

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\  
 Data File : VW011332.D  
 Acq On : 18 Jul 2019 14:09  
 Operator : SY/VA  
 Sample : VW0718SBS01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0718SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 7/19/2019 9:53:54 AM

Quant Time: Jul 19 07:00:44 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W070819S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 11 08:14:17 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 188699   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 306790   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 265941   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 129065   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 102908   | 43.40 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 86.80% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 84700    | 46.32 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.64% |          |
| 50) Toluene-d8              | 10.32 | 98   | 346930   | 46.94 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.88% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 121468   | 44.83 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 89.66% |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units  | Qvalue |
|-------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85   | 30766    | 21.861 | ug/l   | 98     |
| 3) Chloromethane              | 2.21 | 50   | 38362    | 21.154 | ug/l   | 100    |
| 4) Vinyl Chloride             | 2.36 | 62   | 49695    | 20.937 | ug/l   | 94     |
| 5) Bromomethane               | 2.76 | 94   | 24446    | 20.497 | ug/l   | 95     |
| 6) Chloroethane               | 2.90 | 64   | 26073    | 20.395 | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 3.24 | 101  | 15705    | 18.626 | ug/l   | 96     |
| 8) Diethyl Ether              | 3.68 | 74   | 22340    | 19.148 | ug/l   | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101  | 42848    | 21.215 | ug/l   | 99     |
| 10) Methyl Iodide             | 4.26 | 142  | 56042    | 20.175 | ug/l   | 98     |
| 11) Tert butyl alcohol        | 5.17 | 59   | 17510    | 99.746 | ug/l # | 84     |
| 12) 1,1-Dichloroethene        | 4.03 | 96   | 42623    | 20.333 | ug/l   | 95     |
| 13) Acrolein                  | 3.89 | 56   | 11223    | 80.287 | ug/l   | 100    |
| 14) Allyl chloride            | 4.66 | 41   | 80612    | 21.088 | ug/l   | 100    |
| 15) Acrylonitrile             | 5.36 | 53   | 56386    | 94.897 | ug/l   | 98     |
| 16) Acetone                   | 4.12 | 43   | 55549    | 97.368 | ug/l   | 96     |
| 17) Carbon Disulfide          | 4.37 | 76   | 121850   | 19.173 | ug/l   | 100    |
| 18) Methyl Acetate            | 4.66 | 43   | 37008    | 22.020 | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 5.42 | 73   | 59097    | 18.580 | ug/l   | 99     |
| 20) Methylene Chloride        | 4.90 | 84   | 52605    | 23.374 | ug/l   | 96     |
| 21) trans-1,2-Dichloroethene  | 5.41 | 96   | 45002    | 20.660 | ug/l   | 96     |
| 22) Diisopropyl ether         | 6.31 | 45   | 164214   | 19.973 | ug/l   | 99     |
| 23) Vinyl Acetate             | 6.25 | 43   | 458476   | 90.106 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 6.20 | 63   | 89587    | 20.751 | ug/l   | 98     |
| 25) 2-Butanone                | 7.17 | 43   | 84504    | 94.360 | ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 7.16 | 77   | 48207    | 21.481 | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene    | 7.16 | 96   | 48415    | 20.605 | ug/l   | 98     |
| 28) Bromochloromethane        | 7.51 | 49   | 36998    | 18.847 | ug/l # | 97     |
| 29) Tetrahydrofuran           | 7.52 | 42   | 50677    | 86.300 | ug/l   | 98     |
| 30) Chloroform                | 7.67 | 83   | 82026    | 20.515 | ug/l   | 100    |
| 31) Cyclohexane               | 7.95 | 56   | 94228    | 20.515 | ug/l   | 97     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97   | 62407    | 20.519 | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 8.08 | 75   | 68580    | 20.992 | ug/l   | 99     |
| 37) Ethyl Acetate             | 7.24 | 43   | 37162    | 18.932 | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 8.06 | 117  | 57637    | 20.811 | ug/l   | 97     |

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 Sample : VW0718SBS01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0718SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 7/19/2019 9:53:54 AM

Quant Time: Jul 19 07:00:44 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W070819S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 11 08:14:17 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 81368    | 20.549  | ug/l   | 99       |
| 40) Benzene                    | 8.32  | 78   | 188870   | 20.919  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.48  | 41   | 20199    | 17.992  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 58606    | 20.010  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.42  | 43   | 66129    | 17.844  | ug/l   | 97       |
| 44) Trichloroethene            | 9.09  | 130  | 45305    | 20.852  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 50360    | 20.597  | ug/l   | 97       |
| 46) Dibromomethane             | 9.45  | 93   | 22310    | 19.425  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.64  | 83   | 56863    | 19.350  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.43  | 41   | 31367    | 17.593  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.45  | 88   | 6659     | 347.350 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 177046   | 91.454  | ug/l   | 98       |
| 52) Toluene                    | 10.38 | 92   | 114604   | 20.925  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 56594    | 18.092  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 69760    | 18.947  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 31251    | 19.180  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 44651    | 18.000  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 59838    | 19.421  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 85319    | 74.188  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.97 | 43   | 119908   | 89.314  | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.13 | 129  | 33814    | 18.925  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.23 | 107  | 29617    | 19.190  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.86 | 164  | 38028    | 21.191  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.66 | 112  | 112192   | 20.750  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 38471    | 20.208  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.73 | 91   | 218555   | 21.115  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.84 | 106  | 157073   | 41.938  | ug/l   | 98       |
| 69) o-Xylene                   | 12.16 | 106  | 73187    | 20.733  | ug/l   | 98       |
| 70) Styrene                    | 12.18 | 104  | 125959   | 20.675  | ug/l   | 99       |
| 71) Bromoform                  | 12.35 | 173  | 17878    | 17.663  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.46 | 105  | 204776   | 21.225  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.27 | 43   | 60990    | 18.151  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 38600    | 19.517  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 26379m   | 17.686  | ug/l   |          |
| 77) Bromobenzene               | 12.74 | 156  | 43782    | 20.221  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.80 | 91   | 252969   | 21.285  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 144837   | 21.177  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 172129   | 21.000  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 10406    | 15.780  | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 148480   | 20.844  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 144484   | 21.136  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 173475   | 21.078  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.38 | 105  | 210356   | 21.326  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 187410   | 21.183  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 88824    | 21.322  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 87853    | 20.943  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.82 | 91   | 186029   | 21.078  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.10 | 117  | 31861    | 19.708  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 78141    | 20.676  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 6087     | 17.352  | ug/l   | 97       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\  
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Acq On : 18 Jul 2019 14:09  
Operator : SY/VA  
Sample : VW0718SBS01  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0718SBS01

Manual Integrations  
APPROVED

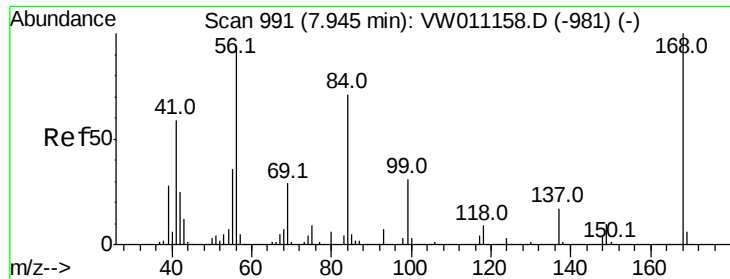
MMDadoda  
7/19/2019 9:53:54 AM

Quant Time: Jul 19 07:00:44 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W070819S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 11 08:14:17 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.13 | 180  | 52465    | 20.155 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 34000    | 21.275 | ug/l  | 99       |
| 95) Naphthalene            | 15.37 | 128  | 88840    | 17.810 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.56 | 180  | 44964    | 19.572 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA\_W

ClientSampleId :

VW0718SBS01

Tot Ion:168 Resp: 188699

Ion Ratio Lower Upper

168 100

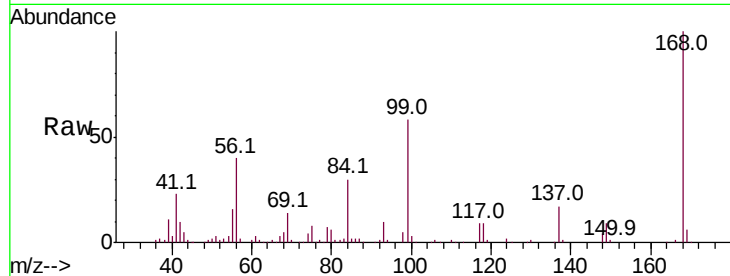
99 57.8 50.1 75.1

Manual Integrations

APPROVED

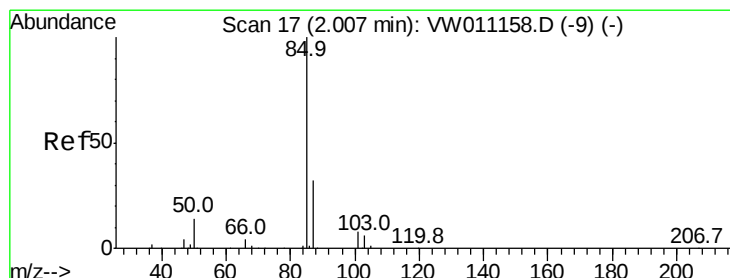
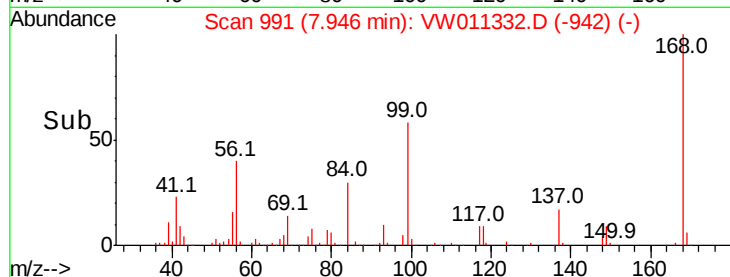
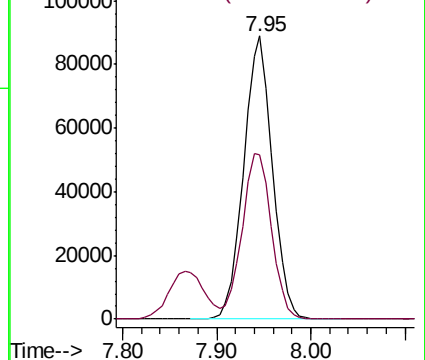
MMDadoda

7/19/2019 9:53:54 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 21.861 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011332.D

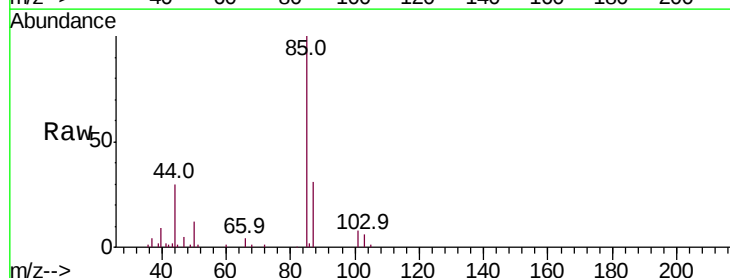
Acq: 18 Jul 2019 14:09

Tgt Ion: 85 Resp: 30766

Ion Ratio Lower Upper

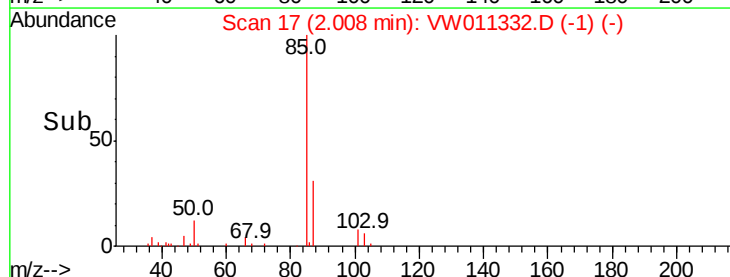
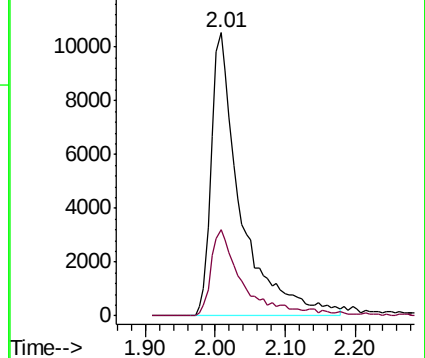
85 100

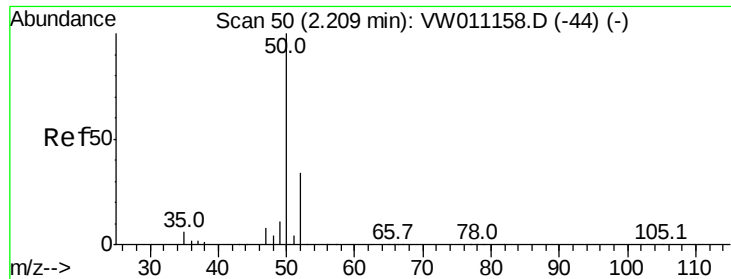
87 30.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.154 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA\_W

ClientSampleId :

VW0718SBS01

Tot Ion: 50 Resp: 38362

Ion Ratio Lower Upper

50 100

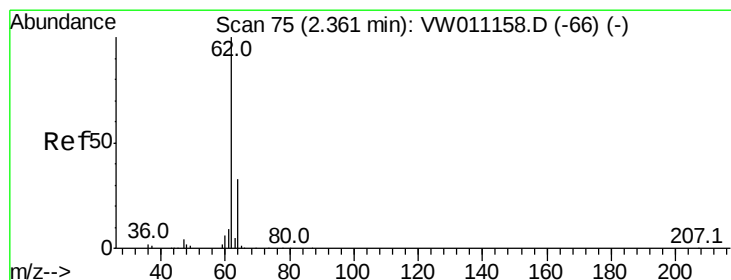
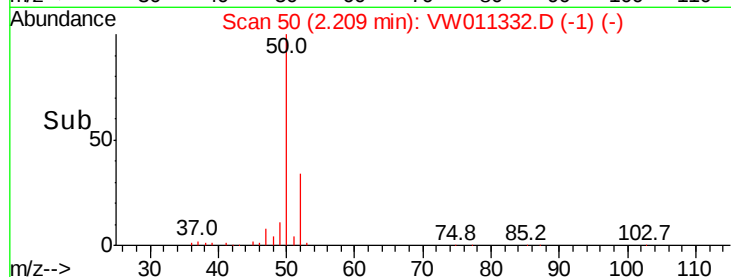
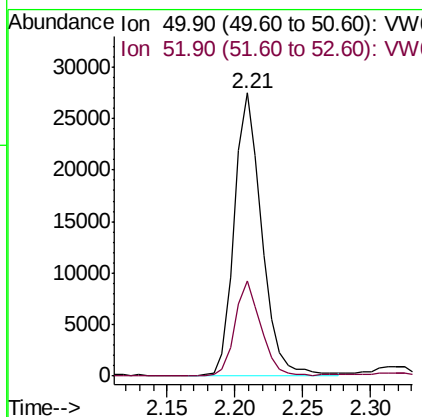
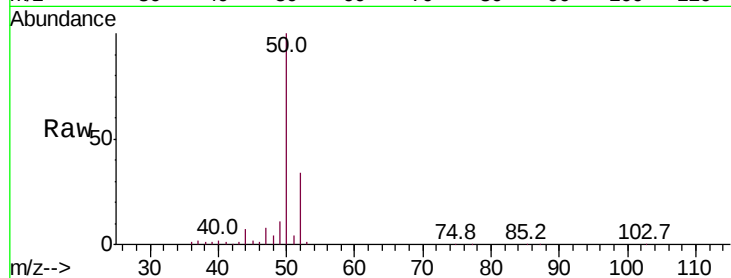
52 33.8 26.9 40.3

Manual Integrations

APPROVED

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7/19/2019 9:53:54 AM



#4

Vinyl Chloride

Concen: 20.937 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011332.D

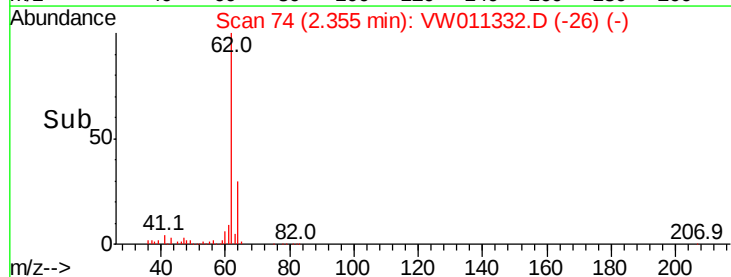
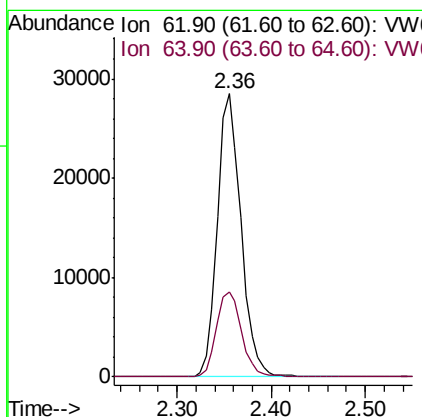
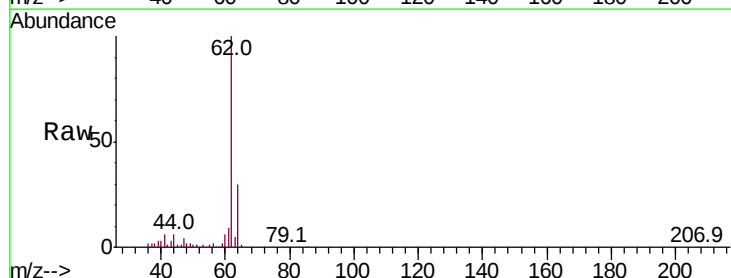
Acq: 18 Jul 2019 14:09

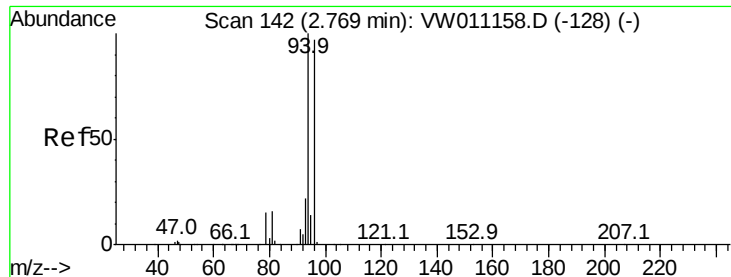
Tgt Ion: 62 Resp: 49695

Ion Ratio Lower Upper

62 100

64 30.2 26.6 40.0





#5

Bromomethane

Concen: 20.497 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA\_W

ClientSampleId :

VW0718SBS01

Tot Ion: 94 Resp: 24446

Ion Ratio Lower Upper

94 100

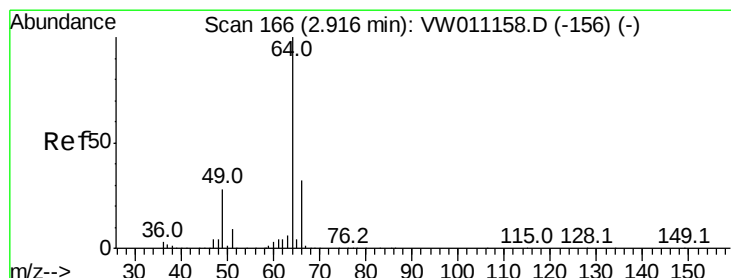
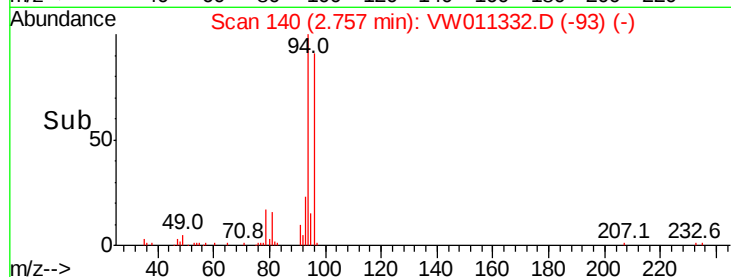
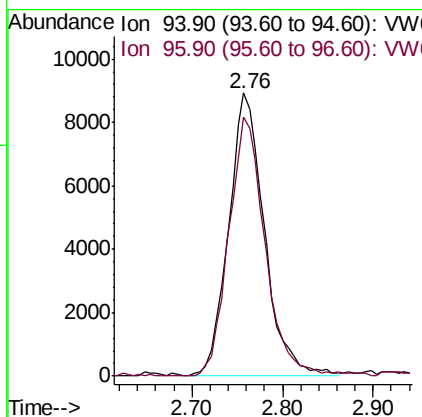
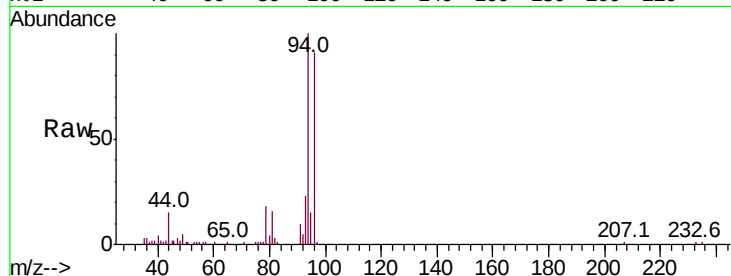
96 91.3 77.4 116.0

Manual Integrations

APPROVED

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7/19/2019 9:53:54 AM



#6

Chloroethane

Concen: 20.395 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW011332.D

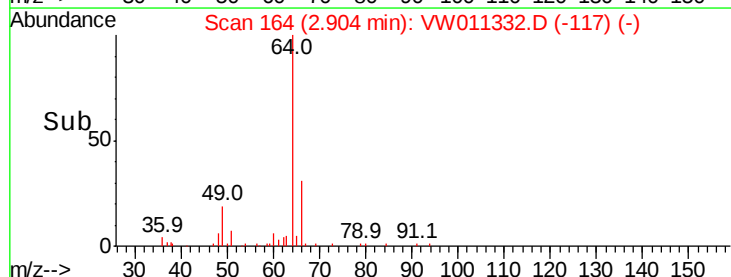
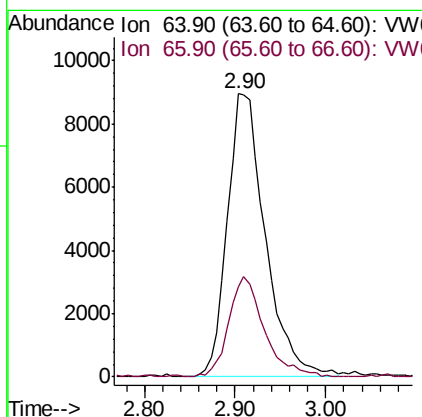
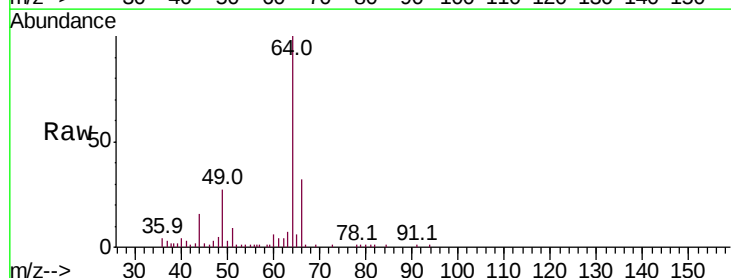
Acq: 18 Jul 2019 14:09

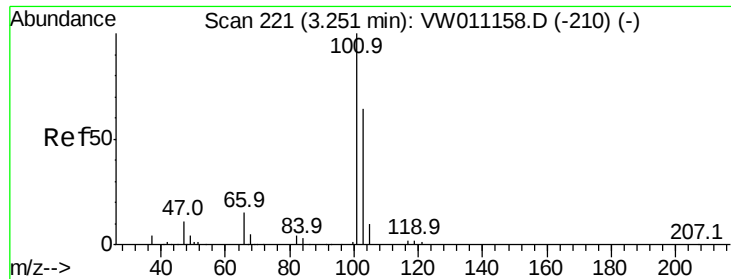
Tgt Ion: 64 Resp: 26073

Ion Ratio Lower Upper

64 100

66 31.7 25.8 38.8





#7

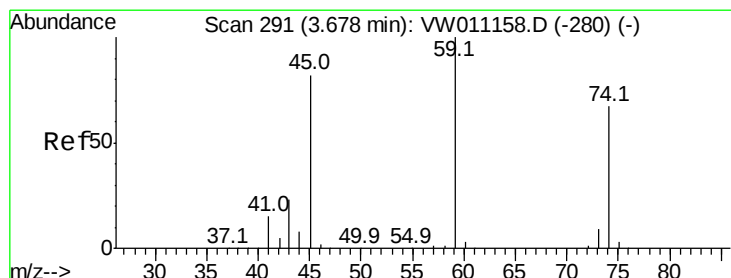
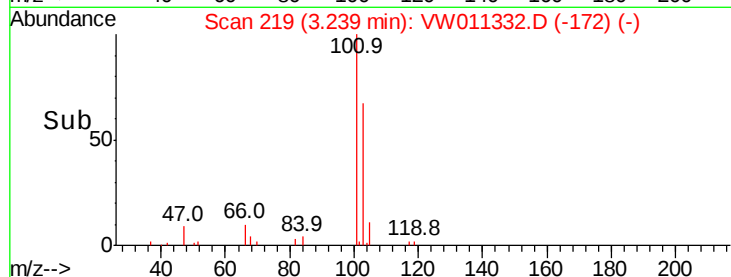
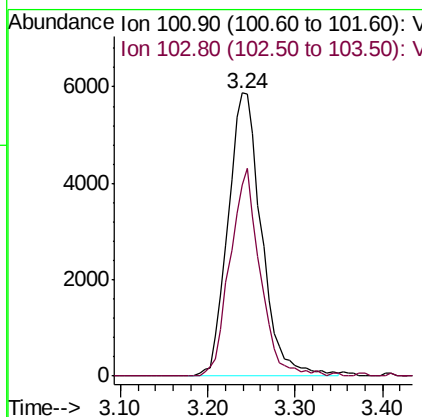
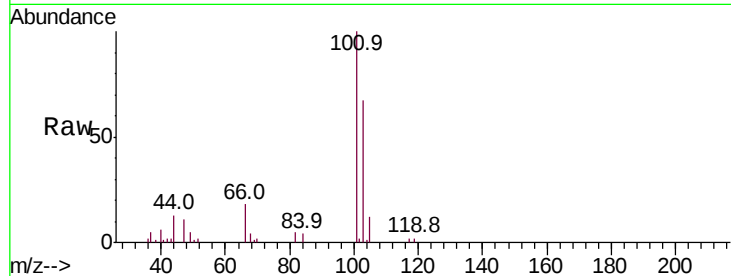
Trichlorofluoromethane  
Concen: 18.626 ug/l  
RT: 3.24 min Scan# 219  
Delta R.T. -0.01 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0718SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 67.4  | 51.3  | 76.9  |

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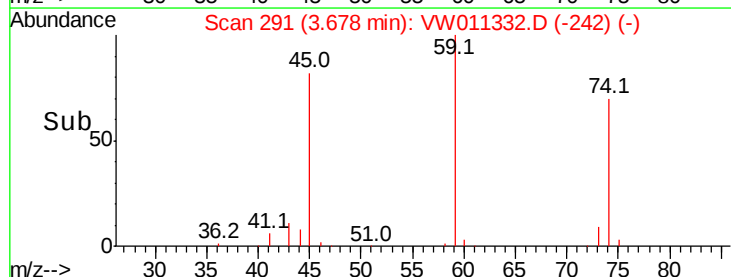
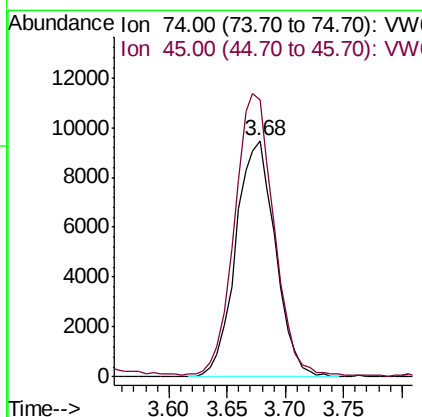
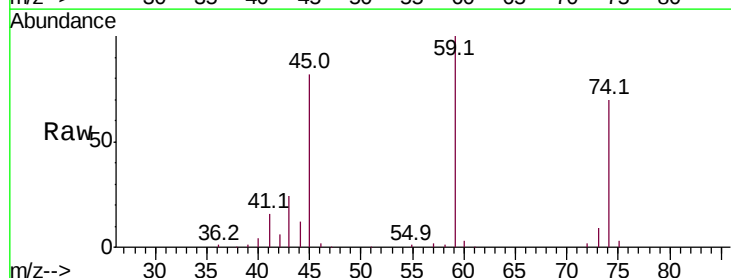
MMDadoda  
7/19/2019 9:53:54 AM

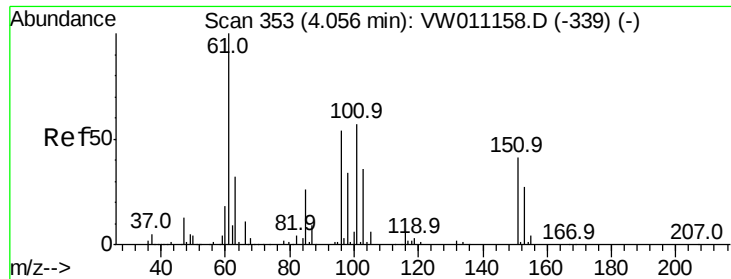


#8

Diethyl Ether  
Concen: 19.148 ug/l  
RT: 3.68 min Scan# 291  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 119.6 | 59.9  | 179.7 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.215 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA\_W

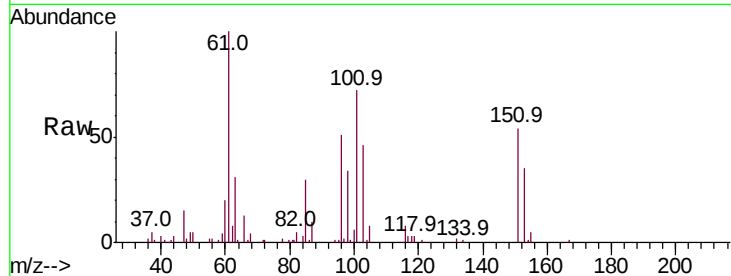
ClientSampleId :

VW0718SBS01

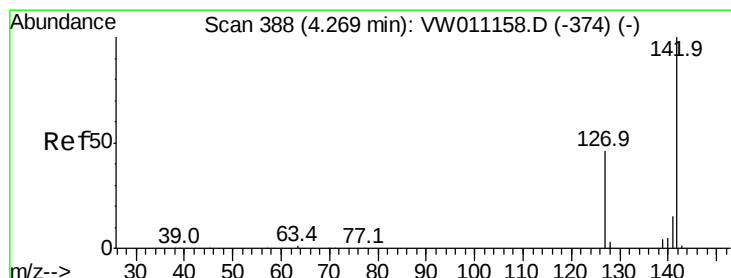
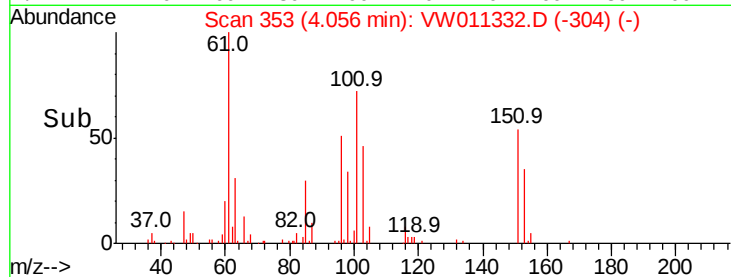
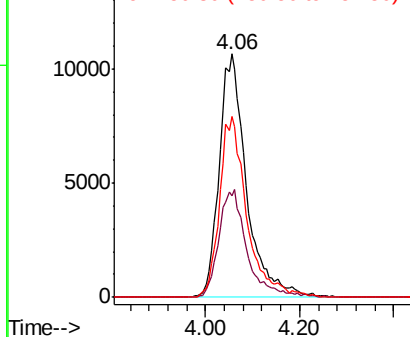
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 42848 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 45.0  | 36.5  | 54.7  |
| 151       | 74.1  | 59.1  | 88.7  |

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Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): V  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.175 ug/l

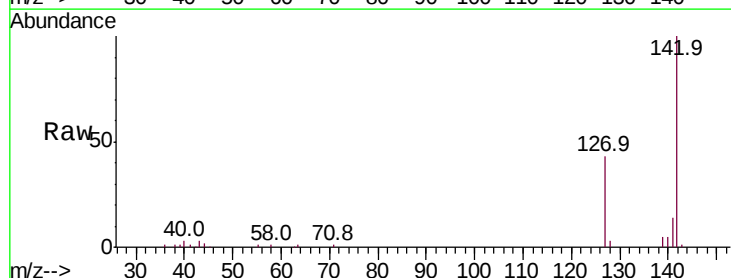
RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

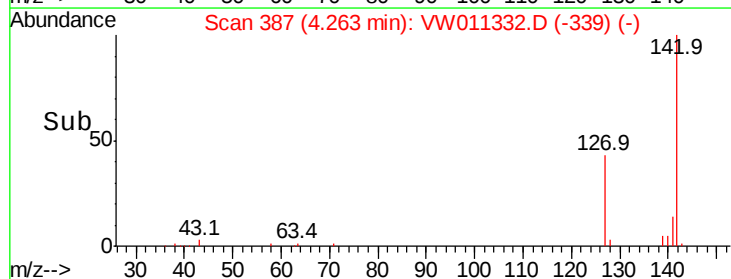
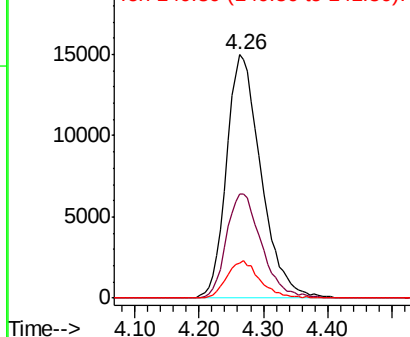
Lab File: VW011332.D

