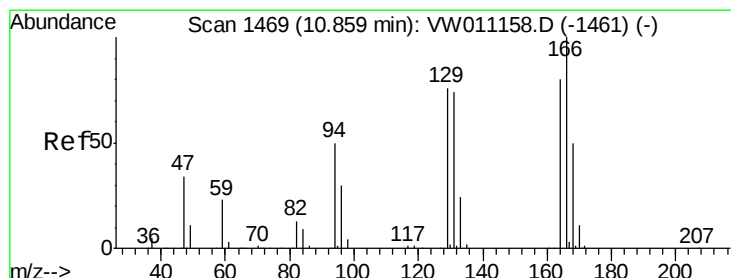
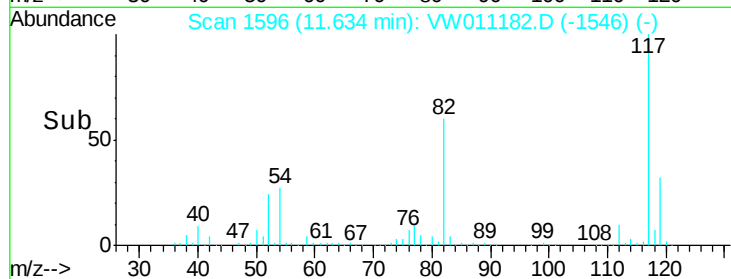
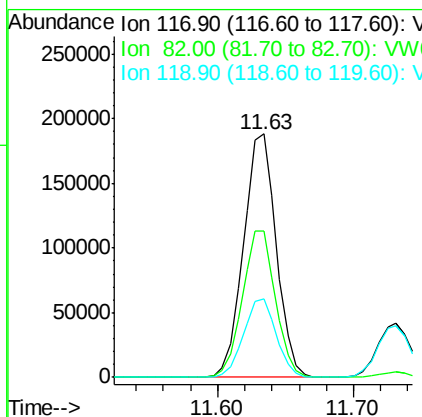
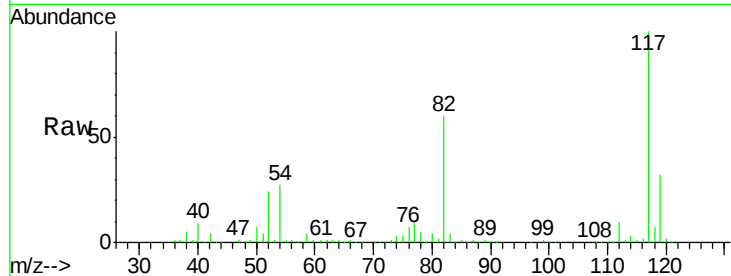
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.01 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 60.0  | 48.9  | 73.3  |
| 119     | 32.0  | 25.0  | 37.6  |

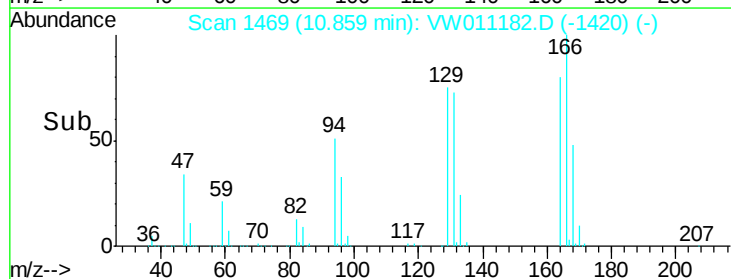
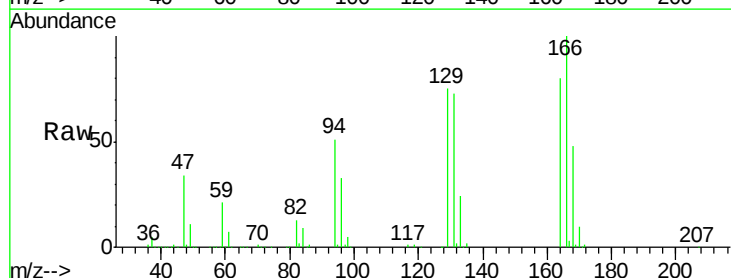
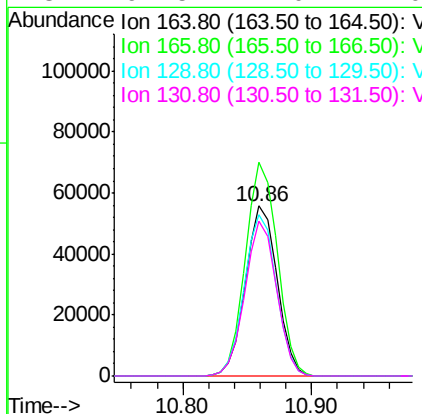
Manual Integrations  
APPROVED

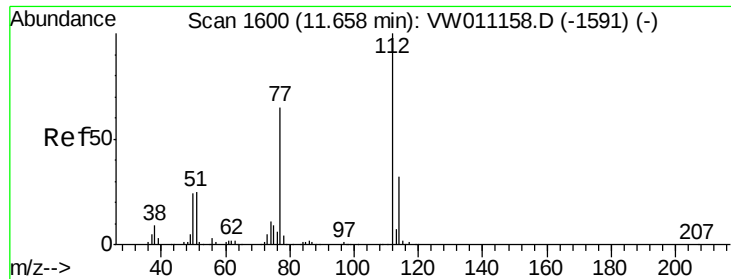
MMDadoda  
7/10/2019 10:47:22 AM



#64  
Tetrachloroethene  
Concen: 44.386 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 125.7 | 99.7  | 149.5 |
| 129     | 94.8  | 76.2  | 114.2 |
| 131     | 91.5  | 74.0  | 111.0 |





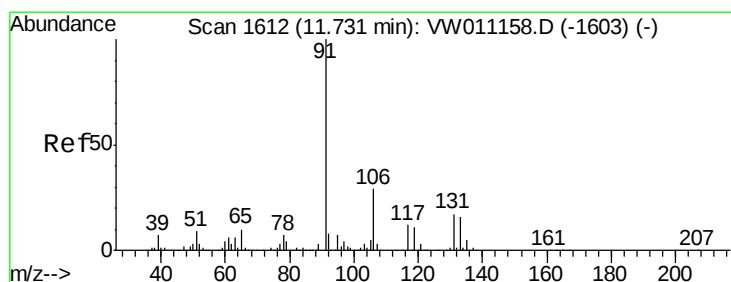
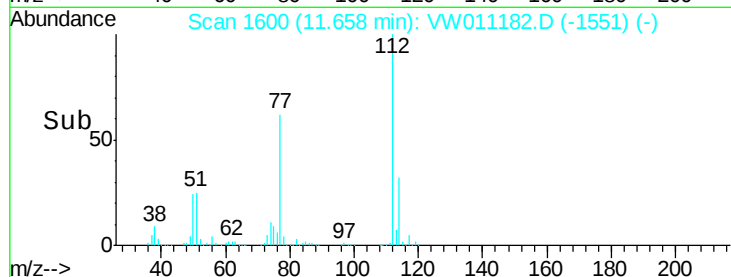
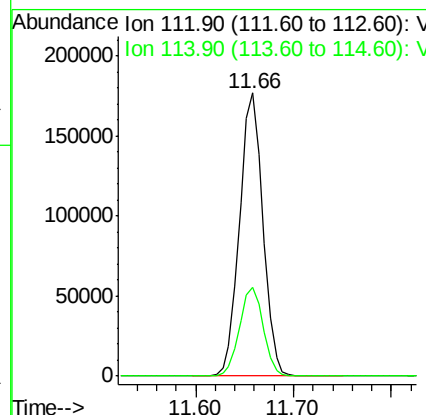
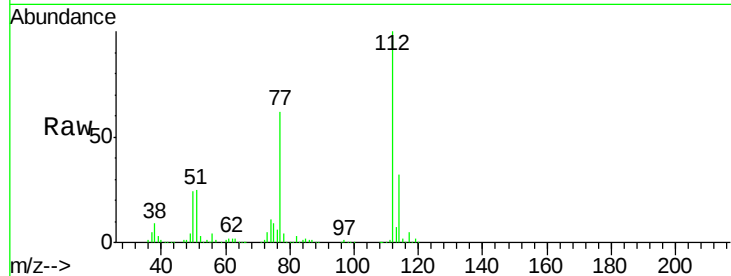
#65  
Chlorobenzene  
Concen: 45.624 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.5  | 25.5  | 38.3  |

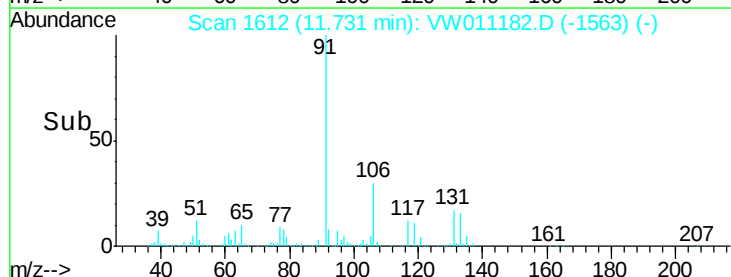
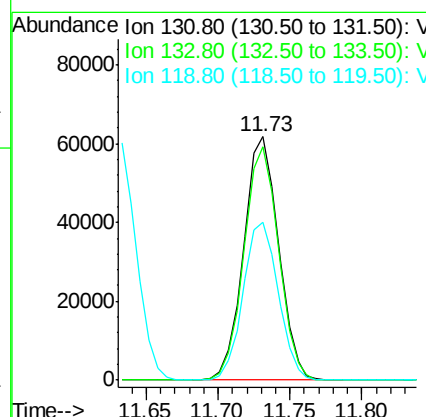
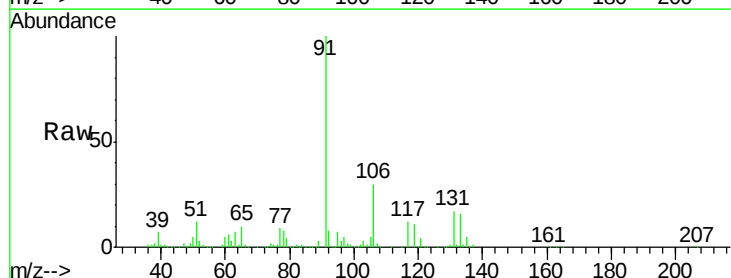
Manual Integrations  
APPROVED

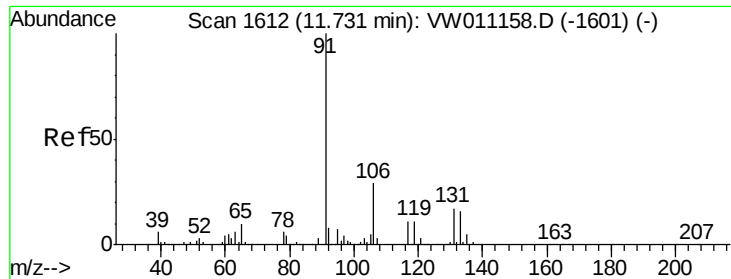
MMDadoda  
7/10/2019 10:47:22 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 45.671 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 95.4  | 47.9  | 143.8 |
| 119     | 65.5  | 33.1  | 99.2  |





