

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082820\  
 Data File : VW016396.D  
 Acq On : 28 Aug 2020 12:33  
 Operator : SY/VA  
 Sample : VSTDIC005  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 8/31/2020 11:59:24 AM

Quant Time: Aug 28 14:32:10 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W082820S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 28 14:25:02 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 182784   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 295102   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 264495   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 131887   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |      |        |      |
|---------------------------|--------|-----|----------|------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 9744     | 5.49 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 10.98% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 10311    | 5.69 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 11.38% |      |
| 50) Toluene-d8            | 10.32  | 98  | 37020    | 5.31 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 10.62% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 14125    | 5.63 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 11.26% |      |

## Target Compounds

|                               |      |     |       |        | Qvalue    |
|-------------------------------|------|-----|-------|--------|-----------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 4483  | 3.639  | ug/l 98   |
| 3) Chloromethane              | 2.21 | 50  | 5021  | 3.931  | ug/l 98   |
| 4) Vinyl Chloride             | 2.36 | 62  | 7605  | 4.240  | ug/l 98   |
| 5) Bromomethane               | 2.78 | 94  | 5394  | 4.753  | ug/l 96   |
| 6) Chloroethane               | 2.92 | 64  | 4172  | 4.094  | ug/l # 83 |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 8723  | 5.642  | ug/l 95   |
| 8) Diethyl Ether              | 3.68 | 74  | 4618  | 4.953  | ug/l 98   |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 8992  | 4.632  | ug/l 97   |
| 10) Methyl Iodide             | 4.27 | 142 | 12554 | 4.434  | ug/l 99   |
| 11) Tert butyl alcohol        | 5.23 | 59  | 4568m | 46.936 | ug/l      |
| 12) 1,1-Dichloroethene        | 4.04 | 96  | 8785  | 4.450  | ug/l 98   |
| 13) Acrolein                  | 3.90 | 56  | 2207  | 17.227 | ug/l 88   |
| 14) Allyl chloride            | 4.67 | 41  | 10830 | 4.142  | ug/l 98   |
| 15) Acrylonitrile             | 5.37 | 53  | 8112  | 23.298 | ug/l 98   |
| 16) Acetone                   | 4.14 | 43  | 8935  | 27.372 | ug/l # 88 |
| 17) Carbon Disulfide          | 4.38 | 76  | 24326 | 4.224  | ug/l 98   |
| 18) Methyl Acetate            | 4.68 | 43  | 3785  | 4.851  | ug/l 90   |
| 19) Methyl tert-butyl Ether   | 5.43 | 73  | 13686 | 5.506  | ug/l # 87 |
| 20) Methylene Chloride        | 4.92 | 84  | 19451 | 7.704  | ug/l 98   |
| 21) trans-1,2-Dichloroethene  | 5.43 | 96  | 10039 | 4.664  | ug/l 92   |
| 22) Diisopropyl ether         | 6.31 | 45  | 21625 | 4.380  | ug/l 93   |
| 23) Vinyl Acetate             | 6.26 | 43  | 63224 | 22.288 | ug/l 99   |
| 24) 1,1-Dichloroethane        | 6.22 | 63  | 16264 | 4.679  | ug/l 95   |
| 25) 2-Butanone                | 7.18 | 43  | 11779 | 26.556 | ug/l 95   |
| 26) 2,2-Dichloropropane       | 7.16 | 77  | 14387 | 6.258  | ug/l 92   |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 10674 | 4.772  | ug/l 89   |
| 28) Bromochloromethane        | 7.51 | 49  | 5507  | 4.232  | ug/l 98   |
| 29) Tetrahydrofuran           | 7.53 | 42  | 6541  | 24.527 | ug/l 97   |
| 30) Chloroform                | 7.68 | 83  | 17888 | 4.878  | ug/l 93   |
| 31) Cyclohexane               | 7.96 | 56  | 17125 | 5.369  | ug/l # 81 |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 16059 | 5.174  | ug/l 99   |
| 36) 1,1-Dichloropropene       | 8.09 | 75  | 14336 | 4.931  | ug/l 99   |
| 37) Ethyl Acetate             | 7.26 | 43  | 4561  | 4.631  | ug/l # 95 |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 15623 | 5.294  | ug/l 97   |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082820\  
 Data File : VW016396.D  
 Acq On : 28 Aug 2020 12:33  
 Operator : SY/VA  
 Sample : VSTDIC005  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 8/31/2020 11:59:24 AM

Quant Time: Aug 28 14:32:10 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W082820S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 28 14:25:02 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 16446    | 4.707   | ug/l   | 98       |
| 40) Benzene                    | 8.33  | 78   | 37757    | 4.645   | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.49  | 41   | 2682     | 4.788   | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 11781    | 5.382   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.43  | 43   | 9349     | 5.006   | ug/l   | 96       |
| 44) Trichloroethene            | 9.10  | 130  | 11598    | 4.981   | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 8913     | 4.680   | ug/l   | 98       |
| 46) Dibromomethane             | 9.46  | 93   | 5269     | 5.181   | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.65  | 83   | 13390    | 5.070   | ug/l # | 99       |
| 48) Methyl methacrylate        | 9.45  | 41   | 4685     | 5.411   | ug/l   | 92       |
| 49) 1,4-Dioxane                | 9.49  | 88   | 1437     | 112.758 | ug/l # | 97       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 23333    | 24.874  | ug/l   | 95       |
| 52) Toluene                    | 10.39 | 92   | 25204    | 4.830   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.61 | 75   | 12514    | 5.101   | ug/l   | 90       |
| 54) cis-1,3-Dichloropropene    | 10.08 | 75   | 14665    | 4.866   | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 7680     | 5.254   | ug/l   | 90       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 7973     | 4.822   | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 12284    | 4.969   | ug/l   | 95       |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 21093    | 27.969  | ug/l   | 97       |
| 59) 2-Hexanone                 | 10.97 | 43   | 15036    | 23.518  | ug/l   | 97       |
| 60) Dibromochloromethane       | 11.13 | 129  | 8819     | 5.011   | ug/l   | 96       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 7374     | 5.238   | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.86 | 164  | 9605     | 5.425   | ug/l   | 93       |
| 65) Chlorobenzene              | 11.66 | 112  | 28616    | 5.220   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 10222    | 5.292   | ug/l   | 96       |
| 67) Ethyl Benzene              | 11.73 | 91   | 47802    | 4.874   | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.84 | 106  | 37293    | 9.898   | ug/l   | 97       |
| 69) o-Xylene                   | 12.16 | 106  | 16915    | 5.038   | ug/l   | 95       |
| 70) Styrene                    | 12.18 | 104  | 27113    | 4.664   | ug/l   | 97       |
| 71) Bromoform                  | 12.35 | 173  | 5110     | 5.812   | ug/l # | 93       |
| 73) Isopropylbenzene           | 12.46 | 105  | 45940    | 4.567   | ug/l   | 98       |
| 74) N-amyl acetate             | 12.27 | 43   | 8025     | 4.517   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 8223     | 4.935   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 6257m    | 5.191   | ug/l   |          |
| 77) Bromobenzene               | 12.74 | 156  | 11764    | 5.238   | ug/l   | 96       |
| 78) n-propylbenzene            | 12.80 | 91   | 56636    | 4.735   | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 33845    | 4.886   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 41800    | 4.820   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.52 | 75   | 2556     | 5.076   | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 35737    | 4.967   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 34501    | 4.864   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 42023    | 4.922   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.38 | 105  | 49209    | 4.802   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 44774    | 4.795   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene        | 13.51 | 146  | 23160    | 5.240   | ug/l   | 94       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 22744    | 5.170   | ug/l   | 93       |
| 89) n-Butylbenzene             | 13.82 | 91   | 41685    | 4.849   | ug/l   | 99       |
| 90) Hexachloroethane           | 14.10 | 117  | 8746     | 5.014   | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 20095    | 5.157   | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 1442     | 5.493   | ug/l   | 92       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082820\  
Data File : VW016396.D  
Acq On : 28 Aug 2020 12:33  
Operator : SY/VA  
Sample : VSTDICC005  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC005

Manual Integrations  
APPROVED

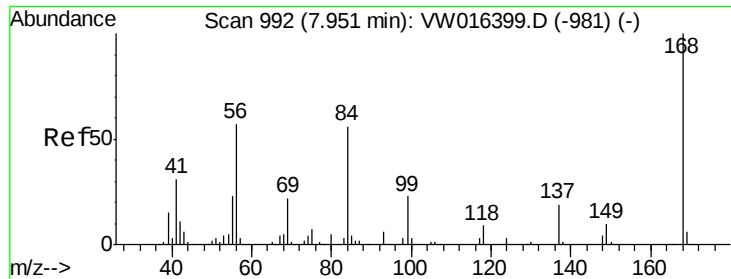
MMDadoda  
8/31/2020 11:59:24 AM

Quant Time: Aug 28 14:32:10 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W082820S.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 28 14:25:02 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 11850    | 5.032 | ug/l  | 90       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 8158     | 5.723 | ug/l  | 99       |
| 95) Naphthalene            | 15.37 | 128  | 19687    | 4.571 | ug/l  | 97       |
| 96) 1,2,3-Trichlorobenzene | 15.55 | 180  | 10947    | 5.421 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW016396.D

Acq: 28 Aug 2020 12:33

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 182784

Ion Ratio Lower Upper

168 100

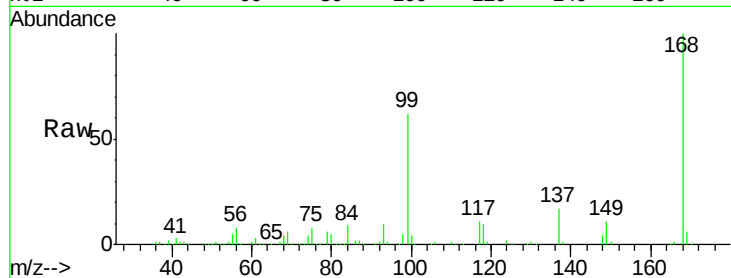
99 61.7 49.0 73.4

Manual Integrations

APPROVED

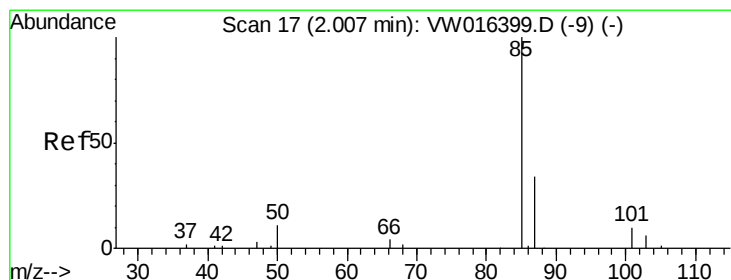
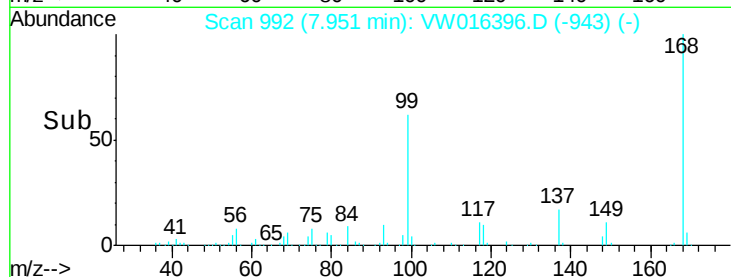
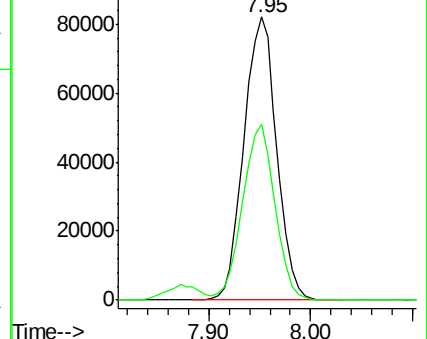
MMDadoda

8/31/2020 11:59:24 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 3.639 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW016396.D

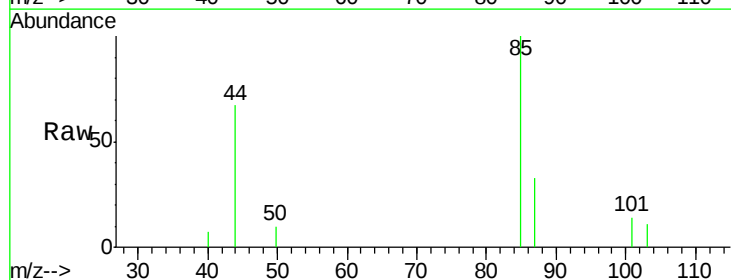
Acq: 28 Aug 2020 12:33

Tgt Ion: 85 Resp: 4483

Ion Ratio Lower Upper

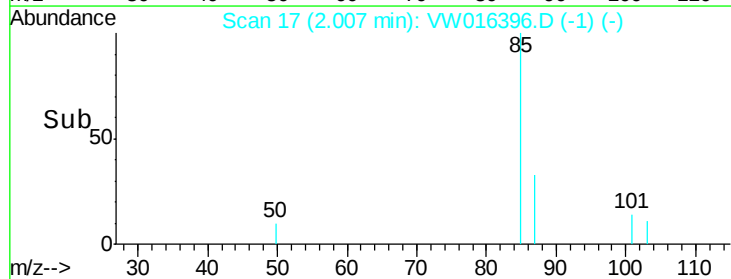
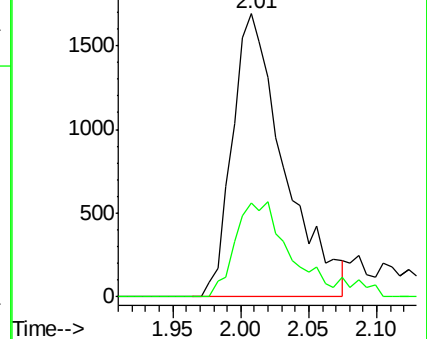
85 100

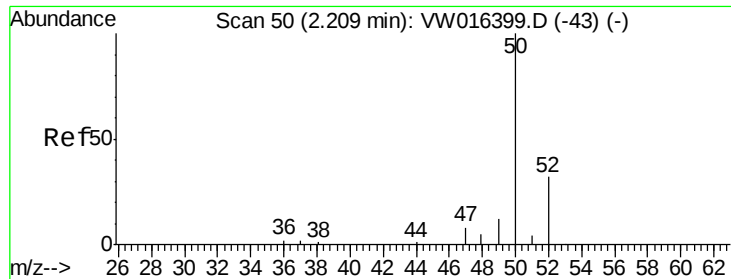
87 33.0 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 3.931 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW016396.D

Acq: 28 Aug 2020 12:33

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 5021

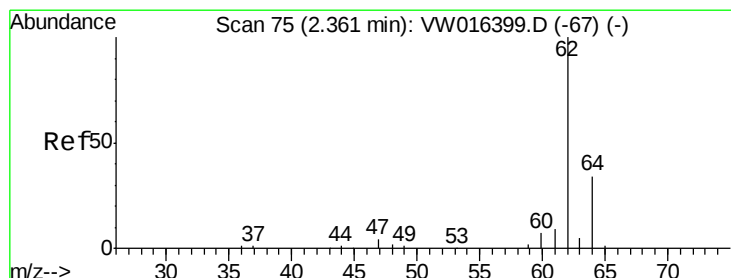
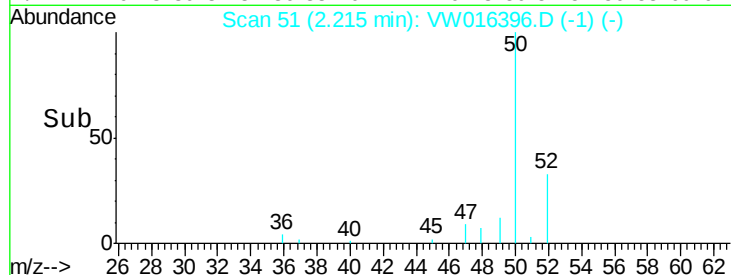
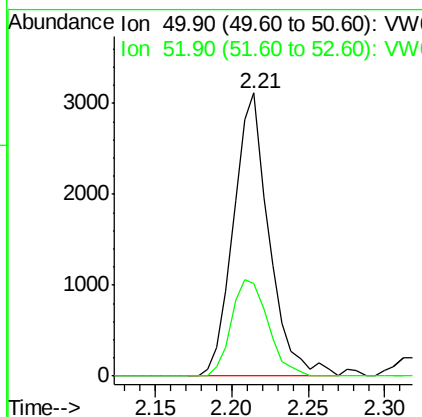
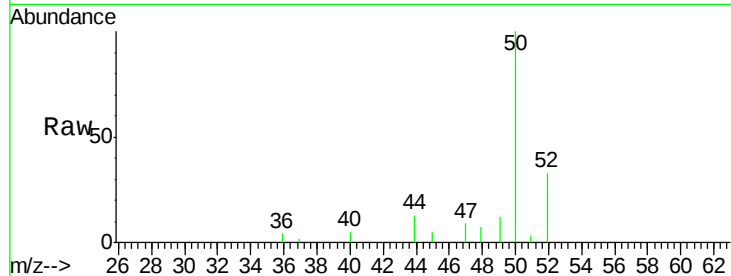
Ion Ratio Lower Upper

