

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW091419\  
 Data File : VW012981.D  
 Acq On : 14 Sep 2019 03:51  
 Operator : SY/VA  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 9/16/2019 12:43:54 AM

Quant Time: Sep 14 05:47:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W091419S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 13 17:26:01 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 275252   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 414598   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 360517   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 181064   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 146150   | 57.49 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 114.98% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 120292   | 53.47 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.94% |      |
| 50) Toluene-d8            | 10.32  | 98  | 478331   | 54.34 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.68% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 166261   | 52.52 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.04% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 47949   | 45.070  | ug/l | 94     |
| 3) Chloromethane              | 2.21 | 50  | 67444   | 51.018  | ug/l | 100    |
| 4) Vinyl Chloride             | 2.36 | 62  | 87850   | 44.590  | ug/l | 100    |
| 5) Bromomethane               | 2.76 | 94  | 54972   | 45.690  | ug/l | 98     |
| 6) Chloroethane               | 2.91 | 64  | 57895   | 47.913  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 3.25 | 101 | 60048   | 43.585  | ug/l | 100    |
| 8) Diethyl Ether              | 3.68 | 74  | 53488   | 49.721  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 96354   | 46.112  | ug/l | 98     |
| 10) Methyl Iodide             | 4.27 | 142 | 129358  | 49.466  | ug/l | 100    |
| 11) Tert butyl alcohol        | 5.19 | 59  | 45503   | 266.581 | ug/l | 96     |
| 12) 1,1-Dichloroethene        | 4.04 | 96  | 89765   | 47.246  | ug/l | 96     |
| 13) Acrolein                  | 3.89 | 56  | 46444   | 247.762 | ug/l | 99     |
| 14) Allyl chloride            | 4.66 | 41  | 179505  | 49.767  | ug/l | 100    |
| 15) Acrylonitrile             | 5.36 | 53  | 143560  | 261.281 | ug/l | 99     |
| 16) Acetone                   | 4.12 | 43  | 119980  | 214.750 | ug/l | 98     |
| 17) Carbon Disulfide          | 4.38 | 76  | 169480  | 44.762  | ug/l | 97     |
| 18) Methyl Acetate            | 4.67 | 43  | 79266   | 54.730  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.42 | 73  | 194993  | 51.992  | ug/l | 92     |
| 20) Methylene Chloride        | 4.91 | 84  | 109357  | 53.623  | ug/l | 96     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 98850   | 48.577  | ug/l | 97     |
| 22) Diisopropyl ether         | 6.31 | 45  | 393121  | 52.464  | ug/l | 97     |
| 23) Vinyl Acetate             | 6.25 | 43  | 1132896 | 252.431 | ug/l | 98     |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 217874  | 50.430  | ug/l | 98     |
| 25) 2-Butanone                | 7.17 | 43  | 190810  | 236.051 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 7.16 | 77  | 124824  | 45.101  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 122884  | 50.440  | ug/l | 98     |
| 28) Bromochloromethane        | 7.51 | 49  | 102614  | 56.431  | ug/l | 98     |
| 29) Tetrahydrofuran           | 7.53 | 42  | 123633  | 268.429 | ug/l | 97     |
| 30) Chloroform                | 7.67 | 83  | 221636  | 50.489  | ug/l | 99     |
| 31) Cyclohexane               | 7.95 | 56  | 158797  | 48.868  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 173721  | 48.055  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 152261  | 45.959  | ug/l | 99     |
| 37) Ethyl Acetate             | 7.25 | 43  | 86579   | 49.235  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 154534  | 45.517  | ug/l | 98     |

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 ALS Vial : 34 Sample Multiplier: 1

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 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
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MMDadoda  
 9/16/2019 12:43:54 AM

Quant Time: Sep 14 05:47:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W091419S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 13 17:26:01 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 158528   | 43.668  | ug/l   | 98       |
| 40) Benzene                    | 8.32  | 78   | 447324   | 48.366  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.48  | 41   | 54418    | 46.992  | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 152190   | 49.088  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.42  | 43   | 166998   | 49.461  | ug/l   | 99       |
| 44) Trichloroethene            | 9.09  | 130  | 120295   | 47.485  | ug/l   | 93       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 120221   | 48.925  | ug/l   | 98       |
| 46) Dibromomethane             | 9.46  | 93   | 57290    | 48.663  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.64  | 83   | 161246   | 48.829  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.43  | 41   | 79506    | 50.174  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.46  | 88   | 18658    | 945.827 | ug/l # | 78       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 438269   | 251.424 | ug/l   | 100      |
| 52) Toluene                    | 10.38 | 92   | 280127   | 47.665  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 156776   | 47.206  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 181507   | 47.765  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 88762    | 49.492  | ug/l   | 95       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 122859   | 50.894  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 155630   | 48.919  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 332157   | 256.501 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.97 | 43   | 291648   | 240.282 | ug/l   | 98       |
| 60) Dibromochloromethane       | 11.13 | 129  | 103864   | 47.902  | ug/l   | 95       |
| 61) 1,2-Dibromoethane          | 11.23 | 107  | 80506    | 49.208  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.86 | 164  | 108554   | 50.614  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.66 | 112  | 306202   | 47.683  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 117969   | 47.938  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.73 | 91   | 573735   | 48.376  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.84 | 106  | 415674   | 95.941  | ug/l   | 99       |
| 69) o-Xylene                   | 12.16 | 106  | 197285   | 48.570  | ug/l   | 99       |
| 70) Styrene                    | 12.18 | 104  | 354862   | 49.111  | ug/l   | 99       |
| 71) Bromoform                  | 12.35 | 173  | 64056    | 49.555  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.46 | 105  | 568147   | 47.340  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.27 | 43   | 149135   | 48.307  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 102369   | 48.565  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 82530m   | 52.037  | ug/l   |          |
| 77) Bromobenzene               | 12.74 | 156  | 133379   | 48.241  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.80 | 91   | 665520   | 47.142  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 389777   | 48.029  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 480300   | 47.305  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 31174    | 44.589  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 407674   | 47.611  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 428749   | 47.210  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 484797   | 48.320  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.38 | 105  | 574013   | 46.391  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.49 | 119  | 537345   | 47.301  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 255417   | 46.667  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 256786   | 47.743  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.82 | 91   | 498940   | 46.571  | ug/l   | 100      |
| 90) Hexachloroethane           | 14.09 | 117  | 95188    | 46.758  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 231548   | 48.107  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.48 | 75   | 18006    | 46.667  | ug/l   | 98       |

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Sample : VSTDCCC050  
Misc : 5.00G/5ML/MSVOA\_W/SOIL  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Quant Title : SW846 8260  
QLast Update : Fri Sep 13 17:26:01 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.13 | 180  | 166017   | 48.365 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 110431   | 45.445 | ug/l  | 98       |
| 95) Naphthalene            | 15.36 | 128  | 287771   | 50.174 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.55 | 180  | 144021   | 47.464 | ug/l  | 100      |

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

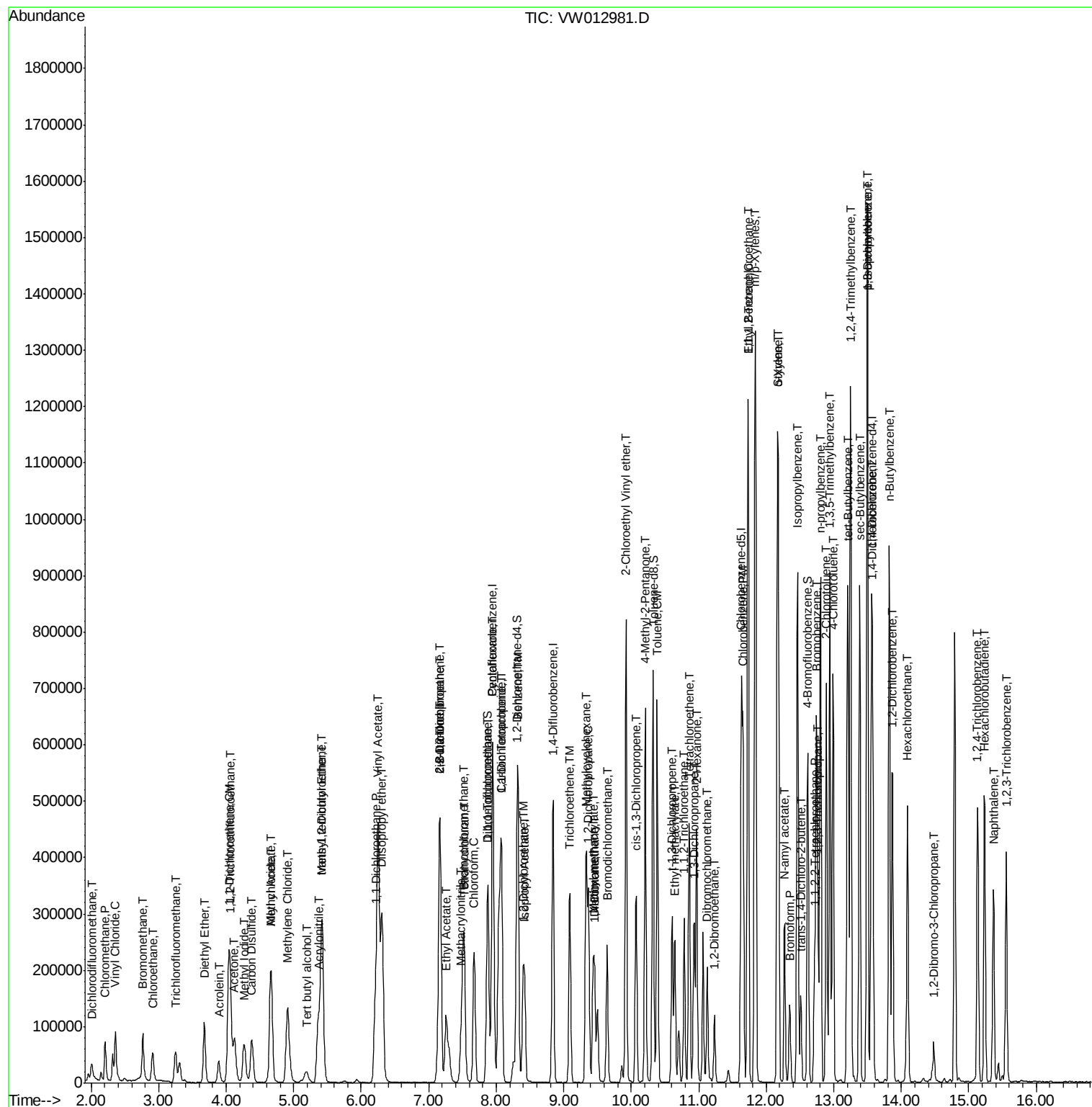
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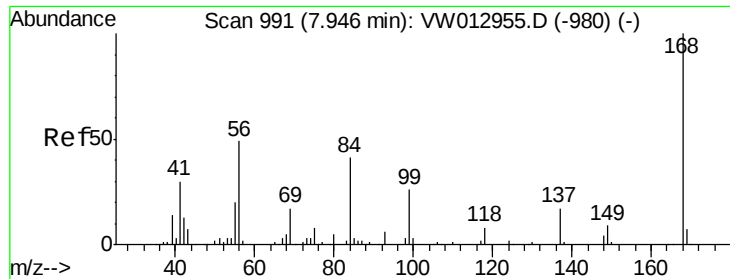
Instrument :  
 MSVOA\_W  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 168 Resp: 275252

Ion Ratio Lower Upper

168 100

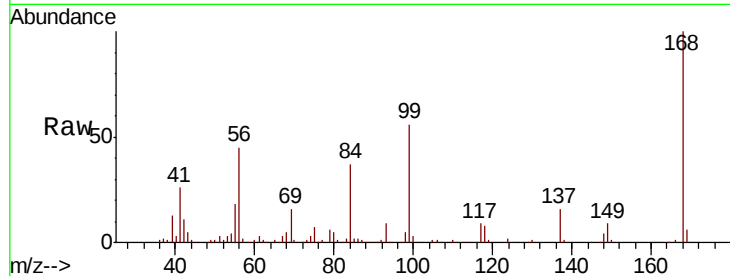
99 56.3 46.2 69.2

Manual Integrations

APPROVED

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9/16/2019 12:43:54 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

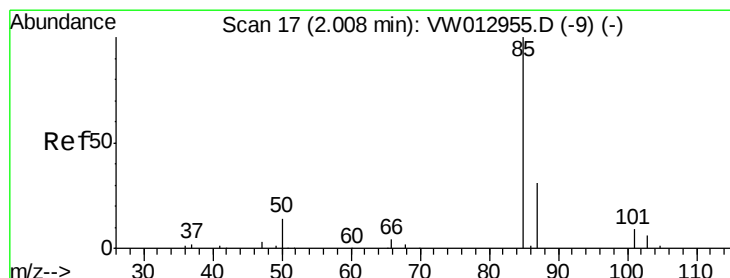
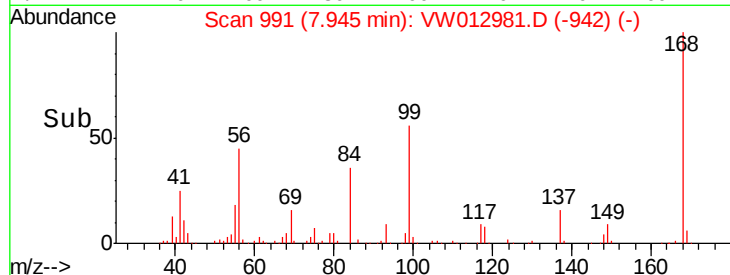
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.070 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012981.D

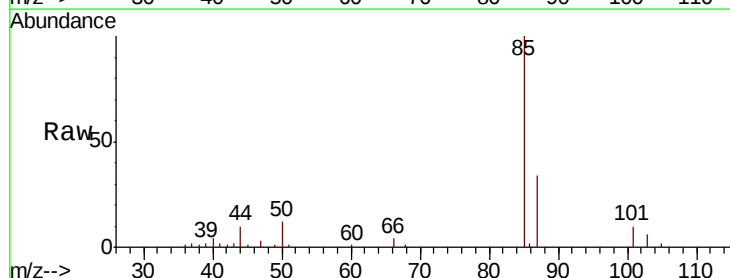
Acq: 14 Sep 2019 03:51

Tgt Ion: 85 Resp: 47949

Ion Ratio Lower Upper

85 100

87 34.3 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

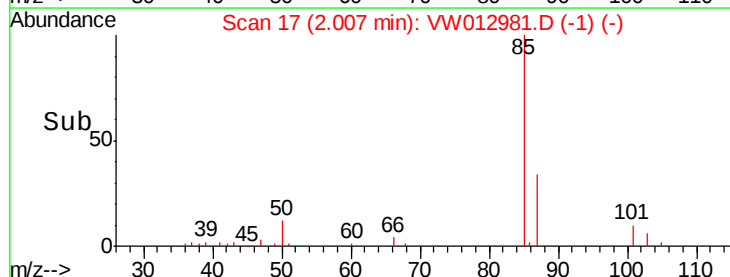
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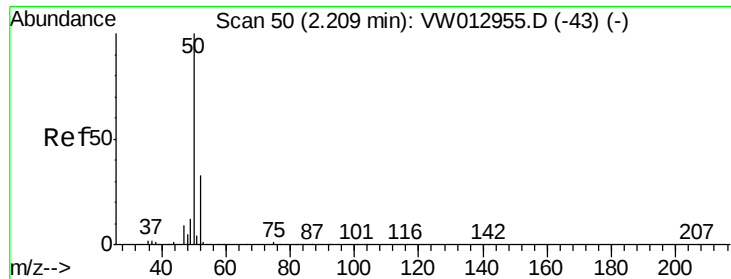
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5000

0

Time-->





#3

Chloromethane

Concen: 51.018 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 67444

Ion Ratio Lower Upper

50 100

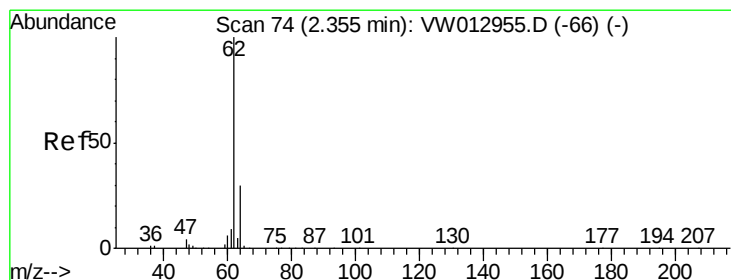
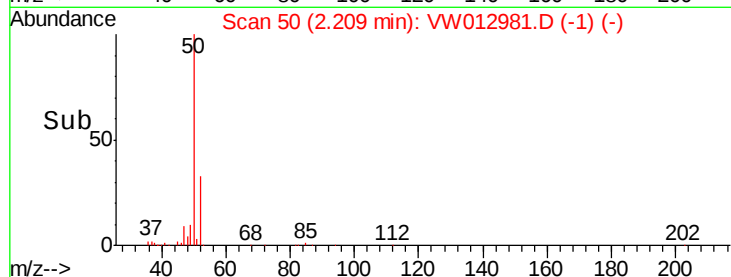
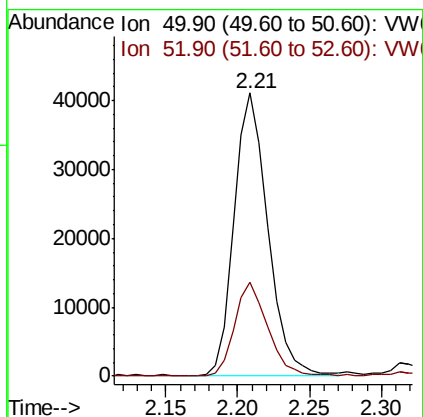
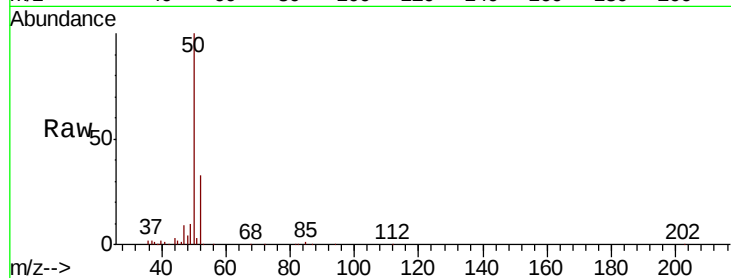
52 33.4 26.6 39.8

Manual Integrations

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9/16/2019 12:43:54 AM



#4

Vinyl Chloride

Concen: 44.590 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW012981.D

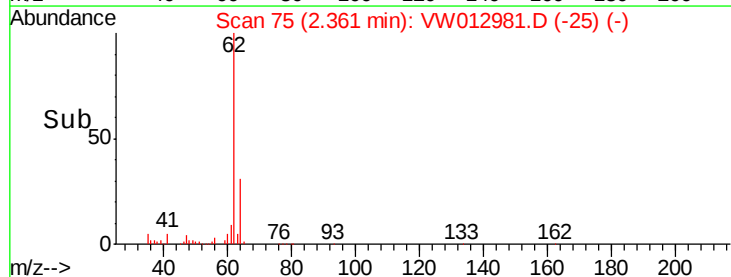
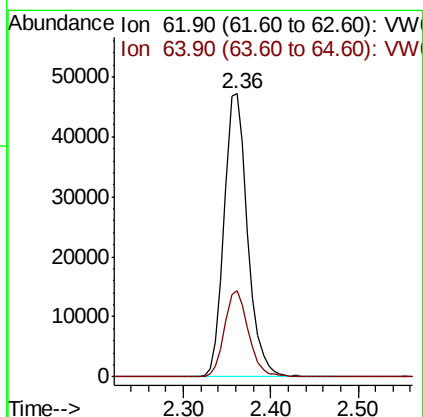
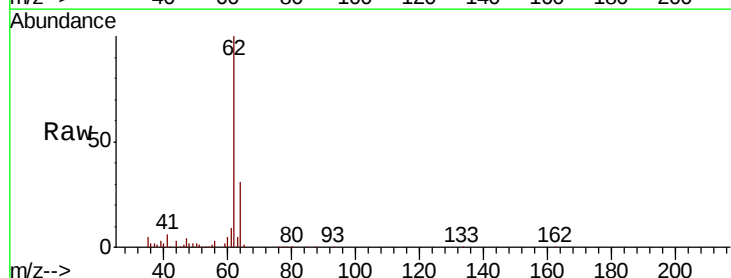
Acq: 14 Sep 2019 03:51

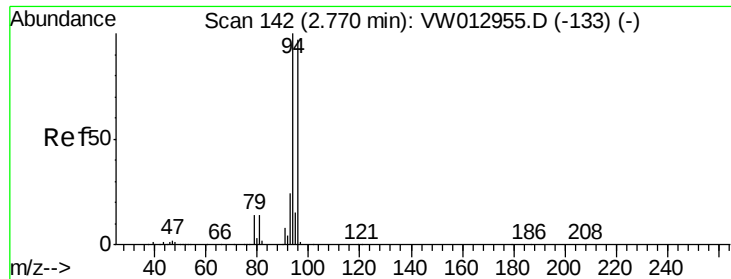
Tgt Ion: 62 Resp: 87850

Ion Ratio Lower Upper

62 100

64 30.5 24.2 36.4





#5

Bromomethane

Concen: 45.690 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 54972

Ion Ratio Lower Upper

94 100

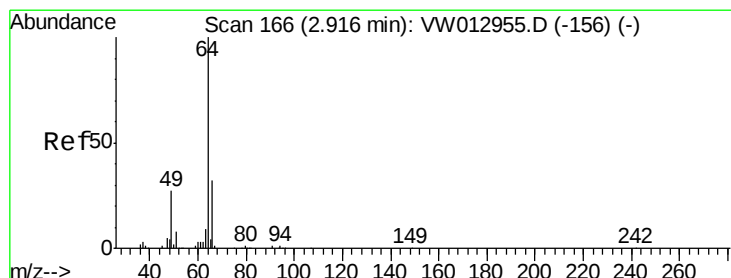
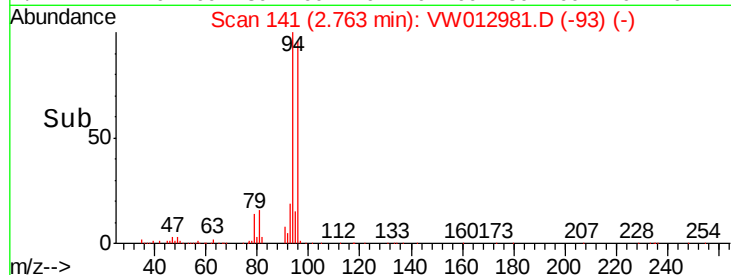
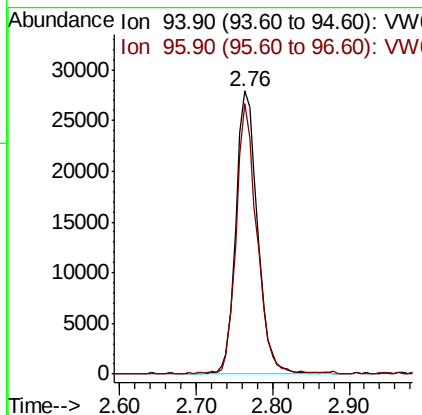
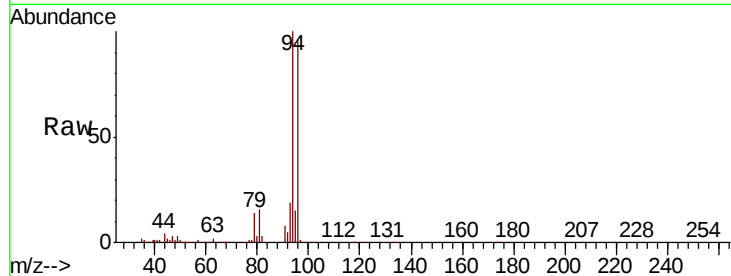
96 95.4 77.8 116.6

Manual Integrations

APPROVED

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9/16/2019 12:43:54 AM



#6

Chloroethane

Concen: 47.913 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012981.D

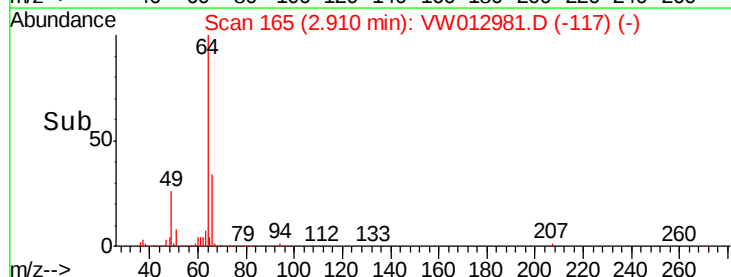
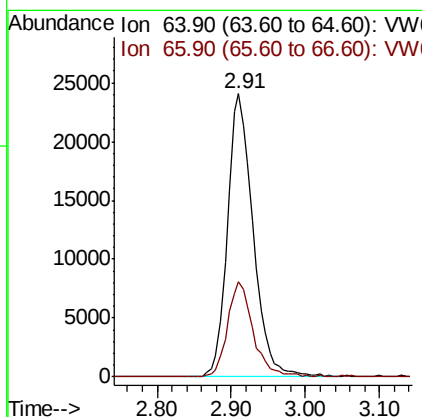
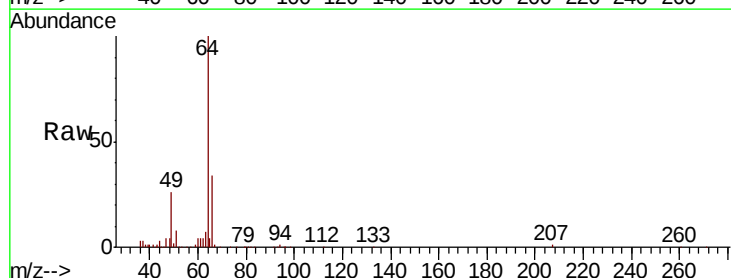
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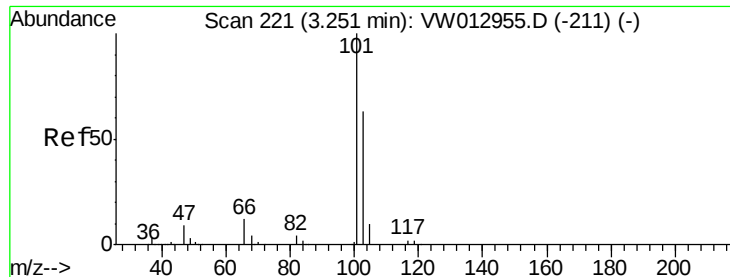
Tgt Ion: 64 Resp: 57895

Ion Ratio Lower Upper

64 100

66 33.6 25.9 38.9





#7

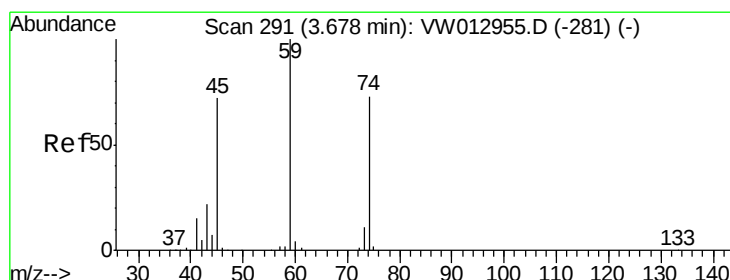
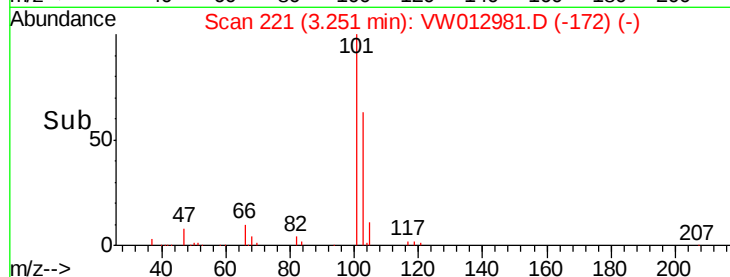
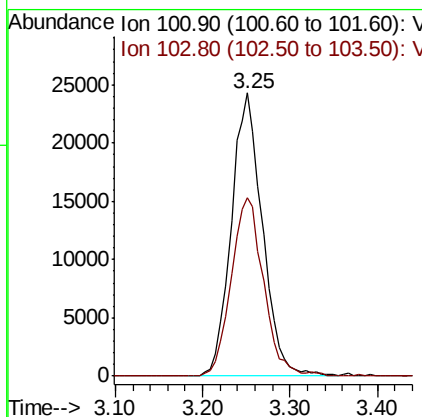
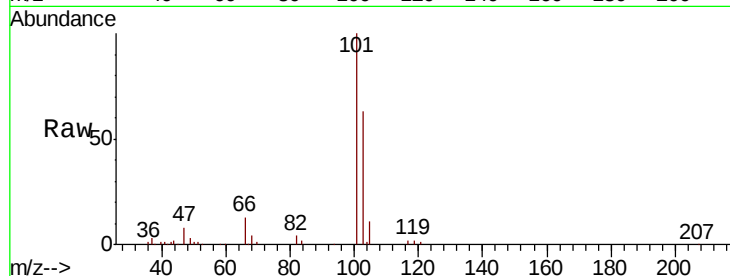
Trichlorofluoromethane  
 Concen: 43.585 ug/l  
 RT: 3.25 min Scan# 221  
 Delta R.T. -0.00 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 63.1  | 50.7  | 76.1  |

Manual Integrations  
 APPROVED

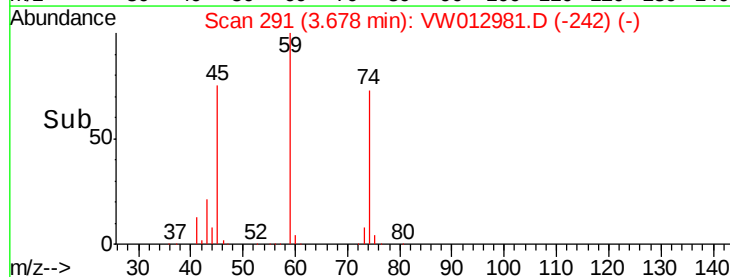
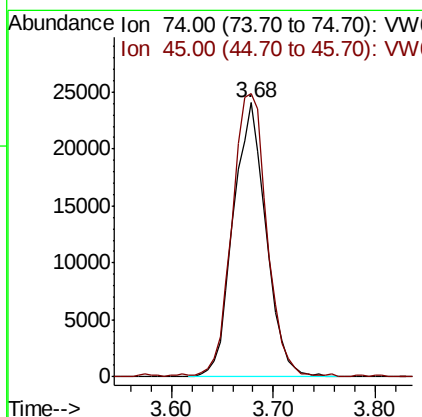
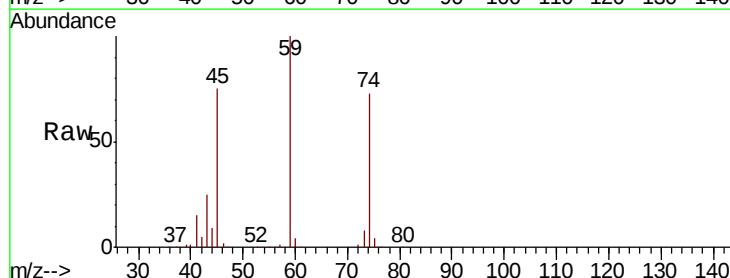
MMDadoda  
 9/16/2019 12:43:54 AM

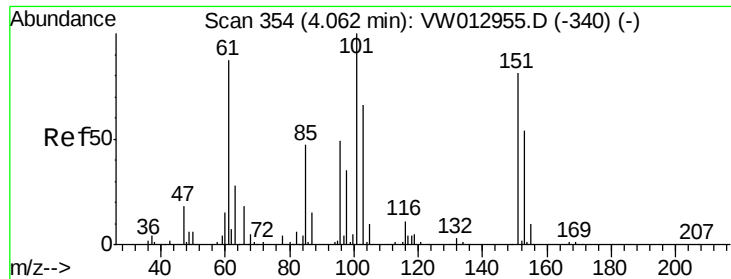


#8

Diethyl Ether  
 Concen: 49.721 ug/l  
 RT: 3.68 min Scan# 291  
 Delta R.T. -0.00 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 107.8 | 53.8  | 161.4 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.112 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA\_W

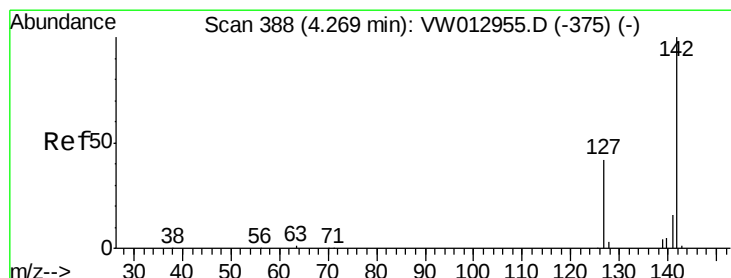
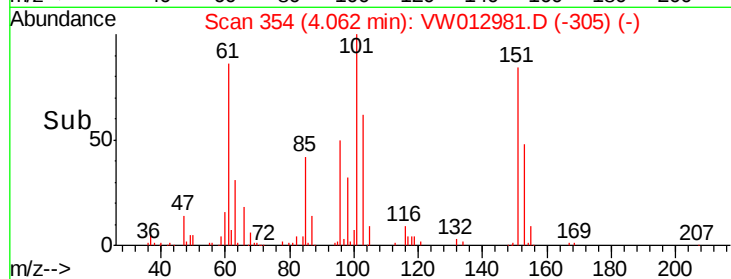
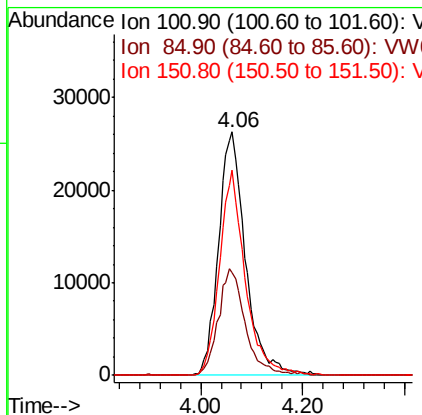
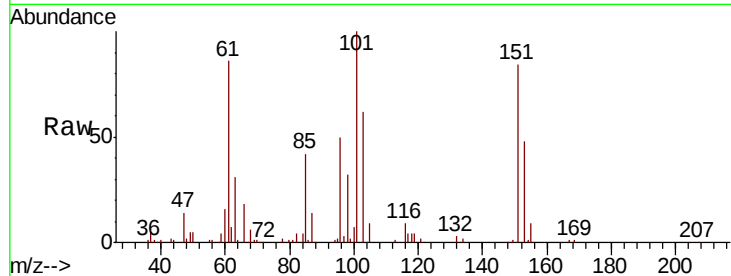
ClientSampleID :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 101   | Resp: | 96354 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.7  | 34.9  | 52.3  |
| 151       | 80.2  | 66.0  | 99.0  |

