

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091619\  
 Data File : VW013076.D  
 Acq On : 17 Sep 2019 07:57  
 Operator : SY/VA  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 9/18/2019 2:01:38 PM

Quant Time: Sep 17 08:56:59 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W091419S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 13 17:26:01 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 261729   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 418417   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 375544   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 187322   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 145166   | 60.05 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 120.10% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 121307   | 53.43 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.86% |      |
| 50) Toluene-d8            | 10.32  | 98  | 471967   | 53.12 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.24% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 173891   | 54.43 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.86% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 43271   | 42.524  | ug/l   | 97     |
| 3) Chloromethane              | 2.21 | 50  | 69253   | 55.523  | ug/l   | 97     |
| 4) Vinyl Chloride             | 2.36 | 62  | 84593   | 45.155  | ug/l   | 99     |
| 5) Bromomethane               | 2.76 | 94  | 53400   | 46.677  | ug/l   | 93     |
| 6) Chloroethane               | 2.91 | 64  | 56571   | 49.236  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 3.25 | 101 | 49692   | 37.932  | ug/l   | 96     |
| 8) Diethyl Ether              | 3.67 | 74  | 60771   | 59.409  | ug/l   | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 91880   | 46.242  | ug/l   | 98     |
| 10) Methyl Iodide             | 4.27 | 142 | 133793  | 53.806  | ug/l   | 97     |
| 11) Tert butyl alcohol        | 5.18 | 59  | 59698   | 376.709 | ug/l   | 99     |
| 12) 1,1-Dichloroethene        | 4.04 | 96  | 84020   | 46.507  | ug/l   | 96     |
| 13) Acrolein                  | 3.89 | 56  | 55280   | 311.951 | ug/l   | 97     |
| 14) Allyl chloride            | 4.67 | 41  | 183511  | 53.506  | ug/l   | 94     |
| 15) Acrylonitrile             | 5.37 | 53  | 184081  | 352.340 | ug/l   | 99     |
| 16) Acetone                   | 4.12 | 43  | 145444  | 279.607 | ug/l   | 97     |
| 17) Carbon Disulfide          | 4.38 | 76  | 151130  | 41.978  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.67 | 43  | 101725  | 73.865  | ug/l   | 97     |
| 19) Methyl tert-butyl Ether   | 5.42 | 73  | 229632  | 64.392  | ug/l   | 95     |
| 20) Methylene Chloride        | 4.92 | 84  | 117446  | 61.314  | ug/l   | 96     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 100665  | 52.025  | ug/l   | 94     |
| 22) Diisopropyl ether         | 6.31 | 45  | 450502  | 63.228  | ug/l   | 95     |
| 23) Vinyl Acetate             | 6.25 | 43  | 1342315 | 314.548 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 227867  | 55.468  | ug/l   | 99     |
| 25) 2-Butanone                | 7.17 | 43  | 250964  | 326.508 | ug/l   | 100    |
| 26) 2,2-Dichloropropane       | 7.17 | 77  | 118691  | 45.101  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 132072  | 57.013  | ug/l   | 97     |
| 28) Bromochloromethane        | 7.51 | 49  | 104600  | 60.495  | ug/l # | 100    |
| 29) Tetrahydrofuran           | 7.52 | 42  | 160685  | 366.902 | ug/l   | 98     |
| 30) Chloroform                | 7.67 | 83  | 233328  | 55.899  | ug/l   | 95     |
| 31) Cyclohexane               | 7.95 | 56  | 154875  | 50.243  | ug/l   | 96     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 170743  | 49.671  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 148994  | 44.562  | ug/l   | 98     |
| 37) Ethyl Acetate             | 7.25 | 43  | 112286  | 63.271  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 146884  | 42.869  | ug/l   | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091619\  
 Data File : VW013076.D  
 Acq On : 17 Sep 2019 07:57  
 Operator : SY/VA  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 9/18/2019 2:01:38 PM

Quant Time: Sep 17 08:56:59 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W091419S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 13 17:26:01 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 163156   | 44.532   | ug/l   | 97       |
| 40) Benzene                    | 8.32  | 78   | 464479   | 49.762   | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.48  | 41   | 69438    | 59.415   | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 163247   | 52.173   | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.42  | 43   | 210951   | 61.908   | ug/l   | 98       |
| 44) Trichloroethene            | 9.09  | 130  | 122081   | 47.750   | ug/l   | 93       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 134772   | 54.346   | ug/l   | 97       |
| 46) Dibromomethane             | 9.46  | 93   | 66820    | 56.240   | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.64  | 83   | 176518   | 52.966   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.43  | 41   | 100240   | 62.682   | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.46  | 88   | 26278    | 1319.949 | ug/l # | 75       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 569925   | 323.967  | ug/l   | 99       |
| 52) Toluene                    | 10.39 | 92   | 300136   | 50.603   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 177175   | 52.861   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 200522   | 52.287   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 106534   | 58.860   | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 154660   | 63.483   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 184900   | 57.588   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 403001   | 308.368  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.97 | 43   | 383050   | 312.706  | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.13 | 129  | 120885   | 55.243   | ug/l   | 96       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 97721    | 59.185   | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.86 | 164  | 117596   | 52.636   | ug/l   | 93       |
| 65) Chlorobenzene              | 11.66 | 112  | 337273   | 50.420   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 130931   | 51.076   | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.73 | 91   | 612593   | 49.585   | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.84 | 106  | 446803   | 98.999   | ug/l   | 99       |
| 69) o-Xylene                   | 12.16 | 106  | 215426   | 50.913   | ug/l   | 99       |
| 70) Styrene                    | 12.18 | 104  | 391471   | 52.010   | ug/l   | 99       |
| 71) Bromoform                  | 12.35 | 173  | 74190    | 55.098   | ug/l   | 98       |
| 73) Isopropylbenzene           | 12.46 | 105  | 606778   | 48.870   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.27 | 43   | 194615   | 60.932   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 128643   | 58.990   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 84018m   | 51.206   | ug/l   |          |
| 77) Bromobenzene               | 12.74 | 156  | 149977   | 52.433   | ug/l   | 99       |
| 78) n-propylbenzene            | 12.80 | 91   | 696219   | 47.669   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 419818   | 50.003   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 513251   | 48.862   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 38394    | 53.082   | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 440456   | 49.721   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 457482   | 48.691   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 519708   | 50.069   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.38 | 105  | 609389   | 47.605   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 568359   | 48.360   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 281300   | 49.679   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 280444   | 50.399   | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.82 | 91   | 522107   | 47.106   | ug/l   | 100      |
| 90) Hexachloroethane           | 14.09 | 117  | 103041   | 48.924   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 261463   | 52.508   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.48 | 75   | 22732    | 56.948   | ug/l   | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091619\  
Data File : VW013076.D  
Acq On : 17 Sep 2019 07:57  
Operator : SY/VA  
Sample : VSTDCCC050  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 51 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

MMDadoda  
9/18/2019 2:01:38 PM

Quant Time: Sep 17 08:56:59 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W091419S.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 13 17:26:01 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.13 | 180  | 184535   | 51.964 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 117106   | 46.582 | ug/l  | 98       |
| 95) Naphthalene            | 15.36 | 128  | 364725   | 61.467 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.55 | 180  | 165652   | 52.769 | ug/l  | 98       |

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

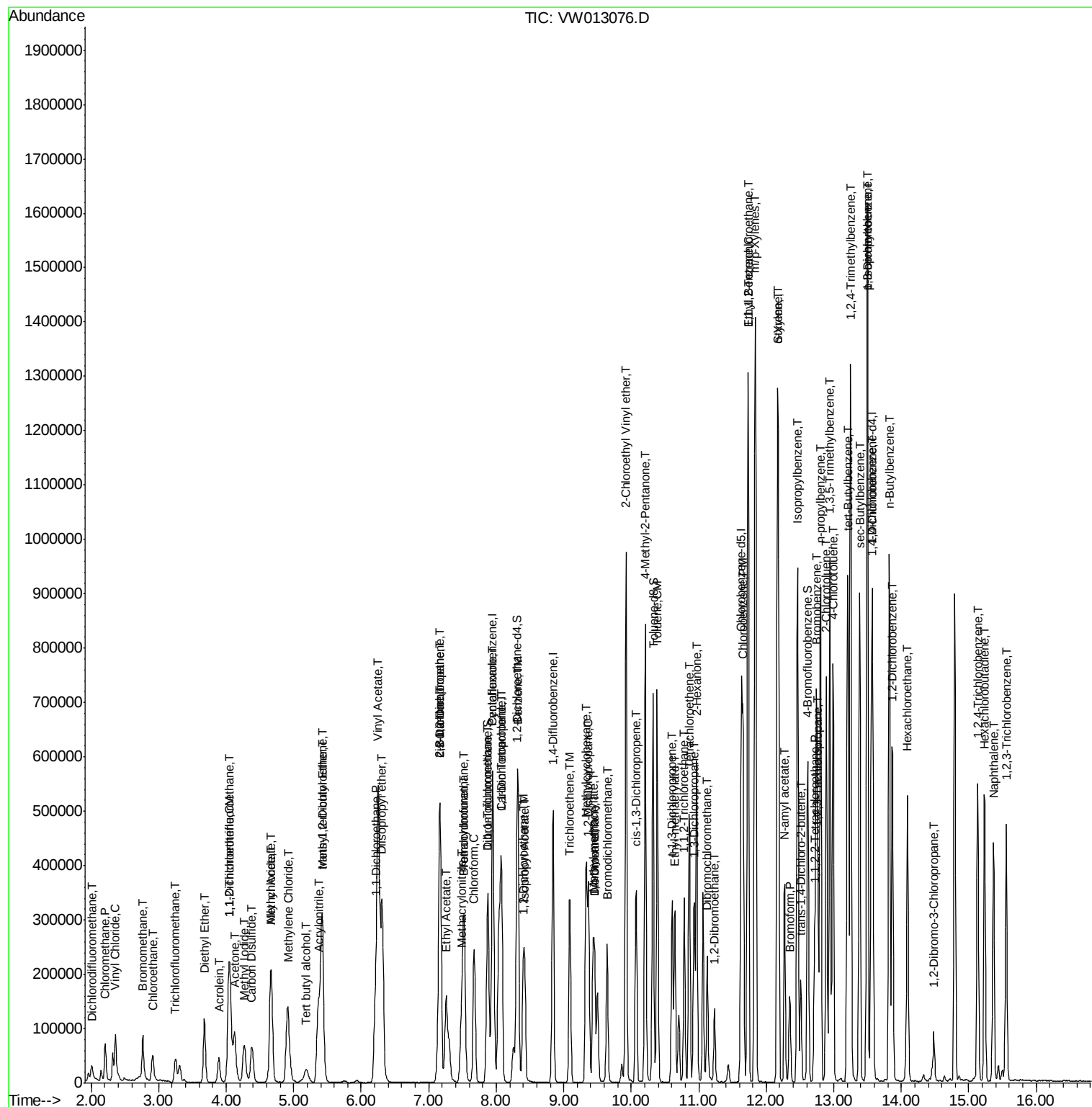
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091619\  
 Data File : VW013076.D  
 Acq On : 17 Sep 2019 07:57  
 Operator : SY/VA  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 51 Sample Multiplier: 1

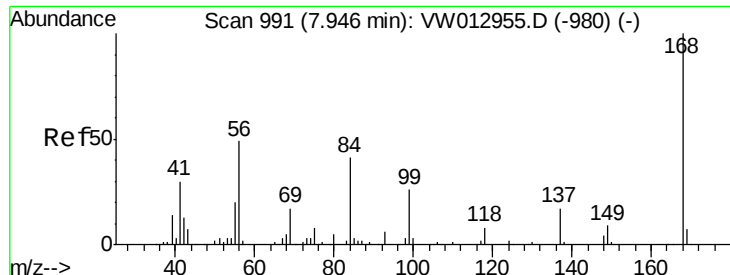
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 9/18/2019 2:01:38 PM

Quant Time: Sep 17 08:56:59 2019  
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W091419S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 13 17:26:01 2019  
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

Tot Ion: 168 Resp: 261729

Ion Ratio Lower Upper

168 100

99 57.8 46.2 69.2

Instrument :

MSVOA\_W

ClientSampleId :

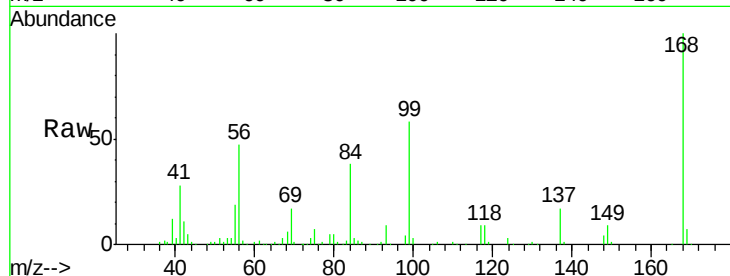
VSTDCCC050EC

Manual Integrations

APPROVED

MMDadoda

9/18/2019 2:01:38 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

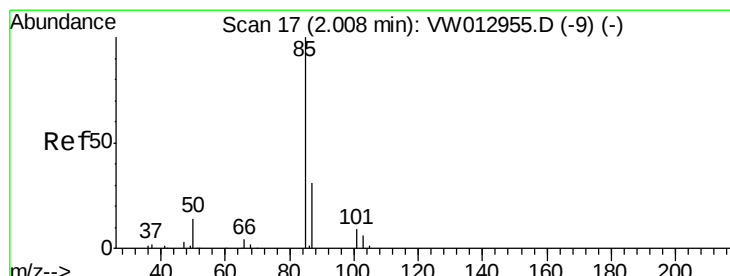
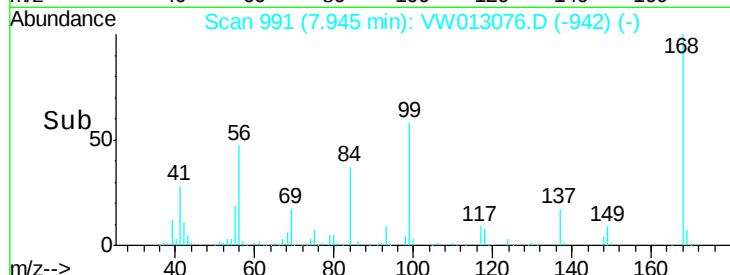
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.524 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013076.D

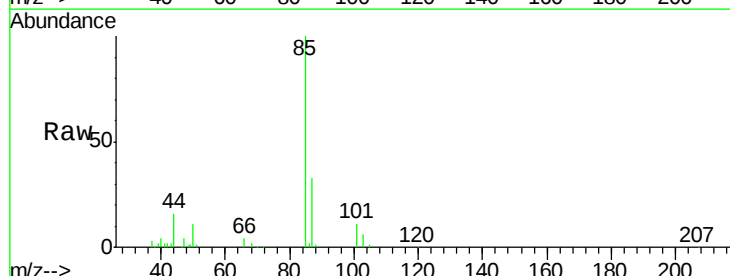
Acq: 17 Sep 2019 07:57

Tgt Ion: 85 Resp: 43271

Ion Ratio Lower Upper

85 100

87 32.7 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

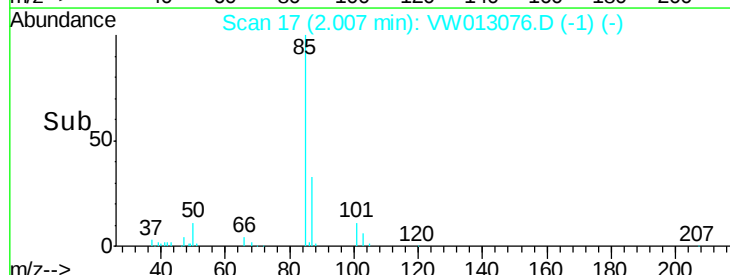
15000

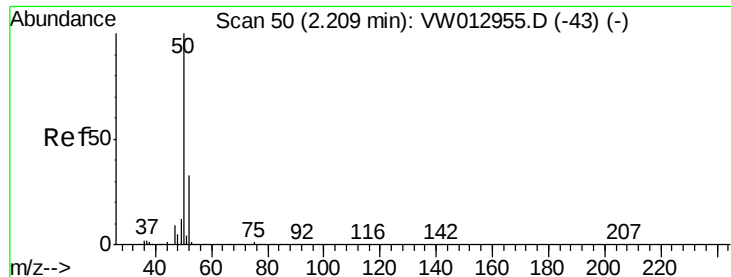
10000

5000

0

Time-->





#3

Chloromethane

Concen: 55.523 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 69253

Ion Ratio Lower Upper

50 100

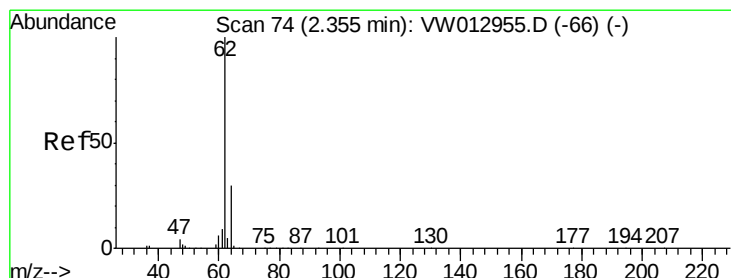
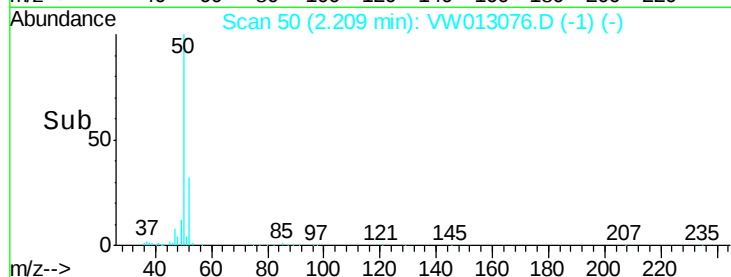
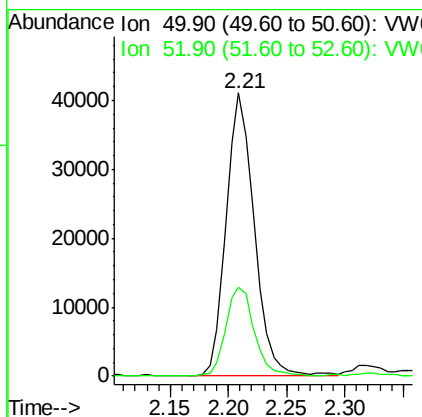
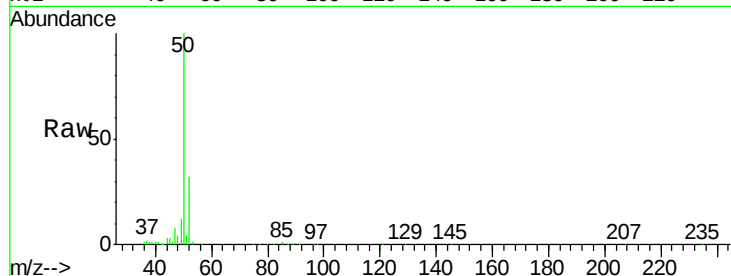
52 31.6 26.6 39.8

Manual Integrations

APPROVED

MMDadoda

9/18/2019 2:01:38 PM



#4

Vinyl Chloride

Concen: 45.155 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013076.D

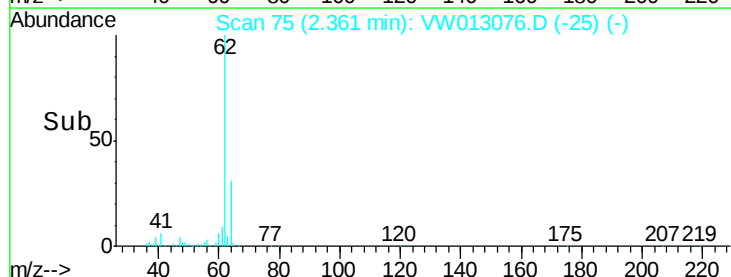
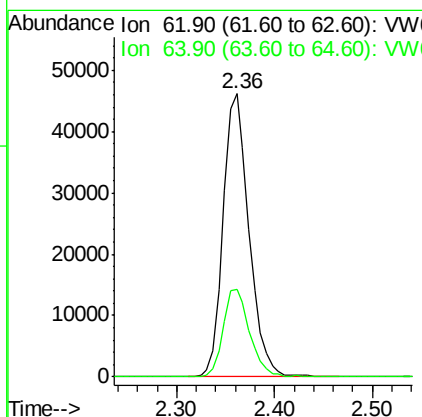
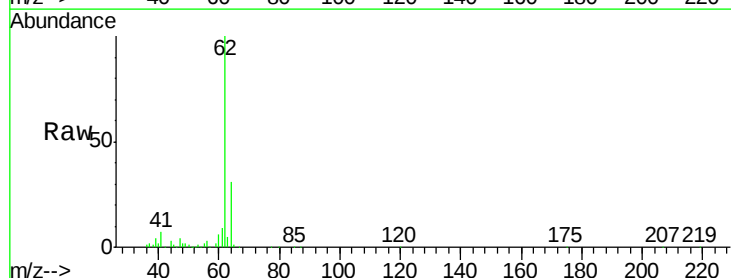
Acq: 17 Sep 2019 07:57

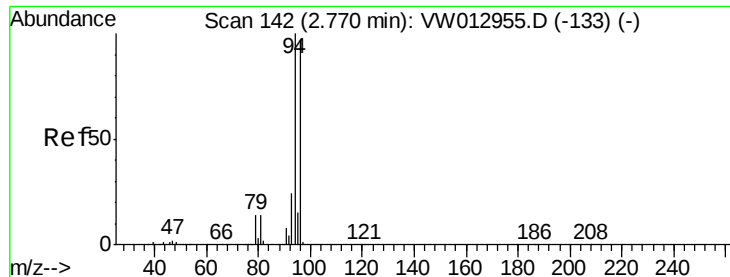
Tgt Ion: 62 Resp: 84593

Ion Ratio Lower Upper

62 100

64 30.7 24.2 36.4





#5

Bromomethane

Concen: 46.677 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 53400

Ion Ratio Lower Upper

94 100

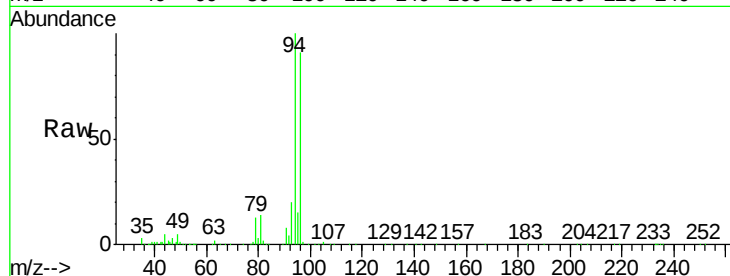
96 90.6 77.8 116.6

Manual Integrations

APPROVED

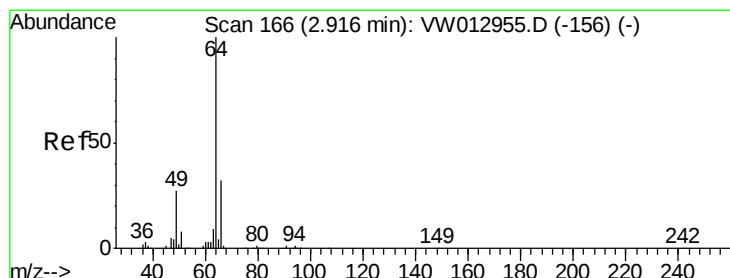
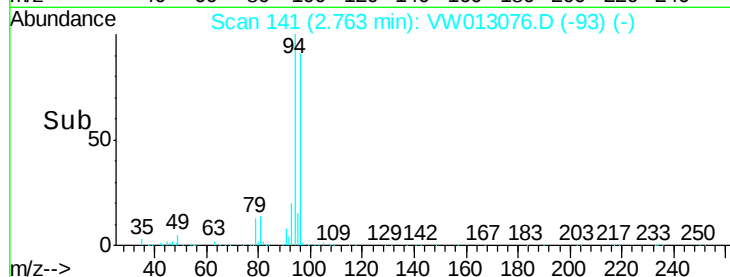
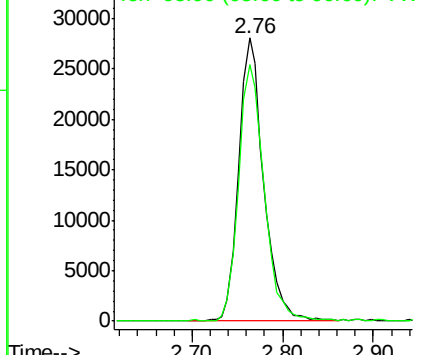
MMDadoda

9/18/2019 2:01:38 PM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 49.236 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013076.D

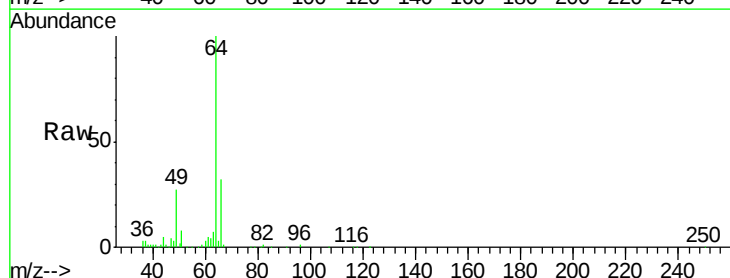
Acq: 17 Sep 2019 07:57

Tgt Ion: 64 Resp: 56571

Ion Ratio Lower Upper

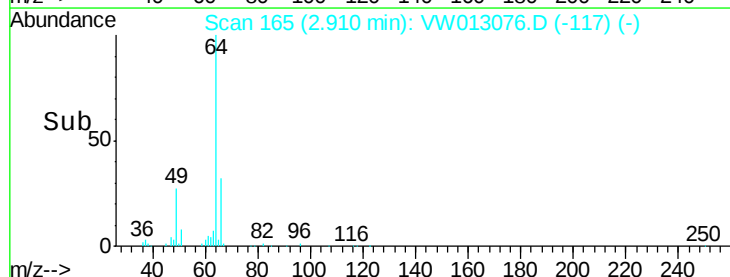
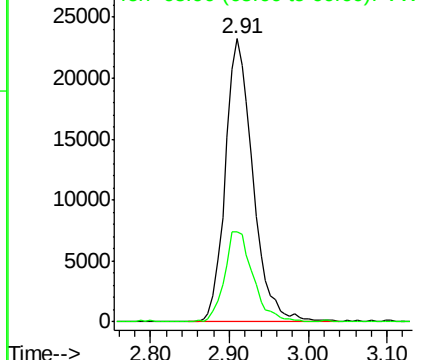
64 100

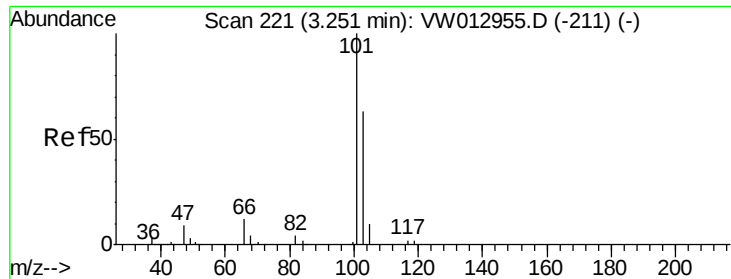
66 32.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

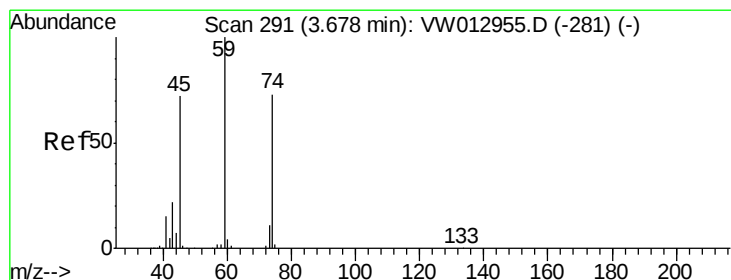
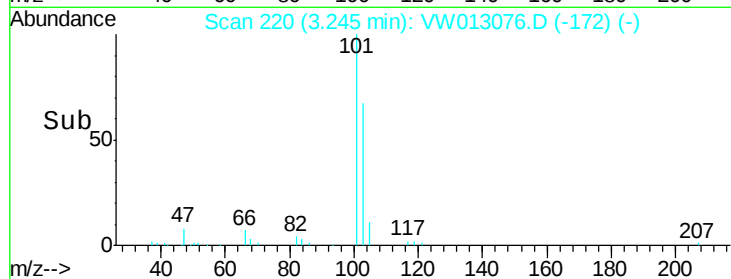
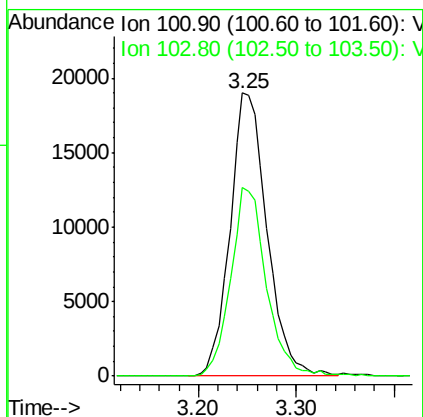
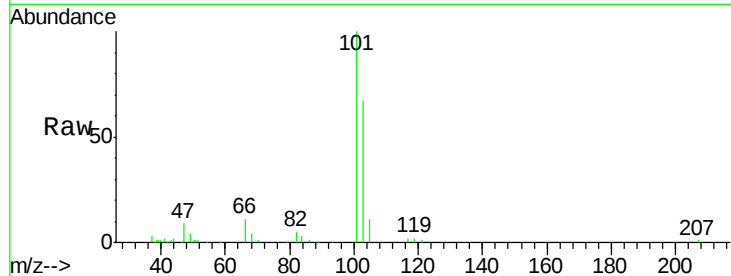
Trichlorofluoromethane  
 Concen: 37.932 ug/l  
 RT: 3.25 min Scan# 220  
 Delta R.T. -0.01 min  
 Lab File: VW013076.D  
 Acq: 17 Sep 2019 07:57

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 66.7  | 50.7  | 76.1  |

Manual Integrations  
 APPROVED

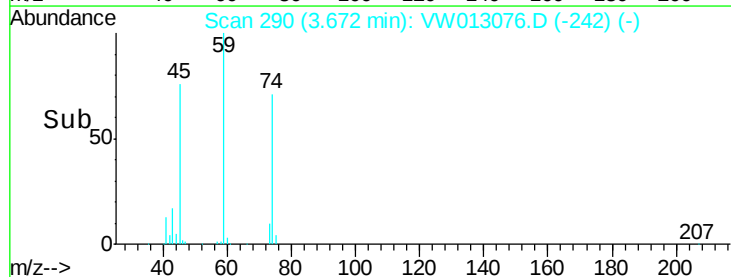
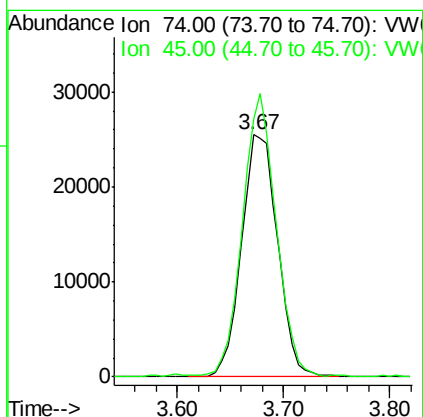
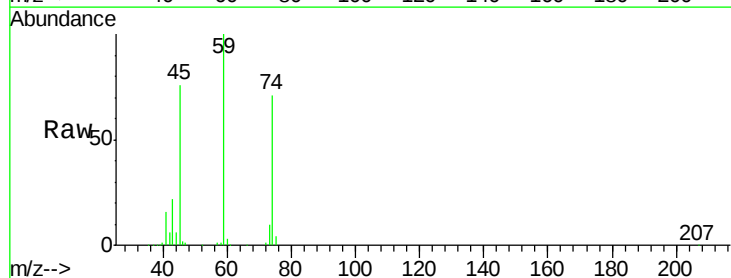
MMDadoda  
 9/18/2019 2:01:38 PM

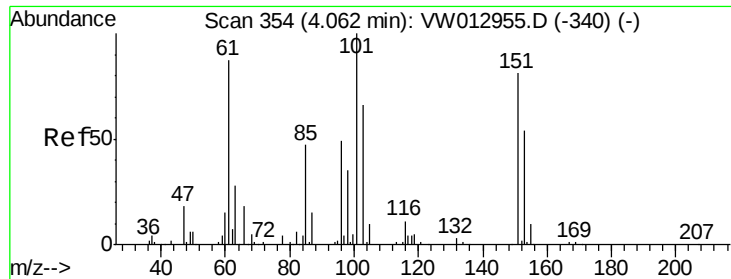


#8

Diethyl Ether  
 Concen: 59.409 ug/l  
 RT: 3.67 min Scan# 290  
 Delta R.T. -0.01 min  
 Lab File: VW013076.D  
 Acq: 17 Sep 2019 07:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 107.7 | 53.8  | 161.4 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.242 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

Instrument :

MSVOA\_W

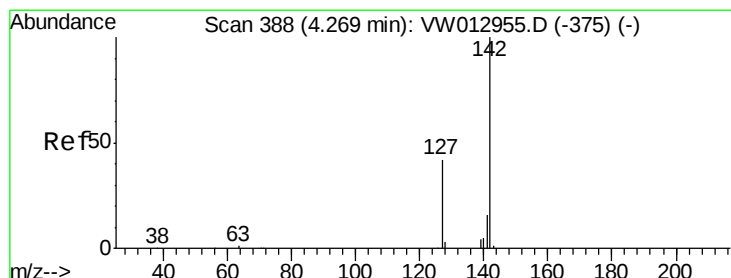
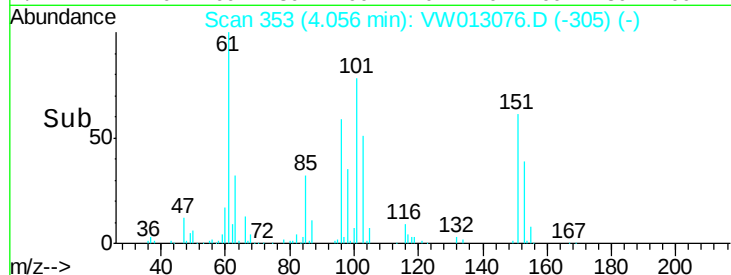
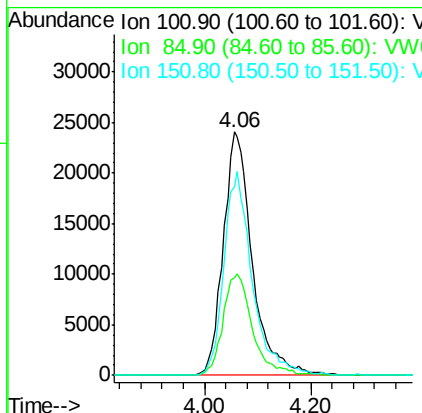
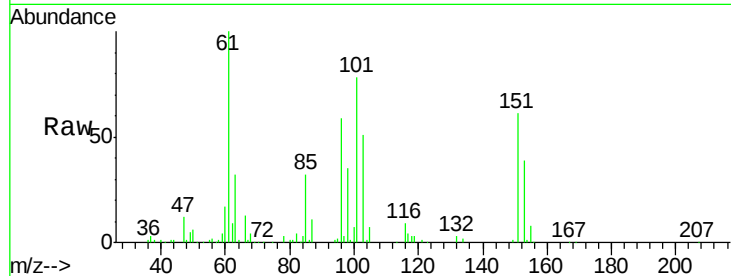
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 91880 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 41.9  | 34.9  | 52.3  |
| 151       | 81.6  | 66.0  | 99.0  |

