

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\  
 Data File : VW015405.D  
 Acq On : 06 May 2020 09:45  
 Operator : SY/VA  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 5/7/2020 10:34:47 AM

Quant Time: May 07 03:24:57 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W050620S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 05 18:41:17 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 243466   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 393207   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 354081   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 176080   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.30   | 65  | 132296   | 49.43 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.86%  |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 116130   | 51.46 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.92% |      |
| 50) Toluene-d8            | 10.32  | 98  | 487409   | 52.19 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.38% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 176865   | 51.28 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.56% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 77080   | 54.760  | ug/l | 99     |
| 3) Chloromethane              | 2.21 | 50  | 93380   | 52.990  | ug/l | 98     |
| 4) Vinyl Chloride             | 2.36 | 62  | 135483  | 50.767  | ug/l | 98     |
| 5) Bromomethane               | 2.78 | 94  | 105624  | 50.520  | ug/l | 95     |
| 6) Chloroethane               | 2.92 | 64  | 94598   | 51.438  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 97485   | 49.801  | ug/l | 99     |
| 8) Diethyl Ether              | 3.68 | 74  | 59289   | 48.469  | ug/l | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 116009  | 51.124  | ug/l | 99     |
| 10) Methyl Iodide             | 4.26 | 142 | 171611  | 49.979  | ug/l | 99     |
| 11) Tert butyl alcohol        | 5.20 | 59  | 34688   | 224.764 | ug/l | 97     |
| 12) 1,1-Dichloroethene        | 4.03 | 96  | 120302  | 51.123  | ug/l | 94     |
| 13) Acrolein                  | 3.89 | 56  | 45047   | 228.570 | ug/l | 99     |
| 14) Allyl chloride            | 4.66 | 41  | 213972  | 51.896  | ug/l | 99     |
| 15) Acrylonitrile             | 5.37 | 53  | 120058  | 241.157 | ug/l | 100    |
| 16) Acetone                   | 4.13 | 43  | 115154  | 276.970 | ug/l | 98     |
| 17) Carbon Disulfide          | 4.37 | 76  | 371186  | 51.443  | ug/l | 99     |
| 18) Methyl Acetate            | 4.67 | 43  | 52520   | 47.585  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 5.43 | 73  | 180572  | 47.759  | ug/l | 99     |
| 20) Methylene Chloride        | 4.91 | 84  | 121777  | 44.891  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 135584  | 50.757  | ug/l | 99     |
| 22) Diisopropyl ether         | 6.31 | 45  | 400951  | 49.764  | ug/l | 98     |
| 23) Vinyl Acetate             | 6.25 | 43  | 1215328 | 248.141 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 243299  | 50.371  | ug/l | 99     |
| 25) 2-Butanone                | 7.17 | 43  | 158983  | 245.327 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 7.16 | 77  | 157261  | 49.123  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 7.16 | 96  | 146093  | 50.367  | ug/l | 99     |
| 28) Bromochloromethane        | 7.51 | 49  | 94799   | 48.811  | ug/l | 98     |
| 29) Tetrahydrofuran           | 7.53 | 42  | 101618  | 238.269 | ug/l | 99     |
| 30) Chloroform                | 7.67 | 83  | 239301  | 49.863  | ug/l | 100    |
| 31) Cyclohexane               | 7.95 | 56  | 236612  | 48.246  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 205855  | 51.036  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 202579  | 52.438  | ug/l | 100    |
| 37) Ethyl Acetate             | 7.25 | 43  | 76619   | 51.114  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 8.06 | 117 | 188628  | 52.228  | ug/l | 97     |

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 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 5/7/2020 10:34:47 AM

Quant Time: May 07 03:24:57 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W050620S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 05 18:41:17 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.33  | 83   | 258072   | 52.774  | ug/l   | 99       |
| 40) Benzene                    | 8.32  | 78   | 536586   | 50.927  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.48  | 41   | 44420    | 46.900  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 162275   | 50.566  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.42  | 43   | 157010   | 49.805  | ug/l   | 100      |
| 44) Trichloroethene            | 9.09  | 130  | 142561   | 52.204  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 133097   | 51.136  | ug/l   | 100      |
| 46) Dibromomethane             | 9.46  | 93   | 64825    | 50.075  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.64  | 83   | 184413   | 52.270  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.43  | 41   | 73622    | 50.558  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.46  | 88   | 15753    | 966.949 | ug/l # | 75       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 368028   | 249.101 | ug/l   | 100      |
| 52) Toluene                    | 10.38 | 92   | 351680   | 51.363  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 187143   | 51.967  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 218246   | 51.471  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 90592    | 49.487  | ug/l   | 95       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 126303   | 50.215  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 164903   | 50.101  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 303574   | 248.087 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.97 | 43   | 255568   | 255.652 | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.13 | 129  | 112904   | 51.281  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.23 | 107  | 87882    | 50.701  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.86 | 164  | 114074   | 52.708  | ug/l   | 95       |
| 65) Chlorobenzene              | 11.66 | 112  | 358464   | 51.346  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 127446   | 51.489  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.73 | 91   | 695094   | 52.018  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.83 | 106  | 521721   | 105.014 | ug/l   | 99       |
| 69) o-Xylene                   | 12.16 | 106  | 245455   | 52.576  | ug/l   | 99       |
| 70) Styrene                    | 12.18 | 104  | 424158   | 52.752  | ug/l   | 99       |
| 71) Bromoform                  | 12.35 | 173  | 60983    | 50.520  | ug/l # | 96       |
| 73) Isopropylbenzene           | 12.46 | 105  | 687022   | 52.263  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.27 | 43   | 155256   | 49.964  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 103561   | 50.360  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 67501m   | 46.600  | ug/l   |          |
| 77) Bromobenzene               | 12.74 | 156  | 140374   | 50.389  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.80 | 91   | 829751   | 52.610  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 463303   | 52.113  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 581697   | 52.534  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 38304    | 52.306  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 484734   | 51.448  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 502013   | 53.133  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 578538   | 52.228  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.38 | 105  | 714269   | 53.655  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 642748   | 52.939  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 290672   | 52.381  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 280040   | 50.956  | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.82 | 91   | 633082   | 53.263  | ug/l   | 100      |
| 90) Hexachloroethane           | 14.09 | 117  | 120429   | 53.826  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 251893   | 52.426  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.48 | 75   | 17982    | 50.088  | ug/l   | 99       |

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Data File : VW015405.D  
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Sample : VSTDCCC050  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

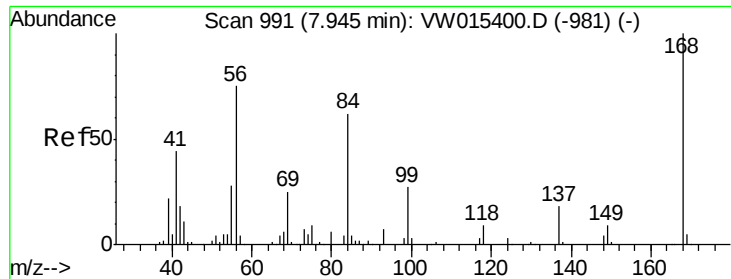
MMDadoda  
5/7/2020 10:34:47 AM

Quant Time: May 07 03:24:57 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W050620S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 05 18:41:17 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.13 | 180  | 172704   | 53.481 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 101801   | 53.199 | ug/l  | 99       |
| 95) Naphthalene            | 15.36 | 128  | 301338   | 52.095 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.55 | 180  | 147320   | 53.095 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 243466

Ion Ratio Lower Upper

168 100

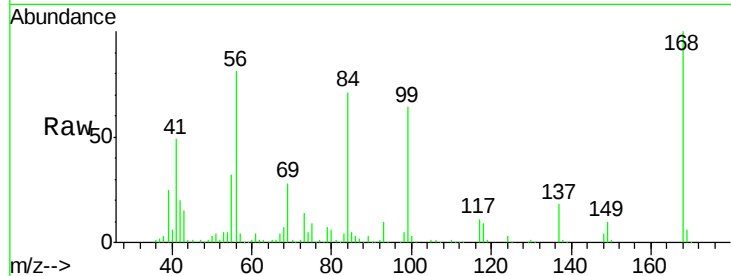
99 64.3 50.3 75.5

Manual Integrations

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5/7/2020 10:34:47 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

40000

20000

0

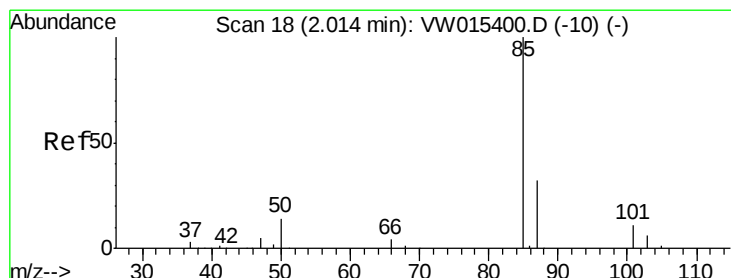
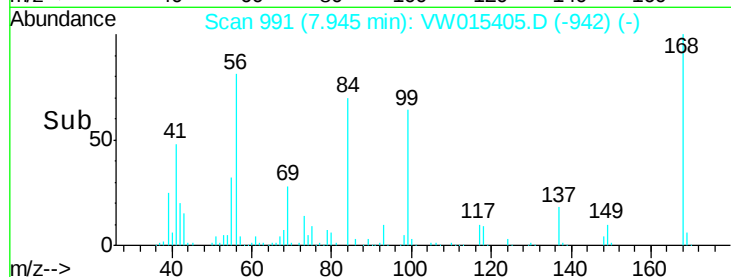
7.80

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 54.760 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015405.D

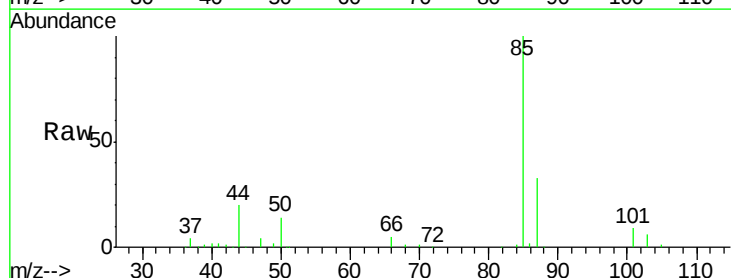
Acq: 06 May 2020 09:45

Tgt Ion: 85 Resp: 77080

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

25000

20000

15000

10000

5000

0

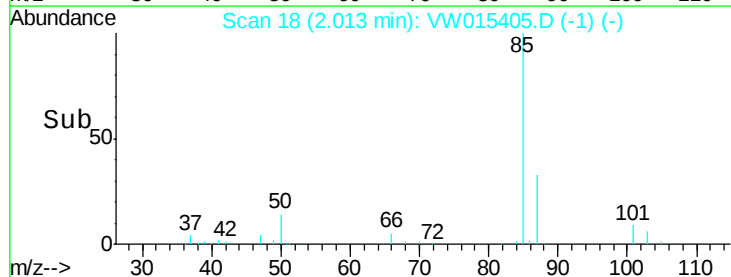
1.90

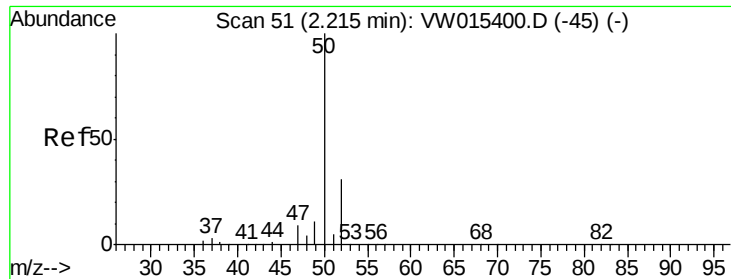
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 52.990 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 93380

Ion Ratio Lower Upper

50 100

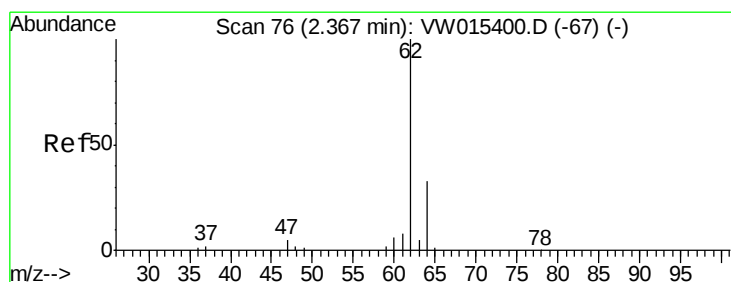
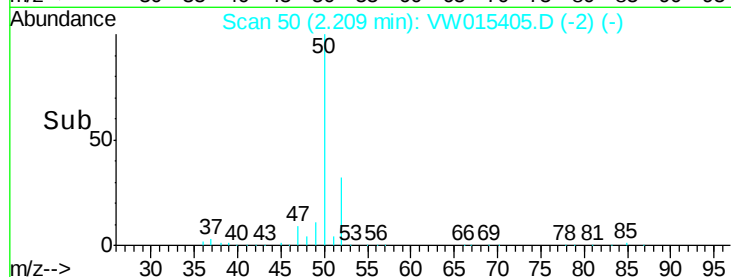
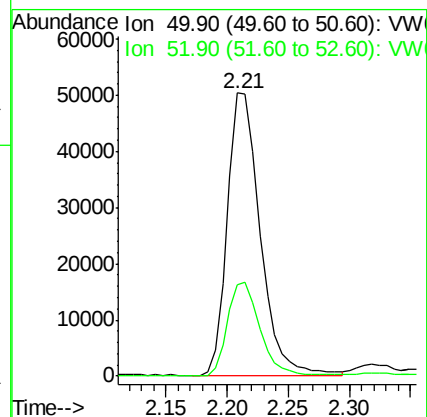
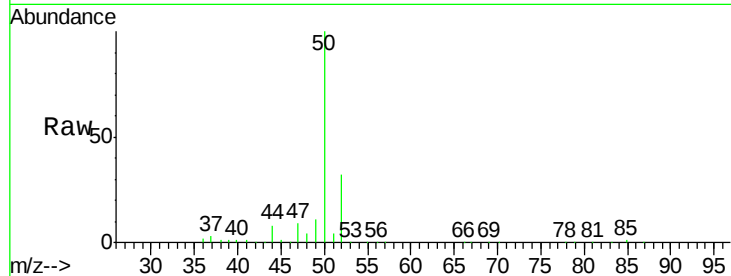
52 32.6 25.0 37.6

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:34:47 AM



#4

Vinyl Chloride

Concen: 50.767 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015405.D

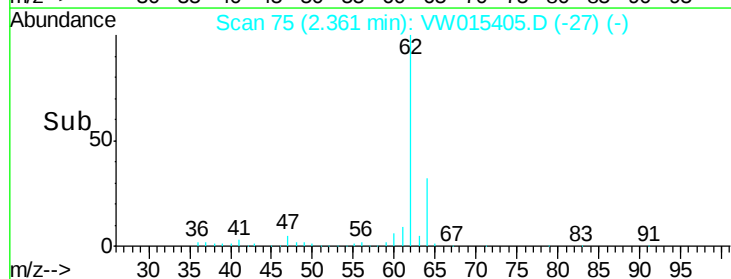
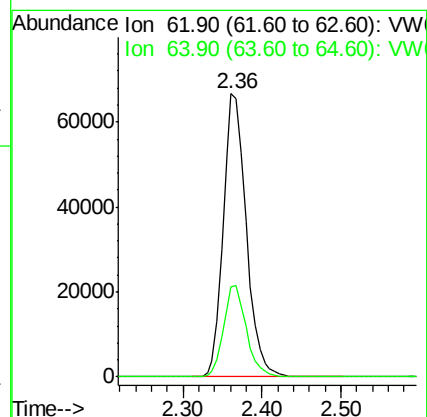
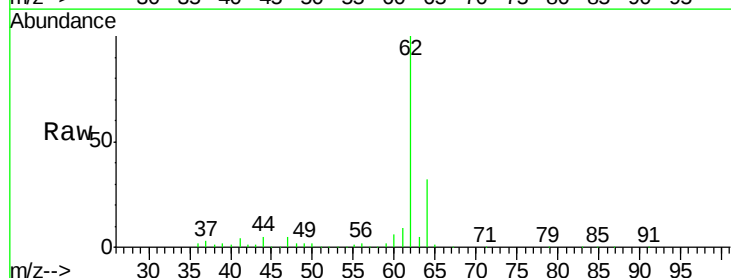
Acq: 06 May 2020 09:45

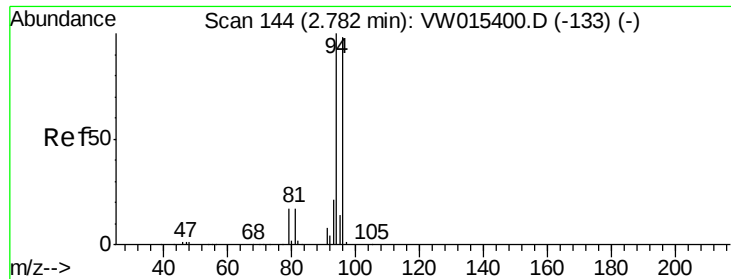
Tgt Ion: 62 Resp: 135483

Ion Ratio Lower Upper

62 100

64 32.0 26.4 39.6





#5

Bromomethane

Concen: 50.520 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 105624

Ion Ratio Lower Upper

94 100

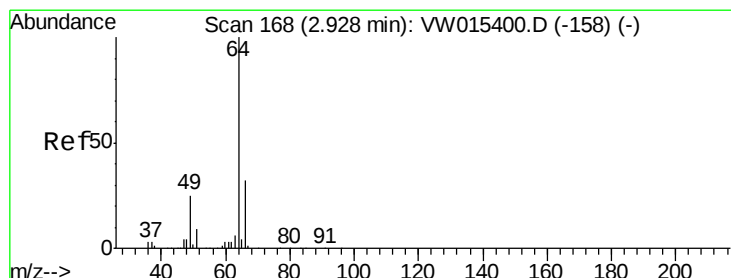
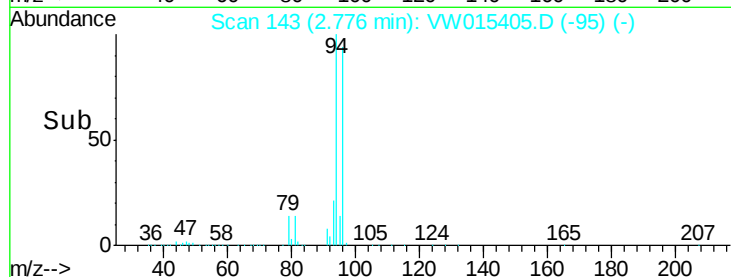
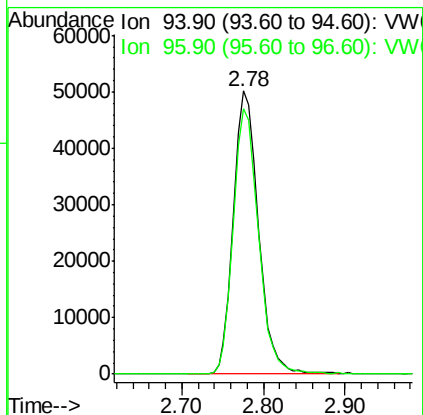
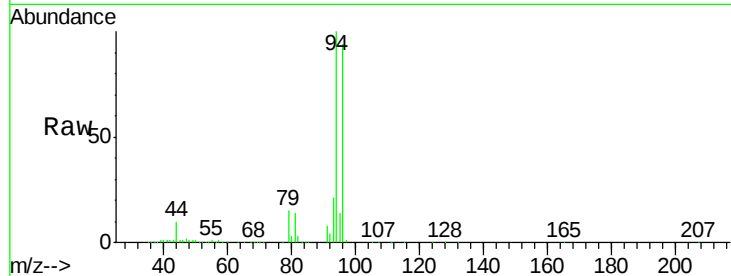
96 93.7 78.8 118.2

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:34:47 AM



#6

Chloroethane

Concen: 51.438 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015405.D

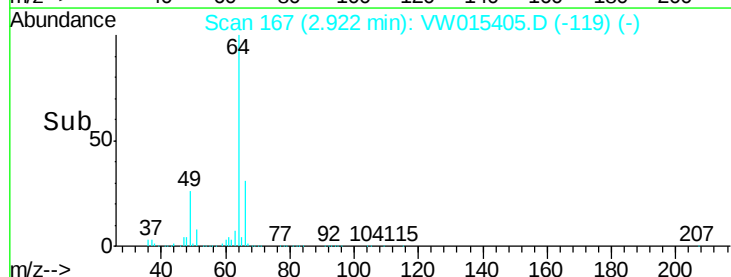
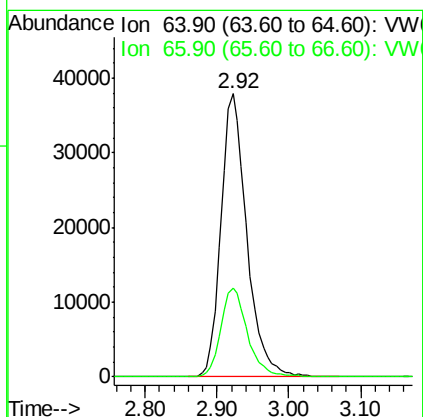
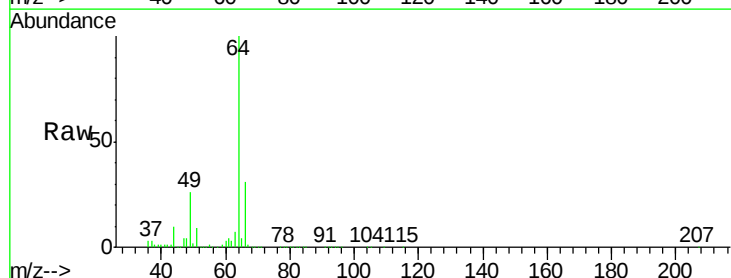
Acq: 06 May 2020 09:45

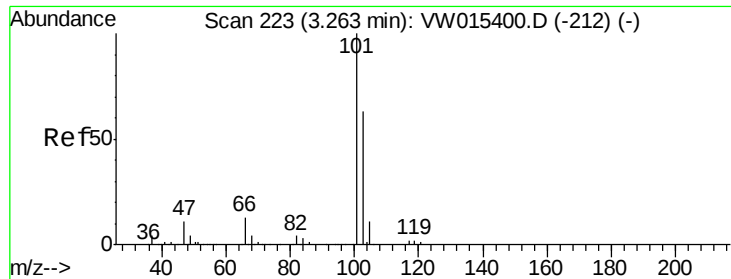
Tgt Ion: 64 Resp: 94598

Ion Ratio Lower Upper

64 100

66 31.3 25.4 38.0





#7

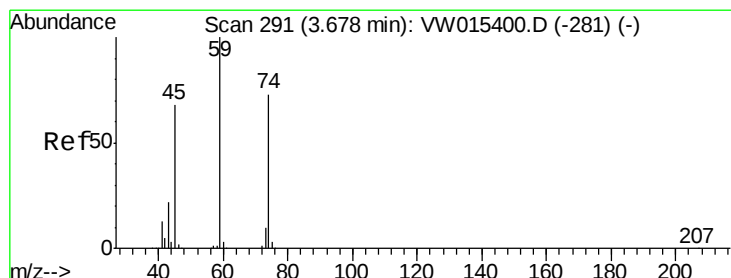
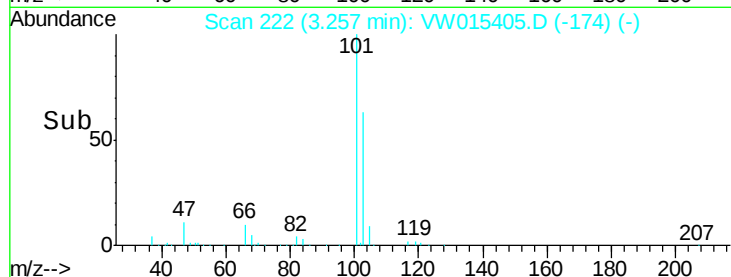
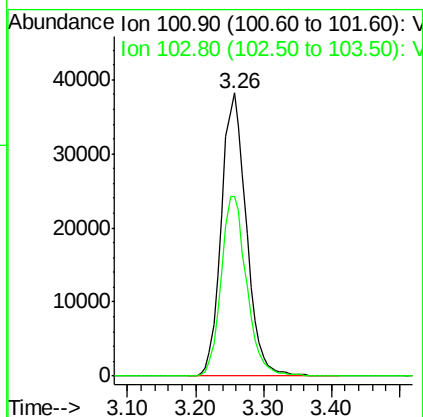
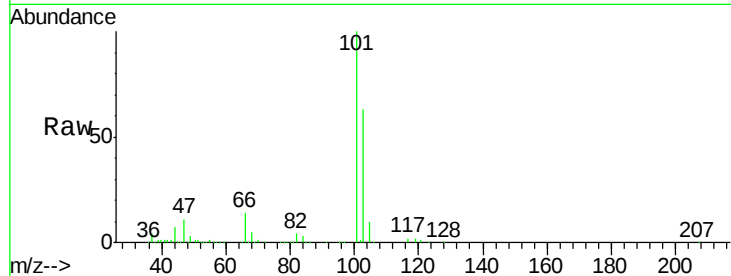
Trichlorofluoromethane  
 Concen: 49.801 ug/l  
 RT: 3.26 min Scan# 222  
 Delta R.T. -0.01 min  
 Lab File: VW015405.D  
 Acq: 06 May 2020 09:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 63.2  | 50.2  | 75.4  |

Manual Integrations  
 APPROVED

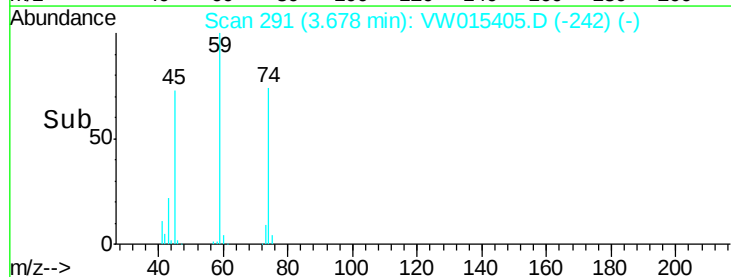
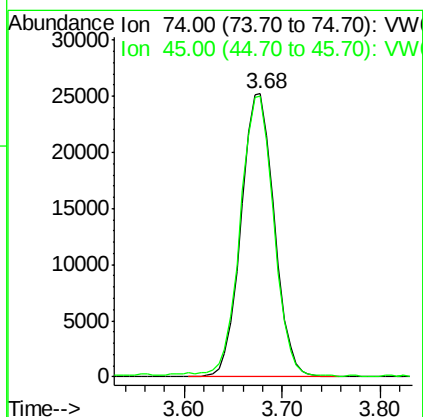
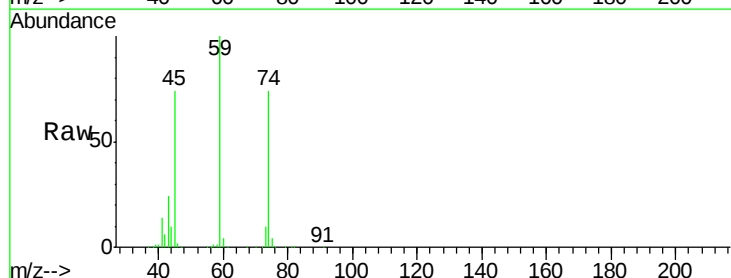
MMDadoda  
 5/7/2020 10:34:47 AM

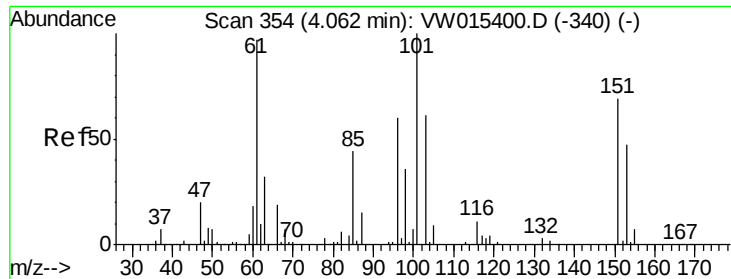


#8

Diethyl Ether  
 Concen: 48.469 ug/l  
 RT: 3.68 min Scan# 291  
 Delta R.T. -0.00 min  
 Lab File: VW015405.D  
 Acq: 06 May 2020 09:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 100.5 | 48.3  | 144.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.124 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA\_W

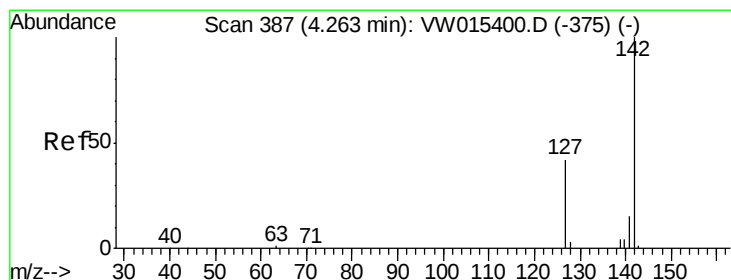
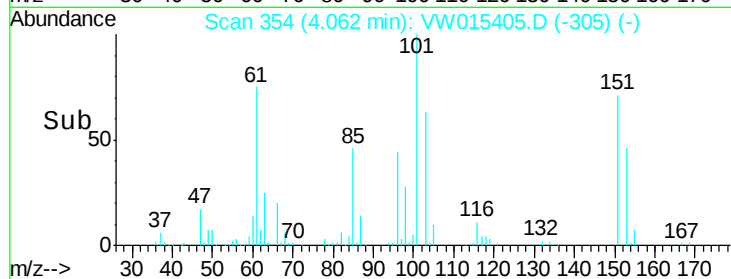
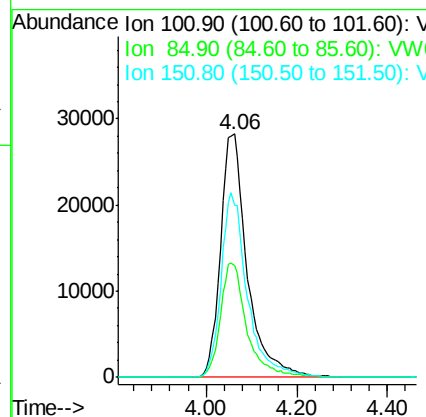
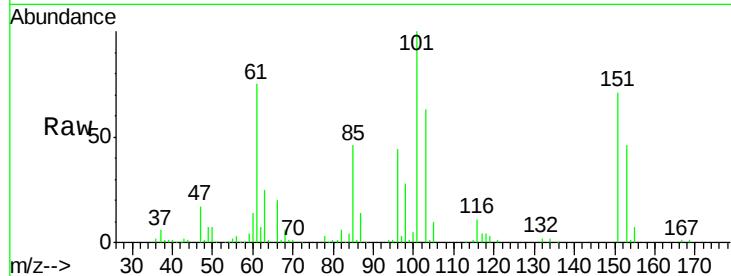
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 116009 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 46.4  | 37.3  | 55.9   |
| 151       | 74.2  | 58.9  | 88.3   |

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5/7/2020 10:34:47 AM



#10

Methyl Iodide

Concen: 49.979 ug/l

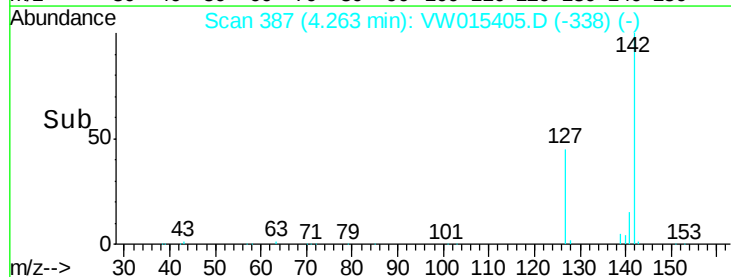
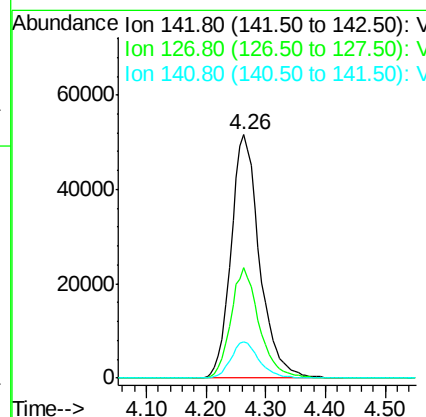
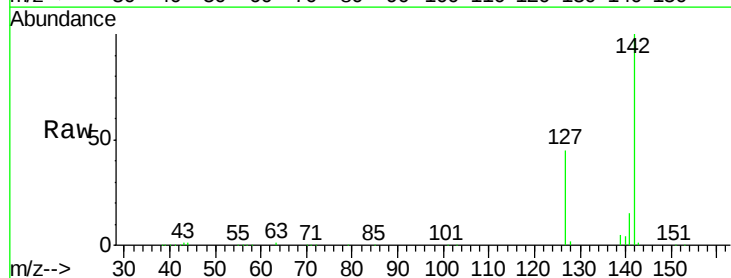
RT: 4.26 min Scan# 387

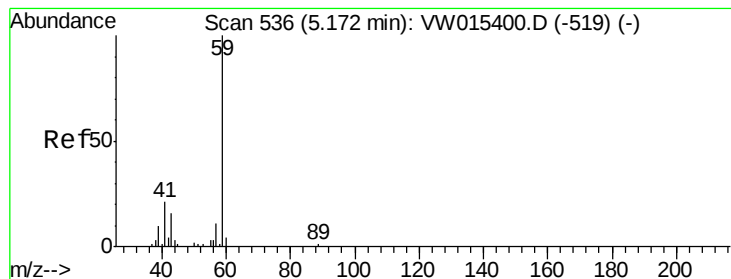
Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 171611 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 44.8  | 35.4  | 53.2   |
| 141       | 15.0  | 11.7  | 17.5   |