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9/16/2019 12:43:54 AM



#10

Methyl Iodide

Concen: 49.466 ug/l

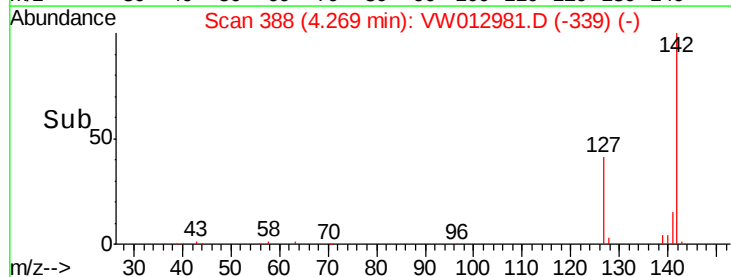
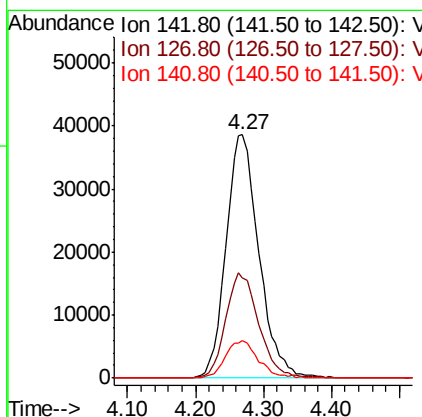
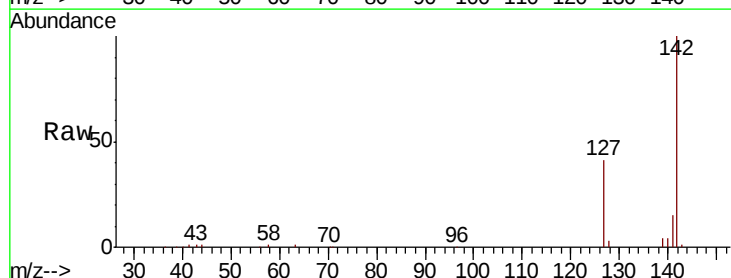
RT: 4.27 min Scan# 388

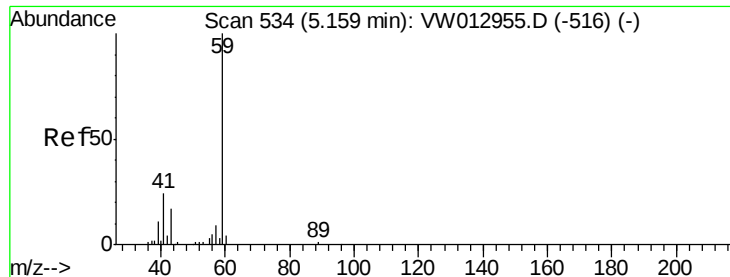
Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 129358 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 43.4  | 34.7  | 52.1   |
| 141       | 15.5  | 12.2  | 18.2   |





#11

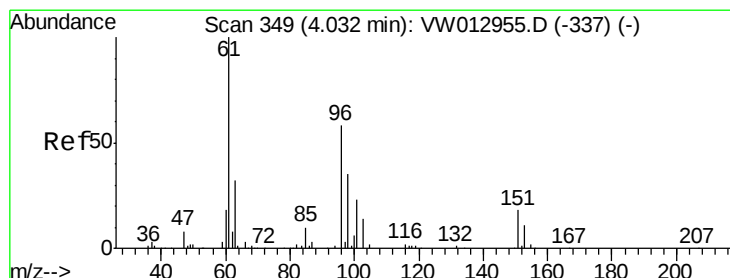
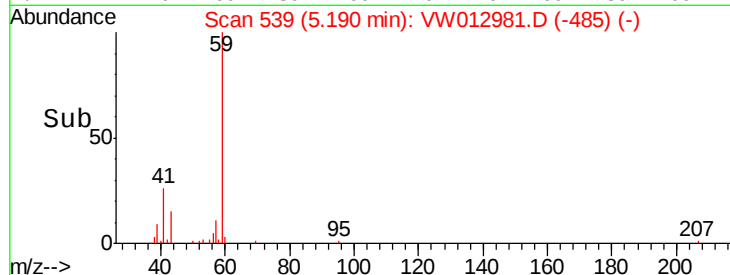
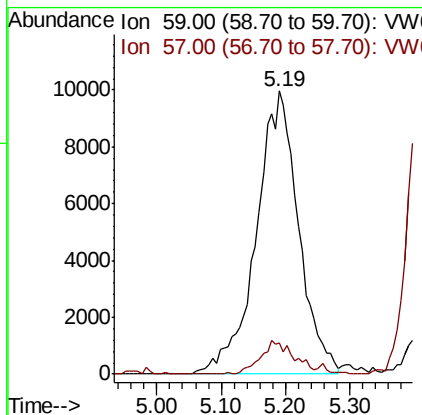
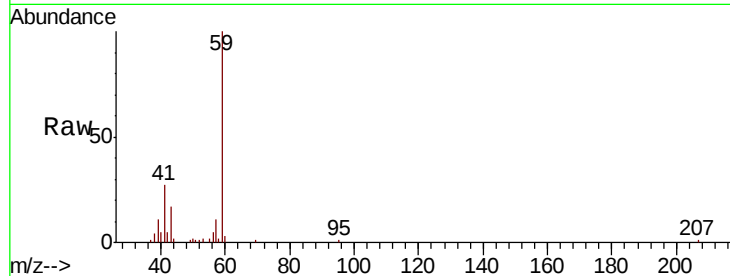
Tert butyl alcohol  
 Concen: 266.581 ug/l  
 RT: 5.19 min Scan# 539  
 Delta R.T. 0.03 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 59      | 100   | 45503 |       |       |
| 57      | 9.1   |       | 8.5   | 12.7  |

Manual Integrations  
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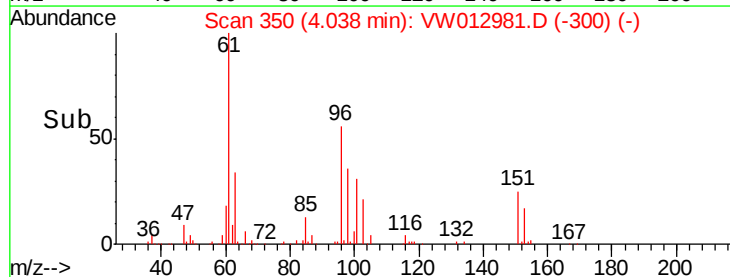
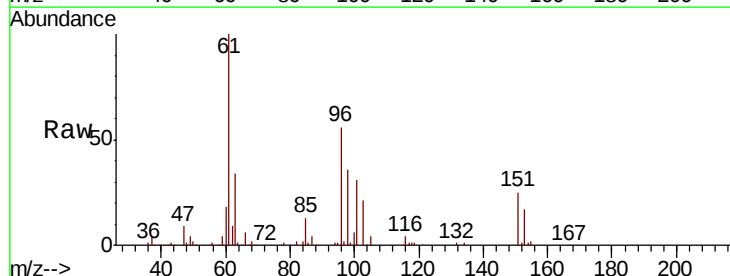
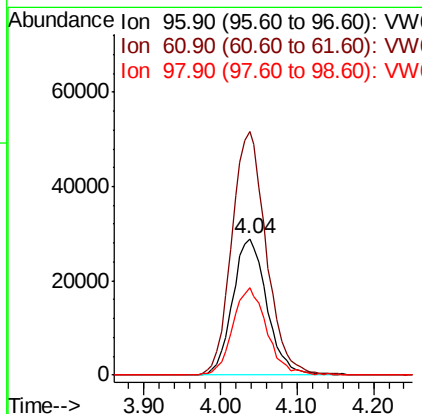
MMDadoda  
 9/16/2019 12:43:54 AM

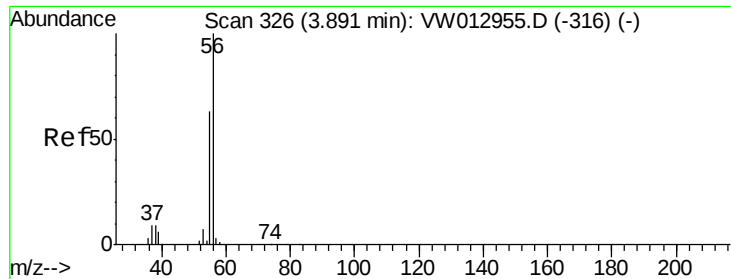


#12

1,1-Dichloroethene  
 Concen: 47.246 ug/l  
 RT: 4.04 min Scan# 350  
 Delta R.T. 0.01 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 89765 |       |       |
| 61      | 178.4 |       | 137.9 | 206.9 |
| 98      | 64.5  |       | 48.9  | 73.3  |





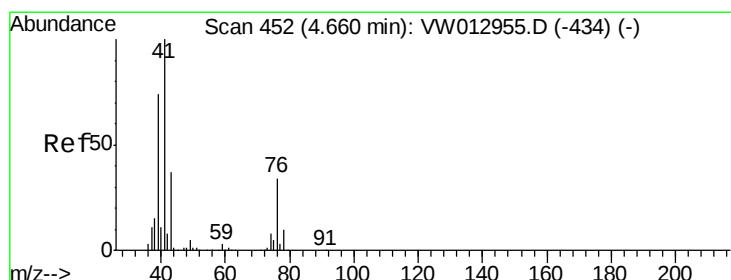
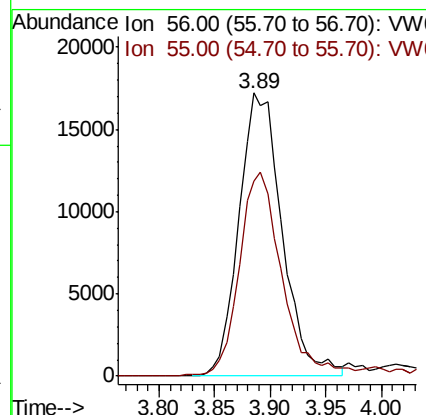
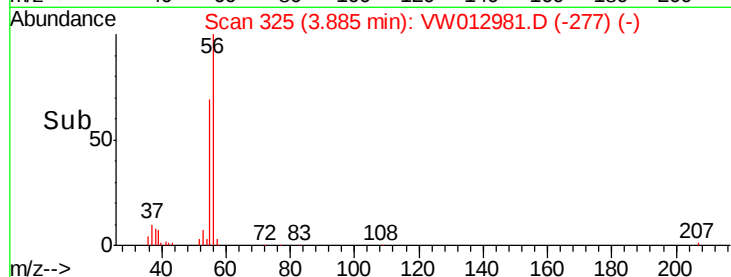
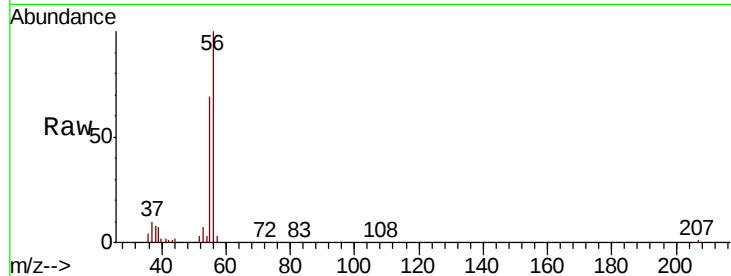
#13  
 Acrolein  
 Concen: 247.762 ug/l  
 RT: 3.89 min Scan# 325  
 Delta R.T. -0.01 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 56 Resp: 46444  
 Ion Ratio Lower Upper  
 56 100  
 55 71.0 55.8 83.8

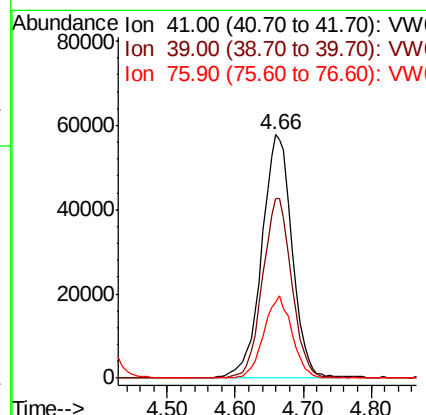
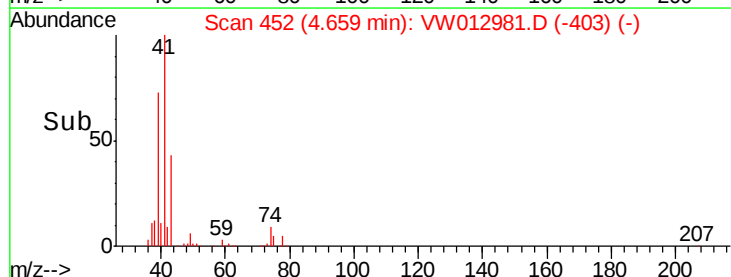
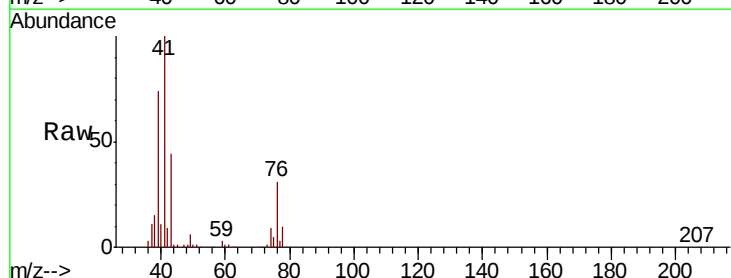
Manual Integrations  
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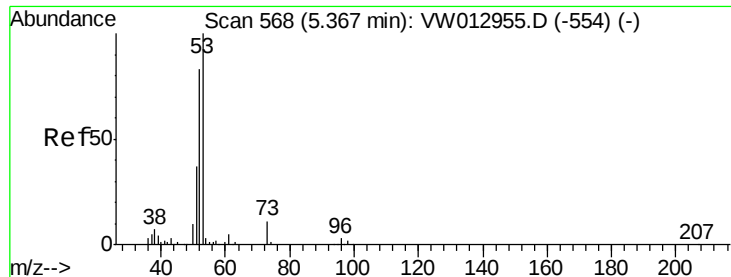
MMDadoda  
 9/16/2019 12:43:54 AM



#14  
 Allyl chloride  
 Concen: 49.767 ug/l  
 RT: 4.66 min Scan# 452  
 Delta R.T. -0.00 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

Tgt Ion: 41 Resp: 179505  
 Ion Ratio Lower Upper  
 41 100  
 39 71.2 56.7 85.1  
 76 31.3 25.1 37.7





#15

Acrylonitrile

Concen: 261.281 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA\_W

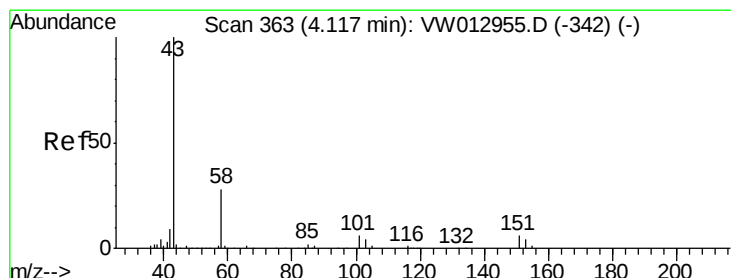
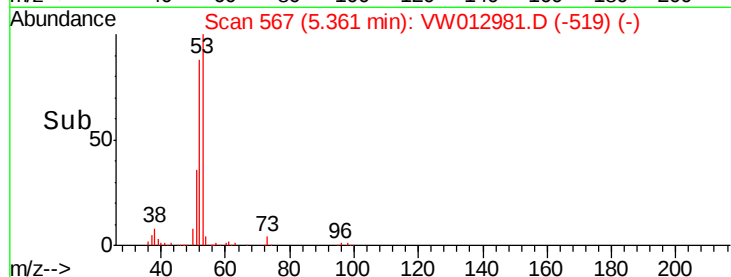
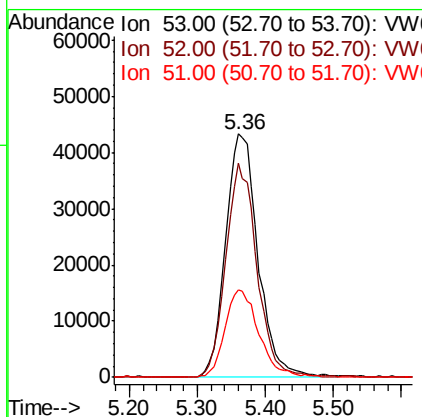
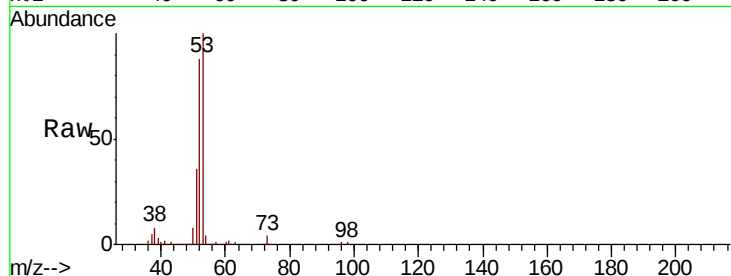
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 53    | Resp: | 143560 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 84.5  | 66.6  | 100.0  |
| 51       | 37.6  | 29.8  | 44.8   |

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#16

Acetone

Concen: 214.750 ug/l

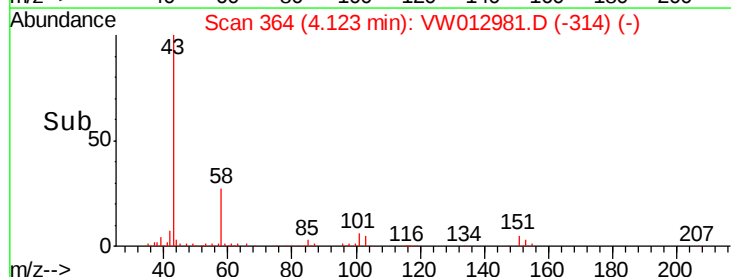
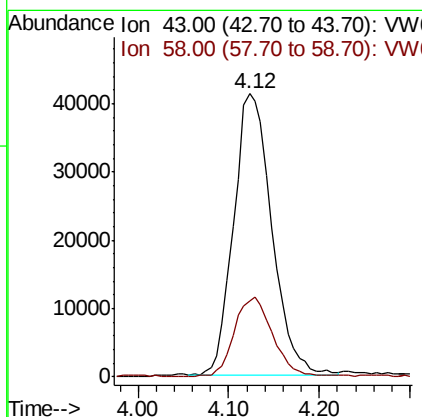
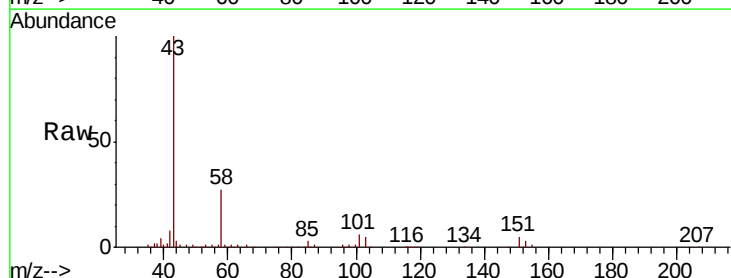
RT: 4.12 min Scan# 364

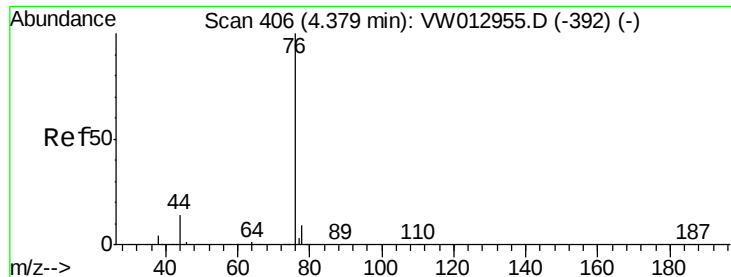
Delta R.T. 0.01 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 119980 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 26.9  | 22.3  | 33.5   |





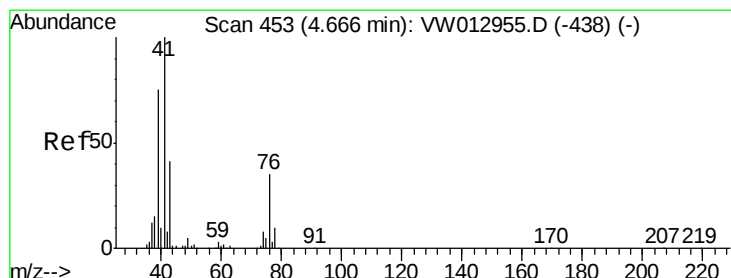
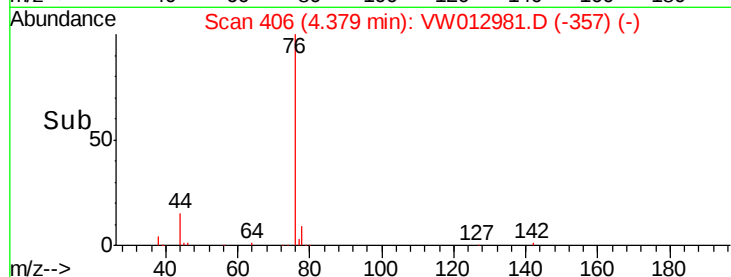
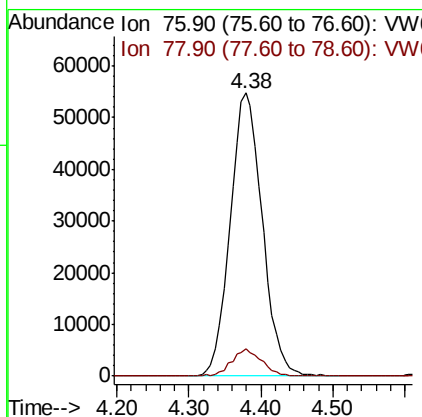
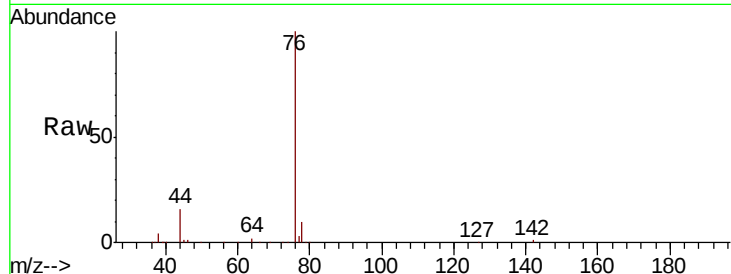
#17  
Carbon Disulfide  
Concen: 44.762 ug/l  
RT: 4.38 min Scan# 406  
Delta R.T. -0.00 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.9   | 7.0   | 10.4  |

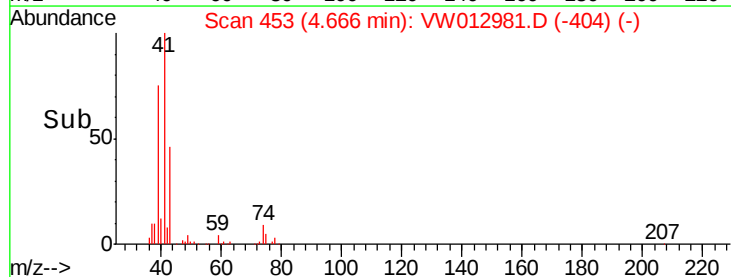
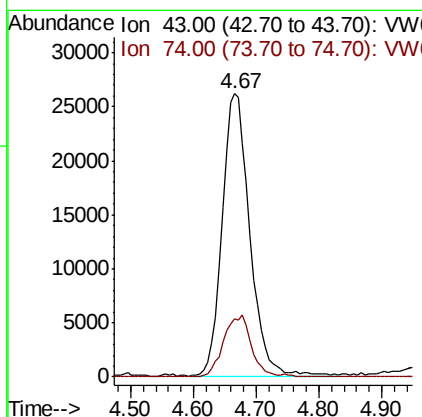
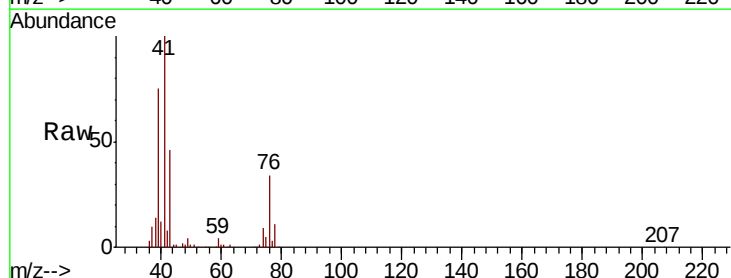
Manual Integrations  
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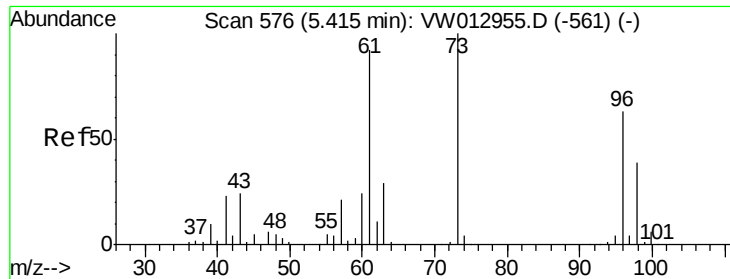
MMDadoda  
9/16/2019 12:43:54 AM



#18  
Methyl Acetate  
Concen: 54.730 ug/l  
RT: 4.67 min Scan# 453  
Delta R.T. -0.00 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 21.9  | 17.8  | 26.8  |





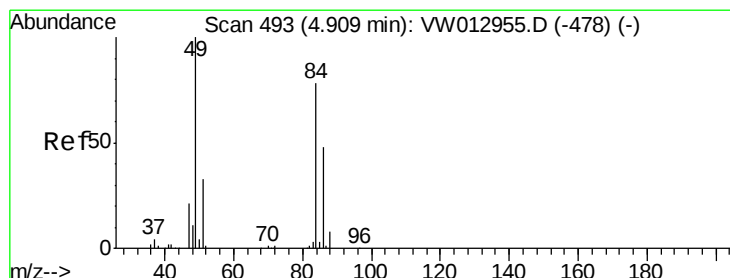
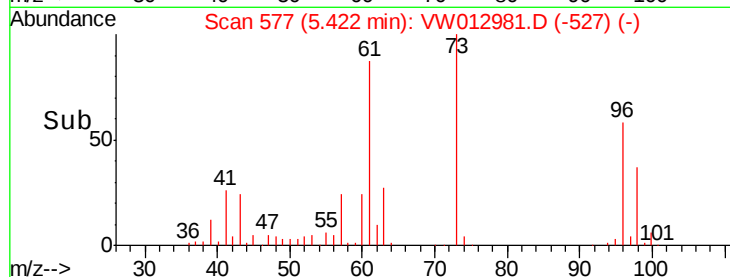
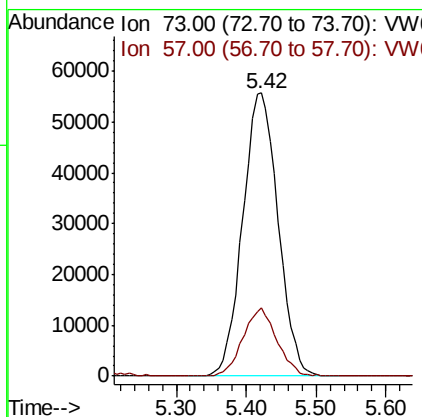
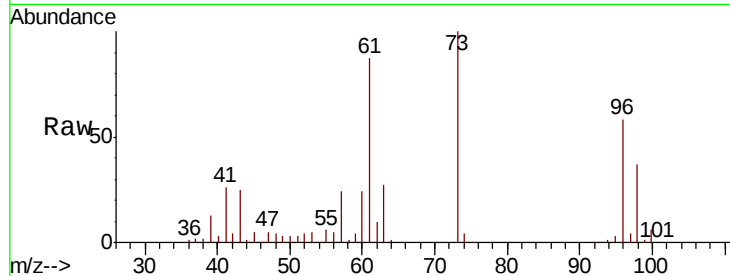
#19  
Methyl tert-butyl Ether  
Concen: 51.992 ug/l  
RT: 5.42 min Scan# 577  
Delta R.T. 0.01 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 73 Resp: 194993  
Ion Ratio Lower Upper  
73 100  
57 24.0 16.4 24.6

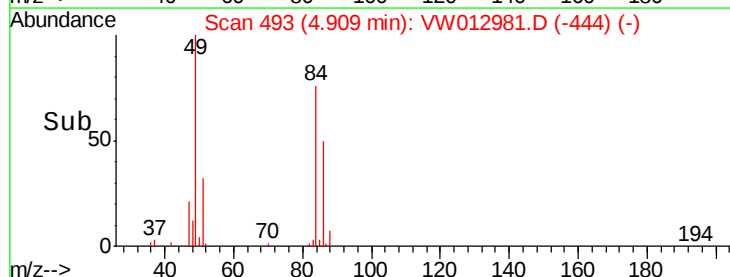
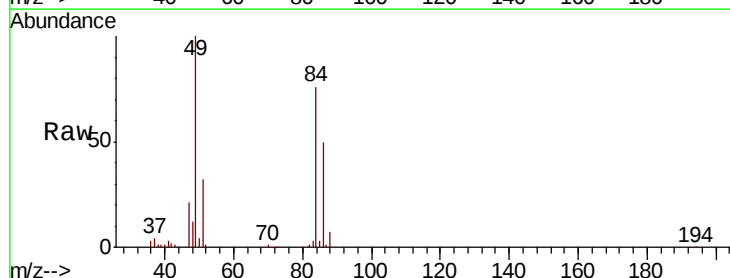
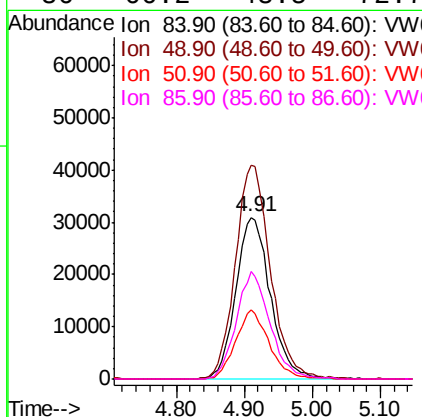
Manual Integrations  
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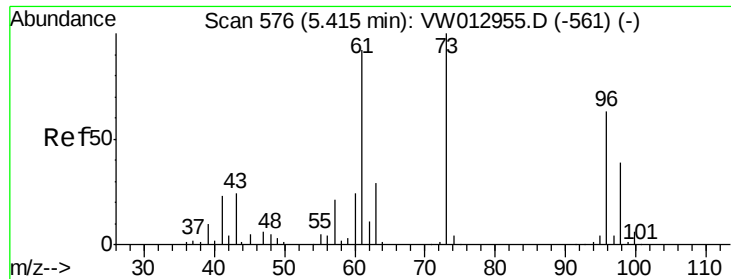
MMDadoda  
9/16/2019 12:43:54 AM



#20  
Methylene Chloride  
Concen: 53.623 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. 0.00 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

Tgt Ion: 84 Resp: 109357  
Ion Ratio Lower Upper  
84 100  
49 131.9 102.0 153.0  
51 42.4 34.0 51.0  
86 66.2 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 48.577 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 98850

Ion Ratio Lower Upper

96 100

61 149.5 116.2 174.2

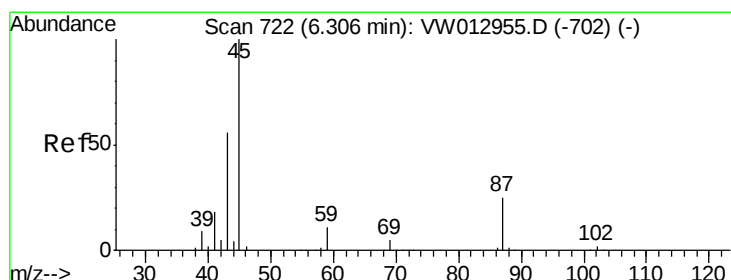
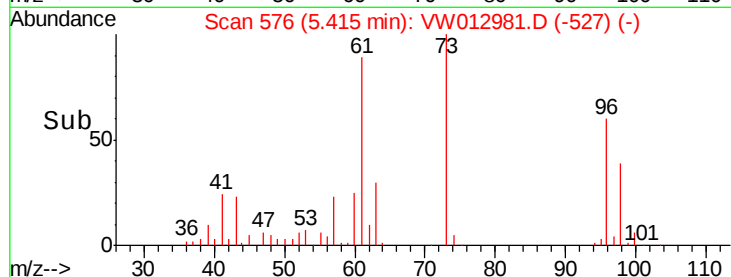
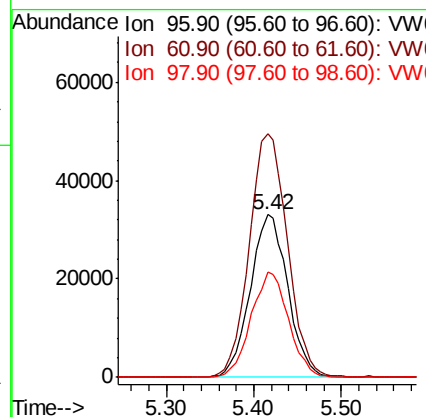
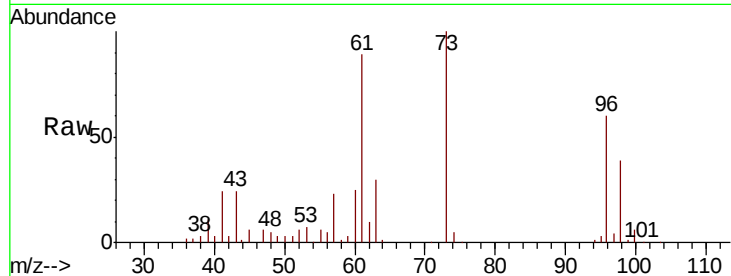
98 64.8 49.8 74.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 52.464 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Tgt Ion: 45 Resp: 393121

