

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090319\  
 Data File : VW012557.D  
 Acq On : 03 Sep 2019 19:46  
 Operator : SY/VA  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 9/4/2019 9:55:51 AM

Quant Time: Sep 04 07:09:54 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W082319S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 26 07:18:31 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 222554   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 358738   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 312377   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 157207   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 146432   | 55.35 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 110.70% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 113970   | 53.22 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.44% |          |
| 50) Toluene-d8              | 10.32 | 98   | 443750   | 51.11 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.22% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 163864   | 53.54 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 107.08% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units  | Qvalue |
|-------------------------------|------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85   | 65531    | 47.821  | ug/l   | 99     |
| 3) Chloromethane              | 2.21 | 50   | 103499   | 48.750  | ug/l   | 100    |
| 4) Vinyl Chloride             | 2.36 | 62   | 113100   | 43.524  | ug/l   | 99     |
| 5) Bromomethane               | 2.76 | 94   | 60235    | 45.771  | ug/l   | 94     |
| 6) Chloroethane               | 2.90 | 64   | 66979    | 45.692  | ug/l   | 95     |
| 7) Trichlorofluoromethane     | 3.25 | 101  | 71798    | 55.026  | ug/l   | 100    |
| 8) Diethyl Ether              | 3.68 | 74   | 69247    | 55.912  | ug/l   | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101  | 113974   | 51.388  | ug/l   | 97     |
| 10) Methyl Iodide             | 4.26 | 142  | 159800   | 53.251  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 5.19 | 59   | 47778    | 300.090 | ug/l # | 83     |
| 12) 1,1-Dichloroethene        | 4.04 | 96   | 114321   | 51.212  | ug/l   | 99     |
| 13) Acrolein                  | 3.89 | 56   | 54642    | 364.596 | ug/l   | 98     |
| 14) Allyl chloride            | 4.66 | 41   | 247511   | 51.863  | ug/l   | 98     |
| 15) Acrylonitrile             | 5.37 | 53   | 179320   | 292.109 | ug/l   | 99     |
| 16) Acetone                   | 4.13 | 43   | 164527   | 243.284 | ug/l   | 98     |
| 17) Carbon Disulfide          | 4.38 | 76   | 308300   | 45.698  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.67 | 43   | 103220   | 61.623  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 5.42 | 73   | 219845   | 60.899  | ug/l   | 98     |
| 20) Methylene Chloride        | 4.91 | 84   | 133261   | 52.124  | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96   | 126415   | 52.809  | ug/l   | 98     |
| 22) Diisopropyl ether         | 6.31 | 45   | 497036   | 56.187  | ug/l   | 99     |
| 23) Vinyl Acetate             | 6.25 | 43   | 1557896  | 286.168 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 6.21 | 63   | 262537   | 54.508  | ug/l   | 99     |
| 25) 2-Butanone                | 7.17 | 43   | 252015   | 274.233 | ug/l   | 97     |
| 26) 2,2-Dichloropropane       | 7.17 | 77   | 142321   | 52.205  | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96   | 143332   | 56.042  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.51 | 49   | 111231   | 52.985  | ug/l # | 96     |
| 29) Tetrahydrofuran           | 7.52 | 42   | 163800   | 297.089 | ug/l   | 99     |
| 30) Chloroform                | 7.67 | 83   | 251573   | 57.090  | ug/l   | 100    |
| 31) Cyclohexane               | 7.95 | 56   | 222393   | 46.669  | ug/l   | 99     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97   | 192034   | 55.088  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 8.08 | 75   | 192870   | 52.027  | ug/l   | 99     |
| 37) Ethyl Acetate             | 7.25 | 43   | 116746   | 57.469  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 8.07 | 117  | 175917   | 54.826  | ug/l   | 99     |

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 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 9/4/2019 9:55:51 AM

Quant Time: Sep 04 07:09:54 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W082319S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 26 07:18:31 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 210259   | 50.486   | ug/l   | 96       |
| 40) Benzene                    | 8.32  | 78   | 543925   | 53.734   | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.48  | 41   | 70056    | 58.675   | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 186843   | 58.894   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.42  | 43   | 217793   | 57.879   | ug/l   | 100      |
| 44) Trichloroethene            | 9.09  | 130  | 133101   | 54.089   | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 146479   | 53.768   | ug/l   | 98       |
| 46) Dibromomethane             | 9.46  | 93   | 69046    | 56.963   | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.64  | 83   | 183958   | 57.024   | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.43  | 41   | 104551   | 58.377   | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.46  | 88   | 21259    | 1145.655 | ug/l # | 78       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 569725   | 297.673  | ug/l   | 99       |
| 52) Toluene                    | 10.38 | 92   | 332743   | 54.717   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 190118   | 57.856   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 219892   | 55.420   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 98911    | 57.674   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 149449   | 59.875   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 187061   | 57.719   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 376204   | 293.677  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.97 | 43   | 385572   | 284.718  | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.13 | 129  | 113140   | 59.229   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.23 | 107  | 92544    | 57.922   | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.86 | 164  | 112436   | 55.518   | ug/l   | 99       |
| 65) Chlorobenzene              | 11.65 | 112  | 337224   | 54.824   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 125215   | 58.353   | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.73 | 91   | 654101   | 55.204   | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.83 | 106  | 471215   | 110.405  | ug/l   | 100      |
| 69) o-Xylene                   | 12.16 | 106  | 222734   | 56.385   | ug/l   | 99       |
| 70) Styrene                    | 12.18 | 104  | 389522   | 56.969   | ug/l   | 99       |
| 71) Bromoform                  | 12.35 | 173  | 63999    | 59.862   | ug/l   | 99       |
| 73) Isopropylbenzene           | 12.46 | 105  | 623699   | 52.947   | ug/l   | 99       |
| 74) N-amyl acetate             | 12.27 | 43   | 196808   | 55.299   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 116861   | 54.113   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 79020m   | 51.610   | ug/l   |          |
| 77) Bromobenzene               | 12.74 | 156  | 139944   | 54.914   | ug/l   | 97       |
| 78) n-propylbenzene            | 12.80 | 91   | 754187   | 52.445   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 431367   | 52.834   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 530651   | 53.911   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 38151    | 54.633   | ug/l   | 100      |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 456868   | 53.442   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 450055   | 53.977   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 529553   | 53.557   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.38 | 105  | 627854   | 52.559   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 572564   | 53.671   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 268183   | 53.802   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 266462   | 53.838   | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.82 | 91   | 557430   | 52.544   | ug/l   | 99       |
| 90) Hexachloroethane           | 14.09 | 117  | 99307    | 53.058   | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 239593   | 54.792   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.48 | 75   | 20805    | 57.146   | ug/l   | 98       |

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Operator : SY/VA  
Sample : VSTDCCC050  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
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Quant Time: Sep 04 07:09:54 2019  
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Quant Title : SW846 8260  
QLast Update : Mon Aug 26 07:18:31 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.13 | 180  | 174354   | 57.697 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 113919   | 57.092 | ug/l  | 96       |
| 95) Naphthalene            | 15.36 | 128  | 319306   | 53.515 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.55 | 180  | 151669   | 57.526 | 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: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 222554

Ion Ratio Lower Upper

168 100

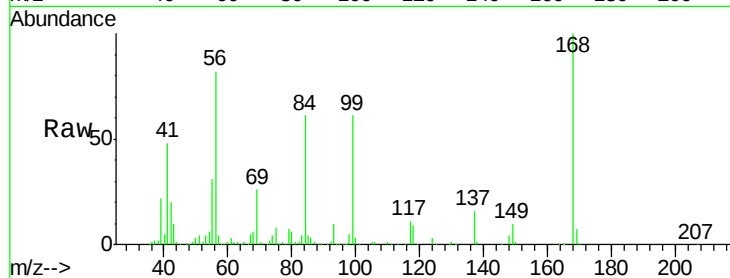
99 61.4 49.2 73.8

Manual Integrations

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9/4/2019 9:55:51 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

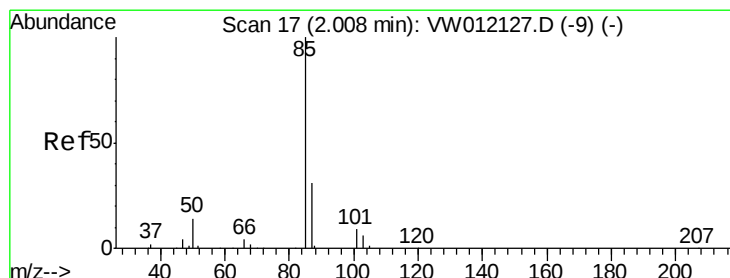
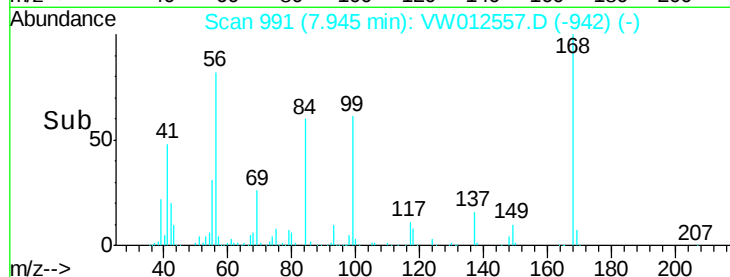
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 47.821 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012557.D

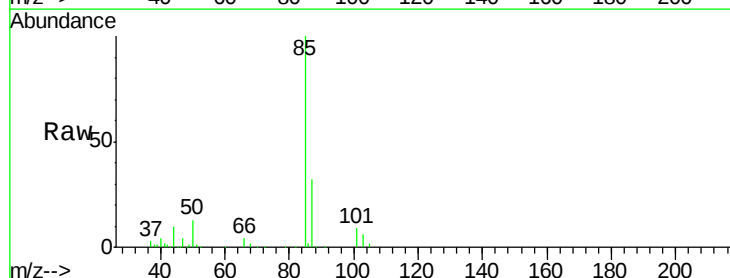
Acq: 03 Sep 2019 19:46

Tgt Ion: 85 Resp: 65531

Ion Ratio Lower Upper

85 100

87 31.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

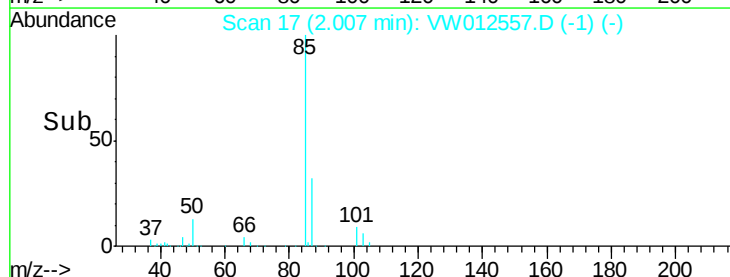
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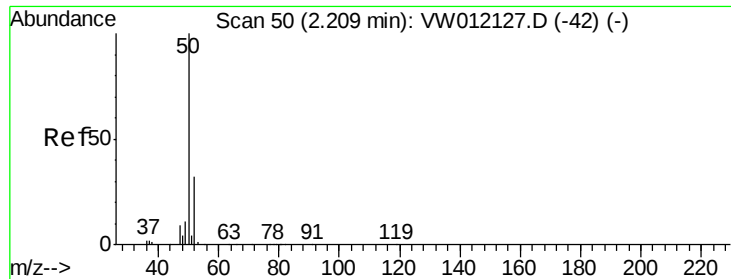
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 48.750 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 103499

Ion Ratio Lower Upper

50 100

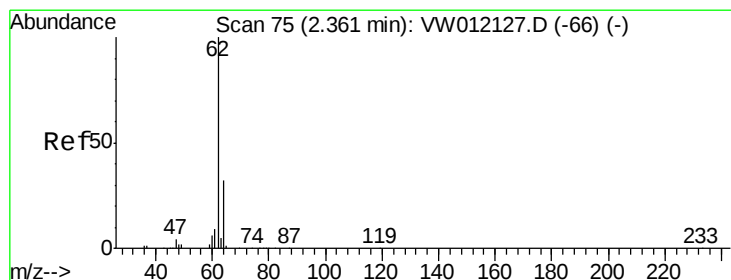
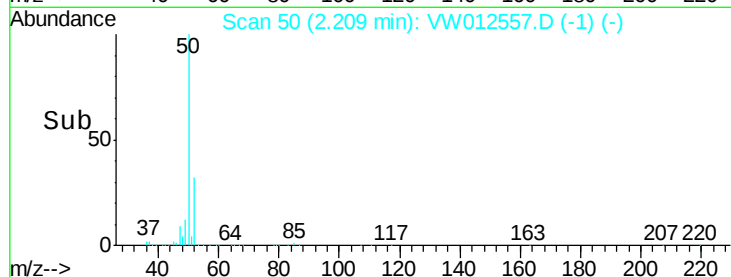
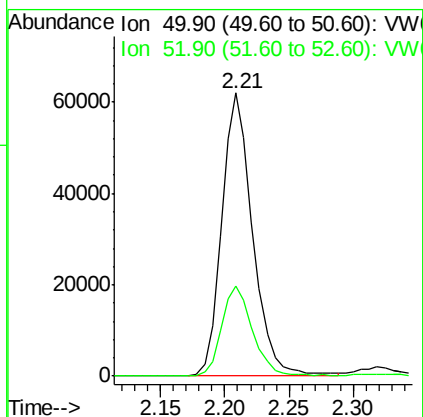
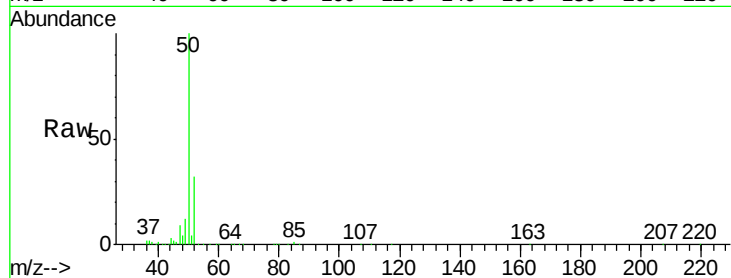
52 31.9 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

9/4/2019 9:55:51 AM



#4

Vinyl Chloride

Concen: 43.524 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012557.D

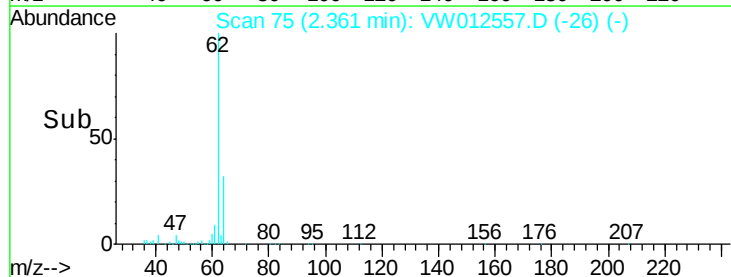
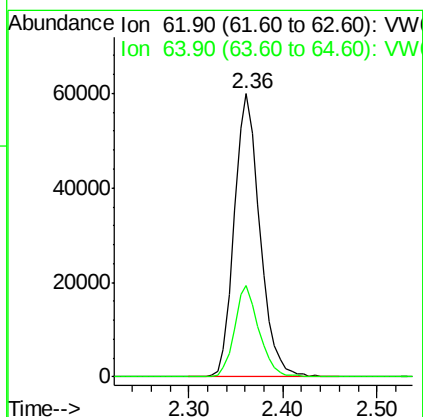
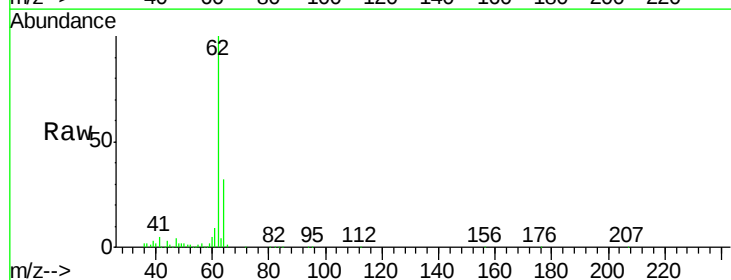
Acq: 03 Sep 2019 19:46

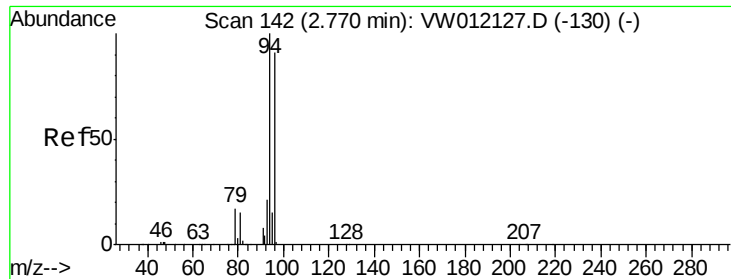
Tgt Ion: 62 Resp: 113100

Ion Ratio Lower Upper

62 100

64 32.2 25.3 37.9





#5

Bromomethane

Concen: 45.771 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 60235

Ion Ratio Lower Upper

94 100

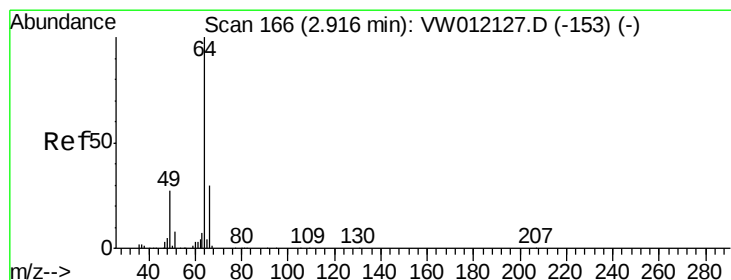
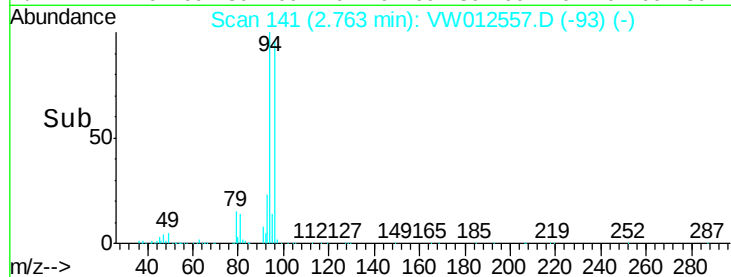
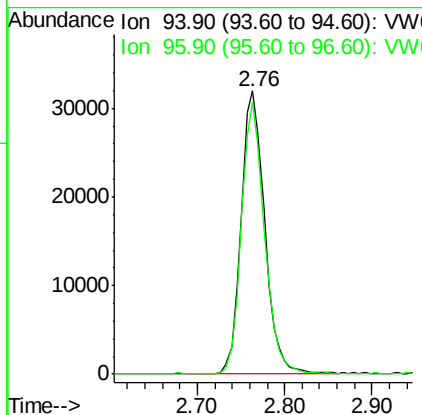
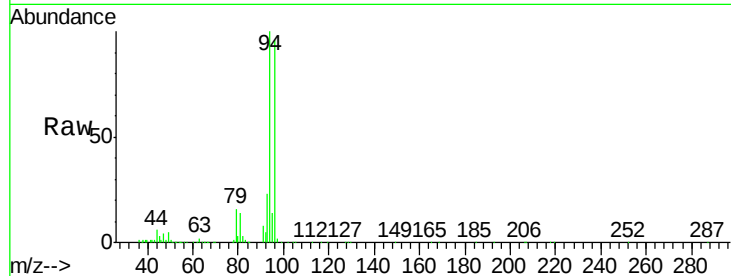
96 96.3 72.9 109.3

Manual Integrations

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9/4/2019 9:55:51 AM



#6

Chloroethane

Concen: 45.692 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW012557.D

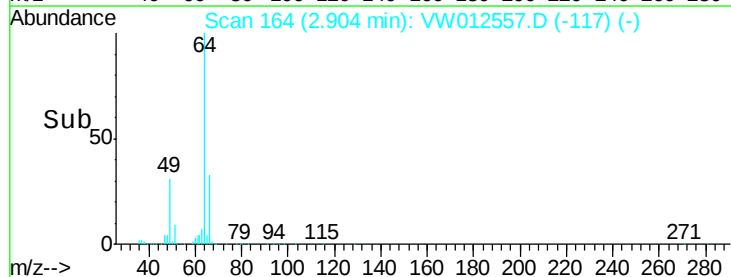
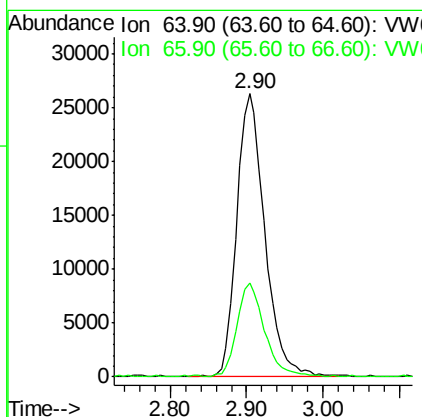
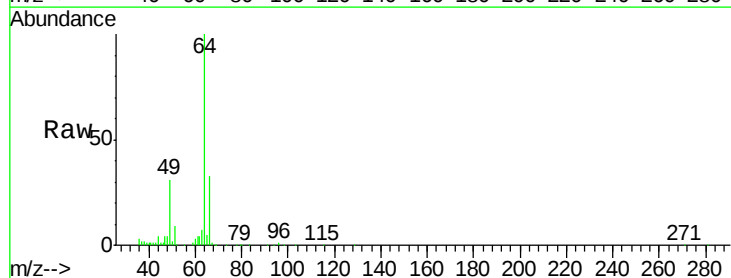
Acq: 03 Sep 2019 19:46

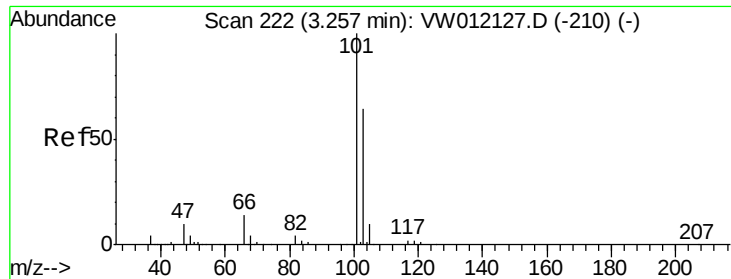
Tgt Ion: 64 Resp: 66979

Ion Ratio Lower Upper

64 100

66 32.8 23.8 35.8





#7

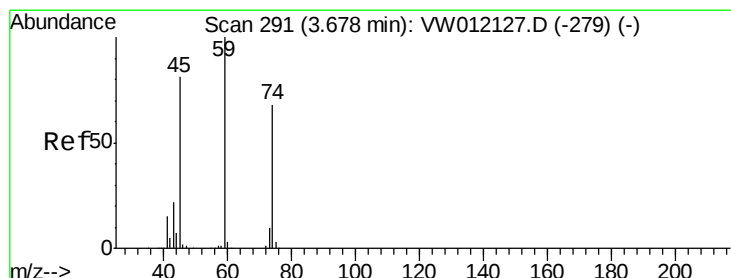
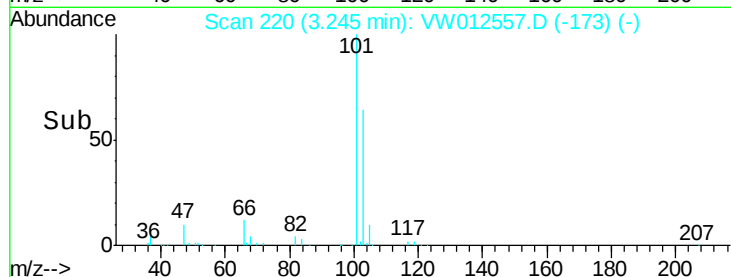
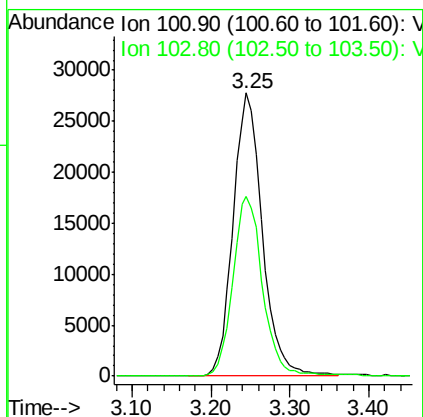
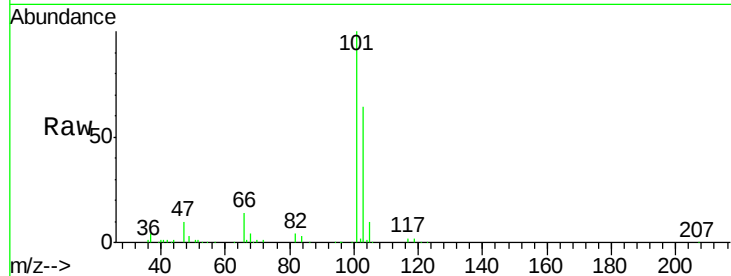
Trichlorofluoromethane  
 Concen: 55.026 ug/l  
 RT: 3.25 min Scan# 220  
 Delta R.T. -0.01 min  
 Lab File: VW012557.D  
 Acq: 03 Sep 2019 19:46

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 63.6  | 51.2  | 76.8  |

Manual Integrations  
 APPROVED

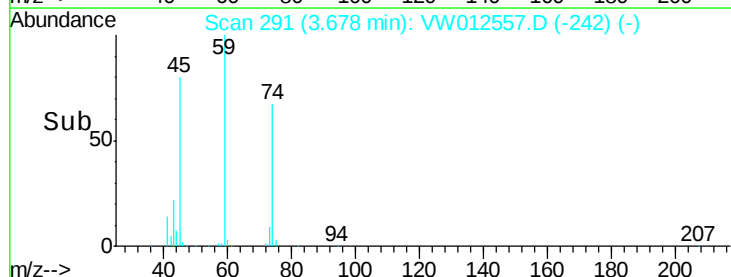
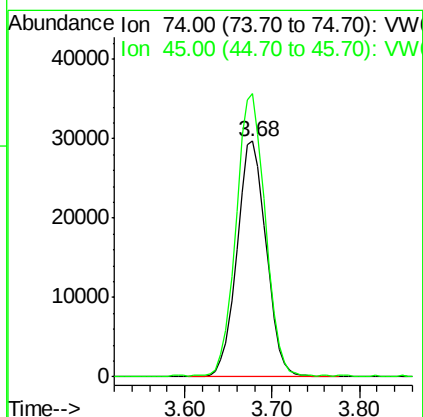
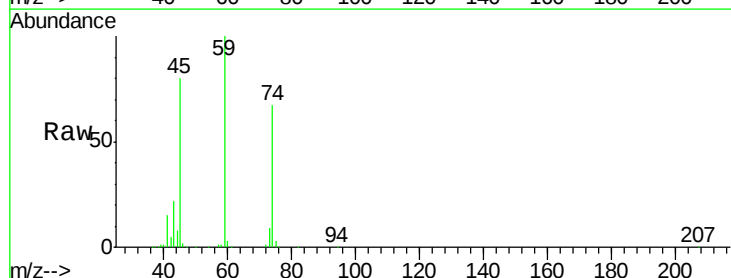
MMDadoda  
 9/4/2019 9:55:51 AM

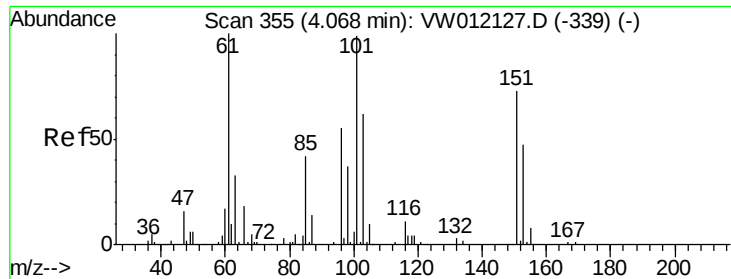


#8

Diethyl Ether  
 Concen: 55.912 ug/l  
 RT: 3.68 min Scan# 291  
 Delta R.T. -0.00 min  
 Lab File: VW012557.D  
 Acq: 03 Sep 2019 19:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 118.8 | 59.2  | 177.6 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.388 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA\_W

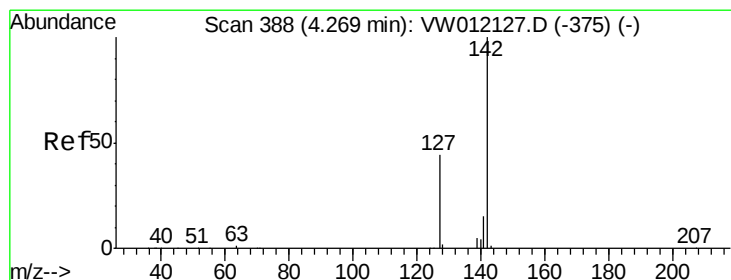
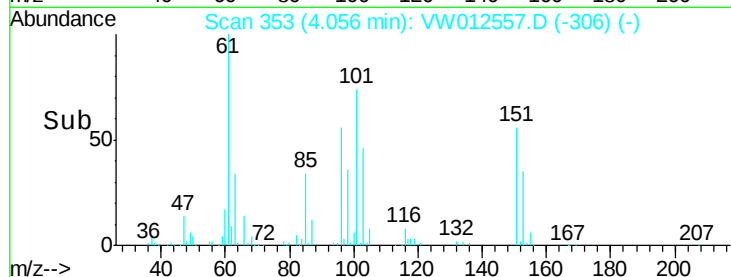
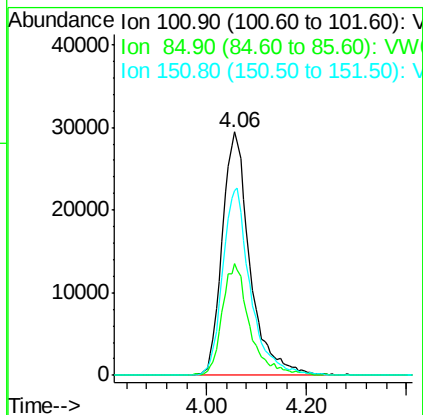
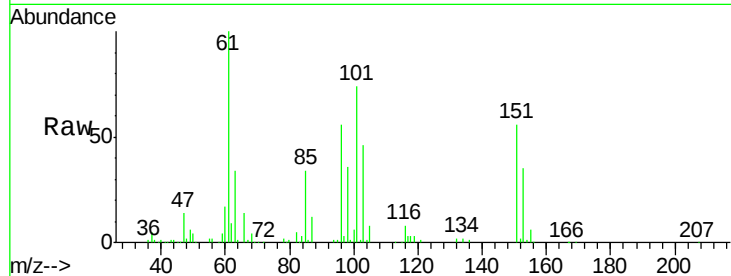
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 113974 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 45.3  | 35.8  | 53.6   |
| 151       | 76.6  | 58.6  | 87.8   |

Manual Integrations  
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9/4/2019 9:55:51 AM



#10

Methyl Iodide

Concen: 53.251 ug/l

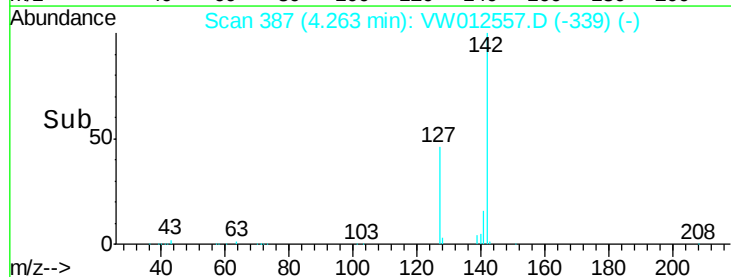
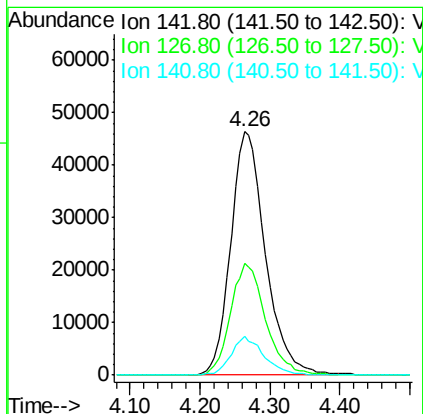
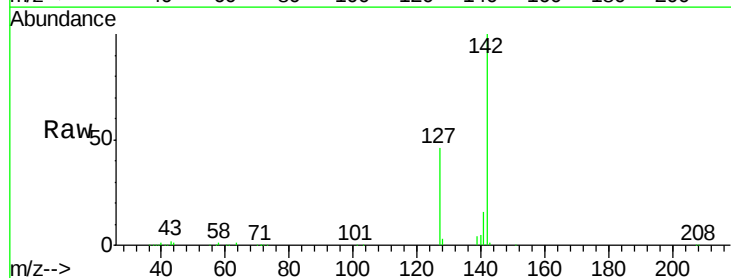
RT: 4.26 min Scan# 387