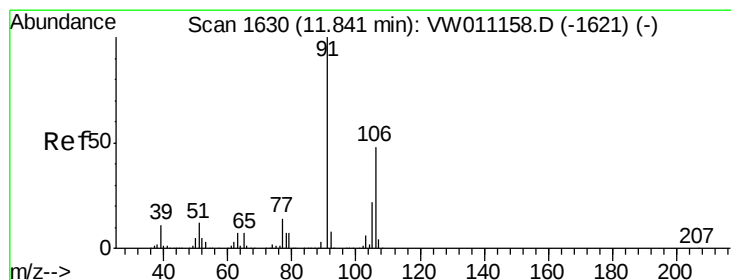
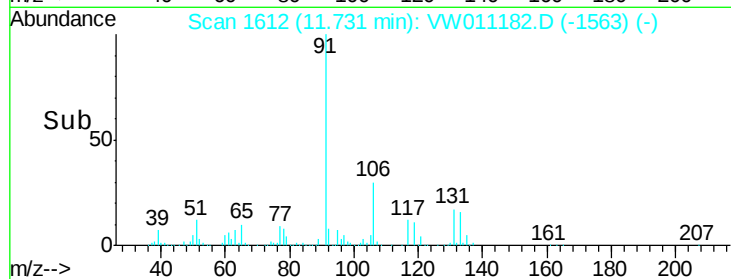
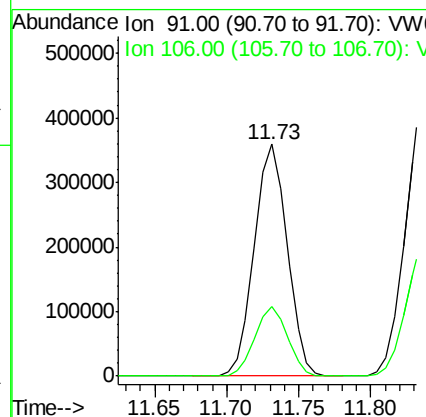
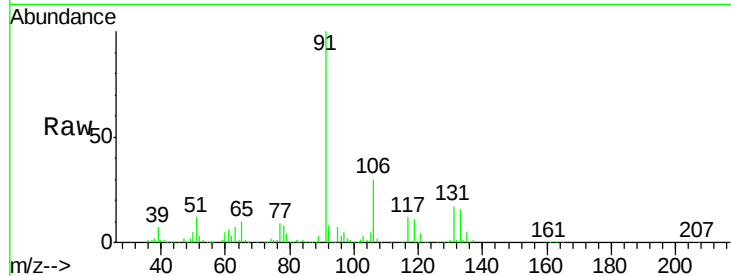
#67  
Ethyl Benzene  
Concen: 46.094 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 30.2  | 23.5  | 35.3  |

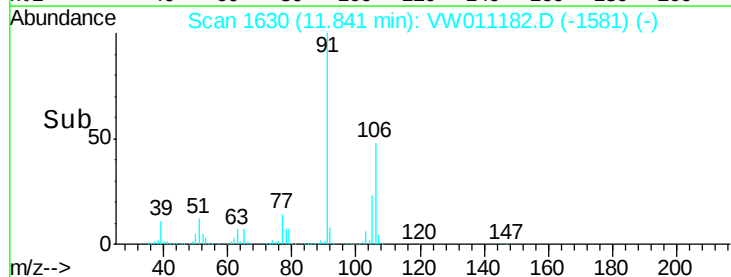
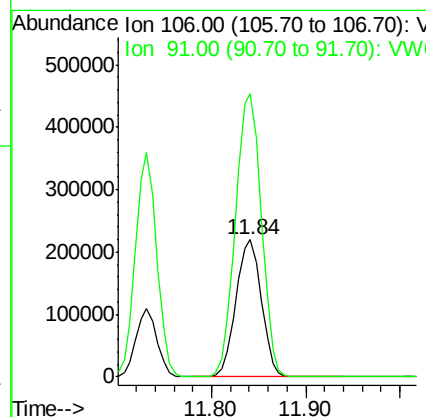
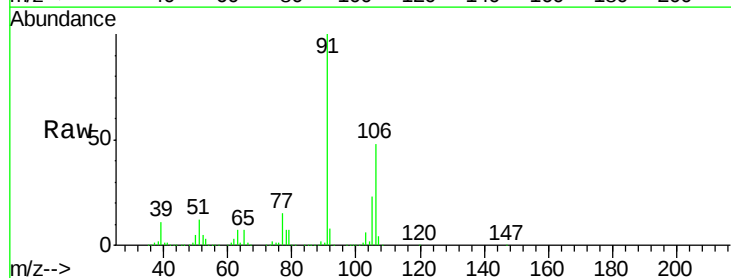
Manual Integrations  
APPROVED

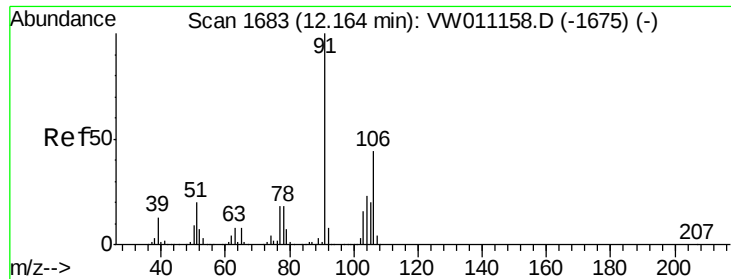
MMDadoda  
7/10/2019 10:47:22 AM



#68  
m/p-Xylenes  
Concen: 92.399 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 209.8 | 167.7 | 251.5 |





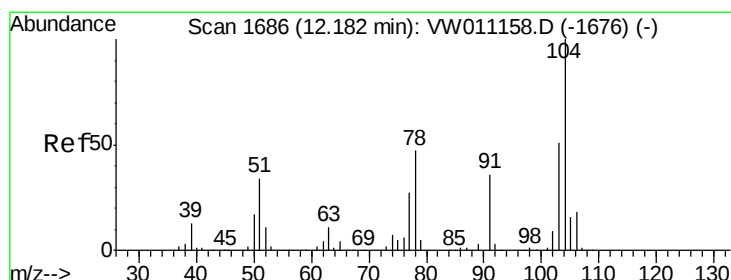
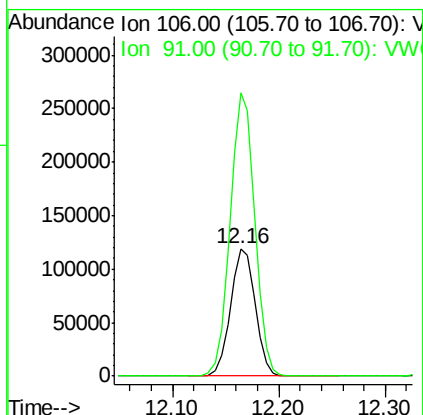
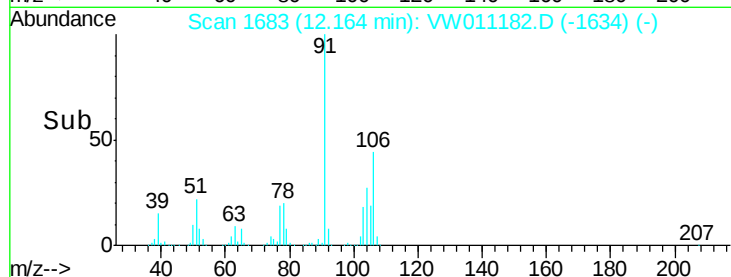
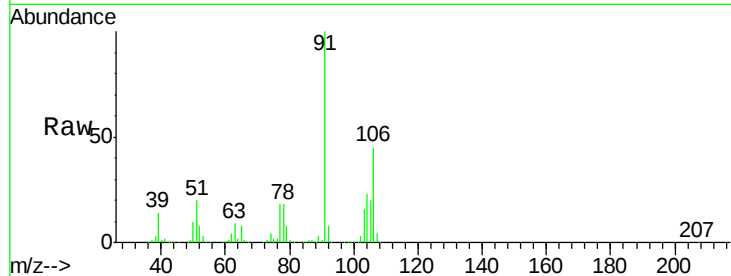
#69  
o-Xylene  
Concen: 46.108 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:106 Resp: 193833  
Ion Ratio Lower Upper  
106 100  
91 221.0 110.7 332.1

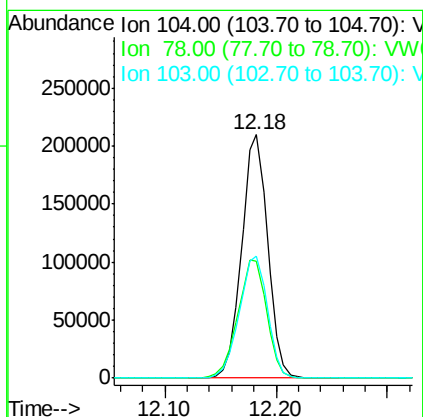
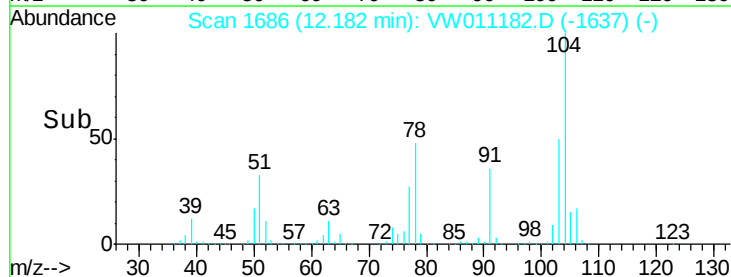
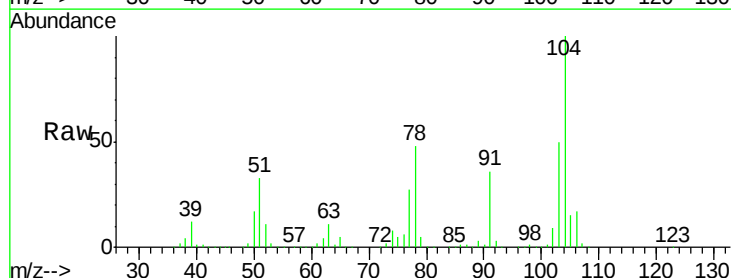
Manual Integrations  
APPROVED

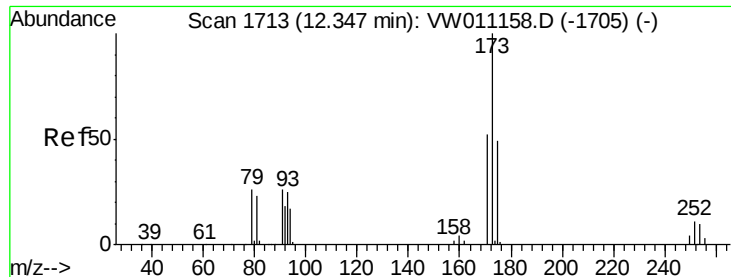
MMDadoda  
7/10/2019 10:47:22 AM



#70  
Styrene  
Concen: 46.821 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

Tgt Ion:104 Resp: 339700  
Ion Ratio Lower Upper  
104 100  
78 53.8 43.1 64.7  
103 54.3 44.1 66.1