50 100

52 32.8 25.5 38.3

Manual Integrations  
APPROVED

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8/31/2020 11:59:24 AM



#4

Vinyl Chloride

Concen: 4.240 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW016396.D

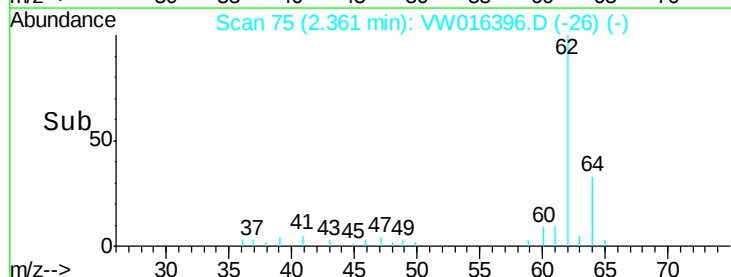
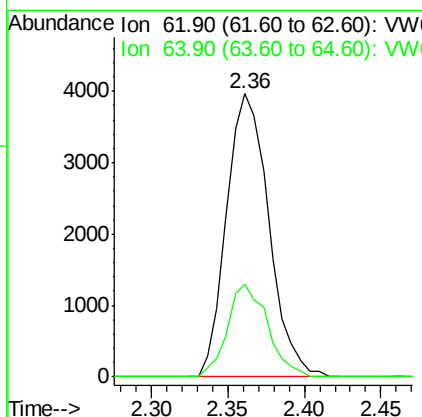
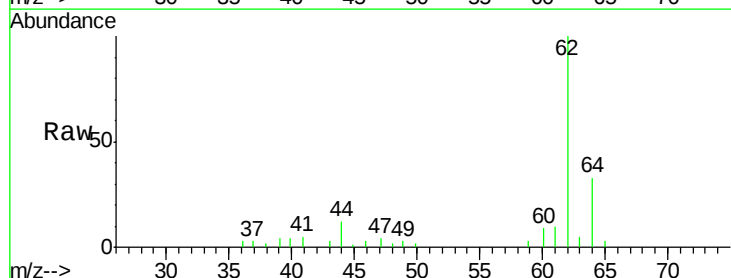
Acq: 28 Aug 2020 12:33

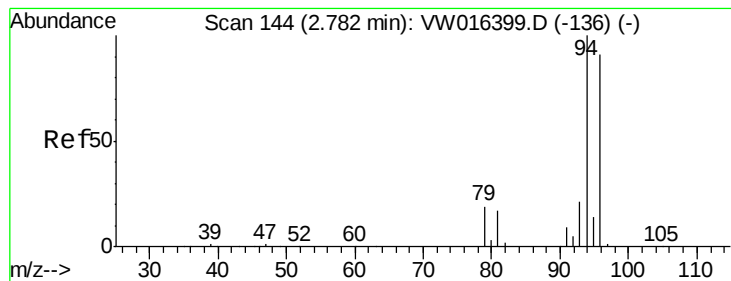
Tgt Ion: 62 Resp: 7605

Ion Ratio Lower Upper

62 100

64 32.8 27.2 40.8





#5

Bromomethane

Concen: 4.753 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW016396.D

Acq: 28 Aug 2020 12:33

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 5394

Ion Ratio Lower Upper

94 100

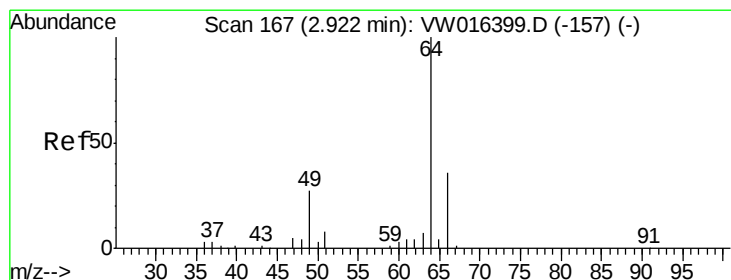
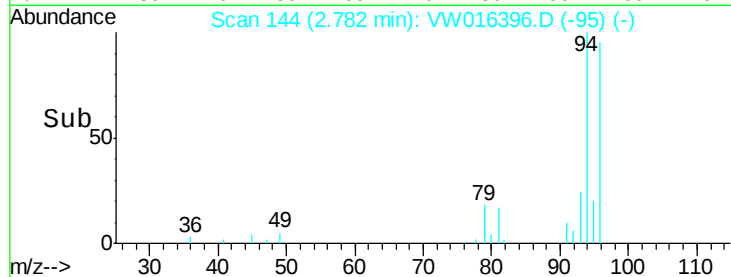
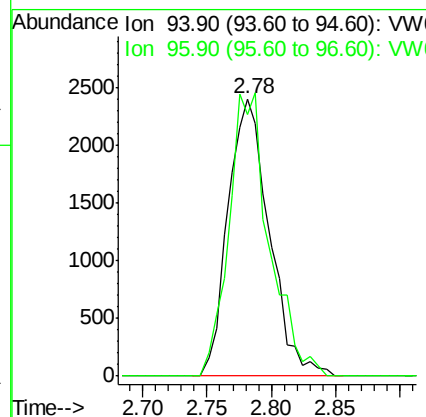
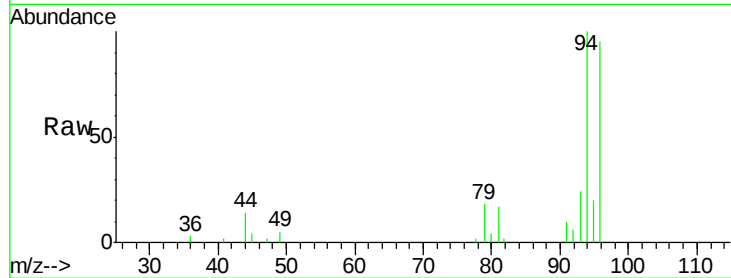
96 94.6 72.6 109.0

Manual Integrations

APPROVED

MMDadoda

8/31/2020 11:59:24 AM



#6

Chloroethane

Concen: 4.094 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW016396.D

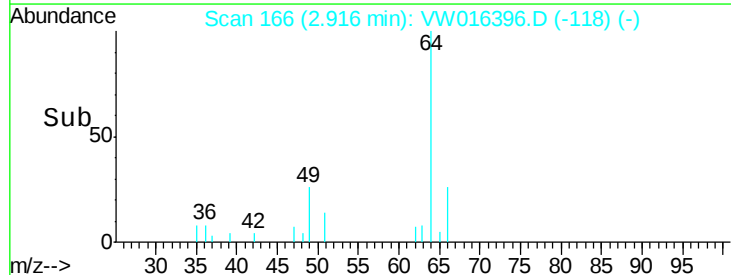
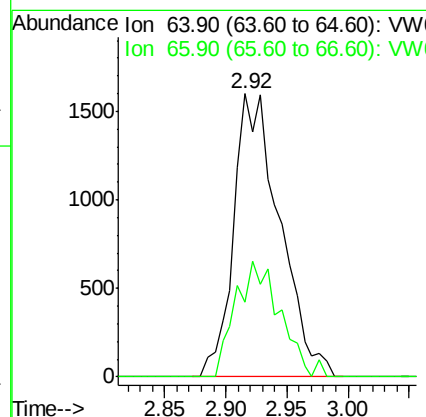
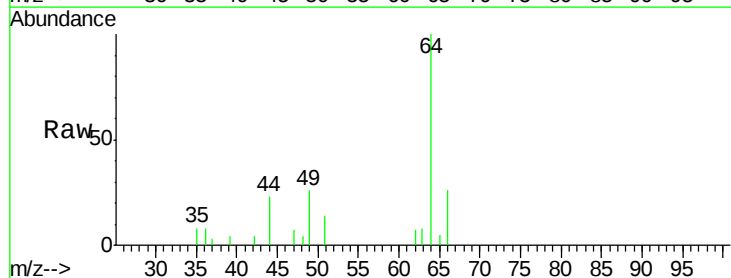
Acq: 28 Aug 2020 12:33

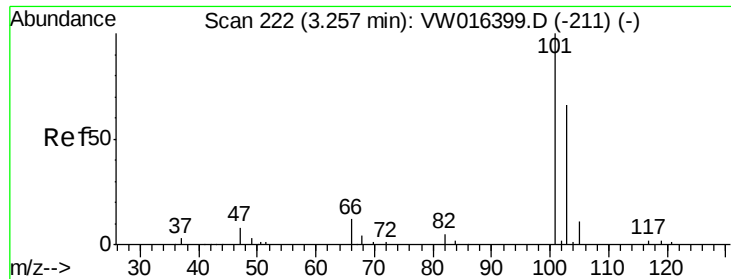
Tgt Ion: 64 Resp: 4172

Ion Ratio Lower Upper

64 100

66 26.2 28.7 43.1#





#7

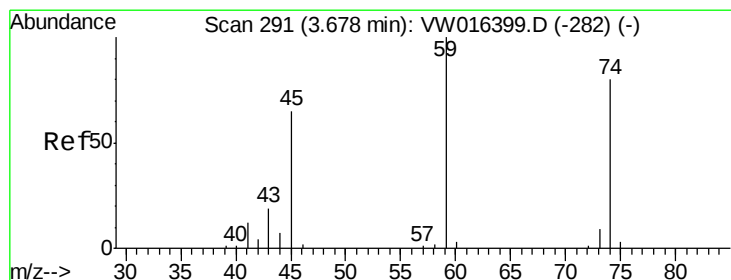
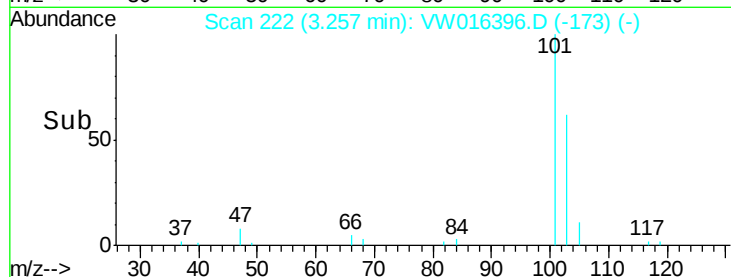
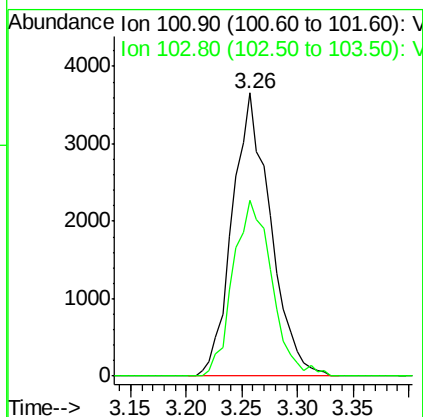
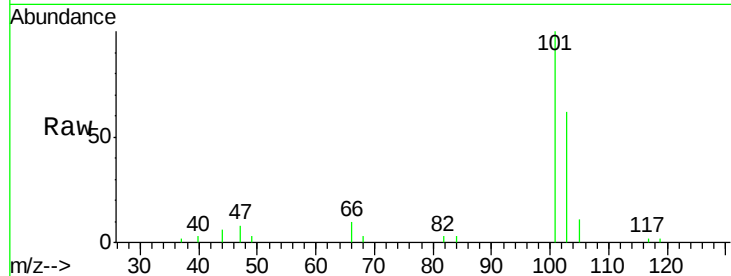
Trichlorofluoromethane  
Concen: 5.642 ug/l  
RT: 3.26 min Scan# 222  
Delta R.T. -0.00 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 62.0  | 53.0  | 79.4  |

Manual Integrations  
APPROVED

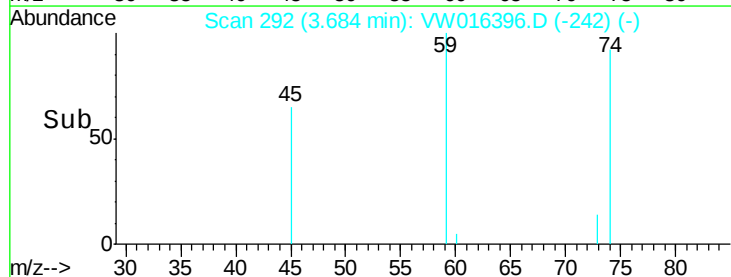
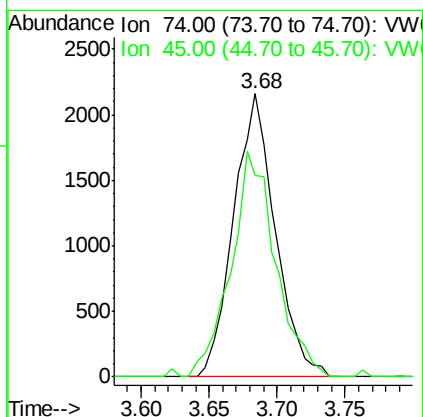
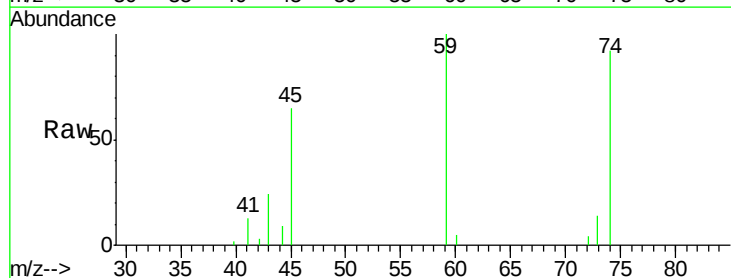
MMDadoda  
8/31/2020 11:59:24 AM

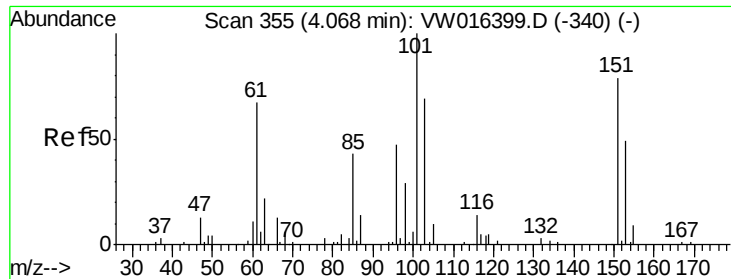


#8

Diethyl Ether  
Concen: 4.953 ug/l  
RT: 3.68 min Scan# 292  
Delta R.T. 0.01 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 85.4  | 42.0  | 126.0 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.632 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW016396.D

Acq: 28 Aug 2020 12:33

Instrument :

MSVOA\_W

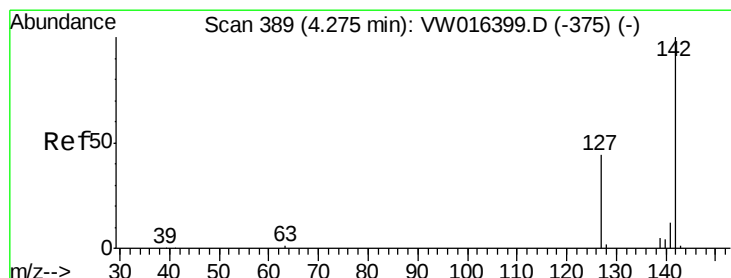
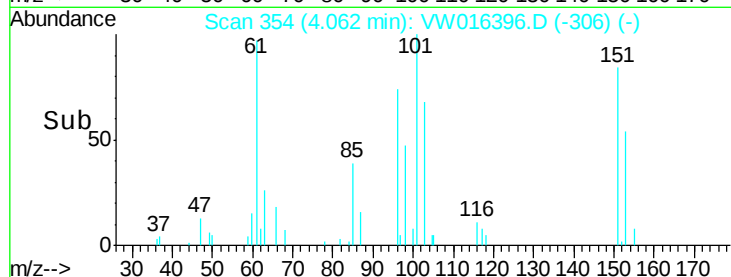
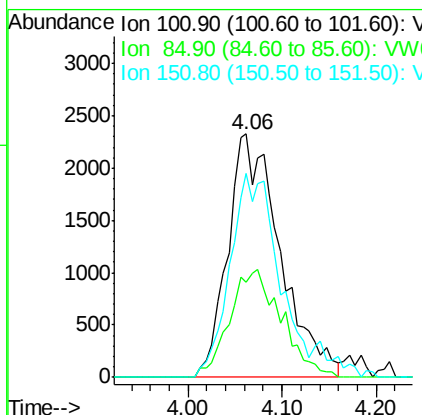
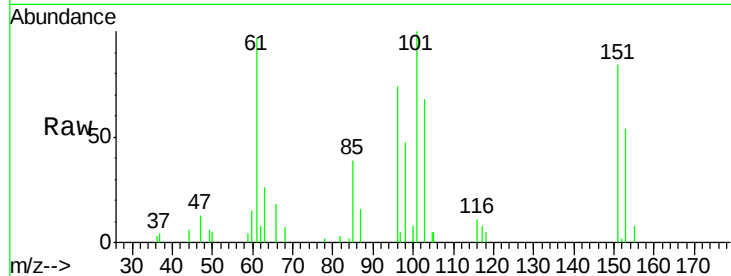
ClientSampleId :