Manual Integrations  
APPROVED

MMDadoda  
9/18/2019 2:01:38 PM



#10

Methyl Iodide

Concen: 53.806 ug/l

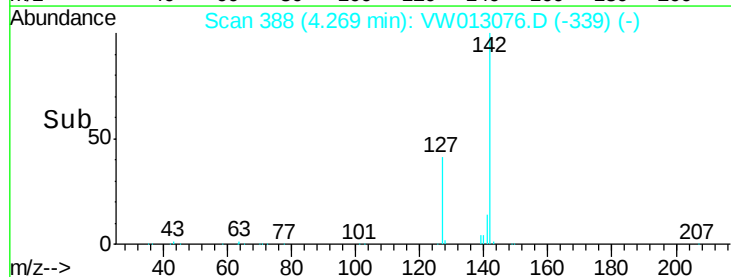
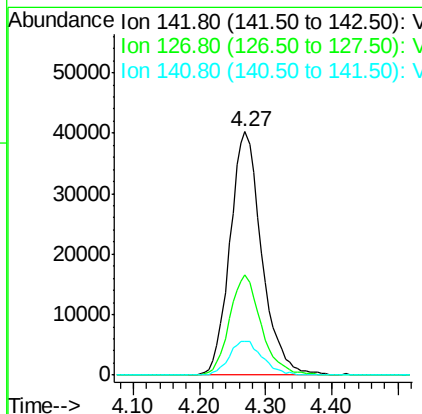
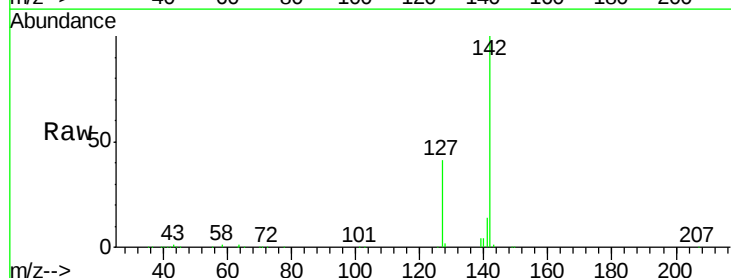
RT: 4.27 min Scan# 388

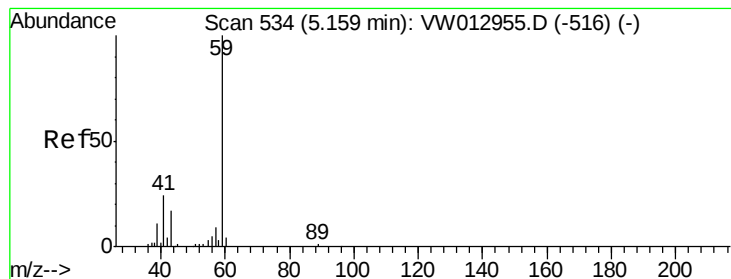
Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 133793 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 41.1  | 34.7  | 52.1   |
| 141       | 14.7  | 12.2  | 18.2   |





#11

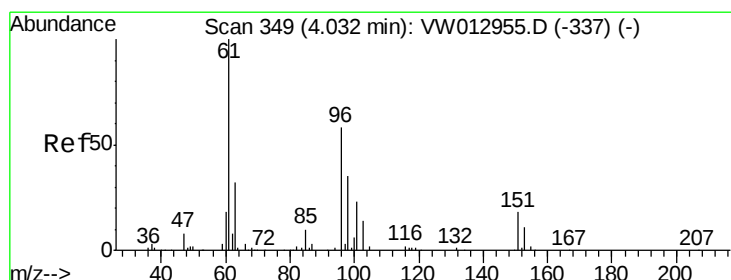
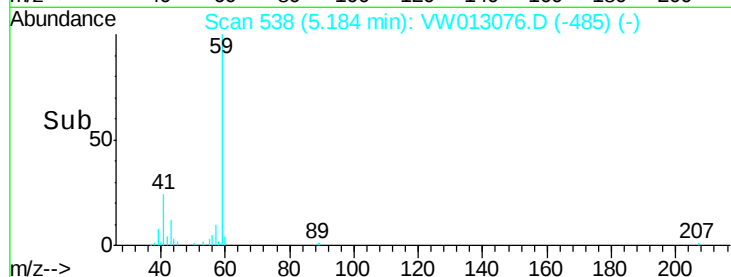
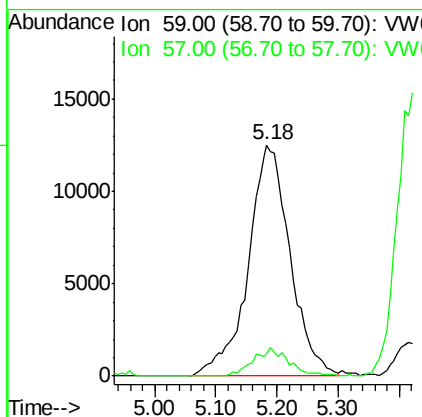
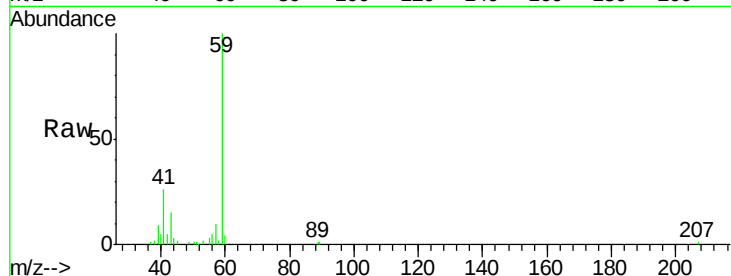
Tert butyl alcohol  
 Concen: 376.709 ug/l  
 RT: 5.18 min Scan# 538  
 Delta R.T. 0.02 min  
 Lab File: VW013076.D  
 Acq: 17 Sep 2019 07:57

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion   | 59   | Resp  | 59698 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 57        | 10.4 | 8.5   | 12.7  |

Manual Integrations  
 APPROVED

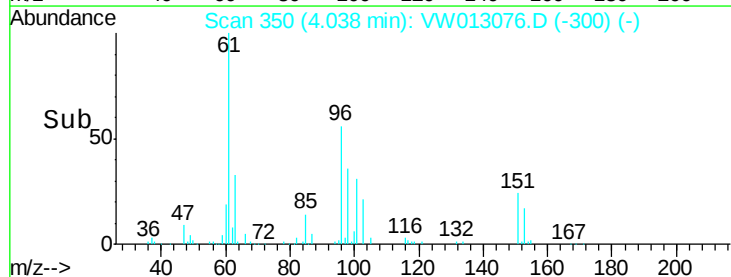
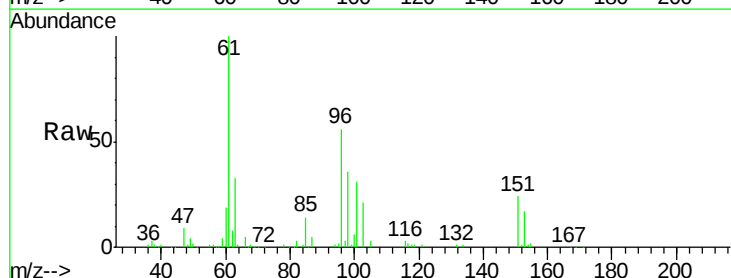
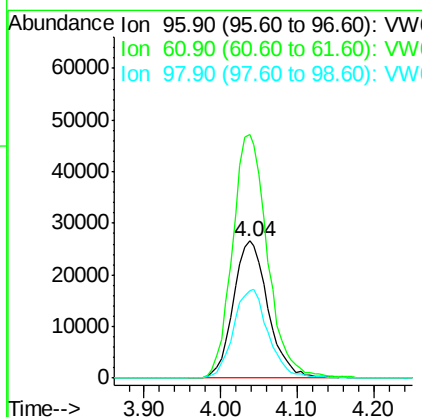
MMDadoda  
 9/18/2019 2:01:38 PM

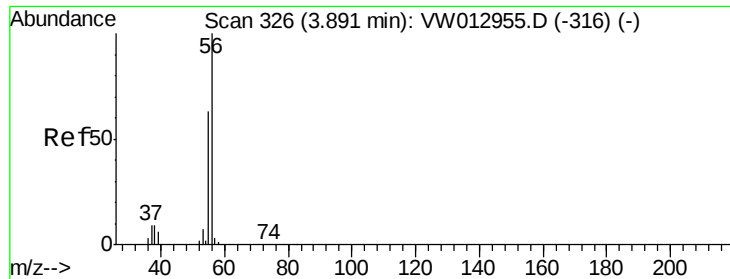


#12

1,1-Dichloroethene  
 Concen: 46.507 ug/l  
 RT: 4.04 min Scan# 350  
 Delta R.T. 0.01 min  
 Lab File: VW013076.D  
 Acq: 17 Sep 2019 07:57

| Tgt Ion   | 96    | Resp  | 84020 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 61        | 177.6 | 137.9 | 206.9 |
| 98        | 63.9  | 48.9  | 73.3  |





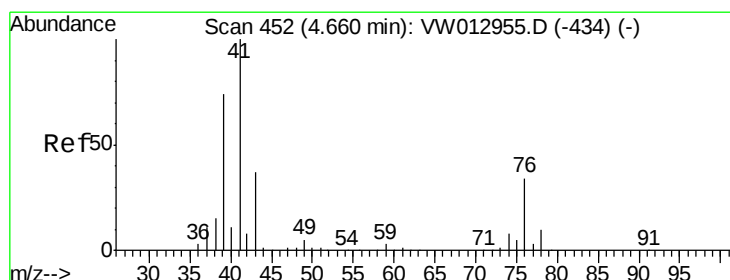
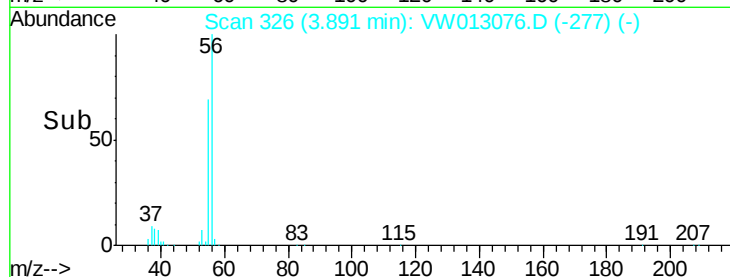
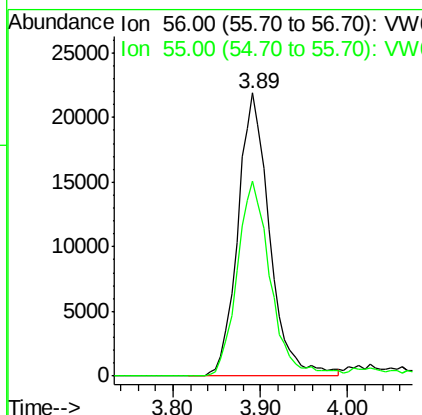
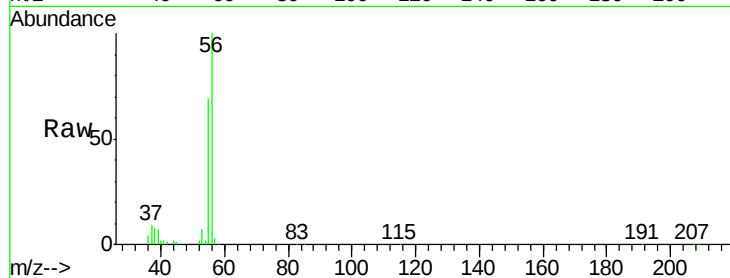
#13  
Acrolein  
Concen: 311.951 ug/l  
RT: 3.89 min Scan# 326  
Delta R.T. 0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 72.2  | 55.8  | 83.8  |

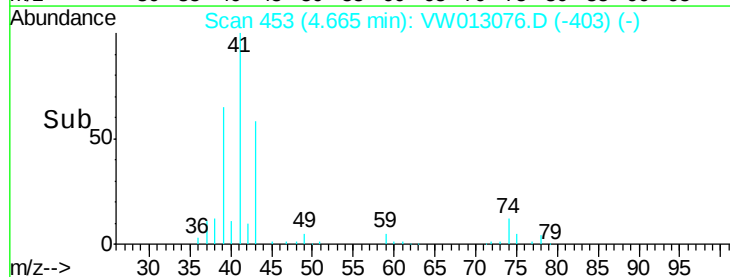
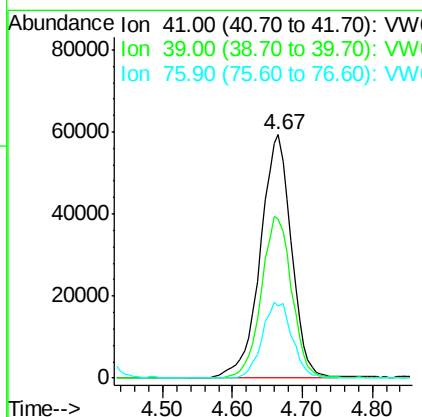
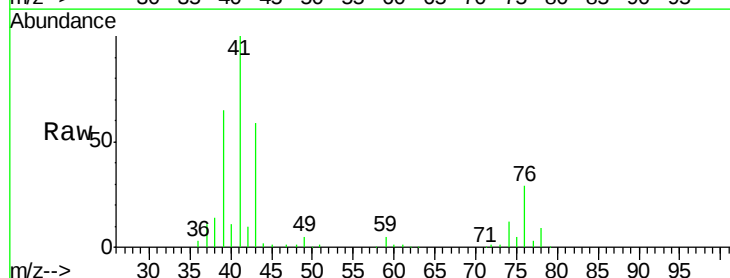
Manual Integrations  
APPROVED

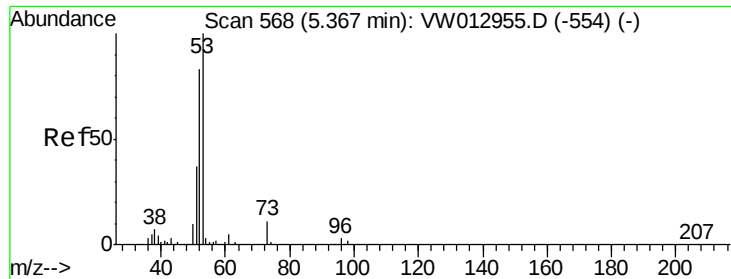
MMDadoda  
9/18/2019 2:01:38 PM



#14  
Allyl chloride  
Concen: 53.506 ug/l  
RT: 4.67 min Scan# 453  
Delta R.T. 0.01 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 64.5  | 56.7  | 85.1  |
| 76      | 30.1  | 25.1  | 37.7  |





#15

Acrylonitrile

Concen: 352.340 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

Instrument :

MSVOA\_W

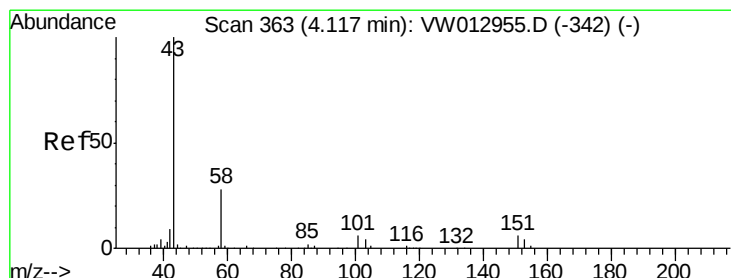
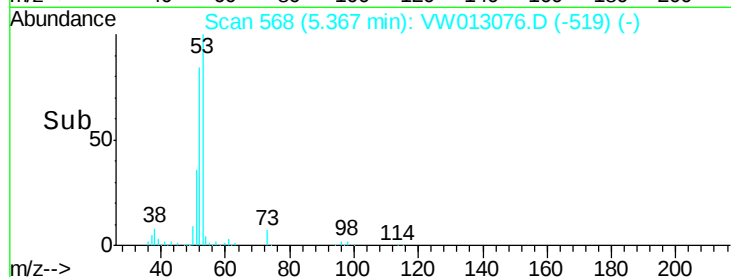
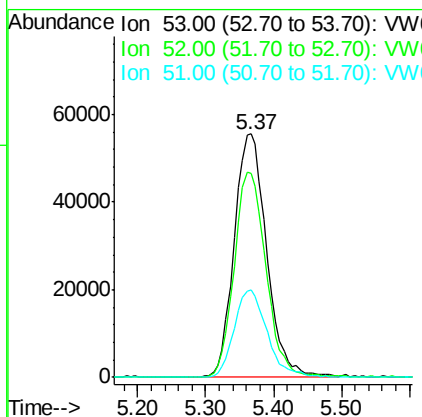
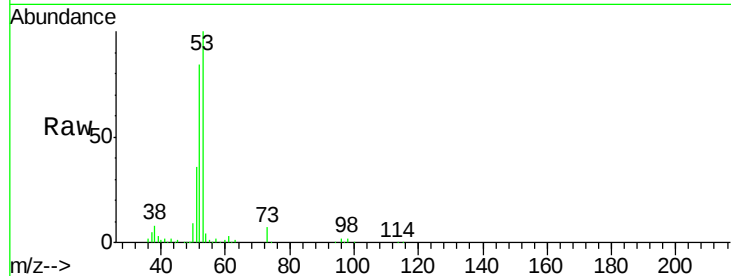
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 184081 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.7  | 66.6  | 100.0  |
| 51        | 36.5  | 29.8  | 44.8   |

Manual Integrations  
APPROVED

MMDadoda  
9/18/2019 2:01:38 PM



#16

Acetone

Concen: 279.607 ug/l

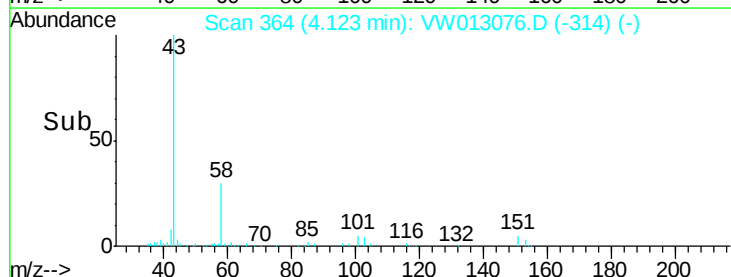
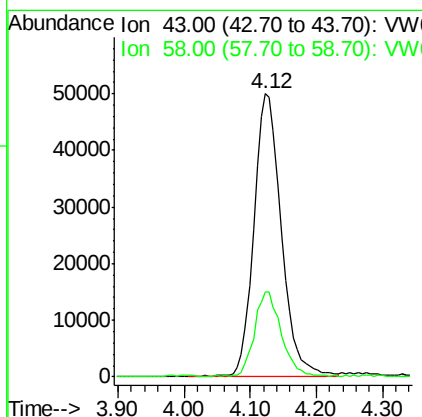
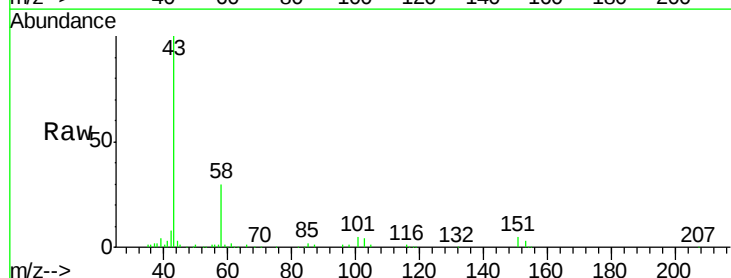
RT: 4.12 min Scan# 364

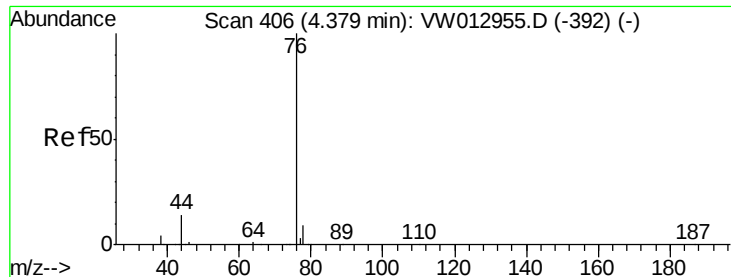
Delta R.T. 0.01 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 145444 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 29.5  | 22.3  | 33.5   |





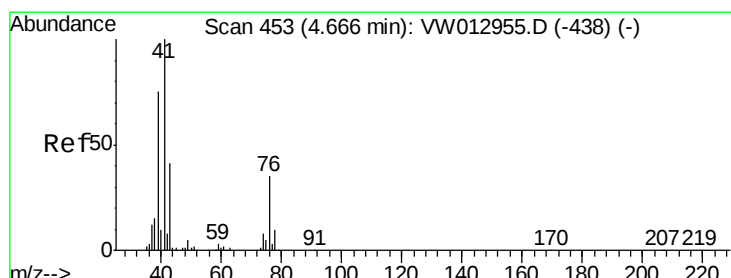
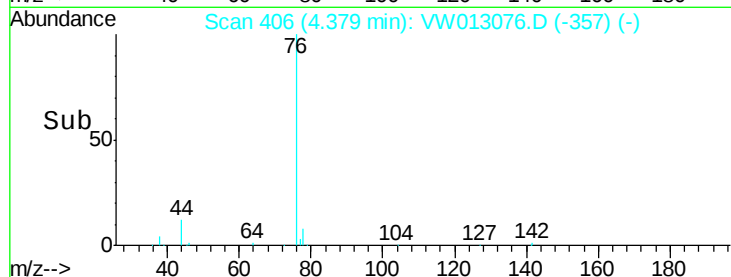
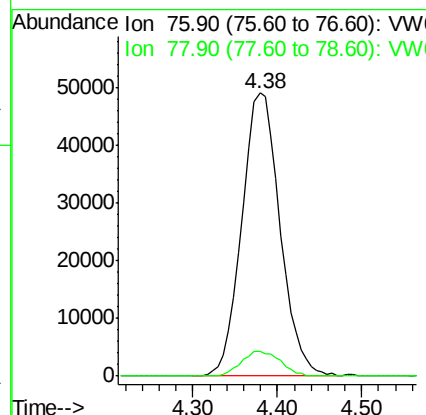
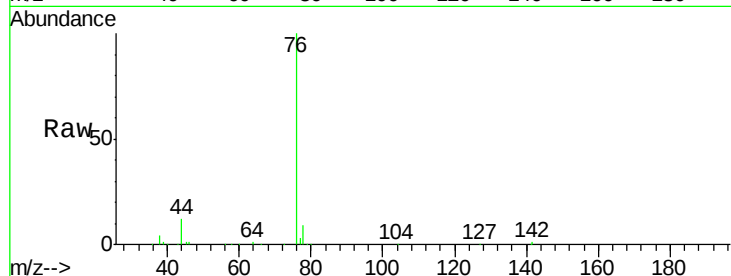
#17  
Carbon Disulfide  
Concen: 41.978 ug/l  
RT: 4.38 min Scan# 406  
Delta R.T. -0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.5   | 7.0   | 10.4  |

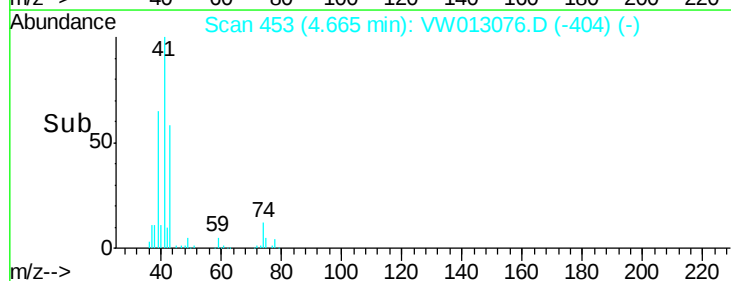
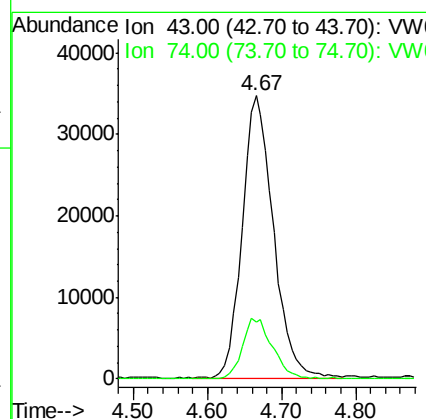
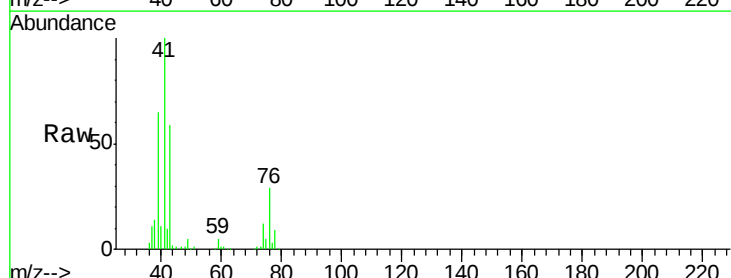
Manual Integrations  
APPROVED

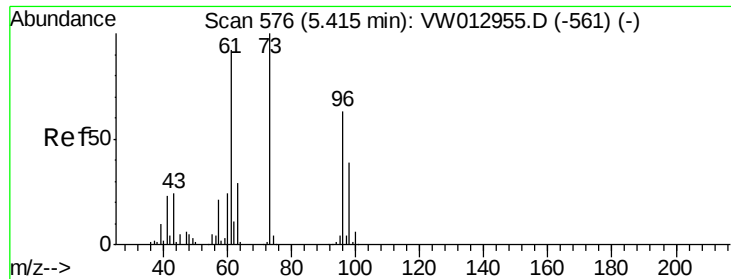
MMDadoda  
9/18/2019 2:01:38 PM



#18  
Methyl Acetate  
Concen: 73.865 ug/l  
RT: 4.67 min Scan# 453  
Delta R.T. -0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 20.7  | 17.8  | 26.8  |





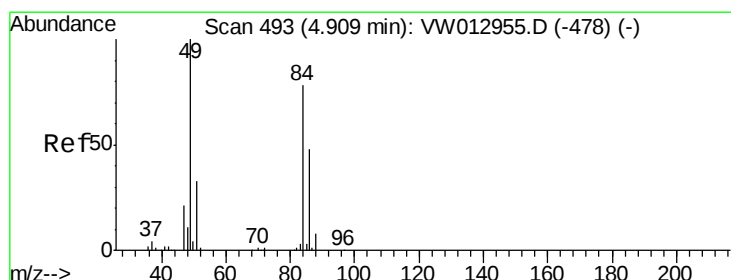
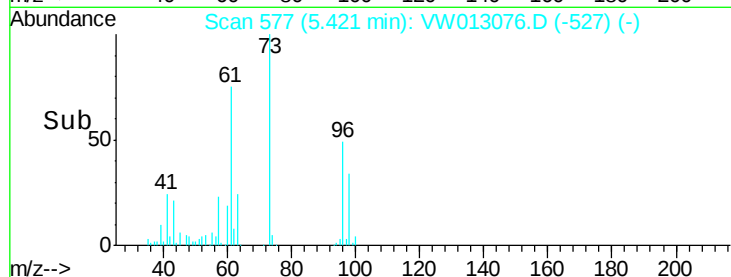
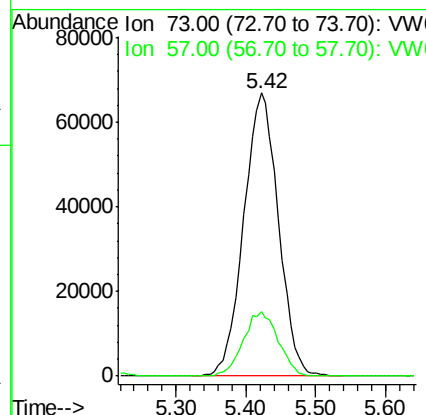
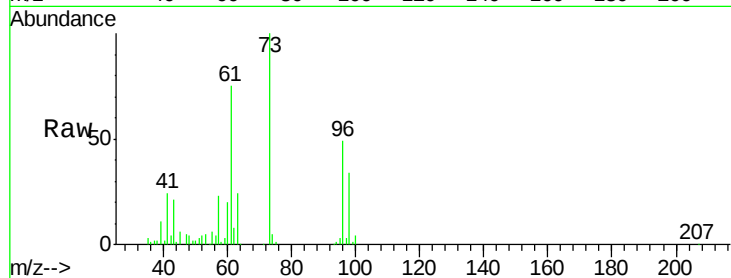
#19  
Methvl tert-butvl Ether  
Concen: 64.392 ug/l  
RT: 5.42 min Scan# 577  
Delta R.T. 0.01 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 229632  
Ion Ratio Lower Upper  
73 100  
57 22.9 16.4 24.6

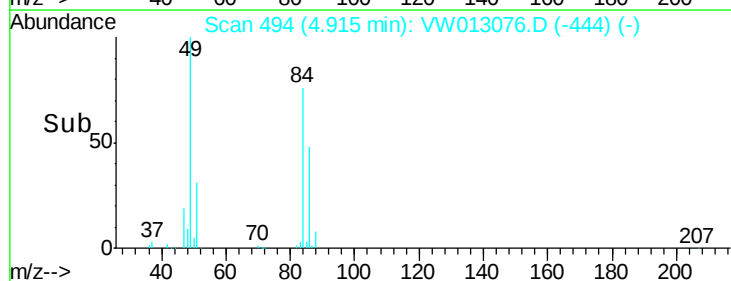
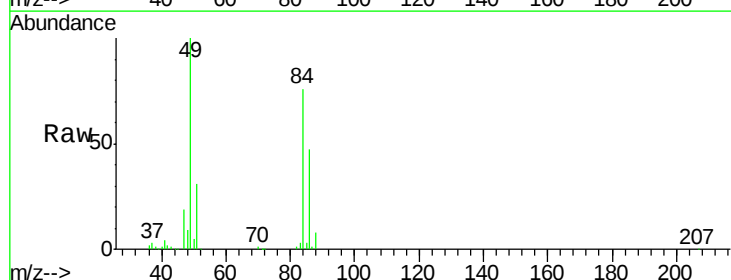
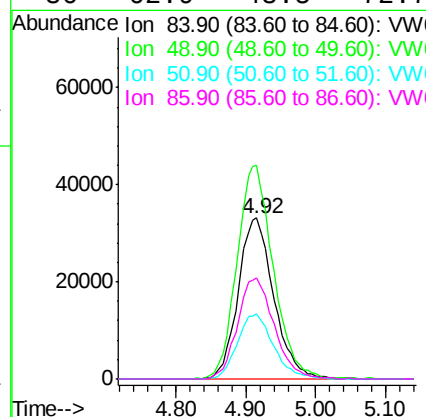
Manual Integrations  
APPROVED

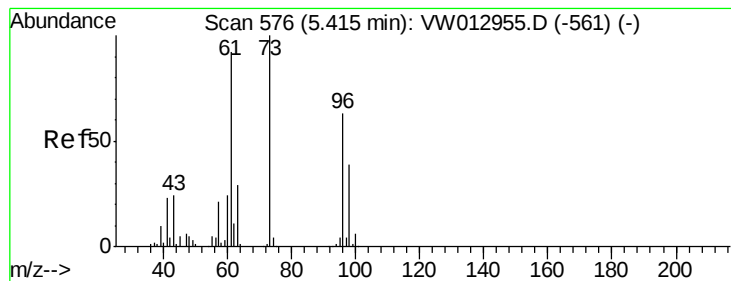
MMDadoda  
9/18/2019 2:01:38 PM



#20  
Methylene Chloride  
Concen: 61.314 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.01 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

Tgt Ion: 84 Resp: 117446  
Ion Ratio Lower Upper  
84 100  
49 132.5 102.0 153.0  
51 40.7 34.0 51.0  
86 62.9 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 52.025 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 100665

Ion Ratio Lower Upper

96 100

61 152.1 116.2 174.2

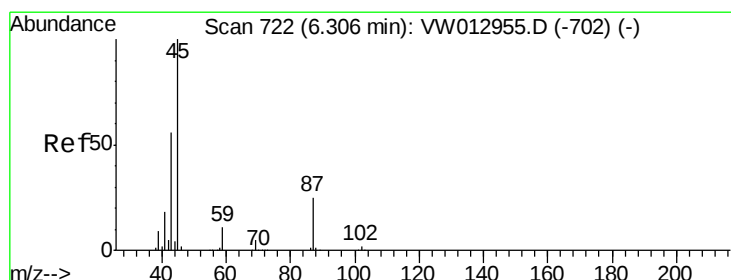
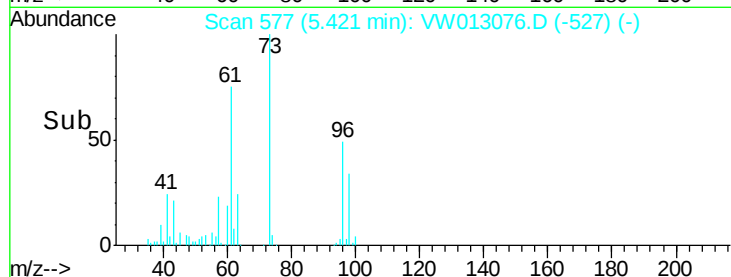
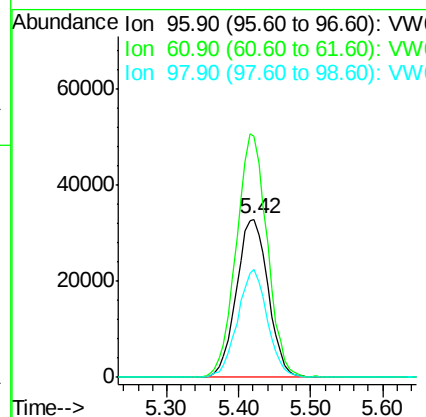
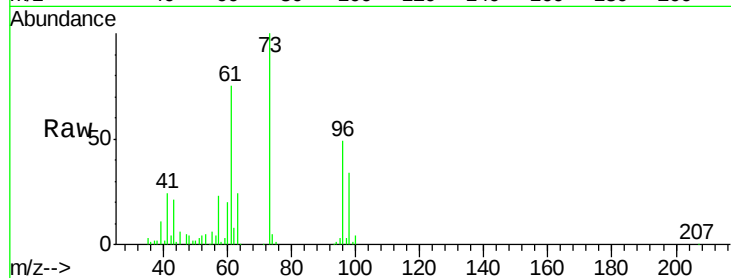
98 68.2 49.8 74.6