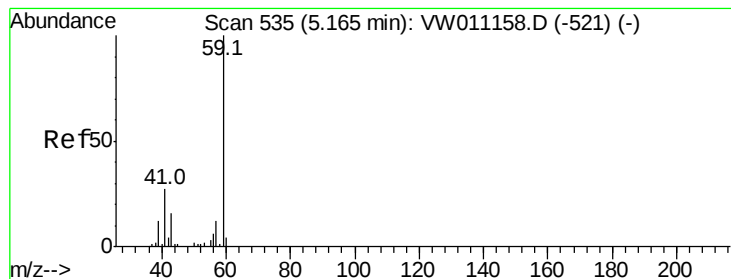
Acq: 18 Jul 2019 14:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 56042 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 43.4  | 35.7  | 53.5  |
| 141       | 14.7  | 11.5  | 17.3  |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





#11

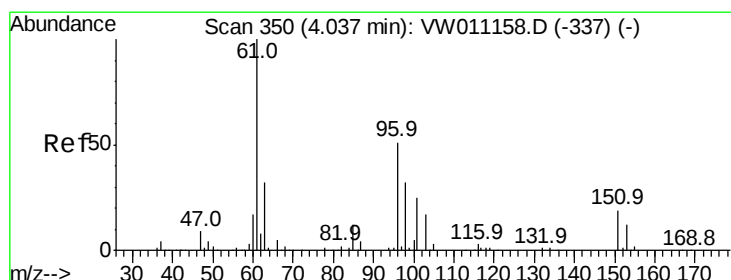
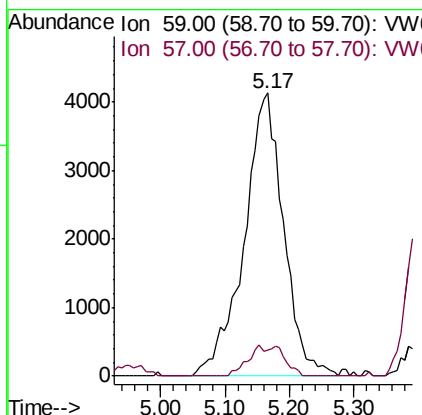
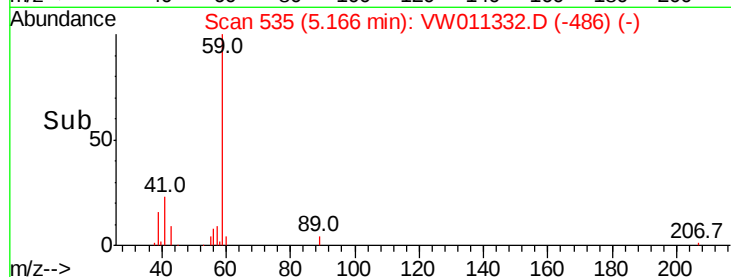
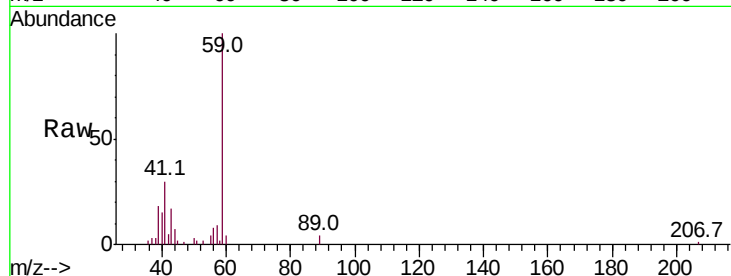
Tert butyl alcohol  
Concen: 99.746 ug/l  
RT: 5.17 min Scan# 535  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0718SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 5.3   | 9.0   | 13.6# |

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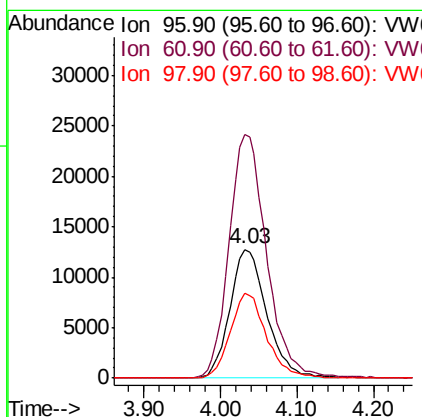
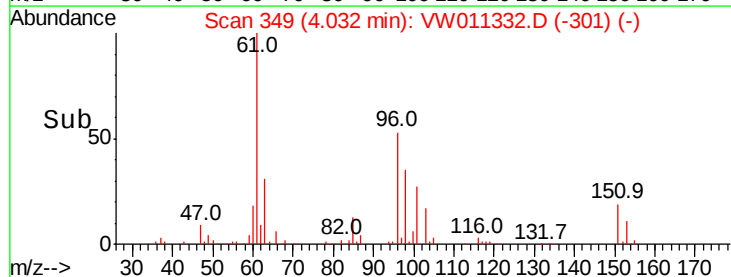
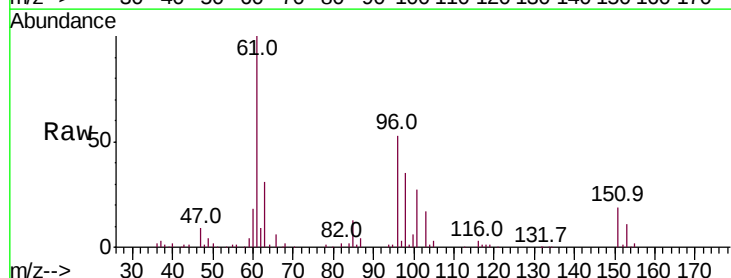
MMDadoda  
7/19/2019 9:53:54 AM

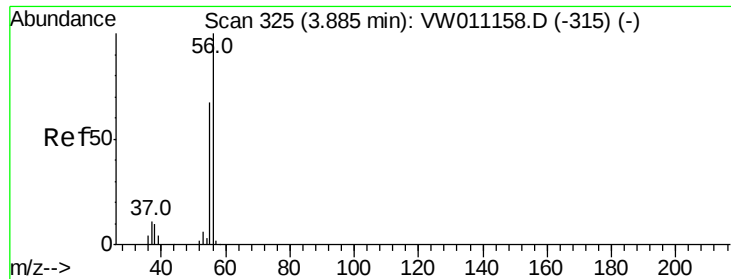


#12

1,1-Dichloroethene  
Concen: 20.333 ug/l  
RT: 4.03 min Scan# 349  
Delta R.T. -0.01 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 189.0 | 157.7 | 236.5 |
| 98      | 65.6  | 50.9  | 76.3  |





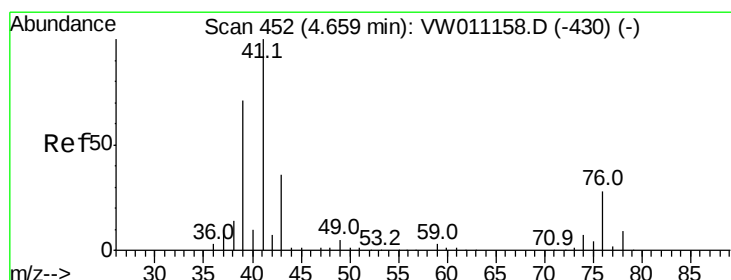
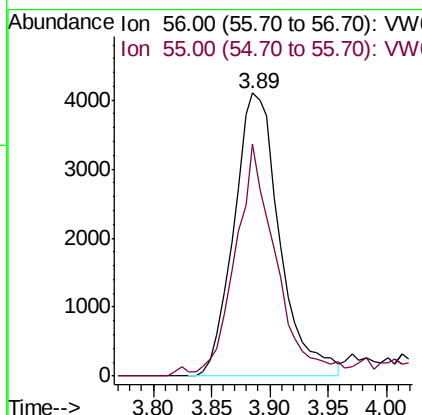
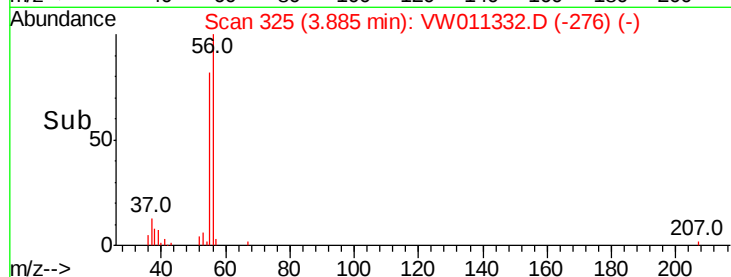
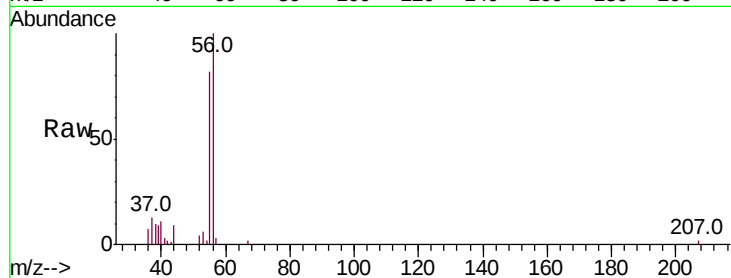
#13  
Acrolein  
Concen: 80.287 ug/l  
RT: 3.89 min Scan# 325  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0718SBS01

| Tot Ion | 56  | 55   | Ratio | 100 | 70.2 | Resp | 11223 | Lower | Upper |
|---------|-----|------|-------|-----|------|------|-------|-------|-------|
| 56      | 100 |      |       |     |      |      |       |       |       |
| 55      |     | 70.2 |       |     |      |      |       | 56.4  | 84.6  |

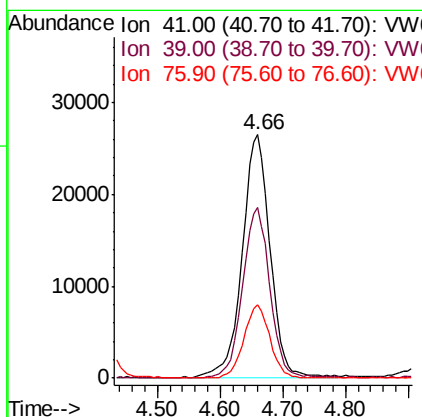
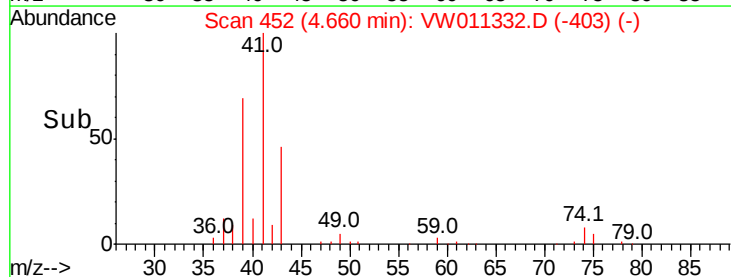
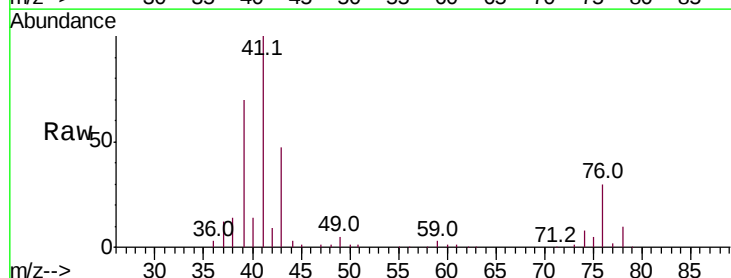
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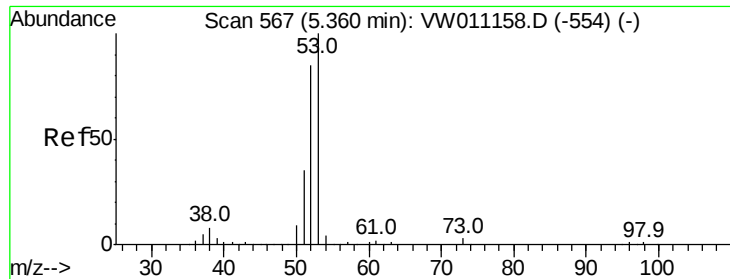
MMDadoda  
7/19/2019 9:53:54 AM



#14  
Allyl chloride  
Concen: 21.088 ug/l  
RT: 4.66 min Scan# 452  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

| Tgt Ion | 41  | 39   | 76   | Ratio | 100 | 68.6 | 28.4 | Resp | 80612 | Lower | Upper |
|---------|-----|------|------|-------|-----|------|------|------|-------|-------|-------|
| 41      | 100 |      |      |       |     |      |      |      |       |       |       |
| 39      |     | 68.6 |      |       |     |      |      |      |       | 55.1  | 82.7  |
| 76      |     |      | 28.4 |       |     |      |      |      |       | 22.5  | 33.7  |





#15

Acrylonitrile

Concen: 94.897 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA\_W

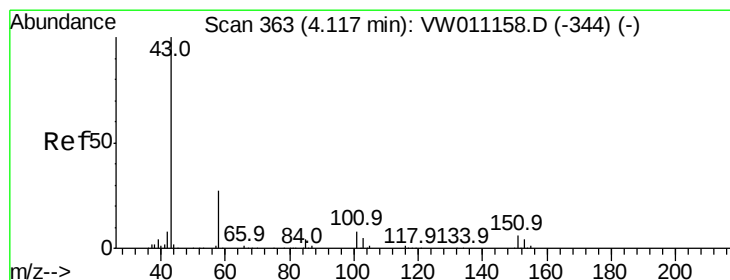
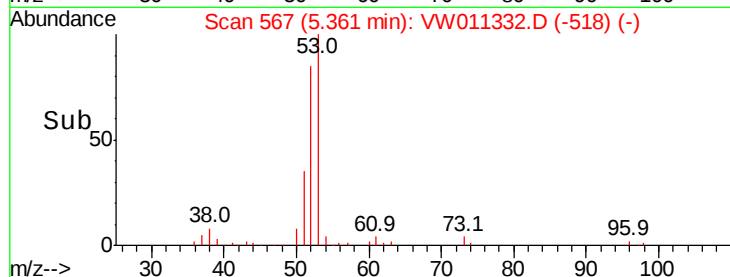
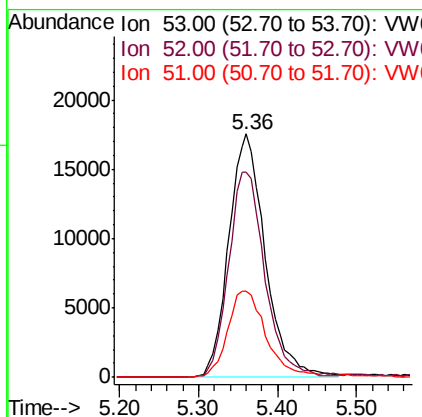
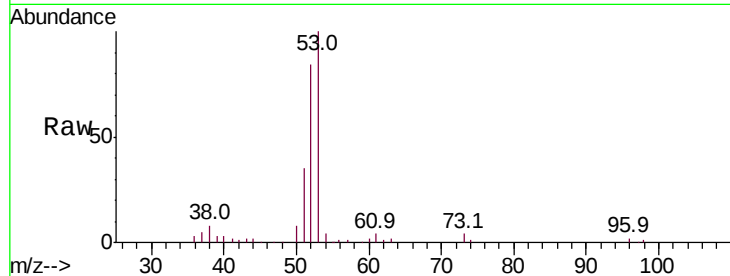
ClientSampleId :

VW0718SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 53    | Resp: | 56386 |
| Ion Ratio | Lower | Upper |       |
| 53        | 100   |       |       |
| 52        | 84.4  | 66.2  | 99.4  |
| 51        | 37.4  | 29.1  | 43.7  |

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#16

Acetone

Concen: 97.368 ug/l

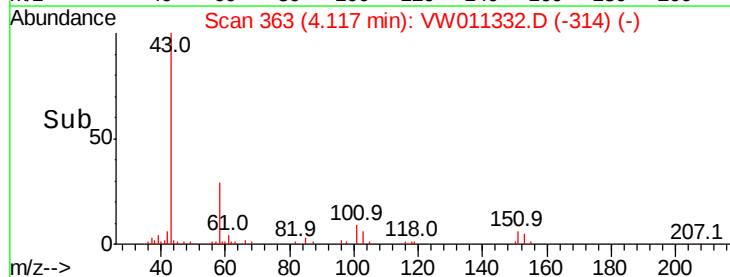
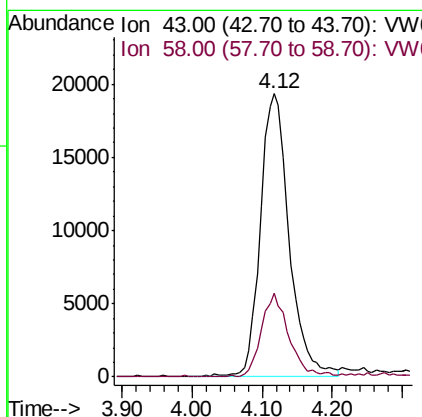
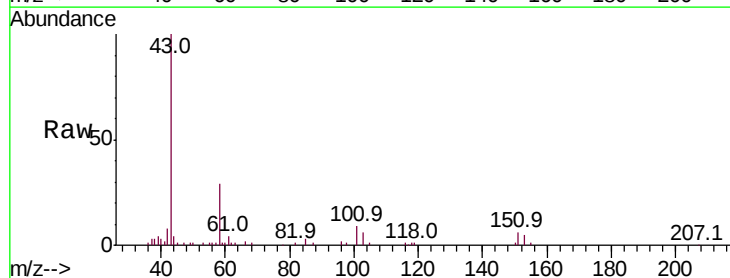
RT: 4.12 min Scan# 363

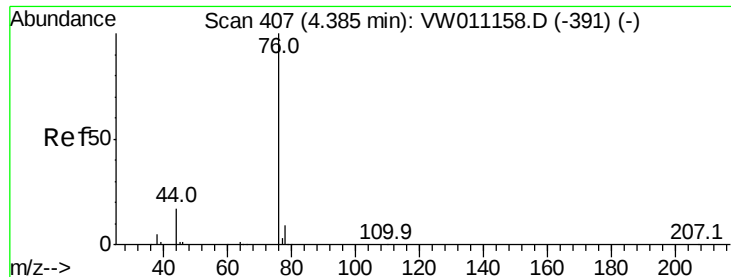
Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 55549 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 29.4  | 21.8  | 32.6  |





#17

Carbon Disulfide

Concen: 19.173 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA\_W

ClientSampleId :

VW0718SBS01

Tot Ion: 76 Resp: 121850

Ion Ratio Lower Upper

76 100

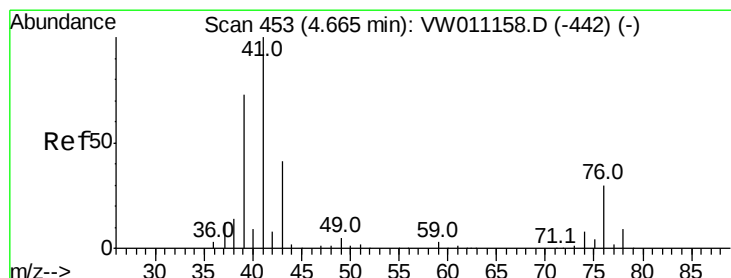
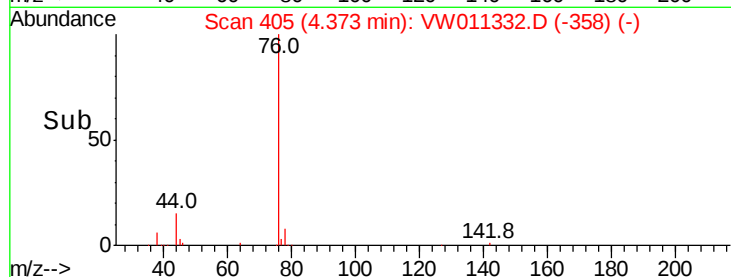
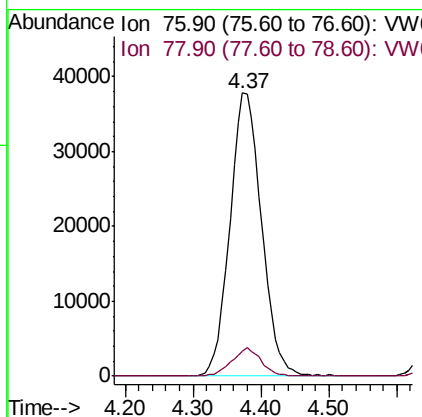
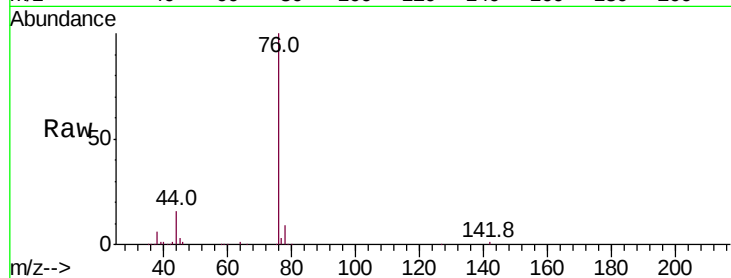
78 8.9 7.1 10.7

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#18

Methyl Acetate

Concen: 22.020 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011332.D

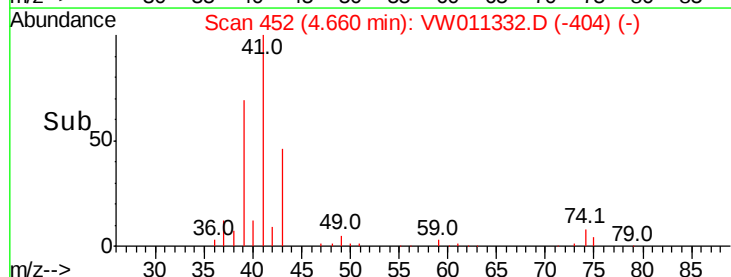
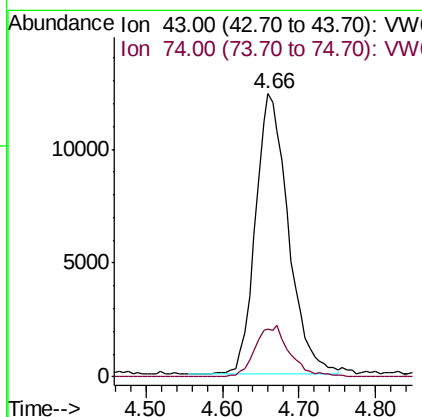
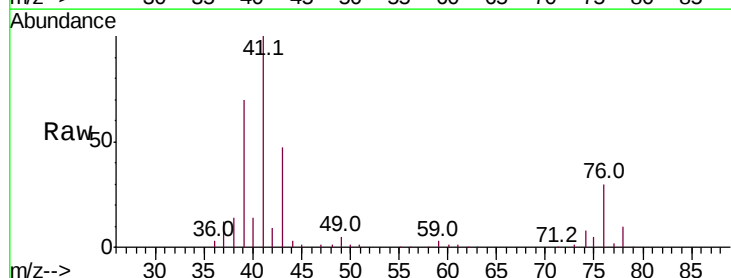
Acq: 18 Jul 2019 14:09

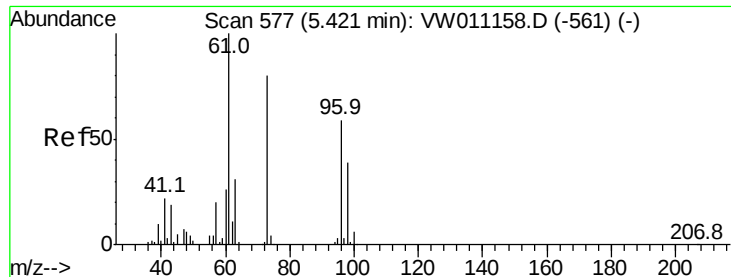
Tgt Ion: 43 Resp: 37008

Ion Ratio Lower Upper

43 100

74 19.0 15.7 23.5





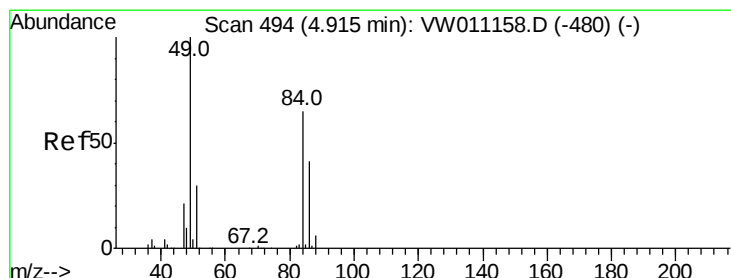
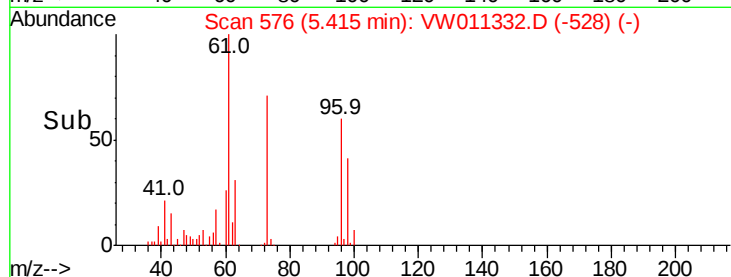
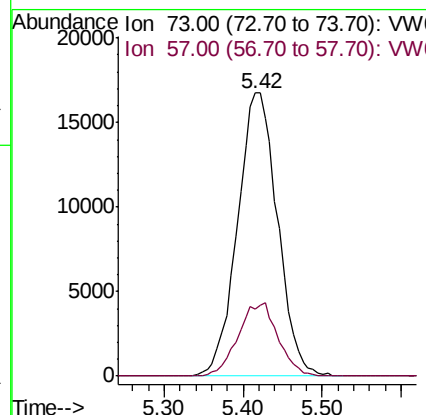
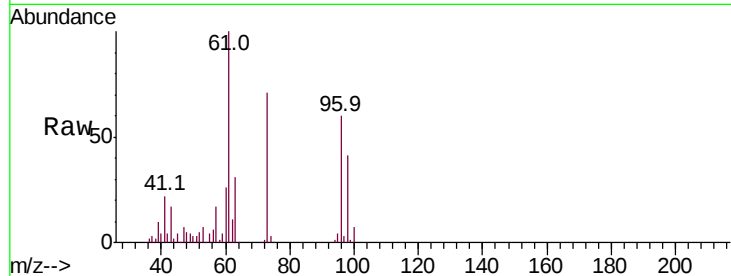
#19  
Methyl tert-butyl Ether  
Concen: 18.580 ug/l  
RT: 5.42 min Scan# 576  
Delta R.T. -0.01 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0718SBS01

Tot Ion: 73 Resp: 59097  
Ion Ratio Lower Upper  
73 100  
57 23.9 19.7 29.5

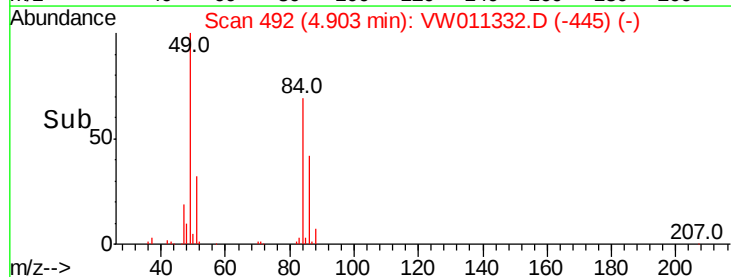
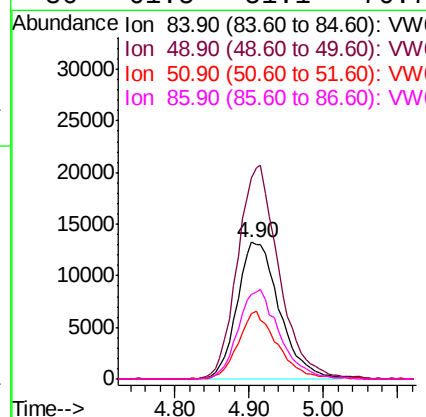
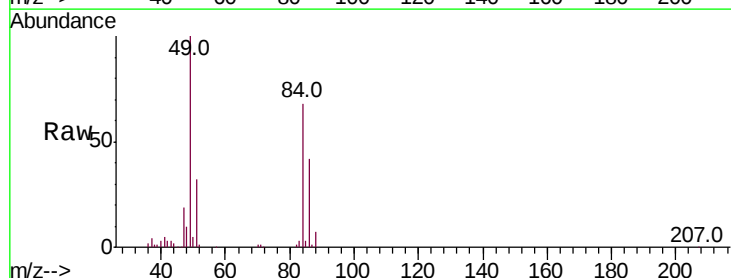
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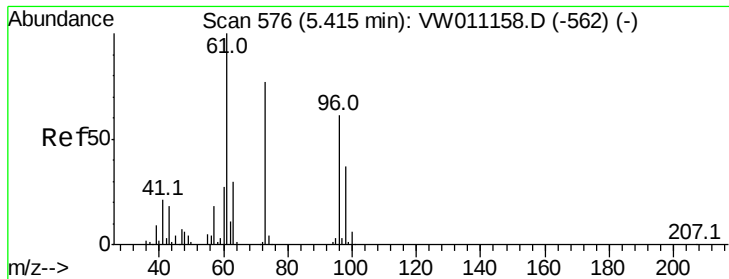
MMDadoda  
7/19/2019 9:53:54 AM



#20  
Methylene Chloride  
Concen: 23.374 ug/l  
RT: 4.90 min Scan# 492  
Delta R.T. -0.01 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

Tgt Ion: 84 Resp: 52605  
Ion Ratio Lower Upper  
84 100  
49 147.2 123.8 185.6  
51 46.9 37.4 56.2  
86 61.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 20.660 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA\_W

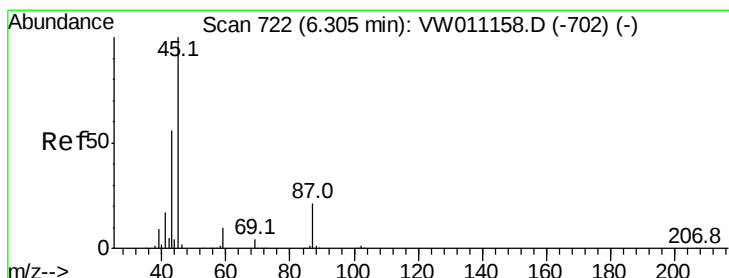
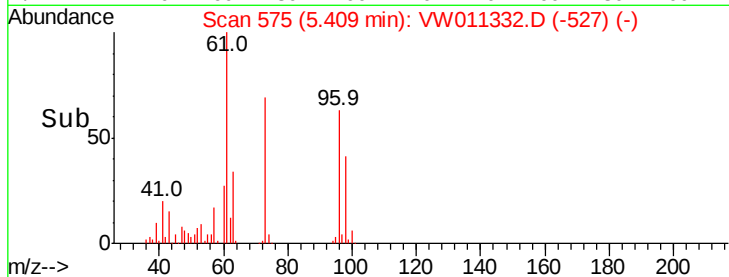
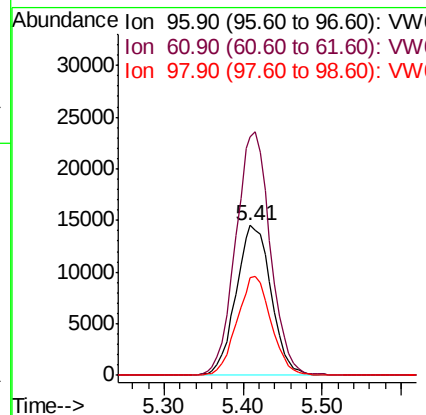
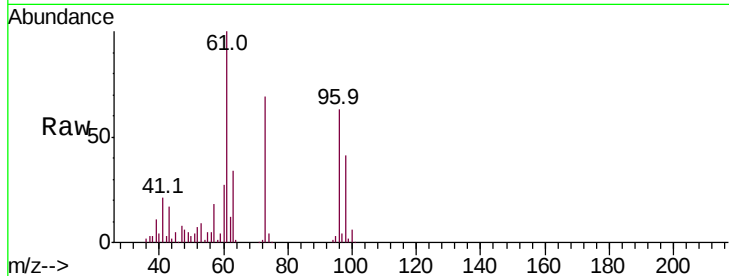
ClientSampleId :

VW0718SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 45002 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 159.5 | 132.2 | 198.2 |
| 98       | 65.4  | 49.4  | 74.0  |

Manual Integrations  
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#22

Diisopropyl ether

Concen: 19.973 ug/l

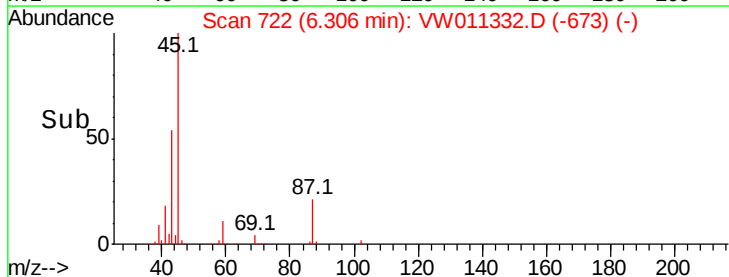
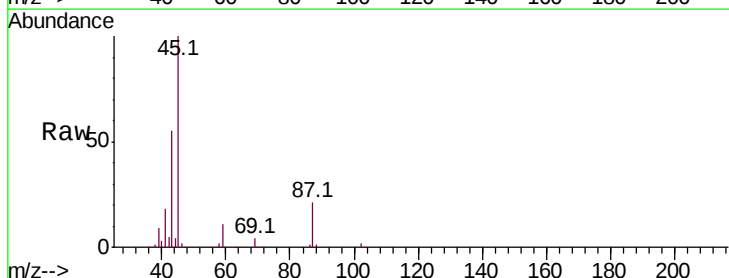
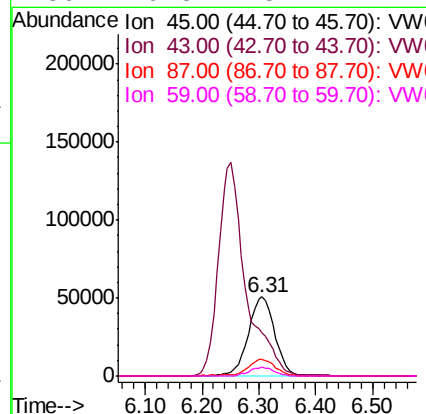
RT: 6.31 min Scan# 722