VSTDIC005

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 101   | Resp: | 8992 |
| Ion Ratio | Lower | Upper |      |
| 101       | 100   |       |      |
| 85        | 43.9  | 34.2  | 51.2 |
| 151       | 76.7  | 63.8  | 95.8 |

Manual Integrations  
APPROVED

MMDadoda  
8/31/2020 11:59:24 AM



#10

Methyl Iodide

Concen: 4.434 ug/l

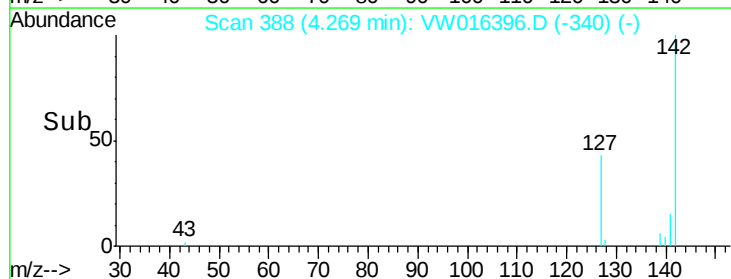
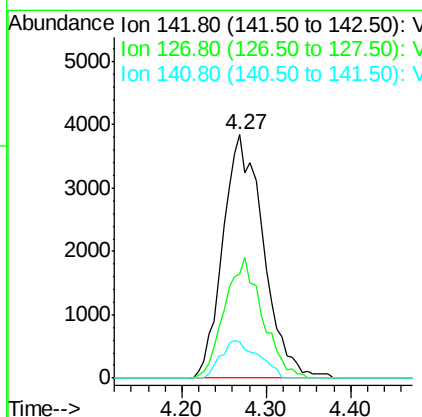
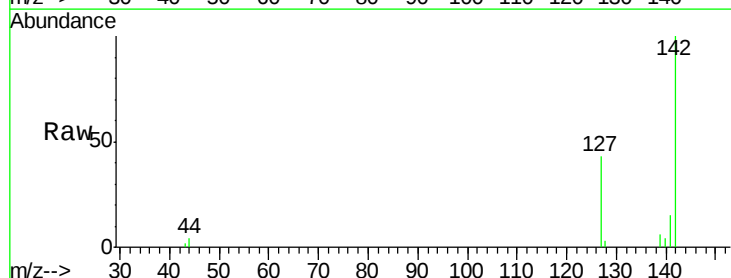
RT: 4.27 min Scan# 388

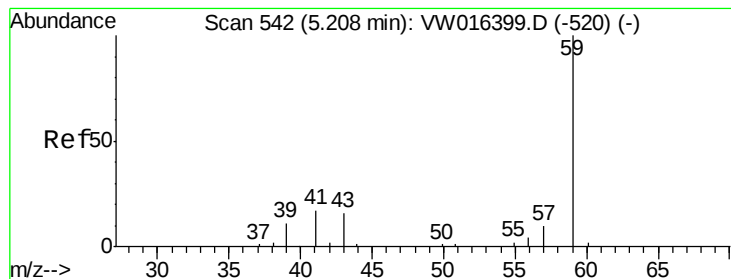
Delta R.T. -0.01 min

Lab File: VW016396.D

Acq: 28 Aug 2020 12:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 12554 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 46.3  | 36.2  | 54.4  |
| 141       | 14.3  | 11.8  | 17.6  |





#11

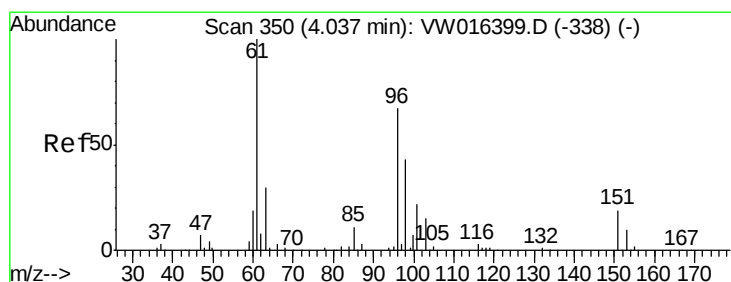
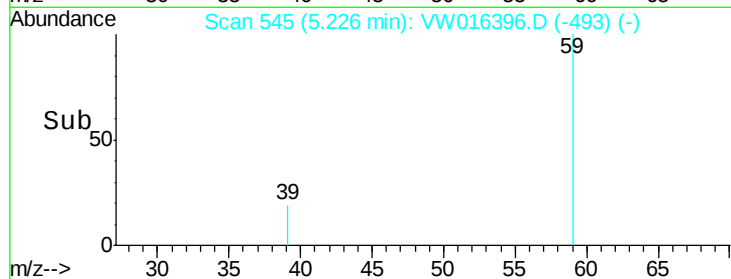
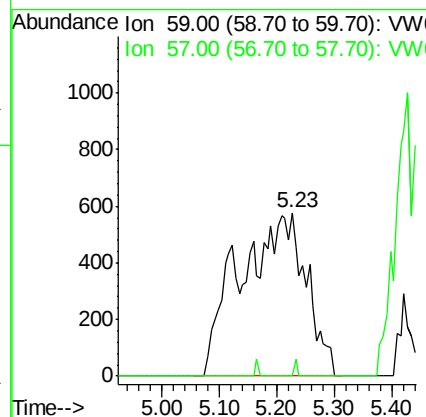
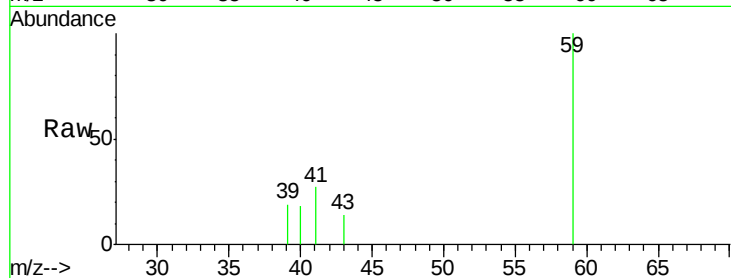
Tert butyl alcohol  
 Concen: 46.936 ug/l m  
 RT: 5.23 min Scan# 545  
 Delta R.T. 0.02 min  
 Lab File: VW016396.D  
 Acq: 28 Aug 2020 12:33

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 0.0   | 8.2   | 12.4# |

Manual Integrations  
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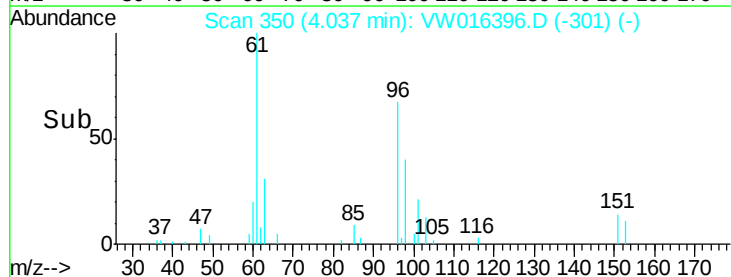
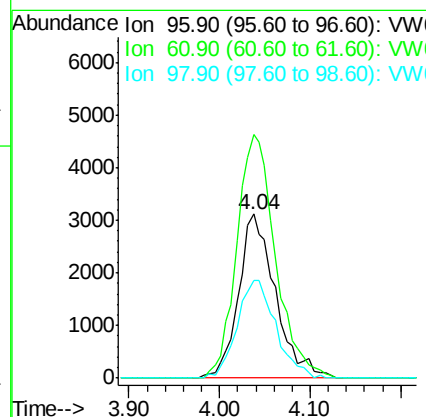
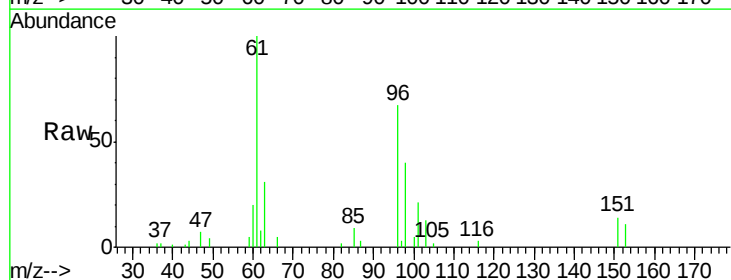
MMDadoda  
 8/31/2020 11:59:24 AM

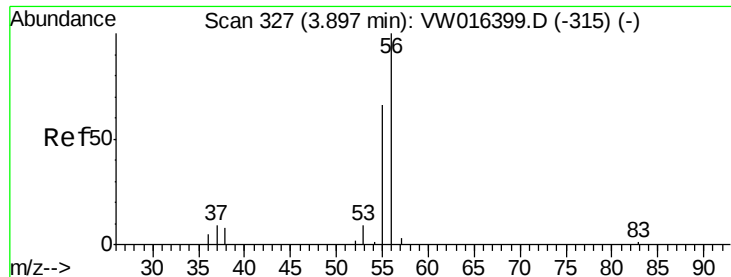


#12

1,1-Dichloroethene  
 Concen: 4.450 ug/l  
 RT: 4.04 min Scan# 350  
 Delta R.T. -0.00 min  
 Lab File: VW016396.D  
 Acq: 28 Aug 2020 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 148.4 | 119.0 | 178.4 |
| 98      | 59.2  | 50.6  | 76.0  |





#13

Acrolein

Concen: 17.227 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW016396.D

Acq: 28 Aug 2020 12:33

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 2207

Ion Ratio Lower Upper

56 100

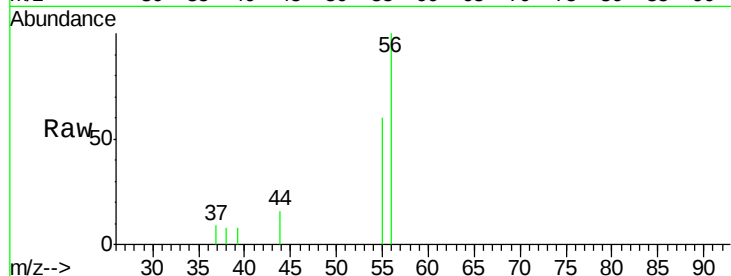
55 78.4 54.8 82.2

Manual Integrations

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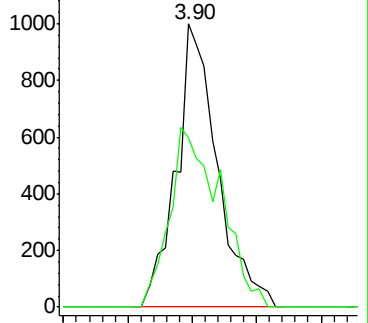
MMDadoda

8/31/2020 11:59:24 AM

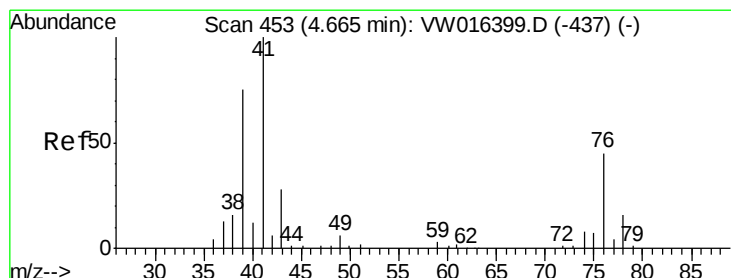
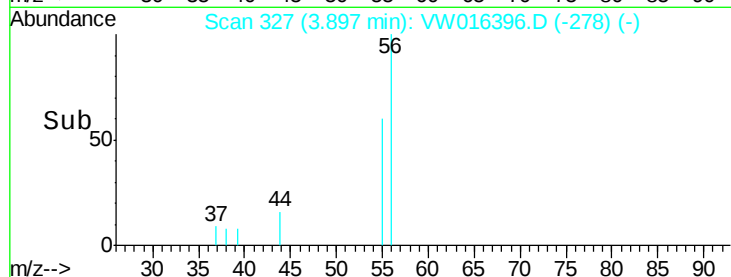


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



Time-->



#14

Allyl chloride

Concen: 4.142 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW016396.D

Acq: 28 Aug 2020 12:33

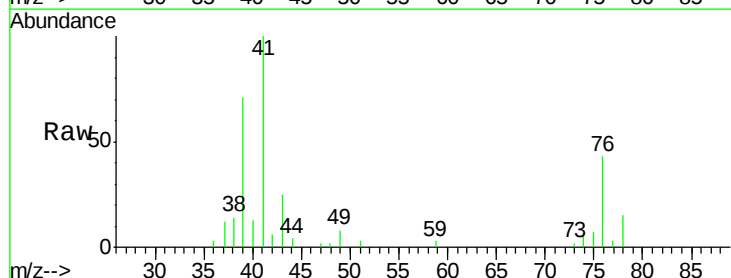
Tgt Ion: 41 Resp: 10830

Ion Ratio Lower Upper

41 100

39 76.9 60.2 90.2

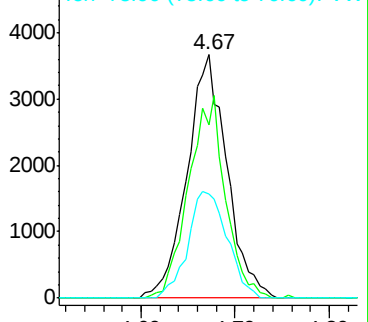
76 43.6 35.7 53.5



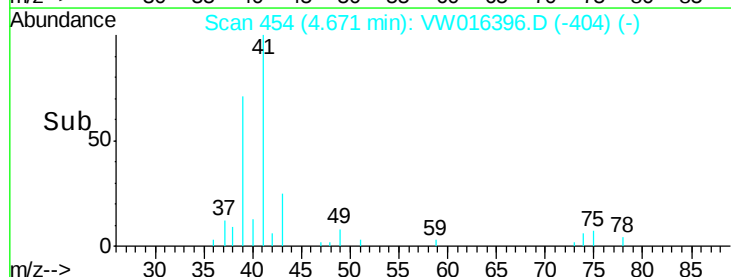
Abundance Ion 41.00 (40.70 to 41.70): VW

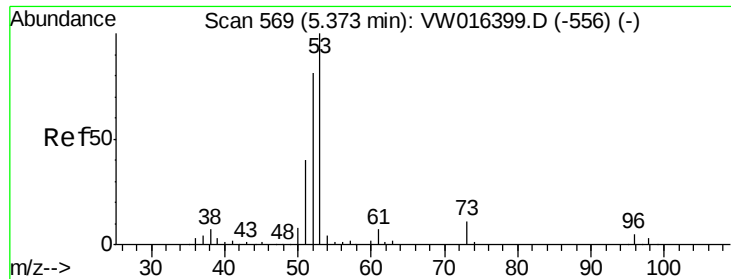
Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW



Time-->





#15

Acrylonitrile

Concen: 23.298 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW016396.D

Acq: 28 Aug 2020 12:33

Instrument :