Manual Integrations

APPROVED

MMDadoda

9/18/2019 2:01:38 PM



#22

Diisopropyl ether

Concen: 63.228 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

Tgt Ion: 45 Resp: 450502

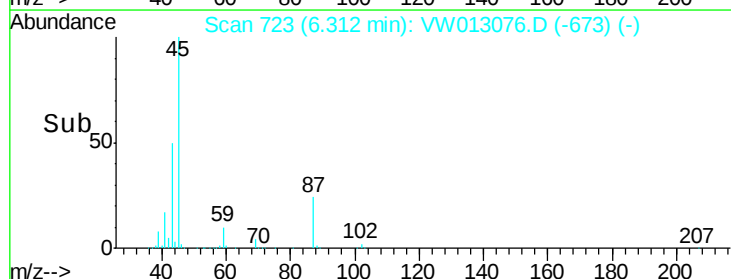
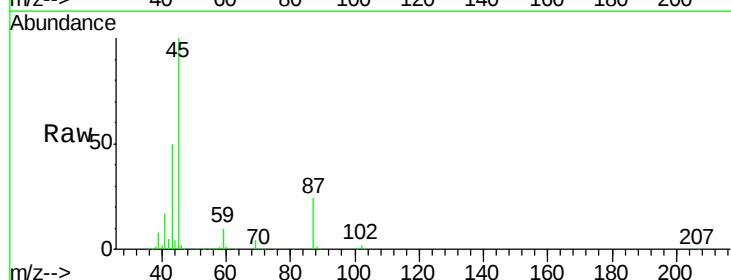
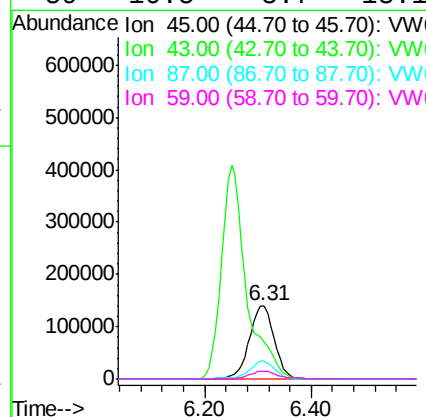
Ion Ratio Lower Upper

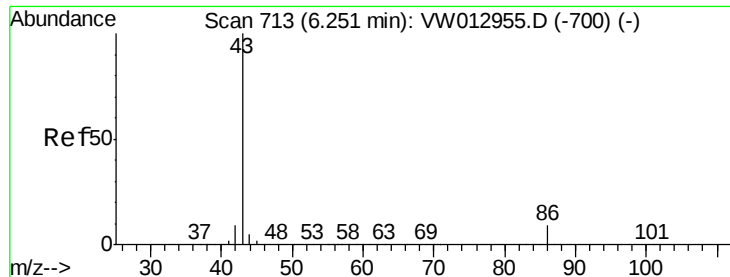
45 100

43 50.1 44.6 67.0

87 23.9 20.0 30.0

59 10.5 8.7 13.1





#23

Vinyl Acetate

Concen: 314.548 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1342315

Ion Ratio Lower Upper

43 100

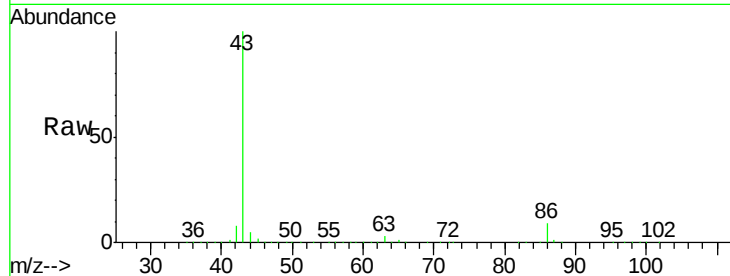
86 9.2 7.0 10.6

Manual Integrations

APPROVED

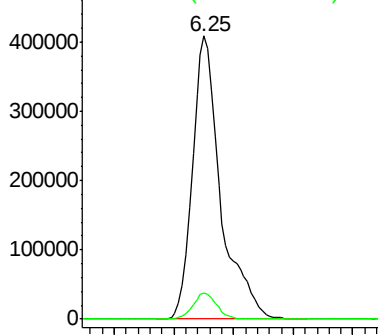
MMDadoda

9/18/2019 2:01:38 PM

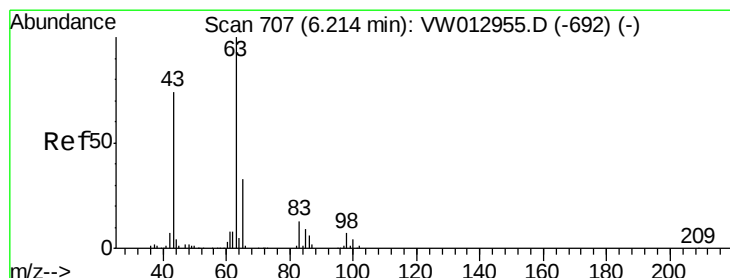
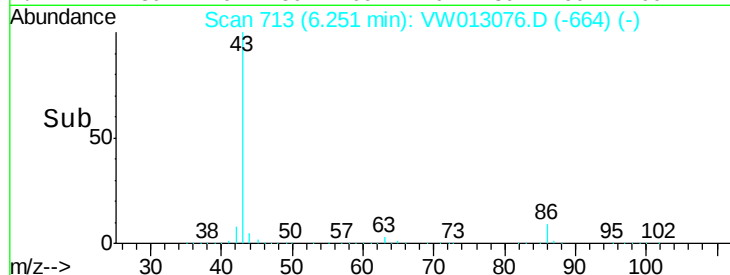


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 55.468 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

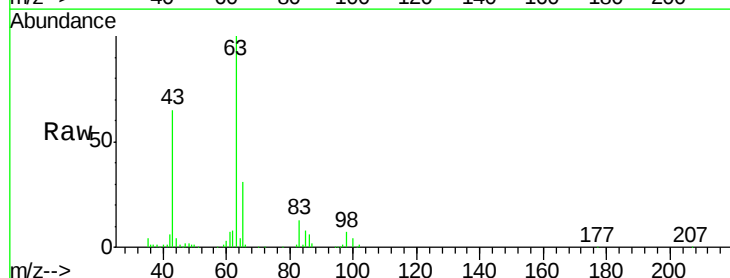
Tgt Ion: 63 Resp: 227867

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

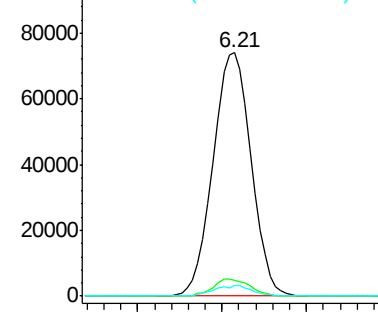
100 4.4 1.8 5.5



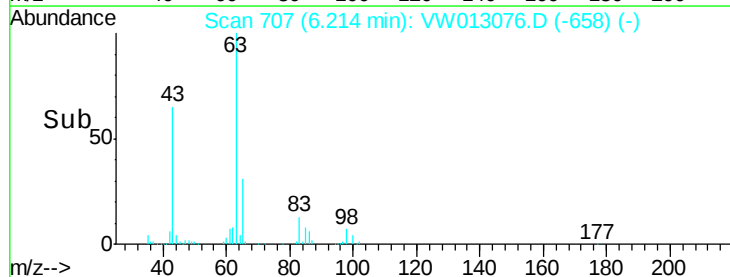
Abundance Ion 62.90 (62.60 to 63.60): VW

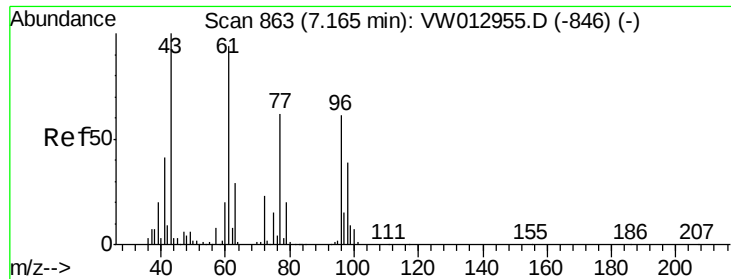
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 326.508 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 250964

Ion Ratio Lower Upper

43 100

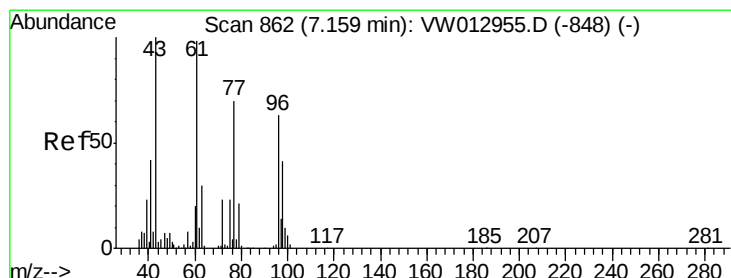
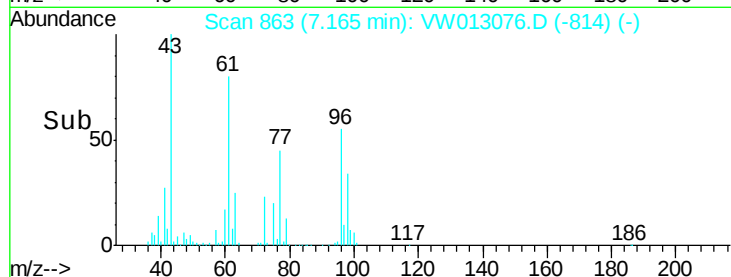
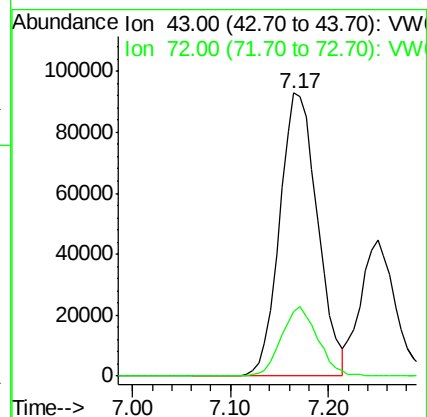
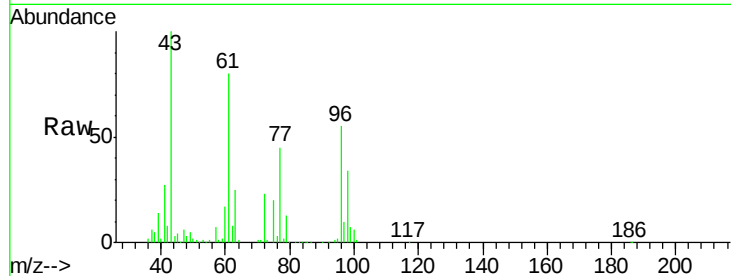
72 22.6 18.2 27.4

Manual Integrations

APPROVED

MMDadoda

9/18/2019 2:01:38 PM



#26

2,2-Dichloropropane

Concen: 45.101 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013076.D

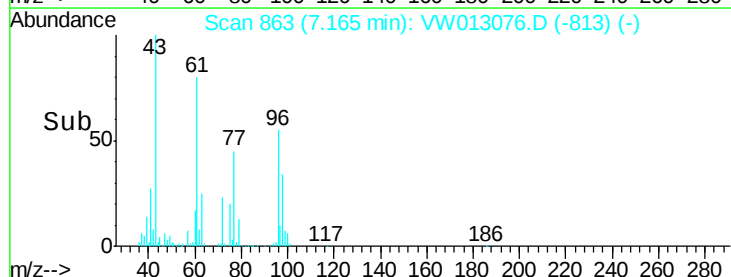
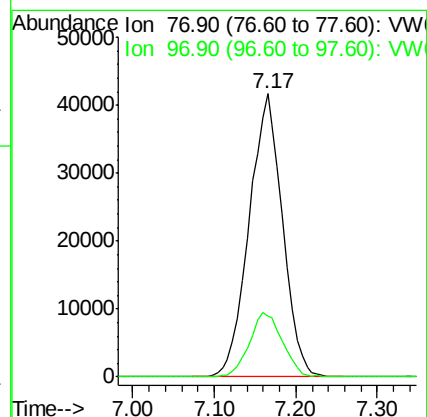
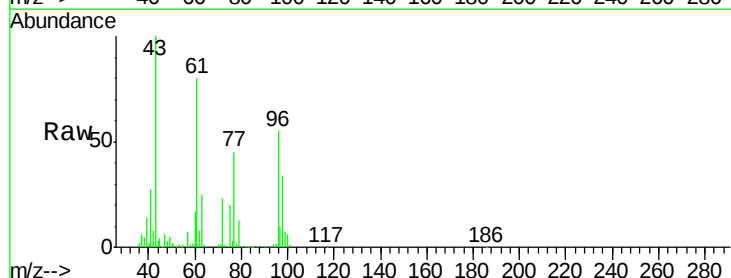
Acq: 17 Sep 2019 07:57

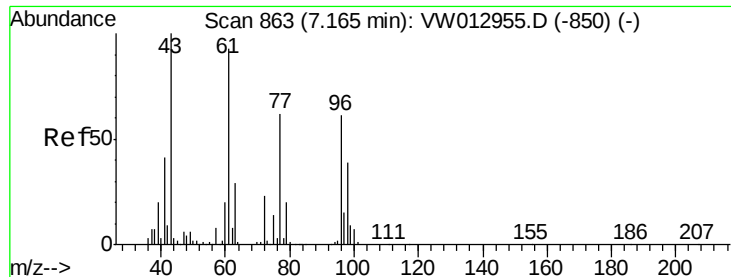
Tgt Ion: 77 Resp: 118691

Ion Ratio Lower Upper

77 100

97 22.5 10.7 32.1





#27

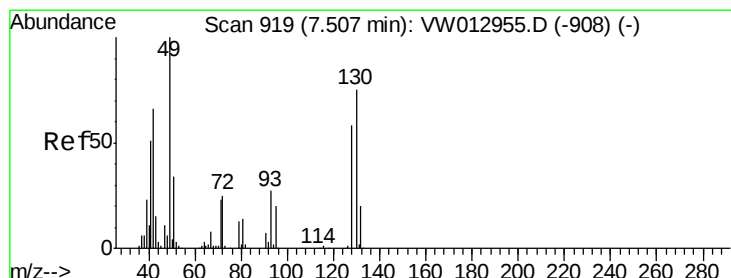
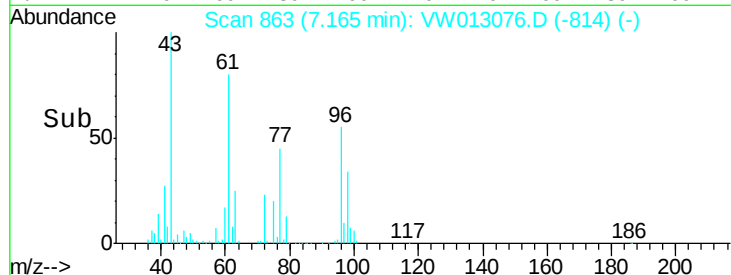
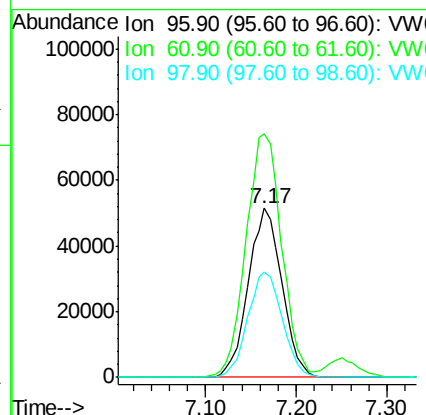
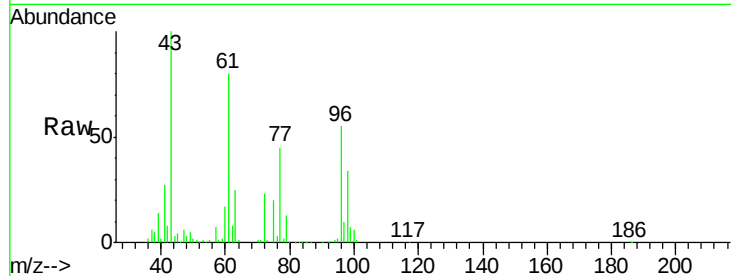
cis-1,2-Dichloroethene  
 Concen: 57.013 ug/l  
 RT: 7.17 min Scan# 863  
 Delta R.T. -0.00 min  
 Lab File: VW013076.D  
 Acq: 17 Sep 2019 07:57

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 132072 |       |       |
| 61      | 153.1 | 0.0    | 315.4 |       |
| 98      | 63.9  | 0.0    | 131.0 |       |

Manual Integrations  
 APPROVED

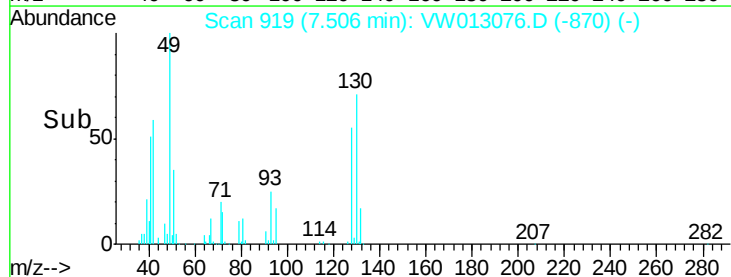
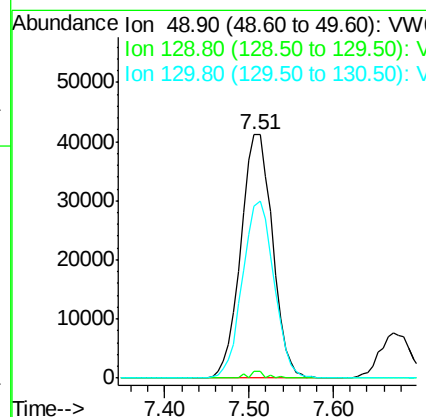
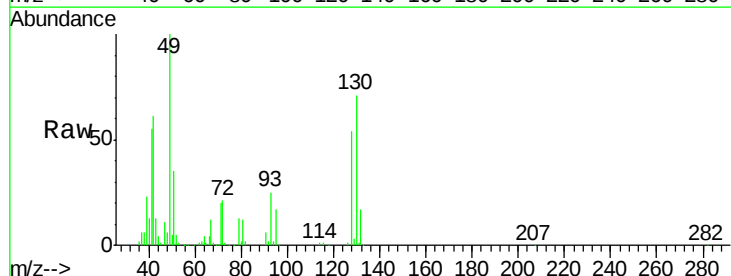
MMDadoda  
 9/18/2019 2:01:38 PM

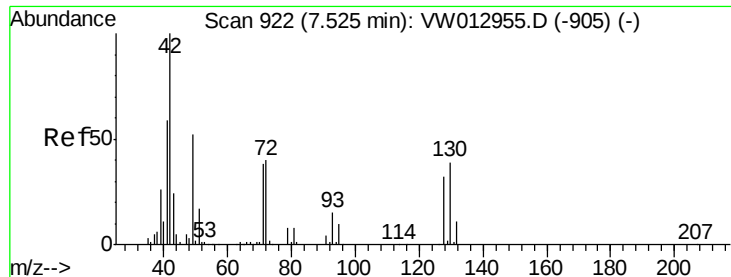


#28

Bromochloromethane  
 Concen: 60.495 ug/l  
 RT: 7.51 min Scan# 919  
 Delta R.T. -0.00 min  
 Lab File: VW013076.D  
 Acq: 17 Sep 2019 07:57

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 104600 |       |       |
| 129     | 1.4   | 0.0    | 1.4#  |       |
| 130     | 71.9  | 57.8   | 86.6  |       |





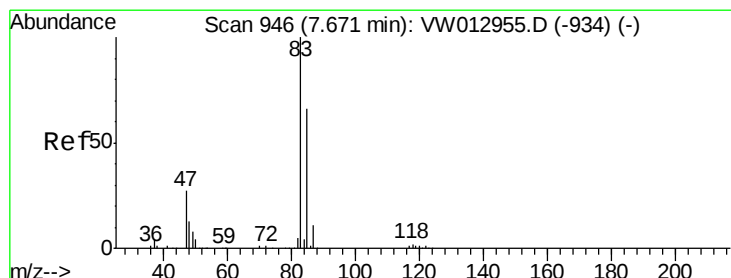
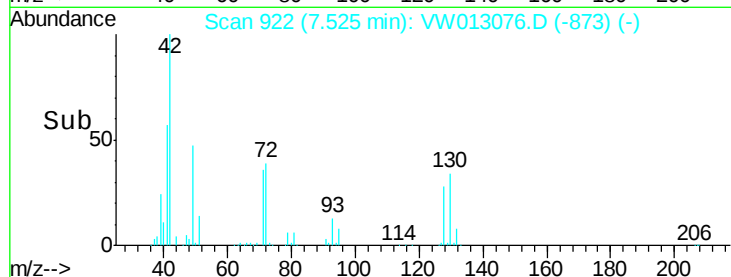
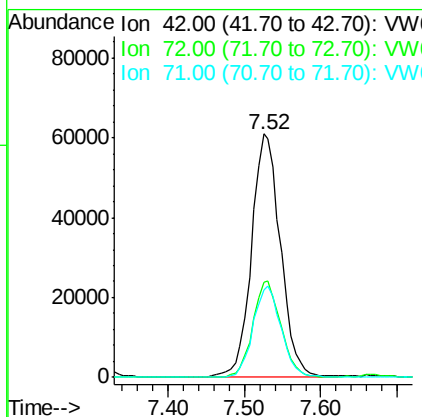
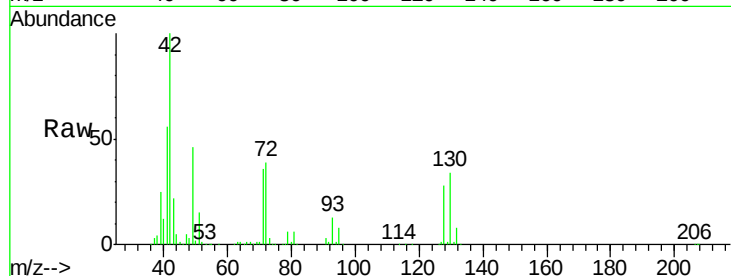
#29  
Tetrahydrofuran  
Concen: 366.902 ug/l  
RT: 7.52 min Scan# 922  
Delta R.T. -0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 42    | Resp: | 160685 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 72       | 38.3  | 31.4  | 47.0   |
| 71       | 36.4  | 29.8  | 44.8   |

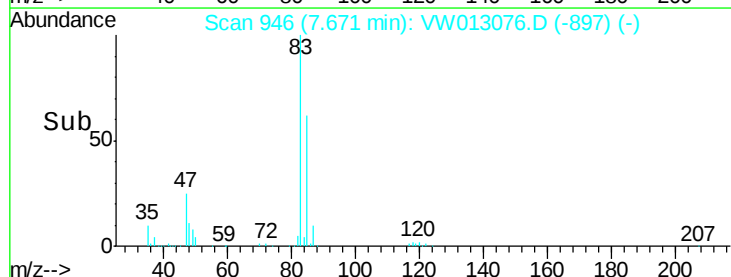
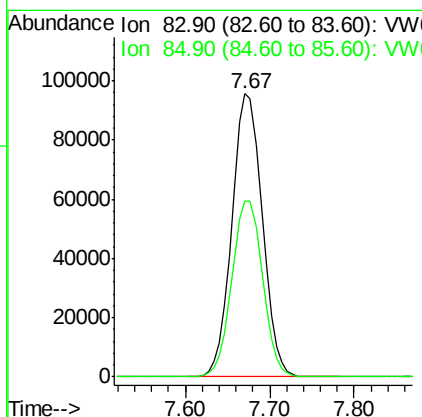
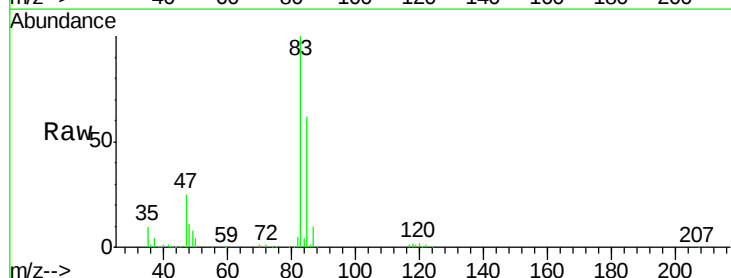
Manual Integrations  
APPROVED

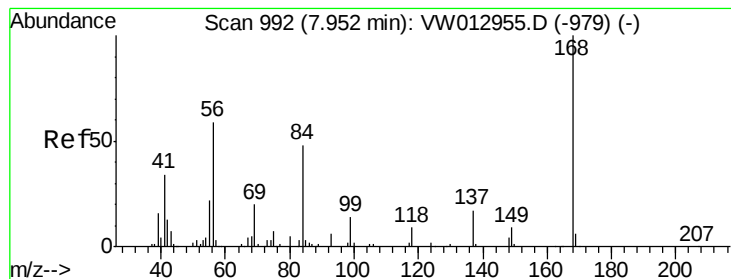
MMDadoda  
9/18/2019 2:01:38 PM



#30  
Chloroform  
Concen: 55.899 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. -0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 233328 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 62.0  | 52.8  | 79.2   |





#31

Cyclohexane

Concen: 50.243 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

Instrument :

MSVOA\_W

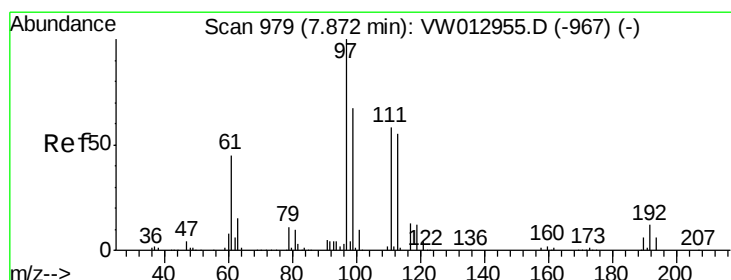
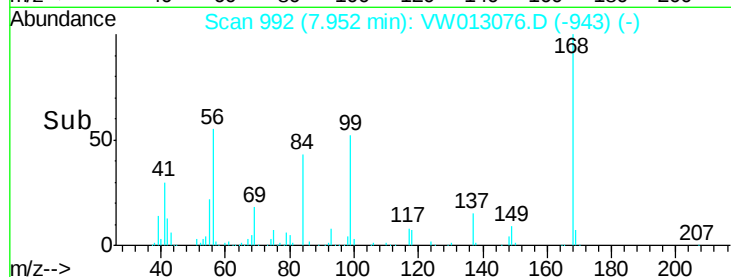
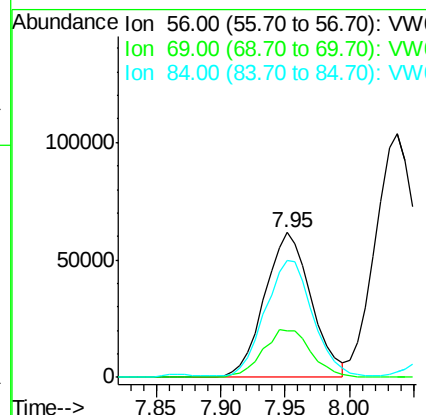
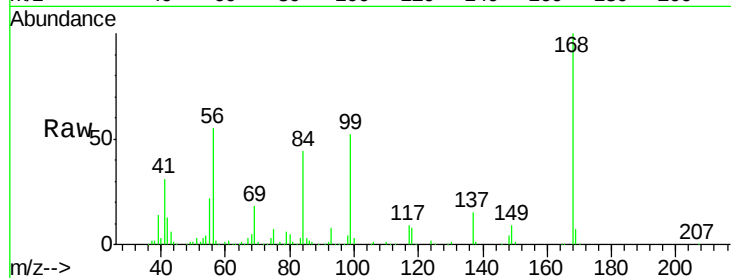
ClientSampleId :

VSTDCCC050EC

| Tot Ion   | 56    | Resp  | 154875 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 31.9  | 27.0  | 40.6   |
| 84        | 78.9  | 66.2  | 99.2   |

Manual Integrations  
APPROVED

MMDadoda  
9/18/2019 2:01:38 PM



#32

1,1,1-Trichloroethane

Concen: 49.671 ug/l

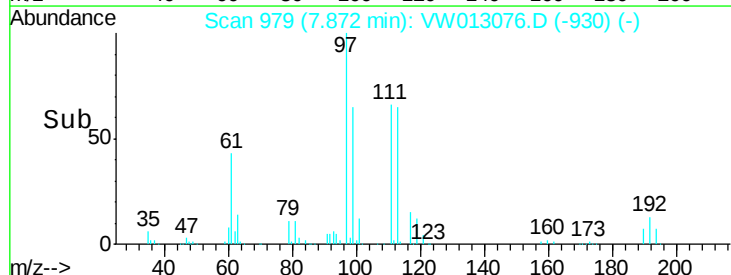
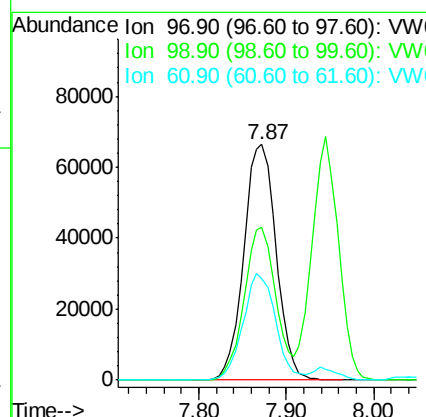
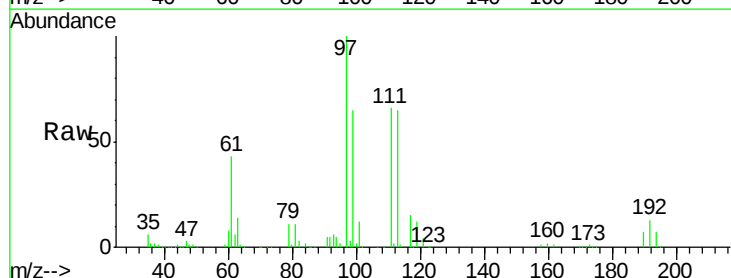
RT: 7.87 min Scan# 979

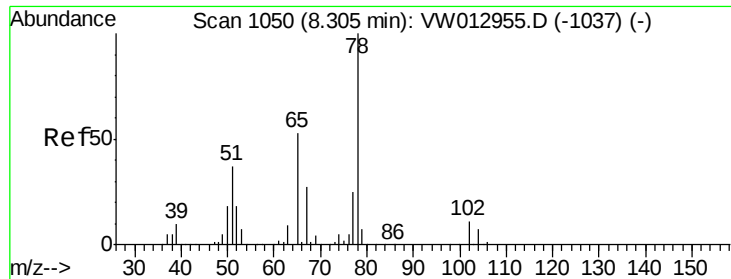
Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

| Tgt Ion   | 97    | Resp  | 170743 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 63.9  | 53.0  | 79.4   |
| 61        | 45.6  | 36.5  | 54.7   |





#33

1,2-Dichloroethane-d4

Concen: 60.054 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 145166

Ion Ratio Lower Upper

65 100

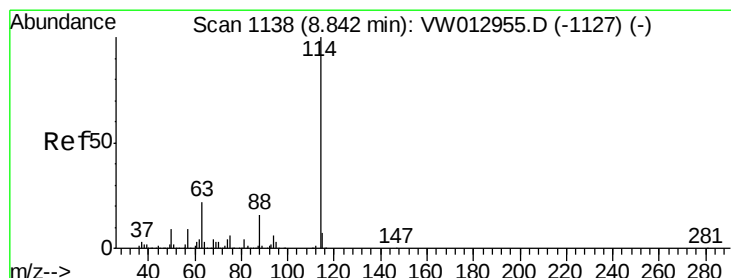
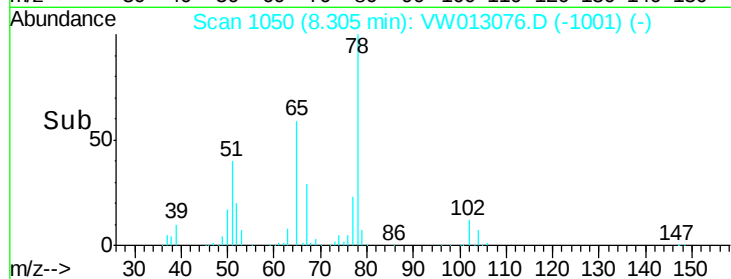
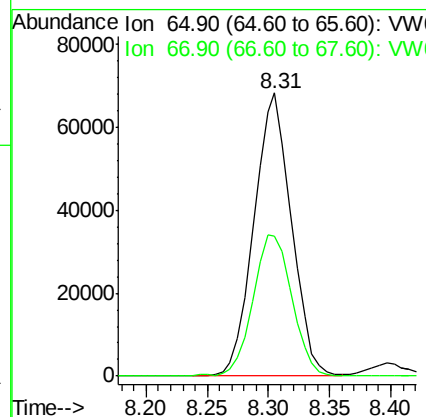
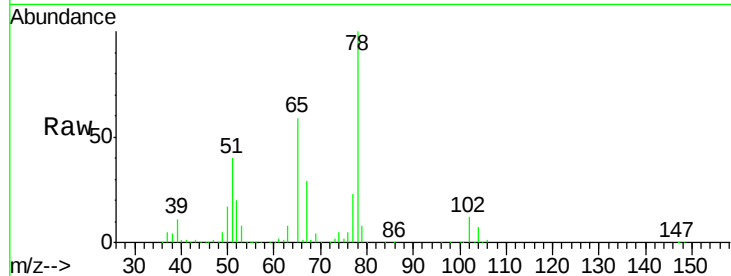
67 52.1 0.0 101.2