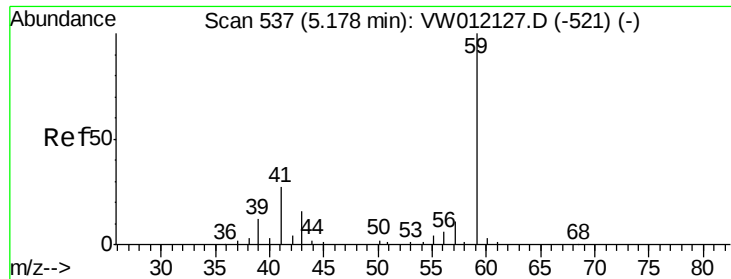
Delta R.T. -0.01 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 159800 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 46.2  | 35.5  | 53.3   |
| 141       | 15.1  | 11.8  | 17.8   |





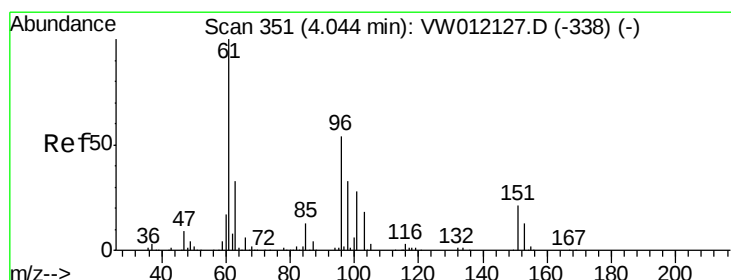
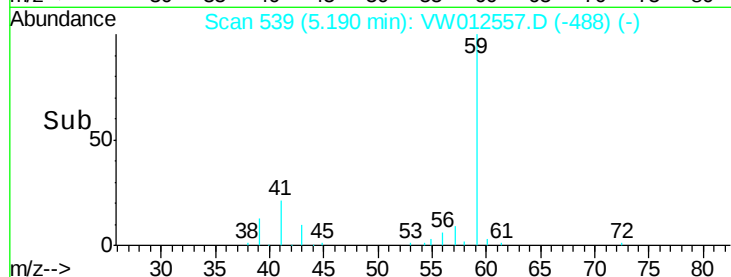
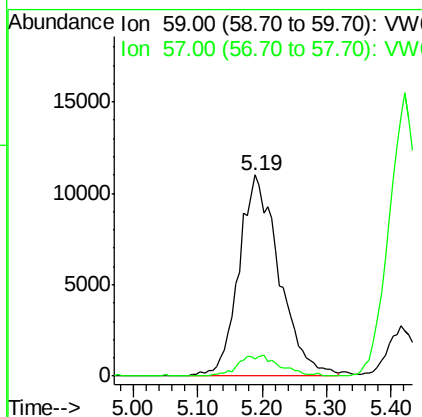
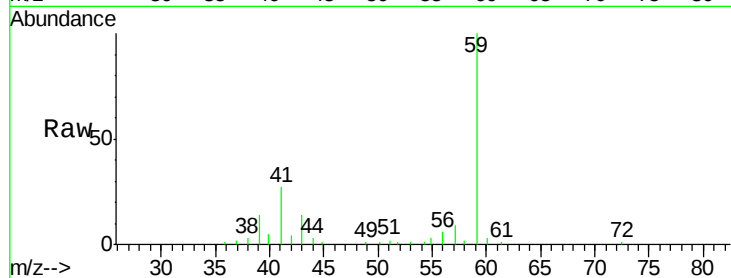
#11  
Tert butyl alcohol  
Concen: 300.090 ug/l  
RT: 5.19 min Scan# 539  
Delta R.T. 0.01 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 4.9   | 9.0   | 13.4# |

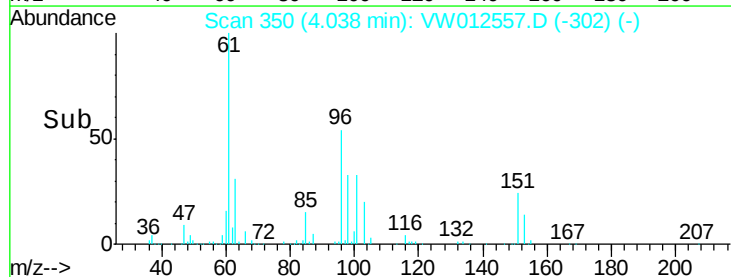
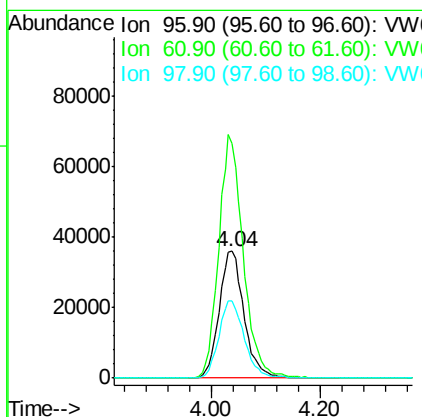
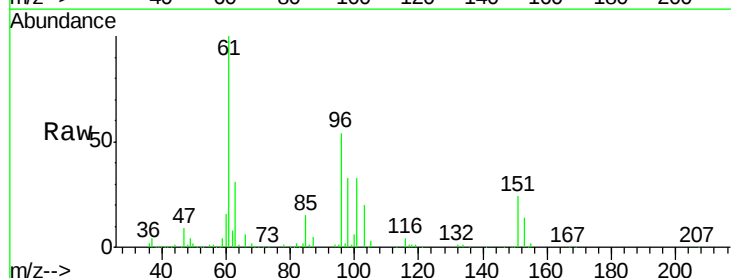
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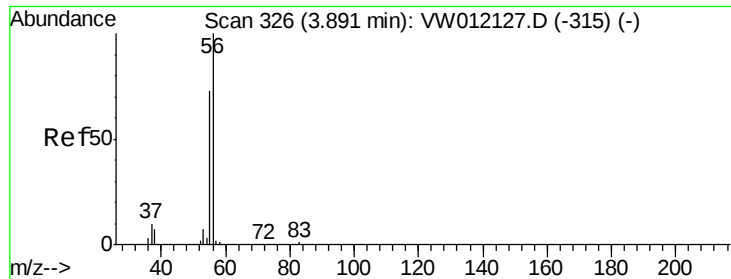
MMDadoda  
9/4/2019 9:55:51 AM



#12  
1,1-Dichloroethene  
Concen: 51.212 ug/l  
RT: 4.04 min Scan# 350  
Delta R.T. -0.01 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 185.1 | 149.1 | 223.7 |
| 98      | 60.7  | 49.4  | 74.2  |





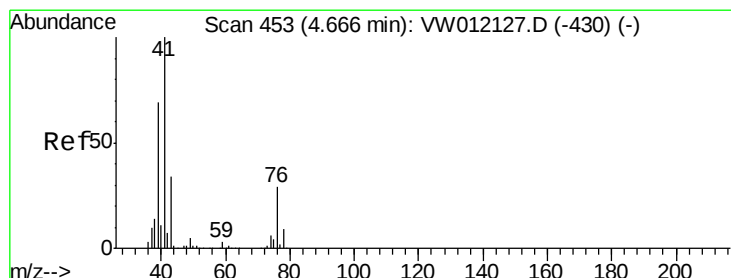
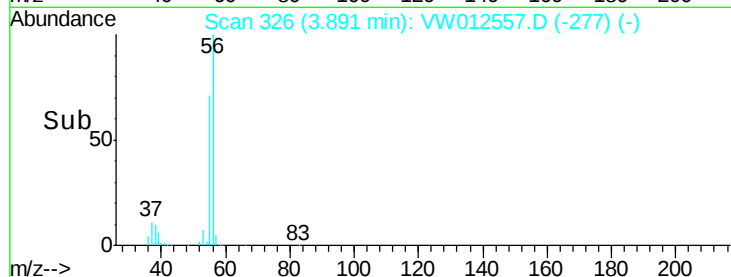
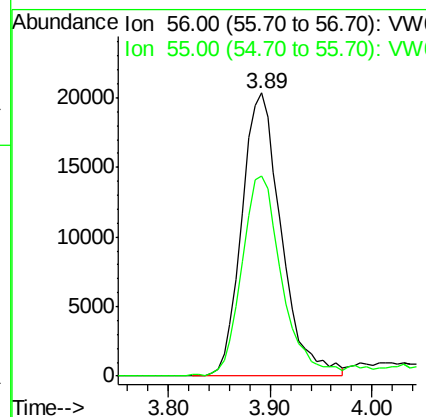
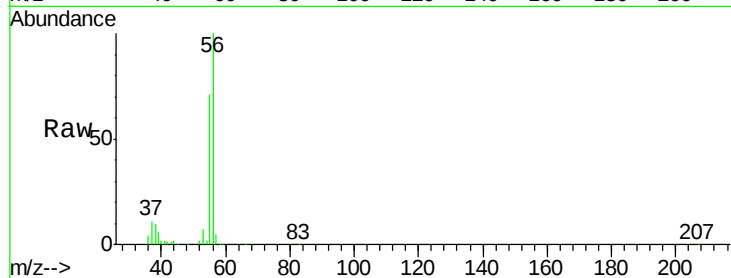
#13  
 Acrolein  
 Concen: 364.596 ug/l  
 RT: 3.89 min Scan# 326  
 Delta R.T. -0.00 min  
 Lab File: VW012557.D  
 Acq: 03 Sep 2019 19:46

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 71.7  | 55.8  | 83.8  |

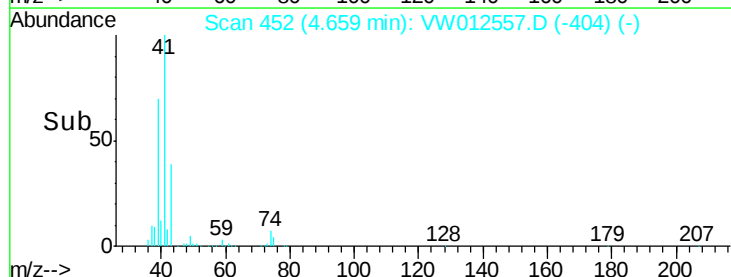
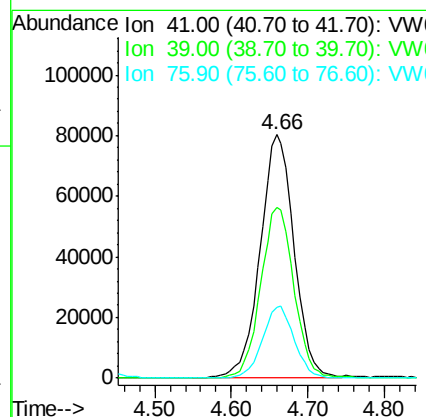
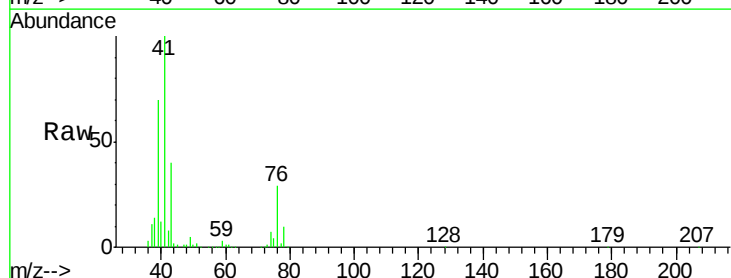
Manual Integrations  
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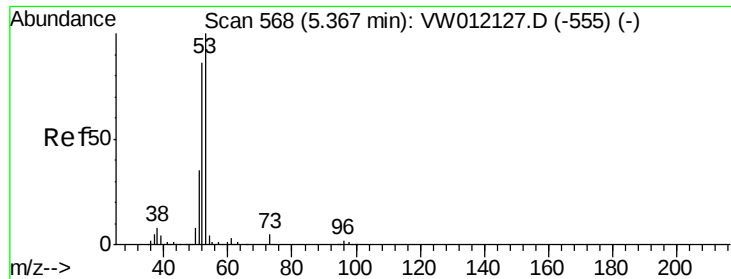
MMDadoda  
 9/4/2019 9:55:51 AM



#14  
 Allyl chloride  
 Concen: 51.863 ug/l  
 RT: 4.66 min Scan# 452  
 Delta R.T. -0.01 min  
 Lab File: VW012557.D  
 Acq: 03 Sep 2019 19:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 68.8  | 53.4  | 80.2  |
| 76      | 27.8  | 22.1  | 33.1  |





#15

Acrylonitrile

Concen: 292.109 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA\_W

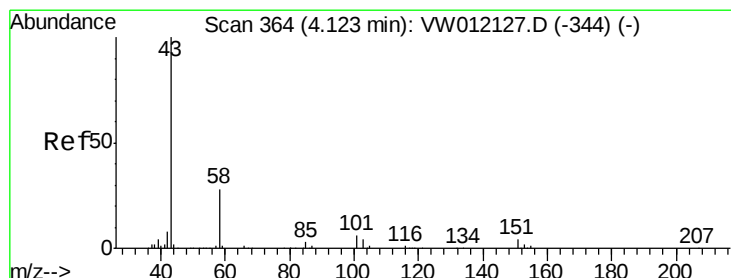
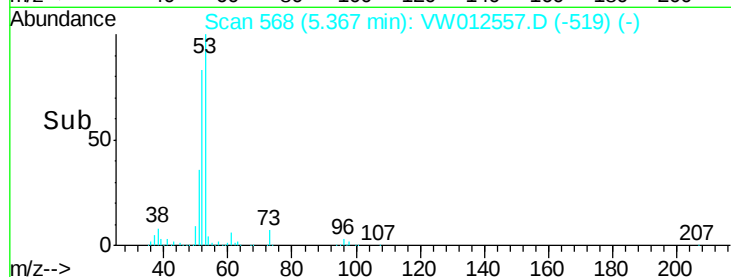
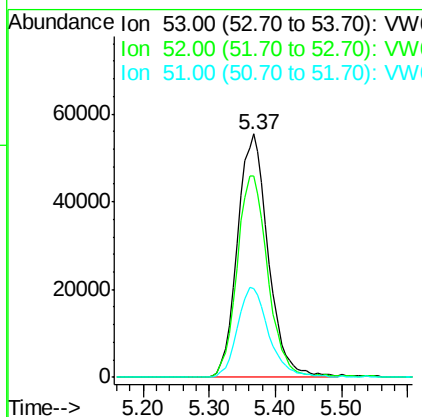
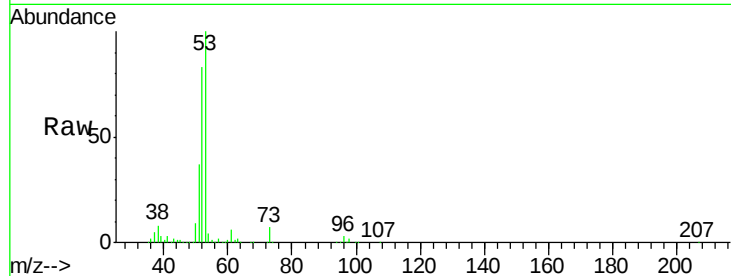
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 179320 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.1  | 66.7  | 100.1  |
| 51        | 37.7  | 30.1  | 45.1   |

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#16

Acetone

Concen: 243.284 ug/l

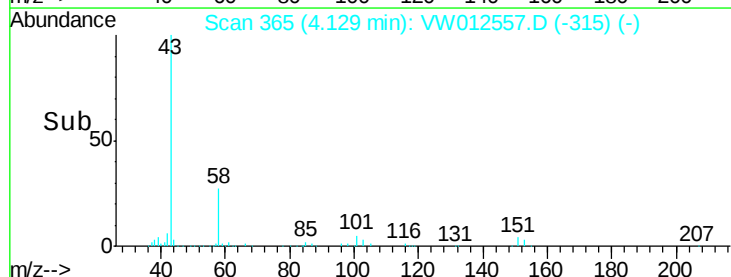
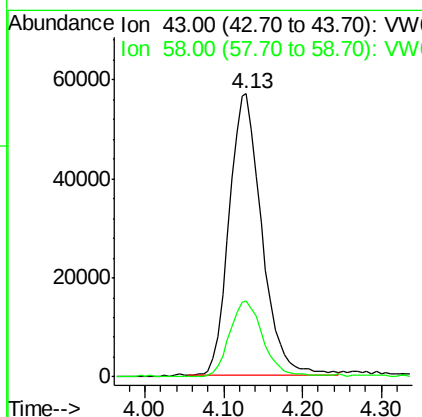
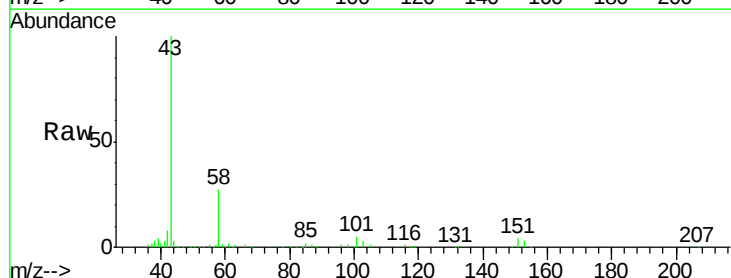
RT: 4.13 min Scan# 365

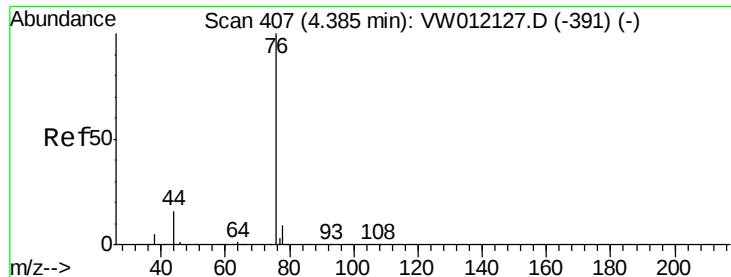
Delta R.T. 0.01 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 164527 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 26.7  | 22.4  | 33.6   |





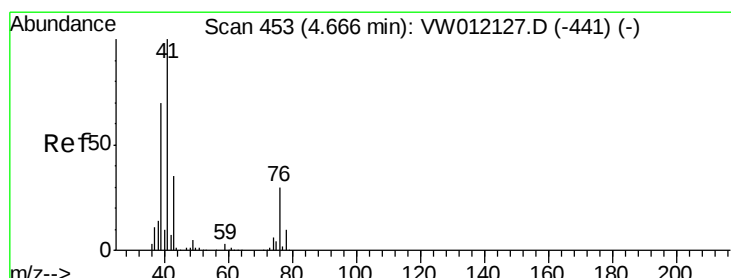
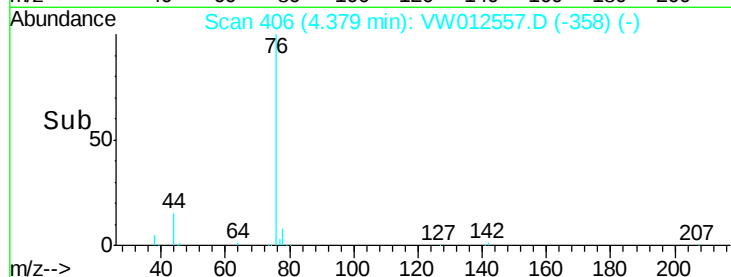
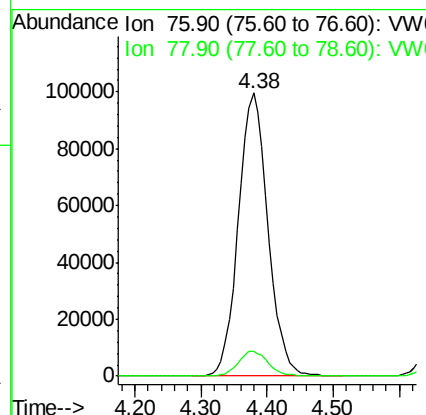
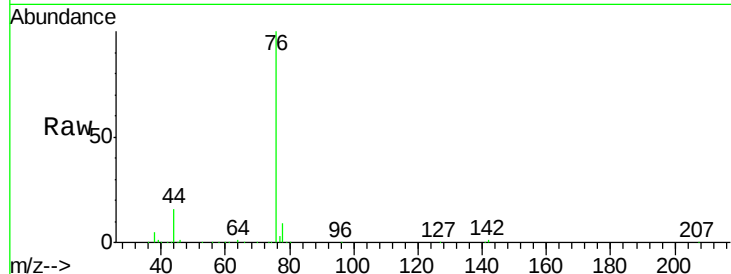
#17  
Carbon Disulfide  
Concen: 45.698 ug/l  
RT: 4.38 min Scan# 406  
Delta R.T. -0.01 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.9   | 7.3   | 10.9  |

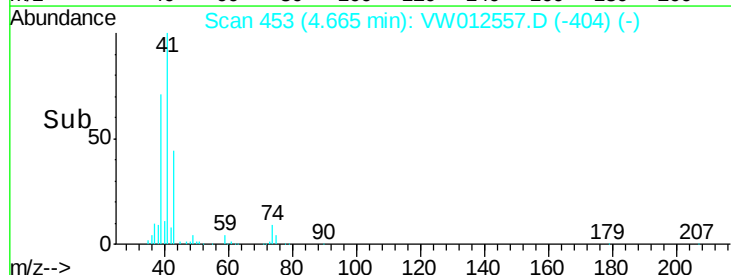
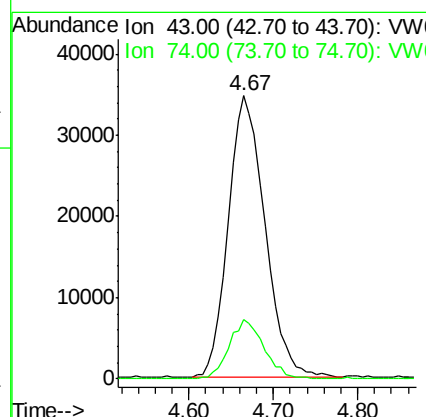
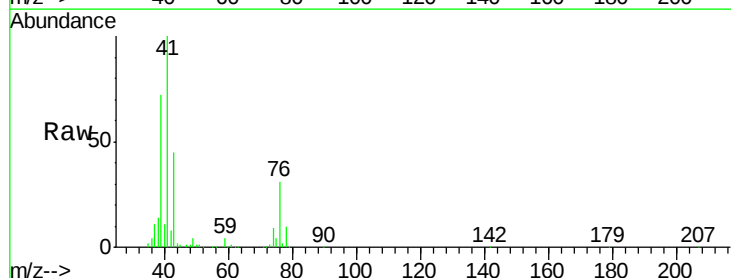
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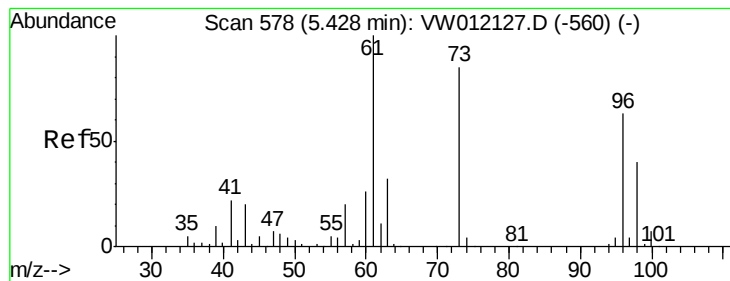
MMDadoda  
9/4/2019 9:55:51 AM



#18  
Methyl Acetate  
Concen: 61.623 ug/l  
RT: 4.67 min Scan# 453  
Delta R.T. -0.00 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 19.9  | 15.7  | 23.5  |





#19

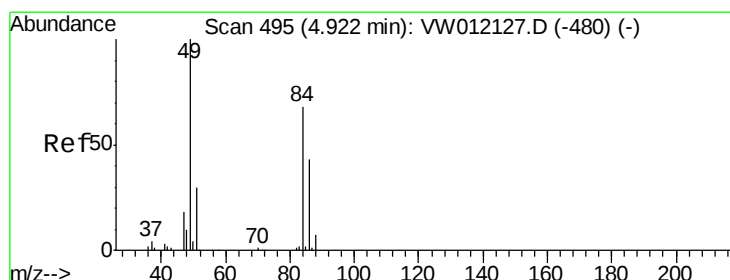
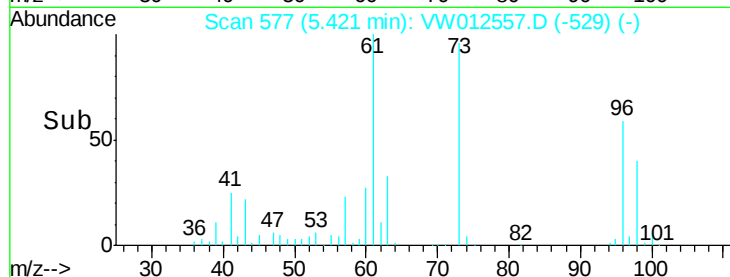
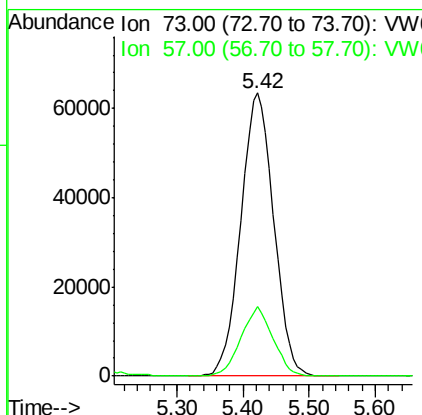
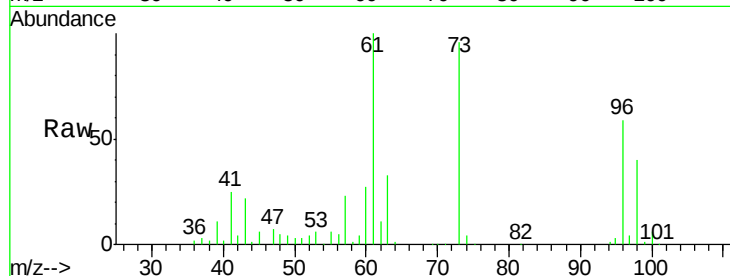
Methyl tert-butyl Ether  
 Concen: 60.899 ug/l  
 RT: 5.42 min Scan# 577  
 Delta R.T. -0.01 min  
 Lab File: VW012557.D  
 Acq: 03 Sep 2019 19:46

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 24.4  | 18.9  | 28.3  |

Manual Integrations  
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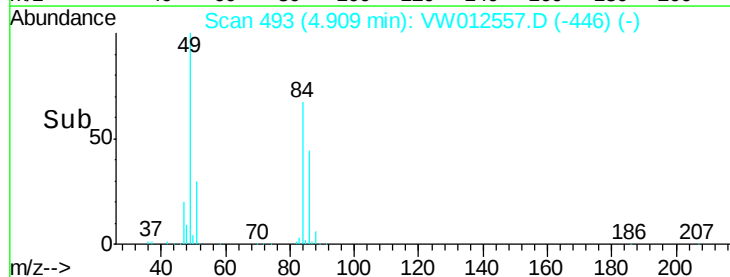
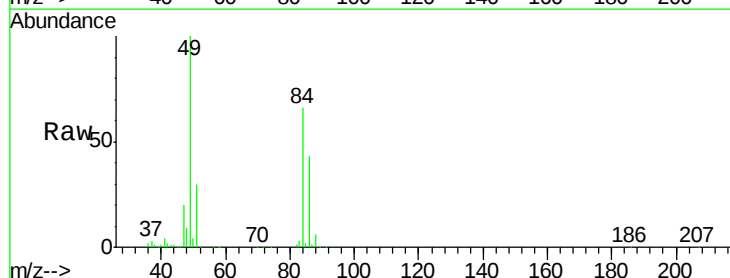
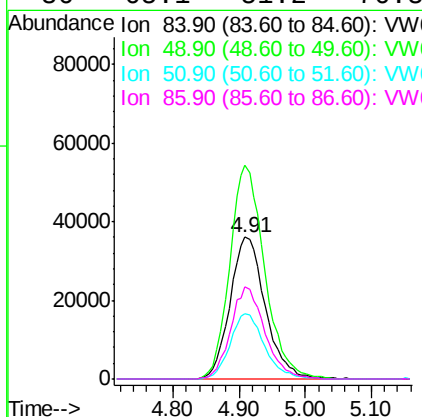
MMDadoda  
 9/4/2019 9:55:51 AM

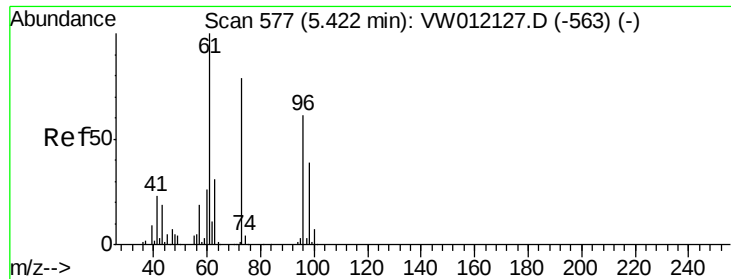


#20

Methylene Chloride  
 Concen: 52.124 ug/l  
 RT: 4.91 min Scan# 493  
 Delta R.T. -0.01 min  
 Lab File: VW012557.D  
 Acq: 03 Sep 2019 19:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 150.5 | 117.8 | 176.8 |
| 51      | 45.7  | 35.6  | 53.4  |
| 86      | 65.1  | 51.2  | 76.8  |





#21

trans-1,2-Dichloroethene

Concen: 52.809 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA\_W

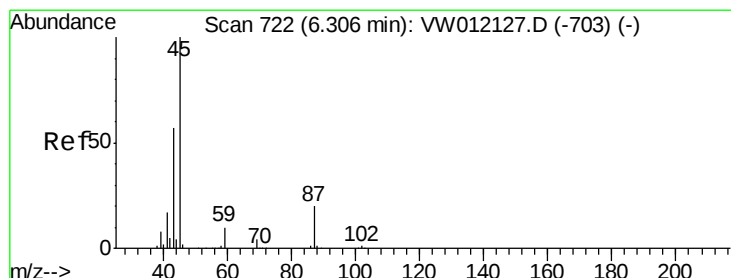
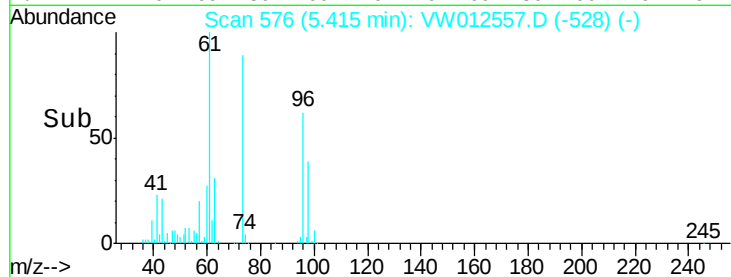
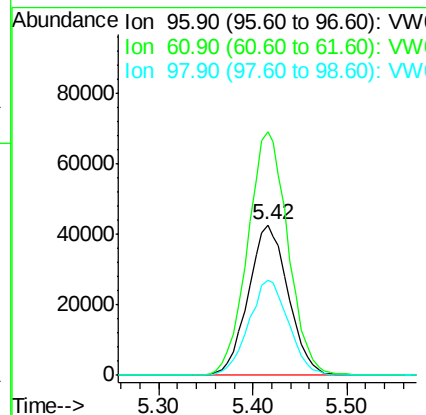
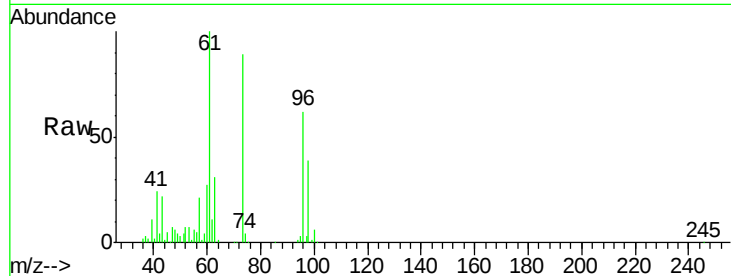
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 126415 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 161.4 | 131.4 | 197.0  |
| 98       | 63.1  | 51.4  | 77.0   |

Manual Integrations  
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MMDadoda  
9/4/2019 9:55:51 AM



#22

Diisopropyl ether

Concen: 56.187 ug/l

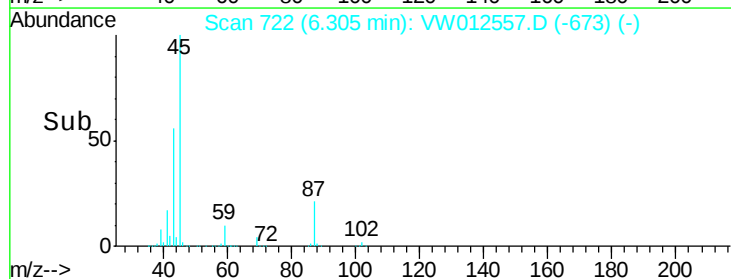
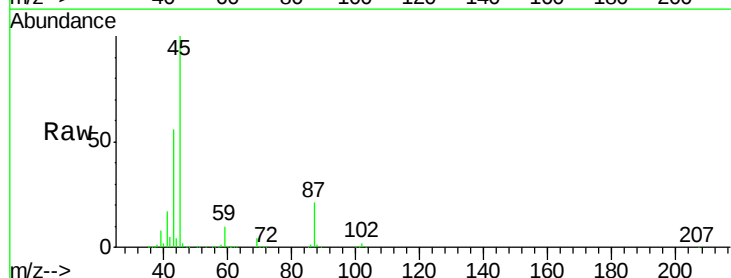
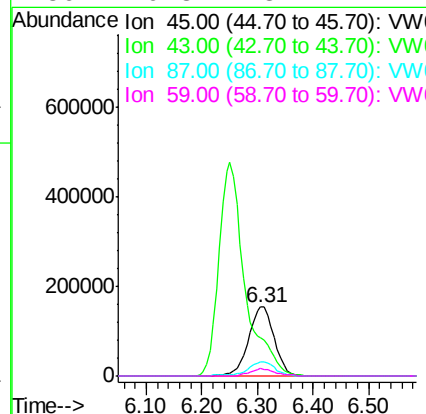
RT: 6.31 min Scan# 722