MSVOA\_W

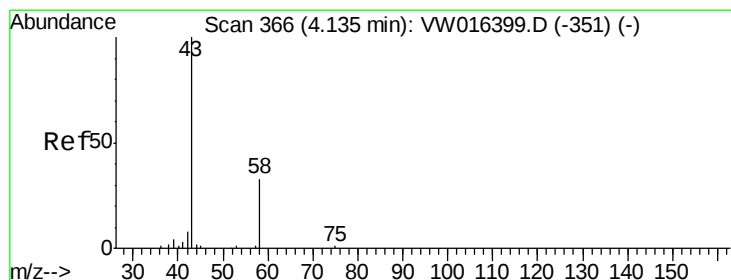
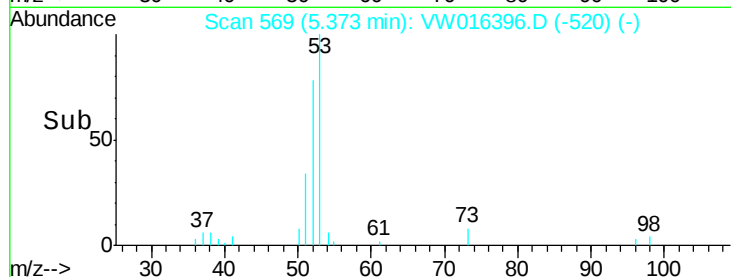
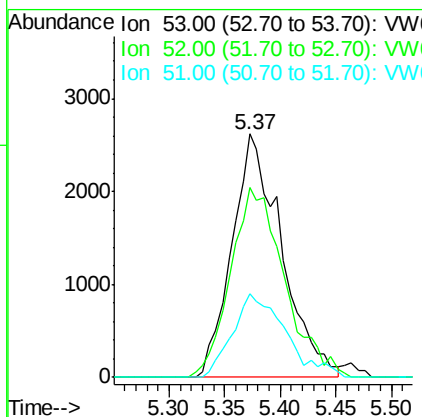
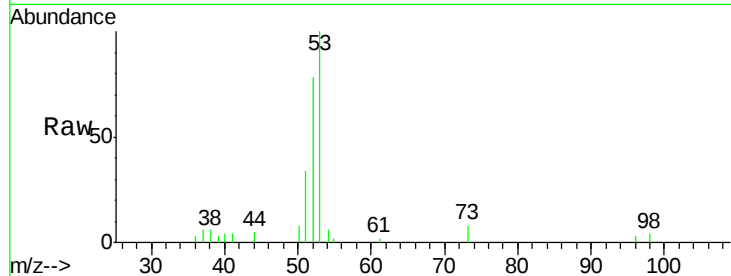
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 8112  |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 84.7  | 66.1  | 99.1  |
| 51       | 36.6  | 29.9  | 44.9  |

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#16

Acetone

Concen: 27.372 ug/l

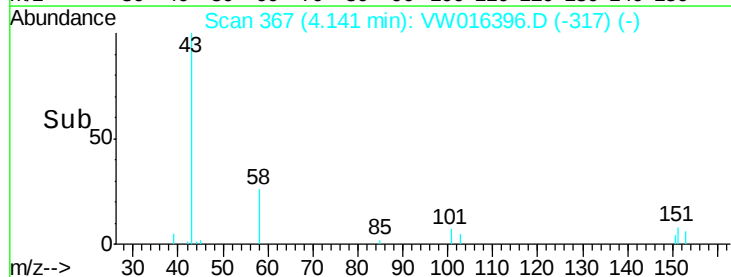
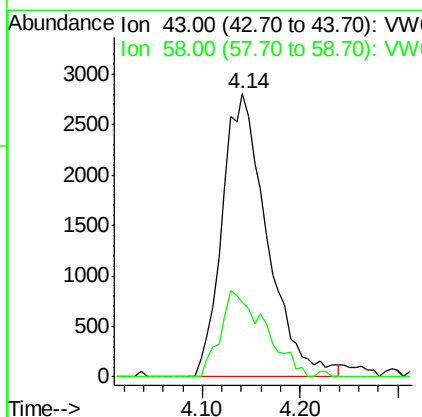
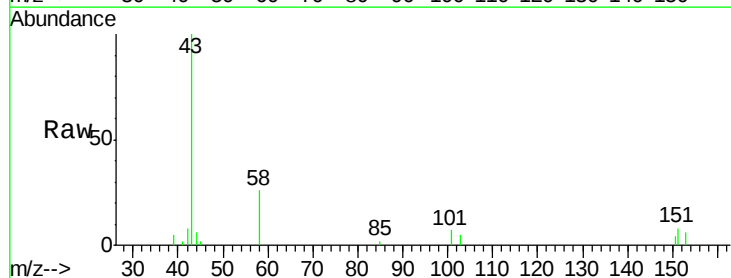
RT: 4.14 min Scan# 367

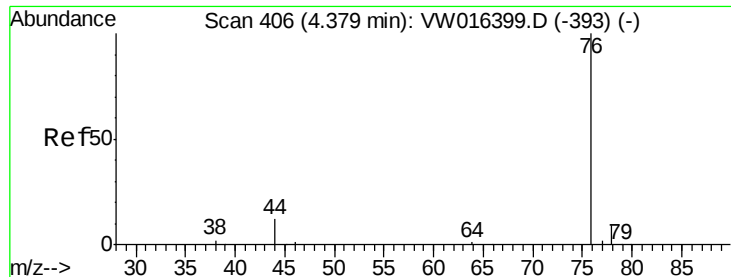
Delta R.T. 0.01 min

Lab File: VW016396.D

Acq: 28 Aug 2020 12:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 8935  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 26.3  | 26.6  | 39.8# |





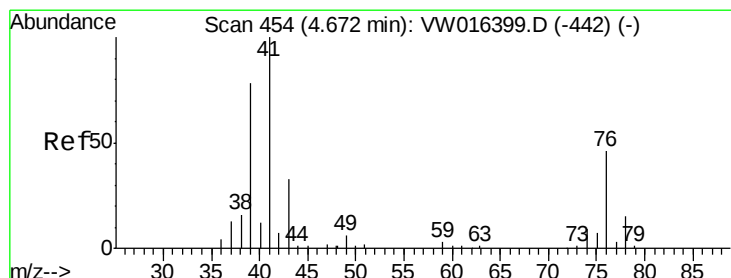
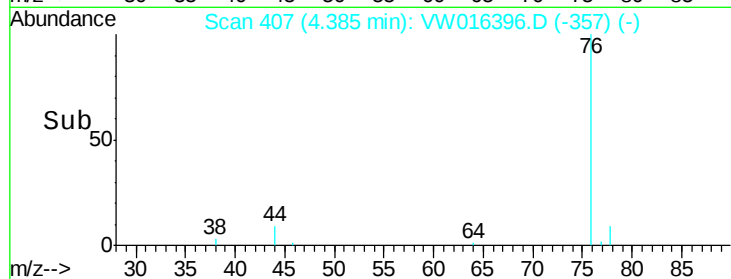
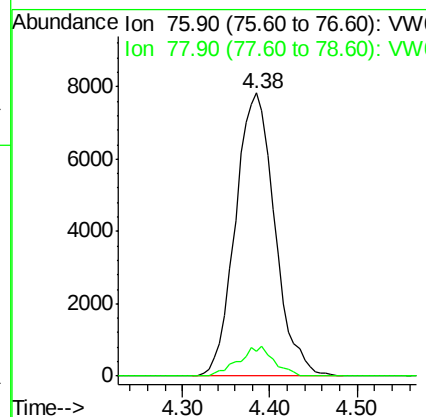
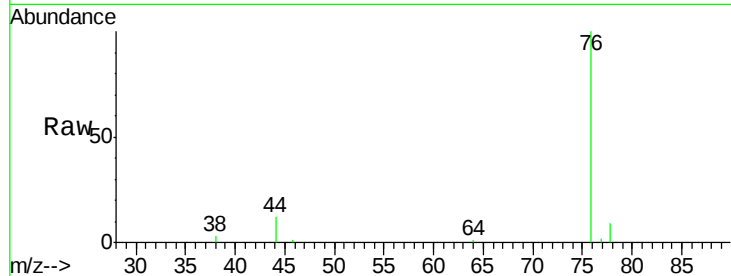
#17  
Carbon Disulfide  
Concen: 4.224 ug/l  
RT: 4.38 min Scan# 407  
Delta R.T. 0.01 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.7   | 7.4   | 11.2  |

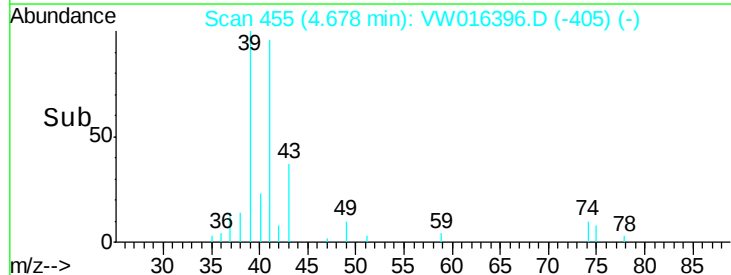
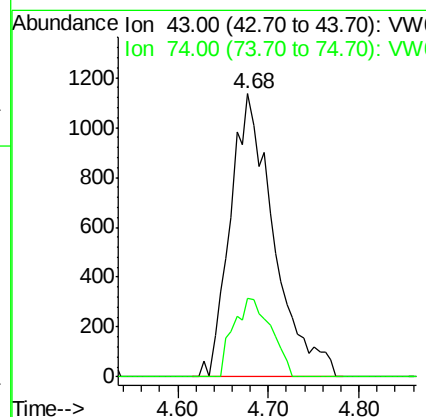
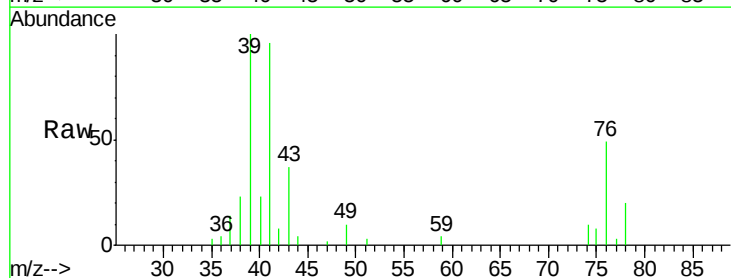
Manual Integrations  
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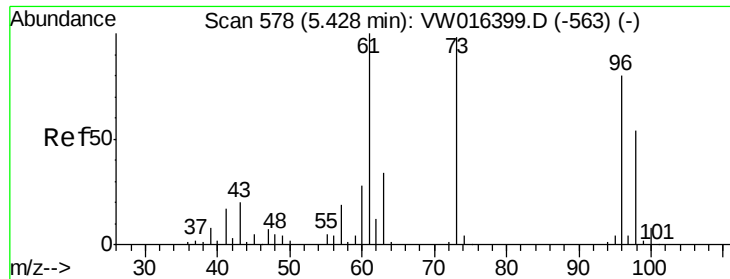
MMDadoda  
8/31/2020 11:59:24 AM



#18  
Methyl Acetate  
Concen: 4.851 ug/l  
RT: 4.68 min Scan# 455  
Delta R.T. 0.01 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 23.9  | 23.2  | 34.8  |





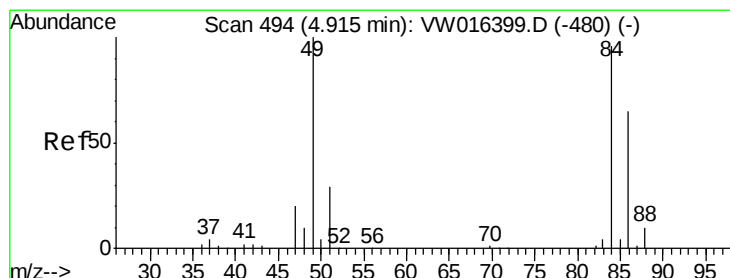
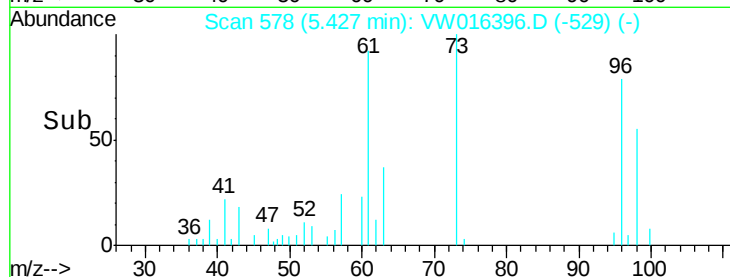
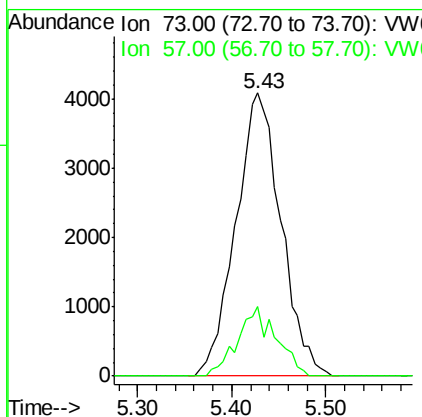
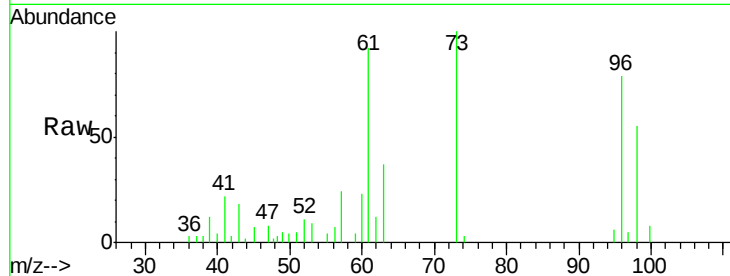
#19  
Methyl tert-butyl Ether  
Concen: 5.506 ug/l  
RT: 5.43 min Scan# 578  
Delta R.T. -0.00 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

Tot Ion: 73 Resp: 13686  
Ion Ratio Lower Upper  
73 100  
57 24.5 15.0 22.6#

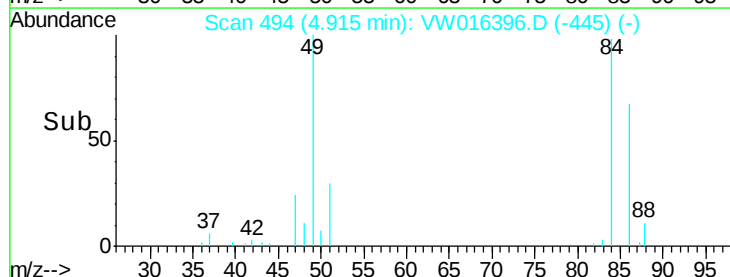
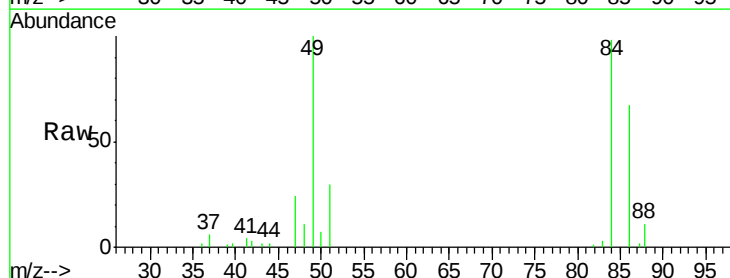
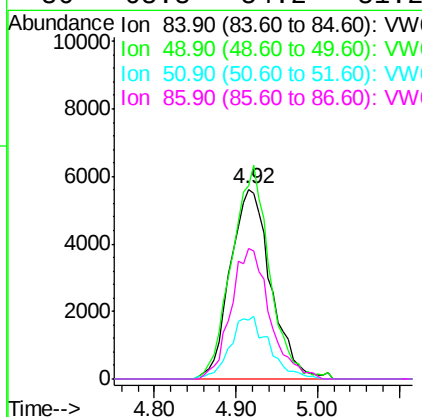
Manual Integrations  
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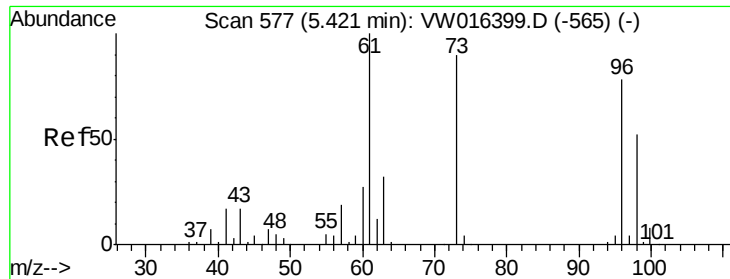
MMDadoda  
8/31/2020 11:59:24 AM



#20  
Methylene Chloride  
Concen: 7.704 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. -0.00 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

Tgt Ion: 84 Resp: 19451  
Ion Ratio Lower Upper  
84 100  
49 102.0 83.2 124.8  
51 31.0 24.4 36.6  
86 68.8 54.2 81.2