Manual Integrations

APPROVED

MMDadoda

9/18/2019 2:01:38 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

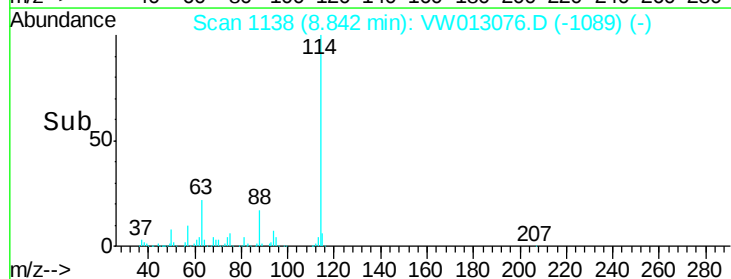
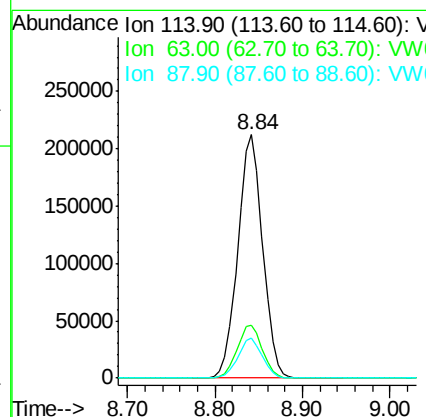
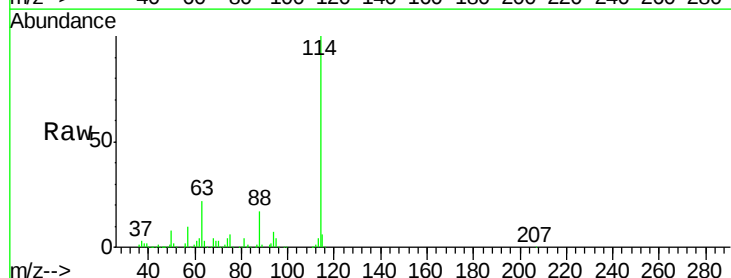
Tgt Ion: 114 Resp: 418417

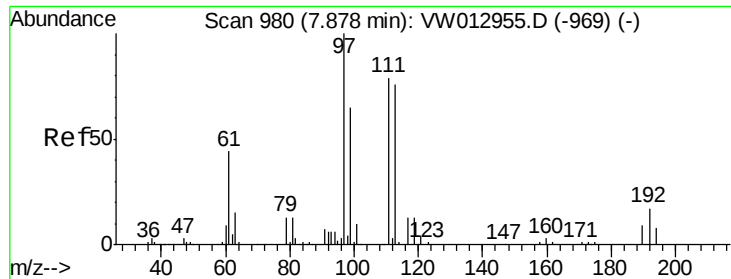
Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.4

88 16.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 53.430 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

Instrument :

MSVOA\_W

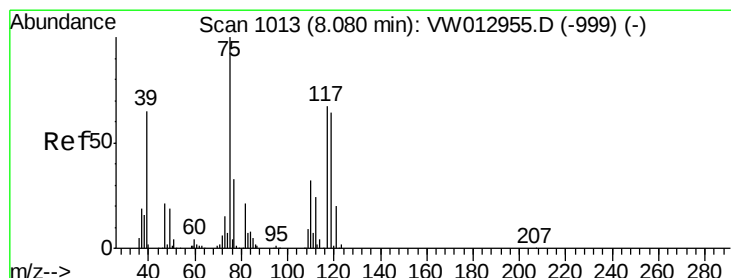
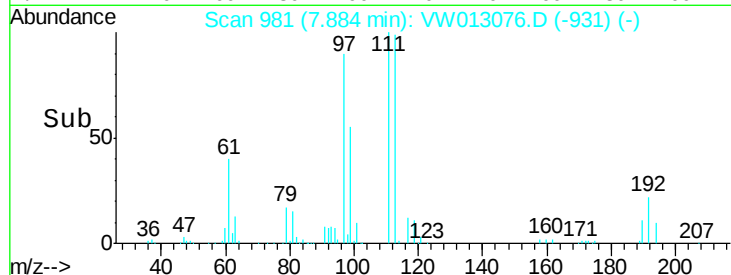
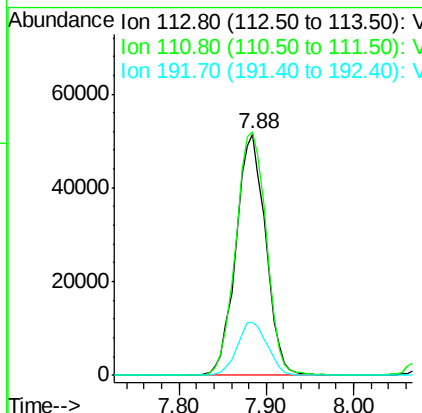
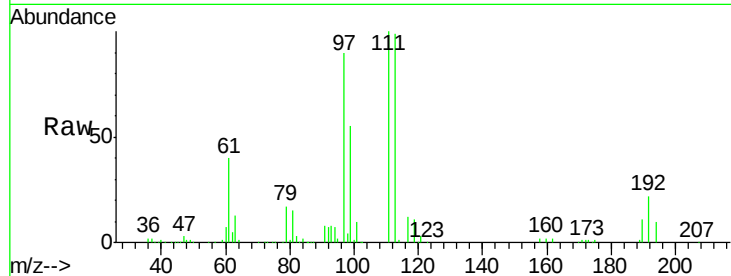
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 121307 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 103.9 | 82.8  | 124.2  |
| 192       | 22.5  | 17.8  | 26.8   |

Manual Integrations  
APPROVED

MMDadoda  
9/18/2019 2:01:38 PM



#36

1,1-Dichloropropene

Concen: 44.562 ug/l

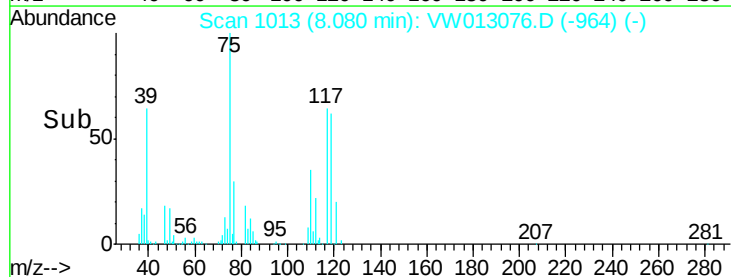
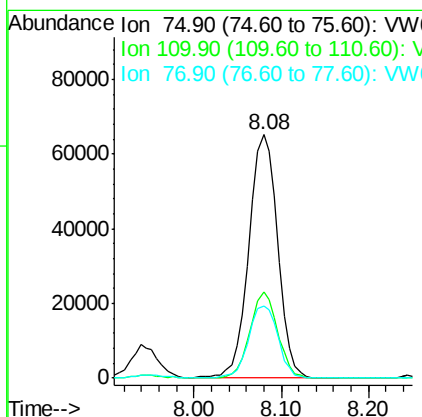
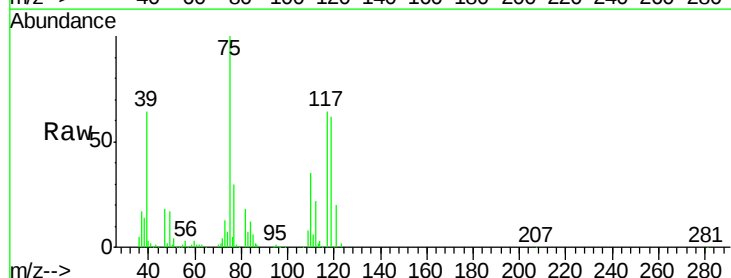
RT: 8.08 min Scan# 1013

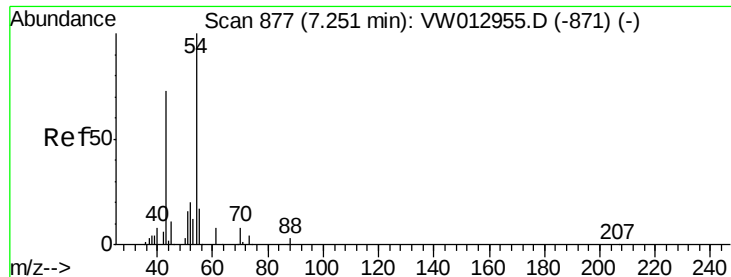
Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 148994 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 34.0  | 16.4  | 49.1   |
| 77        | 30.4  | 25.1  | 37.7   |





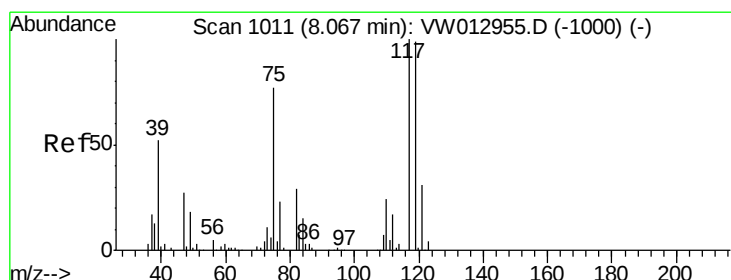
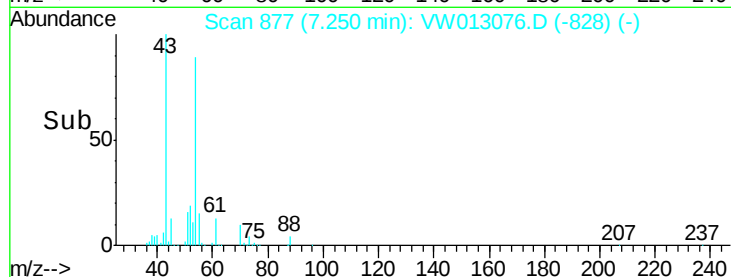
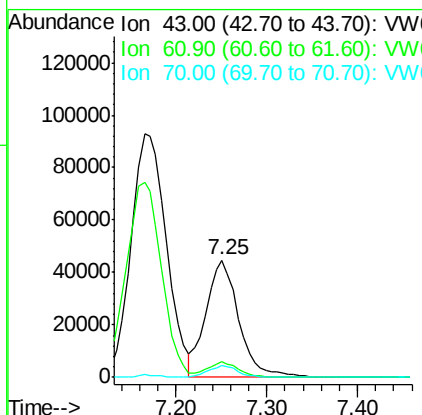
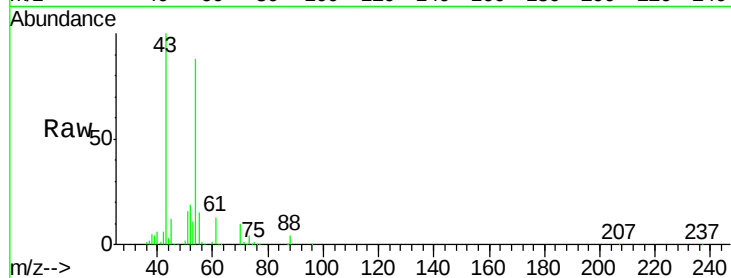
#37  
Ethyl Acetate  
Concen: 63.271 ug/l  
RT: 7.25 min Scan# 877  
Delta R.T. -0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 12.6  | 9.6   | 14.4  |
| 70      | 9.4   | 7.6   | 11.4  |

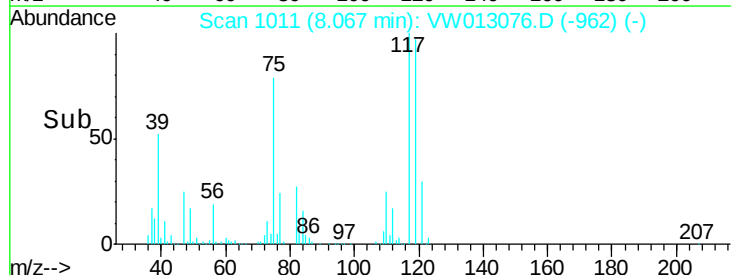
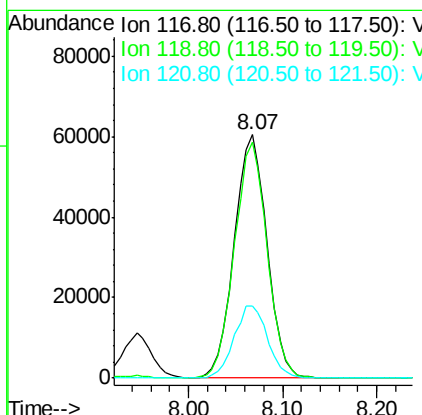
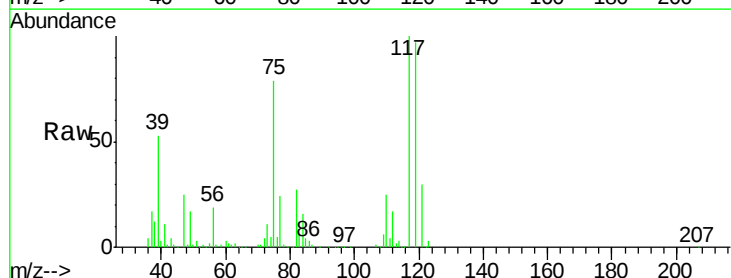
Manual Integrations  
APPROVED

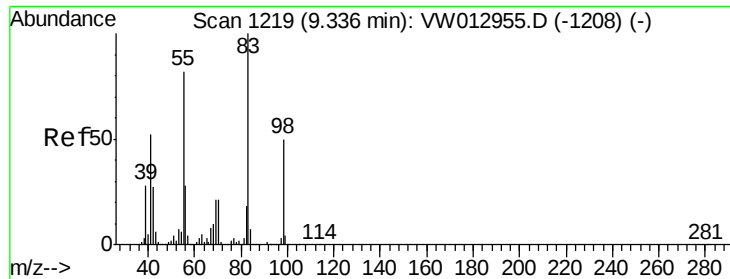
MMDadoda  
9/18/2019 2:01:38 PM



#38  
Carbon Tetrachloride  
Concen: 42.869 ug/l  
RT: 8.07 min Scan# 1011  
Delta R.T. -0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.0  | 79.4  | 119.0 |
| 121     | 29.8  | 24.6  | 36.8  |





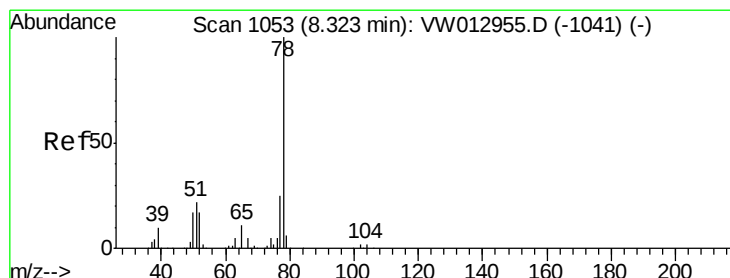
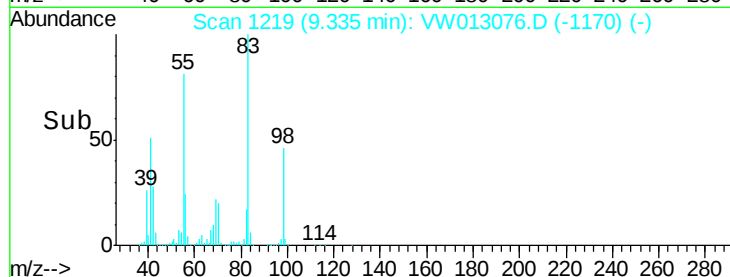
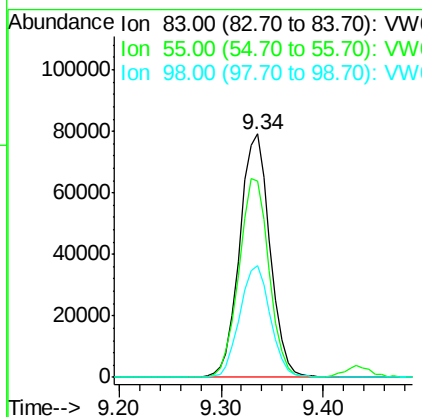
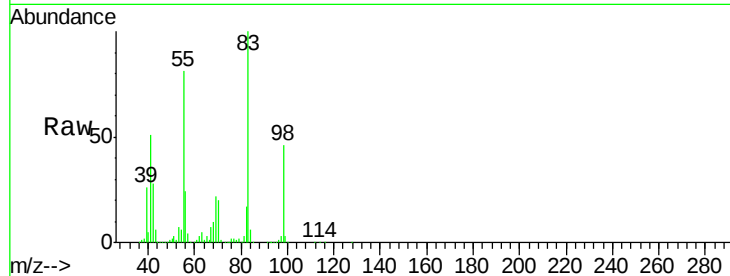
#39  
Methvlcvclohexane  
Concen: 44.532 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 80.6  | 65.9  | 98.9  |
| 98      | 45.8  | 39.6  | 59.4  |

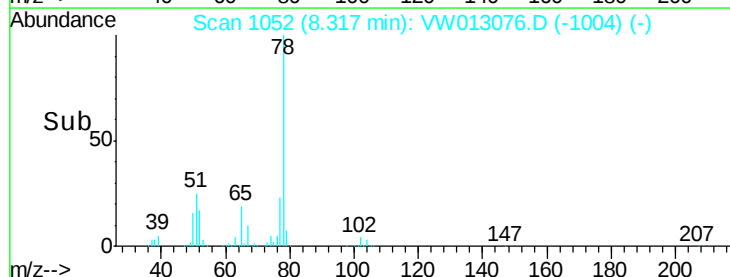
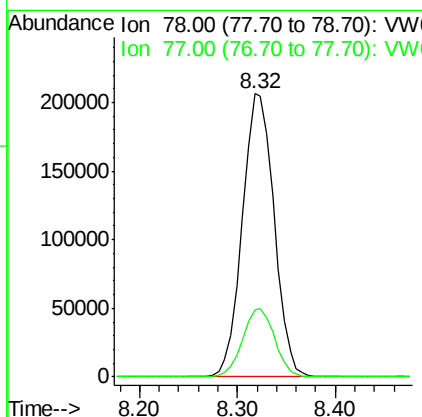
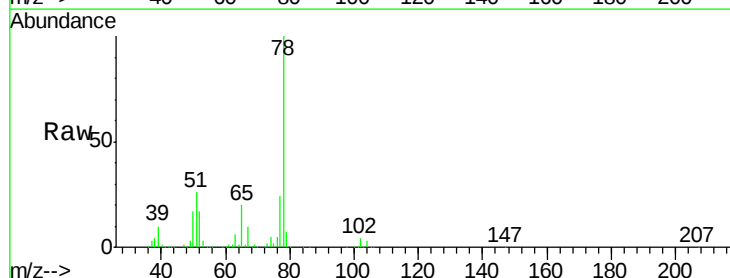
Manual Integrations  
APPROVED

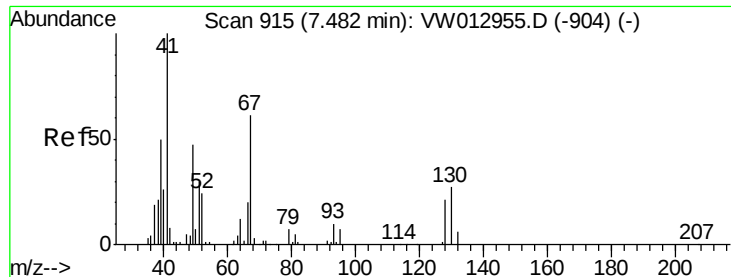
MMDadoda  
9/18/2019 2:01:38 PM



#40  
Benzene  
Concen: 49.762 ug/l  
RT: 8.32 min Scan# 1052  
Delta R.T. -0.01 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.5  | 19.6  | 29.4  |





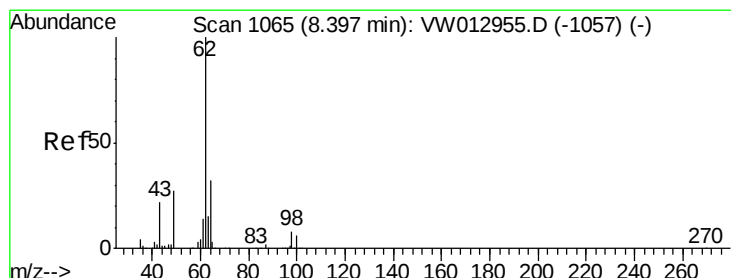
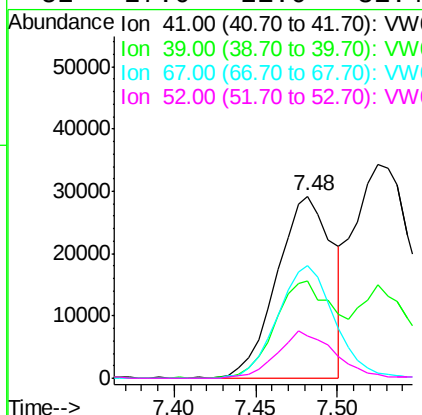
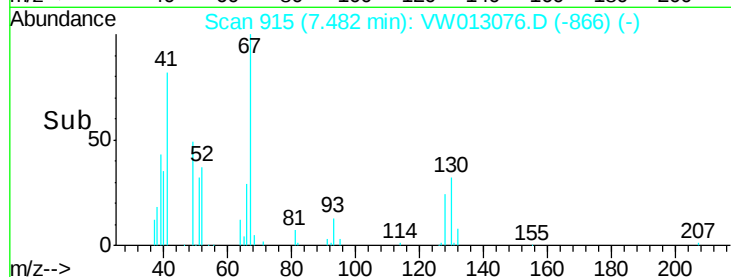
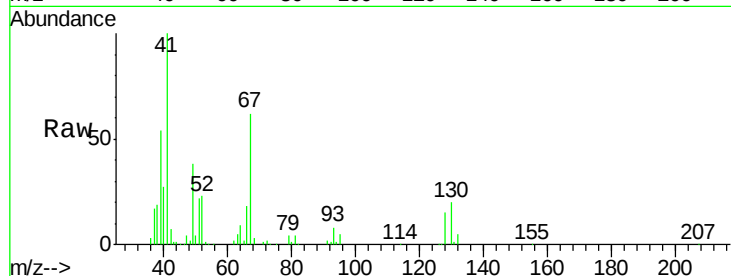
#41  
Methacrylonitrile  
Concen: 59.415 ug/l  
RT: 7.48 min Scan# 915  
Delta R.T. -0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 41      | 100  |       | 69438 |       |       |
| 39      | 58.7 | 48.2  | 72.4  |       |       |
| 67      | 63.5 | 47.5  | 71.3  |       |       |
| 52      | 27.0 | 21.0  | 31.4  |       |       |

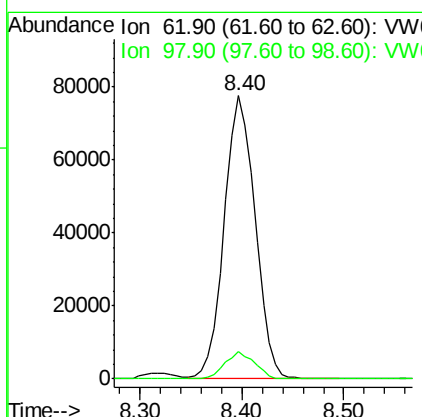
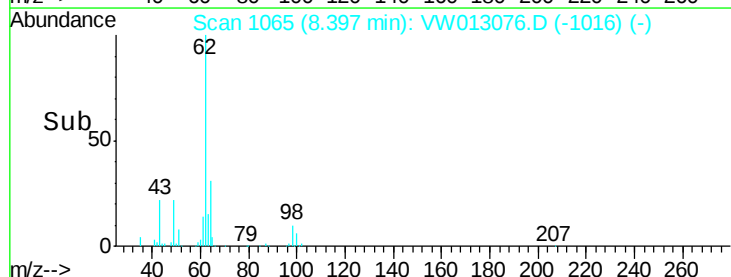
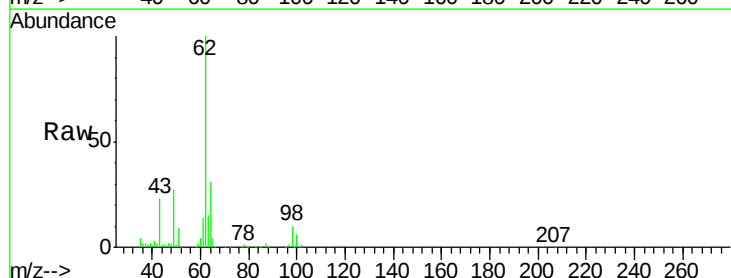
Manual Integrations  
APPROVED

MMDadoda  
9/18/2019 2:01:38 PM



#42  
1,2-Dichloroethane  
Concen: 52.173 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. -0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 62      | 100 |       | 163247 |       |       |
| 98      | 9.3 | 0.0   | 16.8   |       |       |





#43

Isopropyl Acetate

Concen: 61.908 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

Instrument :

MSVOA\_W

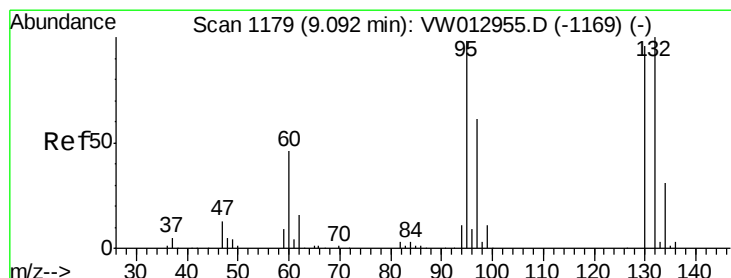
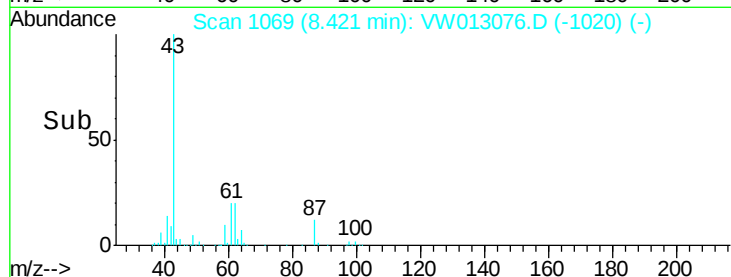
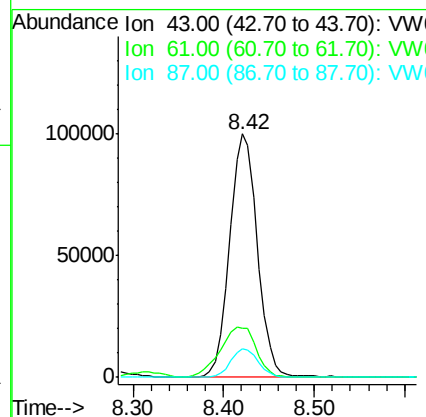
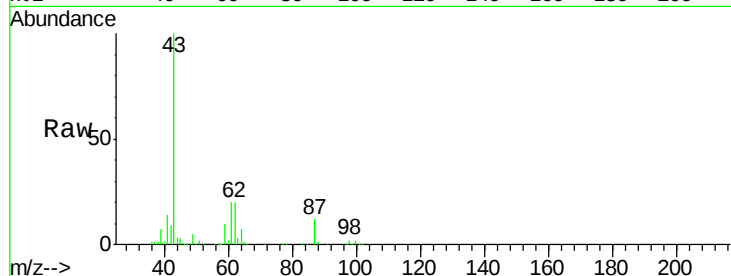
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 210951 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 27.2  | 22.7  | 34.1   |
| 87       | 11.8  | 9.4   | 14.2   |

Manual Integrations  
APPROVED

MMDadoda  
9/18/2019 2:01:38 PM



#44

Trichloroethene

Concen: 47.750 ug/l

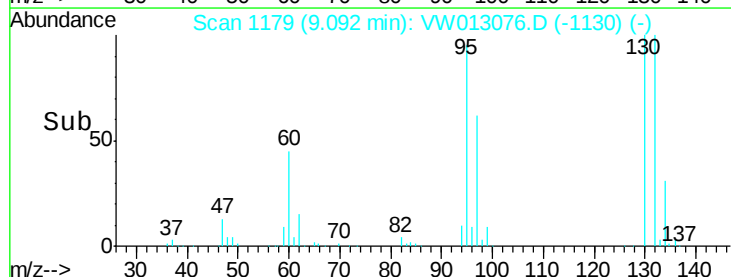
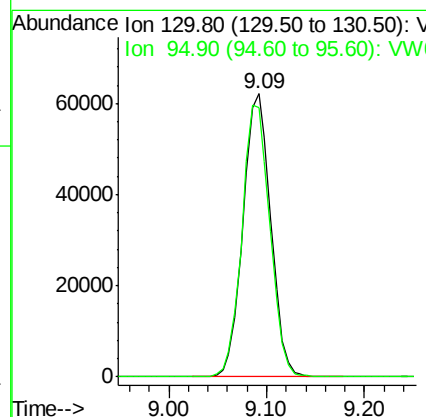
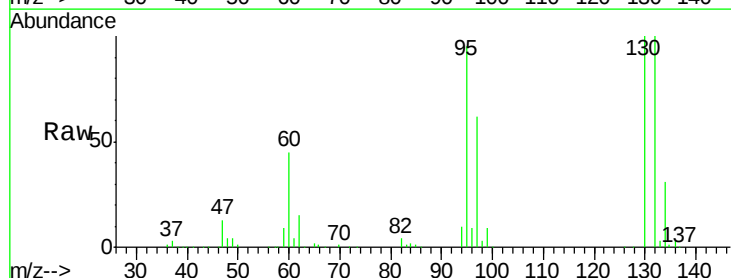
RT: 9.09 min Scan# 1179

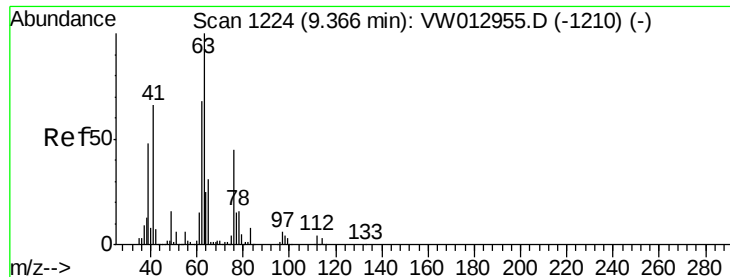
Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 122081 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 95.1  | 0.0   | 204.4  |





#45

1,2-Dichloropropane

Concen: 54.346 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 134772

Ion Ratio Lower Upper

63 100

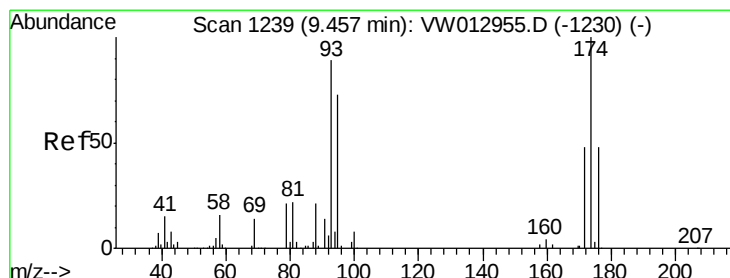
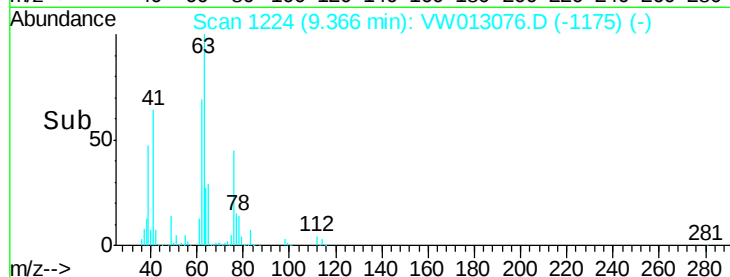
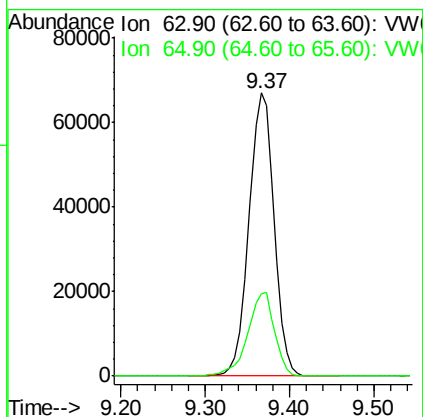
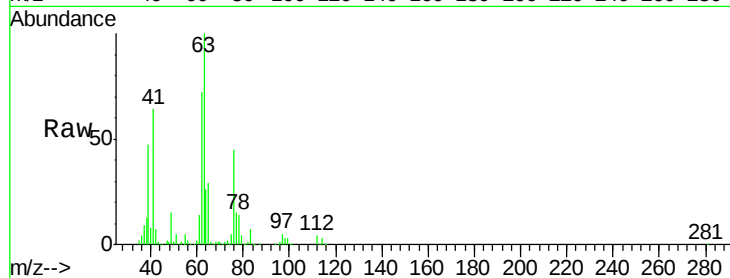
65 29.0 24.6 37.0

Manual Integrations

APPROVED

MMDadoda

9/18/2019 2:01:38 PM



#46

Dibromomethane

Concen: 56.240 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

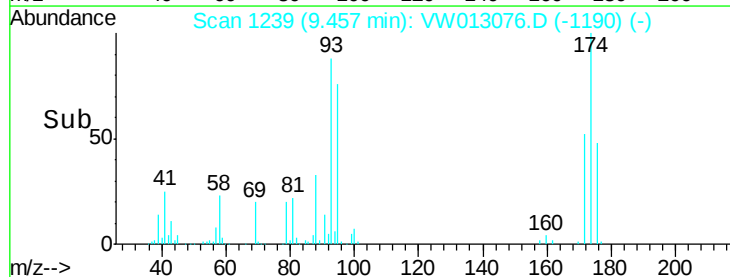
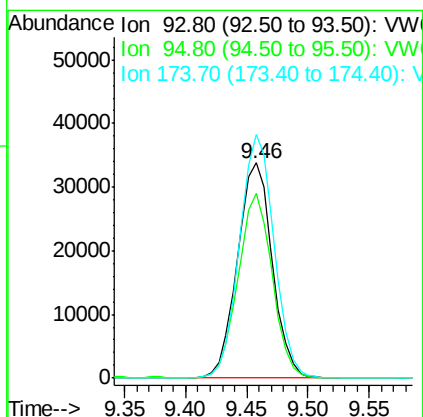
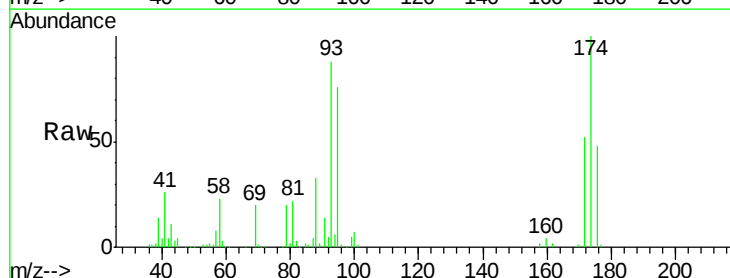
Tgt Ion: 93 Resp: 66820