#71

Bromoform

Concen: 44.491 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 53631

Ion Ratio Lower Upper

173 100

175 48.1 24.8 74.3

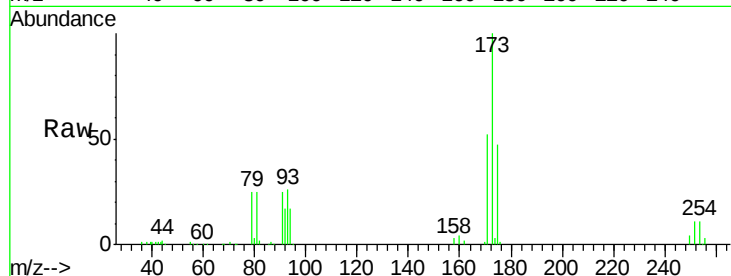
254 0.2 0.0 0.0#

Manual Integrations

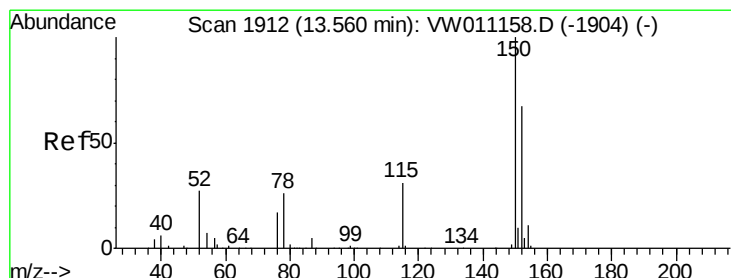
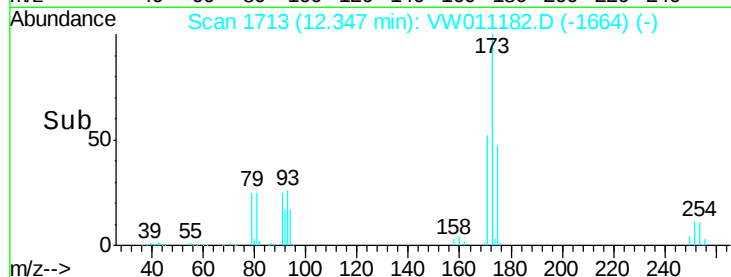
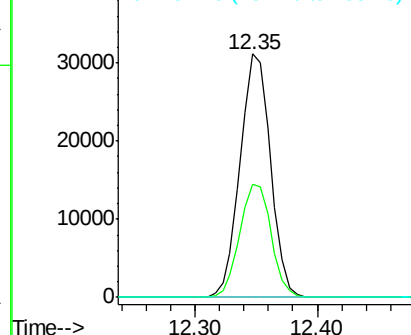
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Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

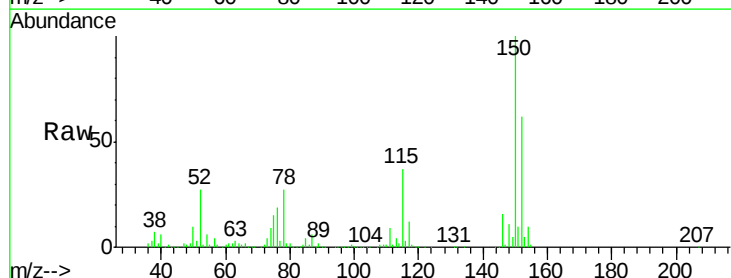
Tgt Ion:152 Resp: 154055

Ion Ratio Lower Upper

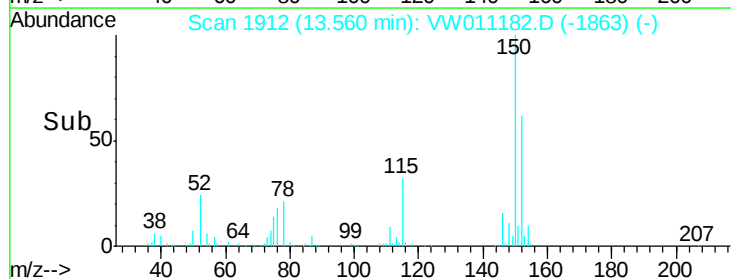
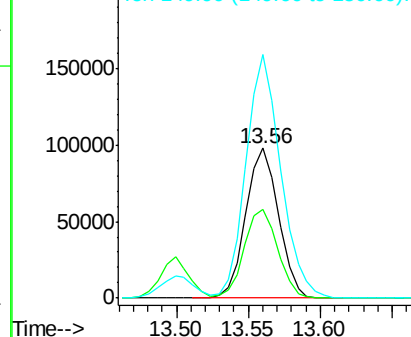
152 100

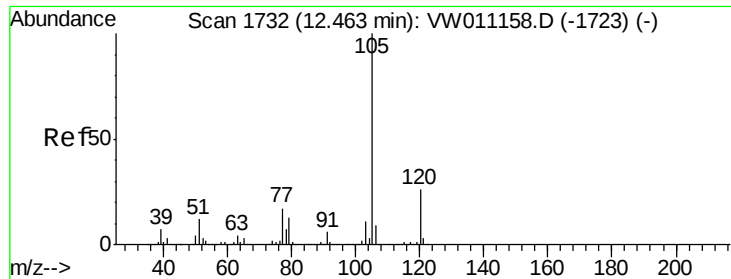
115 60.9 30.1 90.3

150 173.1 0.0 346.0



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





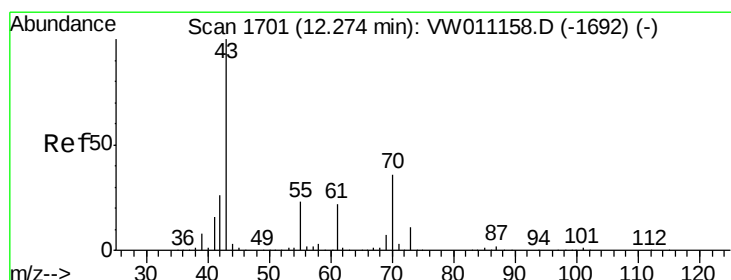
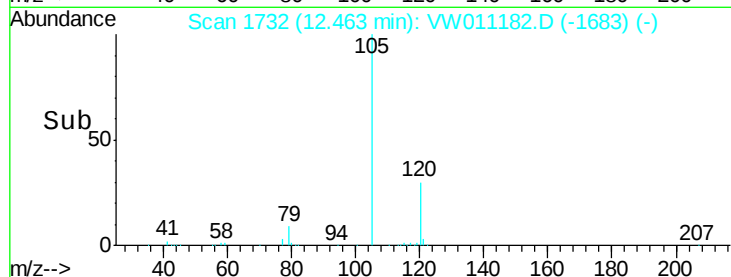
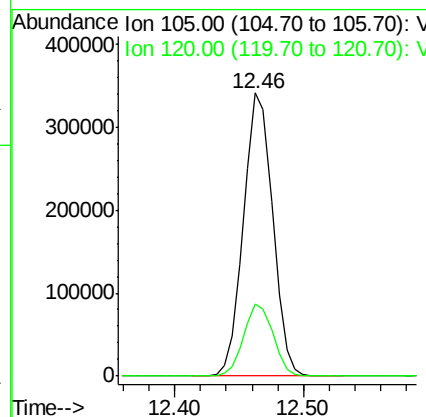
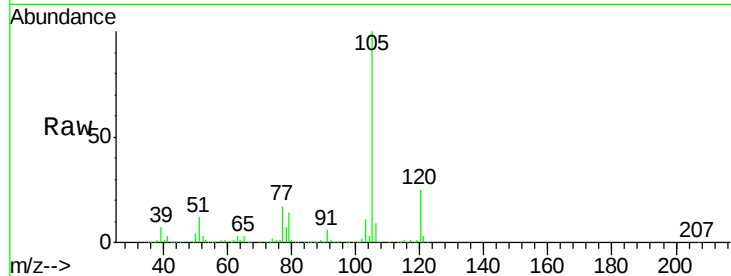
#73  
Isopropylbenzene  
Concen: 46.343 ug/l  
RT: 12.46 min Scan# 1732  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 25.6  | 12.8  | 38.3  |

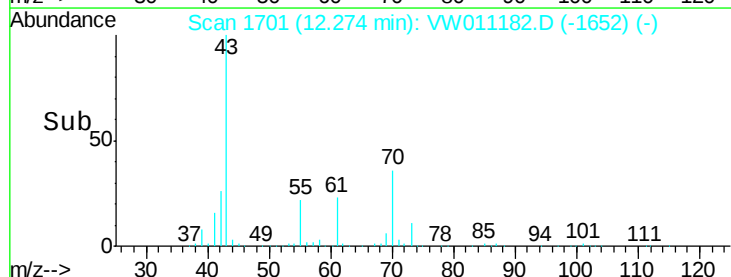
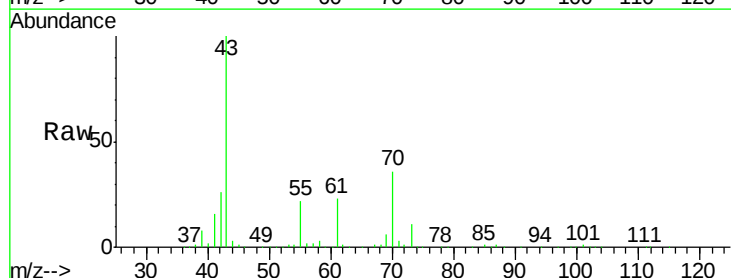
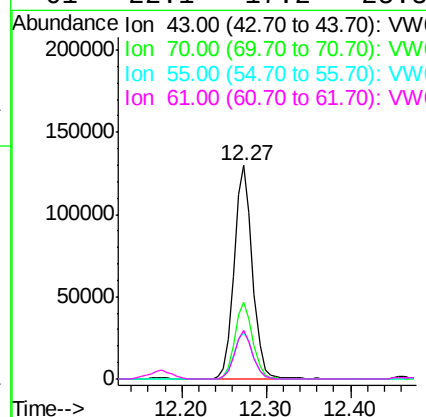
Manual Integrations  
APPROVED

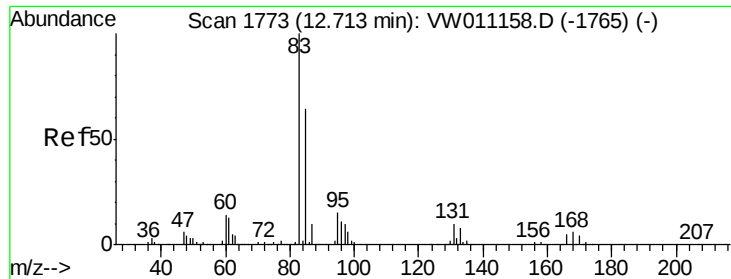
MMDadoda  
7/10/2019 10:47:22 AM



#74  
N-ethyl acetate  
Concen: 47.529 ug/l  
RT: 12.27 min Scan# 1701  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 35.5  | 28.5  | 42.7  |
| 55      | 22.8  | 18.1  | 27.1  |
| 61      | 22.1  | 17.2  | 25.8  |





#75

1,1,2,2-Tetrachloroethane

Concen: 46.542 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

Instrument :

MSVOA\_W

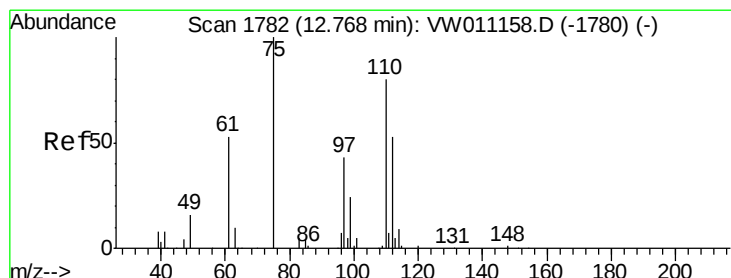
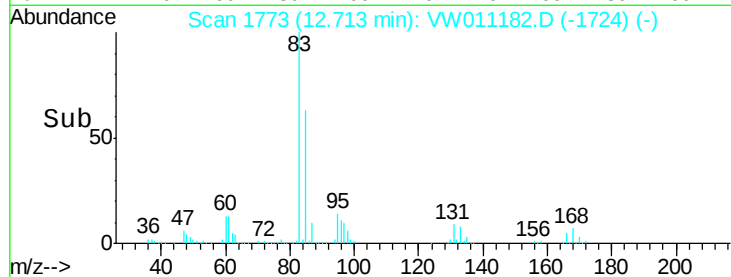
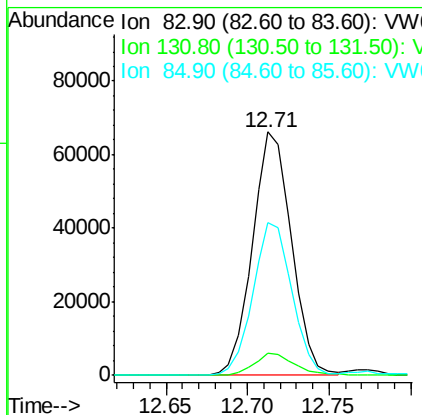
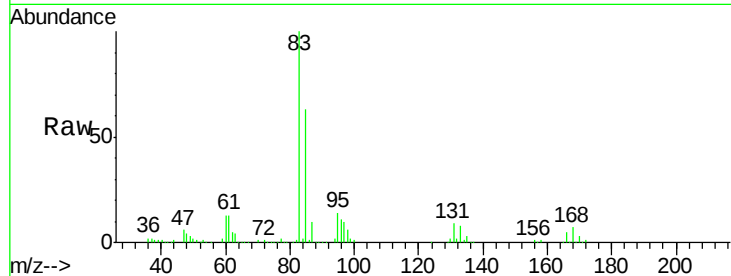
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 109870 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.5   | 5.0   | 15.0   |
| 85        | 62.7  | 31.6  | 94.8   |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 44.092 ug/l m

