

Data File : VW009014.D  
Acq On : 06 Mar 2019 11:43  
Operator : SY/VA  
Sample : VSTDIC020  
Misc : 5.00G/5ML/MSVOA\_W/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

Manual Integrations  
APPROVED

MMDadoda  
3/8/2019 12:07:04 AM

Quant Time: Mar 07 07:10:00 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W030619S.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 07 06:55:45 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 294035   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 416952   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 403289   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 228515   | 50.00 | ug/l  | 0.00     |

#### System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.30   | 65  | 53646    | 18.19 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 36.38% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 47261    | 18.83 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 37.66% |      |
| 50) Toluene-d8            | 10.32  | 98  | 189511   | 18.37 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 36.74% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 73972    | 18.57 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 37.14% |      |

#### Target Compounds

|                               |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 2.00 | 85  | 63177  | 21.629  | ug/l | 98     |
| 3) Chloromethane              | 2.21 | 50  | 73033  | 19.851  | ug/l | 94     |
| 4) Vinyl Chloride             | 2.35 | 62  | 72815  | 19.750  | ug/l | 96     |
| 5) Bromomethane               | 2.74 | 94  | 59246  | 18.299  | ug/l | 93     |
| 6) Chloroethane               | 2.90 | 64  | 50526  | 19.328  | ug/l | 95     |
| 7) Trichlorofluoromethane     | 3.25 | 101 | 98583  | 20.758  | ug/l | 96     |
| 8) Diethyl Ether              | 3.68 | 74  | 28476  | 19.208  | ug/l | 93     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 59361  | 20.142  | ug/l | 99     |
| 10) Methyl Iodide             | 4.26 | 142 | 52446  | 18.852  | ug/l | 100    |
| 11) Tert butyl alcohol        | 5.18 | 59  | 23109  | 107.098 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 4.03 | 96  | 52134  | 20.302  | ug/l | 98     |
| 13) Acrolein                  | 3.89 | 56  | 26982  | 111.547 | ug/l | 95     |
| 14) Allyl chloride            | 4.67 | 41  | 87388  | 19.683  | ug/l | 99     |
| 15) Acrylonitrile             | 5.37 | 53  | 63348  | 99.810  | ug/l | 98     |
| 16) Acetone                   | 4.12 | 43  | 58811  | 97.118  | ug/l | 97     |
| 17) Carbon Disulfide          | 4.37 | 76  | 171631 | 19.943  | ug/l | 99     |
| 18) Methyl Acetate            | 4.67 | 43  | 27160  | 19.663  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.43 | 73  | 133060 | 20.016  | ug/l | 97     |
| 20) Methylene Chloride        | 4.92 | 84  | 65482  | 18.470  | ug/l | 88     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 59522  | 20.264  | ug/l | 95     |
| 22) Diisopropyl ether         | 6.31 | 45  | 174689 | 19.705  | ug/l | 94     |
| 23) Vinyl Acetate             | 6.26 | 43  | 555858 | 100.670 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 102711 | 19.925  | ug/l | 96     |
| 25) 2-Butanone                | 7.17 | 43  | 87030  | 100.973 | ug/l | 94     |
| 26) 2,2-Dichloropropane       | 7.16 | 77  | 94155  | 19.968  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 7.16 | 96  | 62658  | 20.263  | ug/l | 98     |
| 28) Bromochloromethane        | 7.51 | 49  | 44206  | 19.756  | ug/l | 98     |
| 29) Tetrahydrofuran           | 7.53 | 42  | 54307  | 100.292 | ug/l | 99     |
| 30) Chloroform                | 7.67 | 83  | 105948 | 20.074  | ug/l | 96     |
| 31) Cyclohexane               | 7.95 | 56  | 107228 | 20.228  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 98976  | 20.417  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 85887  | 20.716  | ug/l | 99     |
| 37) Ethyl Acetate             | 7.26 | 43  | 38508  | 20.999  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 8.06 | 117 | 88013  | 20.514  | ug/l | 98     |

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Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

Manual Integrations  
APPROVED

MMDadoda  
3/8/2019 12:07:04 AM

Quant Time: Mar 07 07:10:00 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W030619S.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 07 06:55:45 2019  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 99397    | 19.846  | ug/l   | 99       |
| 40) Benzene                    | 8.32  | 78   | 226647   | 20.268  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.48  | 41   | 20462    | 18.812  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 72836    | 20.294  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.43  | 43   | 72526    | 20.119  | ug/l   | 99       |
| 44) Trichloroethene            | 9.09  | 130  | 66141    | 21.212  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 58197    | 20.993  | ug/l   | 93       |
| 46) Dibromomethane             | 9.46  | 93   | 32000    | 20.923  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.64  | 83   | 76831    | 20.039  | ug/l   | 94       |
| 48) Methyl methacrylate        | 9.43  | 41   | 32182    | 18.893  | ug/l   | 88       |
| 49) 1,4-Dioxane                | 9.45  | 88   | 8994     | 430.183 | ug/l # | 96       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 182777   | 100.265 | ug/l   | 98       |
| 52) Toluene                    | 10.38 | 92   | 147769   | 19.574  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 75456    | 19.840  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 89859    | 20.697  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 42800    | 20.604  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 50116    | 19.504  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 75059    | 20.548  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 136280   | 99.954  | ug/l   | 97       |
| 59) 2-Hexanone                 | 10.97 | 43   | 129476   | 101.033 | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.13 | 129  | 52116    | 20.656  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 39884    | 20.257  | ug/l   | 97       |
| 64) Tetrachloroethene          | 10.86 | 164  | 54824    | 19.689  | ug/l   | 96       |
| 65) Chlorobenzene              | 11.66 | 112  | 162552   | 19.419  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 57335    | 20.395  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.73 | 91   | 293255   | 19.322  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.84 | 106  | 239267   | 39.953  | ug/l   | 98       |
| 69) o-Xylene                   | 12.17 | 106  | 109606   | 19.605  | ug/l   | 99       |
| 70) Styrene                    | 12.18 | 104  | 175364   | 19.363  | ug/l   | 100      |
| 71) Bromoform                  | 12.35 | 173  | 29485    | 19.685  | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.46 | 105  | 298407   | 19.078  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.27 | 43   | 70507    | 18.934  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.72 | 83   | 48074    | 19.705  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 42614m   | 17.255  | ug/l   |          |
| 77) Bromobenzene               | 12.75 | 156  | 68472    | 19.337  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.80 | 91   | 375220   | 19.540  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 209429   | 19.316  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 265825   | 19.803  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 14609    | 19.551  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 222234   | 19.269  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 220459   | 19.060  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 268418   | 19.532  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.38 | 105  | 327052   | 19.384  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 293601   | 19.332  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 147420   | 19.447  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 148982   | 19.815  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.83 | 91   | 276589   | 19.237  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.10 | 117  | 49554    | 19.046  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 130746   | 19.713  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 8887     | 19.930  | ug/l   | 94       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW030619\  
Quantitation Report (QT Reviewed)

Data File : VW009014.D  
Acq On : 06 Mar 2019 11:43  
Operator : SY/VA  
Sample : VSTDICC020  
Misc : 5.00G/5ML/MSVOA\_W/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC020

Manual Integrations  
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MMDadoda  
3/8/2019 12:07:04 AM

Quant Time: Mar 07 07:10:00 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W030619S.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 07 06:55:45 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 92630    | 20.396 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 57107    | 19.783 | ug/l  | 96       |
| 95) Naphthalene            | 15.37 | 128  | 147977   | 20.096 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.56 | 180  | 81561    | 20.742 | ug/l  | 100      |

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

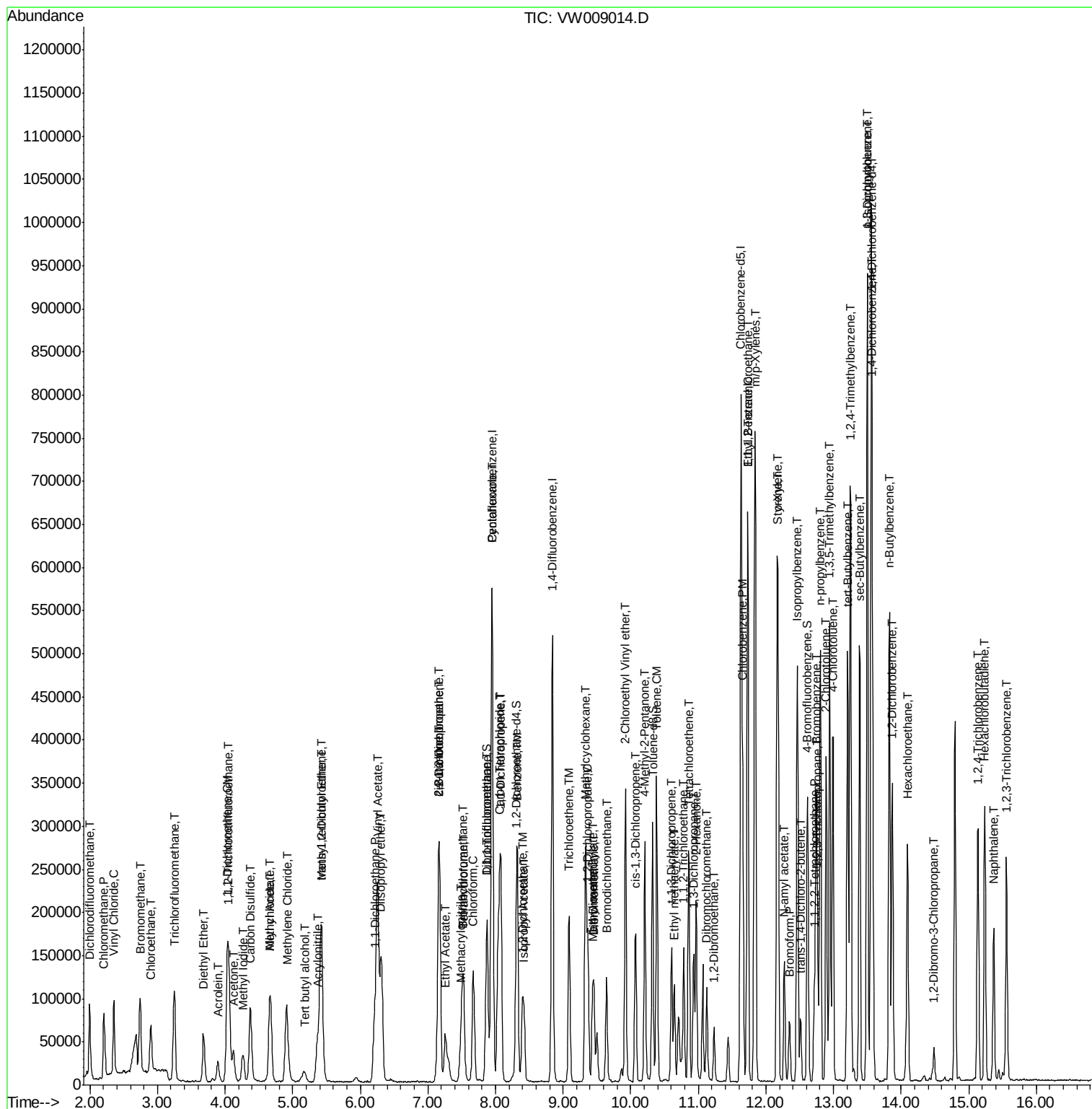
Data File : VW009014.D  
Acq On : 06 Mar 2019 11:43  
Operator : SY/VA  
Sample : VSTDIC020  
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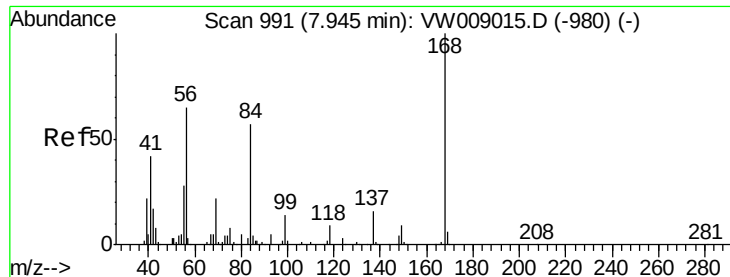
Instrument :  
MSVOA\_W  
Client Sampled :  
VSTDIC020

Manual Integrations  
APPROVED

MMDadoda  
3/8/2019 12:07:04 AM

Quant Time: Mar 07 07:10:00 2019  
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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: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC020

Tgt Ion: 168 Resp: 294035

Ion Ratio Lower Upper

168 100

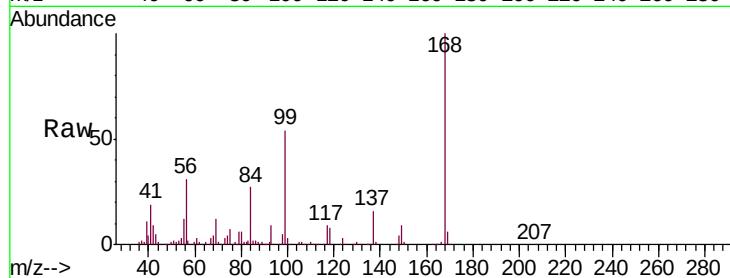
99 54.0 43.5 65.3

Manual Integrations

APPROVED

MMDadoda

3/8/2019 12:07:04 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

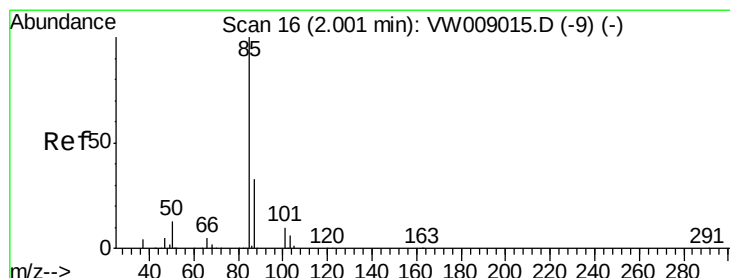
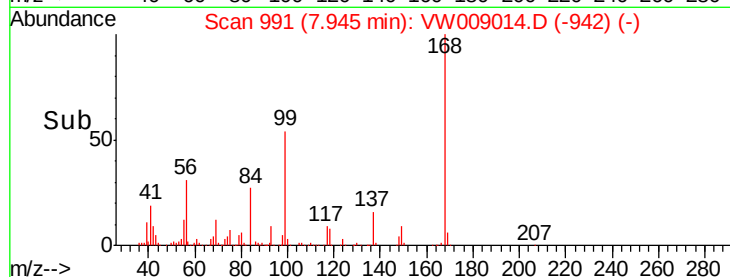
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50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 21.629 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW009014.D

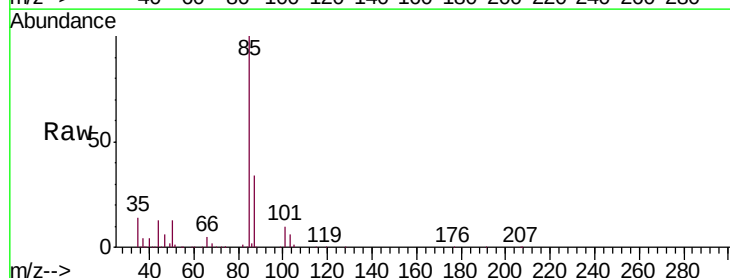
Acq: 06 Mar 2019 11:43

Tgt Ion: 85 Resp: 63177

Ion Ratio Lower Upper

85 100

87 34.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

50000

40000

30000

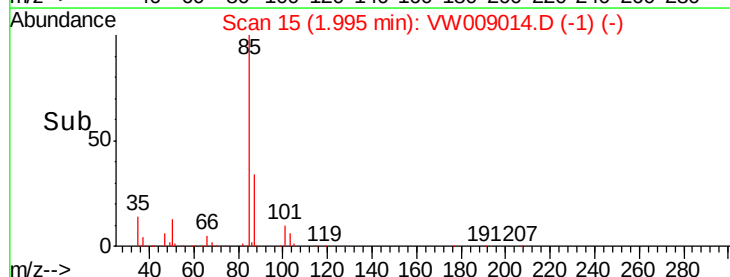
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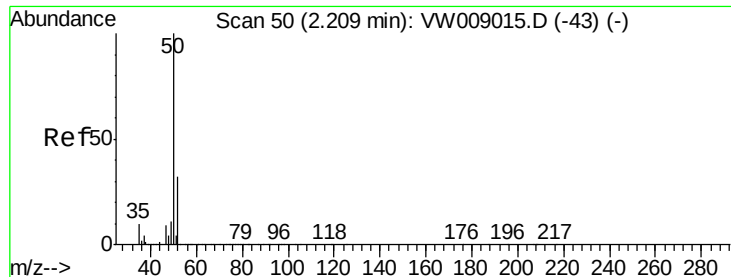
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0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 19.851 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

Tgt Ion: 50 Resp: 73033

Ion Ratio Lower Upper

50 100

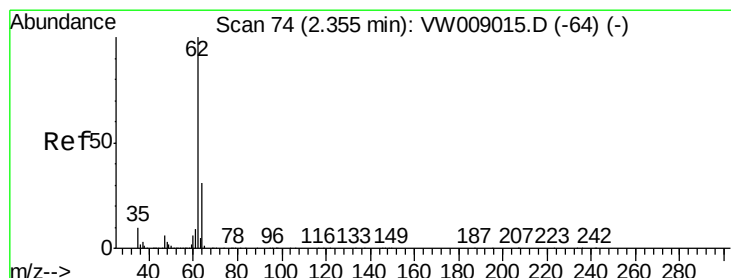
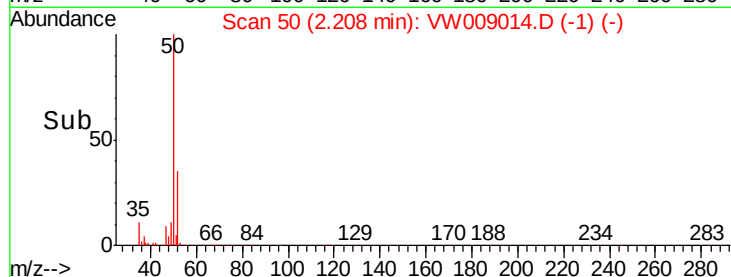
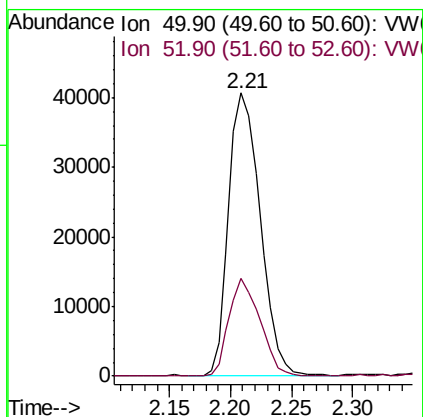
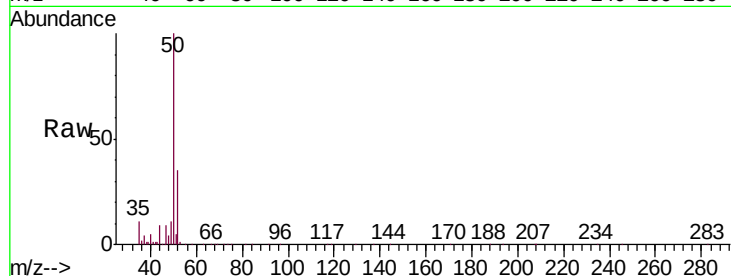
52 34.7 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

3/8/2019 12:07:04 AM



#4

Vinyl Chloride

Concen: 19.750 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW009014.D

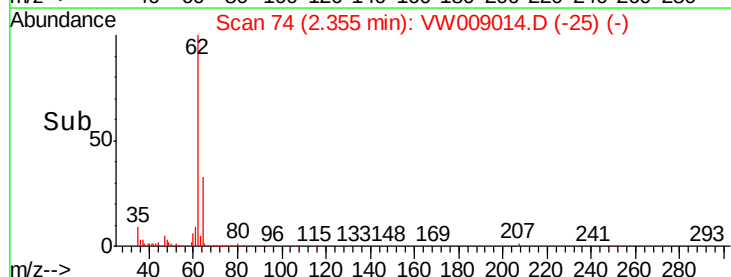
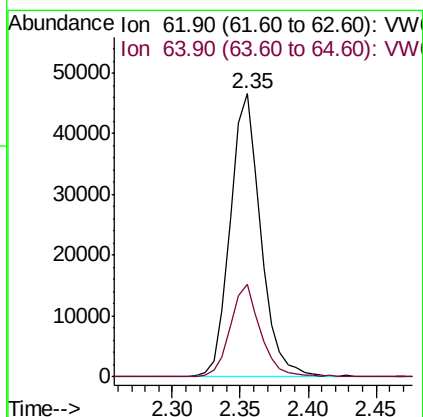
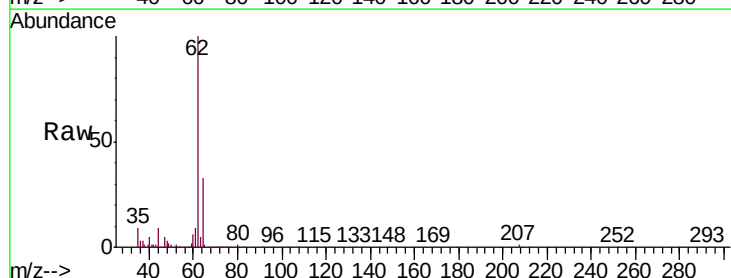
Acq: 06 Mar 2019 11:43

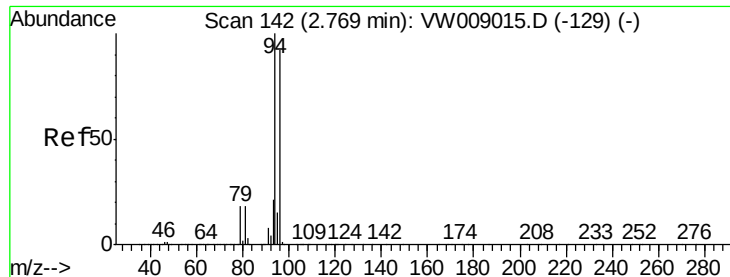
Tgt Ion: 62 Resp: 72815

Ion Ratio Lower Upper

62 100

64 32.9 24.6 36.8





#5

Bromomethane

Concen: 18.299 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.03 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

Tgt Ion: 94 Resp: 59246

Ion Ratio Lower Upper

94 100

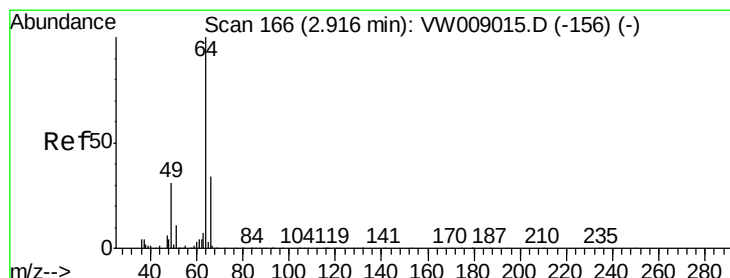
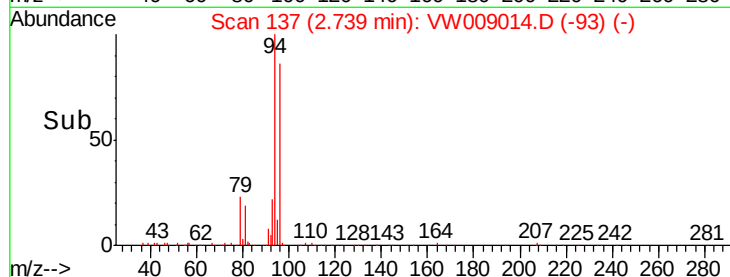
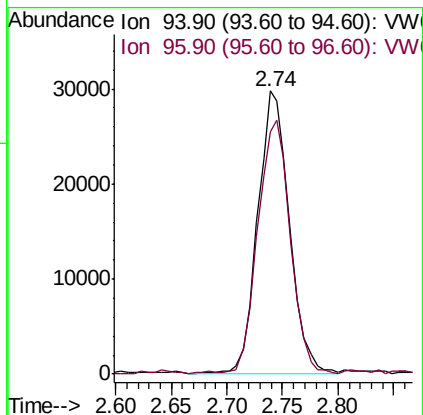
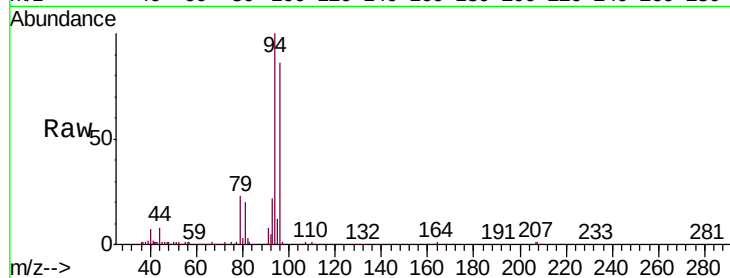
96 85.3 73.4 110.0

Manual Integrations

APPROVED

MMDadoda

3/8/2019 12:07:04 AM



#6

Chloroethane

Concen: 19.328 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW009014.D

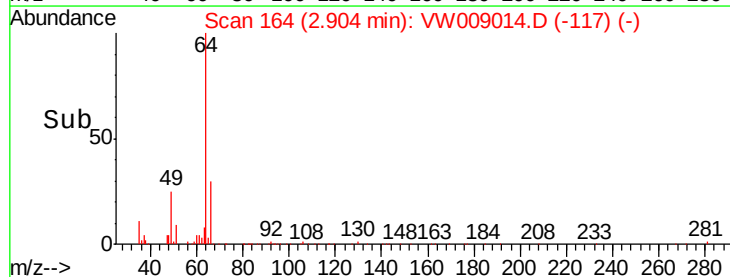
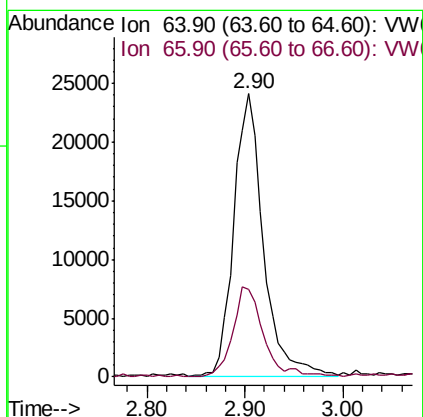
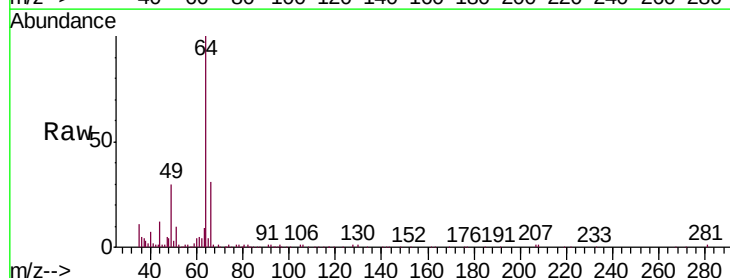
Acq: 06 Mar 2019 11:43

Tgt Ion: 64 Resp: 50526

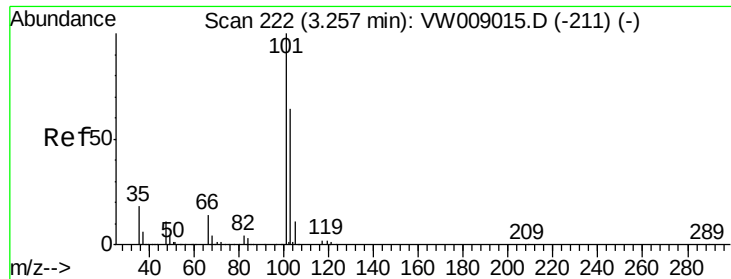
Ion Ratio Lower Upper

64 100

66 31.0 27.2 40.8







#7

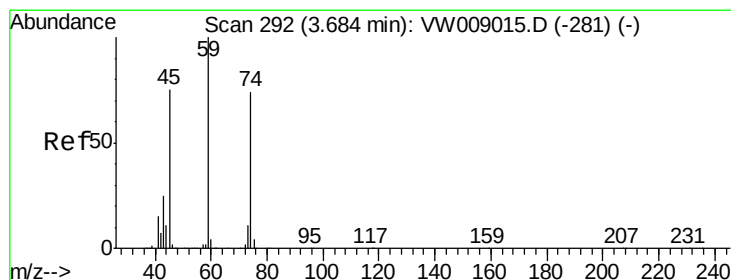
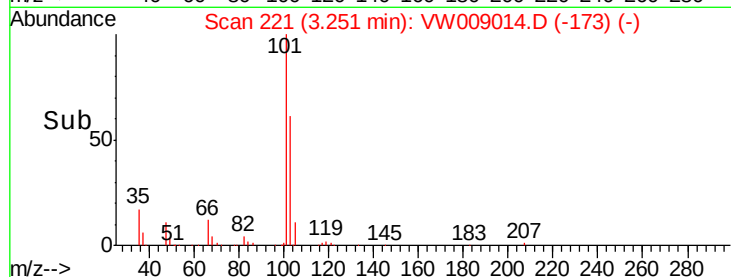
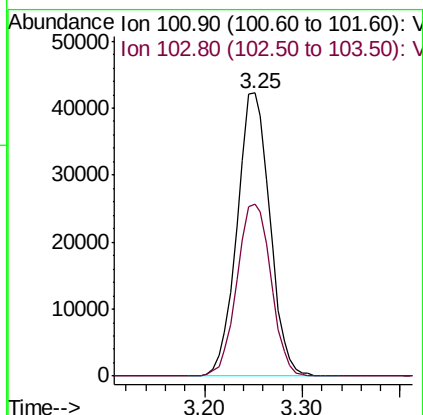
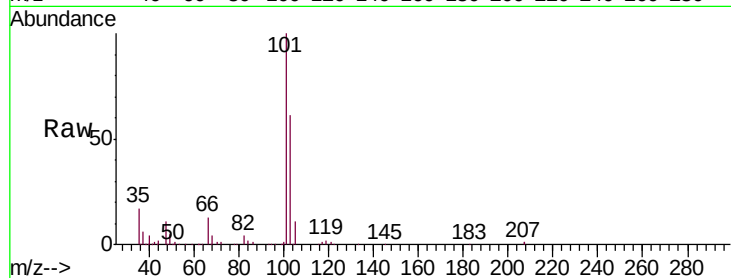
Trichlorofluoromethane  
 Concen: 20.758 ug/l  
 RT: 3.25 min Scan# 221  
 Delta R.T. -0.01 min  
 Lab File: VW009014.D  
 Acq: 06 Mar 2019 11:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 60.7  | 51.1  | 76.7  |

Manual Integrations  
 APPROVED

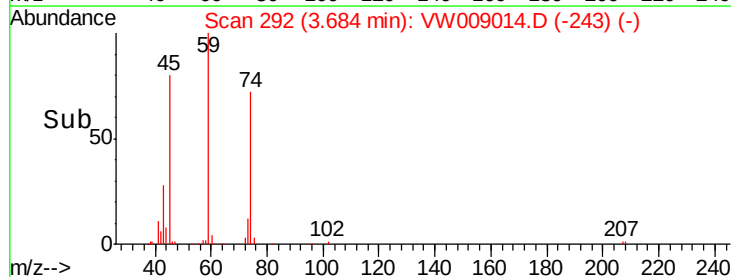
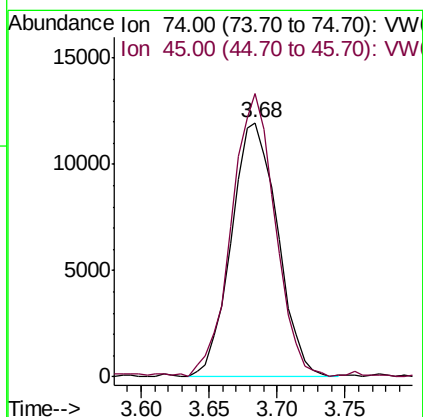
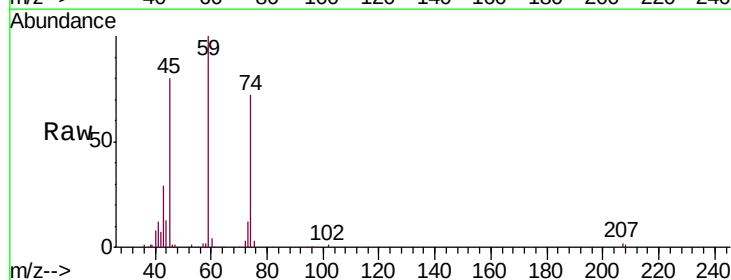
MMDadoda  
 3/8/2019 12:07:04 AM



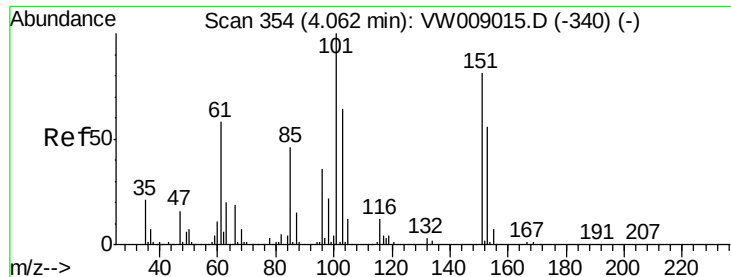
#8

Diethyl Ether  
 Concen: 19.208 ug/l  
 RT: 3.68 min Scan# 292  
 Delta R.T. -0.00 min  
 Lab File: VW009014.D  
 Acq: 06 Mar 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 104.8 | 48.8  | 146.4 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.142 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA\_W