#11

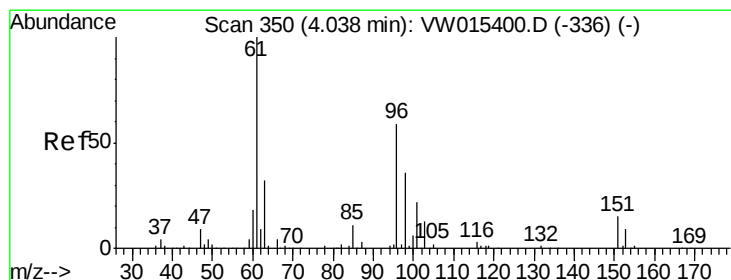
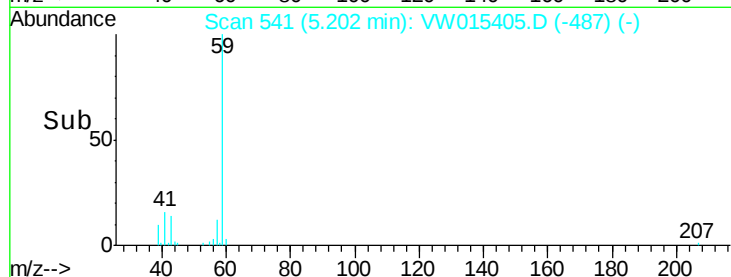
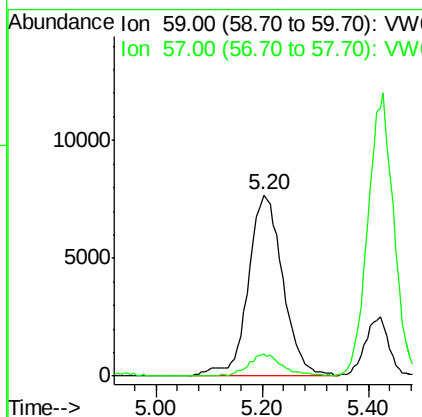
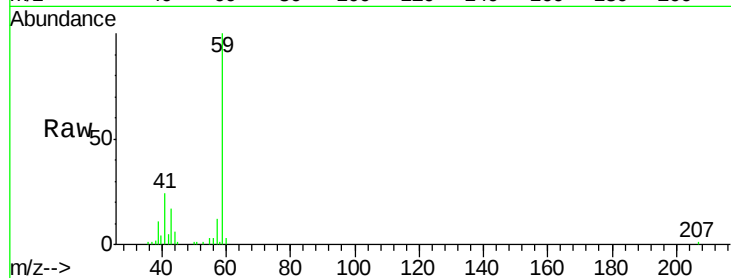
Tert butyl alcohol  
Concen: 224.764 ug/l  
RT: 5.20 min Scan# 541  
Delta R.T. 0.03 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDCCC050

| Tot Ion   | 59   | Resp  | 34688 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 57        | 11.8 | 8.6   | 13.0  |

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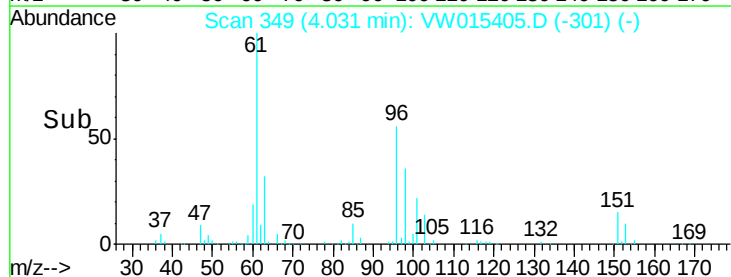
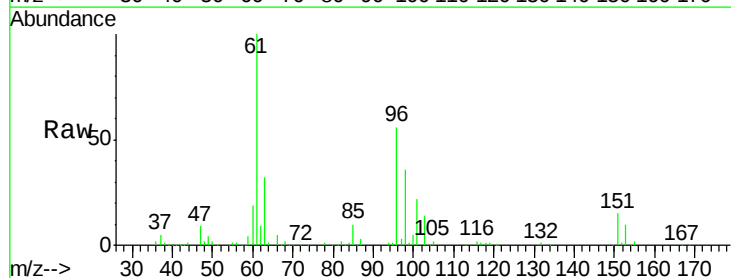
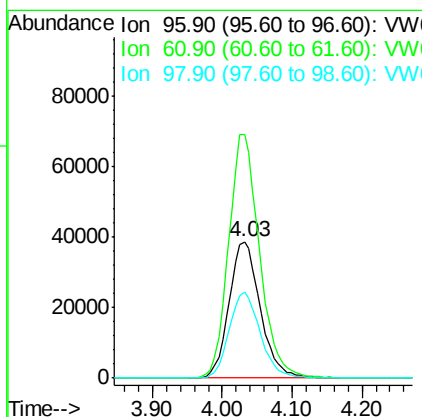
MMDadoda  
5/7/2020 10:34:47 AM

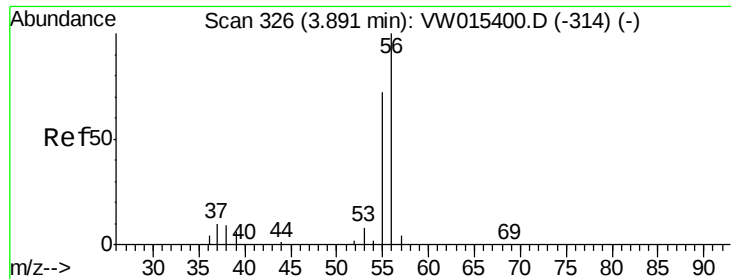


#12

1,1-Dichloroethene  
Concen: 51.123 ug/l  
RT: 4.03 min Scan# 349  
Delta R.T. -0.01 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

| Tgt Ion   | 96    | Resp  | 120302 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 178.7 | 135.8 | 203.8  |
| 98        | 63.5  | 48.6  | 72.8   |





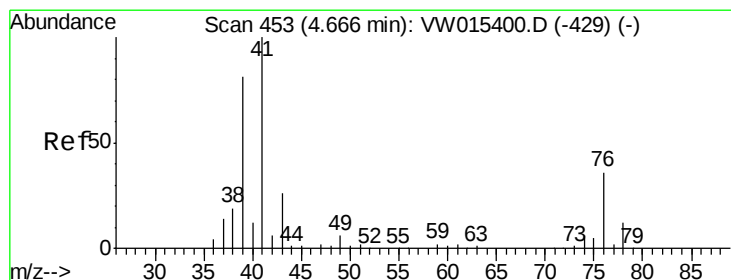
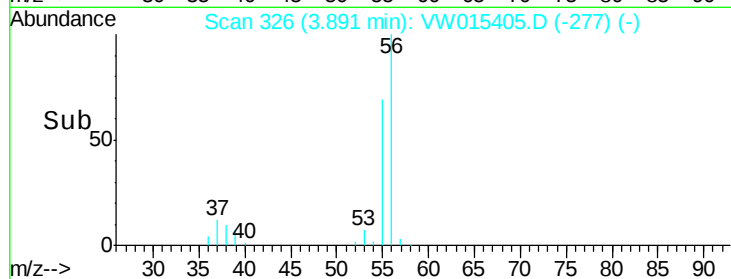
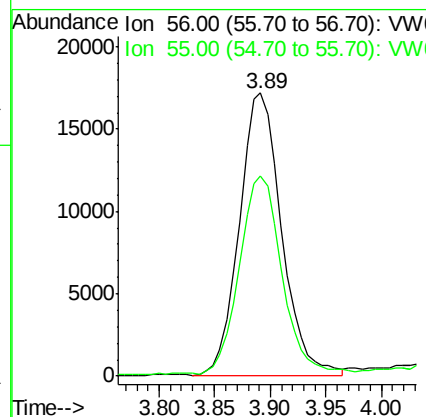
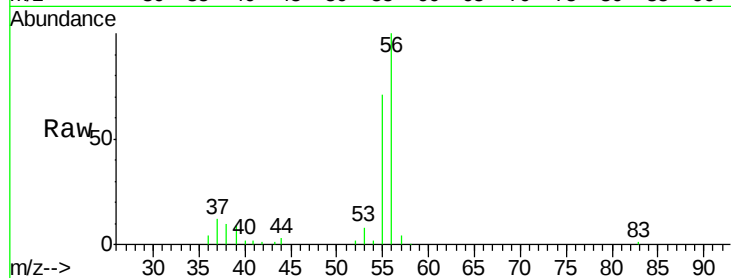
#13  
 Acrolein  
 Concen: 228.570 ug/l  
 RT: 3.89 min Scan# 326  
 Delta R.T. -0.00 min  
 Lab File: VW015405.D  
 Acq: 06 May 2020 09:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | 56  | 55   | Ratio | Lower | Upper |
|---------|-----|------|-------|-------|-------|
| 45047   | 100 | 69.9 |       | 56.4  | 84.6  |

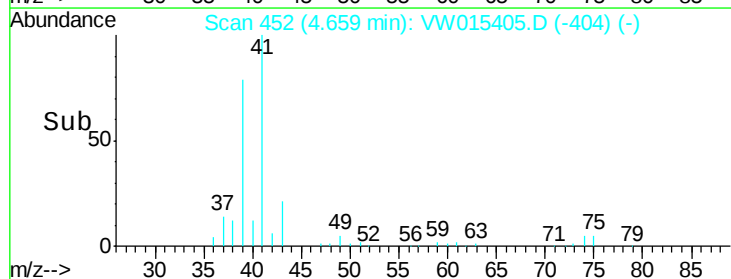
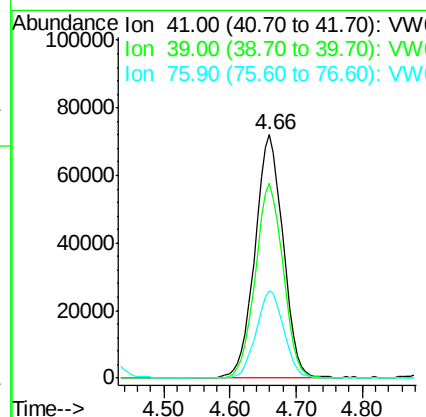
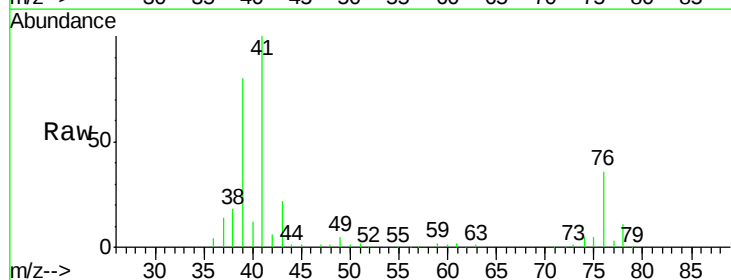
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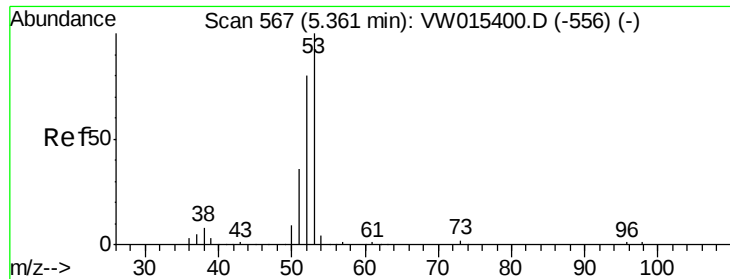
MMDadoda  
 5/7/2020 10:34:47 AM



#14  
 Allyl chloride  
 Concen: 51.896 ug/l  
 RT: 4.66 min Scan# 452  
 Delta R.T. -0.01 min  
 Lab File: VW015405.D  
 Acq: 06 May 2020 09:45

| Tgt Ion | 41  | 39   | 76   | Ratio | Lower | Upper |
|---------|-----|------|------|-------|-------|-------|
| 213972  | 100 | 78.6 | 35.1 |       | 63.6  | 95.4  |
|         |     |      |      |       | 28.4  | 42.6  |





#15

Acrylonitrile

Concen: 241.157 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA\_W

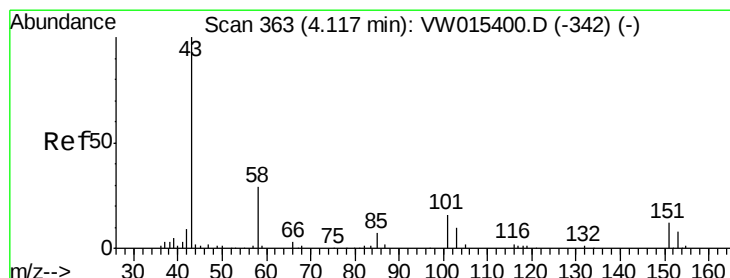
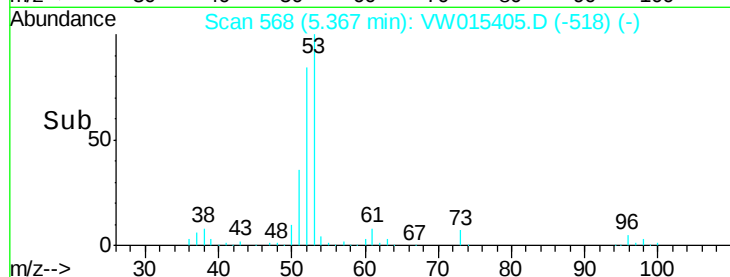
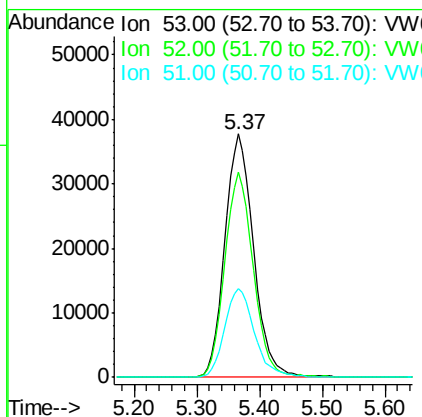
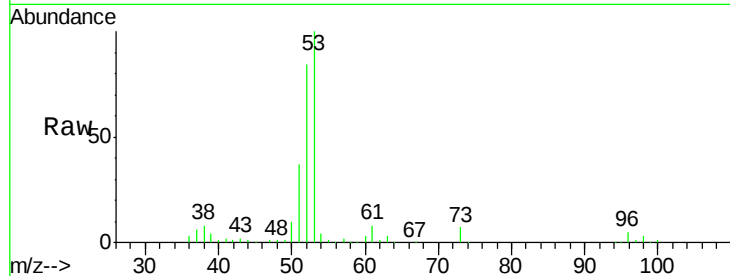
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 120058 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 83.6  | 66.6  | 99.8   |
| 51       | 37.7  | 30.2  | 45.2   |

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#16

Acetone

Concen: 276.970 ug/l

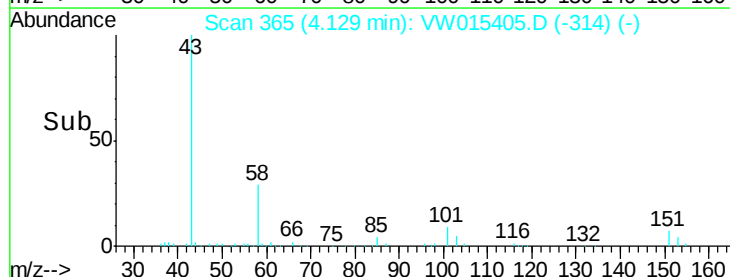
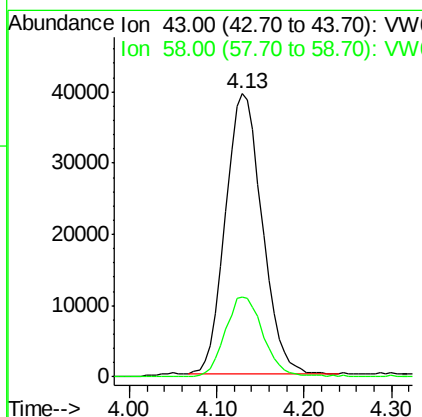
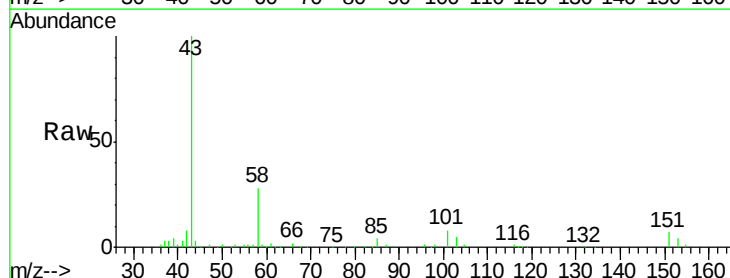
RT: 4.13 min Scan# 365

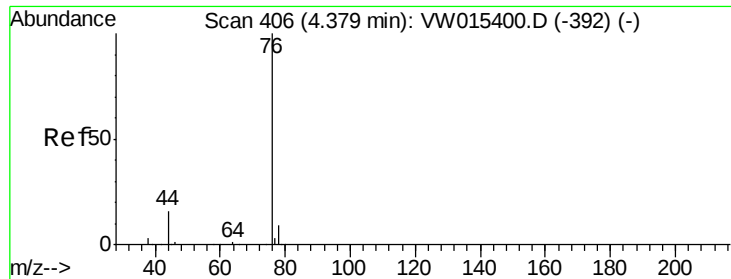
Delta R.T. 0.01 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 115154 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 28.3  | 23.4  | 35.0   |





#17

Carbon Disulfide

Concen: 51.443 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 371186

Ion Ratio Lower Upper

76 100

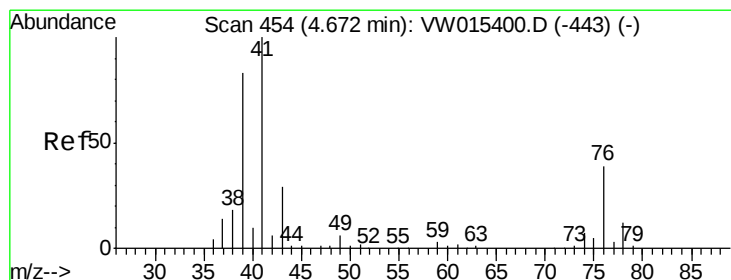
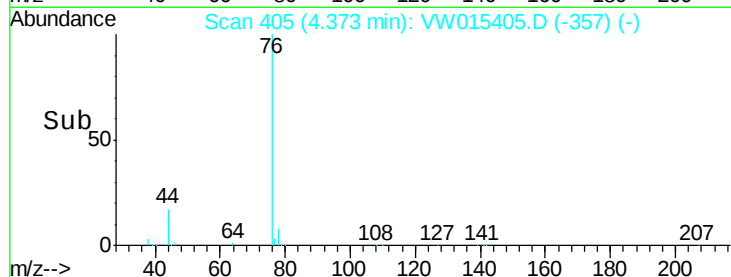
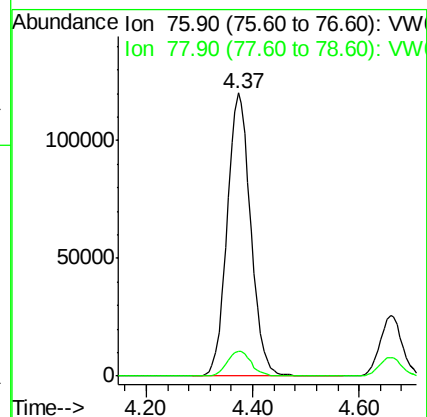
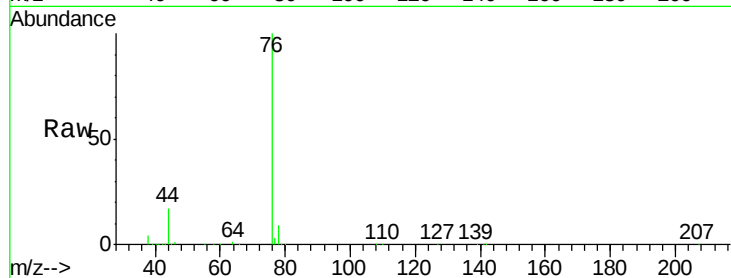
78 8.7 7.3 10.9

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#18

Methyl Acetate

Concen: 47.585 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015405.D

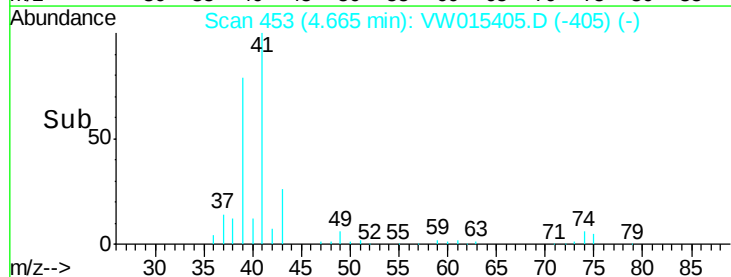
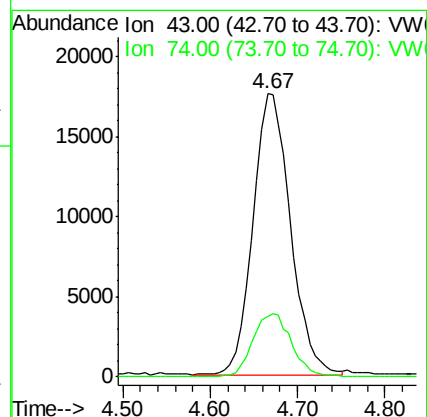
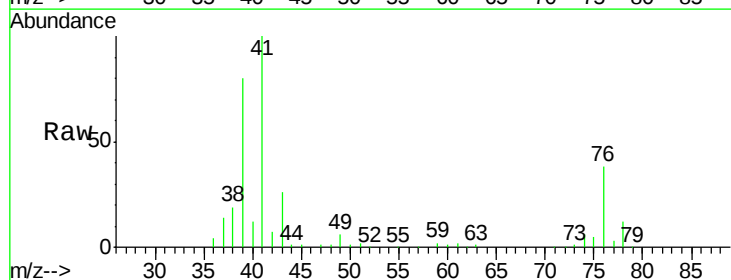
Acq: 06 May 2020 09:45

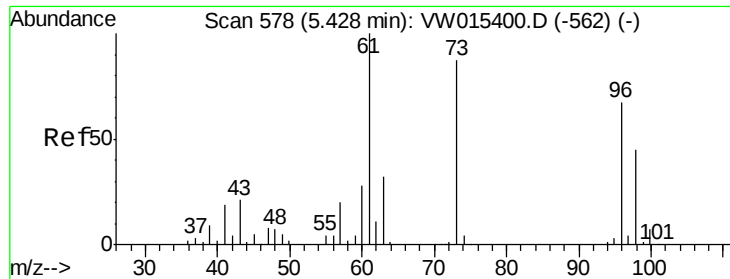
Tgt Ion: 43 Resp: 52520

Ion Ratio Lower Upper

43 100

74 23.3 18.7 28.1





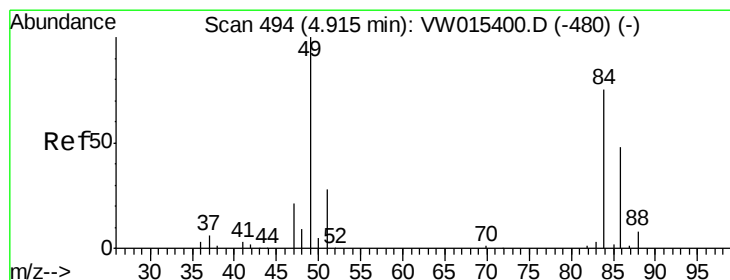
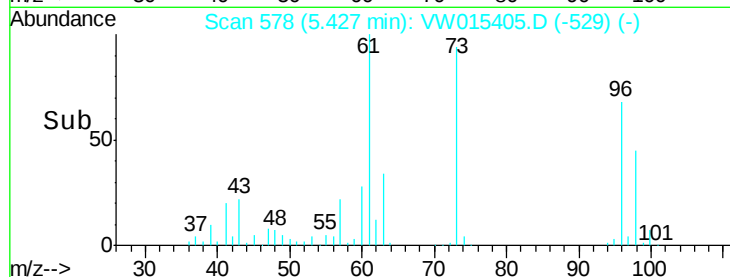
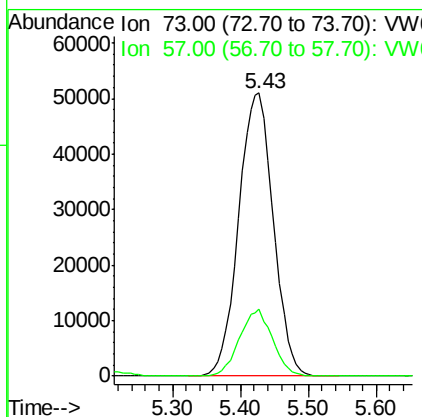
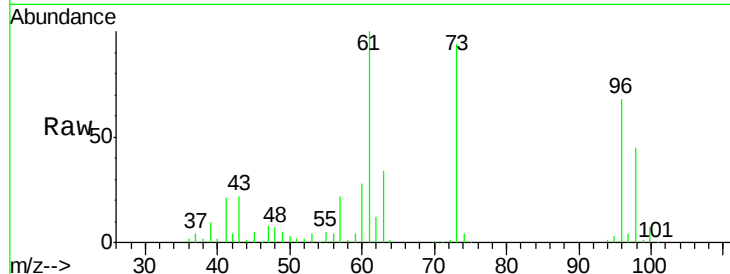
#19  
Methvl tert-butvl Ether  
Concen: 47.759 ug/l  
RT: 5.43 min Scan# 578  
Delta R.T. -0.00 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 180572  
Ion Ratio Lower Upper  
73 100  
57 23.6 18.5 27.7

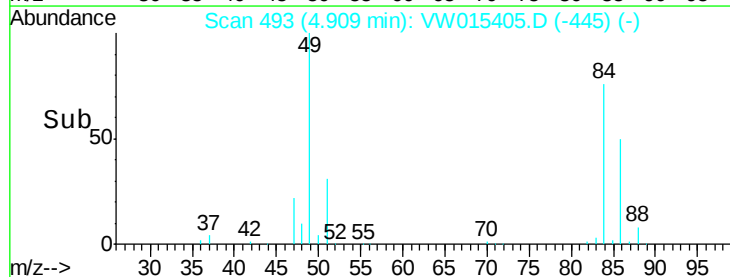
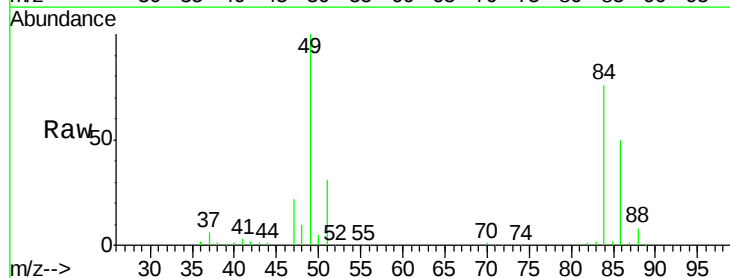
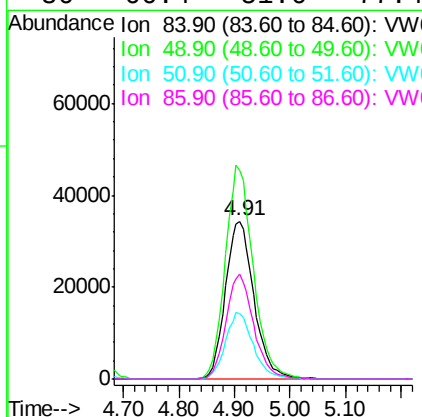
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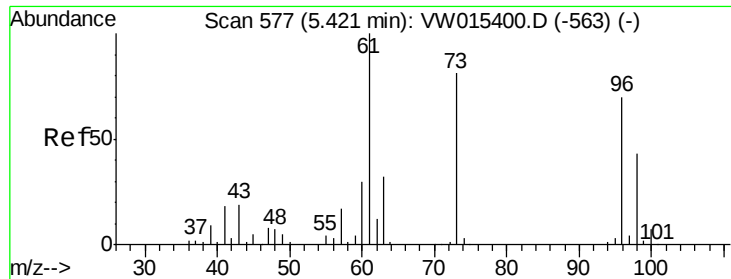
MMDadoda  
5/7/2020 10:34:47 AM



#20  
Methylene Chloride  
Concen: 44.891 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

Tgt Ion: 84 Resp: 121777  
Ion Ratio Lower Upper  
84 100  
49 132.4 106.4 159.6  
51 41.6 30.2 45.2  
86 66.4 51.6 77.4





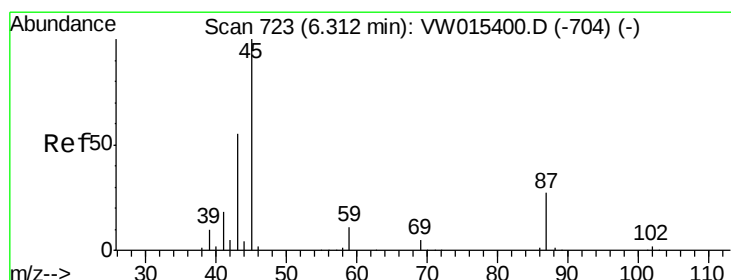
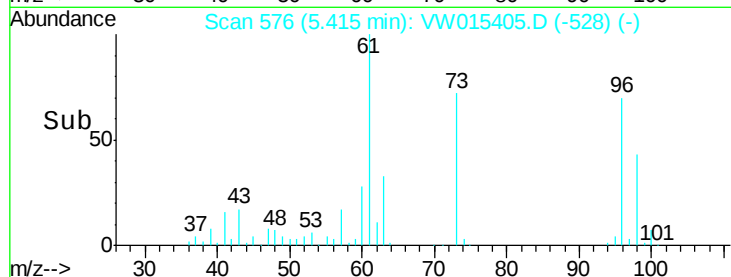
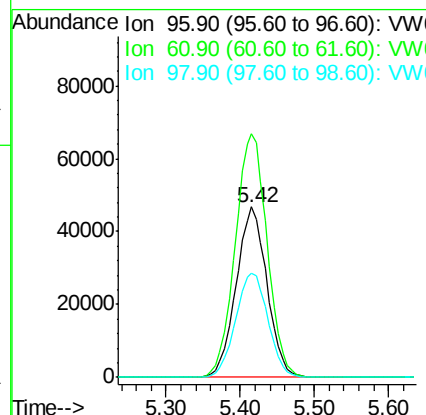
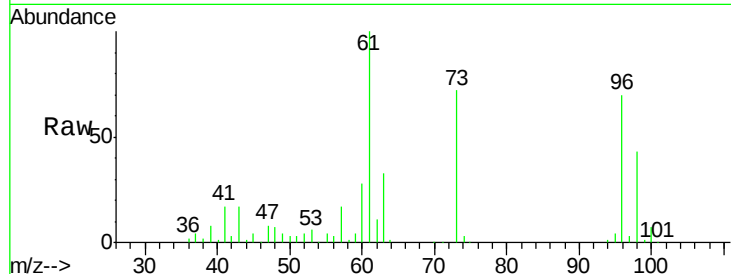
#21  
trans-1,2-Dichloroethene  
Concen: 50.757 ug/l  
RT: 5.42 min Scan# 576  
Delta R.T. -0.01 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 142.7 | 114.9 | 172.3 |
| 98      | 61.3  | 49.4  | 74.0  |

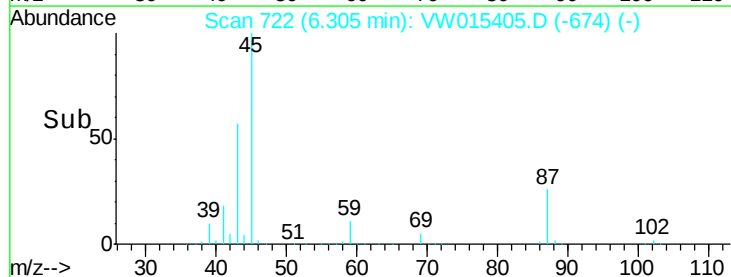
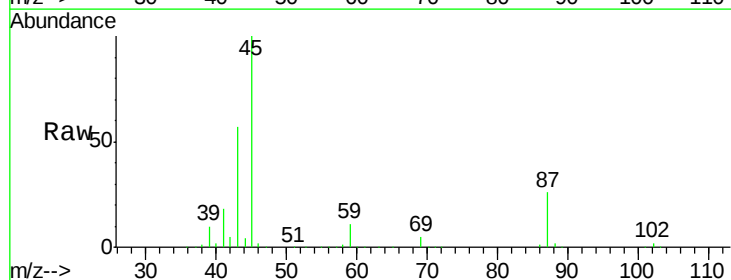
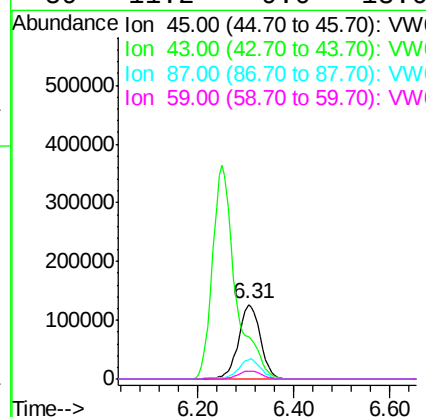
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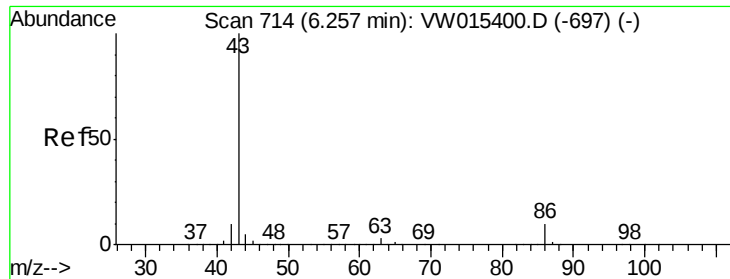
MMDadoda  
5/7/2020 10:34:47 AM