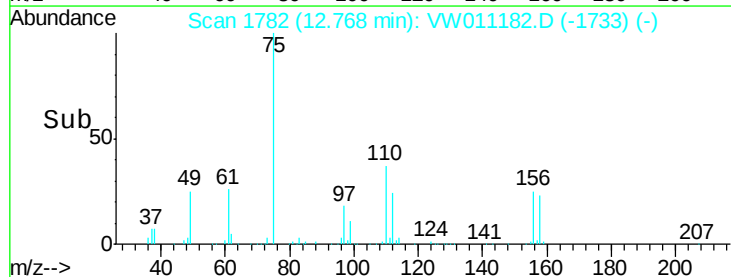
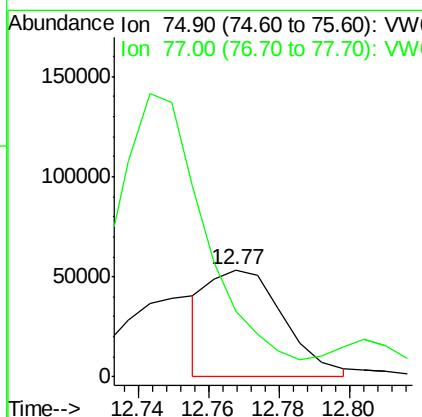
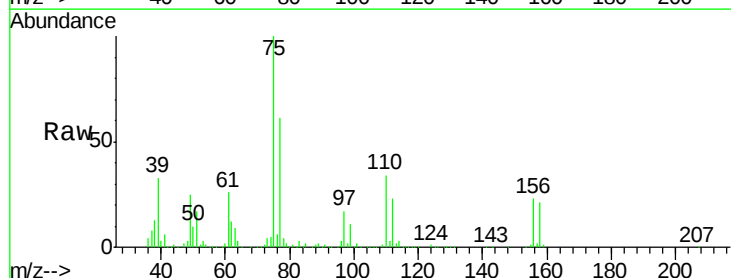
RT: 12.77 min Scan# 1782

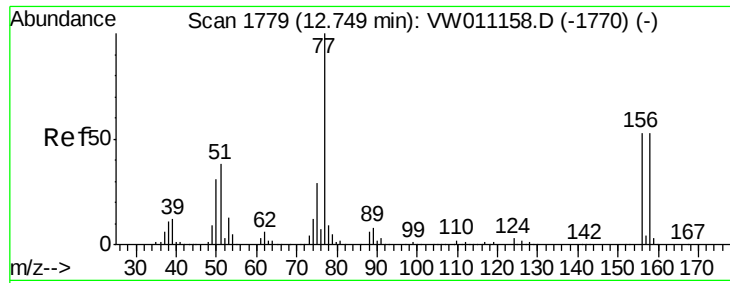
Delta R.T. -0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 78497 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 46.042 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 118992

Ion Ratio Lower Upper

156 100

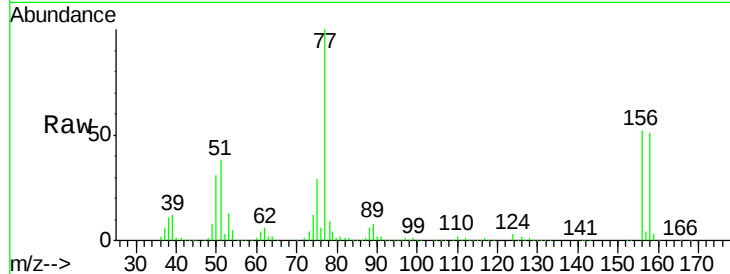
77 215.9 109.0 327.0

158 97.6 48.8 146.3

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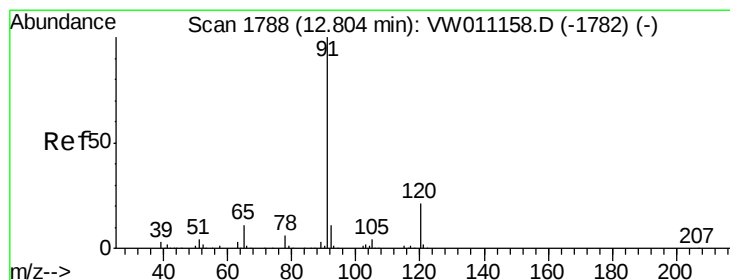
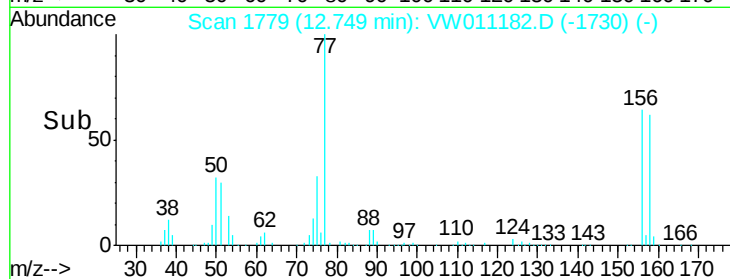
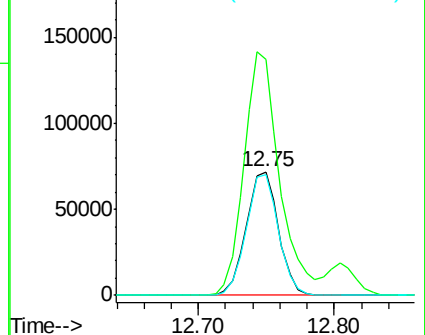
7/10/2019 10:47:22 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.487 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011182.D

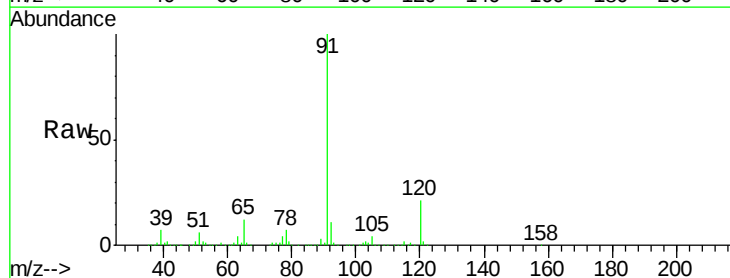
Acq: 09 Jul 2019 17:00

Tgt Ion: 91 Resp: 659474

Ion Ratio Lower Upper

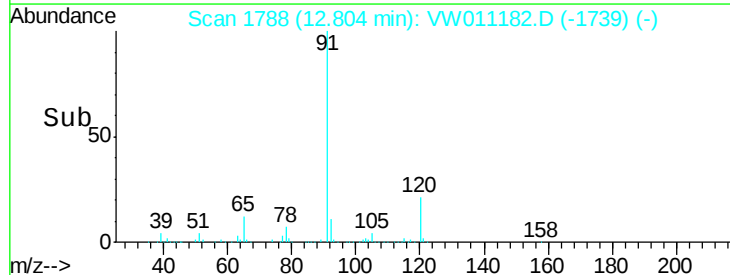
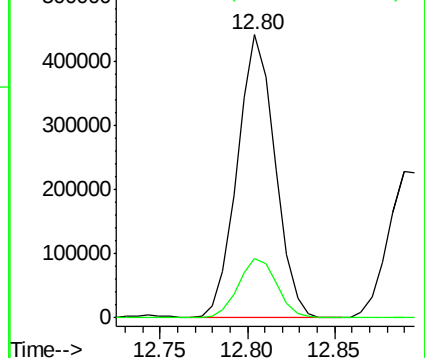
91 100

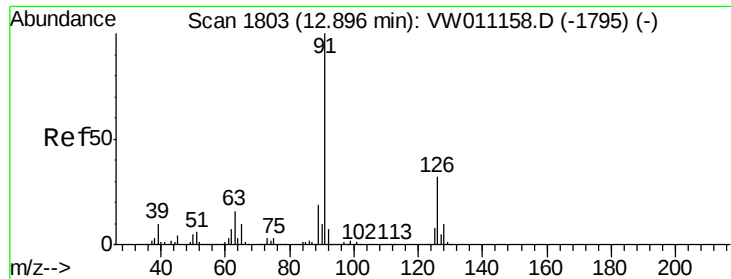
120 21.6 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





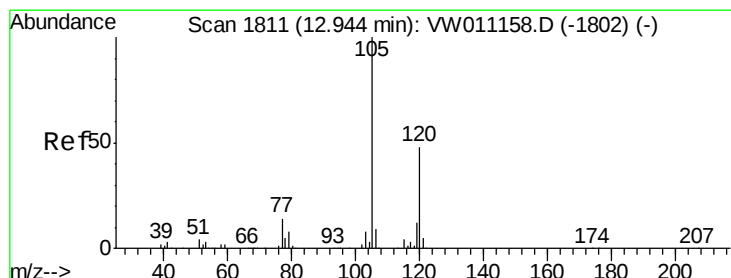
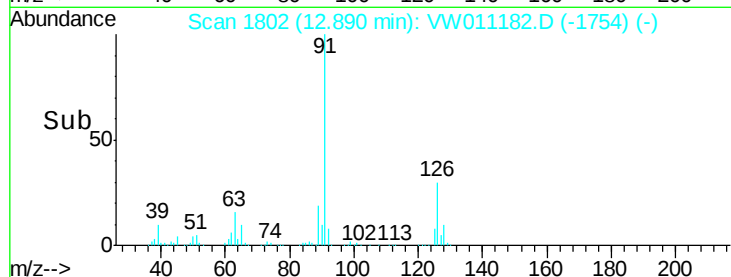
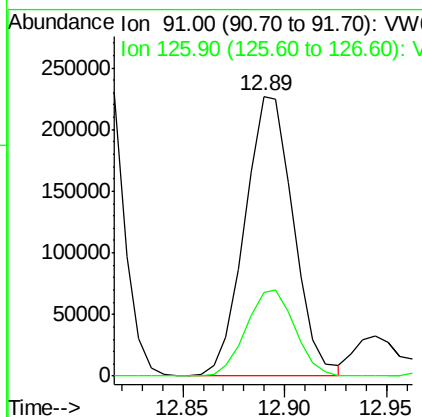
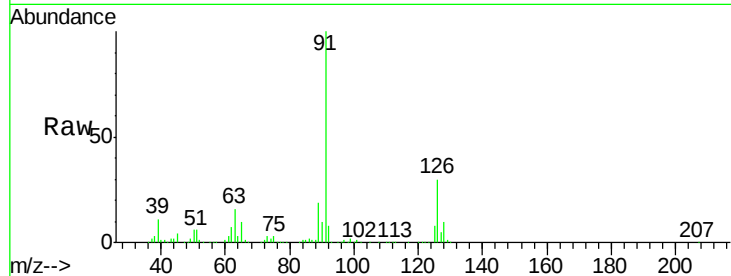
#79  
2-Chlorotoluene  
Concen: 46.071 ug/l  
RT: 12.89 min Scan# 1802  
Delta R.T. -0.01 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 31.0  | 15.8  | 47.3  |