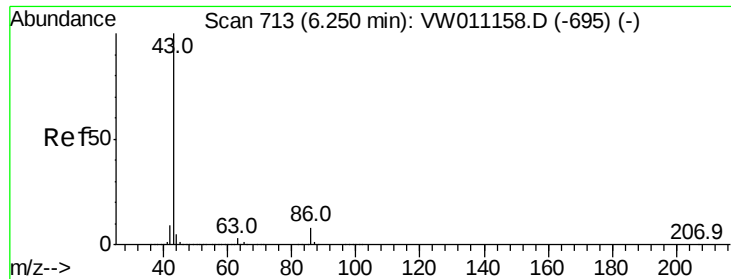
Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 164214 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 54.4  | 44.6  | 66.8   |
| 87       | 21.2  | 17.3  | 25.9   |
| 59       | 10.8  | 8.2   | 12.2   |





#23

Vinyl Acetate

Concen: 90.106 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA\_W

ClientSampleId :

VW0718SBS01

Tot Ion: 43 Resp: 458476

Ion Ratio Lower Upper

43 100

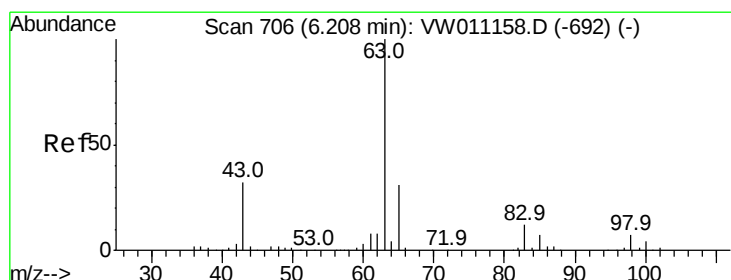
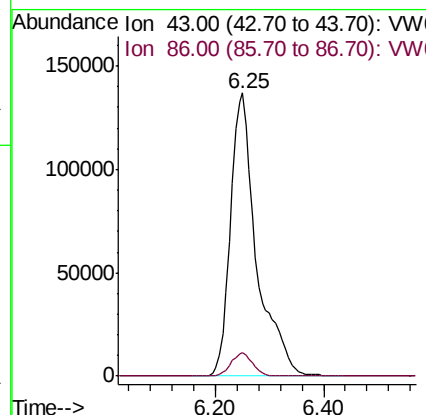
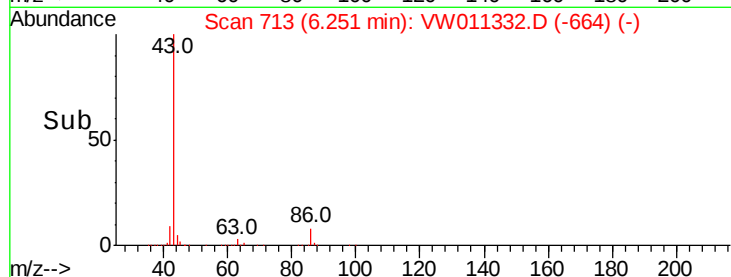
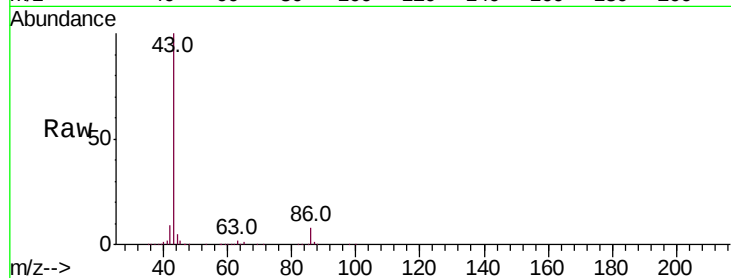
86 8.4 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 20.751 ug/l

RT: 6.20 min Scan# 705

Delta R.T. -0.01 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

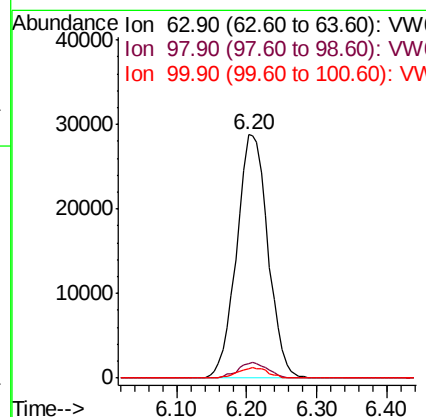
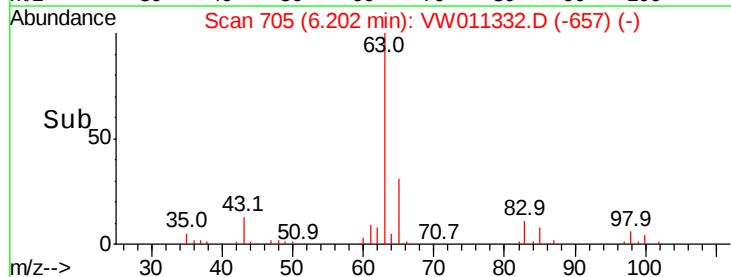
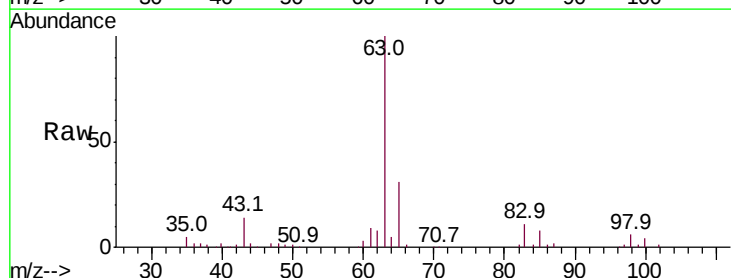
Tgt Ion: 63 Resp: 89587

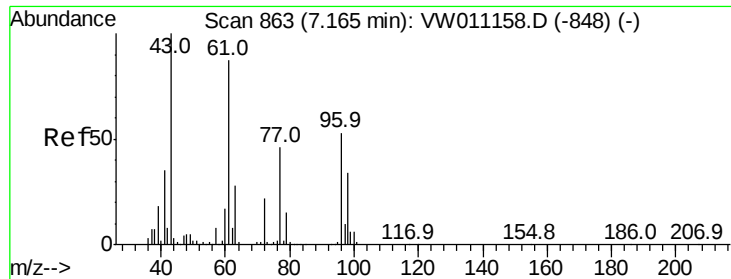
Ion Ratio Lower Upper

63 100

98 5.8 3.3 9.9

100 3.9 2.1 6.2





#25

2-Butanone

Concen: 94.360 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA\_W

ClientSampleId :

VW0718SBS01

Tot Ion: 43 Resp: 84504

Ion Ratio Lower Upper

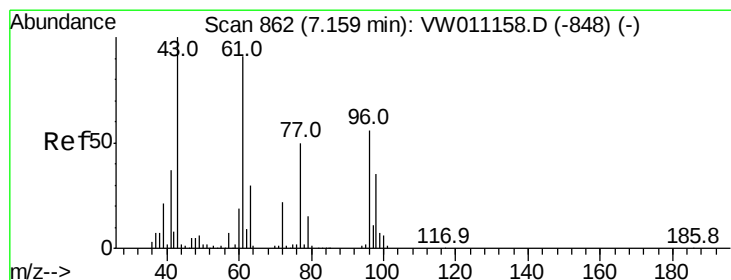
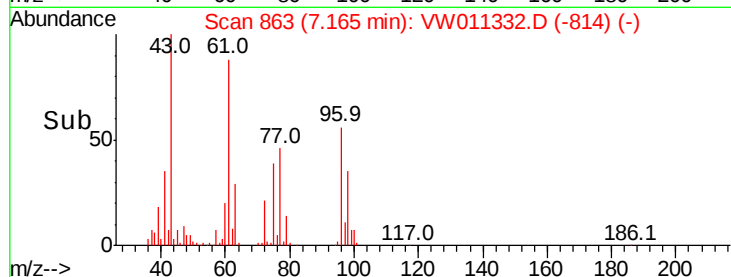
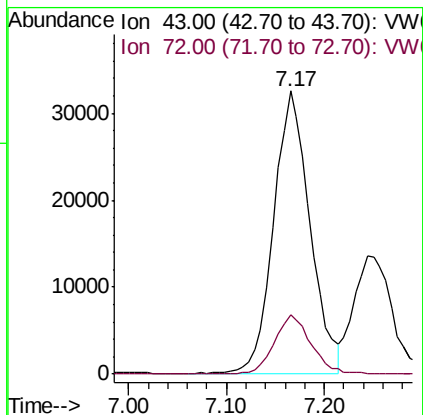
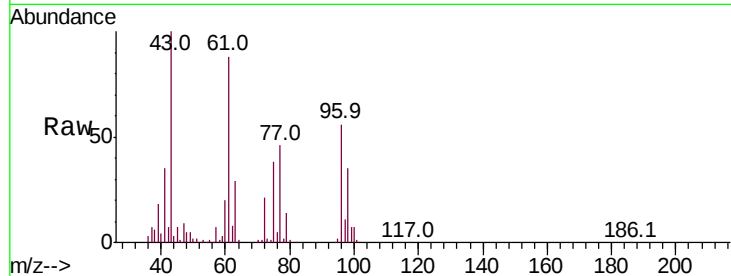
43 100

72 21.2 17.6 26.4

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#26

2,2-Dichloropropane

Concen: 21.481 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011332.D

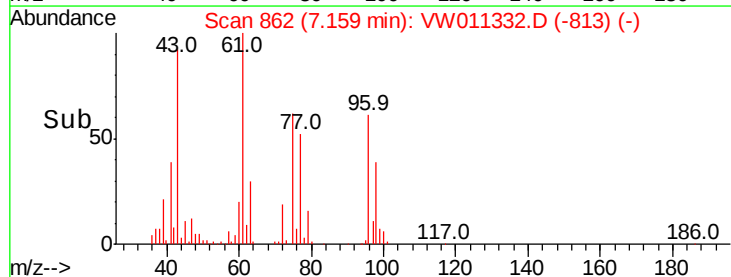
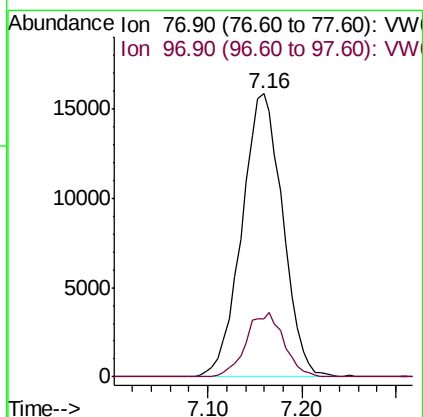
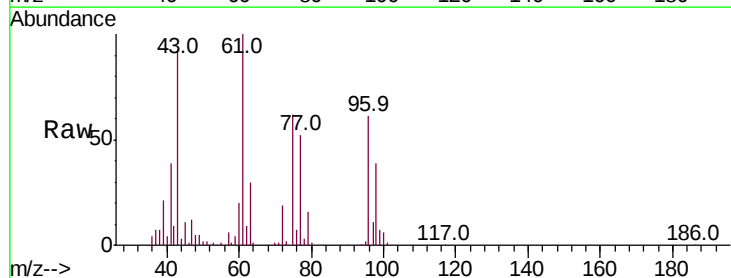
Acq: 18 Jul 2019 14:09

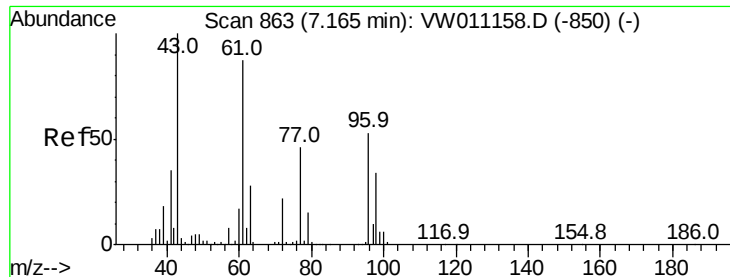
Tgt Ion: 77 Resp: 48207

Ion Ratio Lower Upper

77 100

97 21.1 11.2 33.5





#27

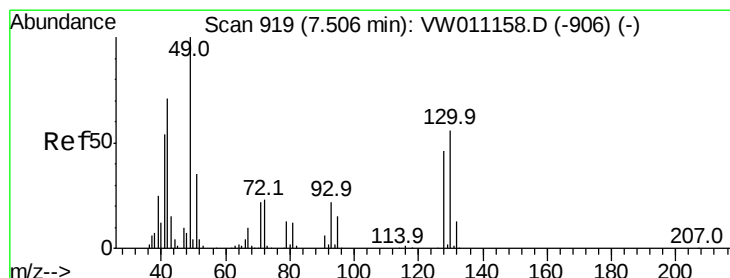
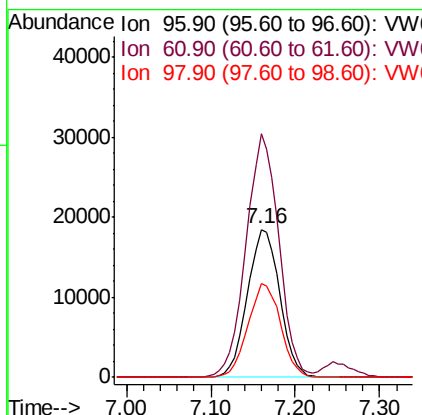
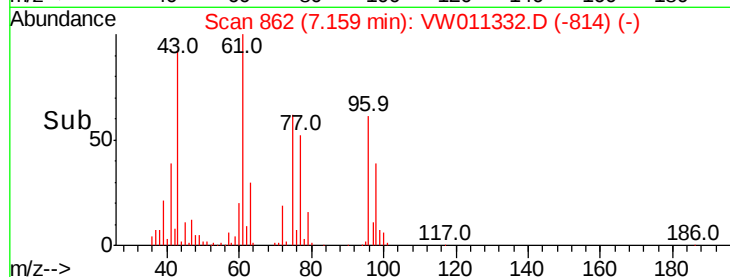
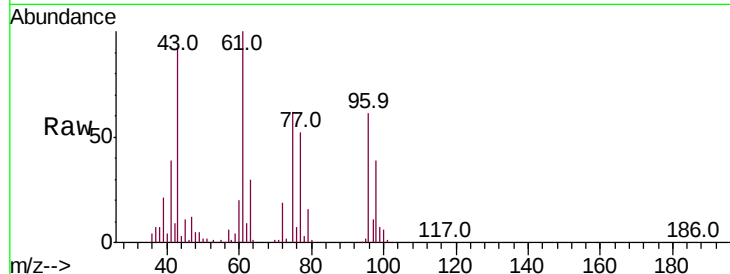
cis-1,2-Dichloroethene  
Concen: 20.605 ug/l  
RT: 7.16 min Scan# 862  
Delta R.T. -0.01 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0718SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 166.0 | 0.0   | 325.6 |
| 98      | 63.7  | 0.0   | 128.2 |

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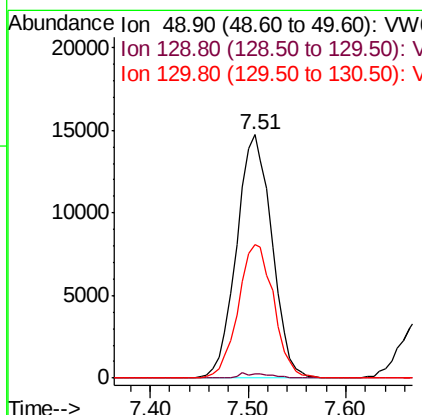
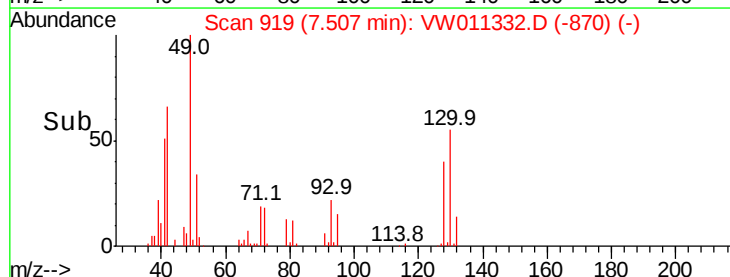
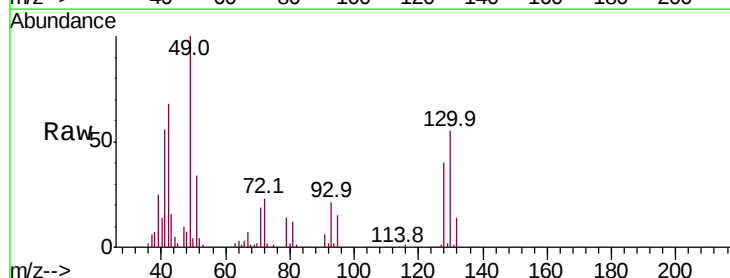
MMDadoda  
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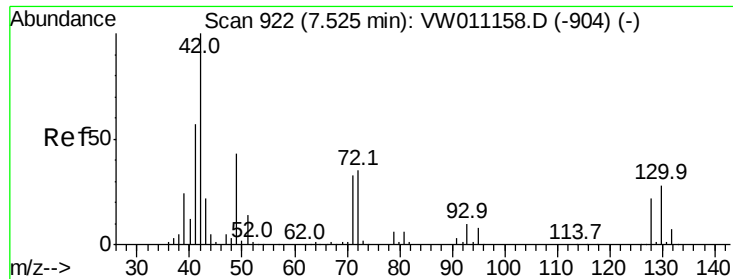


#28

Bromochloromethane  
Concen: 18.847 ug/l  
RT: 7.51 min Scan# 919  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.7   | 0.0   | 1.4#  |
| 130     | 55.3  | 45.8  | 68.8  |





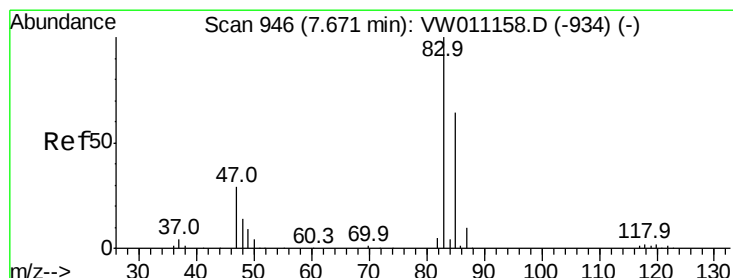
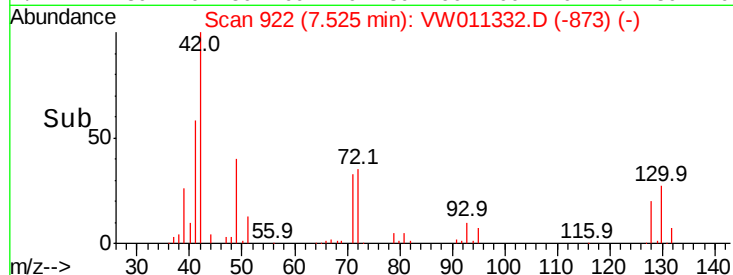
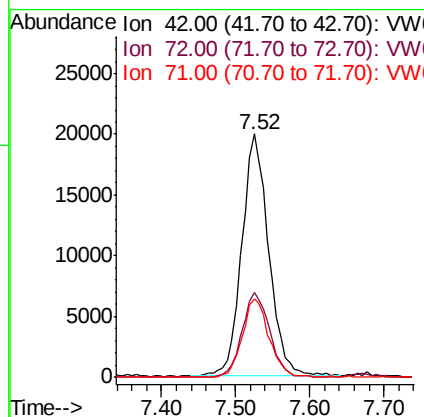
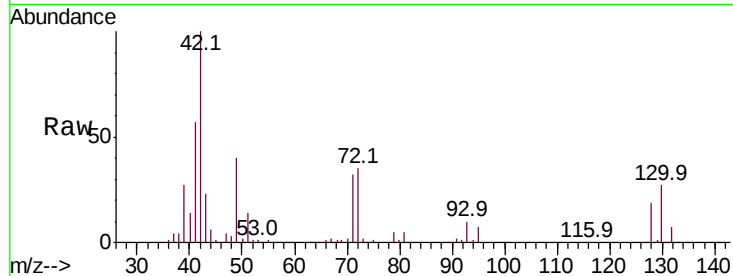
#29  
Tetrahydrofuran  
Concen: 86.300 ug/l  
RT: 7.52 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0718SBS01

|           |      |       |       |
|-----------|------|-------|-------|
| Tot Ion:  | 42   | Resp: | 50677 |
| Ion Ratio |      | Lower | Upper |
| 42        | 100  |       |       |
| 72        | 36.1 | 27.4  | 41.2  |
| 71        | 32.5 | 25.9  | 38.9  |

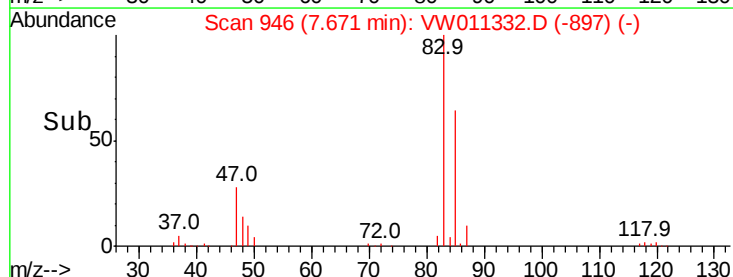
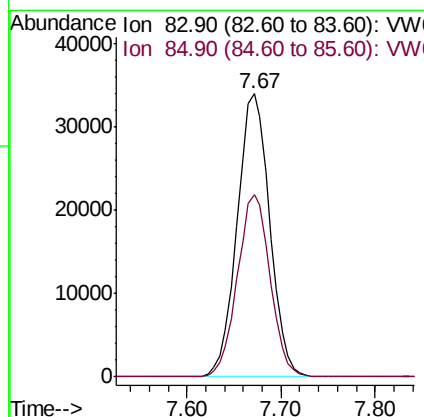
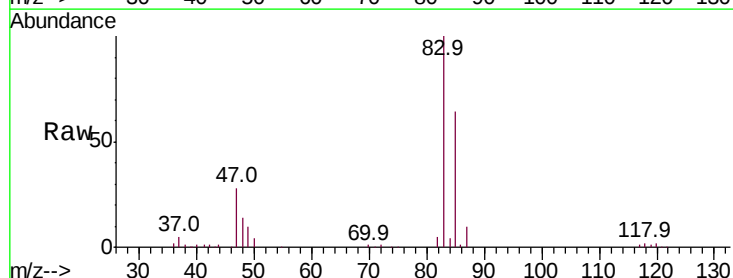
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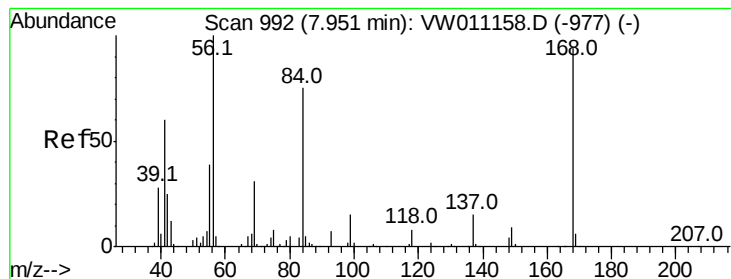
MMDadoda  
7/19/2019 9:53:54 AM



#30  
Chloroform  
Concen: 20.515 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 83   | Resp: | 82026 |
| Ion Ratio |      | Lower | Upper |
| 83        | 100  |       |       |
| 85        | 64.3 | 51.4  | 77.2  |





#31

Cyclohexane

Concen: 20.515 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA\_W

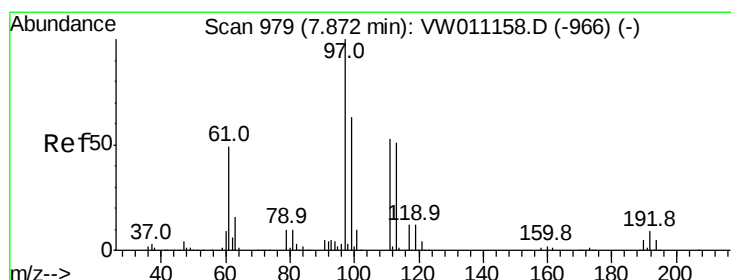
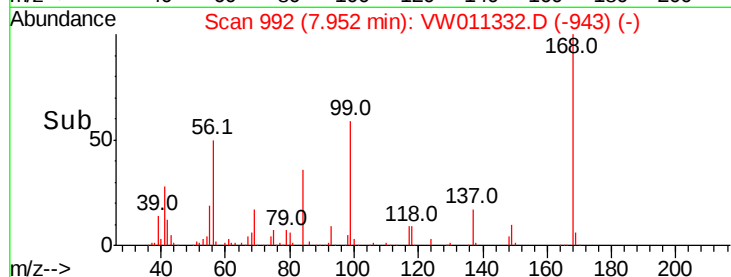
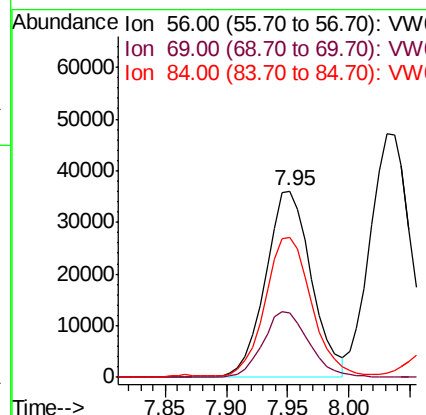
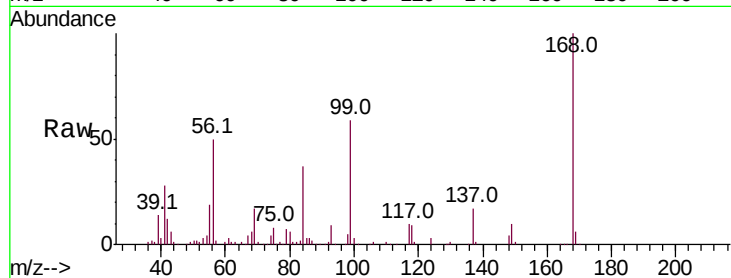
ClientSampleId :

VW0718SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 56    | Resp: | 94228 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 34.4  | 24.6  | 36.8  |
| 84        | 74.2  | 60.1  | 90.1  |

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#32

1,1,1-Trichloroethane

Concen: 20.519 ug/l

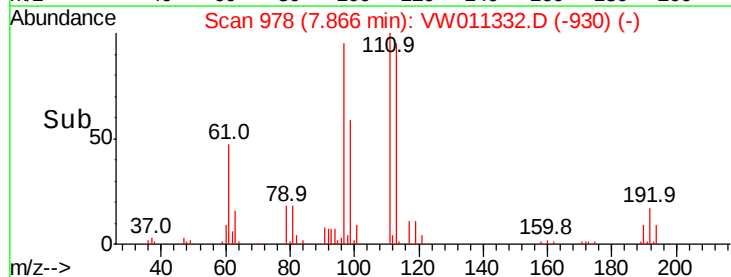
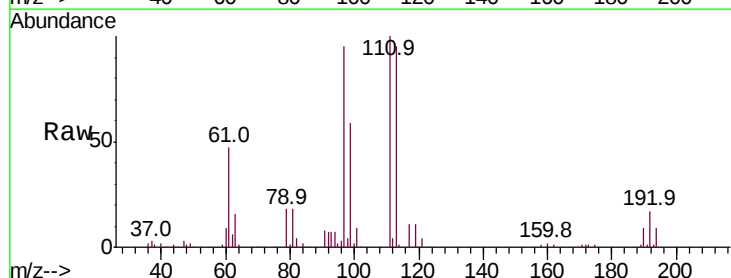
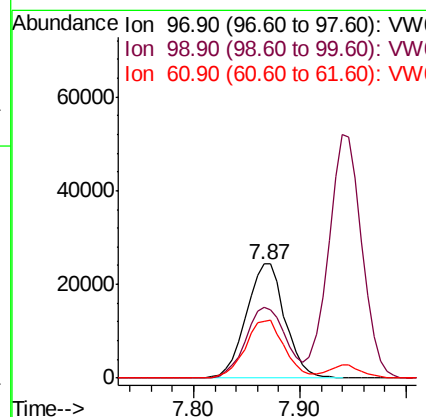
RT: 7.87 min Scan# 978

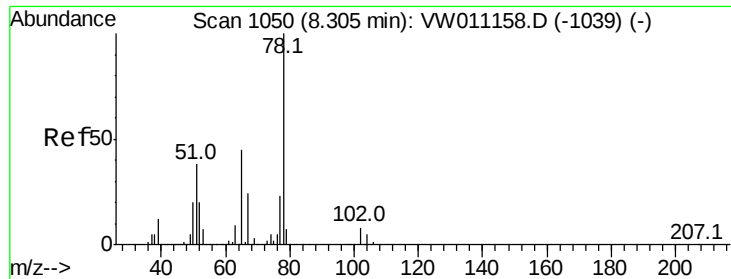
Delta R.T. -0.01 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 97    | Resp: | 62407 |
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 99        | 64.5  | 51.0  | 76.4  |
| 61        | 51.4  | 40.4  | 60.6  |





#33

1,2-Dichloroethane-d4

Concen: 43.401 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

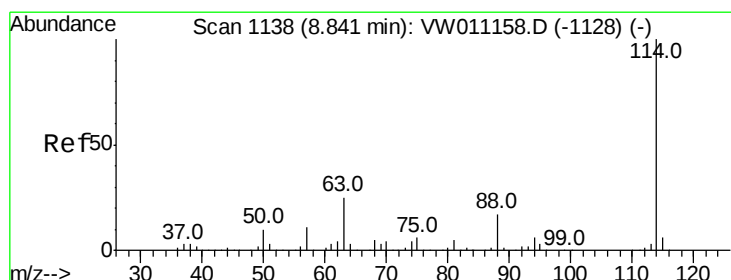
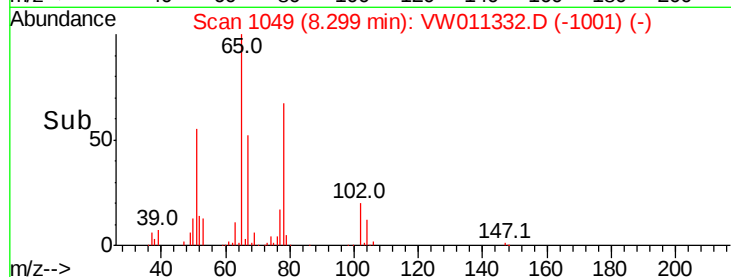
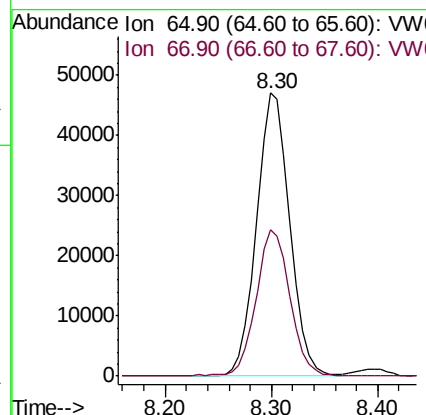
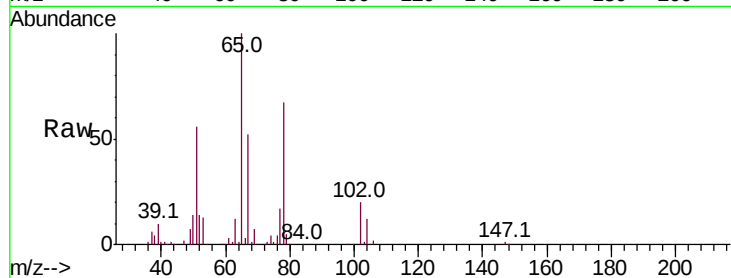
Instrument :  
MSVOA\_W

ClientSampleId :  
VW0718SBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 52.7  | 0.0  | 104.4 |       |

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

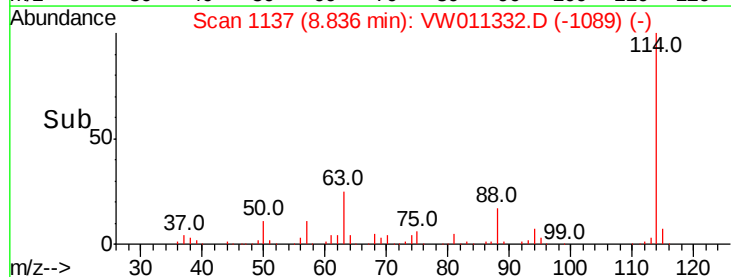
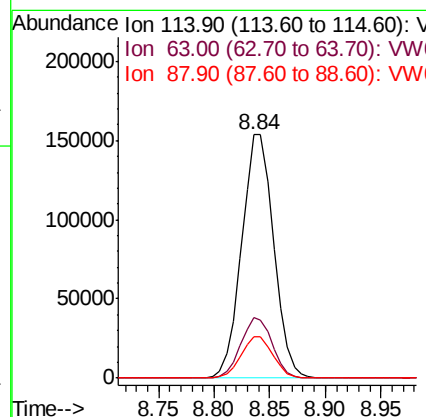
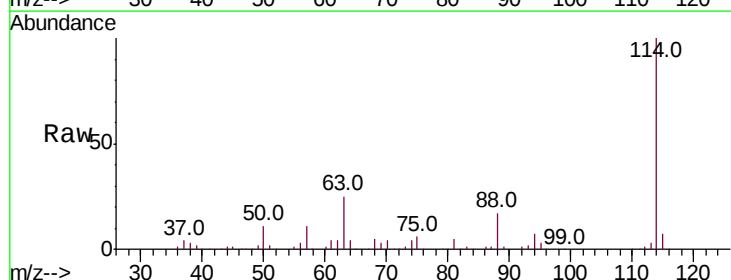
RT: 8.84 min Scan# 1137