#22  
Diisopropyl ether  
Concen: 49.764 ug/l  
RT: 6.31 min Scan# 722  
Delta R.T. -0.01 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 56.6  | 44.2  | 66.4  |
| 87      | 25.9  | 21.6  | 32.4  |
| 59      | 11.2  | 9.0   | 13.6  |





#23

Vinyl Acetate

Concen: 248.141 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1215328

Ion Ratio Lower Upper

43 100

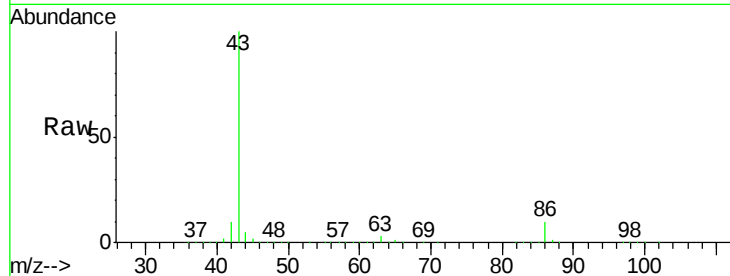
86 10.4 8.1 12.1

Manual Integrations

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5/7/2020 10:34:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

400000

300000

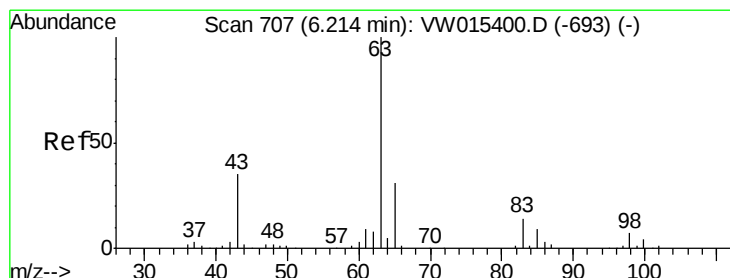
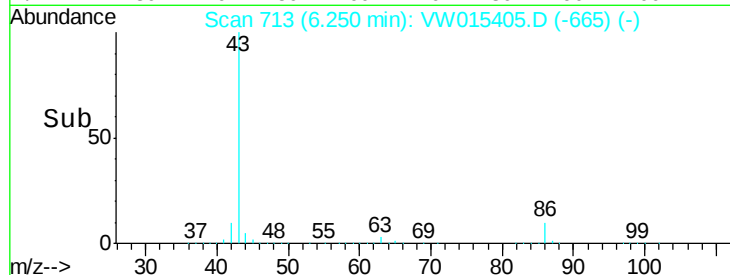
200000

100000

0

6.10 6.20 6.30 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 50.371 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

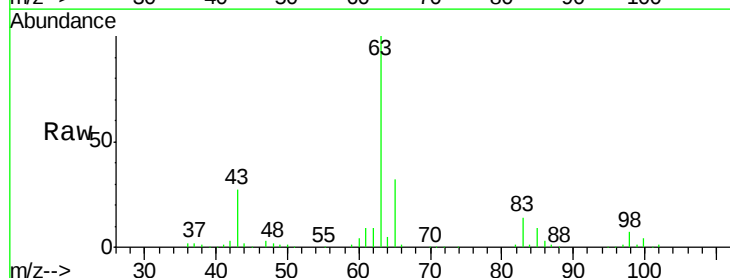
Tgt Ion: 63 Resp: 243299

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

100 4.1 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

100000

80000

60000

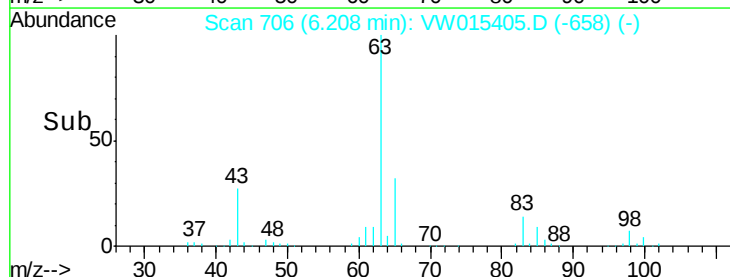
40000

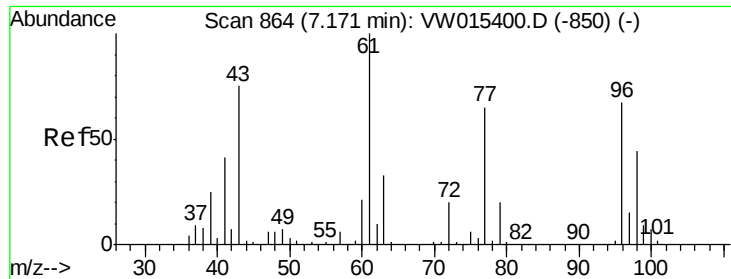
20000

0

6.10 6.20 6.30 6.40

Time-->





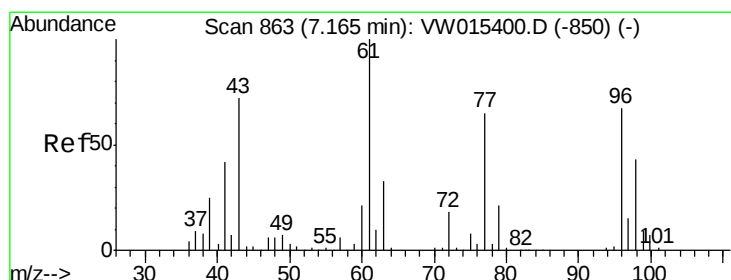
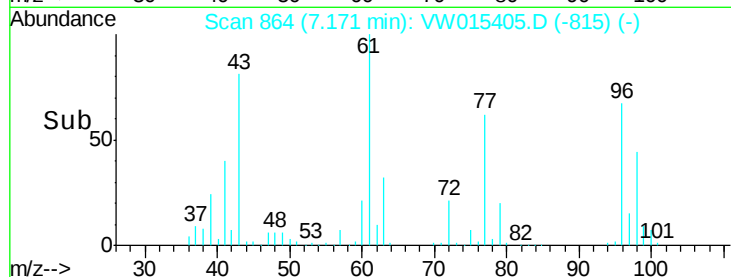
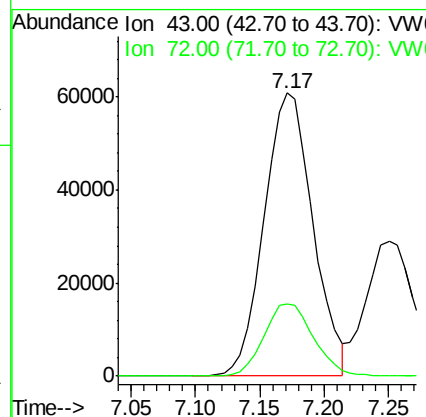
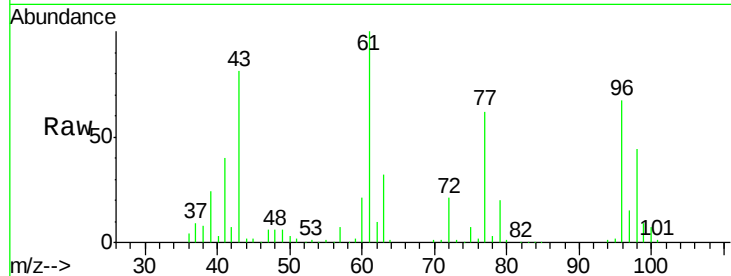
#25  
2-Butanone  
Concen: 245.327 ug/l  
RT: 7.17 min Scan# 864  
Delta R.T. -0.00 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 158983  
Ion Ratio Lower Upper  
43 100  
72 25.6 21.4 32.0

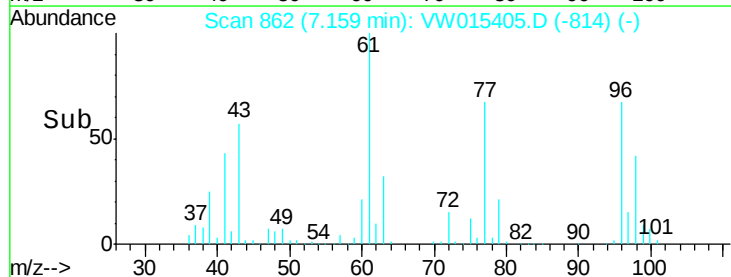
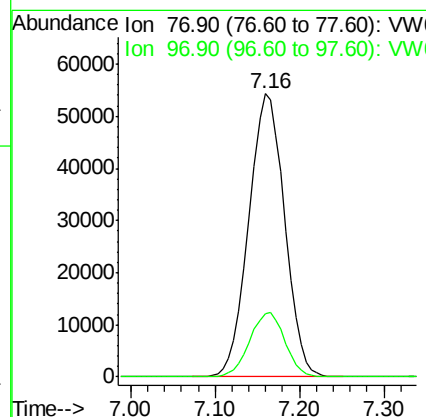
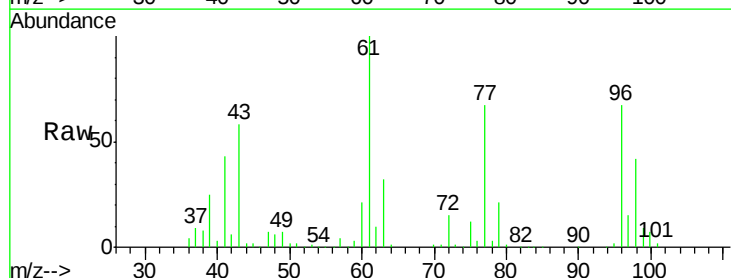
Manual Integrations  
APPROVED

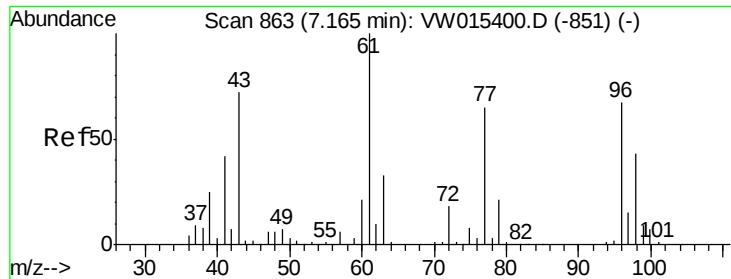
MMDadoda  
5/7/2020 10:34:47 AM



#26  
2,2-Dichloropropane  
Concen: 49.123 ug/l  
RT: 7.16 min Scan# 862  
Delta R.T. -0.01 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

Tgt Ion: 77 Resp: 157261  
Ion Ratio Lower Upper  
77 100  
97 22.3 11.1 33.1





#27

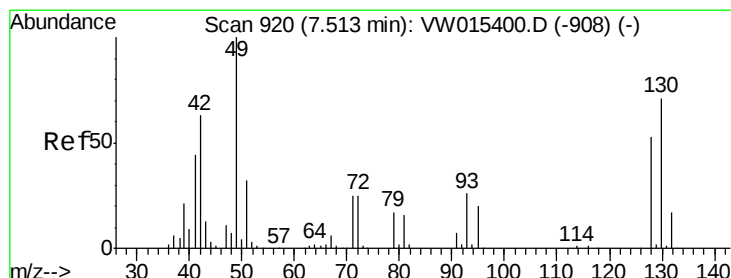
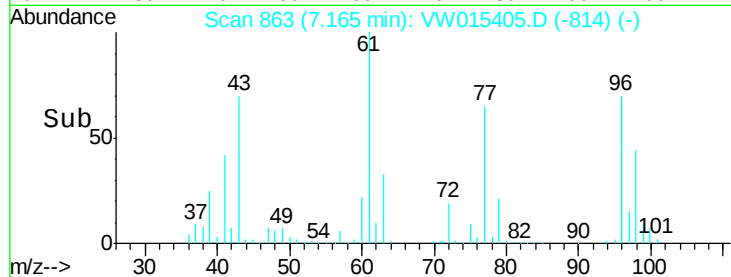
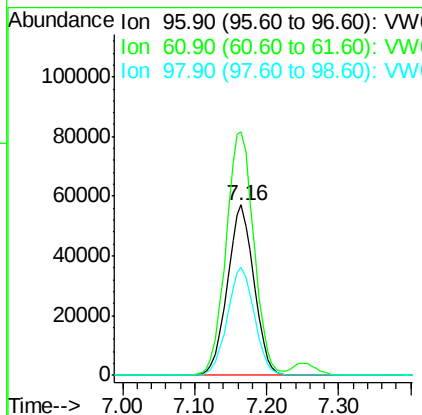
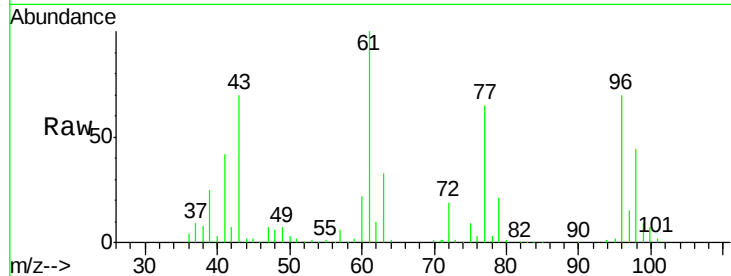
cis-1,2-Dichloroethene  
 Concen: 50.367 ug/l  
 RT: 7.16 min Scan# 863  
 Delta R.T. -0.00 min  
 Lab File: VW015405.D  
 Acq: 06 May 2020 09:45

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 146093 |       |       |
| 61      | 149.8 | 0.0    | 304.6 |       |
| 98      | 64.5  | 0.0    | 129.2 |       |

Manual Integrations  
 APPROVED

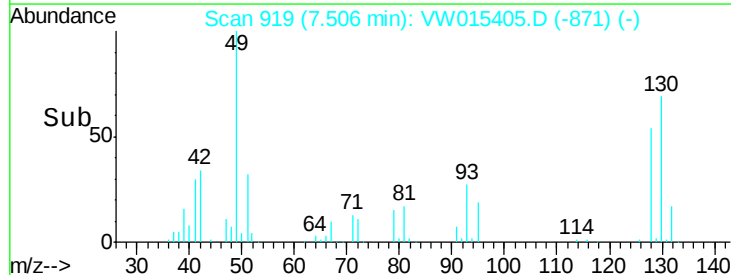
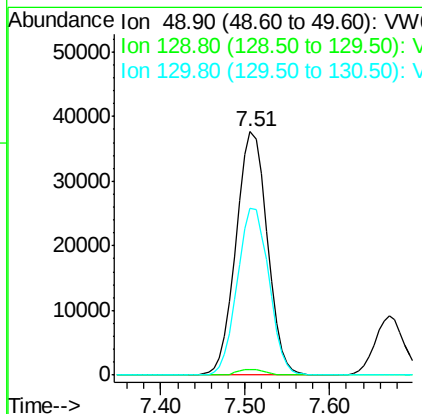
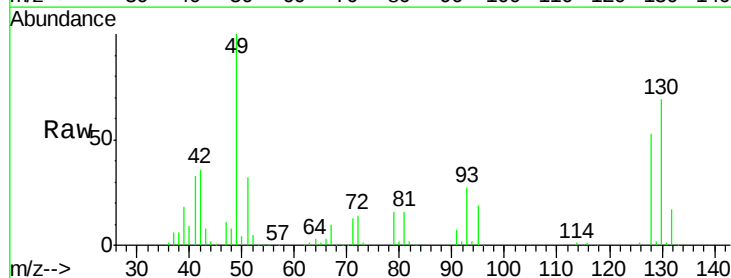
MMDadoda  
 5/7/2020 10:34:47 AM

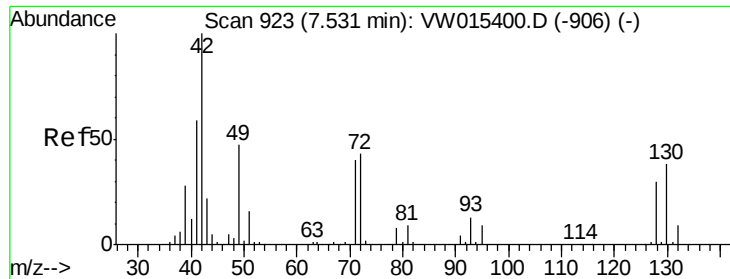


#28

Bromochloromethane  
 Concen: 48.811 ug/l  
 RT: 7.51 min Scan# 919  
 Delta R.T. -0.01 min  
 Lab File: VW015405.D  
 Acq: 06 May 2020 09:45

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 94799 |       |       |
| 129     | 1.9   | 0.0   | 3.0   |       |
| 130     | 69.1  | 57.0  | 85.4  |       |





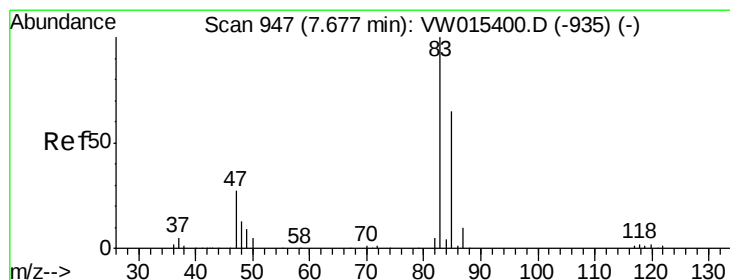
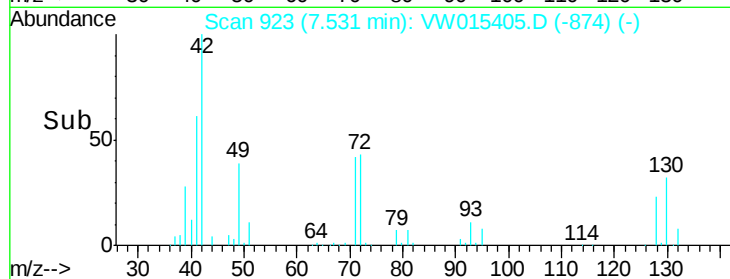
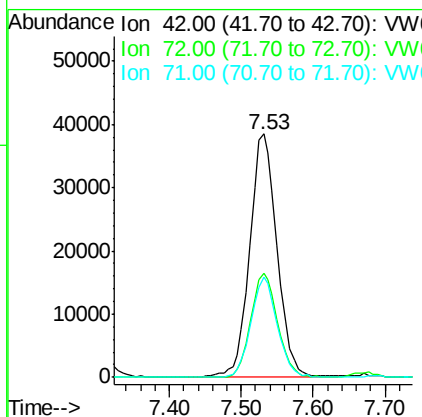
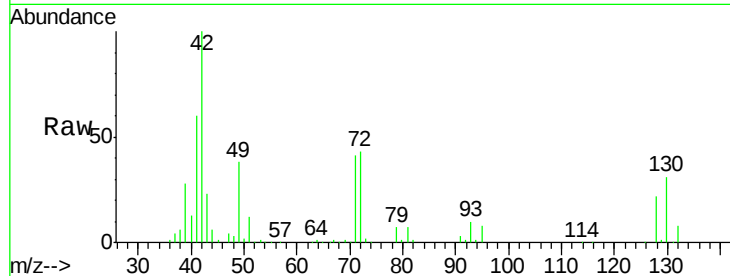
#29  
Tetrahydrofuran  
Concen: 238.269 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. -0.00 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 41.8  | 33.6  | 50.4  |
| 71      | 39.6  | 32.1  | 48.1  |

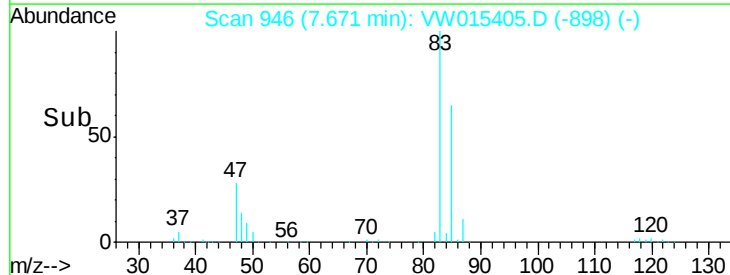
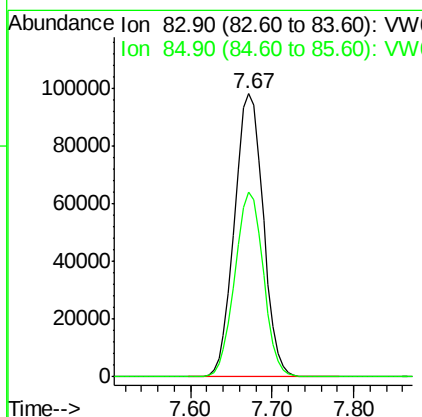
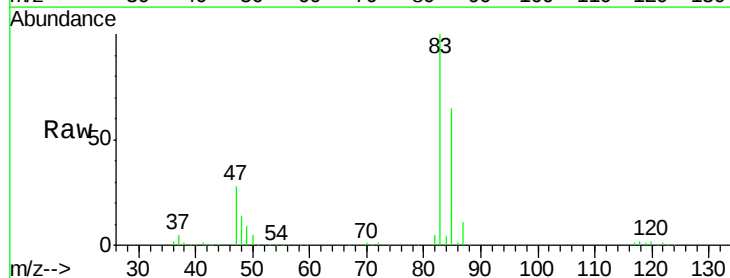
Manual Integrations  
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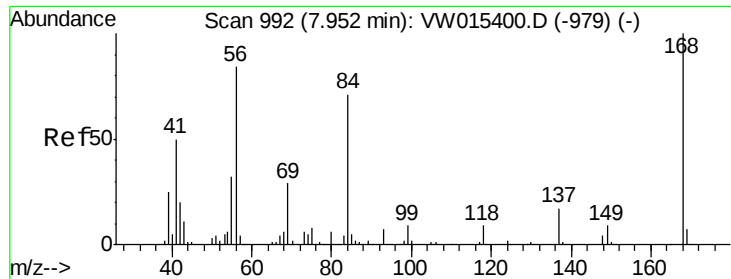
MMDadoda  
5/7/2020 10:34:47 AM



#30  
Chloroform  
Concen: 49.863 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. -0.01 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.1  | 51.8  | 77.6  |





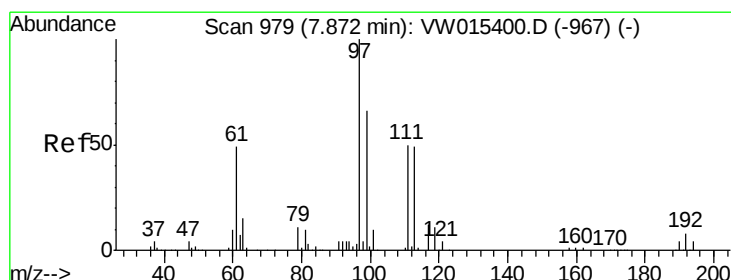
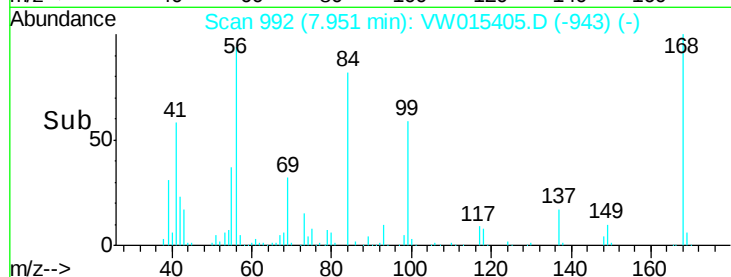
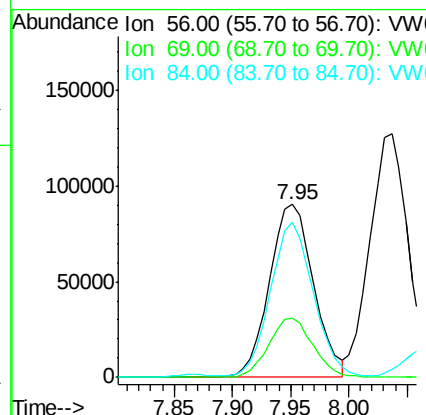
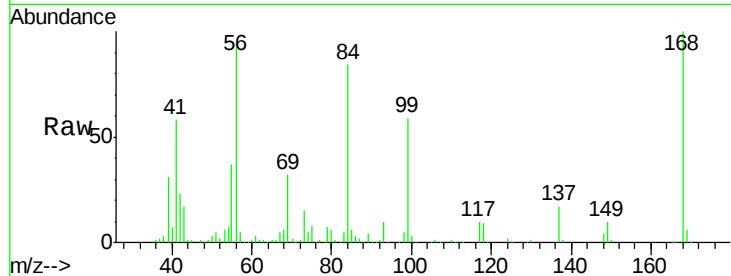
#31  
Cyclohexane  
Concen: 48.246 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. -0.00 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 34.6  | 27.2  | 40.8  |
| 84      | 87.9  | 67.7  | 101.5 |

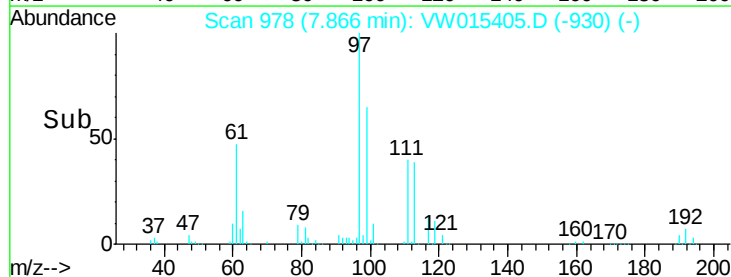
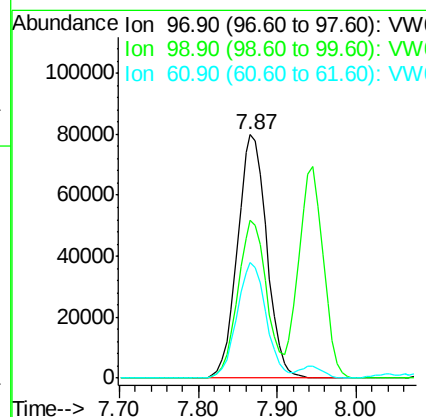
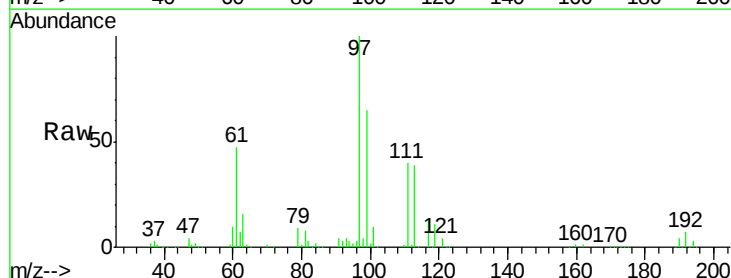
Manual Integrations  
APPROVED

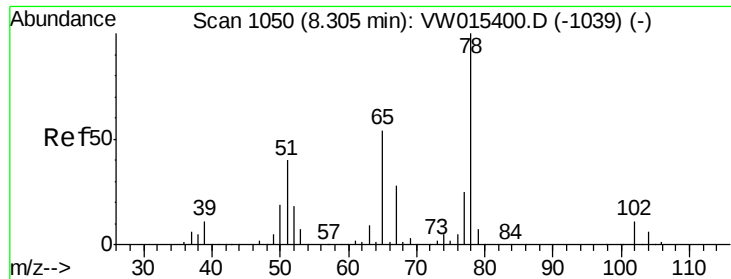
MMDadoda  
5/7/2020 10:34:47 AM



#32  
1,1,1-Trichloroethane  
Concen: 51.036 ug/l  
RT: 7.87 min Scan# 978  
Delta R.T. -0.01 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.5  | 50.7  | 76.1  |
| 61      | 47.5  | 38.0  | 57.0  |





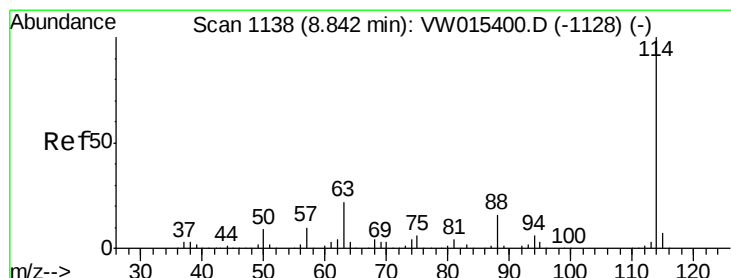
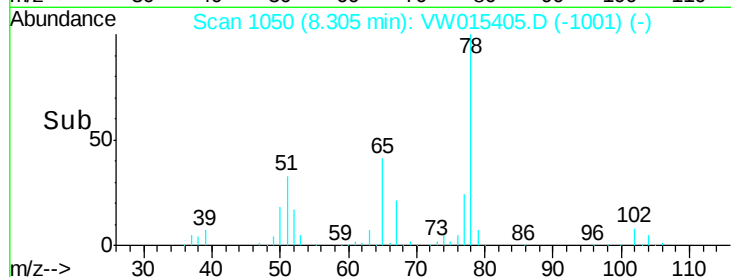
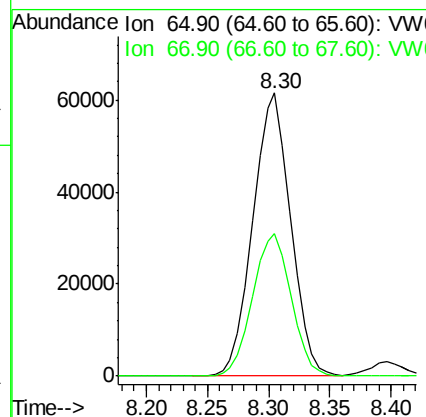
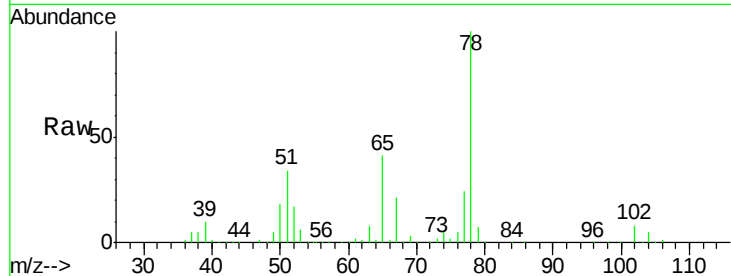
#33  
 1,2-Dichloroethane-d4  
 Concen: 49.432 ug/l  
 RT: 8.30 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW015405.D  
 Acq: 06 May 2020 09:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 132296 |       |       |
| 67      | 51.4  | 0.0    | 102.8 |       |

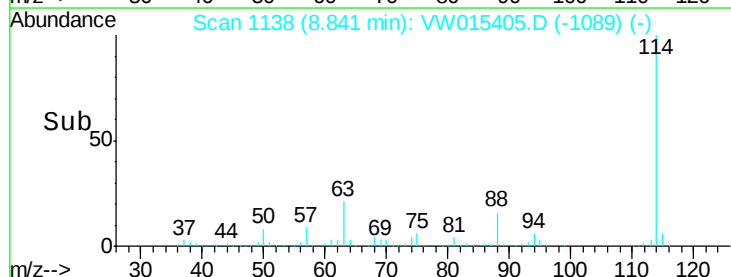
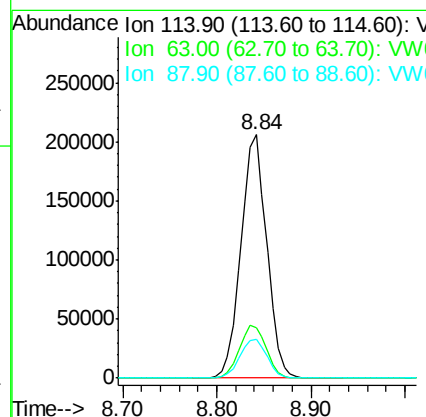
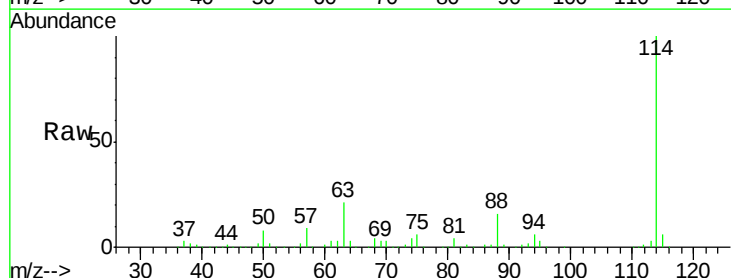
Manual Integrations  
 APPROVED

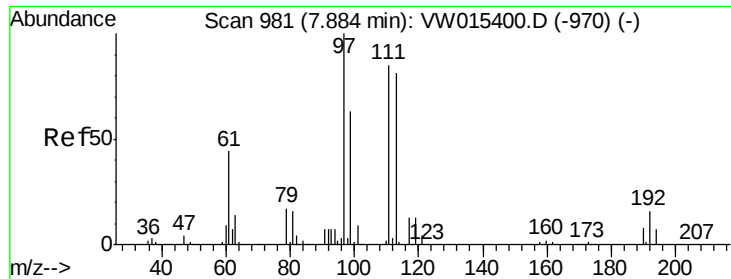
MMDadoda  
 5/7/2020 10:34:47 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW015405.D  
 Acq: 06 May 2020 09:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 393207 |       |       |
| 63      | 20.9  | 0.0    | 43.4  |       |
| 88      | 15.9  | 0.0    | 31.8  |       |