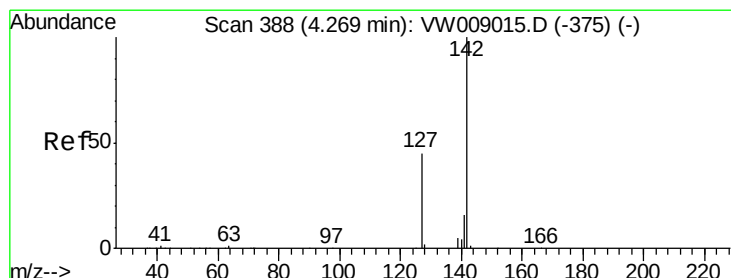
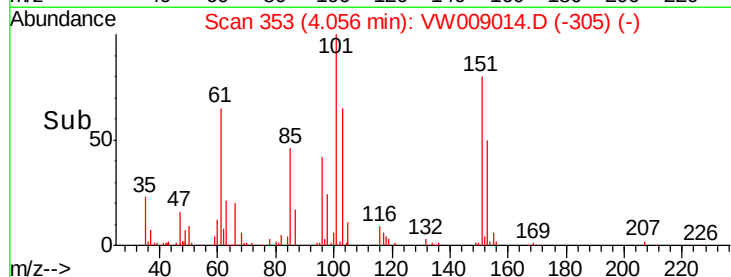
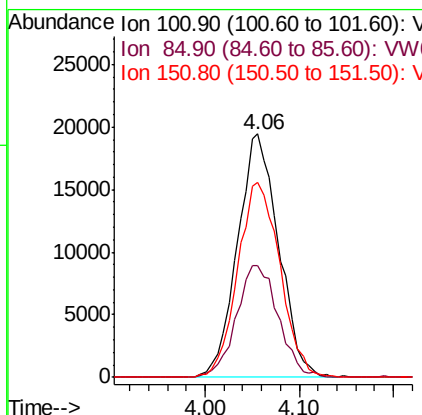
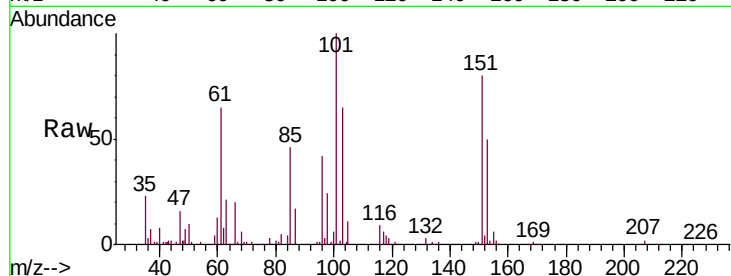
ClientSampled :

VSTDIC020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 101   | Resp: | 59361 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 46.9  | 36.6  | 55.0  |
| 151       | 82.3  | 66.0  | 99.0  |

Manual Integrations  
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#10

Methyl Iodide

Concen: 18.852 ug/l

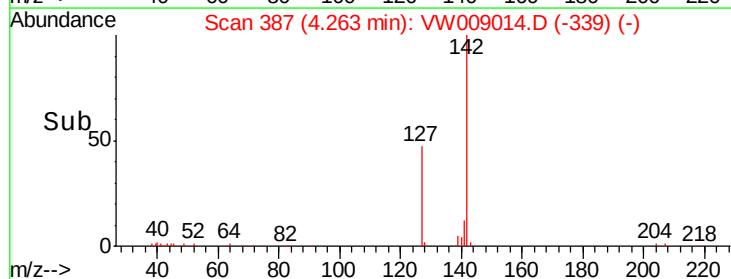
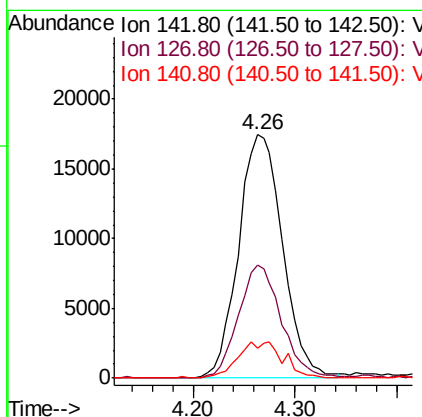
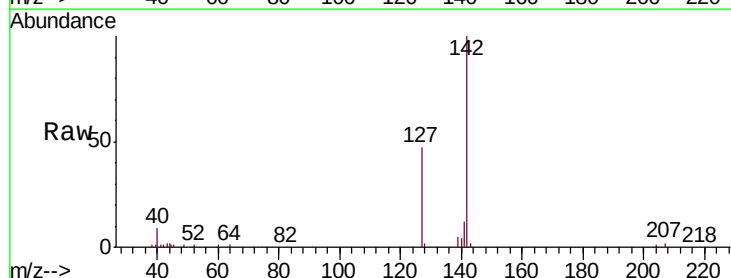
RT: 4.26 min Scan# 387

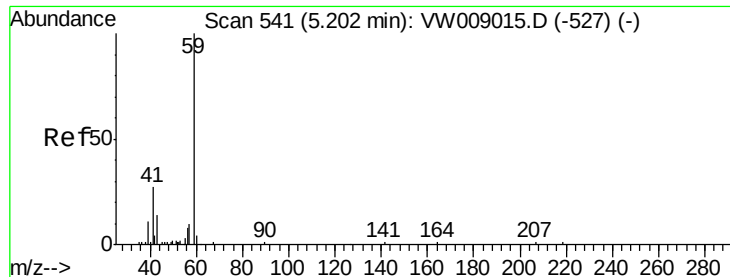
Delta R.T. -0.01 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 52446 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 45.0  | 36.2  | 54.2  |
| 141       | 15.4  | 12.3  | 18.5  |





#11

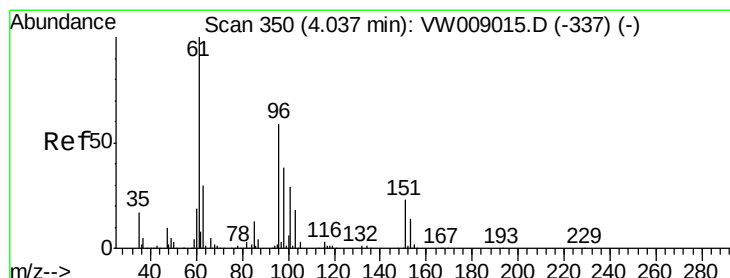
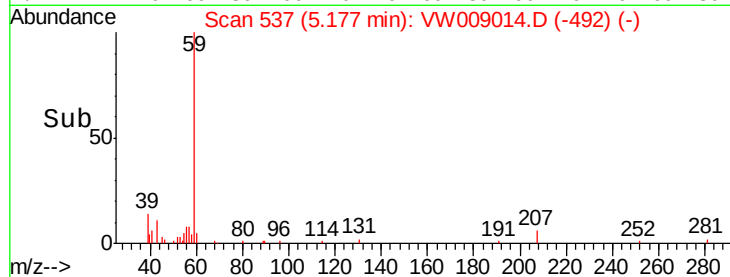
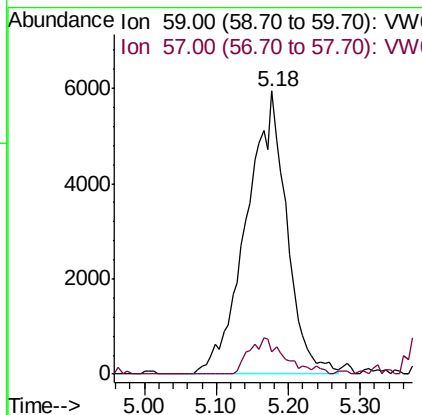
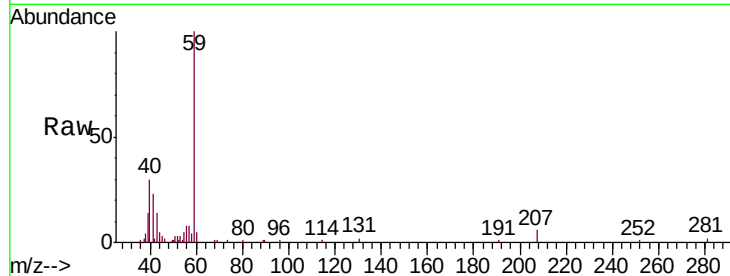
Tert butyl alcohol  
 Concen: 107.098 ug/l  
 RT: 5.18 min Scan# 537  
 Delta R.T. -0.02 min  
 Lab File: VW009014.D  
 Acq: 06 Mar 2019 11:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.8  | 9.0   | 13.6  |

Manual Integrations  
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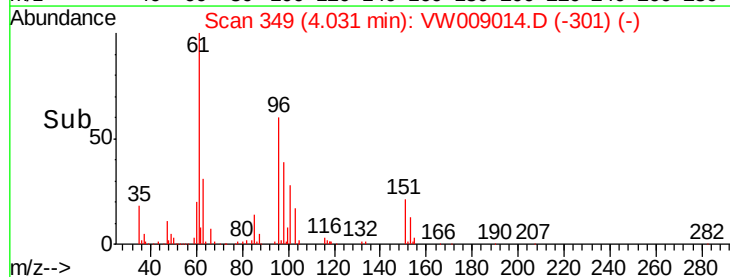
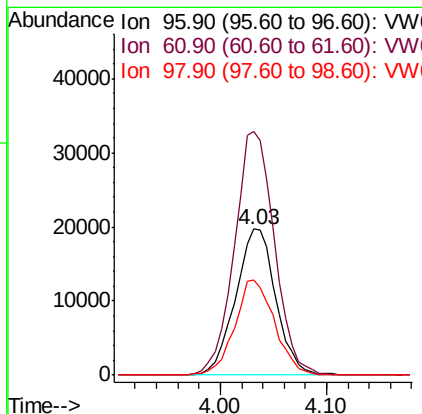
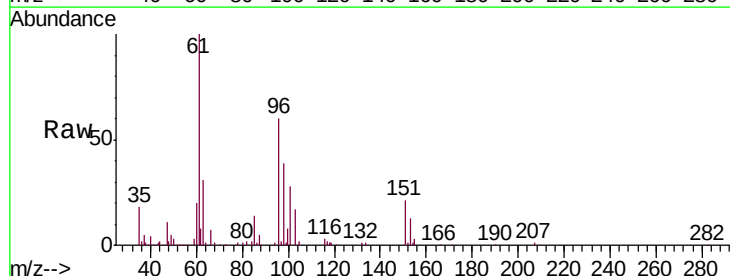
MMDadoda  
 3/8/2019 12:07:04 AM

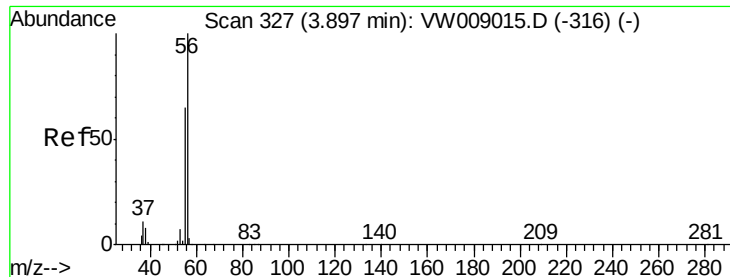


#12

1,1-Dichloroethene  
 Concen: 20.302 ug/l  
 RT: 4.03 min Scan# 349  
 Delta R.T. -0.01 min  
 Lab File: VW009014.D  
 Acq: 06 Mar 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 166.0 | 135.8 | 203.6 |
| 98      | 64.7  | 51.6  | 77.4  |





#13

Acrolein

Concen: 111.547 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 26982

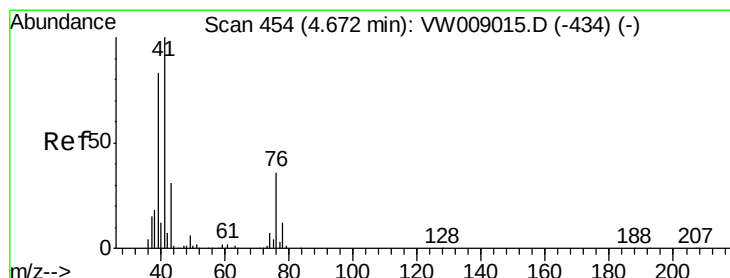
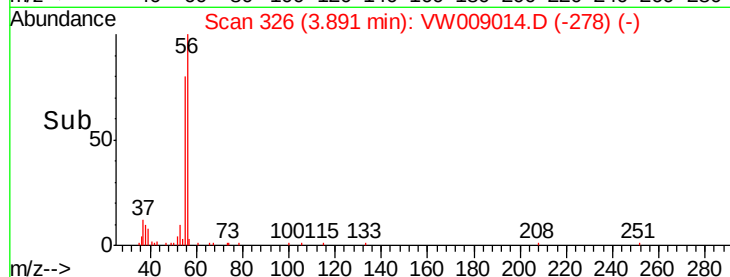
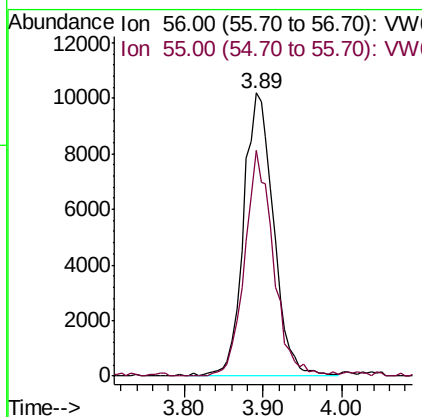
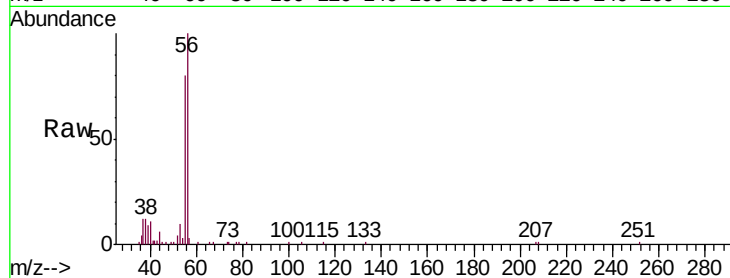
Ion Ratio Lower Upper

56 100

55 75.8 57.1 85.7

Manual Integrations  
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#14

Allyl chloride

Concen: 19.683 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

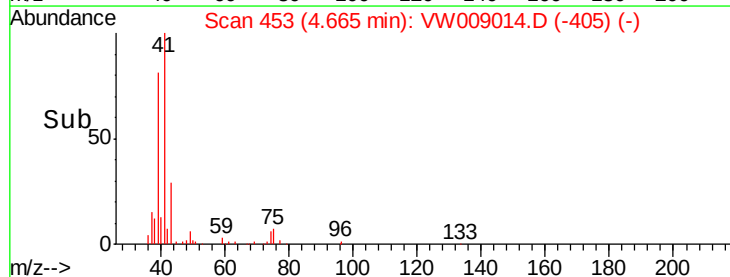
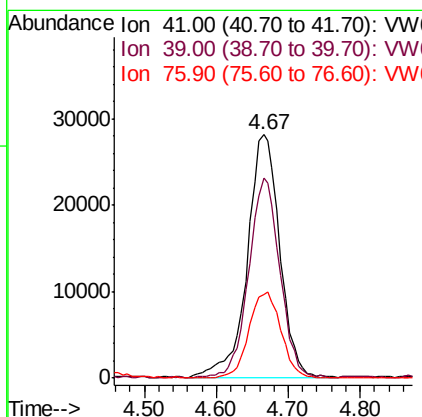
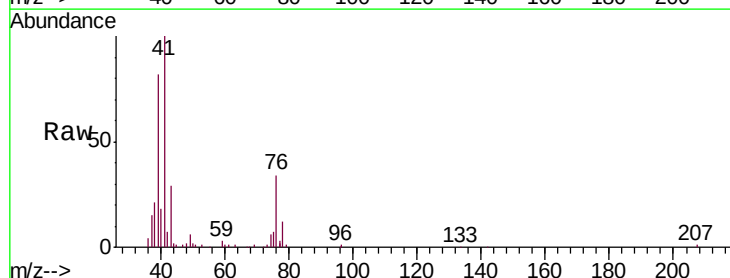
Tgt Ion: 41 Resp: 87388

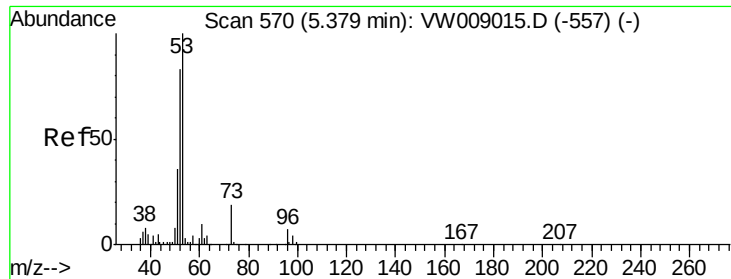
Ion Ratio Lower Upper

41 100

39 80.1 63.6 95.4

76 35.1 27.9 41.9





#15

Acrylonitrile

Concen: 99.810 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA\_W

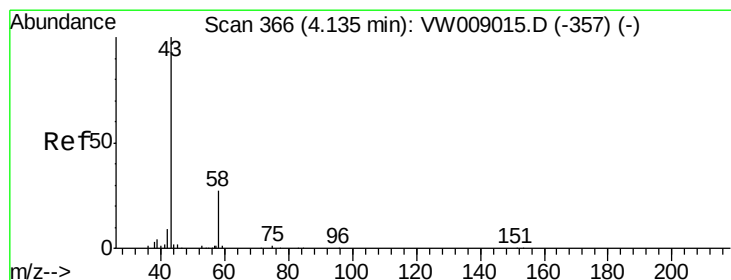
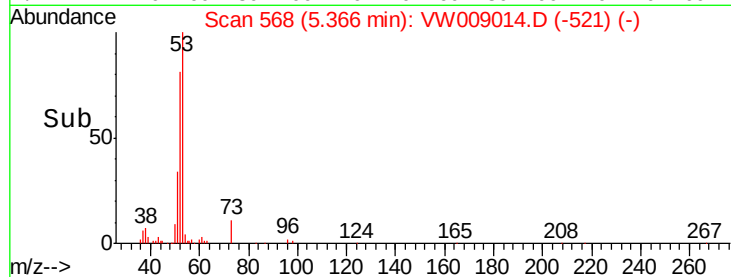
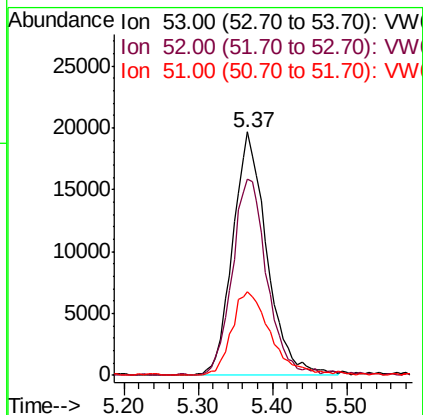
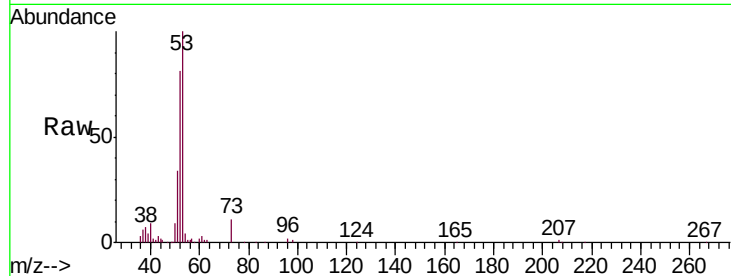
ClientSampleId :

VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 63348 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 81.8  | 66.6  | 100.0 |
| 51       | 39.0  | 30.6  | 45.8  |

Manual Integrations  
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#16

Acetone

Concen: 97.118 ug/l

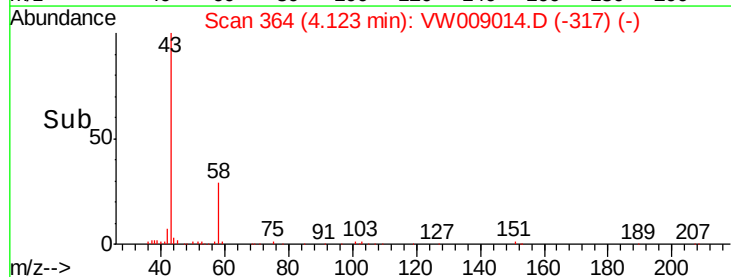
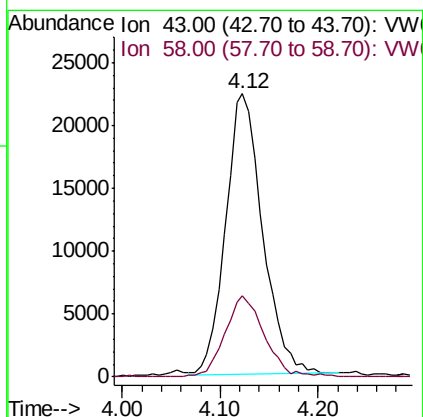
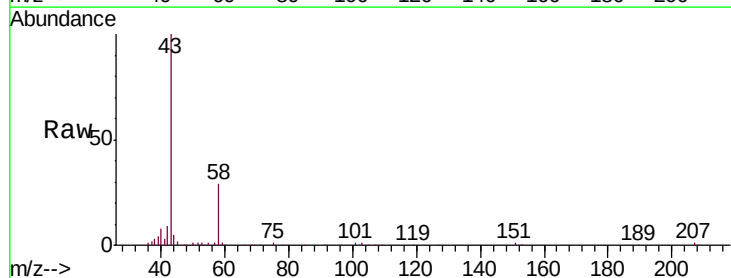
RT: 4.12 min Scan# 364

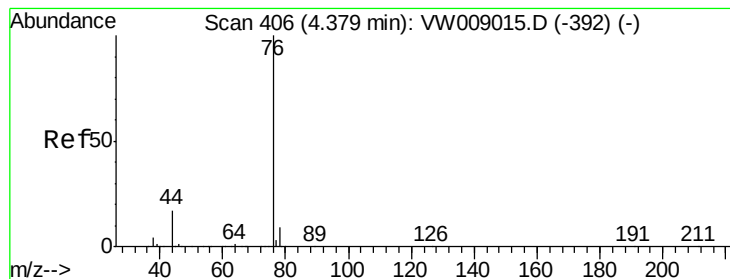
Delta R.T. -0.01 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 58811 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 28.8  | 21.6  | 32.4  |





#17

Carbon Disulfide

Concen: 19.943 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 171631

Ion Ratio Lower Upper

76 100

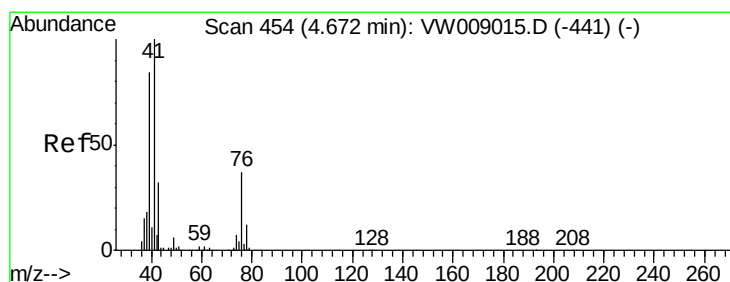
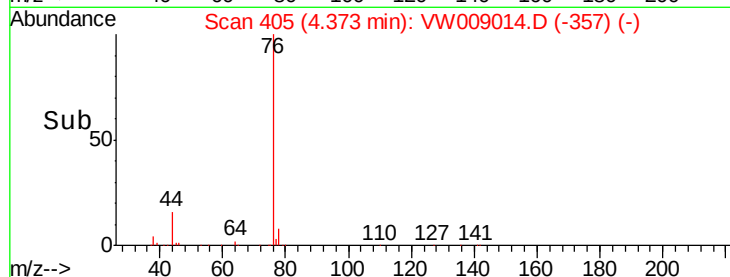
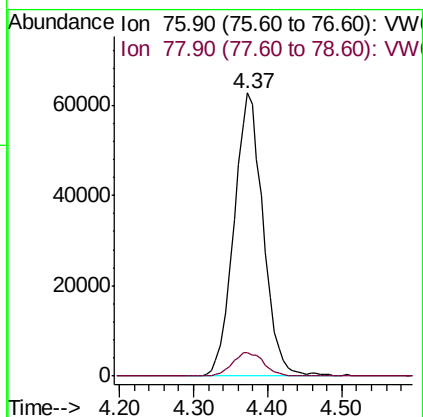
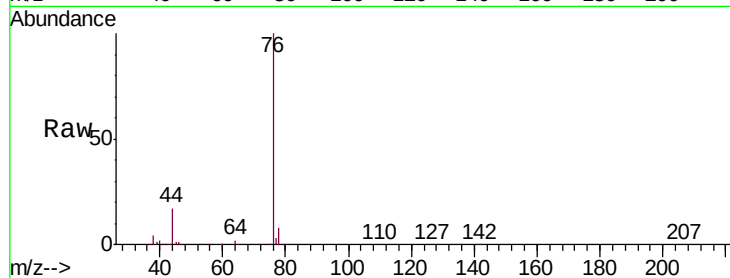
78 8.3 6.9 10.3

Manual Integrations

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#18

Methyl Acetate

Concen: 19.663 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW009014.D

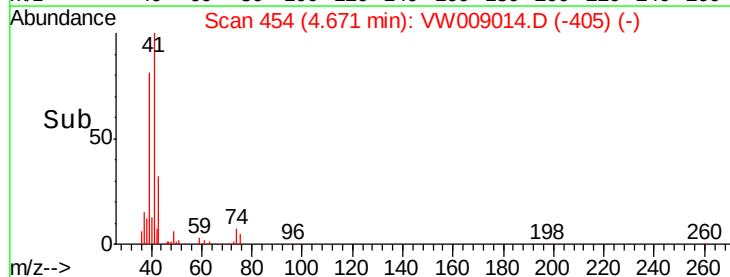
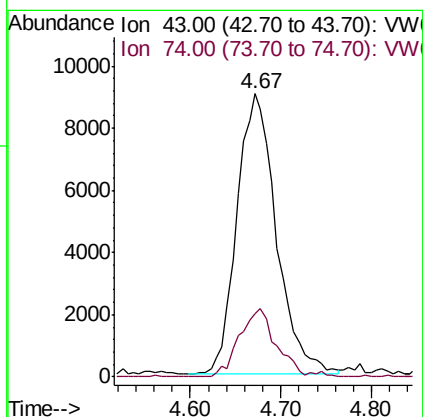
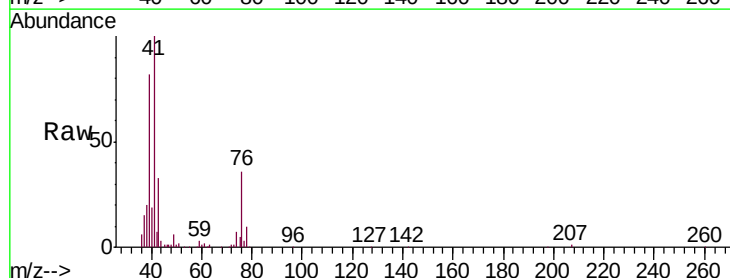
Acq: 06 Mar 2019 11:43

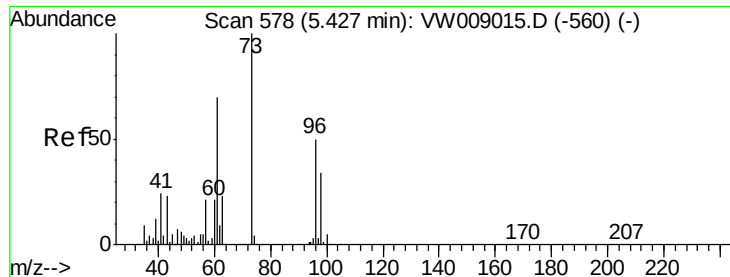
Tgt Ion: 43 Resp: 27160

Ion Ratio Lower Upper

43 100

74 22.5 17.7 26.5





#19

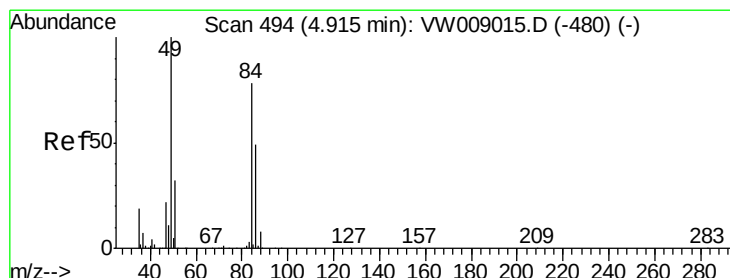
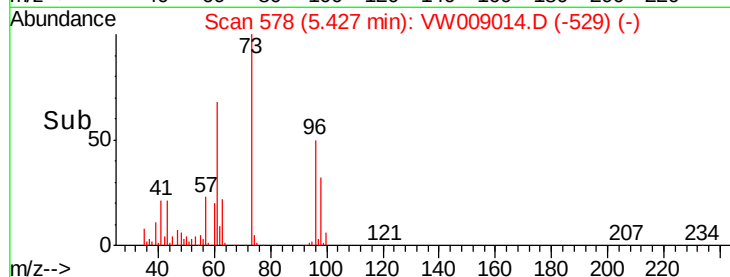
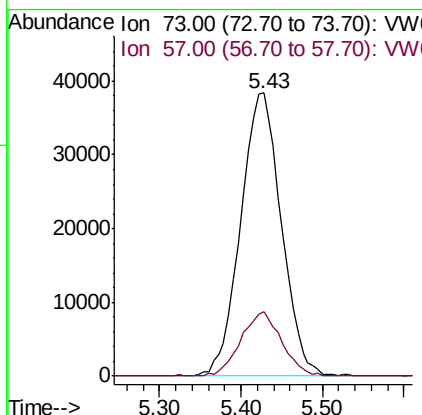
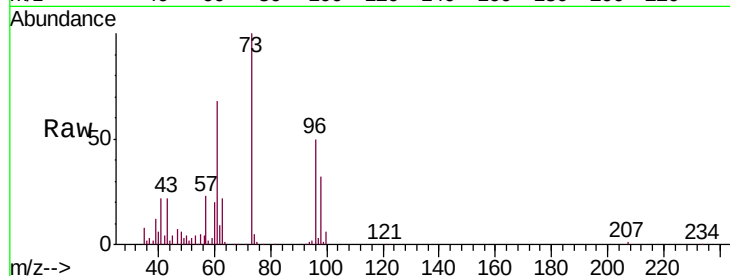
Methyl tert-butyl Ether  
 Concen: 20.016 ug/l  
 RT: 5.43 min Scan# 578  
 Delta R.T. -0.00 min  
 Lab File: VW009014.D  
 Acq: 06 Mar 2019 11:43

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDIC020

Tgt Ion: 73 Resp: 133060  
 Ion Ratio Lower Upper  
 73 100  
 57 22.8 17.0 25.6

Manual Integrations  
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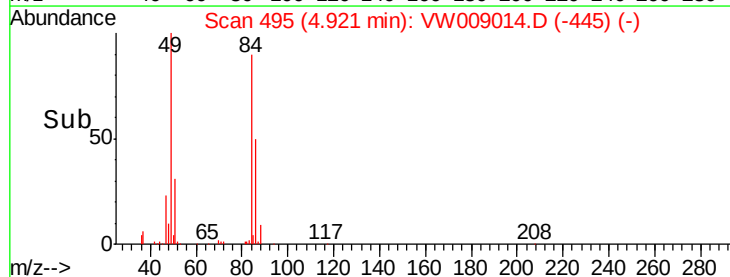
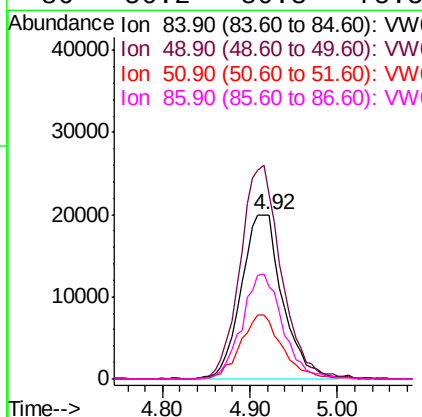
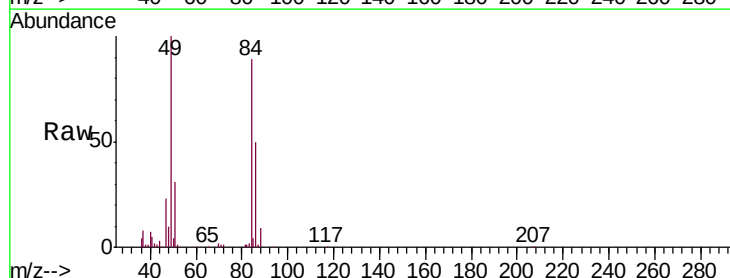
MMDadoda  
 3/8/2019 12:07:04 AM

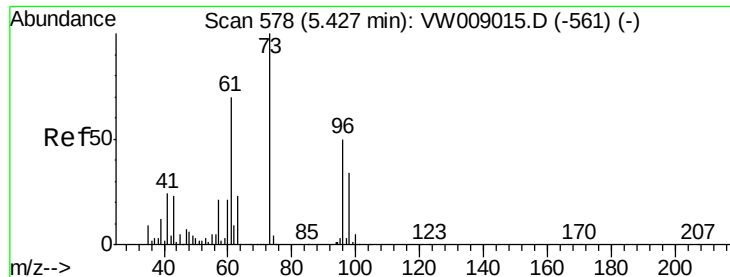


#20

Methylene Chloride  
 Concen: 18.470 ug/l  
 RT: 4.92 min Scan# 495  
 Delta R.T. 0.01 min  
 Lab File: VW009014.D  
 Acq: 06 Mar 2019 11:43

Tgt Ion: 84 Resp: 65482  
 Ion Ratio Lower Upper  
 84 100  
 49 112.2 102.8 154.2  
 51 34.9 32.4 48.6  
 86 56.2 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 20.264 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA\_W

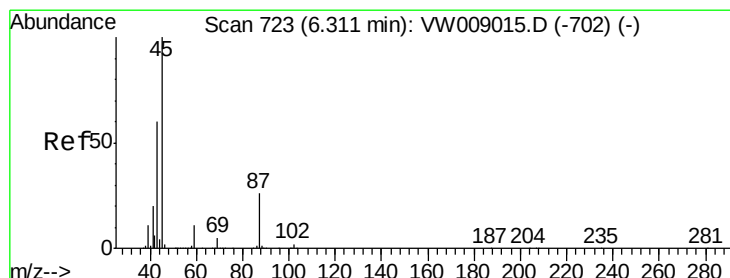
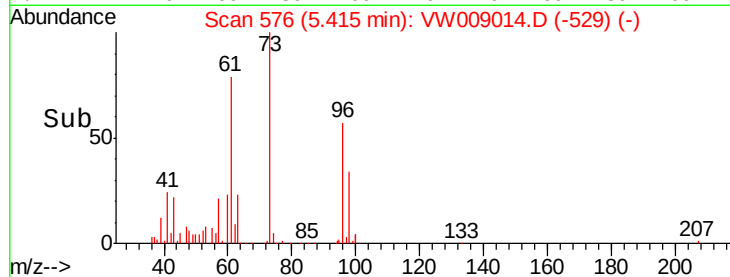
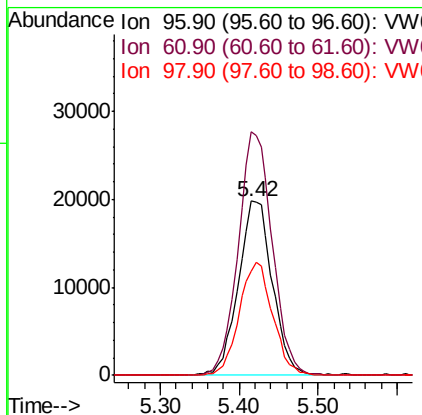
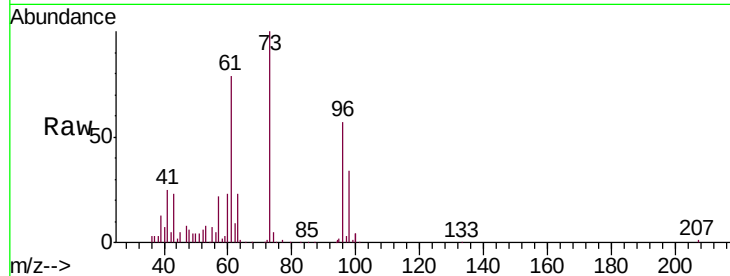
ClientSampleId :

VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 59522 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 139.7 | 113.2 | 169.8 |
| 98       | 59.8  | 55.7  | 83.5  |

Manual Integrations  
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#22

Diisopropyl ether

Concen: 19.705 ug/l

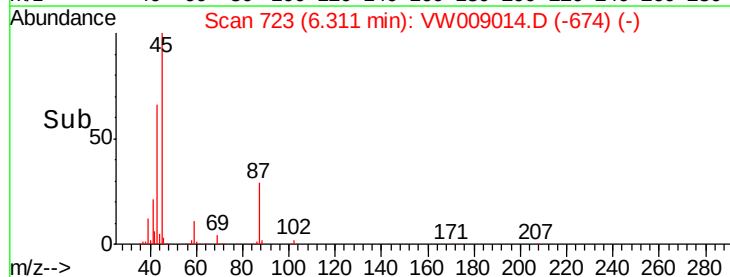
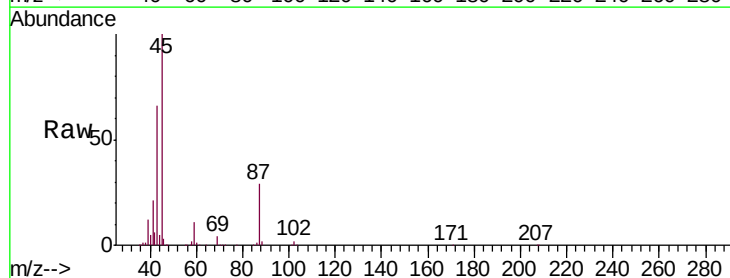
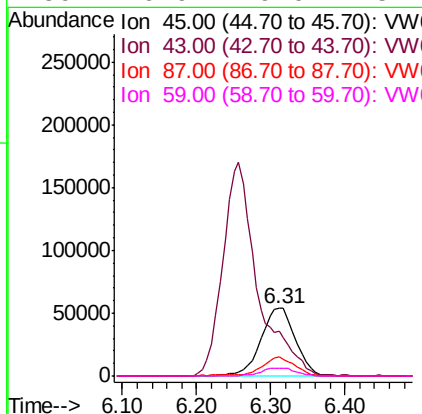
RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

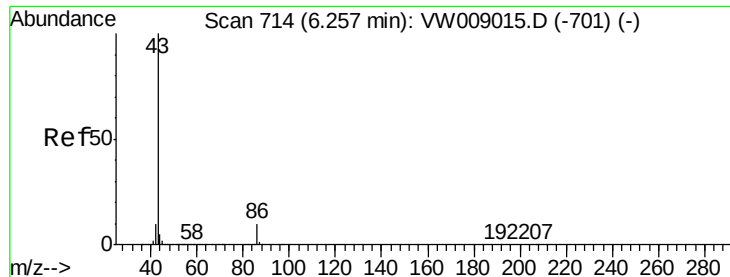
Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 174689 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 65.2  | 48.1  | 72.1   |
| 87       | 28.8  | 20.9  | 31.3   |
| 59       | 10.9  | 9.0   | 13.4   |







#23

Vinyl Acetate

Concen: 100.670 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 555858

Ion Ratio Lower Upper

43 100

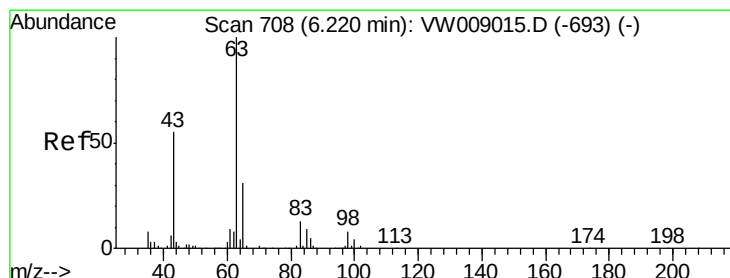
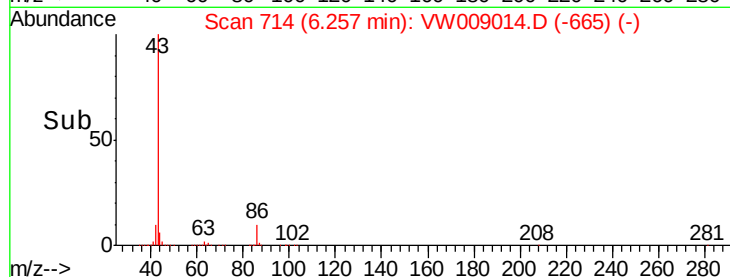
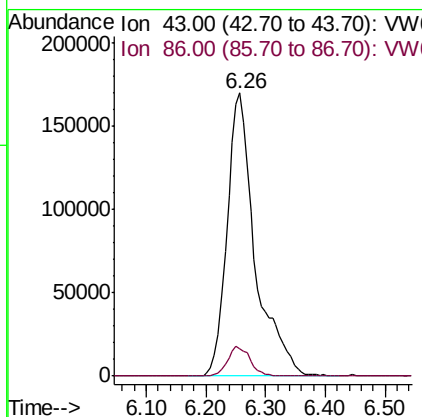
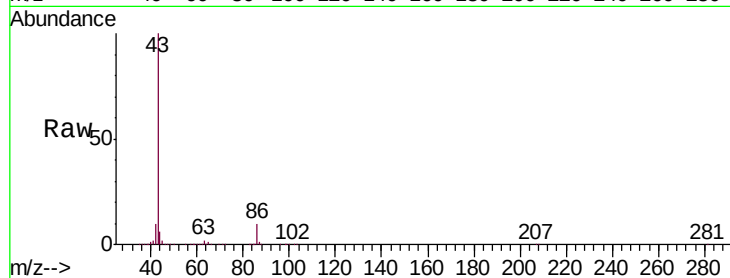
86 9.6 8.0 12.0

Manual Integrations

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MMDadoda

3/8/2019 12:07:04 AM



#24

1,1-Dichloroethane

Concen: 19.925 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

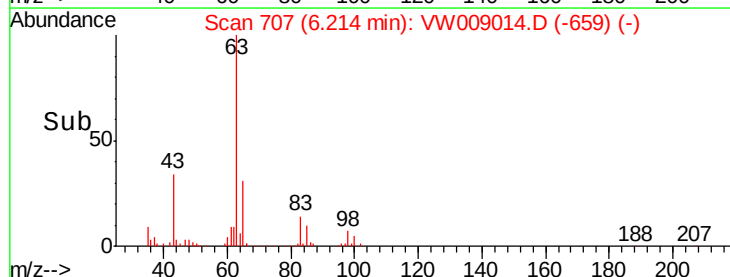
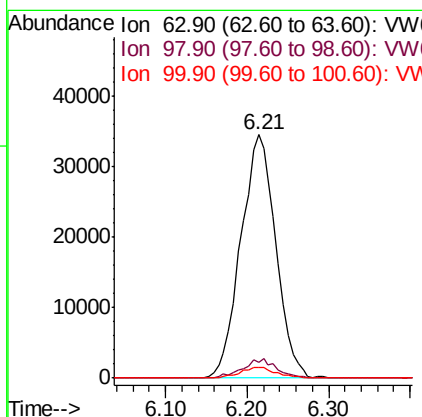
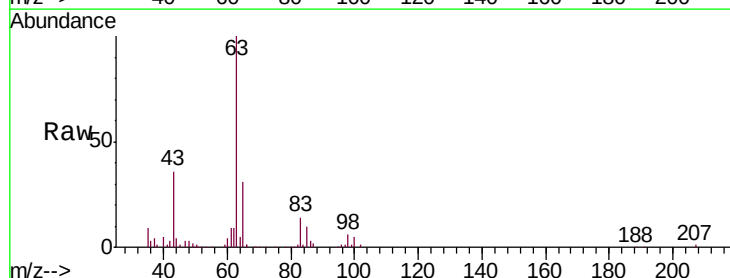
Tgt Ion: 63 Resp: 102711

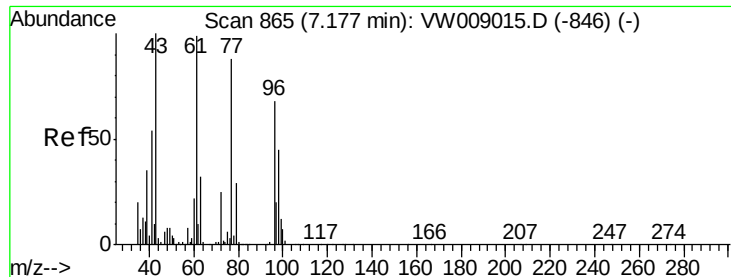
Ion Ratio Lower Upper

63 100

98 6.5 4.0 12.2

100 4.6 2.0 5.8





#25

2-Butanone

Concen: 100.973 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC020

Tgt Ion: 43 Resp: 87030

Ion Ratio Lower Upper

43 100

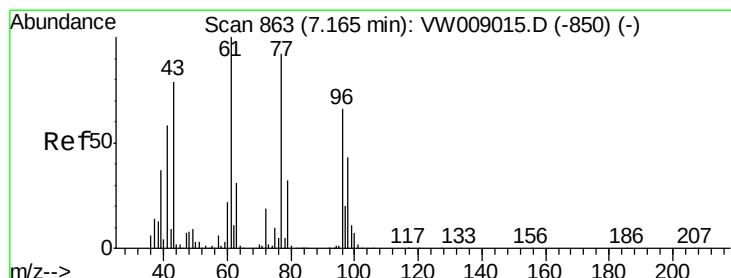
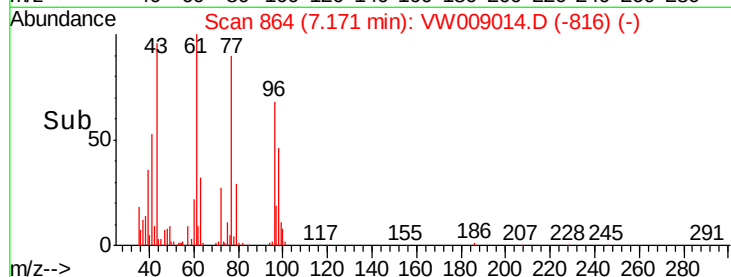
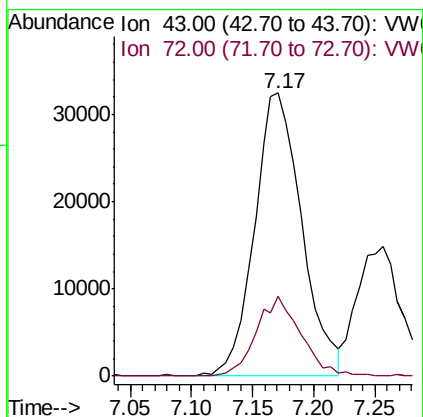
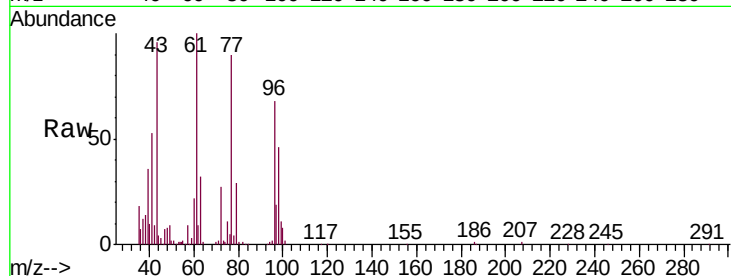
72 28.4 20.2 30.2

Manual Integrations

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3/8/2019 12:07:04 AM



#26

2,2-Dichloropropane

Concen: 19.968 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW009014.D

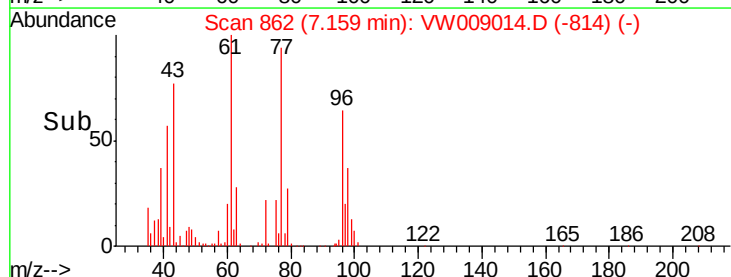
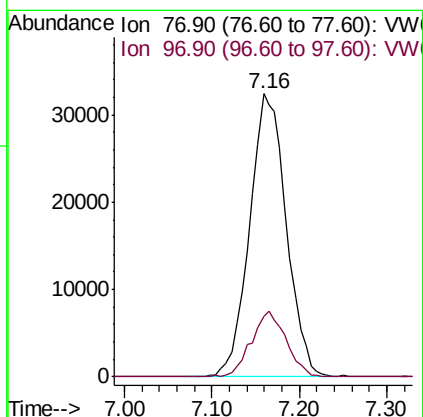
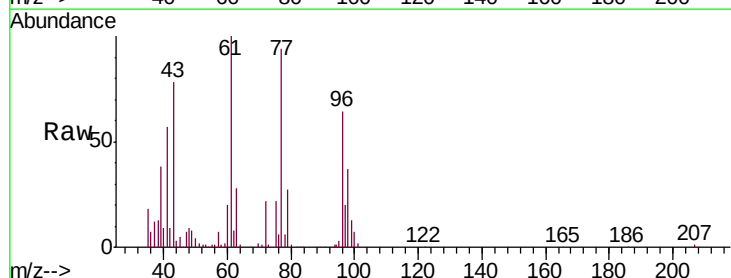
Acq: 06 Mar 2019 11:43

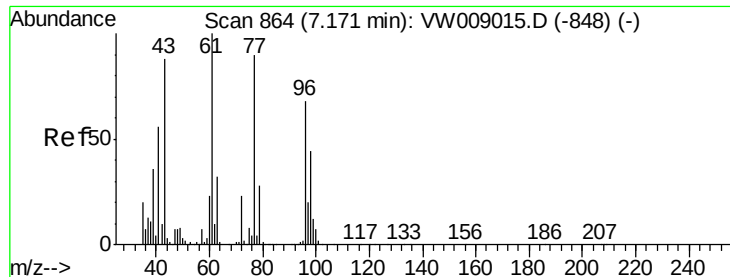
Tgt Ion: 77 Resp: 94155

Ion Ratio Lower Upper

77 100

97 22.0 10.7 32.1





#27

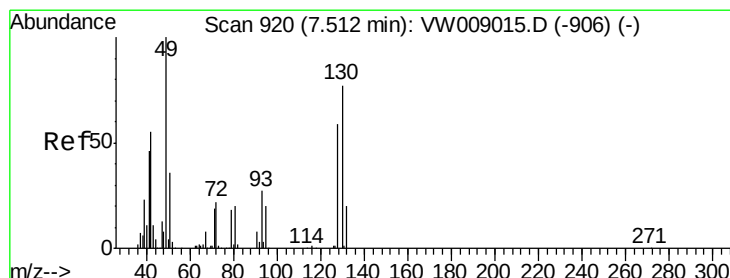
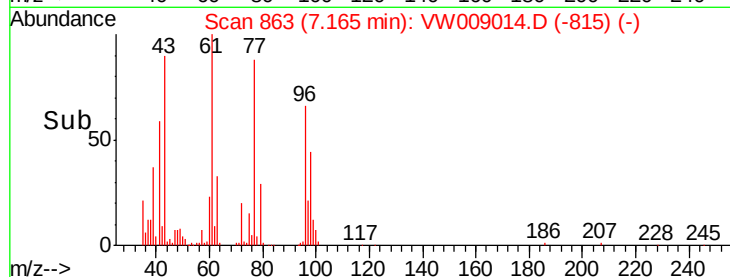
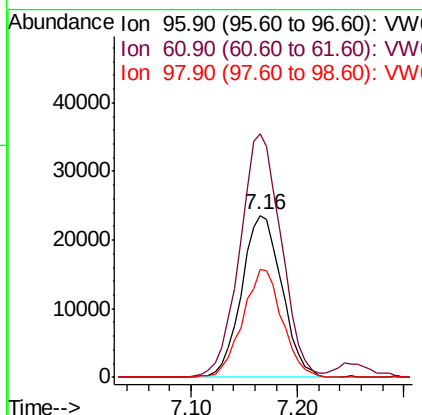
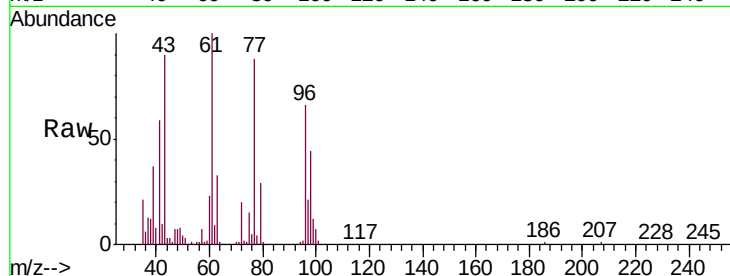
cis-1,2-Dichloroethene  
Concen: 20.263 ug/l  
RT: 7.16 min Scan# 863  
Delta R.T. -0.01 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 154.5 | 0.0   | 303.6 |
| 98      | 65.5  | 0.0   | 129.0 |

Manual Integrations  
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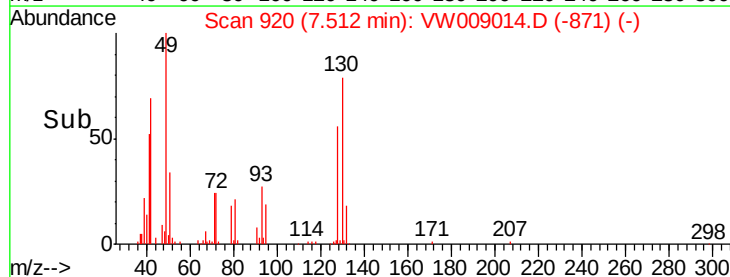
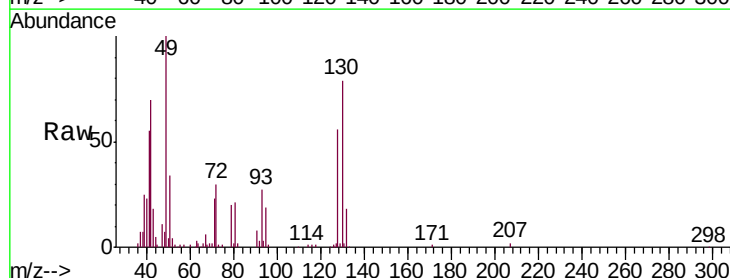
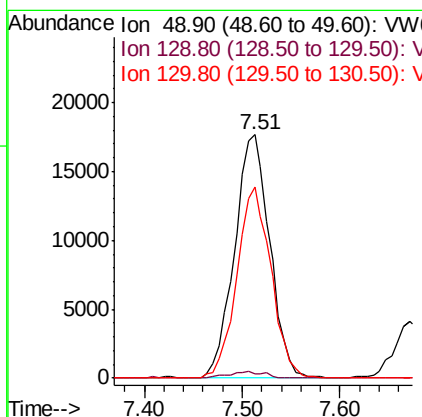
MMDadoda  
3/8/2019 12:07:04 AM

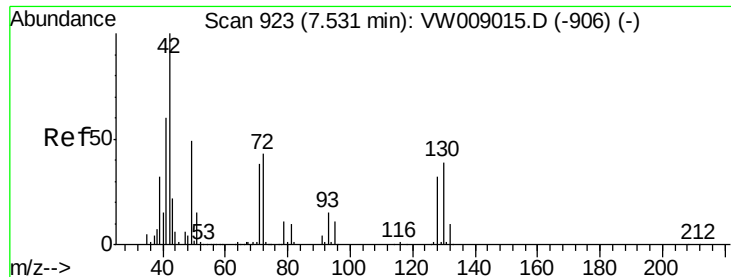


#28

Bromochloromethane  
Concen: 19.756 ug/l  
RT: 7.51 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.7   | 0.0   | 3.2   |
| 130     | 76.2  | 59.9  | 89.9  |





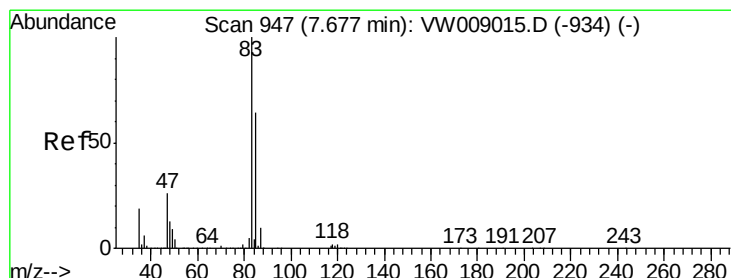
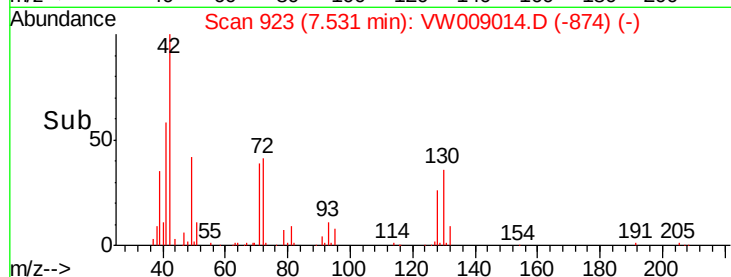
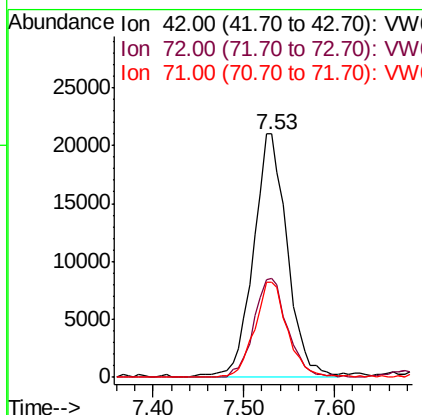
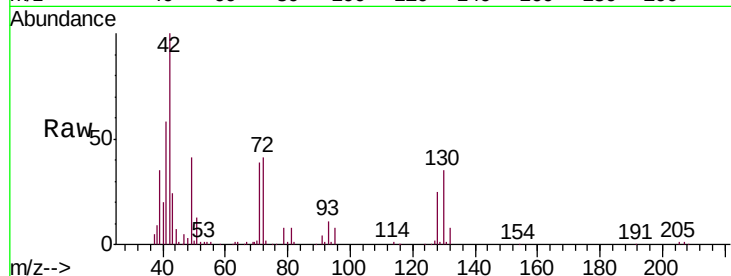
#29  
Tetrahydrofuran  
Concen: 100.292 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. -0.00 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 40.5  | 32.5  | 48.7  |
| 71      | 38.0  | 31.6  | 47.4  |

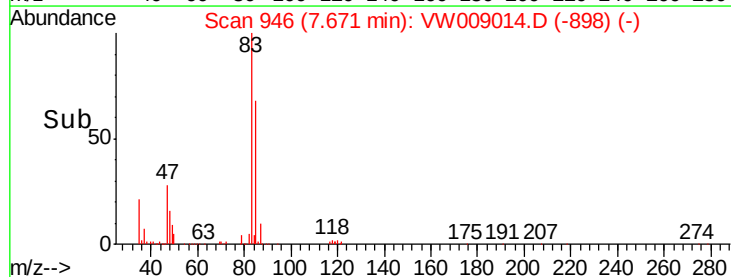
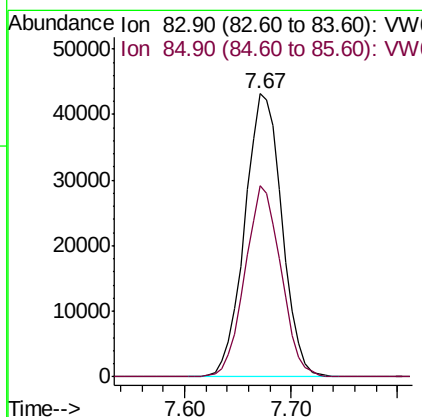
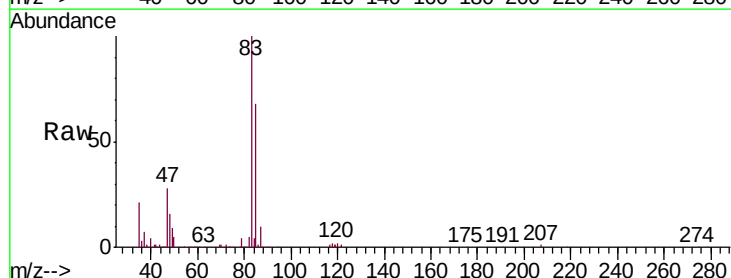
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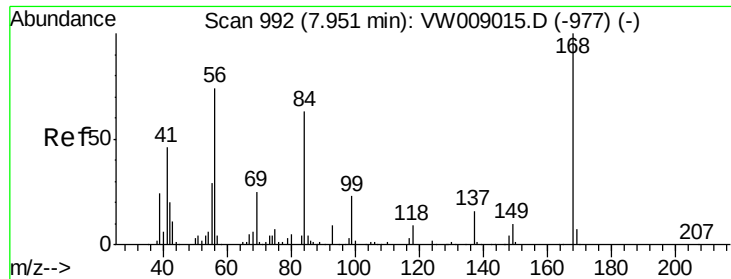
MMDadoda  
3/8/2019 12:07:04 AM



#30  
Chloroform  
Concen: 20.074 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. -0.01 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 67.6  | 51.4  | 77.0  |





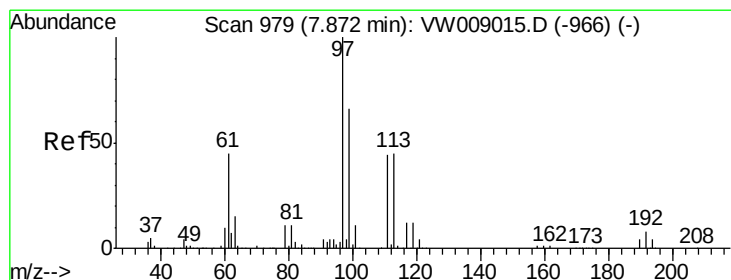
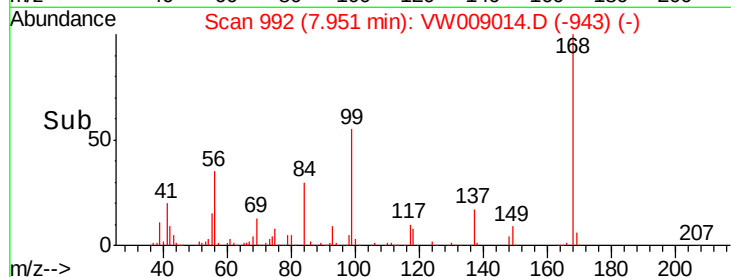
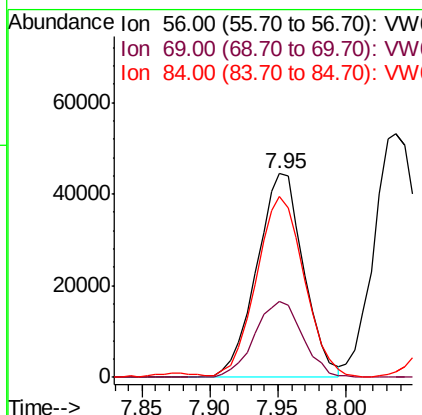
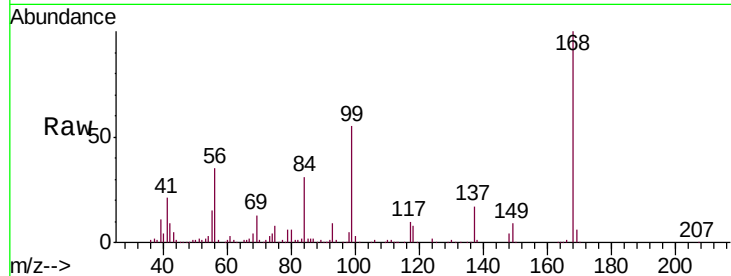
#31  
Cyclohexane  
Concen: 20.228 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. -0.00 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 37.1  | 27.0  | 40.4  |
| 84      | 87.5  | 68.3  | 102.5 |

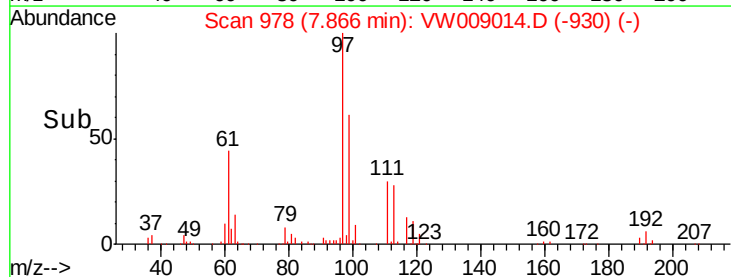
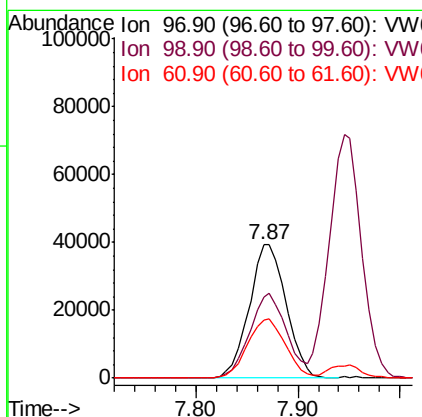
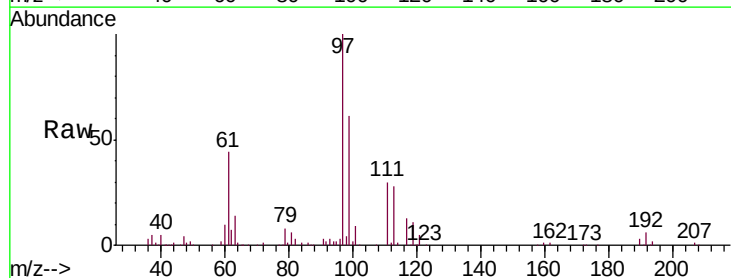
Manual Integrations  
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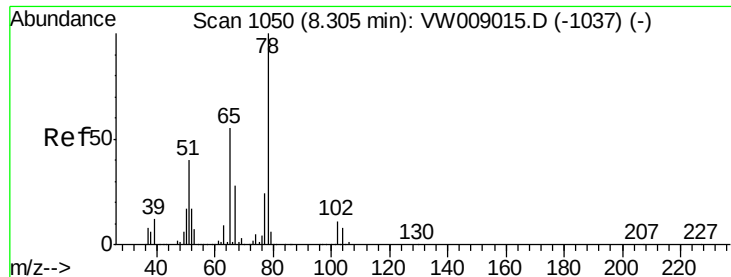
MMDadoda  
3/8/2019 12:07:04 AM



#32  
1,1,1-Trichloroethane  
Concen: 20.417 ug/l  
RT: 7.87 min Scan# 978  
Delta R.T. -0.01 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.7  | 51.4  | 77.0  |
| 61      | 45.5  | 37.4  | 56.0  |





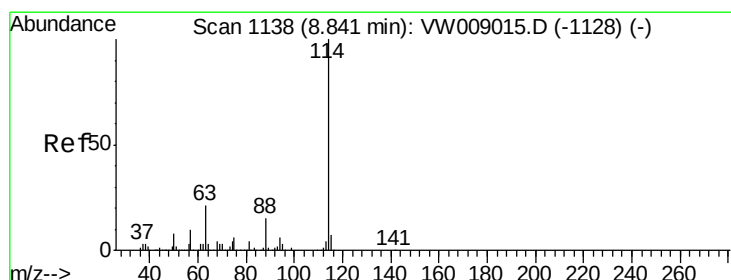
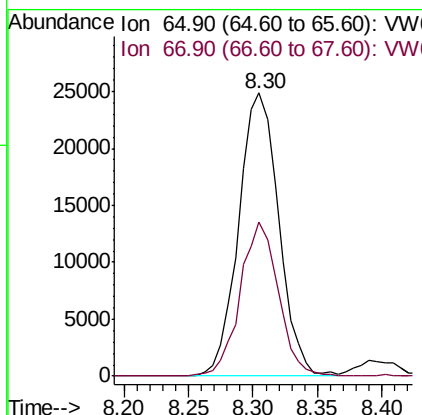
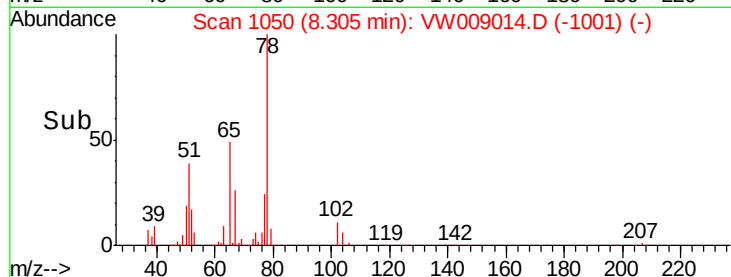
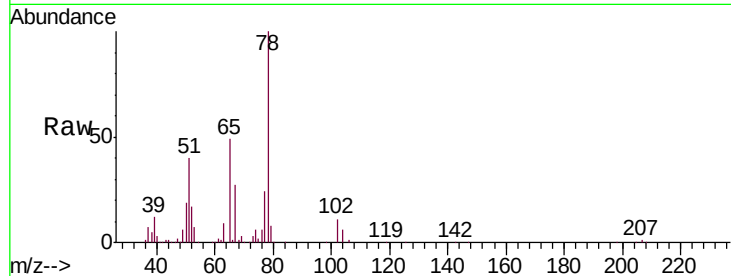
#33  
 1,2-Dichloroethane-d4  
 Concen: 18.186 ug/l  
 RT: 8.30 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW009014.D  
 Acq: 06 Mar 2019 11:43