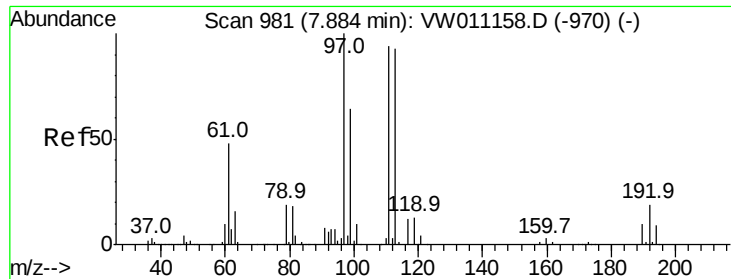
Delta R.T. -0.01 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 24.9  | 0.0  | 50.8  |       |
| 88      | 17.1  | 0.0  | 34.2  |       |





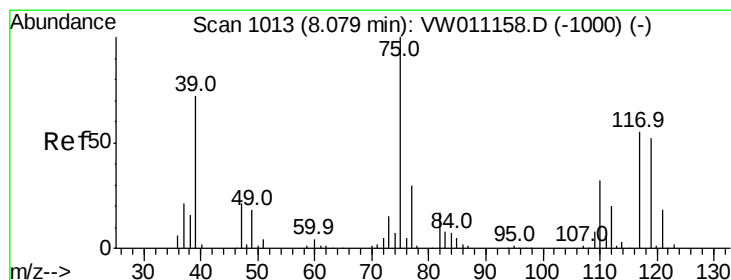
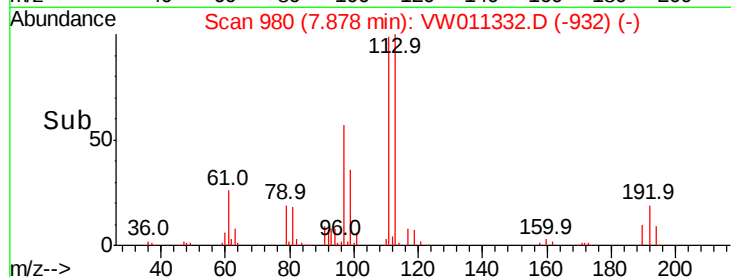
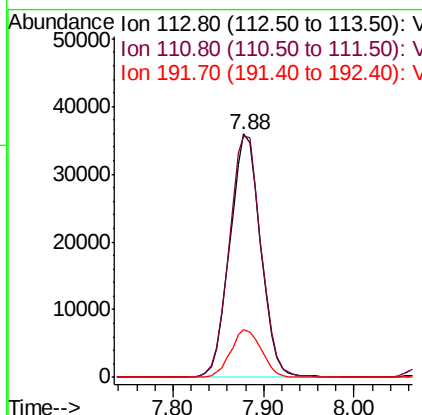
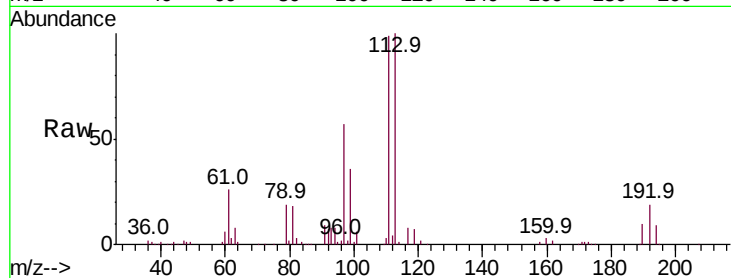
#35  
 Dibromofluoromethane  
 Concen: 46.319 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. -0.01 min  
 Lab File: VW011332.D  
 Acq: 18 Jul 2019 14:09

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0718SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.2 | 82.4  | 123.6 |
| 192     | 19.6  | 15.8  | 23.8  |

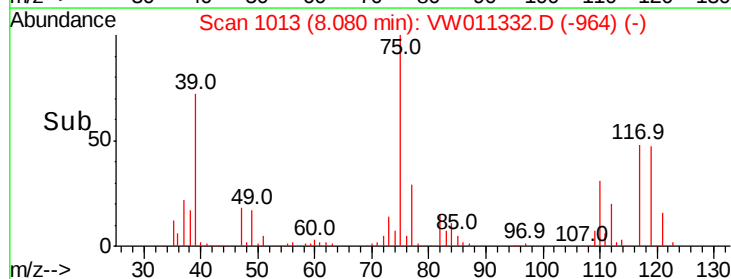
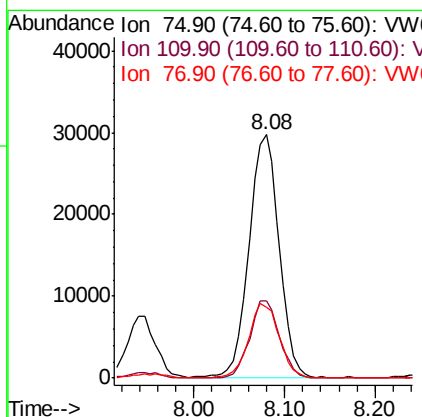
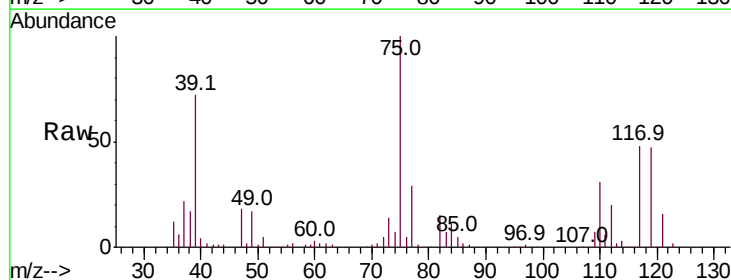
Manual Integrations  
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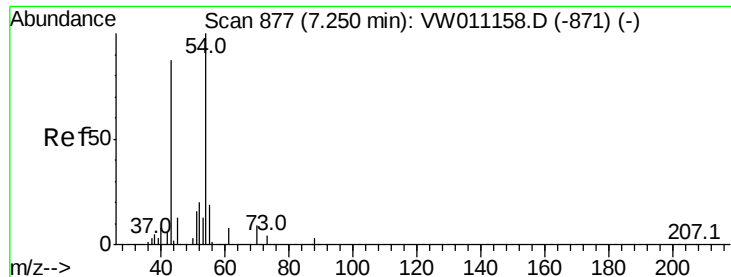
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#36  
 1,1-Dichloropropene  
 Concen: 20.992 ug/l  
 RT: 8.08 min Scan# 1013  
 Delta R.T. 0.00 min  
 Lab File: VW011332.D  
 Acq: 18 Jul 2019 14:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 31.2  | 15.9  | 47.6  |
| 77      | 31.2  | 24.6  | 36.8  |





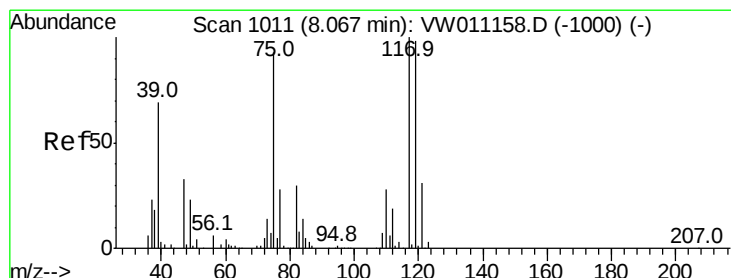
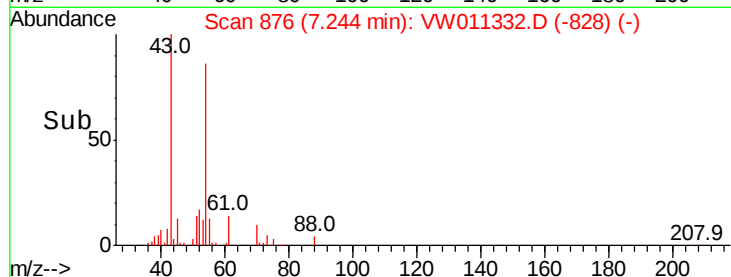
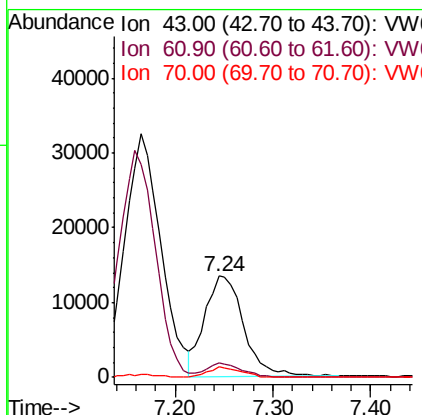
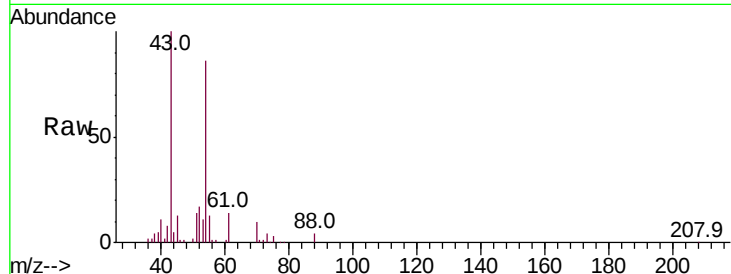
#37  
Ethyl Acetate  
Concen: 18.932 ug/l  
RT: 7.24 min Scan# 876  
Delta R.T. -0.01 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0718SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 12.4  | 9.5   | 14.3  |
| 70      | 9.0   | 7.1   | 10.7  |

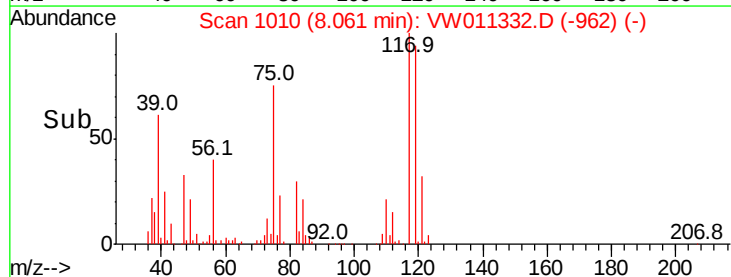
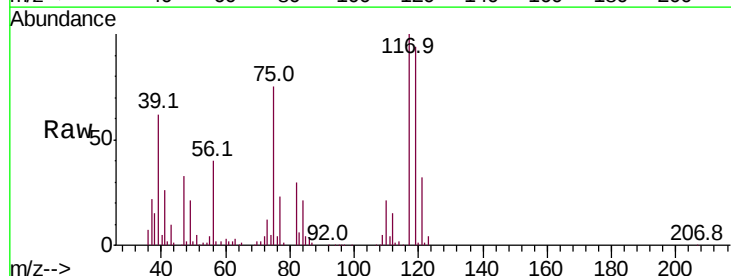
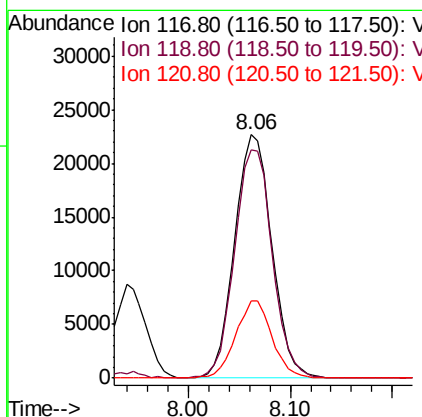
Manual Integrations  
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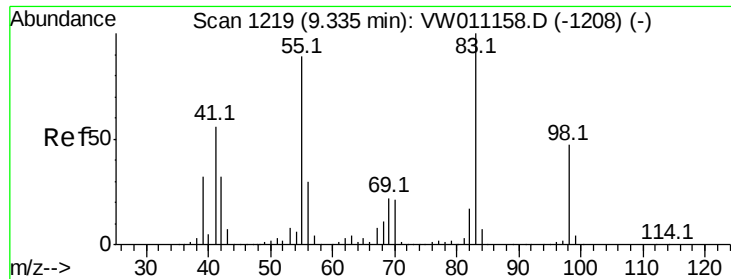
MMDadoda  
7/19/2019 9:53:54 AM



#38  
Carbon Tetrachloride  
Concen: 20.811 ug/l  
RT: 8.06 min Scan# 1010  
Delta R.T. -0.01 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.0  | 78.1  | 117.1 |
| 121     | 31.7  | 25.1  | 37.7  |





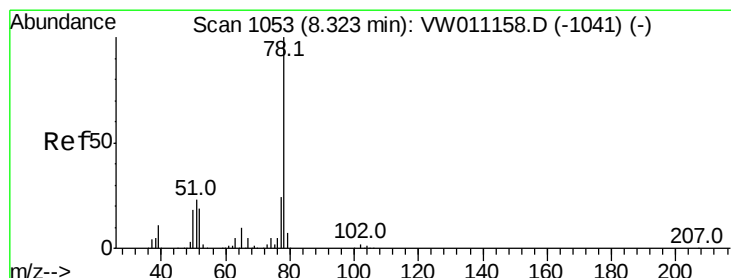
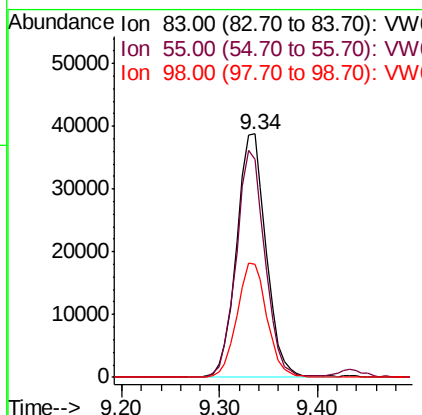
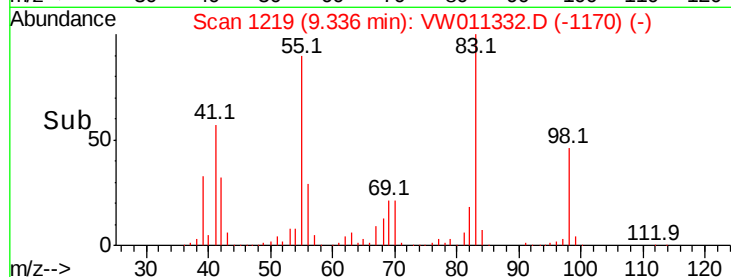
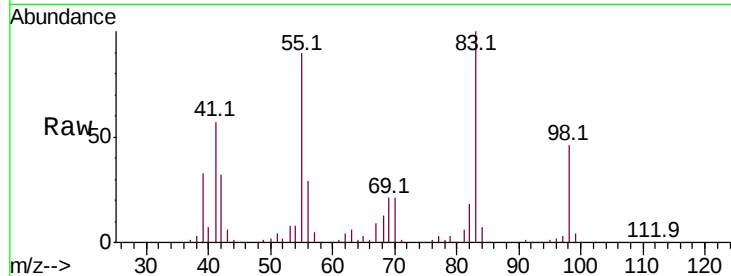
#39  
Methvlcvclohexane  
Concen: 20.549 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0718SBS01

| Tot Ion   | 83   | Resp  | 81368 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 55        | 89.5 | 71.2  | 106.8 |
| 98        | 46.3 | 37.5  | 56.3  |

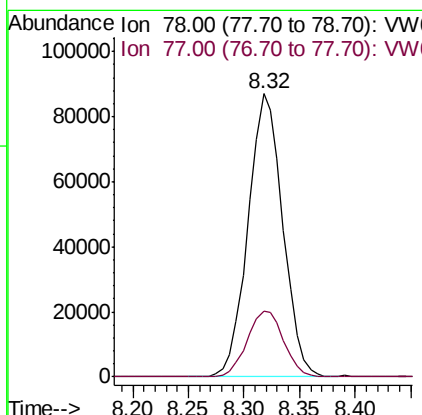
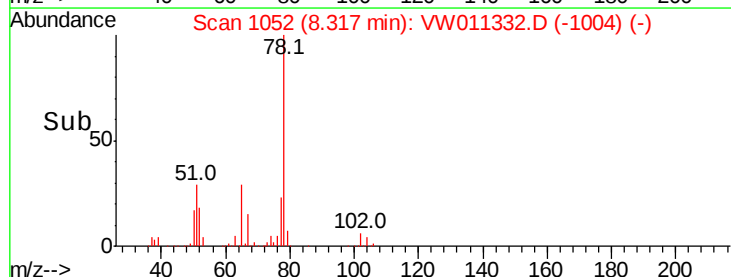
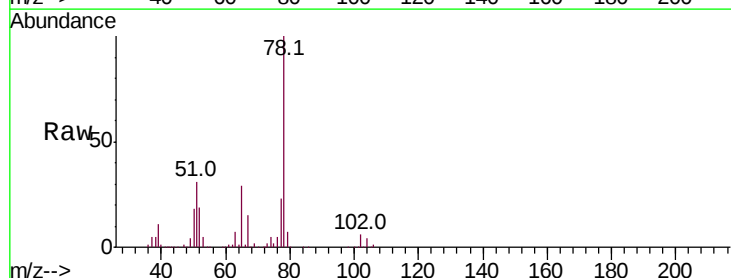
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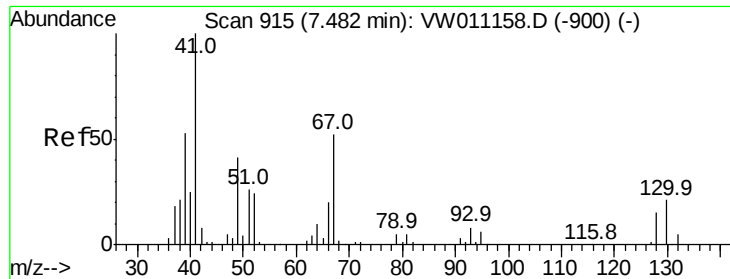
MMDadoda  
7/19/2019 9:53:54 AM



#40  
Benzene  
Concen: 20.919 ug/l  
RT: 8.32 min Scan# 1052  
Delta R.T. -0.01 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

| Tgt Ion   | 78   | Resp  | 188870 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 78        | 100  |       |        |
| 77        | 23.4 | 19.0  | 28.6   |





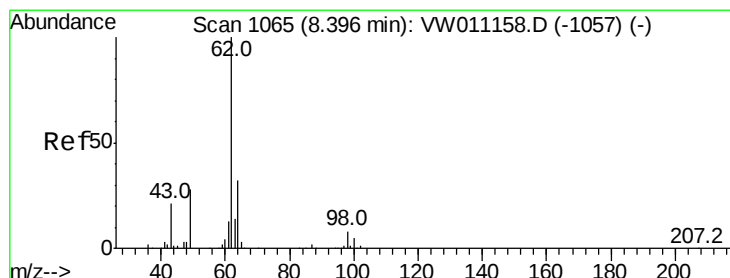
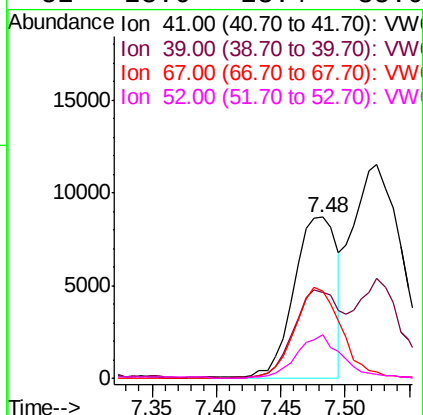
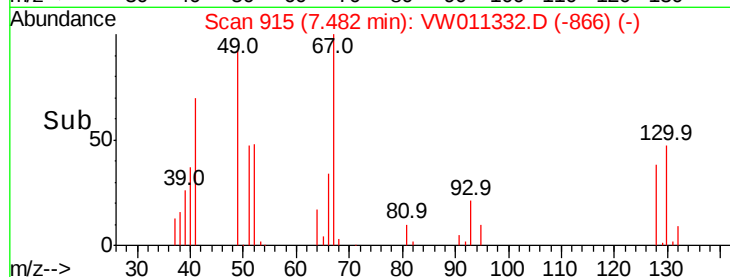
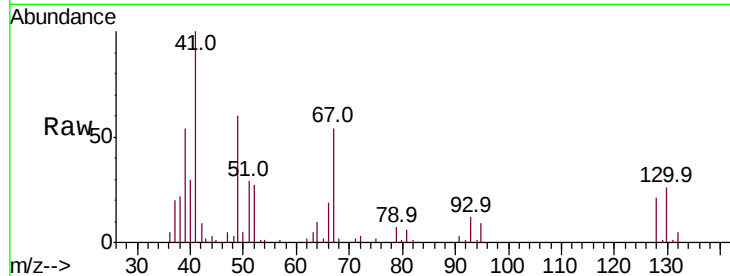
#41  
Methacrylonitrile  
Concen: 17.992 ug/l  
RT: 7.48 min Scan# 915  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0718SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 60.3  | 48.0  | 72.0  |
| 67      | 61.1  | 49.7  | 74.5  |
| 52      | 28.6  | 23.4  | 35.0  |

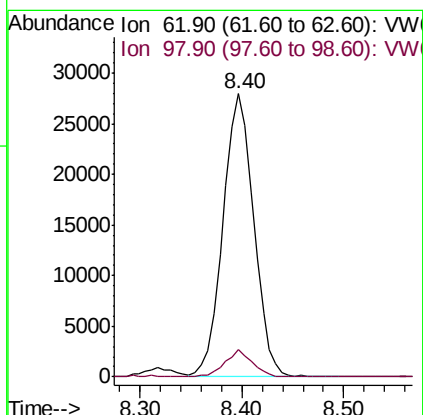
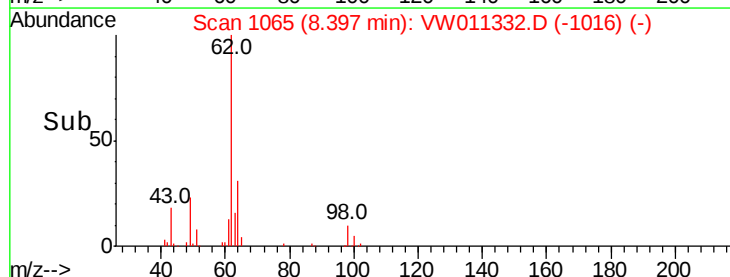
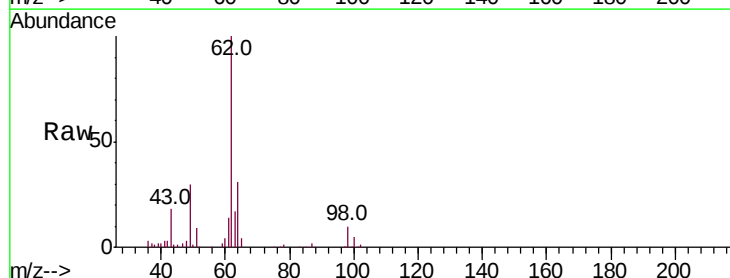
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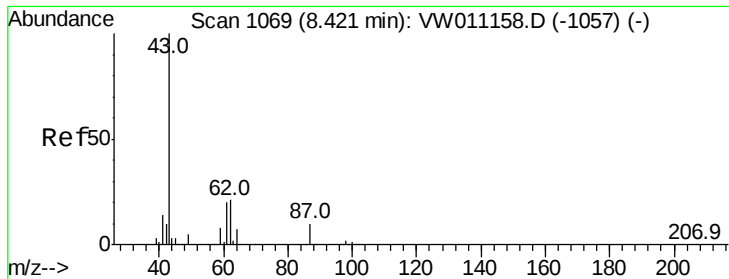
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7/19/2019 9:53:54 AM



#42  
1,2-Dichloroethane  
Concen: 20.010 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 8.5   | 0.0   | 16.8  |





#43

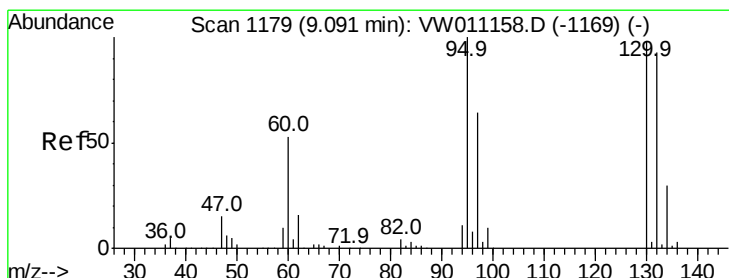
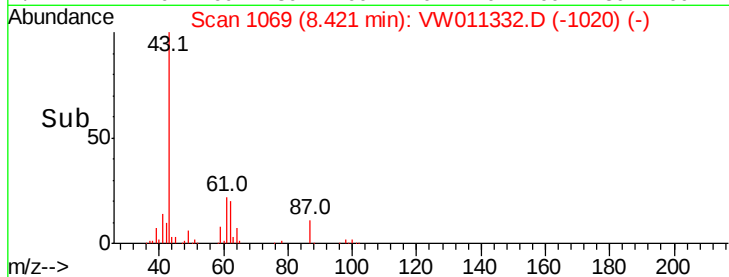
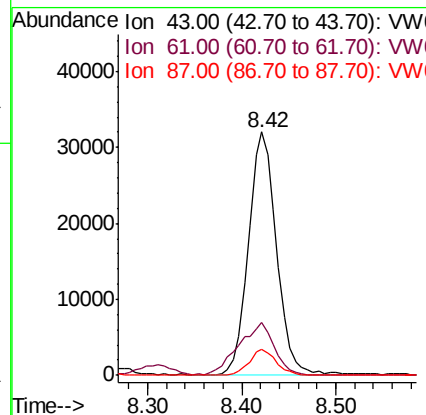
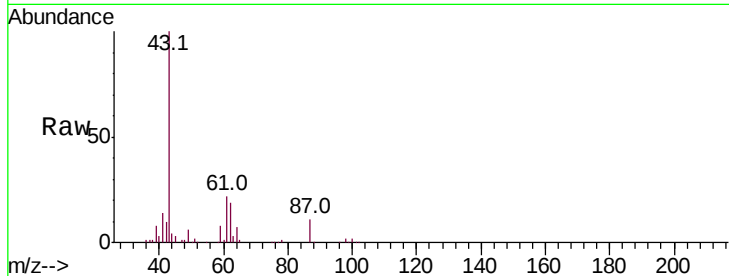
Isopropyl Acetate  
 Concen: 17.844 ug/l  
 RT: 8.42 min Scan# 1069  
 Delta R.T. 0.00 min  
 Lab File: VW011332.D  
 Acq: 18 Jul 2019 14:09

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0718SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 27.9  | 20.7  | 31.1  |
| 87      | 10.6  | 8.1   | 12.1  |

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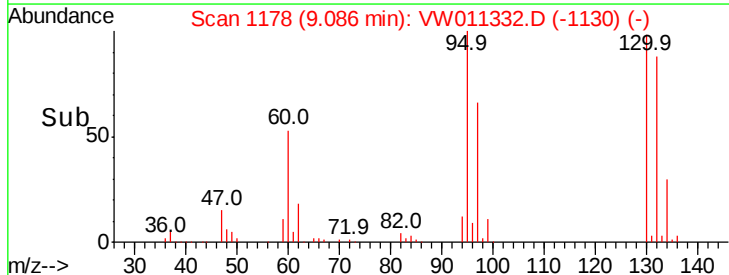
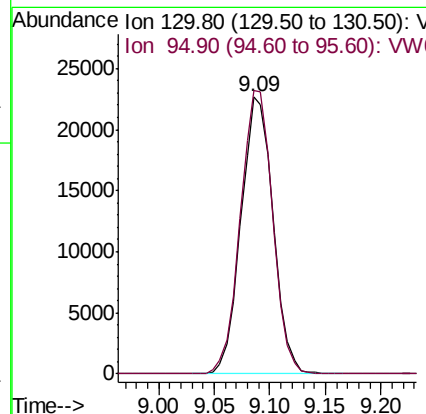
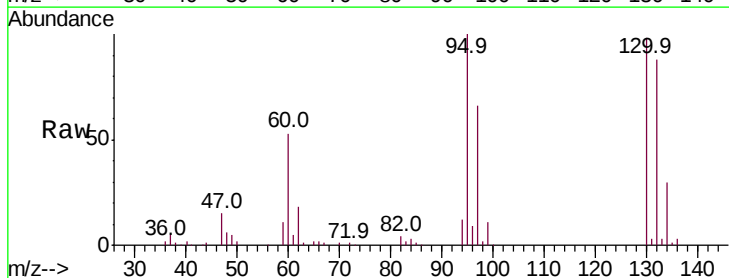
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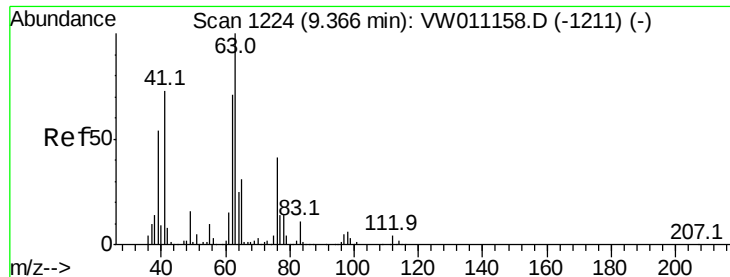


#44

Trichloroethene  
 Concen: 20.852 ug/l  
 RT: 9.09 min Scan# 1178  
 Delta R.T. -0.01 min  
 Lab File: VW011332.D  
 Acq: 18 Jul 2019 14:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 102.0 | 0.0   | 203.6 |





#45

1,2-Dichloropropane

Concen: 20.597 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA\_W

ClientSampleId :

VW0718SBS01

Tot Ion: 63 Resp: 50360

Ion Ratio Lower Upper

63 100

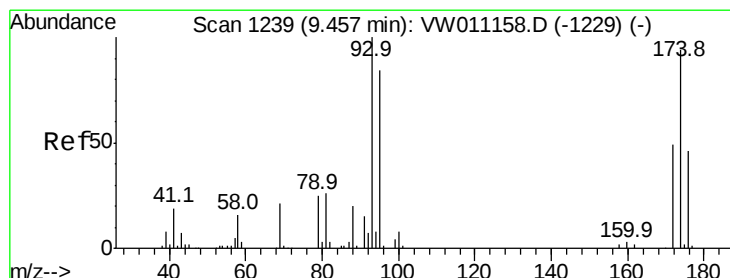
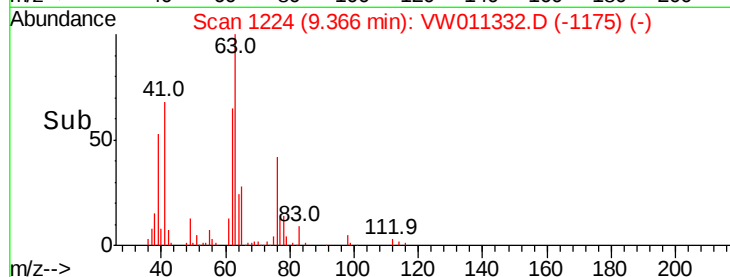
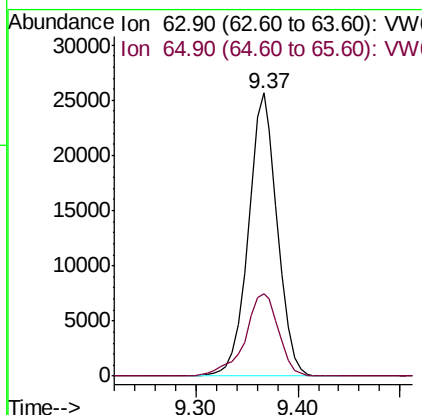
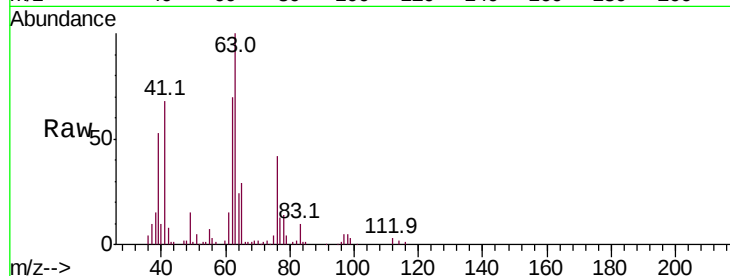
65 29.1 24.4 36.6

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#46

Dibromomethane

Concen: 19.425 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

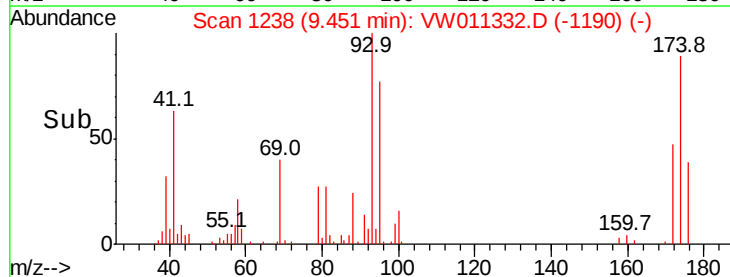
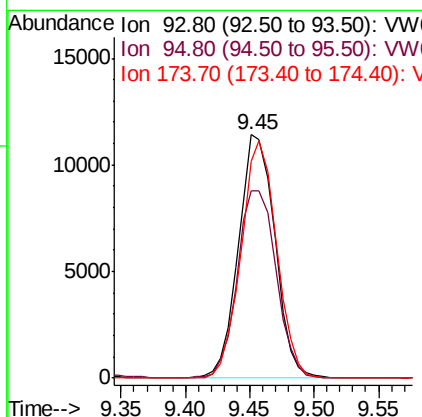
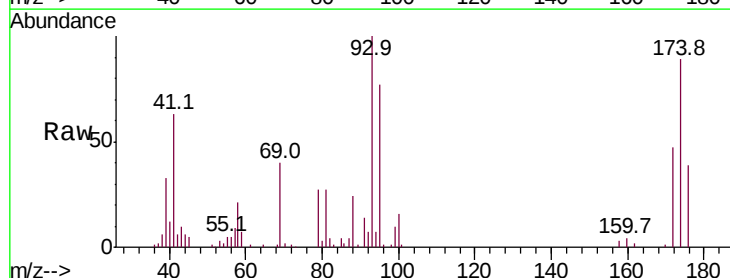
Tgt Ion: 93 Resp: 22310