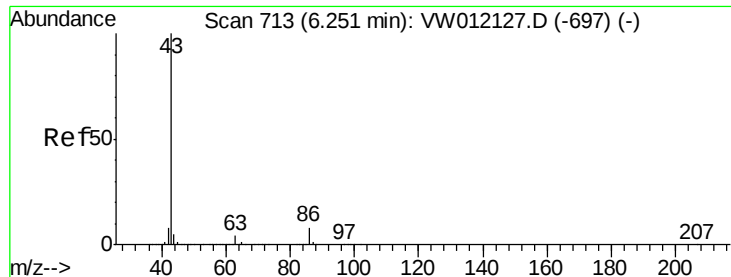
Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 497036 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 56.3  | 45.5  | 68.3   |
| 87       | 20.8  | 16.1  | 24.1   |
| 59       | 10.3  | 8.2   | 12.2   |





#23

Vinyl Acetate

Concen: 286.168 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Tot Ion: 43 Resp: 1557896

Ion Ratio Lower Upper

43 100

86 8.2 6.5 9.7

Instrument :

MSVOA\_W

ClientSampleId :

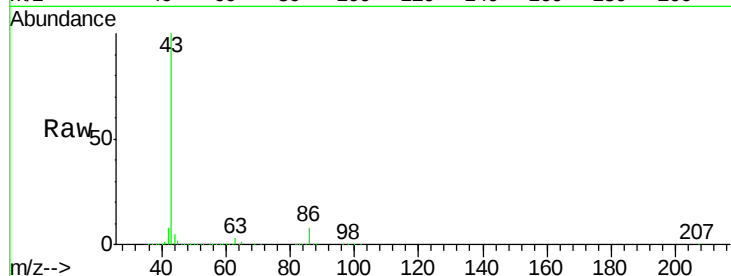
VSTDCCC050EC

Manual Integrations

APPROVED

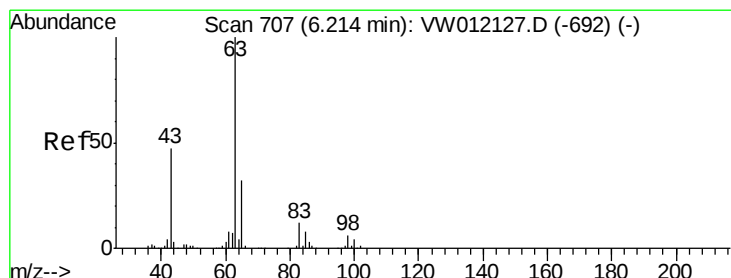
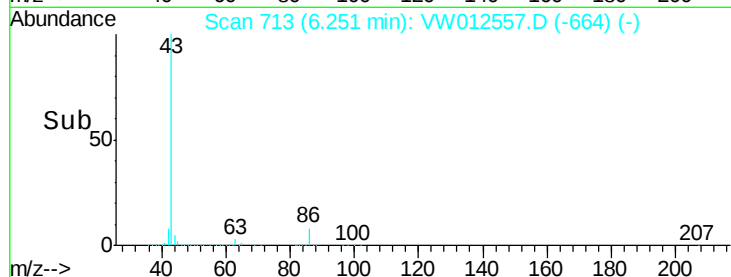
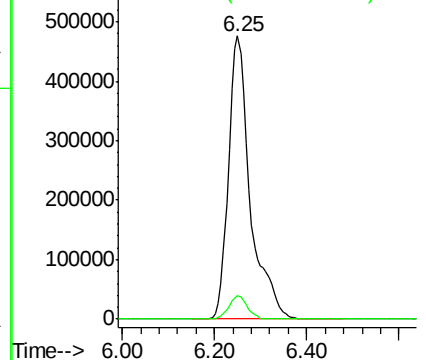
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 54.508 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

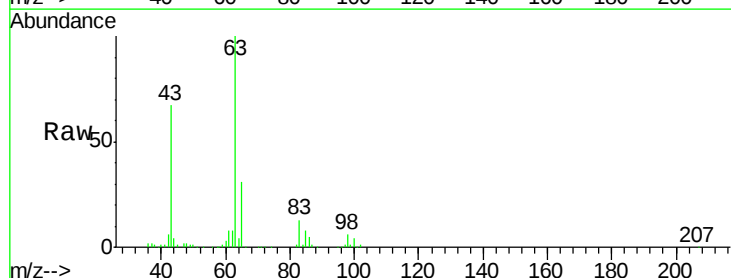
Tgt Ion: 63 Resp: 262537

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

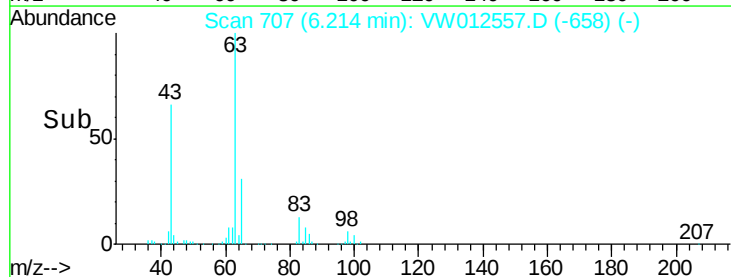
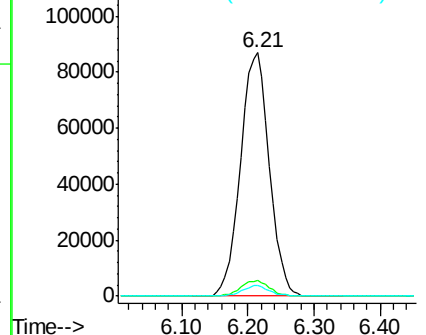
100 4.2 2.0 6.0

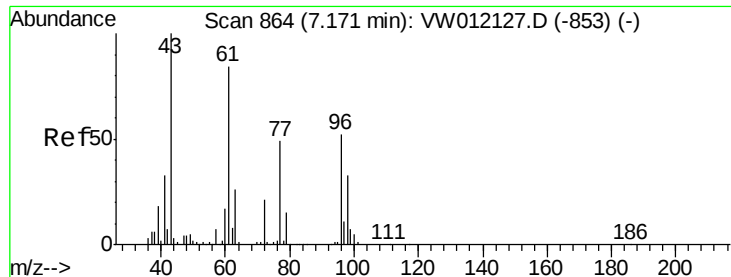


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 274.233 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 252015

Ion Ratio Lower Upper

43 100

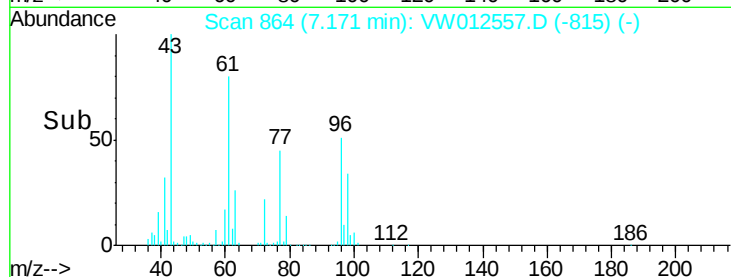
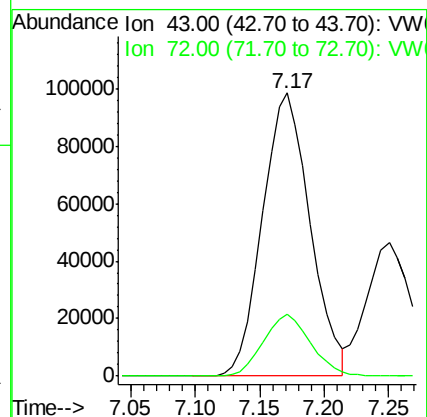
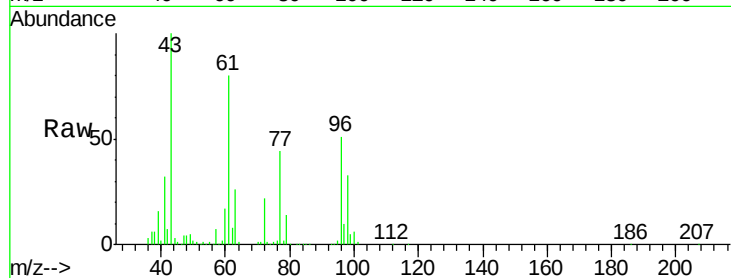
72 22.0 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 52.205 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012557.D

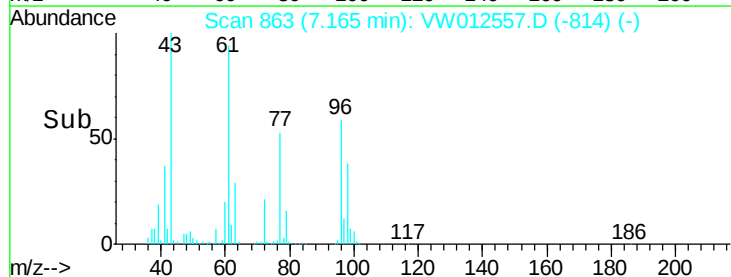
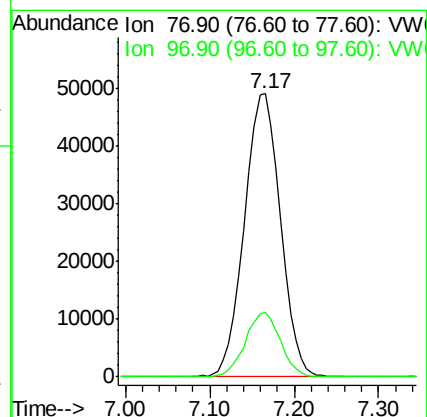
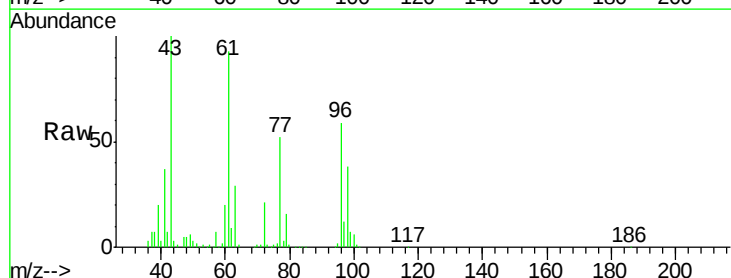
Acq: 03 Sep 2019 19:46

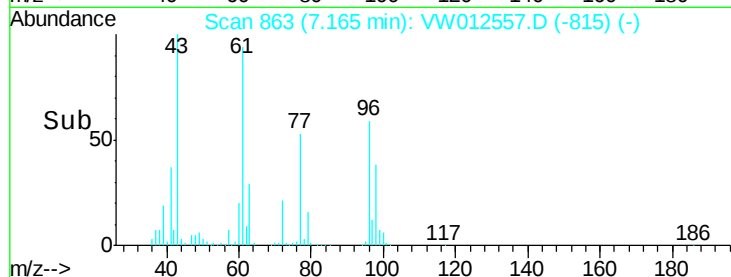
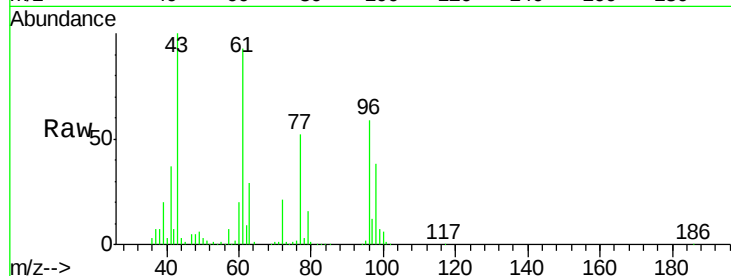
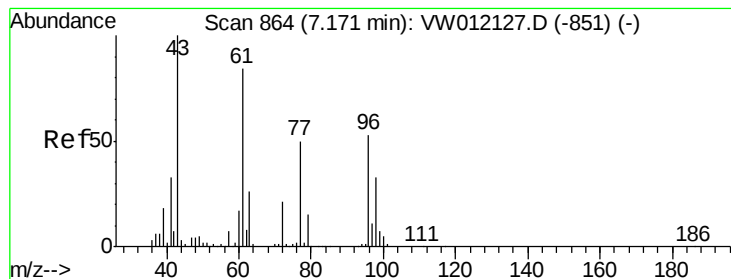
Tgt Ion: 77 Resp: 142321

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 56.042 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 143332 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 161.3 | 0.0   | 326.6  |
| 98        | 64.2  | 0.0   | 127.4  |

Instrument :

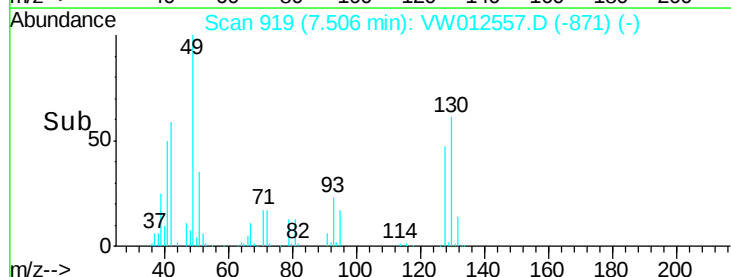
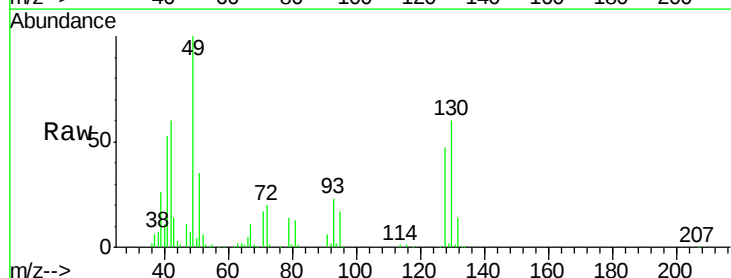
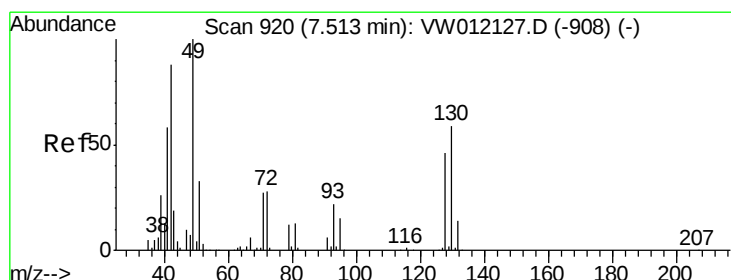
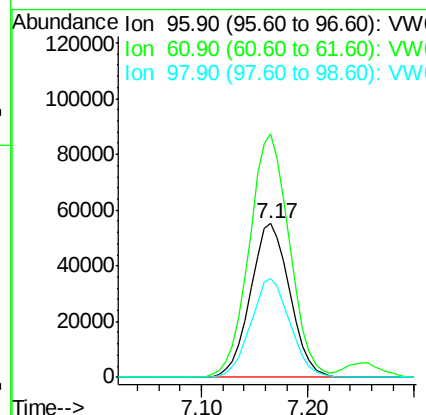
MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Manual Integrations  
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9/4/2019 9:55:51 AM



#28

Bromochloromethane

Concen: 52.985 ug/l

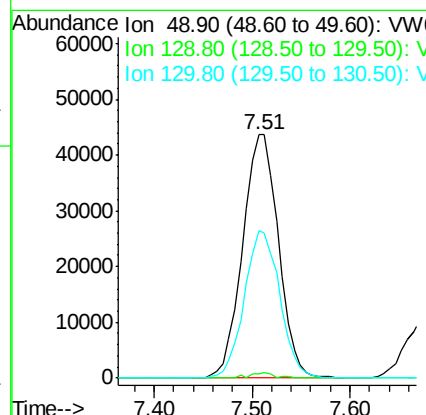
RT: 7.51 min Scan# 919

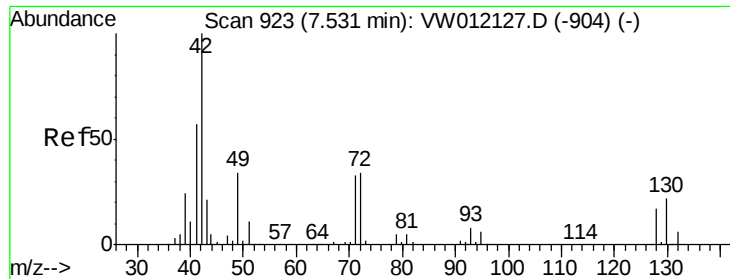
Delta R.T. -0.01 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 49    | Resp: | 111231 |
| Ion Ratio | Lower | Upper |        |
| 49        | 100   |       |        |
| 129       | 1.5   | 0.0   | 1.4#   |
| 130       | 59.7  | 45.5  | 68.3   |





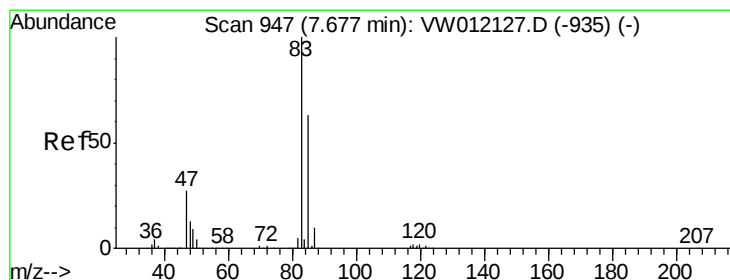
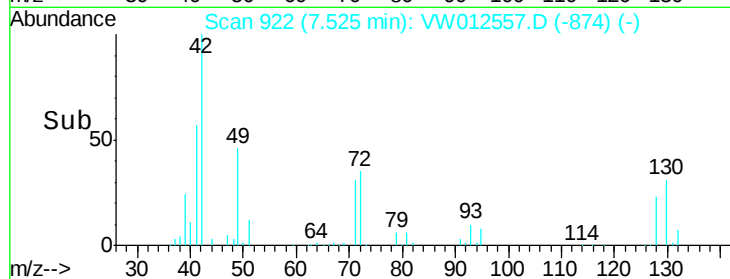
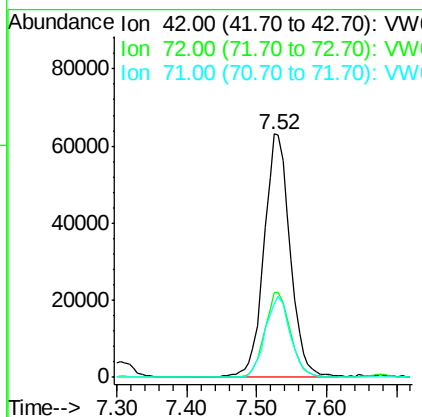
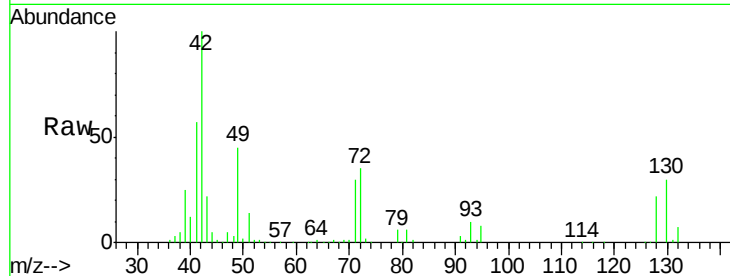
#29  
Tetrahydrofuran  
Concen: 297.089 ug/l  
RT: 7.52 min Scan# 922  
Delta R.T. -0.01 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 34.8  | 27.3  | 40.9  |
| 71      | 32.5  | 25.5  | 38.3  |

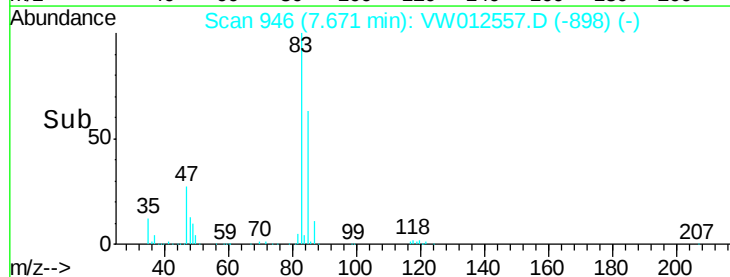
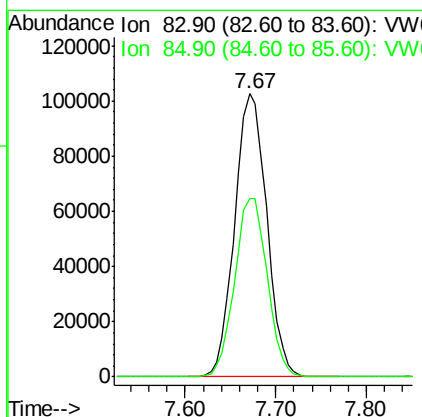
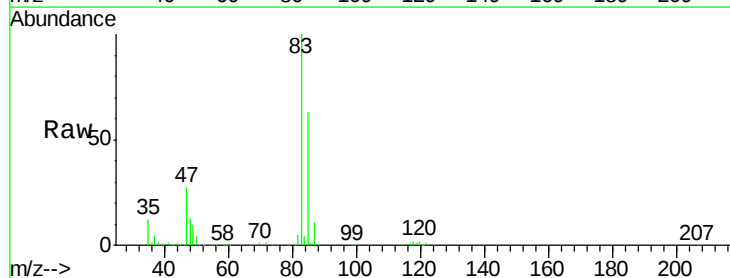
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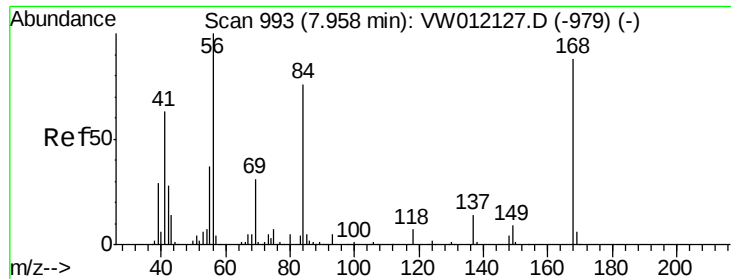
MMDadoda  
9/4/2019 9:55:51 AM



#30  
Chloroform  
Concen: 57.090 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. -0.01 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.1  | 50.6  | 76.0  |





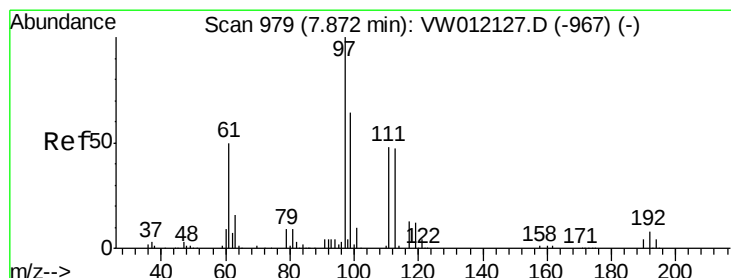
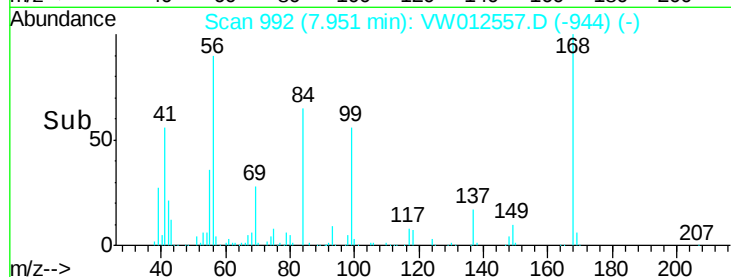
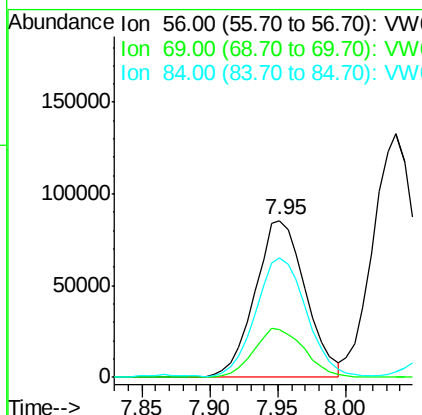
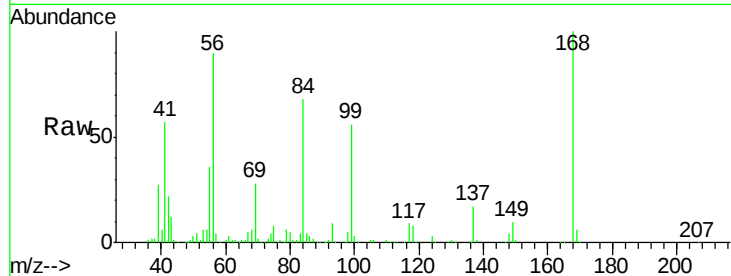
#31  
Cyclohexane  
Concen: 46.669 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. -0.01 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 56      | 100   | 222393 |       |       |
| 69      | 30.7  |        | 24.9  | 37.3  |
| 84      | 74.9  |        | 60.6  | 90.8  |

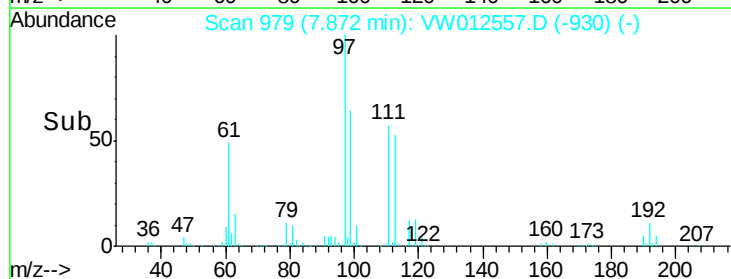
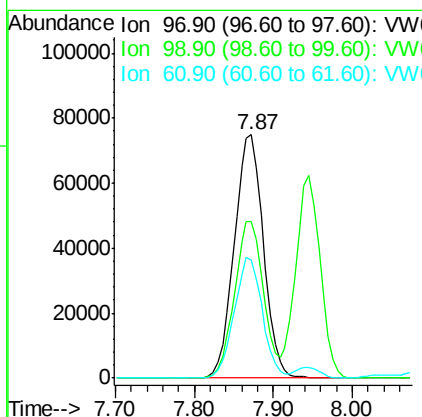
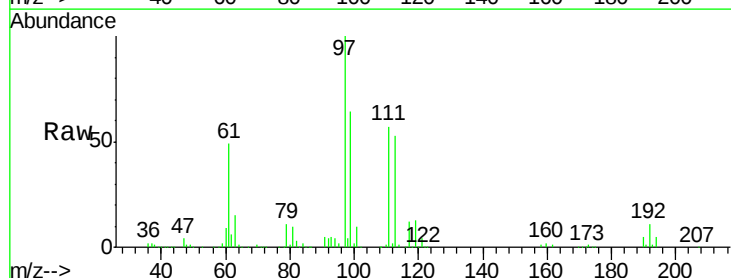
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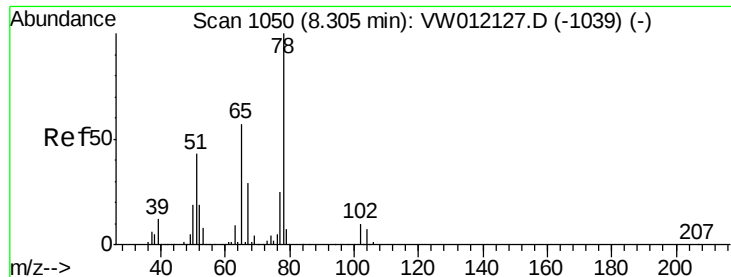
MMDadoda  
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#32  
1,1,1-Trichloroethane  
Concen: 55.088 ug/l  
RT: 7.87 min Scan# 979  
Delta R.T. -0.00 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 97      | 100   | 192034 |       |       |
| 99      | 64.6  |        | 51.4  | 77.0  |
| 61      | 48.1  |        | 39.5  | 59.3  |





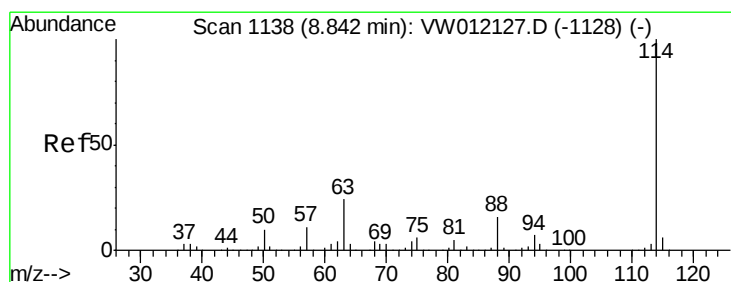
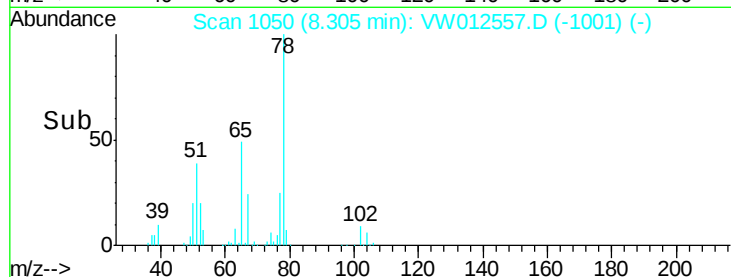
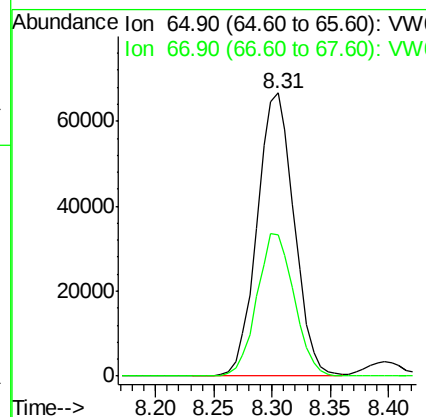
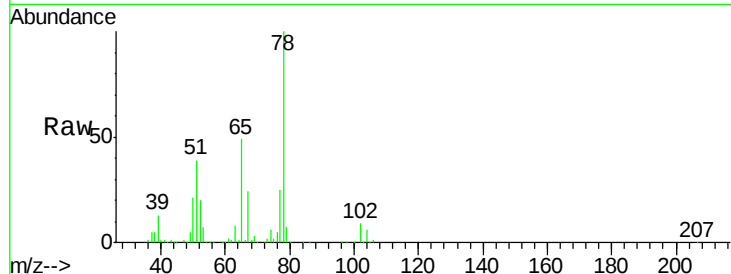
#33  
 1,2-Dichloroethane-d4  
 Concen: 55.349 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW012557.D  
 Acq: 03 Sep 2019 19:46

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 146432 |       |       |
| 67      | 50.7  | 0.0    | 102.6 |       |

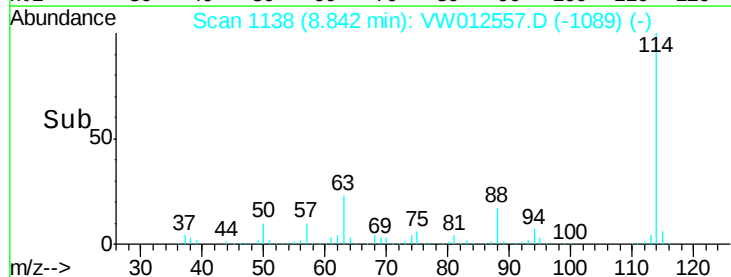
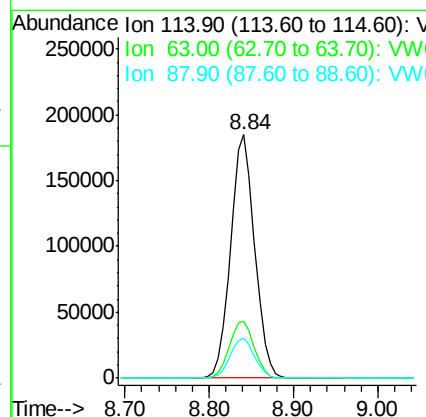
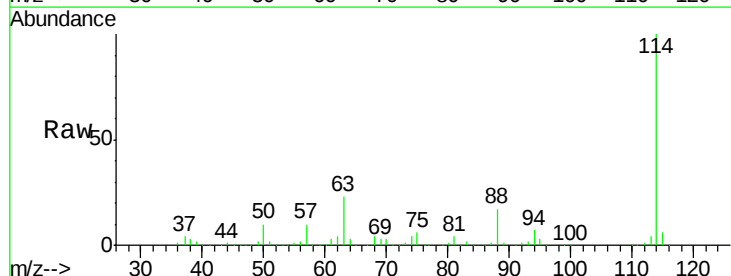
Manual Integrations  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW012557.D  
 Acq: 03 Sep 2019 19:46