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDIC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 51.7  | 0.0   | 102.2 |

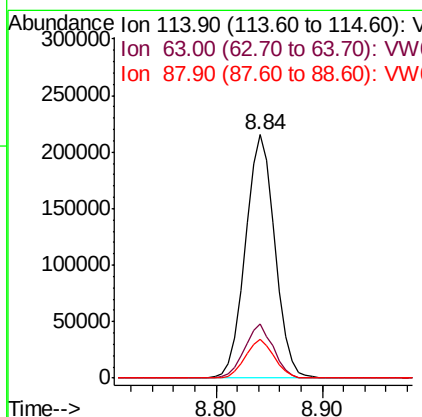
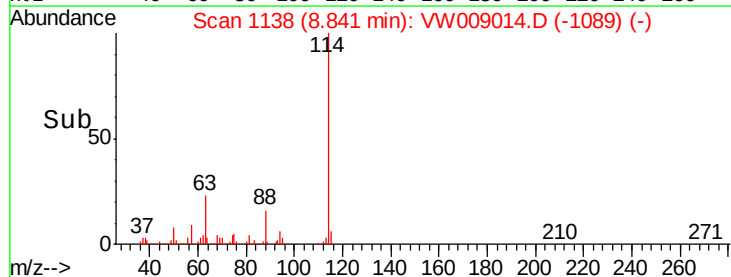
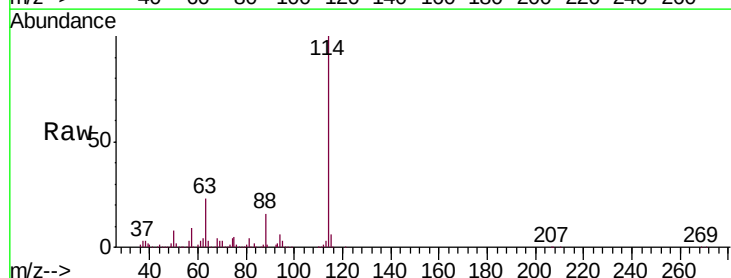
Manual Integrations  
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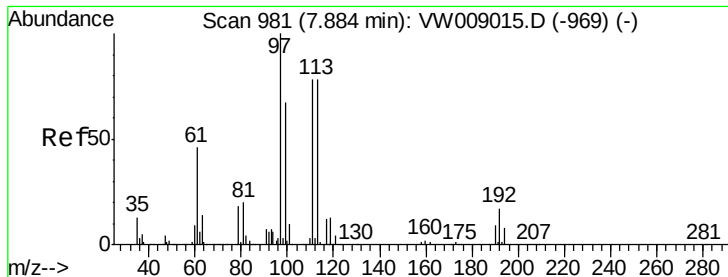
MMDadoda  
 3/8/2019 12:07:04 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW009014.D  
 Acq: 06 Mar 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.5  | 0.0   | 42.4  |
| 88      | 15.9  | 0.0   | 30.8  |





#35

Dibromofluoromethane

Concen: 18.829 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA\_W

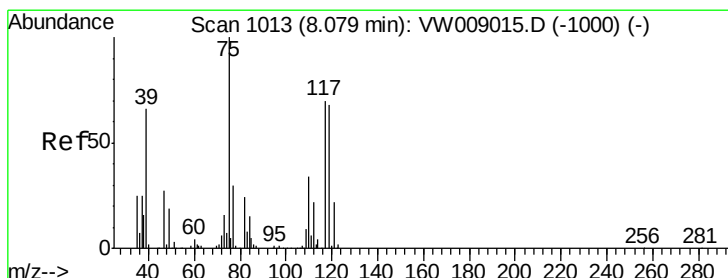
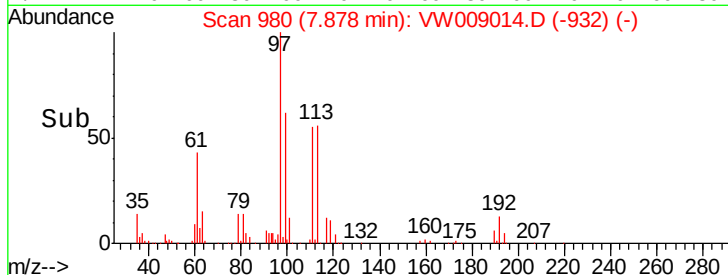
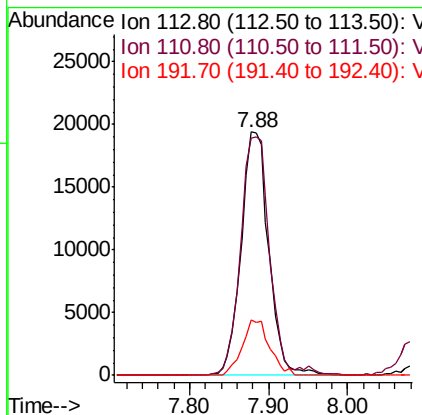
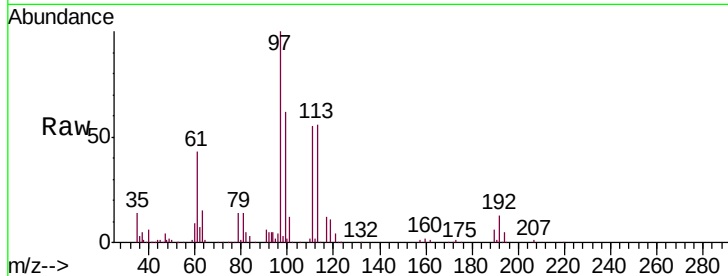
ClientSampleId :

VSTDIC020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 47261 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 101.5 | 80.5  | 120.7 |
| 192       | 22.3  | 16.7  | 25.1  |

Manual Integrations  
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#36

1,1-Dichloropropene

Concen: 20.716 ug/l

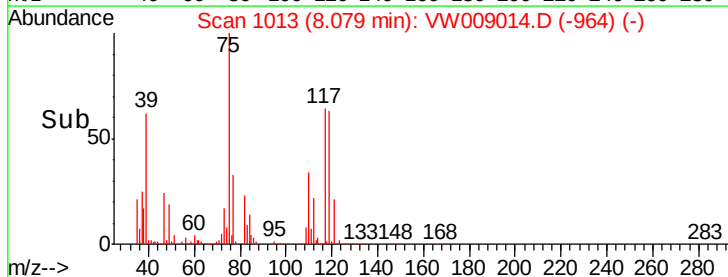
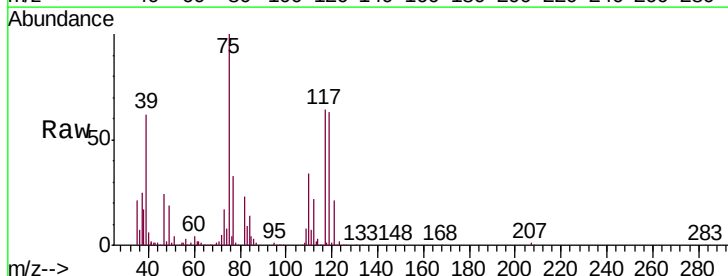
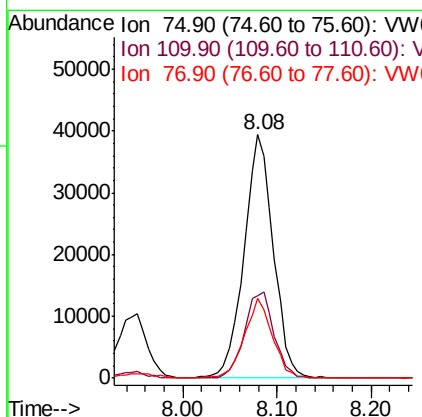
RT: 8.08 min Scan# 1013

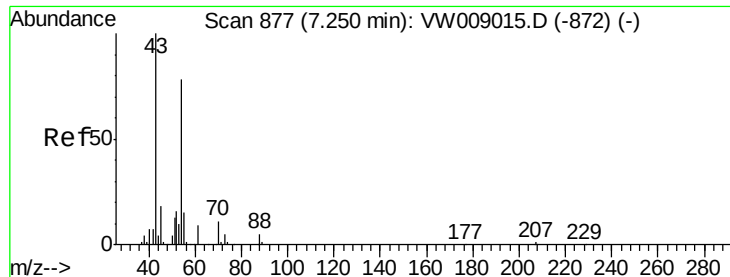
Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 85887 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 35.6  | 17.3  | 51.9  |
| 77        | 31.4  | 24.8  | 37.2  |





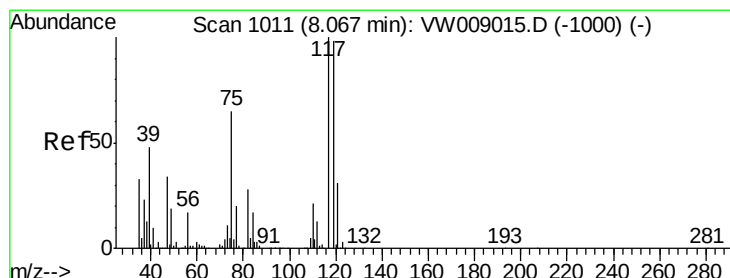
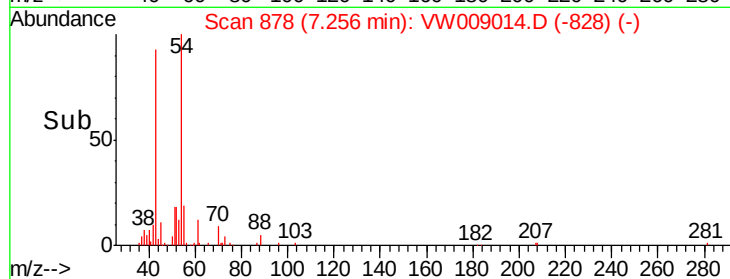
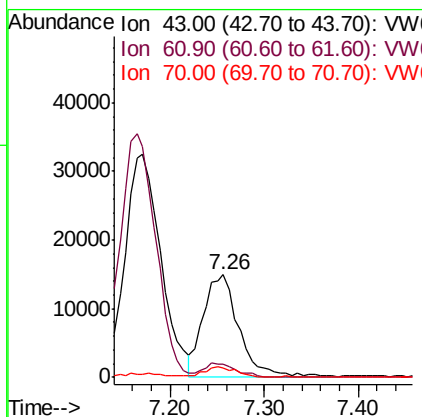
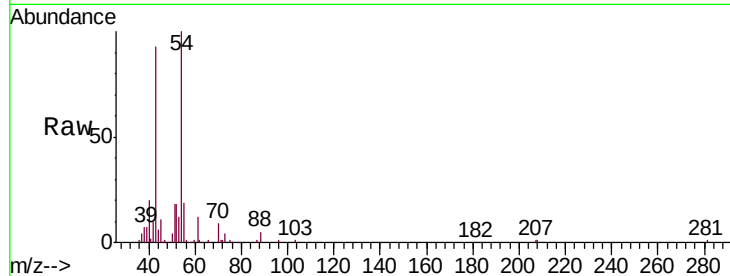
#37  
Ethyl Acetate  
Concen: 20.999 ug/l  
RT: 7.26 min Scan# 878  
Delta R.T. 0.01 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 12.7  | 10.6  | 15.8  |
| 70      | 9.4   | 7.8   | 11.8  |

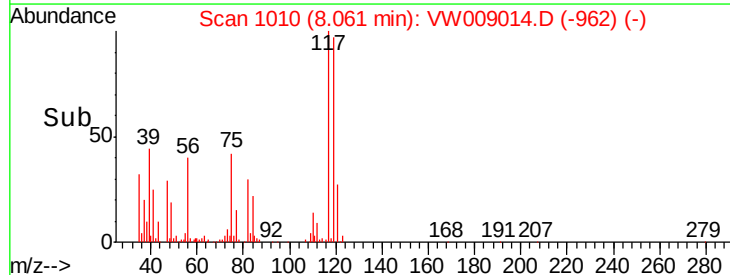
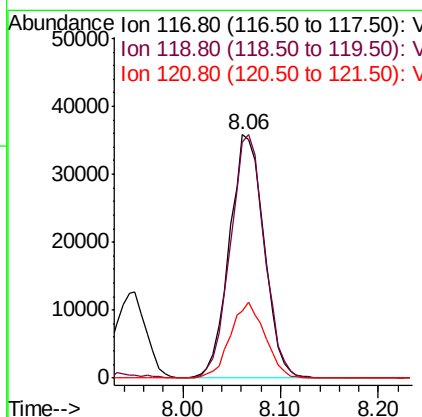
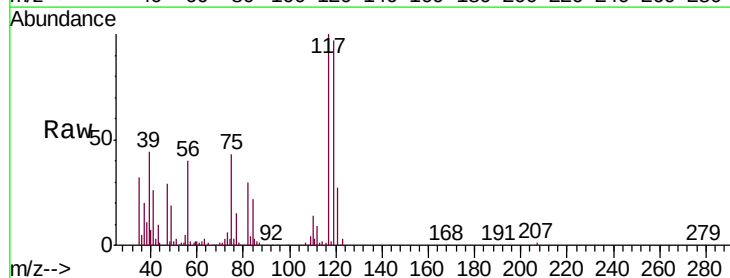
Manual Integrations  
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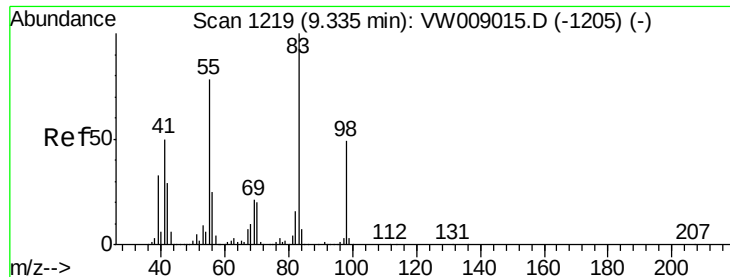


#38  
Carbon Tetrachloride  
Concen: 20.514 ug/l  
RT: 8.06 min Scan# 1010  
Delta R.T. -0.01 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.1  | 78.4  | 117.6 |
| 121     | 27.4  | 24.7  | 37.1  |







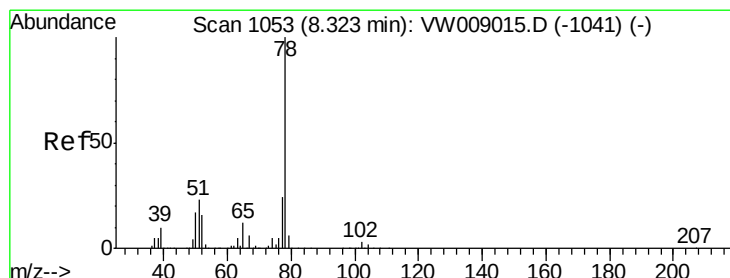
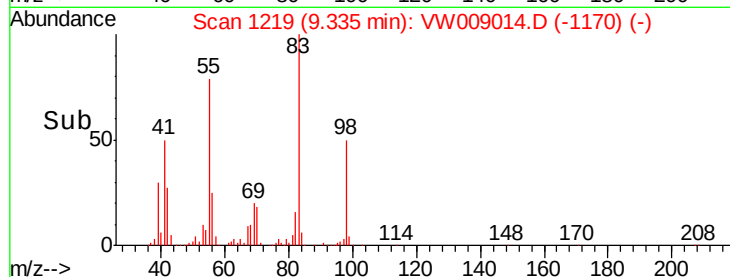
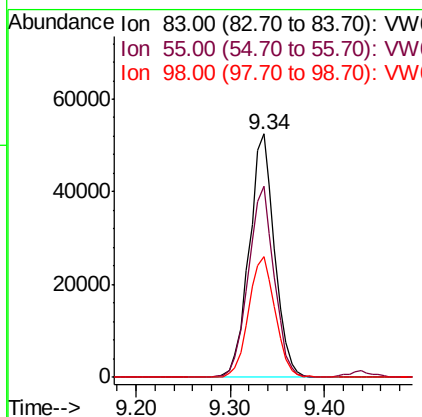
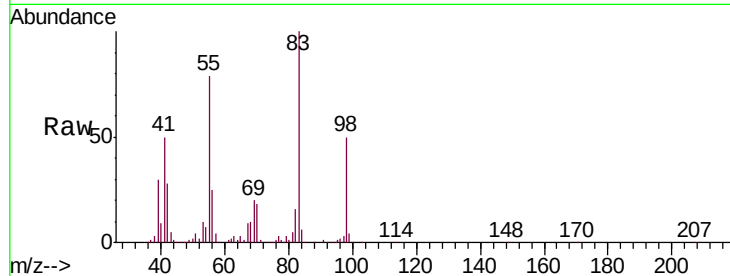
#39  
Methylcyclohexane  
Concen: 19.846 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 78.7  | 62.6  | 93.8  |
| 98      | 49.8  | 39.4  | 59.2  |

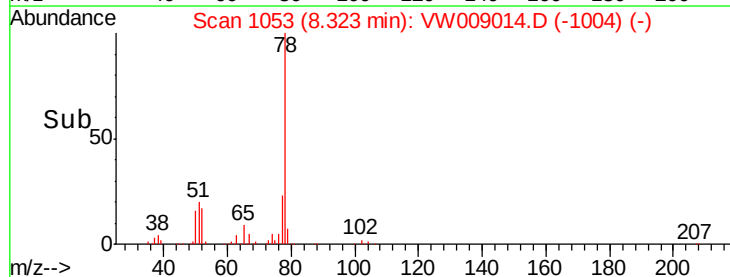
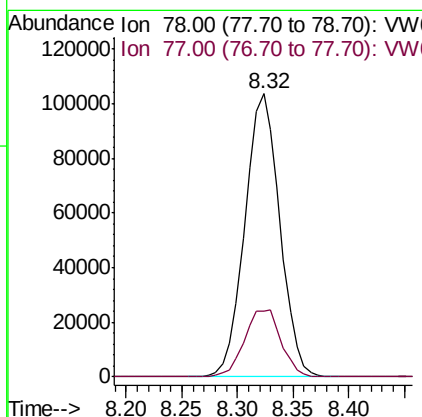
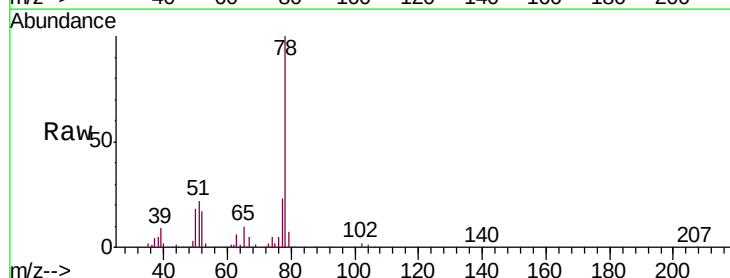
Manual Integrations  
APPROVED

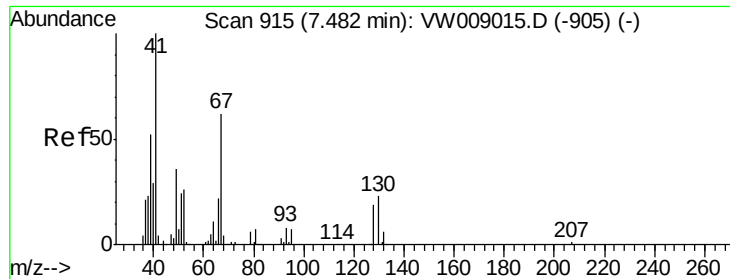
MMDadoda  
3/8/2019 12:07:04 AM



#40  
Benzene  
Concen: 20.268 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. -0.00 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.1  | 18.9  | 28.3  |





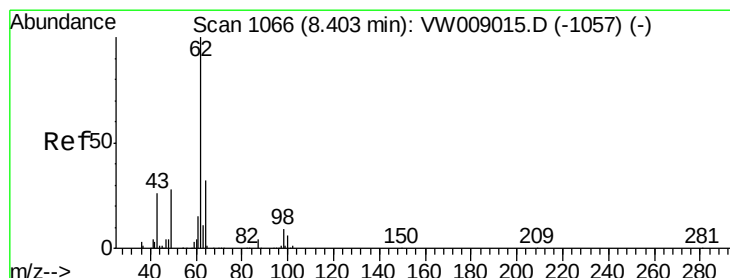
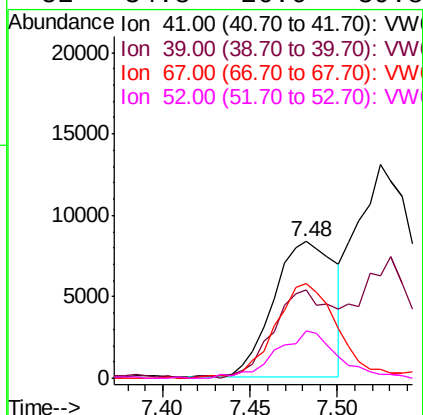
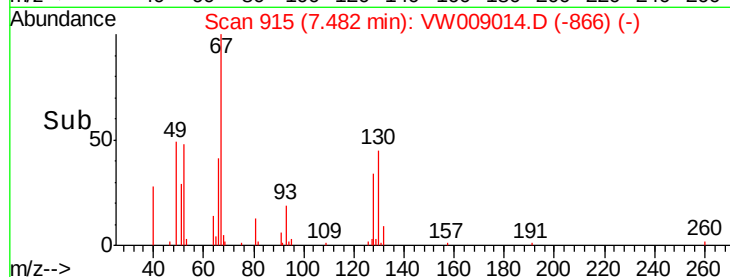
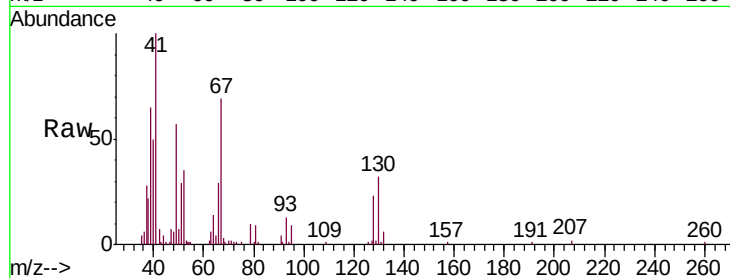
#41  
Methacrylonitrile  
Concen: 18.812 ug/l  
RT: 7.48 min Scan# 915  
Delta R.T. -0.00 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 63.2  | 50.6  | 75.8  |
| 67      | 73.3  | 59.0  | 88.6  |
| 52      | 34.8  | 26.6  | 39.8  |

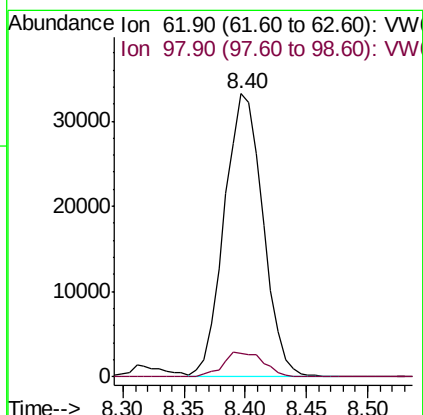
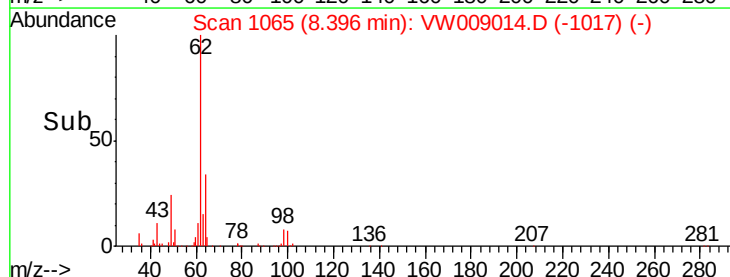
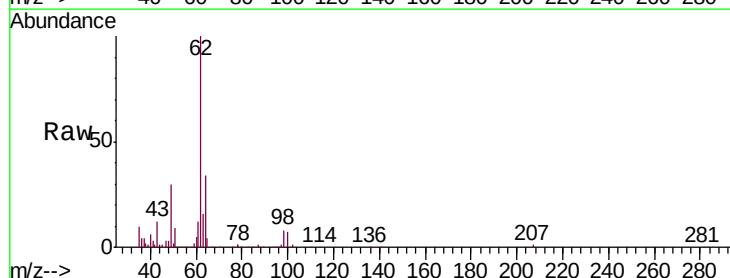
Manual Integrations  
APPROVED

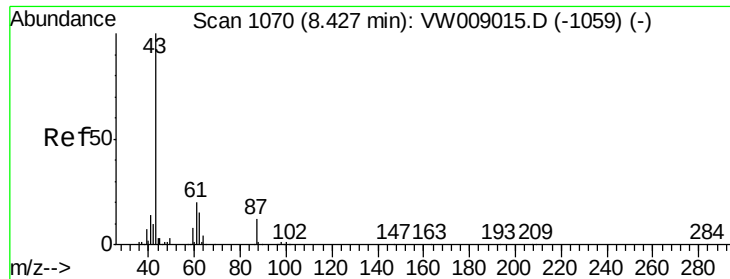
MMDadoda  
3/8/2019 12:07:04 AM



#42  
1,2-Dichloroethane  
Concen: 20.294 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. -0.01 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 9.3   | 0.0   | 17.8  |





#43

Isopropyl Acetate

Concen: 20.119 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA\_W

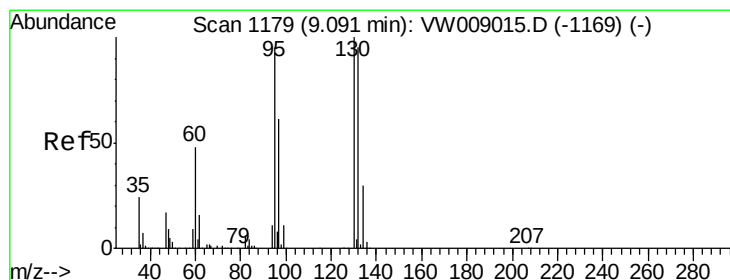
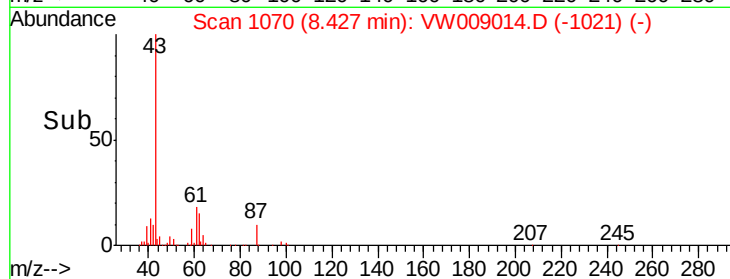
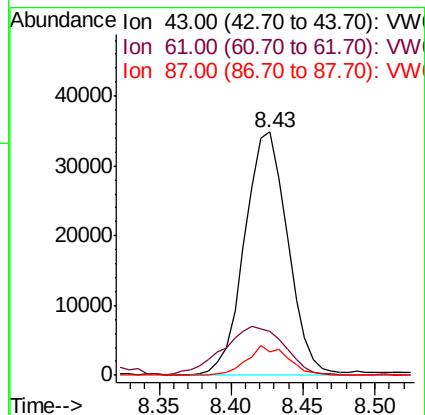
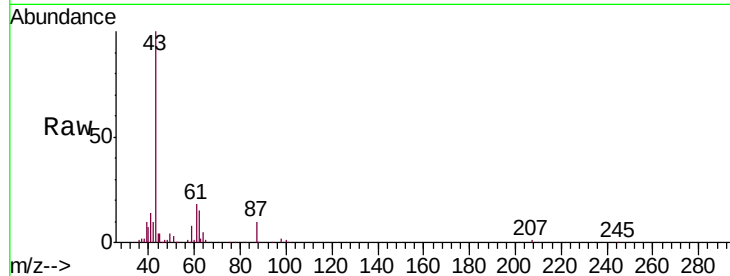
ClientSampleId :

VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 72526 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 28.9  | 23.5  | 35.3  |
| 87       | 11.8  | 9.4   | 14.2  |

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3/8/2019 12:07:04 AM



#44

Trichloroethene

Concen: 21.212 ug/l

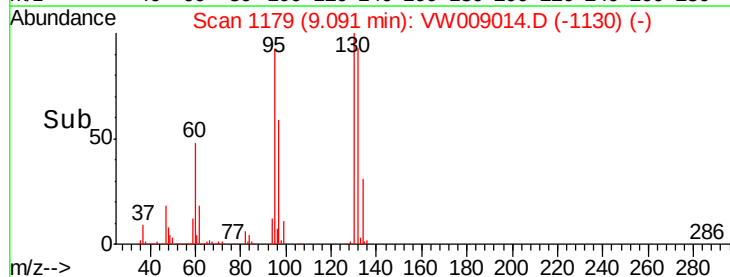
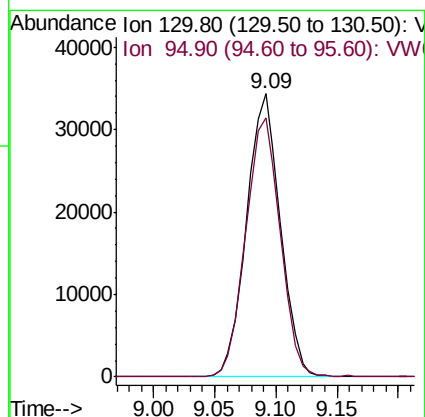
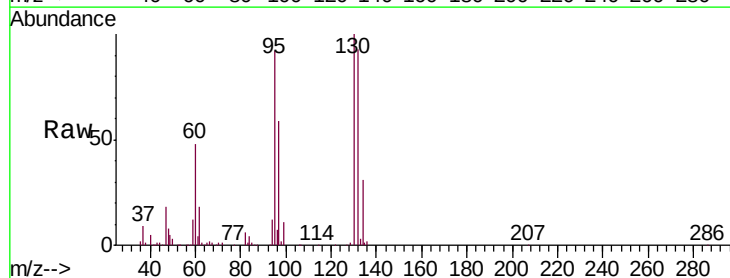
RT: 9.09 min Scan# 1179

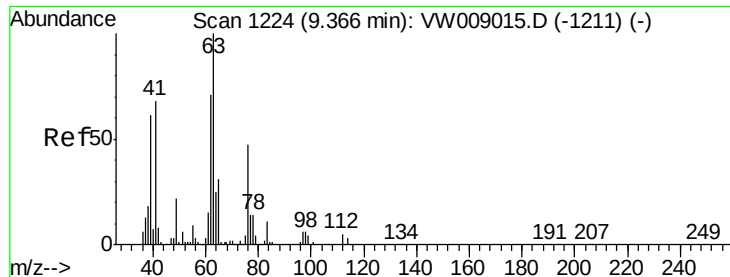
Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 66141 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 91.7  | 0.0   | 190.0 |





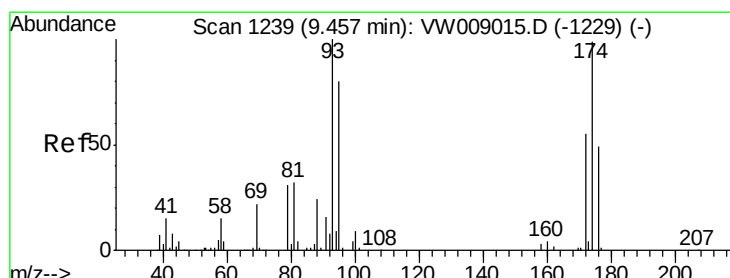
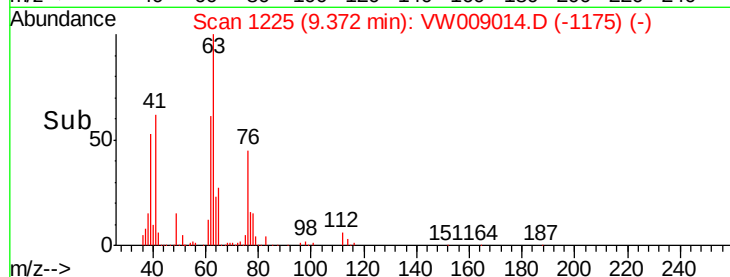
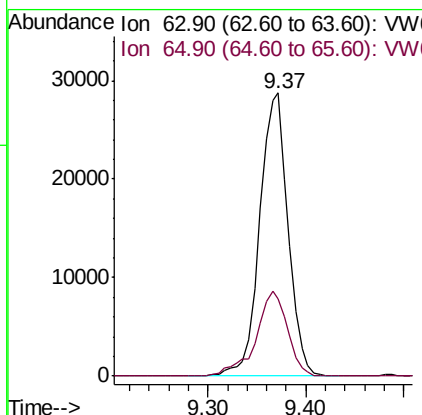
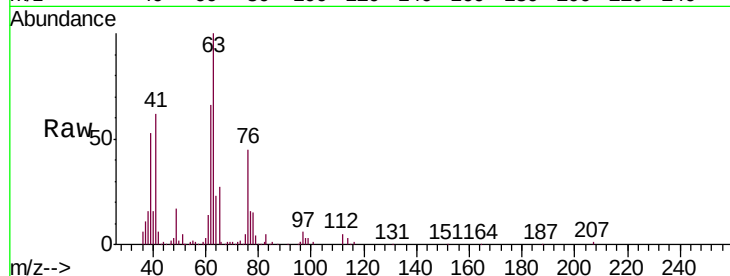
#45  
 1,2-Dichloropropane  
 Concen: 20.993 ug/l  
 RT: 9.37 min Scan# 1225  
 Delta R.T. 0.01 min  
 Lab File: VW009014.D  
 Acq: 06 Mar 2019 11:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