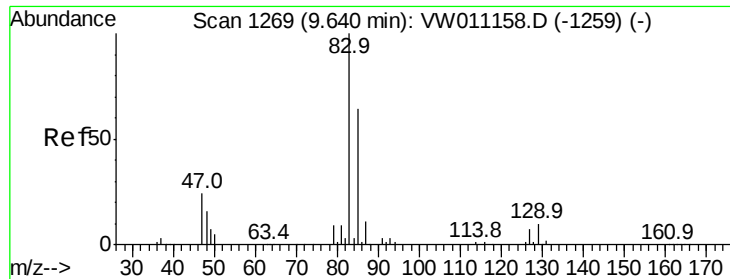
Ion Ratio Lower Upper

93 100

95 82.5 67.2 100.8

174 95.0 76.3 114.5





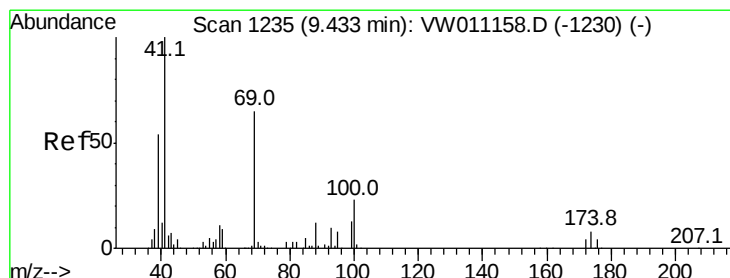
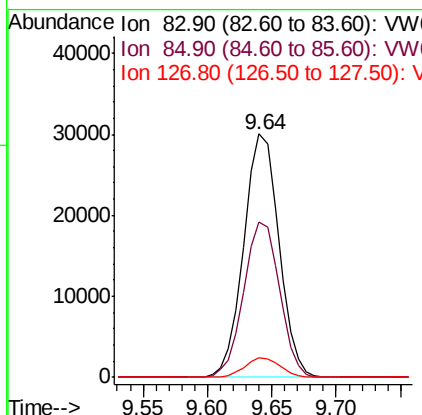
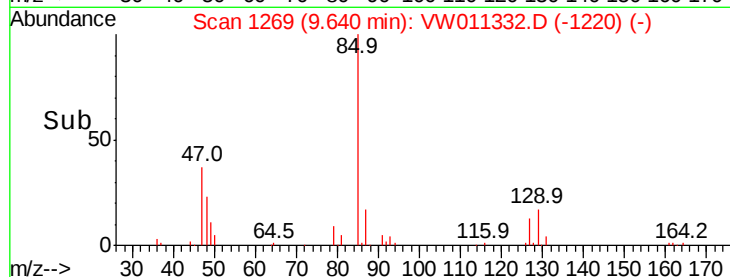
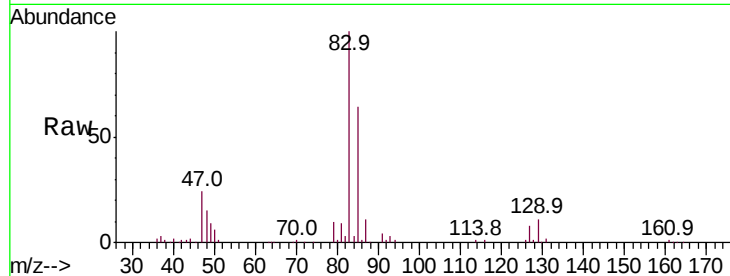
#47  
Bromodichloromethane  
Concen: 19.350 ug/l  
RT: 9.64 min Scan# 1269  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0718SBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 85      | 63.9  | 51.0 | 76.4  |       |
| 127     | 8.2   | 6.0  | 9.0   |       |

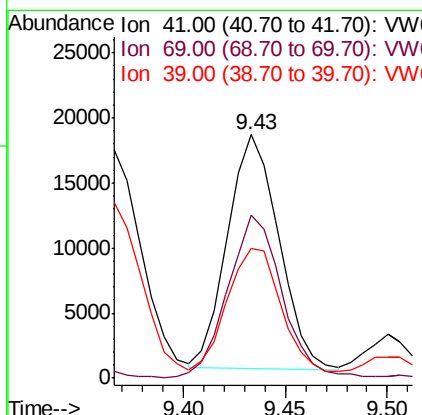
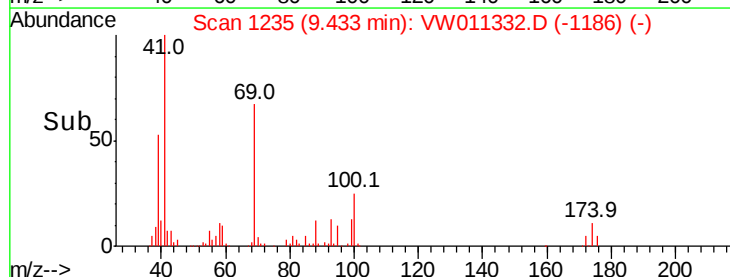
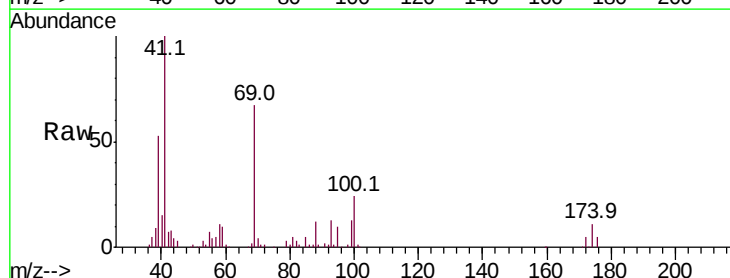
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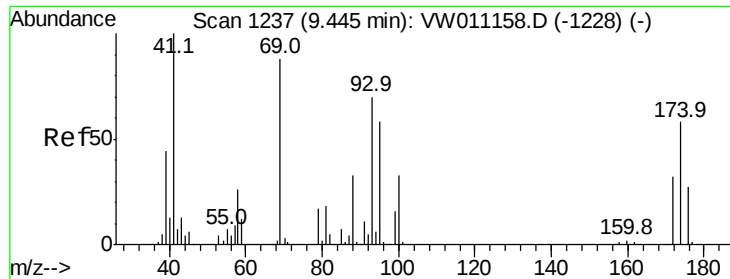
MMDadoda  
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#48  
Methyl methacrylate  
Concen: 17.593 ug/l  
RT: 9.43 min Scan# 1235  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 41      | 100   |      |       |       |
| 69      | 74.6  | 56.0 | 84.0  |       |
| 39      | 55.4  | 43.5 | 65.3  |       |





#49

1,4-Dioxane

Concen: 347.350 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA\_W

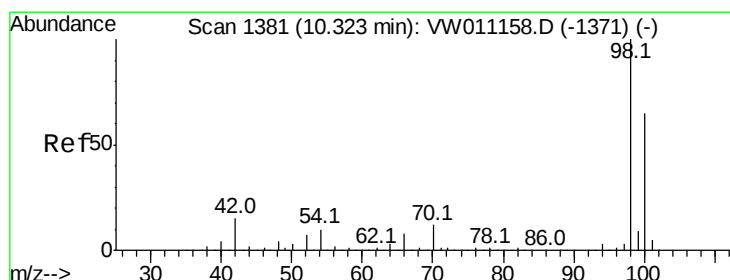
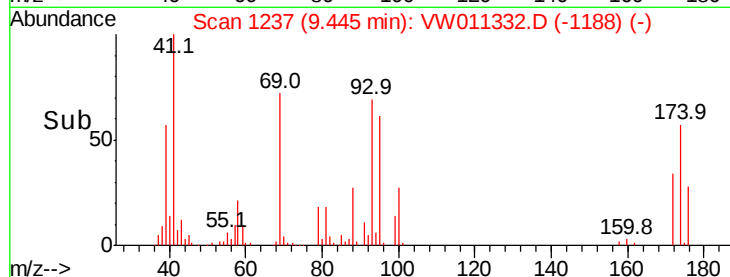
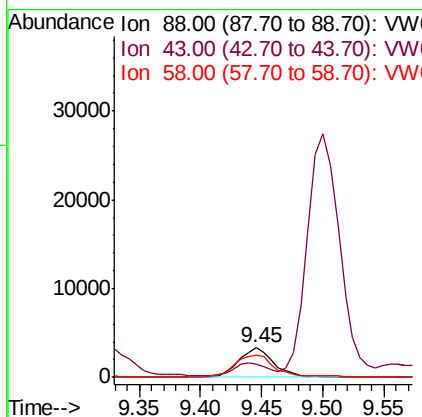
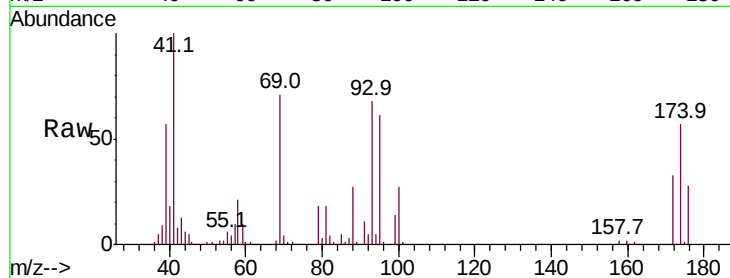
ClientSampleId :

VW0718SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 6659  |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 43.3  | 33.4  | 50.0  |
| 58       | 86.6  | 64.5  | 96.7  |

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#50

Toluene-d8

Concen: 46.936 ug/l

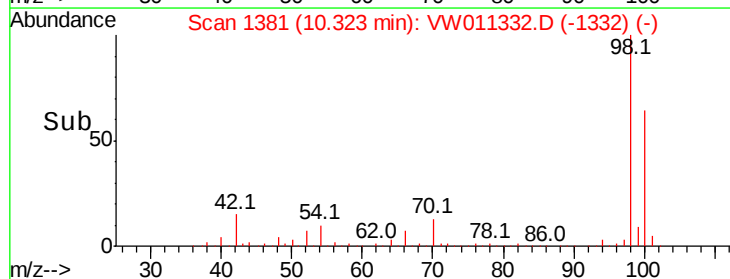
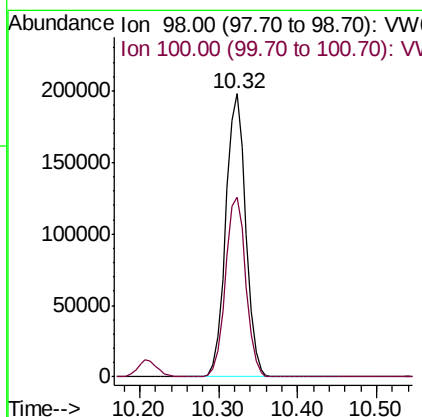
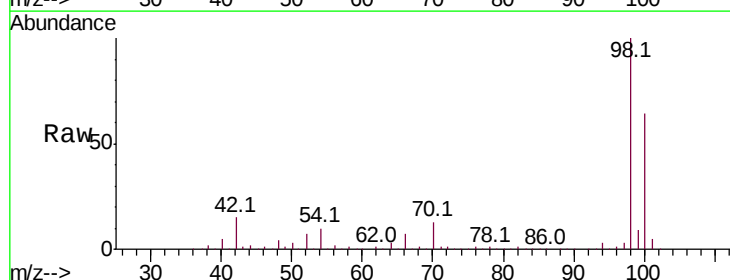
RT: 10.32 min Scan# 1381

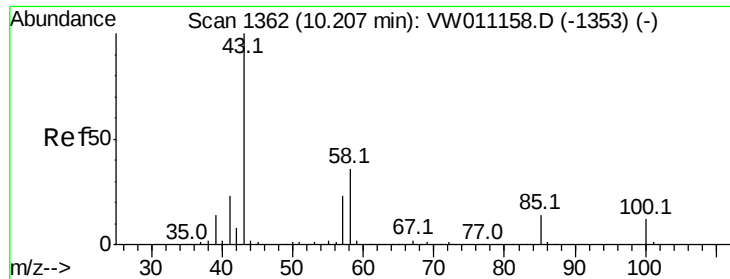
Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 346930 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 64.9  | 52.4  | 78.6   |





#51

4-Methyl-2-Pentanone

Concen: 91.454 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA\_W

ClientSampleId :

VW0718SBS01

Tot Ion: 43 Resp: 177046

Ion Ratio Lower Upper

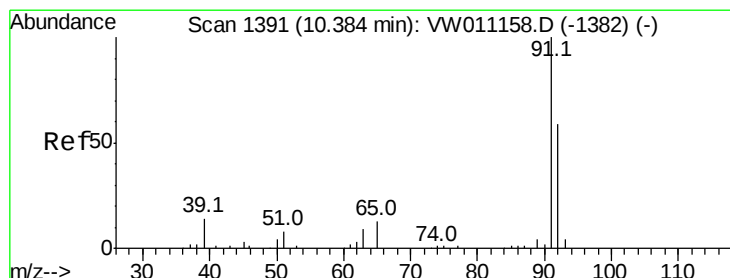
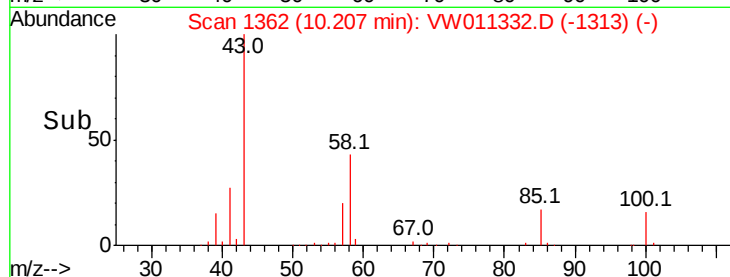
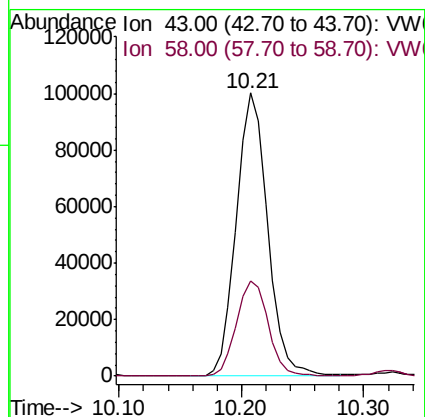
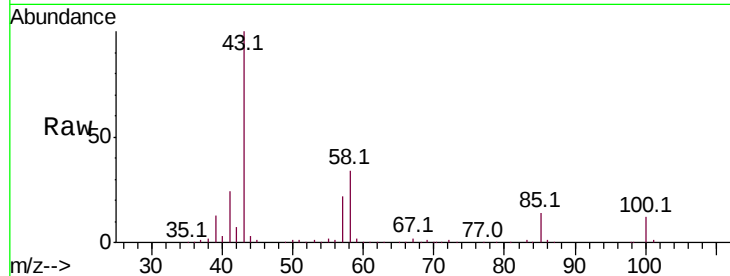
43 100

58 34.3 28.2 42.2

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7/19/2019 9:53:54 AM



#52

Toluene

Concen: 20.925 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011332.D

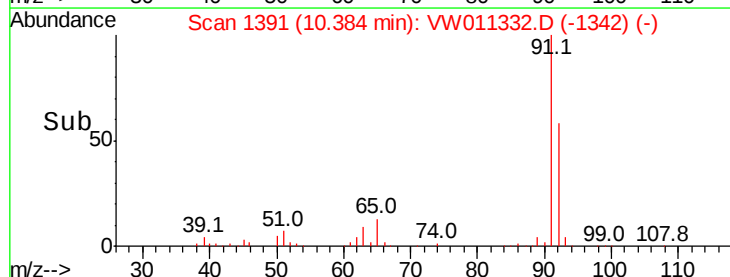
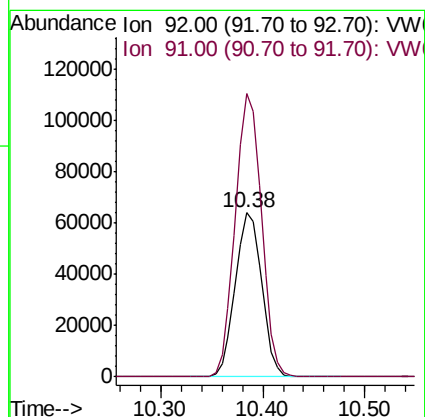
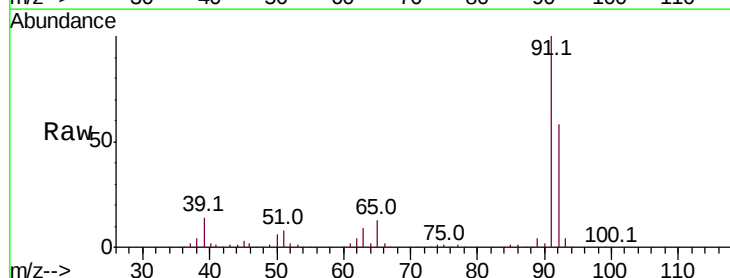
Acq: 18 Jul 2019 14:09

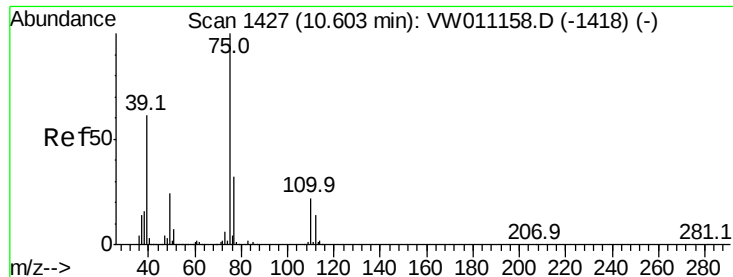
Tgt Ion: 92 Resp: 114604

Ion Ratio Lower Upper

92 100

91 171.3 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 18.092 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA\_W

ClientSampleId :

VW0718SBS01

Tot Ion: 75 Resp: 56594

Ion Ratio Lower Upper

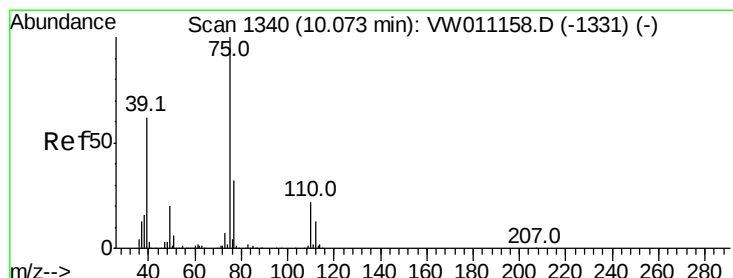
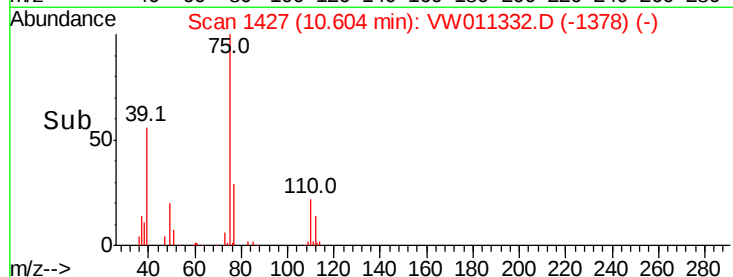
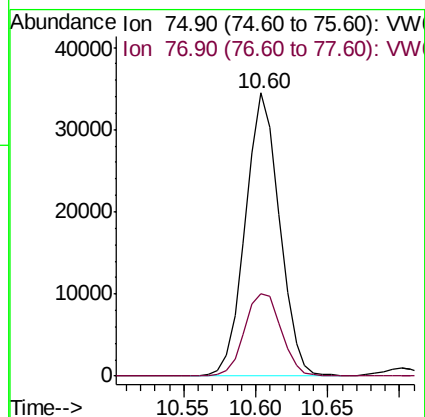
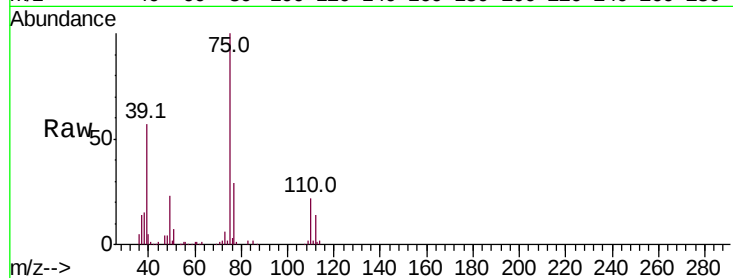
75 100

77 29.2 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 18.947 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

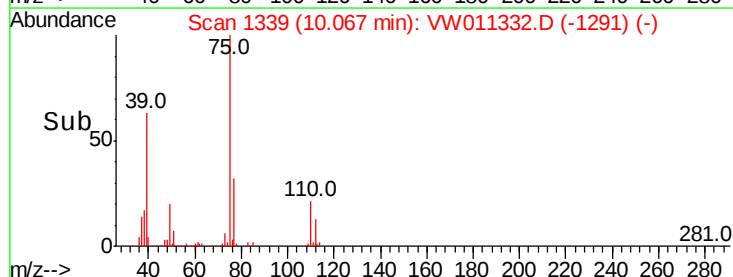
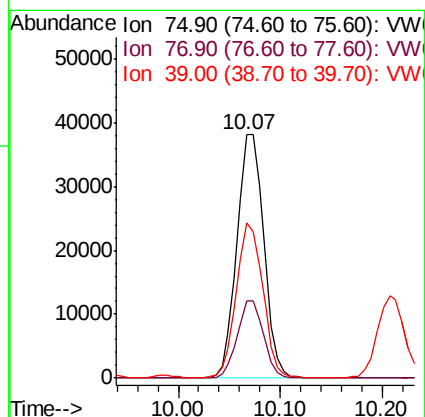
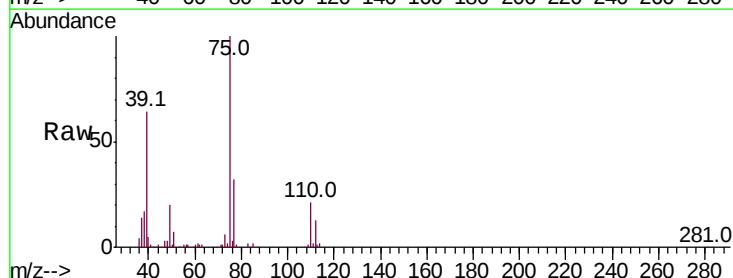
Tgt Ion: 75 Resp: 69760

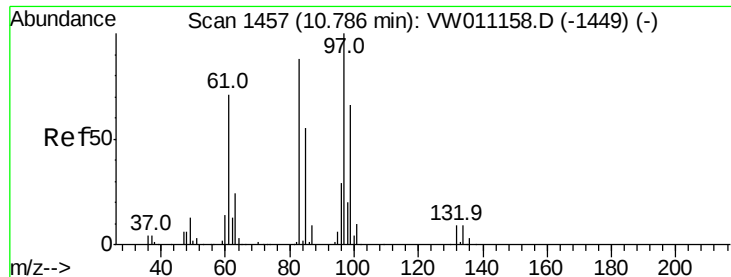
Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5

39 63.4 49.8 74.8





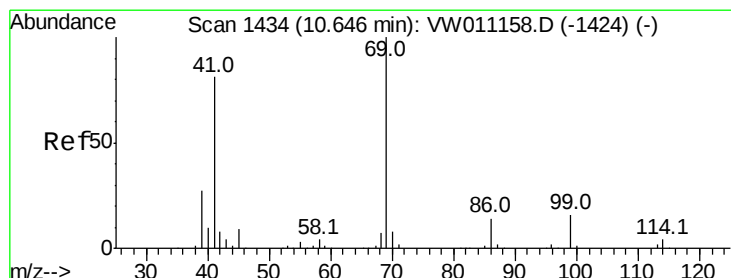
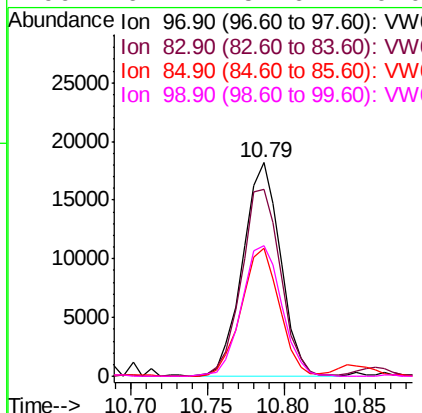
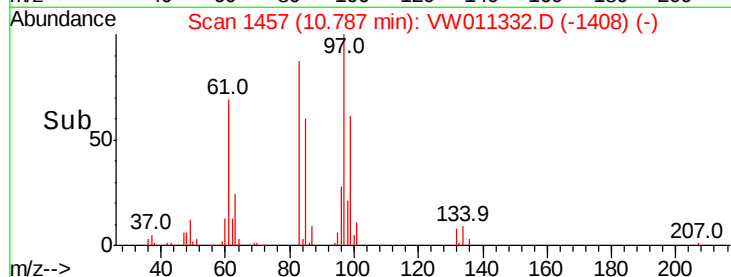
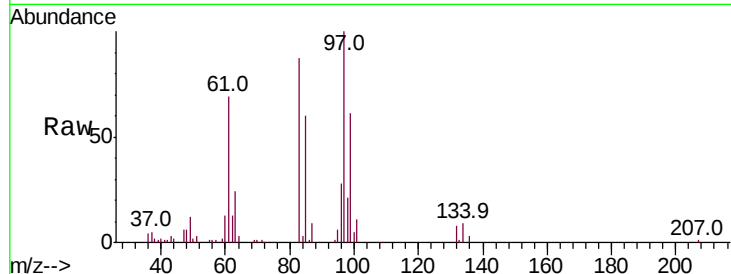
#55  
 1,1,2-Trichloroethane  
 Concen: 19.180 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. 0.00 min  
 Lab File: VW011332.D  
 Acq: 18 Jul 2019 14:09

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0718SBS01

| Tot Ion | 97    | Resp: | 31251 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 97      | 100   |       |       |
| 83      | 87.5  | 70.2  | 105.4 |
| 85      | 59.8  | 44.2  | 66.2  |
| 99      | 61.4  | 52.6  | 79.0  |

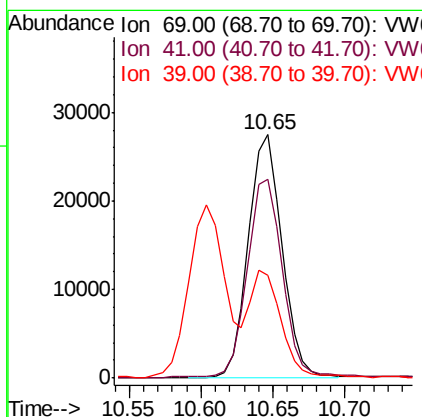
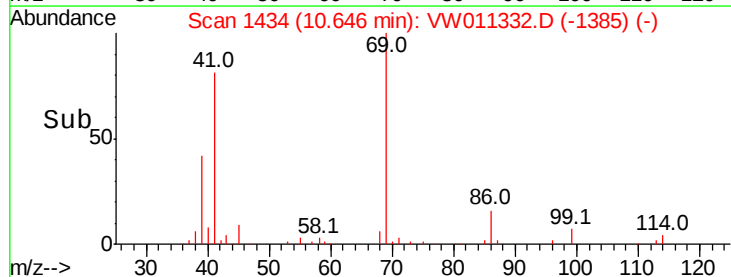
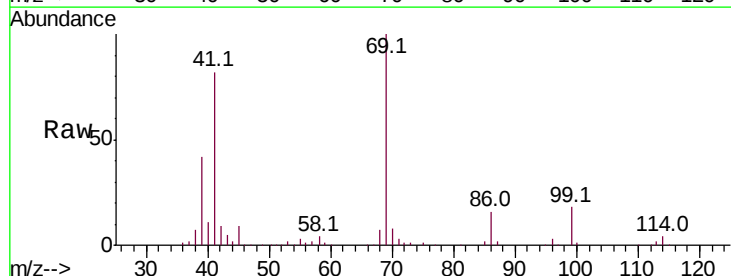
Manual Integrations  
 APPROVED

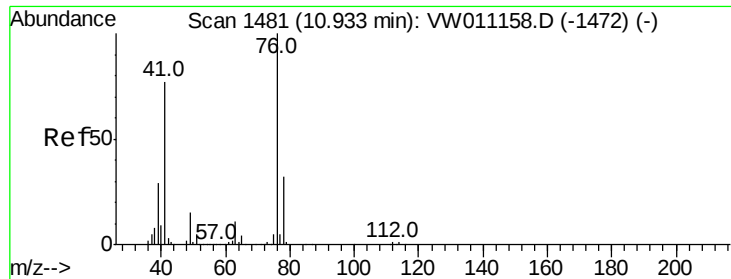
MMDadoda  
 7/19/2019 9:53:54 AM



#56  
 Ethyl methacrylate  
 Concen: 18.000 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. 0.00 min  
 Lab File: VW011332.D  
 Acq: 18 Jul 2019 14:09

| Tgt Ion | 69    | Resp: | 44651 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 69      | 100   |       |       |
| 41      | 87.2  | 66.5  | 99.7  |
| 39      | 40.0  | 32.5  | 48.7  |





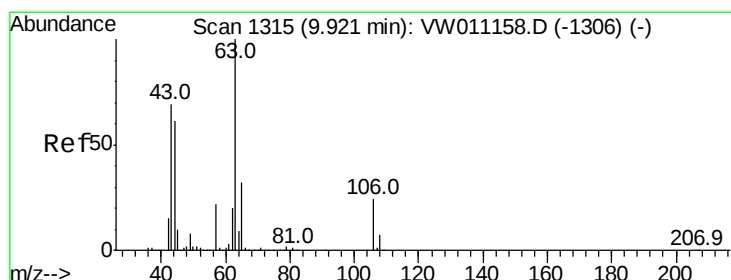
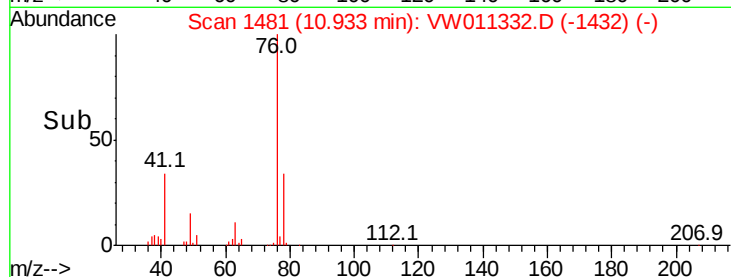
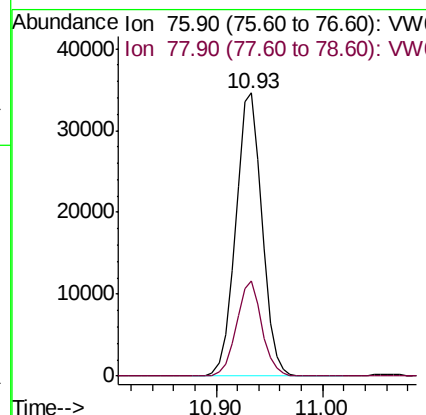
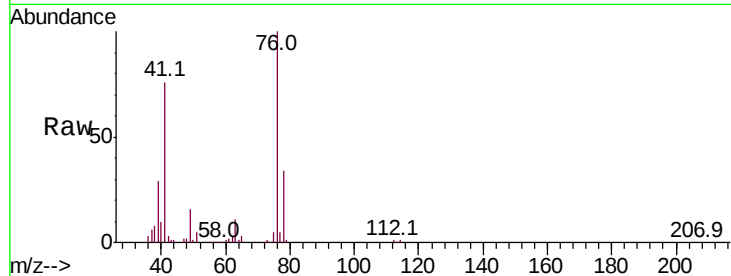
#57  
 1,3-Dichloropropane  
 Concen: 19.421 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. 0.00 min  
 Lab File: VW011332.D  
 Acq: 18 Jul 2019 14:09

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0718SBS01

Tot Ion: 76 Resp: 59838  
 Ion Ratio Lower Upper  
 76 100  
 78 32.5 26.2 39.2

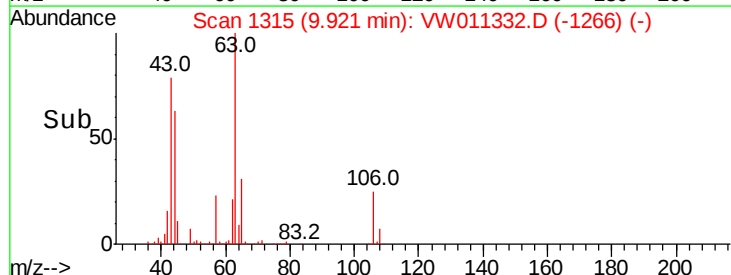
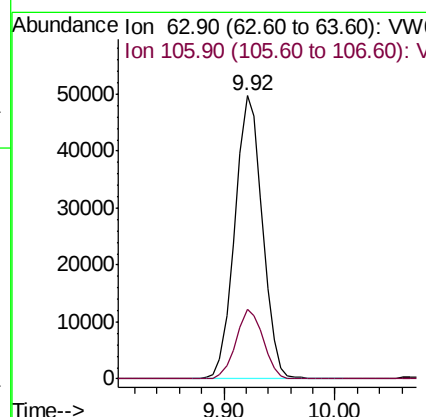
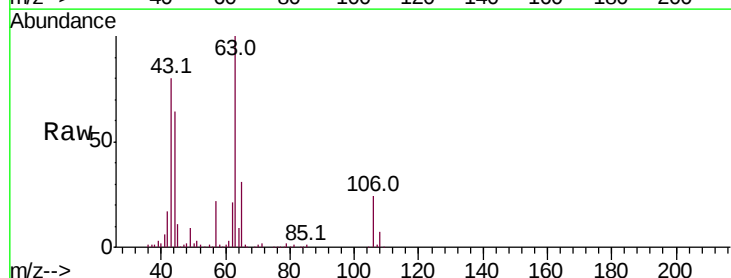
Manual Integrations  
 APPROVED

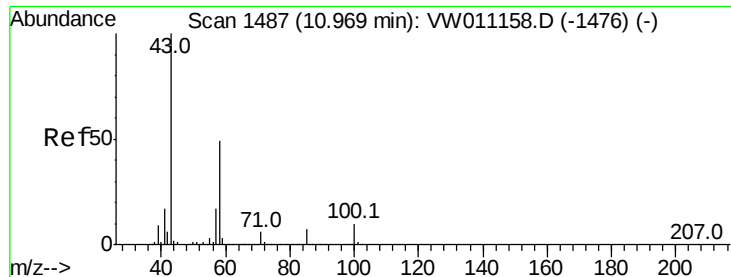
MMDadoda  
 7/19/2019 9:53:54 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 74.188 ug/l  
 RT: 9.92 min Scan# 1315  
 Delta R.T. 0.00 min  
 Lab File: VW011332.D  
 Acq: 18 Jul 2019 14:09