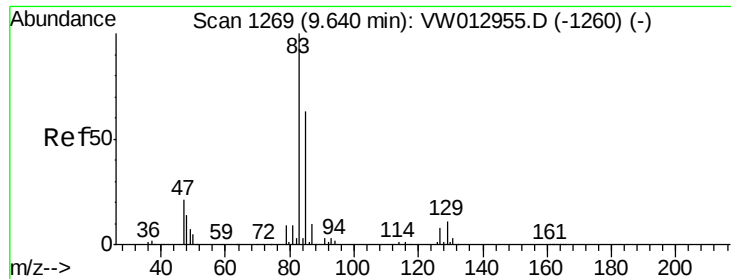
Ion Ratio Lower Upper

93 100

95 84.3 67.0 100.4

174 112.4 90.5 135.7





#47

Bromodichloromethane

Concen: 52.966 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

Instrument :

MSVOA\_W

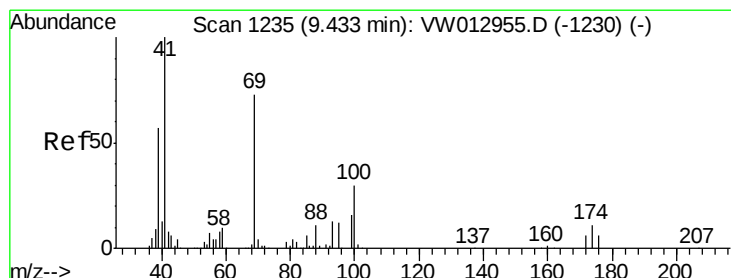
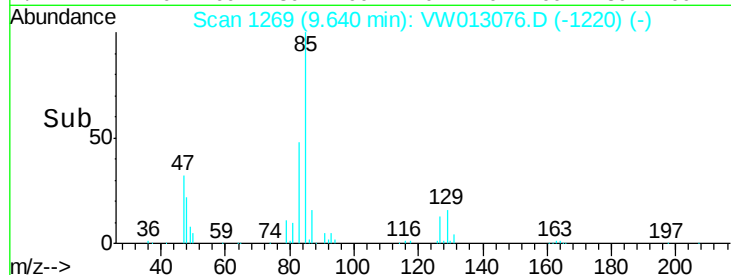
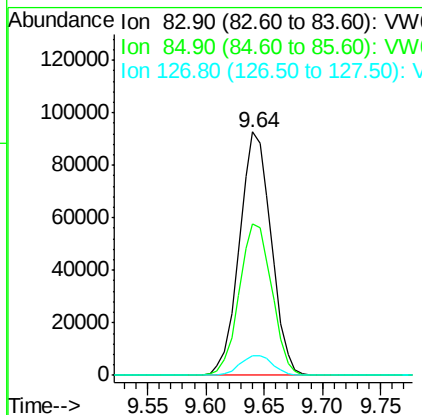
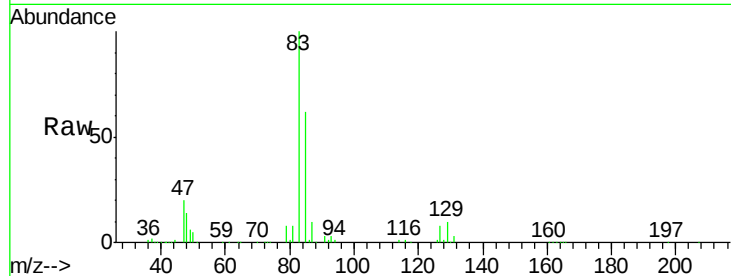
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 176518 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 62.4  | 50.6  | 75.8   |
| 127      | 7.9   | 6.7   | 10.1   |

Manual Integrations  
APPROVED

MMDadoda  
9/18/2019 2:01:38 PM



#48

Methyl methacrylate

Concen: 62.682 ug/l

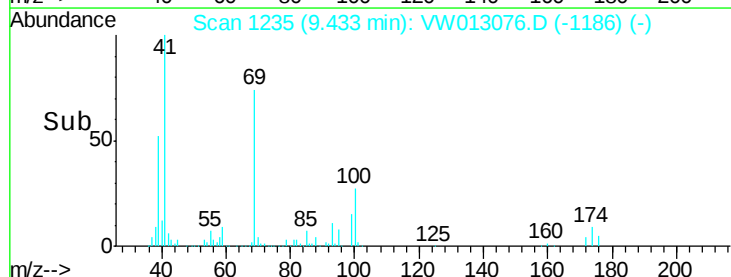
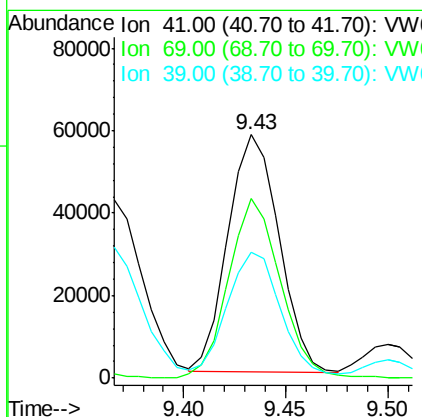
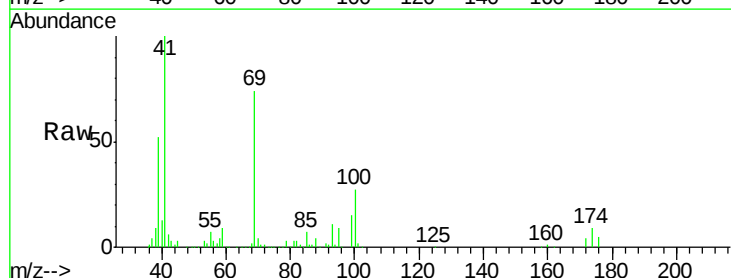
RT: 9.43 min Scan# 1235

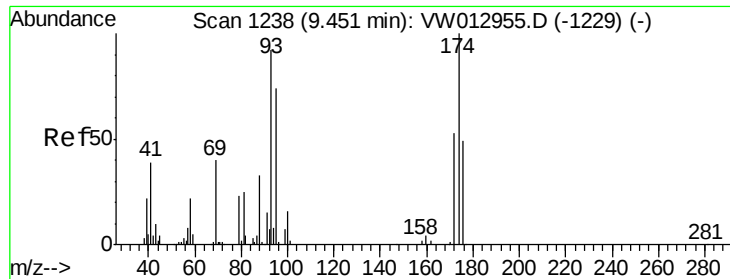
Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 100240 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 76.7  | 62.8  | 94.2   |
| 39       | 56.4  | 48.5  | 72.7   |





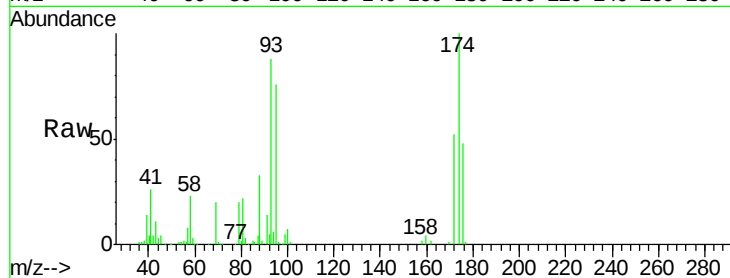
#49  
1,4-Dioxane  
Concen: 1319.949 ug/l  
RT: 9.46 min Scan# 1239  
Delta R.T. 0.01 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

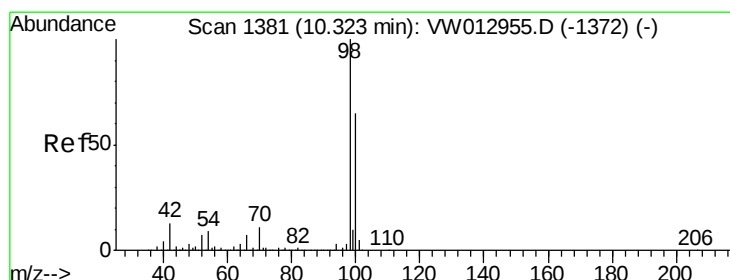
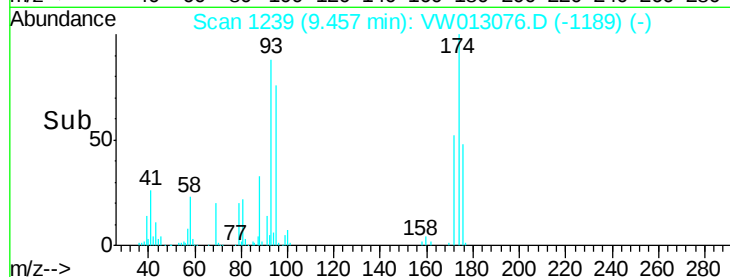
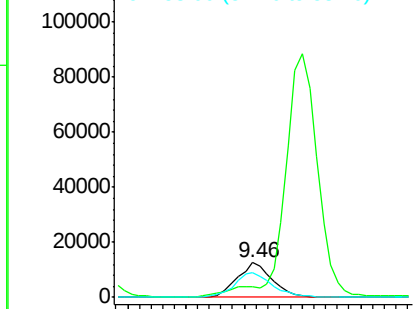
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 0.0   | 31.3  | 46.9# |
| 58      | 78.9  | 60.2  | 90.2  |

Manual Integrations  
APPROVED

MMDadoda  
9/18/2019 2:01:38 PM

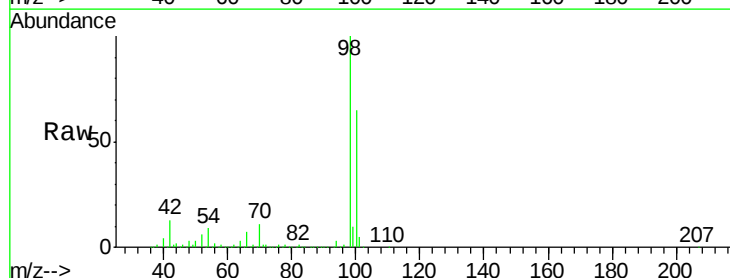


Abundance Ion 88.00 (87.70 to 88.70): VW  
Ion 43.00 (42.70 to 43.70): VW  
Ion 58.00 (57.70 to 58.70): VW

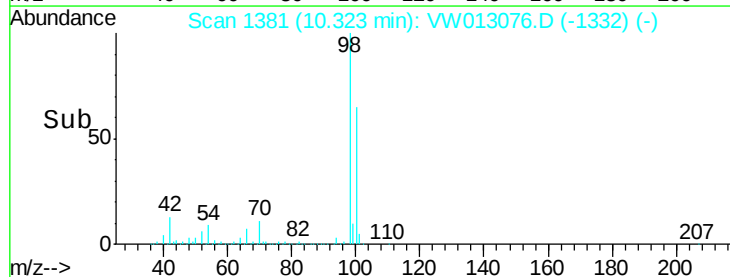
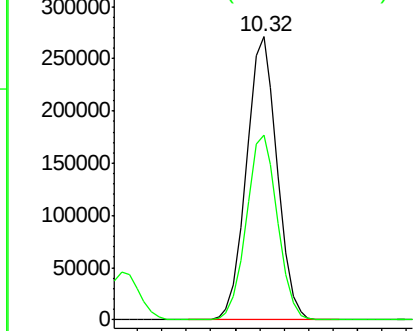


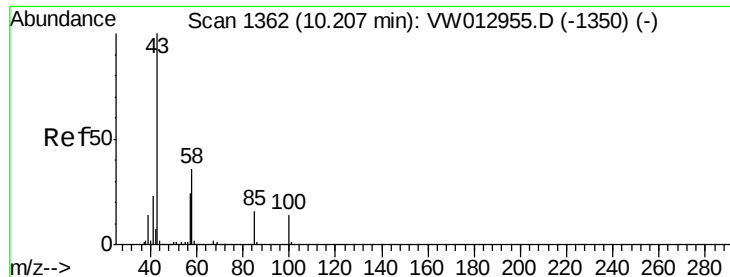
#50  
Toluene-d8  
Concen: 53.124 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.1  | 52.1  | 78.1  |



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: 323.967 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 569925

Ion Ratio Lower Upper

43 100

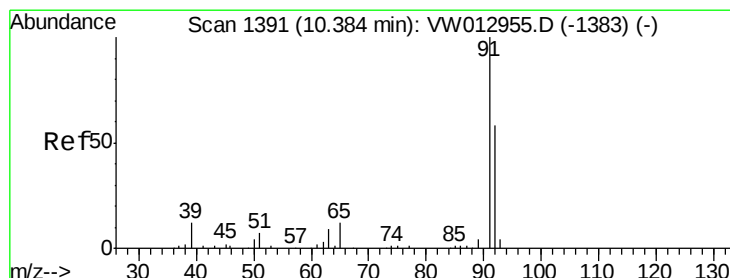
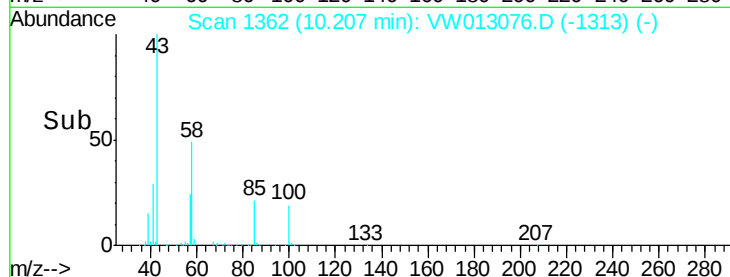
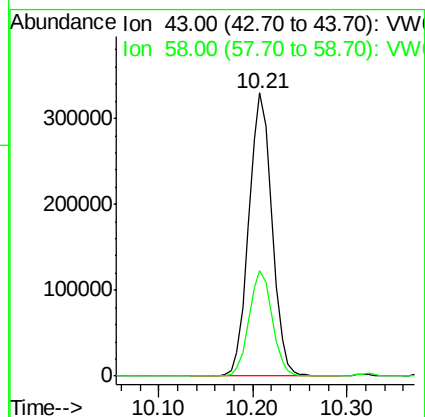
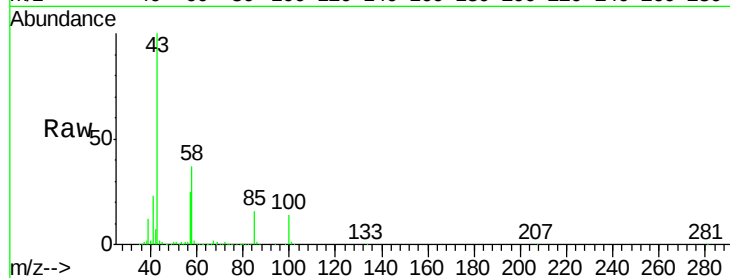
58 37.3 29.5 44.3

Manual Integrations

APPROVED

MMDadoda

9/18/2019 2:01:38 PM



#52

Toluene

Concen: 50.603 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013076.D

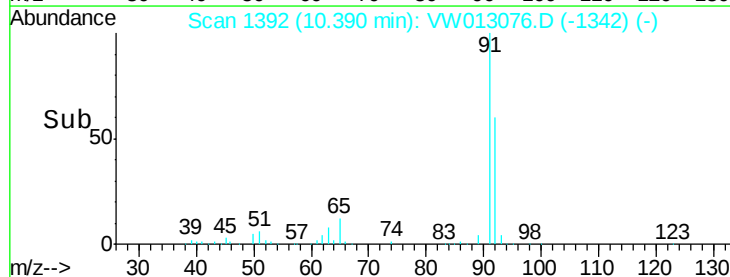
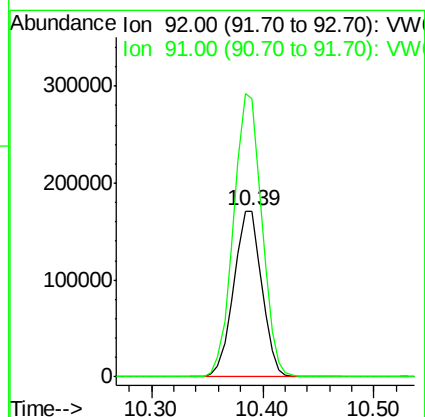
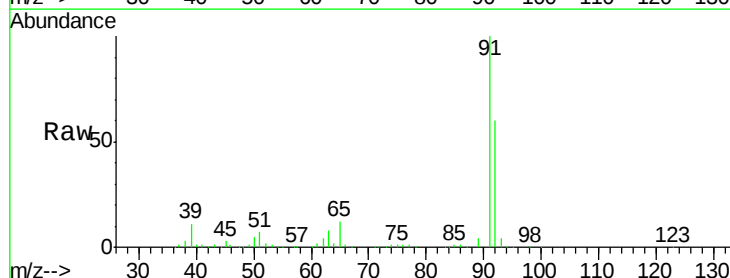
Acq: 17 Sep 2019 07:57

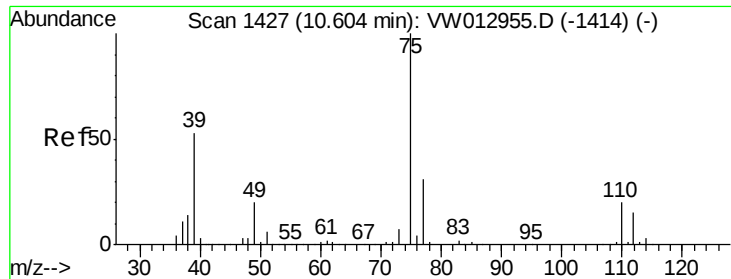
Tgt Ion: 92 Resp: 300136

Ion Ratio Lower Upper

92 100

91 171.4 137.5 206.3





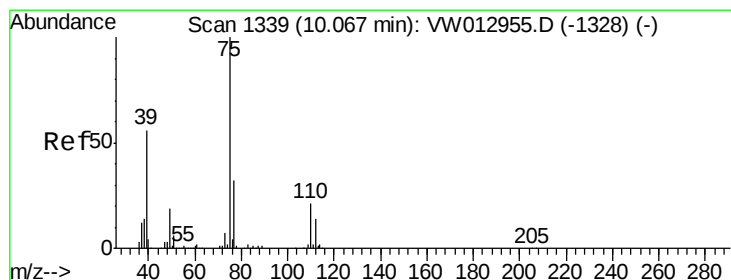
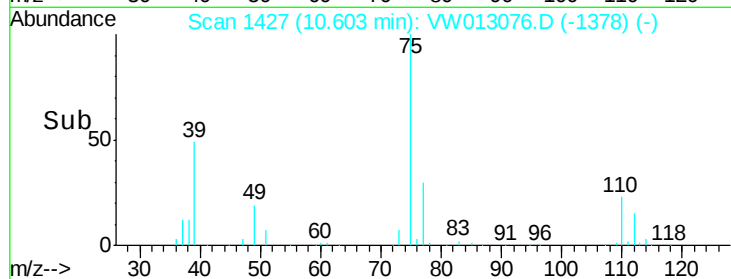
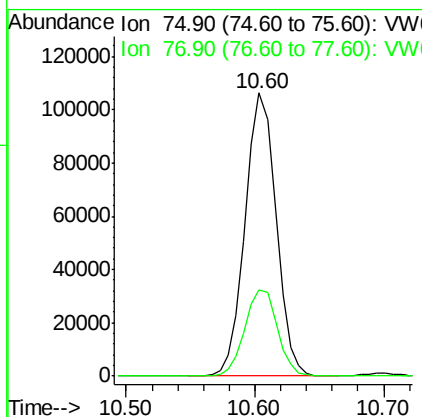
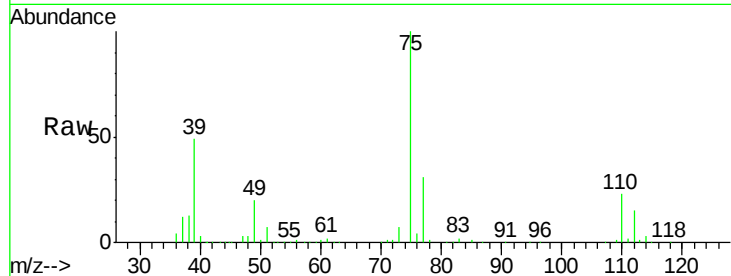
#53  
t-1,3-Dichloropropene  
Concen: 52.861 ug/l  
RT: 10.60 min Scan# 1427  
Delta R.T. -0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.6  | 24.6  | 37.0  |

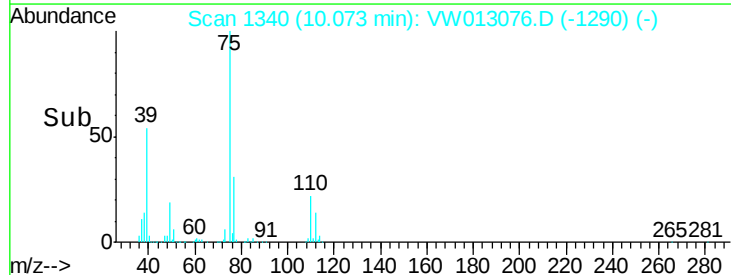
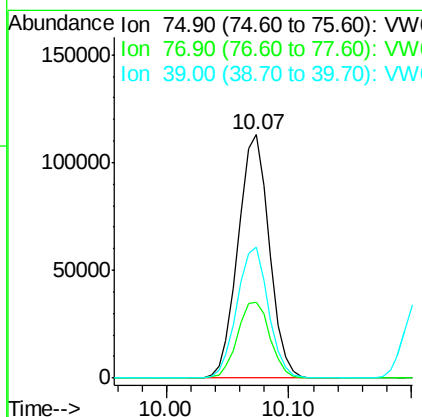
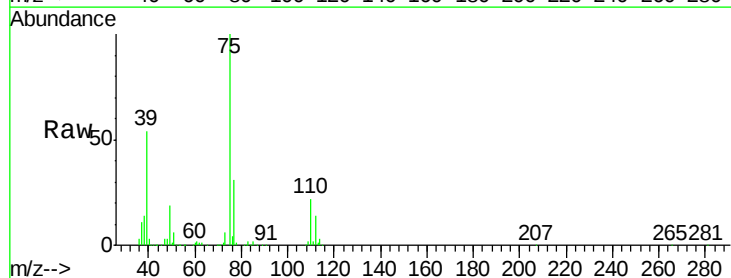
Manual Integrations  
APPROVED

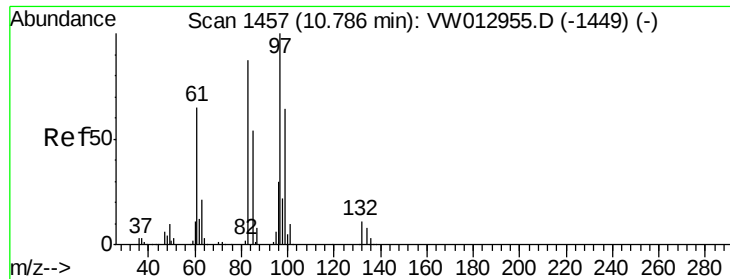
MMDadoda  
9/18/2019 2:01:38 PM



#54  
cis-1,3-Dichloropropene  
Concen: 52.287 ug/l  
RT: 10.07 min Scan# 1340  
Delta R.T. 0.01 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.1  | 25.5  | 38.3  |
| 39      | 53.8  | 45.0  | 67.6  |





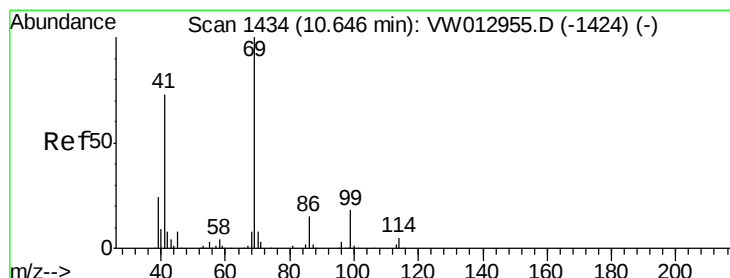
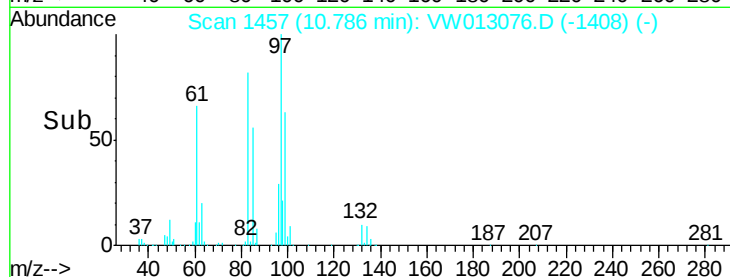
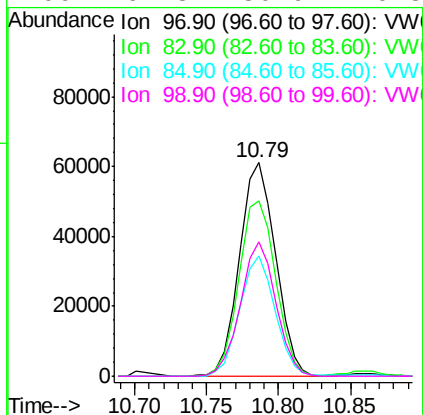
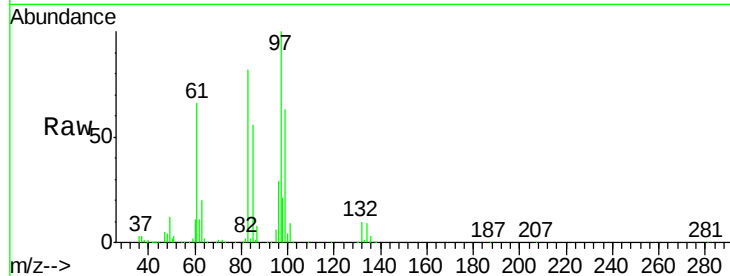
#55  
 1,1,2-Trichloroethane  
 Concen: 58.860 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. -0.00 min  
 Lab File: VW013076.D  
 Acq: 17 Sep 2019 07:57

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 106534 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 81.7  | 69.4  | 104.0  |
| 85       | 56.1  | 43.3  | 64.9   |
| 99       | 62.8  | 50.9  | 76.3   |

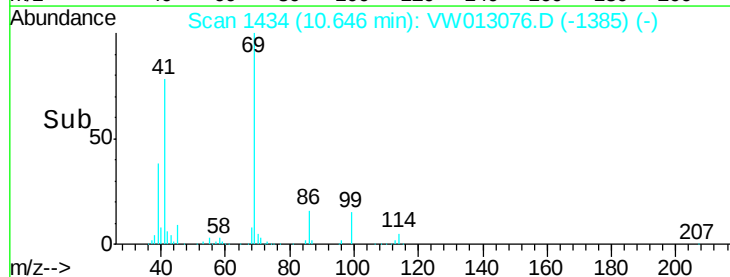
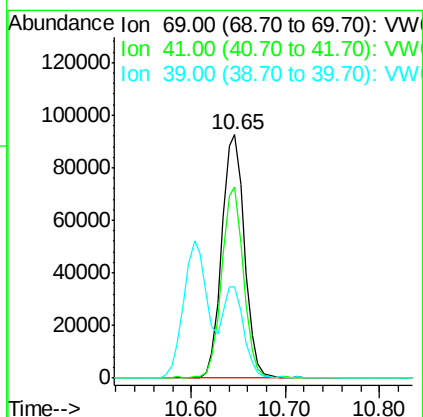
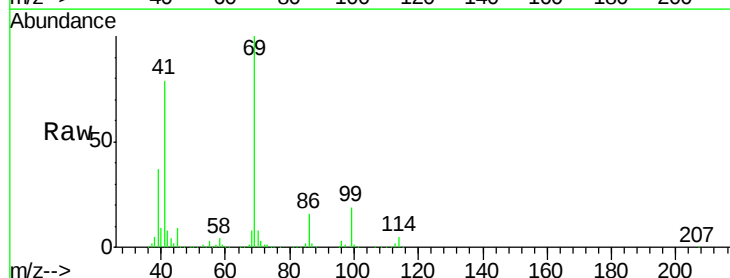
Manual Integrations  
 APPROVED

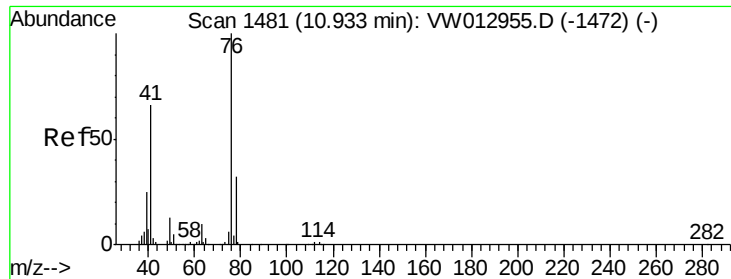
MMDadoda  
 9/18/2019 2:01:38 PM



#56  
 Ethyl methacrylate  
 Concen: 63.483 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. -0.00 min  
 Lab File: VW013076.D  
 Acq: 17 Sep 2019 07:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 154660 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 75.8  | 60.8  | 91.2   |
| 39       | 33.4  | 29.4  | 44.0   |





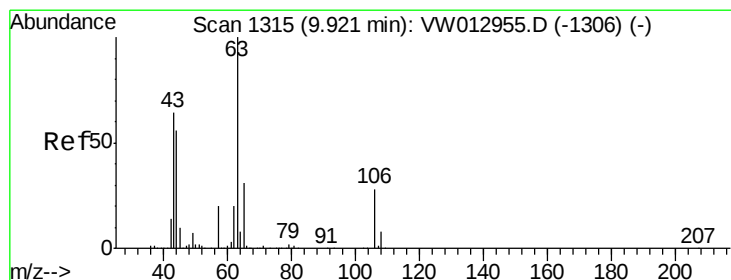
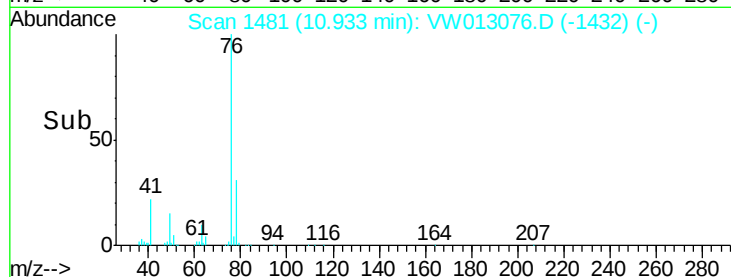
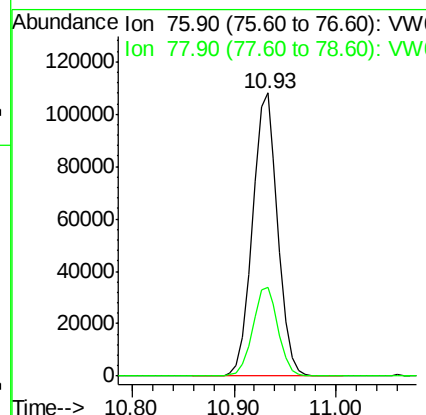
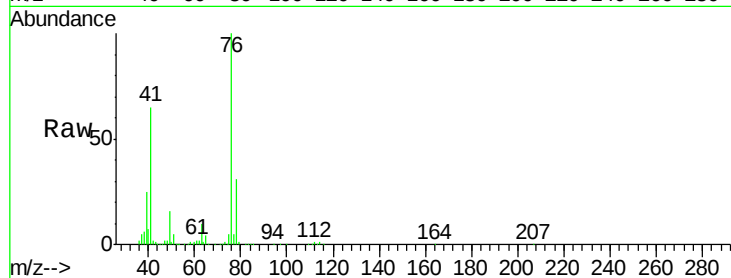
#57  
 1,3-Dichloropropane  
 Concen: 57.588 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. -0.00 min  
 Lab File: VW013076.D  
 Acq: 17 Sep 2019 07:57

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 31.8  | 25.6  | 38.4  |

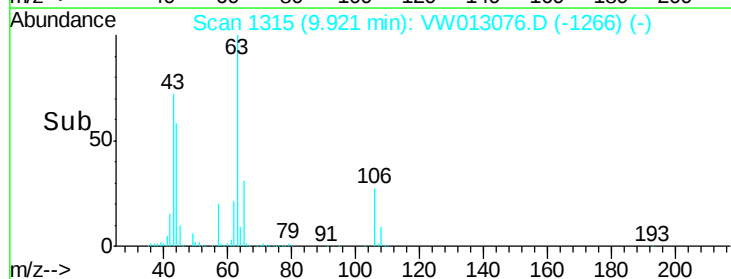
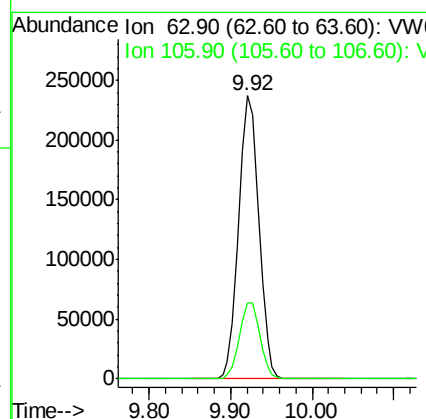
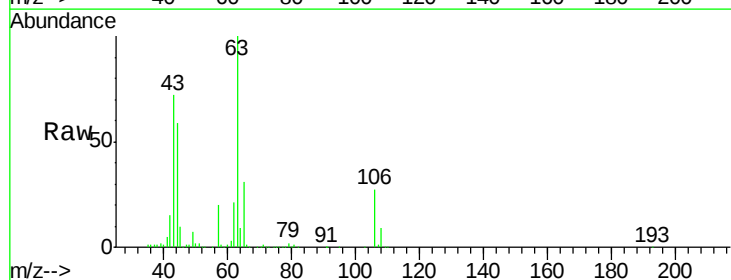
Manual Integrations  
 APPROVED