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 358738 |       |       |
| 63      | 23.3  | 0.0    | 48.6  |       |
| 88      | 16.5  | 0.0    | 32.2  |       |





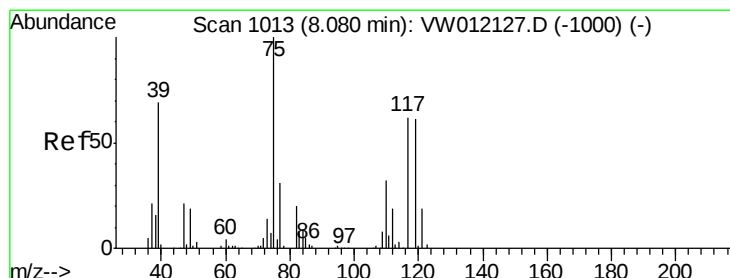
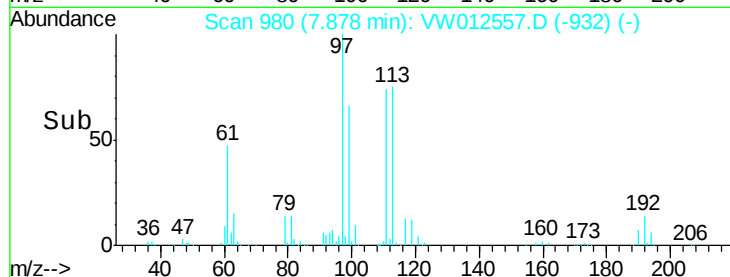
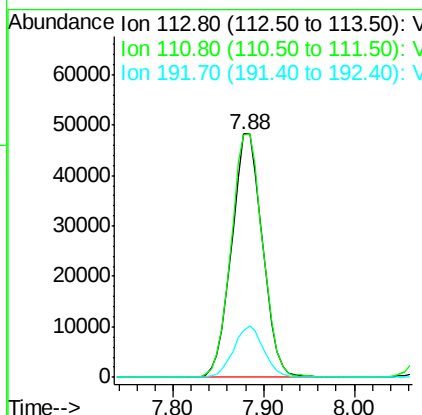
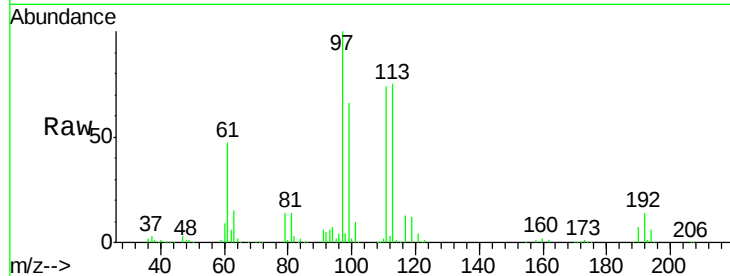
#35  
 Dibromofluoromethane  
 Concen: 53.224 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. -0.01 min  
 Lab File: VW012557.D  
 Acq: 03 Sep 2019 19:46

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 113970 |       |       |
| 111     | 102.2 | 82.7   | 124.1 |       |
| 192     | 20.5  | 16.2   | 24.2  |       |

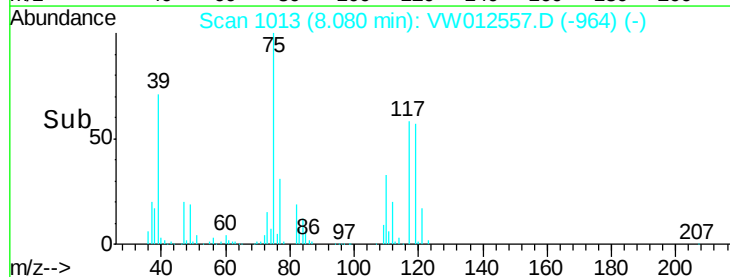
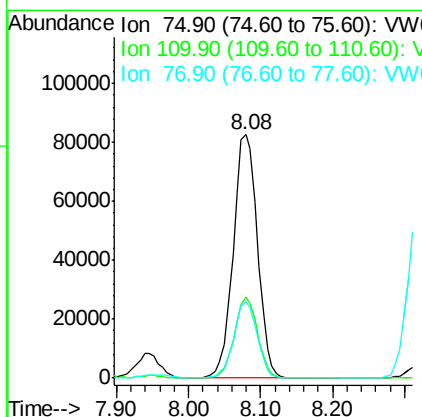
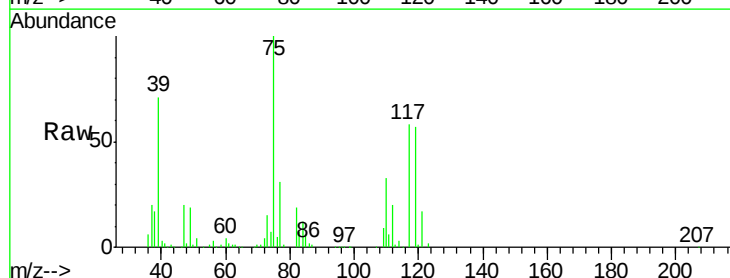
Manual Integrations  
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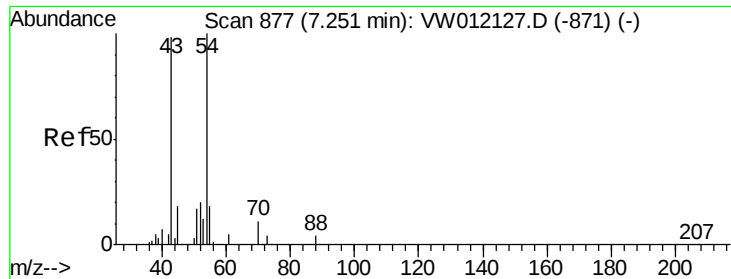
MMDadoda  
 9/4/2019 9:55:51 AM



#36  
 1,1-Dichloropropene  
 Concen: 52.027 ug/l  
 RT: 8.08 min Scan# 1013  
 Delta R.T. -0.00 min  
 Lab File: VW012557.D  
 Acq: 03 Sep 2019 19:46

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 192870 |       |       |
| 110     | 31.9  | 15.6   | 46.8  |       |
| 77      | 30.5  | 24.6   | 36.8  |       |





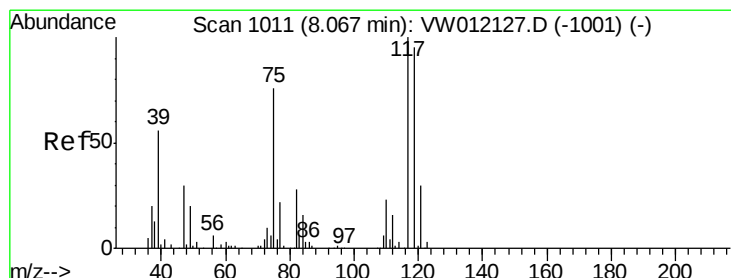
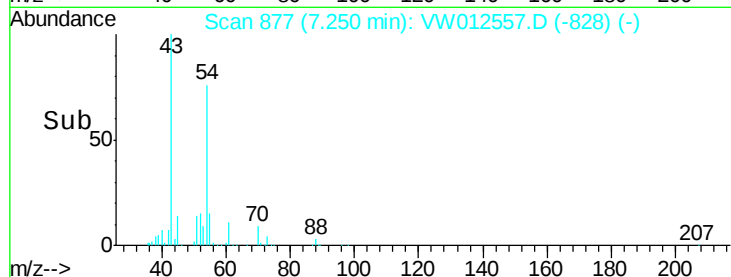
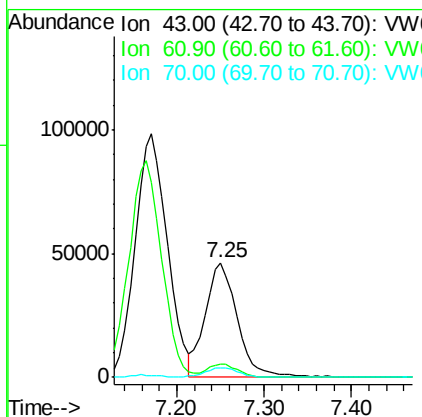
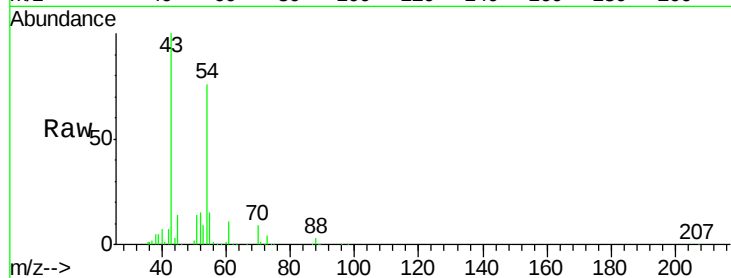
#37  
Ethyl Acetate  
Concen: 57.469 ug/l  
RT: 7.25 min Scan# 877  
Delta R.T. -0.00 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 43      | 100   | 116746 |       |       |
| 61      | 11.0  |        | 9.2   | 13.8  |
| 70      | 8.6   |        | 6.9   | 10.3  |

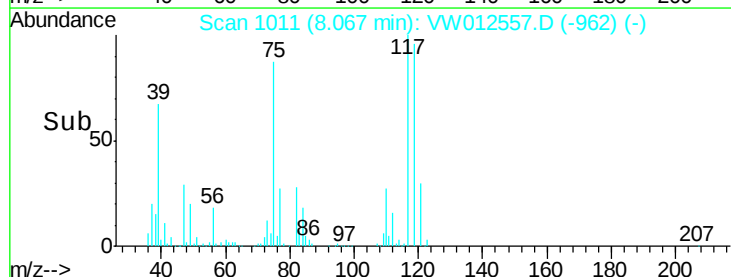
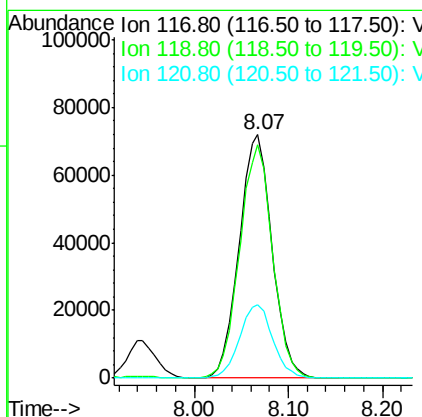
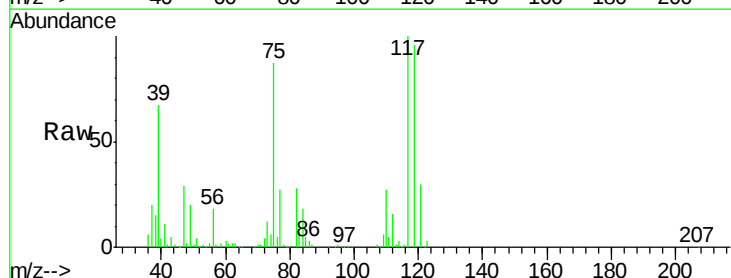
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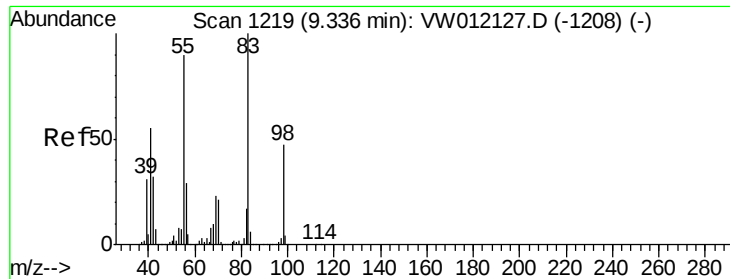
MMDadoda  
9/4/2019 9:55:51 AM



#38  
Carbon Tetrachloride  
Concen: 54.826 ug/l  
RT: 8.07 min Scan# 1011  
Delta R.T. -0.00 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 175917 |       |       |
| 119     | 95.8  |        | 76.2  | 114.2 |
| 121     | 30.1  |        | 23.8  | 35.8  |





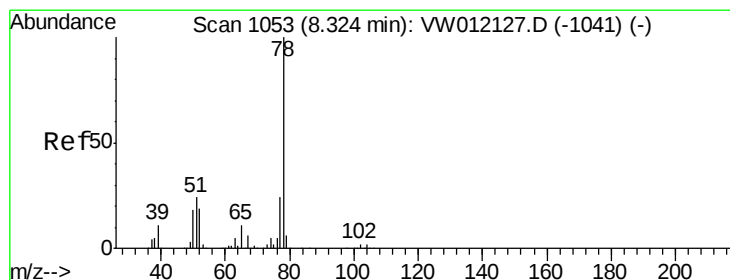
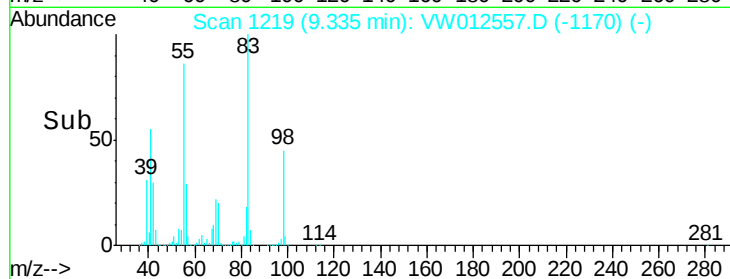
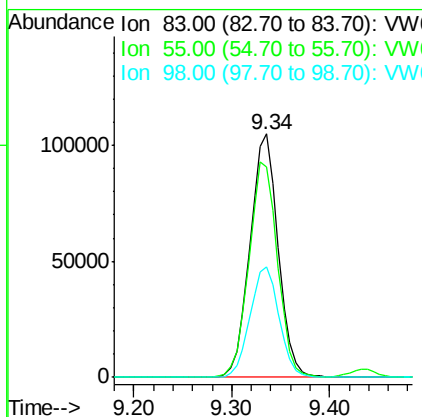
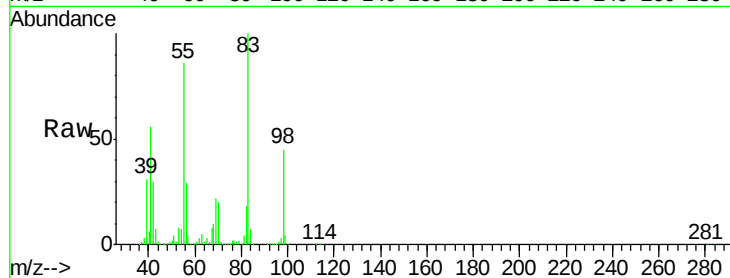
#39  
Methvlcvclohexane  
Concen: 50.486 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 86.3  | 71.8  | 107.8 |
| 98      | 45.2  | 37.8  | 56.8  |

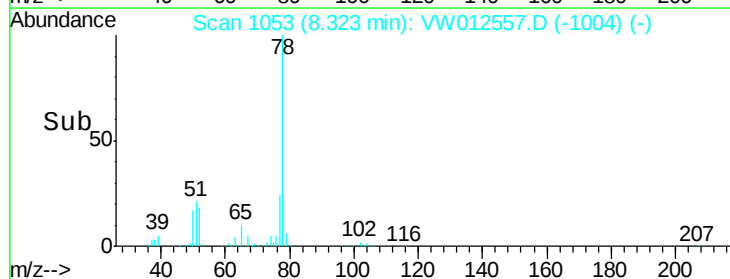
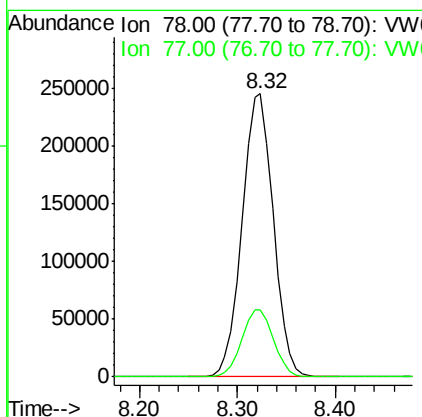
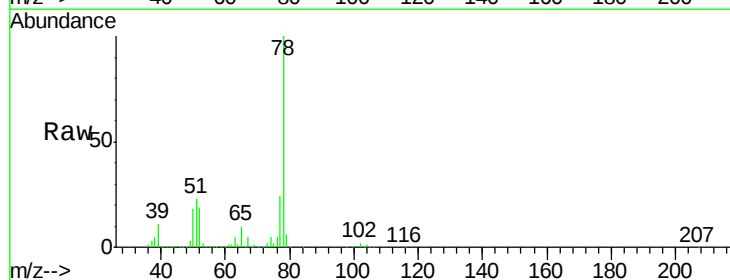
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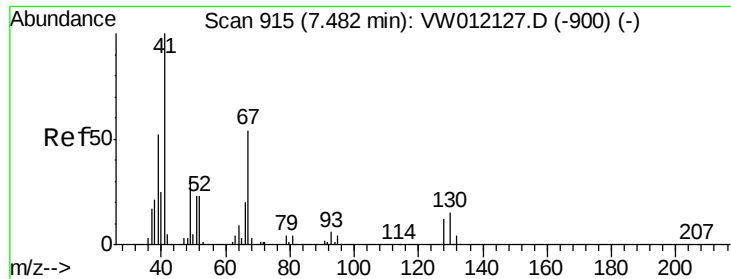
MMDadoda  
9/4/2019 9:55:51 AM



#40  
Benzene  
Concen: 53.734 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. -0.00 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.9  | 19.5  | 29.3  |





#41

Methacrylonitrile

Concen: 58.675 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA\_W

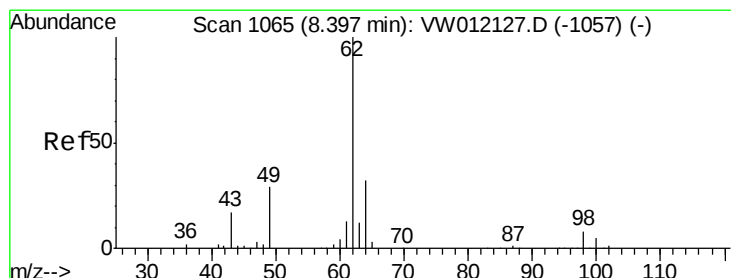
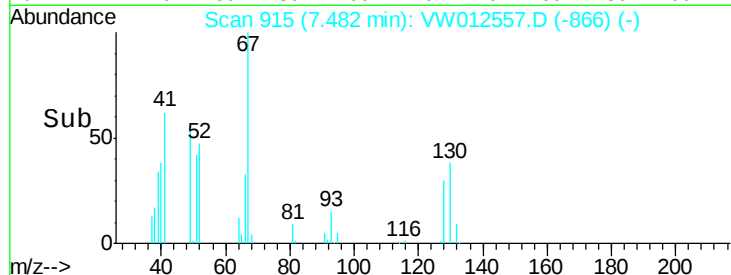
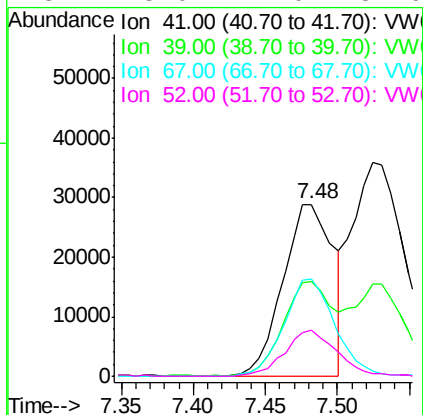
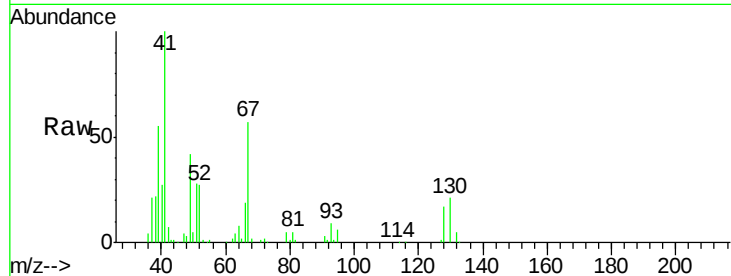
ClientSampleId :

VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 54.0 | 45.8  | 68.8  |       |
| 67      | 57.8 | 46.2  | 69.4  |       |
| 52      | 28.0 | 21.0  | 31.6  |       |

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#42

1,2-Dichloroethane

Concen: 58.894 ug/l

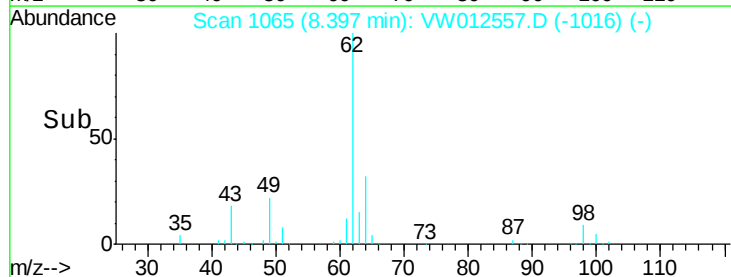
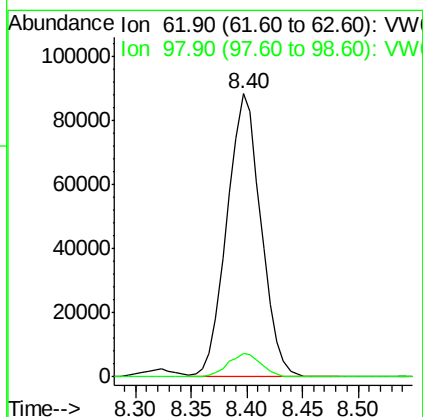
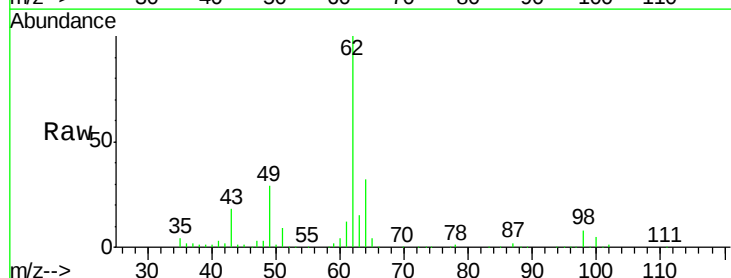
RT: 8.40 min Scan# 1065

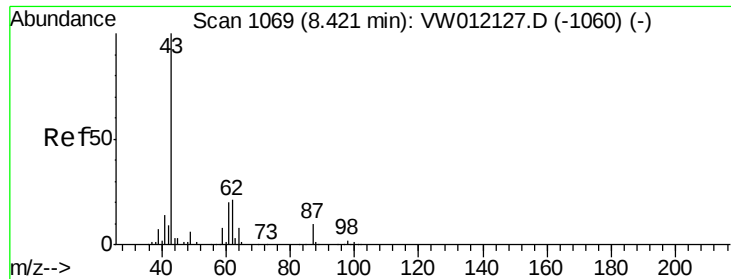
Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 8.4 | 0.0   | 16.6  |       |





#43

Isopropyl Acetate

Concen: 57.879 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA\_W

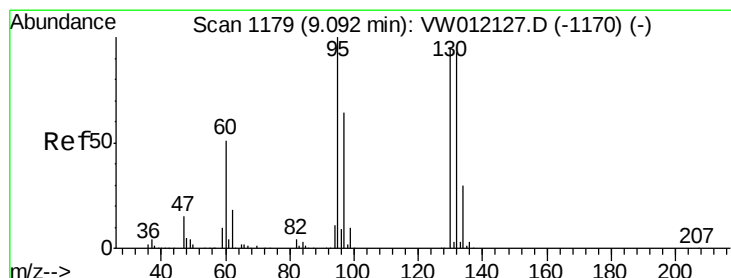
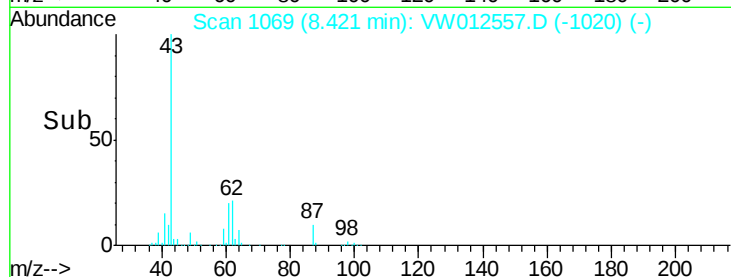
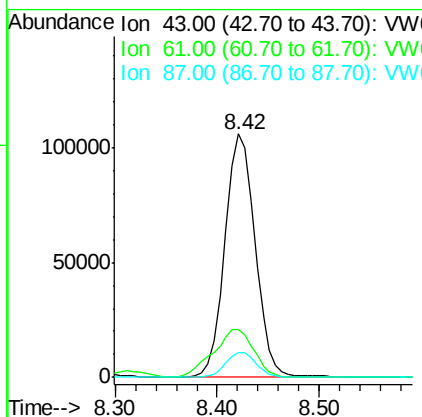
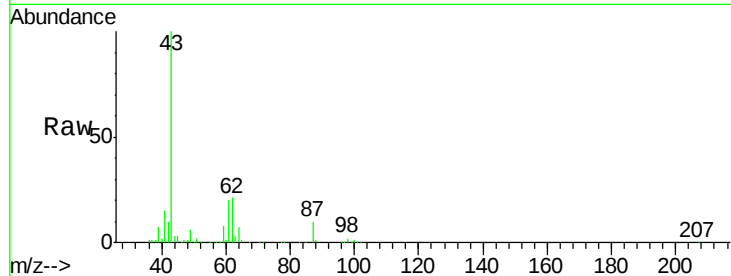
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 217793 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 26.2  | 21.1  | 31.7   |
| 87       | 10.4  | 8.2   | 12.2   |

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#44

Trichloroethene

Concen: 54.089 ug/l

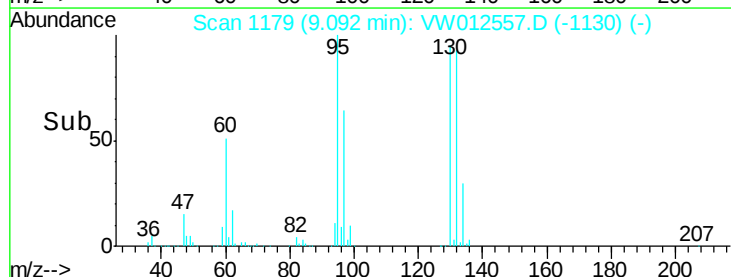
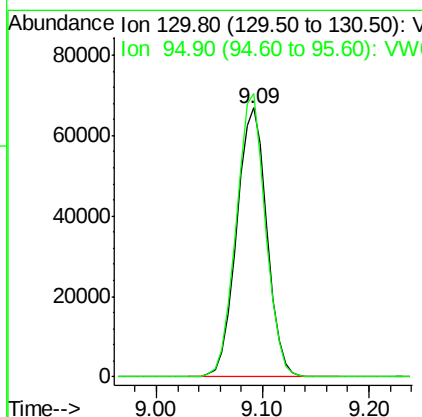
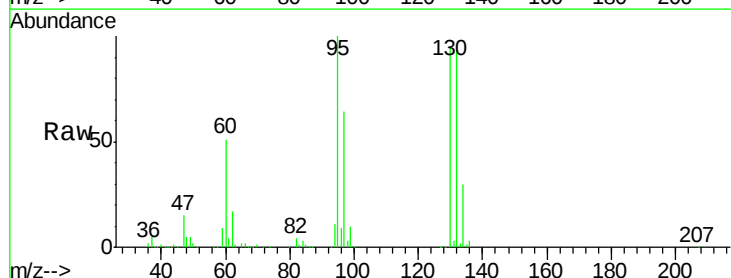
RT: 9.09 min Scan# 1179

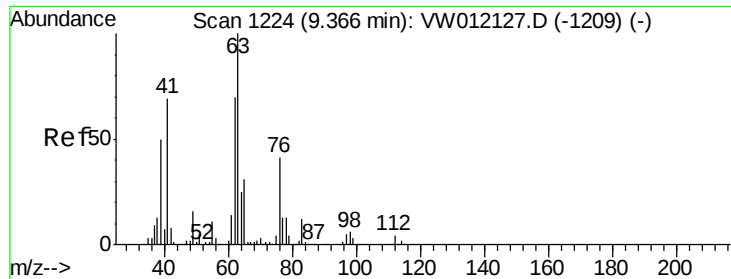
Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 133101 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 105.1 | 0.0   | 210.6  |





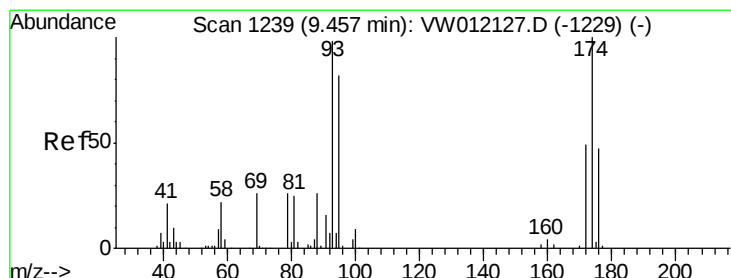
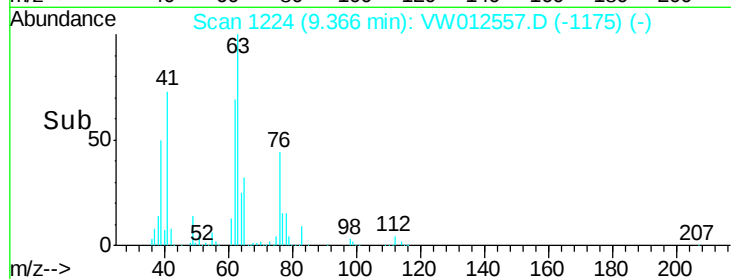
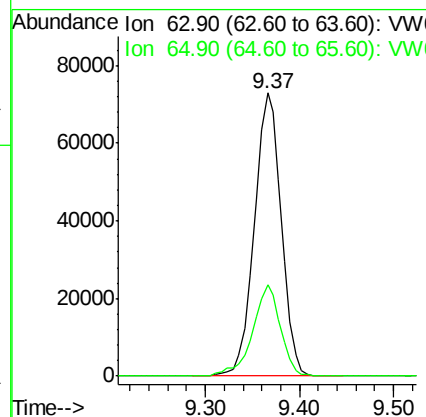
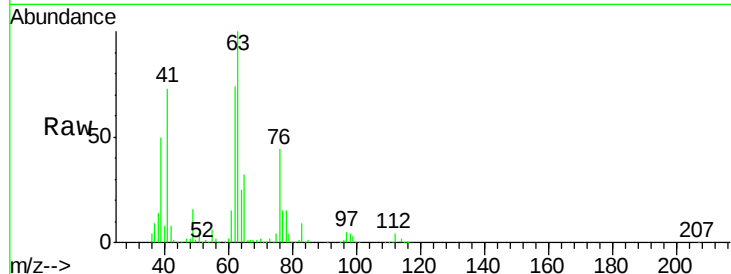
#45  
 1,2-Dichloropropane  
 Concen: 53.768 ug/l  
 RT: 9.37 min Scan# 1224  
 Delta R.T. -0.00 min  
 Lab File: VW012557.D  
 Acq: 03 Sep 2019 19:46

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 32.1  | 25.0  | 37.4  |

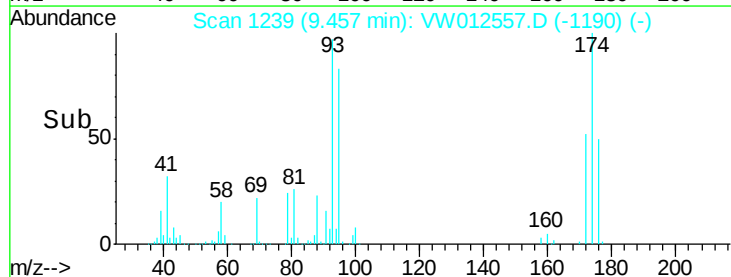
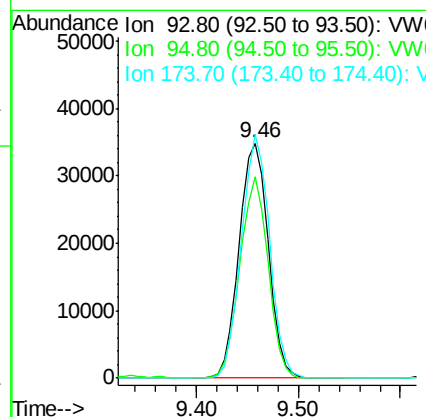
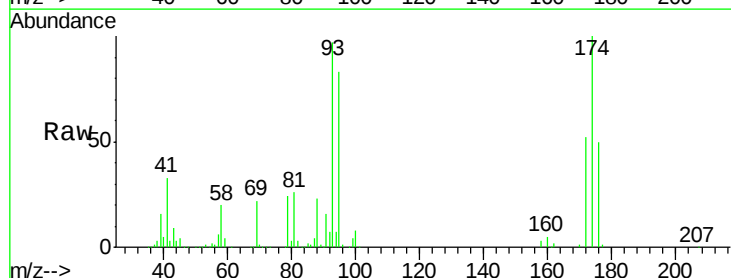
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#46  
 Dibromomethane  
 Concen: 56.963 ug/l  
 RT: 9.46 min Scan# 1239  
 Delta R.T. -0.00 min  
 Lab File: VW012557.D  
 Acq: 03 Sep 2019 19:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 82.9  | 67.2  | 100.8 |
| 174     | 100.6 | 79.0  | 118.6 |