Tgt Ion: 63 Resp: 58197  
 Ion Ratio Lower Upper  
 63 100  
 65 27.2 25.0 37.4

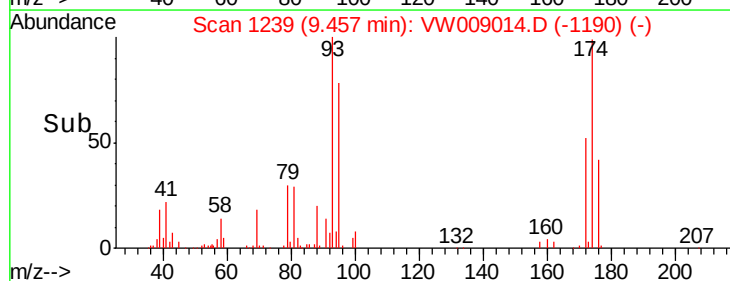
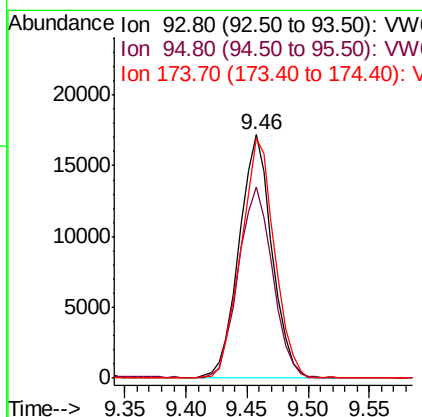
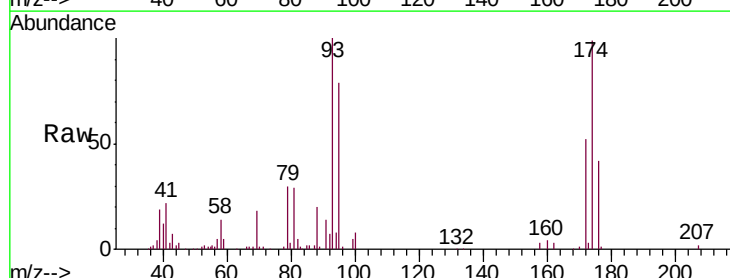
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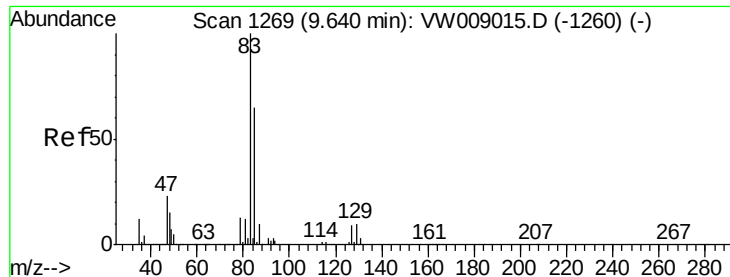
MMDadoda  
 3/8/2019 12:07:04 AM



#46  
 Dibromomethane  
 Concen: 20.923 ug/l  
 RT: 9.46 min Scan# 1239  
 Delta R.T. -0.00 min  
 Lab File: VW009014.D  
 Acq: 06 Mar 2019 11:43

Tgt Ion: 93 Resp: 32000  
 Ion Ratio Lower Upper  
 93 100  
 95 81.8 64.1 96.1  
 174 100.6 81.3 121.9





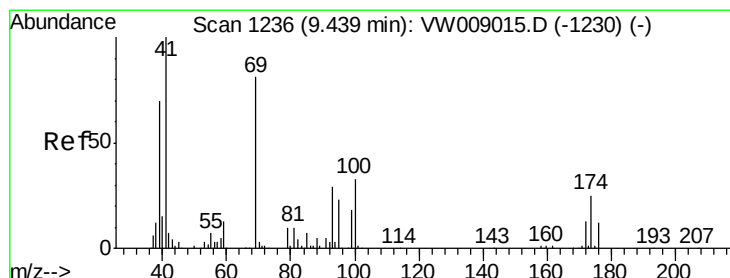
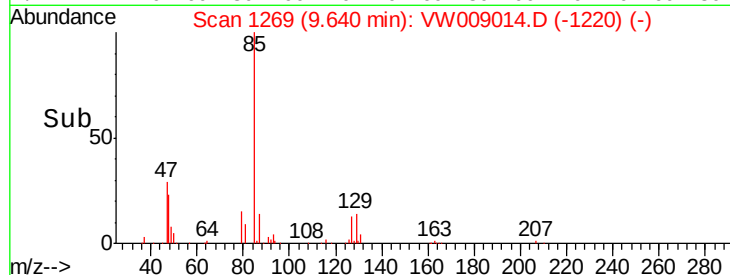
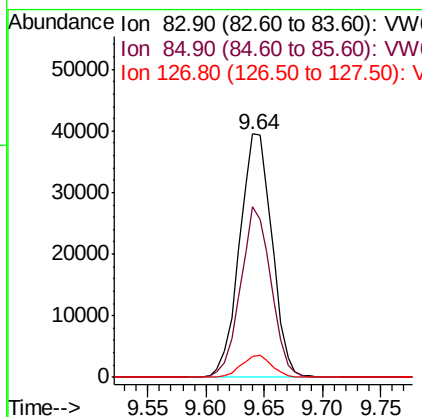
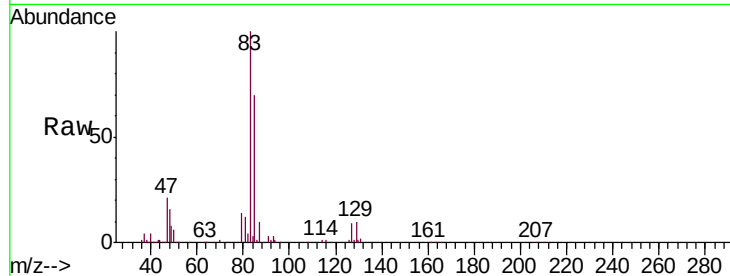
#47  
 Bromodichloromethane  
 Concen: 20.039 ug/l  
 RT: 9.64 min Scan# 1269  
 Delta R.T. -0.00 min  
 Lab File: VW009014.D  
 Acq: 06 Mar 2019 11:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 69.9  | 51.9  | 77.9  |
| 127     | 8.8   | 7.0   | 10.6  |

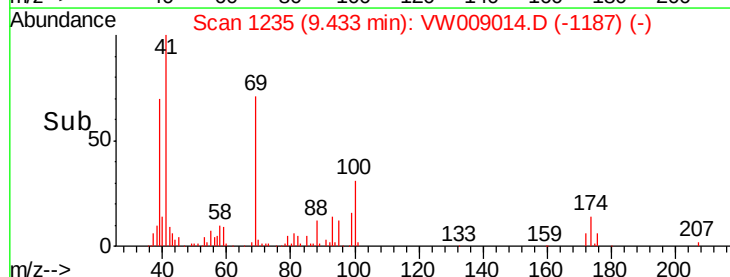
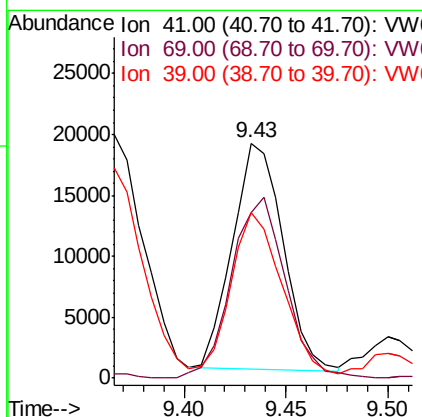
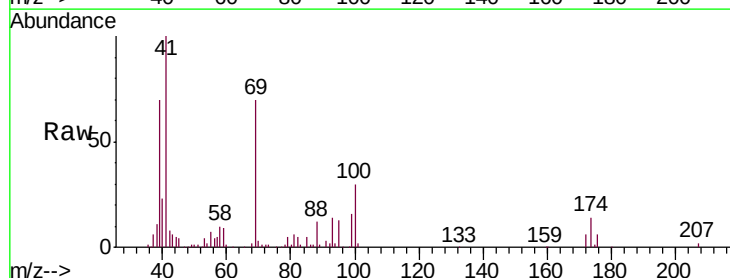
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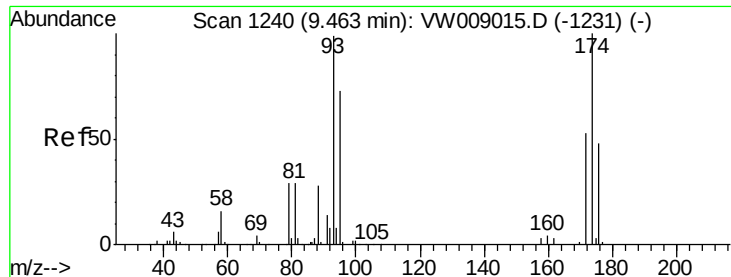
MMDadoda  
 3/8/2019 12:07:04 AM



#48  
 Methyl methacrylate  
 Concen: 18.893 ug/l  
 RT: 9.43 min Scan# 1235  
 Delta R.T. -0.01 min  
 Lab File: VW009014.D  
 Acq: 06 Mar 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 84.9  | 61.8  | 92.6  |
| 39      | 75.3  | 50.5  | 75.7  |





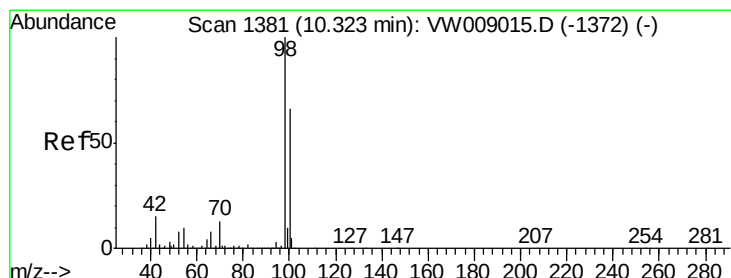
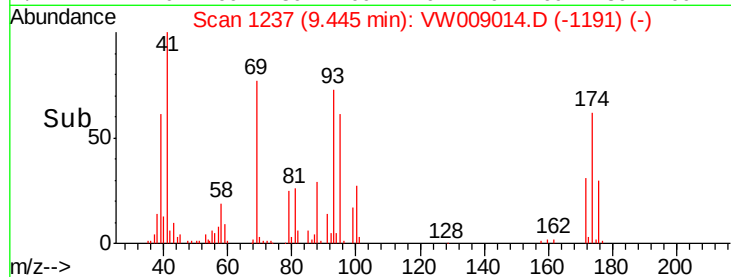
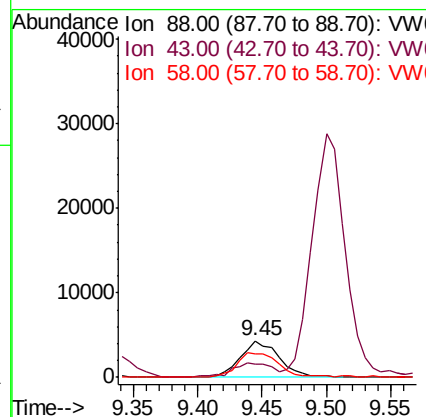
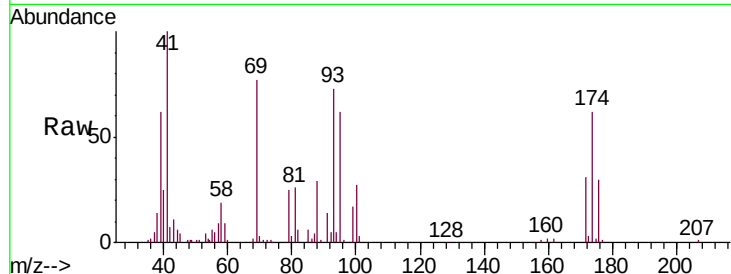
#49  
1,4-Dioxane  
Concen: 430.183 ug/l  
RT: 9.45 min Scan# 1237  
Delta R.T. -0.02 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

Tgt Ion: 88 Resp: 8994  
Ion Ratio Lower Upper  
88 100  
43 37.1 0.0 0.0#  
58 71.7 55.0 82.6

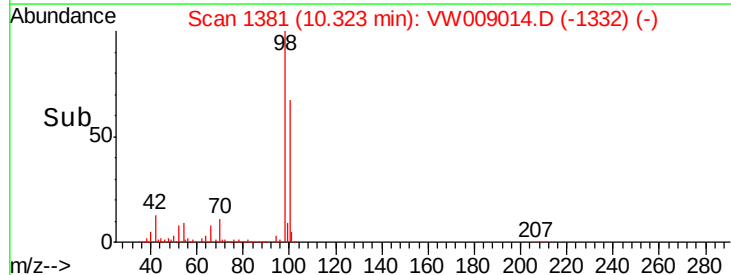
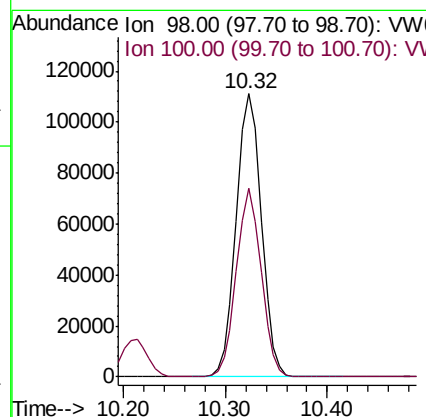
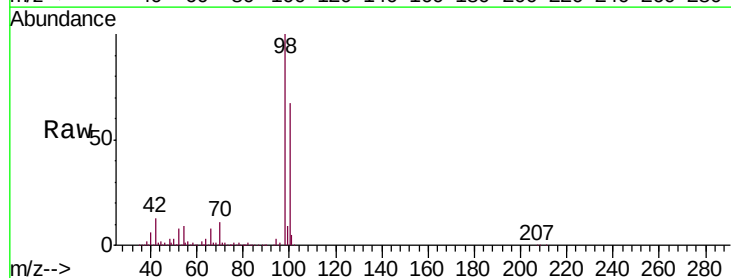
Manual Integrations  
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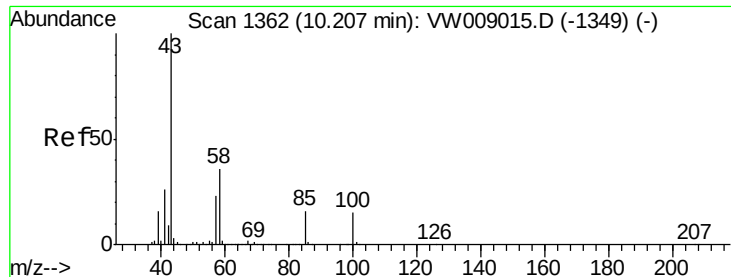
MMDadoda  
3/8/2019 12:07:04 AM



#50  
Toluene-d8  
Concen: 18.373 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

Tgt Ion: 98 Resp: 189511  
Ion Ratio Lower Upper  
98 100  
100 65.8 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 100.265 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC020

Tgt Ion: 43 Resp: 182777

Ion Ratio Lower Upper

43 100

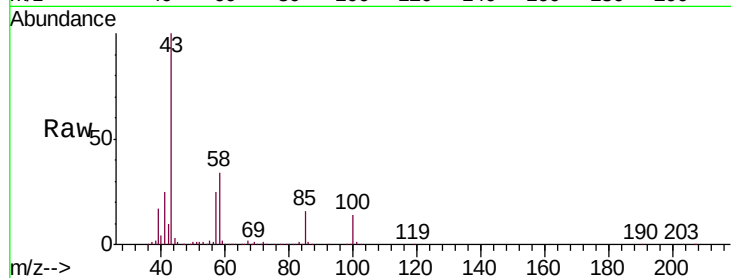
58 35.3 29.0 43.4

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

120000

100000

80000

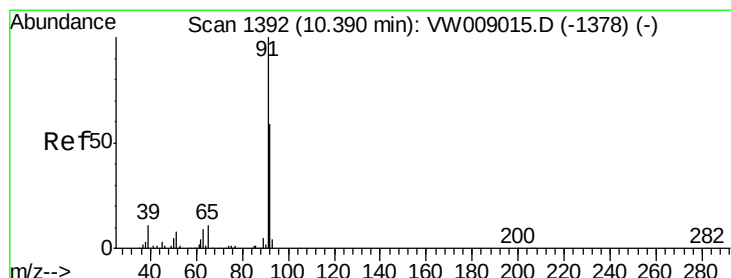
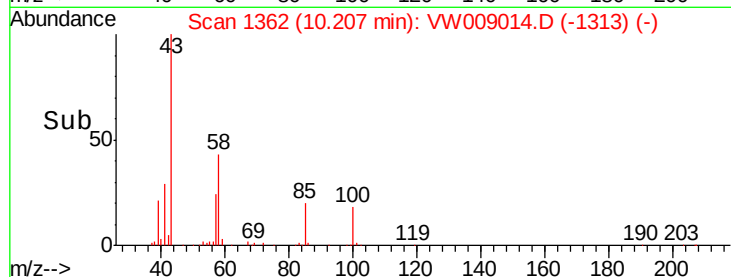
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 19.574 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW009014.D

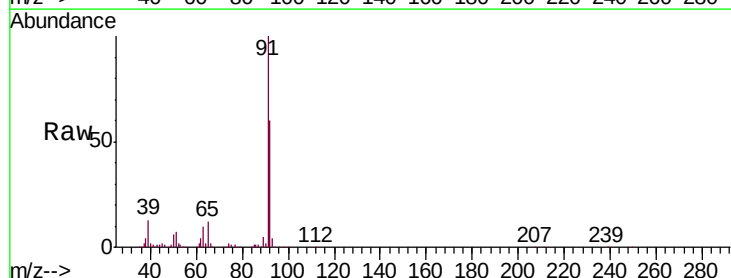
Acq: 06 Mar 2019 11:43

Tgt Ion: 92 Resp: 147769

Ion Ratio Lower Upper

92 100

91 170.1 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.38

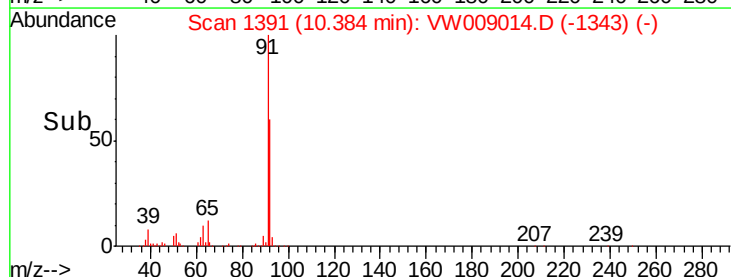
150000

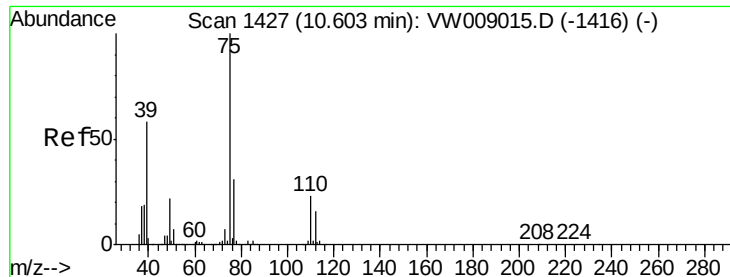
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.840 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

Tgt Ion: 75 Resp: 75456

Ion Ratio Lower Upper

75 100

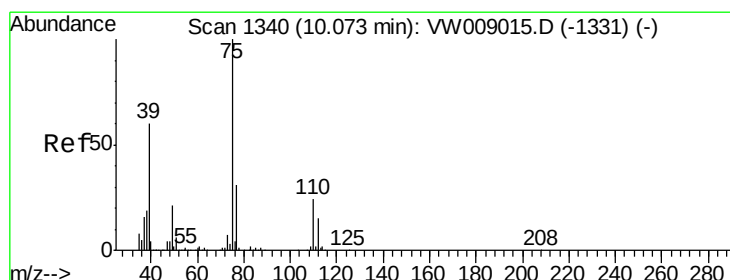
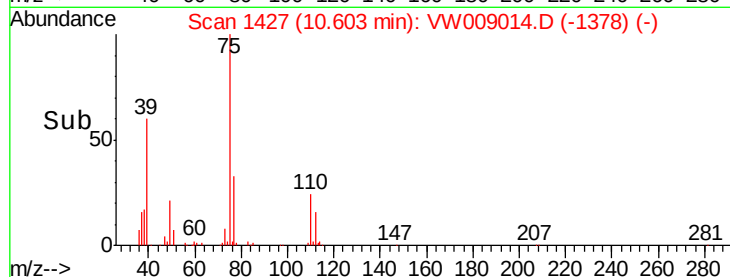
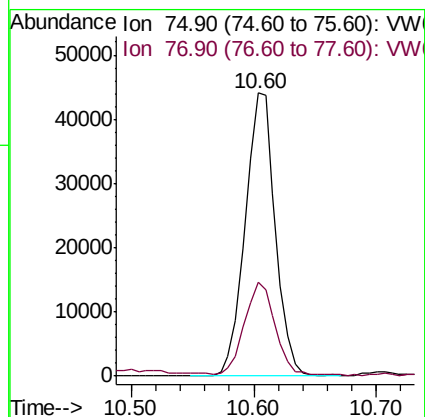
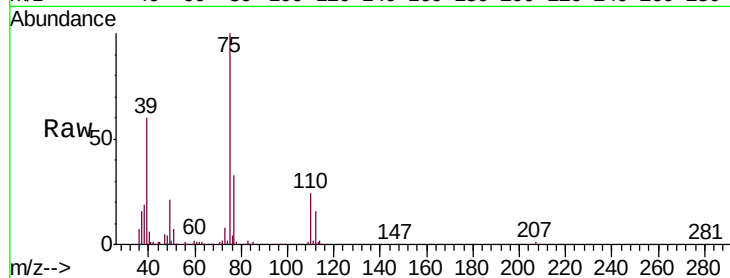
77 32.6 24.8 37.2

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#54

cis-1,3-Dichloropropene

Concen: 20.697 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

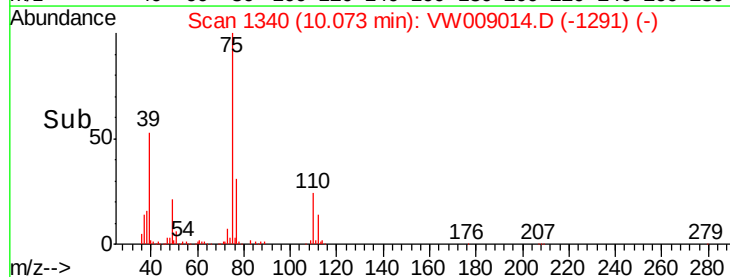
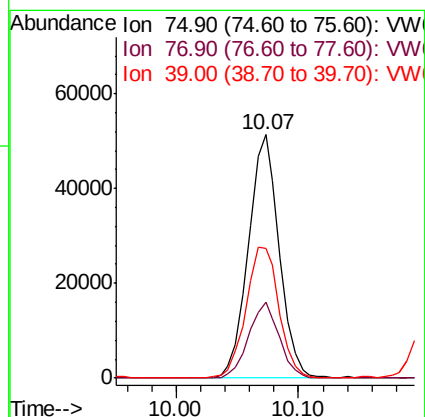
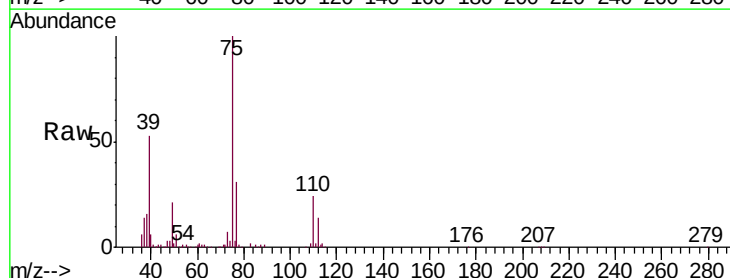
Tgt Ion: 75 Resp: 89859

Ion Ratio Lower Upper

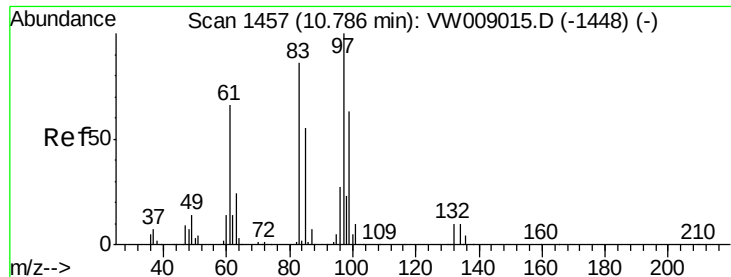
75 100

77 31.2 25.0 37.4

39 53.1 48.2 72.2







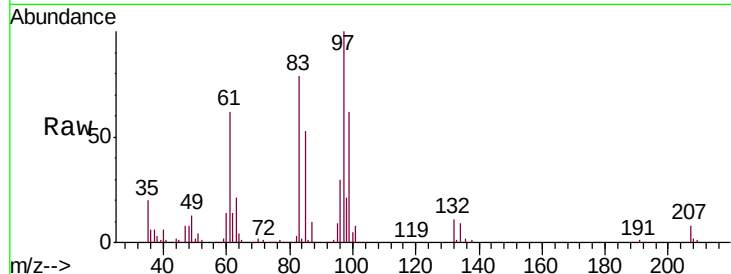
#55  
 1,1,2-Trichloroethane  
 Concen: 20.604 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. -0.00 min  
 Lab File: VW009014.D  
 Acq: 06 Mar 2019 11:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

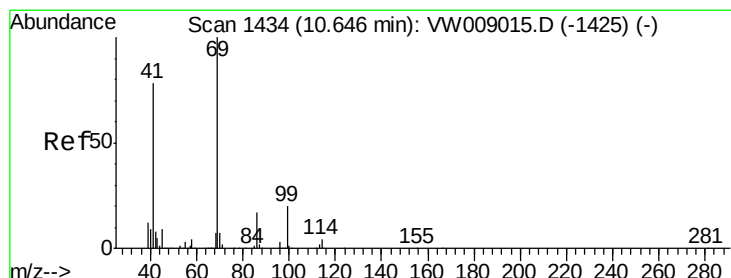
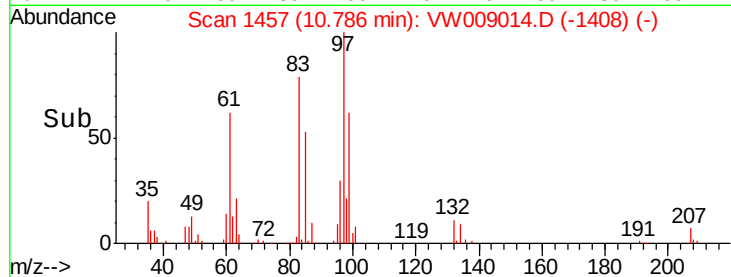
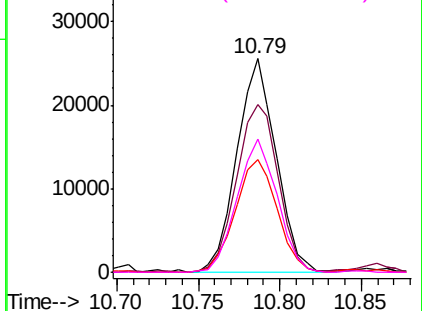
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 42800 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 78.6  | 68.8  | 103.2 |
| 85       | 52.9  | 43.7  | 65.5  |
| 99       | 62.4  | 50.1  | 75.1  |

Manual Integrations  
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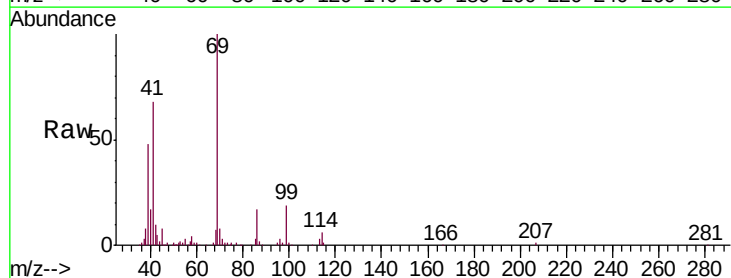


Abundance Ion 96.90 (96.60 to 97.60): VW  
 Ion 82.90 (82.60 to 83.60): VW  
 Ion 84.90 (84.60 to 85.60): VW  
 Ion 98.90 (98.60 to 99.60): VW

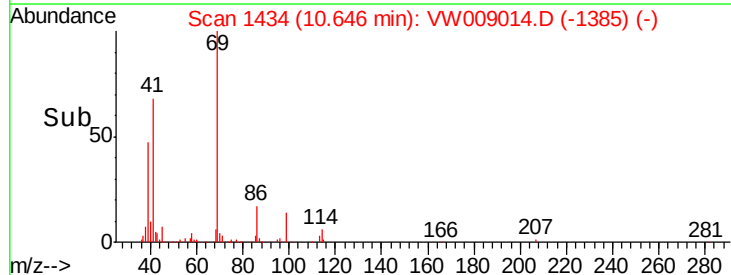
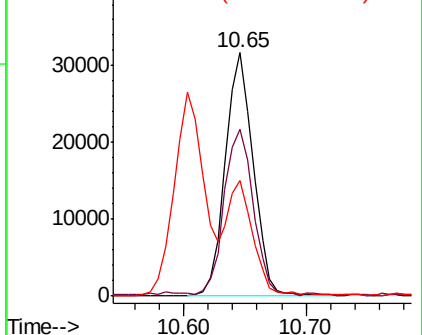


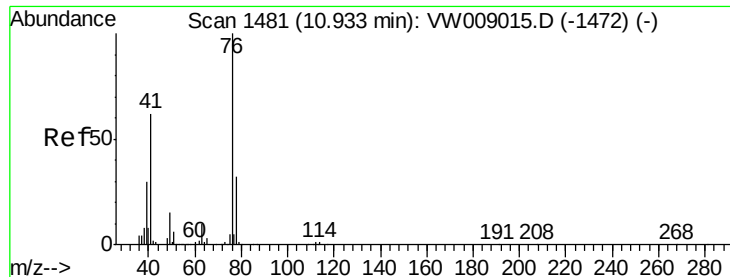
#56  
 Ethyl methacrylate  
 Concen: 19.504 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. -0.00 min  
 Lab File: VW009014.D  
 Acq: 06 Mar 2019 11:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 50116 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 71.1  | 58.9  | 88.3  |
| 39       | 44.2  | 37.6  | 56.4  |



Abundance Ion 69.00 (68.70 to 69.70): VW  
 Ion 41.00 (40.70 to 41.70): VW  
 Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 20.548 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC020

Tgt Ion: 76 Resp: 75059

Ion Ratio Lower Upper

76 100

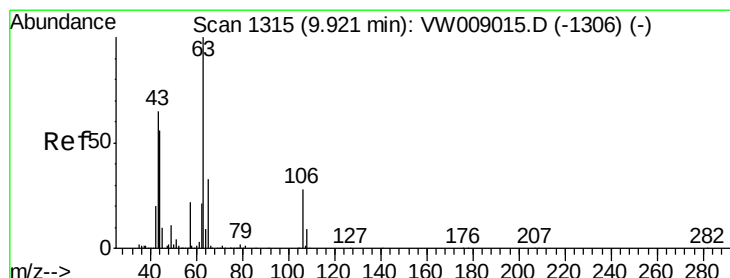
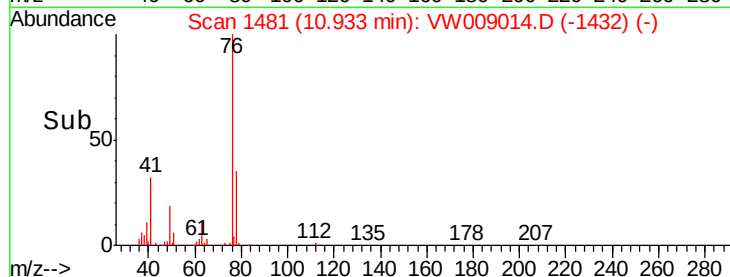
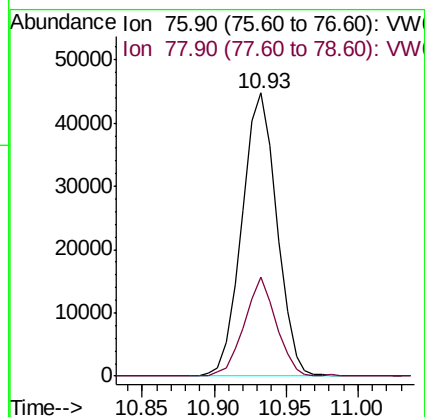
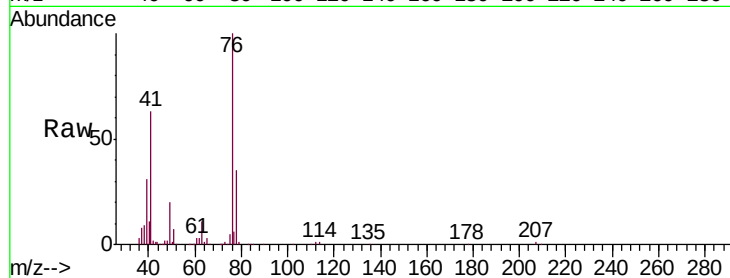
78 32.0 25.6 38.4

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#58

2-Chloroethyl Vinyl ether

Concen: 99.954 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW009014.D

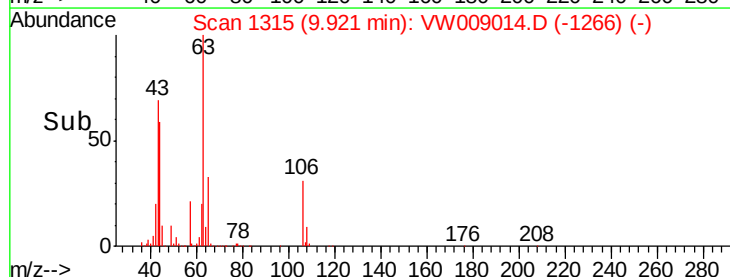
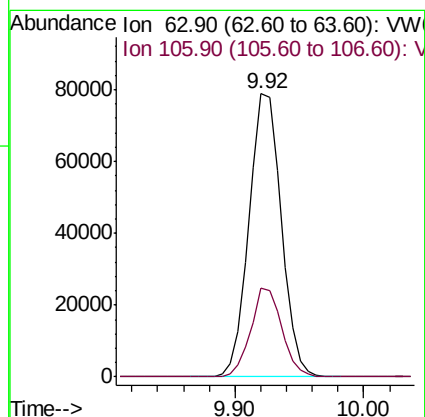
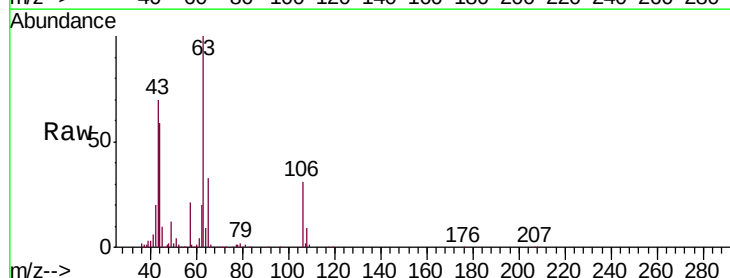
Acq: 06 Mar 2019 11:43