Tgt Ion: 63 Resp: 85319  
 Ion Ratio Lower Upper  
 63 100  
 106 24.2 19.4 29.0





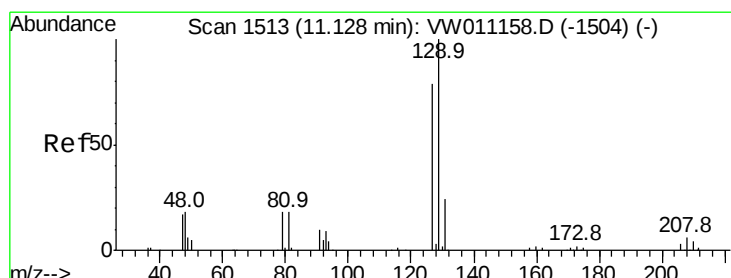
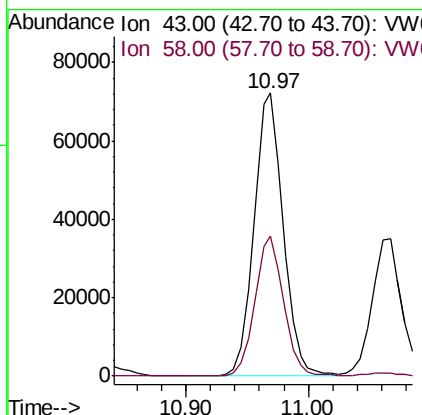
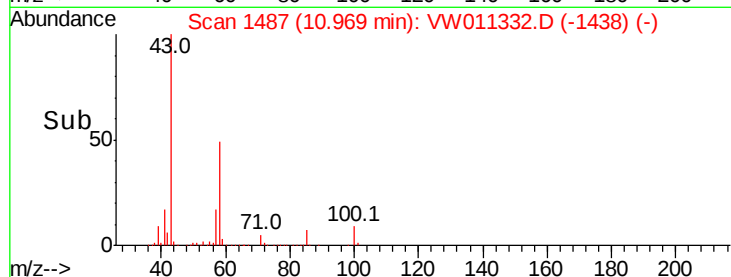
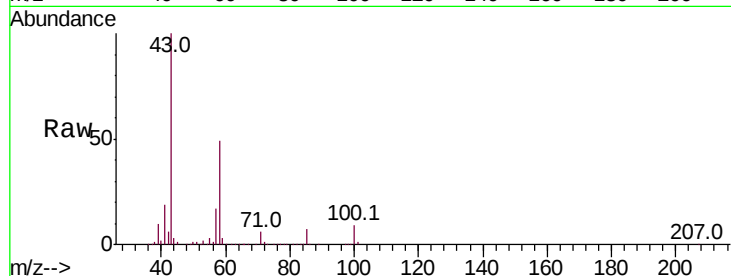
#59  
2-Hexanone  
Concen: 89.314 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0718SBS01

Tot Ion: 43 Resp: 119908  
Ion Ratio Lower Upper  
43 100  
58 48.7 24.4 73.4

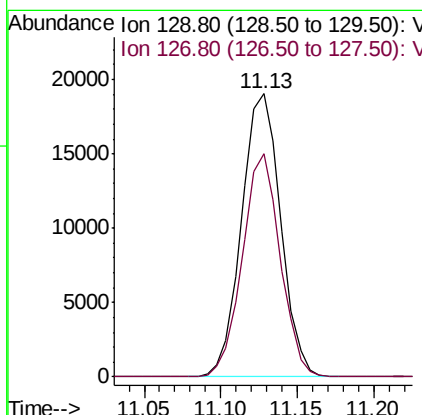
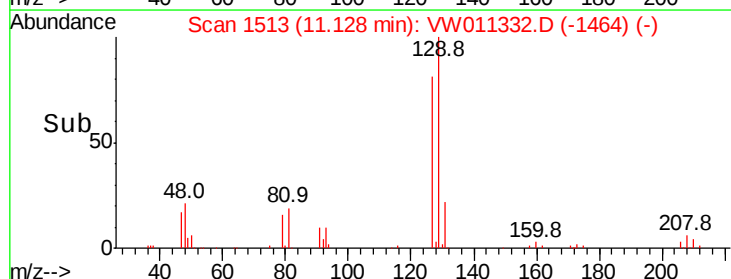
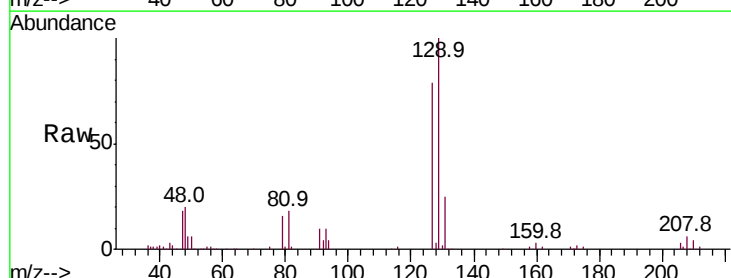
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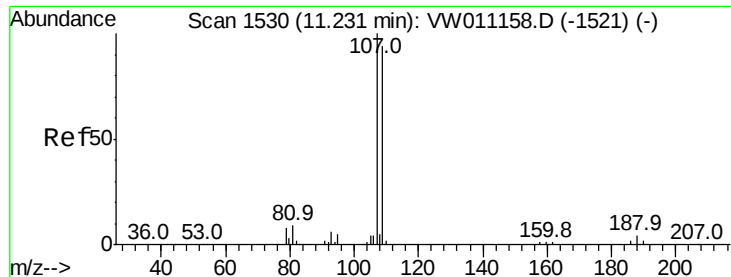
MMDadoda  
7/19/2019 9:53:54 AM



#60  
Dibromochloromethane  
Concen: 18.925 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

Tgt Ion: 129 Resp: 33814  
Ion Ratio Lower Upper  
129 100  
127 76.2 39.1 117.3





#61

1,2-Dibromoethane

Concen: 19.190 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA\_W

ClientSampleId :

VW0718SBS01

Tot Ion:107 Resp: 29617

Ion Ratio Lower Upper

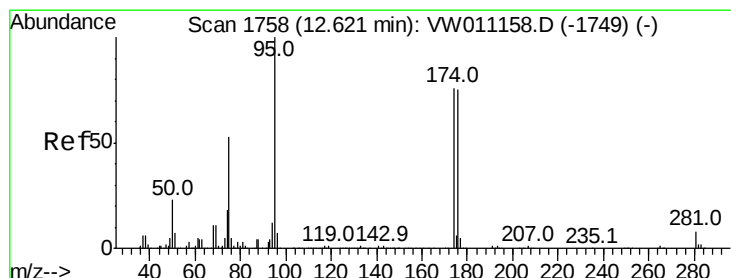
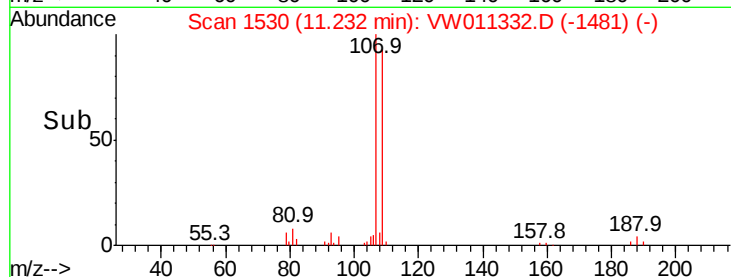
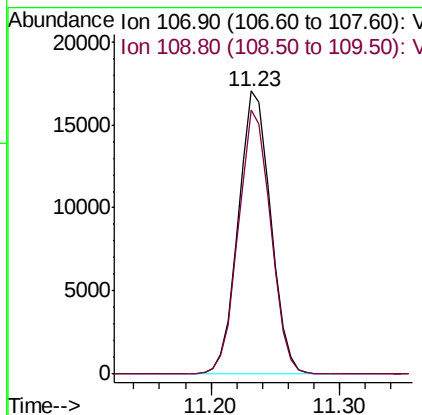
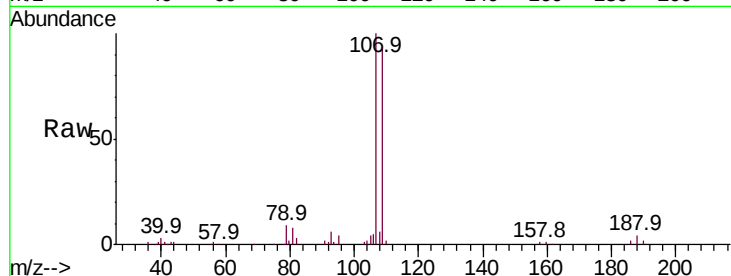
107 100

109 93.2 75.2 112.8

Manual Integrations  
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7/19/2019 9:53:54 AM



#62

4-Bromofluorobenzene

Concen: 44.835 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

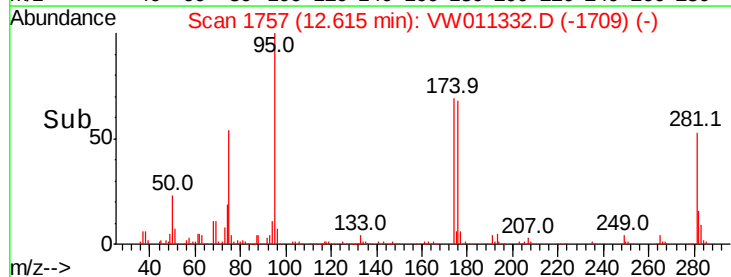
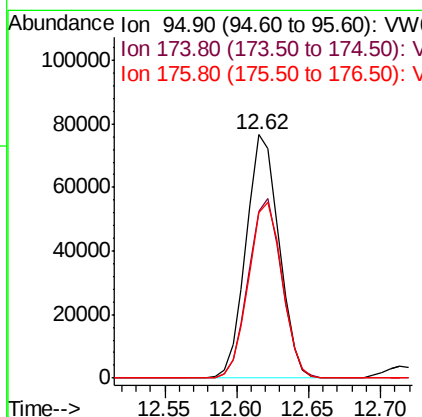
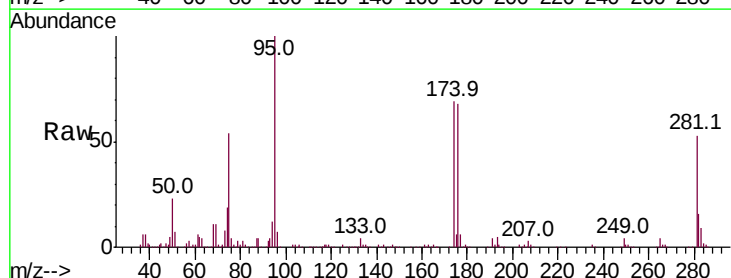
Tgt Ion: 95 Resp: 121468

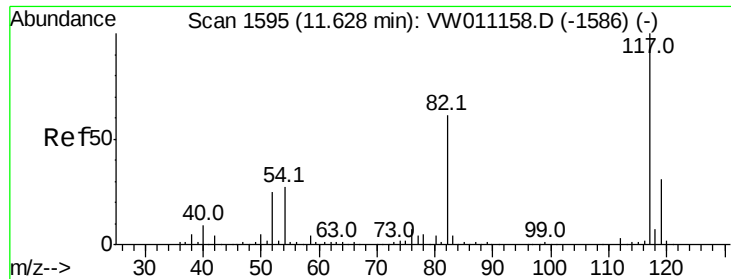
Ion Ratio Lower Upper

95 100

174 74.6 0.0 147.6

176 73.8 0.0 144.6





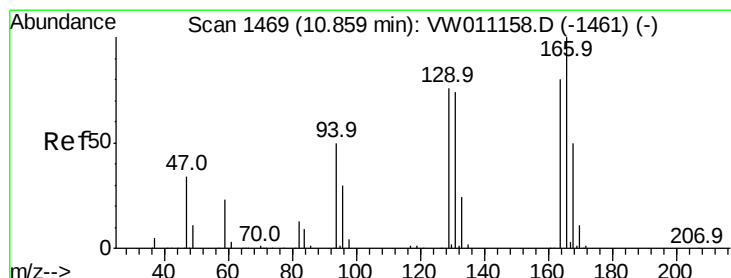
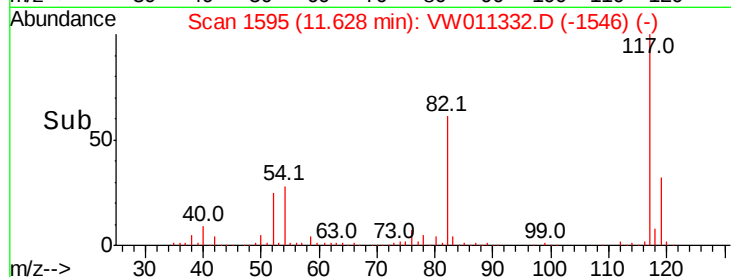
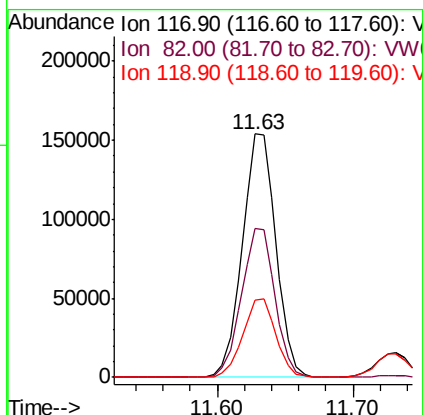
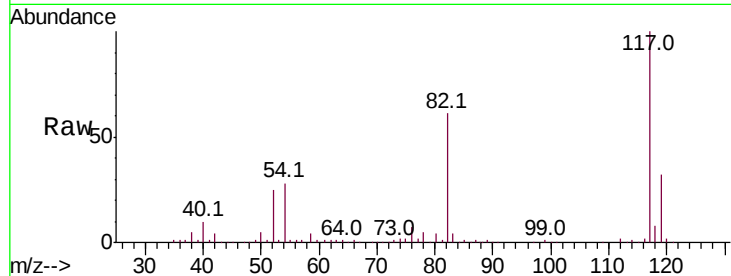
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0718SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 61.2  | 48.9  | 73.3  |
| 119     | 31.7  | 25.0  | 37.6  |

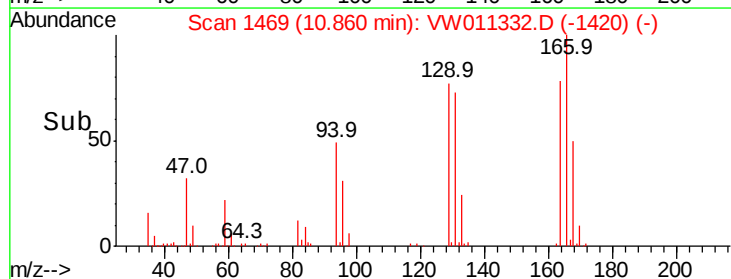
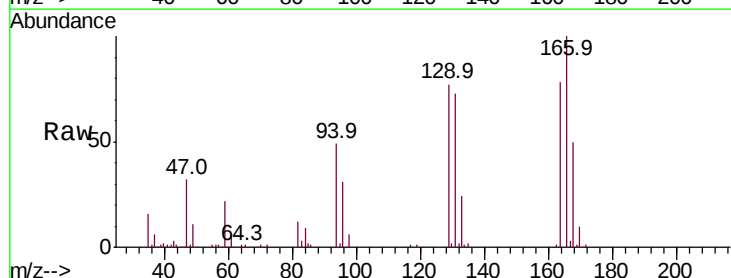
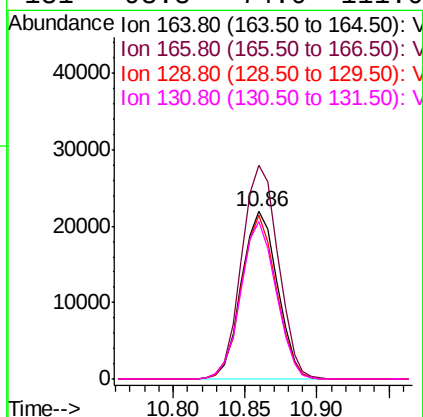
Manual Integrations  
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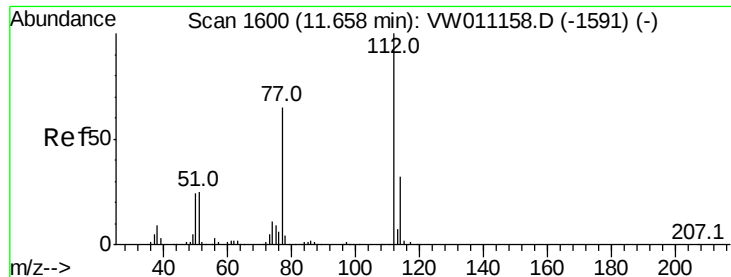
MMDadoda  
7/19/2019 9:53:54 AM



#64  
Tetrachloroethene  
Concen: 21.191 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 127.6 | 99.7  | 149.5 |
| 129     | 97.9  | 76.2  | 114.2 |
| 131     | 93.8  | 74.0  | 111.0 |





#65

Chlorobenzene

Concen: 20.750 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA\_W

ClientSampleId :

VW0718SBS01

Tot Ion:112 Resp: 112192

Ion Ratio Lower Upper

112 100

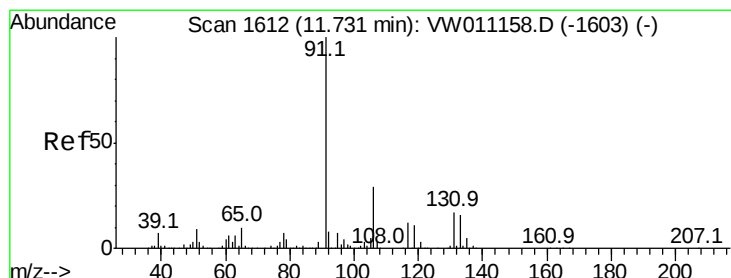
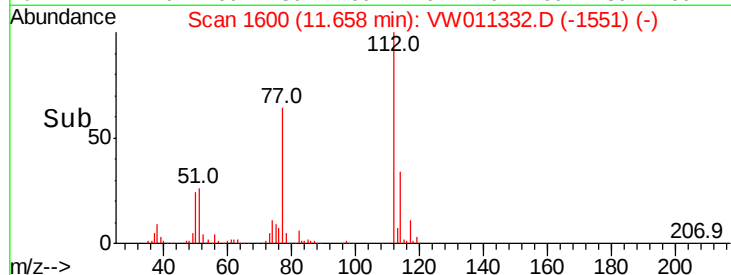
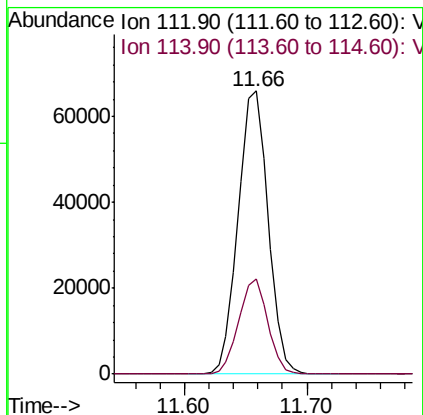
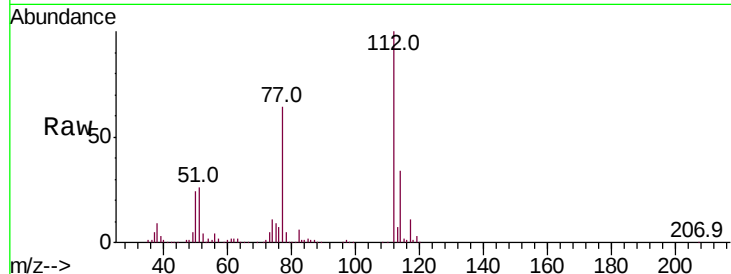
114 33.8 25.5 38.3

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.208 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

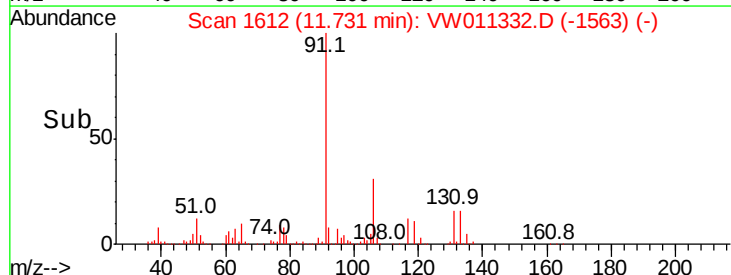
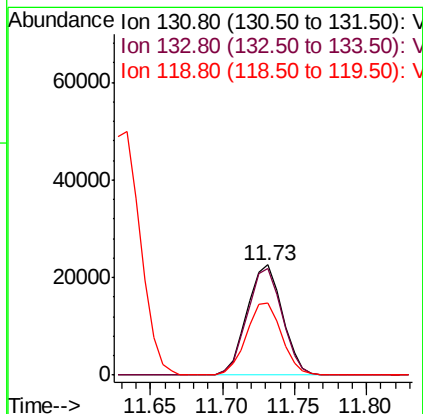
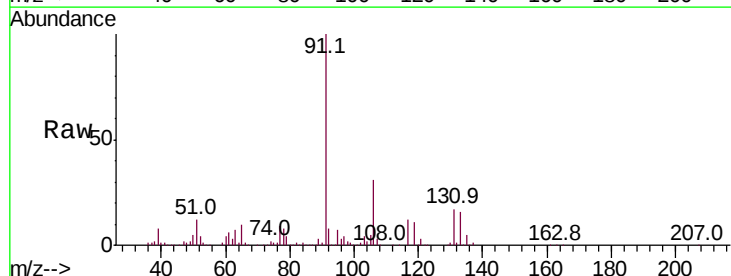
Tgt Ion:131 Resp: 38471

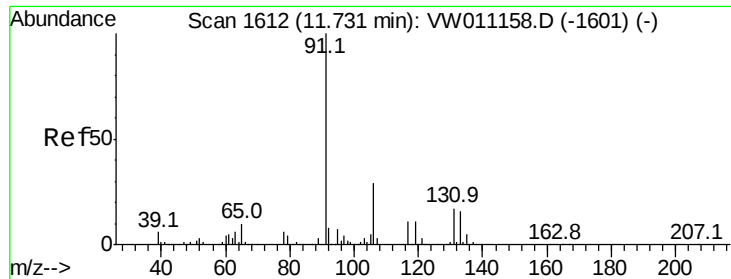
Ion Ratio Lower Upper

131 100

133 95.2 47.9 143.8

119 65.6 33.1 99.2





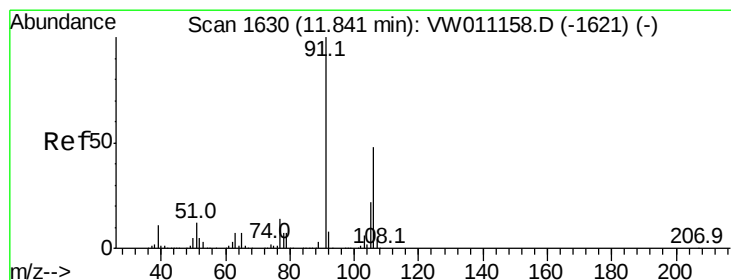
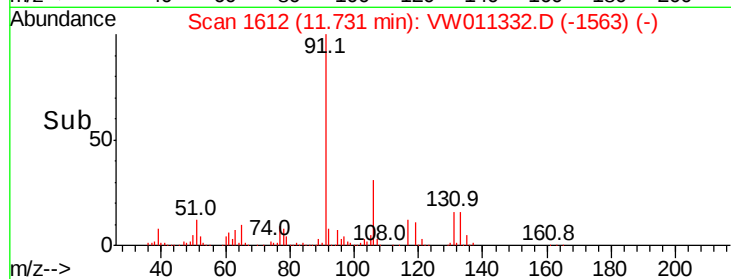
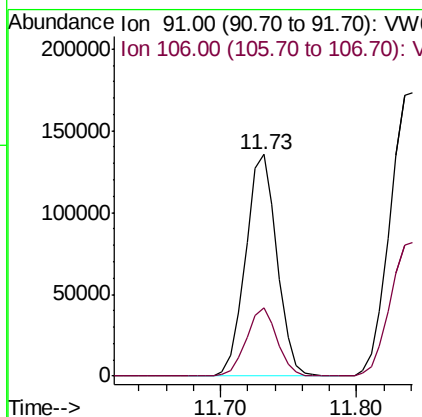
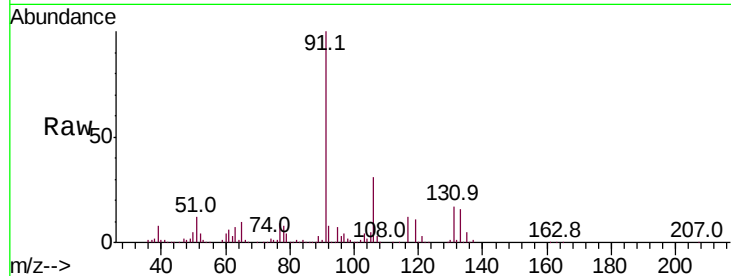
#67  
Ethyl Benzene  
Concen: 21.115 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0718SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 30.7  | 23.5  | 35.3  |

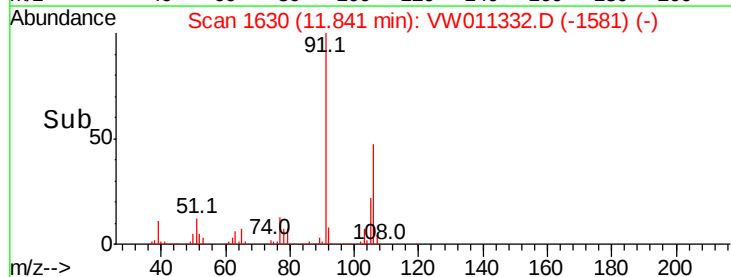
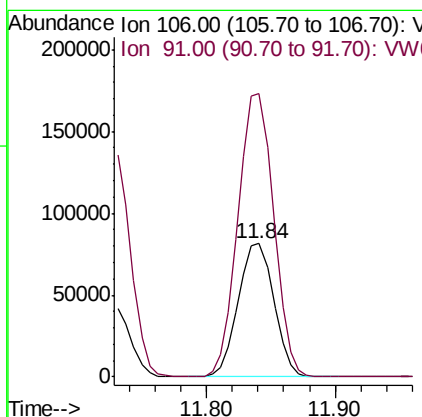
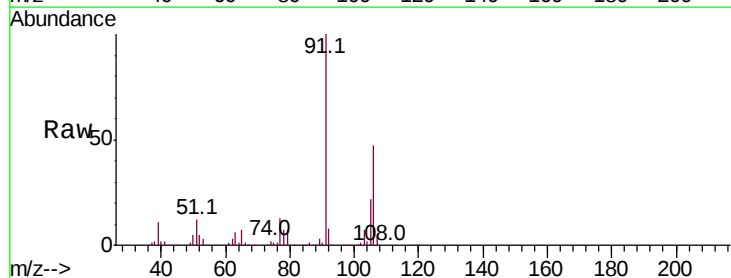
Manual Integrations  
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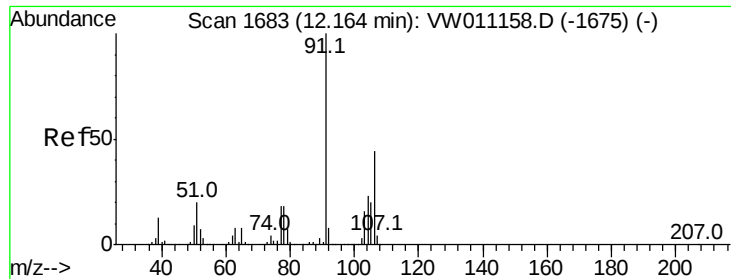
MMDadoda  
7/19/2019 9:53:54 AM



#68  
m/p-Xylenes  
Concen: 41.938 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 212.7 | 167.7 | 251.5 |





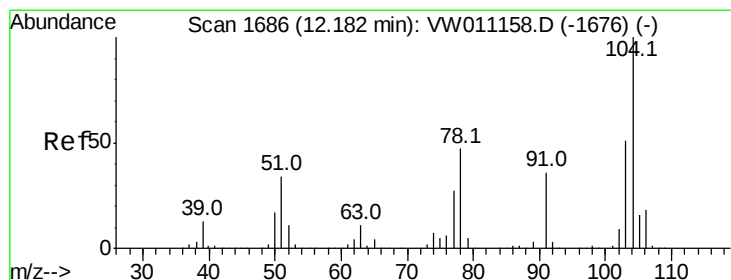
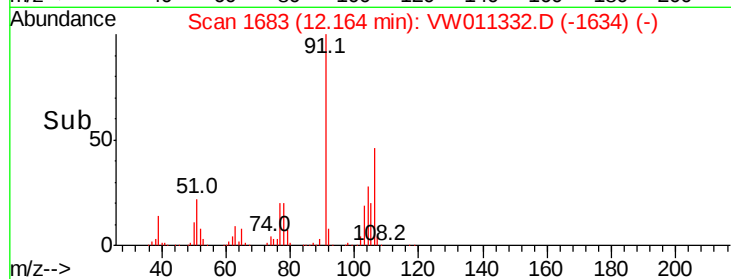
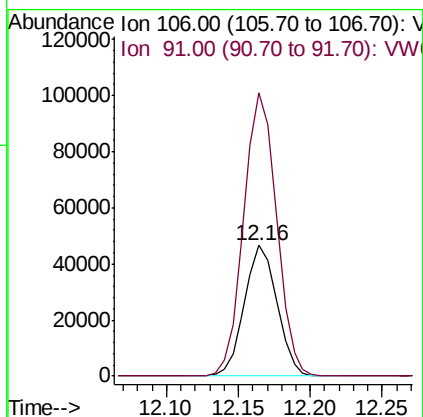
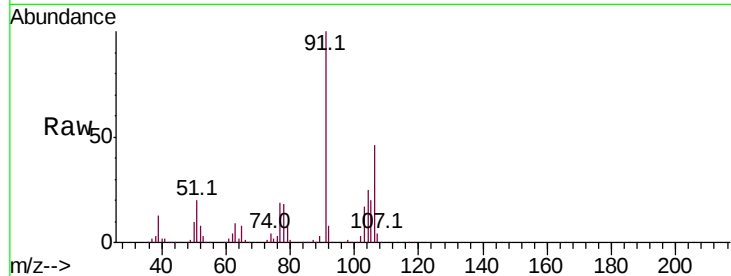
#69  
o-Xylene  
Concen: 20.733 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0718SBS01

Tot Ion:106 Resp: 73187  
Ion Ratio Lower Upper  
106 100  
91 218.7 110.7 332.1

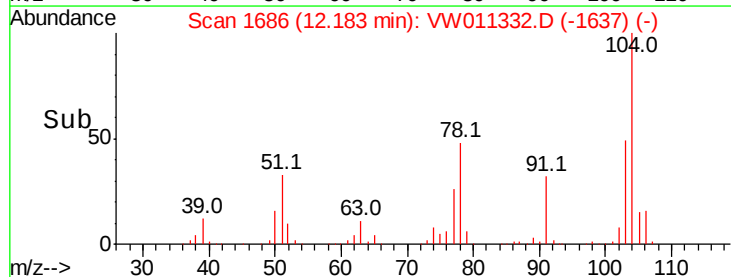
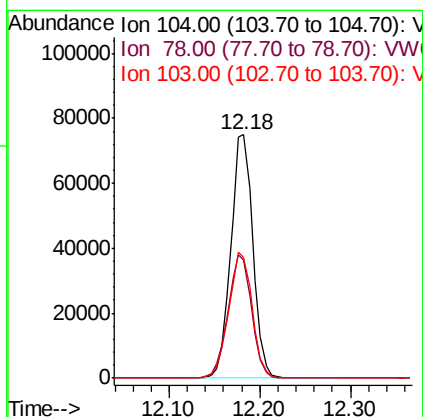
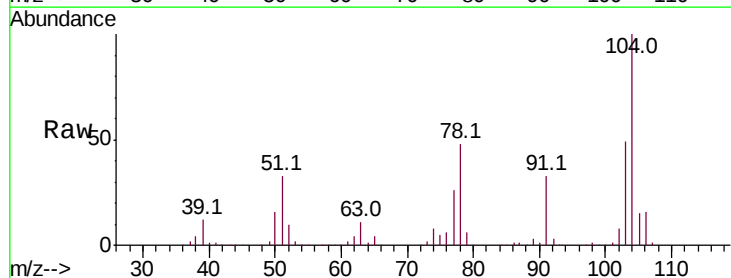
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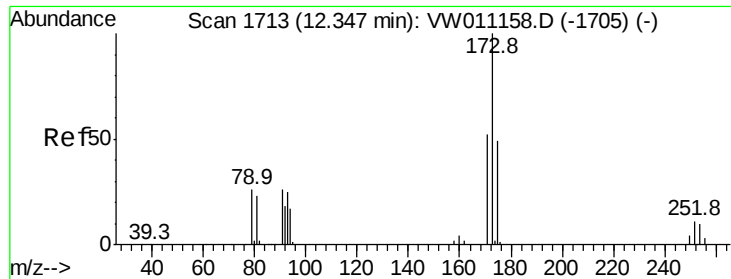
MMDadoda  
7/19/2019 9:53:54 AM



#70  
Styrene  
Concen: 20.675 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

Tgt Ion:104 Resp: 125959  
Ion Ratio Lower Upper  
104 100  
78 54.4 43.1 64.7  
103 54.9 44.1 66.1