#21

trans-1,2-Dichloroethene

Concen: 4.664 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW016396.D

Acq: 28 Aug 2020 12:33

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 10039

Ion Ratio Lower Upper

96 100

61 116.1 103.0 154.6

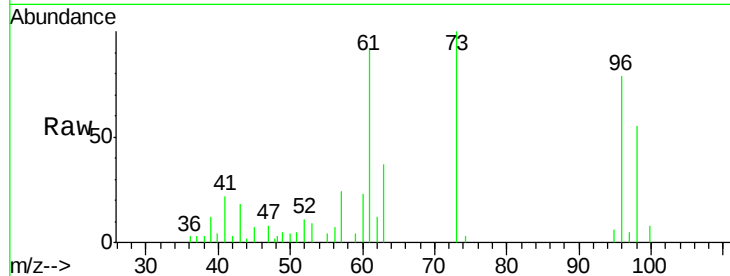
98 69.7 53.8 80.6

Manual Integrations

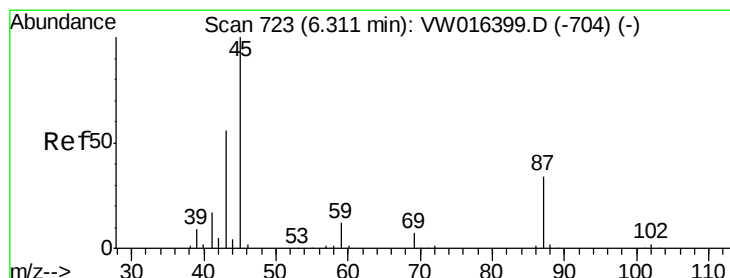
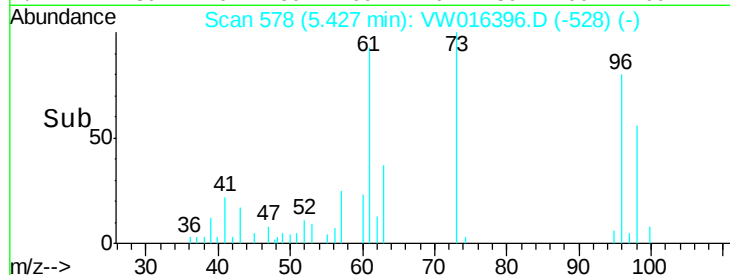
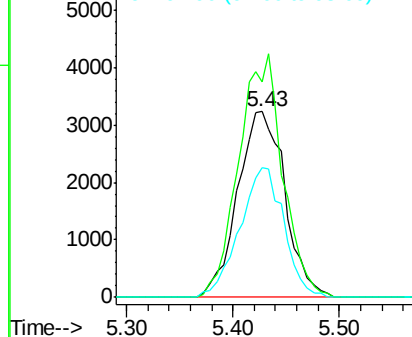
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8/31/2020 11:59:24 AM



Abundance Ion 95.90 (95.60 to 96.60): VW  
Ion 60.90 (60.60 to 61.60): VW  
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 4.380 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW016396.D

Acq: 28 Aug 2020 12:33

Tgt Ion: 45 Resp: 21625

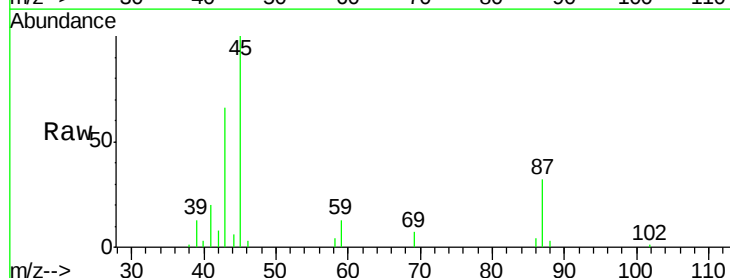
Ion Ratio Lower Upper

45 100

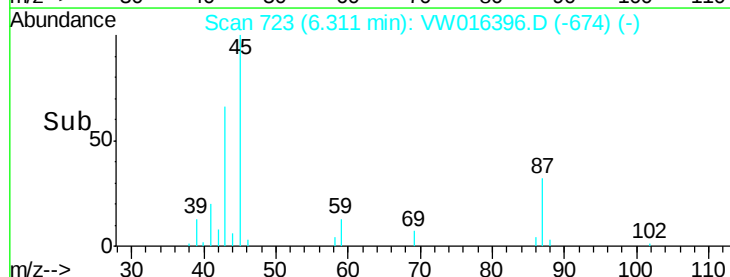
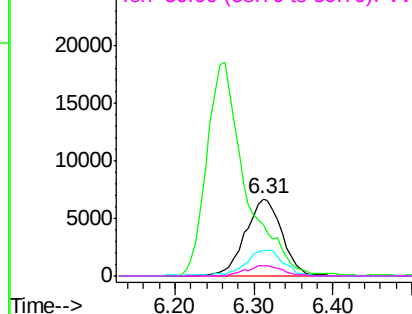
43 63.9 44.6 67.0

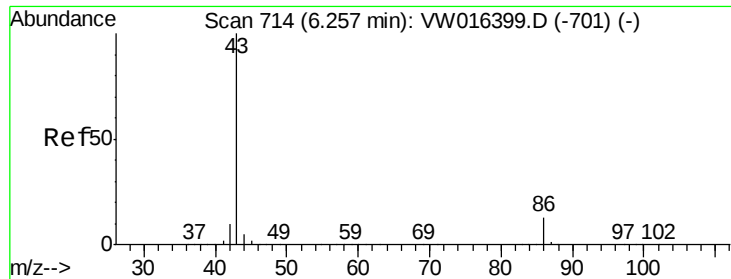
87 32.5 27.5 41.3

59 13.1 10.2 15.2



Abundance Ion 45.00 (44.70 to 45.70): VW  
Ion 43.00 (42.70 to 43.70): VW  
Ion 87.00 (86.70 to 87.70): VW  
Ion 59.00 (58.70 to 59.70): VW





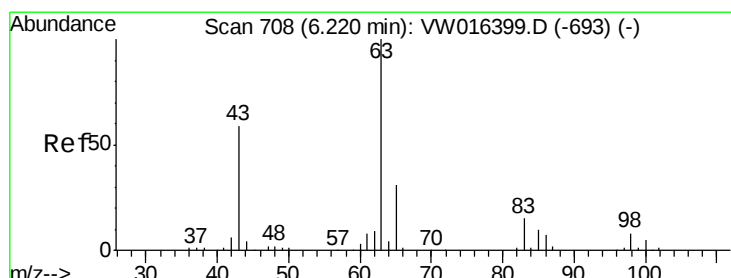
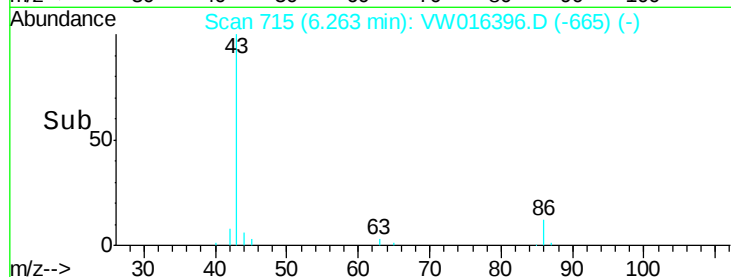
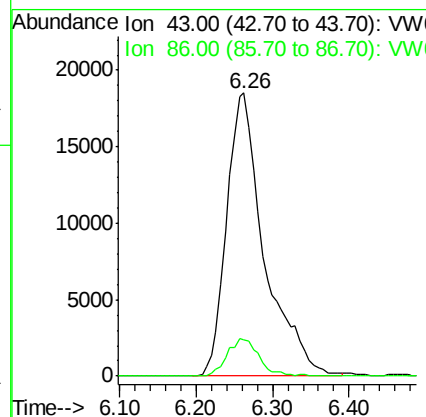
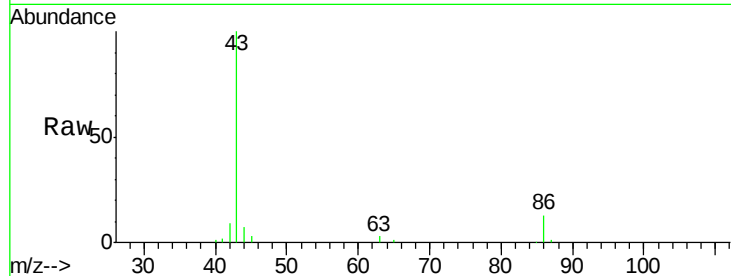
#23  
 Vinyl Acetate  
 Concen: 22.288 ug/l  
 RT: 6.26 min Scan# 715  
 Delta R.T. 0.01 min  
 Lab File: VW016396.D  
 Acq: 28 Aug 2020 12:33

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
 VSTDIC005

| Tot Ion   | 43    | Resp  | 63224 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 86        | 13.0  | 10.6  | 15.8  |

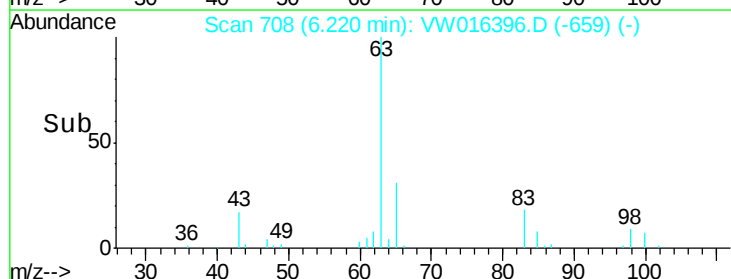
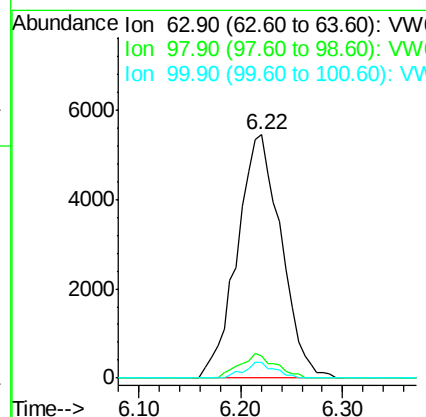
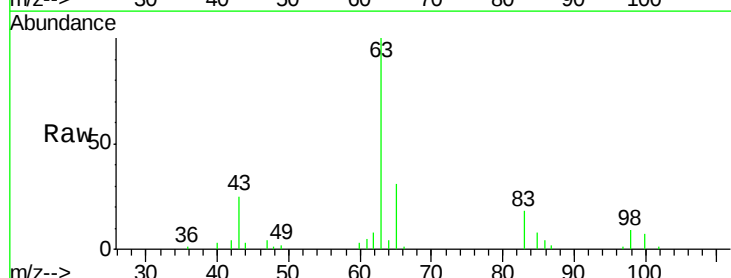
Manual Integrations  
 APPROVED

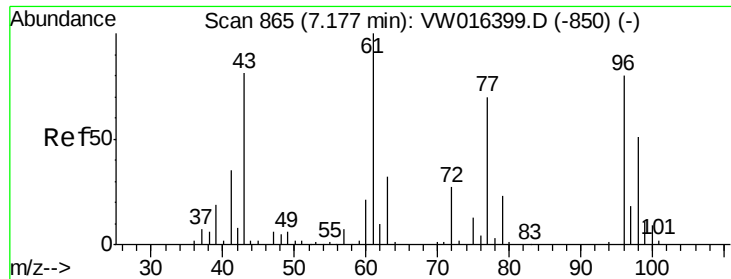
MMDadoda  
 8/31/2020 11:59:24 AM



#24  
 1,1-Dichloroethane  
 Concen: 4.679 ug/l  
 RT: 6.22 min Scan# 708  
 Delta R.T. -0.00 min  
 Lab File: VW016396.D  
 Acq: 28 Aug 2020 12:33

| Tgt Ion   | 63    | Resp  | 16264 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 98        | 9.2   | 3.8   | 11.2  |
| 100       | 6.6   | 2.5   | 7.5   |





#25

2-Butanone

Concen: 26.556 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW016396.D

Acq: 28 Aug 2020 12:33

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 11779

Ion Ratio Lower Upper

43 100

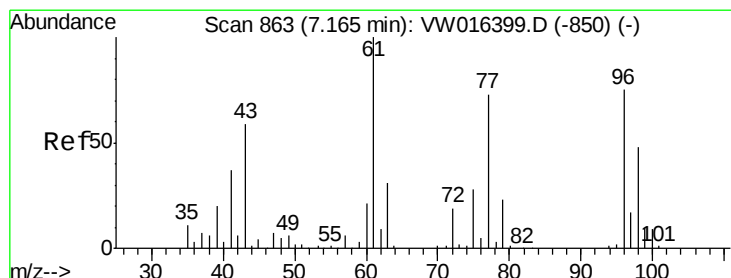
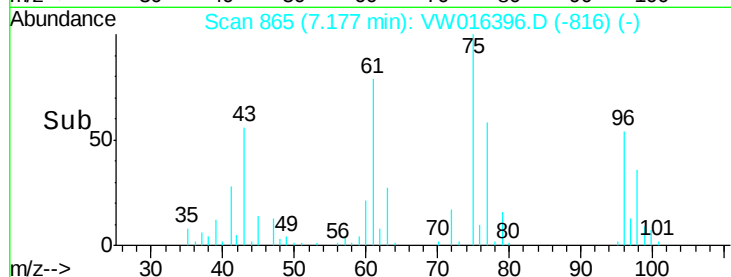
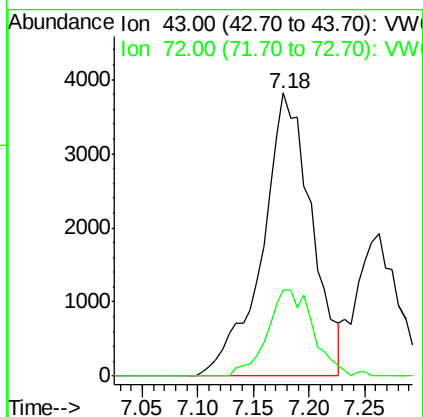
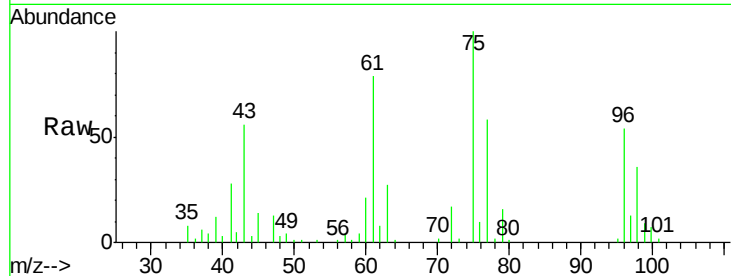
72 30.7 26.7 40.1

Manual Integrations

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8/31/2020 11:59:24 AM



#26

2,2-Dichloropropane

Concen: 6.258 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW016396.D

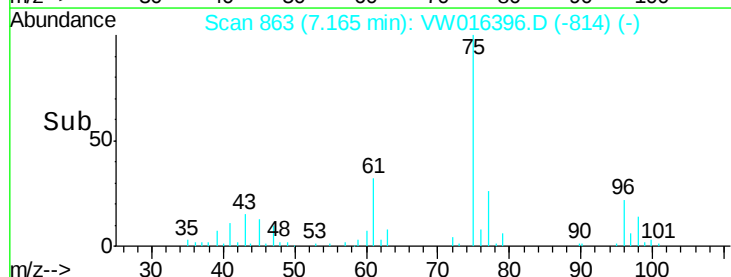
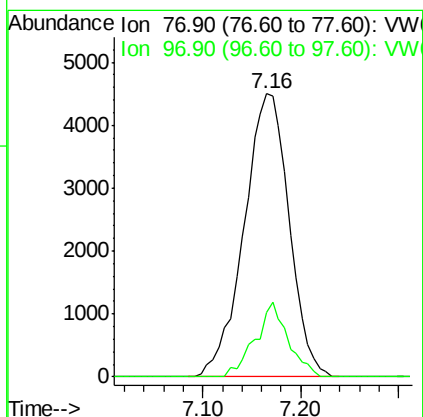
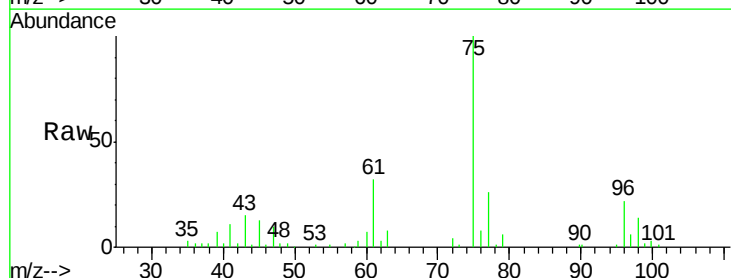
Acq: 28 Aug 2020 12:33