#35

Dibromofluoromethane

Concen: 51.457 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA\_W

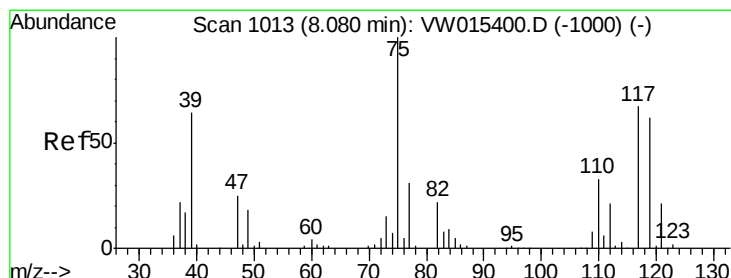
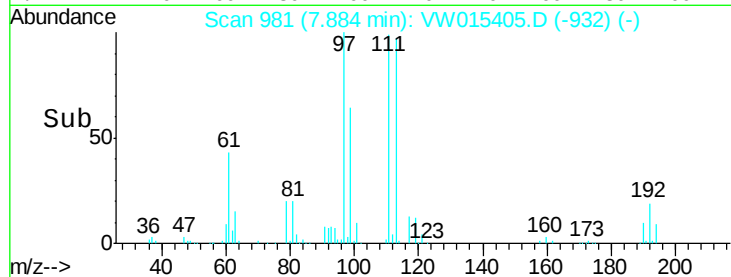
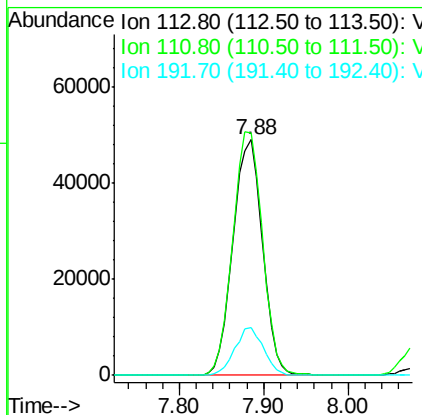
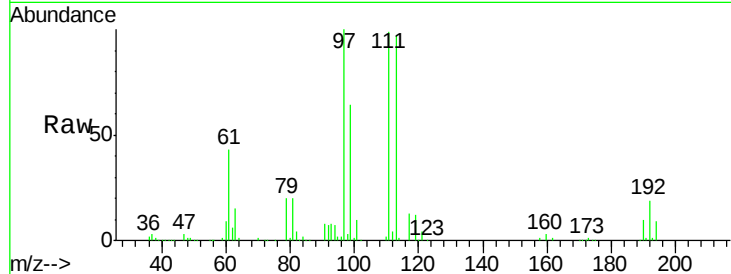
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 116130 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 104.0 | 82.9  | 124.3  |
| 192       | 19.6  | 15.4  | 23.0   |

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5/7/2020 10:34:47 AM



#36

1,1-Dichloropropene

Concen: 52.438 ug/l

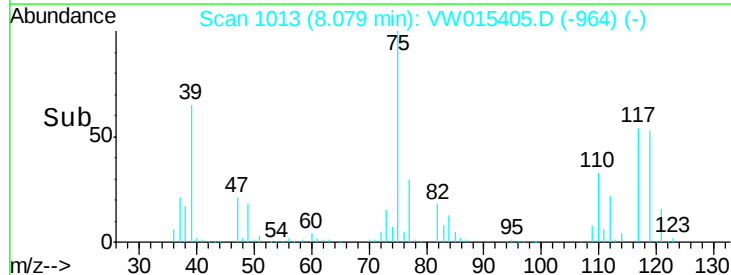
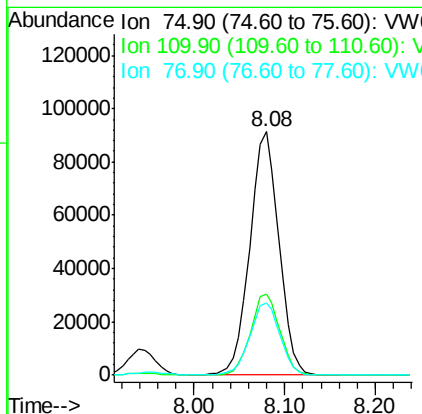
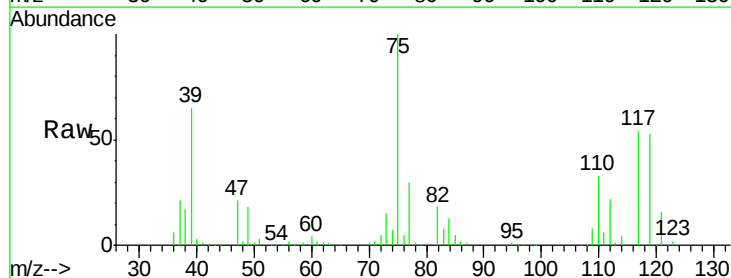
RT: 8.08 min Scan# 1013

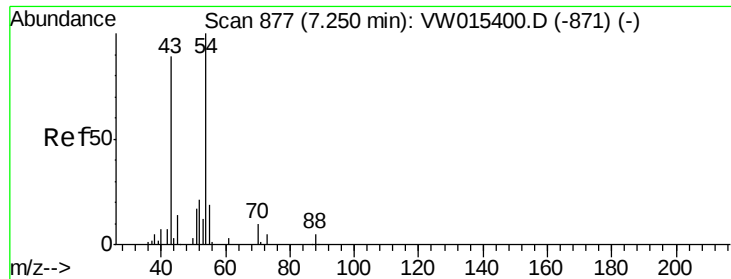
Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 202579 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 33.4  | 16.6  | 49.8   |
| 77        | 30.8  | 24.5  | 36.7   |





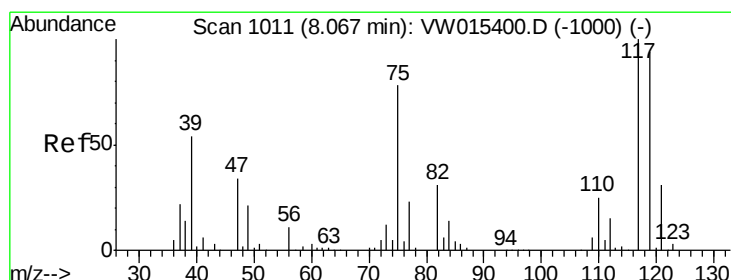
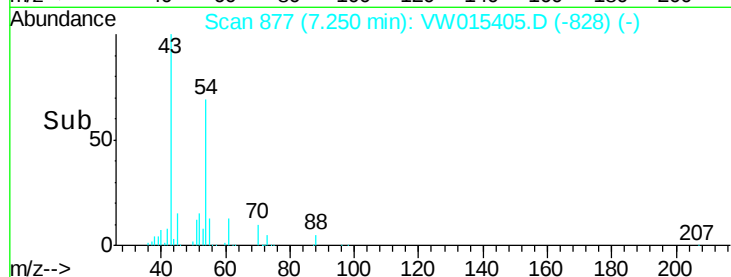
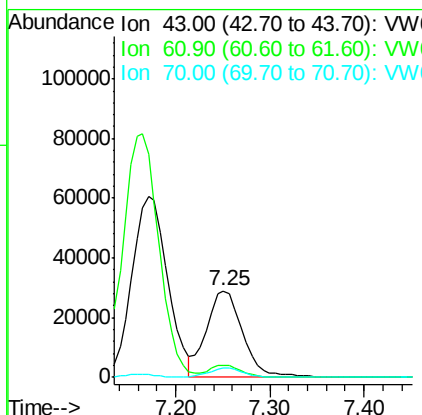
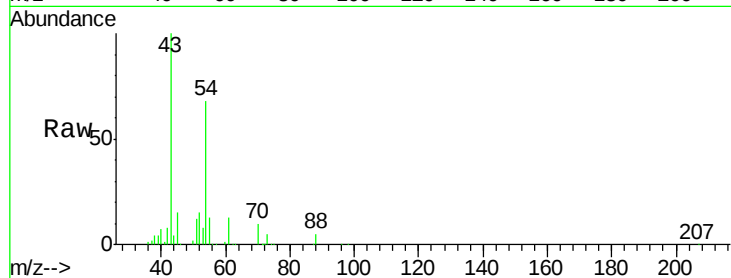
#37  
Ethyl Acetate  
Concen: 51.114 ug/l  
RT: 7.25 min Scan# 877  
Delta R.T. -0.00 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.4  | 10.2  | 15.2  |
| 70      | 10.0  | 8.0   | 12.0  |

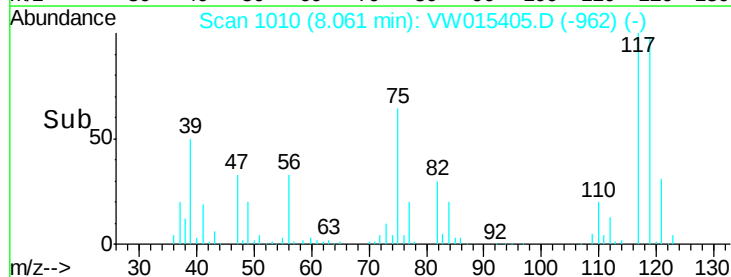
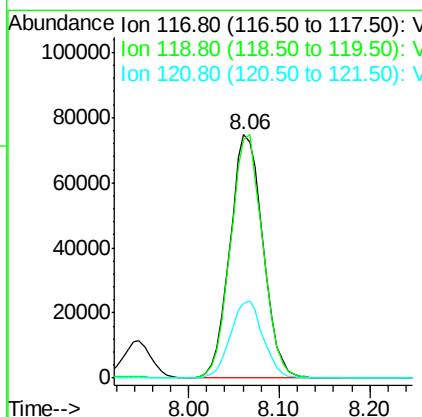
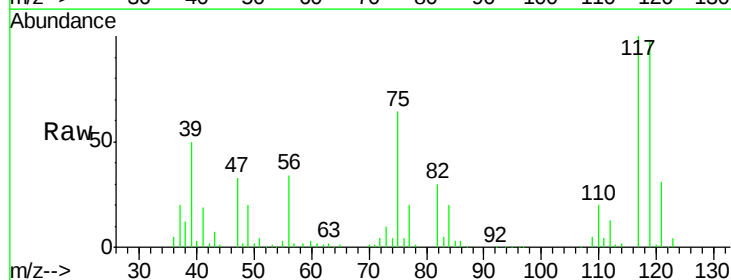
Manual Integrations  
APPROVED

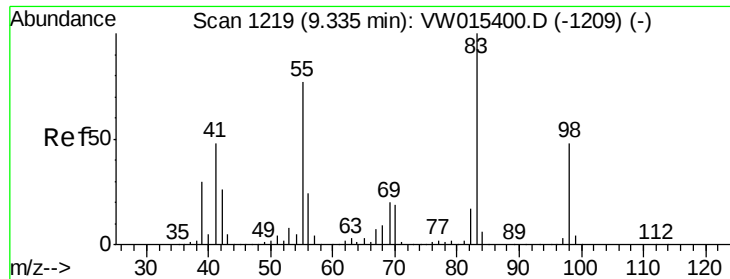
MMDadoda  
5/7/2020 10:34:47 AM



#38  
Carbon Tetrachloride  
Concen: 52.228 ug/l  
RT: 8.06 min Scan# 1010  
Delta R.T. -0.01 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.8  | 75.4  | 113.0 |
| 121     | 30.9  | 24.8  | 37.2  |





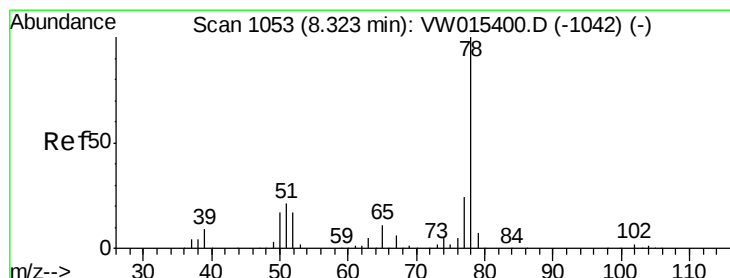
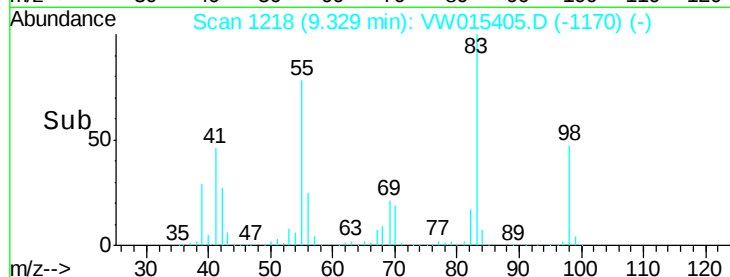
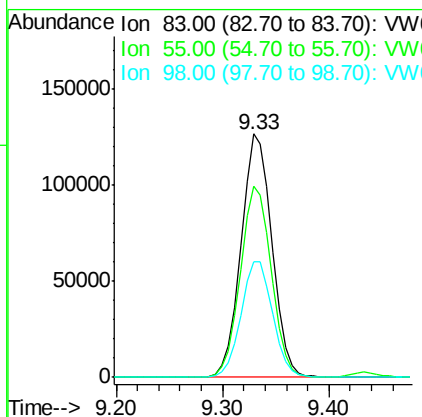
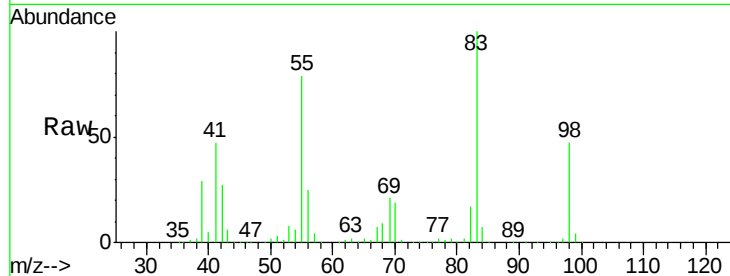
#39  
Methvlcvclohexane  
Concen: 52.774 ug/l  
RT: 9.33 min Scan# 1219  
Delta R.T. -0.01 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 78.5  | 61.9  | 92.9  |
| 98      | 47.3  | 38.2  | 57.2  |

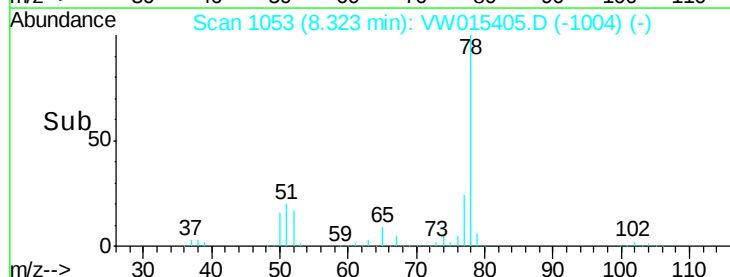
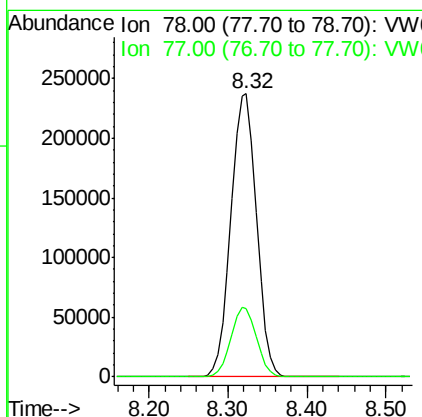
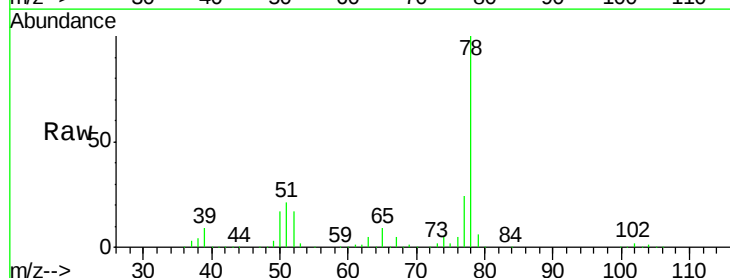
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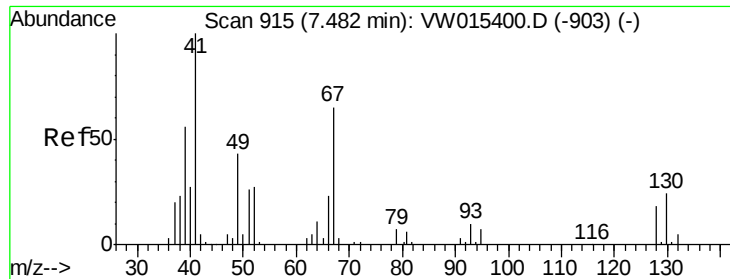
MMDadoda  
5/7/2020 10:34:47 AM



#40  
Benzene  
Concen: 50.927 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. -0.00 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.3  | 19.0  | 28.4  |





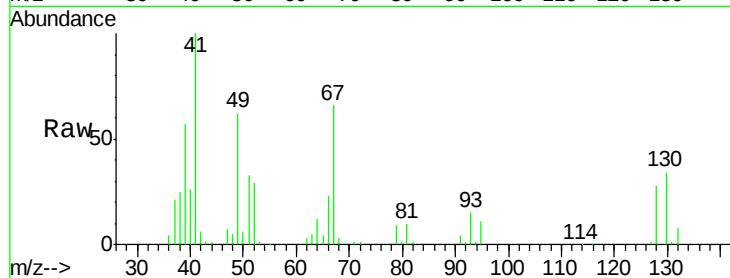
#41  
Methacrylonitrile  
Concen: 46.900 ug/l  
RT: 7.48 min Scan# 915  
Delta R.T. -0.00 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

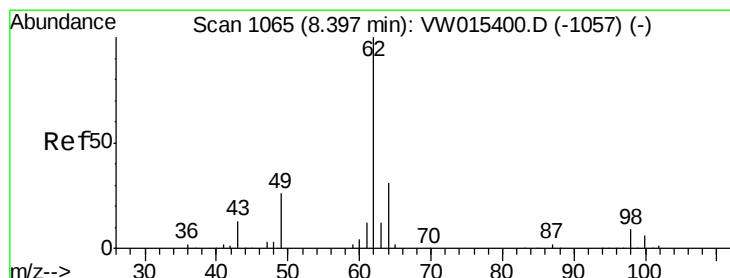
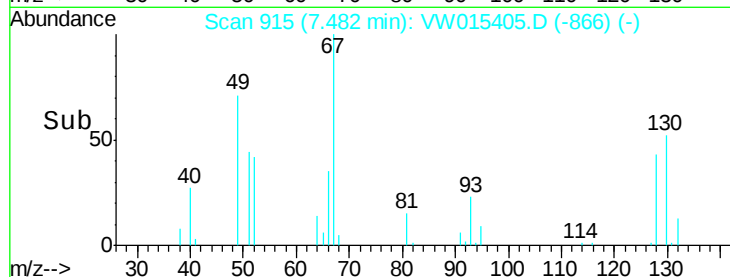
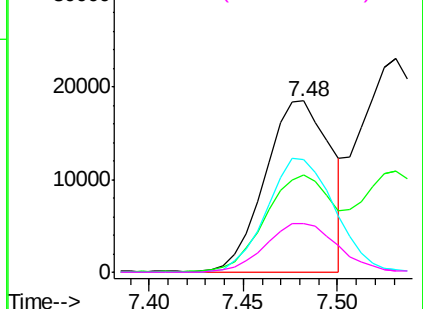
| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 41      | 41  | 100   |       |       |
| 39      | 39  | 56.6  | 46.2  | 69.4  |
| 67      | 67  | 69.7  | 56.2  | 84.2  |
| 52      | 52  | 31.9  | 25.0  | 37.6  |

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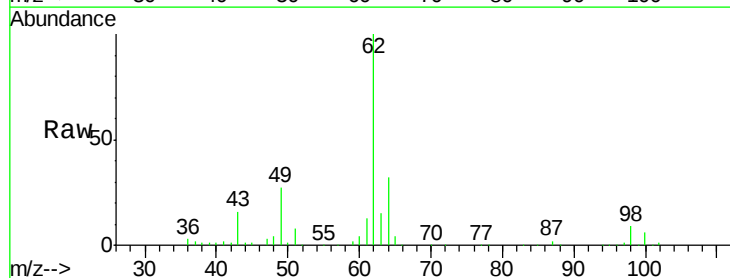


Abundance Ion 41.00 (40.70 to 41.70): VW  
Ion 39.00 (38.70 to 39.70): VW  
Ion 67.00 (66.70 to 67.70): VW  
Ion 52.00 (51.70 to 52.70): VW

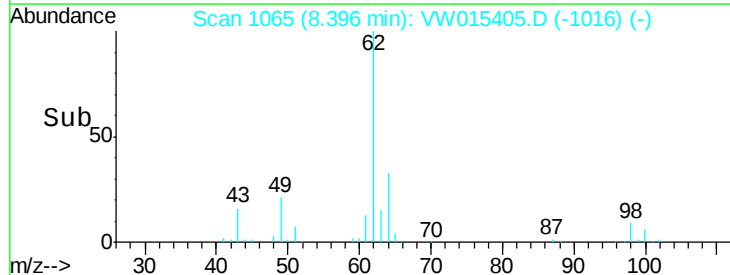
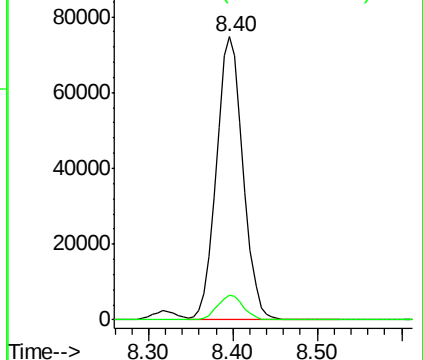


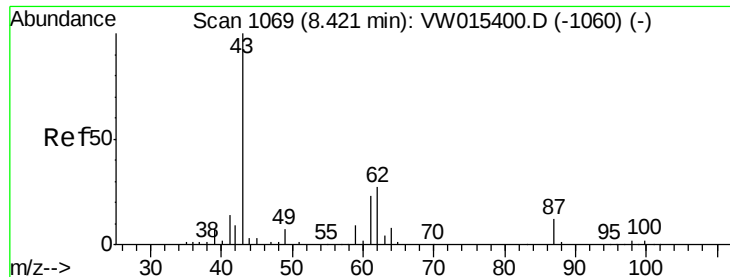
#42  
1,2-Dichloroethane  
Concen: 50.566 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. -0.00 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 62  | 100   |       |       |
| 98      | 98  | 8.6   | 0.0   | 17.6  |



Abundance Ion 61.90 (61.60 to 62.60): VW  
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 49.805 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA\_W

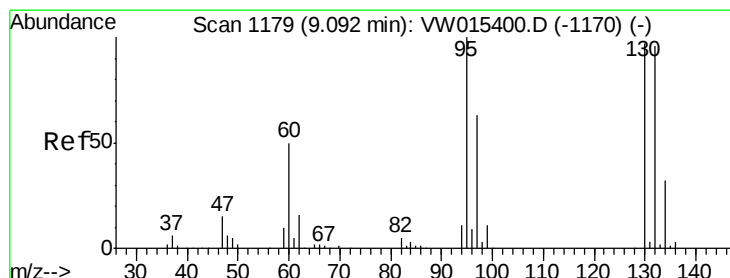
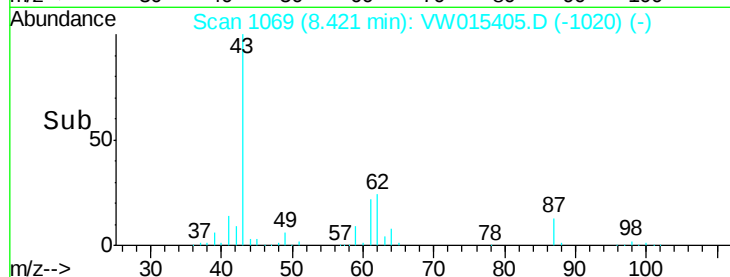
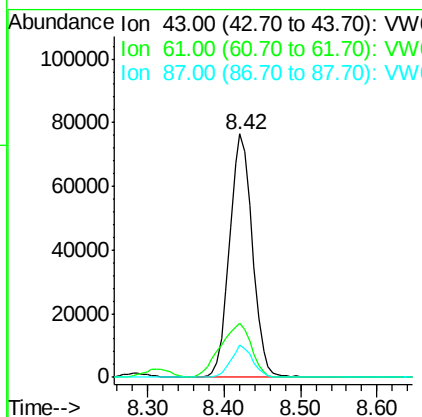
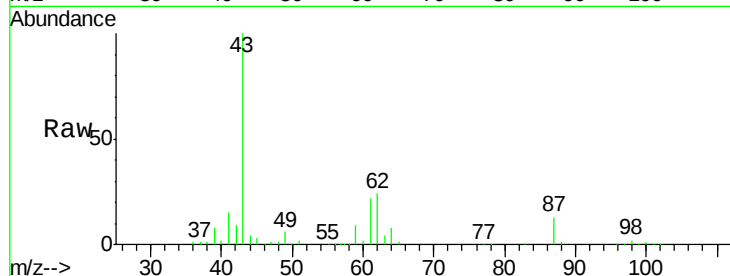
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 157010 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 30.2  | 24.3  | 36.5   |
| 87       | 12.6  | 10.1  | 15.1   |

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#44

Trichloroethene

Concen: 52.204 ug/l

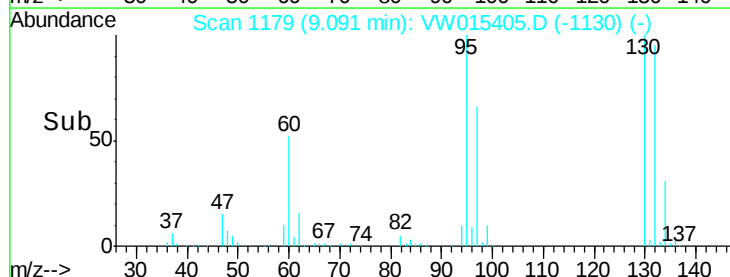
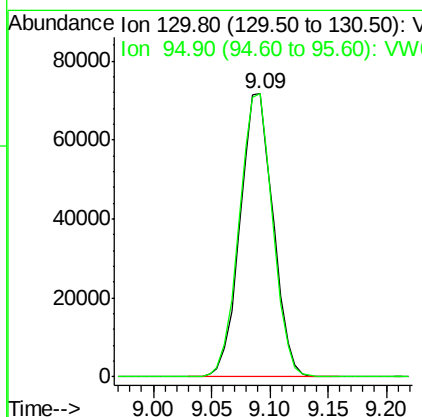
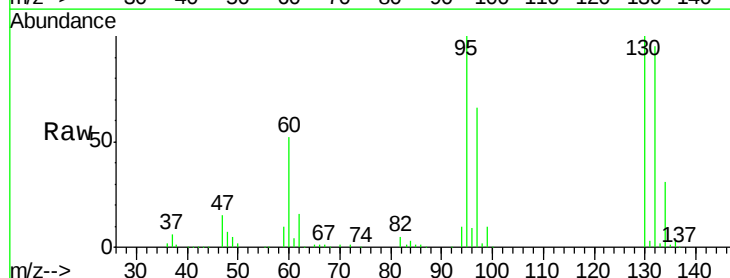
RT: 9.09 min Scan# 1179

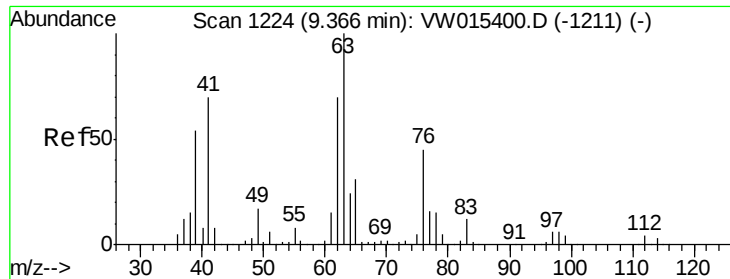
Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 142561 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 100.0 | 0.0   | 205.8  |





#45

1,2-Dichloropropane

Concen: 51.136 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 133097

Ion Ratio Lower Upper

63 100

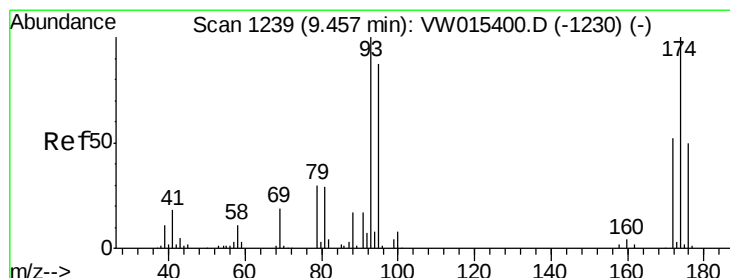
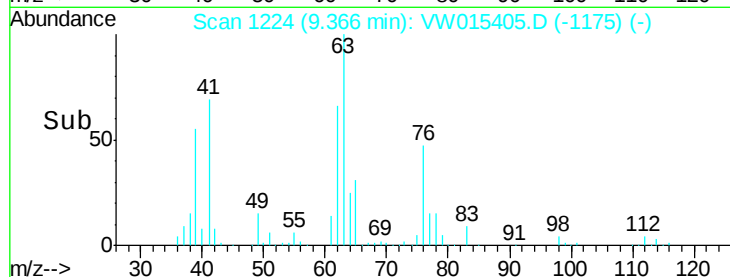
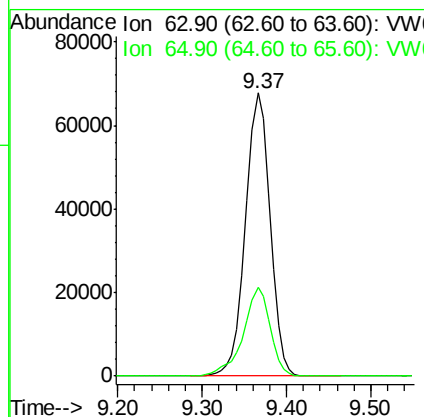
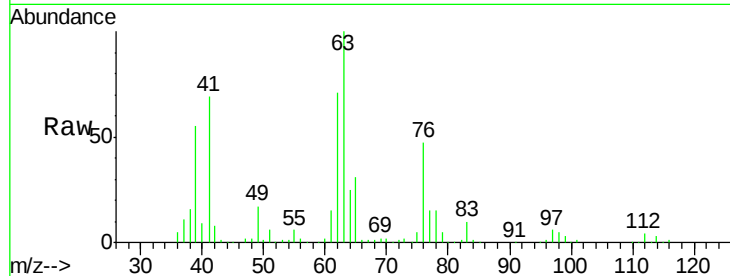
65 31.3 25.0 37.6

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#46

Dibromomethane

Concen: 50.075 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

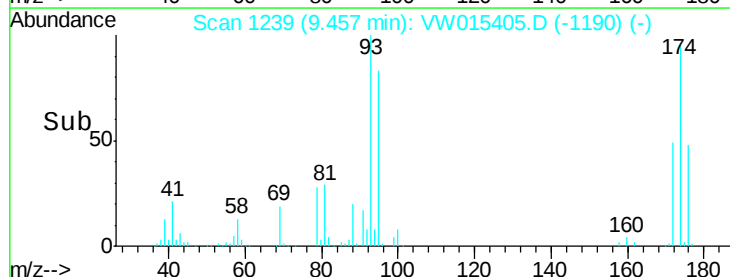
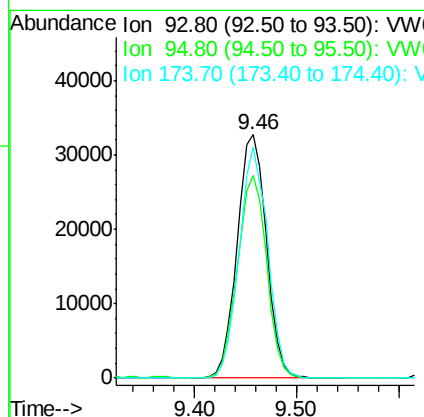
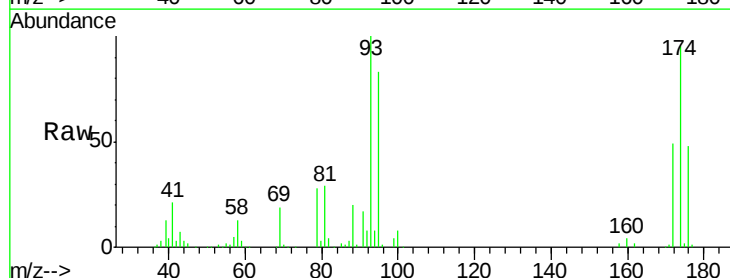
Tgt Ion: 93 Resp: 64825