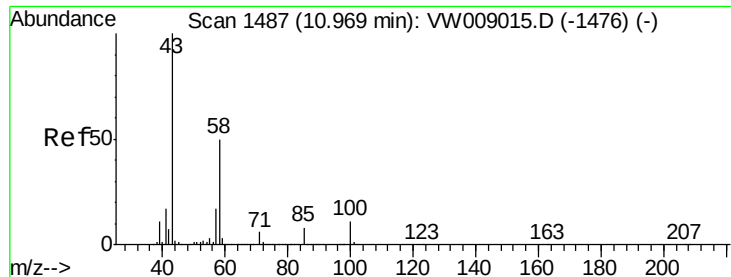
Tgt Ion: 63 Resp: 136280

Ion Ratio Lower Upper

63 100

106 30.2 23.0 34.6





#59

2-Hexanone

Concen: 101.033 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 129476

Ion Ratio Lower Upper

43 100

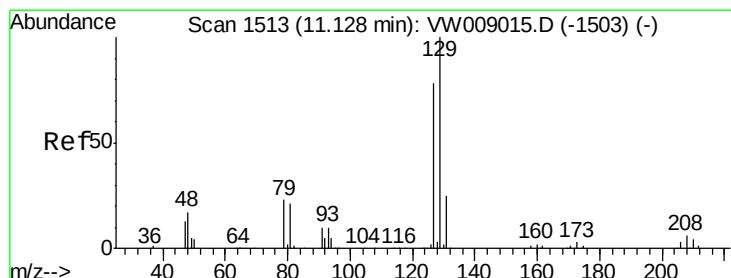
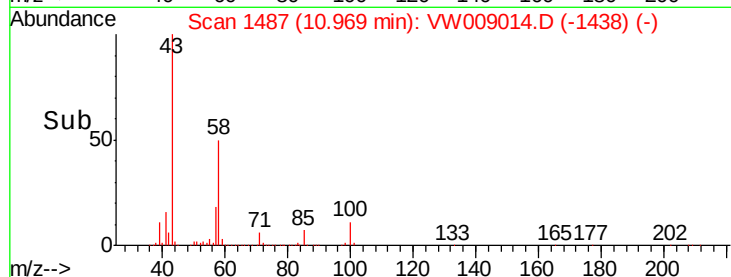
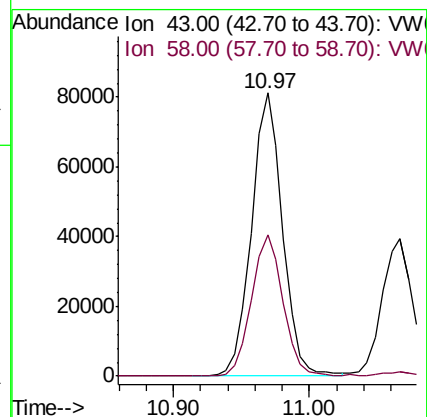
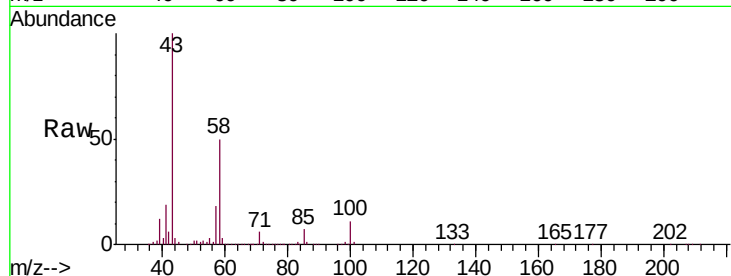
58 50.8 25.3 75.8

Manual Integrations

APPROVED

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3/8/2019 12:07:04 AM



#60

Dibromochloromethane

Concen: 20.656 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW009014.D

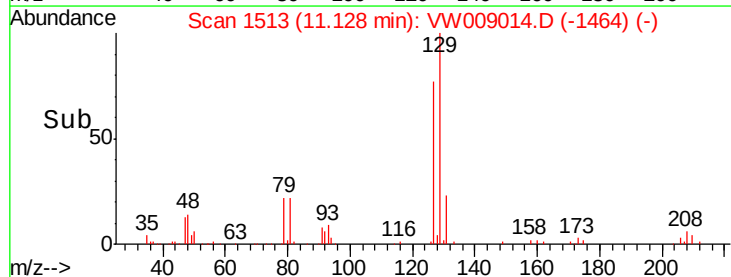
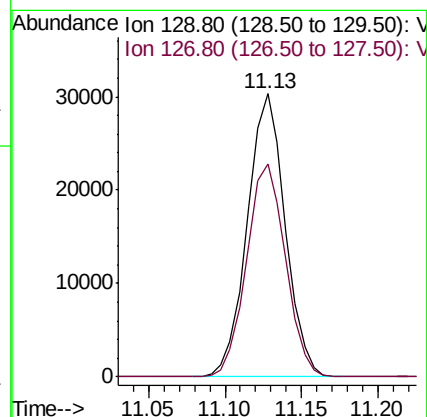
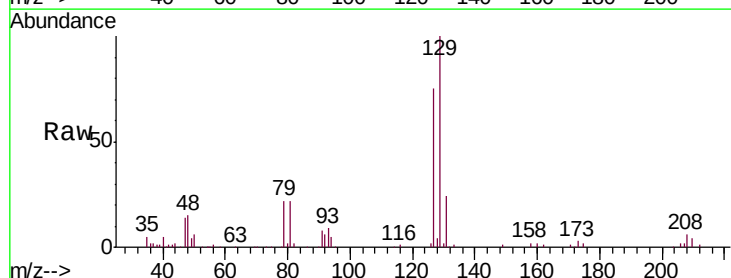
Acq: 06 Mar 2019 11:43

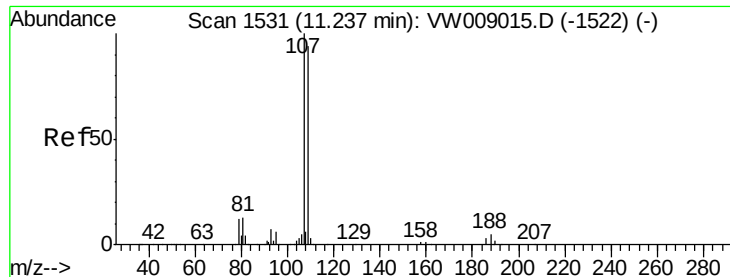
Tgt Ion: 129 Resp: 52116

Ion Ratio Lower Upper

129 100

127 77.3 39.0 116.9





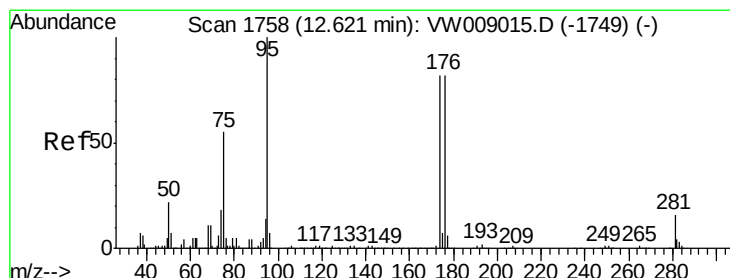
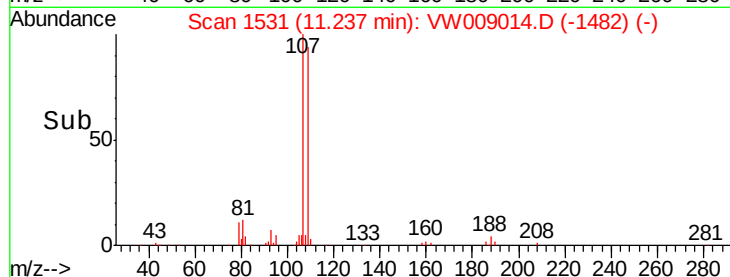
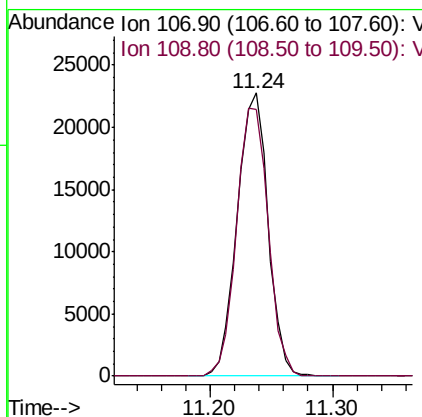
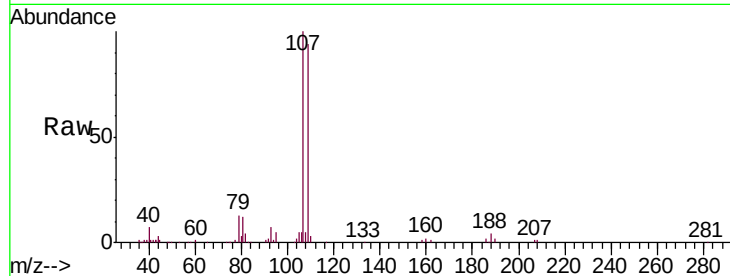
#61  
 1,2-Dibromoethane  
 Concen: 20.257 ug/l  
 RT: 11.24 min Scan# 1531  
 Delta R.T. -0.00 min  
 Lab File: VW009014.D  
 Acq: 06 Mar 2019 11:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

Tgt Ion: 107 Resp: 39884  
 Ion Ratio Lower Upper  
 107 100  
 109 97.2 75.7 113.5

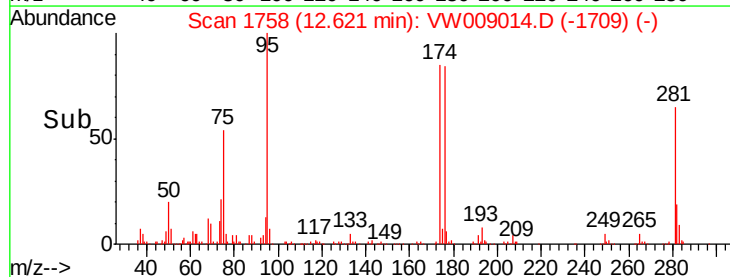
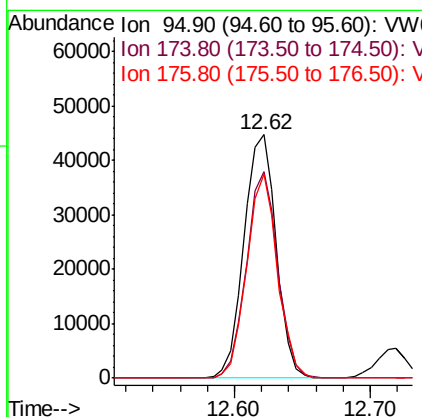
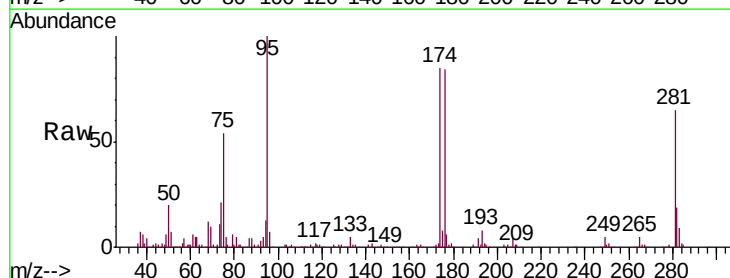
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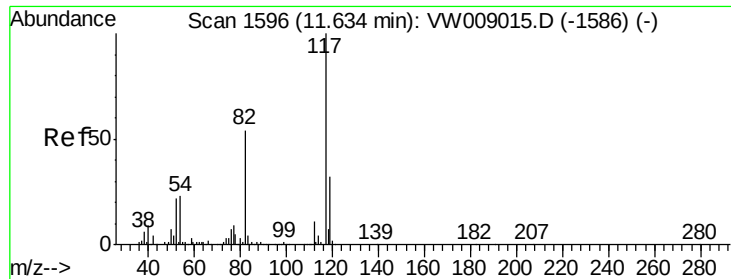
MMDadoda  
 3/8/2019 12:07:04 AM



#62  
 4-Bromofluorobenzene  
 Concen: 18.569 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. -0.00 min  
 Lab File: VW009014.D  
 Acq: 06 Mar 2019 11:43

Tgt Ion: 95 Resp: 73972  
 Ion Ratio Lower Upper  
 95 100  
 174 82.9 0.0 165.8  
 176 80.2 0.0 159.8





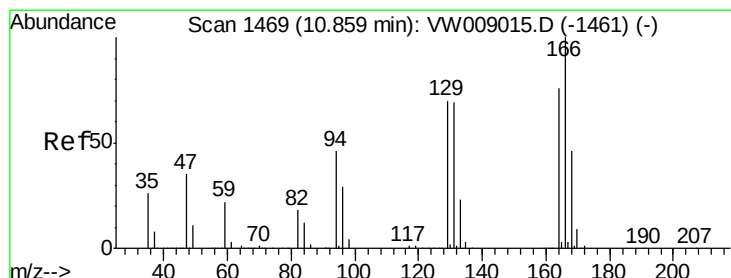
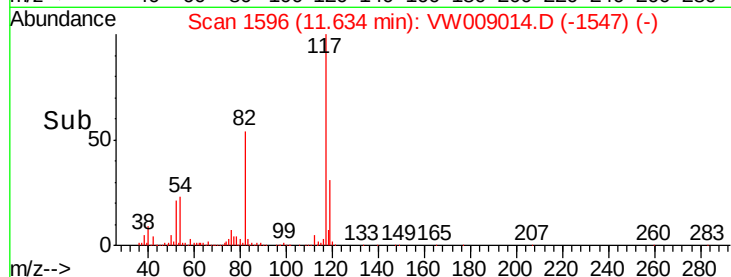
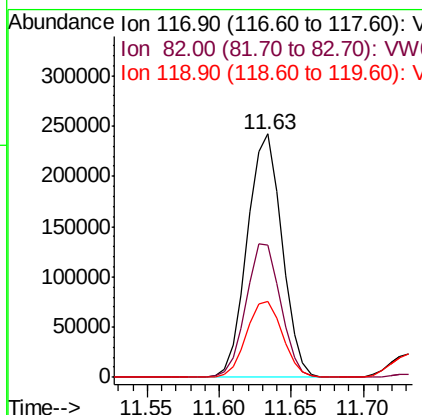
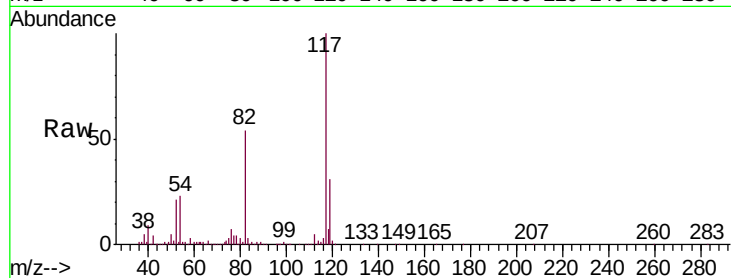
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 403289 |       |       |
| 82      | 54.3  |        | 43.4  | 65.2  |
| 119     | 30.9  |        | 25.8  | 38.8  |

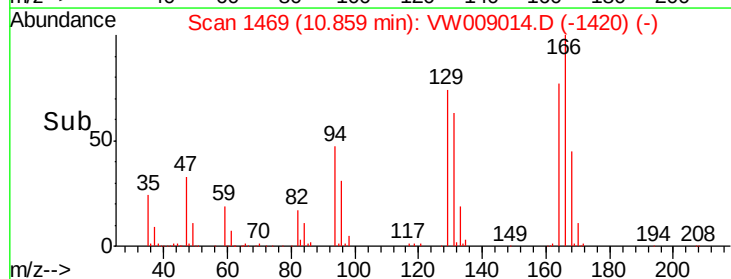
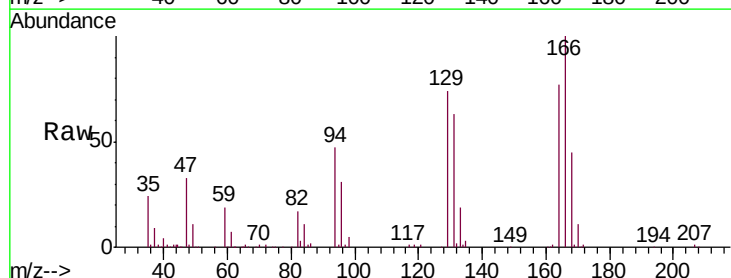
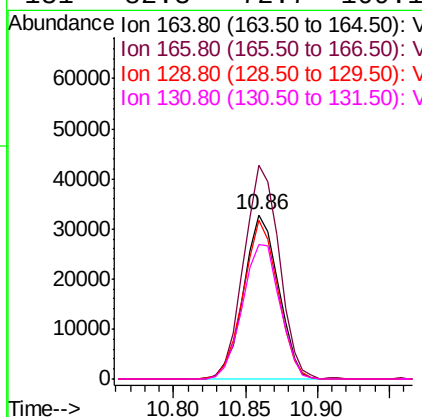
Manual Integrations  
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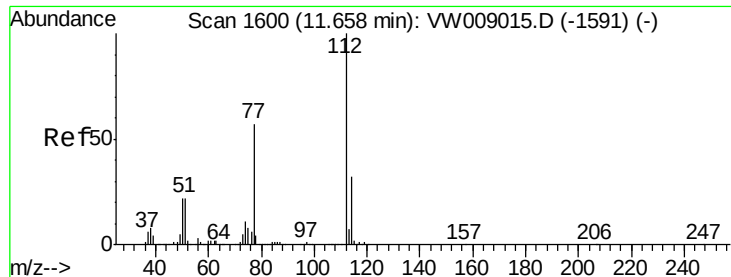
MMDadoda  
3/8/2019 12:07:04 AM



#64  
Tetrachloroethene  
Concen: 19.689 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 54824 |       |       |
| 166     | 130.3 |       | 104.6 | 157.0 |
| 129     | 96.9  |       | 73.4  | 110.2 |
| 131     | 82.3  |       | 72.7  | 109.1 |





#65

Chlorobenzene

Concen: 19.419 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC020

Tgt Ion:112 Resp: 162552

Ion Ratio Lower Upper

112 100

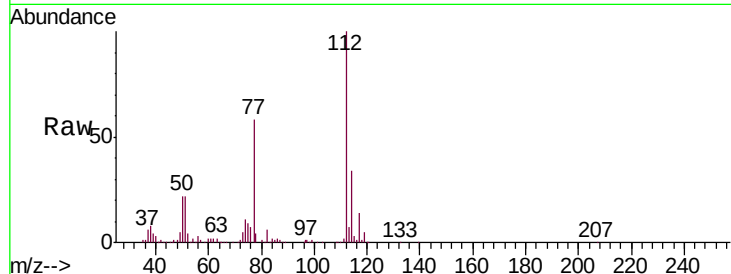
114 33.7 25.5 38.3

Manual Integrations

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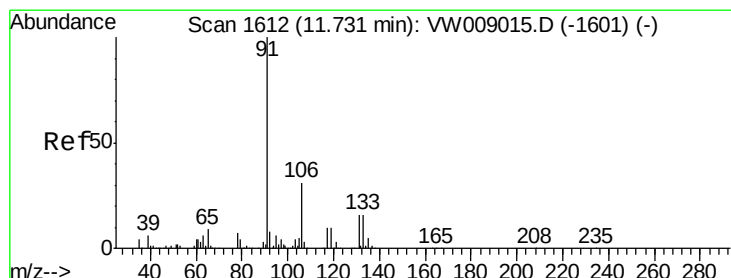
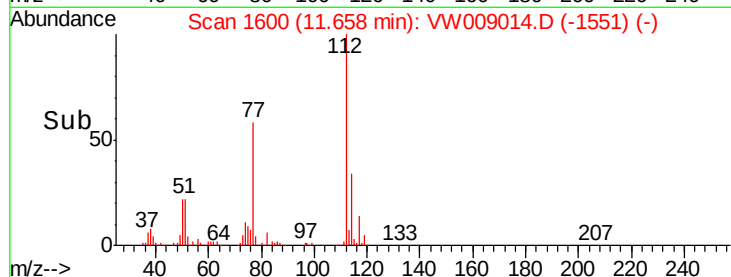
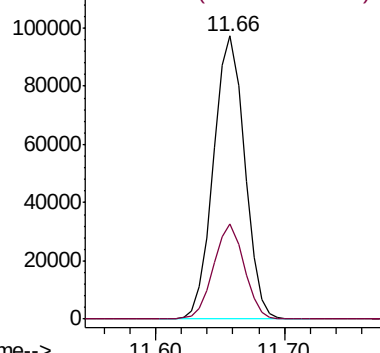
MMDadoda

3/8/2019 12:07:04 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.395 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

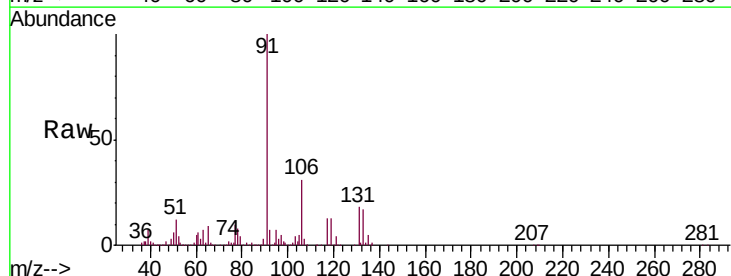
Tgt Ion:131 Resp: 57335

Ion Ratio Lower Upper

131 100

133 94.6 48.1 144.3

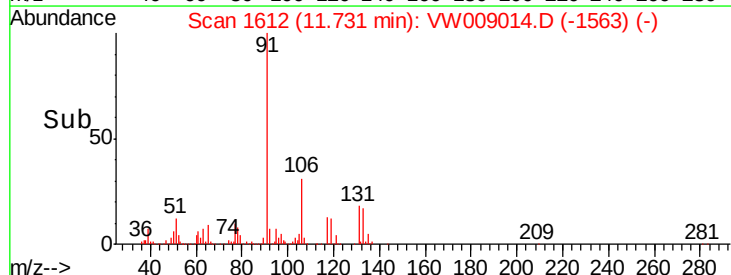
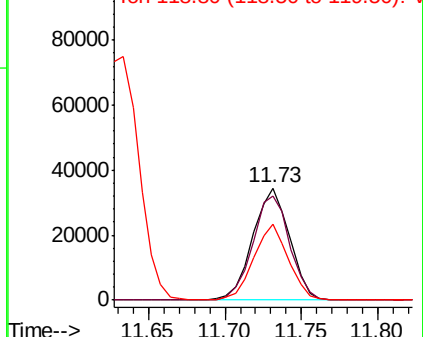
119 64.7 31.1 93.5

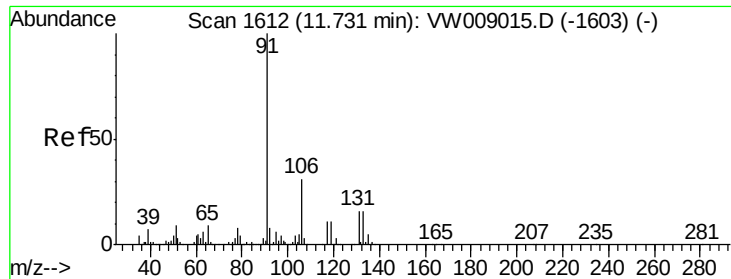


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





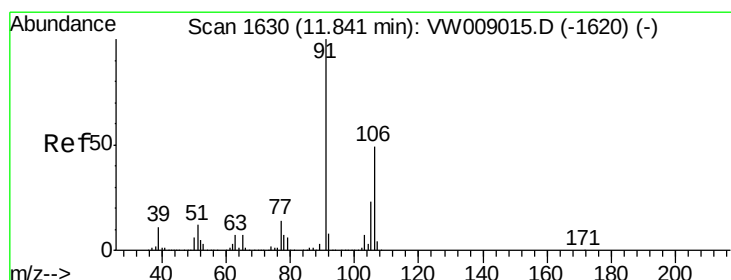
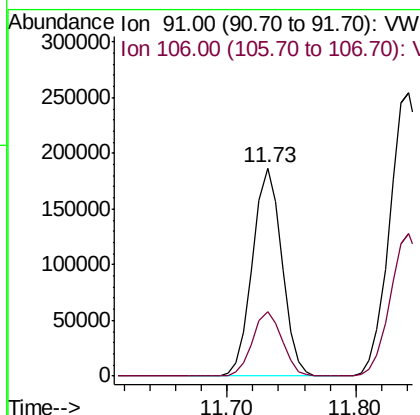
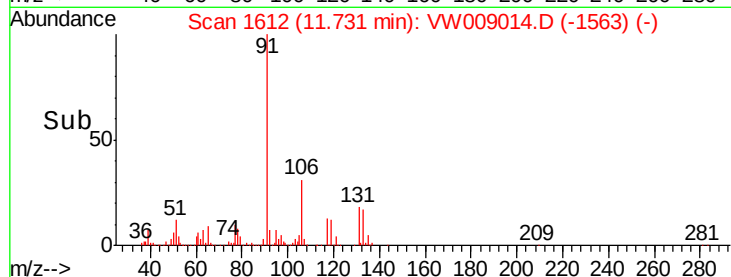
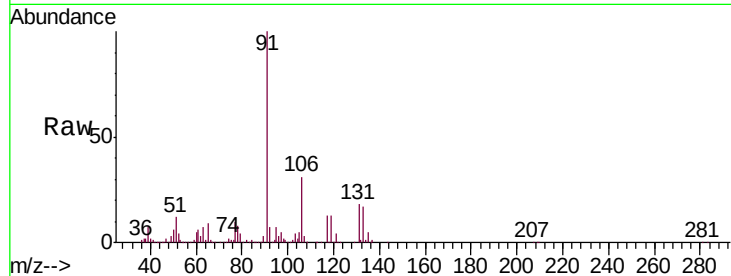
#67  
Ethyl Benzene  
Concen: 19.322 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC020

Tgt Ion: 91 Resp: 293255  
Ion Ratio Lower Upper  
91 100  
106 31.2 25.2 37.8

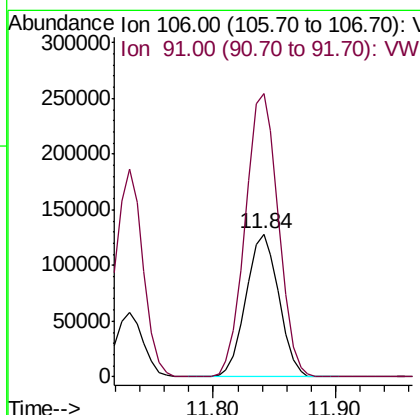
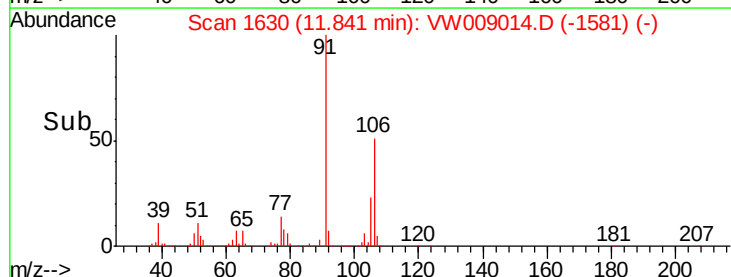
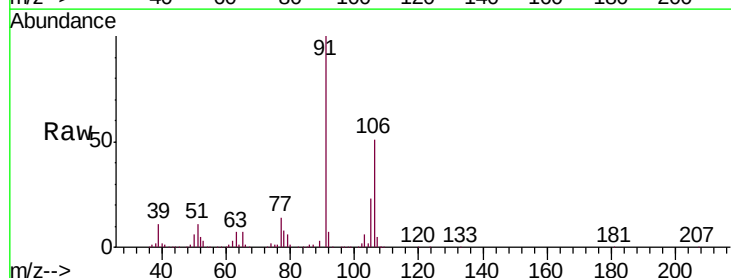
Manual Integrations  
APPROVED

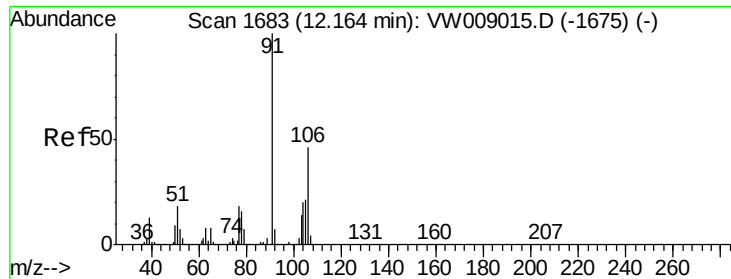
MMDadoda  
3/8/2019 12:07:04 AM



#68  
m/p-Xylenes  
Concen: 39.953 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

Tgt Ion: 106 Resp: 239267  
Ion Ratio Lower Upper  
106 100  
91 200.3 162.9 244.3





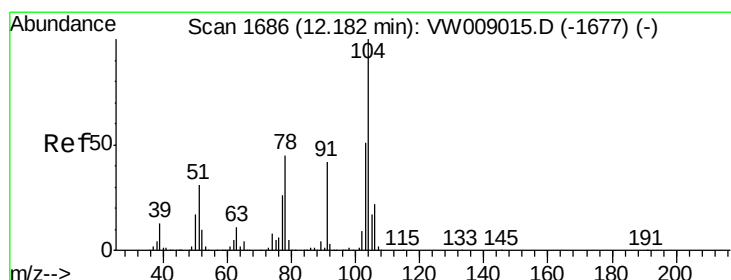
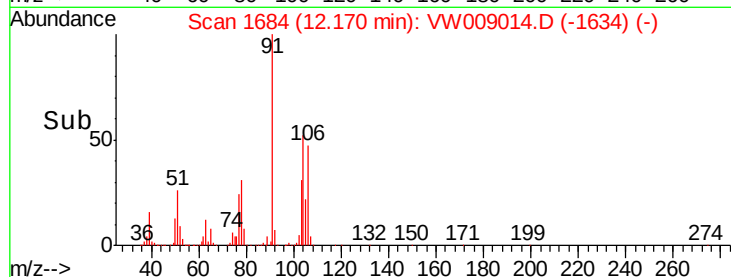
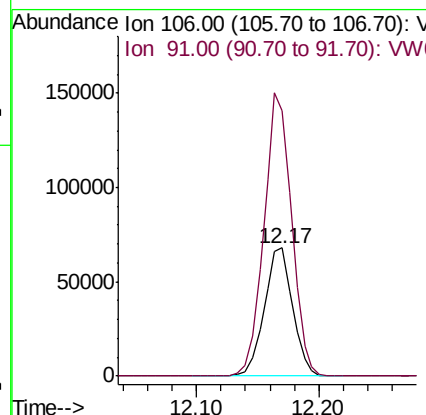
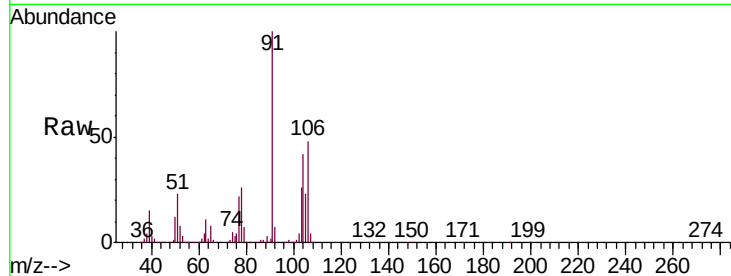
#69  
o-Xylene  
Concen: 19.605 ug/l  
RT: 12.17 min Scan# 1684  
Delta R.T. 0.01 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

Tgt Ion:106 Resp: 109606  
Ion Ratio Lower Upper  
106 100  
91 216.0 107.4 322.2

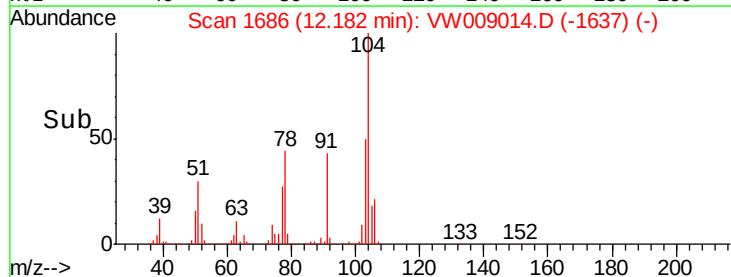
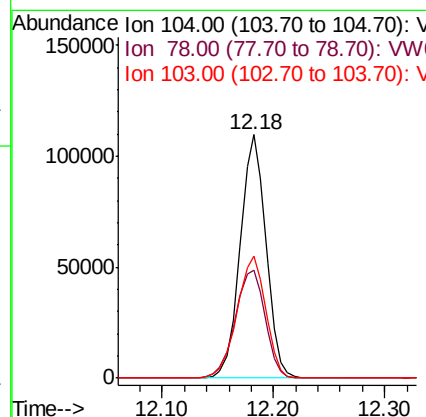
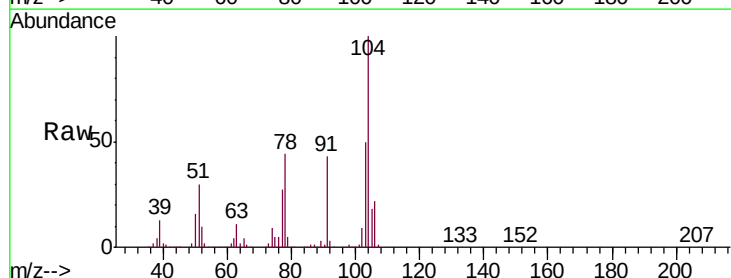
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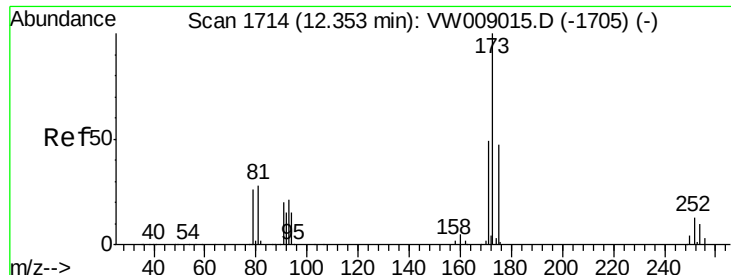


#70  
Styrene  
Concen: 19.363 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. -0.00 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