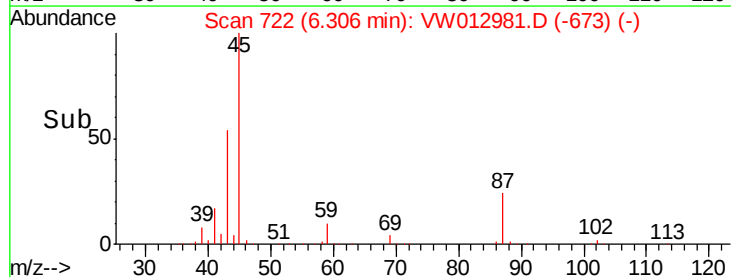
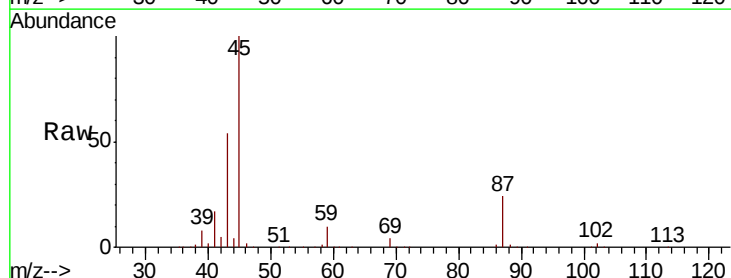
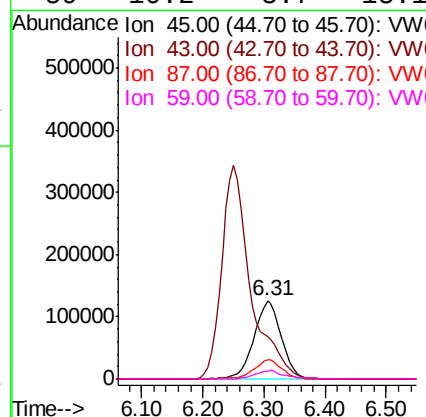
Ion Ratio Lower Upper

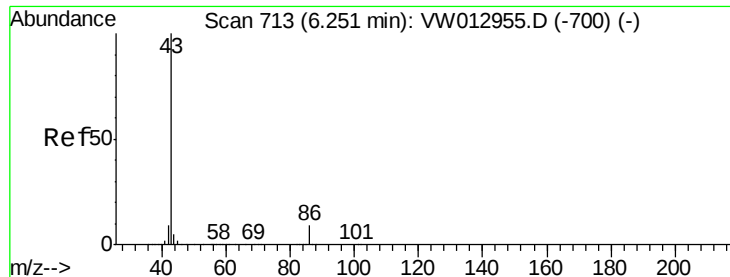
45 100

43 53.8 44.6 67.0

87 23.7 20.0 30.0

59 10.2 8.7 13.1





#23

Vinyl Acetate

Concen: 252.431 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1132896

Ion Ratio Lower Upper

43 100

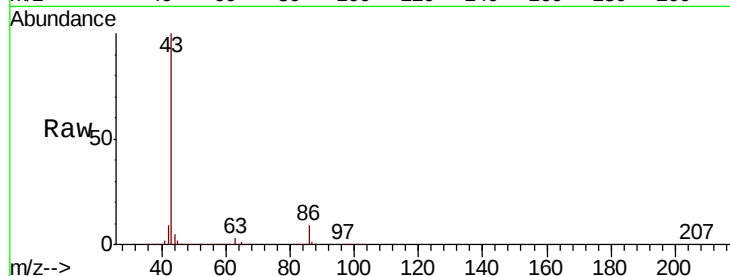
86 9.5 7.0 10.6

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

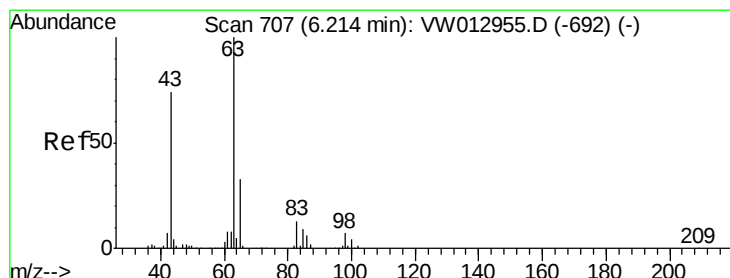
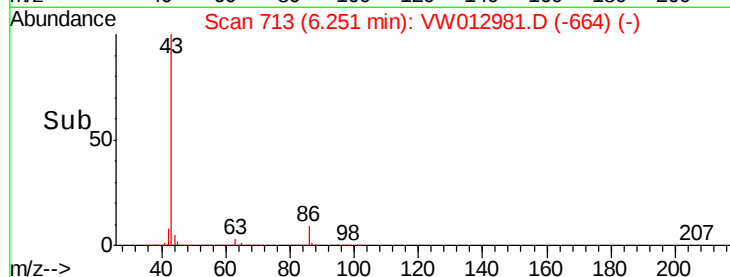
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.430 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

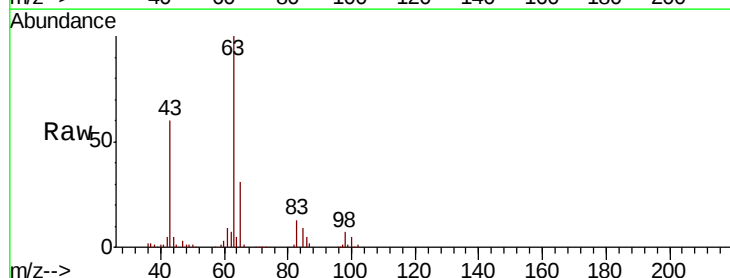
Tgt Ion: 63 Resp: 217874

Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.9

100 4.8 1.8 5.5



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

6.21

80000

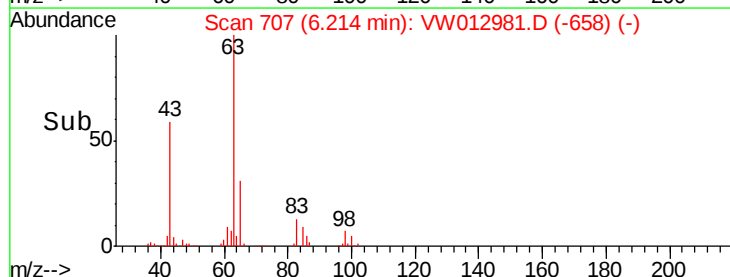
60000

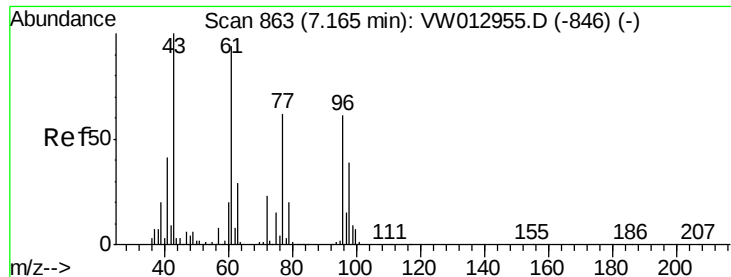
40000

20000

0

Time-->





#25

2-Butanone

Concen: 236.051 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 190810

Ion Ratio Lower Upper

43 100

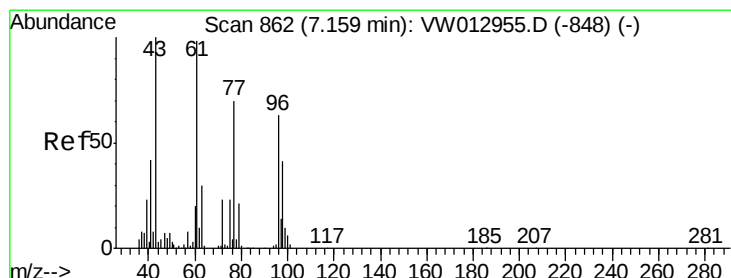
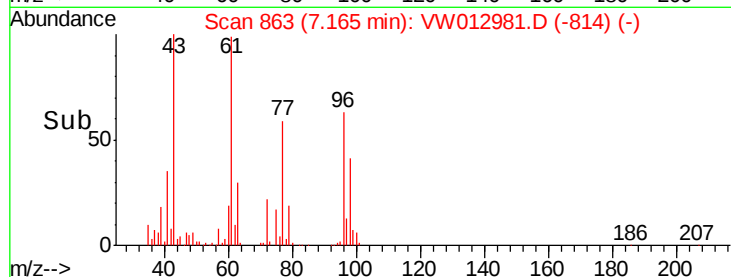
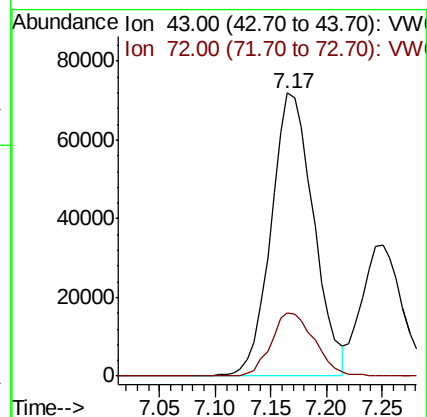
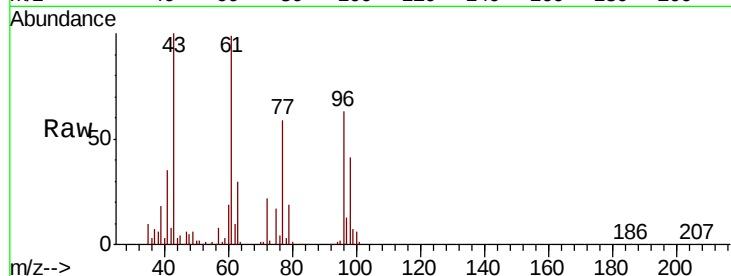
72 22.4 18.2 27.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.101 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW012981.D

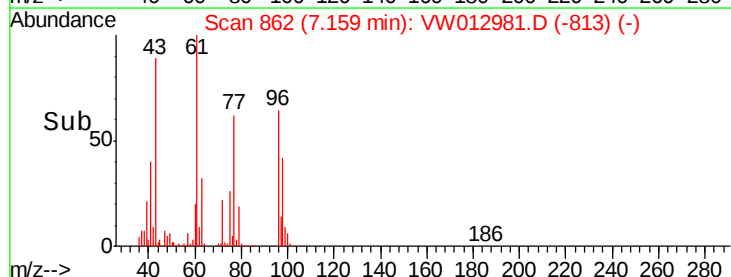
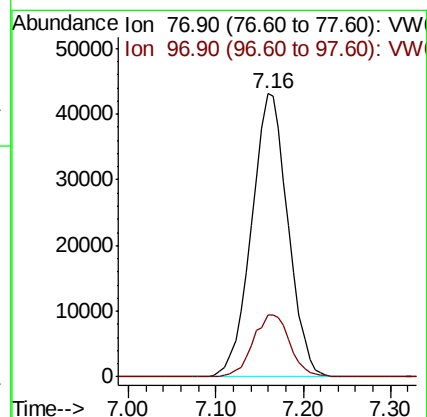
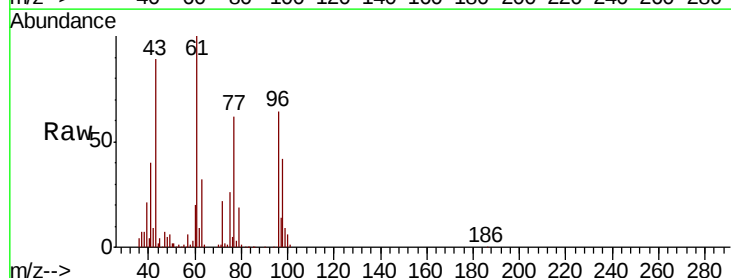
Acq: 14 Sep 2019 03:51

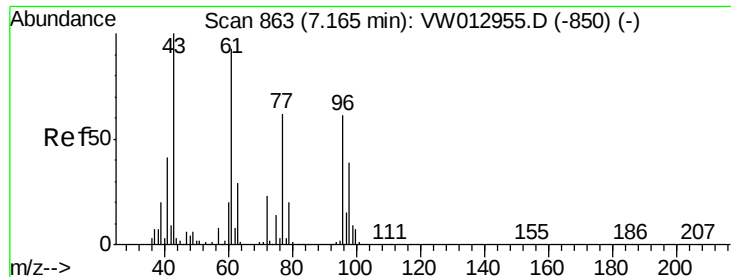
Tgt Ion: 77 Resp: 124824

Ion Ratio Lower Upper

77 100

97 22.2 10.7 32.1





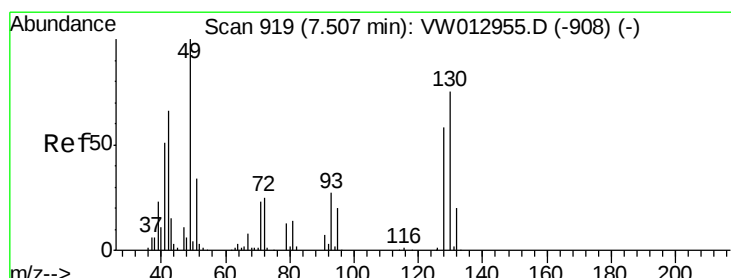
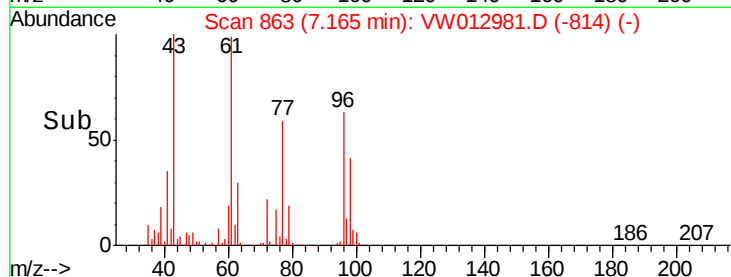
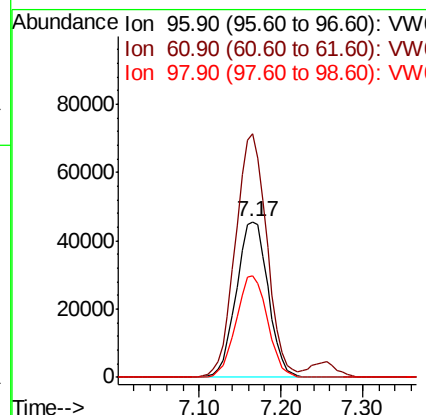
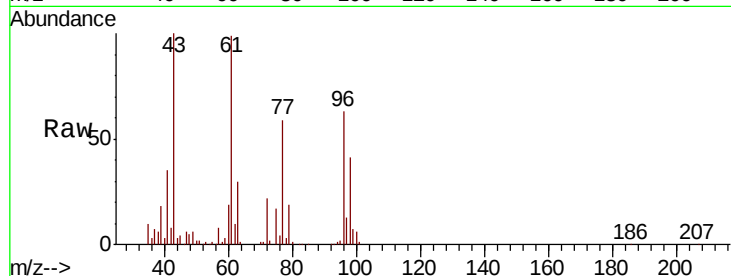
#27  
 cis-1,2-Dichloroethene  
 Concen: 50.440 ug/l  
 RT: 7.17 min Scan# 863  
 Delta R.T. -0.00 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 122884 |       |       |
| 61      | 154.2 | 0.0    | 315.4 |       |
| 98      | 64.5  | 0.0    | 131.0 |       |

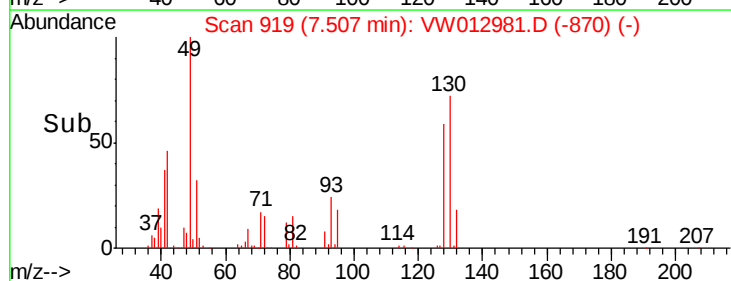
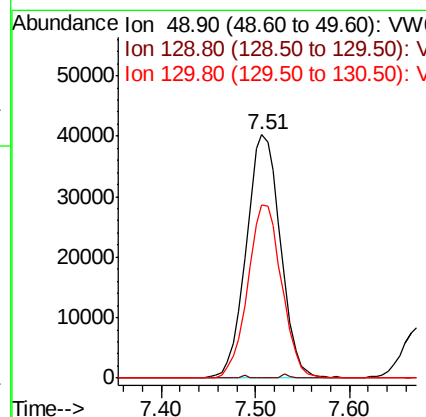
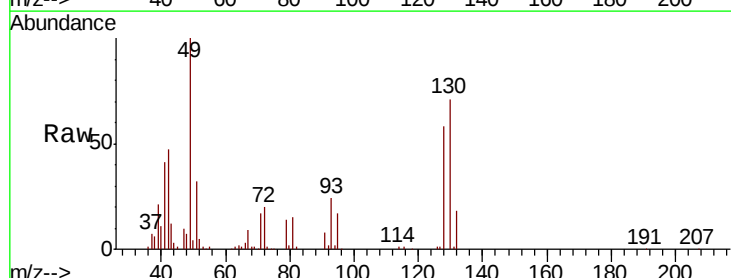
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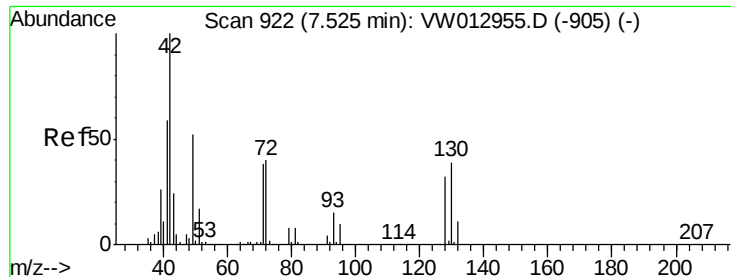
MMDadoda  
 9/16/2019 12:43:54 AM



#28  
 Bromochloromethane  
 Concen: 56.431 ug/l  
 RT: 7.51 min Scan# 919  
 Delta R.T. -0.00 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 102614 |       |       |
| 129     | 0.2   | 0.0    | 1.4   |       |
| 130     | 70.6  | 57.8   | 86.6  |       |





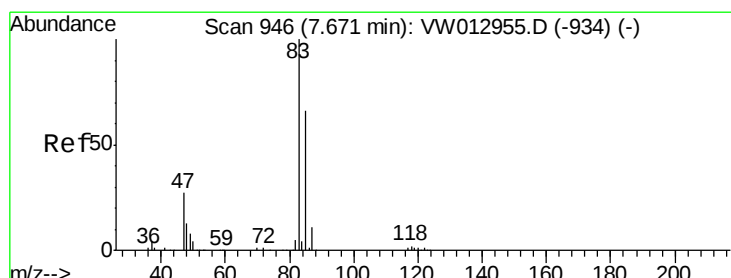
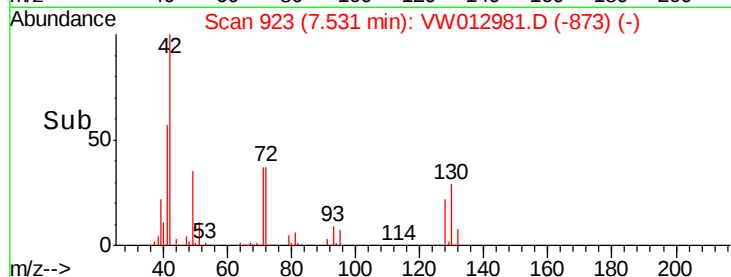
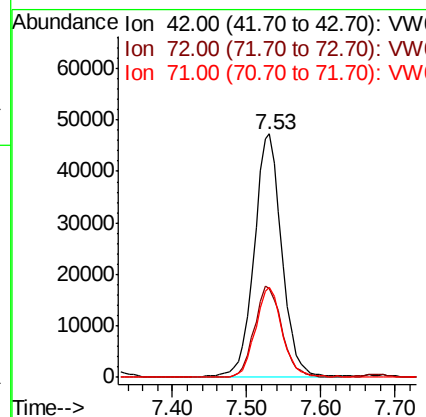
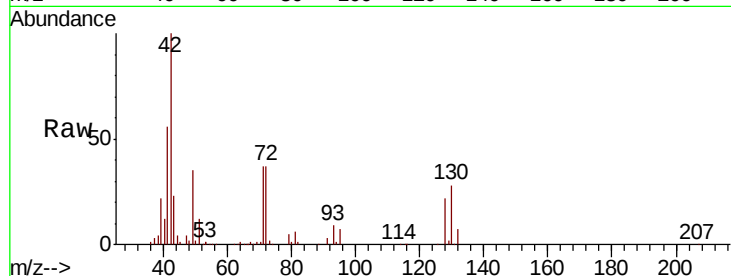
#29  
Tetrahydrofuran  
Concen: 268.429 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. 0.01 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 37.3  | 31.4  | 47.0  |
| 71      | 35.6  | 29.8  | 44.8  |

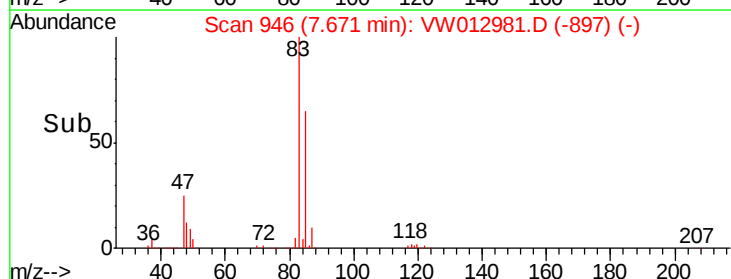
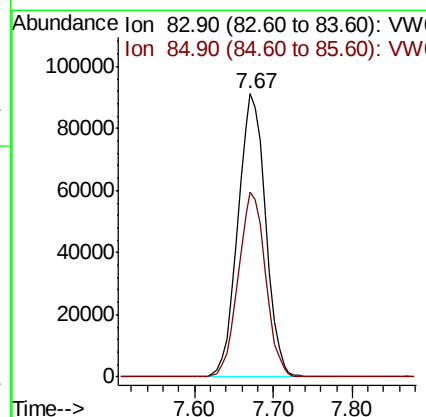
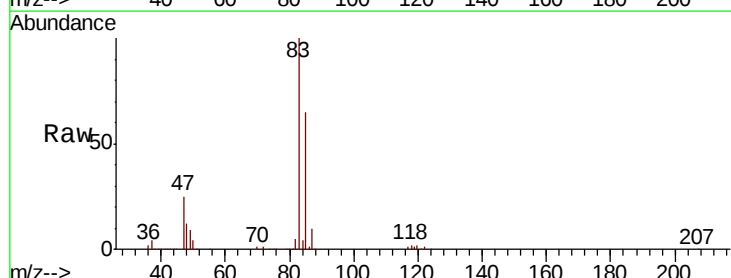
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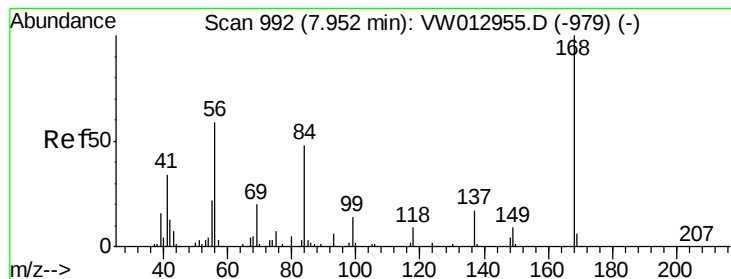
MMDadoda  
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#30  
Chloroform  
Concen: 50.489 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. -0.00 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.2  | 52.8  | 79.2  |





#31

Cyclohexane

Concen: 48.868 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA\_W

ClientSampleID :

VSTDCCC050EC

Tgt Ion: 56 Resp: 158797  
Ion Ratio Lower Upper

56 100

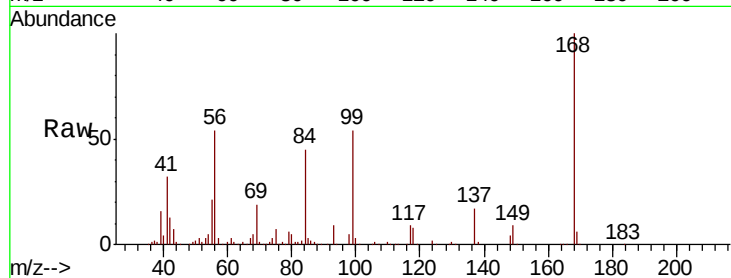
69 34.2 27.0 40.6

84 82.1 66.2 99.2

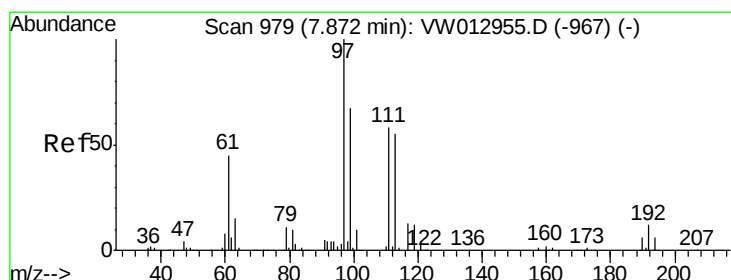
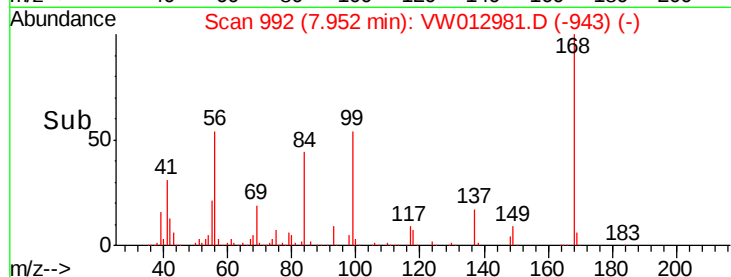
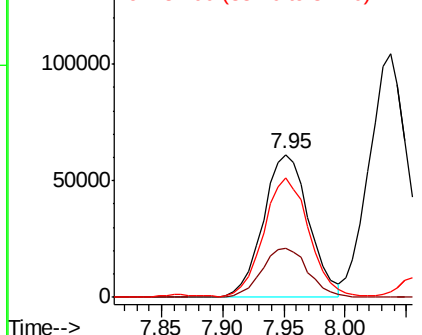
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Abundance Ion 56.00 (55.70 to 56.70): VW  
Ion 69.00 (68.70 to 69.70): VW  
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 48.055 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012981.D

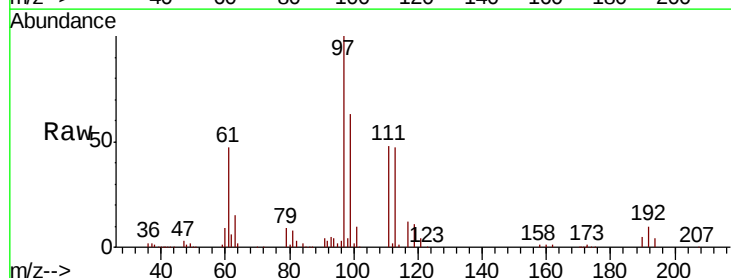
Acq: 14 Sep 2019 03:51

Tgt Ion: 97 Resp: 173721  
Ion Ratio Lower Upper

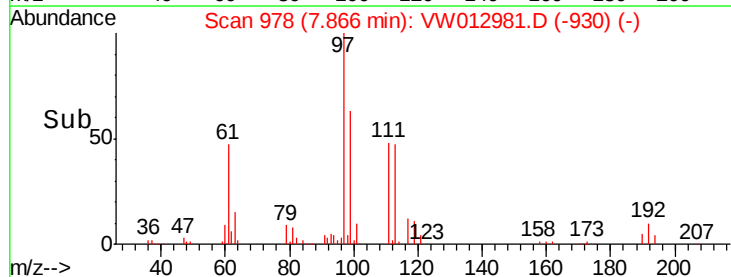
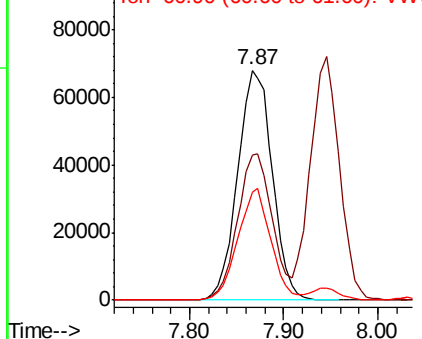
97 100

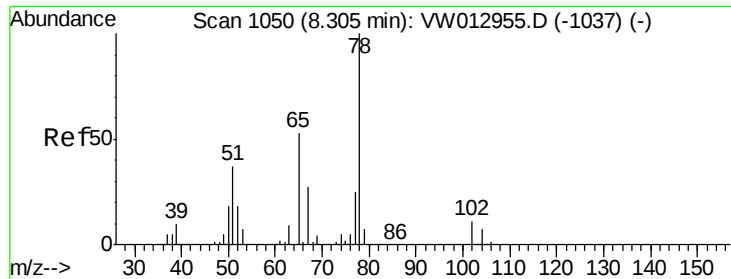
99 64.3 53.0 79.4

61 46.0 36.5 54.7



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





#33

1,2-Dichloroethane-d4

Concen: 57.491 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 65 Resp: 146150

Ion Ratio Lower Upper

65 100

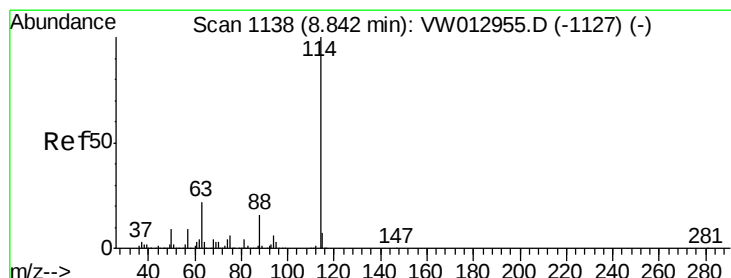
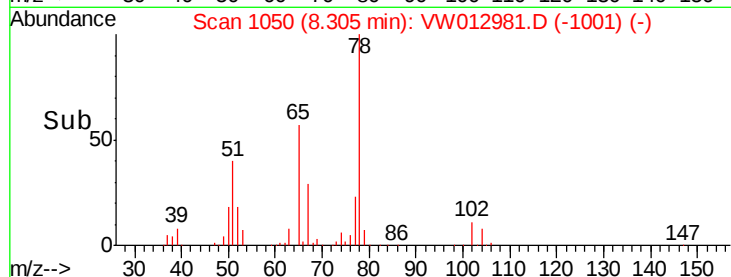
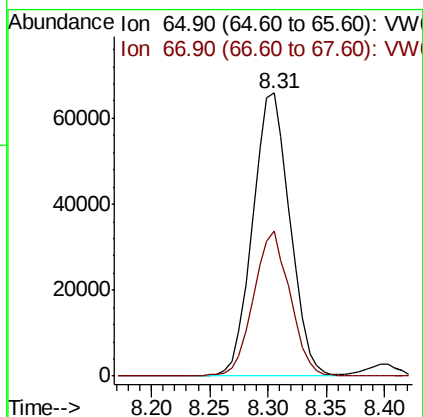
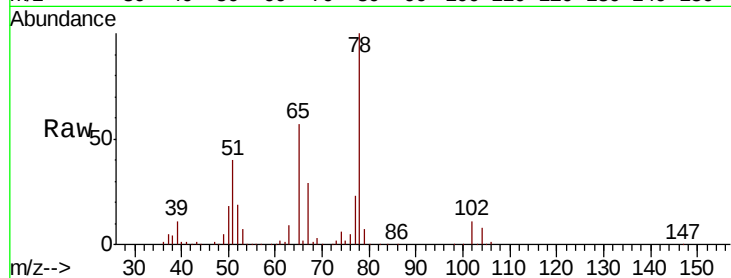
67 50.3 0.0 101.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

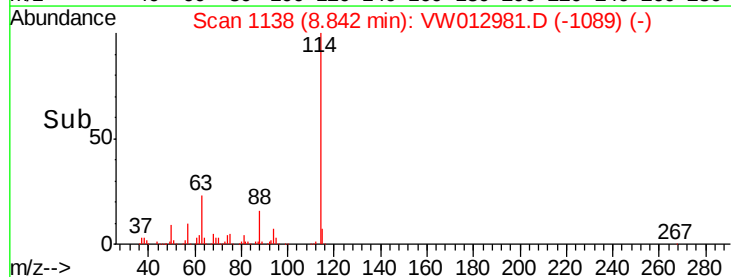
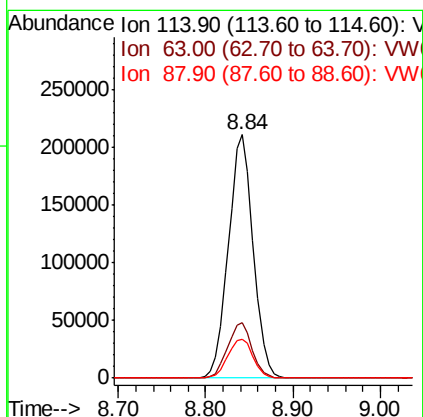
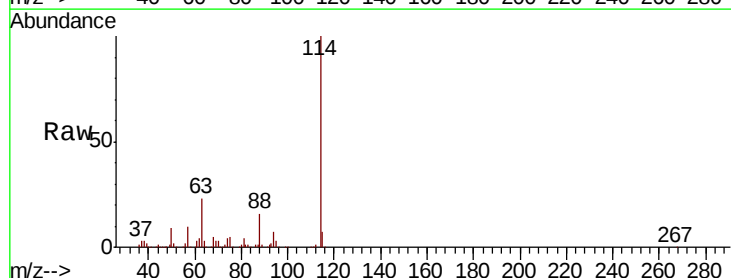
Tgt Ion: 114 Resp: 414598