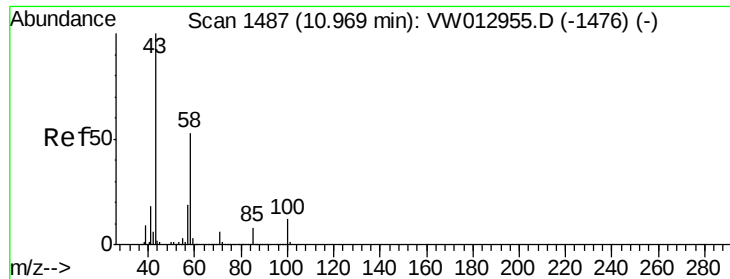
MMDadoda  
 9/18/2019 2:01:38 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 308.368 ug/l  
 RT: 9.92 min Scan# 1315  
 Delta R.T. -0.00 min  
 Lab File: VW013076.D  
 Acq: 17 Sep 2019 07:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 27.3  | 22.2  | 33.2  |





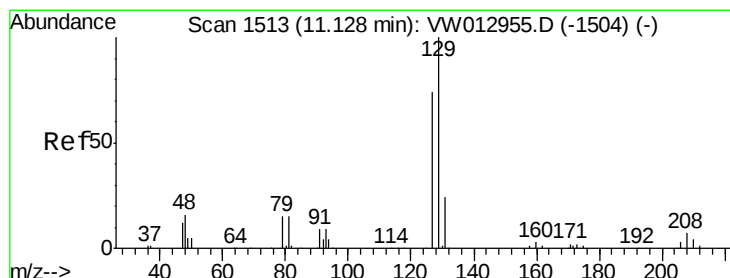
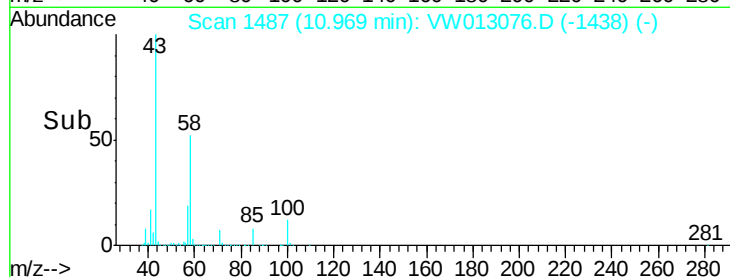
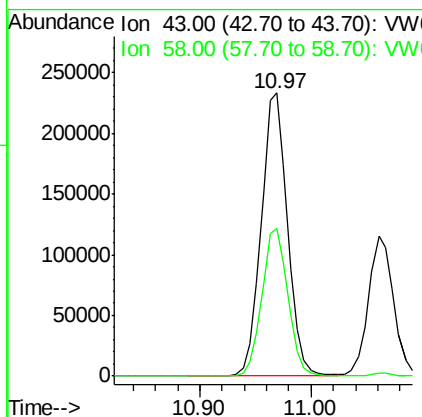
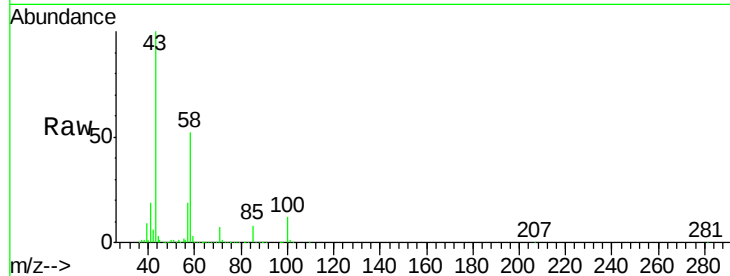
#59  
2-Hexanone  
Concen: 312.706 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 383050  
Ion Ratio Lower Upper  
43 100  
58 51.9 25.8 77.3

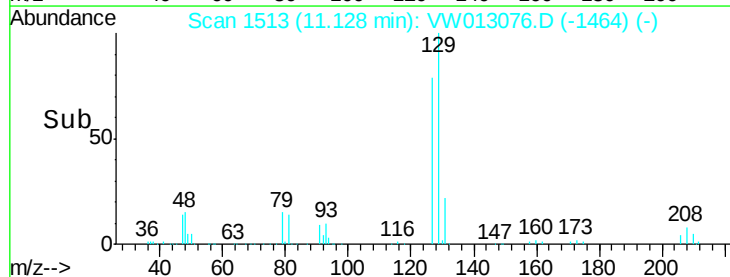
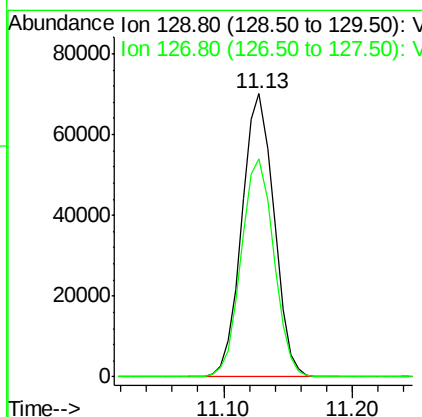
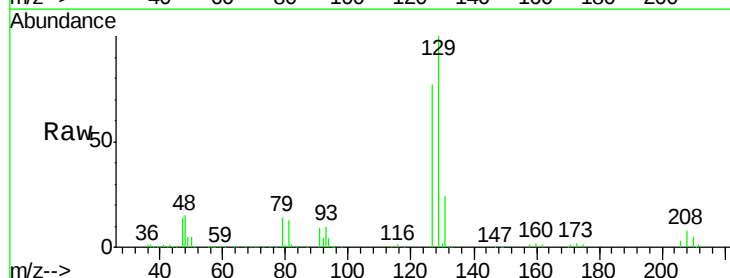
Manual Integrations  
APPROVED

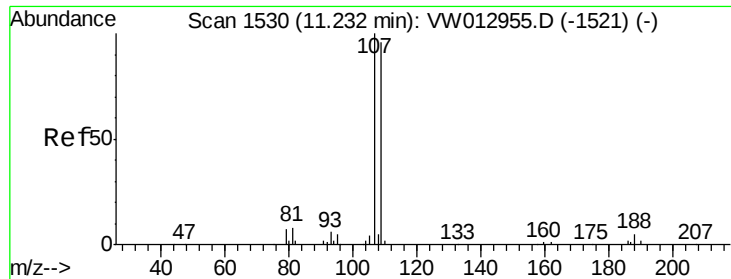
MMDadoda  
9/18/2019 2:01:38 PM



#60  
Dibromochloromethane  
Concen: 55.243 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

Tgt Ion: 129 Resp: 120885  
Ion Ratio Lower Upper  
129 100  
127 78.3 37.4 112.2





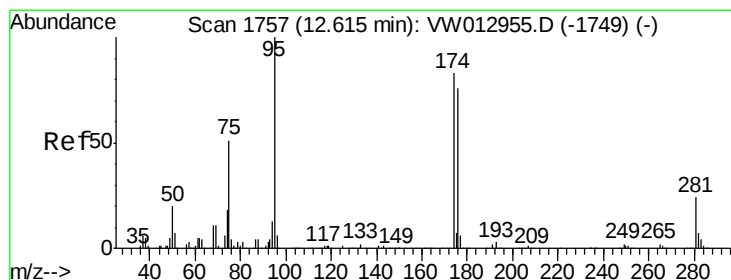
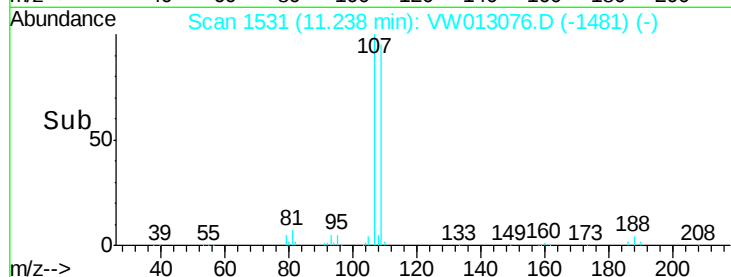
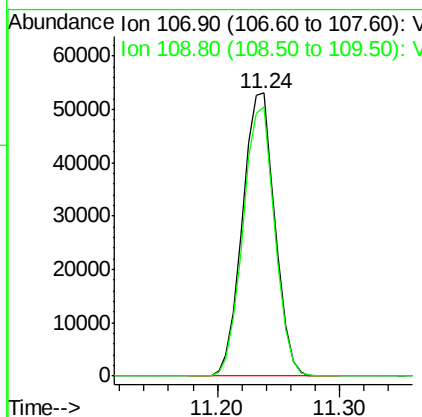
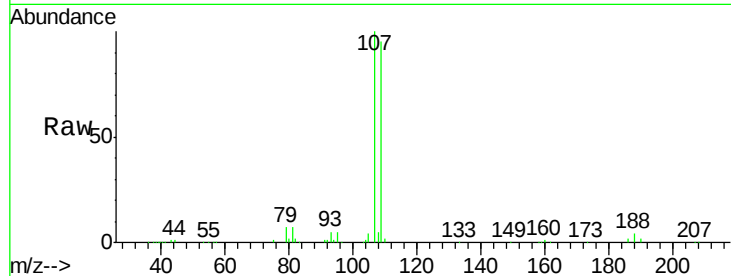
#61  
 1,2-Dibromoethane  
 Concen: 59.185 ug/l  
 RT: 11.24 min Scan# 1531  
 Delta R.T. 0.01 min  
 Lab File: VW013076.D  
 Acq: 17 Sep 2019 07:57

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 107 Resp: 97721  
 Ion Ratio Lower Upper  
 107 100  
 109 93.5 75.0 112.6

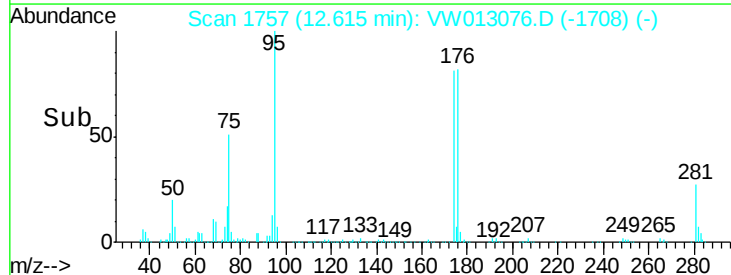
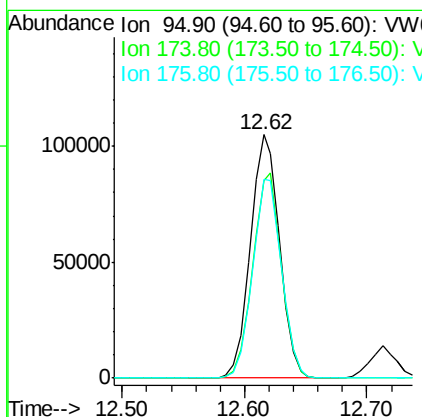
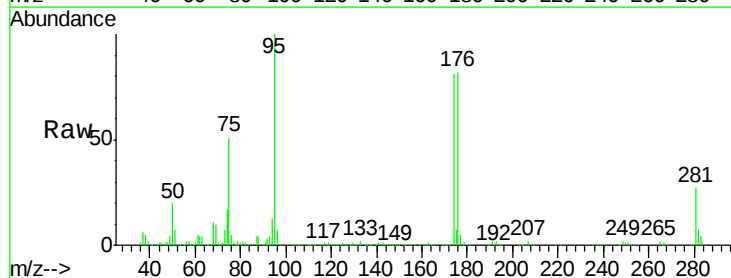
Manual Integrations  
 APPROVED

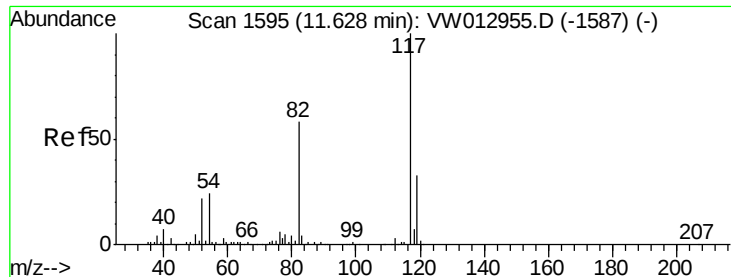
MMDadoda  
 9/18/2019 2:01:38 PM



#62  
 4-Bromofluorobenzene  
 Concen: 54.433 ug/l  
 RT: 12.62 min Scan# 1757  
 Delta R.T. -0.00 min  
 Lab File: VW013076.D  
 Acq: 17 Sep 2019 07:57

Tgt Ion: 95 Resp: 173891  
 Ion Ratio Lower Upper  
 95 100  
 174 82.8 0.0 170.4  
 176 81.5 0.0 164.6





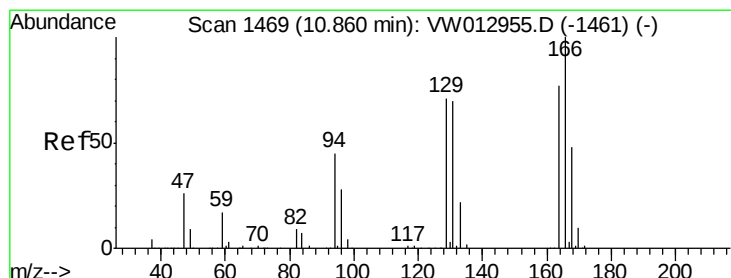
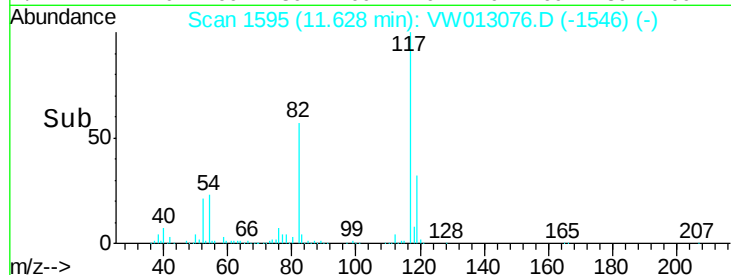
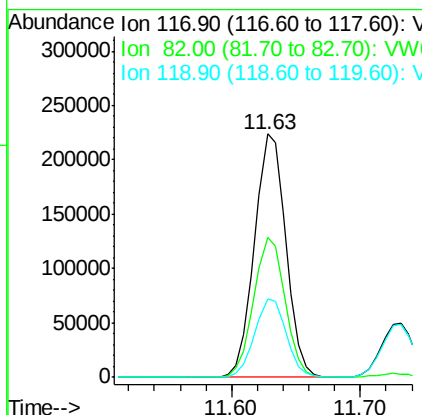
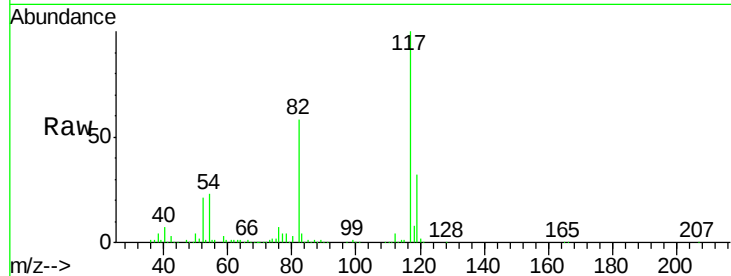
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 57.5  | 46.3  | 69.5  |
| 119     | 32.1  | 26.2  | 39.4  |

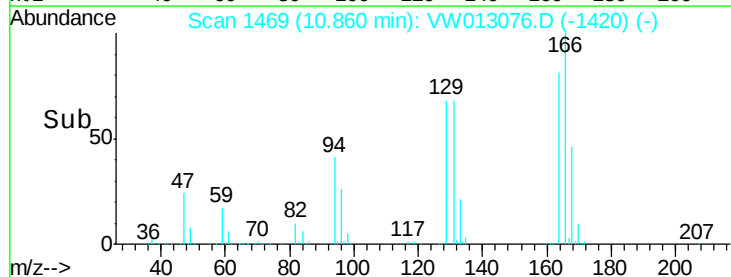
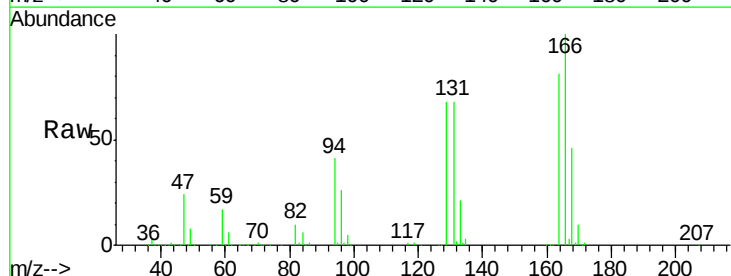
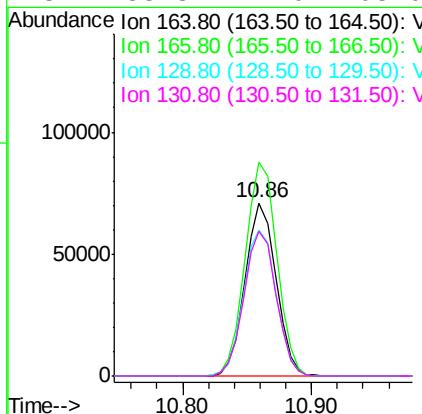
Manual Integrations  
APPROVED

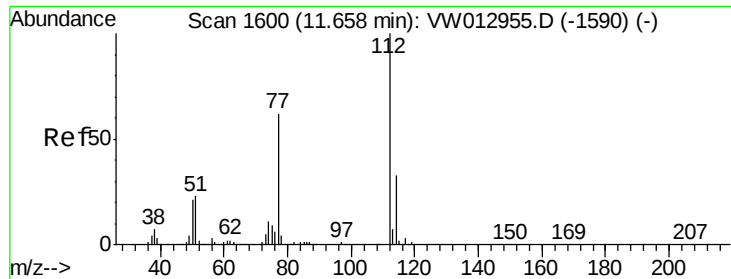
MMDadoda  
9/18/2019 2:01:38 PM



#64  
Tetrachloroethene  
Concen: 52.636 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 123.4 | 103.3 | 154.9 |
| 129     | 84.3  | 73.8  | 110.8 |
| 131     | 83.3  | 72.0  | 108.0 |





#65

Chlorobenzene

Concen: 50.420 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 337273

Ion Ratio Lower Upper

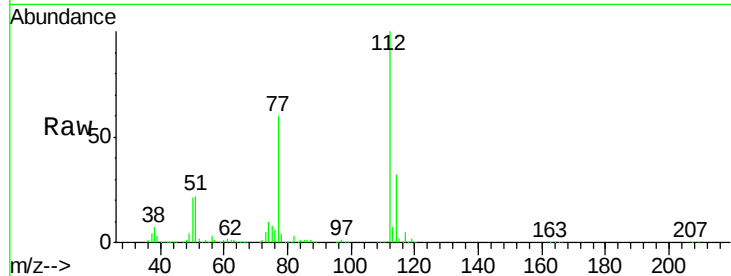
112 100

114 32.0 26.4 39.6

Manual Integrations  
APPROVED

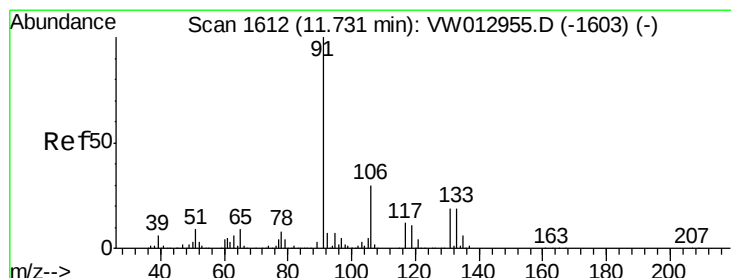
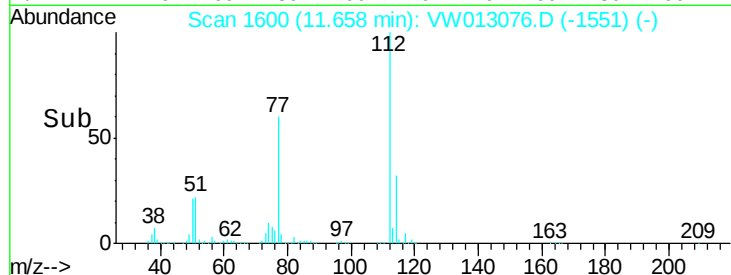
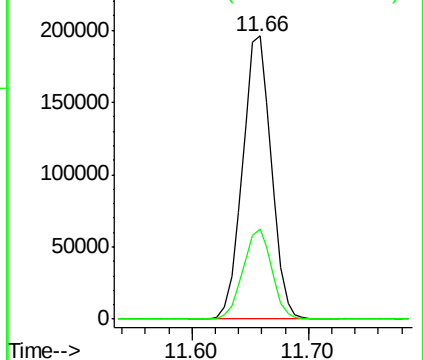
MMDadoda

9/18/2019 2:01:38 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.076 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

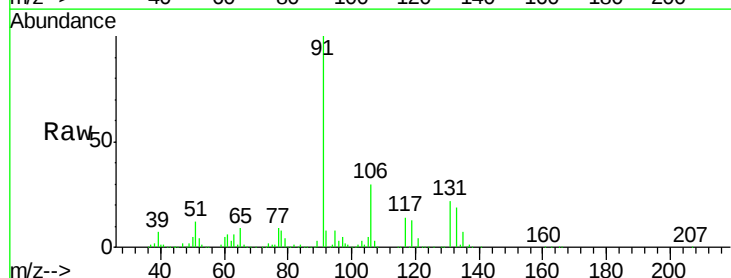
Tgt Ion:131 Resp: 130931

Ion Ratio Lower Upper

131 100

133 94.0 47.9 143.8

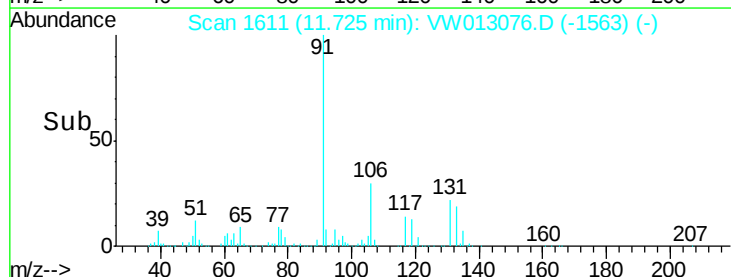
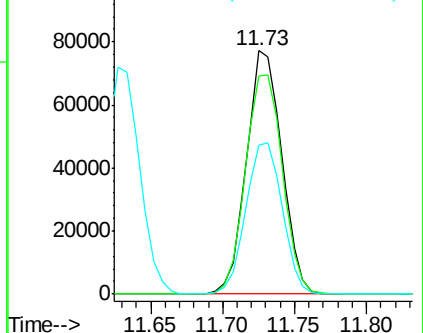
119 64.0 30.9 92.7

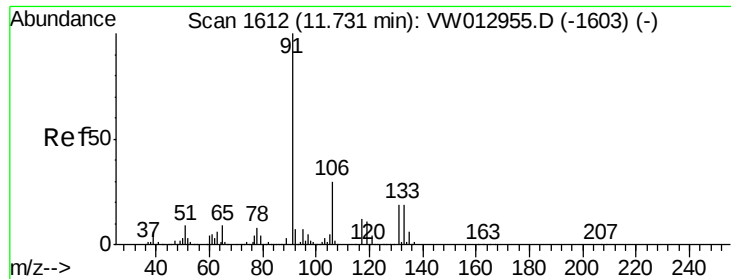


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





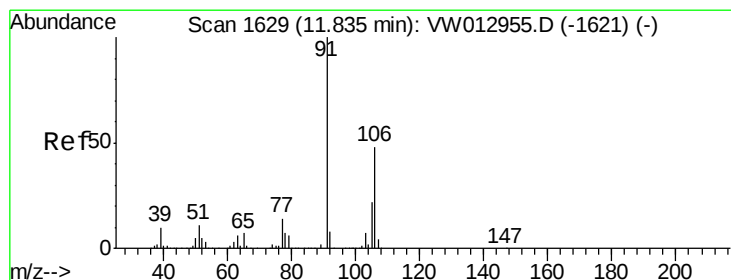
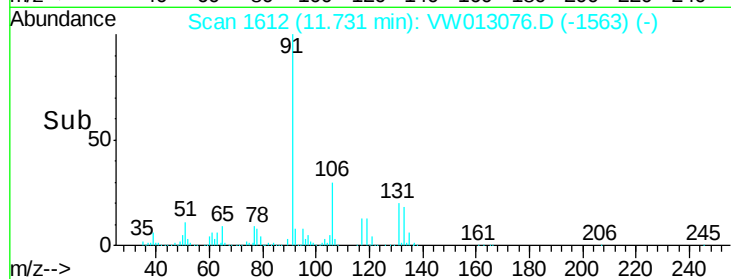
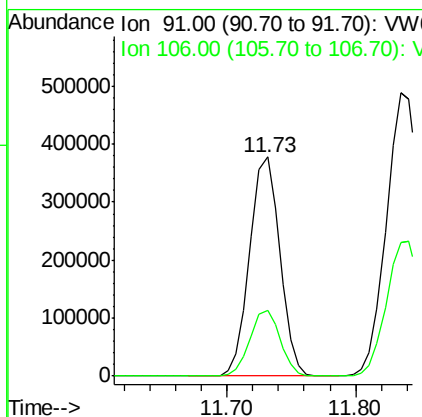
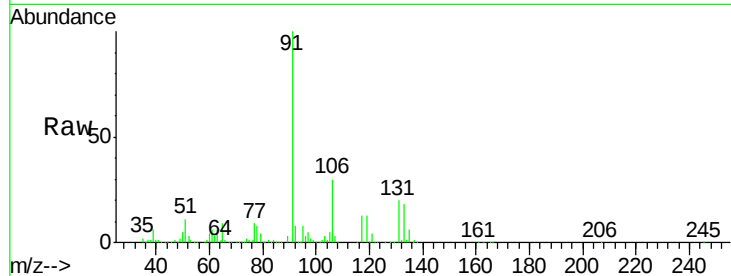
#67  
Ethyl Benzene  
Concen: 49.585 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 612593  
Ion Ratio Lower Upper  
91 100  
106 30.0 24.3 36.5

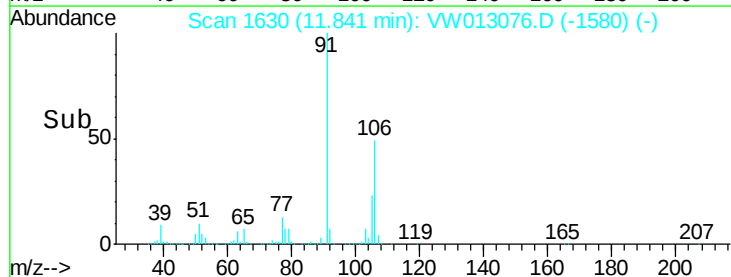
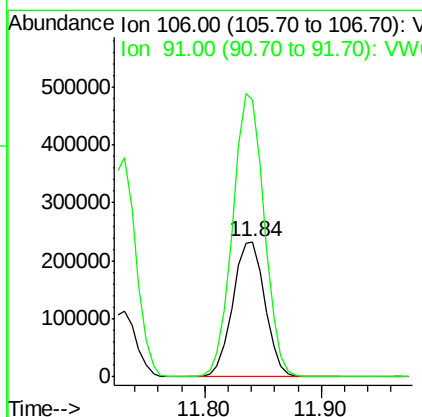
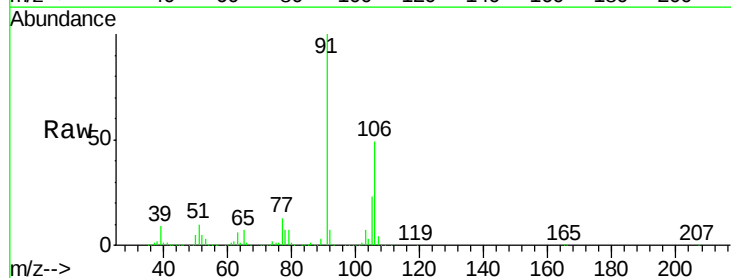
Manual Integrations  
APPROVED

MMDadoda  
9/18/2019 2:01:38 PM



#68  
m/p-Xylenes  
Concen: 98.999 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. 0.01 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

Tgt Ion: 106 Resp: 446803  
Ion Ratio Lower Upper  
106 100  
91 205.8 165.8 248.8





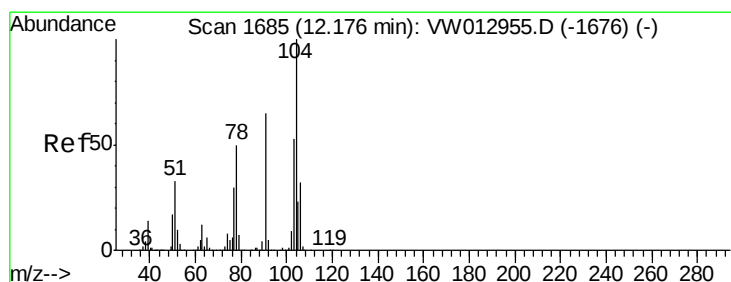
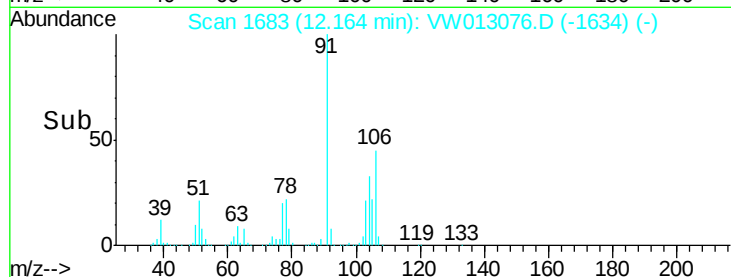
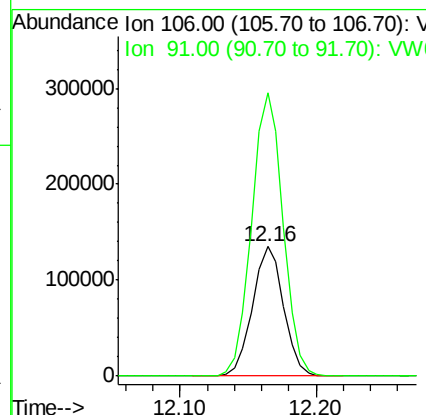
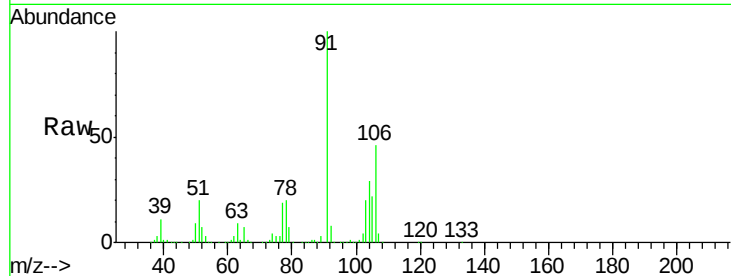
#69  
o-Xylene  
Concen: 50.913 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 215426 |       |       |
| 91      | 221.3 | 109.7 | 329.0  |       |       |

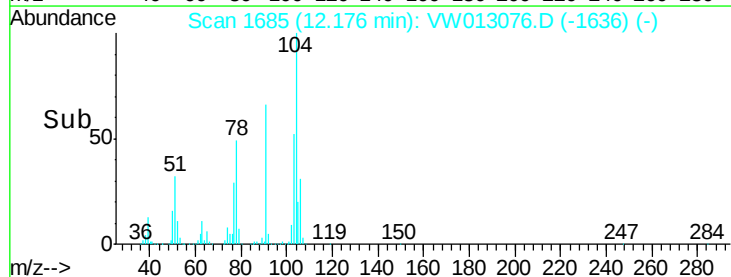
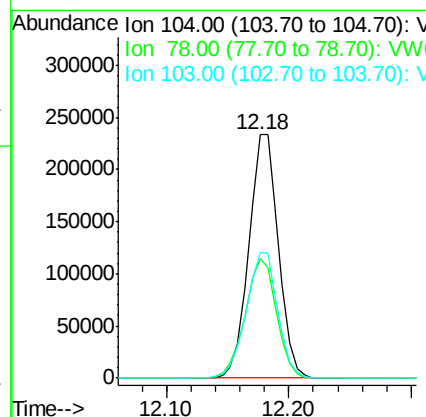
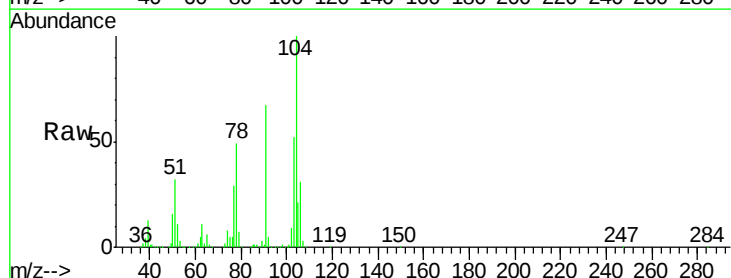
Manual Integrations  
APPROVED

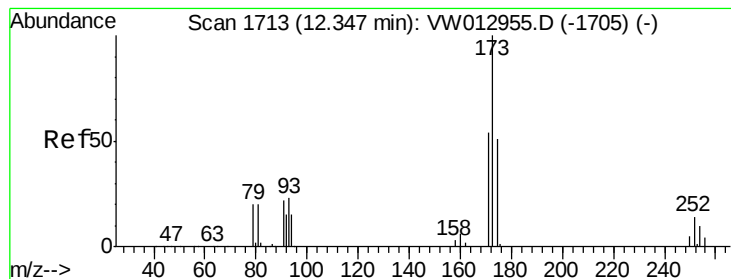
MMDadoda  
9/18/2019 2:01:38 PM



#70  
Styrene  
Concen: 52.010 ug/l  
RT: 12.18 min Scan# 1685  
Delta R.T. -0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       | 391471 |       |       |
| 78      | 52.0 | 42.1  | 63.1   |       |       |
| 103     | 55.1 | 44.2  | 66.4   |       |       |