#47

Bromodichloromethane

Concen: 57.024 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA\_W

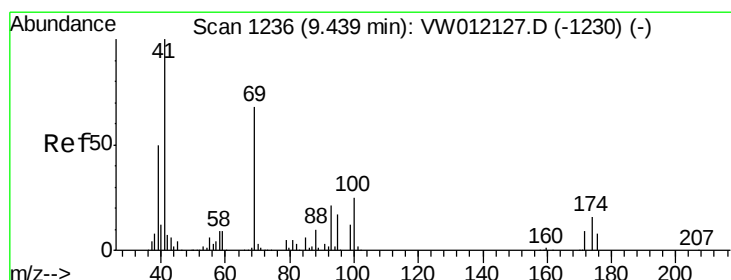
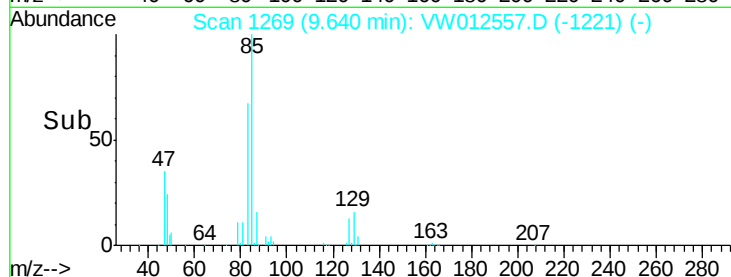
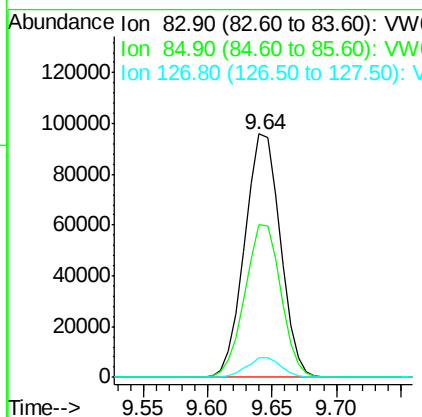
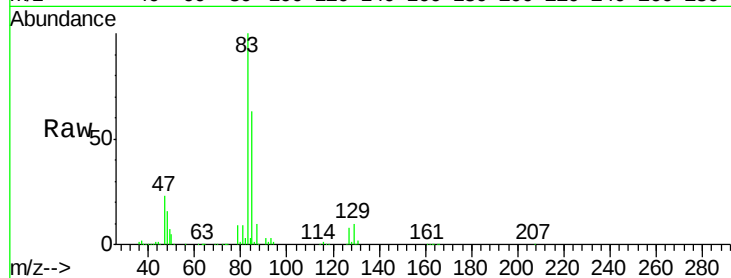
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 183958 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 62.9  | 49.4  | 74.2   |
| 127       | 8.2   | 6.1   | 9.1    |

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#48

Methyl methacrylate

Concen: 58.377 ug/l

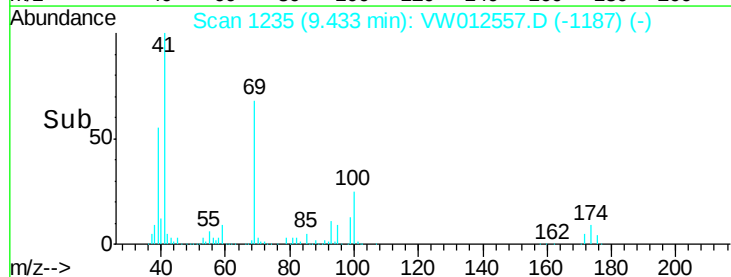
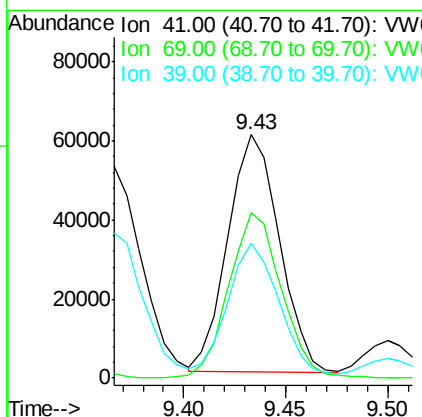
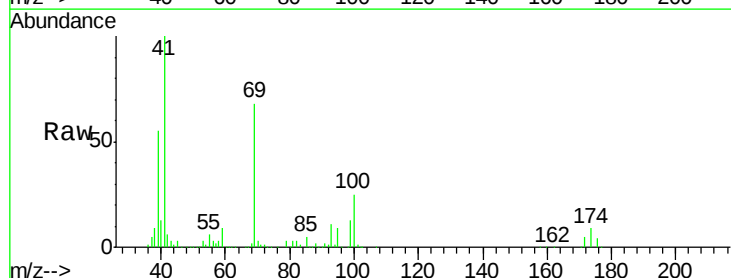
RT: 9.43 min Scan# 1235

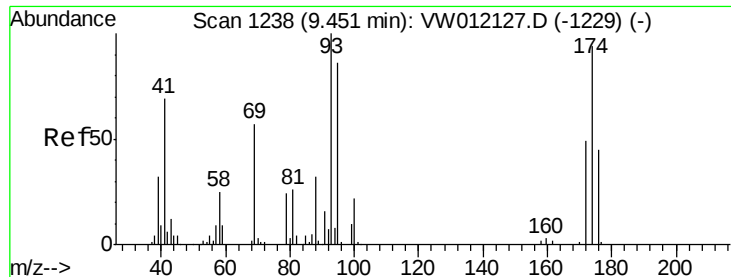
Delta R.T. -0.01 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 104551 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 72.1  | 56.7  | 85.1   |
| 39        | 58.1  | 42.0  | 63.0   |





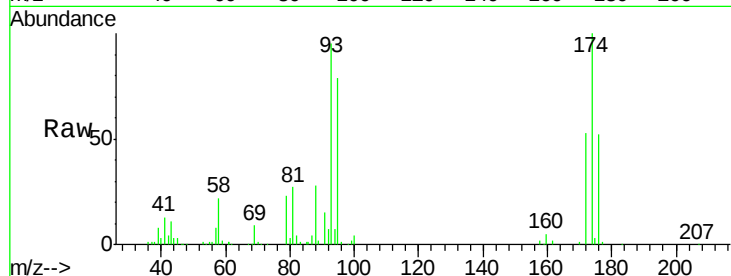
#49  
1,4-Dioxane  
Concen: 1145.655 ug/l  
RT: 9.46 min Scan# 1240  
Delta R.T. 0.01 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 88    | Resp  | 21259 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 43        | 0.0   | 32.9  | 49.3# |
| 58        | 87.4  | 71.0  | 106.4 |

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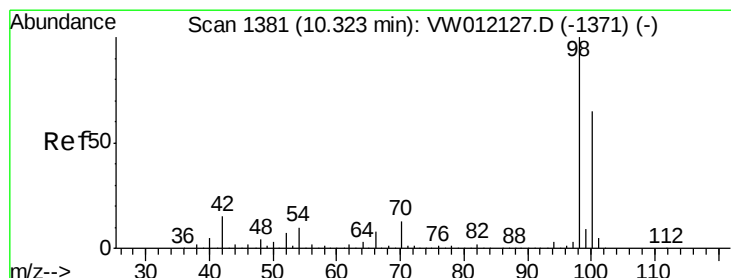
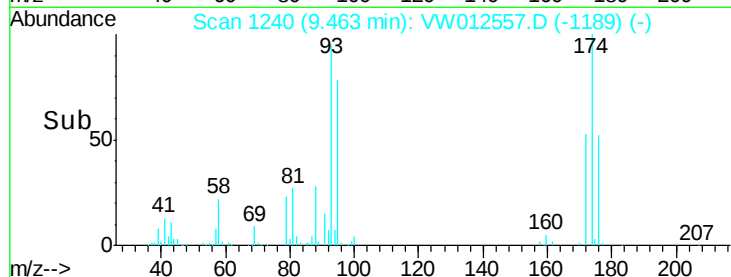
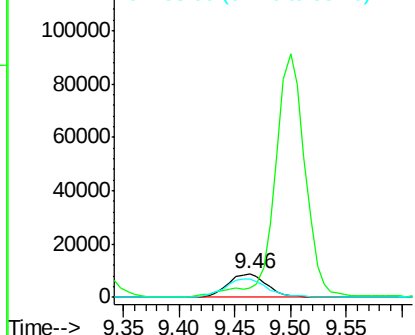


Abundance

Ion 88.00 (87.70 to 88.70): VW

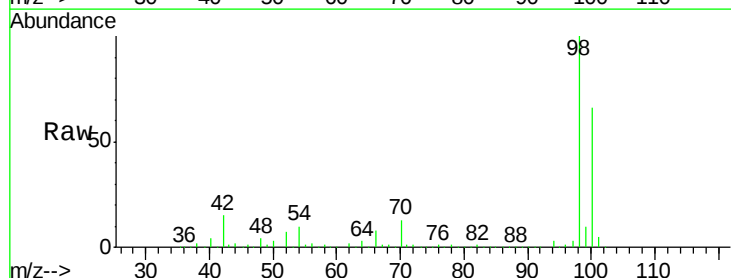
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50  
Toluene-d8  
Concen: 51.109 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

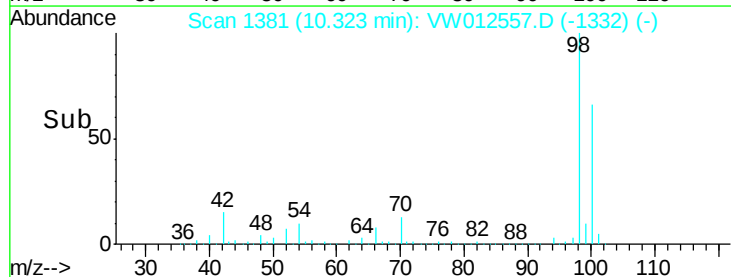
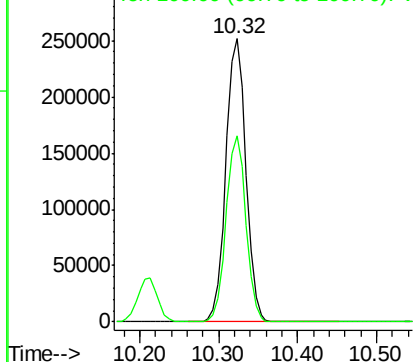
| Tgt Ion   | 98    | Resp  | 443750 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 65.2  | 52.4  | 78.6   |



Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 297.673 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 569725

Ion Ratio Lower Upper

43 100

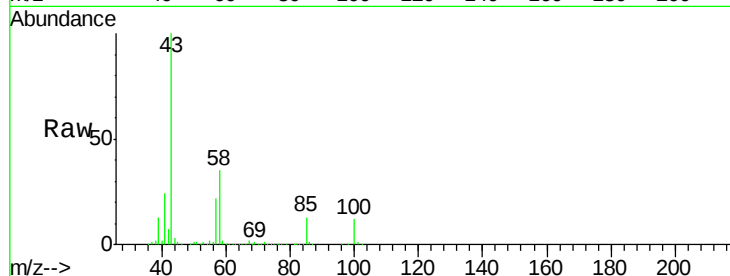
58 34.8 28.2 42.2

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

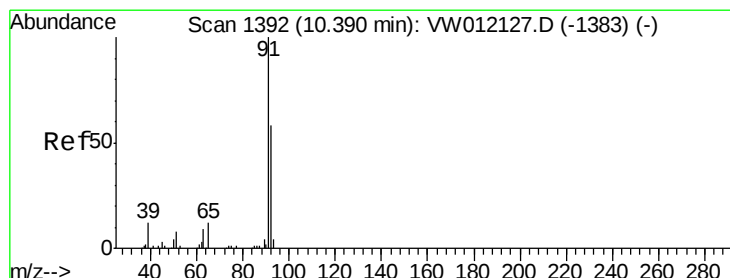
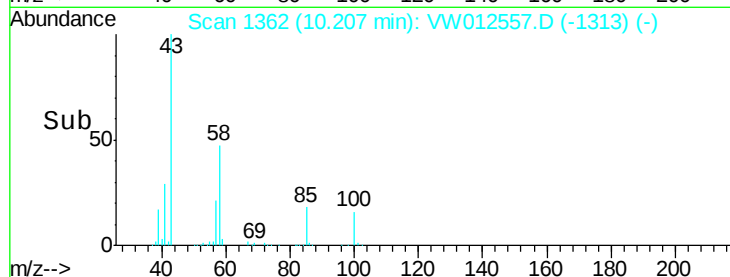
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 54.717 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012557.D

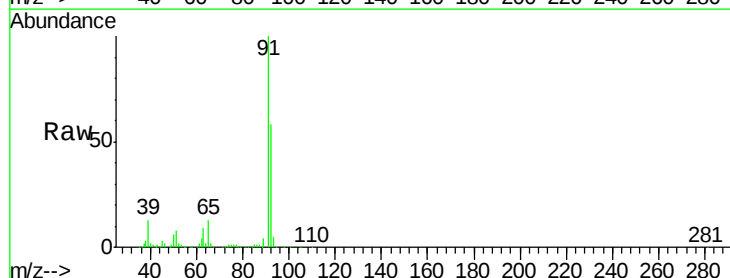
Acq: 03 Sep 2019 19:46

Tgt Ion: 92 Resp: 332743

Ion Ratio Lower Upper

92 100

91 171.7 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.38

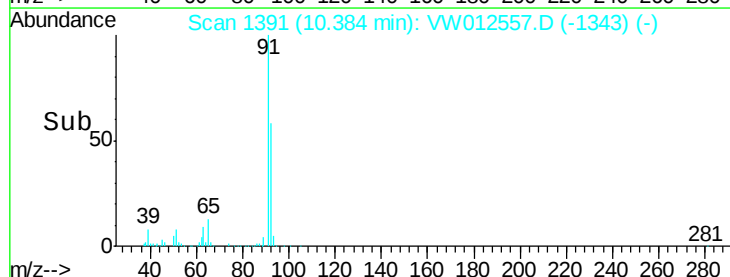
300000

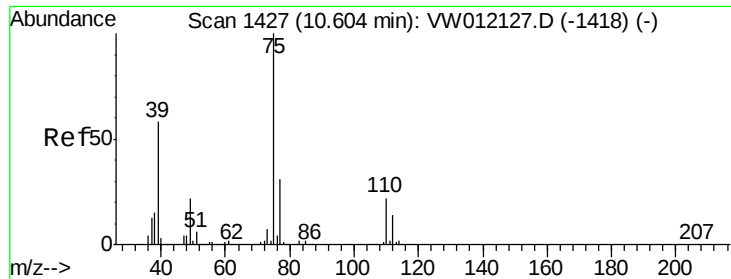
200000

100000

0

Time-->





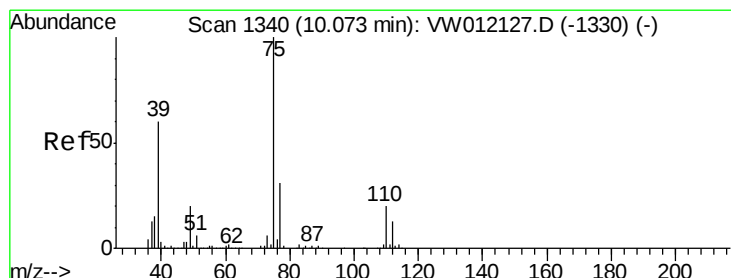
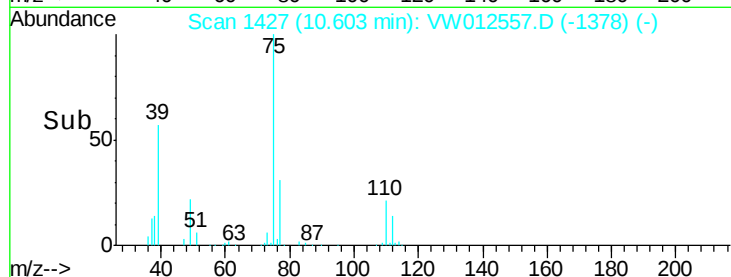
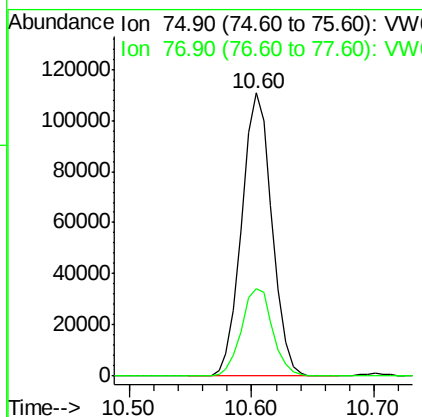
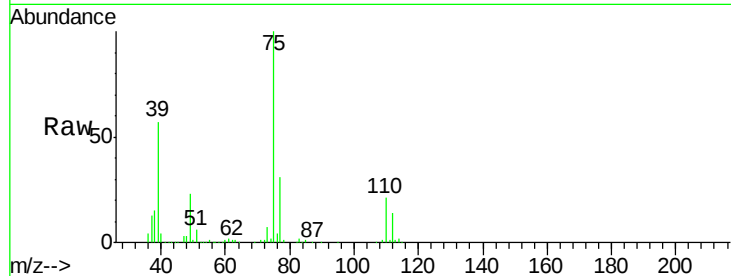
#53  
 t-1,3-Dichloropropene  
 Concen: 57.856 ug/l  
 RT: 10.60 min Scan# 1427  
 Delta R.T. -0.00 min  
 Lab File: VW012557.D  
 Acq: 03 Sep 2019 19:46

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 75 Resp: 190118  
 Ion Ratio Lower Upper  
 75 100  
 77 30.9 25.0 37.4

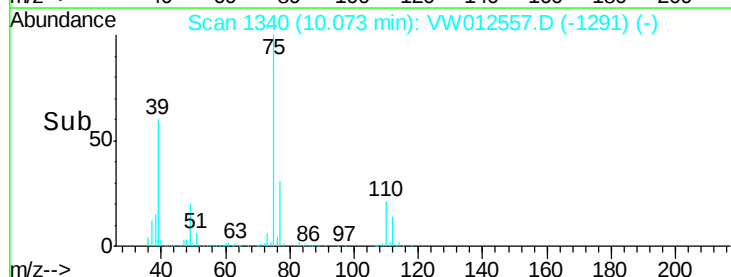
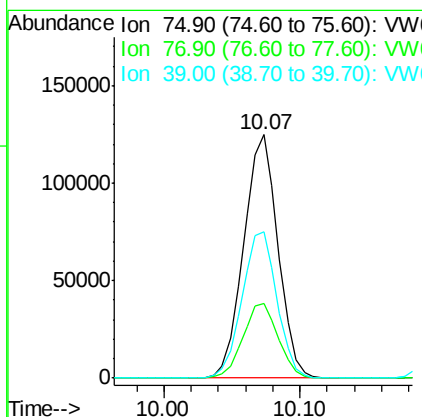
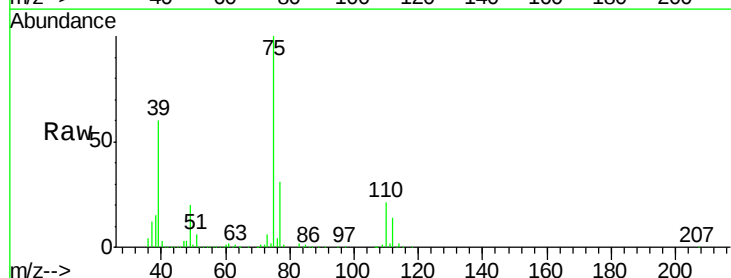
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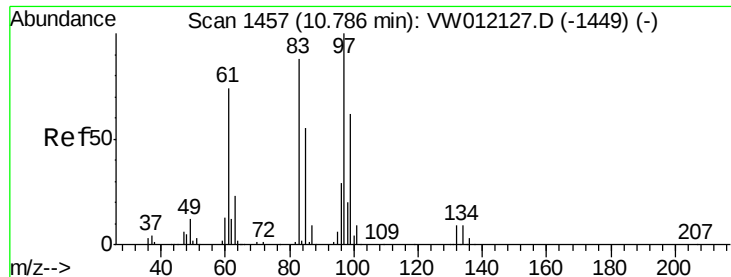
MMDadoda  
 9/4/2019 9:55:51 AM



#54  
 cis-1,3-Dichloropropene  
 Concen: 55.420 ug/l  
 RT: 10.07 min Scan# 1340  
 Delta R.T. -0.00 min  
 Lab File: VW012557.D  
 Acq: 03 Sep 2019 19:46

Tgt Ion: 75 Resp: 219892  
 Ion Ratio Lower Upper  
 75 100  
 77 30.9 25.1 37.7  
 39 60.1 48.3 72.5





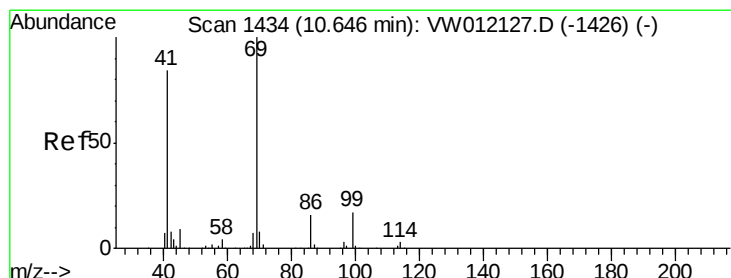
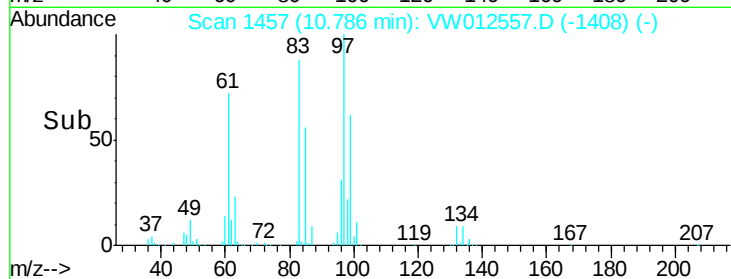
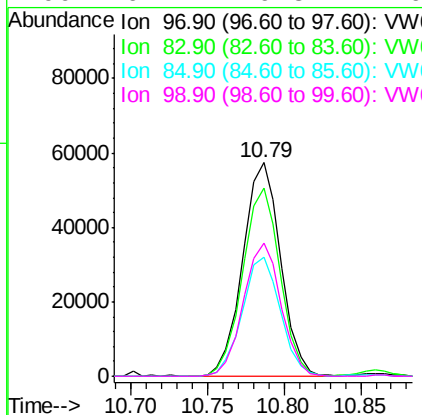
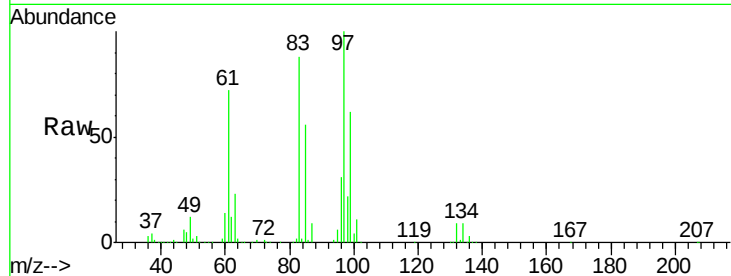
#55  
 1,1,2-Trichloroethane  
 Concen: 57.674 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. -0.00 min  
 Lab File: VW012557.D  
 Acq: 03 Sep 2019 19:46

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 98911 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 88.1  | 70.8  | 106.2 |
| 85       | 55.6  | 43.8  | 65.8  |
| 99       | 62.4  | 49.8  | 74.6  |

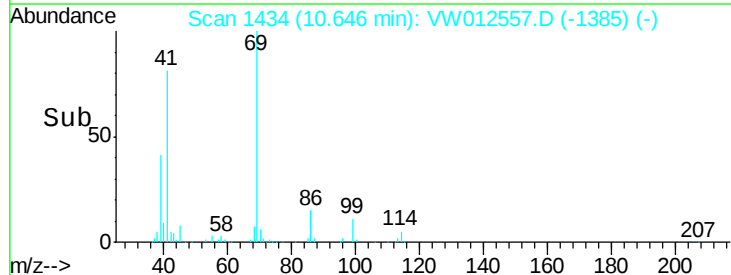
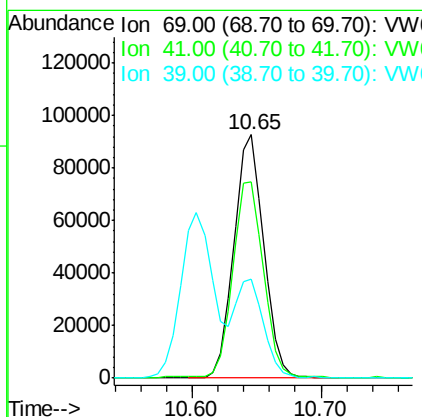
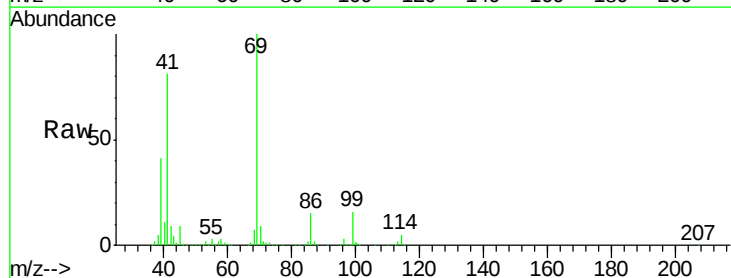
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 9/4/2019 9:55:51 AM



#56  
 Ethyl methacrylate  
 Concen: 59.875 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. -0.00 min  
 Lab File: VW012557.D  
 Acq: 03 Sep 2019 19:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 149449 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 83.5  | 66.5  | 99.7   |
| 39       | 37.2  | 31.0  | 46.4   |





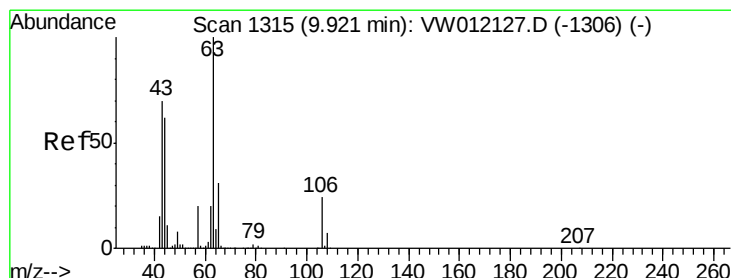
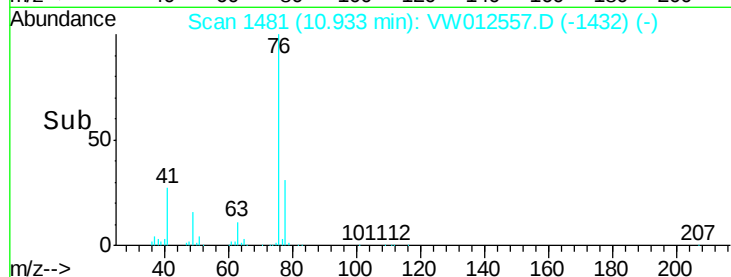
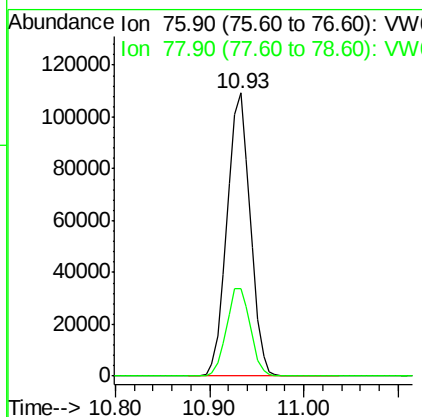
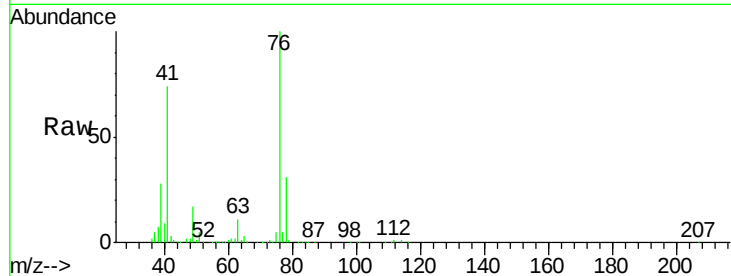
#57  
 1,3-Dichloropropane  
 Concen: 57.719 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. -0.00 min  
 Lab File: VW012557.D  
 Acq: 03 Sep 2019 19:46

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 76 Resp: 187061  
 Ion Ratio Lower Upper  
 76 100  
 78 31.8 25.8 38.8

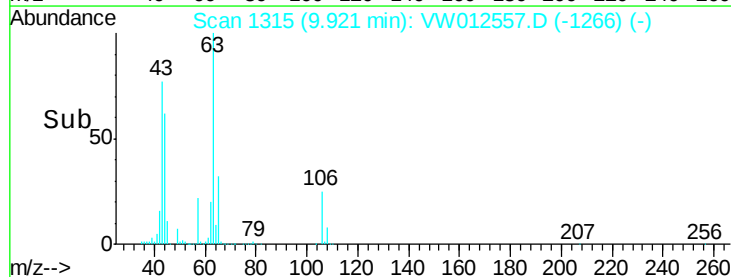
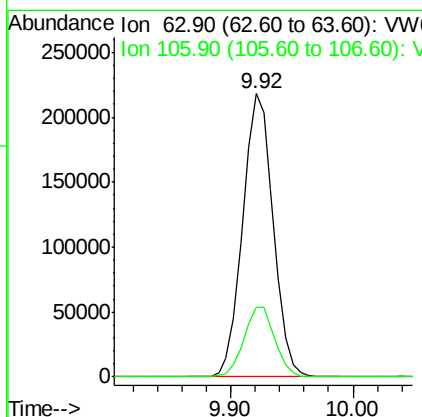
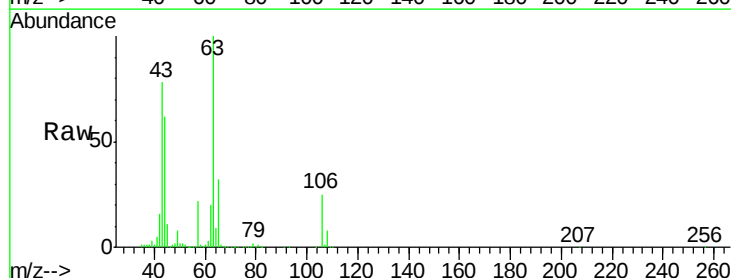
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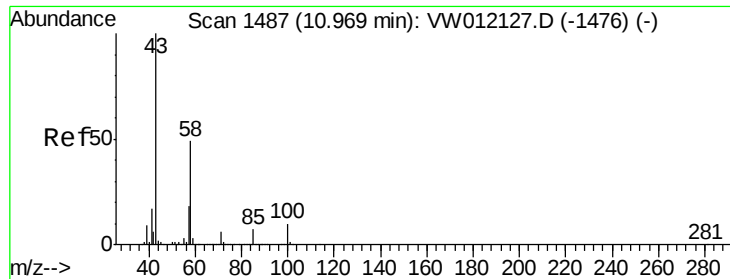
MMDadoda  
 9/4/2019 9:55:51 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 293.677 ug/l  
 RT: 9.92 min Scan# 1315  
 Delta R.T. -0.00 min  
 Lab File: VW012557.D  
 Acq: 03 Sep 2019 19:46

Tgt Ion: 63 Resp: 376204  
 Ion Ratio Lower Upper  
 63 100  
 106 25.1 19.8 29.8