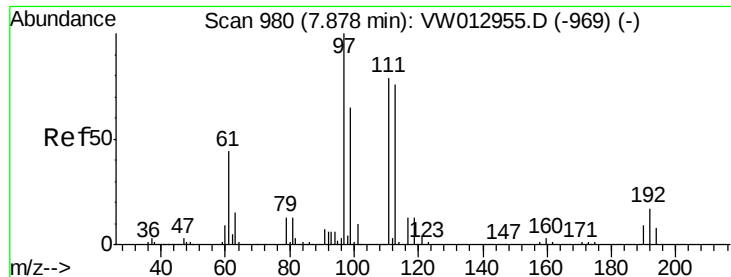
Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.4

88 15.9 0.0 31.6





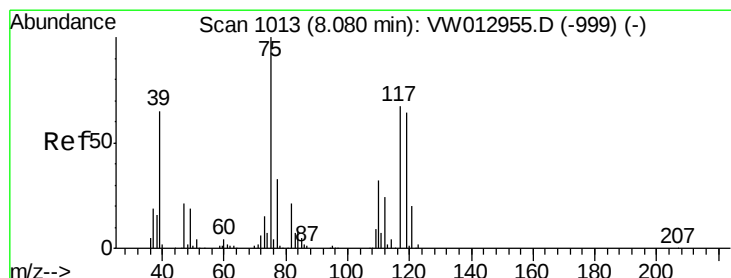
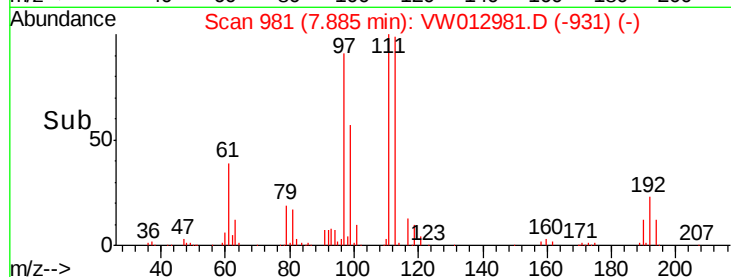
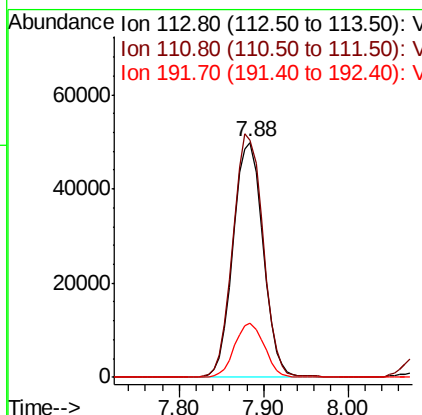
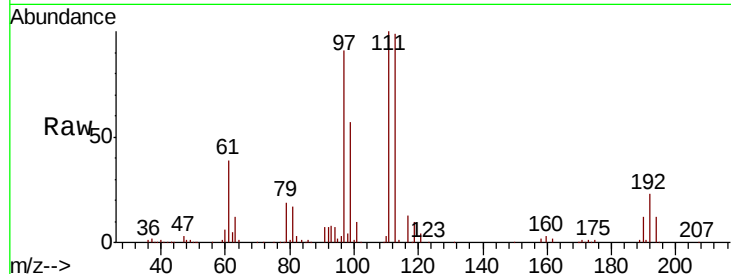
#35  
 Dibromofluoromethane  
 Concen: 53.471 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.01 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 120292 |       |       |
| 111     | 103.8 | 82.8   | 124.2 |       |
| 192     | 22.6  | 17.8   | 26.8  |       |

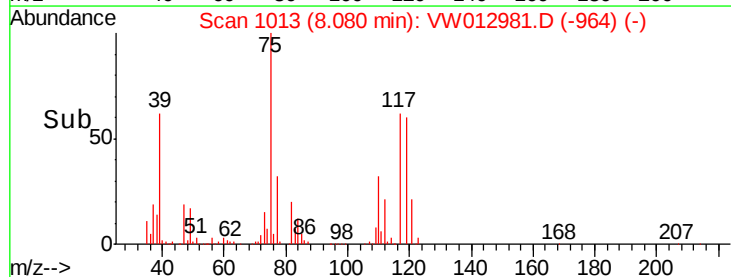
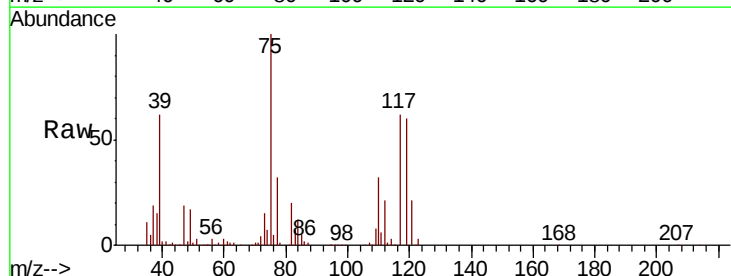
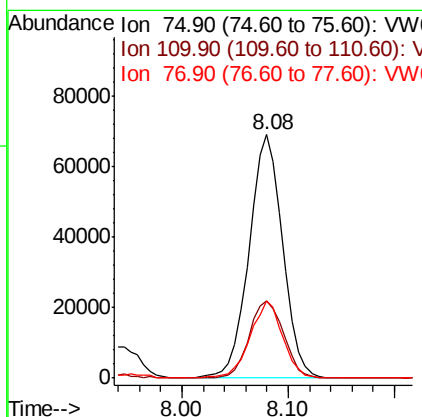
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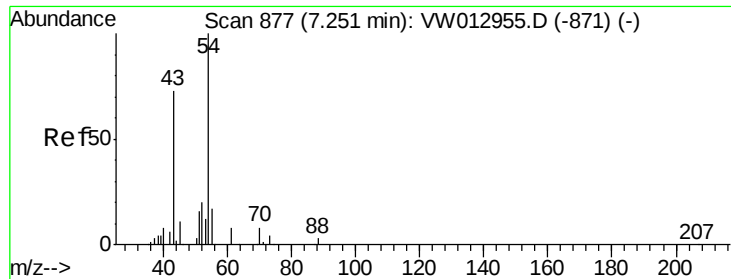
MMDadoda  
 9/16/2019 12:43:54 AM



#36  
 1,1-Dichloropropene  
 Concen: 45.959 ug/l  
 RT: 8.08 min Scan# 1013  
 Delta R.T. -0.00 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 152261 |       |       |
| 110     | 32.5  | 16.4   | 49.1  |       |
| 77      | 31.0  | 25.1   | 37.7  |       |





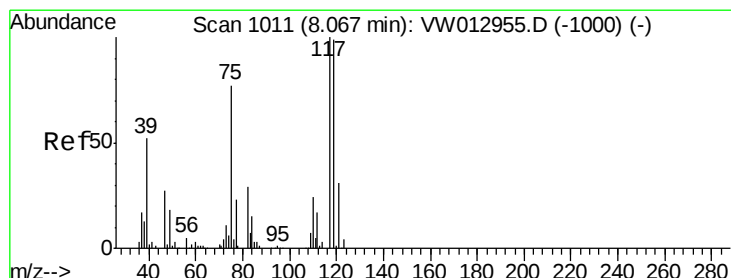
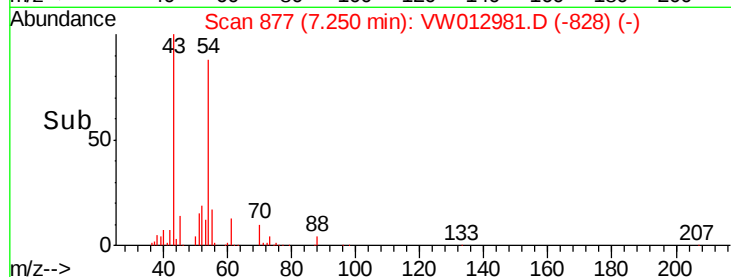
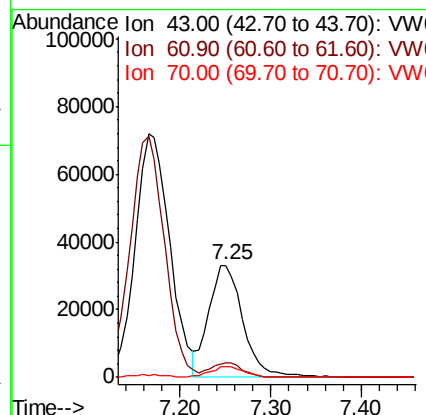
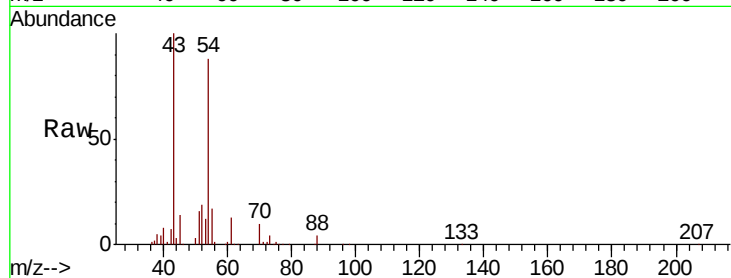
#37  
Ethyl Acetate  
Concen: 49.235 ug/l  
RT: 7.25 min Scan# 877  
Delta R.T. -0.00 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

Instrument :  
MSVOA\_W  
ClientSampleID :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 12.8  | 9.6   | 14.4  |
| 70      | 9.5   | 7.6   | 11.4  |

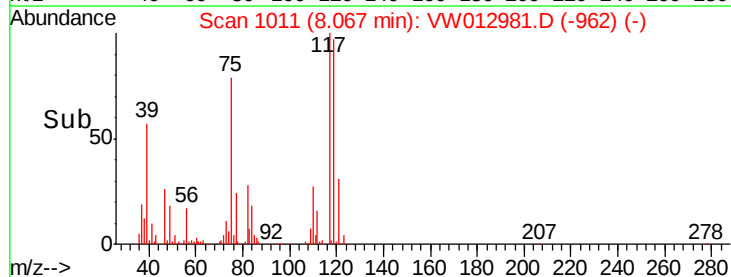
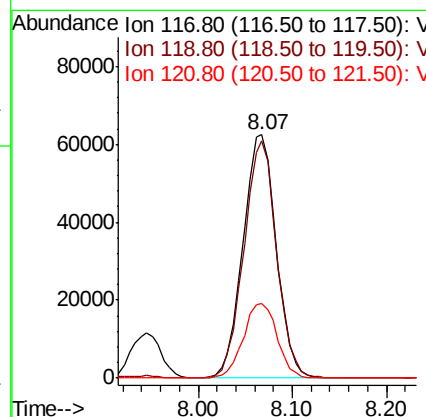
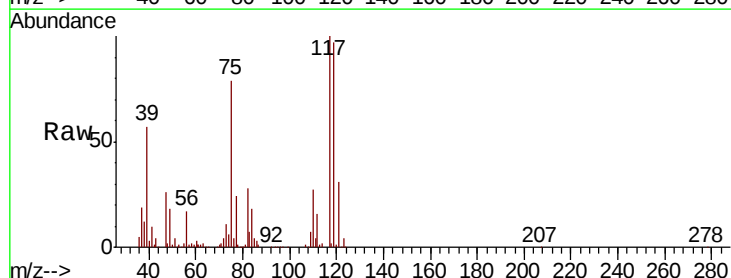
Manual Integrations  
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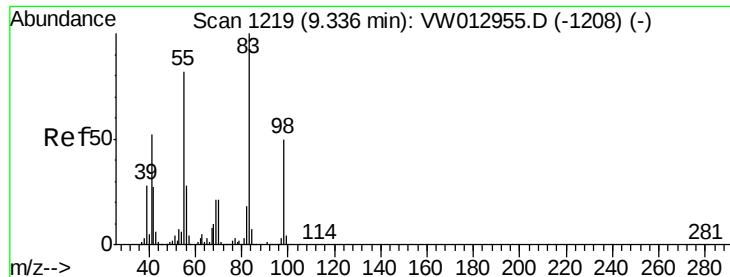
MMDadoda  
9/16/2019 12:43:54 AM



#38  
Carbon Tetrachloride  
Concen: 45.517 ug/l  
RT: 8.07 min Scan# 1011  
Delta R.T. -0.00 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.2  | 79.4  | 119.0 |
| 121     | 30.7  | 24.6  | 36.8  |





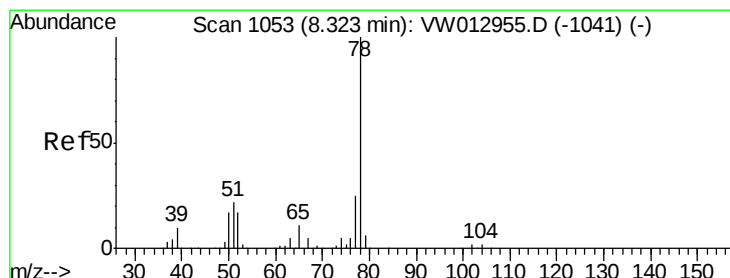
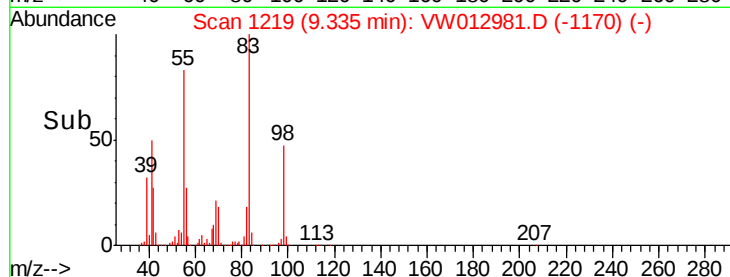
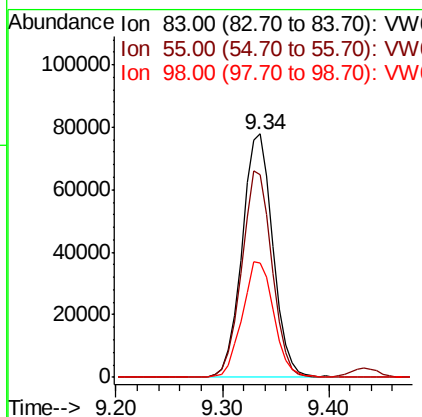
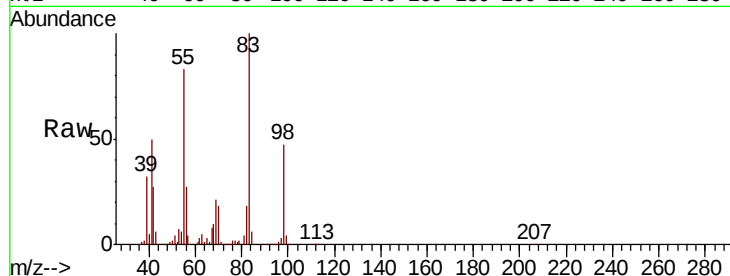
#39  
Methylcyclohexane  
Concen: 43.668 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 158528 |       |       |
| 55      | 83.1  | 65.9   | 98.9  |       |
| 98      | 47.2  | 39.6   | 59.4  |       |

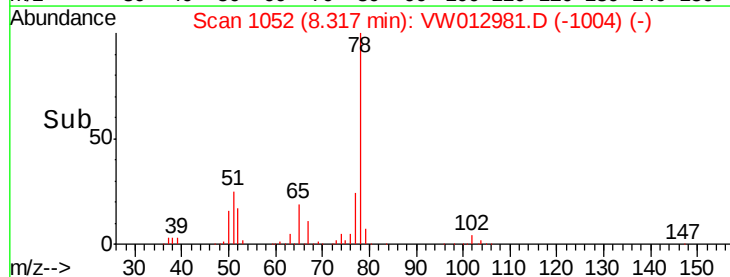
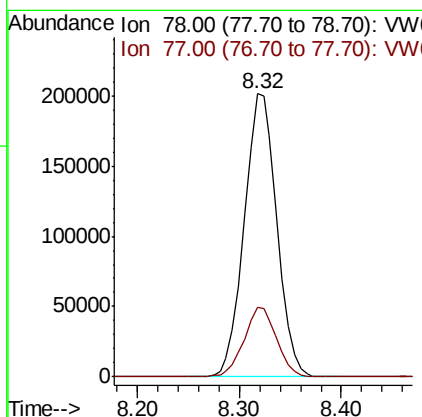
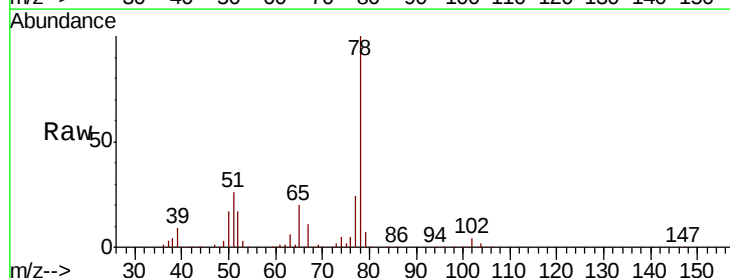
Manual Integrations  
APPROVED

MMDadoda  
9/16/2019 12:43:54 AM



#40  
Benzene  
Concen: 48.366 ug/l  
RT: 8.32 min Scan# 1052  
Delta R.T. -0.01 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 447324 |       |       |
| 77      | 24.4  | 19.6   | 29.4  |       |





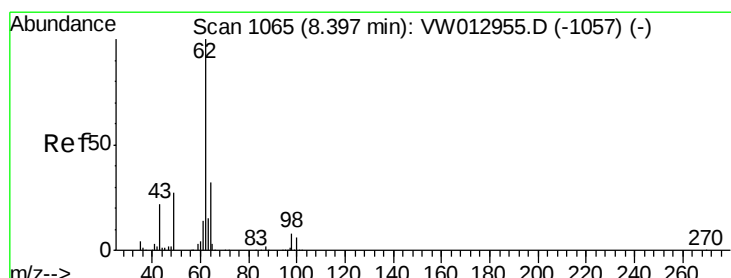
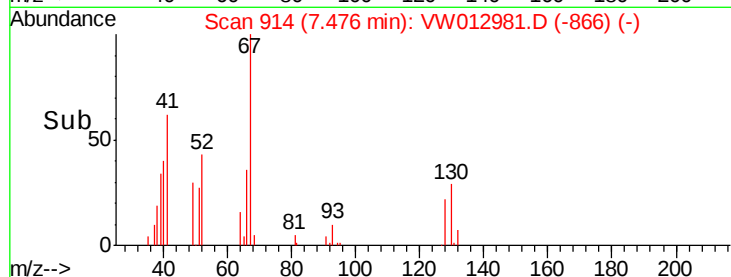
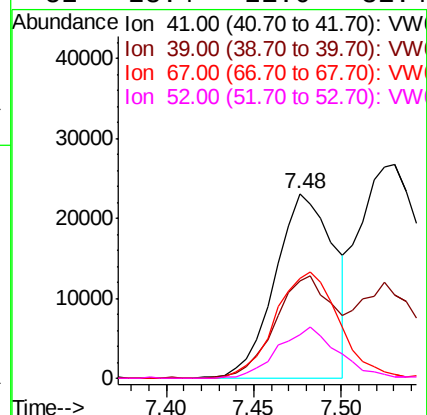
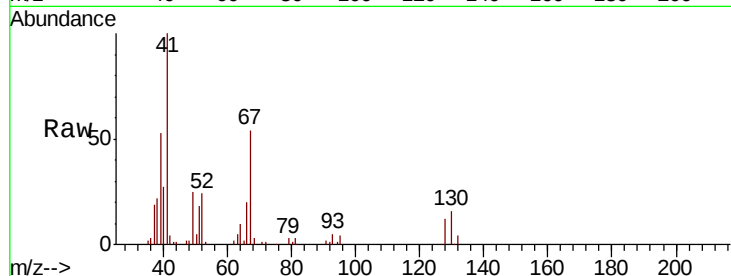
#41  
Methacrylonitrile  
Concen: 46.992 ug/l  
RT: 7.48 min Scan# 914  
Delta R.T. -0.01 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 54.7  | 48.2  | 72.4  |
| 67      | 62.9  | 47.5  | 71.3  |
| 52      | 28.4  | 21.0  | 31.4  |

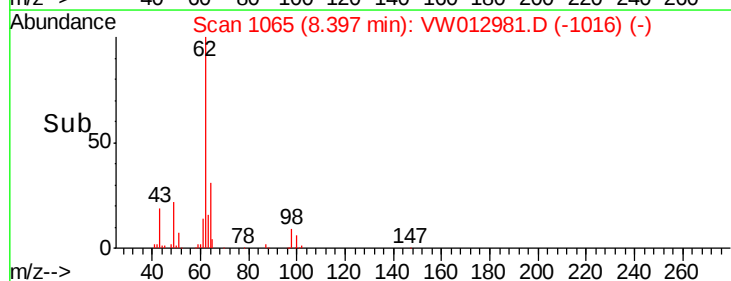
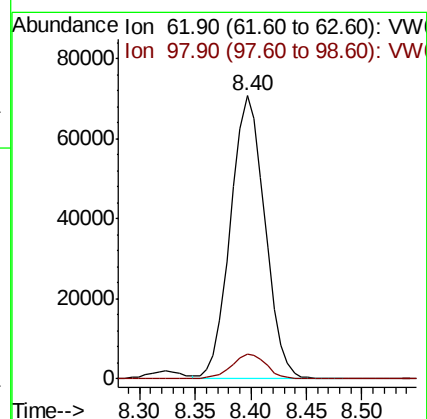
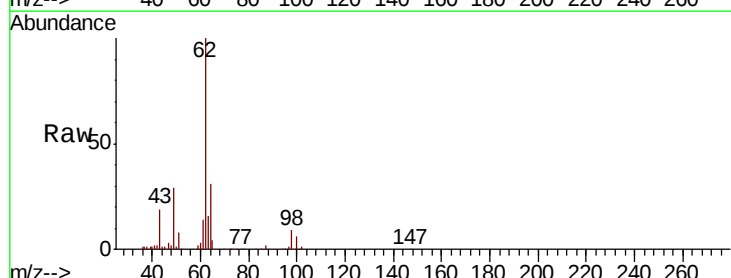
Manual Integrations  
APPROVED

MMDadoda  
9/16/2019 12:43:54 AM



#42  
1,2-Dichloroethane  
Concen: 49.088 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. -0.00 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 8.7   | 0.0   | 16.8  |





#43

Isopropyl Acetate

Concen: 49.461 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA\_W

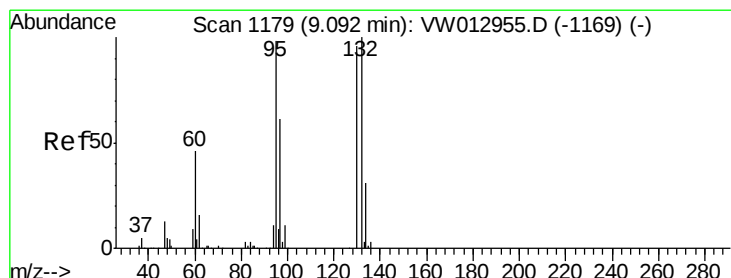
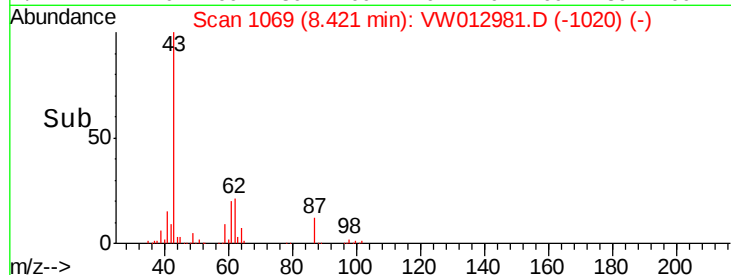
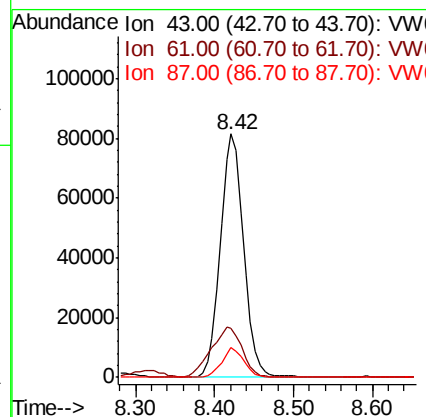
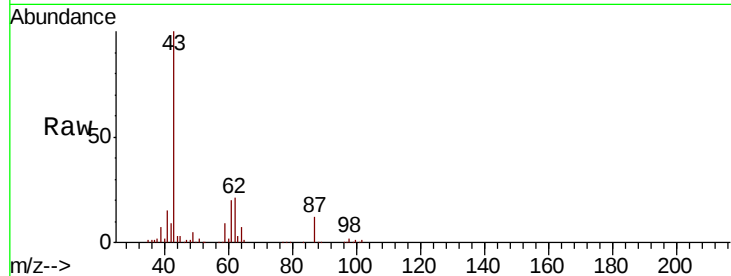
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 166998 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 27.7  | 22.7  | 34.1   |
| 87       | 11.7  | 9.4   | 14.2   |

Manual Integrations  
APPROVED

MMDadoda  
9/16/2019 12:43:54 AM



#44

Trichloroethene

Concen: 47.485 ug/l

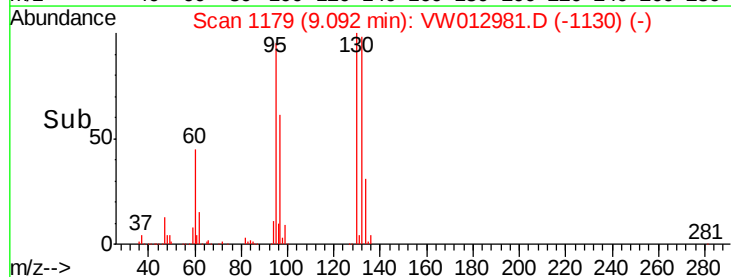
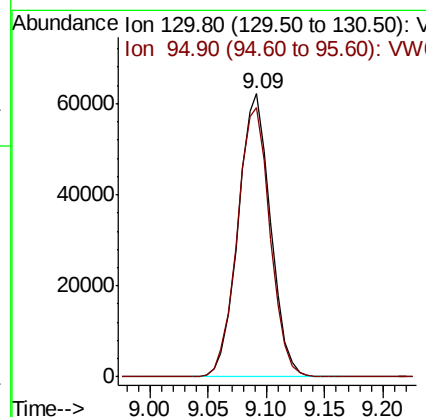
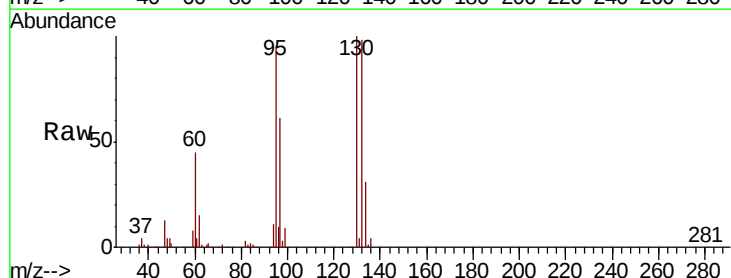
RT: 9.09 min Scan# 1179

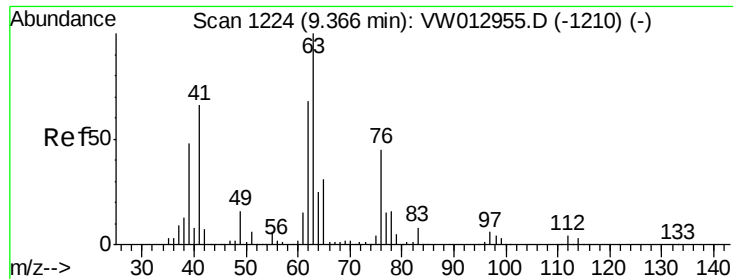
Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 120295 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 95.1  | 0.0   | 204.4  |





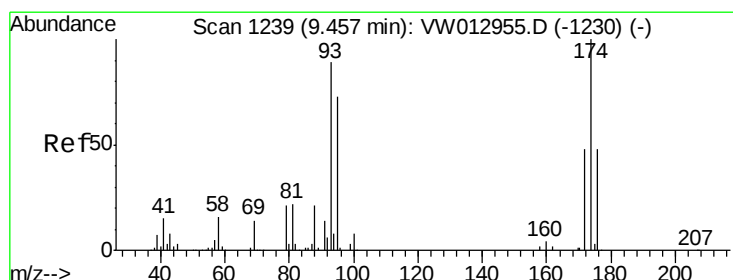
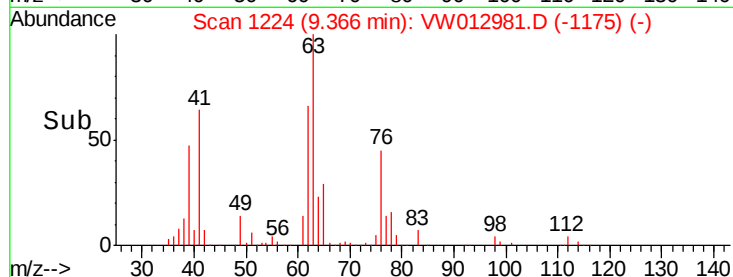
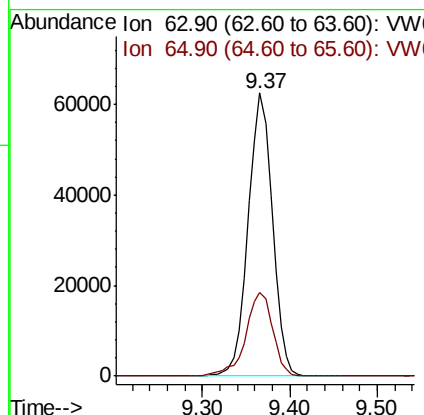
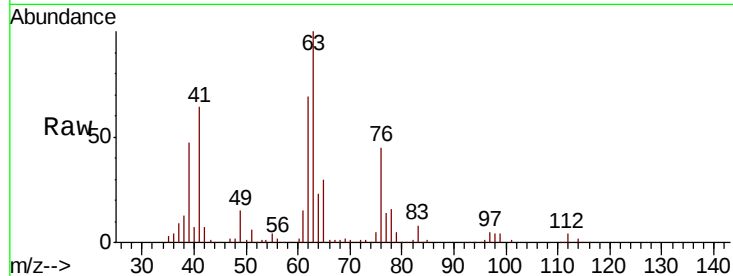
#45  
 1,2-Dichloropropane  
 Concen: 48.925 ug/l  
 RT: 9.37 min Scan# 1224  
 Delta R.T. -0.00 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 63 Resp: 120221  
 Ion Ratio Lower Upper  
 63 100  
 65 29.7 24.6 37.0

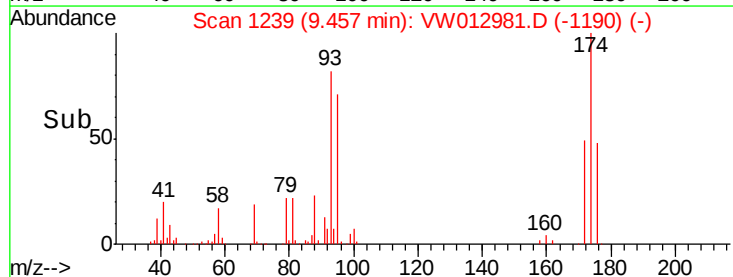
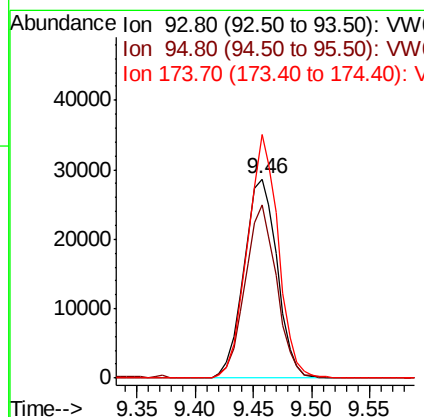
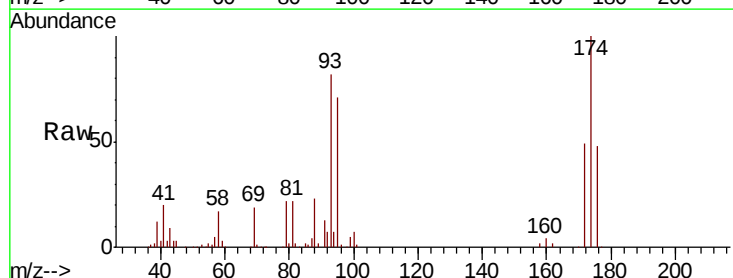
Manual Integrations  
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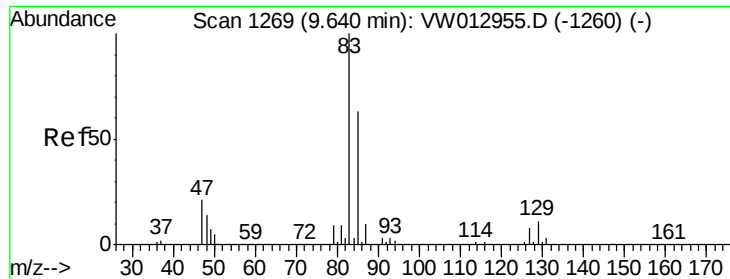
MMDadoda  
 9/16/2019 12:43:54 AM