Tgt Ion:104 Resp: 175364  
Ion Ratio Lower Upper  
104 100  
78 51.7 41.9 62.9  
103 56.1 44.9 67.3







#71

Bromoform

Concen: 19.685 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA\_W

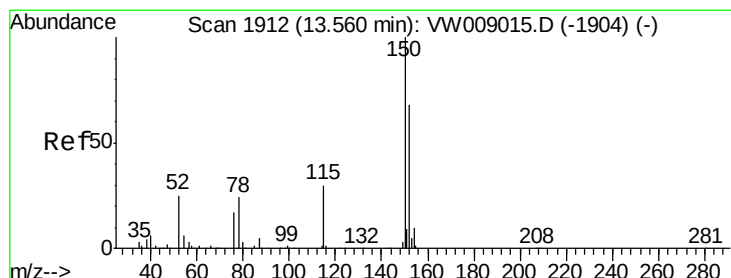
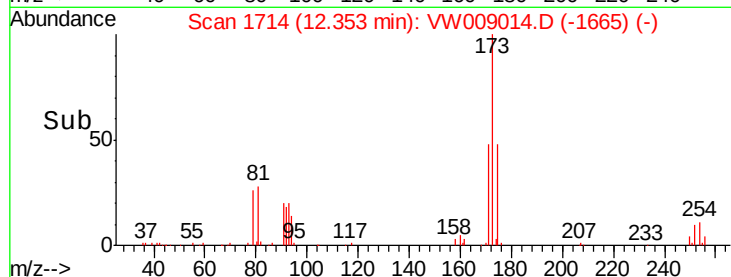
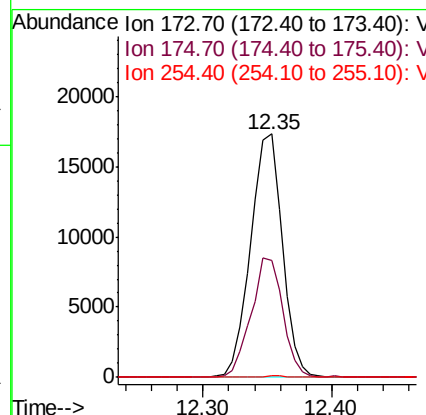
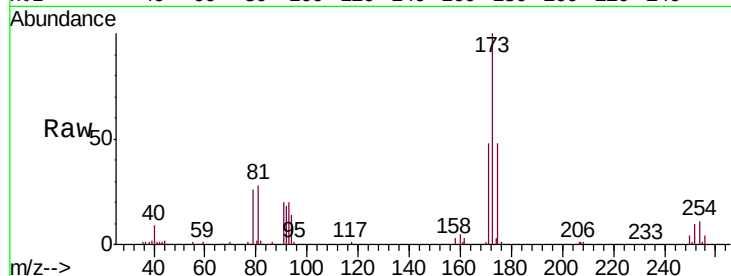
ClientSampled :

VSTDIC020

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 173     | 100   | 29485 |       |       |
| 175     | 48.8  | 23.3  | 69.9  |       |
| 254     | 0.3   | 0.1   | 0.1#  |       |

Manual Integrations  
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MMDadoda  
3/8/2019 12:07:04 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

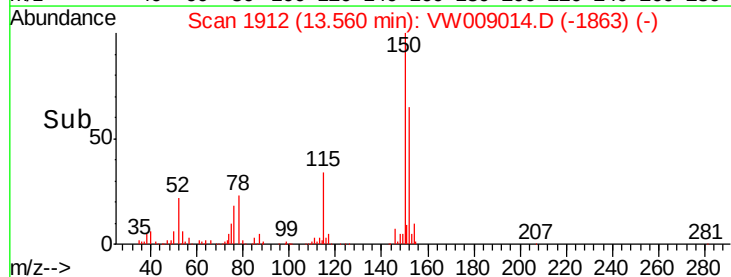
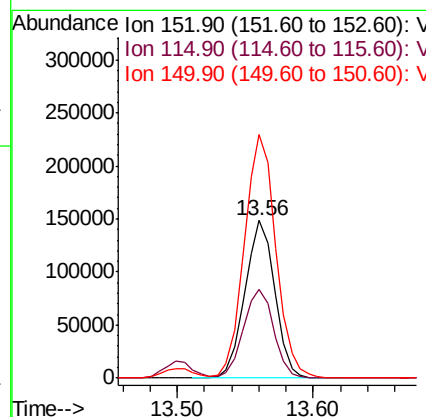
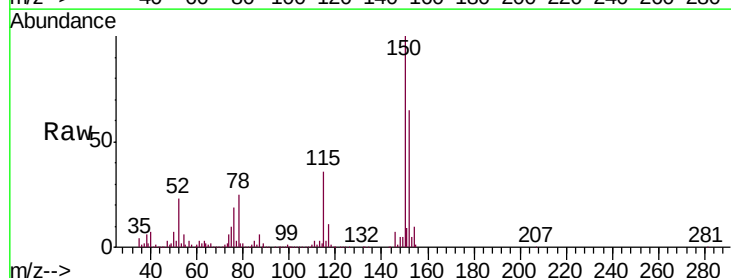
RT: 13.56 min Scan# 1912

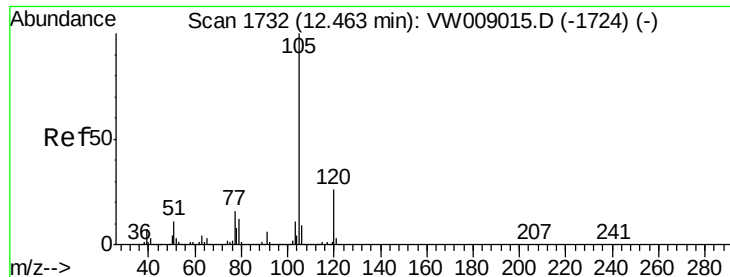
Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 228515 |       |       |
| 115     | 56.9  | 29.3   | 87.8  |       |
| 150     | 162.2 | 0.0    | 348.6 |       |





#73

Isopropylbenzene

Concen: 19.078 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

Tgt Ion: 105 Resp: 298407

Ion Ratio Lower Upper

105 100

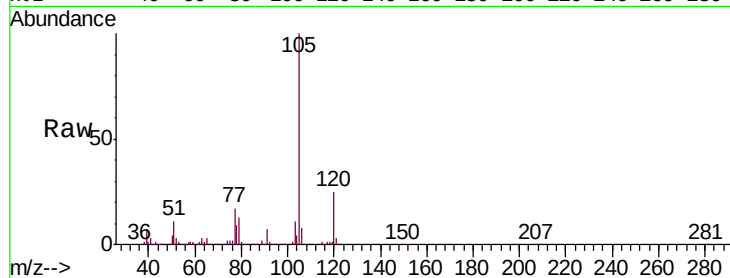
120 26.4 13.2 39.6

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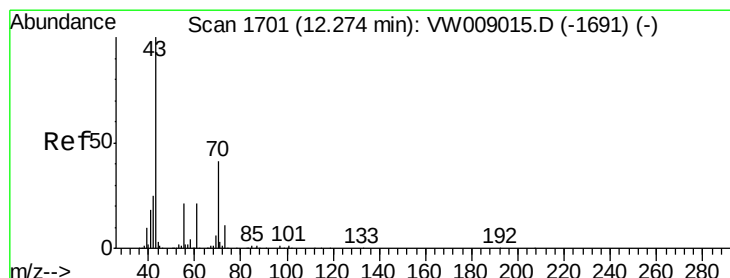
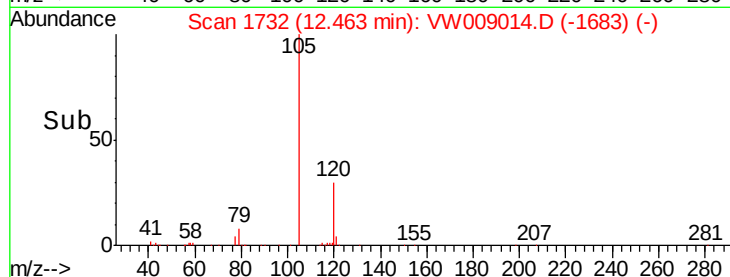
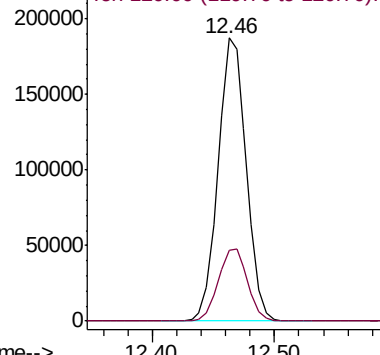
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.934 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Tgt Ion: 43 Resp: 70507

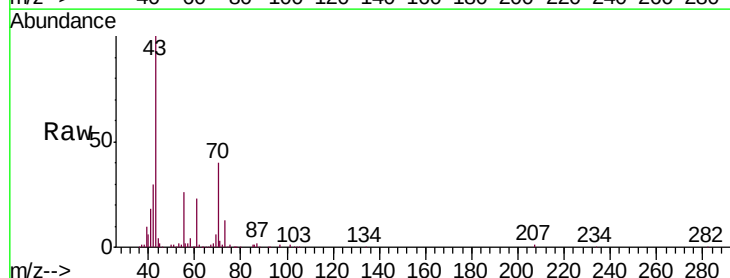
Ion Ratio Lower Upper

43 100

70 40.2 31.2 46.8

55 24.5 18.0 27.0

61 23.7 17.3 25.9

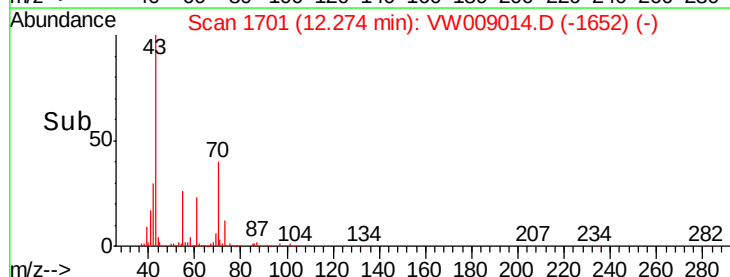
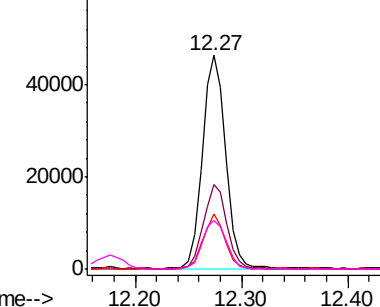


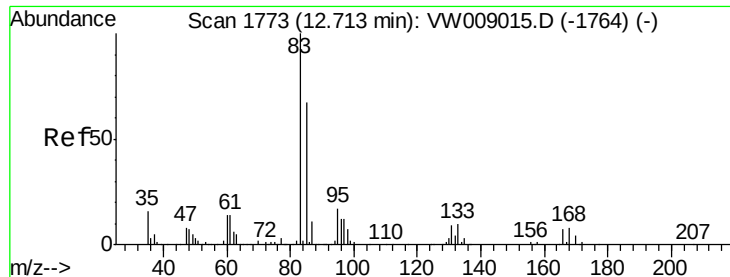
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 19.705 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA\_W

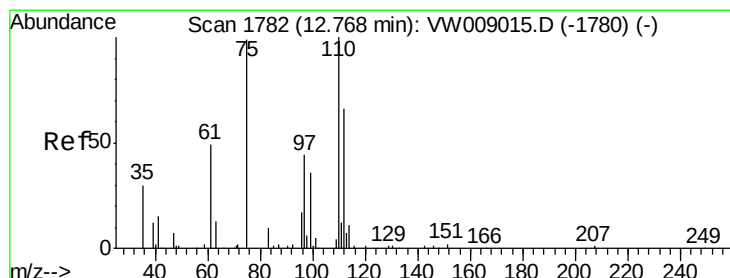
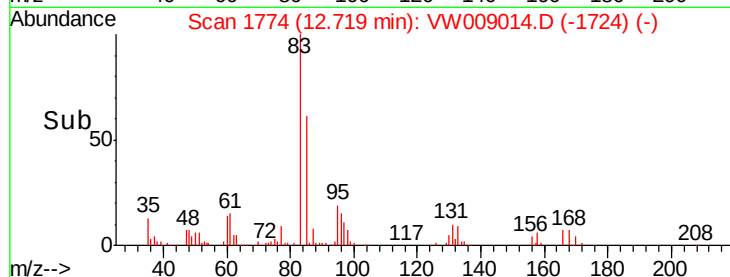
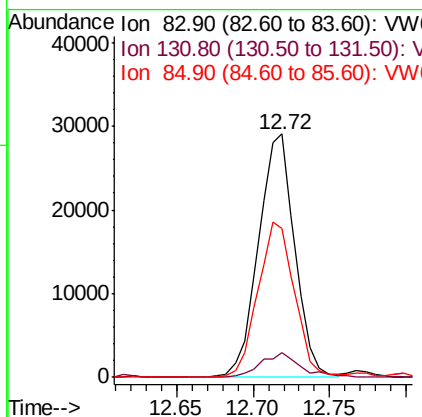
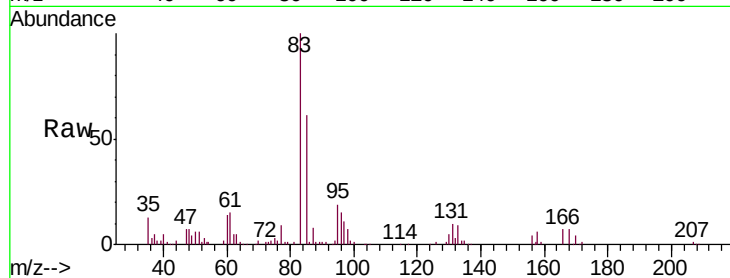
ClientSampled :

VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 48074 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 10.9  | 5.5   | 16.7  |
| 85       | 64.4  | 32.8  | 98.3  |

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#76

1,2,3-Trichloropropane

Concen: 17.255 ug/l m

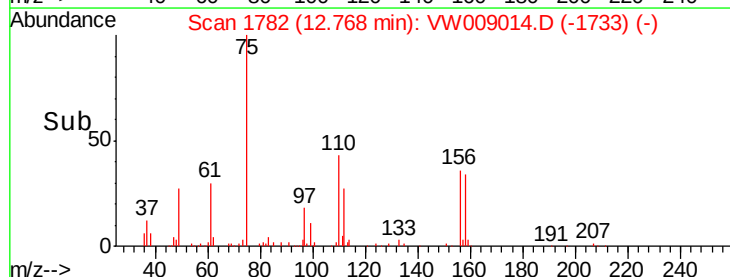
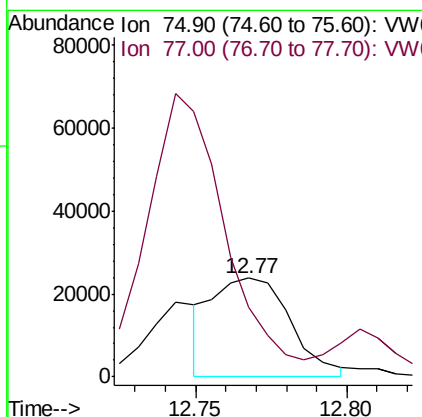
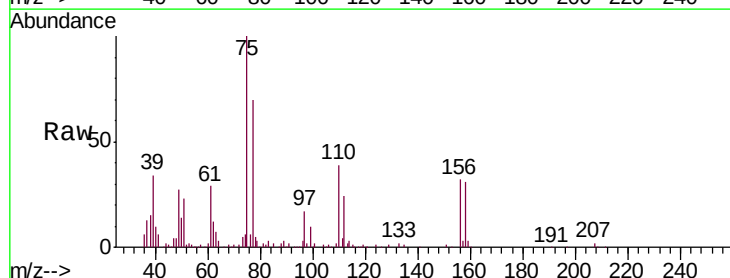
RT: 12.77 min Scan# 1782

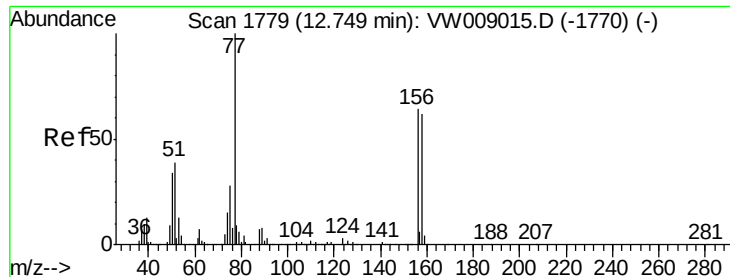
Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 42614 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 19.337 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA\_W

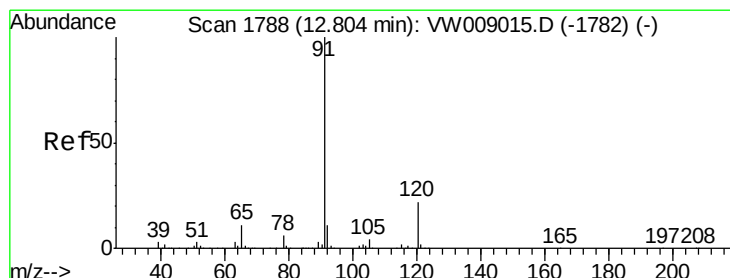
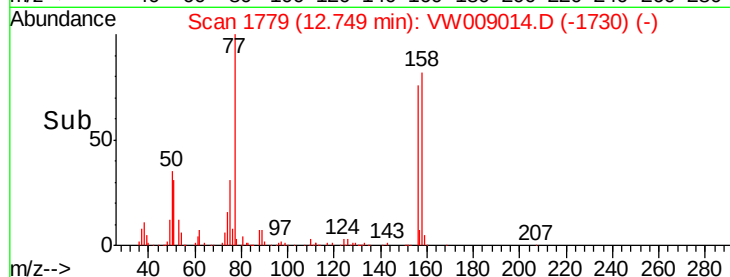
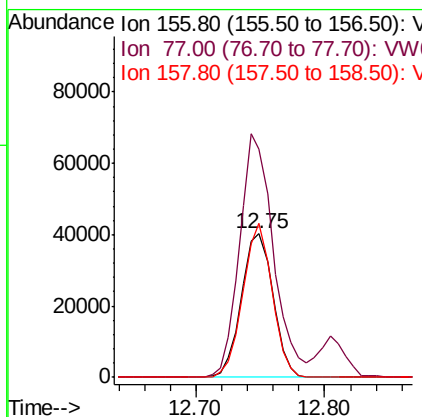
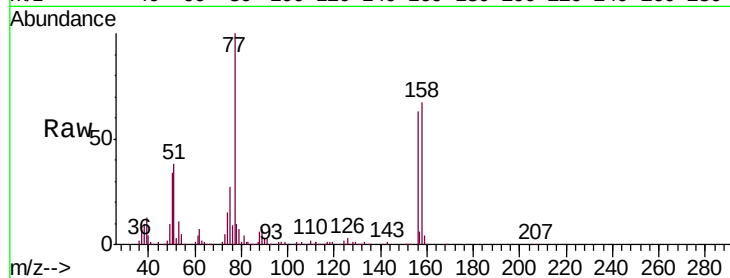
ClientSampled :

VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 156   | Resp: | 68472 |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 181.2 | 91.6  | 274.9 |
| 158      | 99.2  | 48.8  | 146.4 |

Manual Integrations  
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#78

n-propylbenzene

Concen: 19.540 ug/l

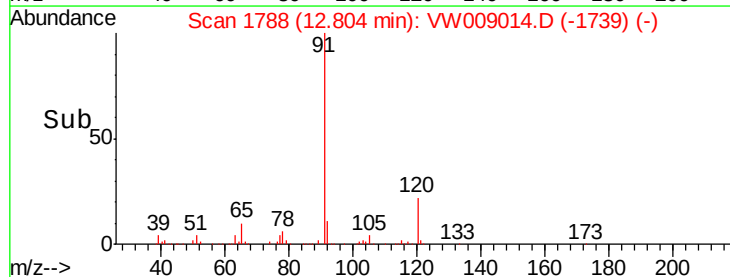
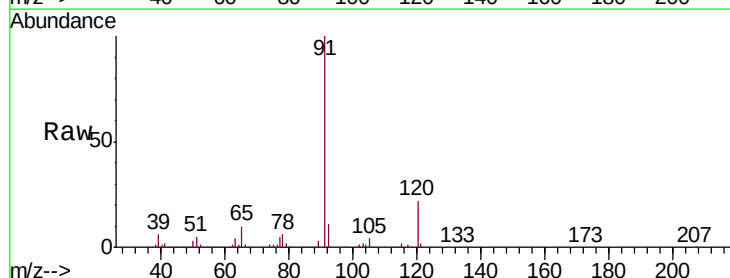
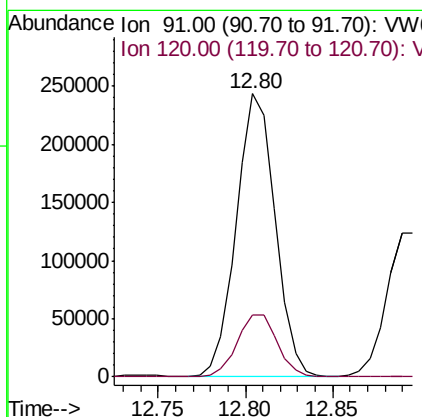
RT: 12.80 min Scan# 1788

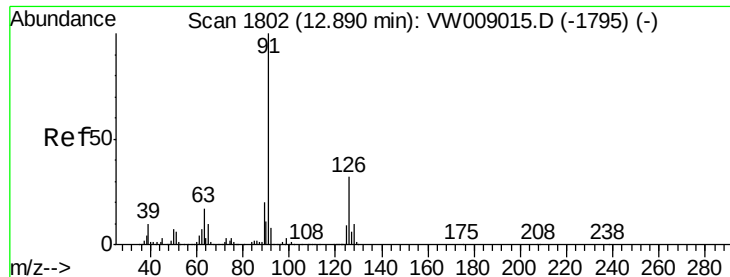
Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 375220 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 120      | 22.7  | 11.3  | 33.9   |





#79

2-Chlorotoluene

Concen: 19.316 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 209429

Ion Ratio Lower Upper

91 100

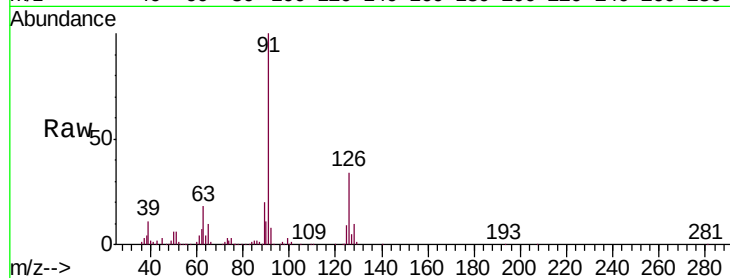
126 34.9 16.8 50.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

150000

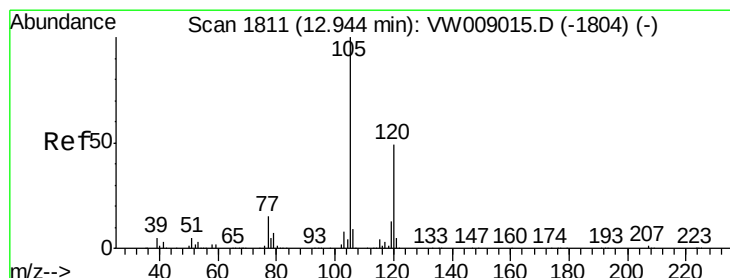
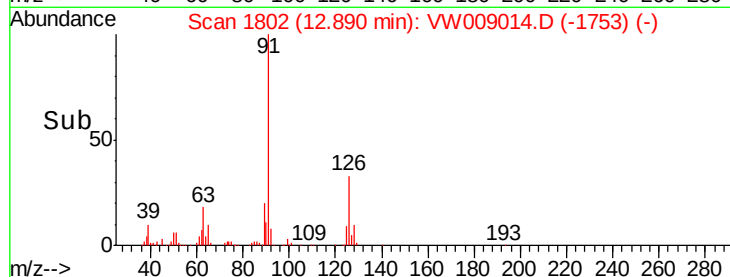
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.803 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW009014.D

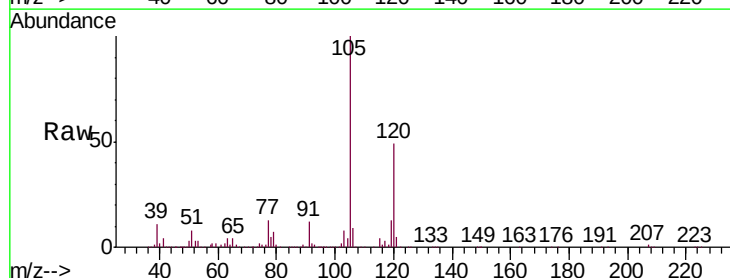
Acq: 06 Mar 2019 11:43

Tgt Ion: 105 Resp: 265825

Ion Ratio Lower Upper

105 100

120 49.1 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

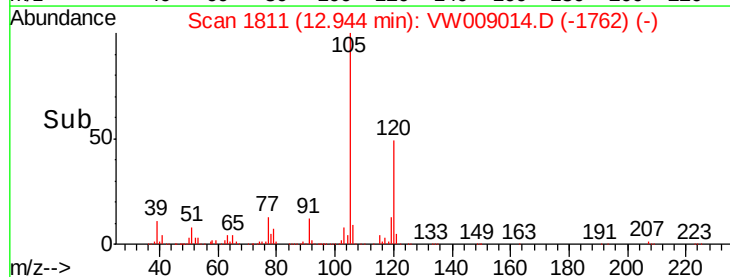
100000

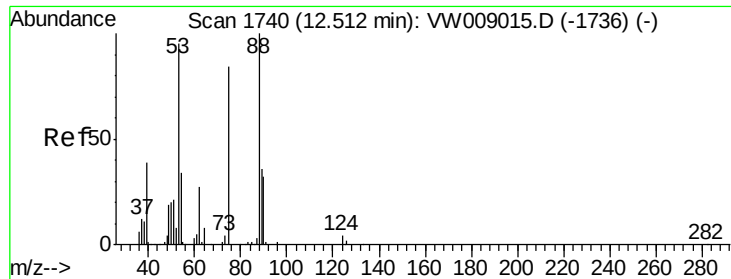
50000

0

12.90 13.00

Time-->





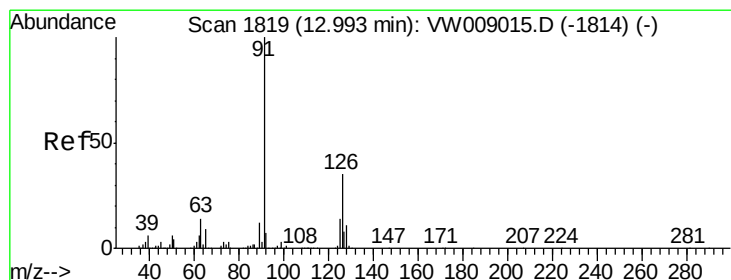
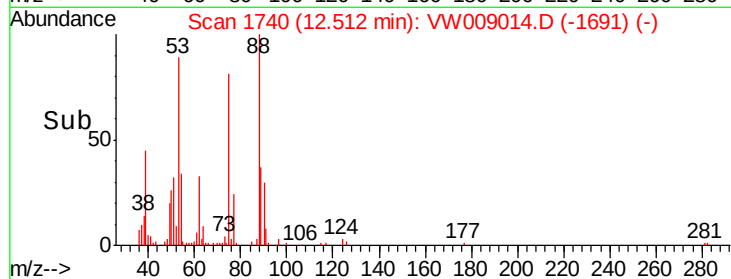
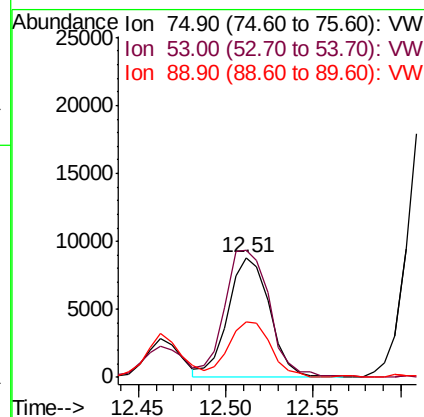
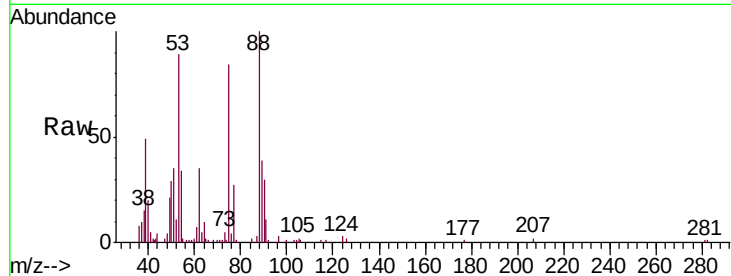
#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.551 ug/l  
RT: 12.51 min Scan# 1740  
Delta R.T. -0.00 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 115.2 | 88.5  | 132.7 |
| 89      | 46.8  | 36.3  | 54.5  |

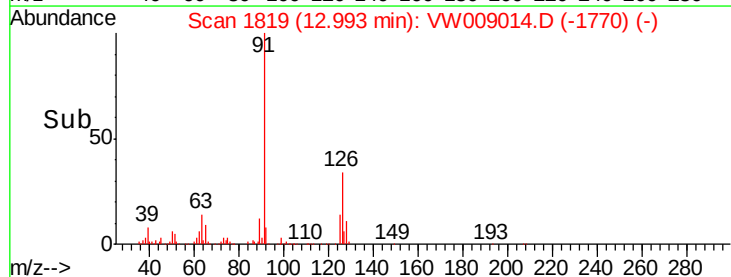
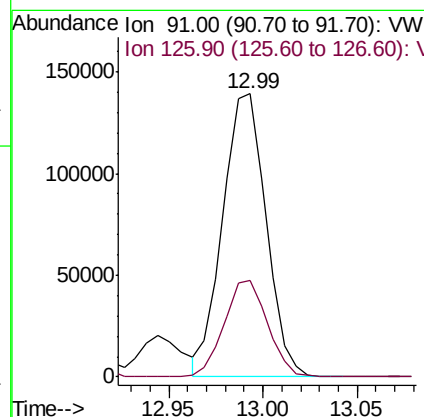
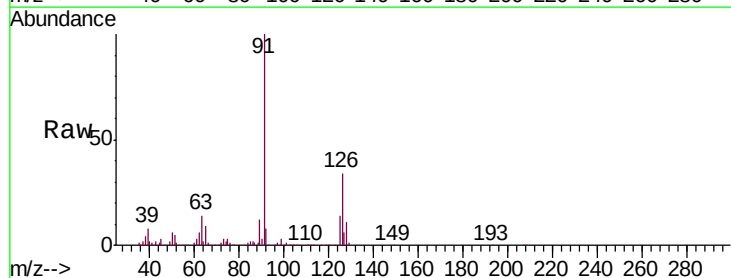
Manual Integrations  
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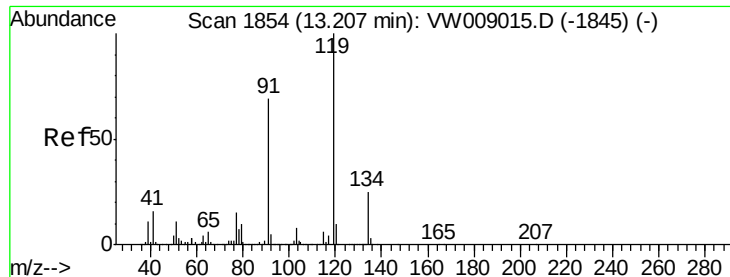
MMDadoda  
3/8/2019 12:07:04 AM



#82  
4-Chlorotoluene  
Concen: 19.269 ug/l  
RT: 12.99 min Scan# 1819  
Delta R.T. -0.00 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 34.3  | 16.9  | 50.6  |





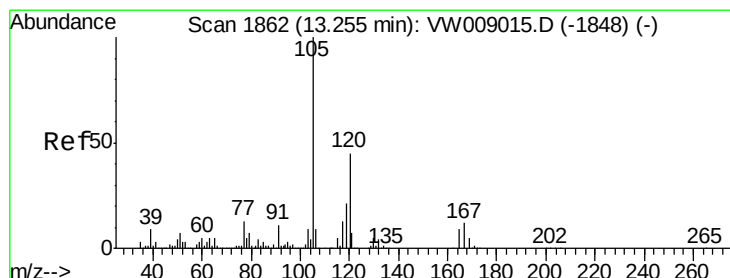
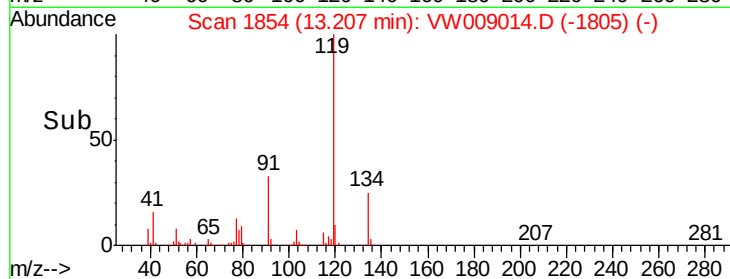
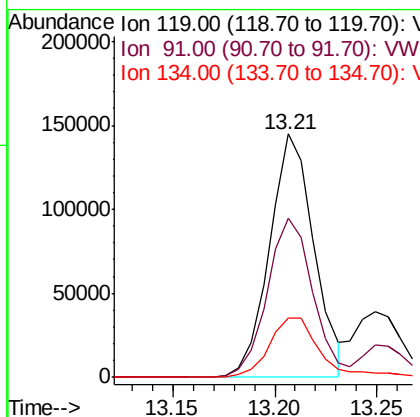
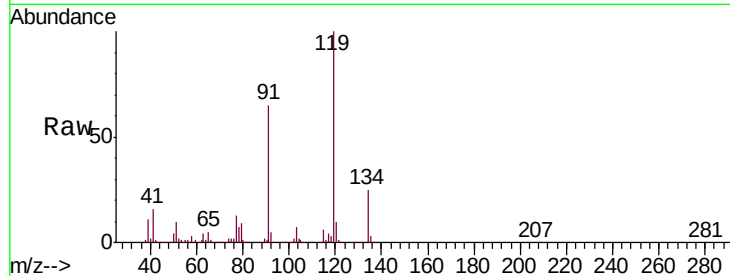
#83  
 tert-Butylbenzene  
 Concen: 19.060 ug/l  
 RT: 13.21 min Scan# 1854  
 Delta R.T. -0.00 min  
 Lab File: VW009014.D  
 Acq: 06 Mar 2019 11:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 220459 |       |       |
| 91      | 67.2  | 34.3   | 102.9 |       |
| 134     | 28.1  | 13.6   | 40.8  |       |