#71

Bromoform

Concen: 55.098 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 74190

Ion Ratio Lower Upper

173 100

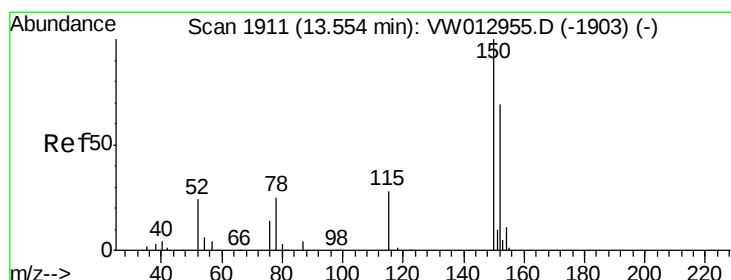
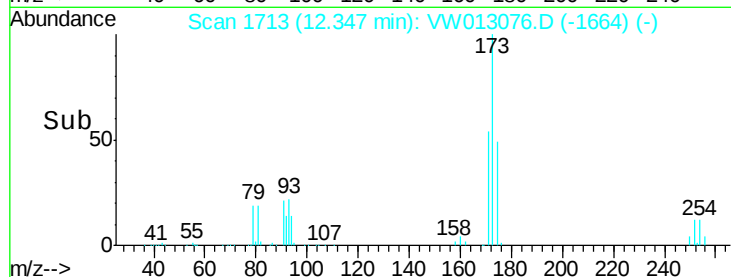
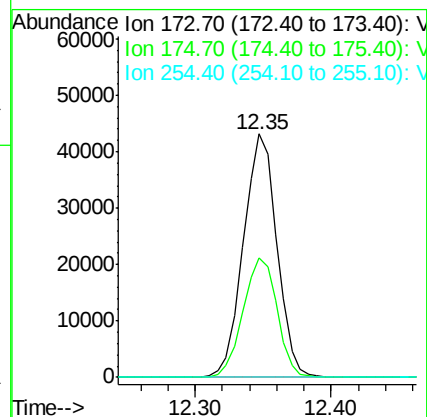
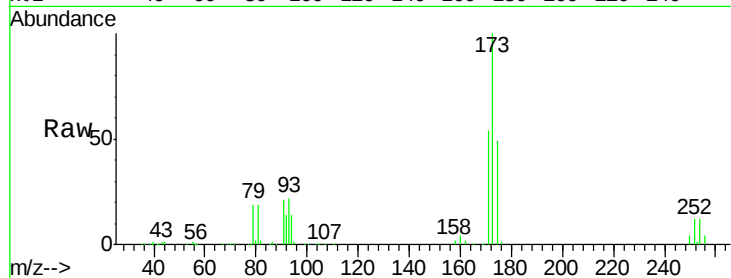
175 50.1 24.2 72.6

254 0.1 0.1 0.1

Manual Integrations  
APPROVED

MMDadoda

9/18/2019 2:01:38 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

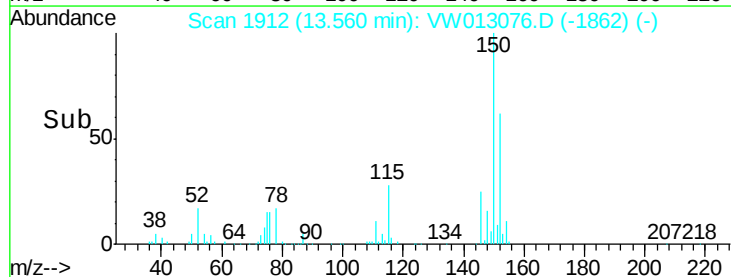
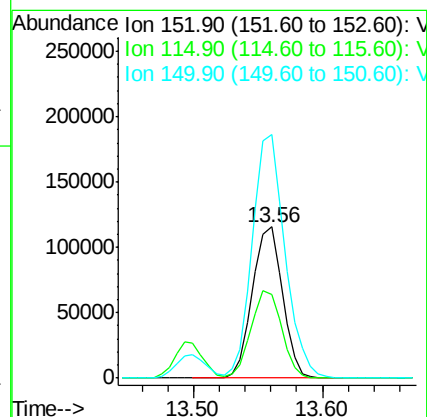
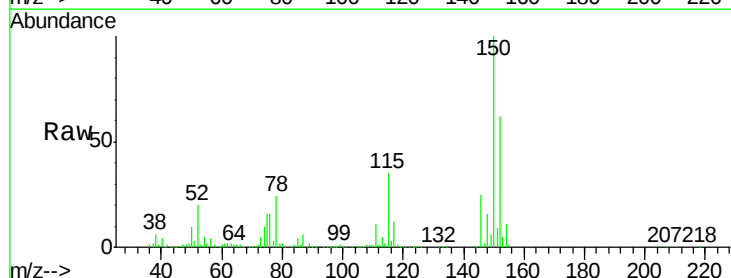
Tgt Ion:152 Resp: 187322

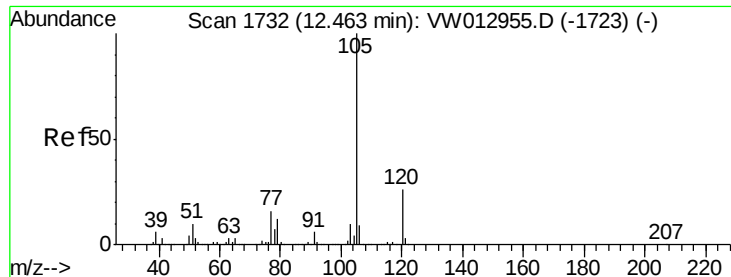
Ion Ratio Lower Upper

152 100

115 58.7 28.8 86.4

150 173.3 0.0 340.2





#73

Isopropylbenzene

Concen: 48.870 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 606778

Ion Ratio Lower Upper

105 100

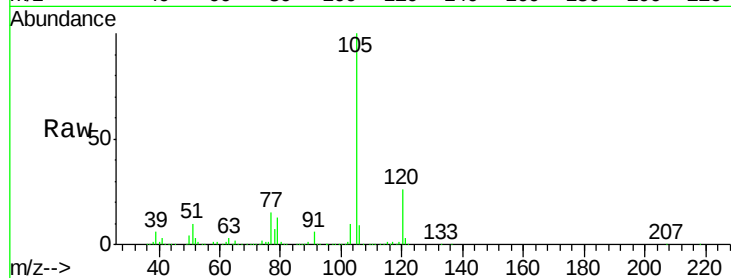
120 25.8 13.0 39.0

Manual Integrations

APPROVED

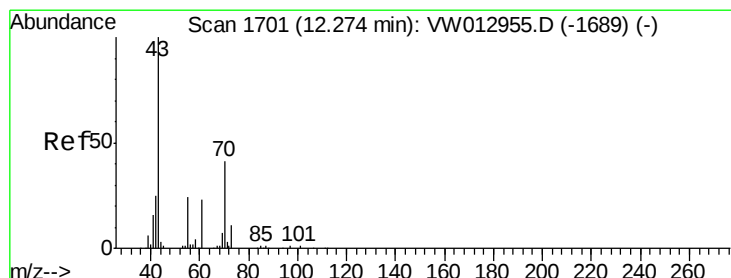
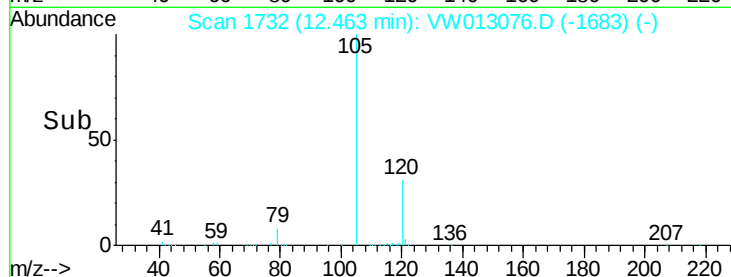
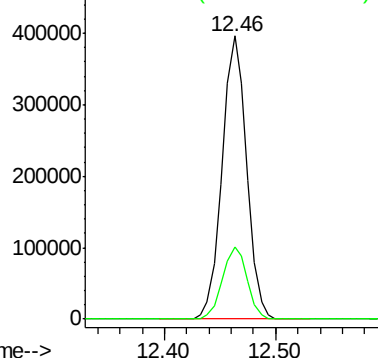
MMDadoda

9/18/2019 2:01:38 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 60.932 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

Tgt Ion: 43 Resp: 194615

Ion Ratio Lower Upper

43 100

70 39.0 31.7 47.5

55 23.2 19.4 29.2

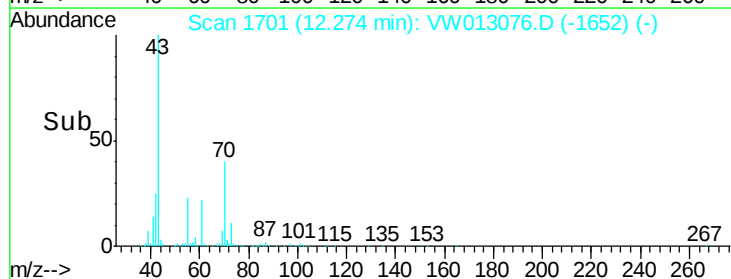
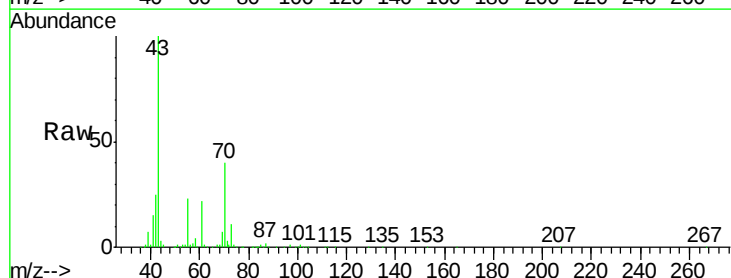
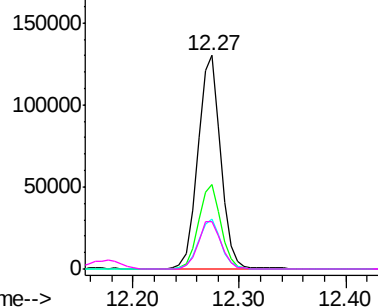
61 22.9 18.7 28.1

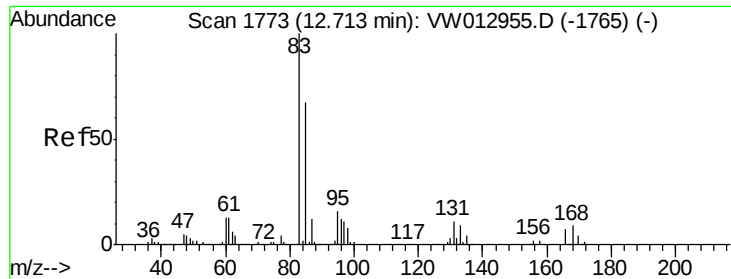
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 58.990 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

Instrument :

MSVOA\_W

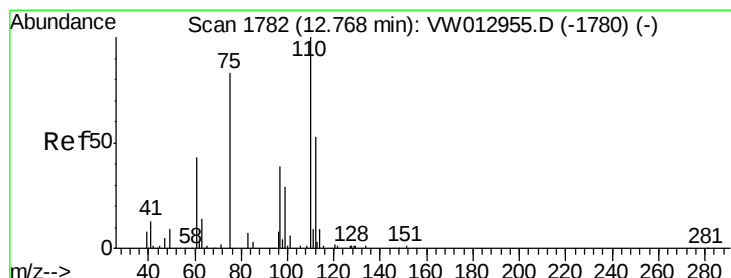
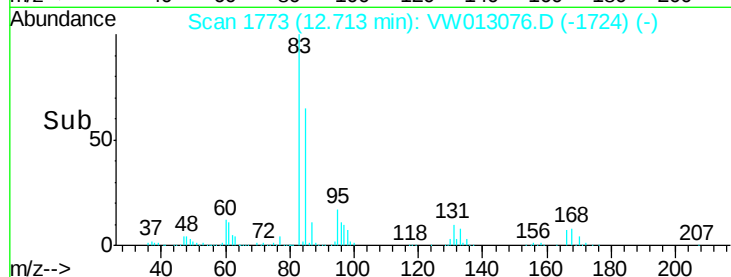
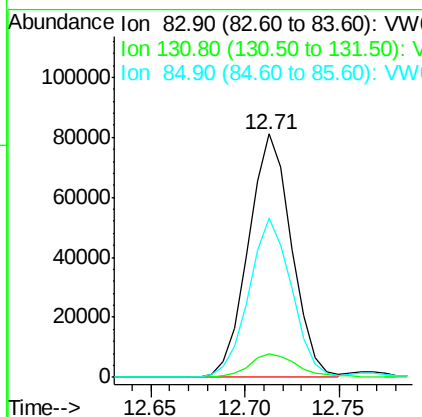
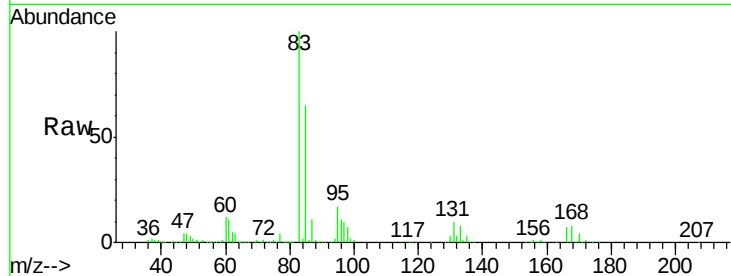
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 128643 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.7  | 5.7   | 17.1   |
| 85        | 64.7  | 31.4  | 94.3   |

Manual Integrations  
APPROVED

MMDadoda  
9/18/2019 2:01:38 PM



#76

1,2,3-Trichloropropane

Concen: 51.206 ug/l m

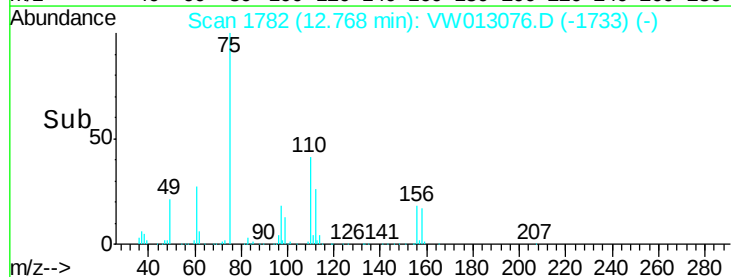
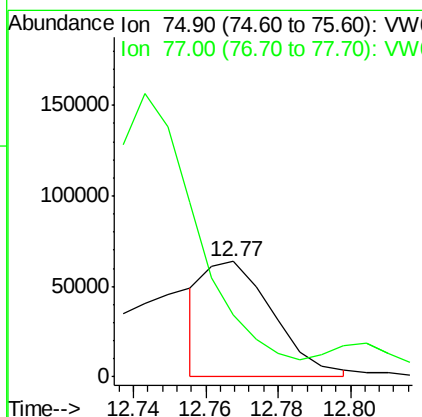
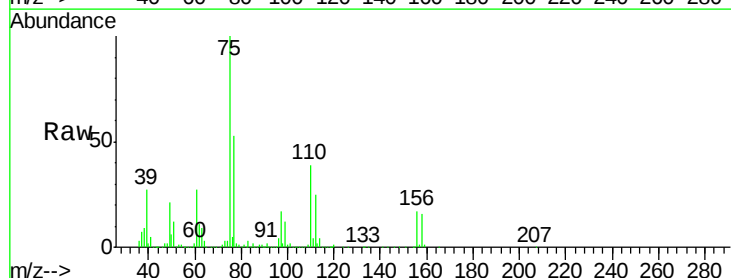
RT: 12.77 min Scan# 1782

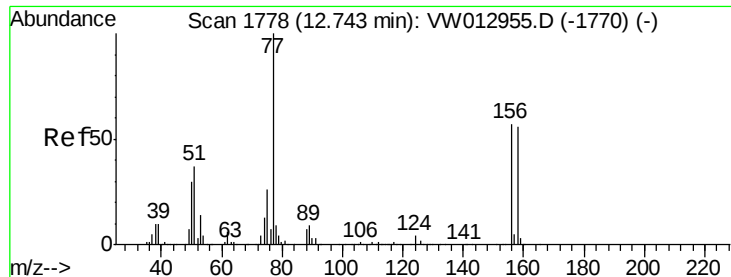
Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 84018 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 52.433 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

Instrument :

MSVOA\_W

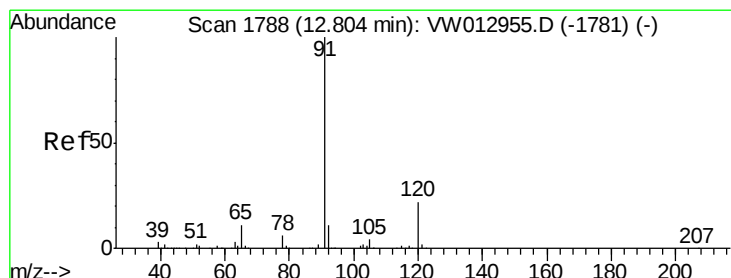
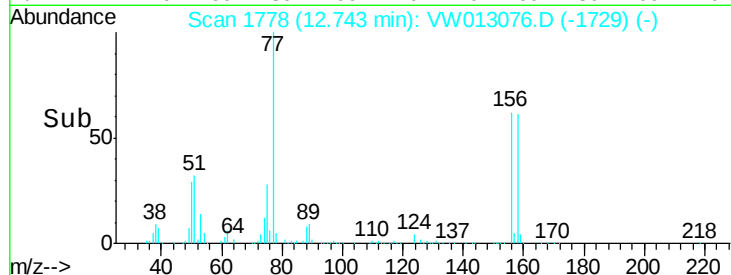
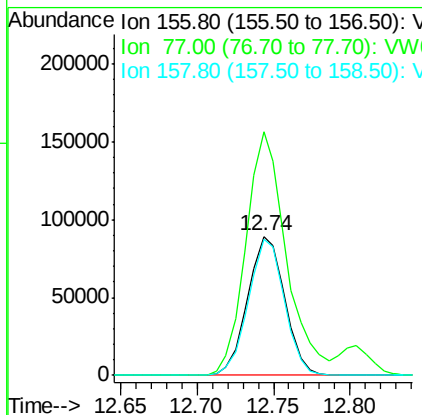
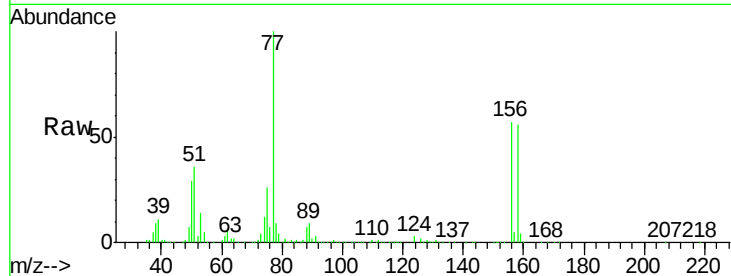
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 149977 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 191.1 | 95.2  | 285.6  |
| 158       | 95.5  | 49.0  | 147.2  |

Manual Integrations  
APPROVED

MMDadoda  
9/18/2019 2:01:38 PM



#78

n-propylbenzene

Concen: 47.669 ug/l

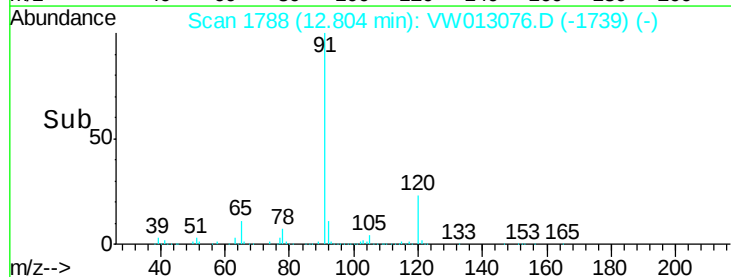
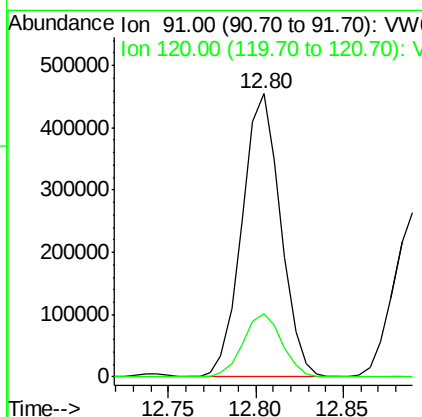
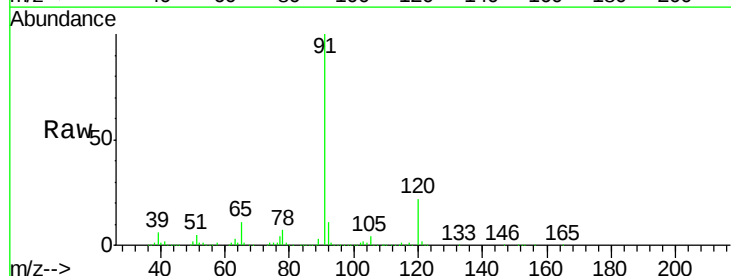
RT: 12.80 min Scan# 1788

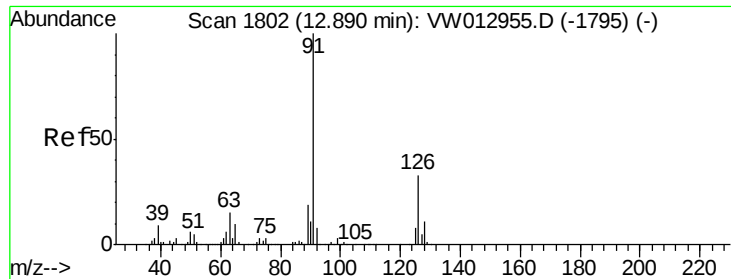
Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 696219 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.5  | 11.2  | 33.5   |





#79

2-Chlorotoluene

Concen: 50.003 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 419818

Ion Ratio Lower Upper

91 100

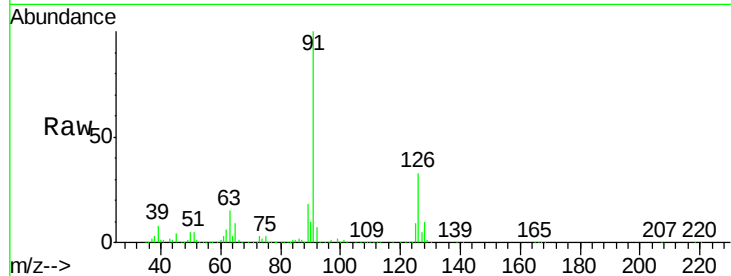
126 33.0 16.5 49.5

Manual Integrations

APPROVED

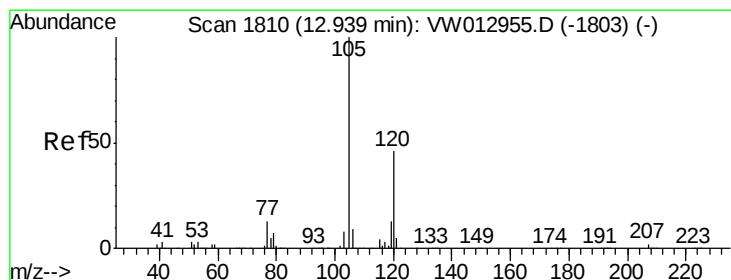
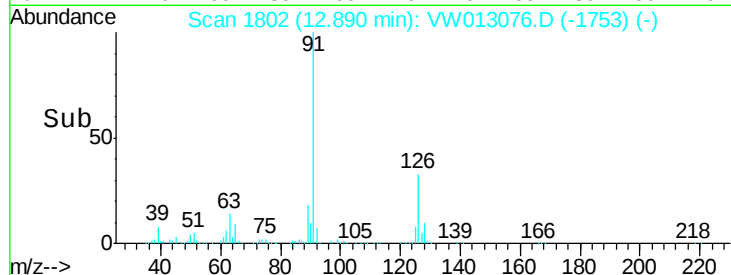
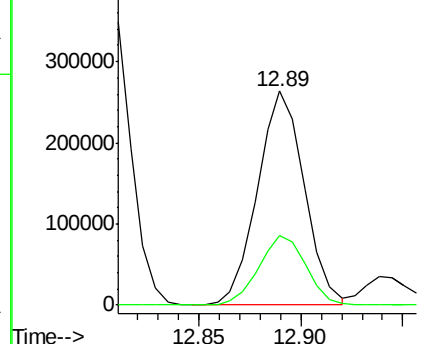
MMDadoda

9/18/2019 2:01:38 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.862 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW013076.D

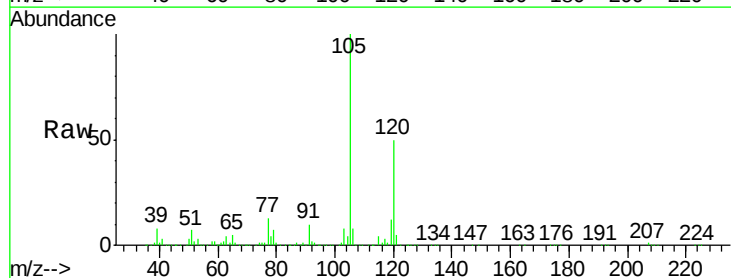
Acq: 17 Sep 2019 07:57

Tgt Ion: 105 Resp: 513251

Ion Ratio Lower Upper

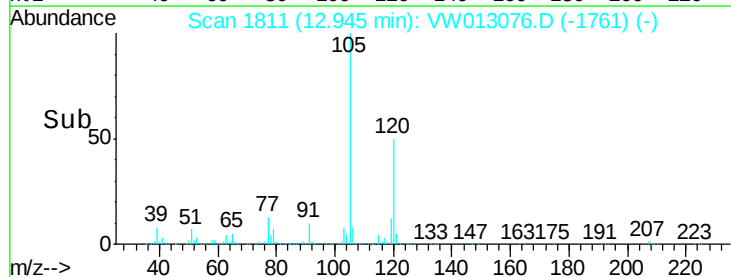
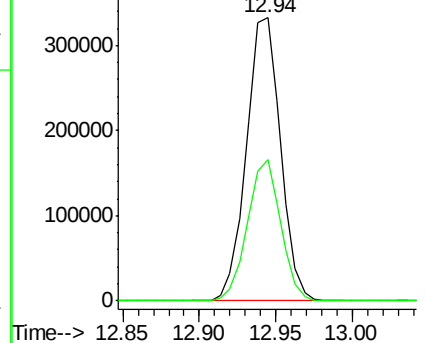
105 100

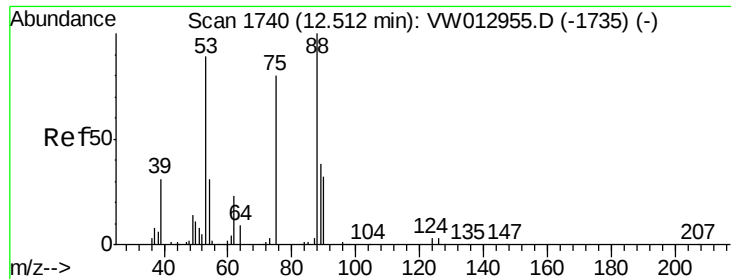
120 48.8 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





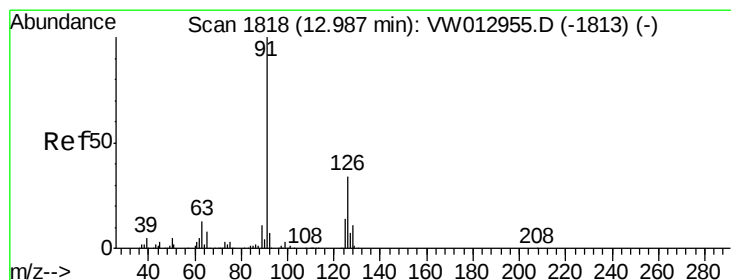
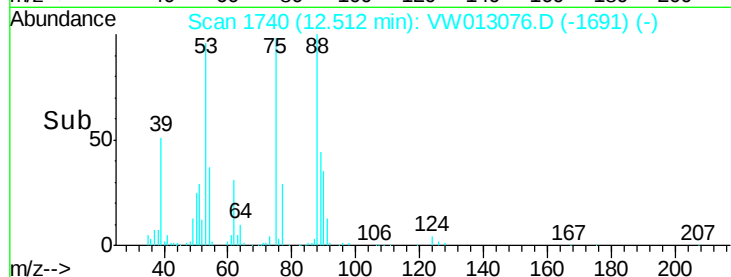
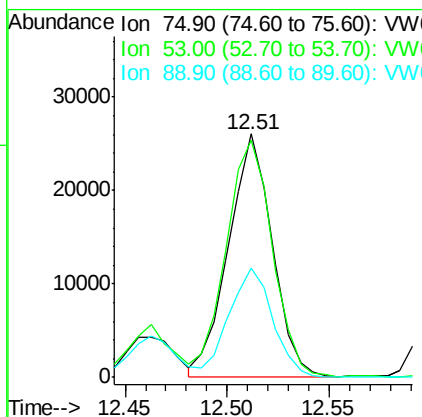
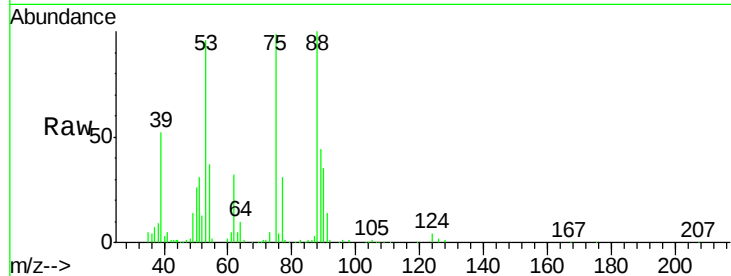
#81  
trans-1,4-Dichloro-2-butene  
Concen: 53.082 ug/l  
RT: 12.51 min Scan# 1740  
Delta R.T. -0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 104.9 | 85.6  | 128.4 |
| 89      | 45.1  | 37.2  | 55.8  |

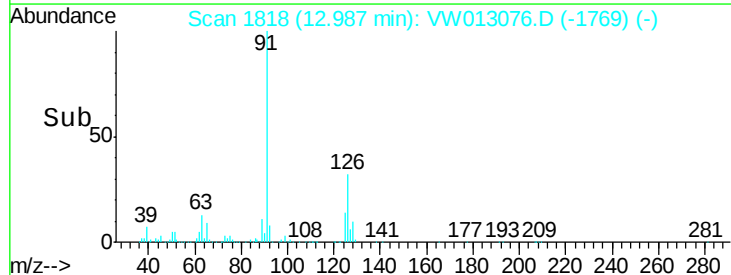
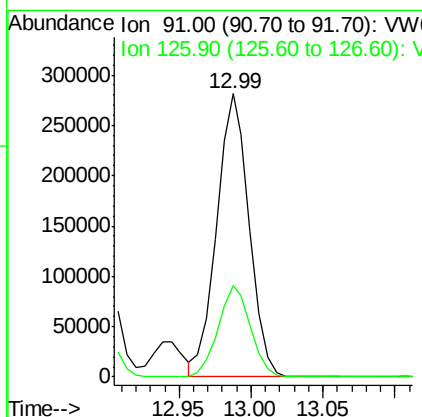
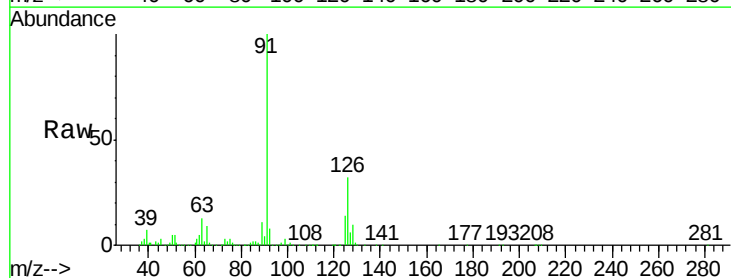
Manual Integrations  
APPROVED

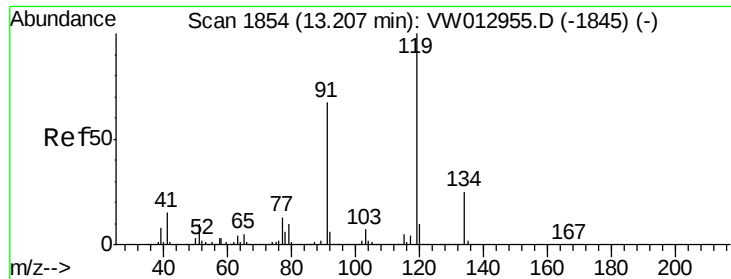
MMDadoda  
9/18/2019 2:01:38 PM



#82  
4-Chlorotoluene  
Concen: 49.721 ug/l  
RT: 12.99 min Scan# 1818  
Delta R.T. -0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.2  | 16.1  | 48.3  |





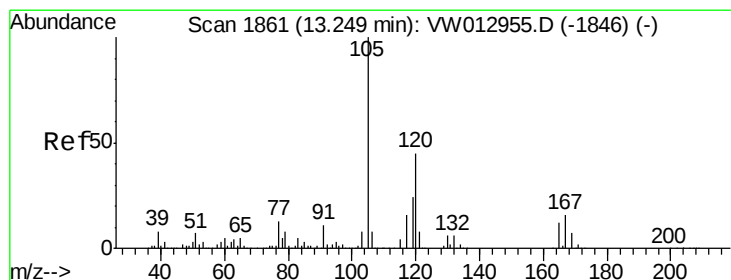
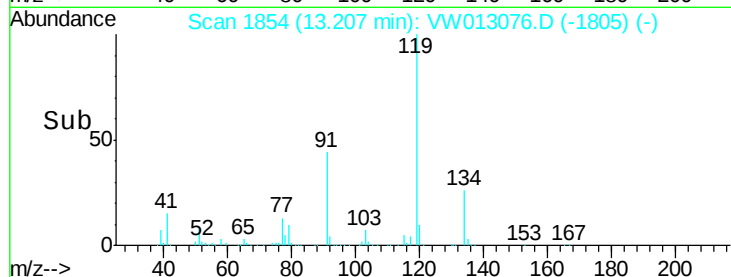
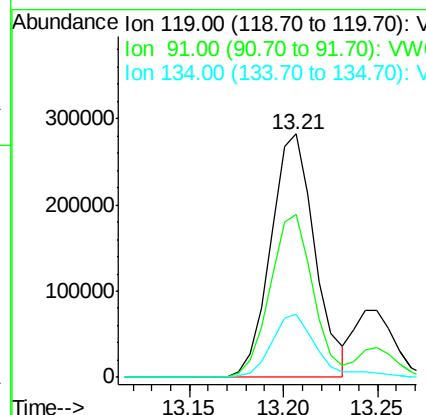
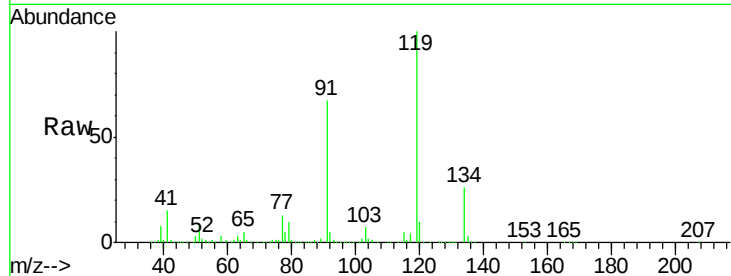
#83  
tert-Butylbenzene  
Concen: 48.691 ug/l  
RT: 13.21 min Scan# 1854  
Delta R.T. -0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 65.2  | 32.6  | 98.0  |
| 134     | 27.0  | 12.4  | 37.4  |