#46  
 Dibromomethane  
 Concen: 48.663 ug/l  
 RT: 9.46 min Scan# 1239  
 Delta R.T. -0.00 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

Tgt Ion: 93 Resp: 57290  
 Ion Ratio Lower Upper  
 93 100  
 95 82.2 67.0 100.4  
 174 113.8 90.5 135.7





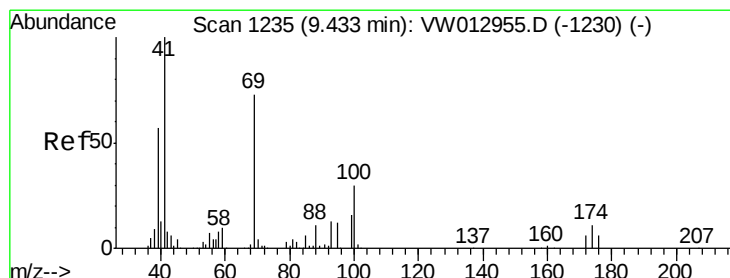
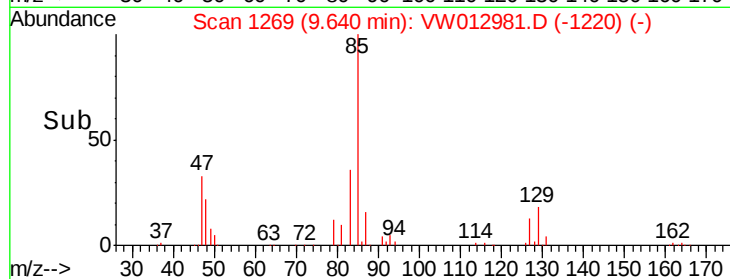
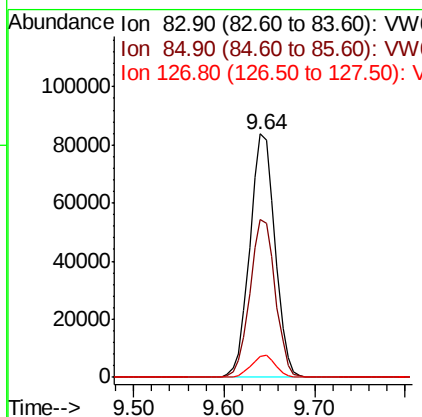
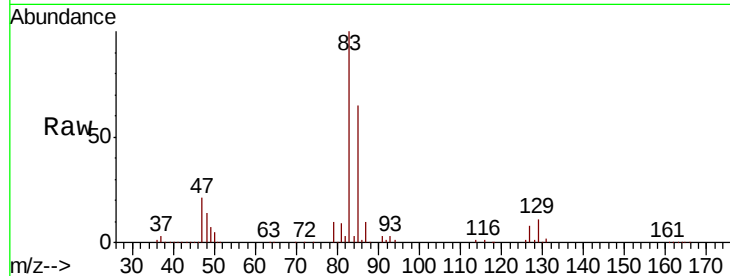
#47  
Bromodichloromethane  
Concen: 48.829 ug/l  
RT: 9.64 min Scan# 1269  
Delta R.T. -0.00 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 161246 |       |       |
| 85      | 64.7  | 50.6   | 75.8  |       |
| 127     | 8.5   | 6.7    | 10.1  |       |

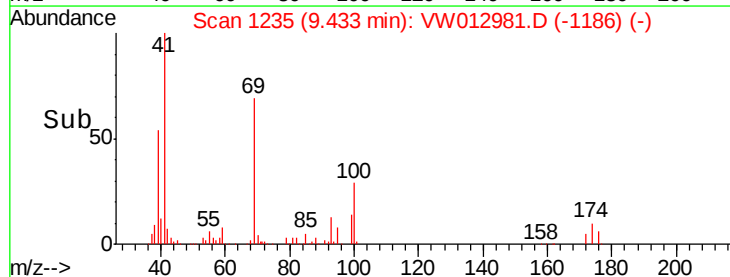
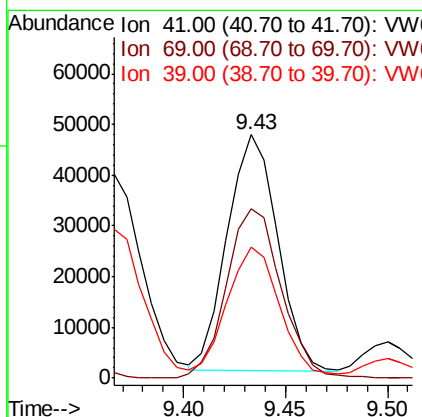
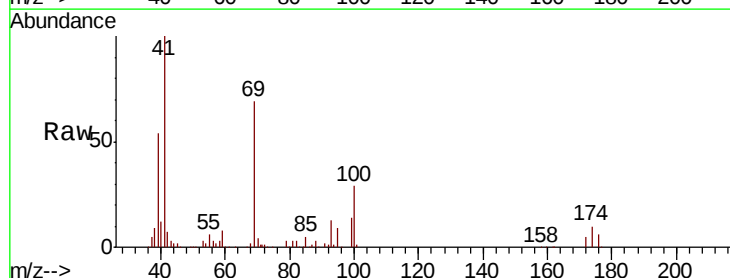
Manual Integrations  
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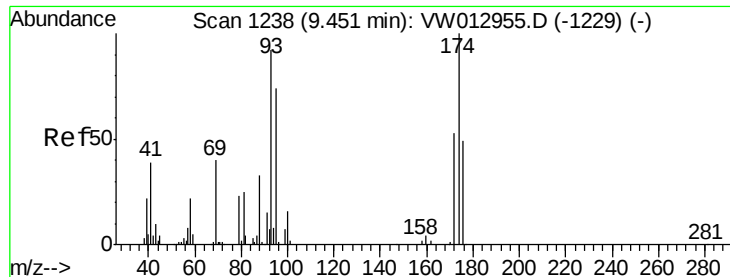
MMDadoda  
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#48  
Methyl methacrylate  
Concen: 50.174 ug/l  
RT: 9.43 min Scan# 1235  
Delta R.T. -0.00 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 41      | 100   | 79506 |       |       |
| 69      | 78.1  | 62.8  | 94.2  |       |
| 39      | 59.3  | 48.5  | 72.7  |       |





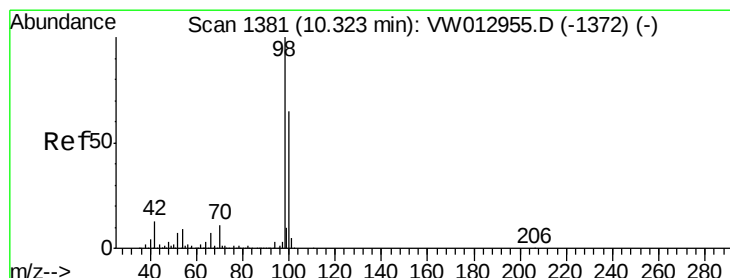
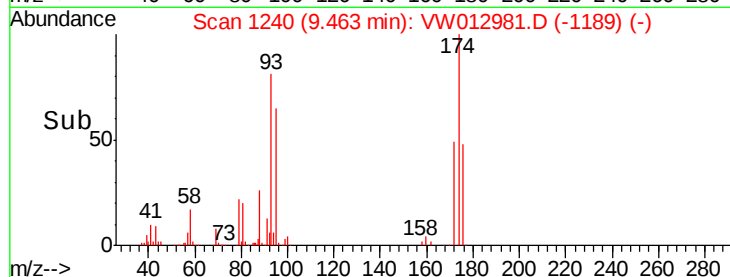
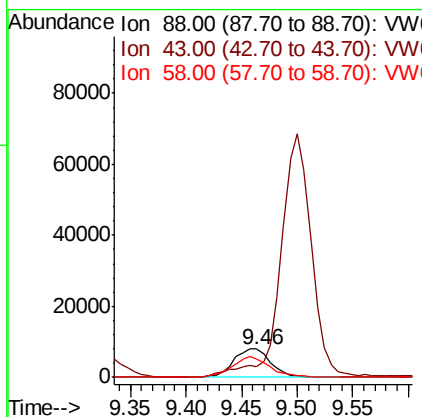
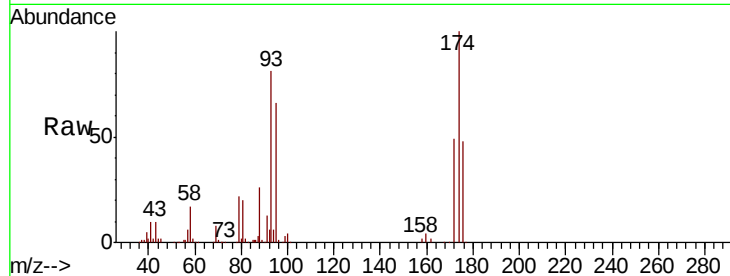
#49  
1,4-Dioxane  
Concen: 945.827 ug/l  
RT: 9.46 min Scan# 1240  
Delta R.T. 0.01 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 0.0   | 31.3  | 46.9# |
| 58      | 75.6  | 60.2  | 90.2  |

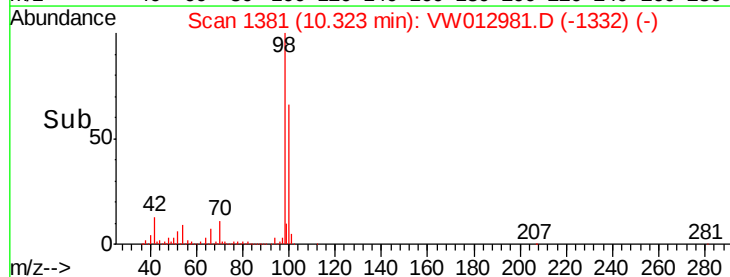
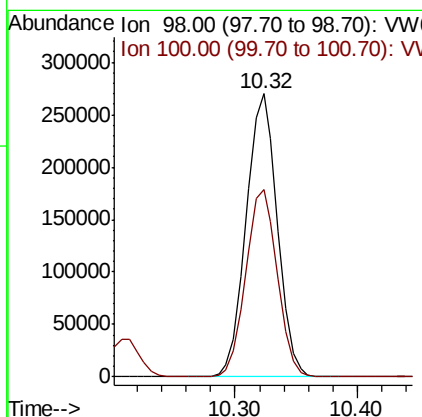
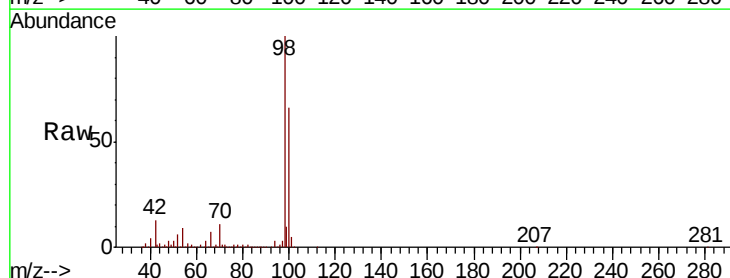
Manual Integrations  
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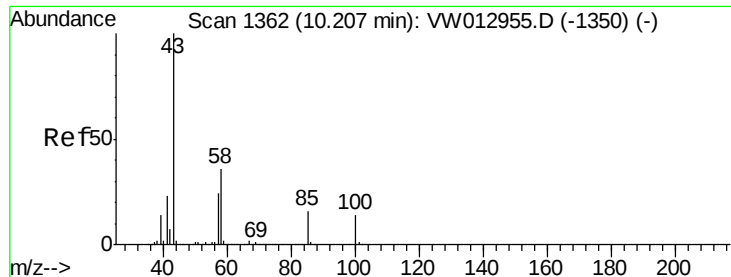
MMDadoda  
9/16/2019 12:43:54 AM



#50  
Toluene-d8  
Concen: 54.336 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.8  | 52.1  | 78.1  |





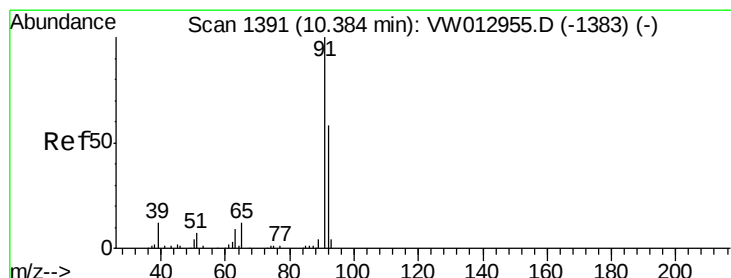
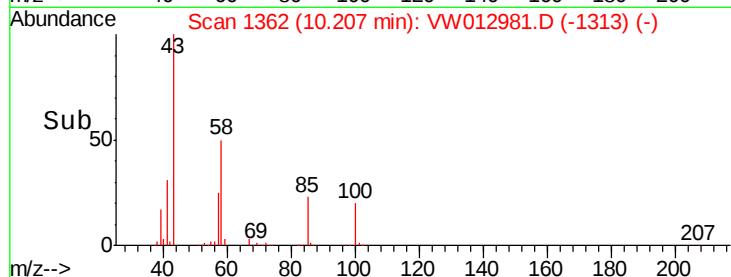
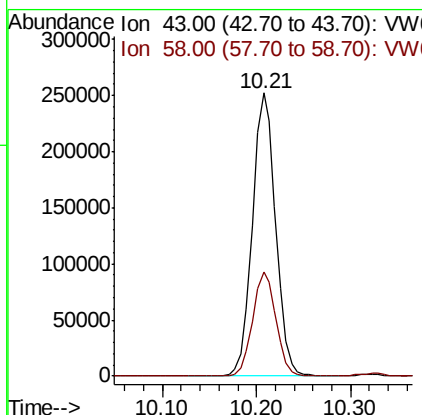
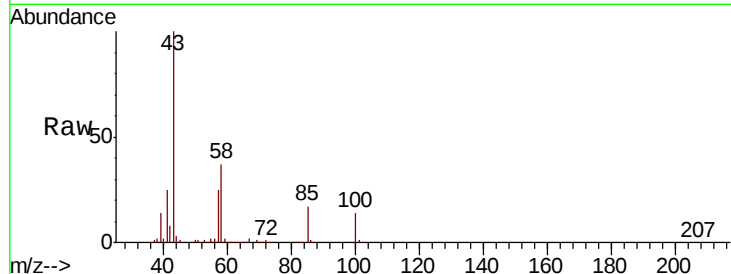
#51  
 4-Methyl-2-Pentanone  
 Concen: 251.424 ug/l  
 RT: 10.21 min Scan# 1362  
 Delta R.T. -0.00 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 43 Resp: 438269  
 Ion Ratio Lower Upper  
 43 100  
 58 36.8 29.5 44.3

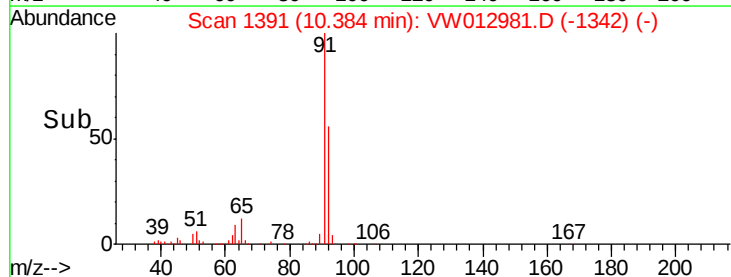
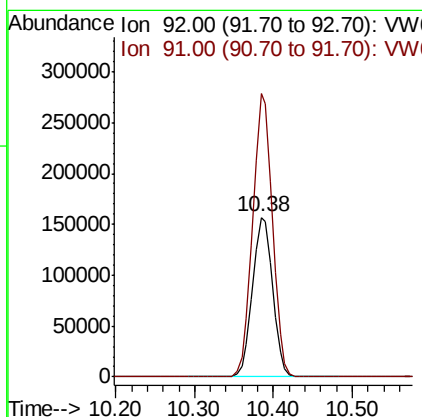
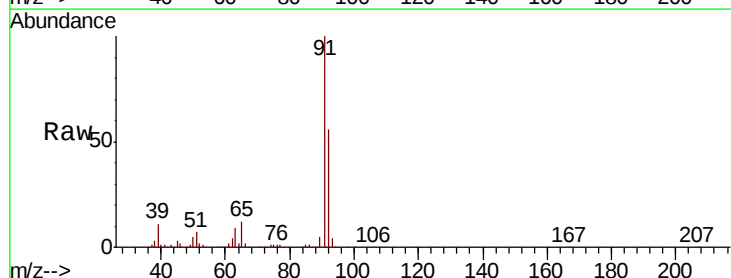
Manual Integrations  
 APPROVED

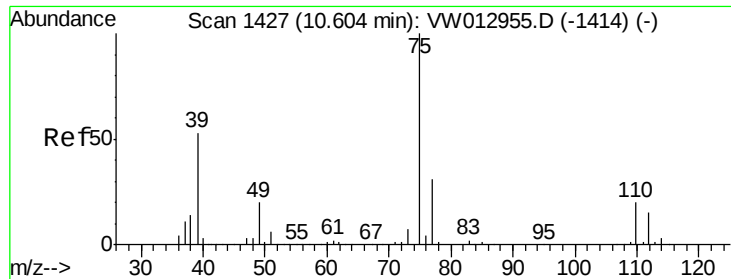
MMDadoda  
 9/16/2019 12:43:54 AM



#52  
 Toluene  
 Concen: 47.665 ug/l  
 RT: 10.38 min Scan# 1391  
 Delta R.T. -0.00 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

Tgt Ion: 92 Resp: 280127  
 Ion Ratio Lower Upper  
 92 100  
 91 173.8 137.5 206.3





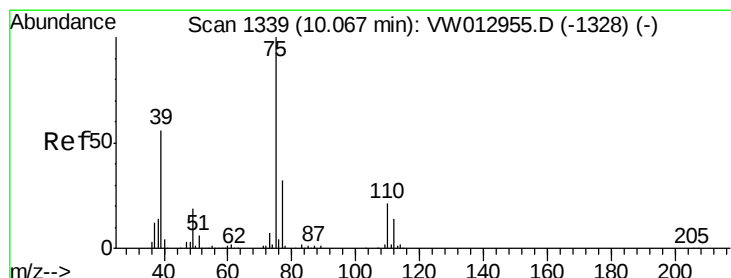
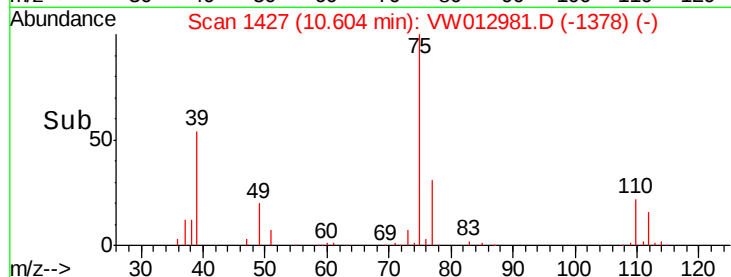
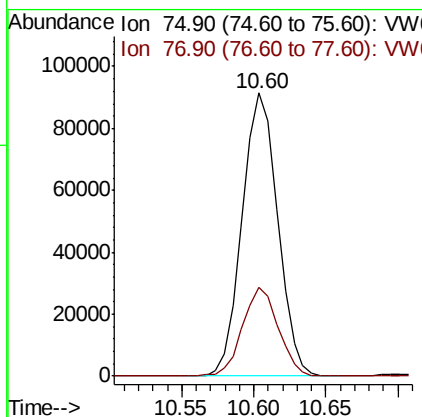
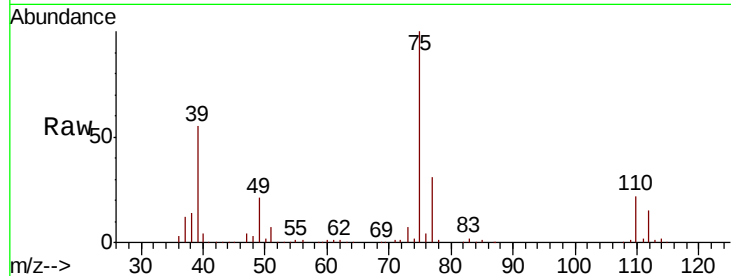
#53  
 t-1,3-Dichloropropene  
 Concen: 47.206 ug/l  
 RT: 10.60 min Scan# 1427  
 Delta R.T. -0.00 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
 VSTDCCC050EC

Tgt Ion: 75 Resp: 156776  
 Ion Ratio Lower Upper  
 75 100  
 77 31.2 24.6 37.0

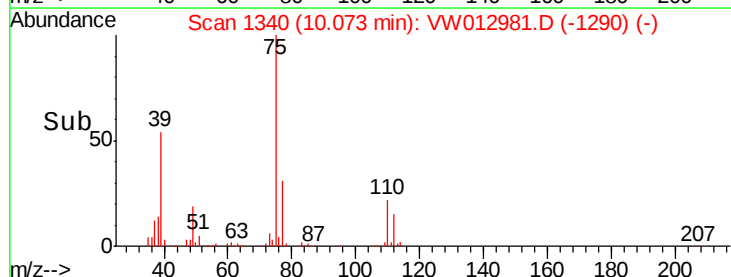
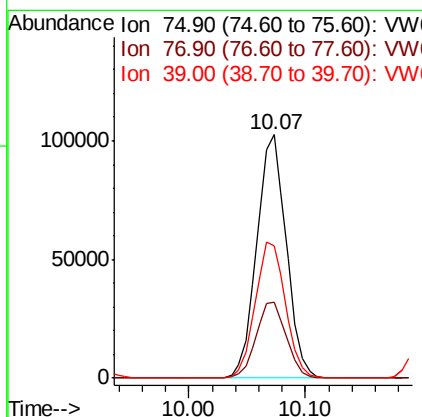
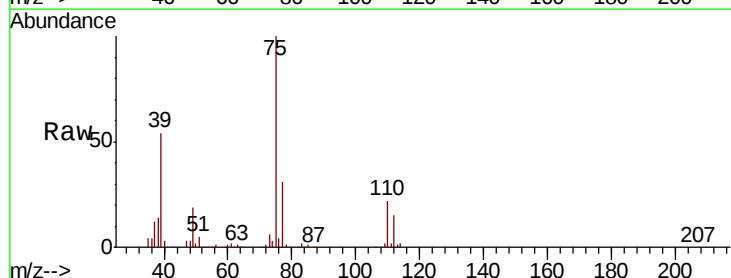
Manual Integrations  
 APPROVED

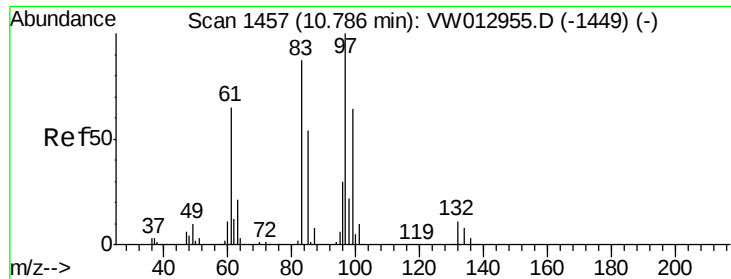
MMDadoda  
 9/16/2019 12:43:54 AM



#54  
 cis-1,3-Dichloropropene  
 Concen: 47.765 ug/l  
 RT: 10.07 min Scan# 1340  
 Delta R.T. 0.01 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

Tgt Ion: 75 Resp: 181507  
 Ion Ratio Lower Upper  
 75 100  
 77 31.0 25.5 38.3  
 39 54.1 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 49.492 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA\_W

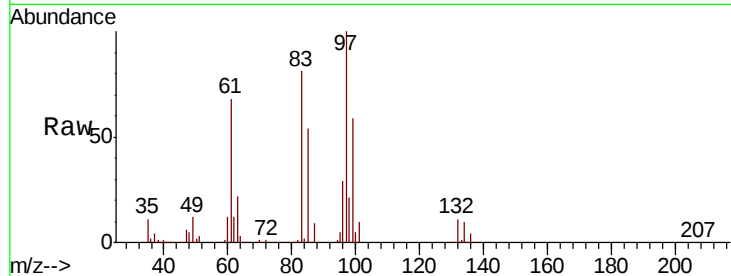
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 88762 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 80.8  | 69.4  | 104.0 |
| 85       | 54.0  | 43.3  | 64.9  |
| 99       | 59.2  | 50.9  | 76.3  |

Manual Integrations  
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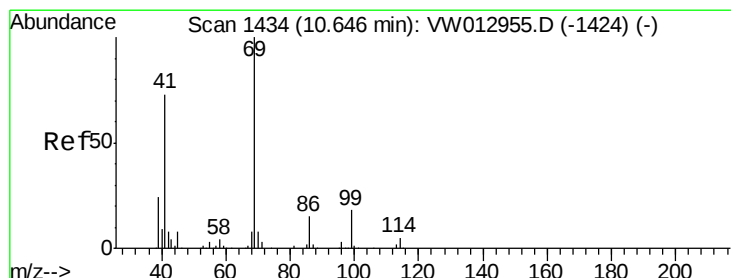
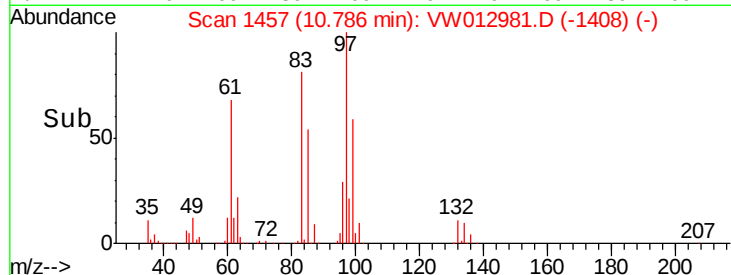
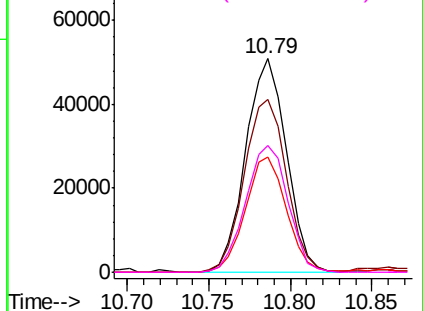
Abundance

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: 50.894 ug/l

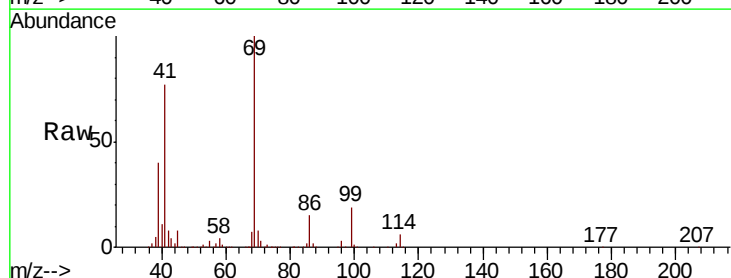
RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 122859 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 75.0  | 60.8  | 91.2   |
| 39       | 35.3  | 29.4  | 44.0   |

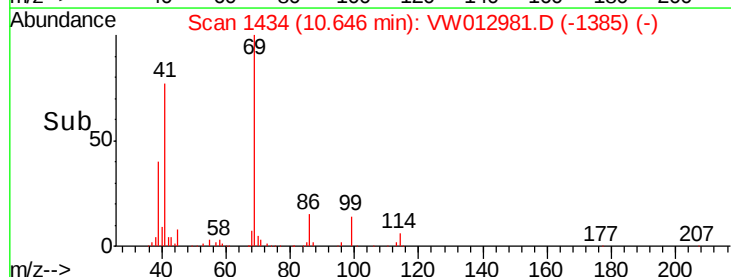
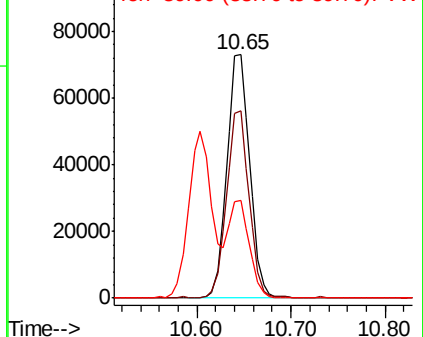


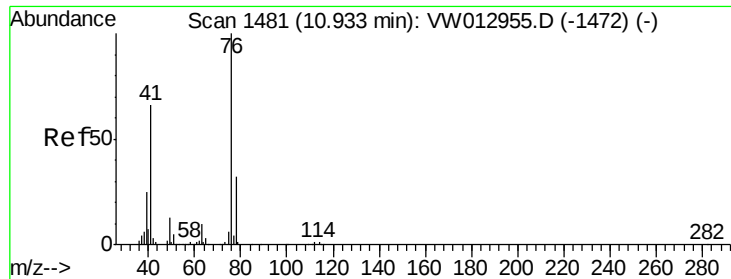
Abundance

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





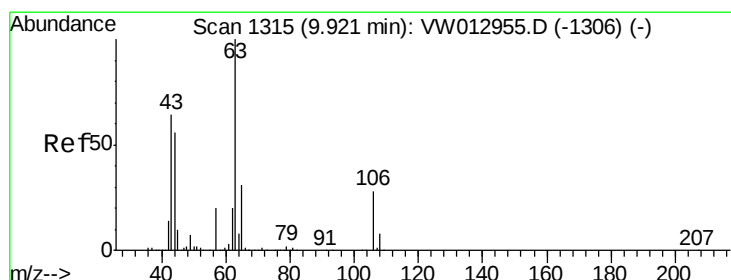
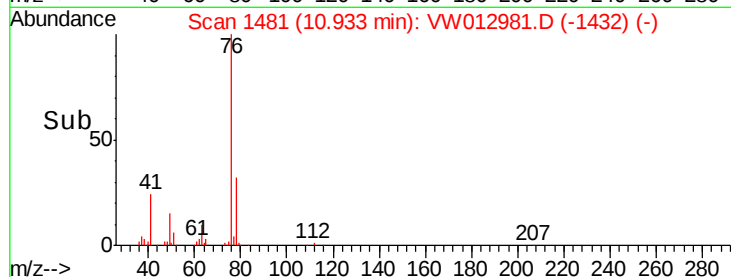
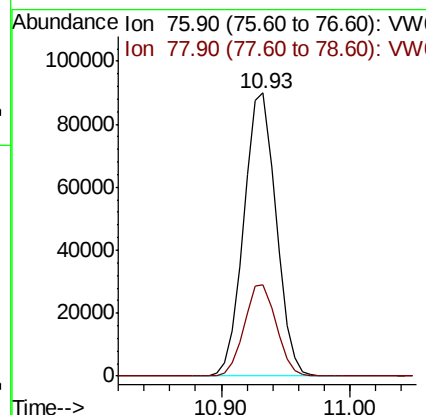
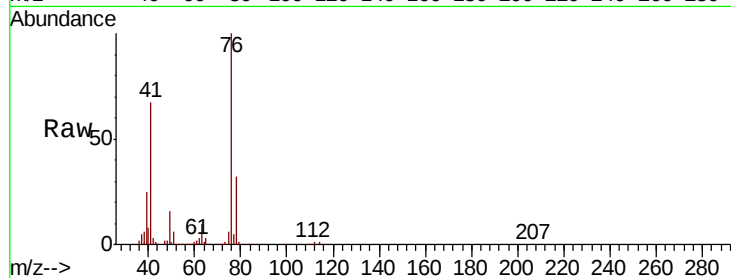
#57  
 1,3-Dichloropropane  
 Concen: 48.919 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. -0.00 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 76 Resp: 155630  
 Ion Ratio Lower Upper  
 76 100  
 78 32.2 25.6 38.4

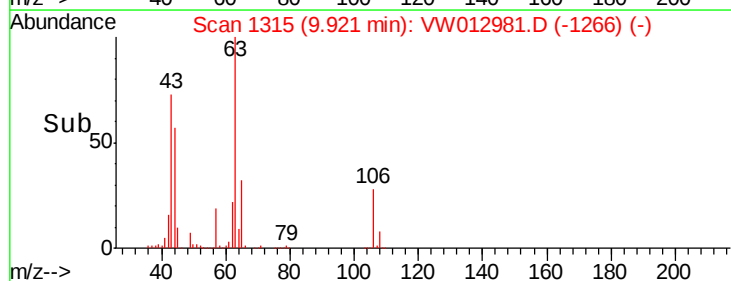
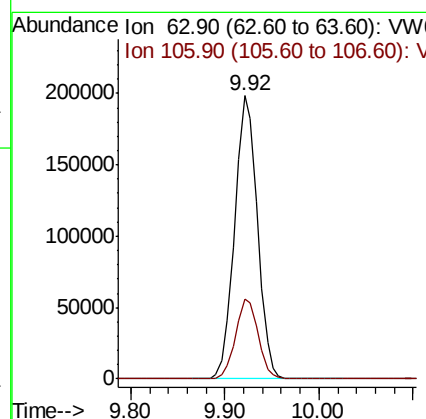
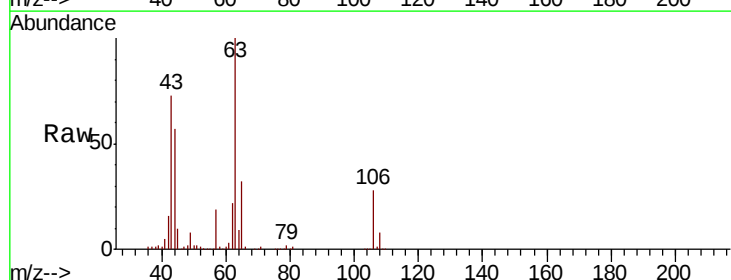
Manual Integrations  
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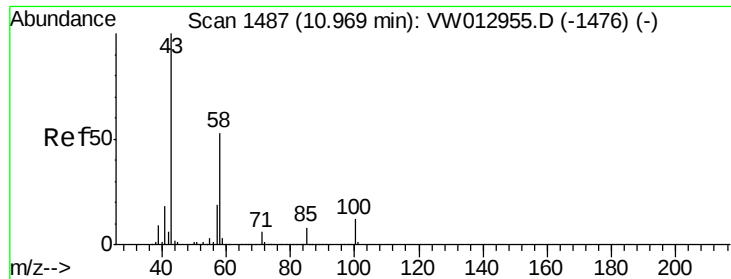
MMDadoda  
 9/16/2019 12:43:54 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 256.501 ug/l  
 RT: 9.92 min Scan# 1315  
 Delta R.T. -0.00 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