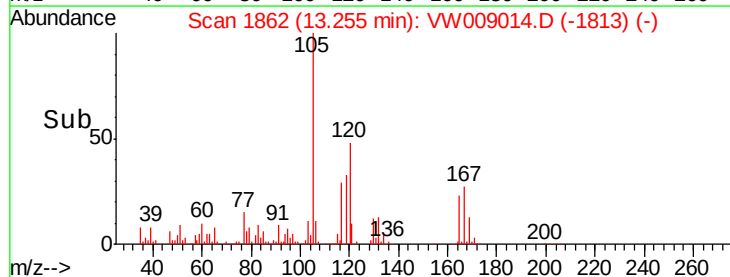
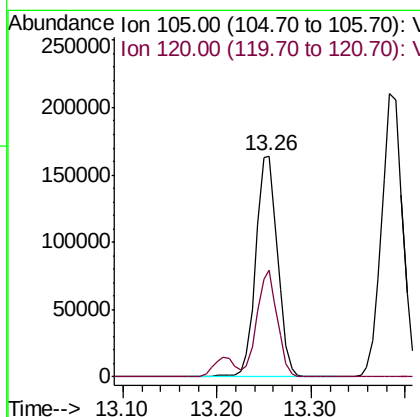
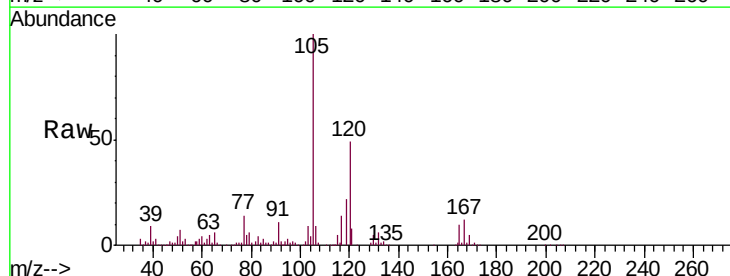
Manual Integrations  
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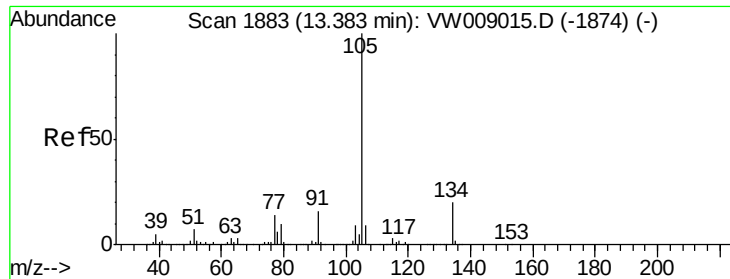
MMDadoda  
 3/8/2019 12:07:04 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 19.532 ug/l  
 RT: 13.26 min Scan# 1862  
 Delta R.T. -0.00 min  
 Lab File: VW009014.D  
 Acq: 06 Mar 2019 11:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 268418 |       |       |
| 120     | 45.0  | 22.6   | 67.7  |       |





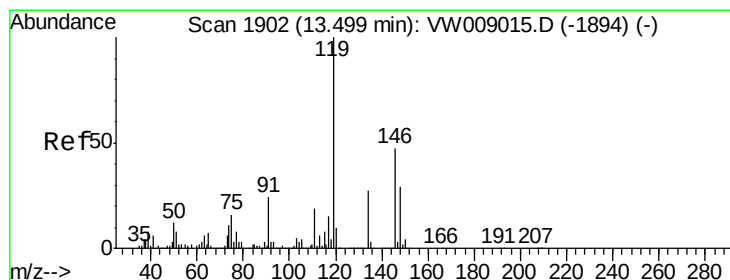
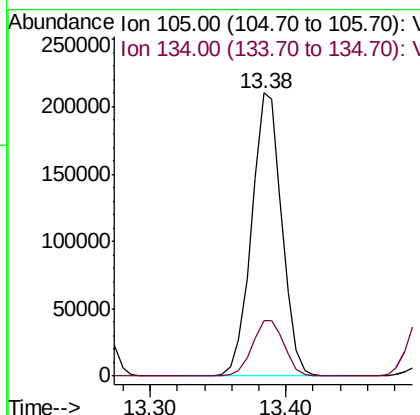
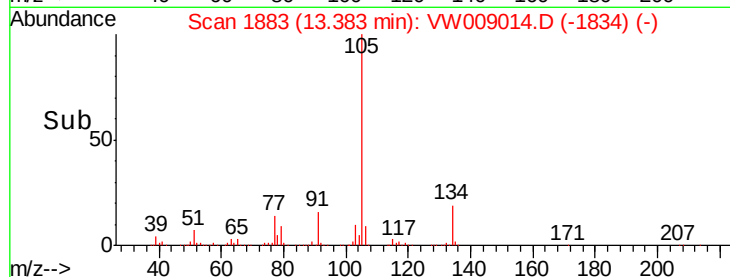
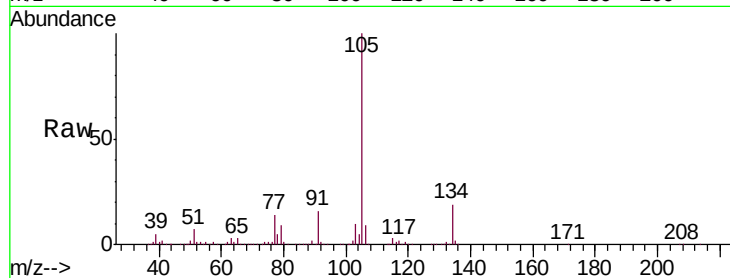
#85  
 sec-Butylbenzene  
 Concen: 19.384 ug/l  
 RT: 13.38 min Scan# 1883  
 Delta R.T. -0.00 min  
 Lab File: VW009014.D  
 Acq: 06 Mar 2019 11:43

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 20.6  | 10.2  | 30.6  |

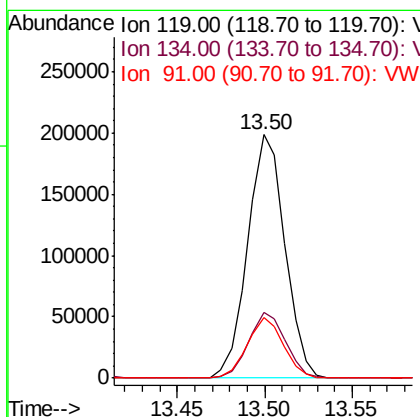
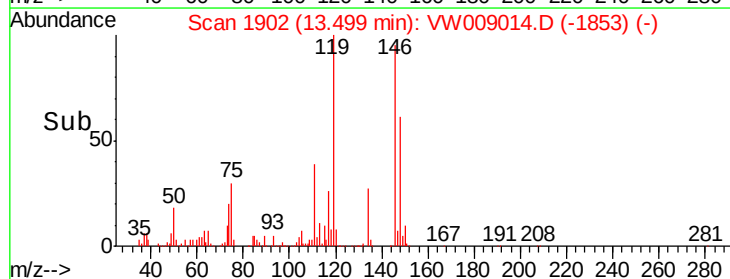
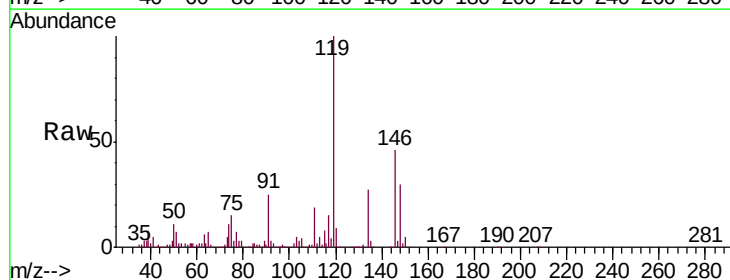
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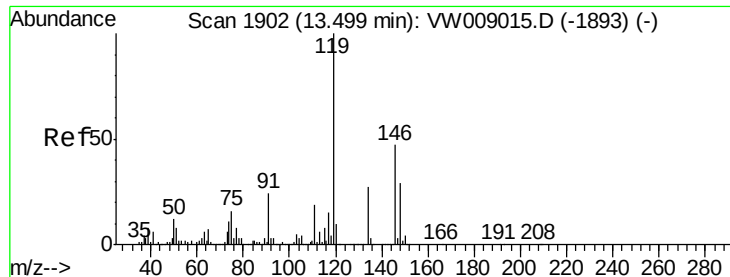


#86  
 p-Isopropyltoluene  
 Concen: 19.332 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: VW009014.D  
 Acq: 06 Mar 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.9  | 13.0  | 38.9  |
| 91      | 24.1  | 12.1  | 36.3  |







#87

1,3-Dichlorobenzene

Concen: 19.447 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009014.D

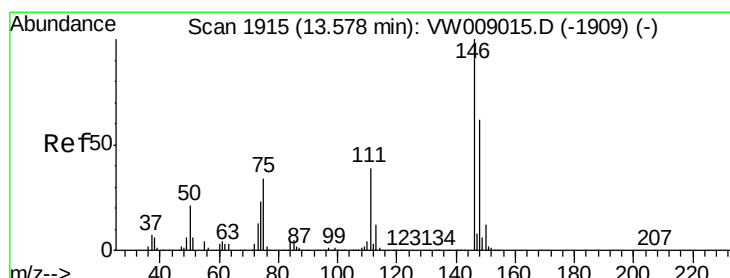
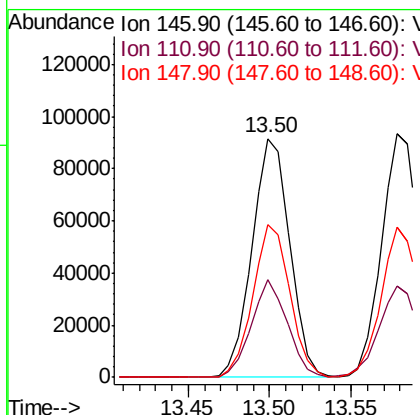
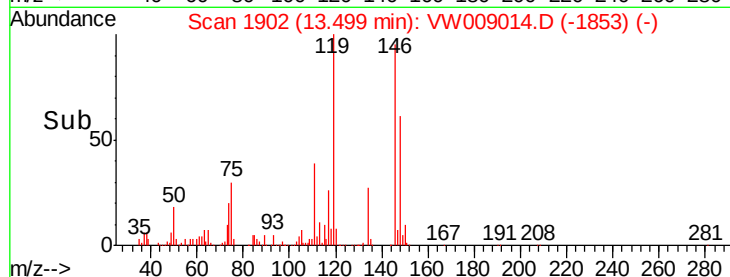
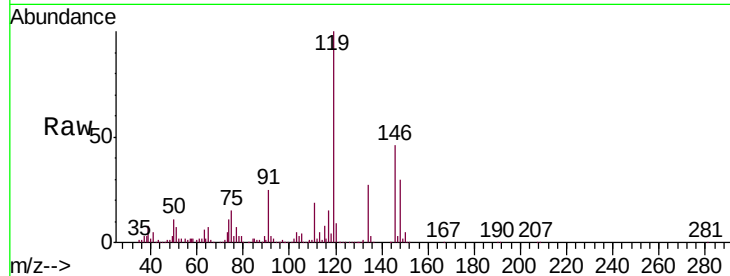
Acq: 06 Mar 2019 11:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 147420 |       |       |
| 111     | 39.0  | 19.6   | 58.7  |       |
| 148     | 62.8  | 31.7   | 95.1  |       |

Manual Integrations  
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3/8/2019 12:07:04 AM



#88

1,4-Dichlorobenzene

Concen: 19.815 ug/l

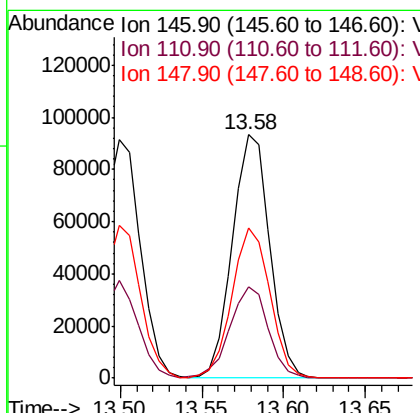
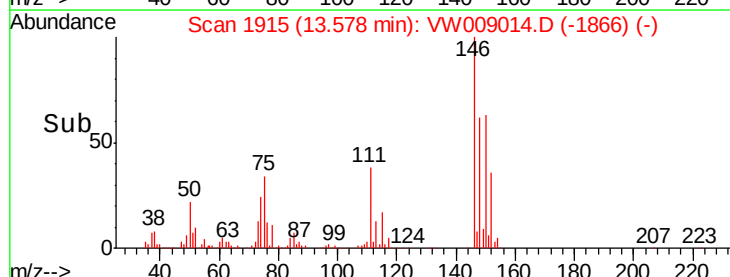
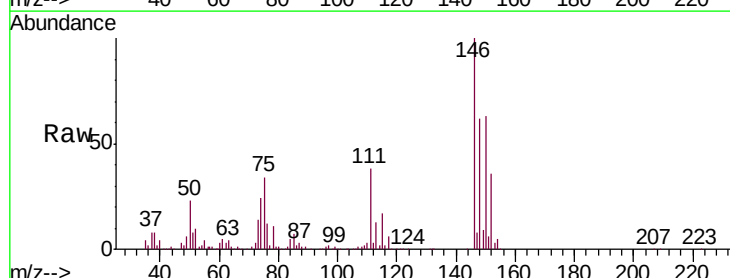
RT: 13.58 min Scan# 1915

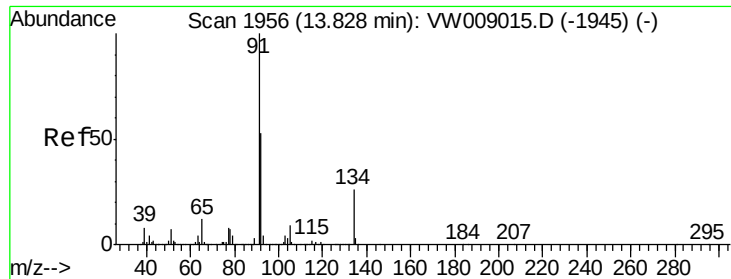
Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 148982 |       |       |
| 111     | 39.1  | 19.9   | 59.7  |       |
| 148     | 62.5  | 31.7   | 95.1  |       |





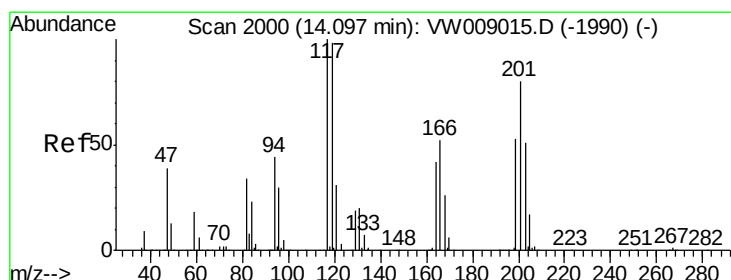
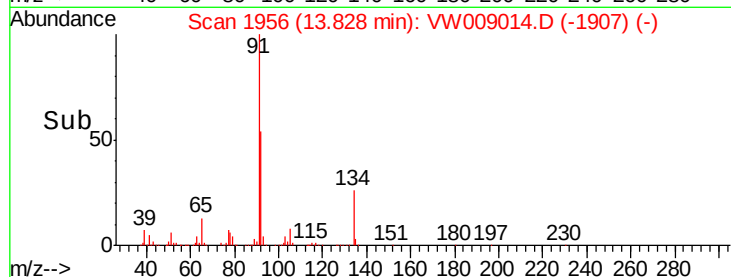
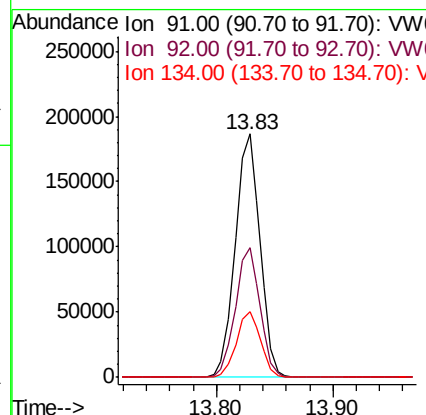
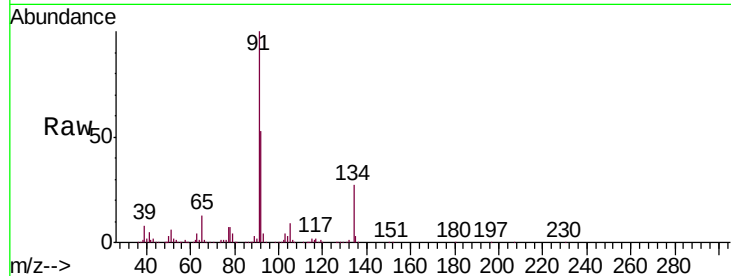
#89  
n-Butylbenzene  
Concen: 19.237 ug/l  
RT: 13.83 min Scan# 1956  
Delta R.T. -0.00 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.9  | 26.7  | 80.0  |
| 134     | 26.3  | 13.0  | 39.0  |

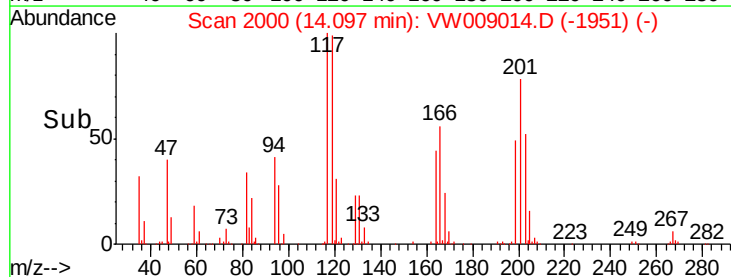
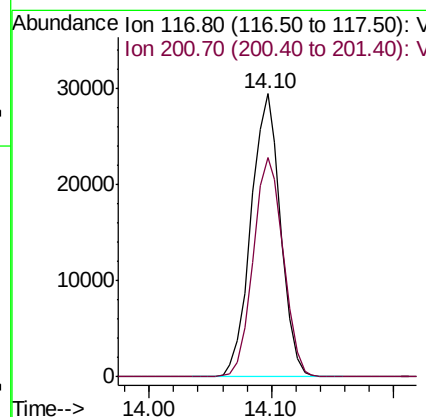
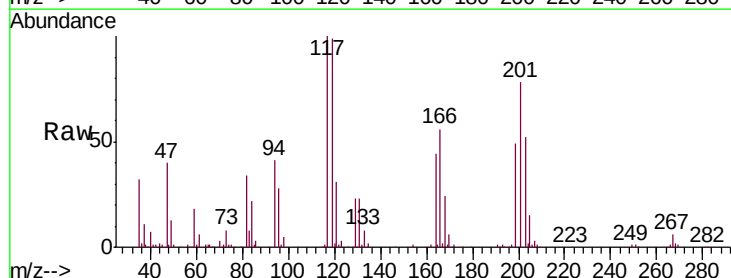
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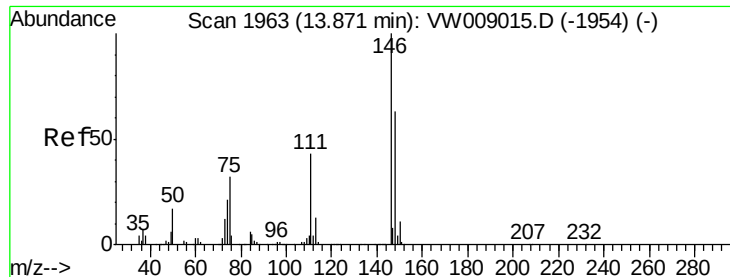
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3/8/2019 12:07:04 AM



#90  
Hexachloroethane  
Concen: 19.046 ug/l  
RT: 14.10 min Scan# 2000  
Delta R.T. -0.00 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 79.0  | 38.9  | 116.6 |





#91

1,2-Dichlorobenzene

Concen: 19.713 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

Instrument :

MSVOA\_W

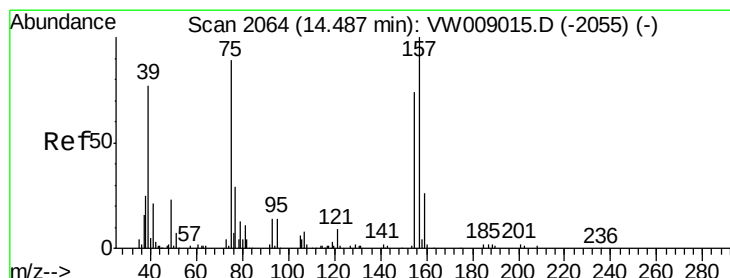
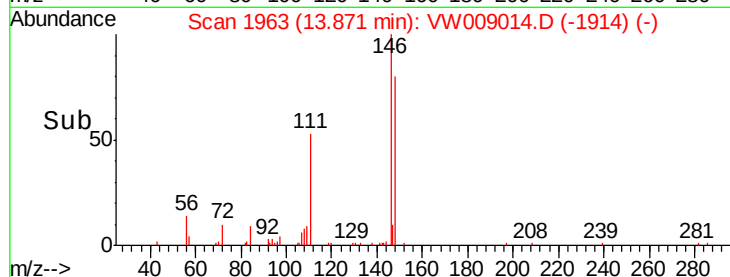
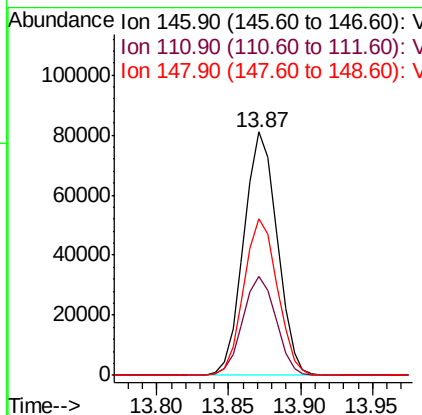
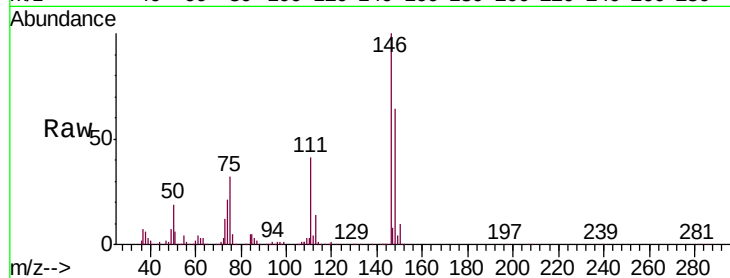
ClientSampleId :

VSTDIC020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 130746 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 40.3  | 20.8  | 62.4   |
| 148       | 64.4  | 31.8  | 95.3   |

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3/8/2019 12:07:04 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.930 ug/l

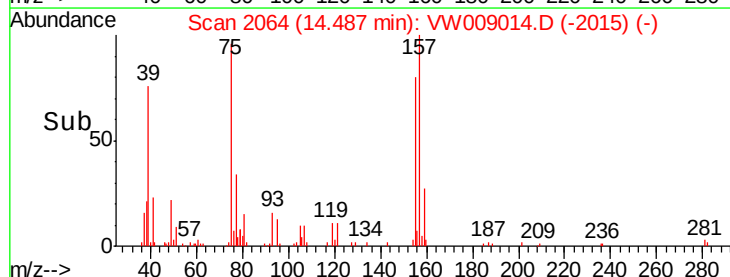
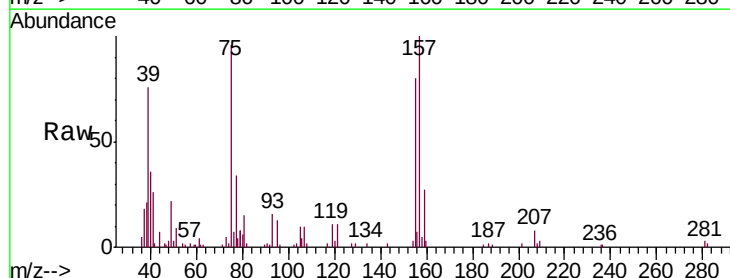
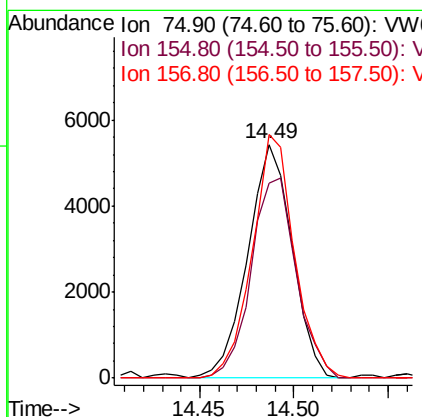
RT: 14.49 min Scan# 2064

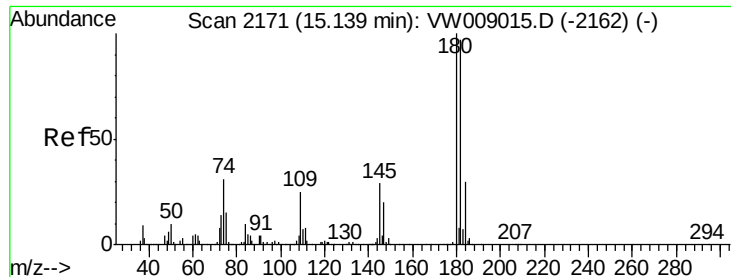
Delta R.T. -0.00 min

Lab File: VW009014.D

Acq: 06 Mar 2019 11:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 8887  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 86.7  | 41.4  | 124.4 |
| 157       | 98.6  | 53.1  | 159.4 |





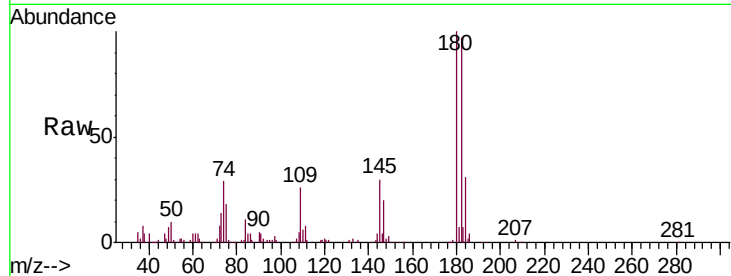
#93  
1,2,4-Trichlorobenzene  
Concen: 20.396 ug/l  
RT: 15.14 min Scan# 2171  
Delta R.T. -0.00 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

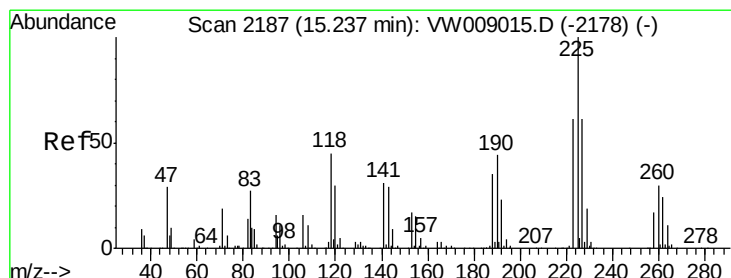
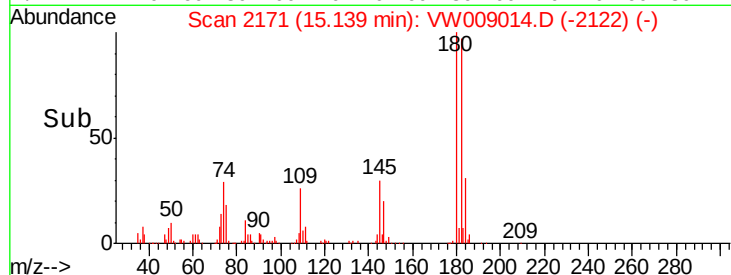
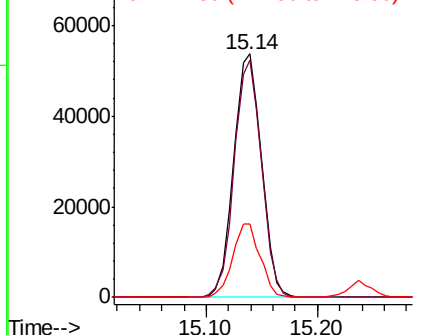
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.3  | 47.6  | 142.9 |
| 145     | 30.1  | 14.7  | 44.1  |

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3/8/2019 12:07:04 AM

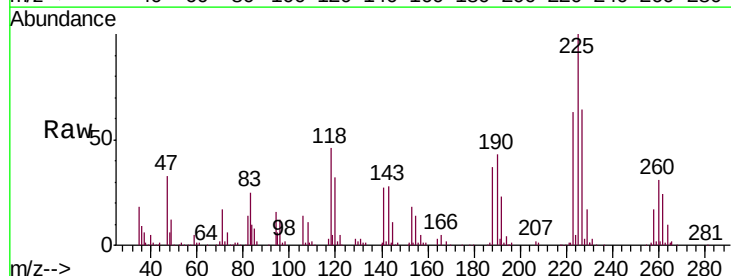


Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.80 (144.50 to 145.50): V

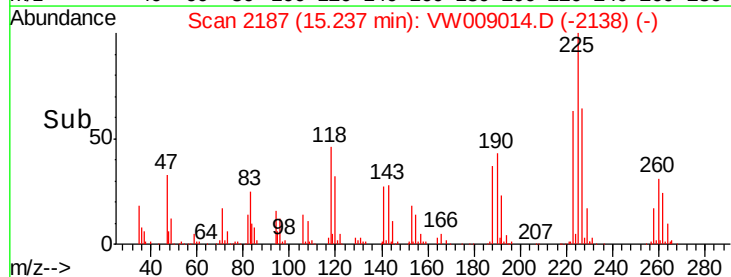
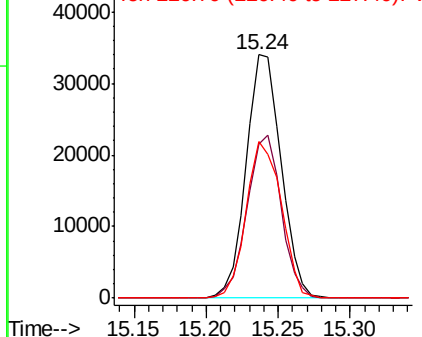


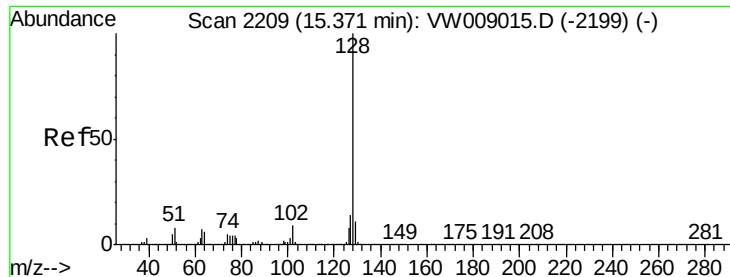
#94  
Hexachlorobutadiene  
Concen: 19.783 ug/l  
RT: 15.24 min Scan# 2187  
Delta R.T. -0.00 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 65.5  | 30.6  | 91.8  |
| 227     | 64.6  | 31.2  | 93.6  |



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





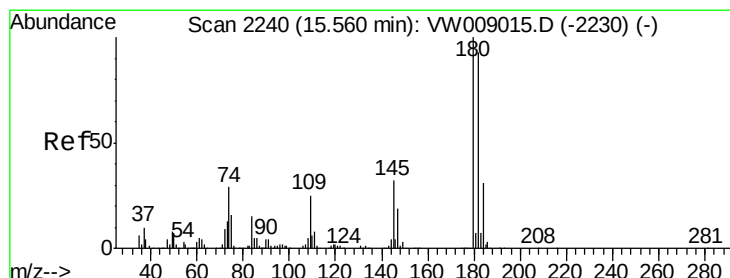
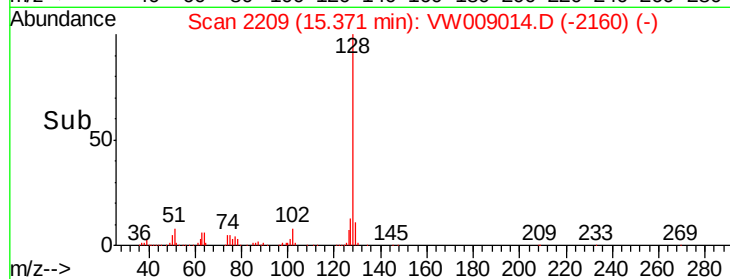
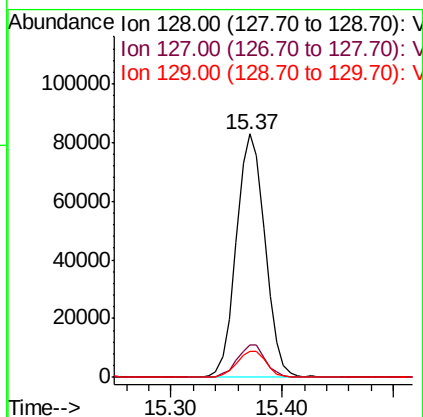
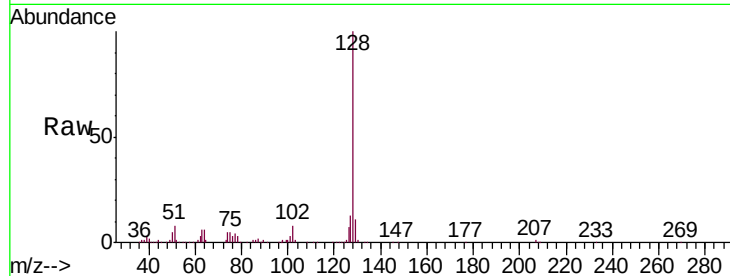
#95  
Naphthalene  
Concen: 20.096 ug/l  
RT: 15.37 min Scan# 2209  
Delta R.T. -0.00 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC020

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 147977 |       |       |
| 127     | 13.1  | 11.0   | 16.4  |       |
| 129     | 11.2  | 8.6    | 13.0  |       |

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3/8/2019 12:07:04 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 20.742 ug/l  
RT: 15.56 min Scan# 2240  
Delta R.T. -0.00 min  
Lab File: VW009014.D  
Acq: 06 Mar 2019 11:43

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 81561 |       |       |
| 182     | 94.6  | 47.3  | 141.8 |       |
| 145     | 31.7  | 15.4  | 46.2  |       |