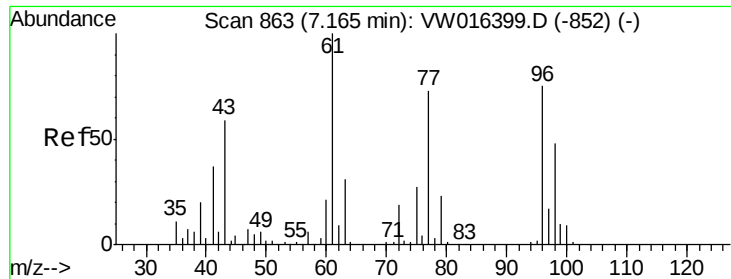
Tgt Ion: 77 Resp: 14387

Ion Ratio Lower Upper

77 100

97 19.2 11.7 35.0





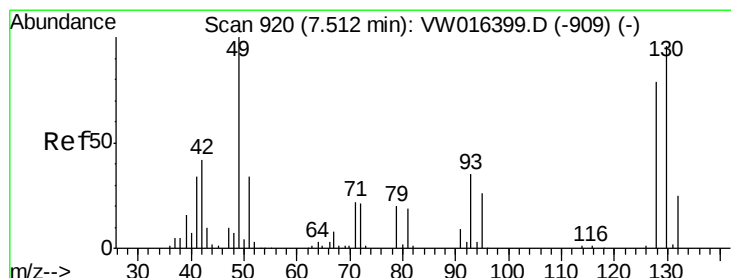
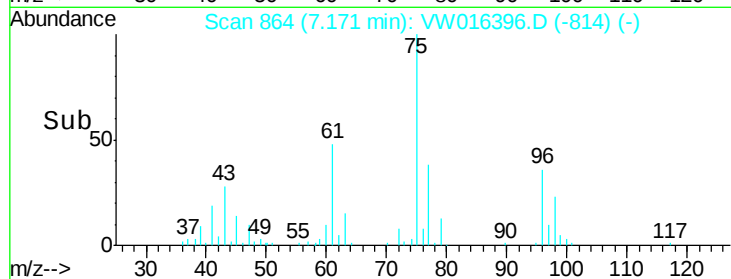
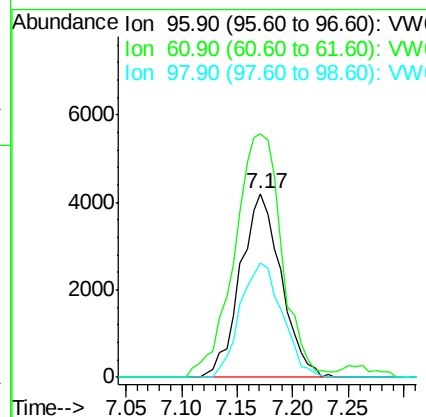
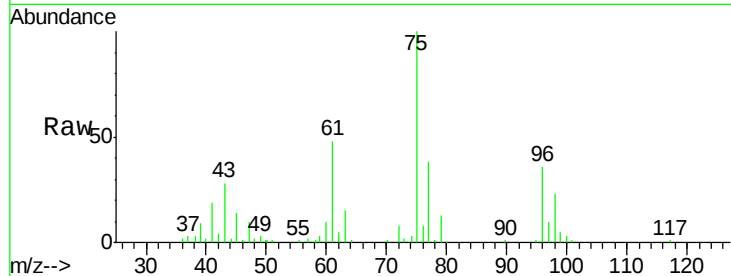
#27  
 cis-1,2-Dichloroethene  
 Concen: 4.772 ug/l  
 RT: 7.17 min Scan# 864  
 Delta R.T. 0.01 min  
 Lab File: VW016396.D  
 Acq: 28 Aug 2020 12:33

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 153.8 | 0.0   | 268.6 |
| 98      | 64.0  | 0.0   | 130.0 |

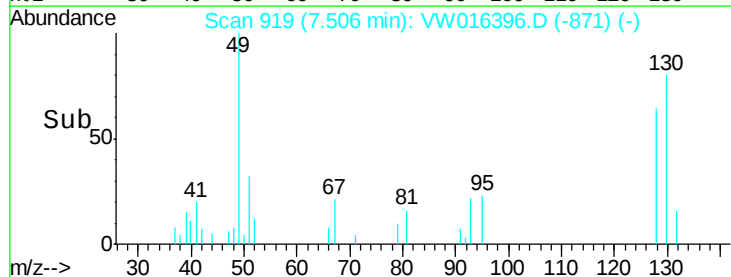
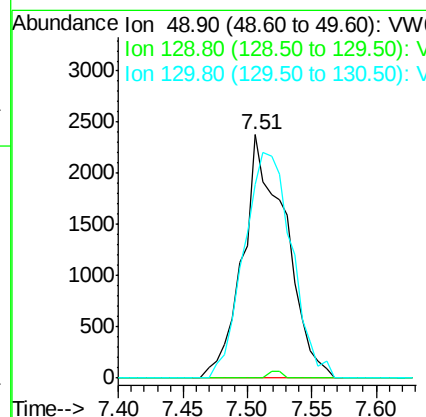
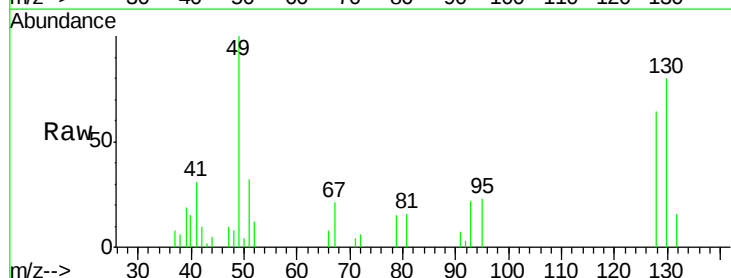
Manual Integrations  
 APPROVED

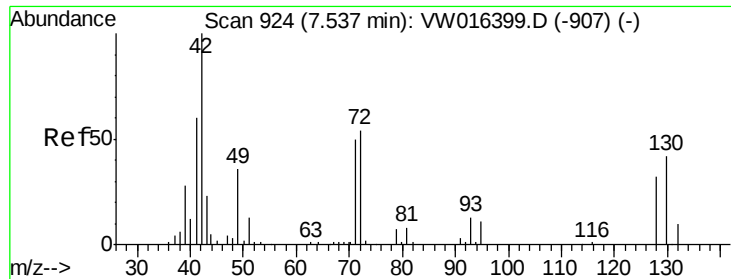
MMDadoda  
 8/31/2020 11:59:24 AM



#28  
 Bromochloromethane  
 Concen: 4.232 ug/l  
 RT: 7.51 min Scan# 919  
 Delta R.T. -0.01 min  
 Lab File: VW016396.D  
 Acq: 28 Aug 2020 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.9   | 0.0   | 1.8   |
| 130     | 103.1 | 80.8  | 121.2 |





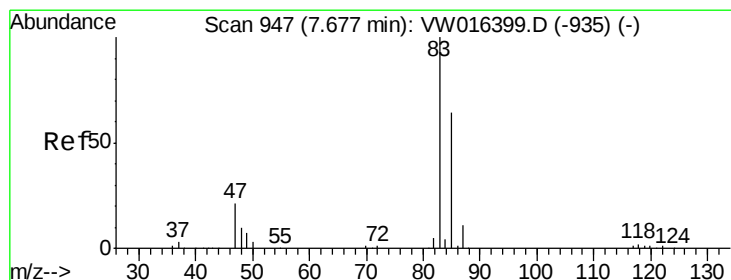
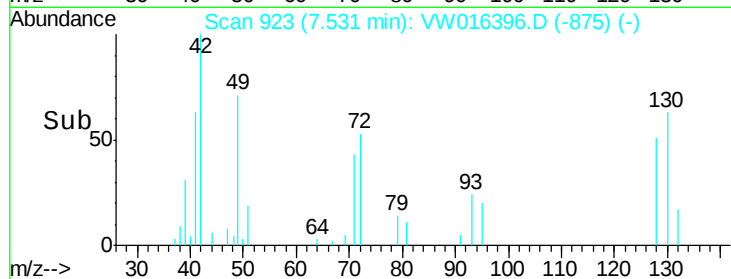
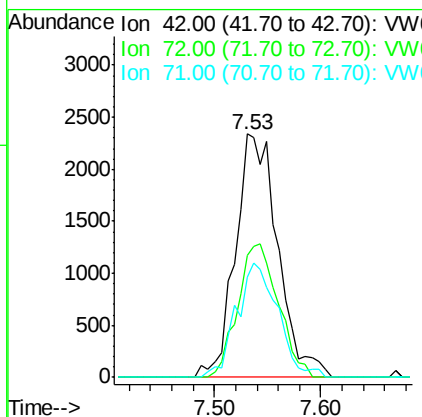
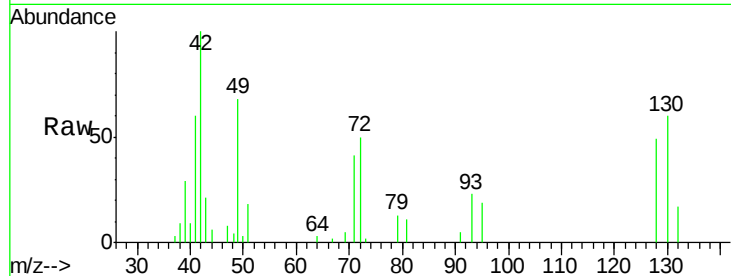
#29  
Tetrahydrofuran  
Concen: 24.527 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. -0.01 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 52.4  | 42.3  | 63.5  |
| 71      | 45.6  | 39.5  | 59.3  |

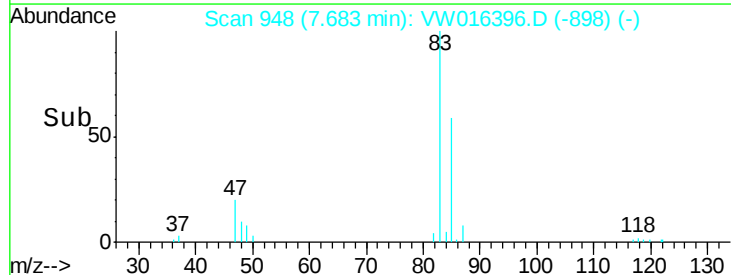
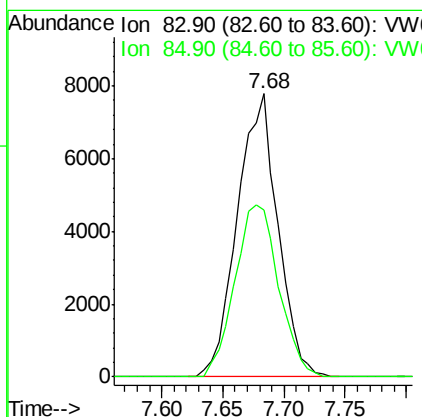
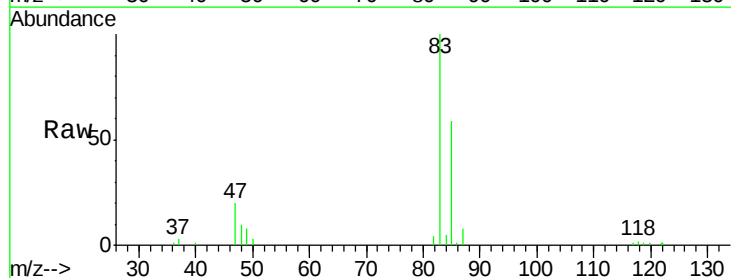
Manual Integrations  
APPROVED

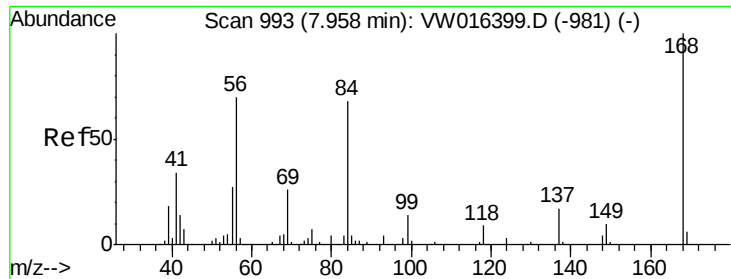
MMDadoda  
8/31/2020 11:59:24 AM



#30  
Chloroform  
Concen: 4.878 ug/l  
RT: 7.68 min Scan# 948  
Delta R.T. 0.01 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 58.8  | 51.6  | 77.4  |





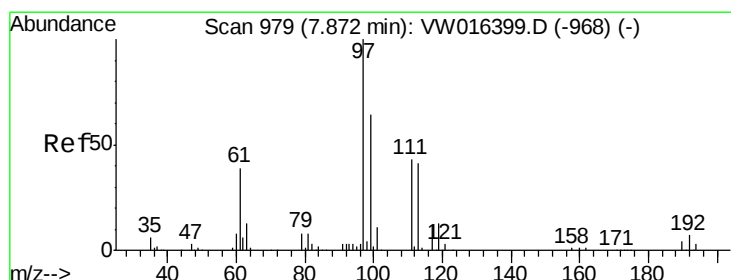
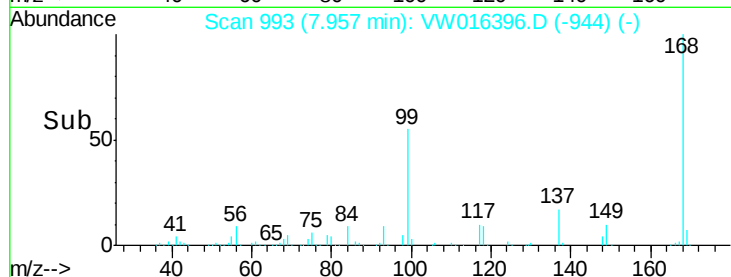
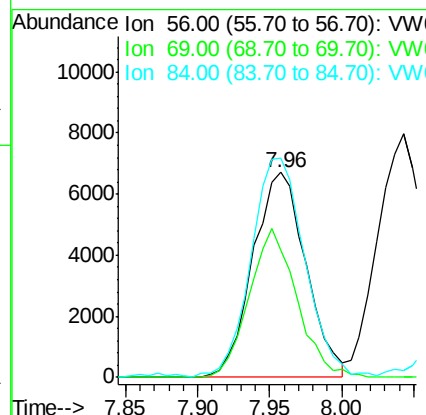
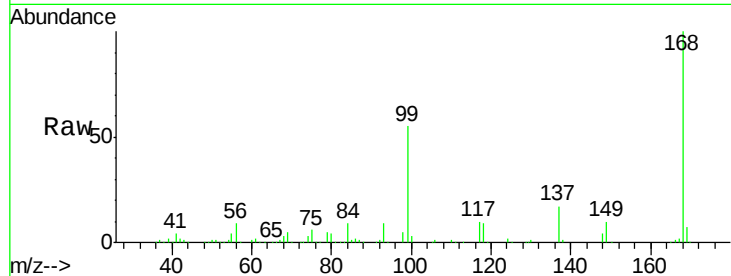
#31  
Cyclohexane  
Concen: 5.369 ug/l  
RT: 7.96 min Scan# 993  
Delta R.T. -0.00 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 62.0  | 30.0  | 45.0# |
| 84      | 106.7 | 77.4  | 116.2 |

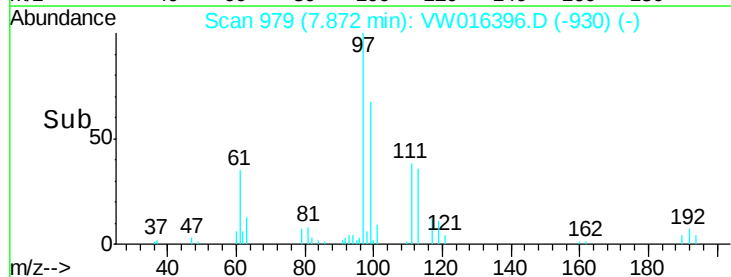
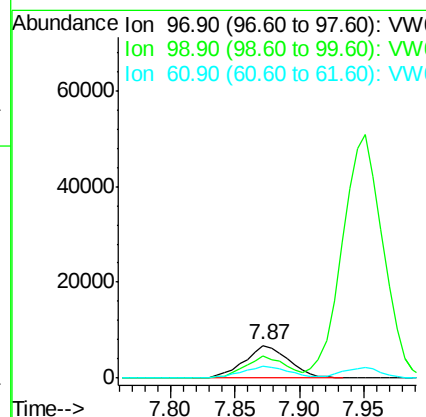
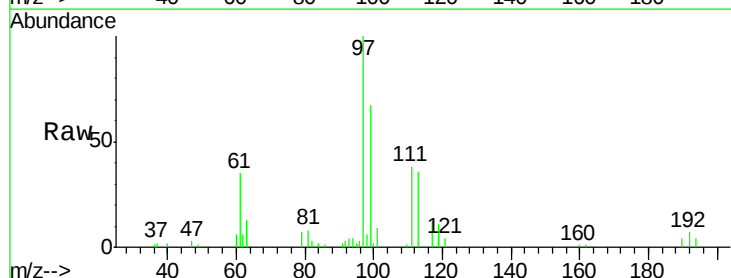
Manual Integrations  
APPROVED