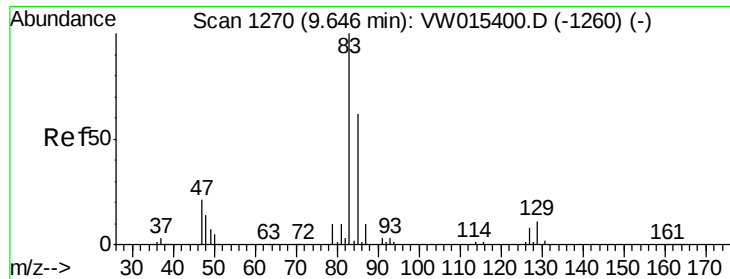
Ion Ratio Lower Upper

93 100

95 83.2 67.0 100.4

174 92.8 78.4 117.6





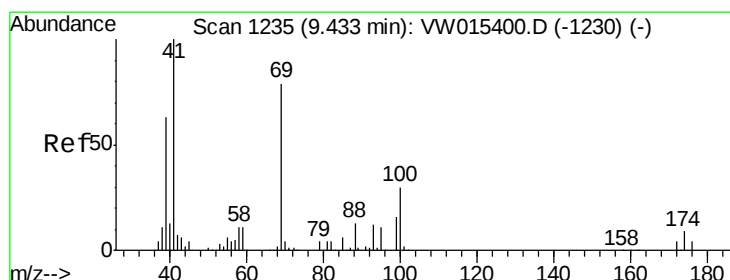
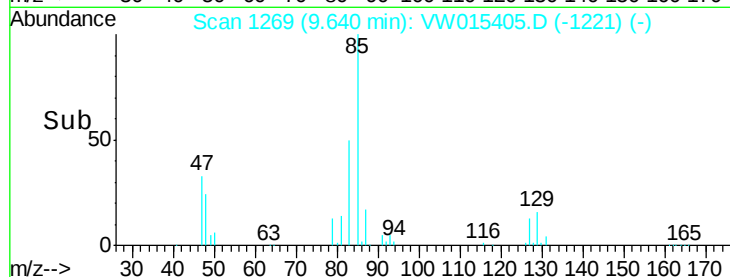
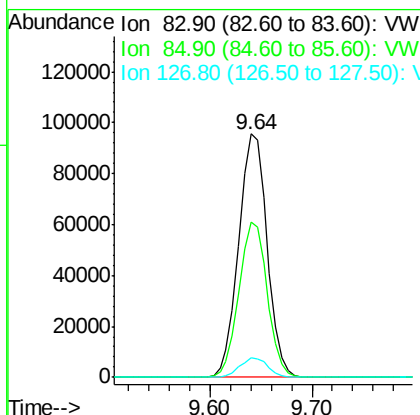
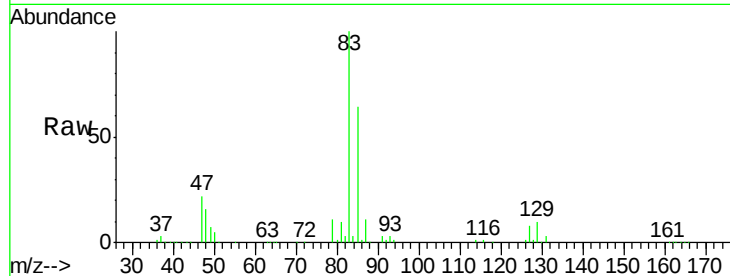
#47  
Bromodichloromethane  
Concen: 52.270 ug/l  
RT: 9.64 min Scan# 1269  
Delta R.T. -0.01 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 184413 |       |       |
| 85      | 63.8  | 49.4   | 74.0  |       |
| 127     | 8.1   | 6.4    | 9.6   |       |

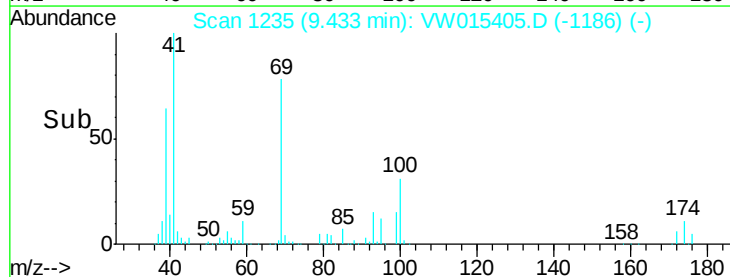
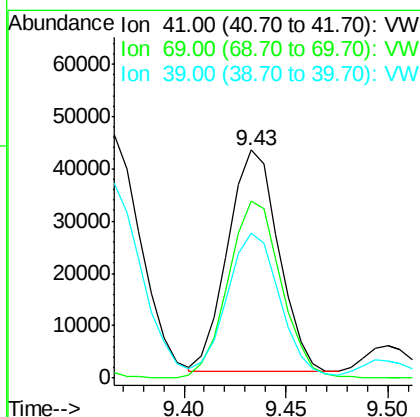
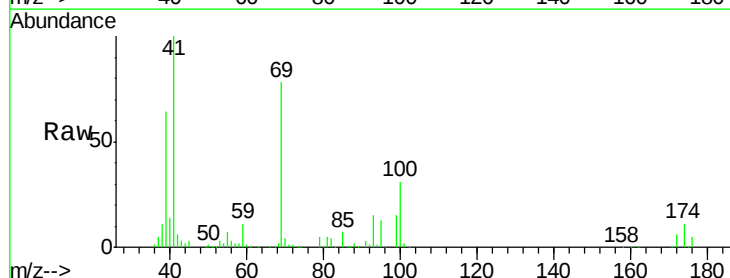
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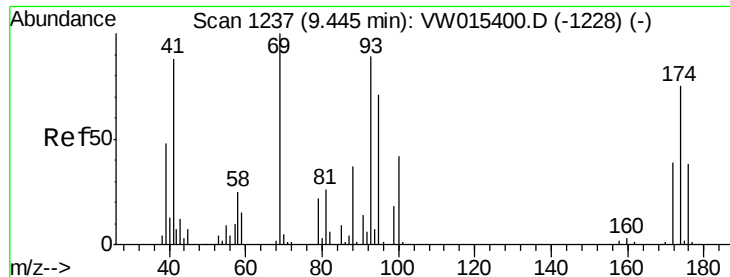
MMDadoda  
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#48  
Methyl methacrylate  
Concen: 50.558 ug/l  
RT: 9.43 min Scan# 1235  
Delta R.T. -0.00 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 41      | 100   | 73622 |       |       |
| 69      | 83.7  | 66.2  | 99.4  |       |
| 39      | 64.5  | 51.1  | 76.7  |       |





#49

1,4-Dioxane

Concen: 966.949 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA\_W

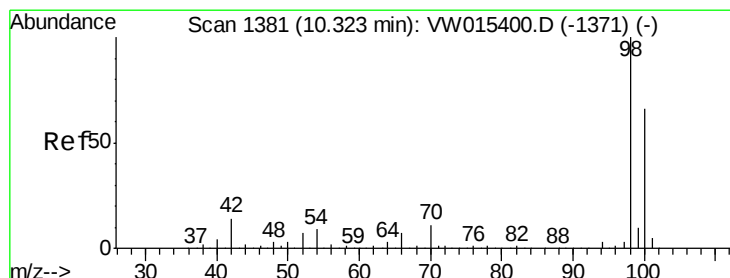
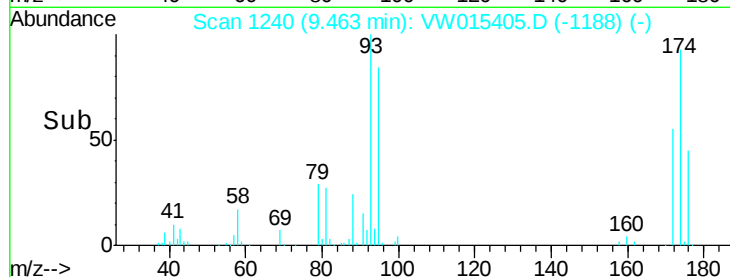
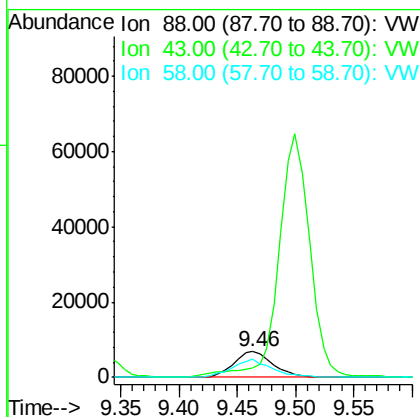
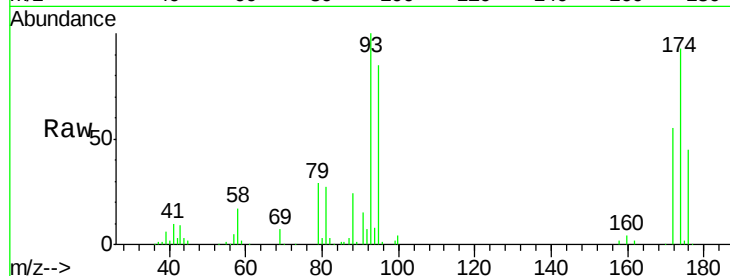
ClientSampleId :

VSTDCCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 88    | Resp: | 15753 |
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 43        | 0.0   | 30.6  | 45.8# |
| 58        | 74.4  | 56.3  | 84.5  |

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#50

Toluene-d8

Concen: 52.187 ug/l

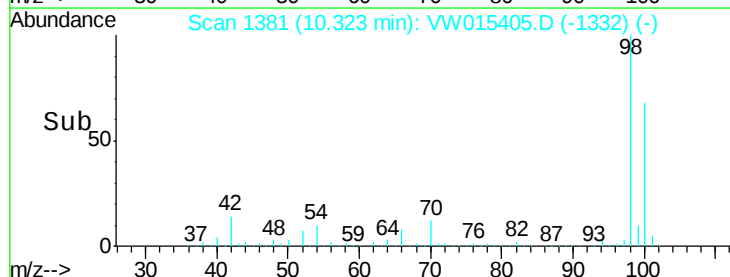
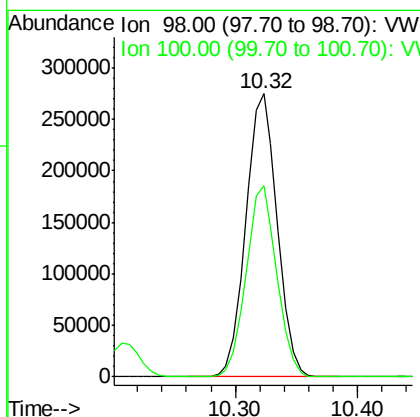
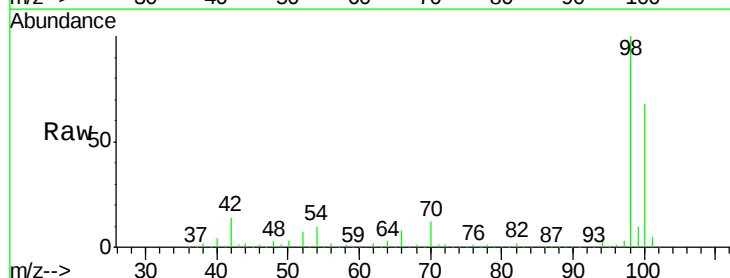
RT: 10.32 min Scan# 1381

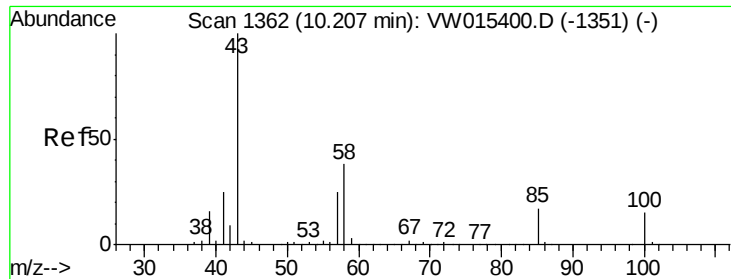
Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 98    | Resp: | 487409 |
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 66.3  | 52.7  | 79.1   |





#51

4-Methyl-2-Pentanone

Concen: 249.101 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 368028

Ion Ratio Lower Upper

43 100

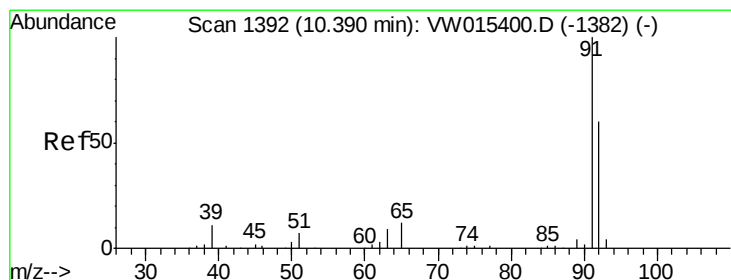
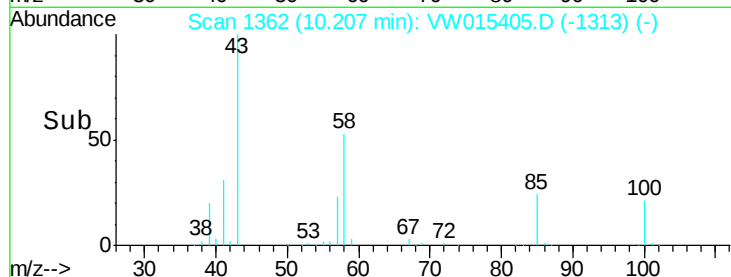
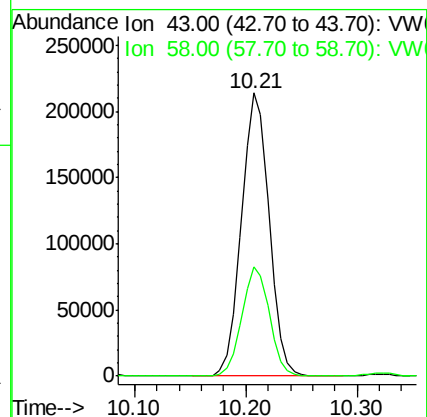
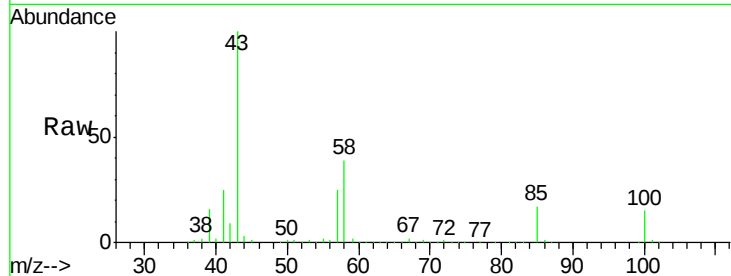
58 38.4 30.8 46.2

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#52

Toluene

Concen: 51.363 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015405.D

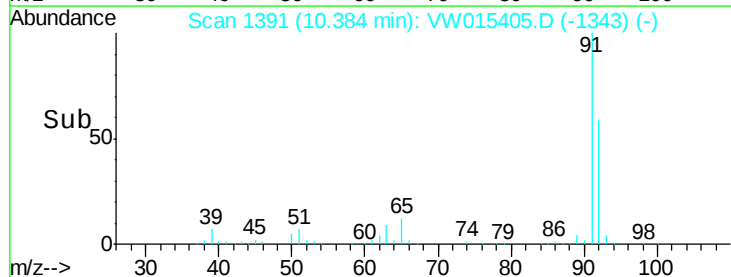
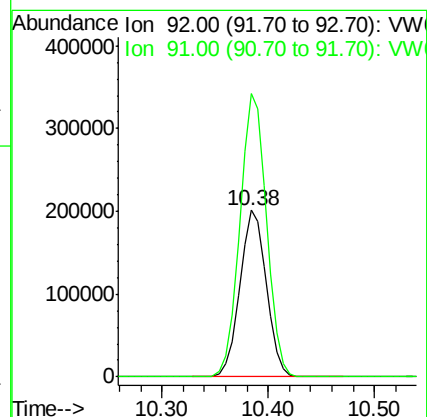
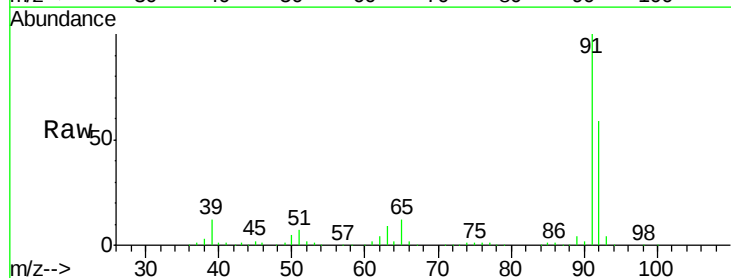
Acq: 06 May 2020 09:45

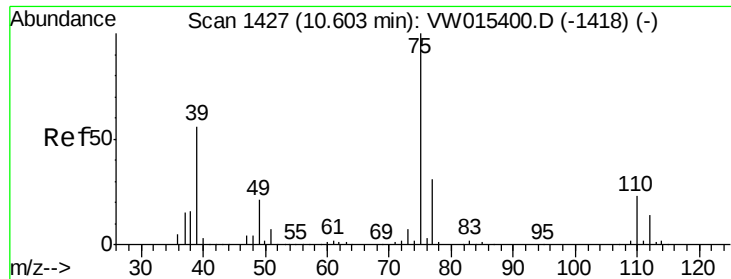
Tgt Ion: 92 Resp: 351680

Ion Ratio Lower Upper

92 100

91 170.8 135.9 203.9





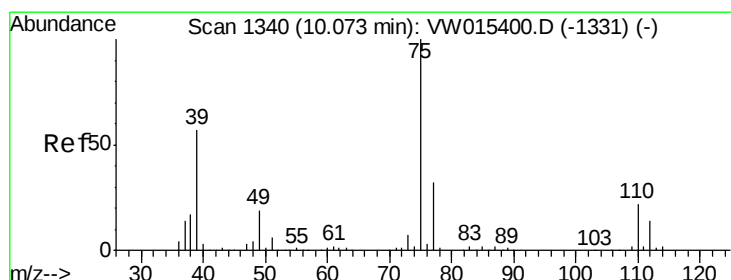
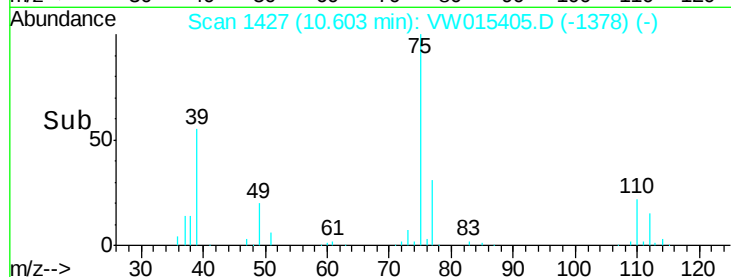
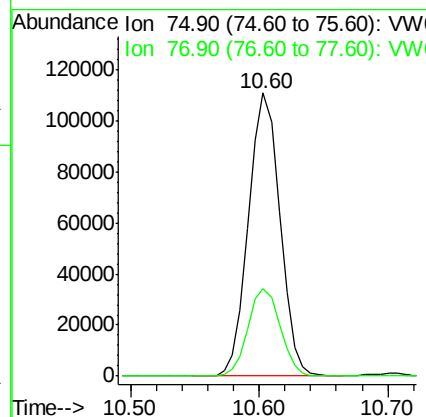
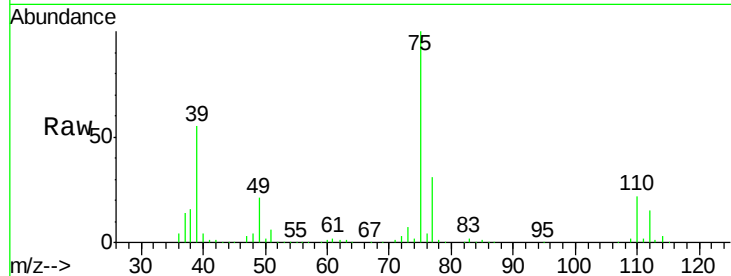
#53  
 t-1,3-Dichloropropene  
 Concen: 51.967 ug/l  
 RT: 10.60 min Scan# 1427  
 Delta R.T. -0.00 min  
 Lab File: VW015405.D  
 Acq: 06 May 2020 09:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 75 Resp: 187143  
 Ion Ratio Lower Upper  
 75 100  
 77 30.9 24.9 37.3

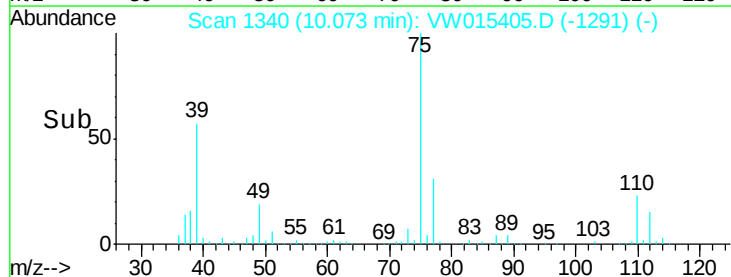
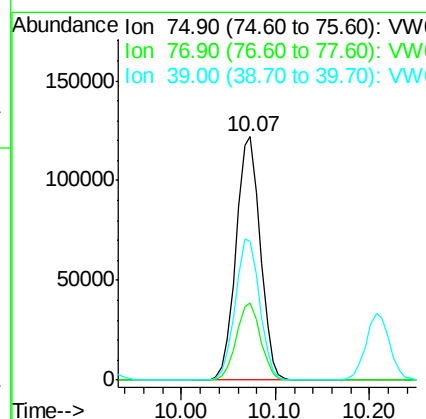
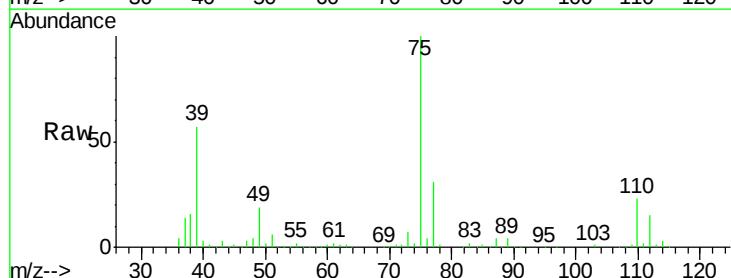
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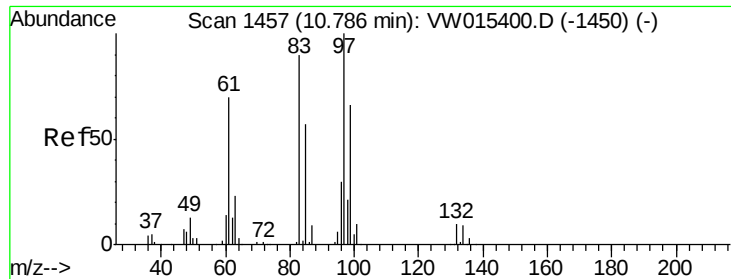
MMDadoda  
 5/7/2020 10:34:47 AM



#54  
 cis-1,3-Dichloropropene  
 Concen: 51.471 ug/l  
 RT: 10.07 min Scan# 1340  
 Delta R.T. -0.00 min  
 Lab File: VW015405.D  
 Acq: 06 May 2020 09:45

Tgt Ion: 75 Resp: 218246  
 Ion Ratio Lower Upper  
 75 100  
 77 31.5 25.6 38.4  
 39 56.7 45.6 68.4





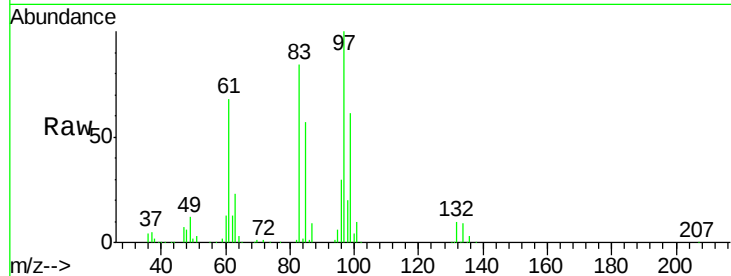
#55  
 1,1,2-Trichloroethane  
 Concen: 49.487 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. -0.00 min  
 Lab File: VW015405.D  
 Acq: 06 May 2020 09:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

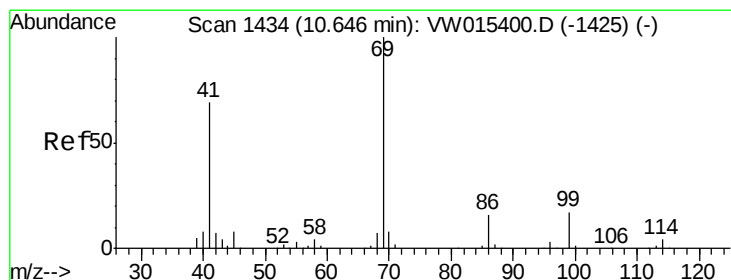
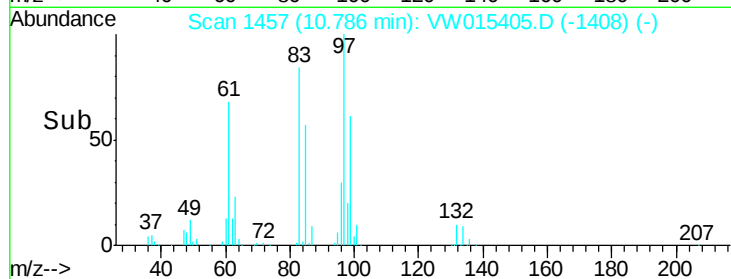
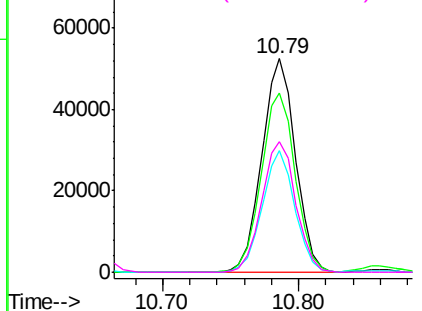
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 90592 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 84.2  | 72.2  | 108.4 |
| 85       | 56.8  | 45.2  | 67.8  |
| 99       | 61.2  | 52.6  | 78.8  |

Manual Integrations  
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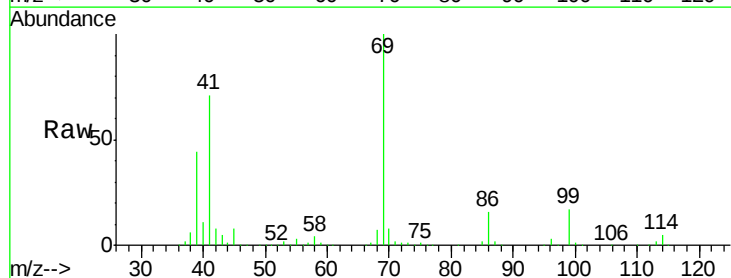


Abundance Ion 96.90 (96.60 to 97.60): VW  
 Ion 82.90 (82.60 to 83.60): VW  
 Ion 84.90 (84.60 to 85.60): VW  
 Ion 98.90 (98.60 to 99.60): VW

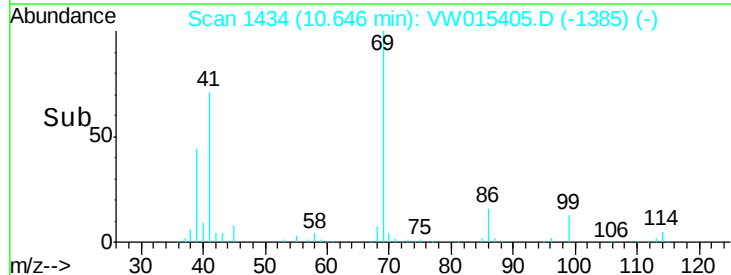
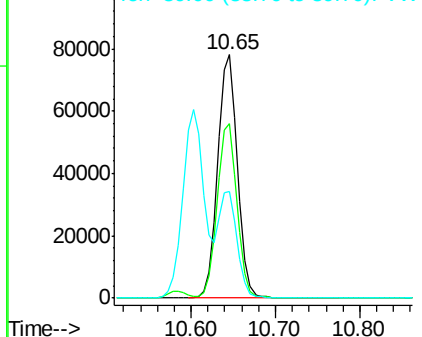


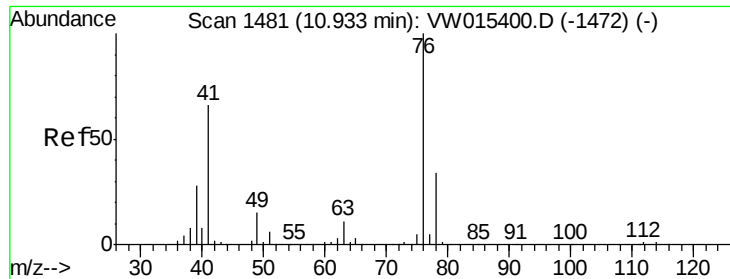
#56  
 Ethyl methacrylate  
 Concen: 50.215 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. -0.00 min  
 Lab File: VW015405.D  
 Acq: 06 May 2020 09:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 126303 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 71.8  | 55.3  | 82.9   |
| 39       | 40.0  | 31.9  | 47.9   |



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: 50.101 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA\_W

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 164903

Ion Ratio Lower Upper

76 100

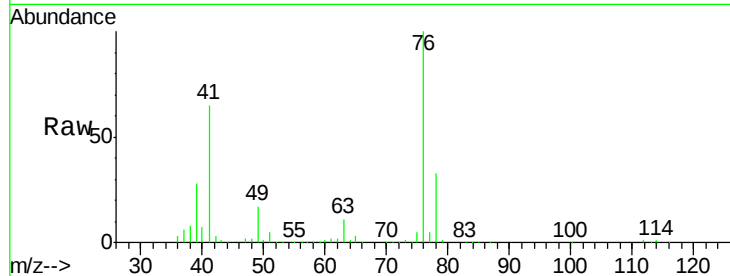
78 32.1 26.3 39.5

Manual Integrations

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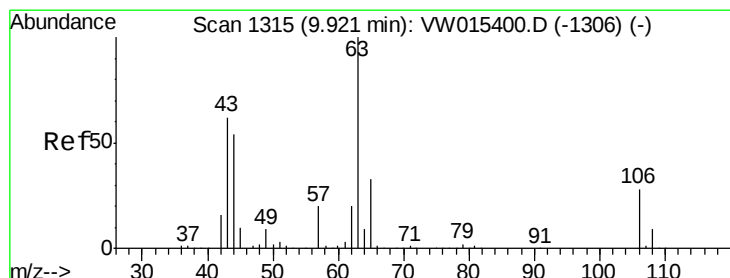
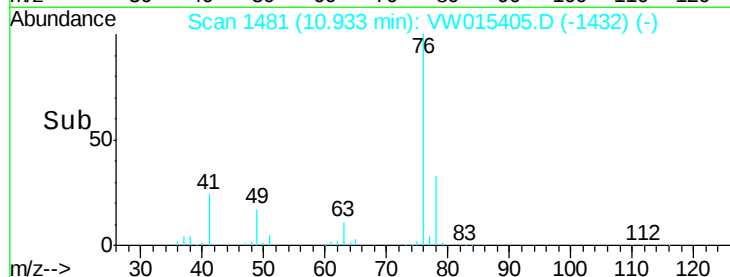
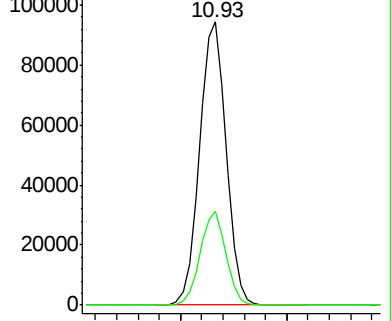
MMDadoda

5/7/2020 10:34:47 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 248.087 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW015405.D

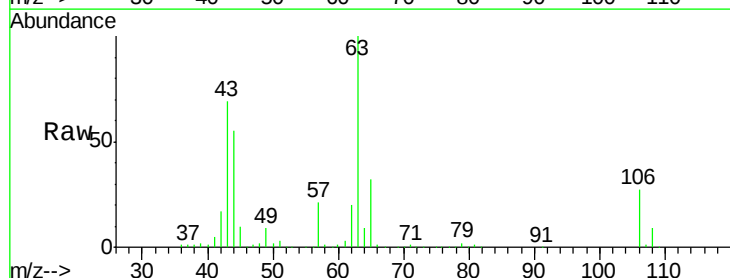
Acq: 06 May 2020 09:45

Tgt Ion: 63 Resp: 303574

Ion Ratio Lower Upper

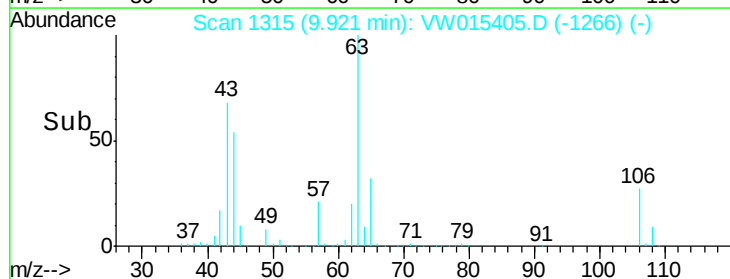
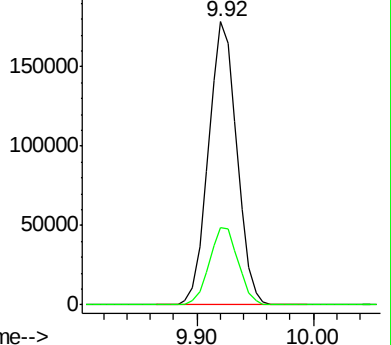
63 100

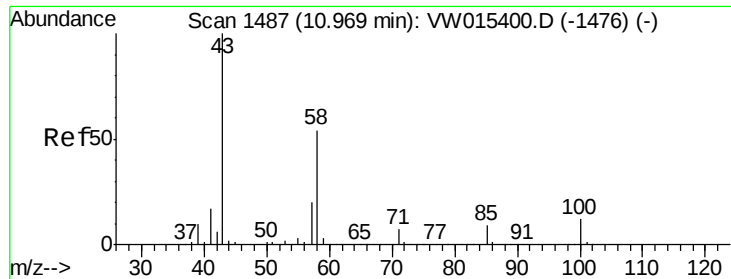
106 28.1 22.6 33.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