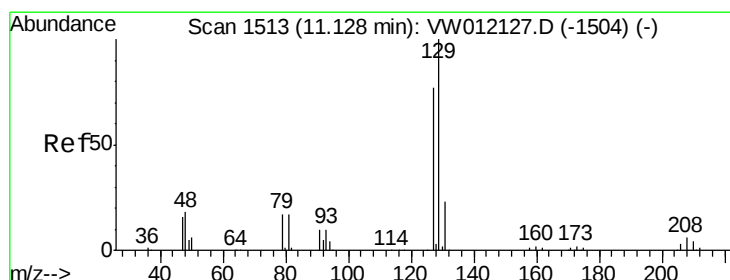
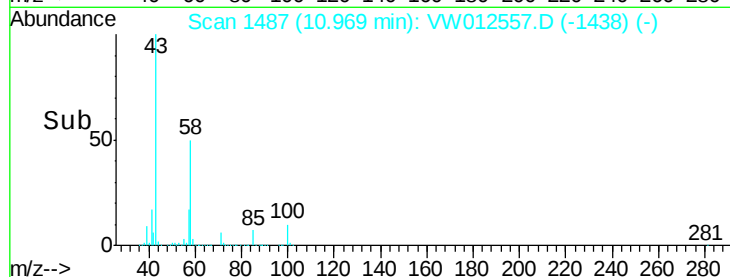
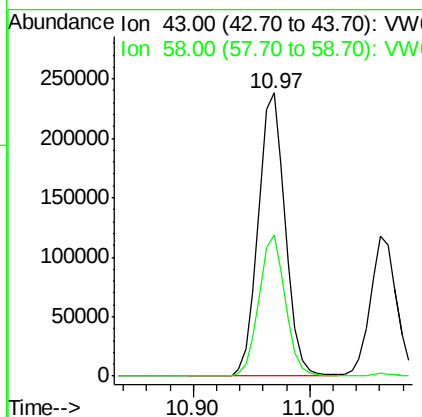
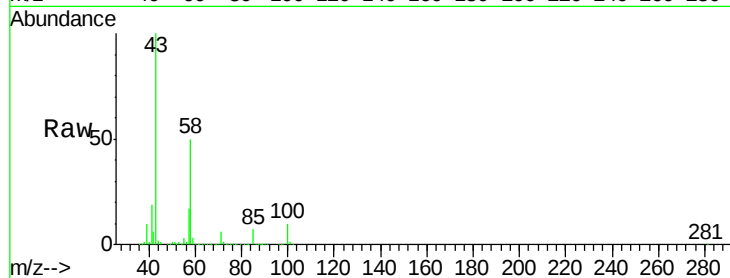
#59  
2-Hexanone  
Concen: 284.718 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 385572  
Ion Ratio Lower Upper  
43 100  
58 48.7 24.3 72.9

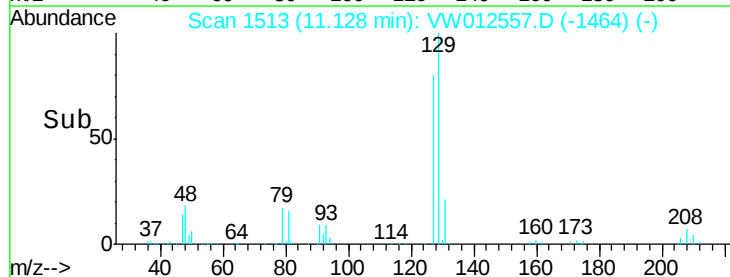
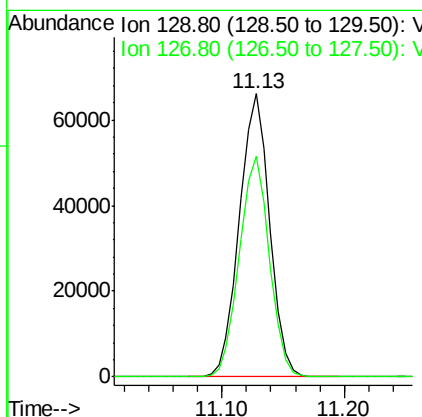
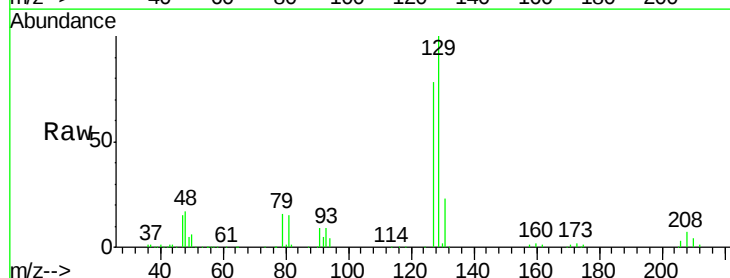
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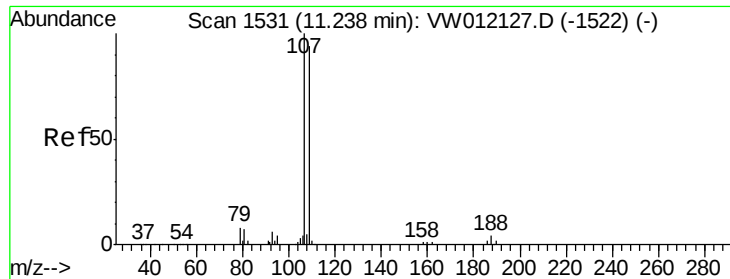
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 59.229 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

Tgt Ion: 129 Resp: 113140  
Ion Ratio Lower Upper  
129 100  
127 77.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 57.922 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 92544

Ion Ratio Lower Upper

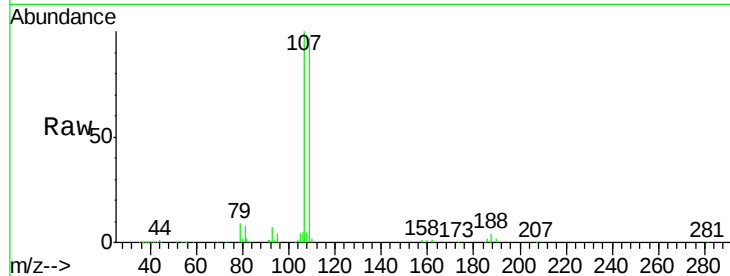
107 100

109 93.4 75.4 113.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

60000

50000

40000

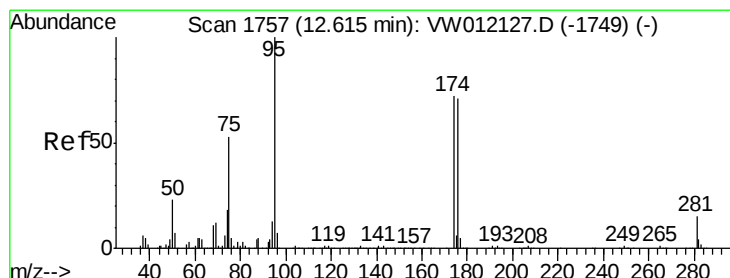
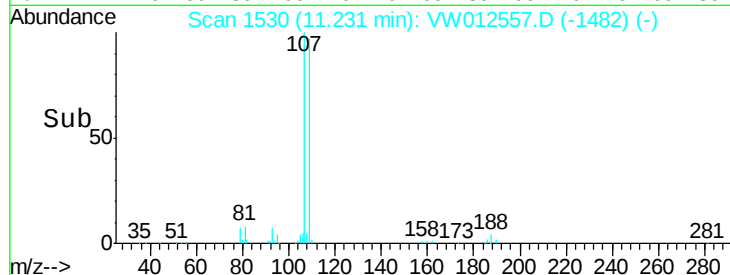
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.541 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

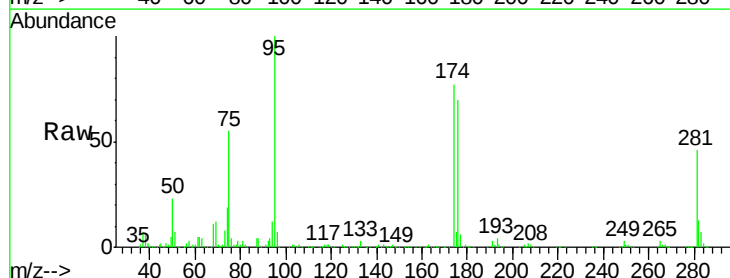
Tgt Ion: 95 Resp: 163864

Ion Ratio Lower Upper

95 100

174 77.0 0.0 150.8

176 73.5 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

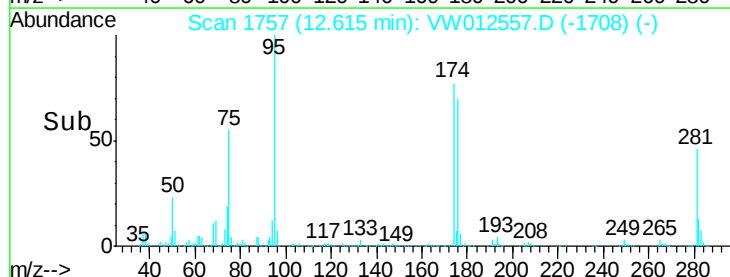
12.62

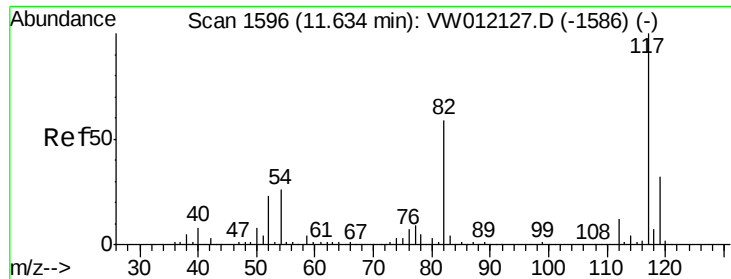
100000

50000

0

Time-->





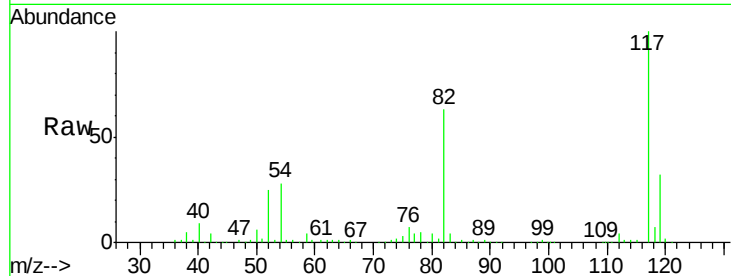
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.01 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

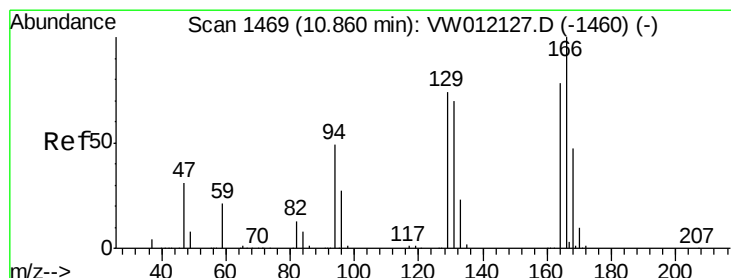
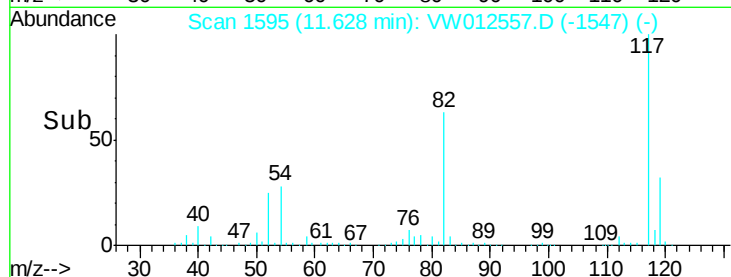
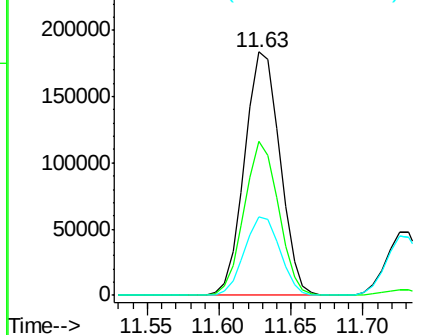
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 63.3  | 47.4  | 71.2  |
| 119     | 32.3  | 25.4  | 38.2  |

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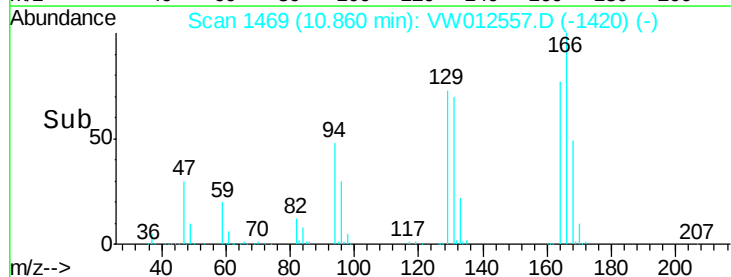
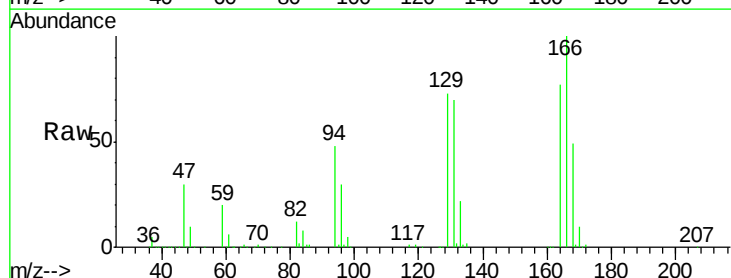
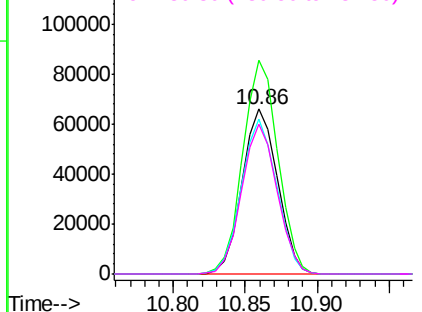
Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

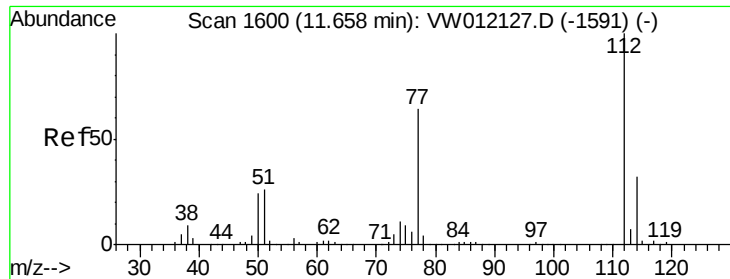


#64  
Tetrachloroethene  
Concen: 55.518 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 129.7 | 102.4 | 153.6 |
| 129     | 94.1  | 75.8  | 113.6 |
| 131     | 91.2  | 71.4  | 107.2 |

Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V





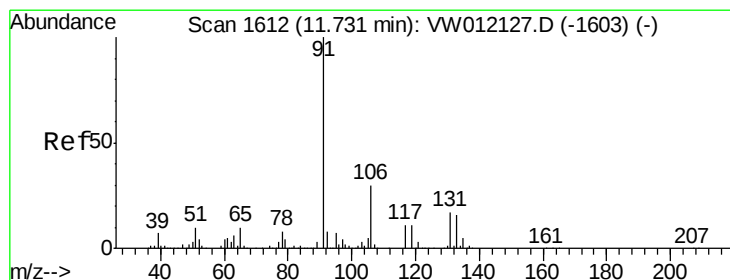
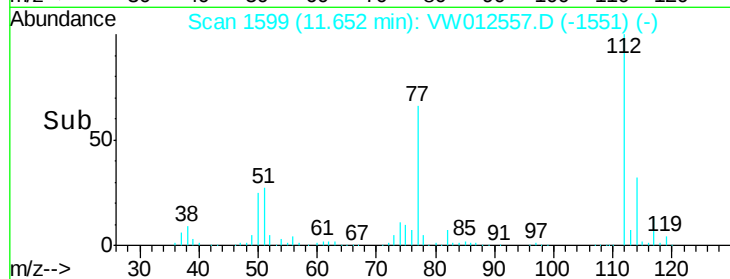
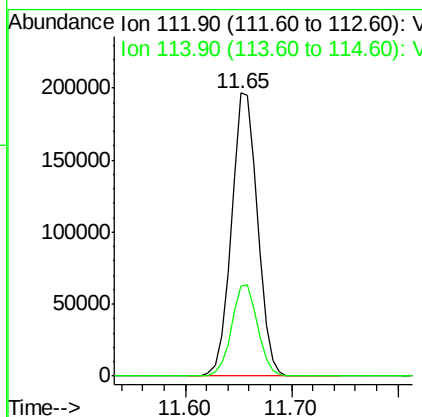
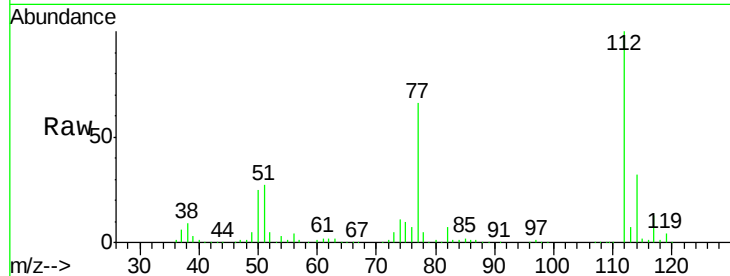
#65  
Chlorobenzene  
Concen: 54.824 ug/l  
RT: 11.65 min Scan# 1599  
Delta R.T. -0.01 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:112 Resp: 337224  
Ion Ratio Lower Upper  
112 100  
114 31.7 25.8 38.6

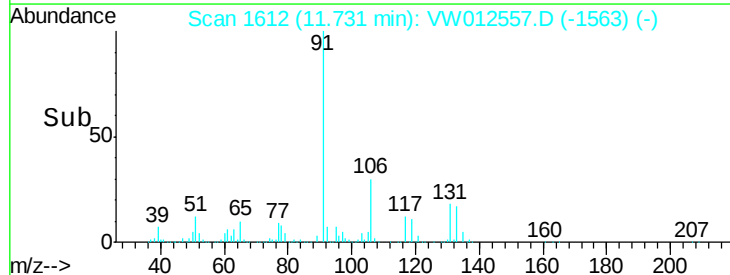
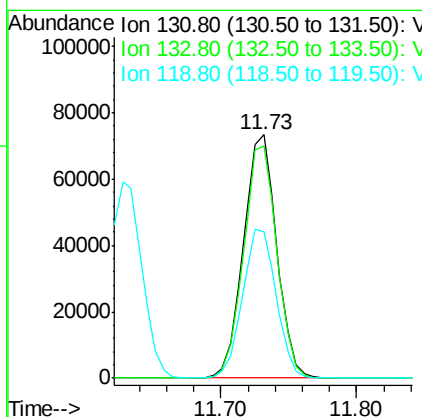
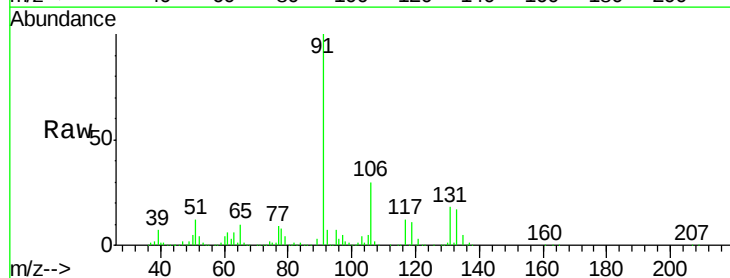
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 58.353 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

Tgt Ion:131 Resp: 125215  
Ion Ratio Lower Upper  
131 100  
133 95.5 47.1 141.3  
119 62.0 31.8 95.3





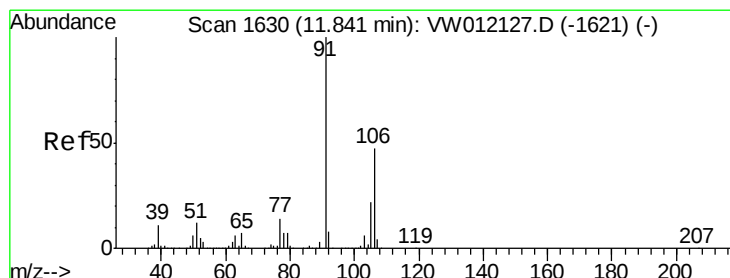
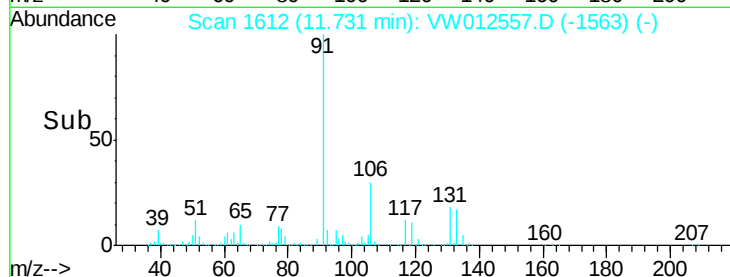
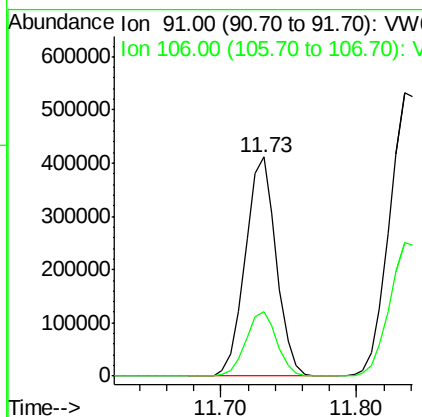
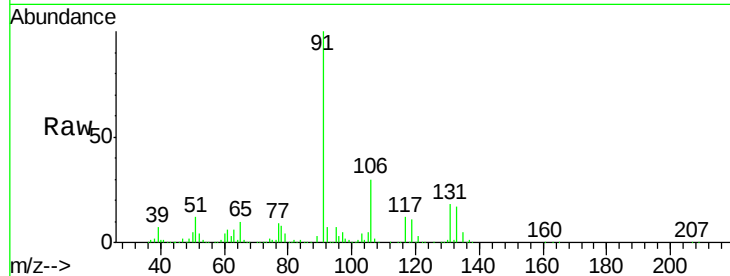
#67  
Ethyl Benzene  
Concen: 55.204 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 29.7  | 24.3  | 36.5  |

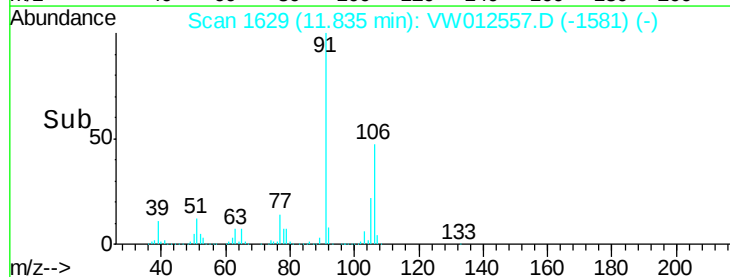
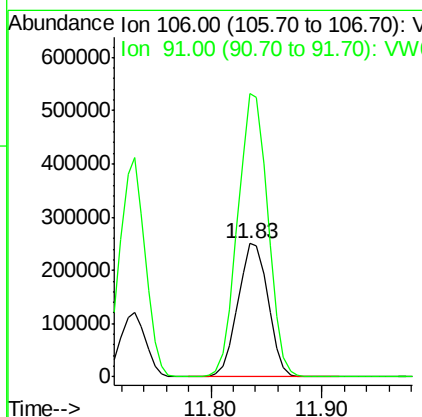
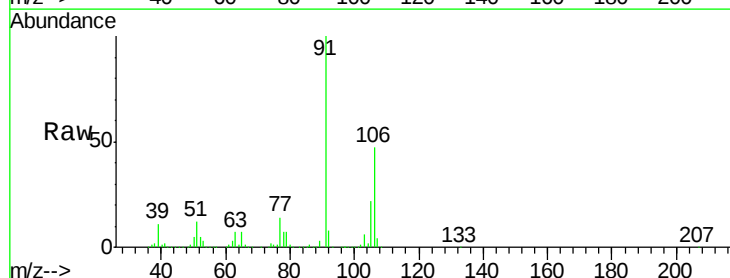
Manual Integrations  
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9/4/2019 9:55:51 AM



#68  
m/p-Xylenes  
Concen: 110.405 ug/l  
RT: 11.83 min Scan# 1629  
Delta R.T. -0.01 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 212.3 | 169.5 | 254.3 |





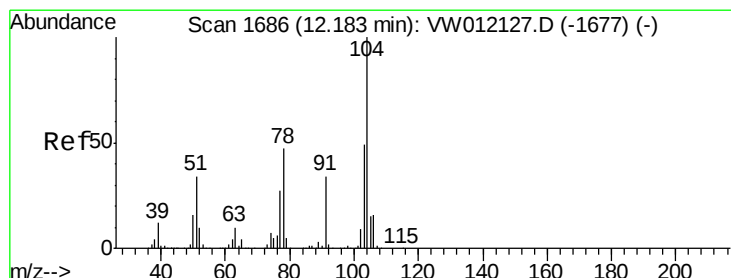
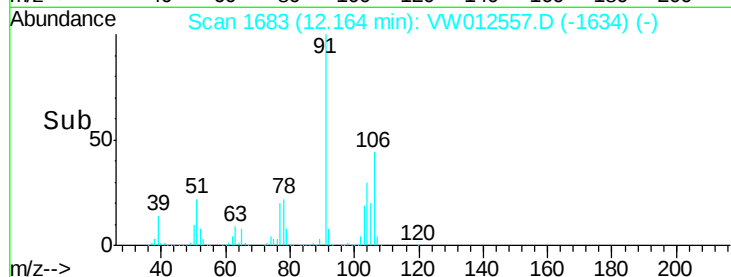
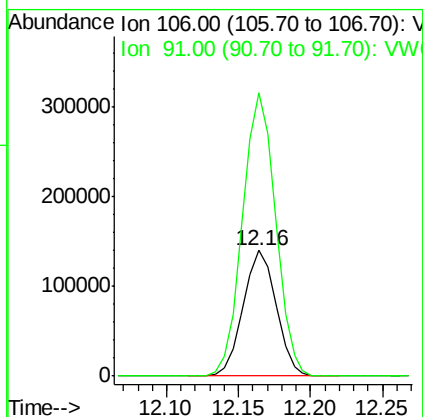
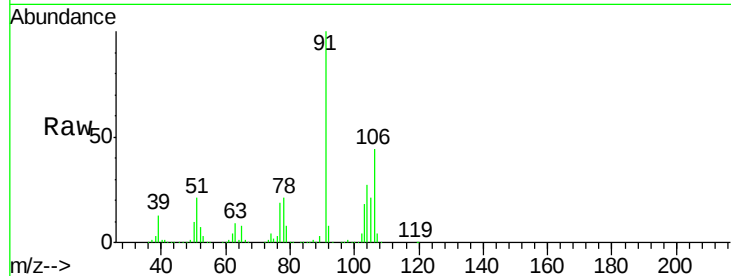
#69  
o-Xylene  
Concen: 56.385 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.00 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 222734 |       |       |
| 91      | 224.9 | 111.6 | 334.6  |       |       |

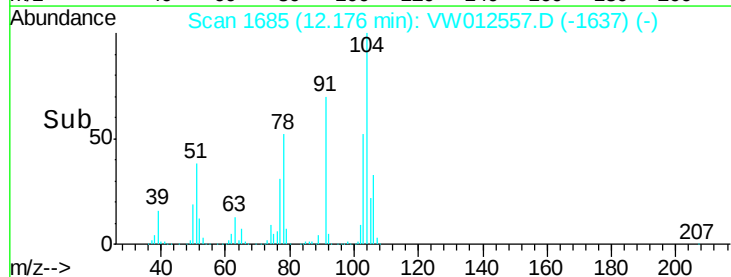
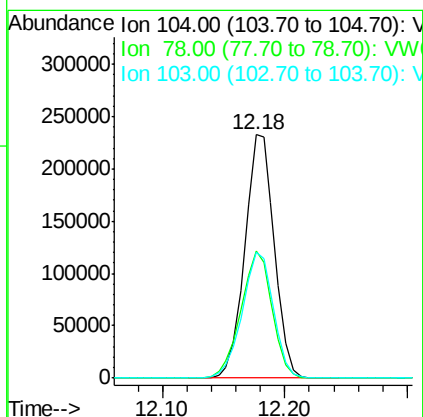
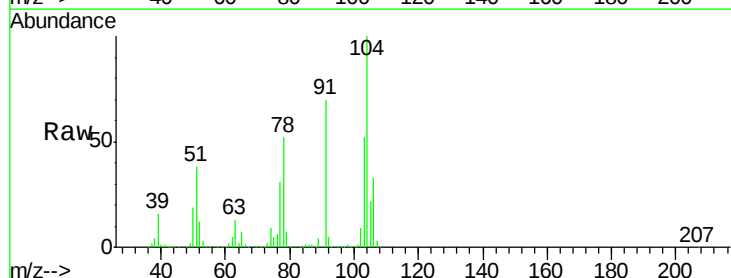
Manual Integrations  
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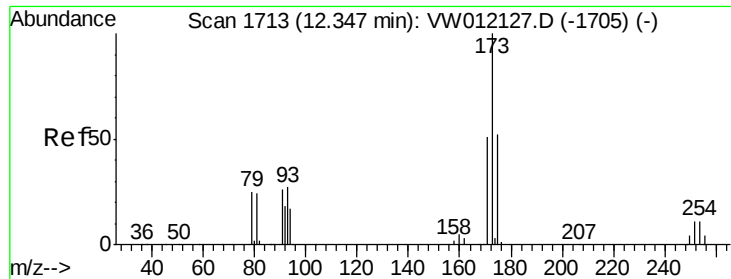
MMDadoda  
9/4/2019 9:55:51 AM



#70  
Styrene  
Concen: 56.969 ug/l  
RT: 12.18 min Scan# 1685  
Delta R.T. -0.01 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       | 389522 |       |       |
| 78      | 55.0 | 43.1  | 64.7   |       |       |
| 103     | 54.7 | 43.5  | 65.3   |       |       |





#71

Bromoform

Concen: 59.862 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA\_W

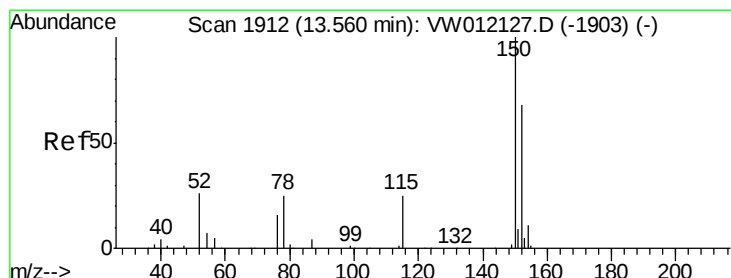
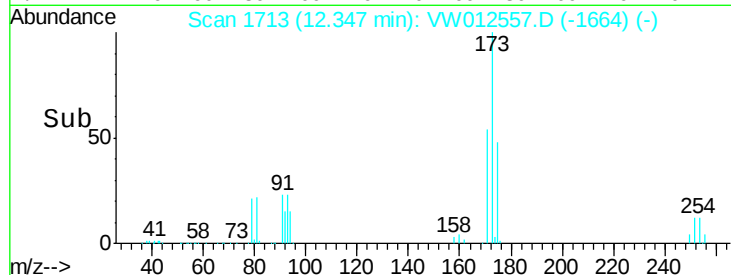
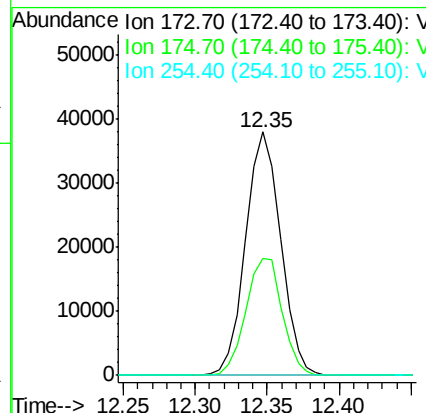
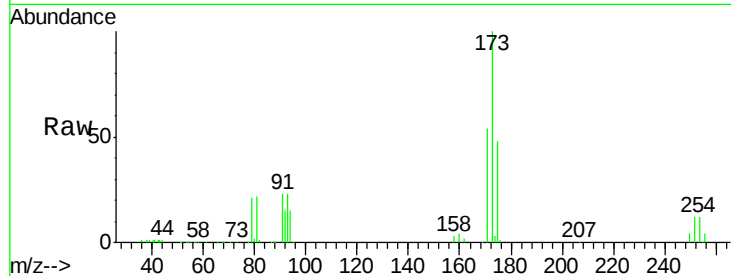
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 173   | Resp: | 63999 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 49.9  | 24.6  | 74.0  |
| 254       | 0.2   | 0.2   | 0.2   |