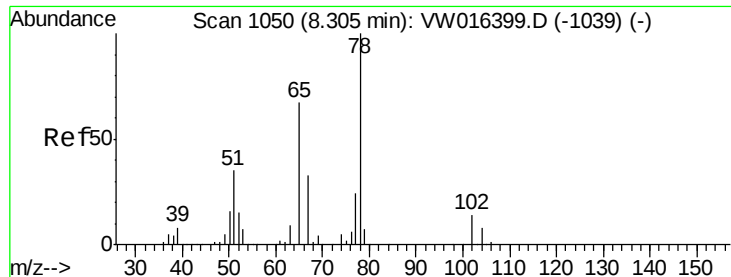
MMDadoda  
8/31/2020 11:59:24 AM



#32  
1,1,1-Trichloroethane  
Concen: 5.174 ug/l  
RT: 7.87 min Scan# 979  
Delta R.T. -0.00 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.7  | 52.0  | 78.0  |
| 61      | 38.5  | 31.0  | 46.6  |





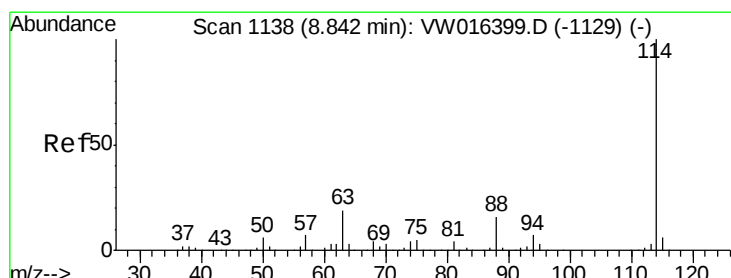
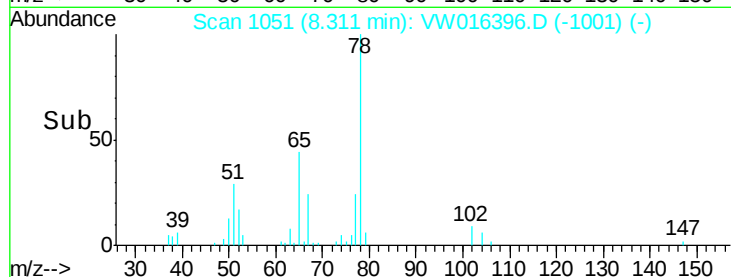
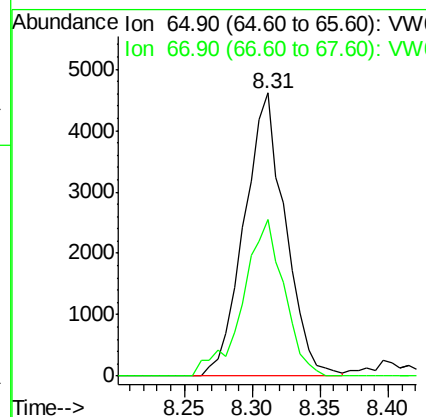
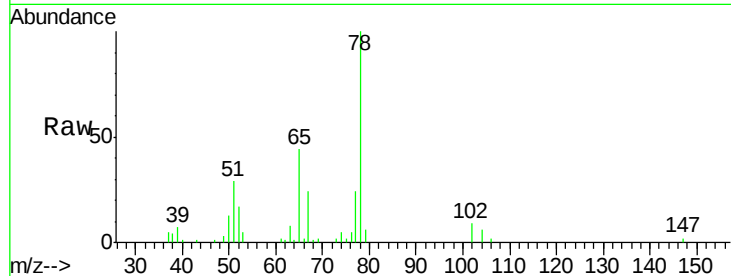
#33  
 1,2-Dichloroethane-d4  
 Concen: 5.490 ug/l  
 RT: 8.31 min Scan# 1051  
 Delta R.T. 0.01 min  
 Lab File: VW016396.D  
 Acq: 28 Aug 2020 12:33

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 55.6  | 0.0   | 100.2 |

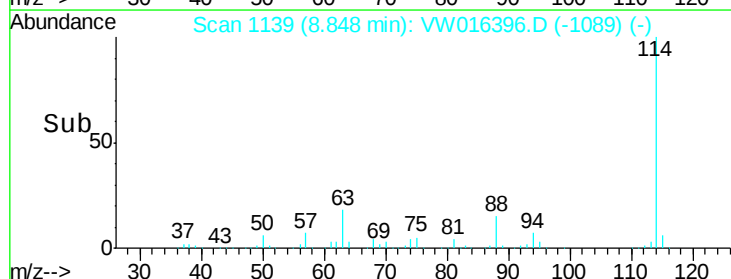
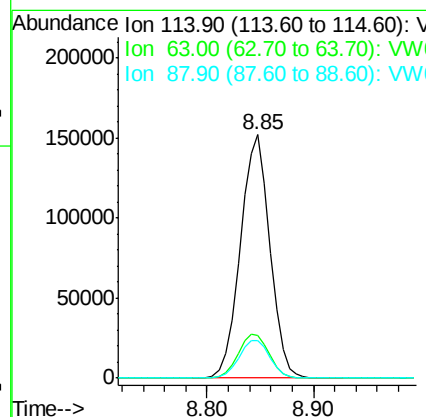
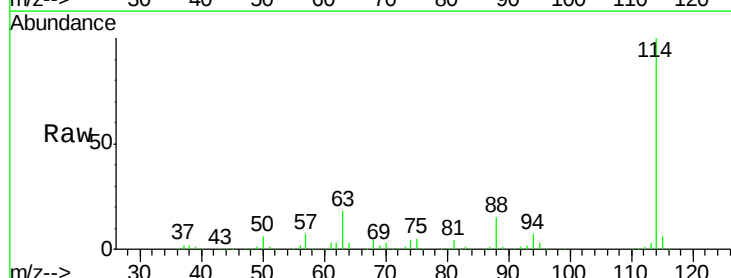
Manual Integrations  
 APPROVED

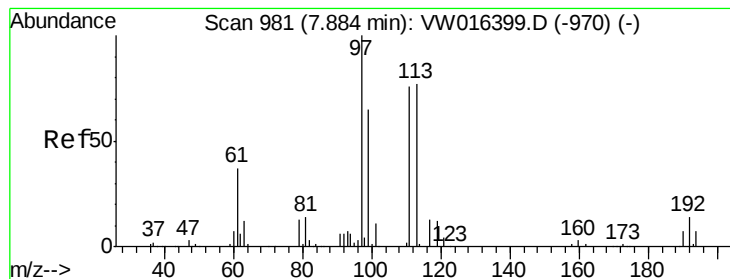
MMDadoda  
 8/31/2020 11:59:24 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. 0.01 min  
 Lab File: VW016396.D  
 Acq: 28 Aug 2020 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 17.7  | 0.0   | 37.8  |
| 88      | 15.2  | 0.0   | 31.2  |





#35

Dibromofluoromethane

Concen: 5.694 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW016396.D

Acq: 28 Aug 2020 12:33

Instrument :

MSVOA\_W

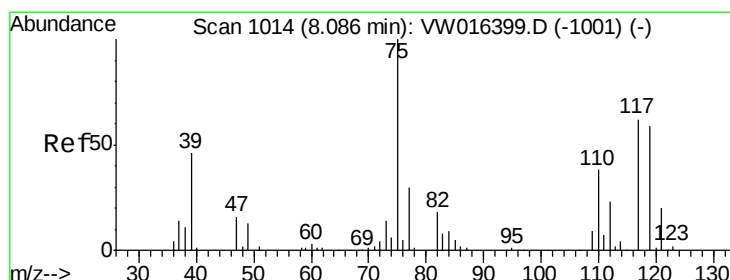
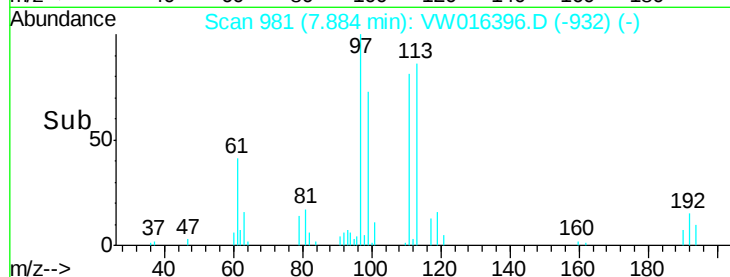
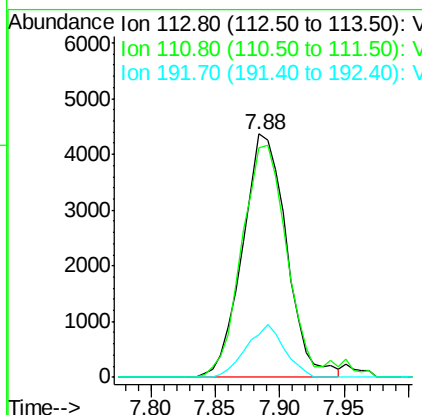
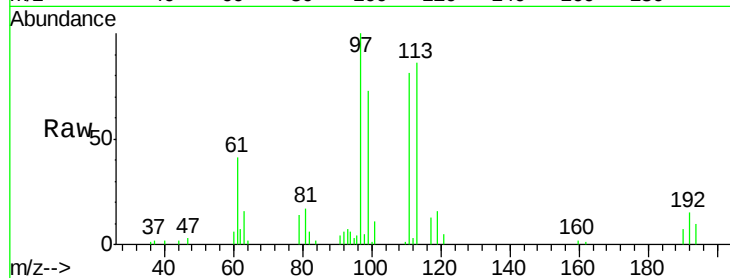
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 113   | Resp: | 10311 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 96.9  | 82.1  | 123.1 |
| 192       | 18.7  | 15.5  | 23.3  |

Manual Integrations  
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MMDadoda  
8/31/2020 11:59:24 AM



#36

1,1-Dichloropropene

Concen: 4.931 ug/l

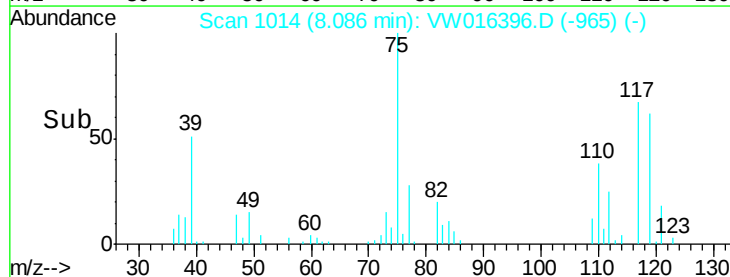
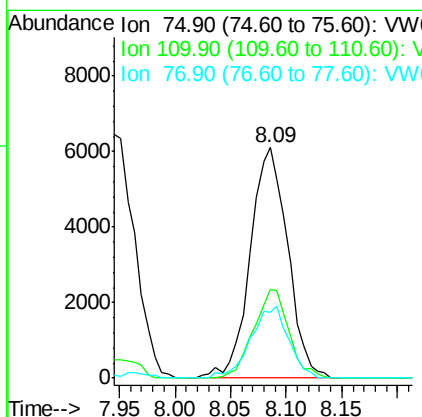
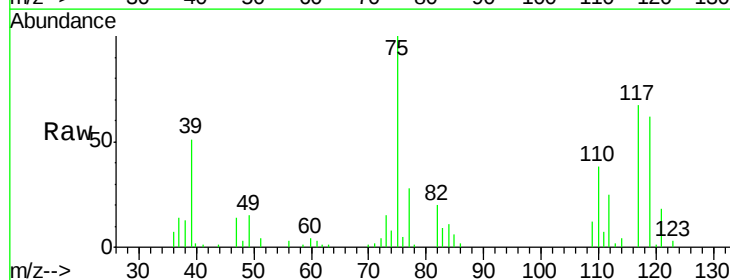
RT: 8.09 min Scan# 1014

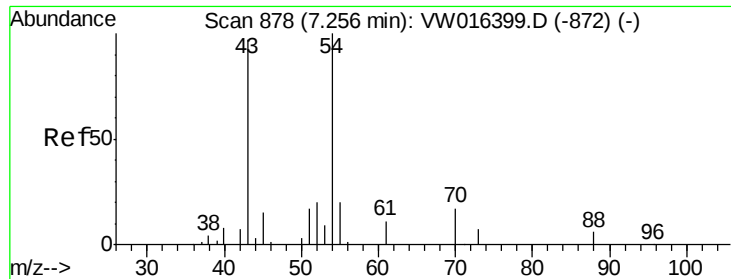
Delta R.T. -0.00 min

Lab File: VW016396.D

Acq: 28 Aug 2020 12:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 14336 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 36.2  | 18.6  | 56.0  |
| 77        | 31.2  | 25.1  | 37.7  |





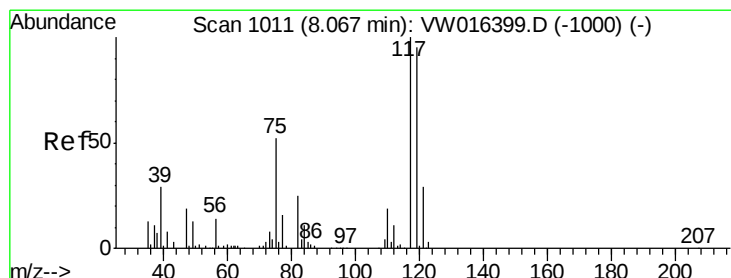
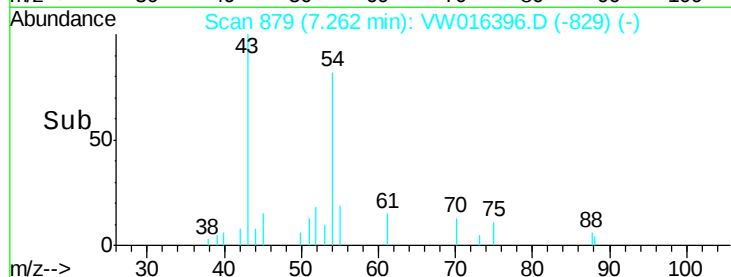
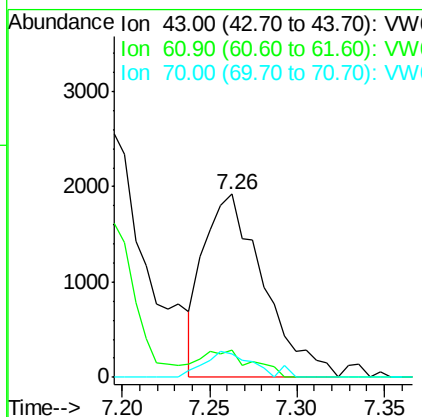
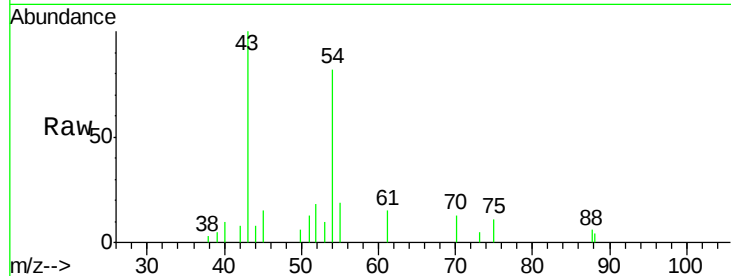
#37  
Ethyl Acetate  
Concen: 4.631 ug/l  
RT: 7.26 min Scan# 879  
Delta R.T. 0.01 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.4  | 11.5  | 17.3  |
| 70      | 10.6  | 10.7  | 16.1  |