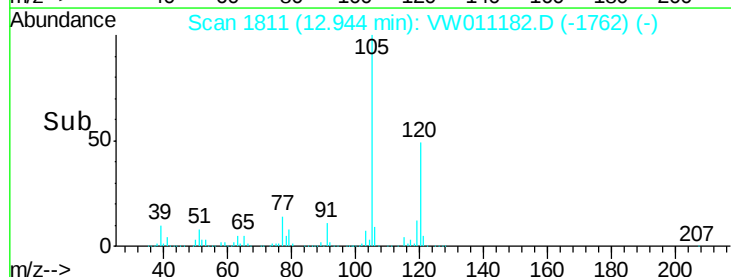
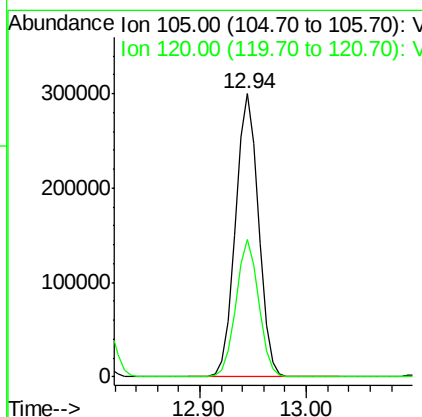
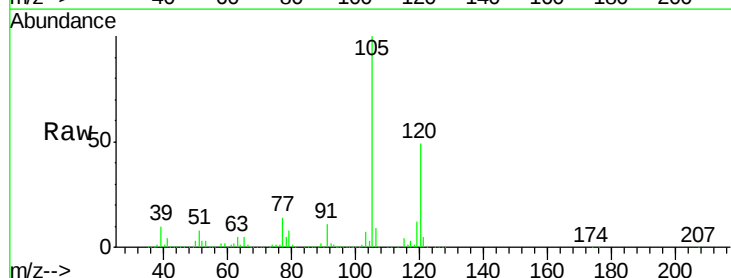
Manual Integrations  
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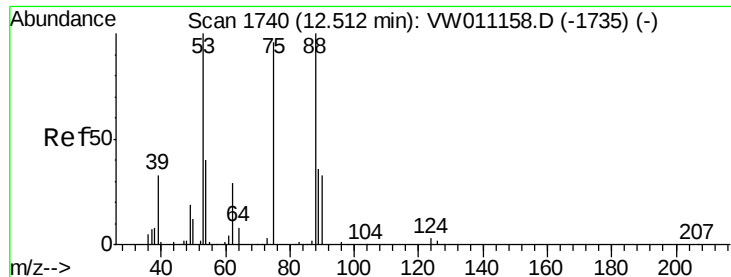
MMDadoda  
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#80  
1,3,5-Trimethylbenzene  
Concen: 46.507 ug/l  
RT: 12.94 min Scan# 1811  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 48.0  | 24.1  | 72.2  |





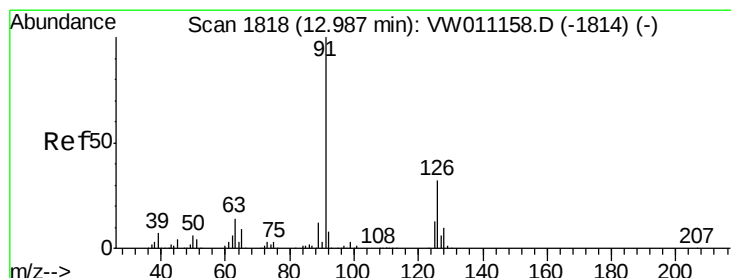
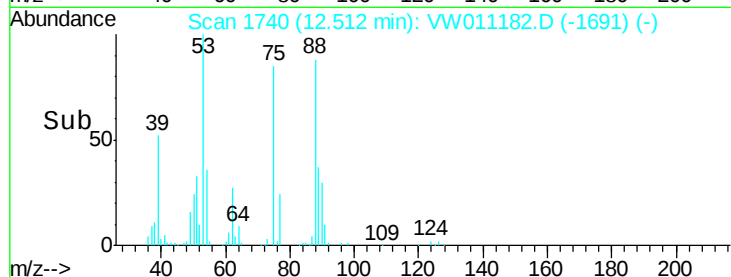
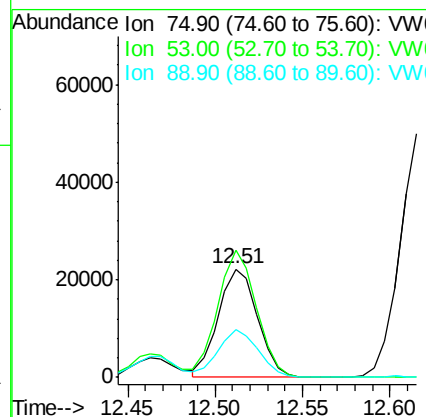
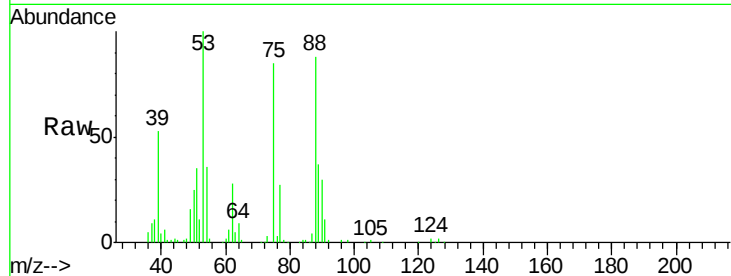
#81  
trans-1,4-Dichloro-2-butene  
Concen: 43.947 ug/l  
RT: 12.51 min Scan# 1740  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 116.4 | 89.8  | 134.6 |
| 89      | 44.4  | 34.3  | 51.5  |

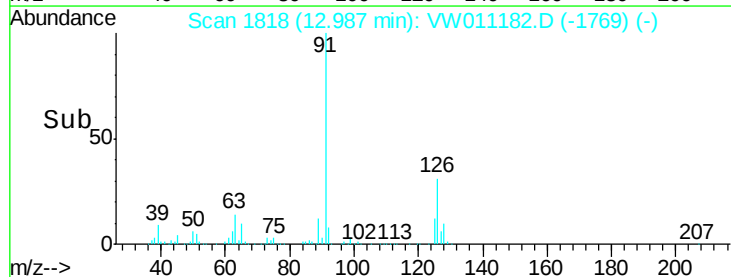
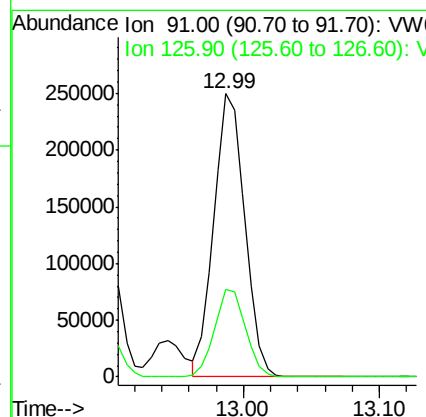
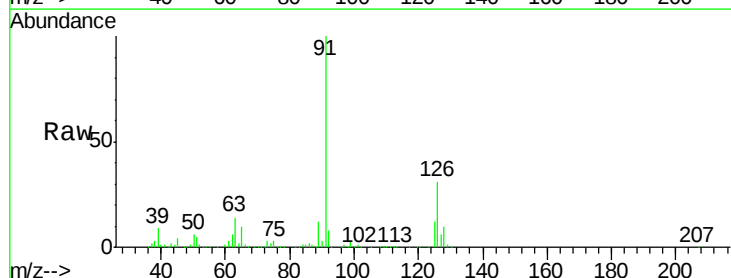
Manual Integrations  
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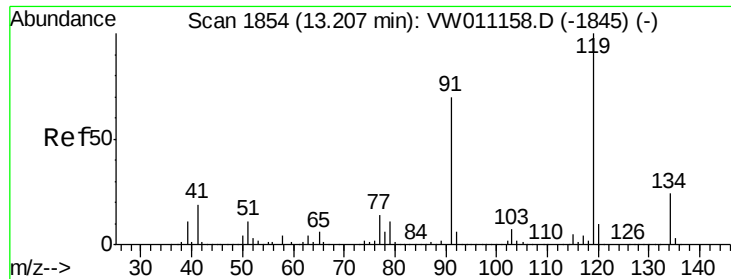
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#82  
4-Chlorotoluene  
Concen: 46.126 ug/l  
RT: 12.99 min Scan# 1818  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 31.3  | 15.7  | 47.1  |





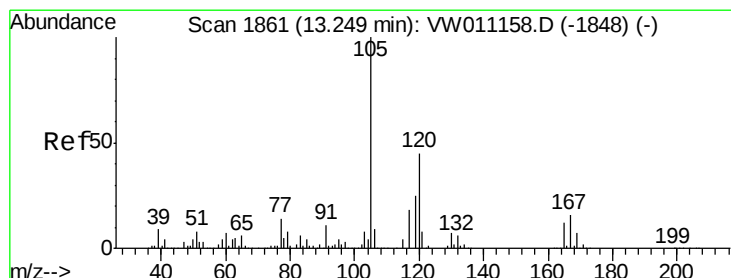
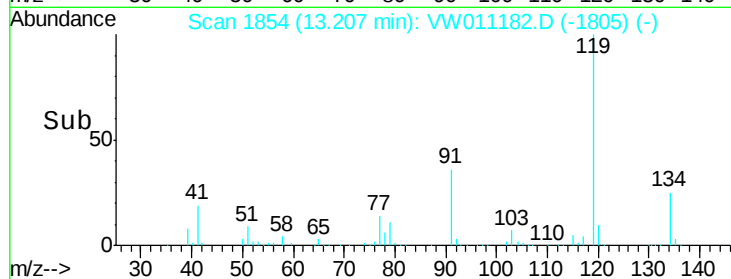
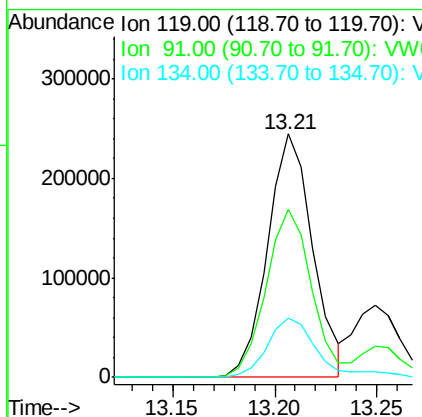
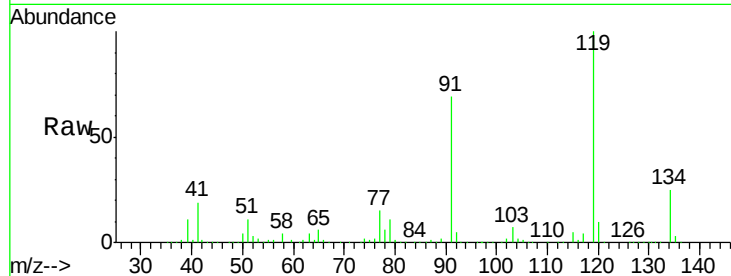
#83  
tert-Butylbenzene  
Concen: 46.265 ug/l  
RT: 13.21 min Scan# 1854  
Delta R.T. 0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 70.4  | 35.4  | 106.3 |
| 134     | 27.1  | 13.4  | 40.2  |