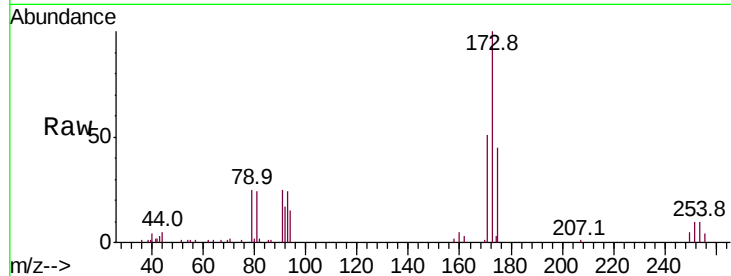
#71  
Bromoform  
Concen: 17.663 ug/l  
RT: 12.35 min Scan# 1713  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0718SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.9  | 24.8  | 74.3  |
| 254     | 0.0   | 0.0   | 0.0   |

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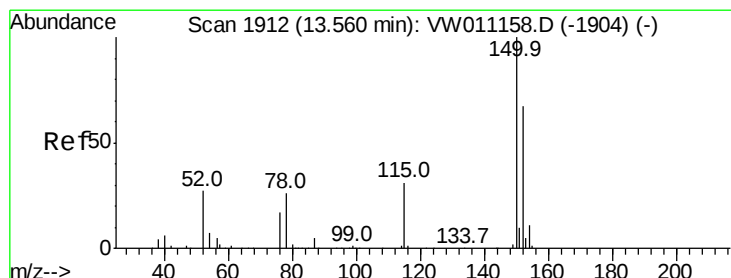
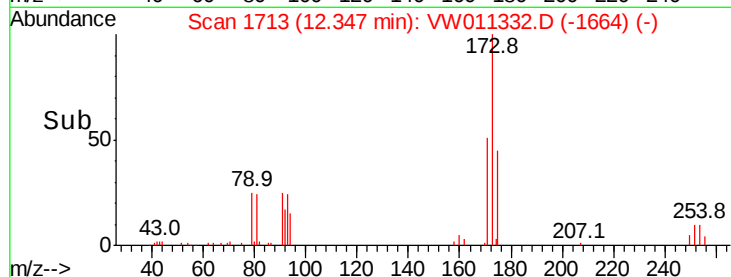
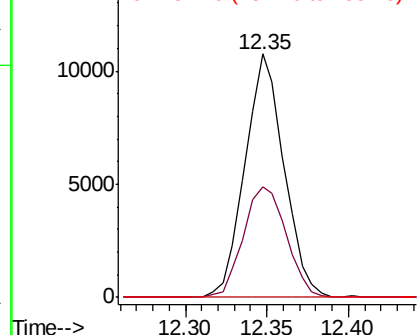


Abundance

Ion 172.70 (172.40 to 173.40): V

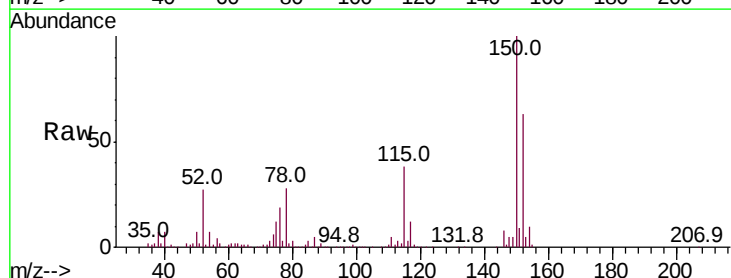
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.4  | 30.1  | 90.3  |
| 150     | 163.7 | 0.0   | 346.0 |

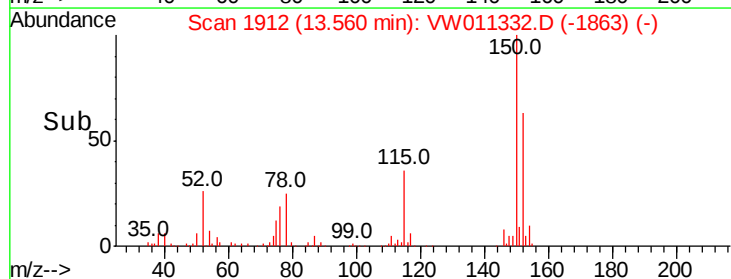
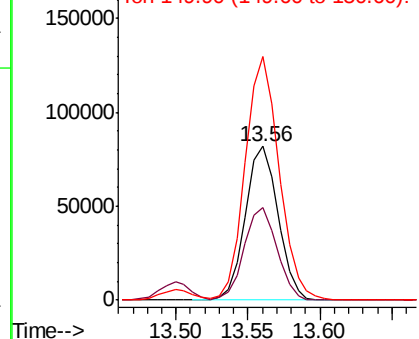


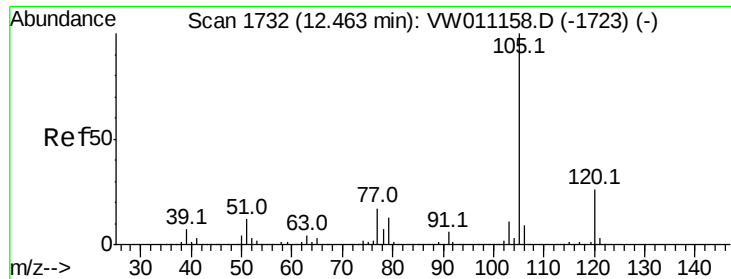
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.225 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA\_W

ClientSampleId :

VW0718SBS01

Tot Ion:105 Resp: 204776

Ion Ratio Lower Upper

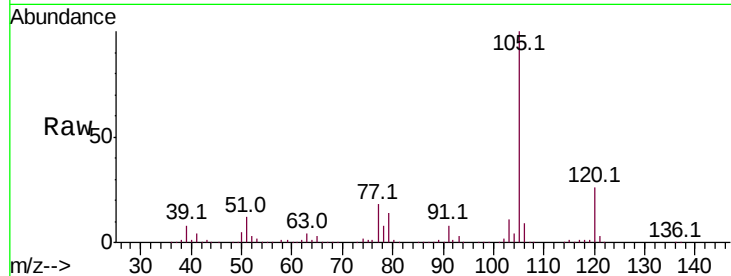
105 100

120 25.6 12.8 38.3

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7/19/2019 9:53:54 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

120000

100000

50000

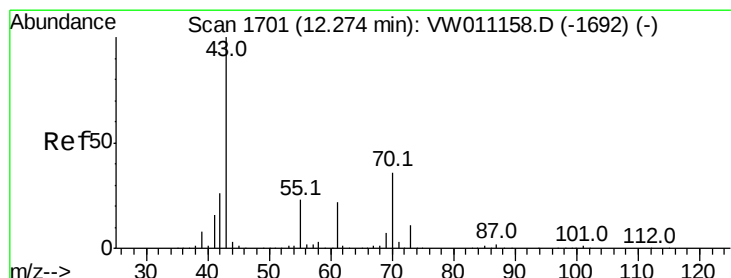
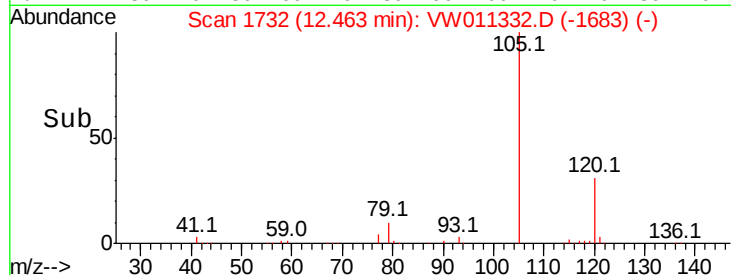
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 18.151 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Tgt Ion: 43 Resp: 60990

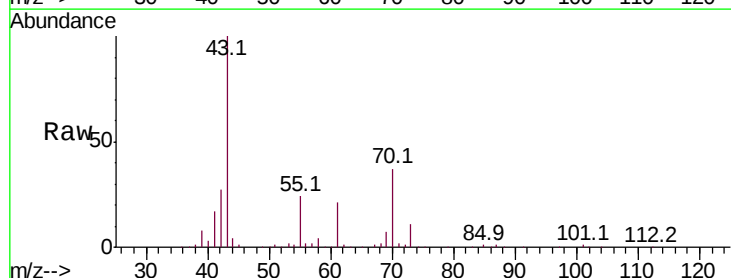
Ion Ratio Lower Upper

43 100

70 36.8 28.5 42.7

55 24.3 18.1 27.1

61 21.1 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

60000

50000

40000

30000

20000

10000

0

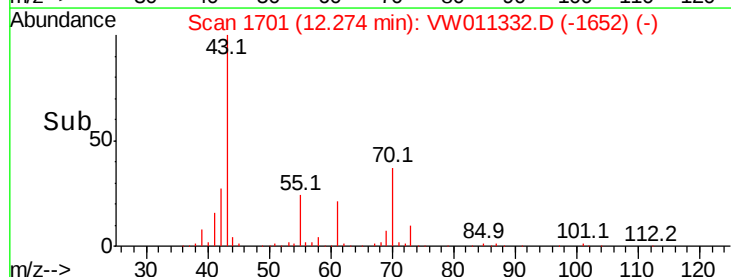
12.27

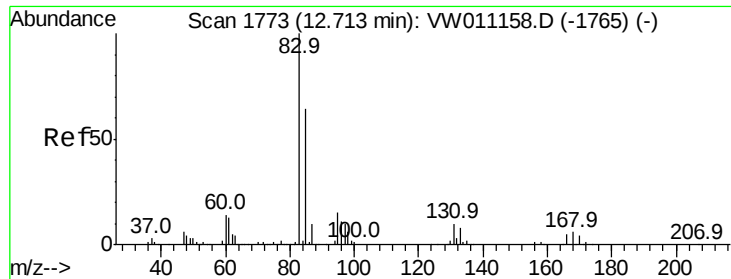
12.20

12.30

12.35

Time-->





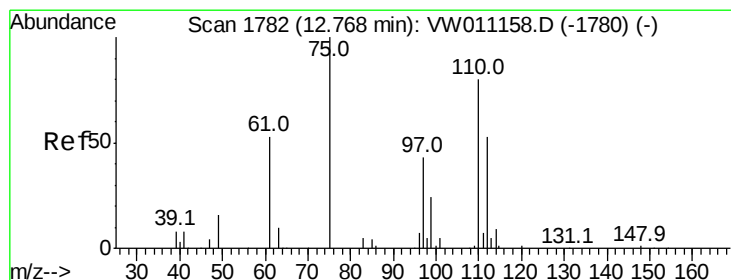
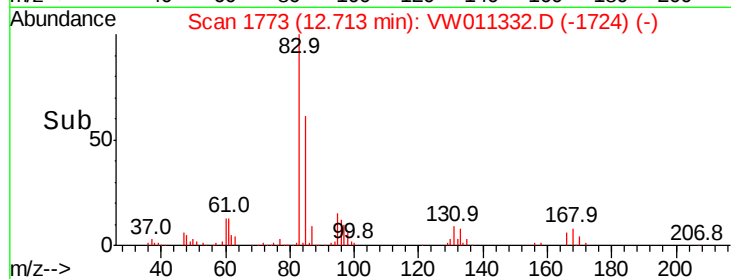
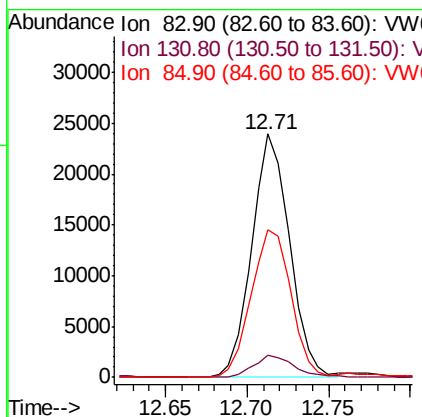
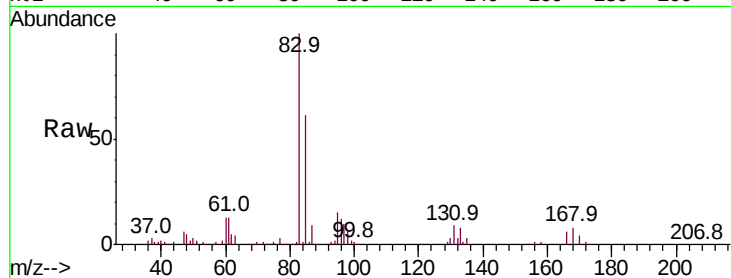
#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 19.517 ug/l  
 RT: 12.71 min Scan# 1773  
 Delta R.T. 0.00 min  
 Lab File: VW011332.D  
 Acq: 18 Jul 2019 14:09

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0718SBS01

| Tot Ion | 83    | Resp  | 38600 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 83      | 100   |       |       |
| 131     | 9.9   | 5.0   | 15.0  |
| 85      | 64.0  | 31.6  | 94.8  |

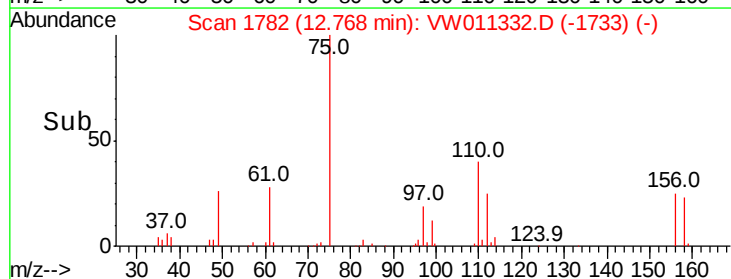
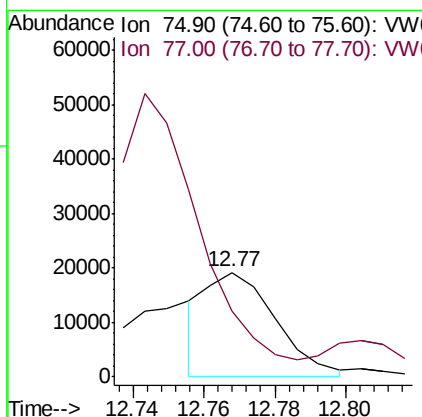
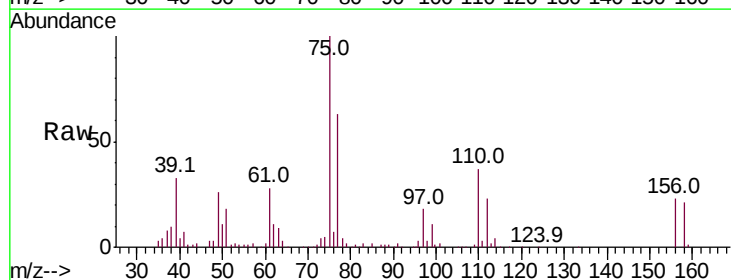
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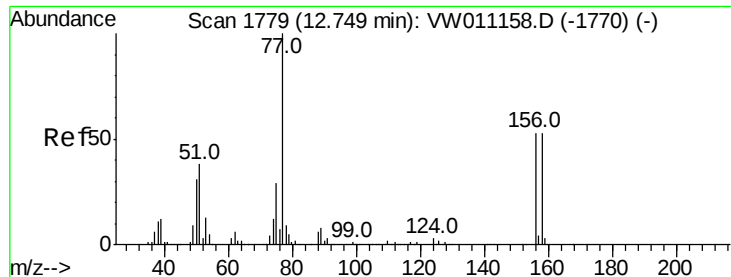
MMDadoda  
 7/19/2019 9:53:54 AM



#76  
 1,2,3-Trichloropropane  
 Concen: 17.686 ug/l m  
 RT: 12.77 min Scan# 1782  
 Delta R.T. 0.00 min  
 Lab File: VW011332.D  
 Acq: 18 Jul 2019 14:09

| Tgt Ion | 75    | Resp  | 26379 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 75      | 100   |       |       |
| 77      | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 20.221 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA\_W

ClientSampleId :

VW0718SBS01

Tot Ion:156 Resp: 43782

Ion Ratio Lower Upper

156 100

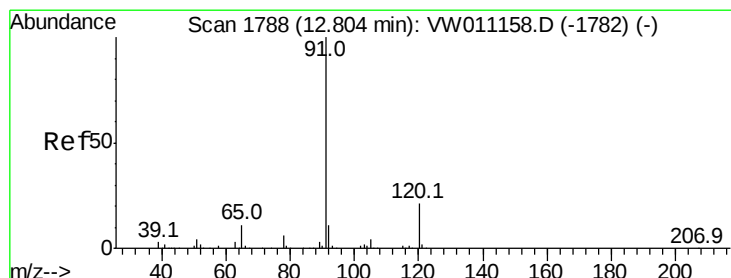
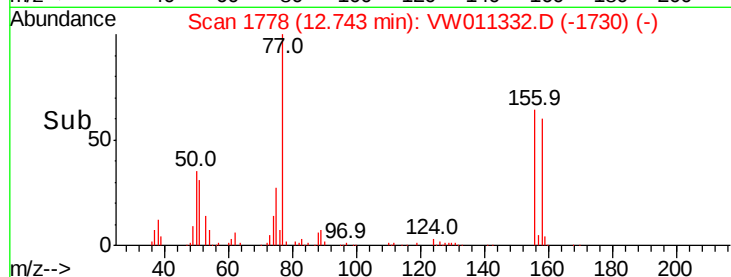
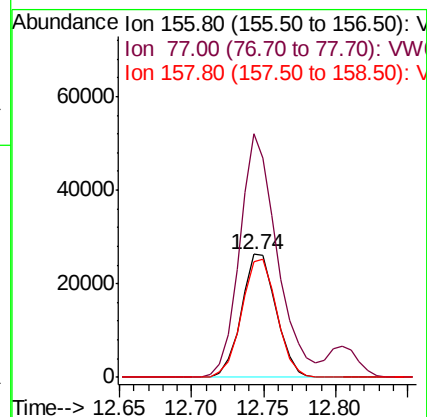
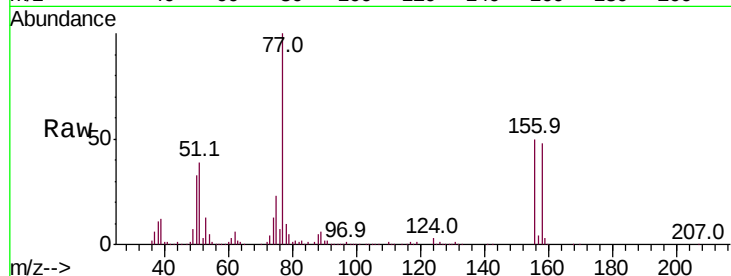
77 214.1 109.0 327.0

158 97.5 48.8 146.3

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#78

n-propylbenzene

Concen: 21.285 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011332.D

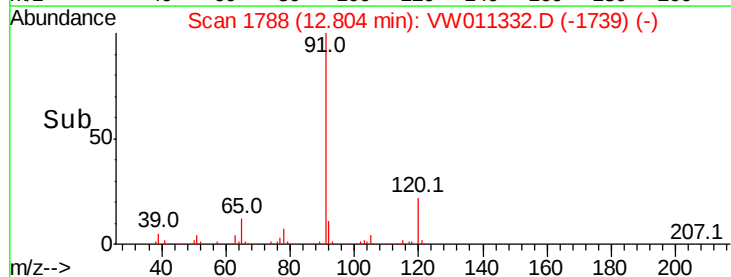
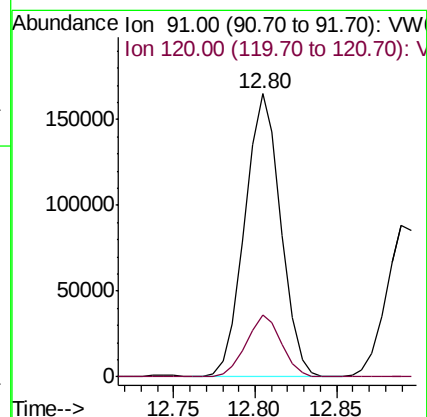
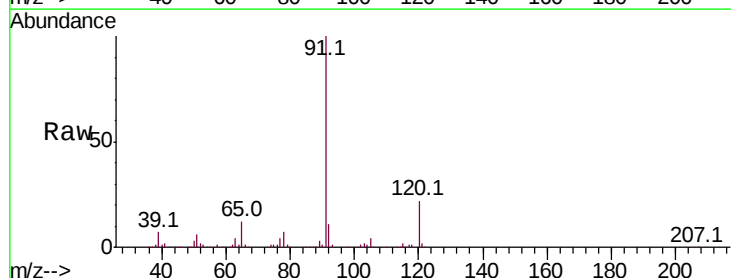
Acq: 18 Jul 2019 14:09

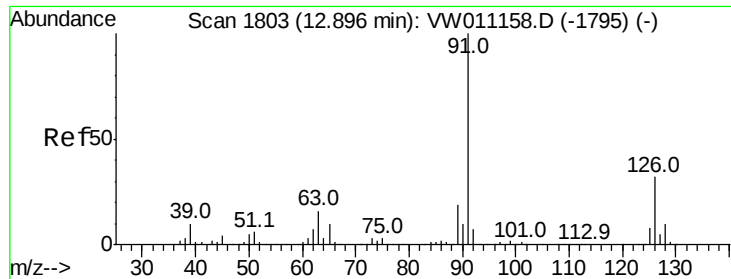
Tgt Ion: 91 Resp: 252969

Ion Ratio Lower Upper

91 100

120 21.5 10.8 32.3





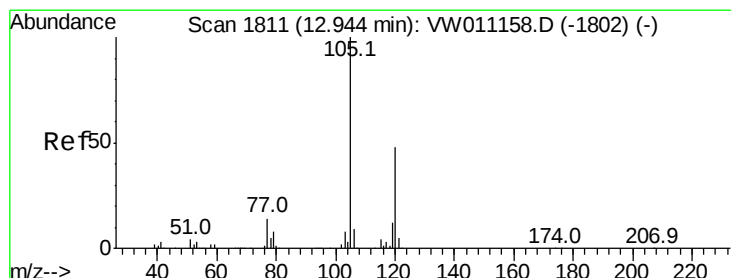
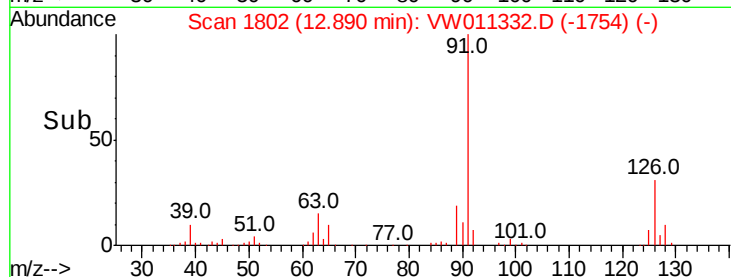
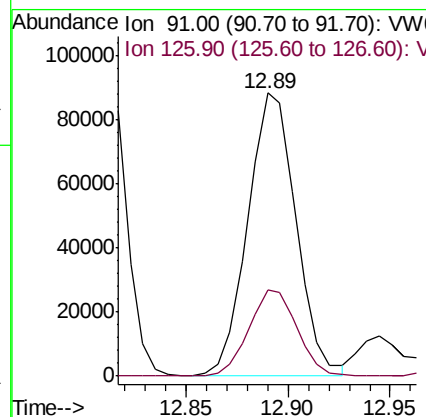
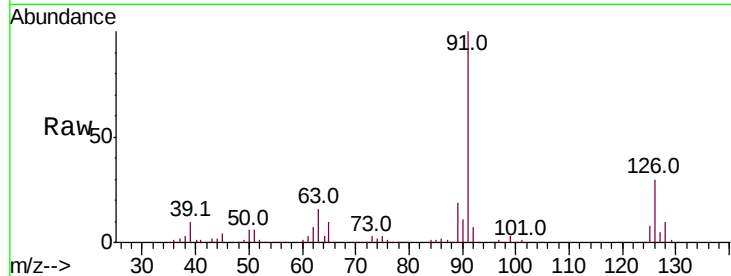
#79  
 2-Chlorotoluene  
 Concen: 21.177 ug/l  
 RT: 12.89 min Scan# 1802  
 Delta R.T. -0.01 min  
 Lab File: VW011332.D  
 Acq: 18 Jul 2019 14:09

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0718SBS01

Tot Ion: 91 Resp: 144837  
 Ion Ratio Lower Upper  
 91 100  
 126 30.5 15.8 47.3

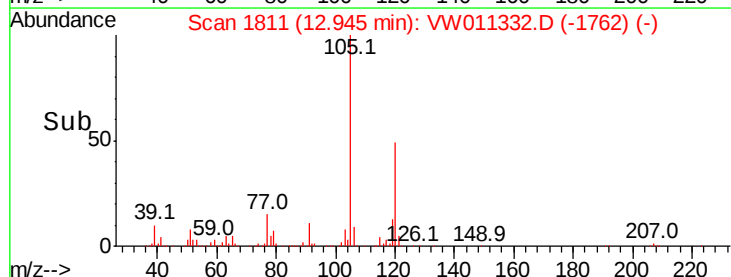
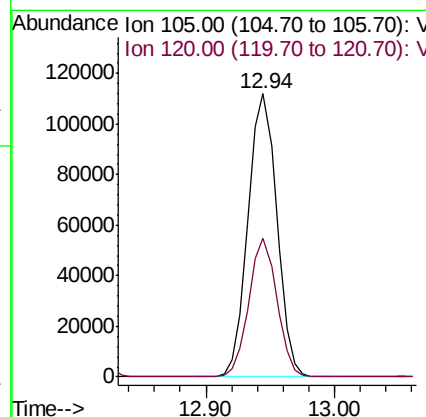
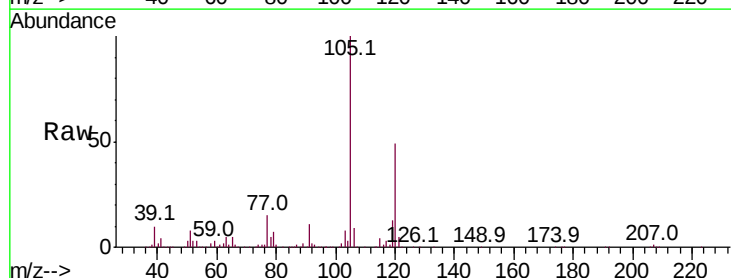
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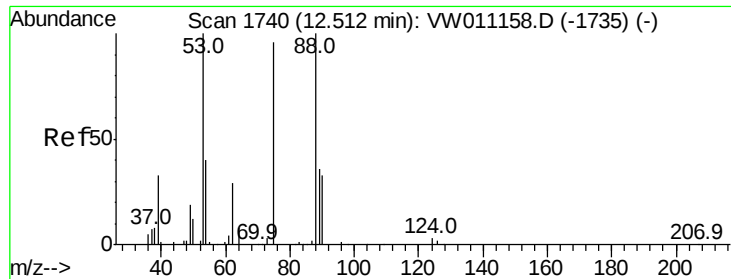
MMDadoda  
 7/19/2019 9:53:54 AM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 21.000 ug/l  
 RT: 12.94 min Scan# 1811  
 Delta R.T. 0.00 min  
 Lab File: VW011332.D  
 Acq: 18 Jul 2019 14:09

Tgt Ion:105 Resp: 172129  
 Ion Ratio Lower Upper  
 105 100  
 120 47.9 24.1 72.2





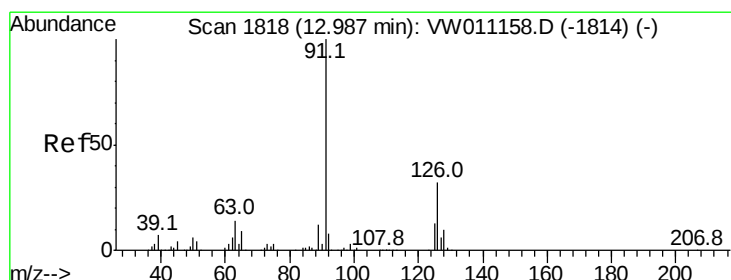
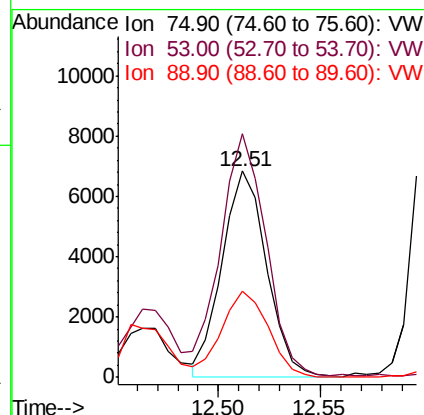
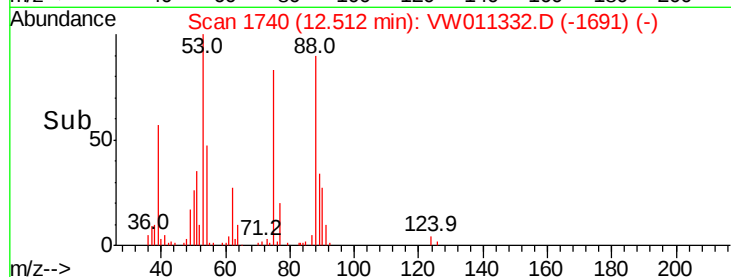
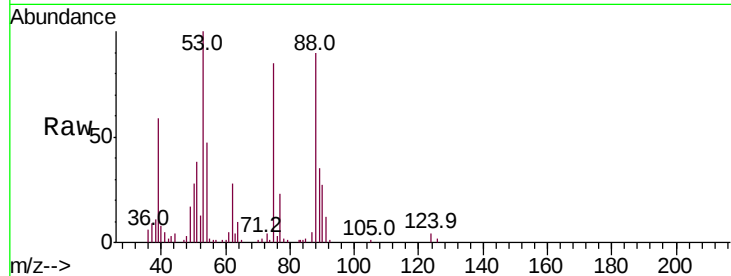
#81  
trans-1,4-Dichloro-2-butene  
Concen: 15.780 ug/l  
RT: 12.51 min Scan# 1740  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0718SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 121.0 | 89.8  | 134.6 |
| 89      | 43.3  | 34.3  | 51.5  |

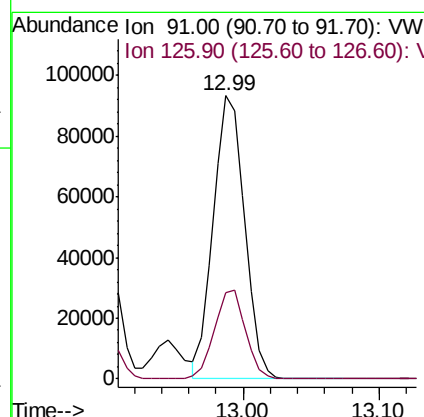
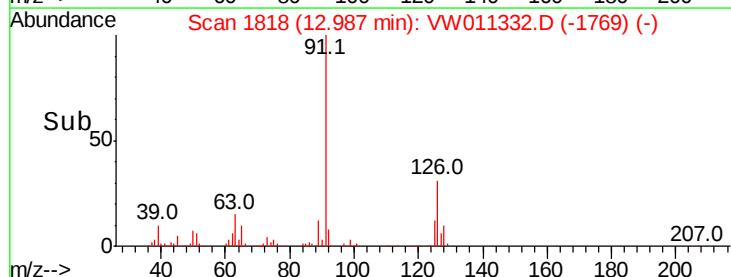
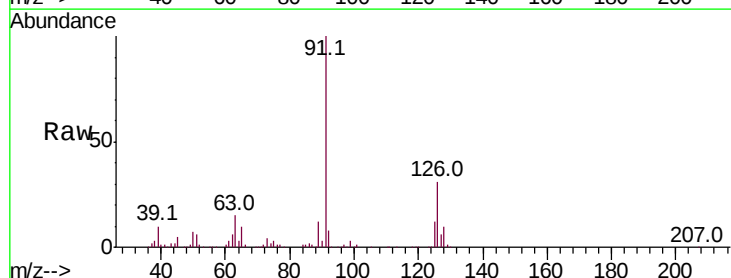
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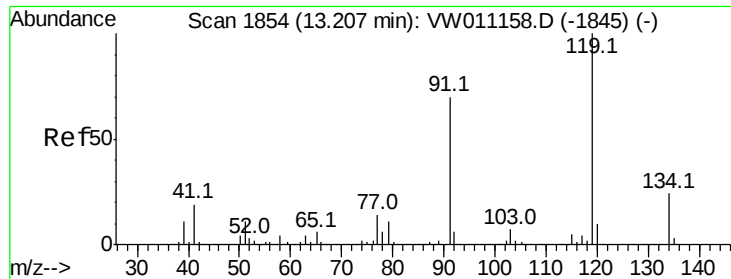
MMDadoda  
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#82  
4-Chlorotoluene  
Concen: 20.844 ug/l  
RT: 12.99 min Scan# 1818  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

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





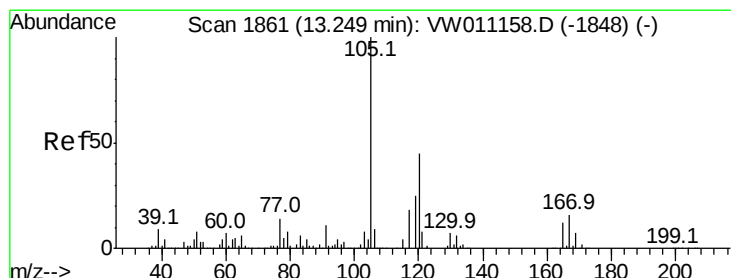
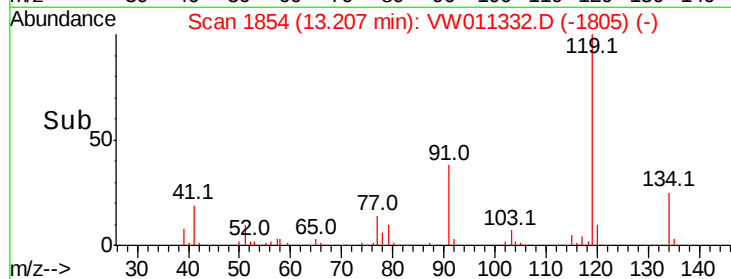
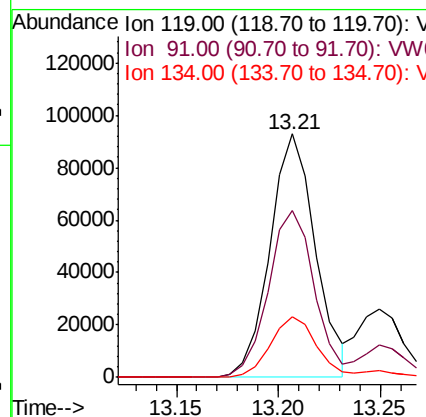
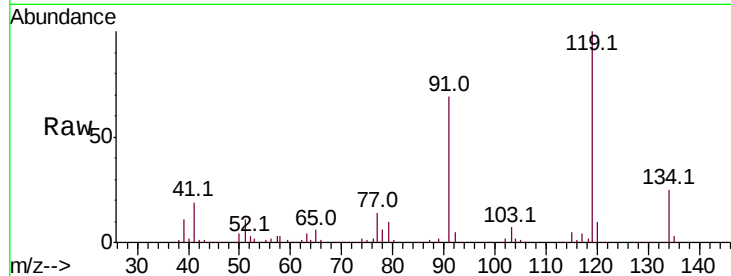
#83  
tert-Butylbenzene  
Concen: 21.136 ug/l  
RT: 13.21 min Scan# 1854  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0718SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 144484 |       |       |
| 91      | 69.3  | 35.4   | 106.3 |       |
| 134     | 25.2  | 13.4   | 40.2  |       |