Tgt Ion: 63 Resp: 332157  
 Ion Ratio Lower Upper  
 63 100  
 106 28.1 22.2 33.2





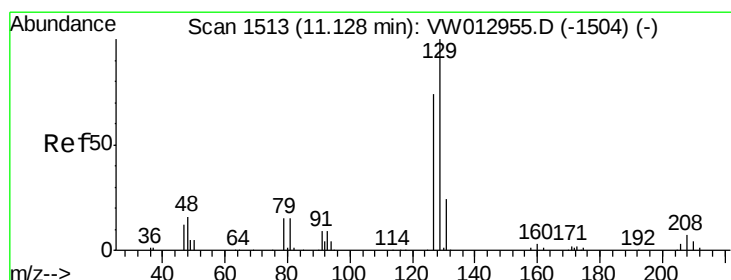
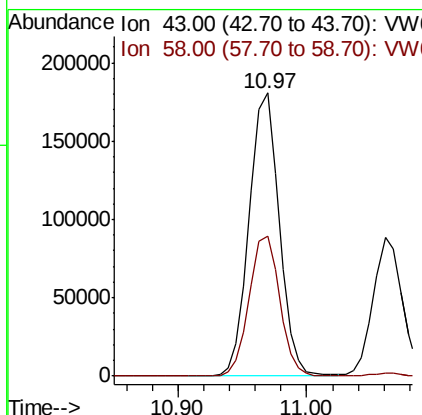
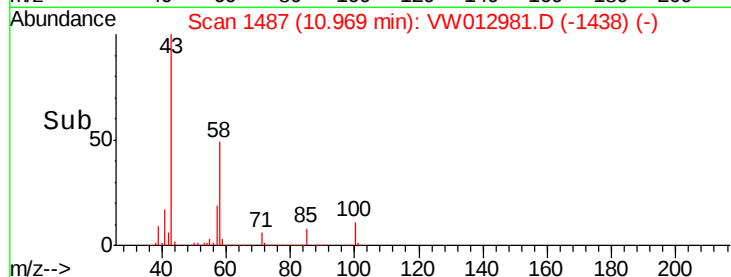
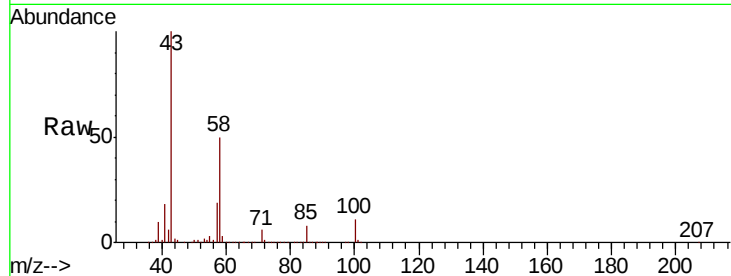
#59  
2-Hexanone  
Concen: 240.282 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 43 Resp: 291648  
Ion Ratio Lower Upper  
43 100  
58 50.3 25.8 77.3

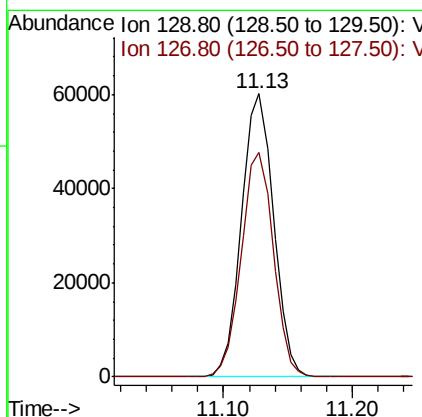
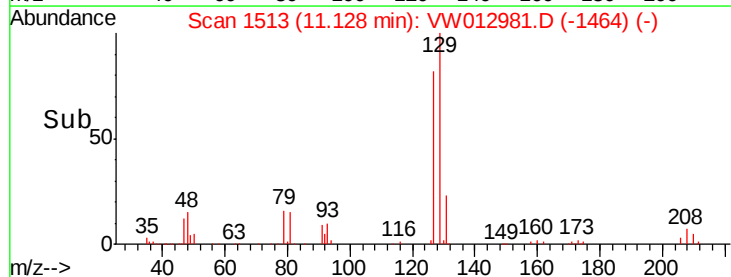
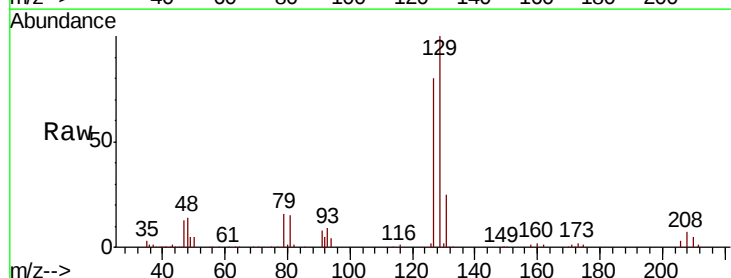
Manual Integrations  
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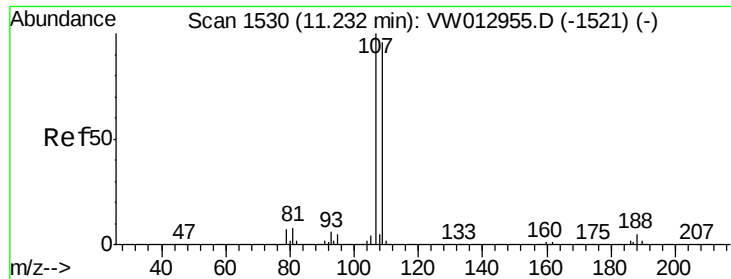
MMDadoda  
9/16/2019 12:43:54 AM



#60  
Dibromochloromethane  
Concen: 47.902 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

Tgt Ion: 129 Resp: 103864  
Ion Ratio Lower Upper  
129 100  
127 79.2 37.4 112.2





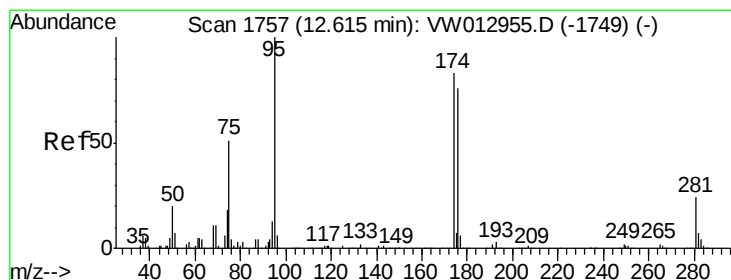
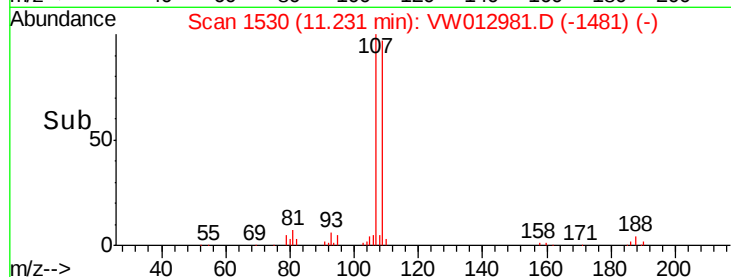
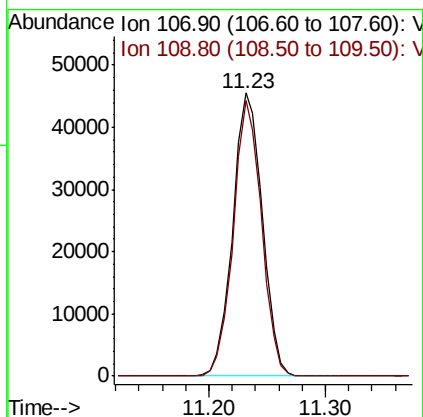
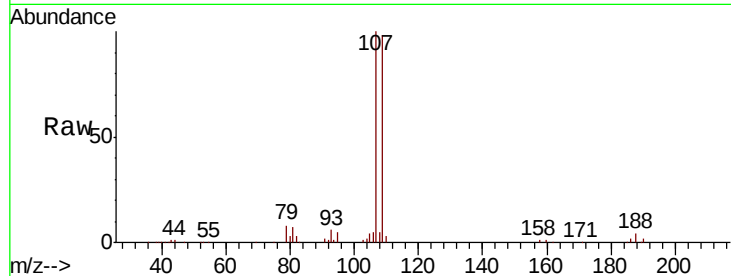
#61  
 1,2-Dibromoethane  
 Concen: 49.208 ug/l  
 RT: 11.23 min Scan# 1530  
 Delta R.T. -0.00 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 107 Resp: 80506  
 Ion Ratio Lower Upper  
 107 100  
 109 93.0 75.0 112.6

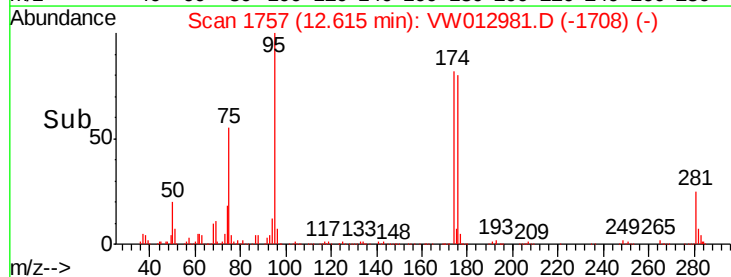
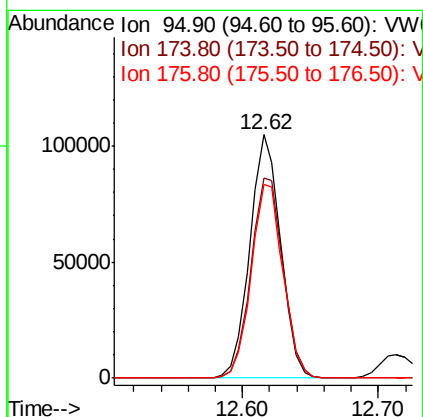
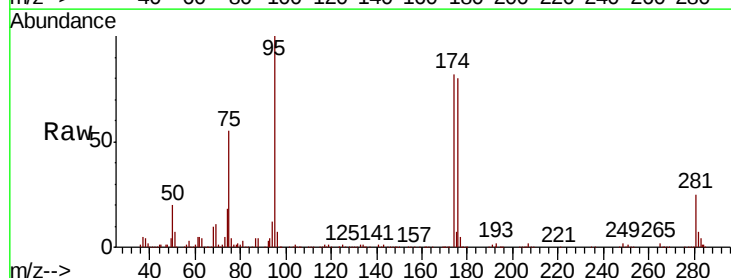
Manual Integrations  
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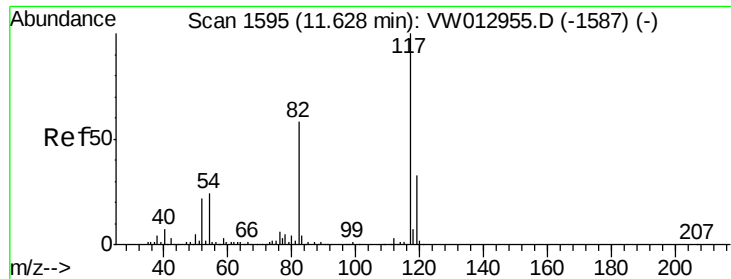
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 9/16/2019 12:43:54 AM



#62  
 4-Bromofluorobenzene  
 Concen: 52.524 ug/l  
 RT: 12.62 min Scan# 1757  
 Delta R.T. -0.00 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

Tgt Ion: 95 Resp: 166261  
 Ion Ratio Lower Upper  
 95 100  
 174 86.2 0.0 170.4  
 176 82.4 0.0 164.6





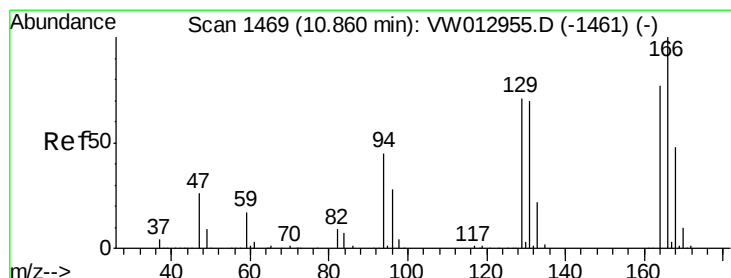
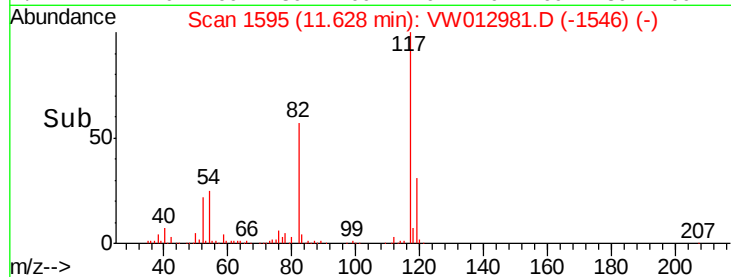
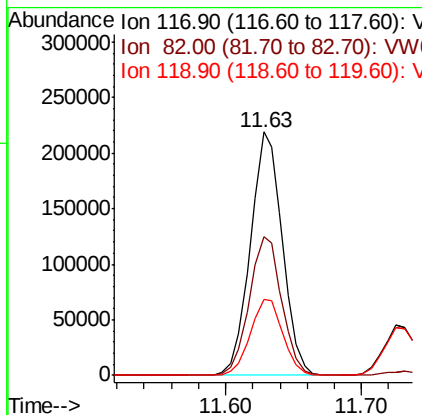
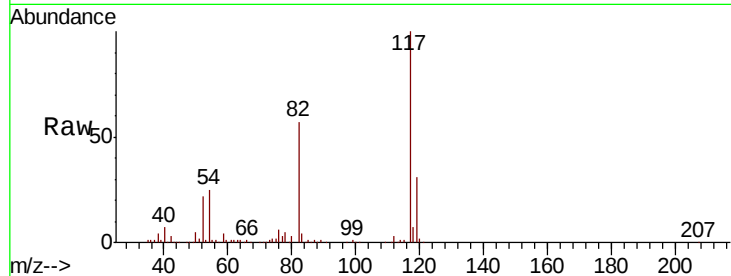
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.00 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 117     | 100   |            |            |
| 82      | 57.0  | 46.3       | 69.5       |
| 119     | 31.3  | 26.2       | 39.4       |

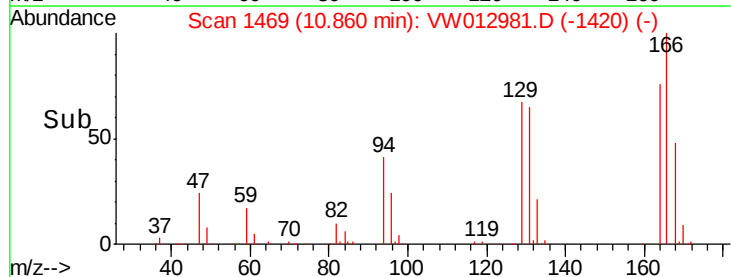
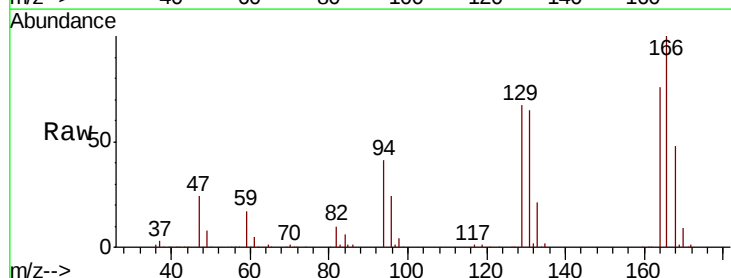
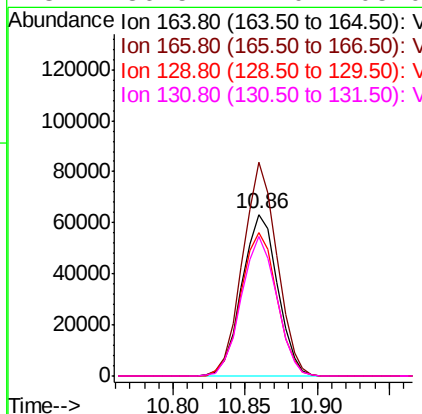
Manual Integrations  
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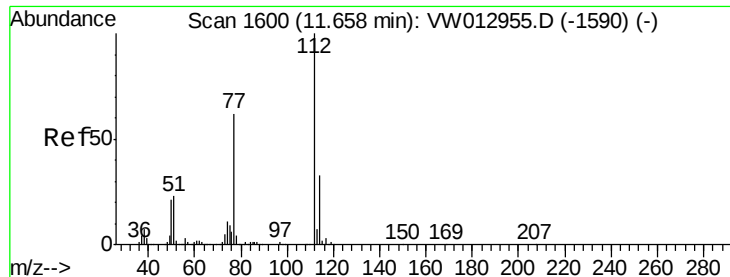
MMDadoda  
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#64  
Tetrachloroethene  
Concen: 50.614 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 164     | 100   |            |            |
| 166     | 132.2 | 103.3      | 154.9      |
| 129     | 89.1  | 73.8       | 110.8      |
| 131     | 86.5  | 72.0       | 108.0      |





#65

Chlorobenzene

Concen: 47.683 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 306202

Ion Ratio Lower Upper

112 100

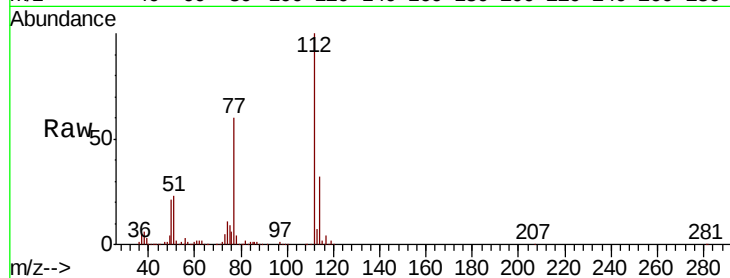
114 32.1 26.4 39.6

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

200000

150000

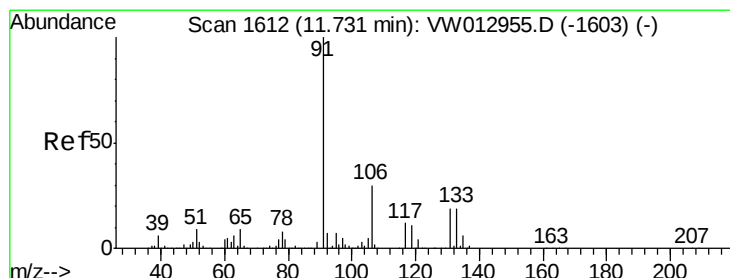
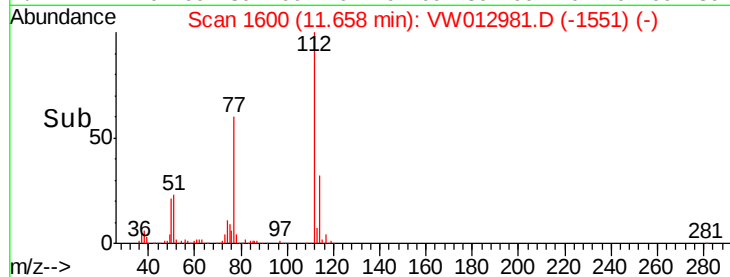
100000

50000

0

11.60 11.70

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 47.938 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

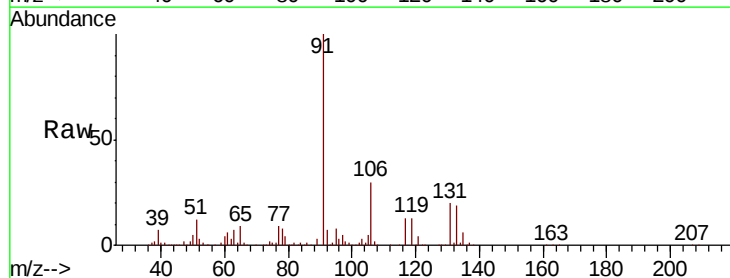
Tgt Ion:131 Resp: 117969

Ion Ratio Lower Upper

131 100

133 95.8 47.9 143.8

119 61.6 30.9 92.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

60000

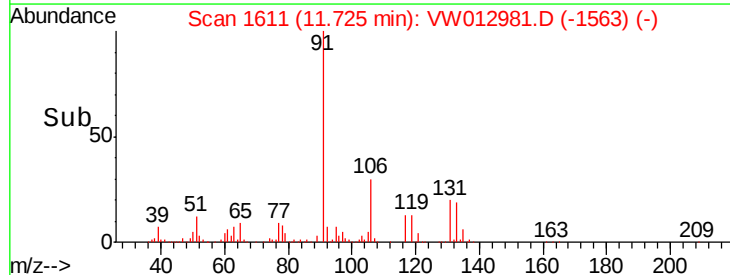
40000

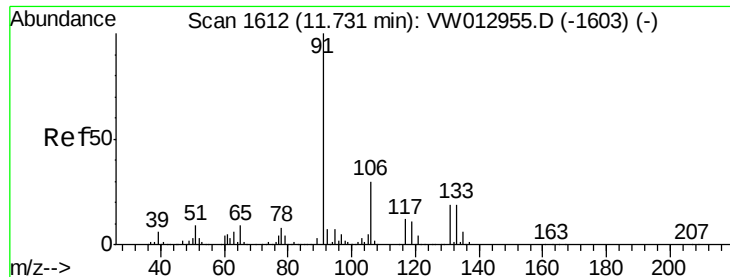
20000

0

11.70 11.80

Time-->





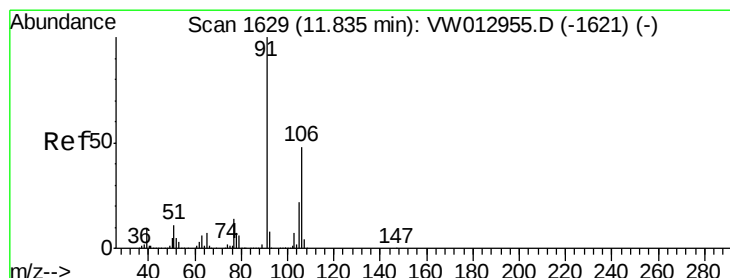
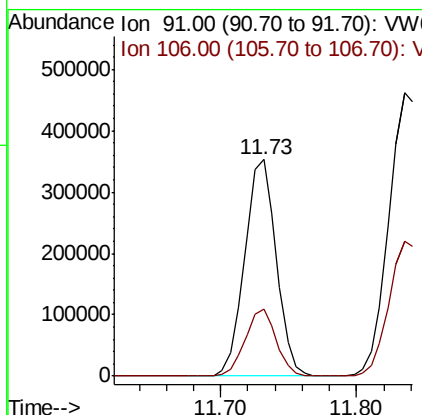
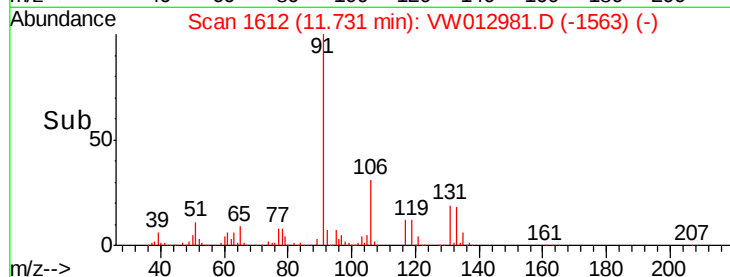
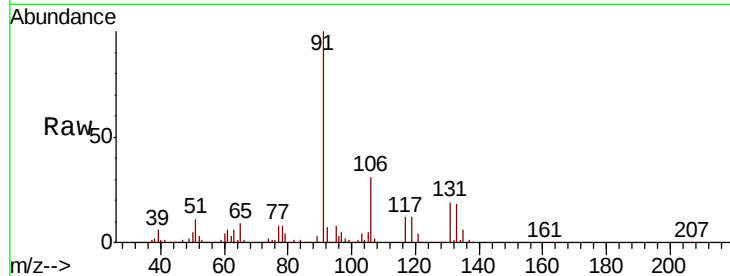
#67  
Ethyl Benzene  
Concen: 48.376 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 91 Resp: 573735  
Ion Ratio Lower Upper  
91 100  
106 30.7 24.3 36.5

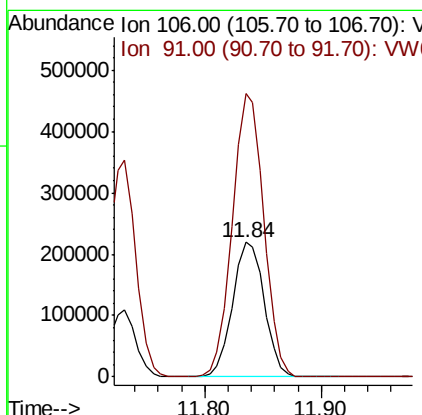
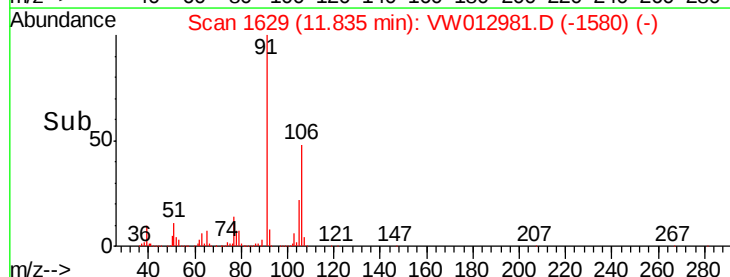
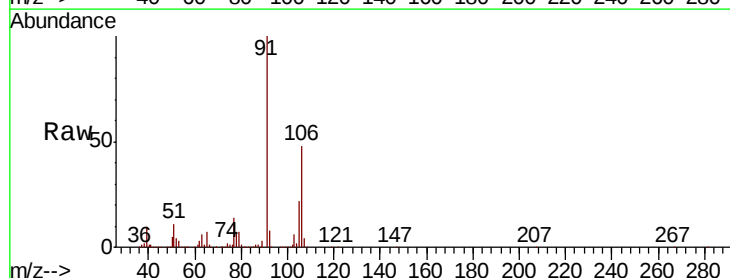
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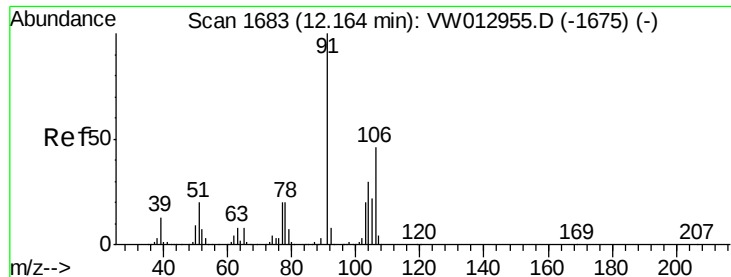
MMDadoda  
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#68  
m/p-Xylenes  
Concen: 95.941 ug/l  
RT: 11.84 min Scan# 1629  
Delta R.T. -0.00 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

Tgt Ion: 106 Resp: 415674  
Ion Ratio Lower Upper  
106 100  
91 208.5 165.8 248.8





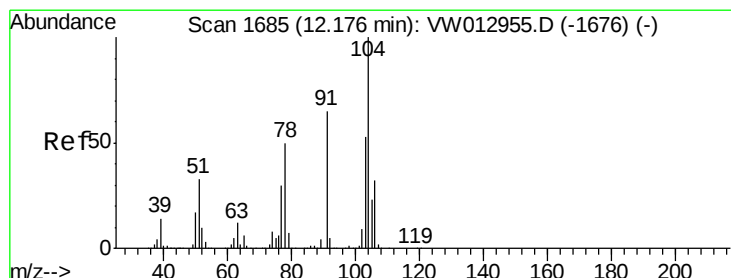
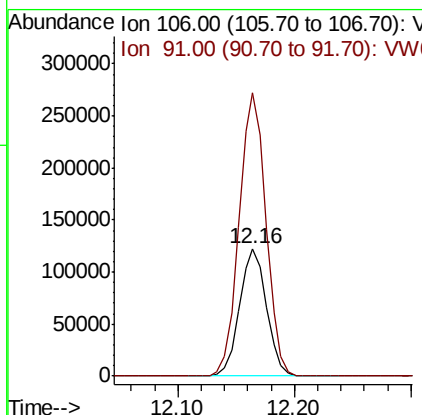
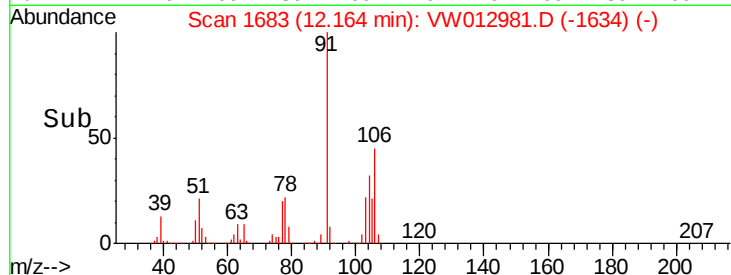
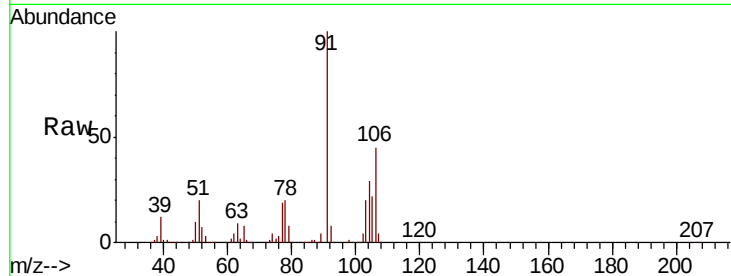
#69  
o-Xylene  
Concen: 48.570 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.00 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:106 Resp: 197285  
Ion Ratio Lower Upper  
106 100  
91 221.4 109.7 329.0

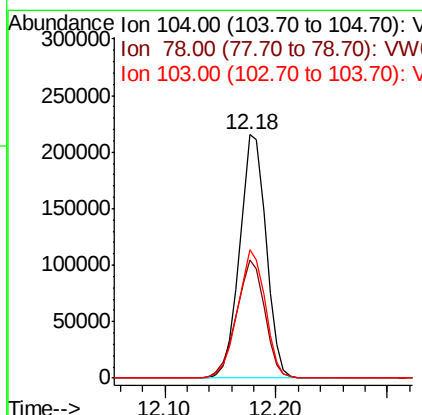
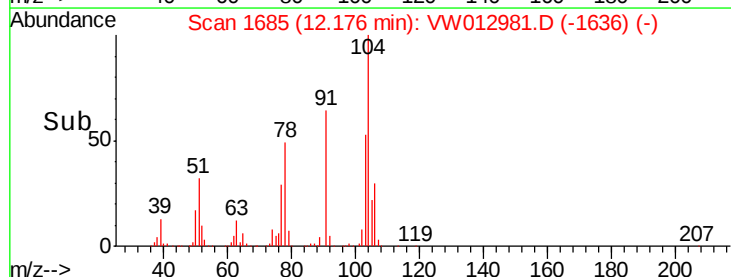
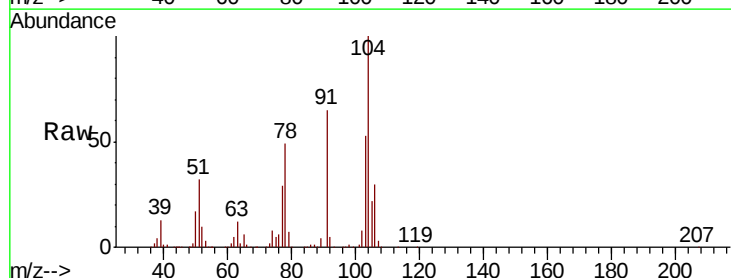
Manual Integrations  
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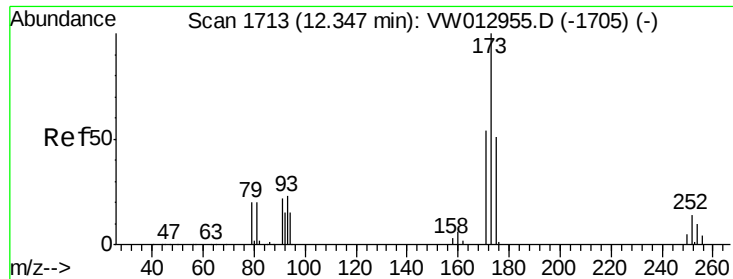
MMDadoda  
9/16/2019 12:43:54 AM



#70  
Styrene  
Concen: 49.111 ug/l  
RT: 12.18 min Scan# 1685  
Delta R.T. -0.00 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

Tgt Ion:104 Resp: 354862  
Ion Ratio Lower Upper  
104 100  
78 51.9 42.1 63.1  
103 55.0 44.2 66.4