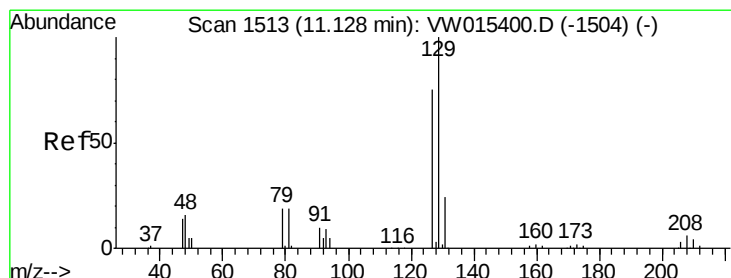
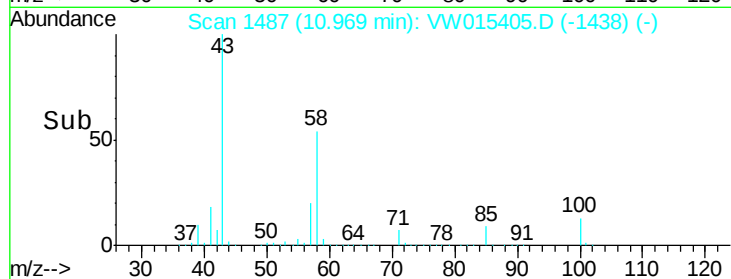
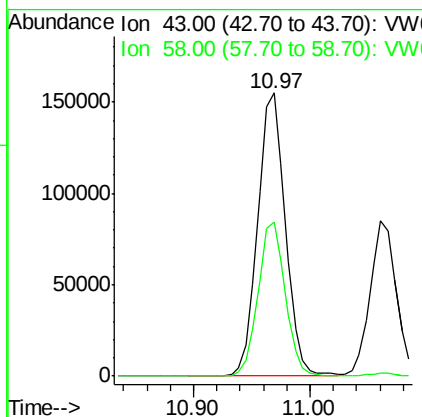
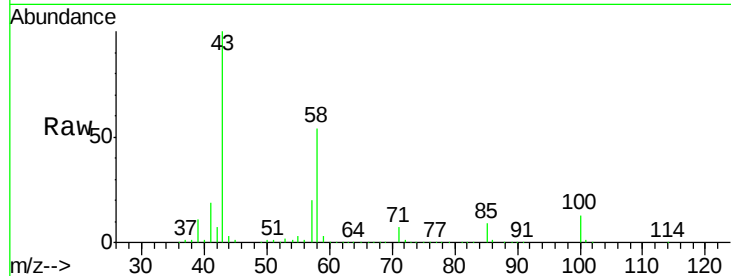
#59  
2-Hexanone  
Concen: 255.652 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 255568  
Ion Ratio Lower Upper  
43 100  
58 53.5 26.7 80.0

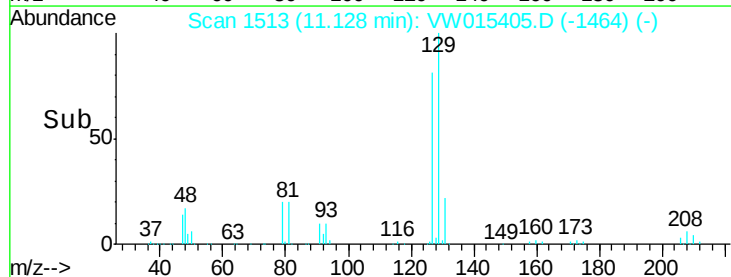
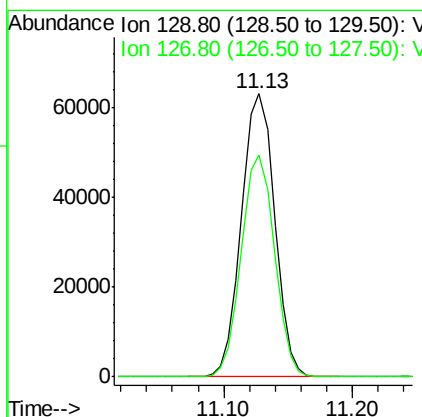
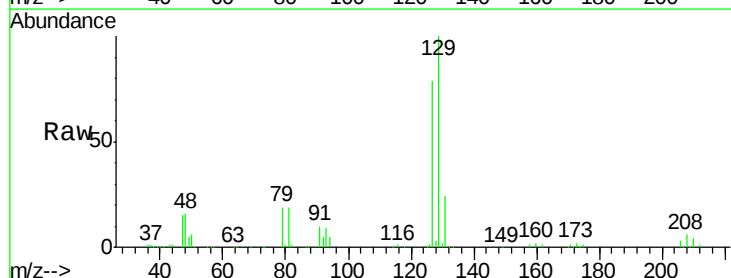
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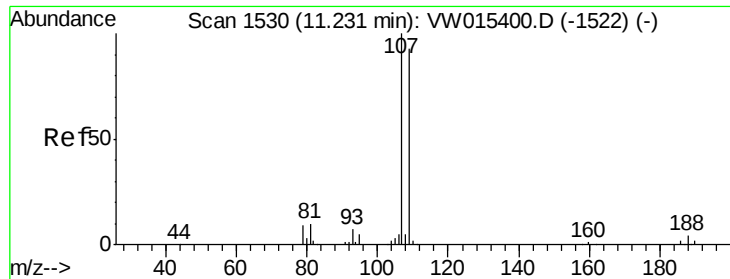
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 51.281 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

Tgt Ion: 129 Resp: 112904  
Ion Ratio Lower Upper  
129 100  
127 78.2 39.1 117.2





#61

1,2-Dibromoethane

Concen: 50.701 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 87882

Ion Ratio Lower Upper

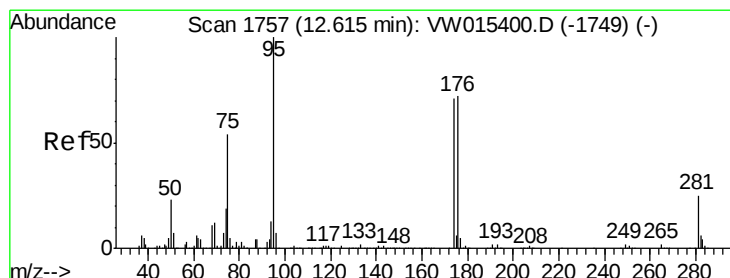
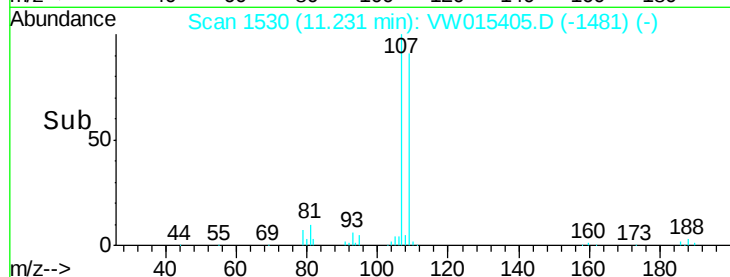
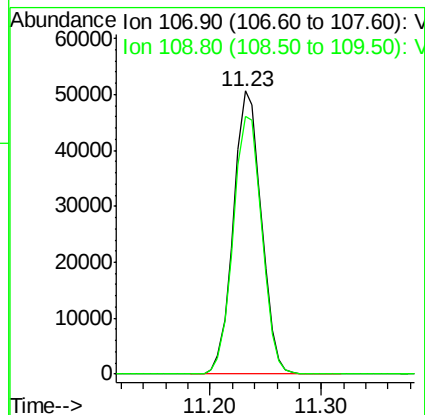
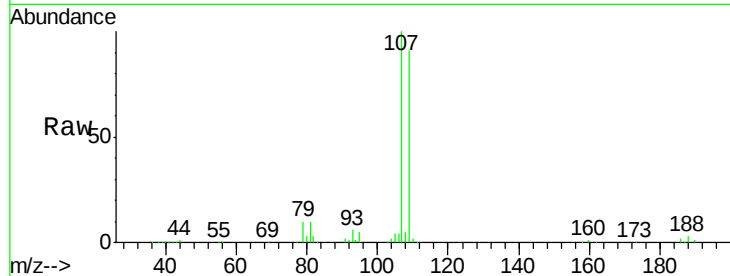
107 100

109 93.5 75.0 112.4

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#62

4-Bromofluorobenzene

Concen: 51.284 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

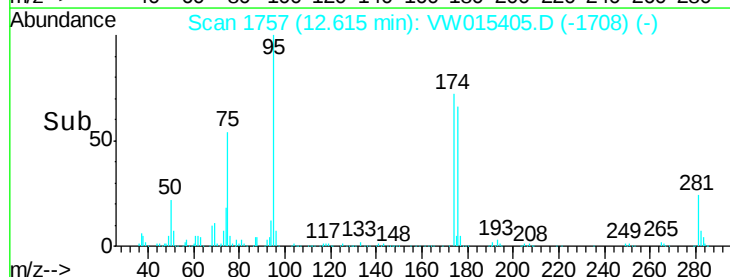
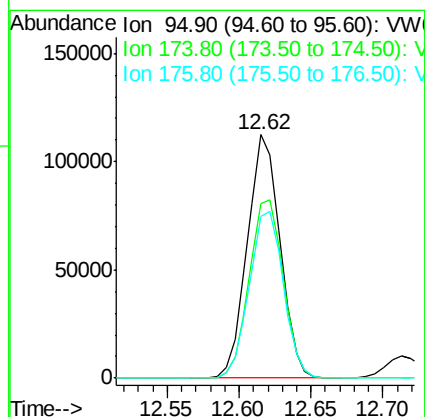
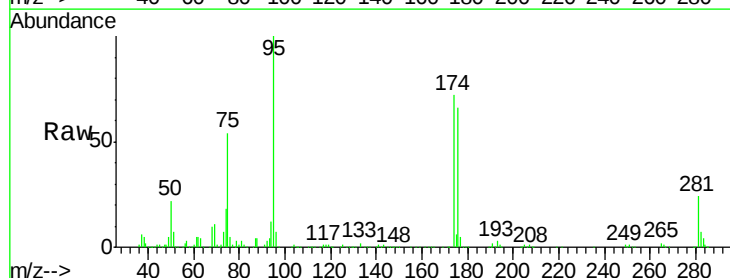
Tgt Ion: 95 Resp: 176865

Ion Ratio Lower Upper

95 100

174 76.2 0.0 147.6

176 71.2 0.0 144.4





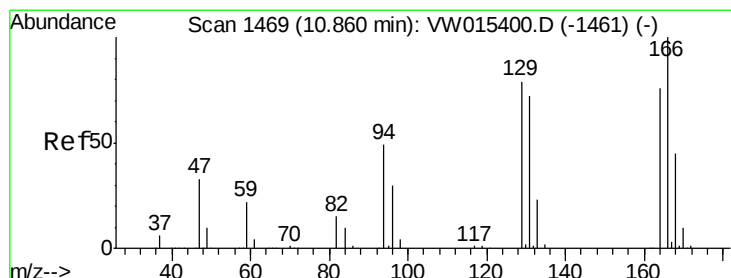
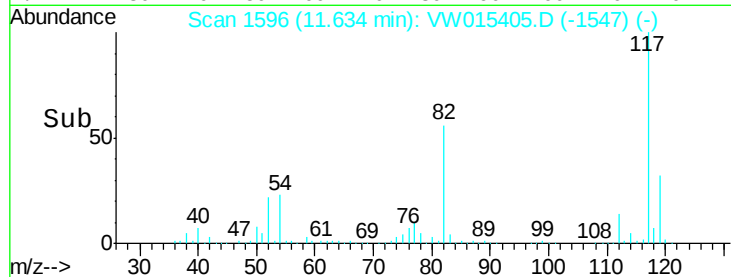
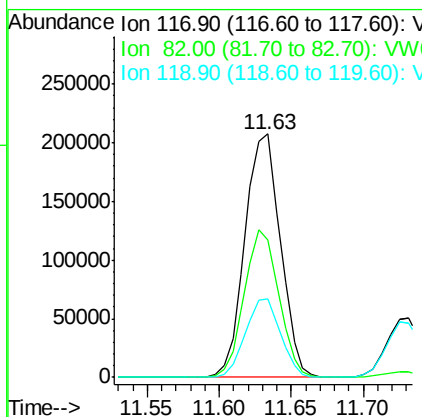
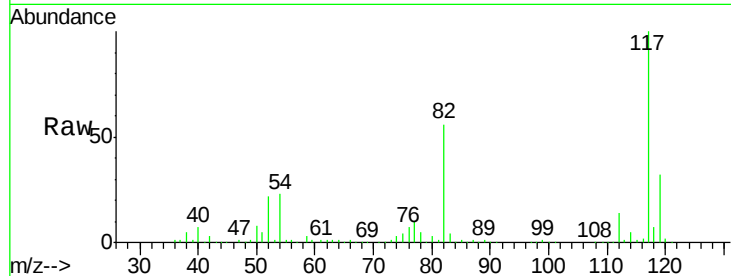
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.2  | 46.4  | 69.6  |
| 119     | 32.0  | 24.6  | 37.0  |

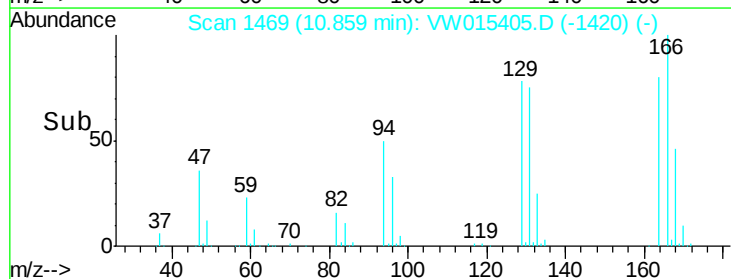
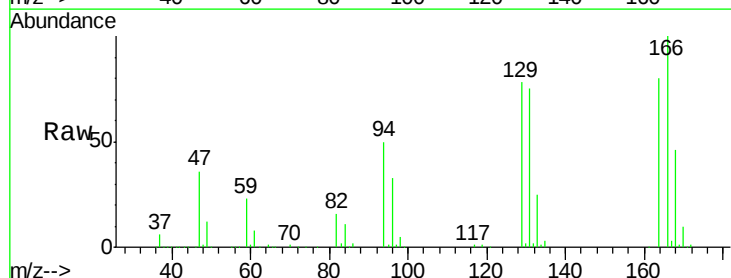
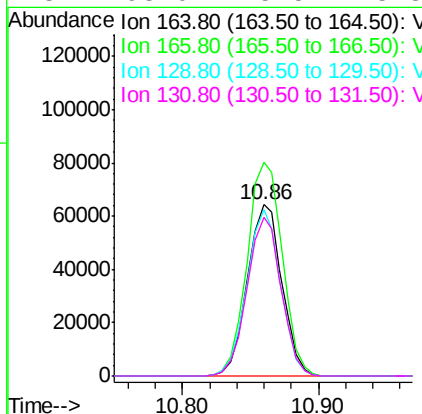
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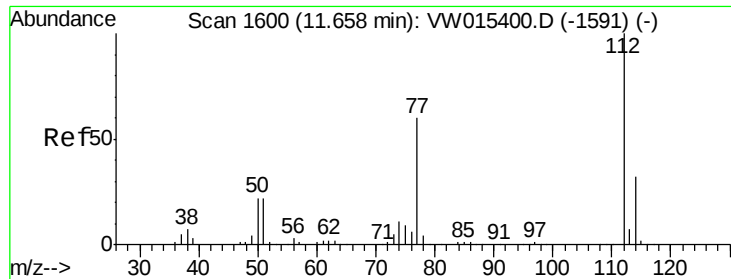
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#64  
Tetrachloroethene  
Concen: 52.708 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 124.7 | 104.9 | 157.3 |
| 129     | 96.9  | 82.7  | 124.1 |
| 131     | 93.0  | 75.5  | 113.3 |





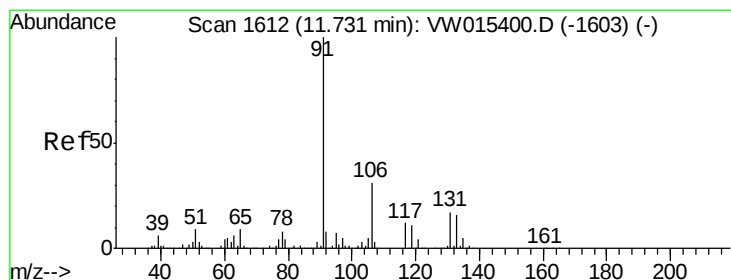
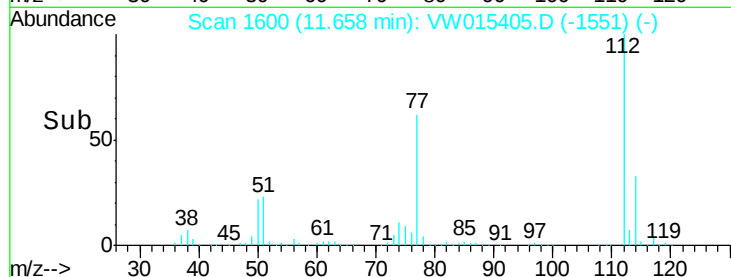
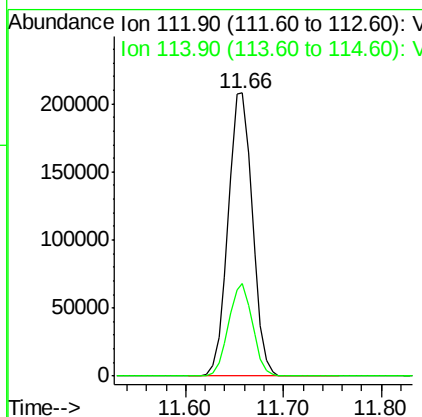
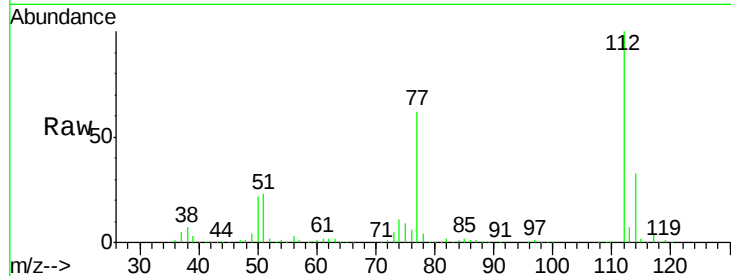
#65  
Chlorobenzene  
Concen: 51.346 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tot Ion:112 Resp: 358464  
Ion Ratio Lower Upper  
112 100  
114 32.6 25.6 38.4

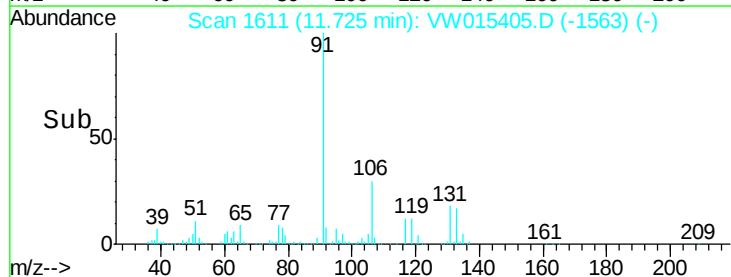
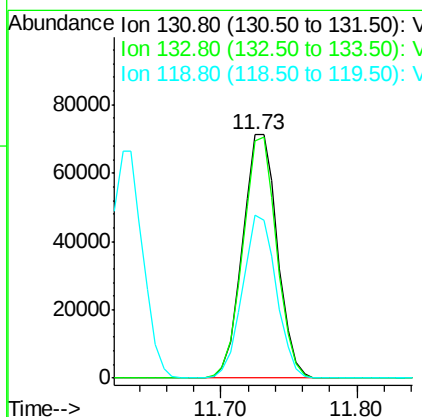
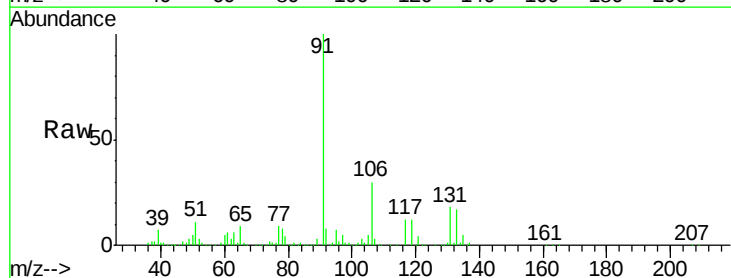
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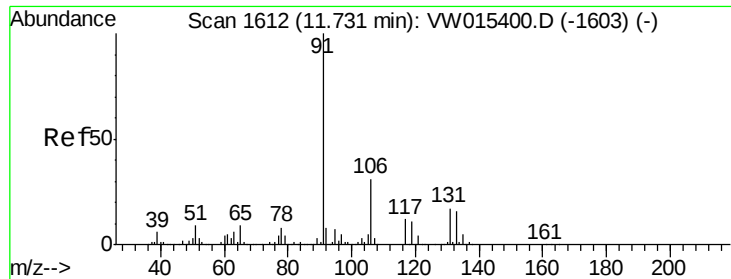
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.489 ug/l  
RT: 11.73 min Scan# 1611  
Delta R.T. -0.01 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

Tgt Ion:131 Resp: 127446  
Ion Ratio Lower Upper  
131 100  
133 95.8 47.9 143.8  
119 64.9 33.0 99.0





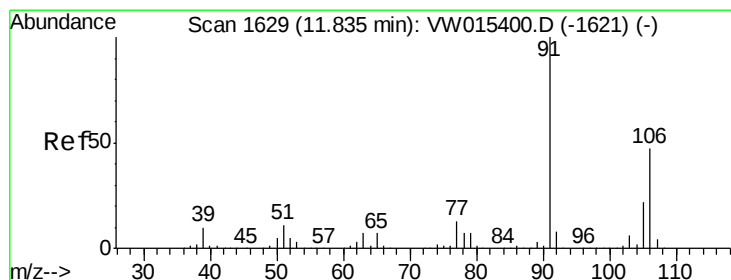
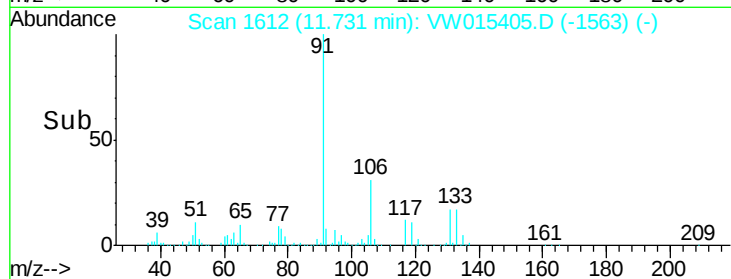
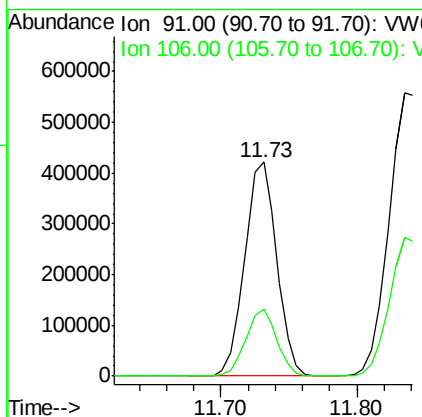
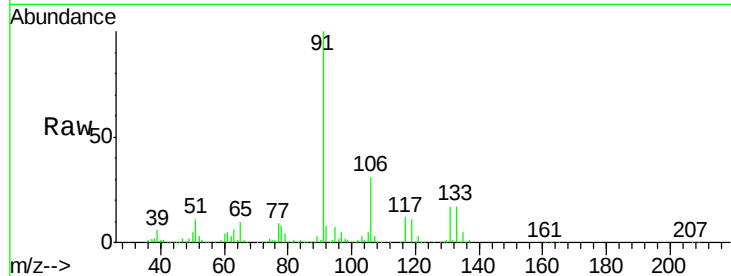
#67  
Ethyl Benzene  
Concen: 52.018 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 695094  
Ion Ratio Lower Upper  
91 100  
106 31.3 25.2 37.8

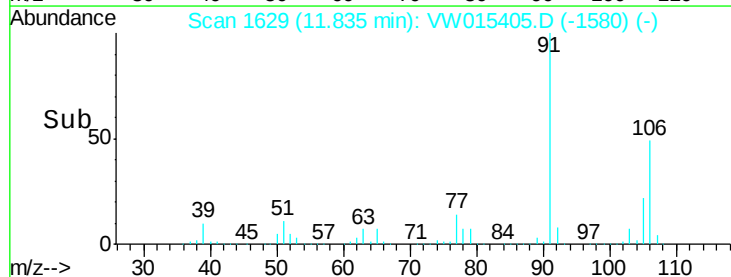
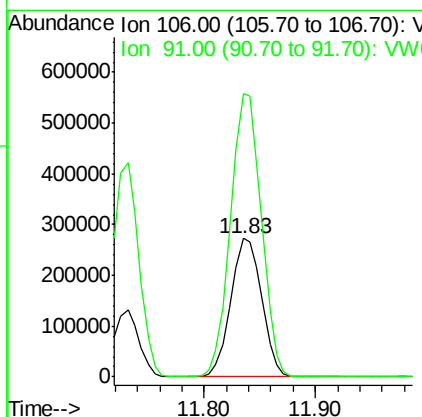
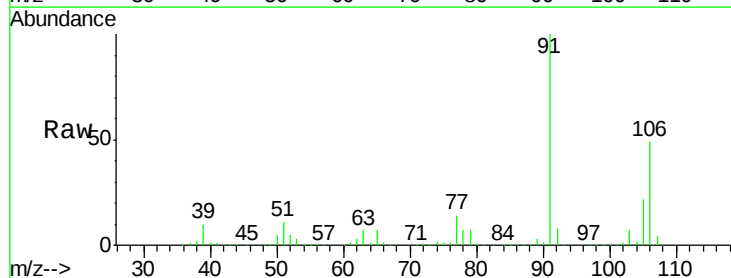
Manual Integrations  
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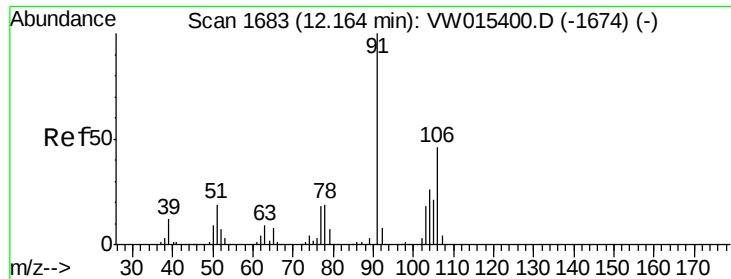
MMDadoda  
5/7/2020 10:34:47 AM



#68  
m/p-Xylenes  
Concen: 105.014 ug/l  
RT: 11.83 min Scan# 1629  
Delta R.T. -0.00 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

Tgt Ion: 106 Resp: 521721  
Ion Ratio Lower Upper  
106 100  
91 204.9 165.7 248.5





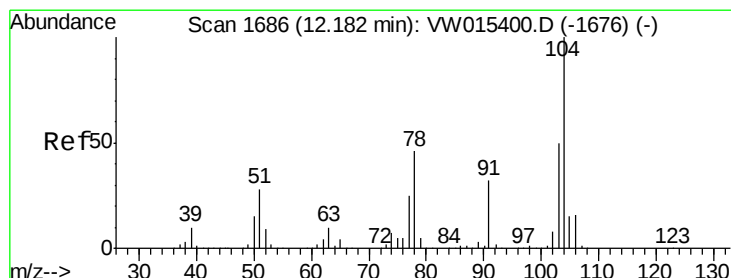
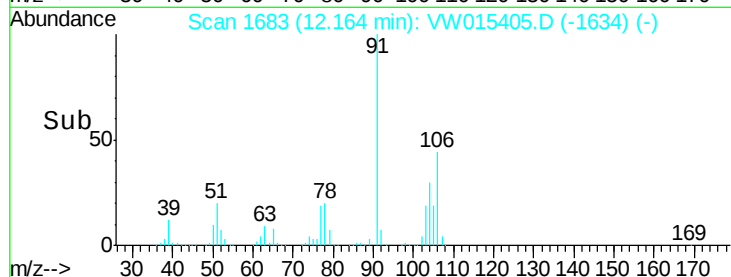
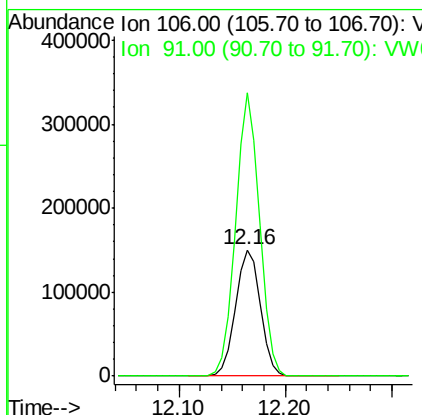
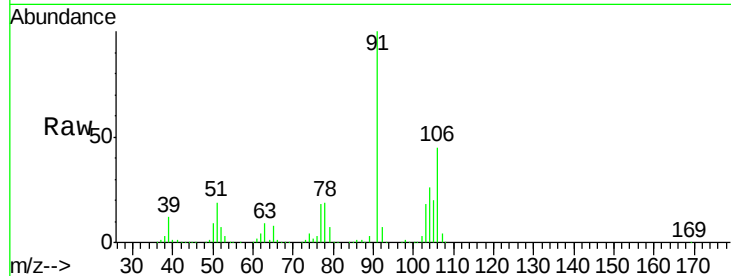
#69  
o-Xylene  
Concen: 52.576 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.00 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |       |
| 91      | 215.9 | 109.0 | 327.0 |       |       |

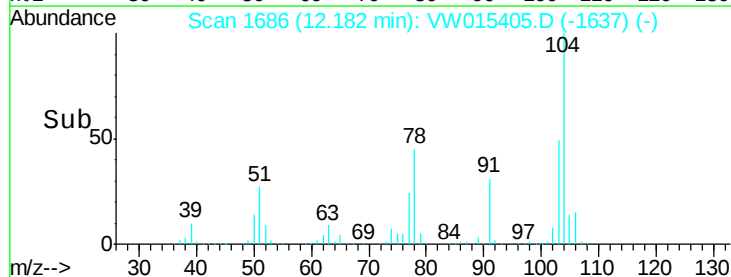
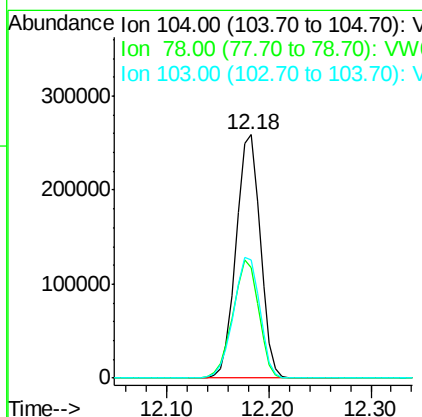
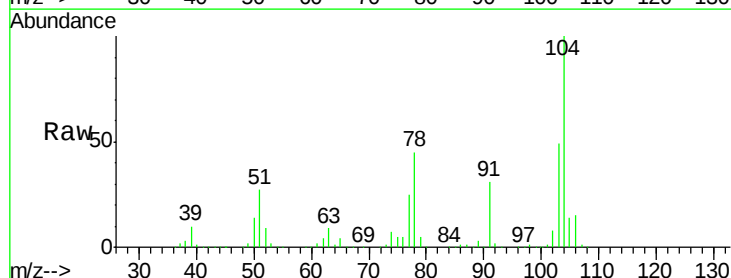
Manual Integrations  
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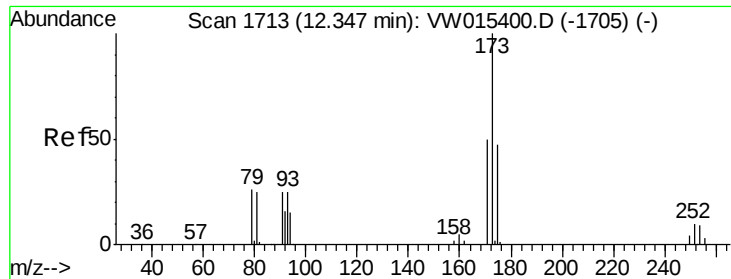
MMDadoda  
5/7/2020 10:34:47 AM



#70  
Styrene  
Concen: 52.752 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. -0.00 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 104     | 100  |       |      |       |       |
| 78      | 52.0 | 41.8  | 62.8 |       |       |
| 103     | 53.9 | 43.6  | 65.4 |       |       |