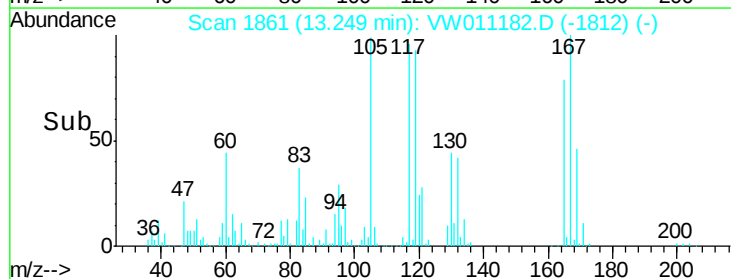
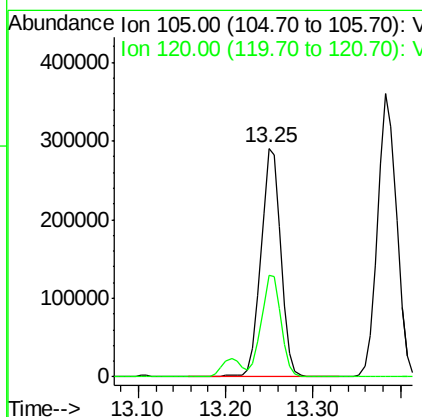
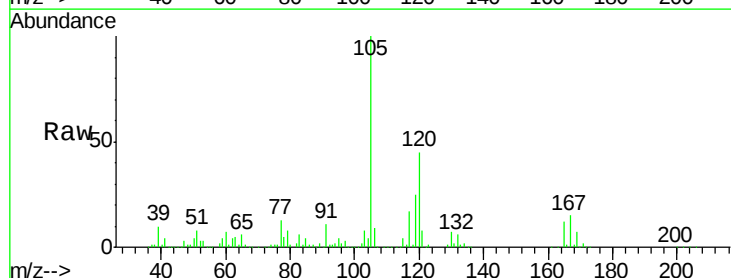
Manual Integrations  
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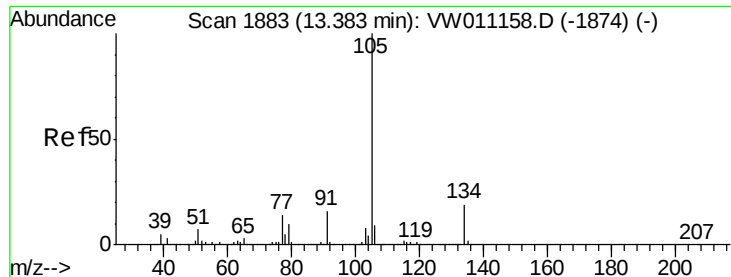
MMDadoda  
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#84  
1,2,4-Trimethylbenzene  
Concen: 46.989 ug/l  
RT: 13.25 min Scan# 1861  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.2  | 22.3  | 66.9  |





#85

sec-Butylbenzene

Concen: 46.132 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 543141

Ion Ratio Lower Upper

105 100

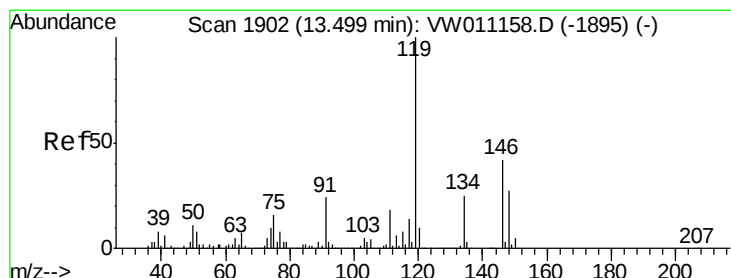
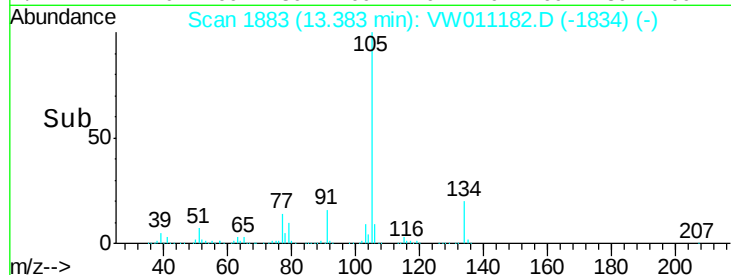
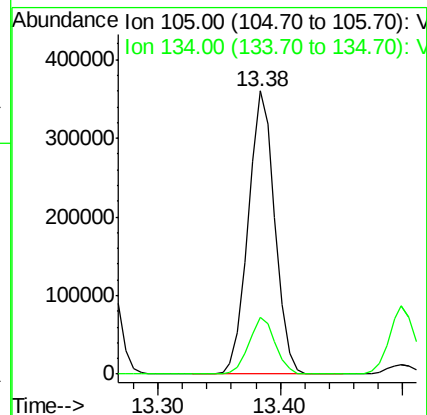
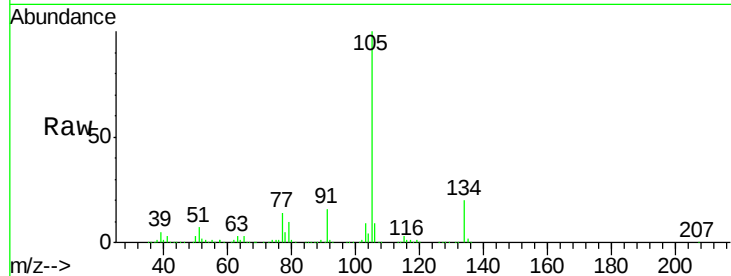
134 19.7 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 47.000 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

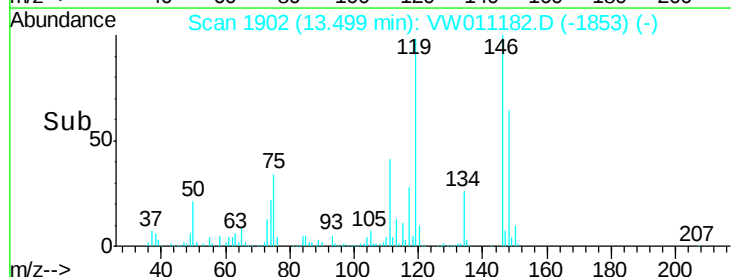
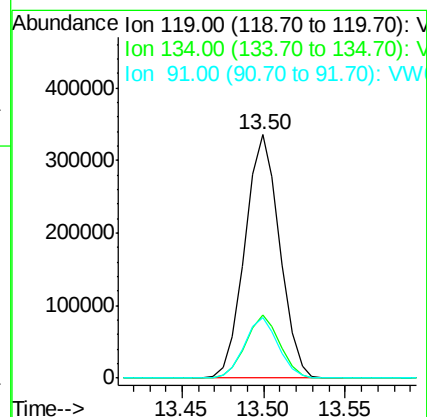
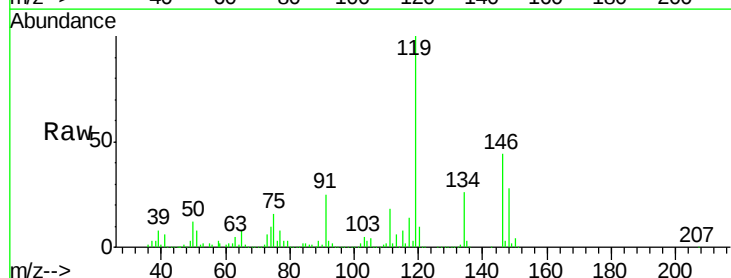
Tgt Ion:119 Resp: 496322

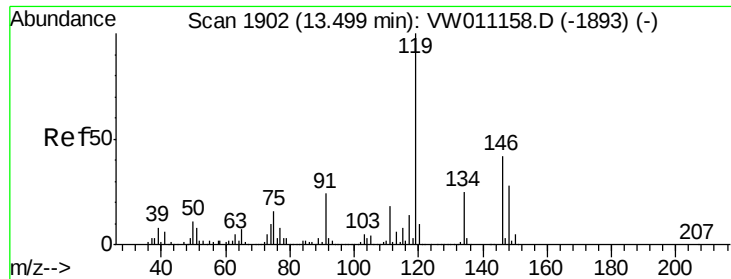
Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.6

91 24.4 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 46.976 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

Instrument :

MSVOA\_W

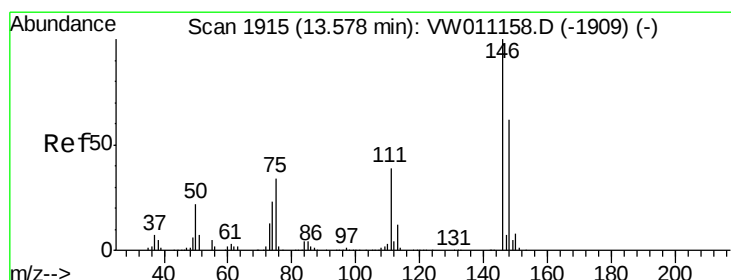
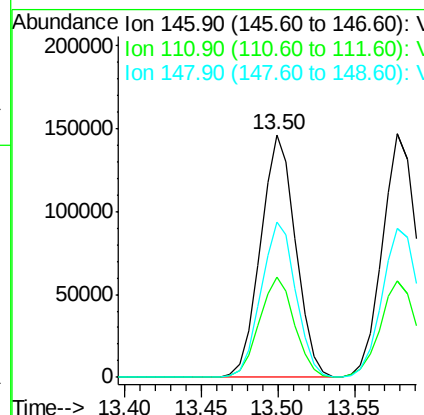
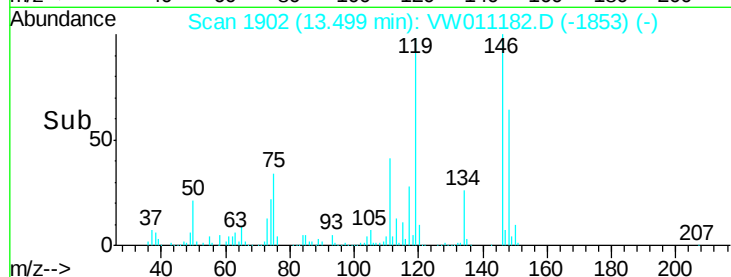
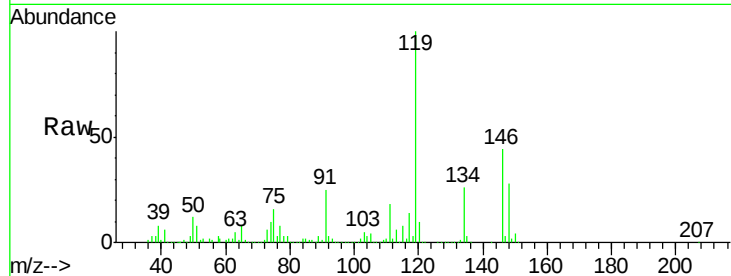
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 233586 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 41.3  | 21.1  | 63.1   |
| 148       | 63.8  | 32.6  | 97.7   |