Manual Integrations  
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

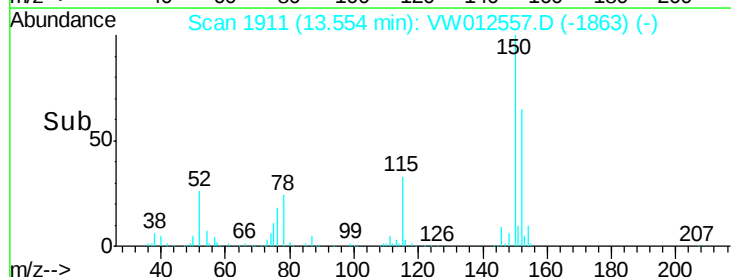
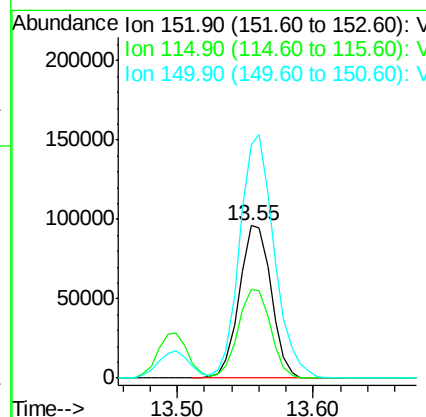
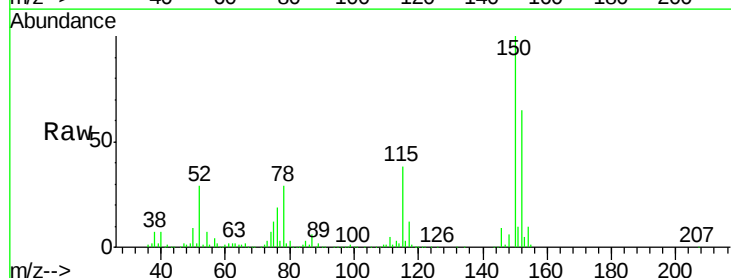
RT: 13.55 min Scan# 1911

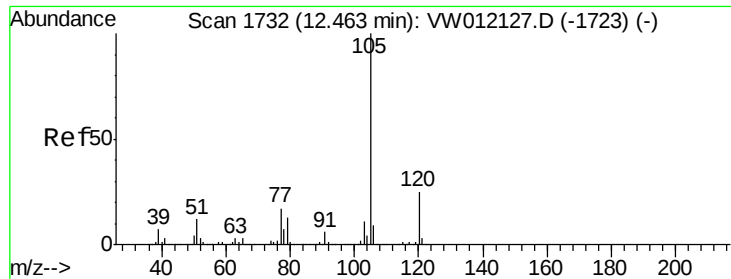
Delta R.T. -0.01 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 157207 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 59.2  | 30.1  | 90.3   |
| 150       | 172.5 | 0.0   | 345.8  |





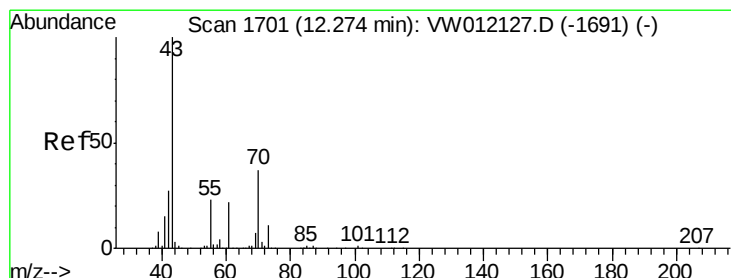
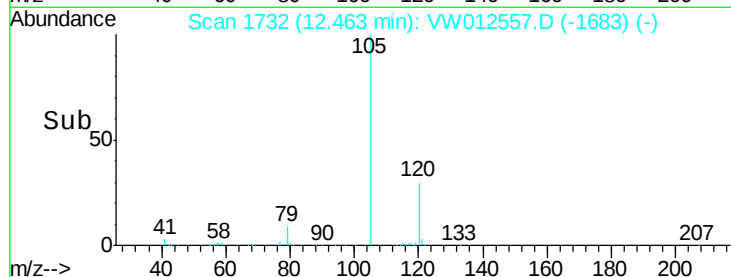
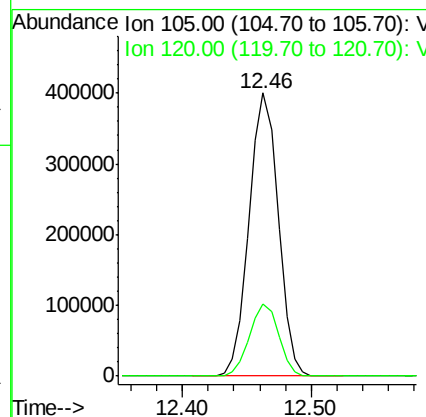
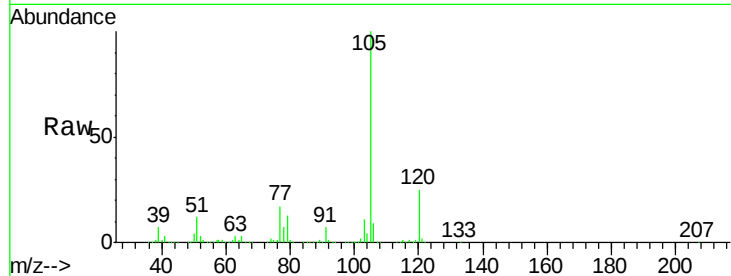
#73  
Isopropylbenzene  
Concen: 52.947 ug/l  
RT: 12.46 min Scan# 1732  
Delta R.T. -0.00 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 25.5  | 12.5  | 37.5  |

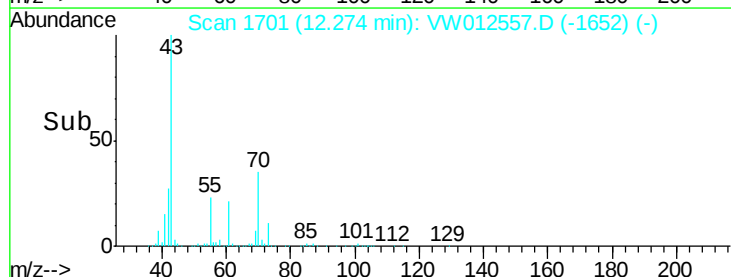
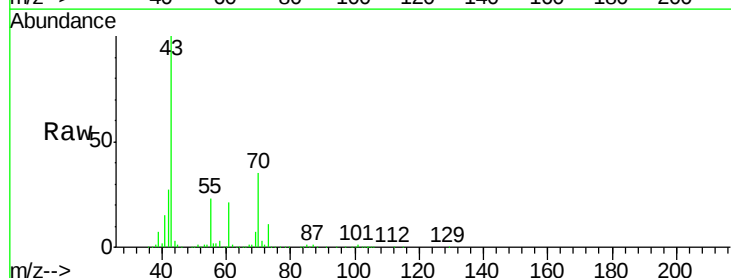
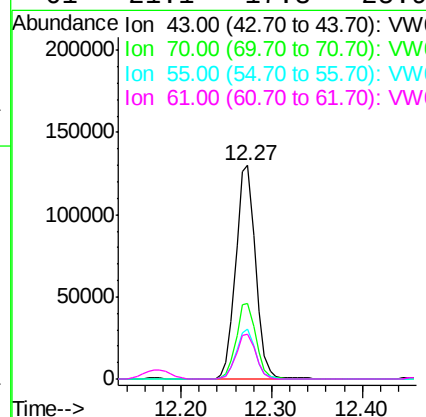
Manual Integrations  
APPROVED

MMDadoda  
9/4/2019 9:55:51 AM



#74  
N-ethyl acetate  
Concen: 55.299 ug/l  
RT: 12.27 min Scan# 1701  
Delta R.T. -0.00 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 35.4  | 28.6  | 43.0  |
| 55      | 22.8  | 17.8  | 26.6  |
| 61      | 21.1  | 17.3  | 25.9  |





#75

1,1,2,2-Tetrachloroethane

Concen: 54.113 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA\_W

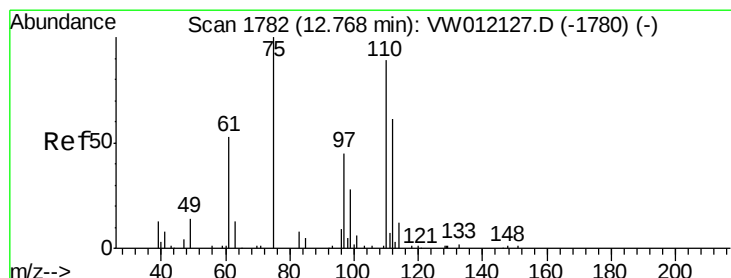
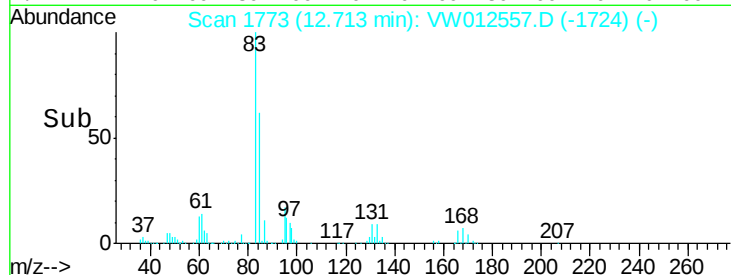
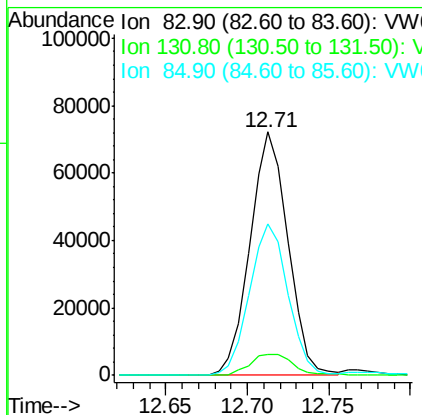
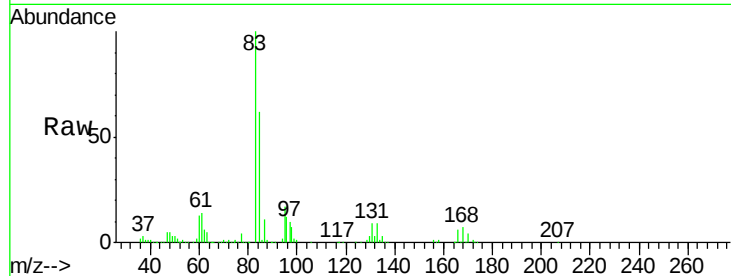
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 116861 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.2  | 4.9   | 14.7   |
| 85        | 63.0  | 31.9  | 95.7   |

Manual Integrations  
APPROVED

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9/4/2019 9:55:51 AM



#76

1,2,3-Trichloropropane

Concen: 51.610 ug/l m

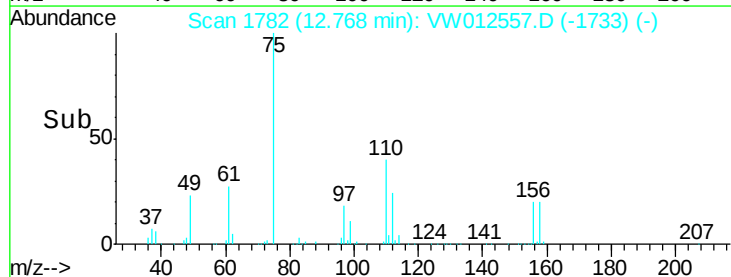
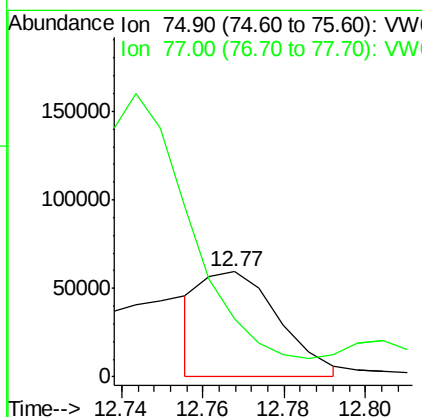
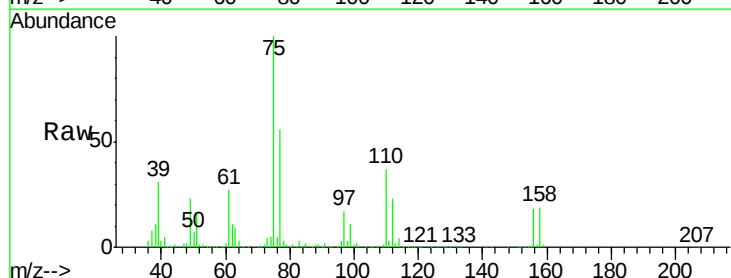
RT: 12.77 min Scan# 1782

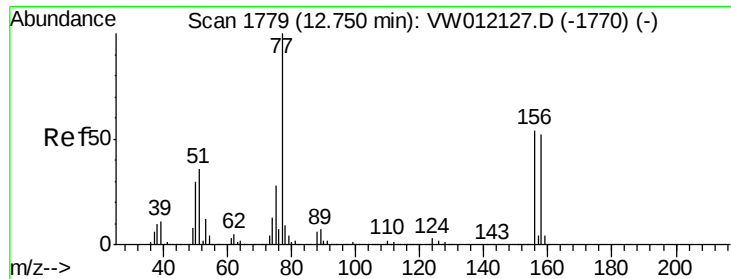
Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 79020 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 54.914 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 139944

Ion Ratio Lower Upper

156 100

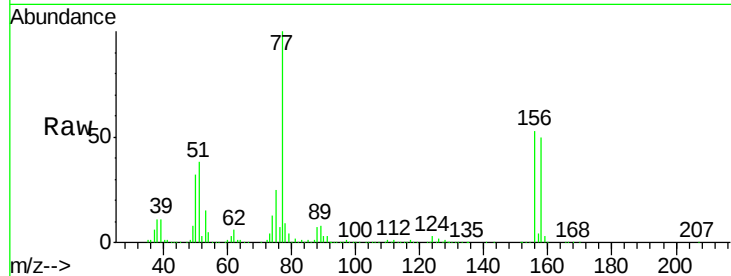
77 208.6 107.3 321.8

158 96.3 49.0 147.0

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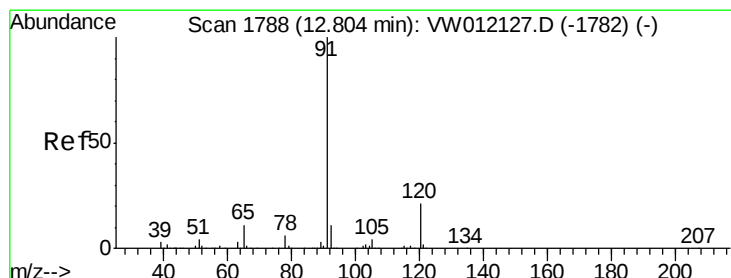
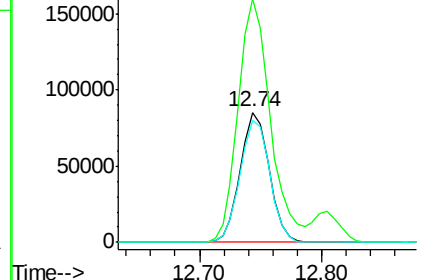
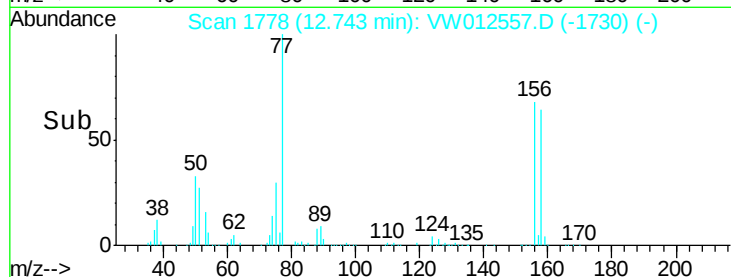
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.445 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012557.D

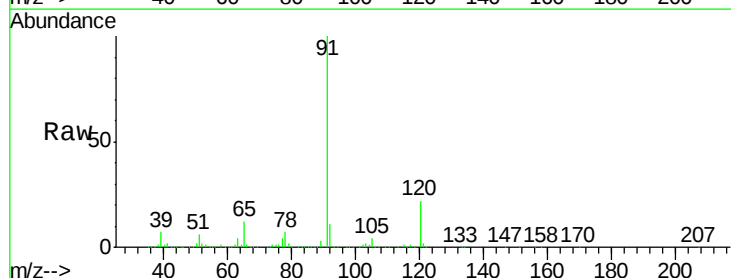
Acq: 03 Sep 2019 19:46

Tgt Ion: 91 Resp: 754187

Ion Ratio Lower Upper

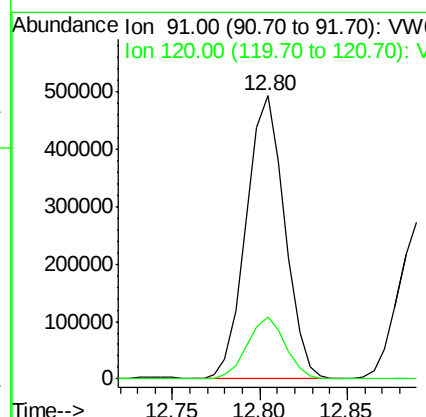
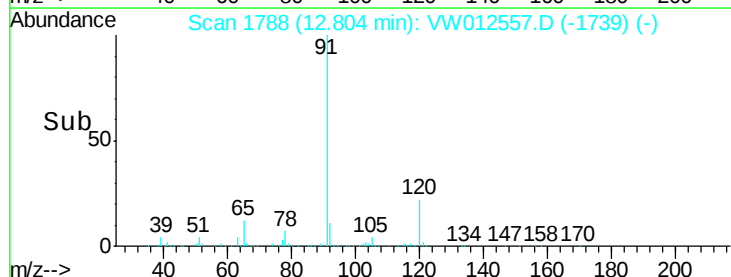
91 100

120 21.5 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.834 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 431367

Ion Ratio Lower Upper

91 100

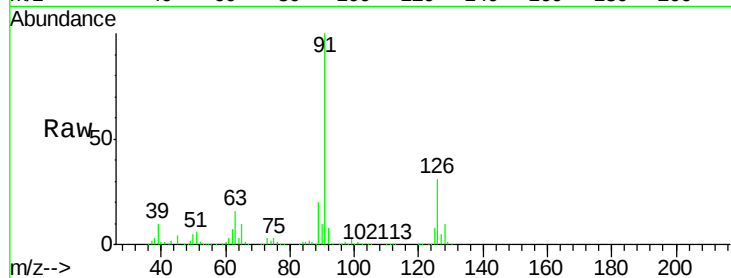
126 31.8 15.7 47.0

Manual Integrations

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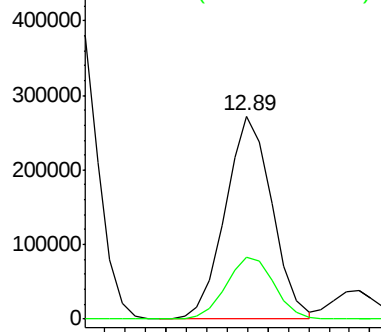
MMDadoda

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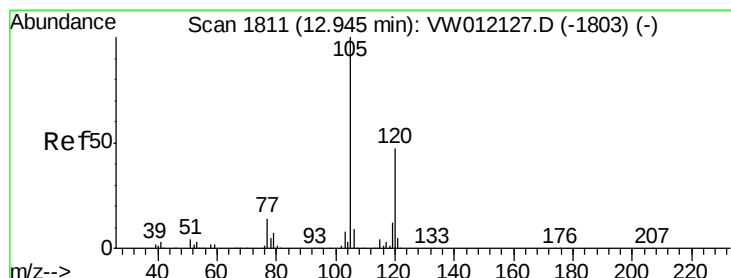
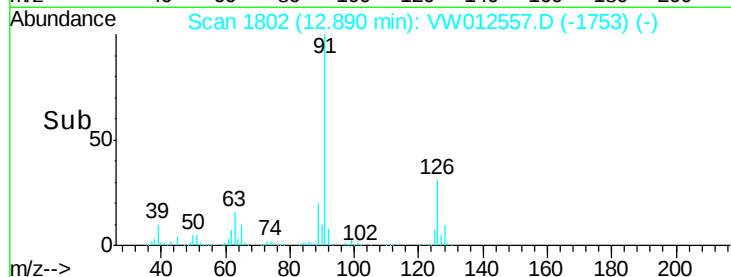


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.911 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012557.D

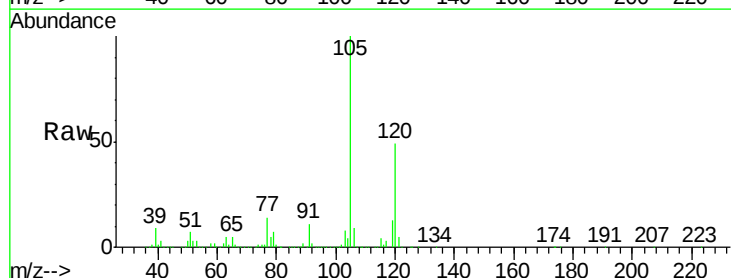
Acq: 03 Sep 2019 19:46

Tgt Ion:105 Resp: 530651

Ion Ratio Lower Upper

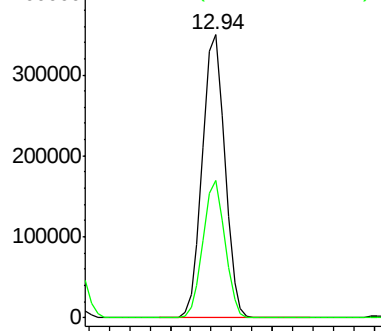
105 100

120 47.5 24.0 72.0

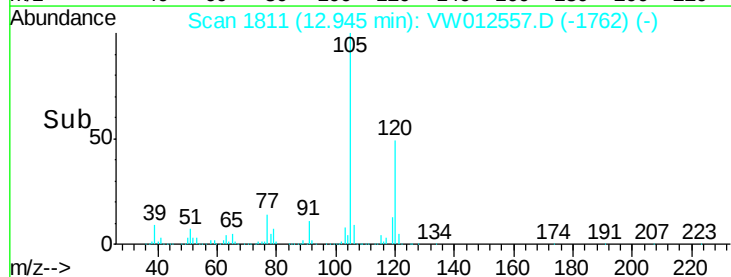


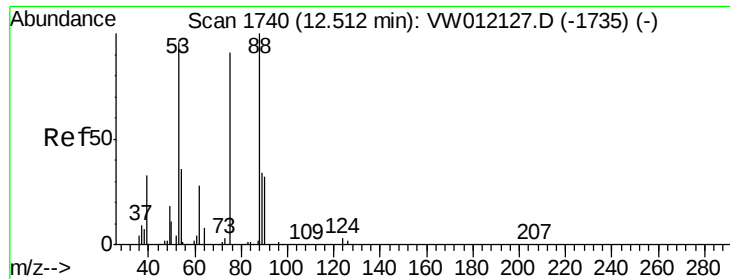
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





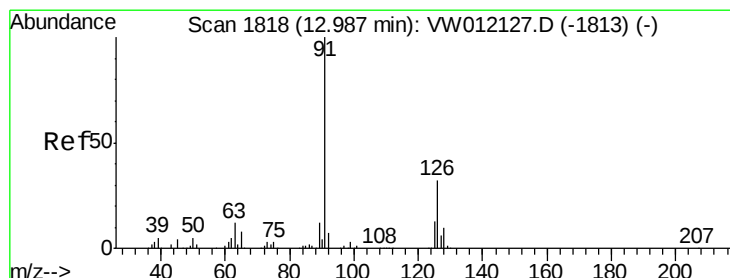
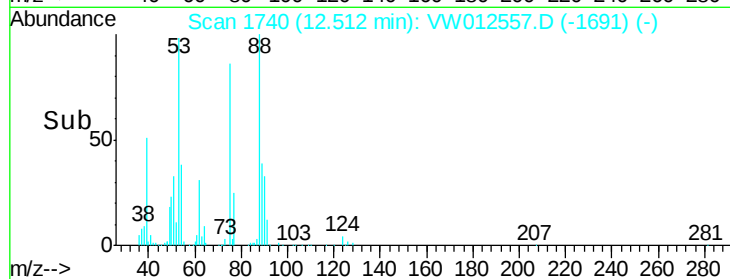
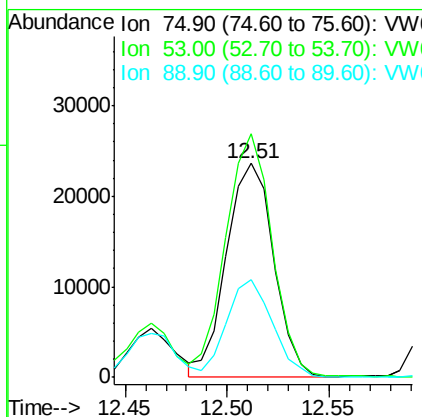
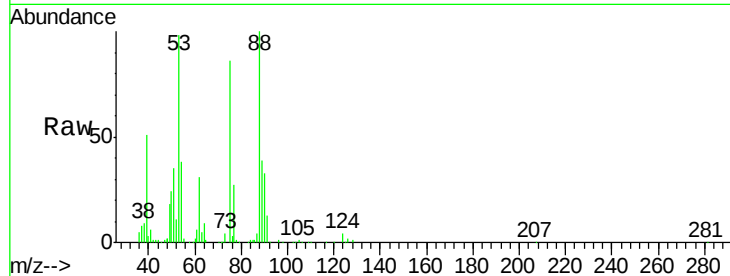
#81  
trans-1,4-Dichloro-2-butene  
Concen: 54.633 ug/l  
RT: 12.51 min Scan# 1740  
Delta R.T. -0.00 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 111.5 | 89.4  | 134.0 |
| 89      | 43.7  | 34.5  | 51.7  |

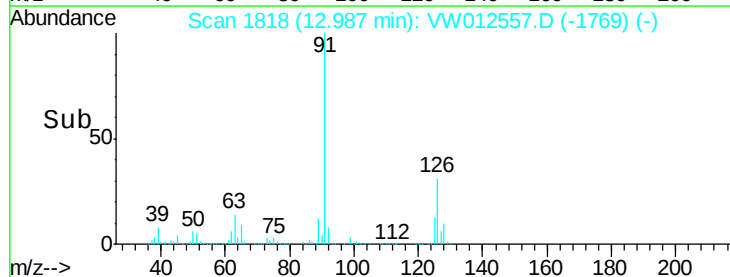
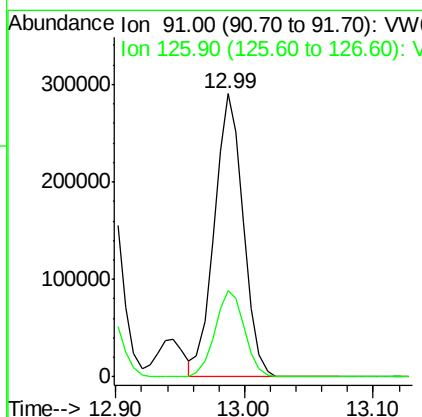
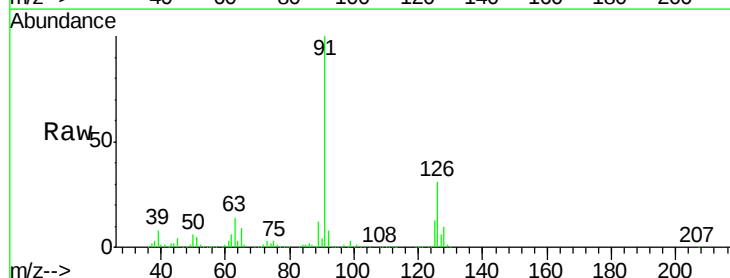
Manual Integrations  
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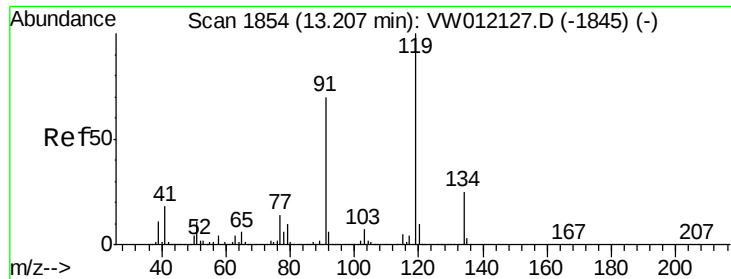
MMDadoda  
9/4/2019 9:55:51 AM



#82  
4-Chlorotoluene  
Concen: 53.442 ug/l  
RT: 12.99 min Scan# 1818  
Delta R.T. -0.00 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 31.1  | 15.6  | 46.8  |





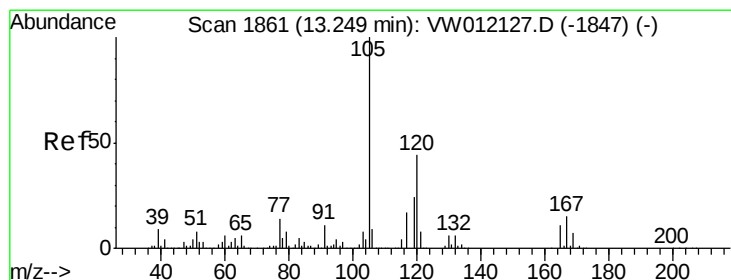
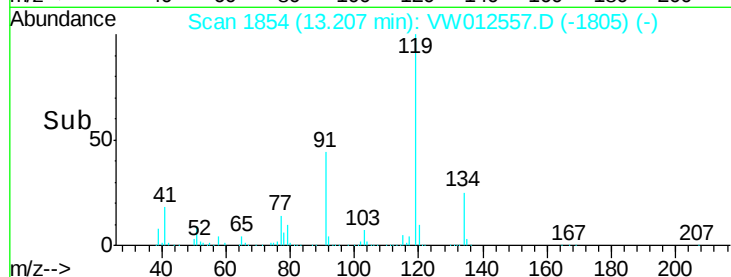
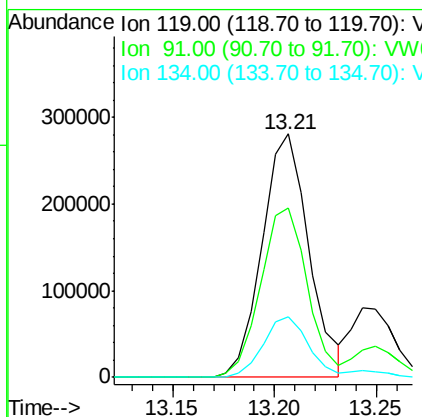
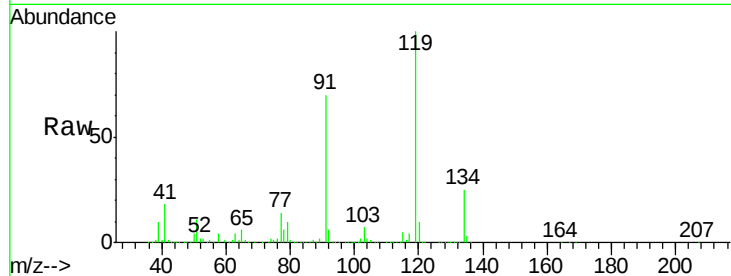
#83  
tert-Butylbenzene  
Concen: 53.977 ug/l  
RT: 13.21 min Scan# 1854  
Delta R.T. -0.00 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 69.5  | 34.8  | 104.3 |
| 134     | 24.6  | 13.3  | 39.8  |

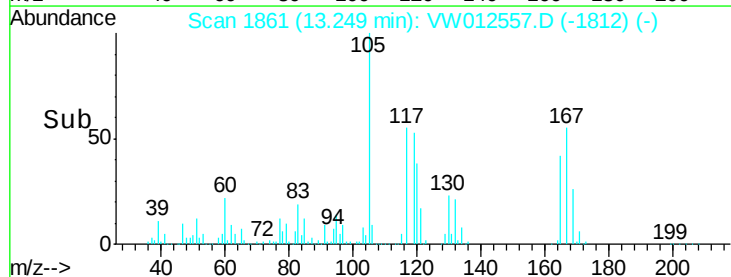
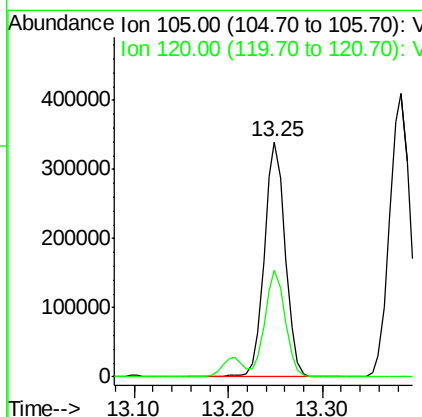
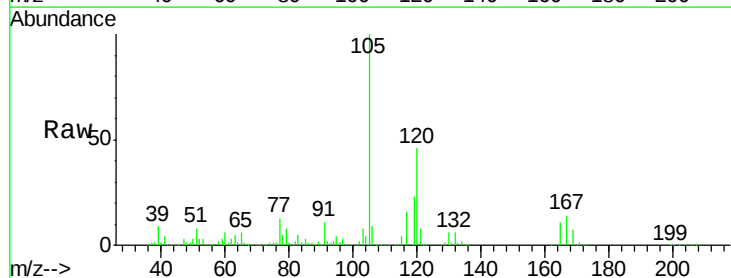
Manual Integrations  
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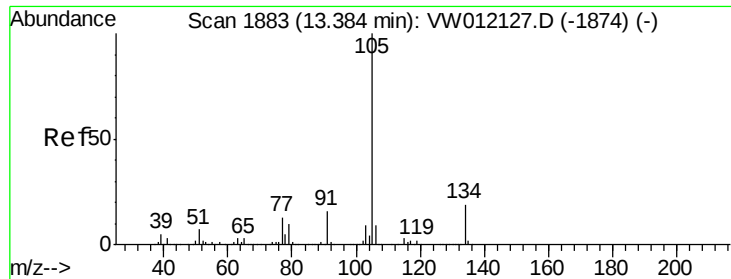
MMDadoda  
9/4/2019 9:55:51 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 53.557 ug/l  
RT: 13.25 min Scan# 1861  
Delta R.T. -0.00 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.6  | 21.9  | 65.7  |