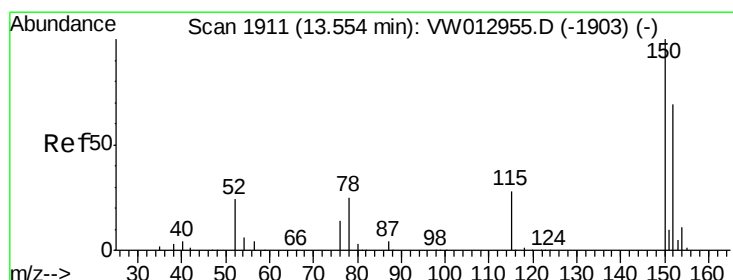
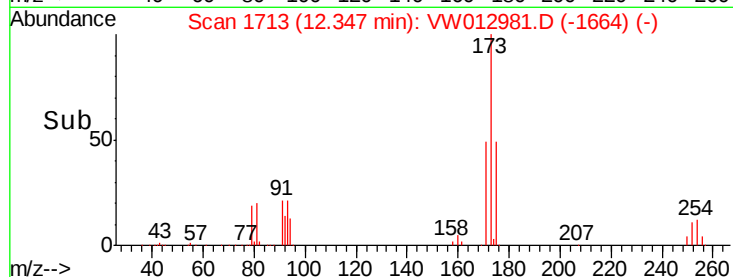
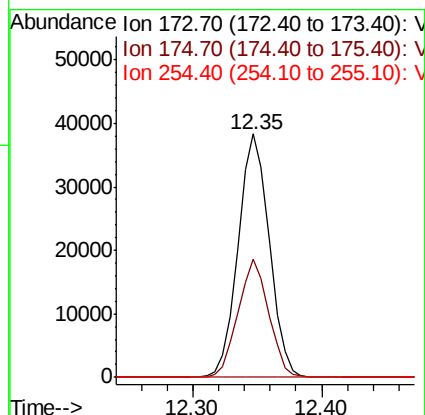
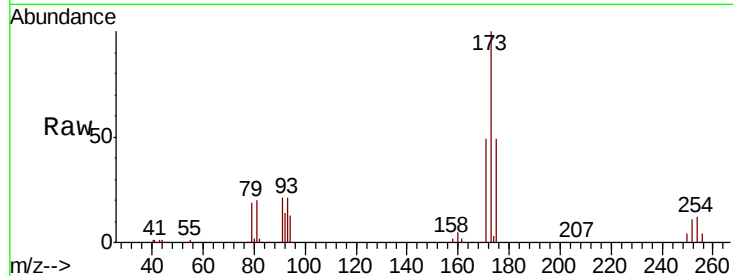
#71  
Bromoform  
Concen: 49.555 ug/l  
RT: 12.35 min Scan# 1713  
Delta R.T. -0.00 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:173 Resp: 64056  
Ion Ratio Lower Upper  
173 100  
175 48.0 24.2 72.6  
254 0.1 0.1 0.1#

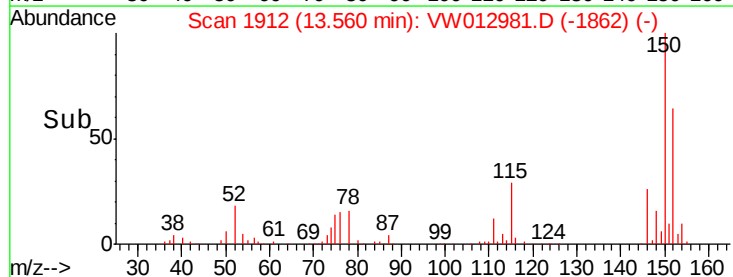
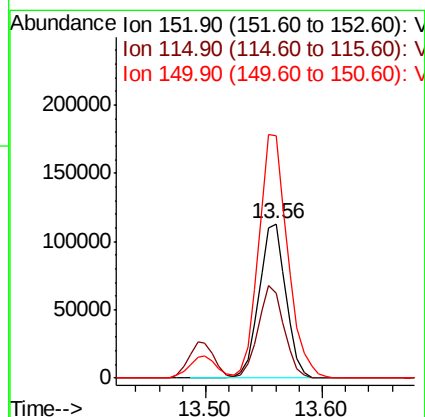
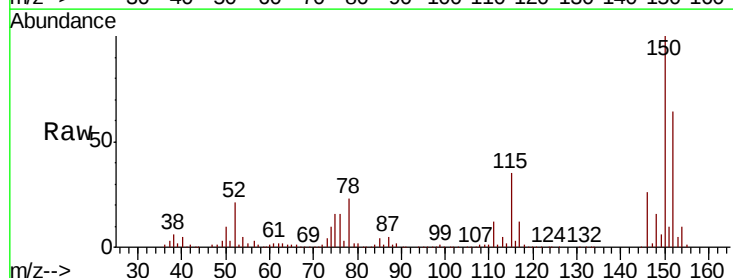
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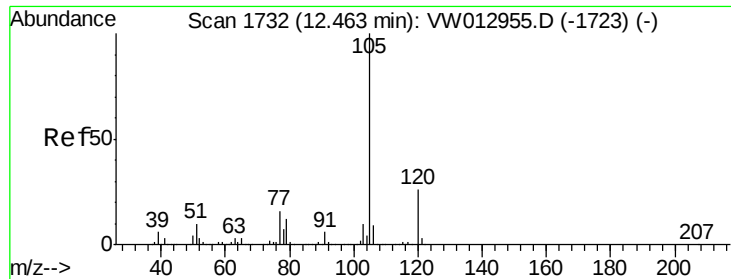
MMDadoda  
9/16/2019 12:43:54 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.01 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

Tgt Ion:152 Resp: 181064  
Ion Ratio Lower Upper  
152 100  
115 57.9 28.8 86.4  
150 171.3 0.0 340.2





#73

Isopropylbenzene

Concen: 47.340 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 568147

Ion Ratio Lower Upper

105 100

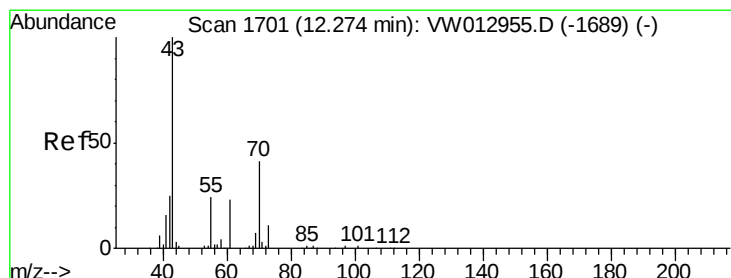
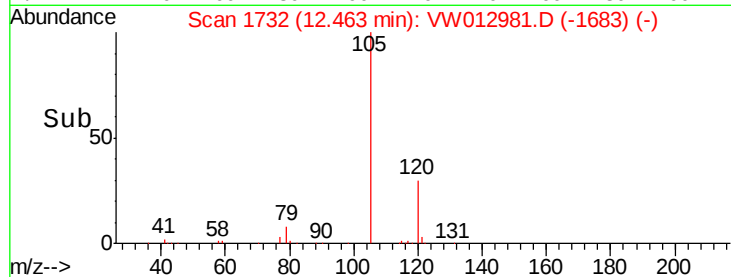
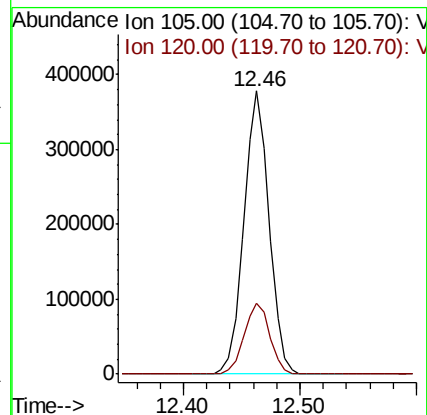
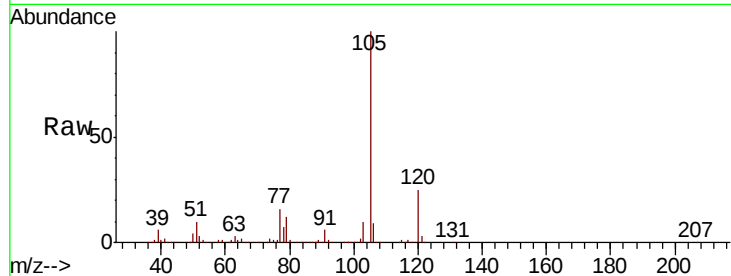
120 25.8 13.0 39.0

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#74

N-ethyl acetate

Concen: 48.307 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Tgt Ion: 43 Resp: 149135

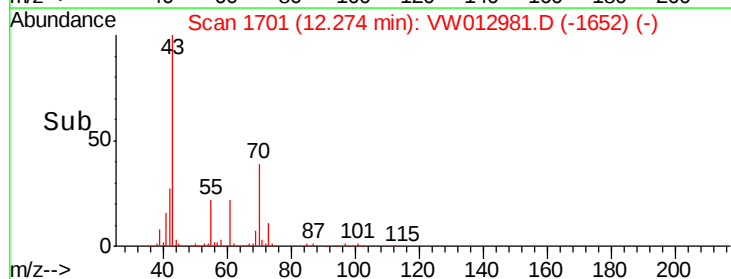
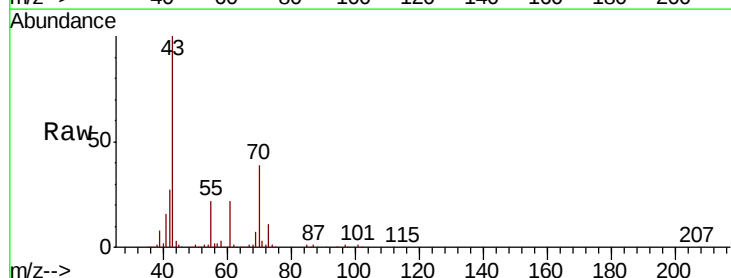
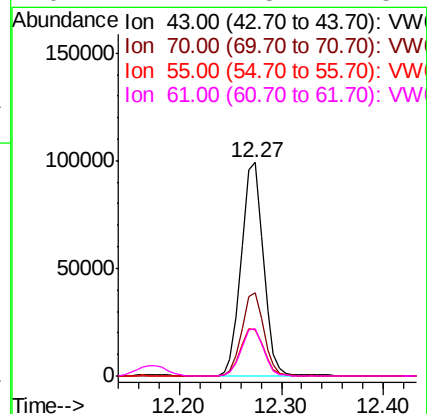
Ion Ratio Lower Upper

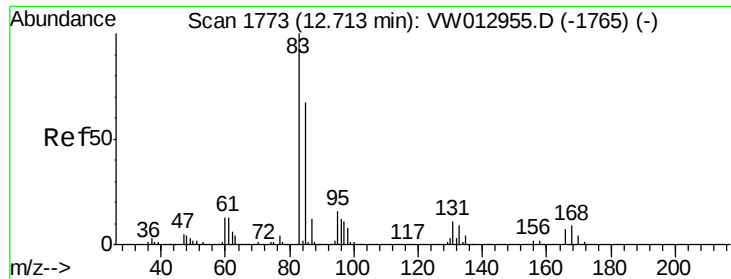
43 100

70 38.6 31.7 47.5

55 23.5 19.4 29.2

61 22.4 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.565 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA\_W

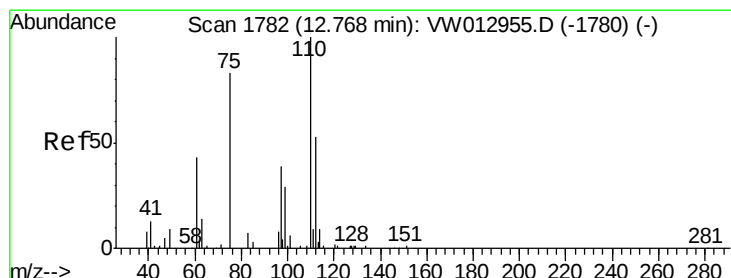
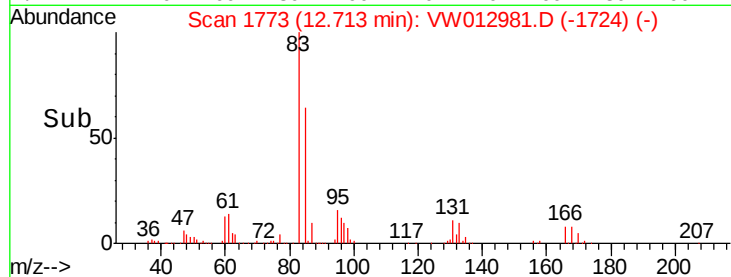
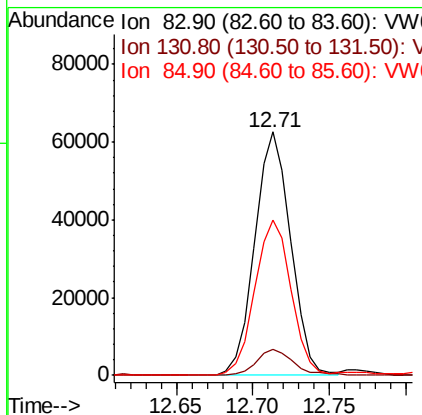
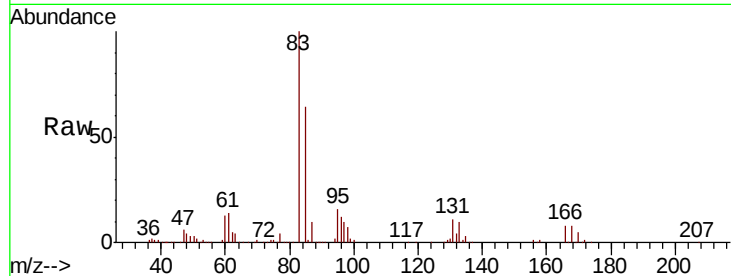
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 83    | Resp: | 102369 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 11.1  | 5.7   | 17.1   |
| 85        | 64.5  | 31.4  | 94.3   |

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#76

1,2,3-Trichloropropane

Concen: 52.037 ug/l m

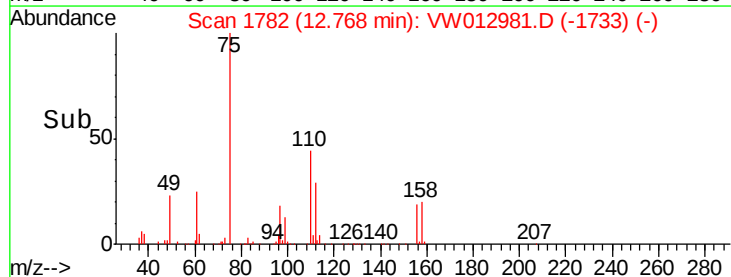
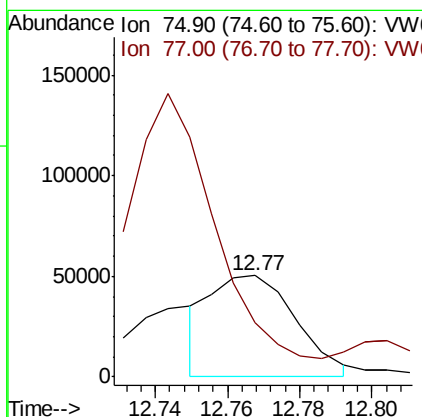
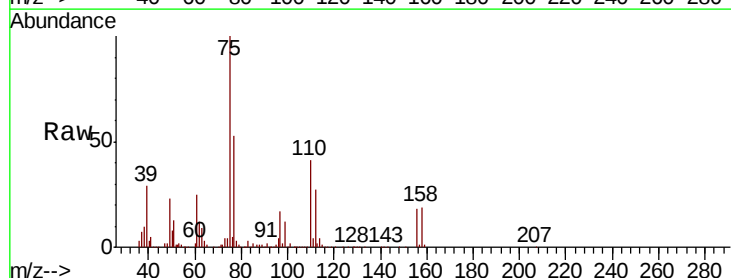
RT: 12.77 min Scan# 1782

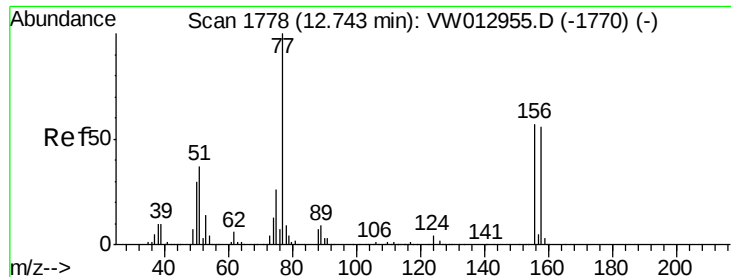
Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 82530 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 48.241 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 156 Resp: 133379

Ion Ratio Lower Upper

156 100

77 188.3 95.2 285.6

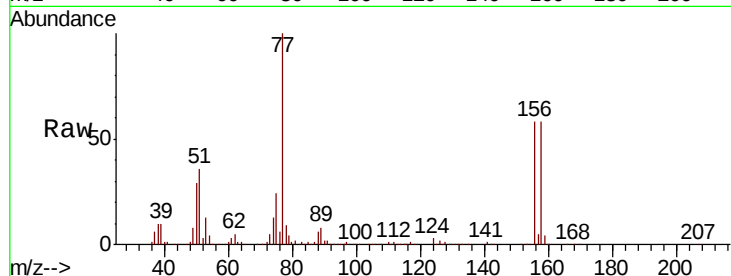
158 97.8 49.0 147.2

Manual Integrations

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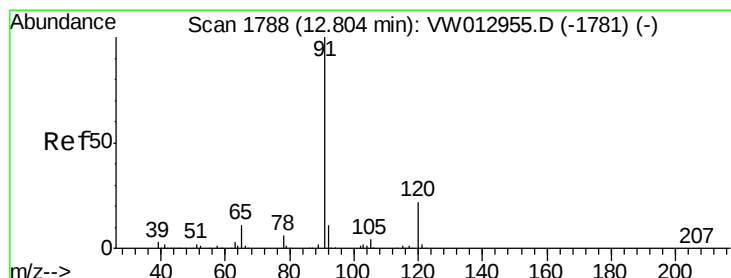
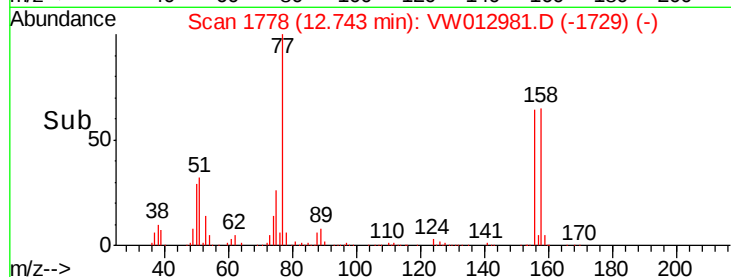
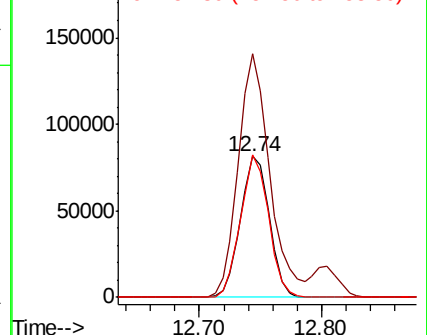
9/16/2019 12:43:54 AM



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: 47.142 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012981.D

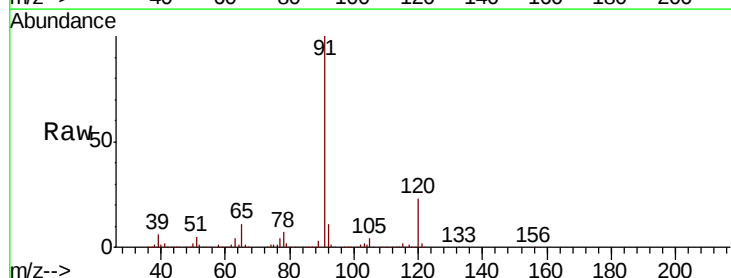
Acq: 14 Sep 2019 03:51

Tgt Ion: 91 Resp: 665520

Ion Ratio Lower Upper

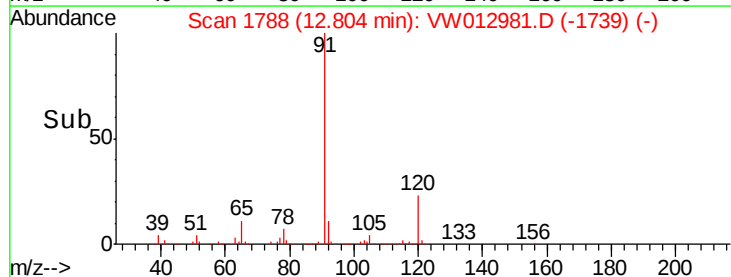
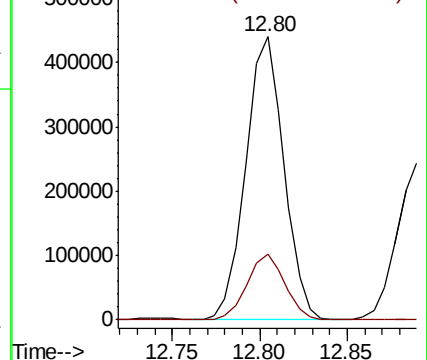
91 100

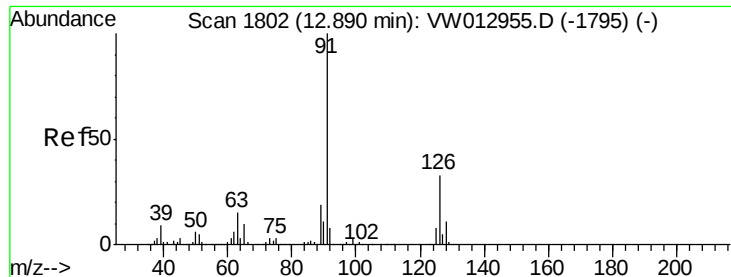
120 23.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





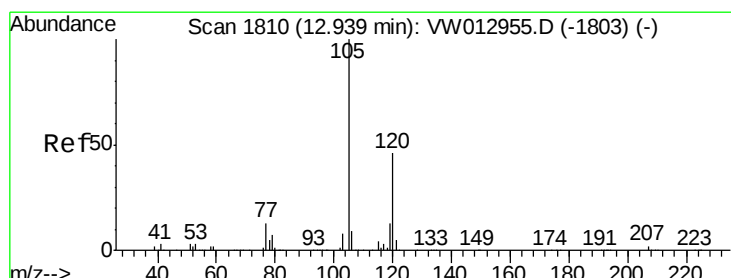
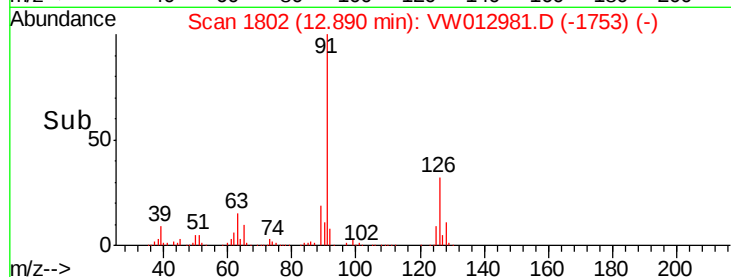
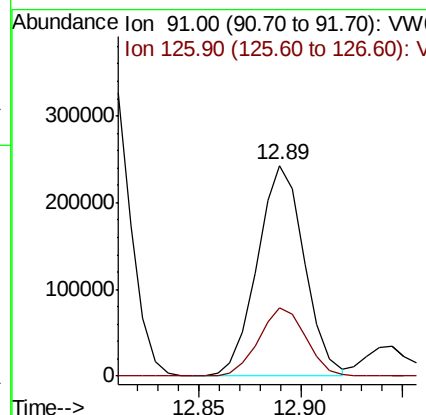
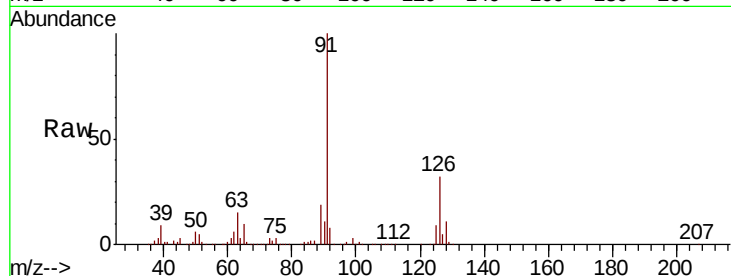
#79  
 2-Chlorotoluene  
 Concen: 48.029 ug/l  
 RT: 12.89 min Scan# 1802  
 Delta R.T. -0.00 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 91 Resp: 389777  
 Ion Ratio Lower Upper  
 91 100  
 126 32.6 16.5 49.5

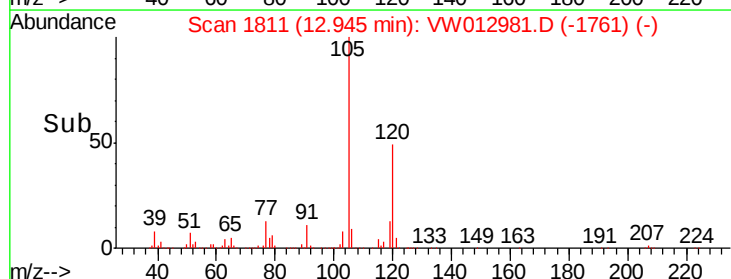
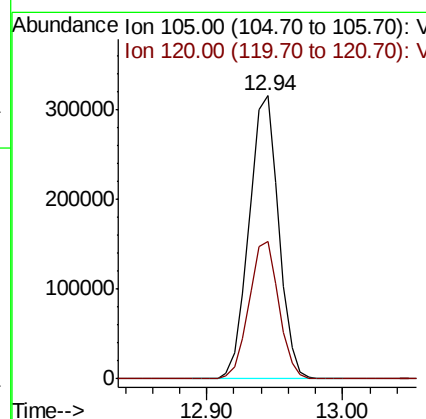
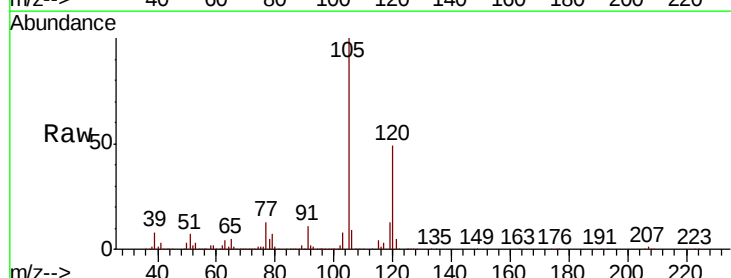
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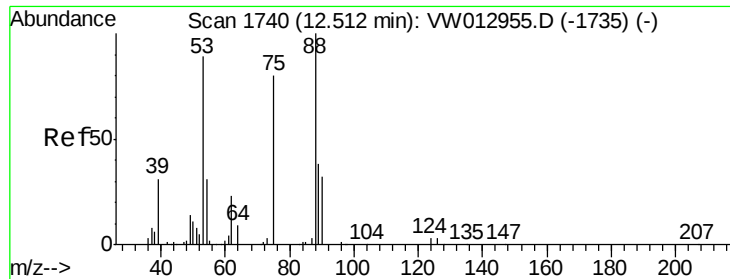
MMDadoda  
 9/16/2019 12:43:54 AM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 47.305 ug/l  
 RT: 12.94 min Scan# 1811  
 Delta R.T. 0.01 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

Tgt Ion: 105 Resp: 480300  
 Ion Ratio Lower Upper  
 105 100  
 120 49.2 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 44.589 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

Instrument :

MSVOA\_W

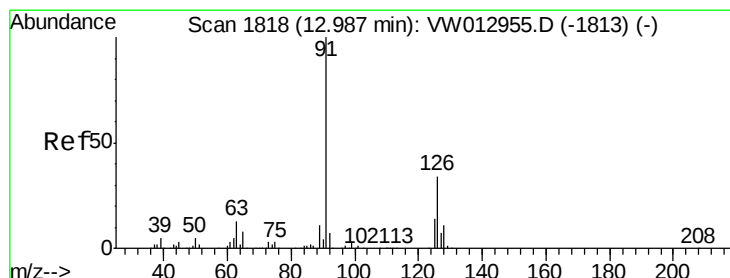
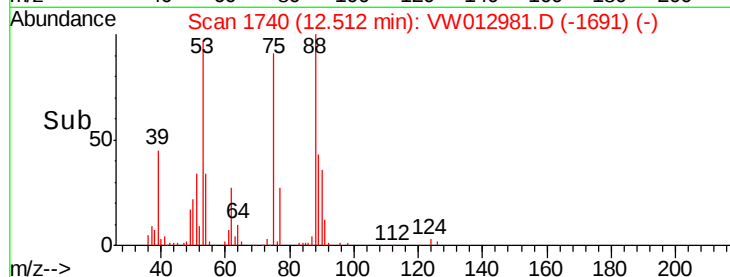
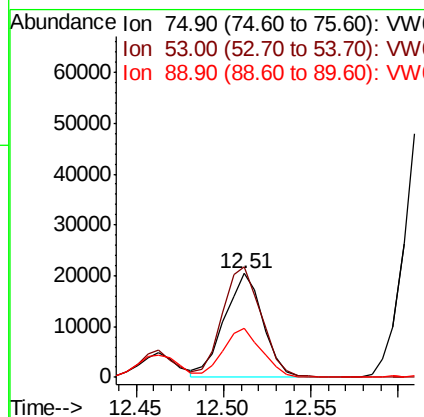
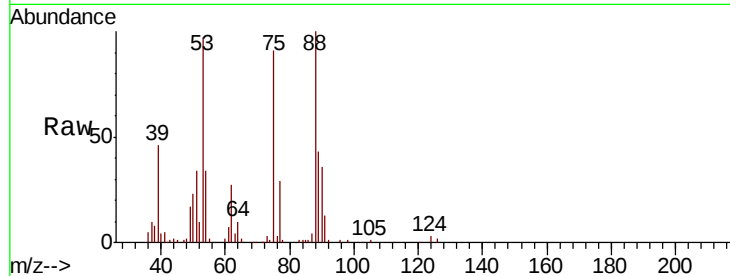
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 31174 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 110.2 | 85.6  | 128.4 |
| 89       | 47.6  | 37.2  | 55.8  |

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#82

4-Chlorotoluene

Concen: 47.611 ug/l

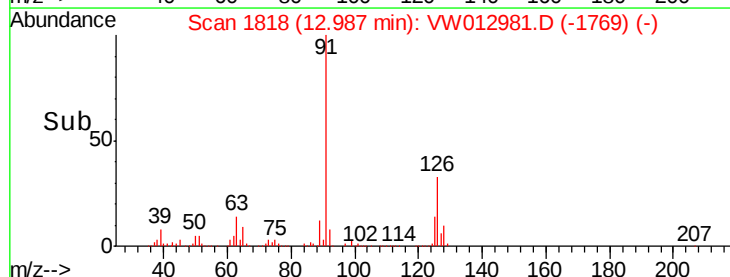
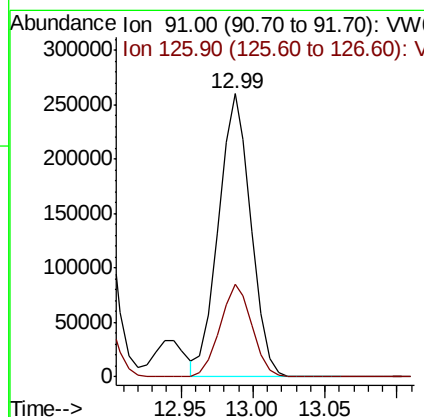
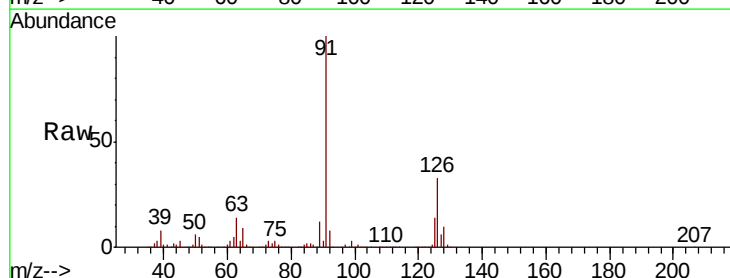
RT: 12.99 min Scan# 1818

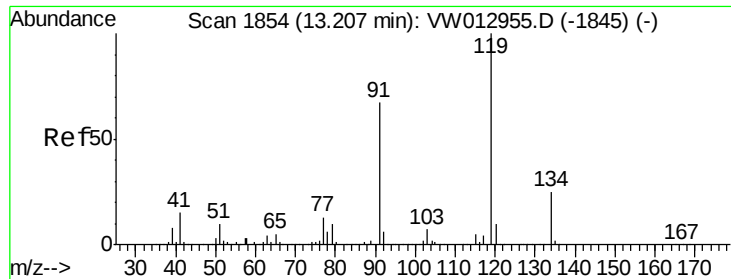
Delta R.T. -0.00 min

Lab File: VW012981.D

Acq: 14 Sep 2019 03:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 407674 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 32.5  | 16.1  | 48.3   |





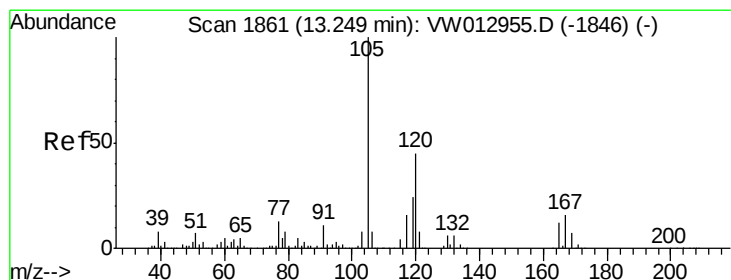
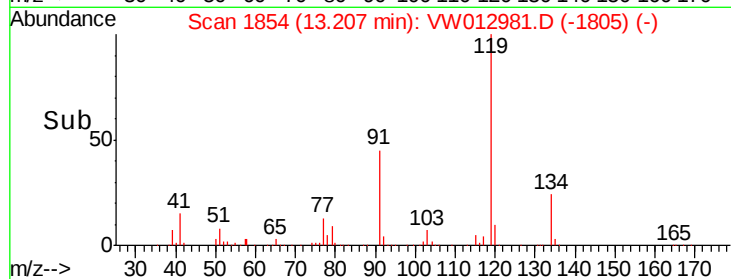
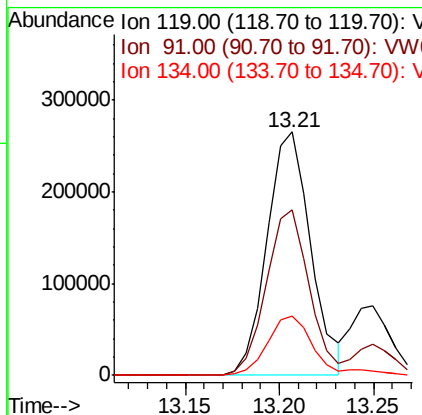
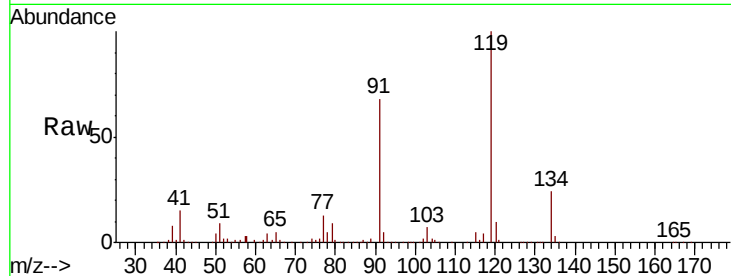
#83  
 tert-Butylbenzene  
 Concen: 47.210 ug/l  
 RT: 13.21 min Scan# 1854  
 Delta R.T. -0.00 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 66.2  | 32.6  | 98.0  |
| 134     | 26.2  | 12.4  | 37.4  |