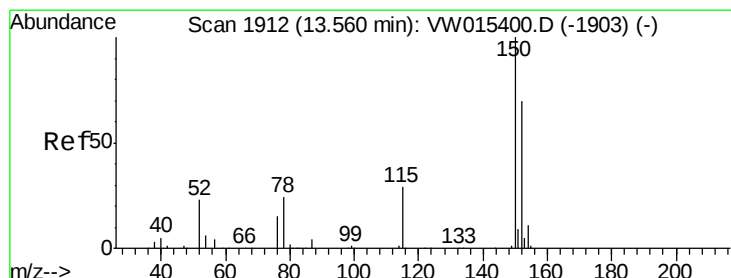
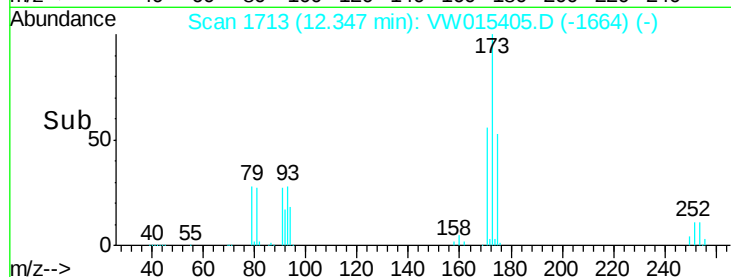
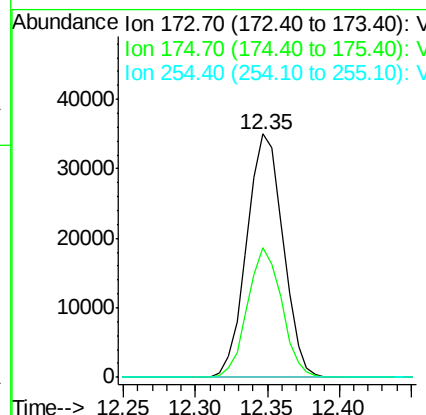
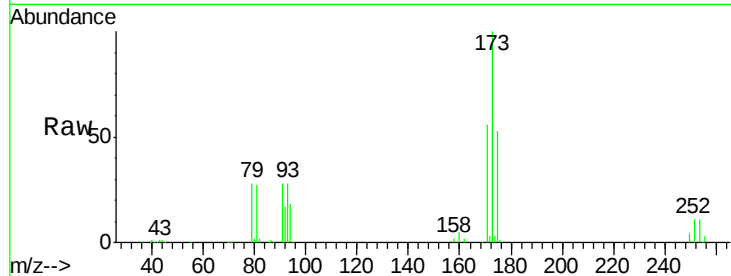
#71  
Bromoform  
Concen: 50.520 ug/l  
RT: 12.35 min Scan# 1713  
Delta R.T. -0.00 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 50.0  | 23.8  | 71.4  |
| 254     | 0.2   | 0.0   | 0.0#  |

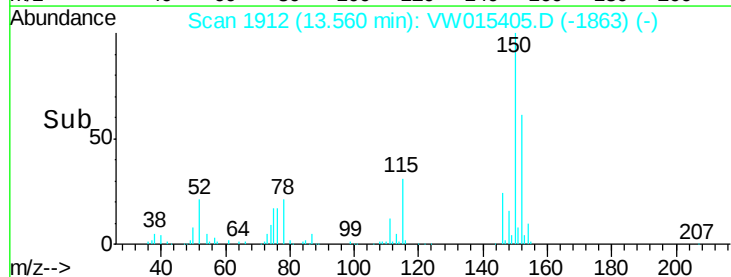
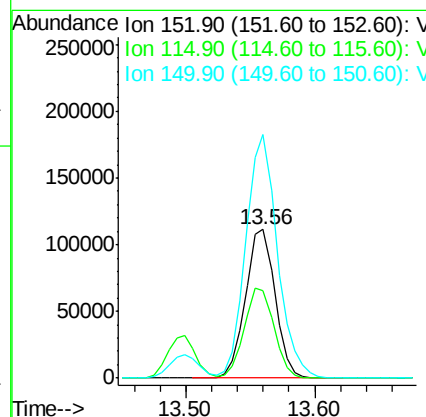
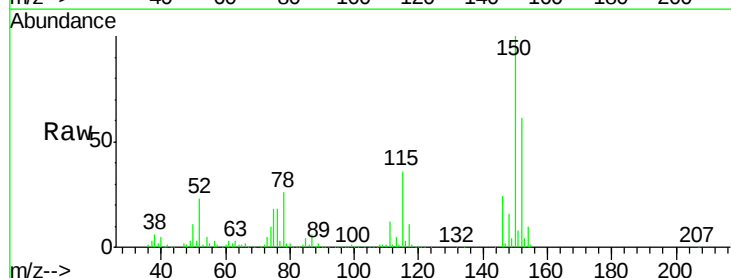
Manual Integrations  
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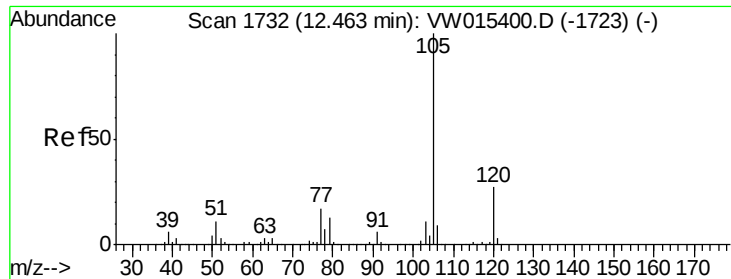
MMDadoda  
5/7/2020 10:34:47 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.9  | 30.3  | 90.8  |
| 150     | 174.7 | 0.0   | 344.4 |





#73

Isopropylbenzene

Concen: 52.263 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 687022

Ion Ratio Lower Upper

105 100

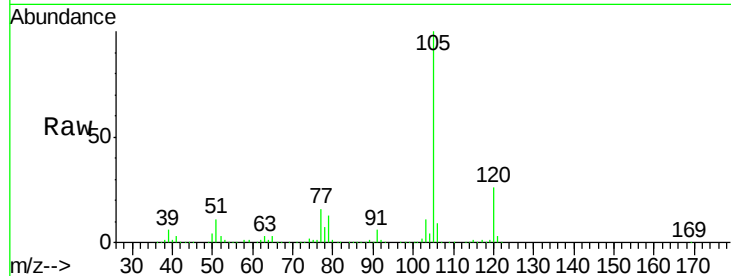
120 26.2 13.1 39.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

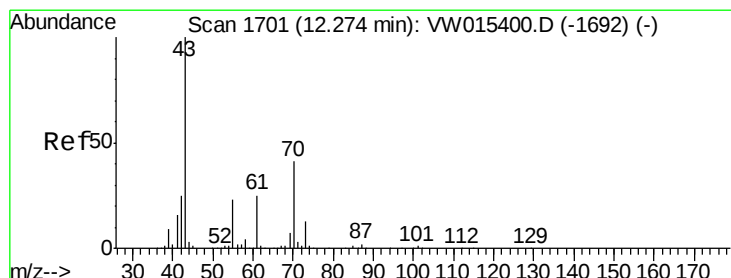
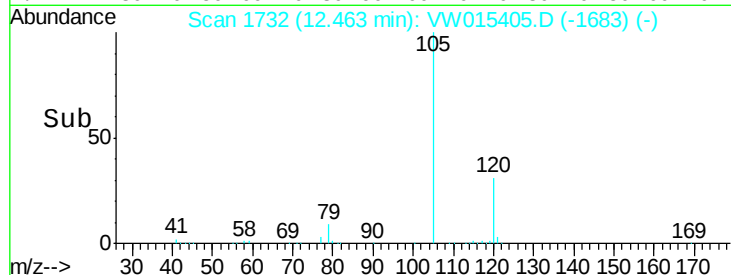
100000

0

12.46

12.40 12.50 12.60

Time-->



#74

N-ethyl acetate

Concen: 49.964 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Tgt Ion: 43 Resp: 155256

Ion Ratio Lower Upper

43 100

70 41.6 33.4 50.0

55 23.3 18.9 28.3

61 23.8 19.4 29.0

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

150000

100000

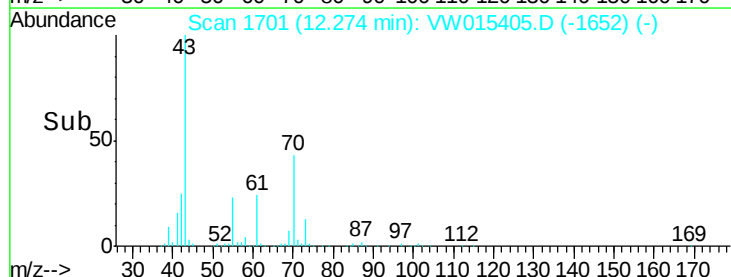
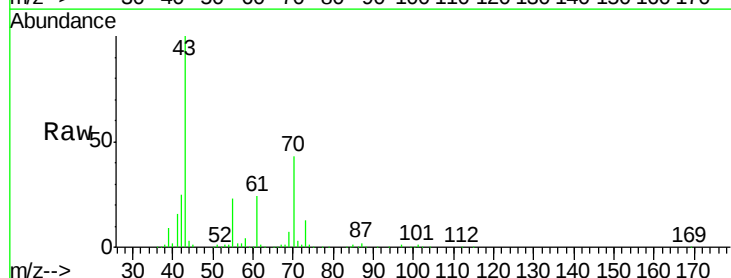
50000

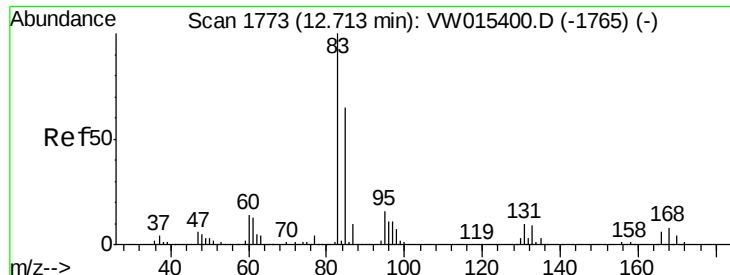
0

12.27

12.20 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.360 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA\_W

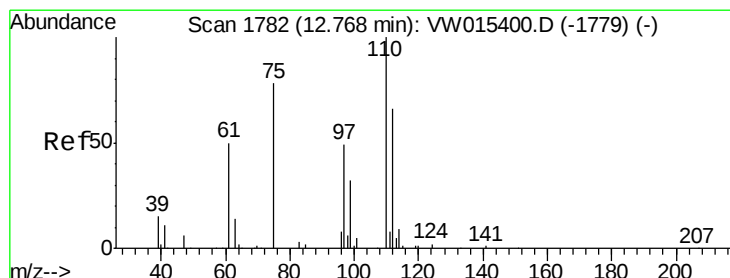
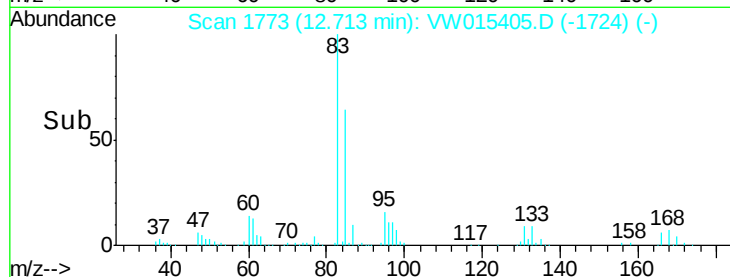
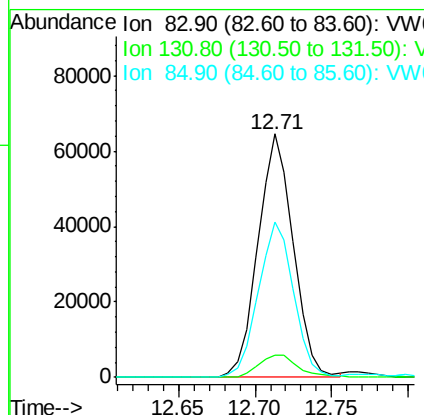
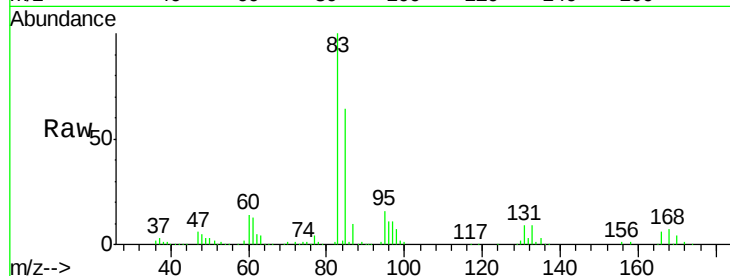
ClientSampled :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 103561 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.5  | 5.1   | 15.2   |
| 85        | 64.1  | 32.2  | 96.6   |

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#76

1,2,3-Trichloropropane

Concen: 46.600 ug/l m

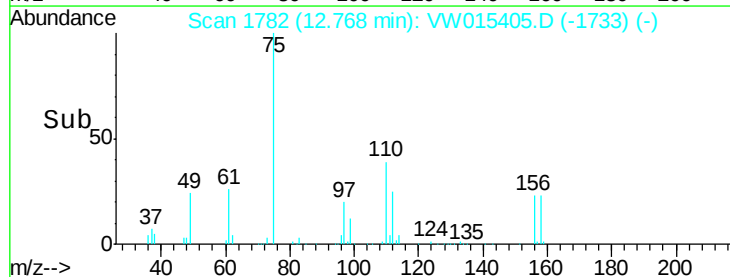
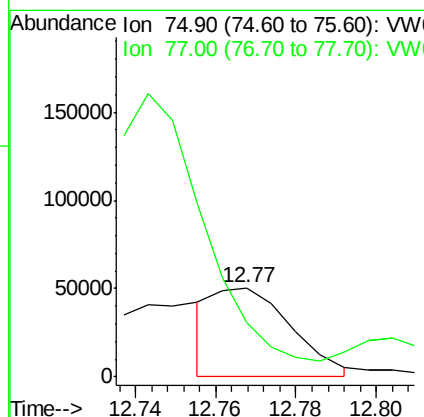
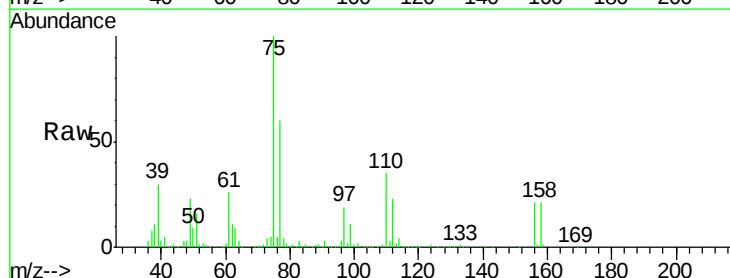
RT: 12.77 min Scan# 1782

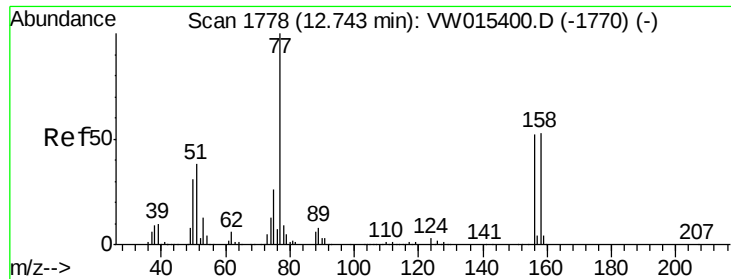
Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 67501 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 50.389 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 140374

Ion Ratio Lower Upper

156 100

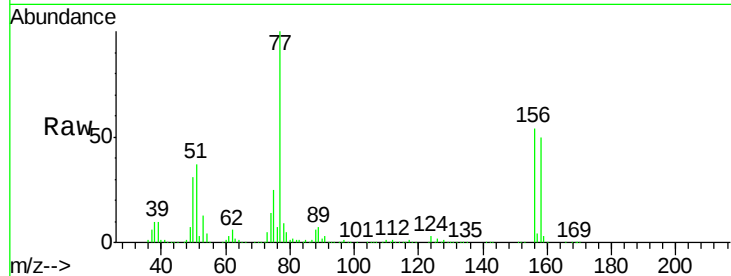
77 207.8 101.8 305.6

158 95.8 48.3 144.8

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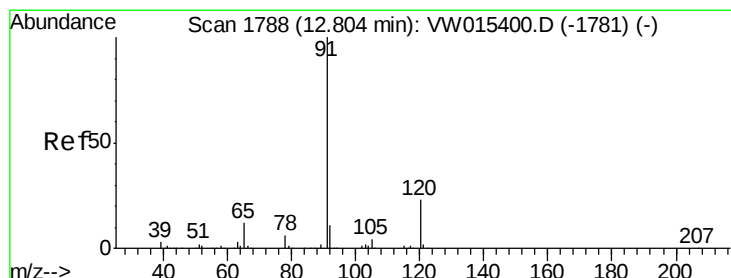
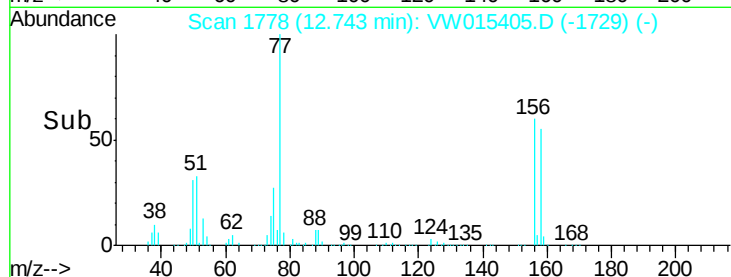
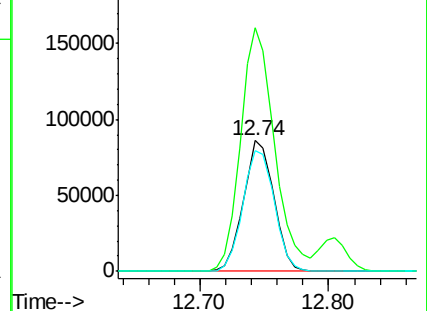
5/7/2020 10:34:47 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.610 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW015405.D

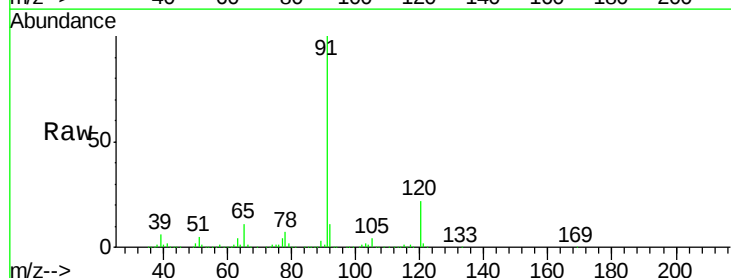
Acq: 06 May 2020 09:45

Tgt Ion: 91 Resp: 829751

Ion Ratio Lower Upper

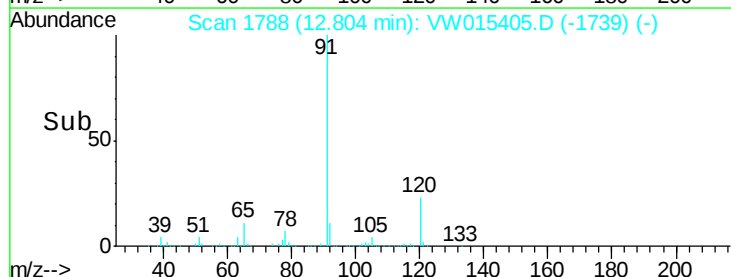
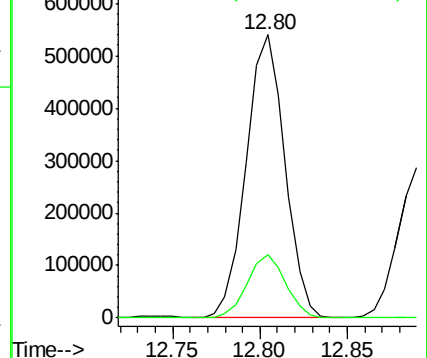
91 100

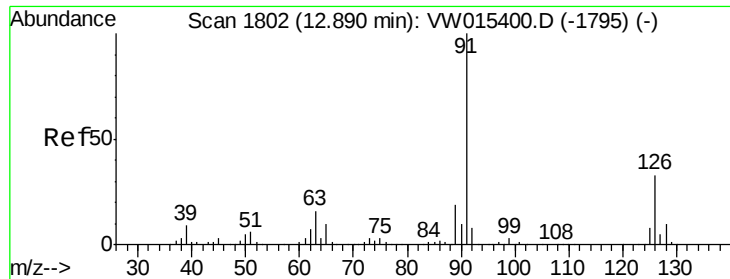
120 22.2 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.113 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 463303

Ion Ratio Lower Upper

91 100

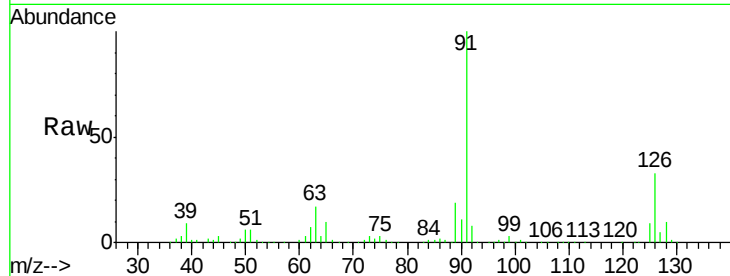
126 32.4 16.1 48.2

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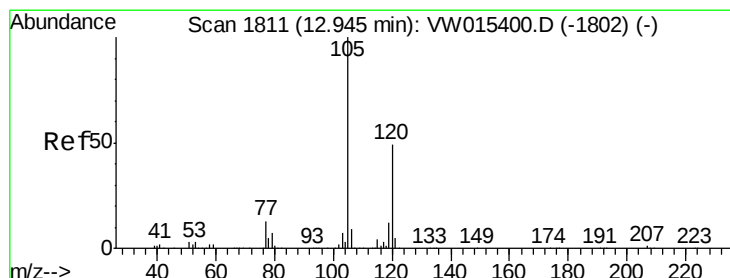
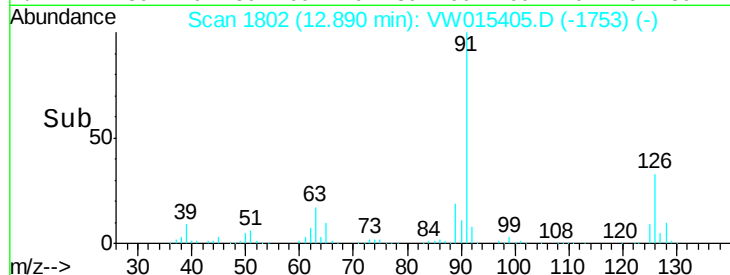
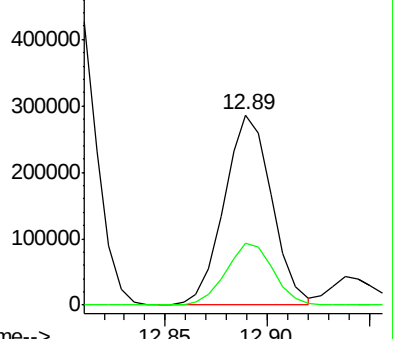
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.534 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW015405.D

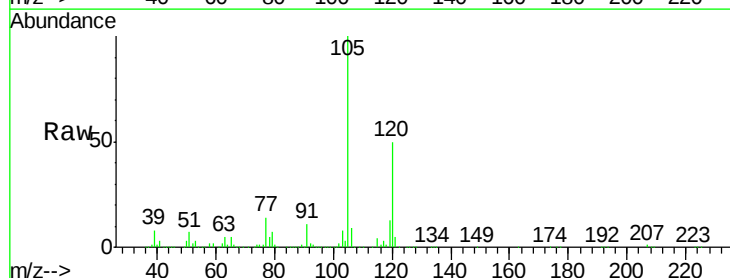
Acq: 06 May 2020 09:45

Tgt Ion:105 Resp: 581697

Ion Ratio Lower Upper

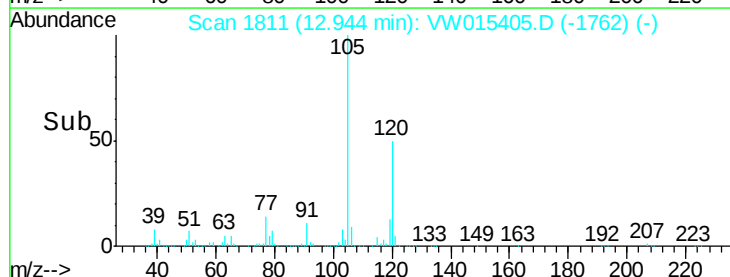
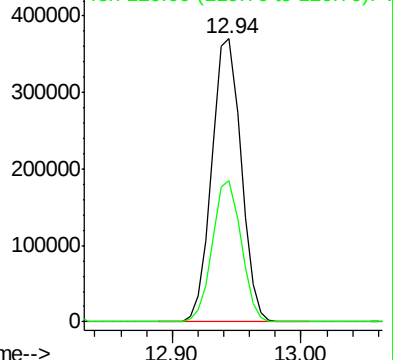
105 100

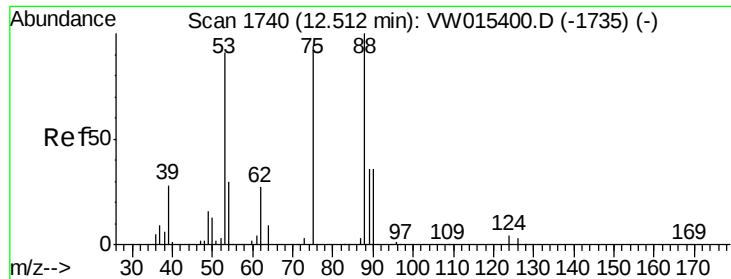
120 49.1 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 52.306 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA\_W

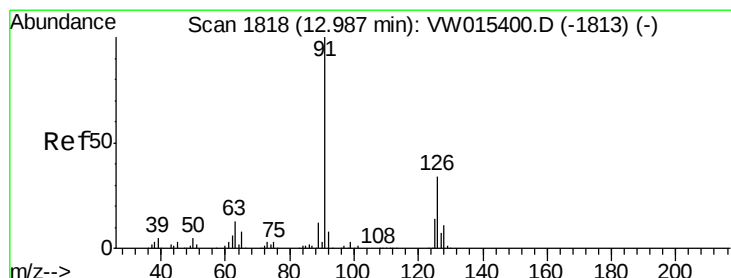
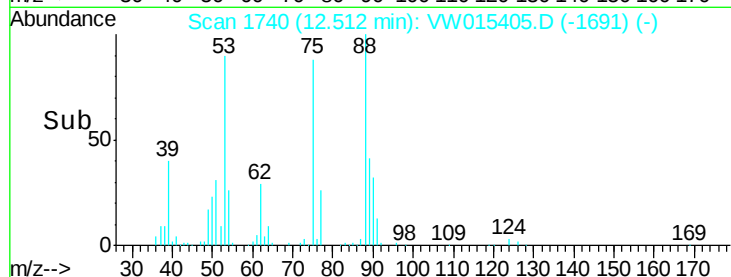
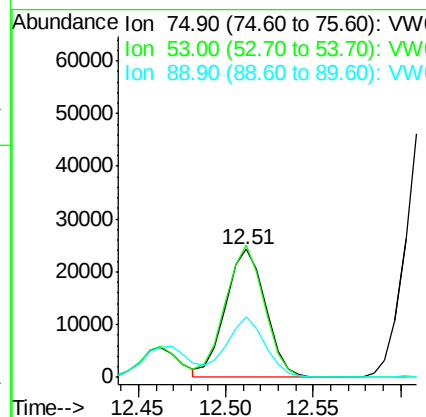
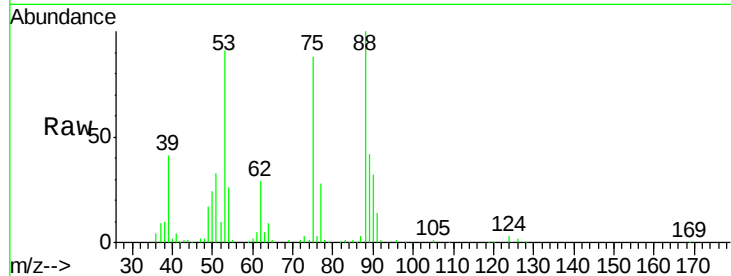
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 38304 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 102.2 | 82.5  | 123.7 |
| 89       | 45.6  | 35.8  | 53.8  |

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#82

4-Chlorotoluene

Concen: 51.448 ug/l

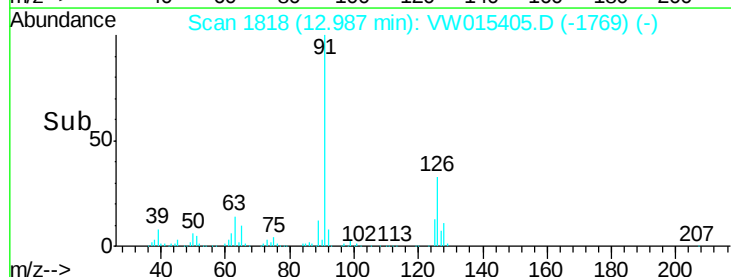
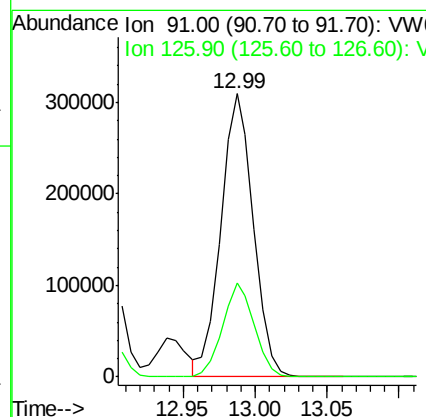
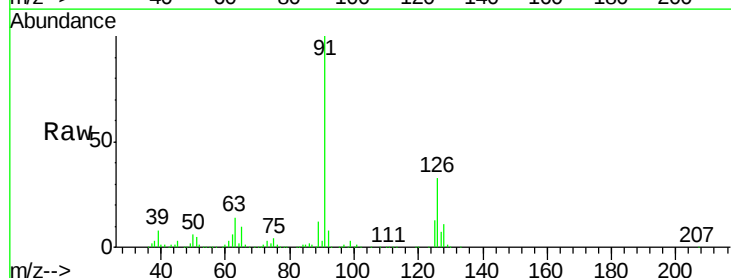
RT: 12.99 min Scan# 1818

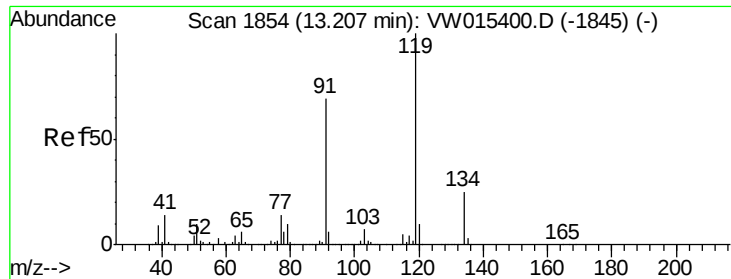
Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 484734 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 32.6  | 16.0  | 47.9   |





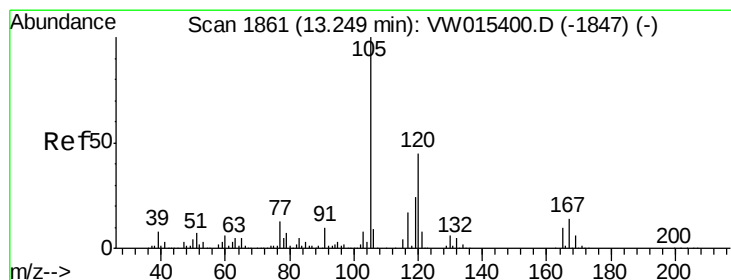
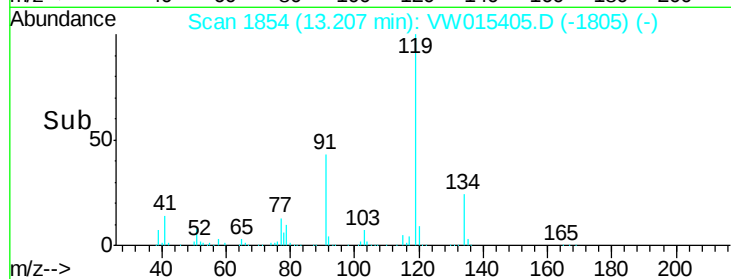
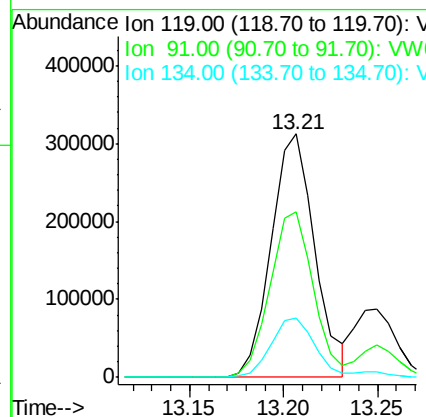
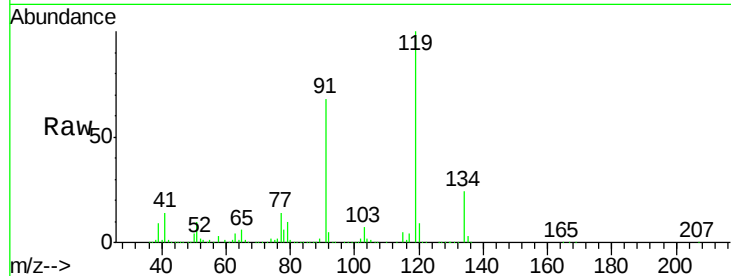
#83  
tert-Butylbenzene  
Concen: 53.133 ug/l  
RT: 13.21 min Scan# 1854  
Delta R.T. -0.00 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 502013 |       |       |
| 91      | 67.3  |        | 33.8  | 101.4 |
| 134     | 26.2  |        | 12.3  | 36.9  |