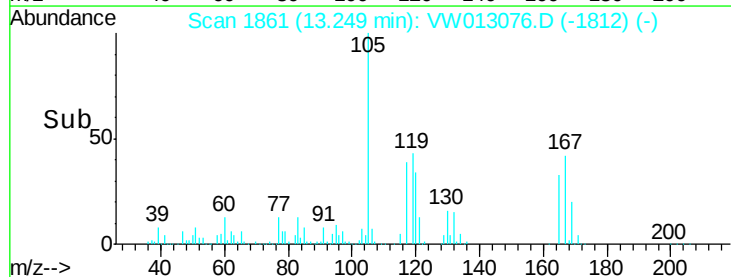
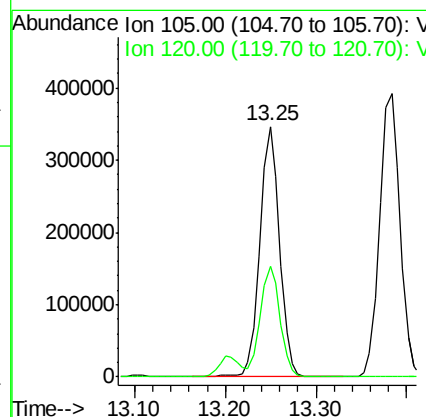
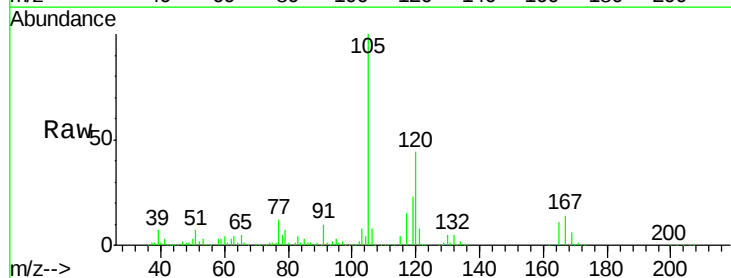
Manual Integrations  
APPROVED

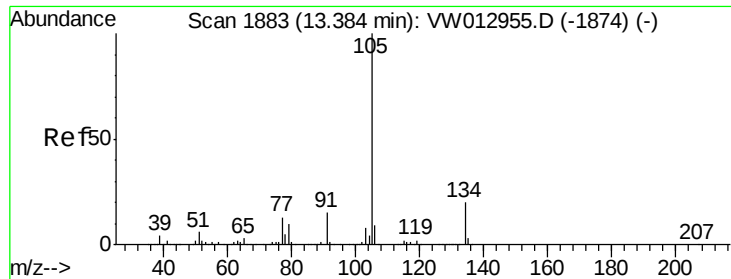
MMDadoda  
9/18/2019 2:01:38 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 50.069 ug/l  
RT: 13.25 min Scan# 1861  
Delta R.T. -0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

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





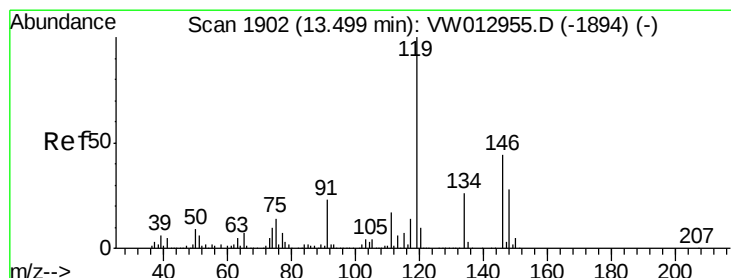
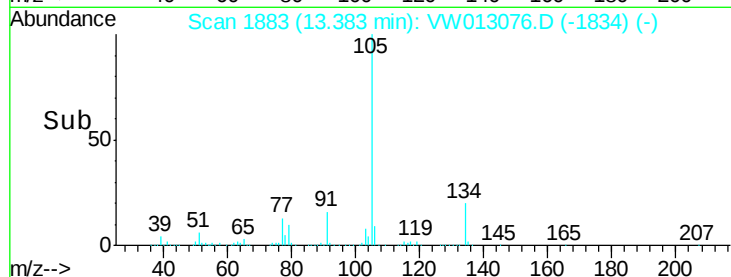
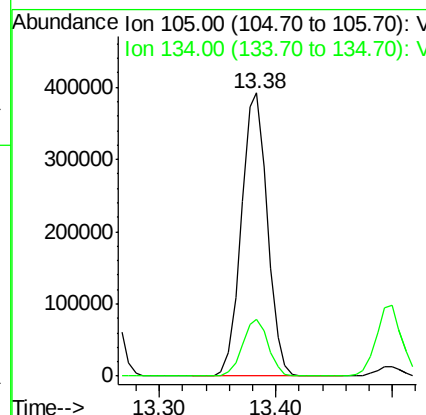
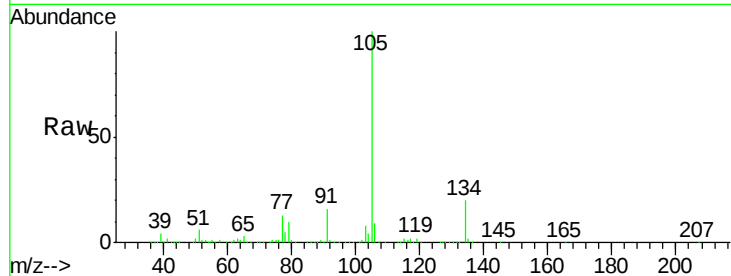
#85  
 sec-Butylbenzene  
 Concen: 47.605 ug/l  
 RT: 13.38 min Scan# 1883  
 Delta R.T. -0.00 min  
 Lab File: VW013076.D  
 Acq: 17 Sep 2019 07:57

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 20.0  | 10.2  | 30.4  |

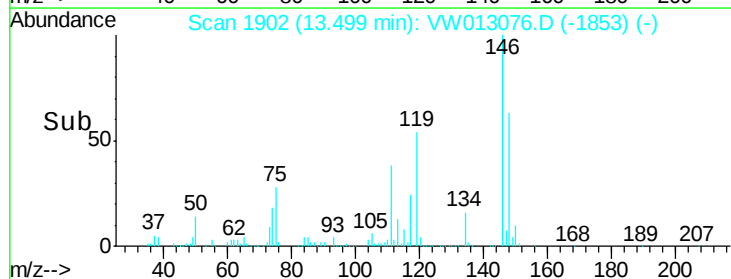
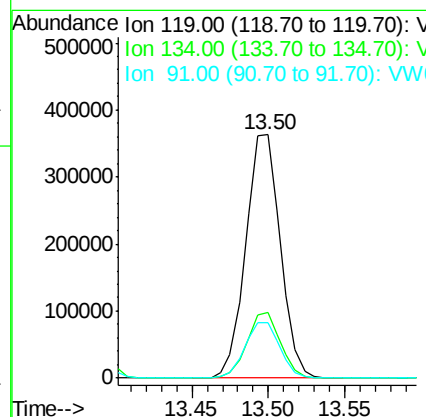
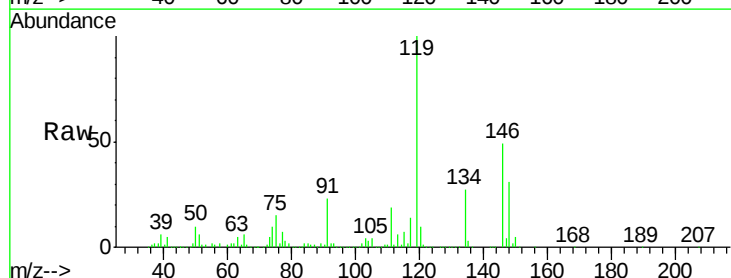
Manual Integrations  
 APPROVED

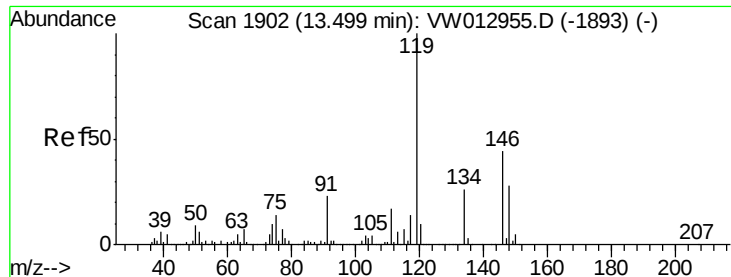
MMDadoda  
 9/18/2019 2:01:38 PM



#86  
 p-Isopropyltoluene  
 Concen: 48.360 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: VW013076.D  
 Acq: 17 Sep 2019 07:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.1  | 12.8  | 38.3  |
| 91      | 23.2  | 11.8  | 35.4  |





#87

1,3-Dichlorobenzene

Concen: 49.679 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

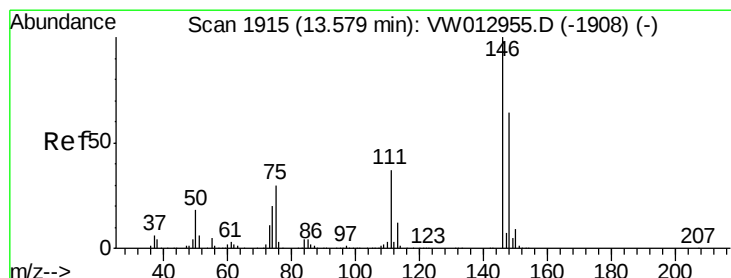
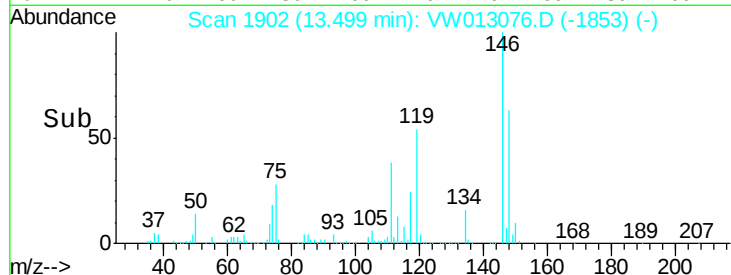
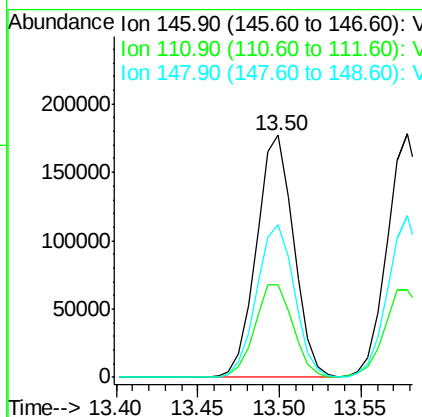
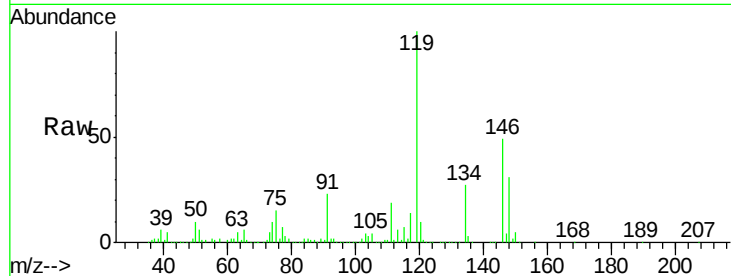
Instrument :  
MSVOA\_W

ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 281300 |       |       |
| 111     | 39.6  | 19.8   | 59.4  |       |
| 148     | 64.2  | 31.9   | 95.7  |       |

Manual Integrations  
APPROVED

MMDadoda  
9/18/2019 2:01:38 PM



#88

1,4-Dichlorobenzene

Concen: 50.399 ug/l

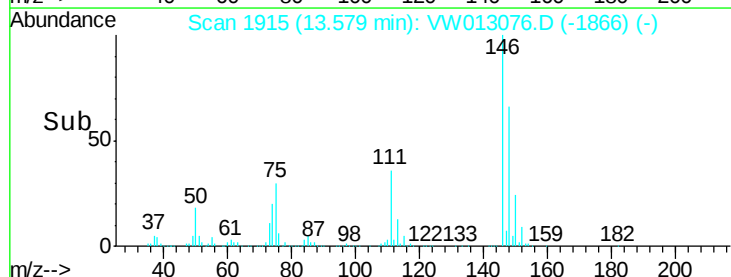
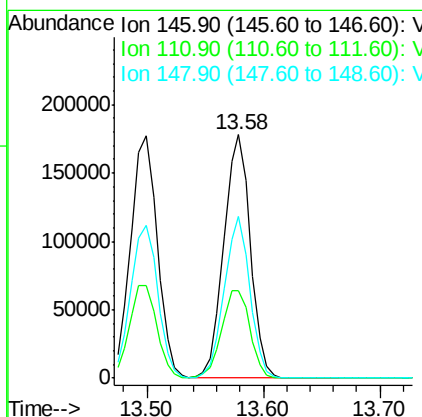
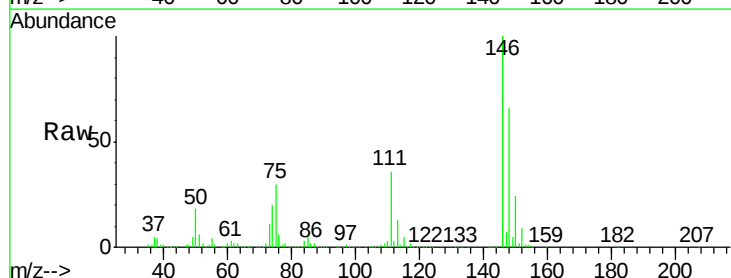
RT: 13.58 min Scan# 1915

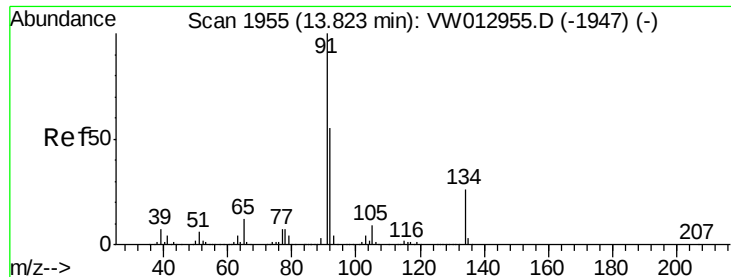
Delta R.T. -0.00 min

Lab File: VW013076.D

Acq: 17 Sep 2019 07:57

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 280444 |       |       |
| 111     | 38.3  | 19.4   | 58.2  |       |
| 148     | 64.2  | 31.9   | 95.5  |       |





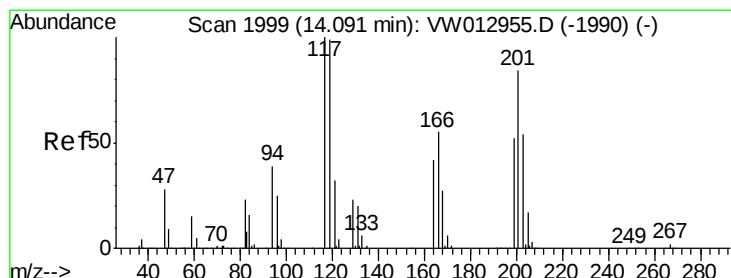
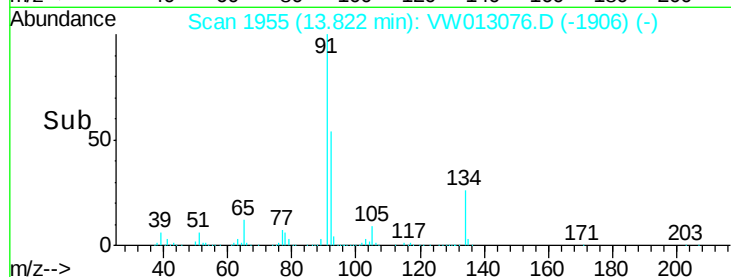
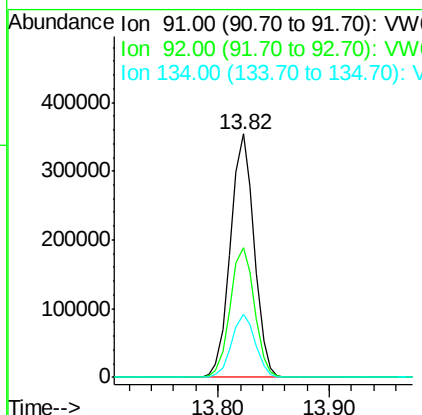
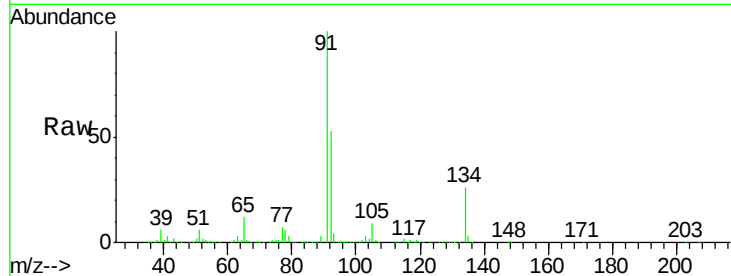
#89  
n-Butylbenzene  
Concen: 47.106 ug/l  
RT: 13.82 min Scan# 1955  
Delta R.T. -0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 522107 |       |       |
| 92      | 54.5  | 27.2   | 81.5  |       |
| 134     | 25.9  | 13.1   | 39.1  |       |

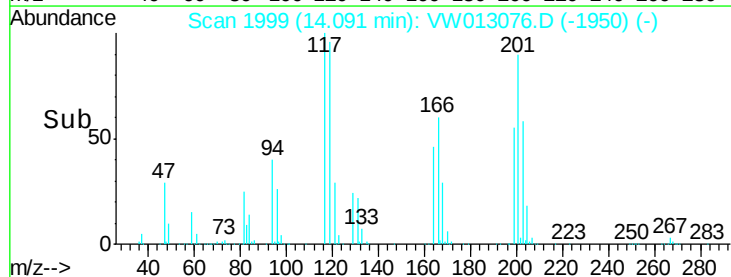
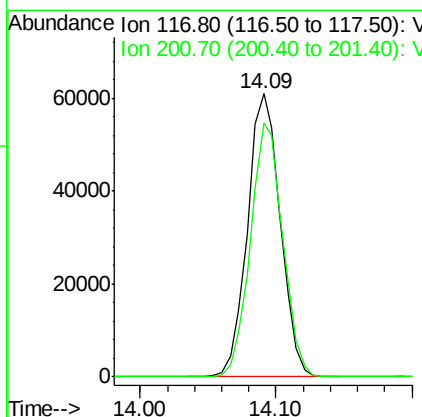
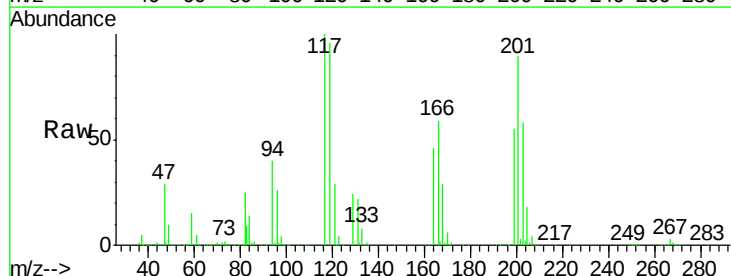
Manual Integrations  
APPROVED

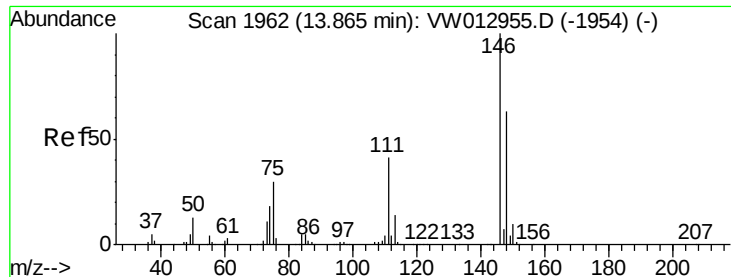
MMDadoda  
9/18/2019 2:01:38 PM



#90  
Hexachloroethane  
Concen: 48.924 ug/l  
RT: 14.09 min Scan# 1999  
Delta R.T. -0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 103041 |       |       |
| 201     | 88.6  | 45.3   | 135.9 |       |





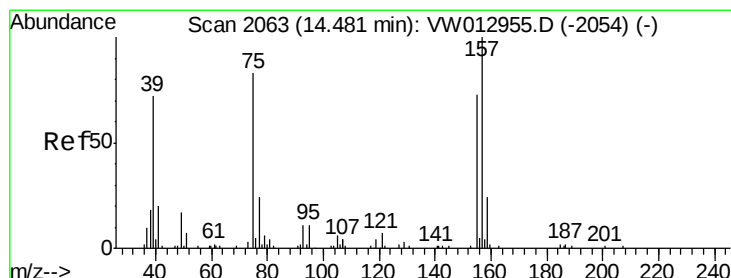
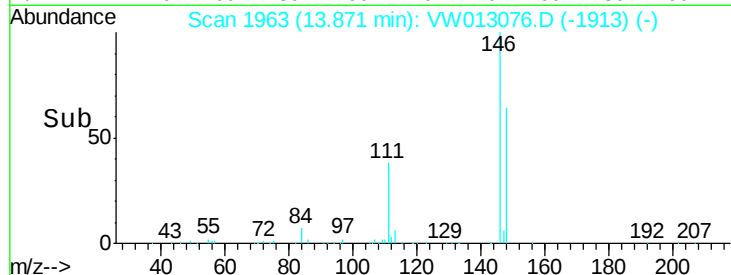
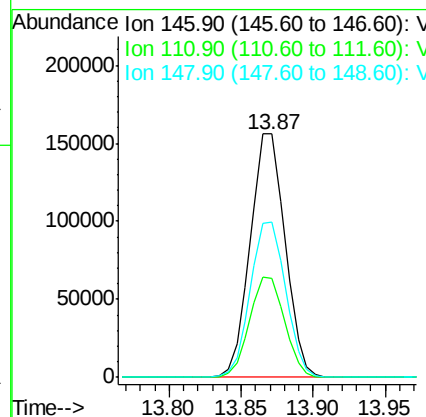
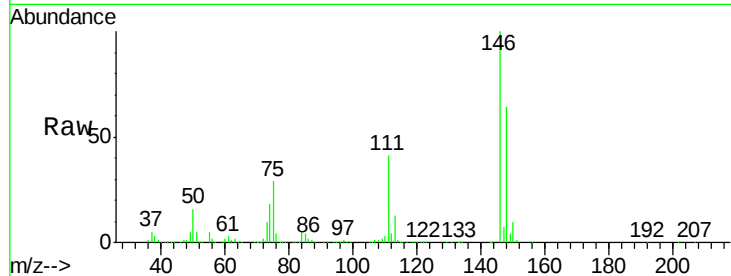
#91  
 1,2-Dichlorobenzene  
 Concen: 52.508 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. 0.01 min  
 Lab File: VW013076.D  
 Acq: 17 Sep 2019 07:57

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.5  | 20.8  | 62.5  |
| 148     | 64.7  | 32.7  | 98.1  |

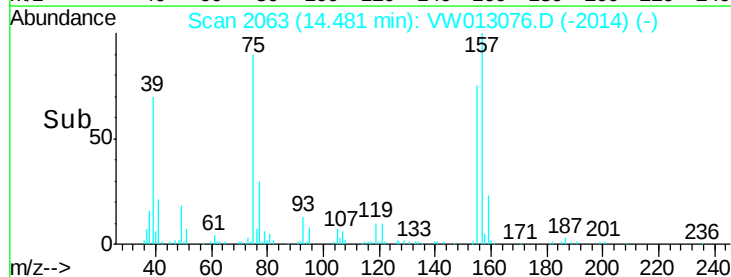
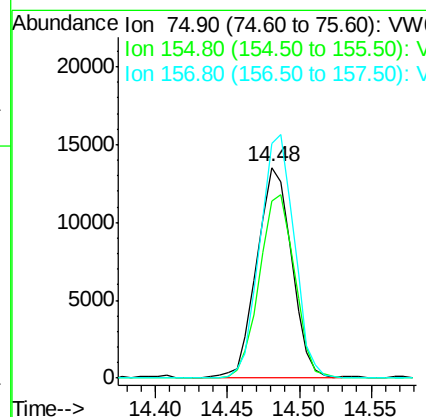
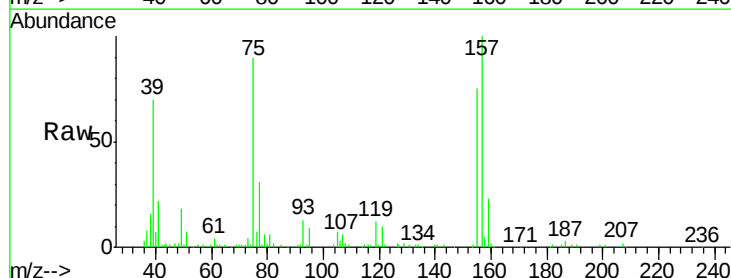
Manual Integrations  
 APPROVED

MMDadoda  
 9/18/2019 2:01:38 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 56.948 ug/l  
 RT: 14.48 min Scan# 2063  
 Delta R.T. -0.00 min  
 Lab File: VW013076.D  
 Acq: 17 Sep 2019 07:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 87.4  | 43.3  | 129.9 |
| 157     | 113.2 | 54.7  | 164.1 |





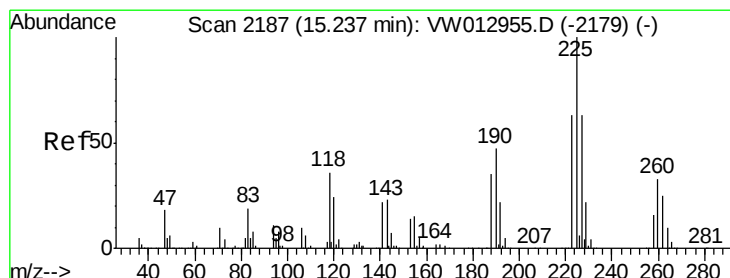
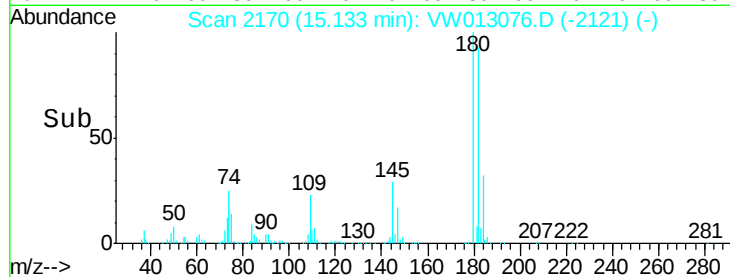
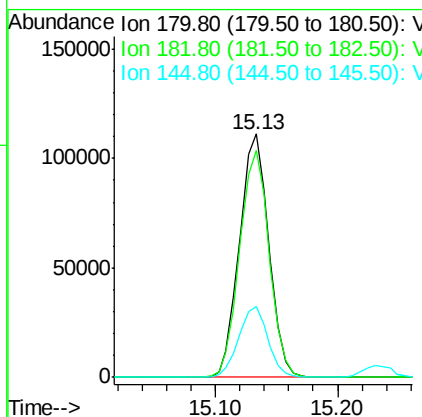
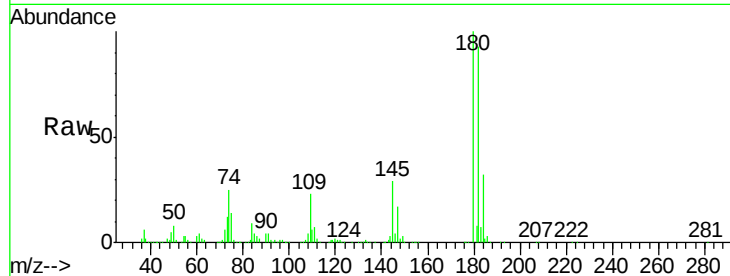
#93  
 1,2,4-Trichlorobenzene  
 Concen: 51.964 ug/l  
 RT: 15.13 min Scan# 2170  
 Delta R.T. -0.00 min  
 Lab File: VW013076.D  
 Acq: 17 Sep 2019 07:57

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 184535 |       |       |
| 182     | 93.8  | 47.4   | 142.2 |       |
| 145     | 29.0  | 14.9   | 44.7  |       |

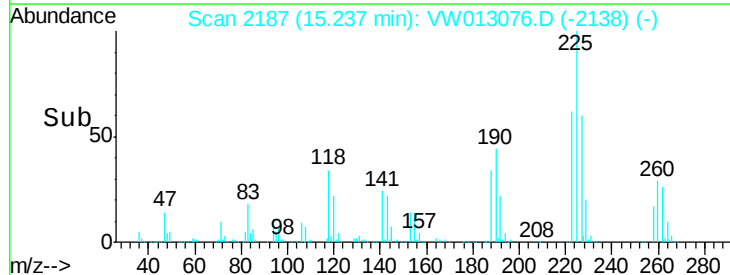
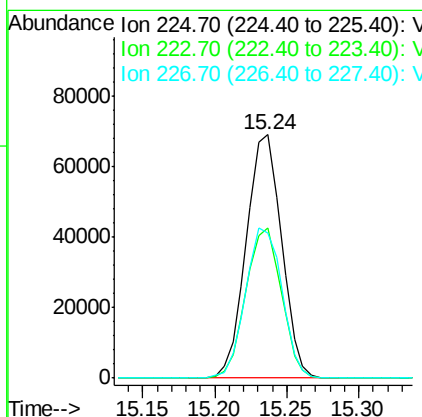
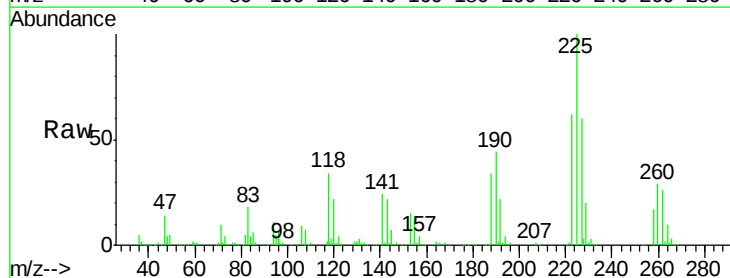
Manual Integrations  
 APPROVED

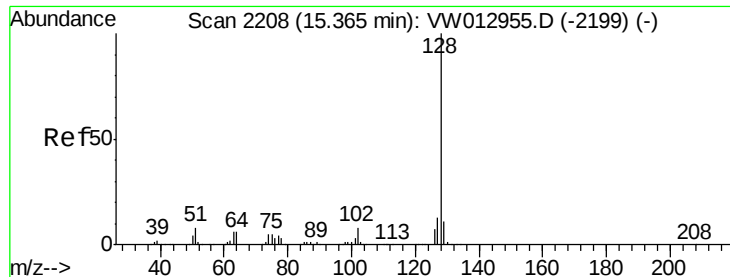
MMDadoda  
 9/18/2019 2:01:38 PM



#94  
 Hexachlorobutadiene  
 Concen: 46.582 ug/l  
 RT: 15.24 min Scan# 2187  
 Delta R.T. -0.00 min  
 Lab File: VW013076.D  
 Acq: 17 Sep 2019 07:57

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 117106 |       |       |
| 223     | 62.3  | 31.8   | 95.3  |       |
| 227     | 63.8  | 31.3   | 93.8  |       |





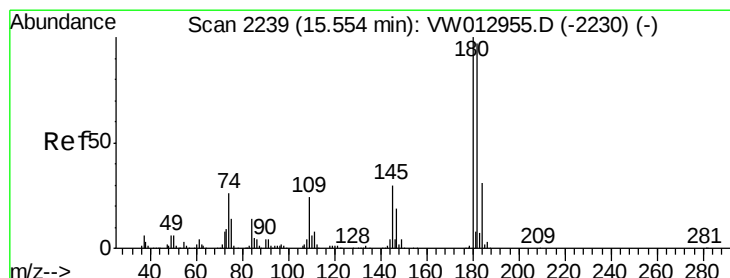
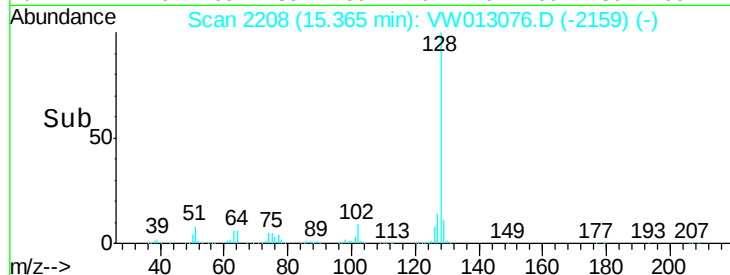
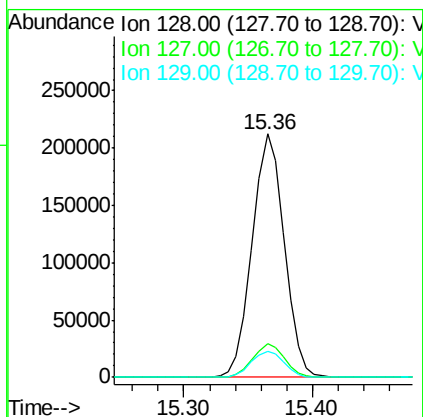
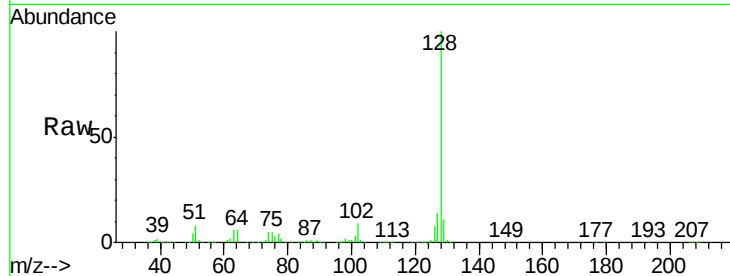
#95  
Naphthalene  
Concen: 61.467 ug/l  
RT: 15.36 min Scan# 2208  
Delta R.T. -0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 364725 |       |       |
| 127     | 13.7  |        | 11.0  | 16.6  |
| 129     | 10.8  |        | 8.6   | 12.8  |

Manual Integrations  
APPROVED

MMDadoda  
9/18/2019 2:01:38 PM



#96  
1,2,3-Trichlorobenzene  
Concen: 52.769 ug/l  
RT: 15.55 min Scan# 2239  
Delta R.T. -0.00 min  
Lab File: VW013076.D  
Acq: 17 Sep 2019 07:57

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 165652 |       |       |
| 182     | 97.8  |        | 47.6  | 142.8 |
| 145     | 31.0  |        | 15.4  | 46.2  |