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#88

1,4-Dichlorobenzene

Concen: 46.102 ug/l

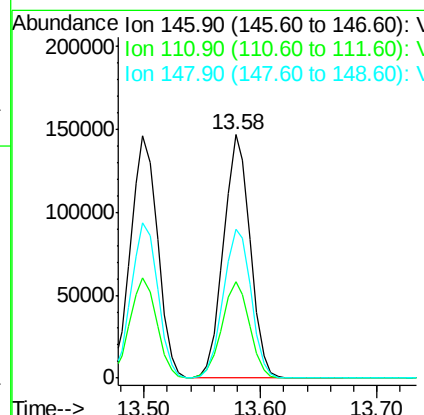
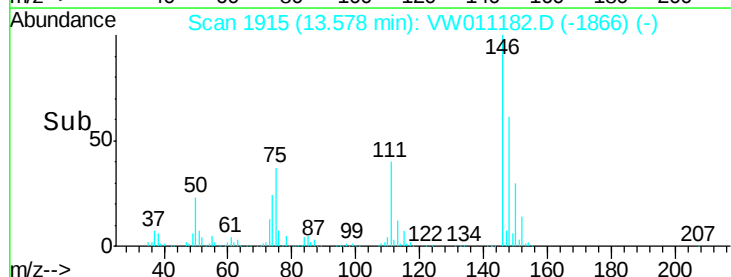
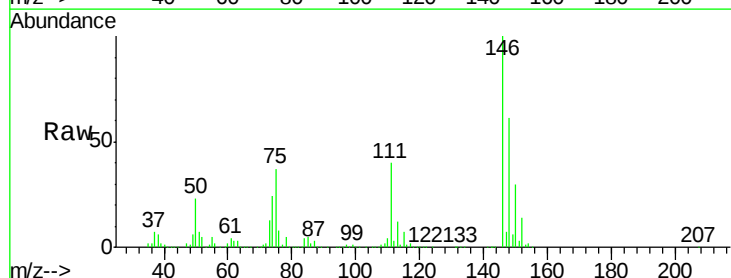
RT: 13.58 min Scan# 1915

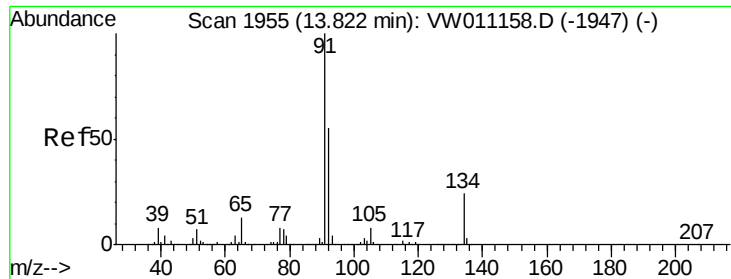
Delta R.T. 0.00 min

Lab File: VW011182.D

Acq: 09 Jul 2019 17:00

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 230838 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 40.8  | 19.9  | 59.7   |
| 148       | 64.0  | 31.5  | 94.5   |





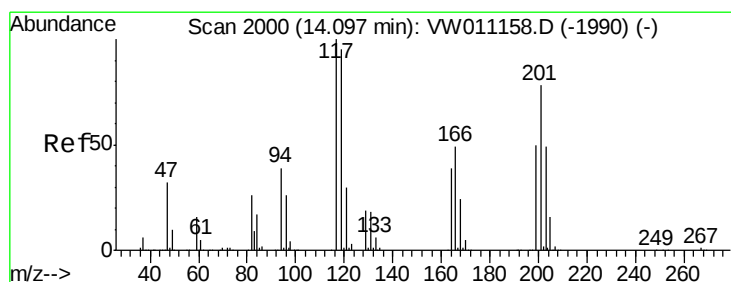
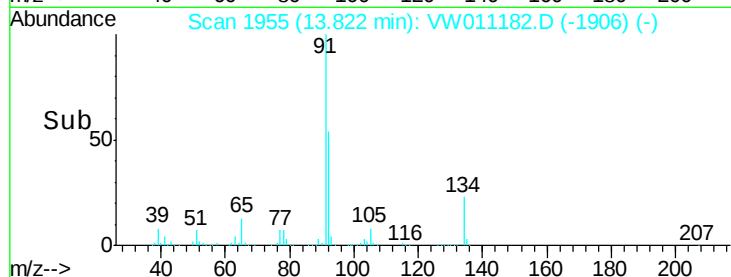
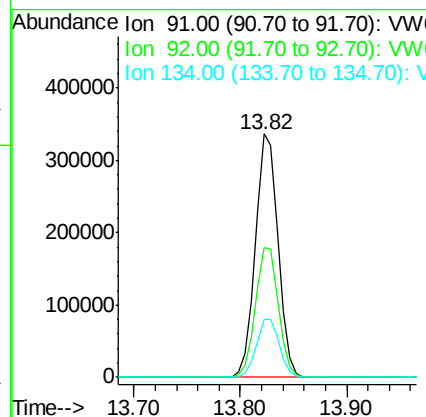
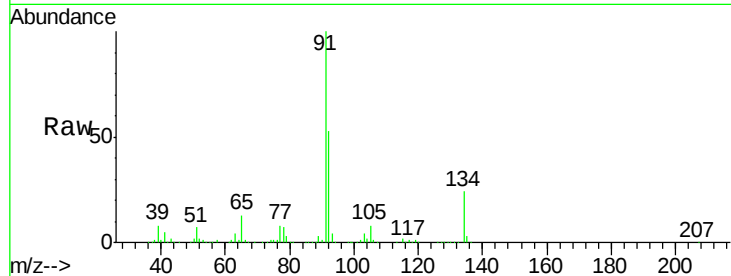
#89  
n-Butylbenzene  
Concen: 47.692 ug/l  
RT: 13.82 min Scan# 1955  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.9  | 26.9  | 80.7  |
| 134     | 24.2  | 12.2  | 36.4  |

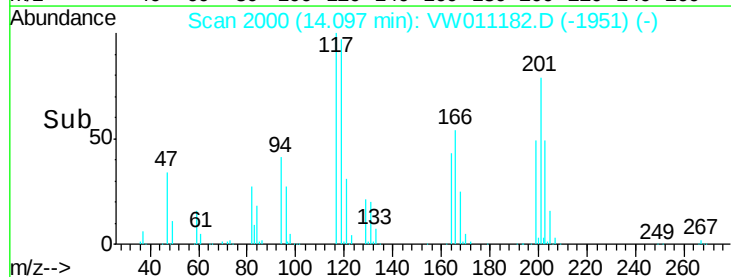
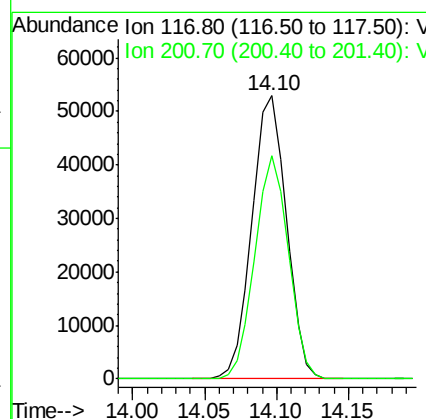
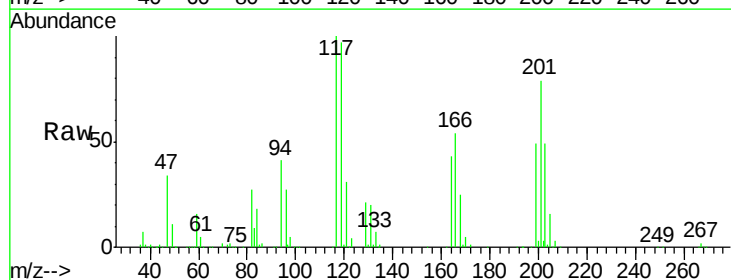
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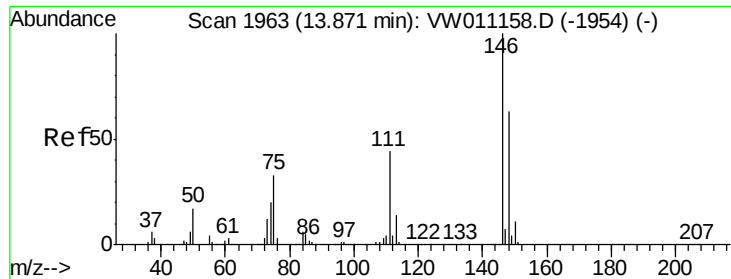
MMDadoda  
7/10/2019 10:47:22 AM



#90  
Hexachloroethane  
Concen: 45.555 ug/l  
RT: 14.10 min Scan# 2000  
Delta R.T. 0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 76.8  | 38.3  | 114.8 |





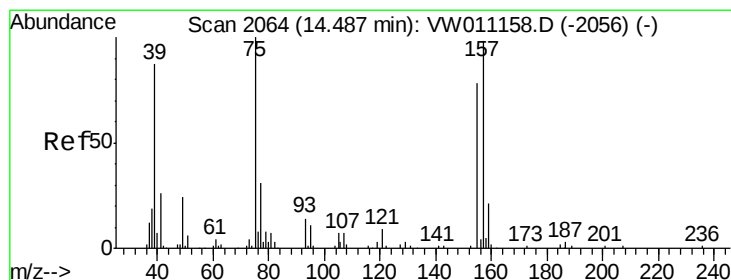
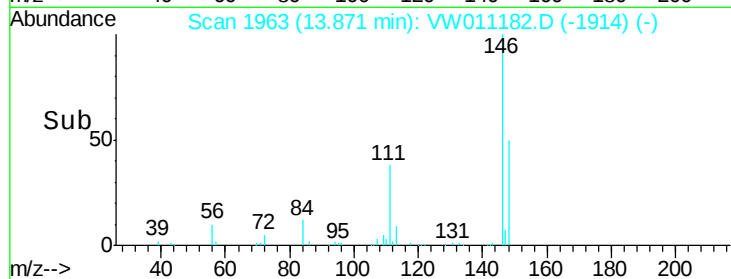
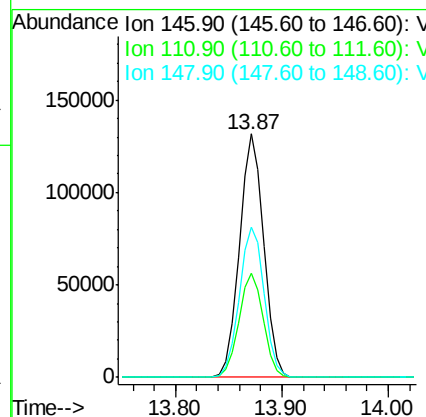
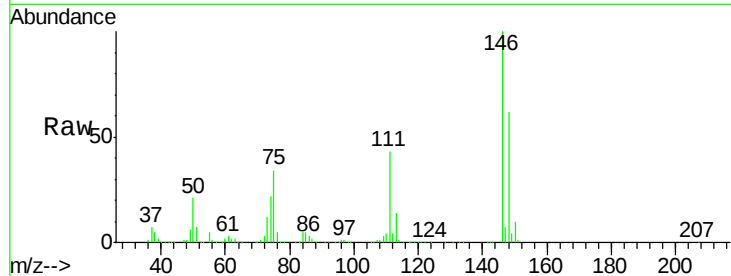
#91  
 1,2-Dichlorobenzene  
 Concen: 46.587 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. -0.00 min  
 Lab File: VW011182.D  
 Acq: 09 Jul 2019 17:00

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 210160 |       |       |
| 111     | 43.3  | 21.6   | 65.0  |       |
| 148     | 63.2  | 31.9   | 95.5  |       |