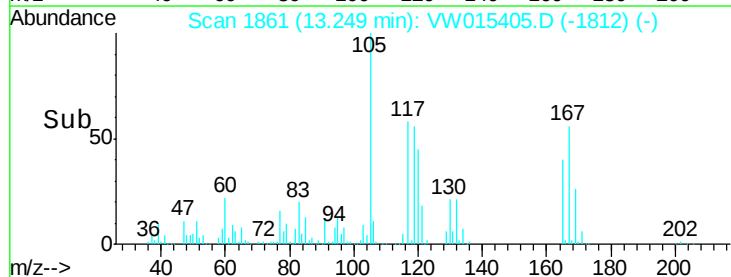
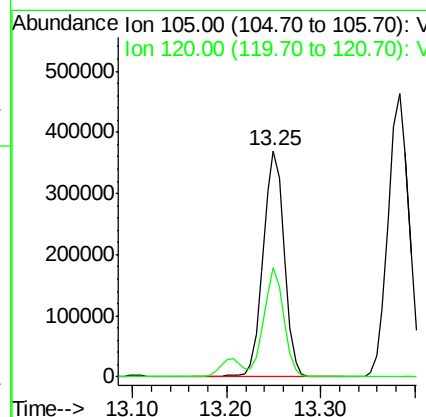
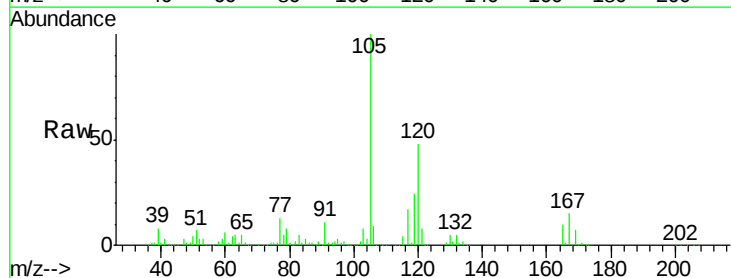
Manual Integrations  
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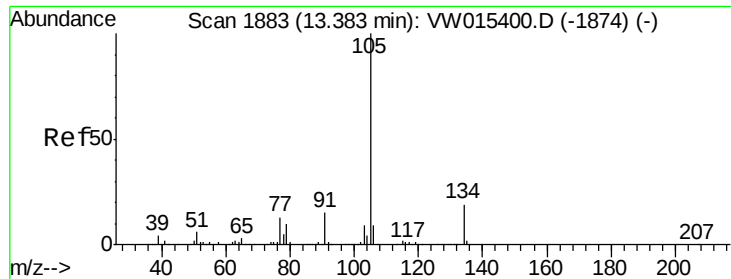
MMDadoda  
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#84  
1,2,4-Trimethylbenzene  
Concen: 52.228 ug/l  
RT: 13.25 min Scan# 1861  
Delta R.T. -0.00 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 578538 |       |       |
| 120     | 44.9  |        | 22.0  | 66.0  |





#85

sec-Butylbenzene

Concen: 53.655 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

Instrument :

MSVOA\_W

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 714269

Ion Ratio Lower Upper

105 100

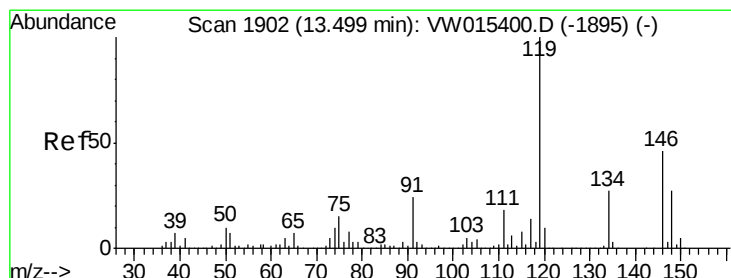
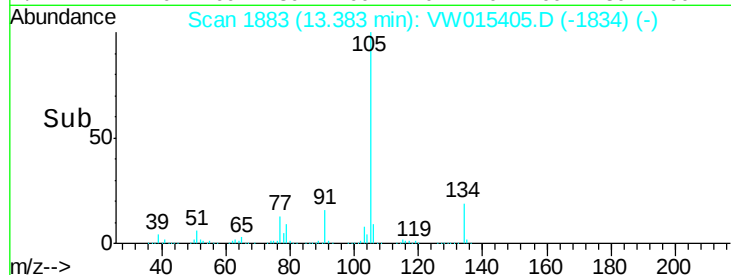
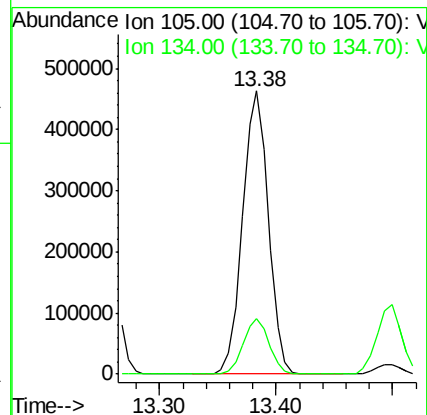
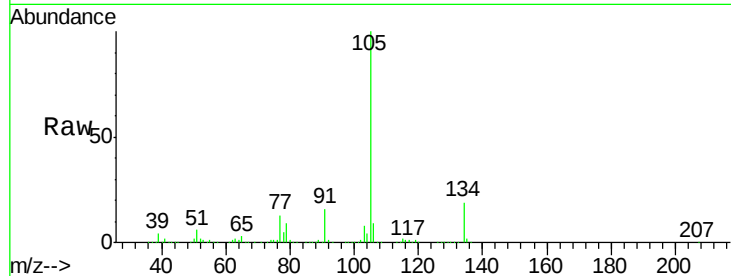
134 19.6 9.8 29.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.939 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

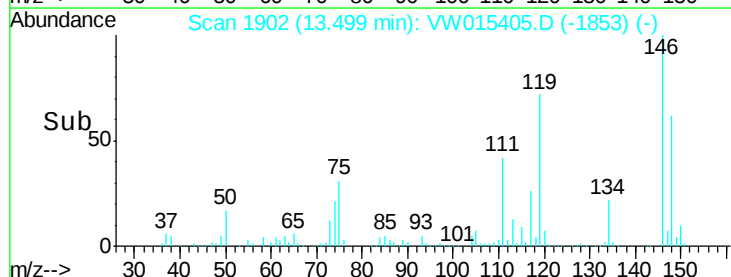
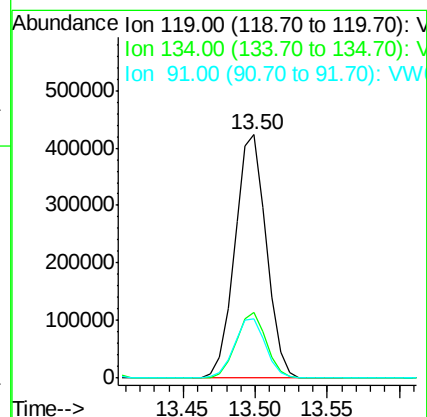
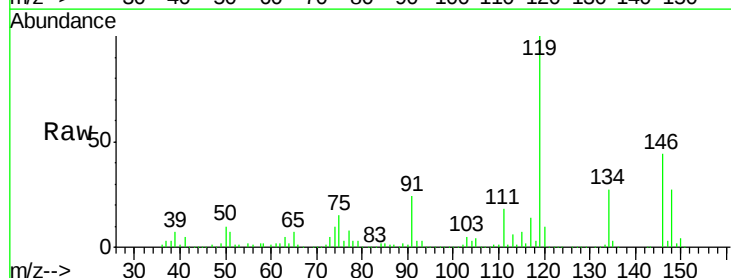
Tgt Ion:119 Resp: 642748

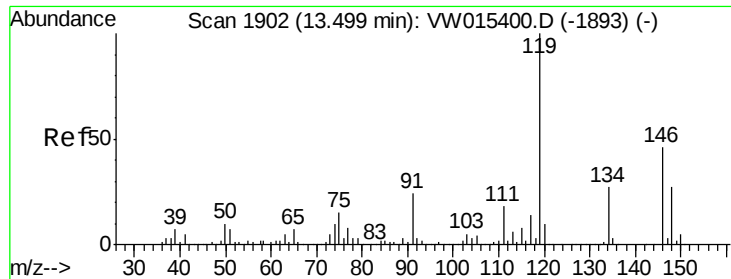
Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.4

91 24.5 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 52.381 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

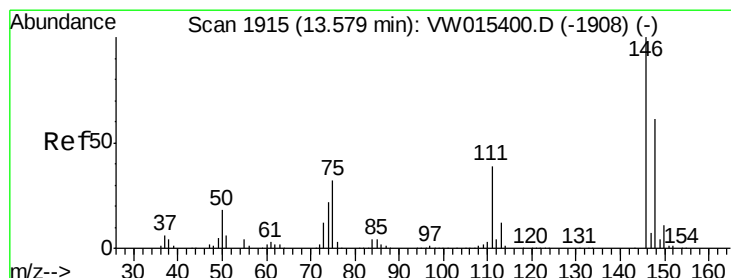
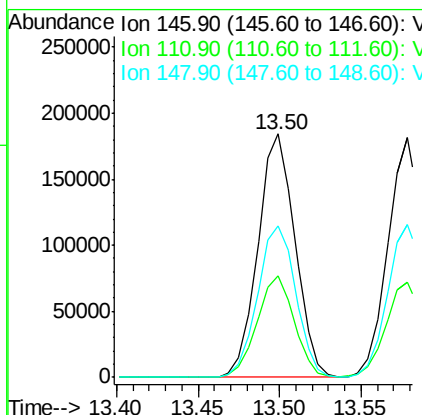
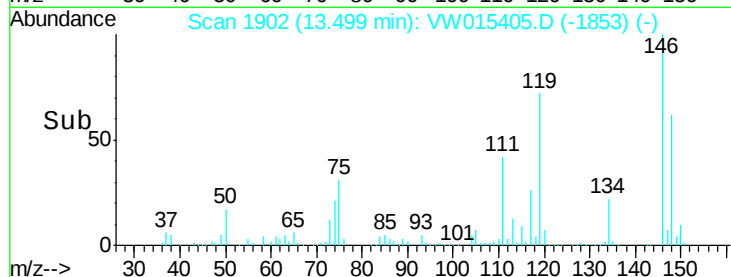
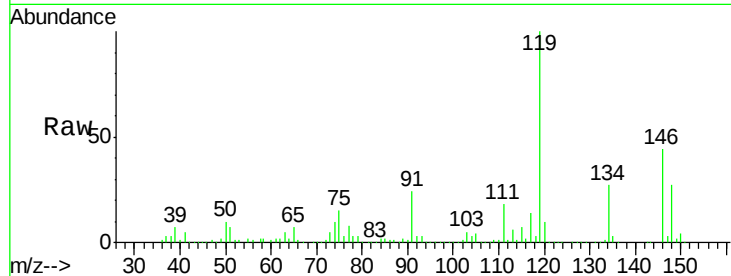
Instrument :  
MSVOA\_W

ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 290672 |       |       |
| 111     | 41.7  | 20.5   | 61.5  |       |
| 148     | 63.9  | 31.4   | 94.0  |       |

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#88

1,4-Dichlorobenzene

Concen: 50.956 ug/l

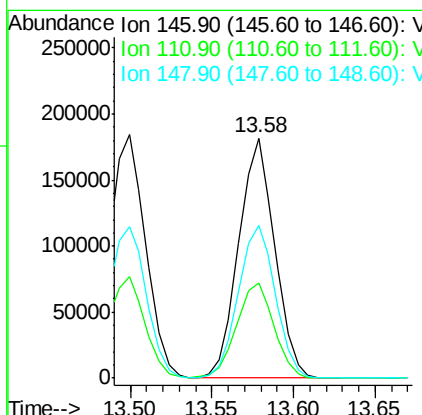
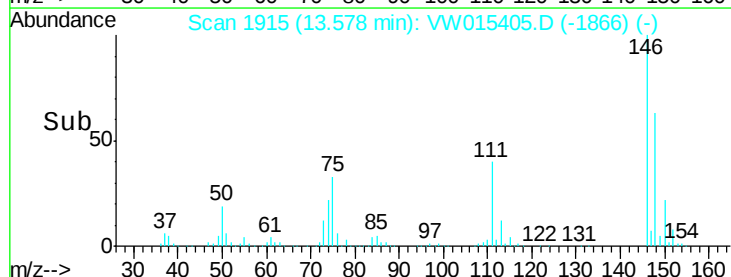
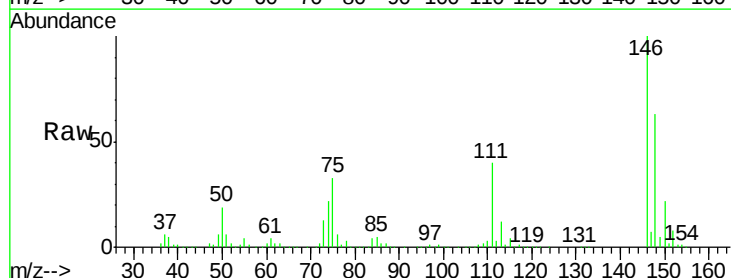
RT: 13.58 min Scan# 1915

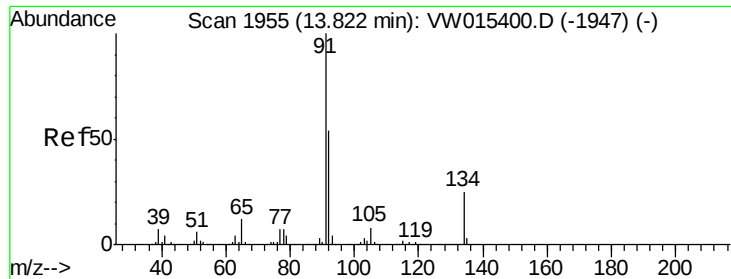
Delta R.T. -0.00 min

Lab File: VW015405.D

Acq: 06 May 2020 09:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 280040 |       |       |
| 111     | 41.2  | 20.0   | 60.0  |       |
| 148     | 65.4  | 31.4   | 94.3  |       |





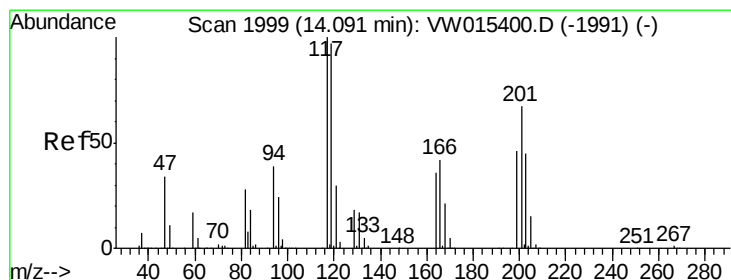
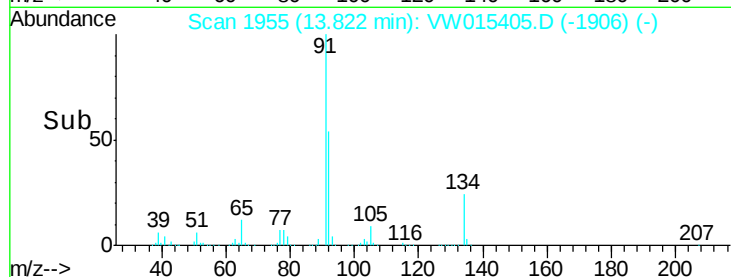
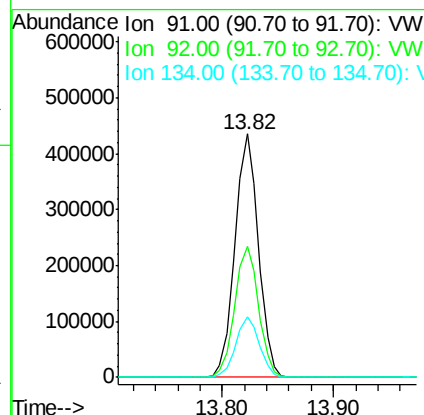
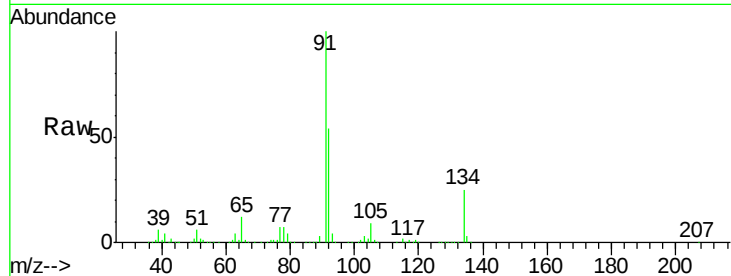
#89  
n-Butylbenzene  
Concen: 53.263 ug/l  
RT: 13.82 min Scan# 1955  
Delta R.T. -0.00 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 54.9  | 27.2  | 81.6  |
| 134     | 25.1  | 12.6  | 37.6  |

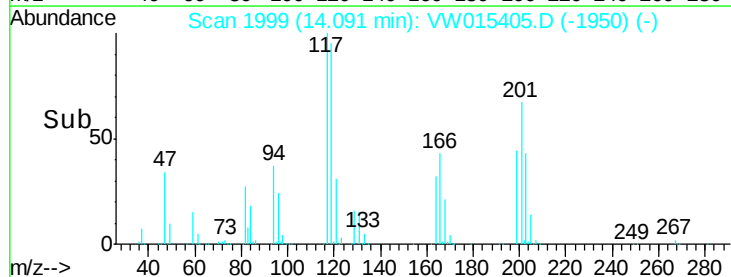
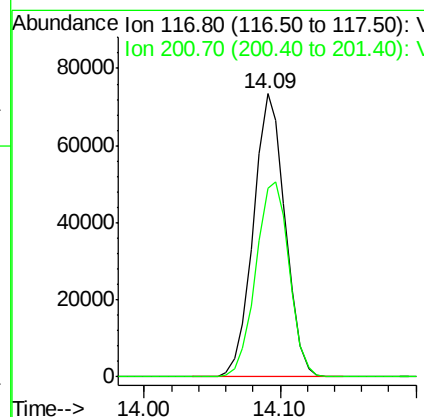
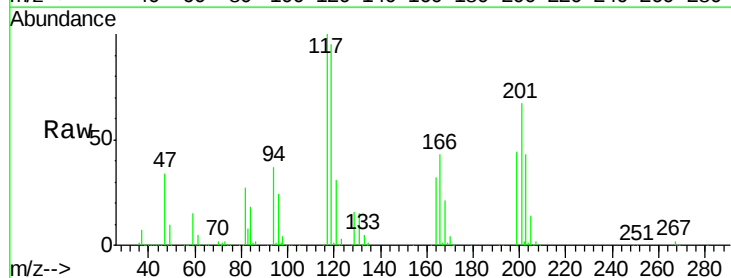
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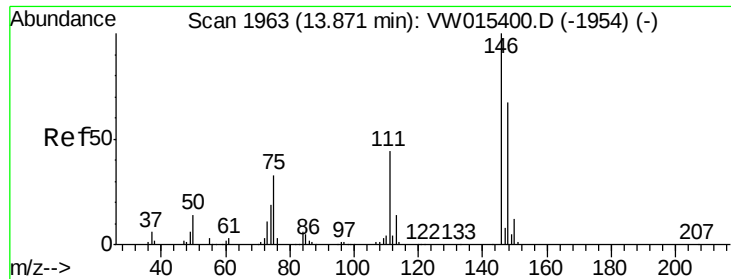
MMDadoda  
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#90  
Hexachloroethane  
Concen: 53.826 ug/l  
RT: 14.09 min Scan# 1999  
Delta R.T. -0.00 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 72.4  | 35.9  | 107.8 |





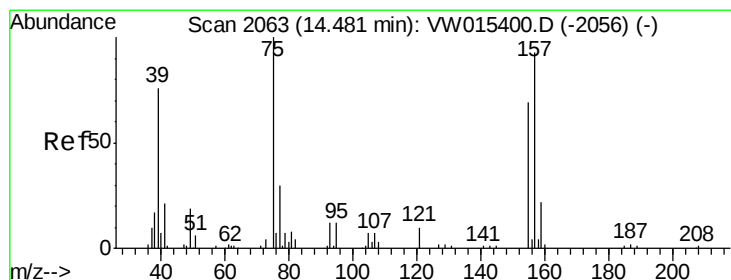
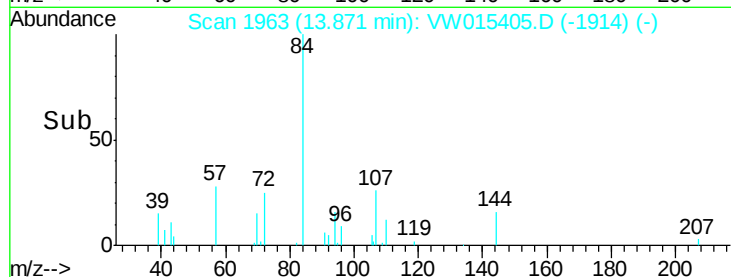
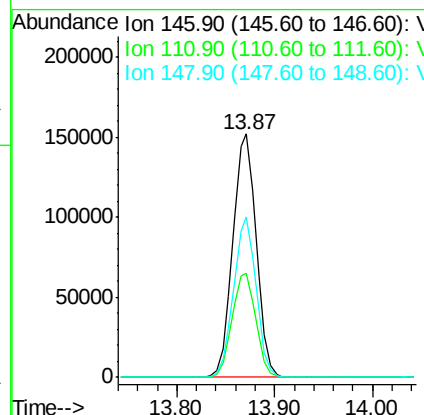
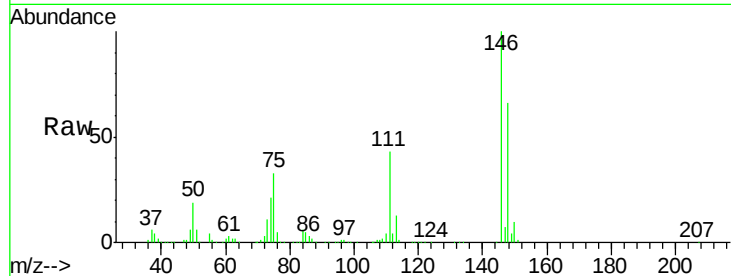
#91  
 1,2-Dichlorobenzene  
 Concen: 52.426 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. -0.00 min  
 Lab File: VW015405.D  
 Acq: 06 May 2020 09:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.2  | 22.1  | 66.3  |
| 148     | 63.3  | 32.5  | 97.4  |

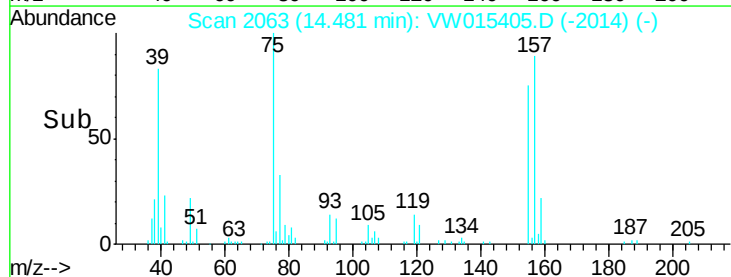
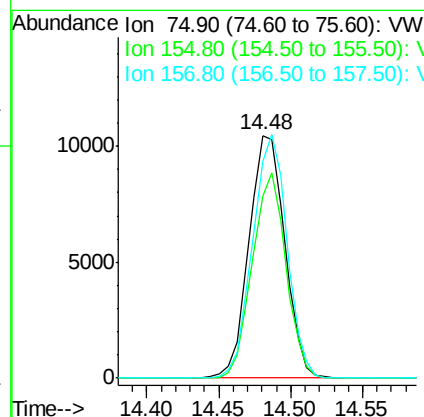
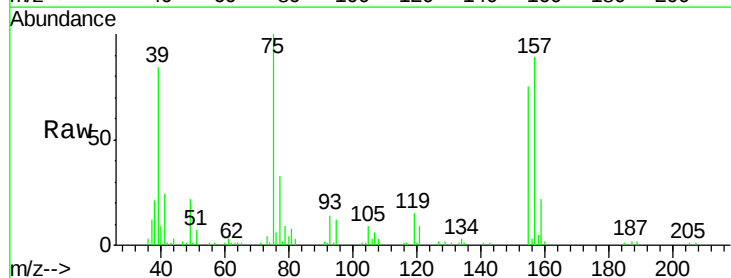
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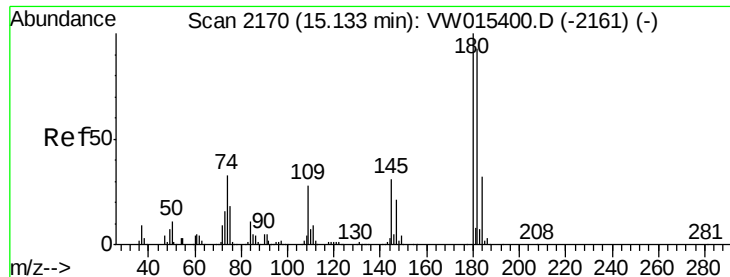
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 50.088 ug/l  
 RT: 14.48 min Scan# 2063  
 Delta R.T. -0.00 min  
 Lab File: VW015405.D  
 Acq: 06 May 2020 09:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 79.0  | 38.7  | 116.1 |
| 157     | 95.8  | 48.1  | 144.4 |





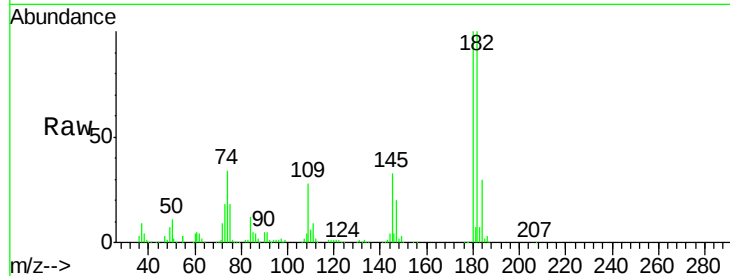
#93  
 1,2,4-Trichlorobenzene  
 Concen: 53.481 ug/l  
 RT: 15.13 min Scan# 2170  
 Delta R.T. -0.00 min  
 Lab File: VW015405.D  
 Acq: 06 May 2020 09:45

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

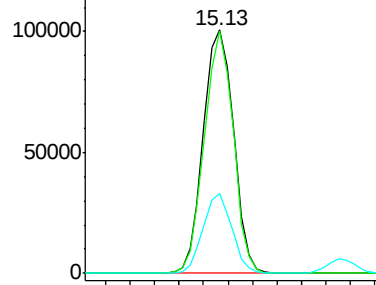
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 172704 |       |       |
| 182     | 94.5  | 47.2   | 141.6 |       |
| 145     | 31.1  | 15.6   | 46.8  |       |

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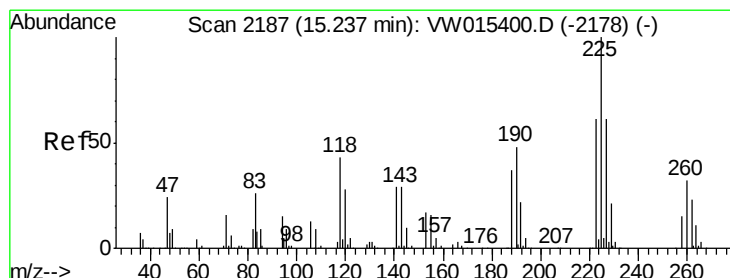
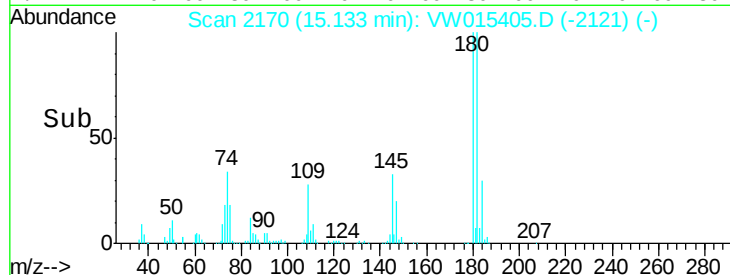
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Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

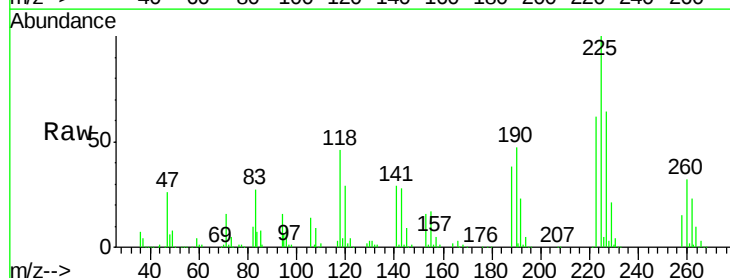


Time-->

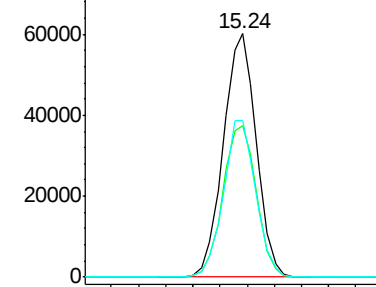


#94  
 Hexachlorobutadiene  
 Concen: 53.199 ug/l  
 RT: 15.24 min Scan# 2187  
 Delta R.T. -0.00 min  
 Lab File: VW015405.D  
 Acq: 06 May 2020 09:45

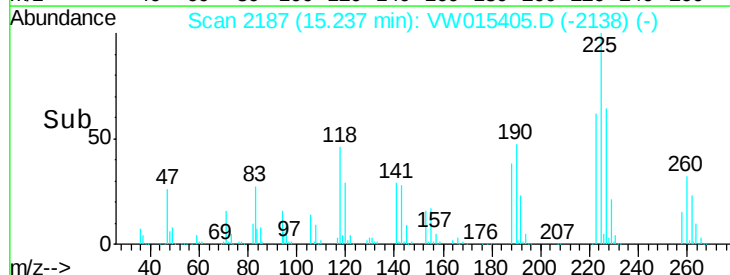
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 101801 |       |       |
| 223     | 63.3  | 30.7   | 92.1  |       |
| 227     | 63.6  | 32.0   | 96.0  |       |

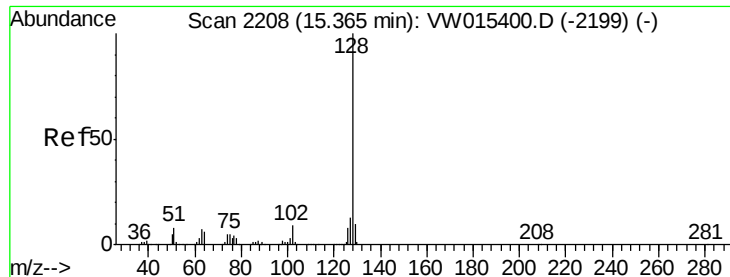


Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V



Time-->





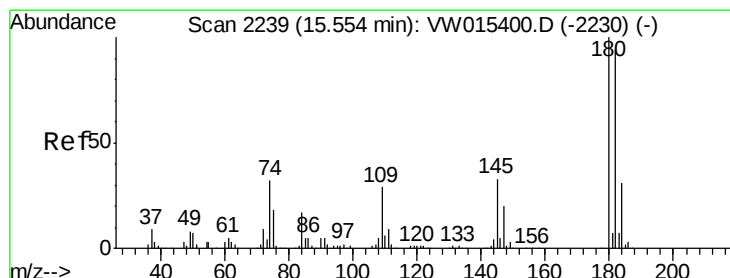
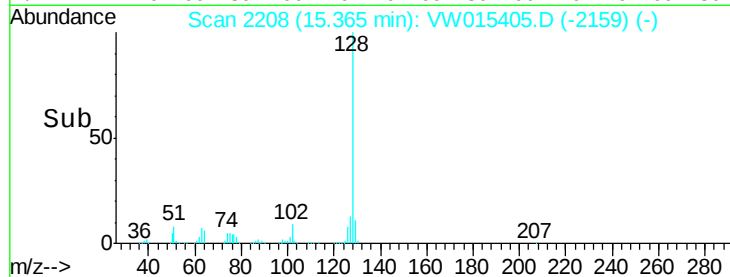
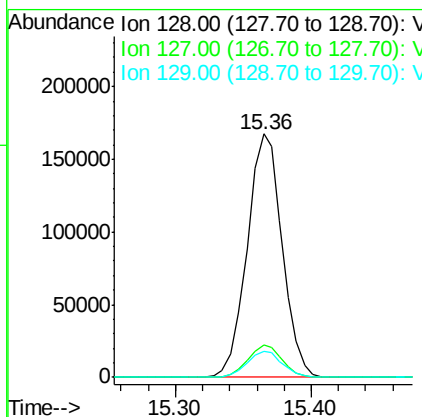
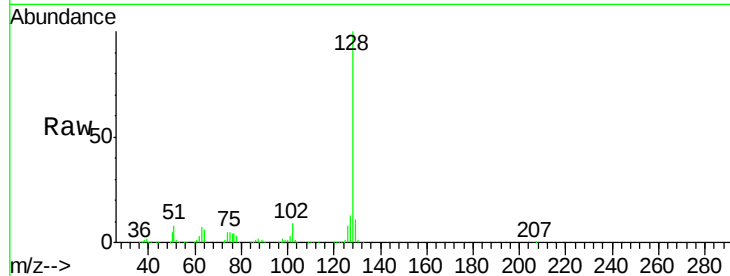
#95  
Naphthalene  
Concen: 52.095 ug/l  
RT: 15.36 min Scan# 2208  
Delta R.T. -0.00 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.5  | 15.7  |
| 129     | 10.8  | 8.6   | 12.8  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 53.095 ug/l  
RT: 15.55 min Scan# 2239  
Delta R.T. -0.00 min  
Lab File: VW015405.D  
Acq: 06 May 2020 09:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 92.9  | 47.6  | 142.8 |
| 145     | 32.6  | 16.3  | 48.8  |