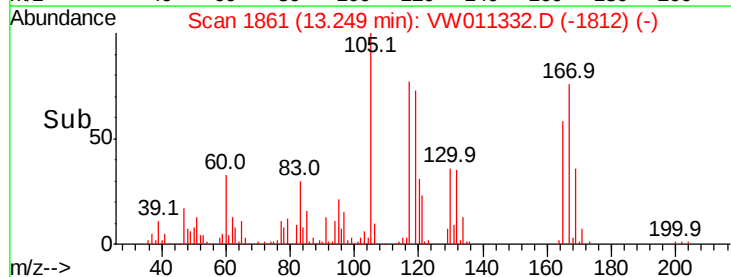
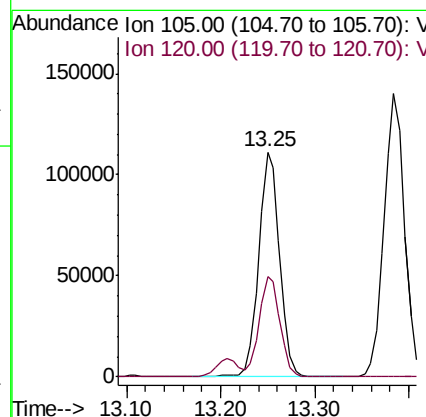
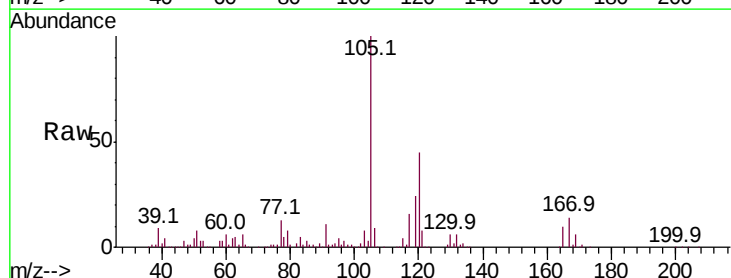
Manual Integrations  
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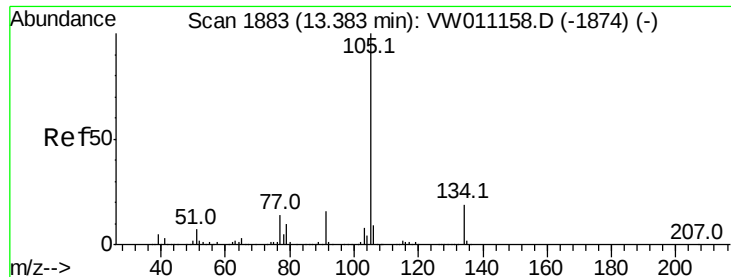
MMDadoda  
7/19/2019 9:53:54 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 21.078 ug/l  
RT: 13.25 min Scan# 1861  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 173475 |       |       |
| 120     | 44.5  | 22.3   | 66.9  |       |





#85

sec-Butylbenzene

Concen: 21.326 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA\_W

ClientSampleId :

VW0718SBS01

Tot Ion:105 Resp: 210356

Ion Ratio Lower Upper

105 100

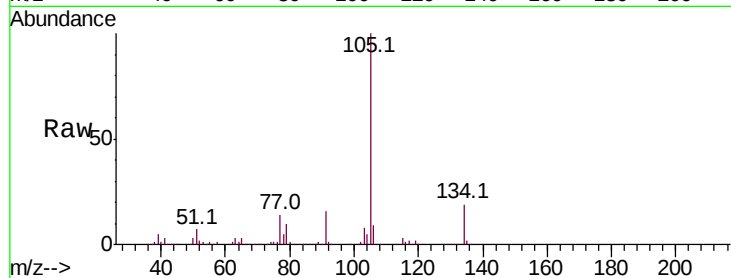
134 19.5 9.7 28.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

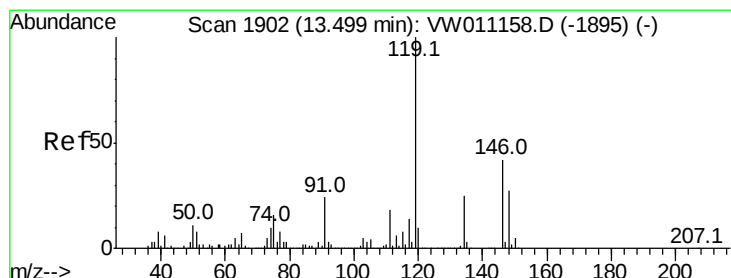
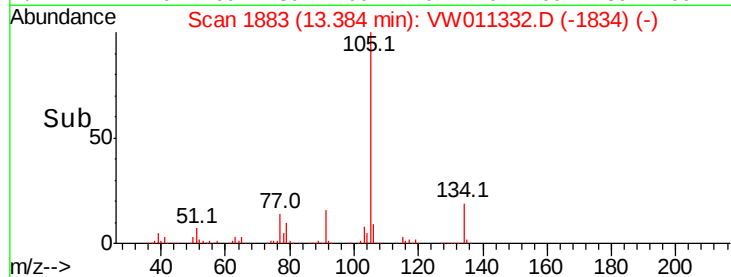
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.183 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

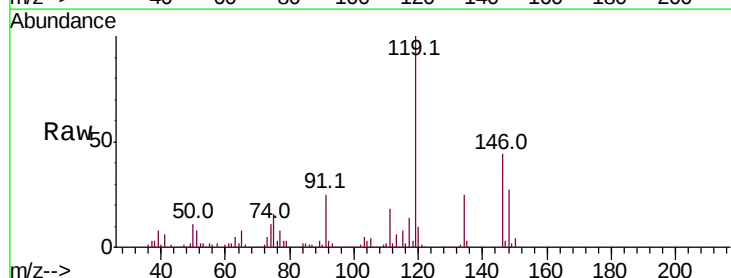
Tgt Ion:119 Resp: 187410

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.6

91 24.8 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

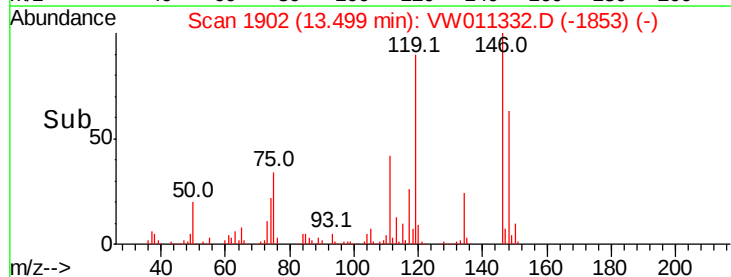
150000

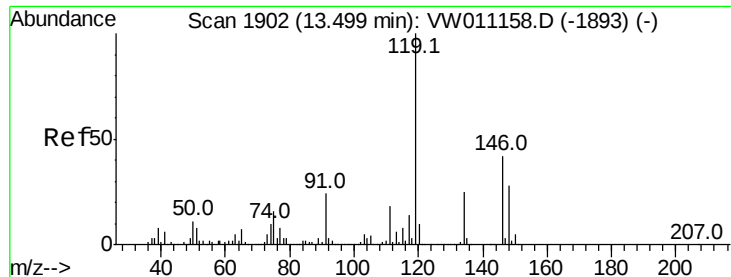
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.322 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

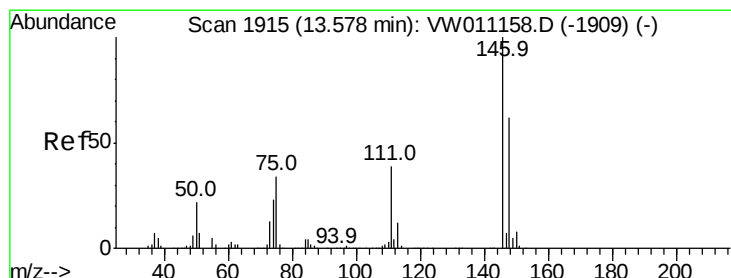
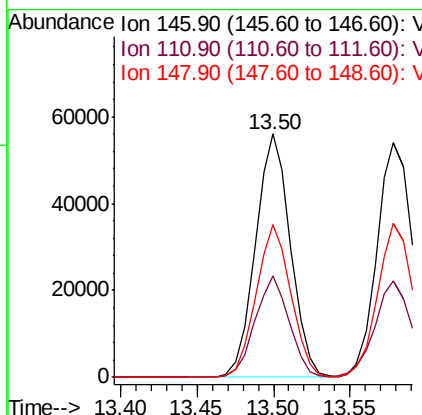
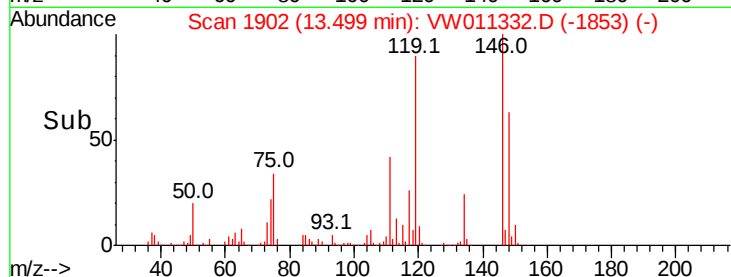
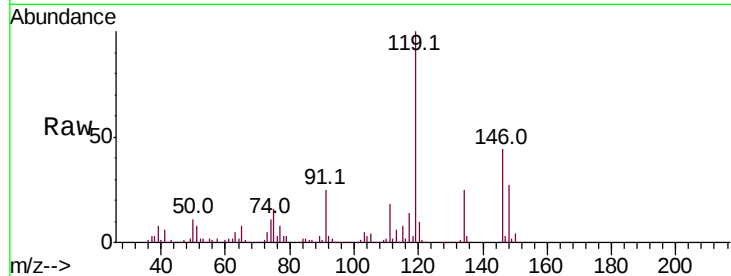
Instrument :  
MSVOA\_W

ClientSampleId :  
VW0718SBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 146     | 100   | 88824 |       |       |
| 111     | 40.6  | 21.1  | 63.1  |       |
| 148     | 62.5  | 32.6  | 97.7  |       |

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#88

1,4-Dichlorobenzene

Concen: 20.943 ug/l

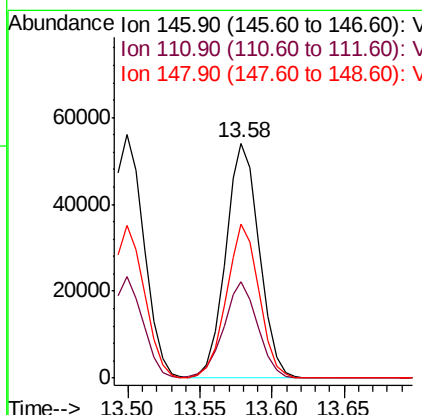
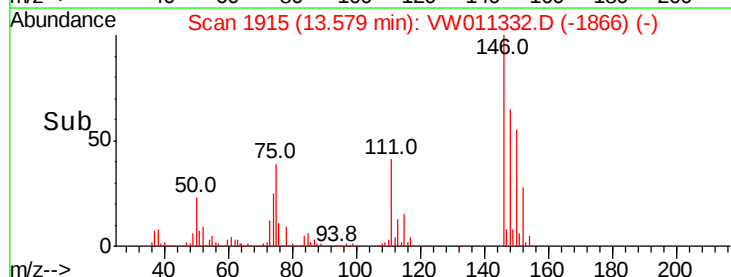
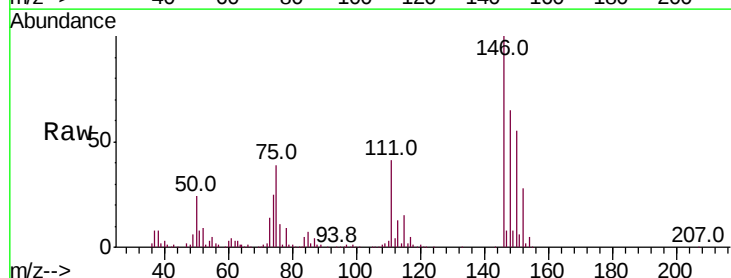
RT: 13.58 min Scan# 1915

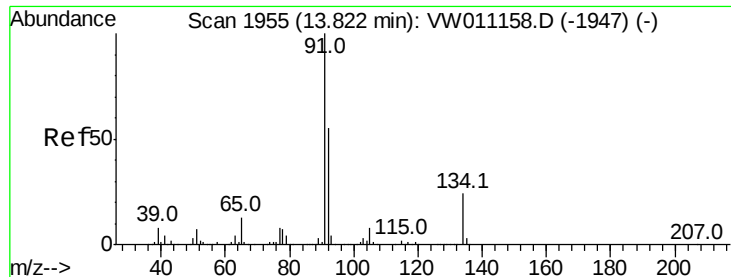
Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 146     | 100   | 87853 |       |       |
| 111     | 41.7  | 19.9  | 59.7  |       |
| 148     | 64.3  | 31.5  | 94.5  |       |





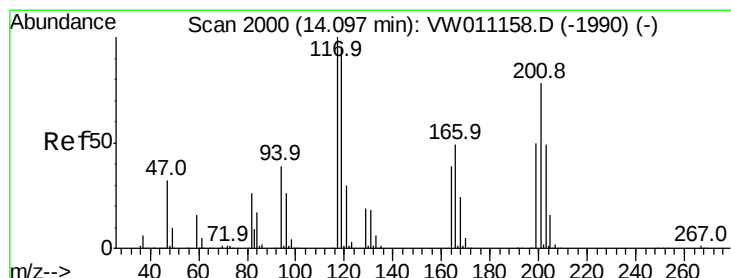
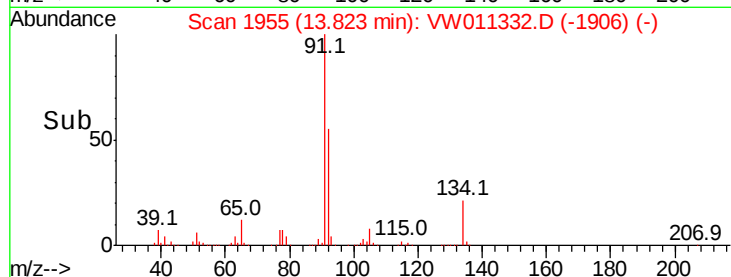
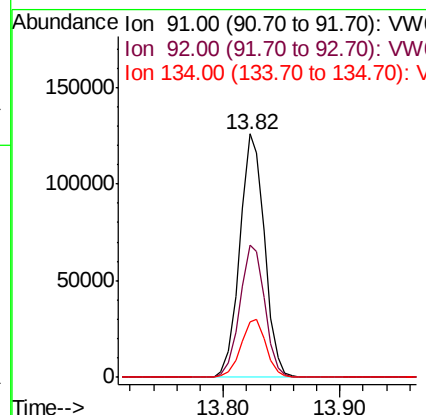
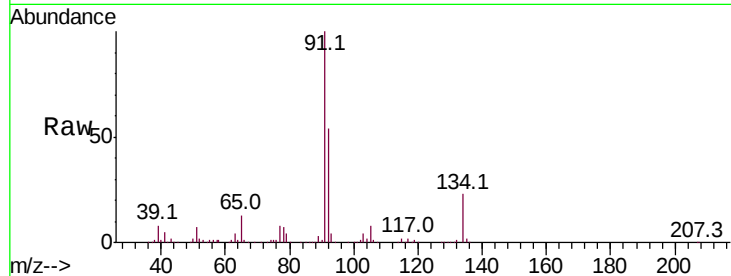
#89  
n-Butylbenzene  
Concen: 21.078 ug/l  
RT: 13.82 min Scan# 1955  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0718SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 54.8  | 26.9  | 80.7  |
| 134     | 24.1  | 12.2  | 36.4  |

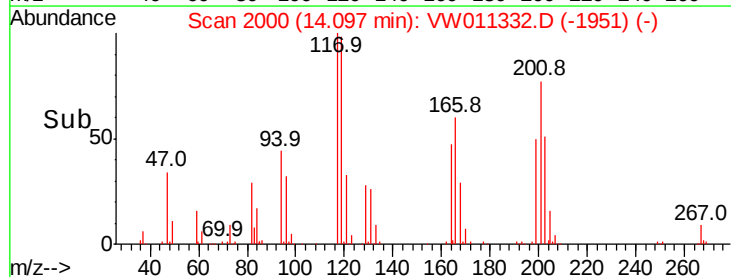
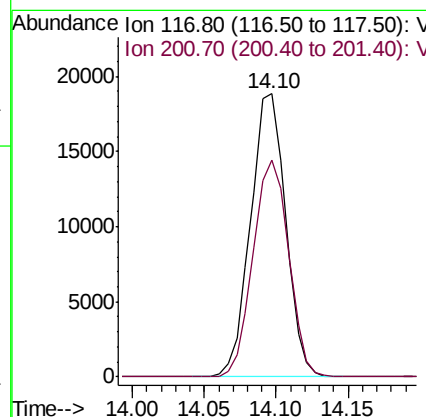
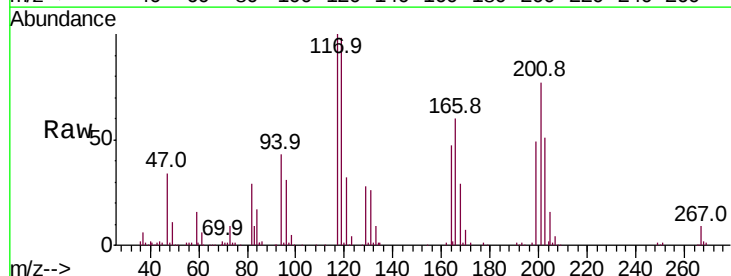
Manual Integrations  
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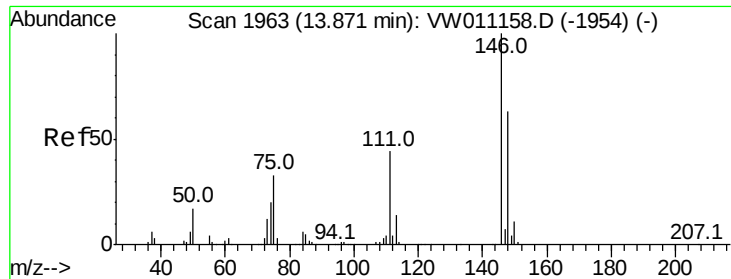
MMDadoda  
7/19/2019 9:53:54 AM



#90  
Hexachloroethane  
Concen: 19.708 ug/l  
RT: 14.10 min Scan# 2000  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 77.4  | 38.3  | 114.8 |





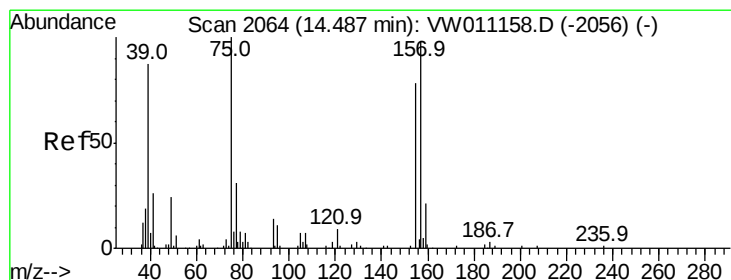
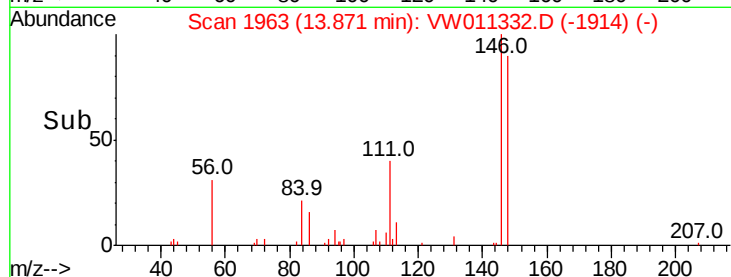
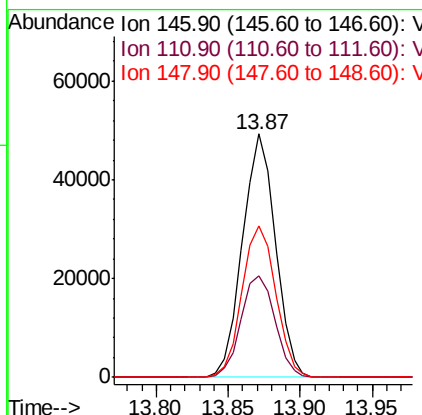
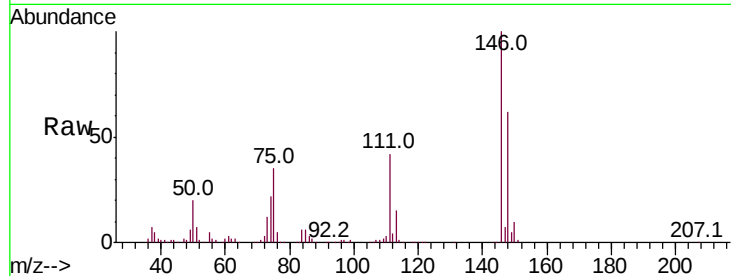
#91  
 1,2-Dichlorobenzene  
 Concen: 20.676 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. 0.00 min  
 Lab File: VW011332.D  
 Acq: 18 Jul 2019 14:09

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0718SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.3  | 21.6  | 65.0  |
| 148     | 64.1  | 31.9  | 95.5  |

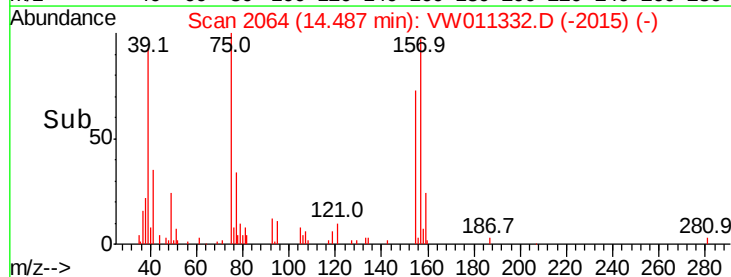
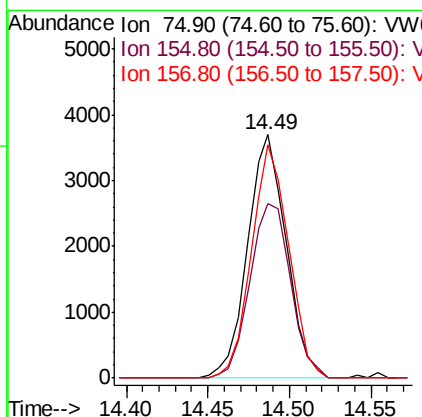
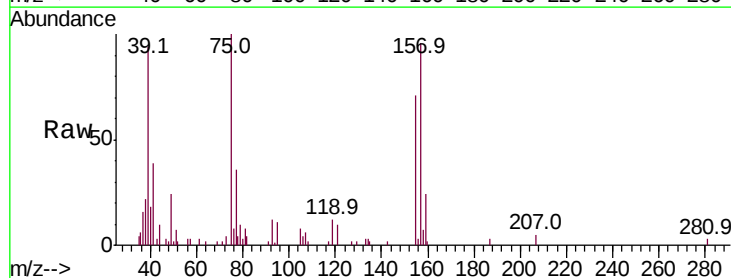
Manual Integrations  
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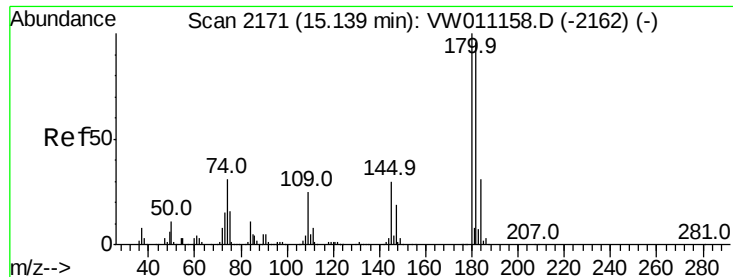
MMDadoda  
 7/19/2019 9:53:54 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 17.352 ug/l  
 RT: 14.49 min Scan# 2064  
 Delta R.T. 0.00 min  
 Lab File: VW011332.D  
 Acq: 18 Jul 2019 14:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 75.5  | 37.1  | 111.3 |
| 157     | 92.7  | 48.5  | 145.6 |





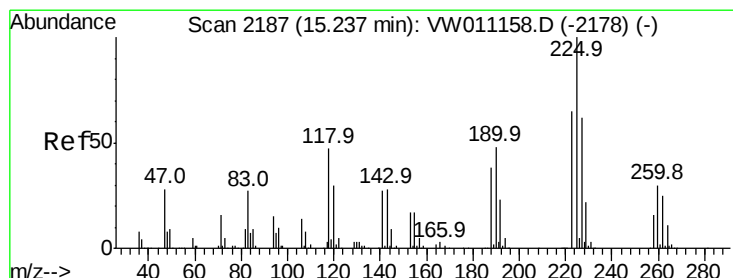
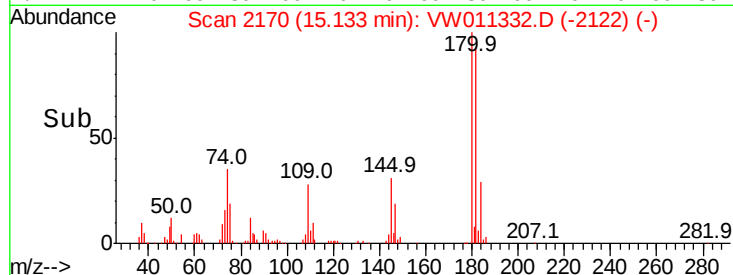
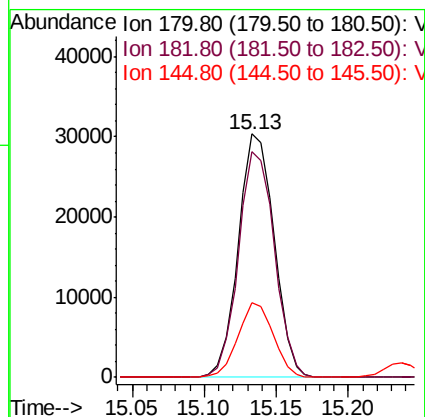
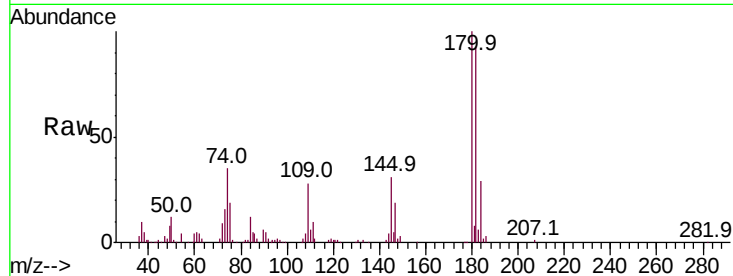
#93  
1,2,4-Trichlorobenzene  
Concen: 20.155 ug/l  
RT: 15.13 min Scan# 2170  
Delta R.T. -0.01 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0718SBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 93.3  | 48.3 | 144.9 |       |
| 145     | 29.9  | 15.5 | 46.5  |       |

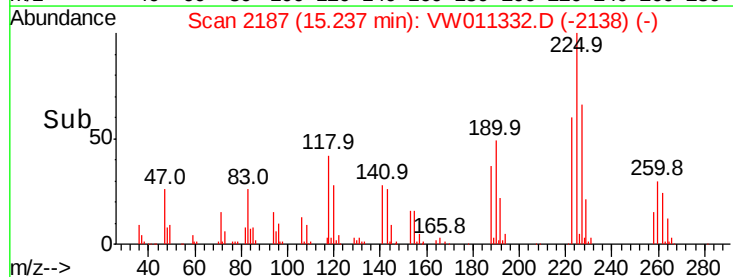
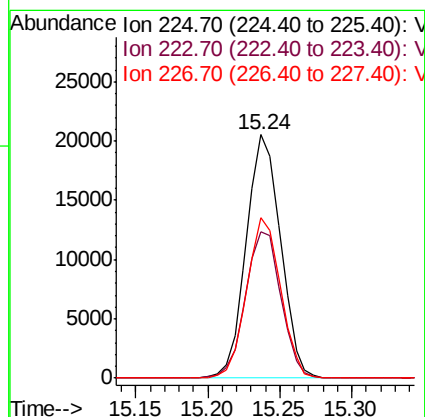
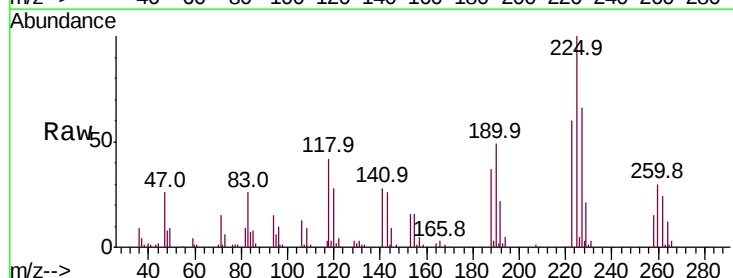
Manual Integrations  
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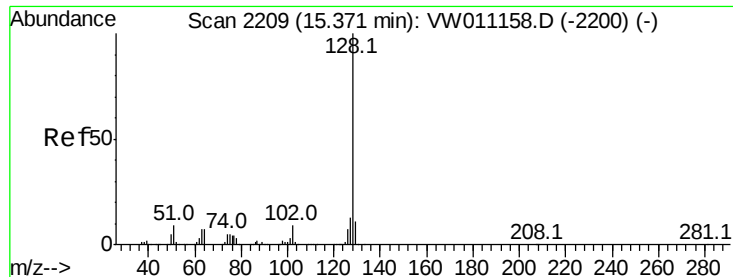
MMDadoda  
7/19/2019 9:53:54 AM



#94  
Hexachlorobutadiene  
Concen: 21.275 ug/l  
RT: 15.24 min Scan# 2187  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 62.3  | 31.6 | 95.0  |       |
| 227     | 64.6  | 32.0 | 96.0  |       |





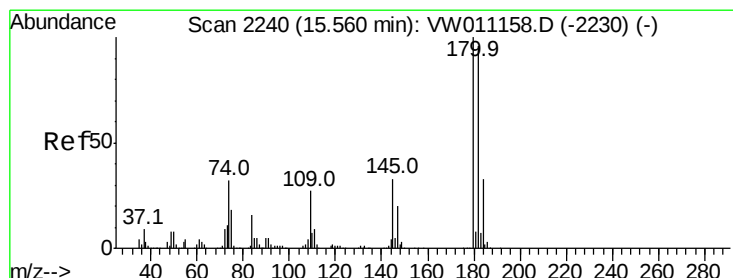
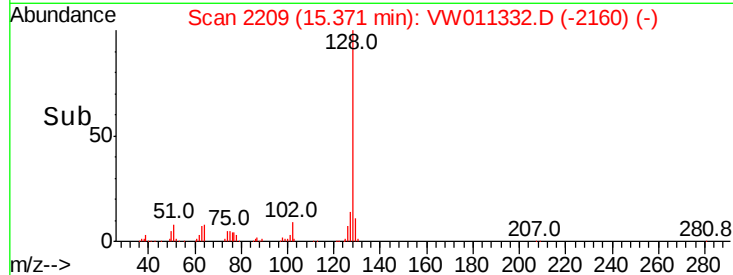
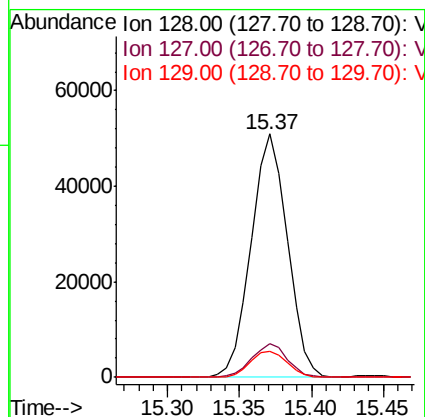
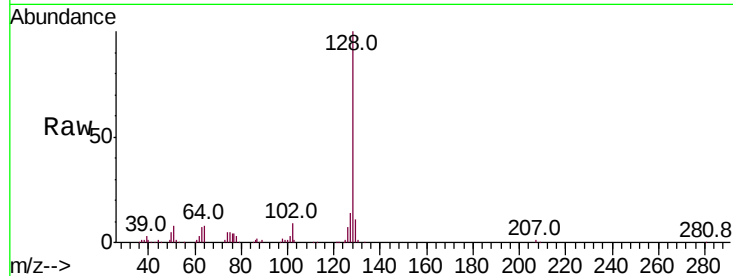
#95  
Naphthalene  
Concen: 17.810 ug/l  
RT: 15.37 min Scan# 2209  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0718SBS01

|             |       |       |
|-------------|-------|-------|
| Tot Ion:128 | Resp: | 88840 |
| Ion Ratio   | Lower | Upper |
| 128 100     |       |       |
| 127 13.4    | 10.6  | 16.0  |
| 129 11.0    | 8.7   | 13.1  |

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7/19/2019 9:53:54 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 19.572 ug/l  
RT: 15.56 min Scan# 2240  
Delta R.T. 0.00 min  
Lab File: VW011332.D  
Acq: 18 Jul 2019 14:09

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:180 | Resp: | 44964 |
| Ion Ratio   | Lower | Upper |
| 180 100     |       |       |
| 182 96.2    | 47.6  | 142.8 |
| 145 32.4    | 16.5  | 49.5  |