#85

sec-Butylbenzene

Concen: 52.559 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 627854

Ion Ratio Lower Upper

105 100

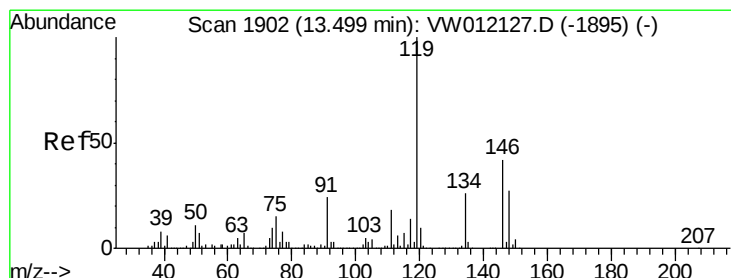
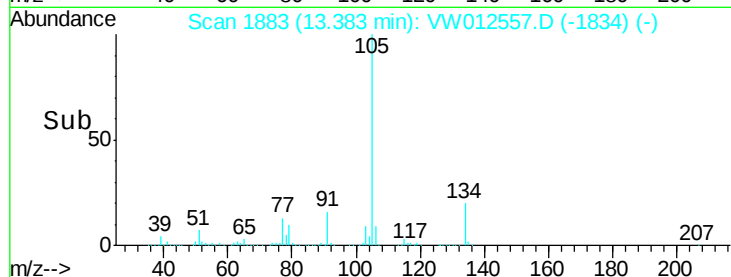
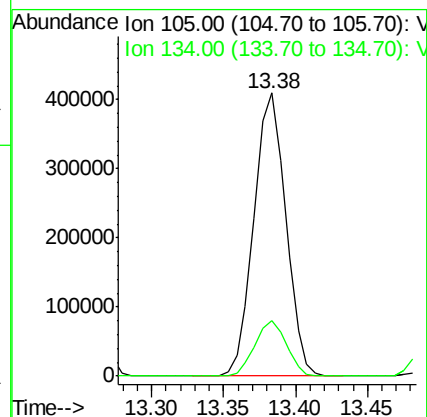
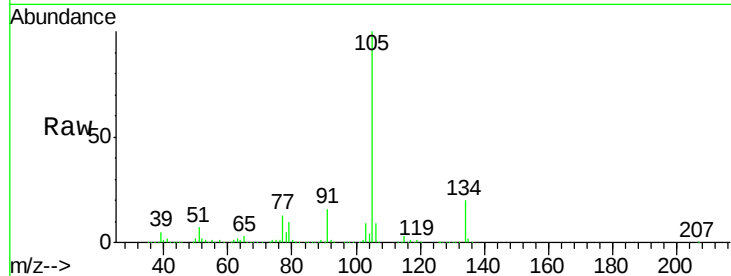
134 19.6 9.8 29.4

Manual Integrations

APPROVED

MMDadoda

9/4/2019 9:55:51 AM



#86

p-Isopropyltoluene

Concen: 53.671 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012557.D

Acq: 03 Sep 2019 19:46

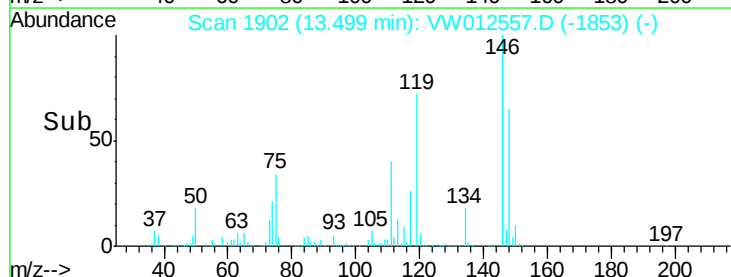
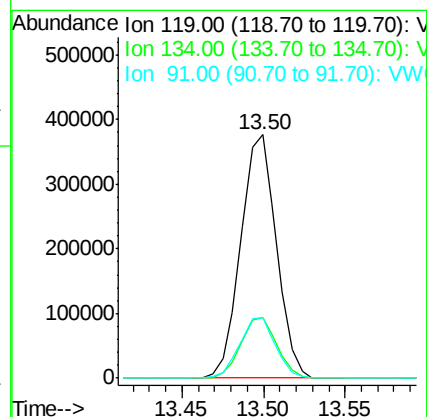
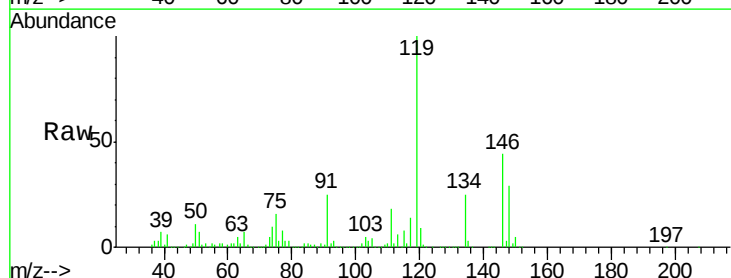
Tgt Ion:119 Resp: 572564

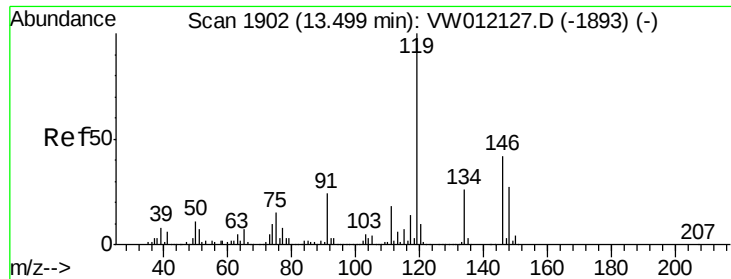
Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.3

91 24.9 12.3 36.9





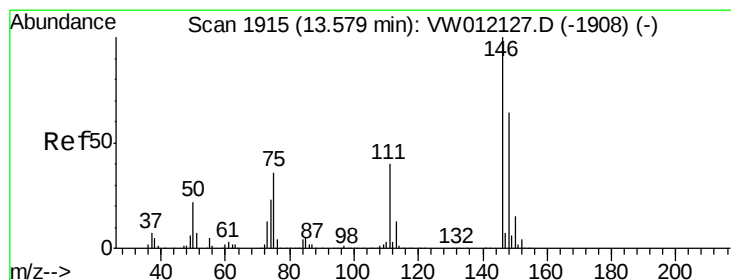
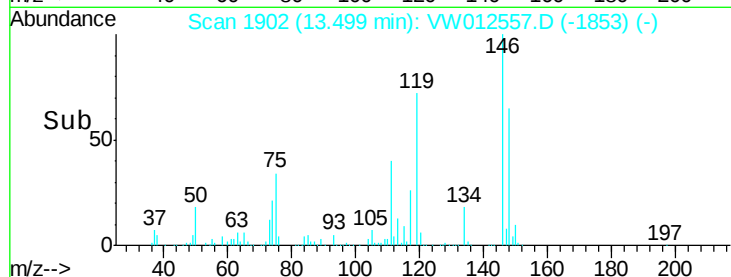
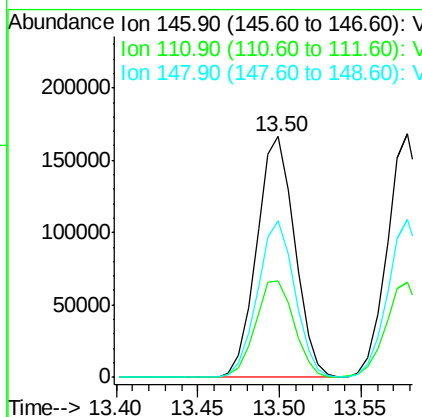
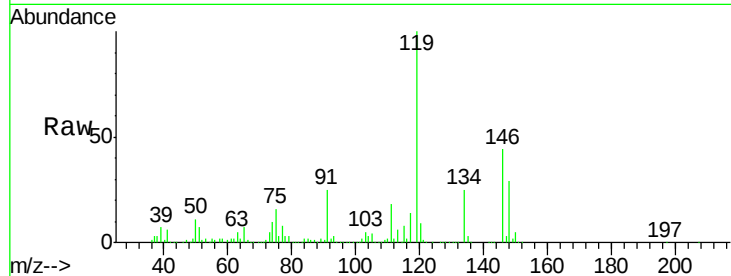
#87  
 1,3-Dichlorobenzene  
 Concen: 53.802 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: VW012557.D  
 Acq: 03 Sep 2019 19:46

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 268183 |       |       |
| 111     | 41.1  | 20.9   | 62.7  |       |
| 148     | 64.1  | 32.2   | 96.6  |       |

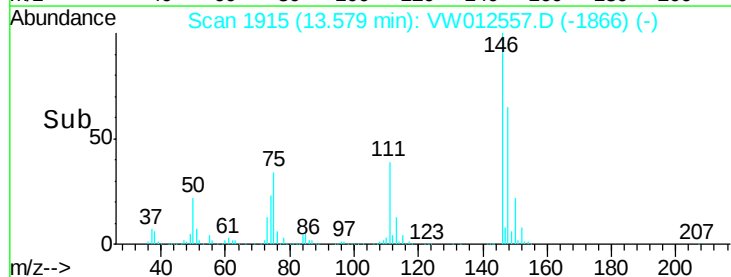
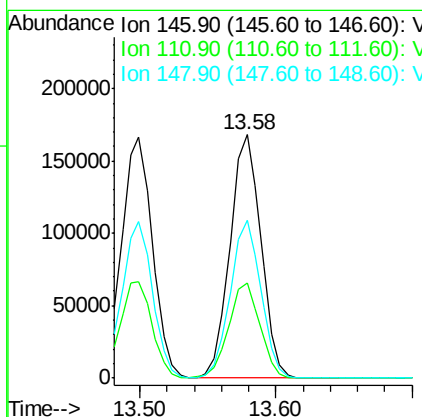
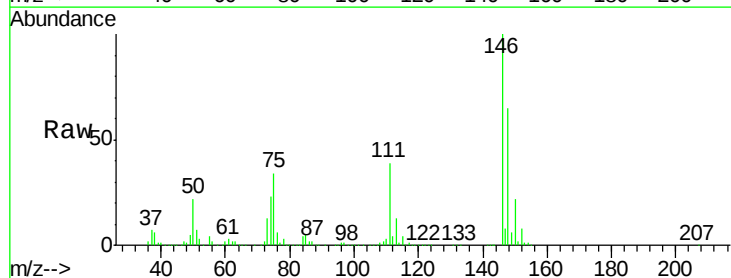
Manual Integrations  
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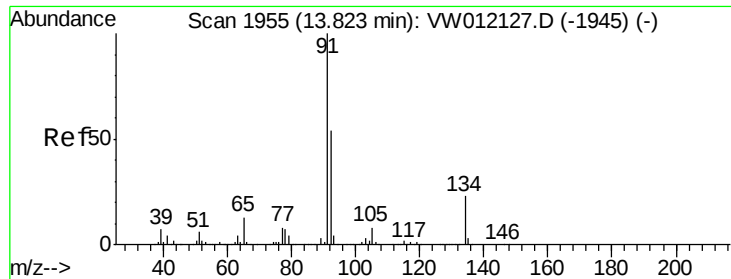
MMDadoda  
 9/4/2019 9:55:51 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 53.838 ug/l  
 RT: 13.58 min Scan# 1915  
 Delta R.T. -0.00 min  
 Lab File: VW012557.D  
 Acq: 03 Sep 2019 19:46

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 266462 |       |       |
| 111     | 39.8  | 20.0   | 60.0  |       |
| 148     | 64.2  | 32.1   | 96.3  |       |





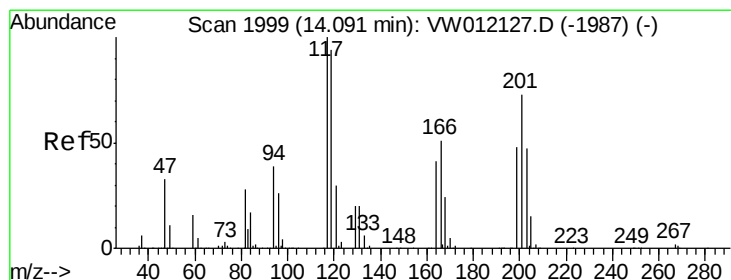
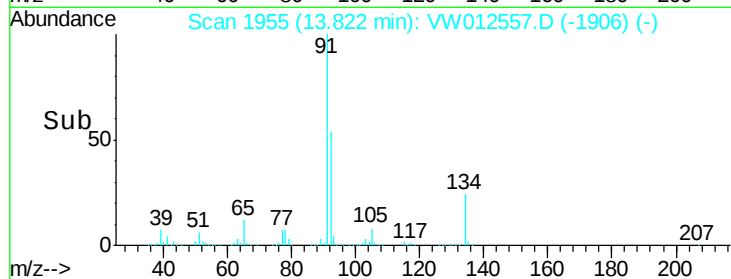
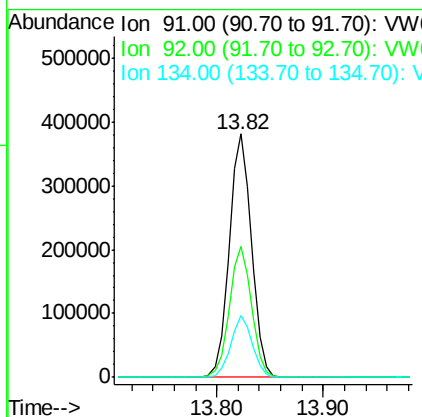
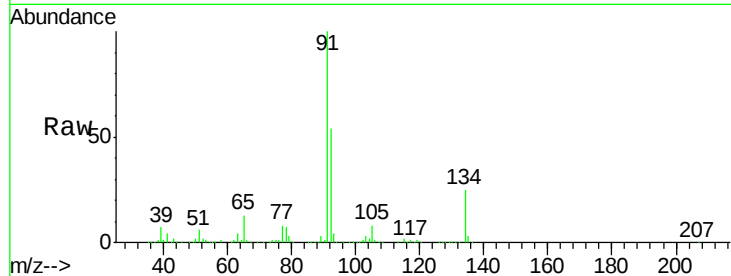
#89  
n-Butylbenzene  
Concen: 52.544 ug/l  
RT: 13.82 min Scan# 1955  
Delta R.T. -0.00 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.6  | 27.1  | 81.2  |
| 134     | 24.5  | 12.2  | 36.4  |

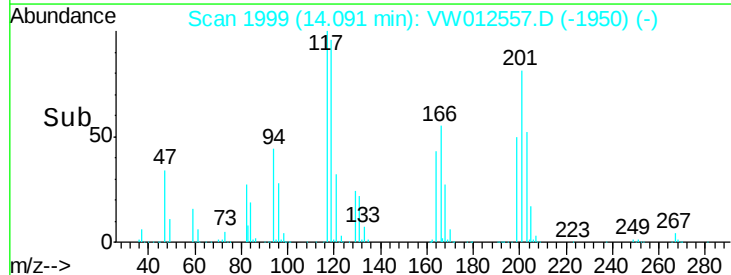
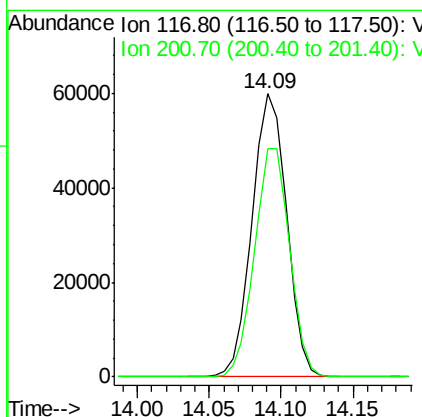
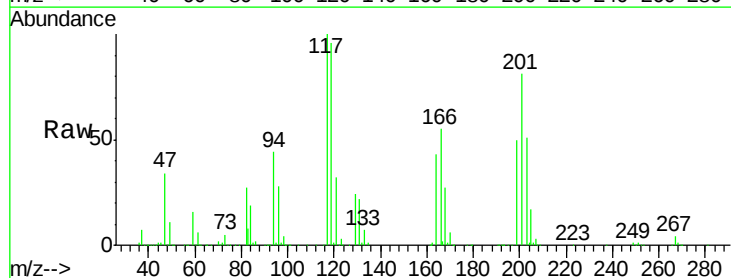
Manual Integrations  
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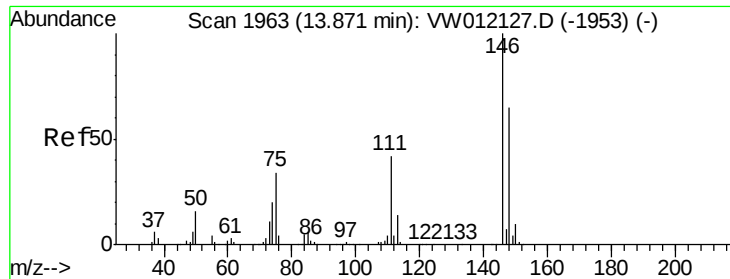
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#90  
Hexachloroethane  
Concen: 53.058 ug/l  
RT: 14.09 min Scan# 1999  
Delta R.T. -0.00 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 82.1  | 38.6  | 115.7 |





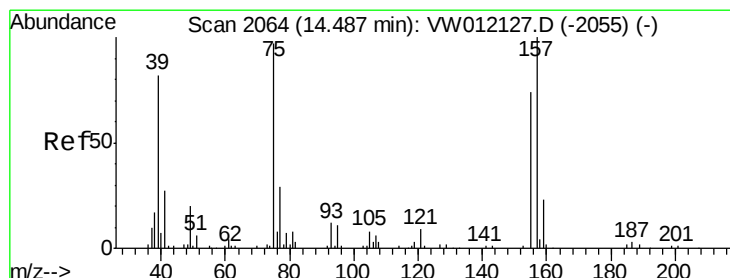
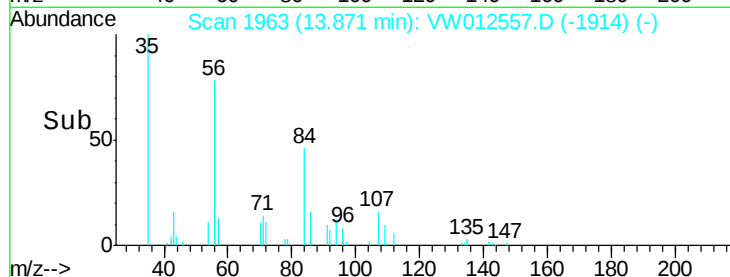
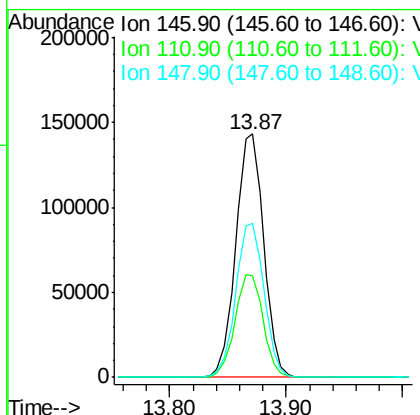
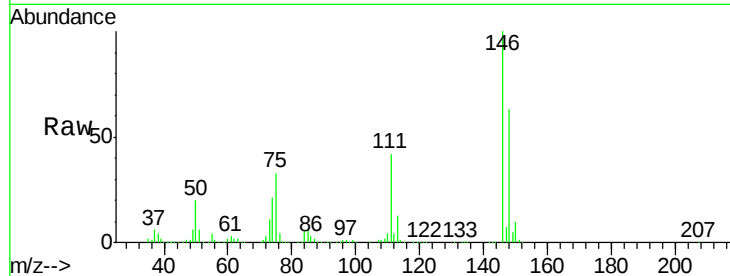
#91  
 1,2-Dichlorobenzene  
 Concen: 54.792 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. -0.00 min  
 Lab File: VW012557.D  
 Acq: 03 Sep 2019 19:46

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 239593 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 42.7  | 21.2  | 63.6   |
| 148       | 64.2  | 32.5  | 97.4   |

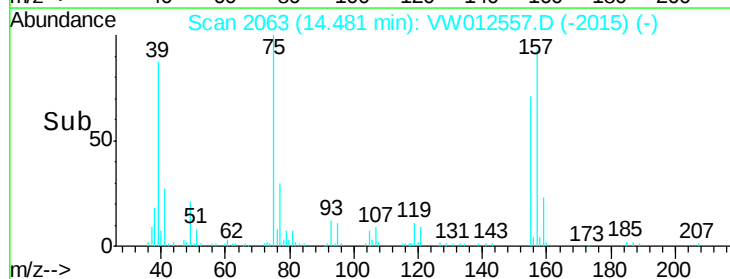
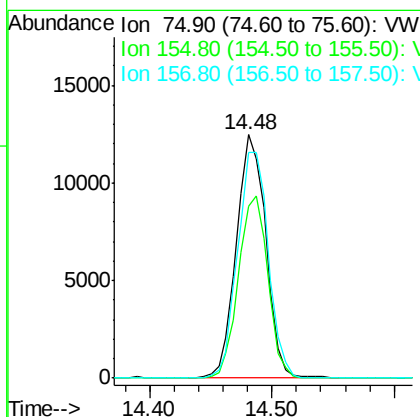
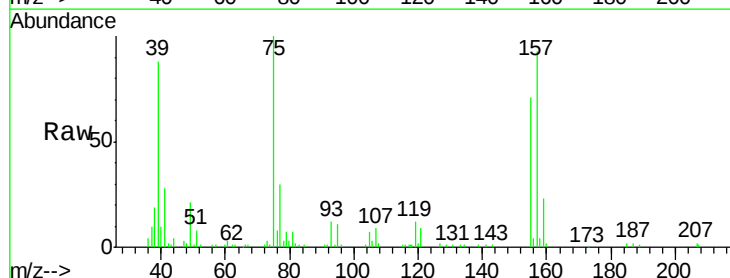
Manual Integrations  
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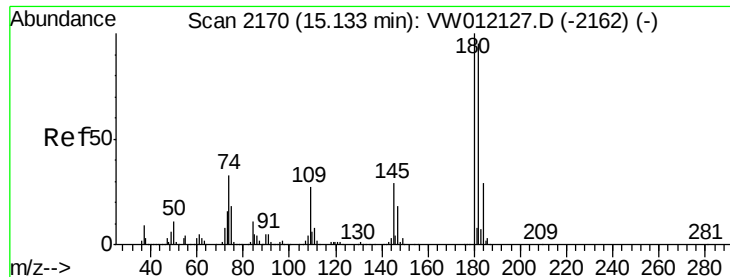
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 57.146 ug/l  
 RT: 14.48 min Scan# 2063  
 Delta R.T. -0.01 min  
 Lab File: VW012557.D  
 Acq: 03 Sep 2019 19:46

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 20805 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 74.7  | 37.5  | 112.3 |
| 157       | 96.9  | 50.5  | 151.5 |





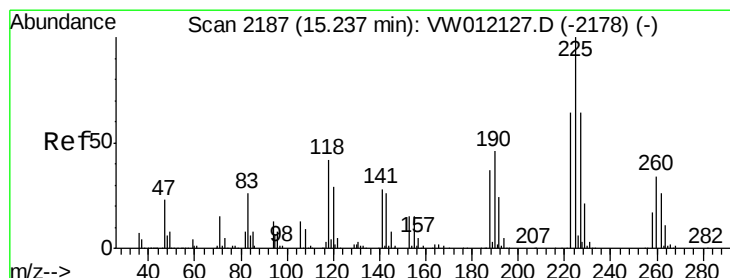
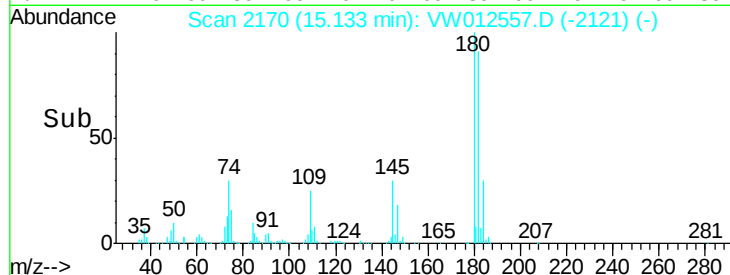
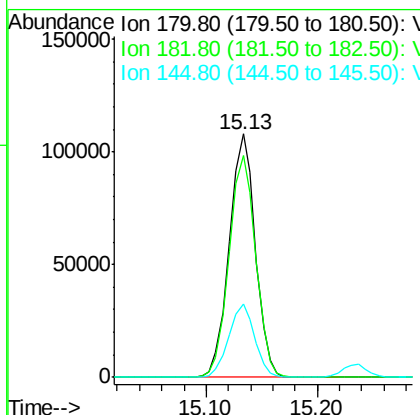
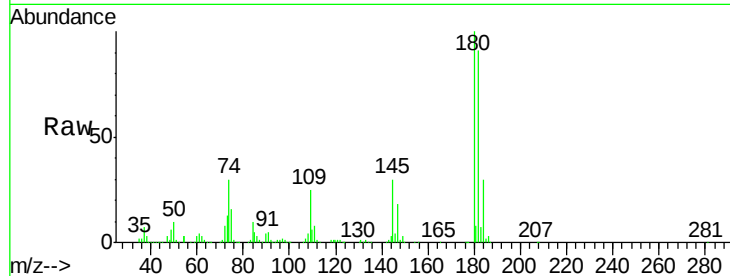
#93  
 1,2,4-Trichlorobenzene  
 Concen: 57.697 ug/l  
 RT: 15.13 min Scan# 2170  
 Delta R.T. -0.00 min  
 Lab File: VW012557.D  
 Acq: 03 Sep 2019 19:46

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 174354 |       |       |
| 182     | 93.0  | 47.8   | 143.4 |       |
| 145     | 30.0  | 15.0   | 45.1  |       |

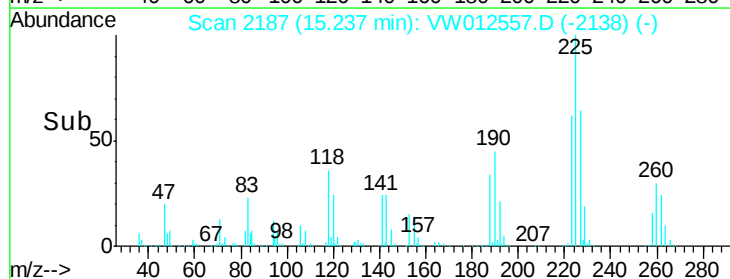
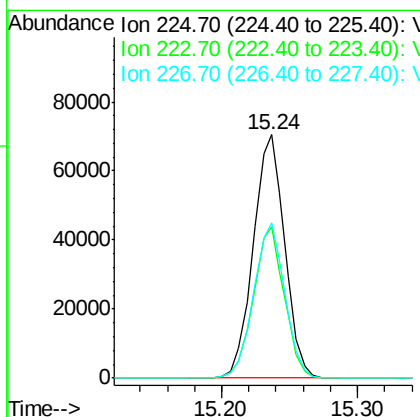
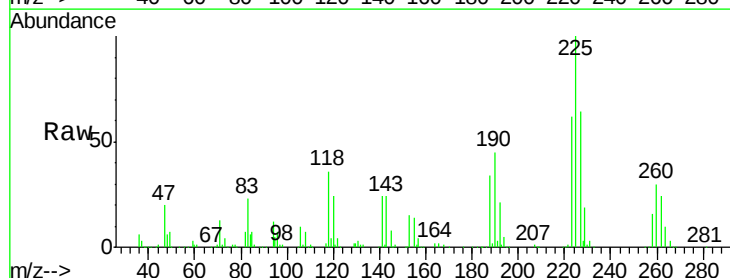
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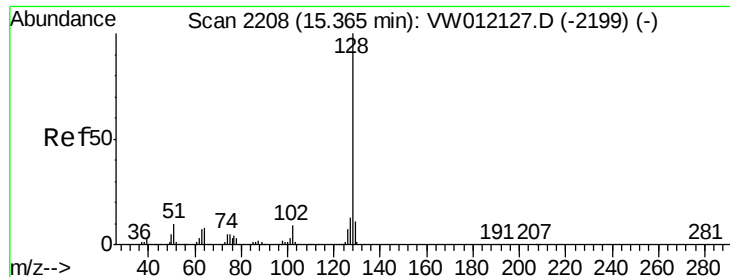
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 9/4/2019 9:55:51 AM



#94  
 Hexachlorobutadiene  
 Concen: 57.092 ug/l  
 RT: 15.24 min Scan# 2187  
 Delta R.T. -0.00 min  
 Lab File: VW012557.D  
 Acq: 03 Sep 2019 19:46

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 113919 |       |       |
| 223     | 61.0  | 32.3   | 96.8  |       |
| 227     | 63.5  | 32.9   | 98.6  |       |





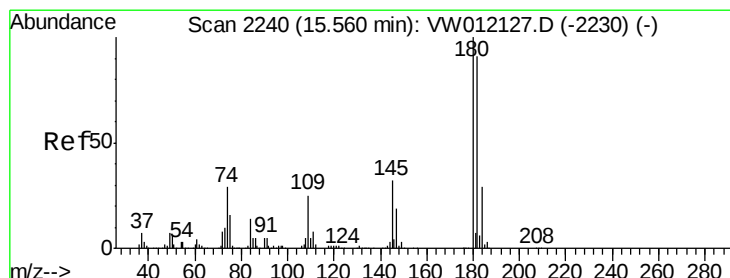
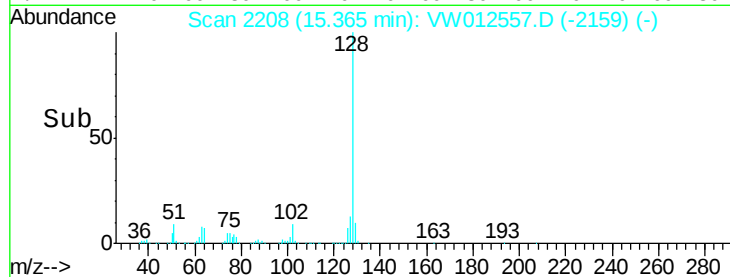
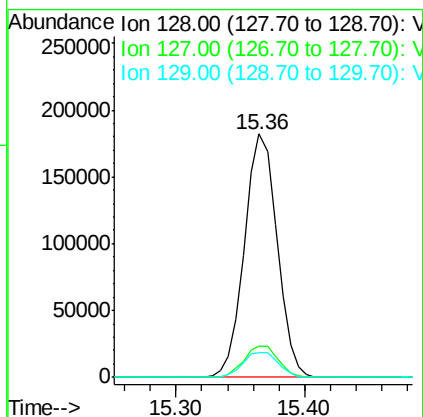
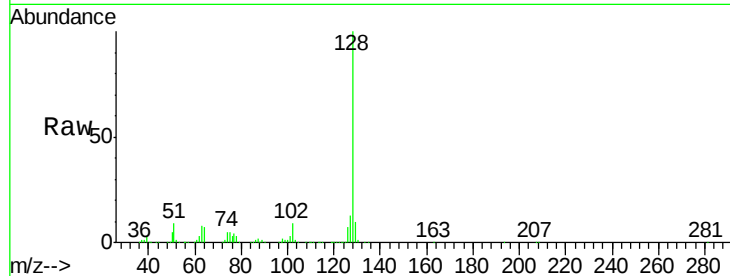
#95  
Naphthalene  
Concen: 53.515 ug/l  
RT: 15.36 min Scan# 2208  
Delta R.T. 0.00 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 128     | 100  |       | 319306 |       |       |
| 127     | 13.5 |       | 10.7   | 16.1  |       |
| 129     | 11.2 |       | 8.7    | 13.1  |       |

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#96  
1,2,3-Trichlorobenzene  
Concen: 57.526 ug/l  
RT: 15.55 min Scan# 2239  
Delta R.T. -0.01 min  
Lab File: VW012557.D  
Acq: 03 Sep 2019 19:46

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 180     | 100  |       | 151669 |       |       |
| 182     | 95.5 |       | 47.1   | 141.3 |       |
| 145     | 32.1 |       | 16.2   | 48.5  |       |