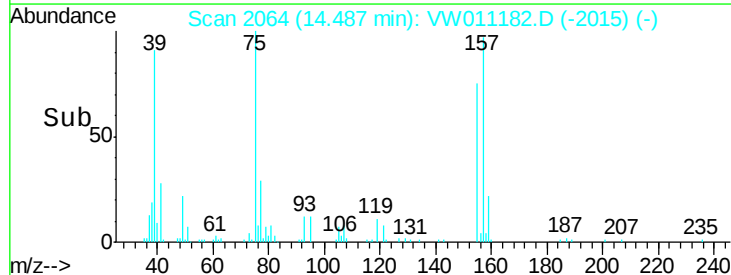
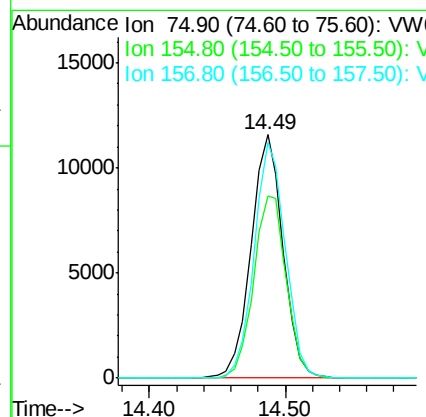
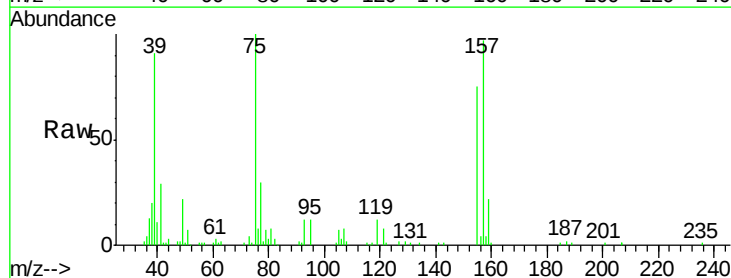
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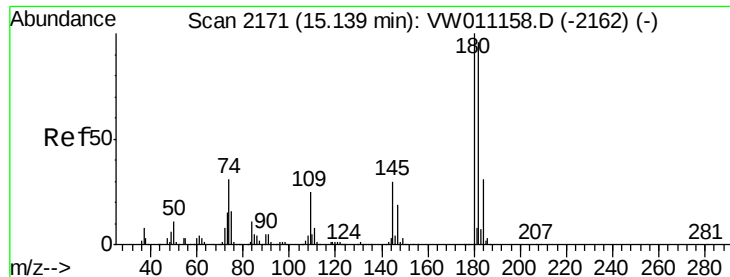
MMDadoda  
 7/10/2019 10:47:22 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 45.407 ug/l  
 RT: 14.49 min Scan# 2064  
 Delta R.T. -0.00 min  
 Lab File: VW011182.D  
 Acq: 09 Jul 2019 17:00

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 19013 |       |       |
| 155     | 76.7  | 37.1  | 111.3 |       |
| 157     | 94.7  | 48.5  | 145.6 |       |





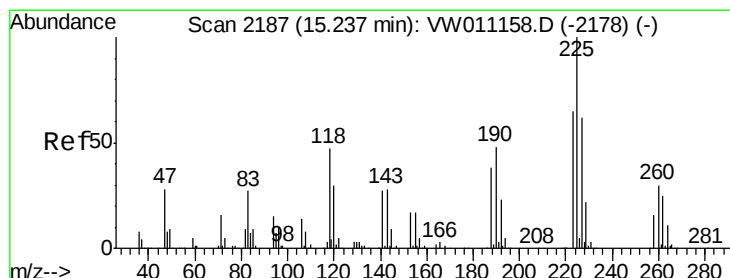
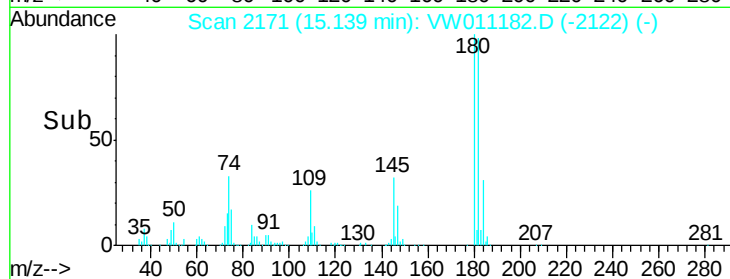
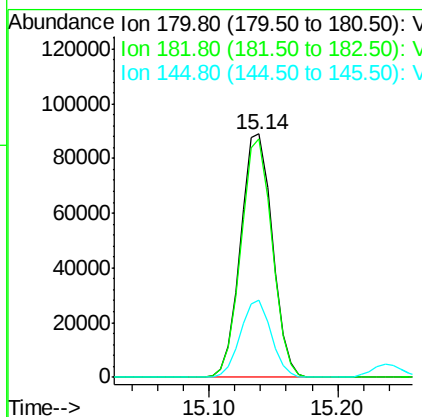
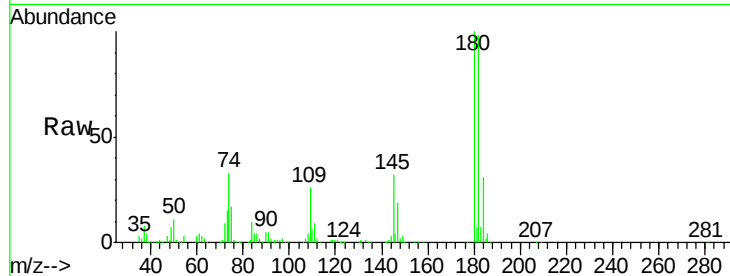
#93  
 1,2,4-Trichlorobenzene  
 Concen: 48.766 ug/l  
 RT: 15.14 min Scan# 2171  
 Delta R.T. -0.00 min  
 Lab File: VW011182.D  
 Acq: 09 Jul 2019 17:00

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 151522 |       |       |
| 182     | 95.9  | 48.3   | 144.9 |       |
| 145     | 30.8  | 15.5   | 46.5  |       |

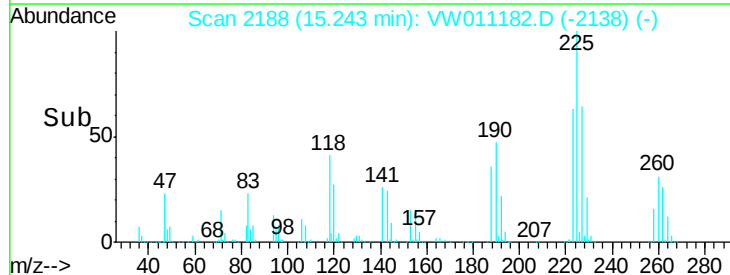
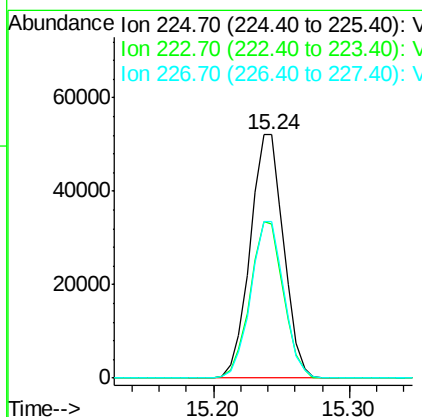
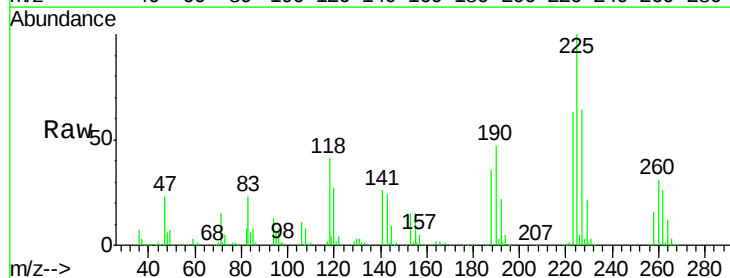
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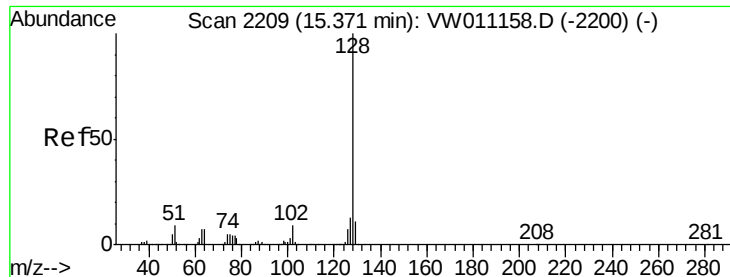
MMDadoda  
 7/10/2019 10:47:22 AM



#94  
 Hexachlorobutadiene  
 Concen: 47.077 ug/l  
 RT: 15.24 min Scan# 2188  
 Delta R.T. 0.01 min  
 Lab File: VW011182.D  
 Acq: 09 Jul 2019 17:00

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 89802 |       |       |
| 223     | 63.8  | 31.6  | 95.0  |       |
| 227     | 63.8  | 32.0  | 96.0  |       |





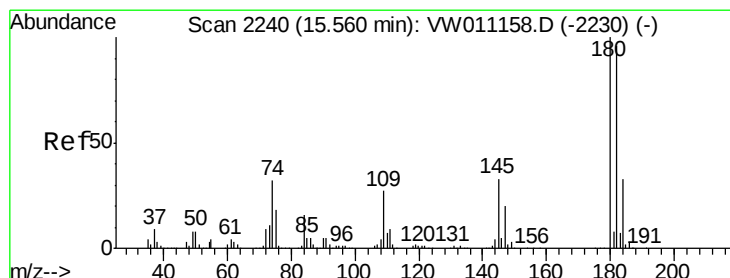
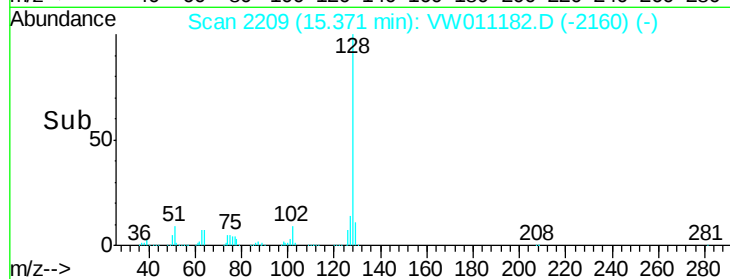
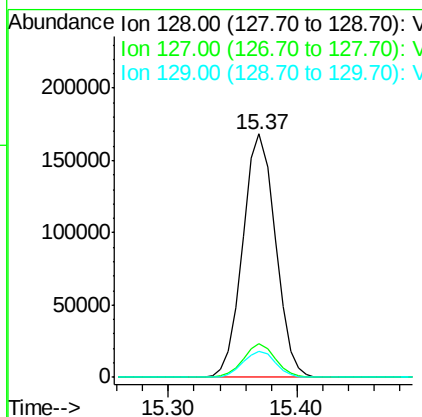
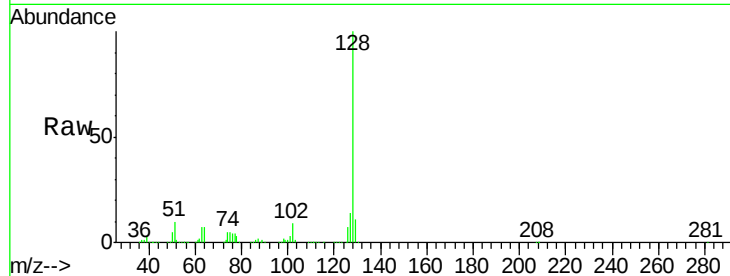
#95  
Naphthalene  
Concen: 49.702 ug/l  
RT: 15.37 min Scan# 2209  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.5  | 10.6  | 16.0  |
| 129     | 10.7  | 8.7   | 13.1  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 48.848 ug/l  
RT: 15.56 min Scan# 2240  
Delta R.T. -0.00 min  
Lab File: VW011182.D  
Acq: 09 Jul 2019 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.0  | 47.6  | 142.8 |
| 145     | 32.4  | 16.5  | 49.5  |