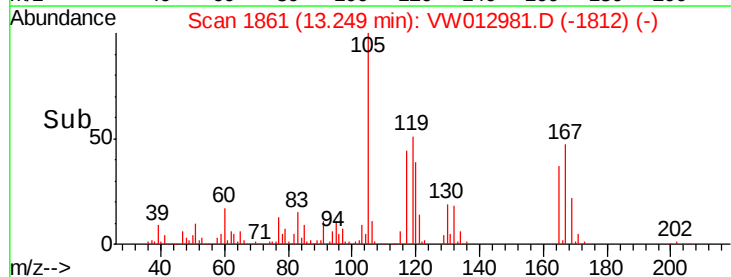
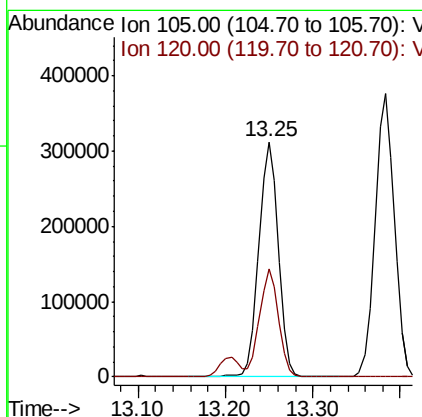
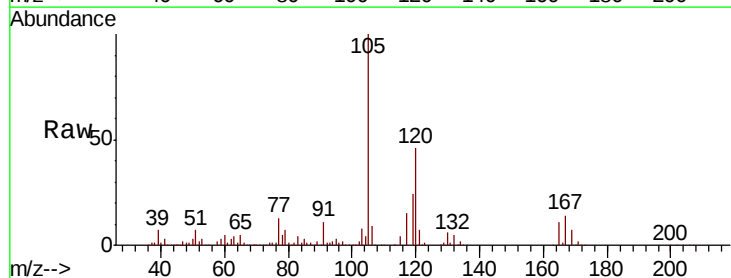
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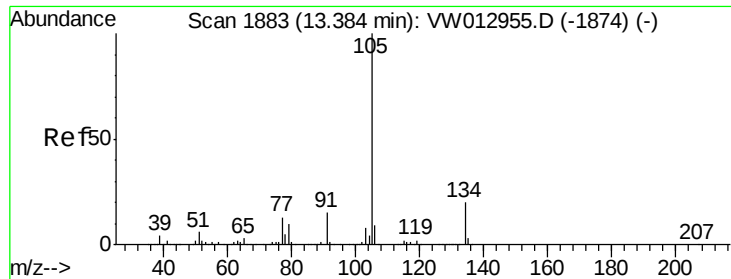
MMDadoda  
 9/16/2019 12:43:54 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 48.320 ug/l  
 RT: 13.25 min Scan# 1861  
 Delta R.T. -0.00 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.2  | 21.9  | 65.7  |





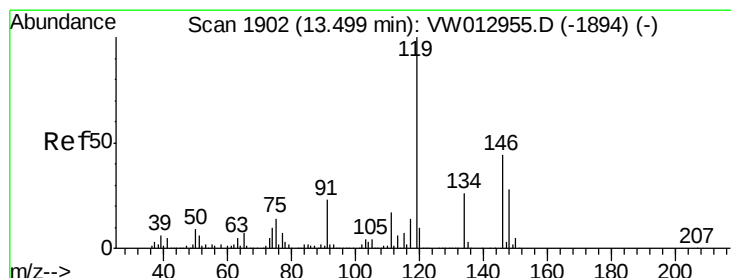
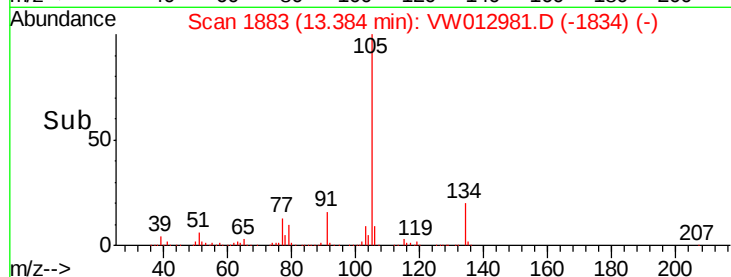
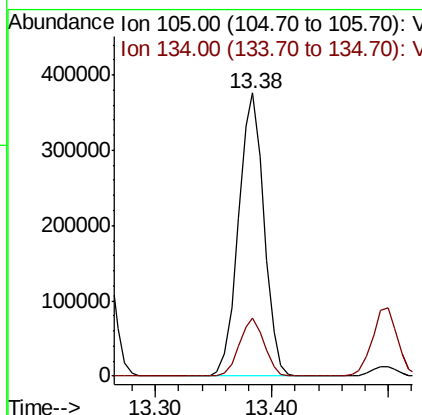
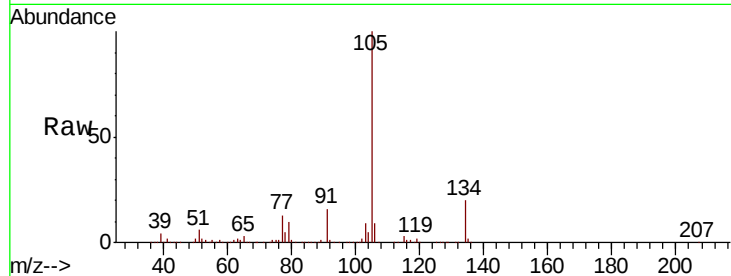
#85  
 sec-Butylbenzene  
 Concen: 46.391 ug/l  
 RT: 13.38 min Scan# 1883  
 Delta R.T. -0.00 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion:105 Resp: 574013  
 Ion Ratio Lower Upper  
 105 100  
 134 20.0 10.2 30.4

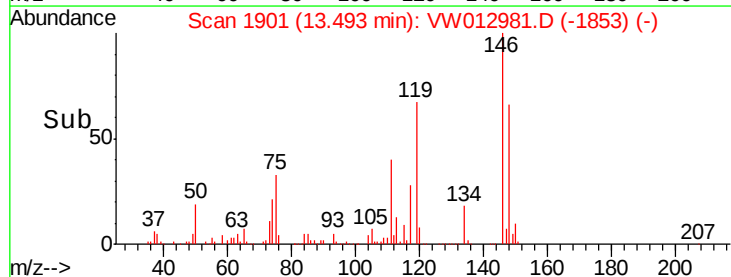
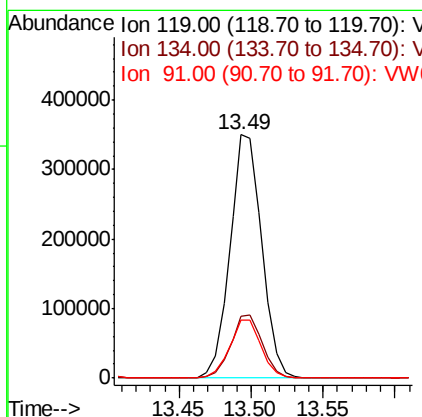
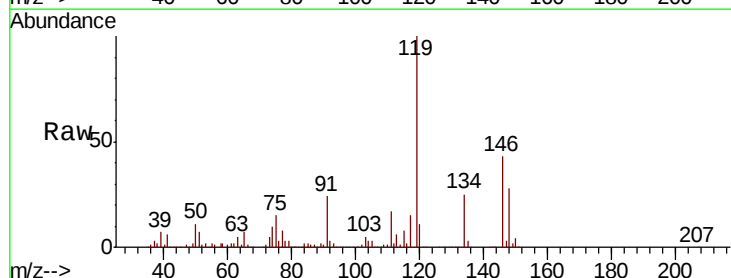
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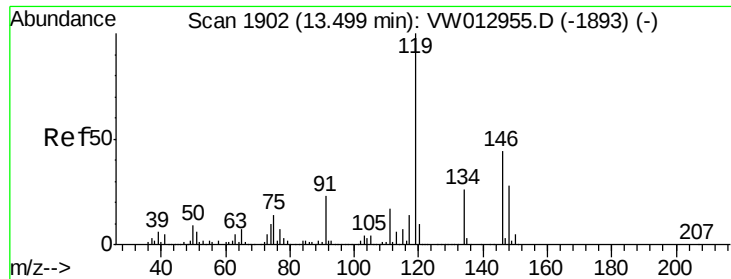
MMDadoda  
 9/16/2019 12:43:54 AM



#86  
 p-Isopropyltoluene  
 Concen: 47.301 ug/l  
 RT: 13.49 min Scan# 1901  
 Delta R.T. -0.01 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

Tgt Ion:119 Resp: 537345  
 Ion Ratio Lower Upper  
 119 100  
 134 25.5 12.8 38.3  
 91 23.6 11.8 35.4





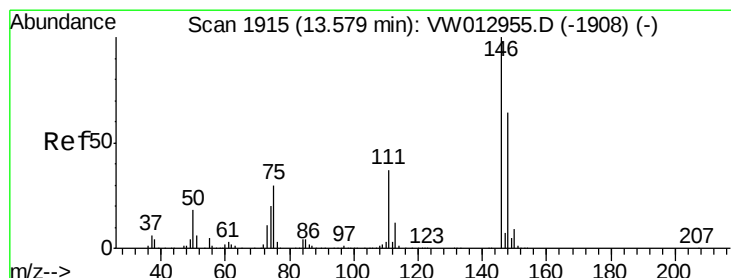
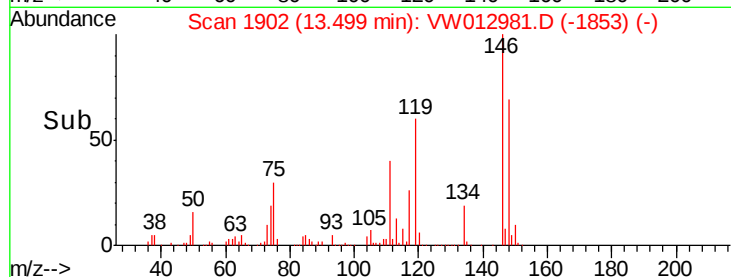
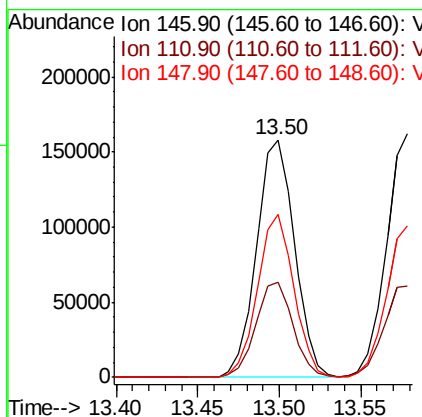
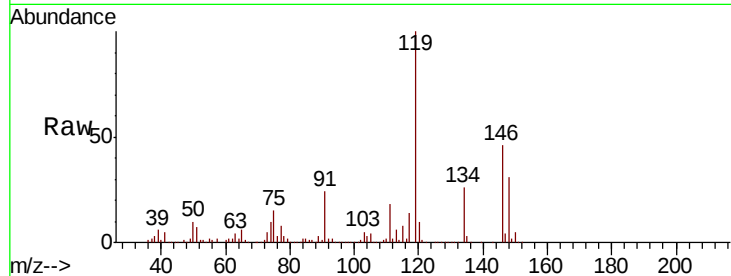
#87  
 1,3-Dichlorobenzene  
 Concen: 46.667 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.4  | 19.8  | 59.4  |
| 148     | 65.8  | 31.9  | 95.7  |

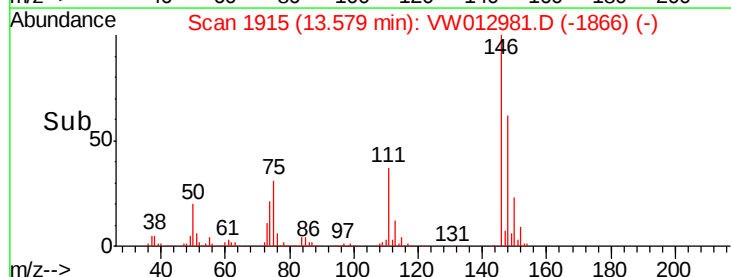
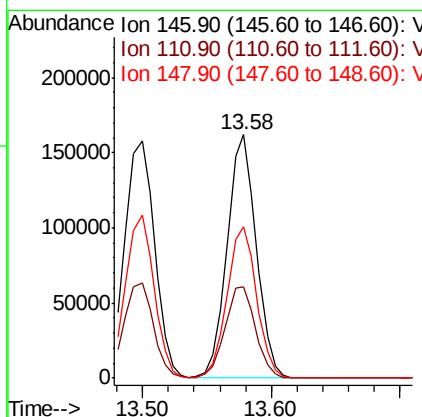
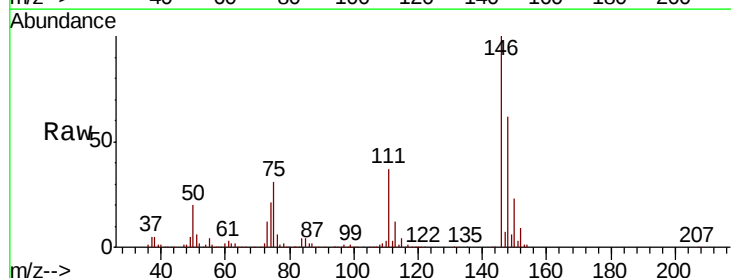
Manual Integrations  
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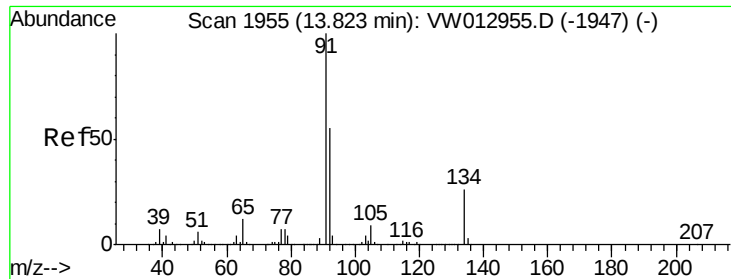
MMDadoda  
 9/16/2019 12:43:54 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 47.743 ug/l  
 RT: 13.58 min Scan# 1915  
 Delta R.T. -0.00 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.3  | 19.4  | 58.2  |
| 148     | 63.0  | 31.9  | 95.5  |





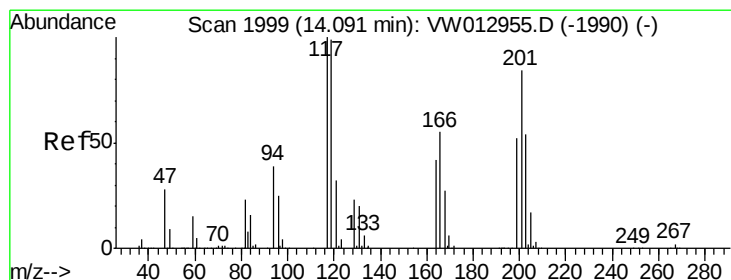
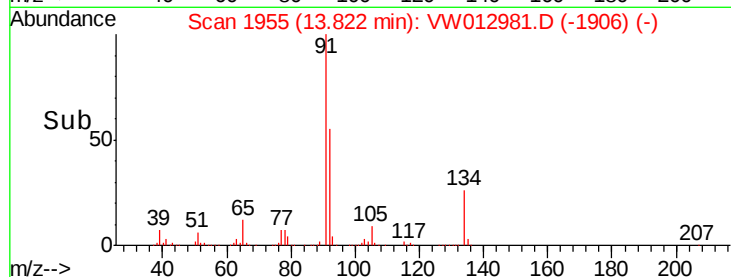
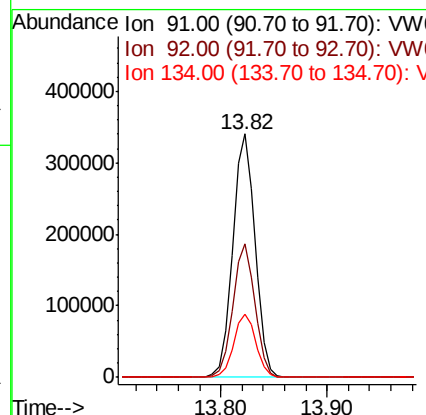
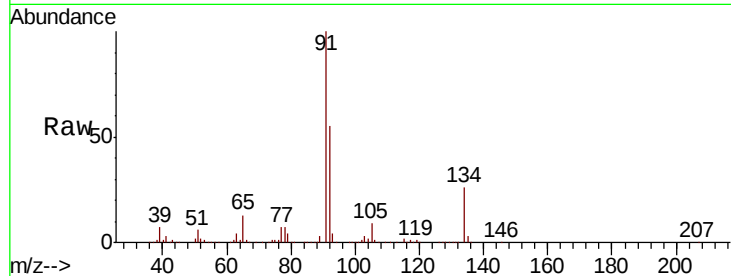
#89  
n-Butylbenzene  
Concen: 46.571 ug/l  
RT: 13.82 min Scan# 1955  
Delta R.T. -0.00 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 498940 |       |       |
| 92      | 54.2  | 27.2   | 81.5  |       |
| 134     | 26.0  | 13.1   | 39.1  |       |

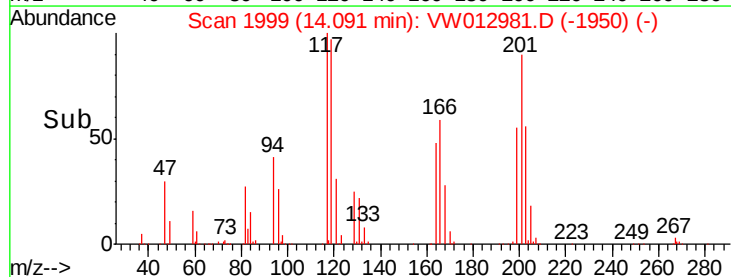
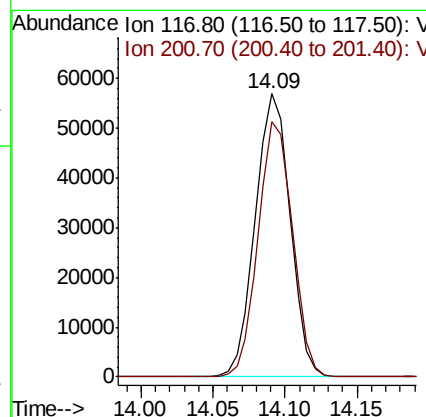
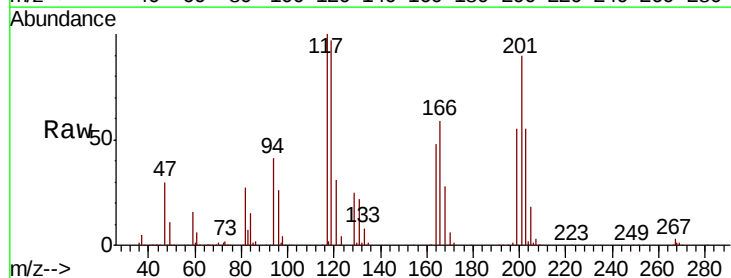
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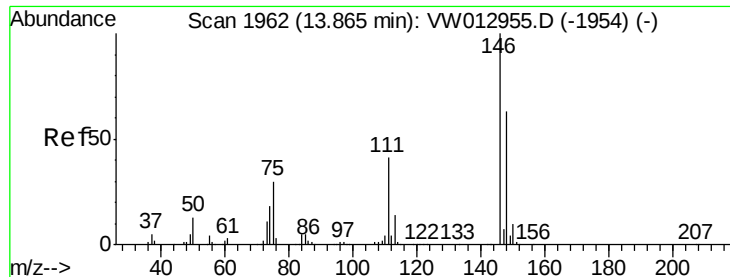
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#90  
Hexachloroethane  
Concen: 46.758 ug/l  
RT: 14.09 min Scan# 1999  
Delta R.T. -0.00 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 95188 |       |       |
| 201     | 89.0  | 45.3  | 135.9 |       |





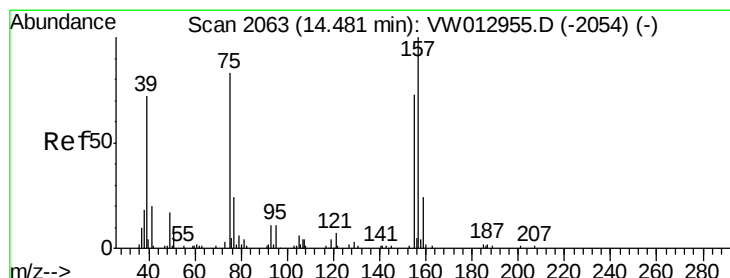
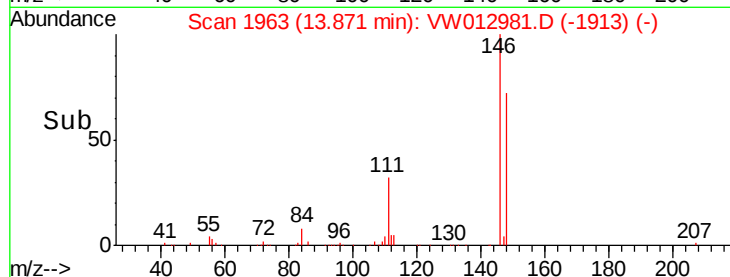
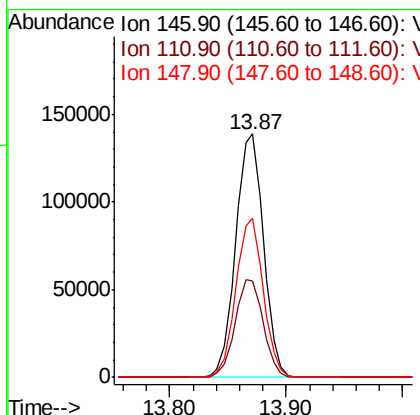
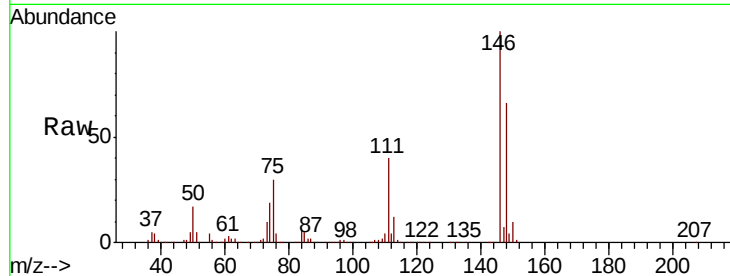
#91  
 1,2-Dichlorobenzene  
 Concen: 48.107 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. 0.01 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.7  | 20.8  | 62.5  |
| 148     | 64.2  | 32.7  | 98.1  |

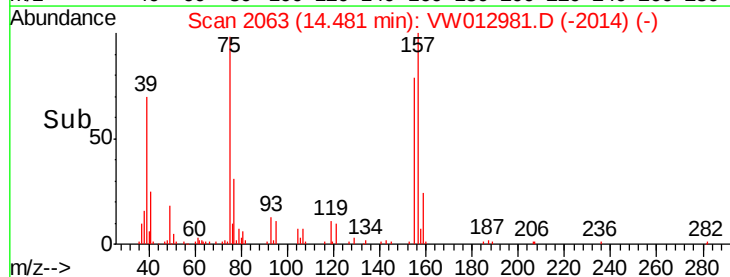
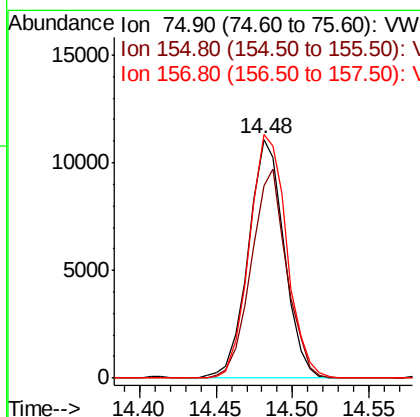
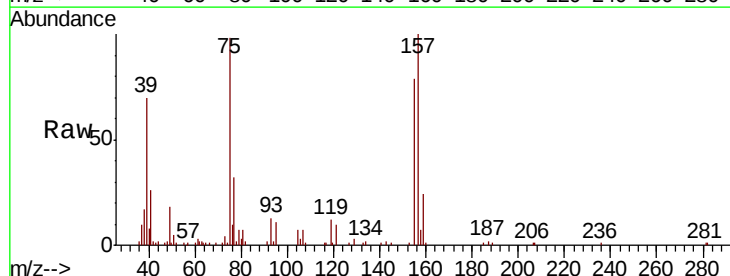
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 46.667 ug/l  
 RT: 14.48 min Scan# 2063  
 Delta R.T. -0.00 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 86.8  | 43.3  | 129.9 |
| 157     | 106.6 | 54.7  | 164.1 |





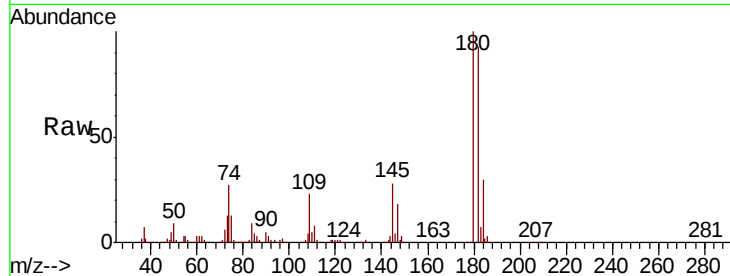
#93  
 1,2,4-Trichlorobenzene  
 Concen: 48.365 ug/l  
 RT: 15.13 min Scan# 2170  
 Delta R.T. -0.00 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 166017 |       |       |
| 182     | 95.7  | 47.4   | 142.2 |       |
| 145     | 28.5  | 14.9   | 44.7  |       |

Manual Integrations  
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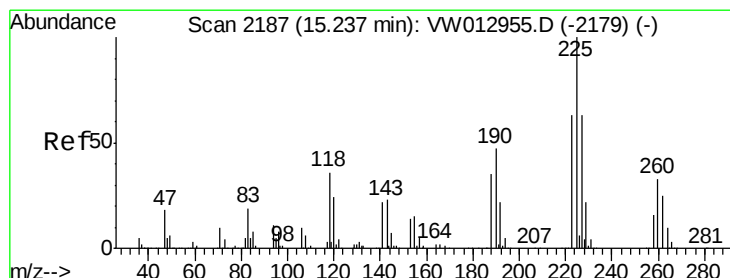
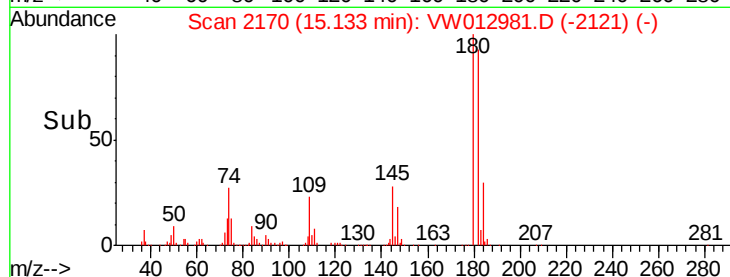
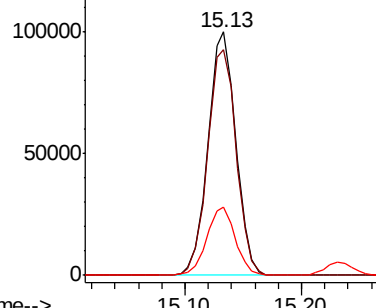


Abundance

Ion 179.80 (179.50 to 180.50): V

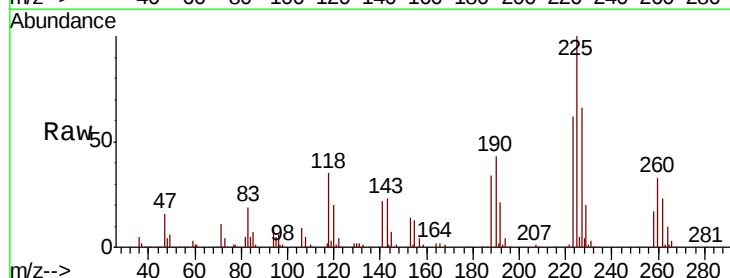
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94  
 Hexachlorobutadiene  
 Concen: 45.445 ug/l  
 RT: 15.24 min Scan# 2187  
 Delta R.T. -0.00 min  
 Lab File: VW012981.D  
 Acq: 14 Sep 2019 03:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 110431 |       |       |
| 223     | 62.1  | 31.8   | 95.3  |       |
| 227     | 64.0  | 31.3   | 93.8  |       |

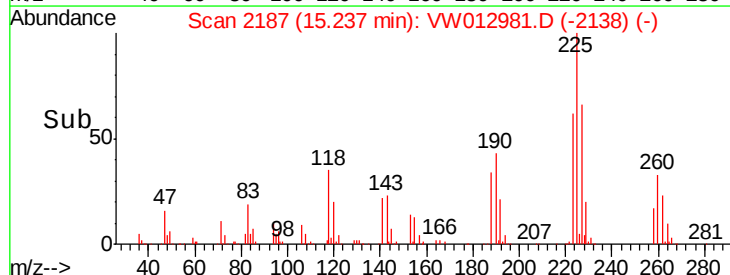
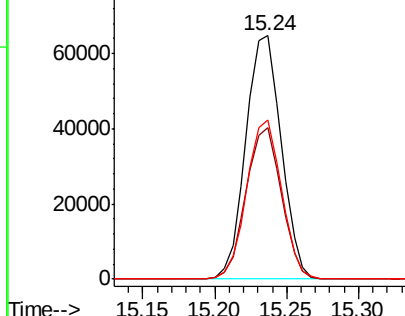


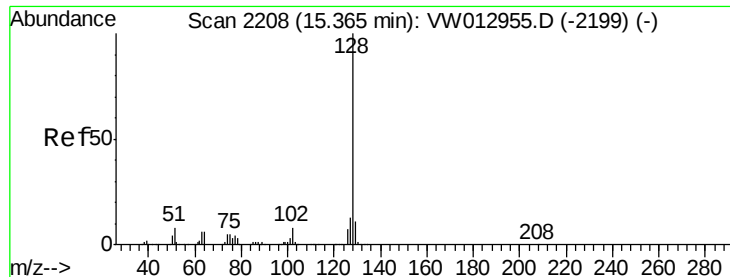
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





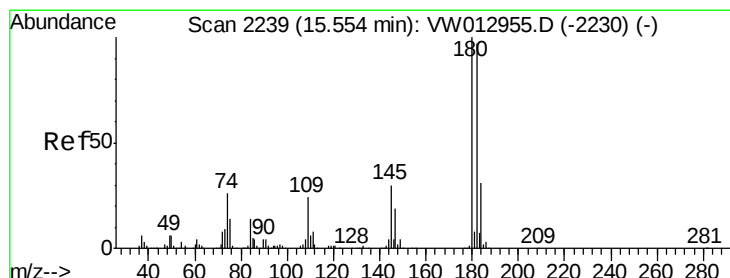
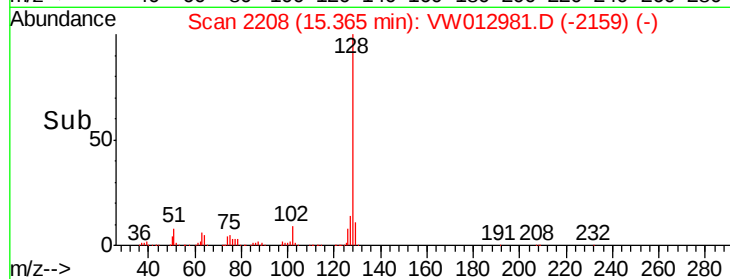
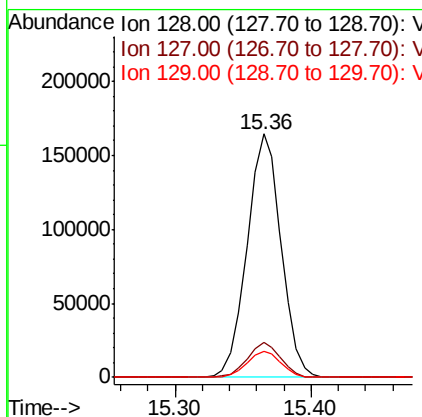
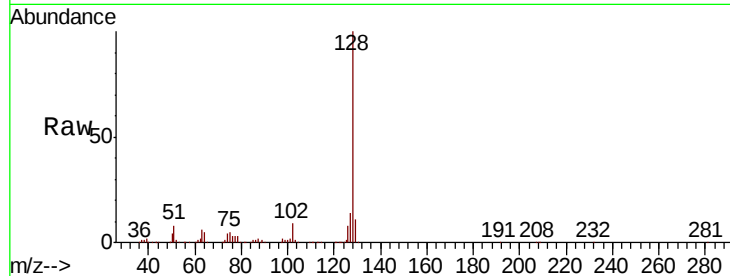
#95  
Naphthalene  
Concen: 50.174 ug/l  
RT: 15.36 min Scan# 2208  
Delta R.T. -0.00 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 14.0  | 11.0  | 16.6  |
| 129     | 10.9  | 8.6   | 12.8  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 47.464 ug/l  
RT: 15.55 min Scan# 2239  
Delta R.T. -0.00 min  
Lab File: VW012981.D  
Acq: 14 Sep 2019 03:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.0  | 47.6  | 142.8 |
| 145     | 30.9  | 15.4  | 46.2  |