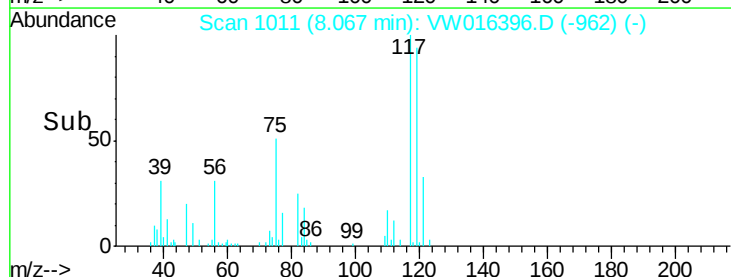
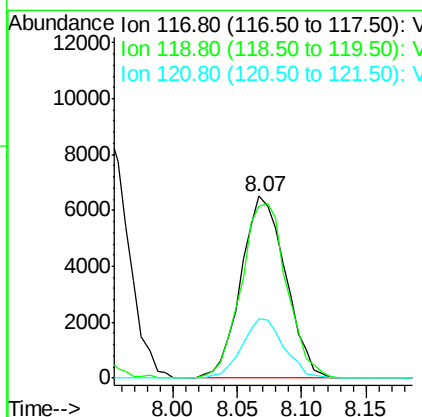
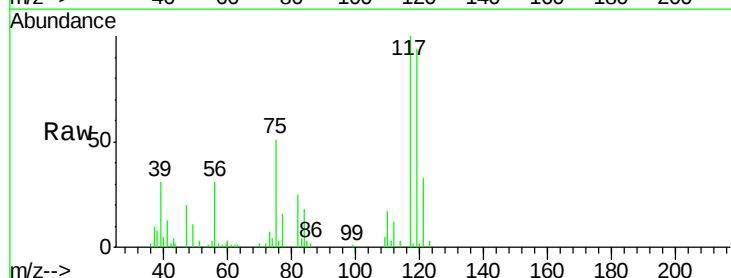
Manual Integrations  
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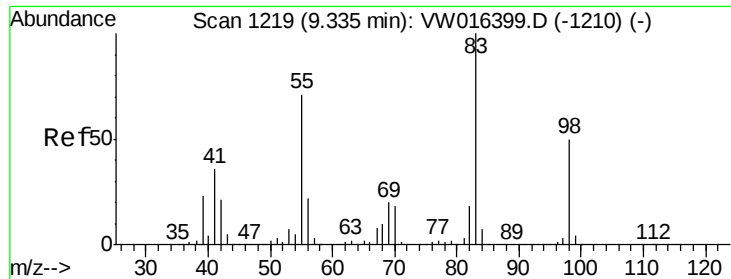
MMDadoda  
8/31/2020 11:59:24 AM



#38  
Carbon Tetrachloride  
Concen: 5.294 ug/l  
RT: 8.07 min Scan# 1011  
Delta R.T. -0.00 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.3  | 76.3  | 114.5 |
| 121     | 32.9  | 23.0  | 34.6  |





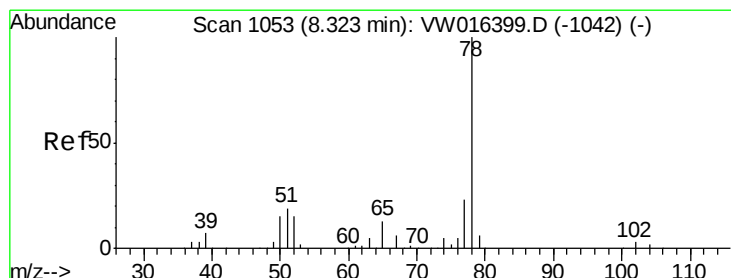
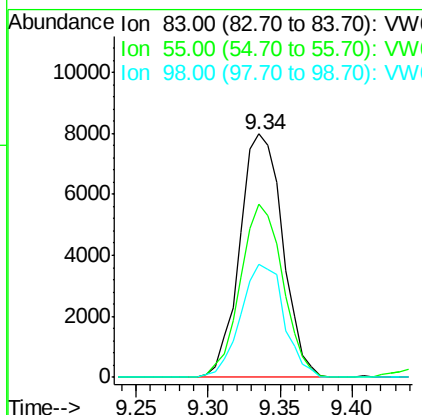
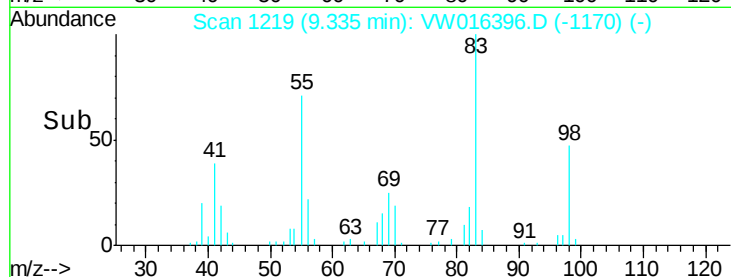
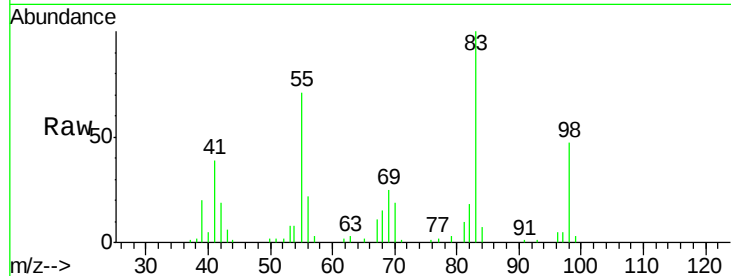
#39  
Methvlcvclohexane  
Concen: 4.707 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 71.1  | 57.0  | 85.6  |
| 98      | 46.5  | 39.9  | 59.9  |

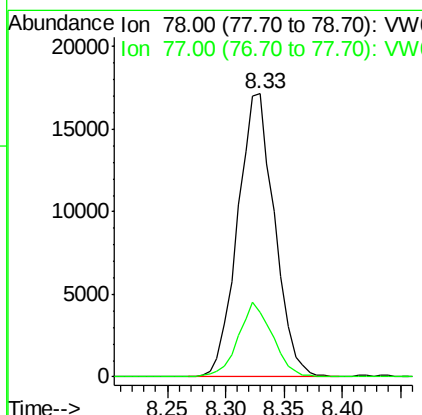
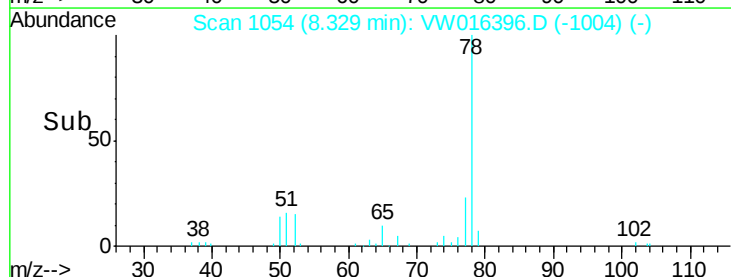
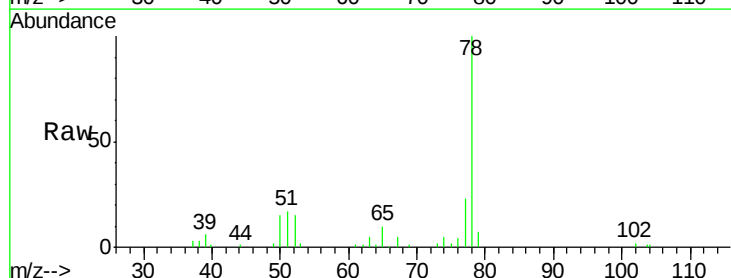
Manual Integrations  
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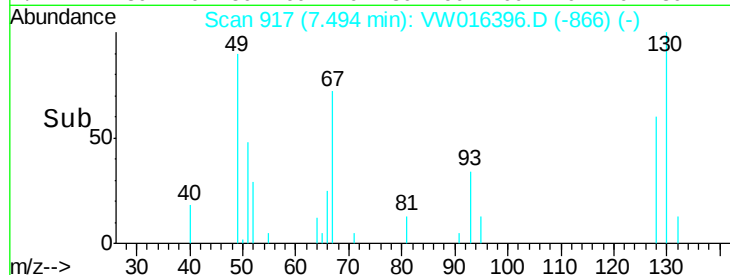
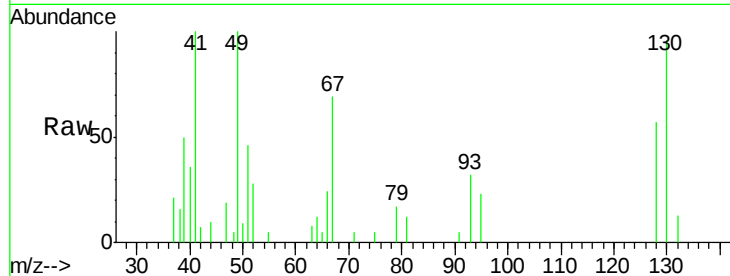
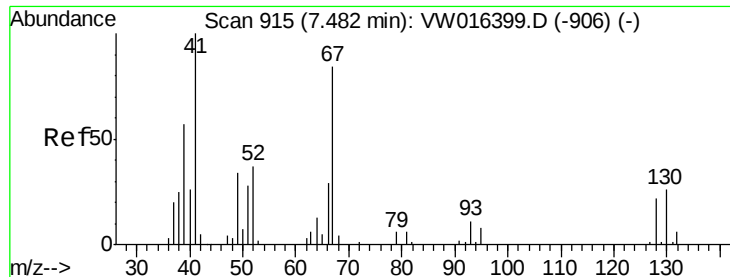
MMDadoda  
8/31/2020 11:59:24 AM



#40  
Benzene  
Concen: 4.645 ug/l  
RT: 8.33 min Scan# 1054  
Delta R.T. 0.01 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.0  | 18.6  | 27.8  |





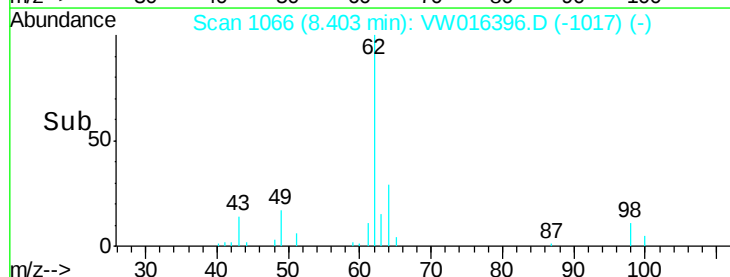
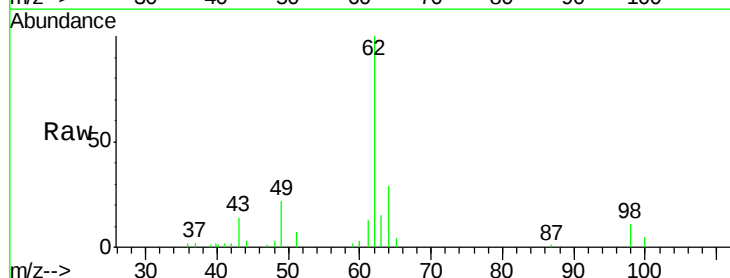
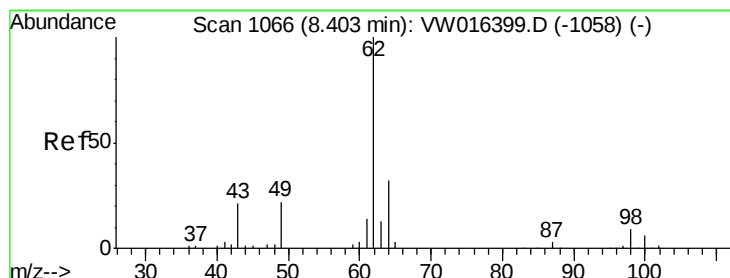
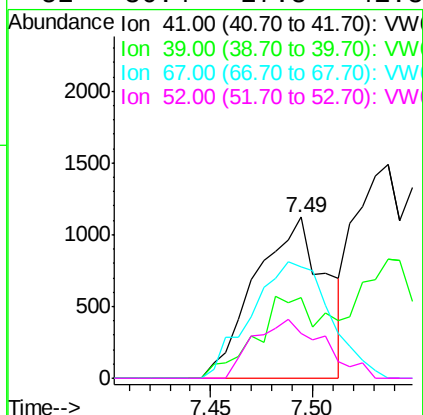
#41  
Methacrylonitrile  
Concen: 4.788 ug/l  
RT: 7.49 min Scan# 917  
Delta R.T. 0.01 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

| Tot Ion | 41    | Resp  | 2682  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 41      | 100   |       |       |
| 39      | 51.5  | 45.4  | 68.2  |
| 67      | 80.8  | 65.8  | 98.6  |
| 52      | 36.4  | 27.8  | 41.8  |

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

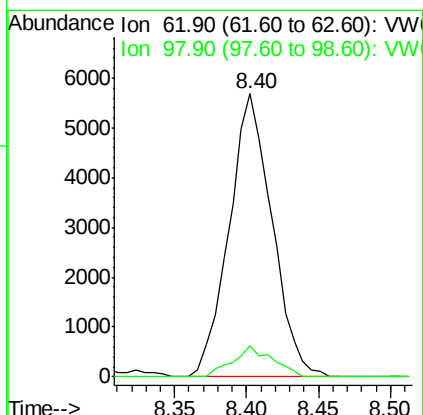
Manual Integrations  
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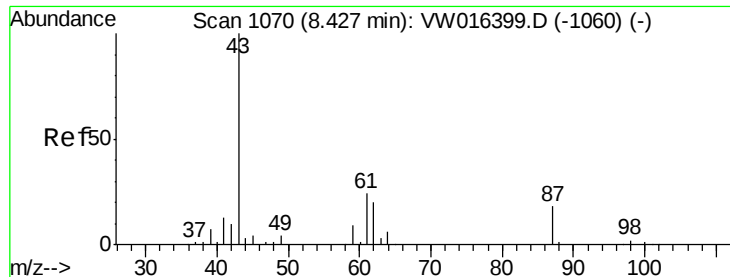
MMDadoda  
8/31/2020 11:59:24 AM



#42  
1,2-Dichloroethane  
Concen: 5.382 ug/l  
RT: 8.40 min Scan# 1066  
Delta R.T. -0.00 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

| Tgt Ion | 62    | Resp  | 11781 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 62      | 100   |       |       |
| 98      | 10.2  | 0.0   | 19.8  |





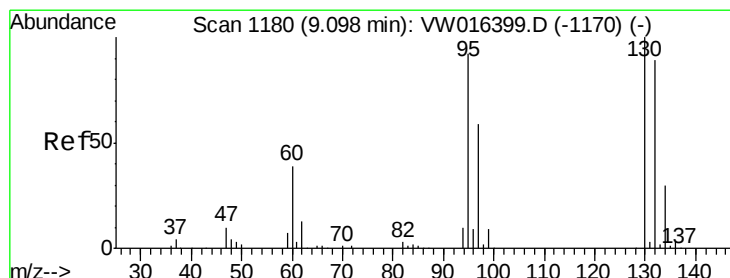
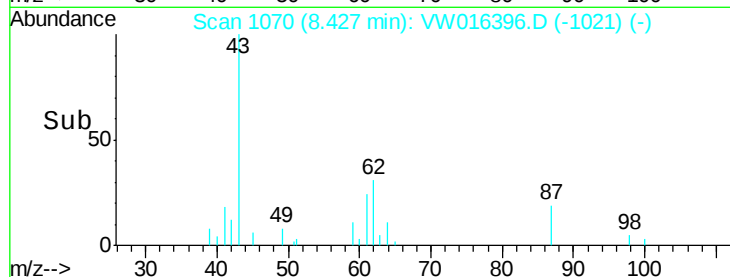
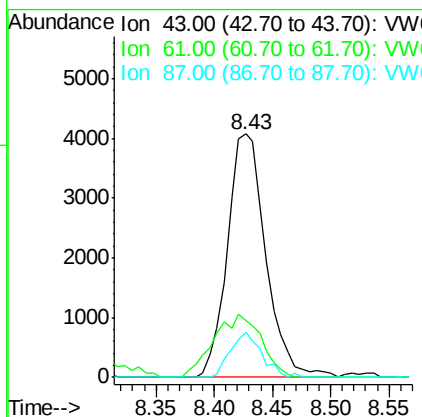
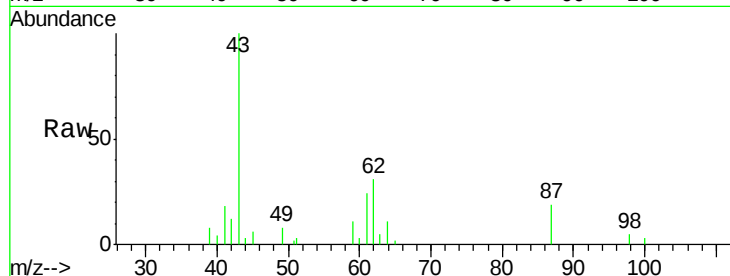
#43  
Isopropyl Acetate  
Concen: 5.006 ug/l  
RT: 8.43 min Scan# 1070  
Delta R.T. -0.00 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 32.2  | 27.5  | 41.3  |
| 87      | 15.2  | 13.5  | 20.3  |

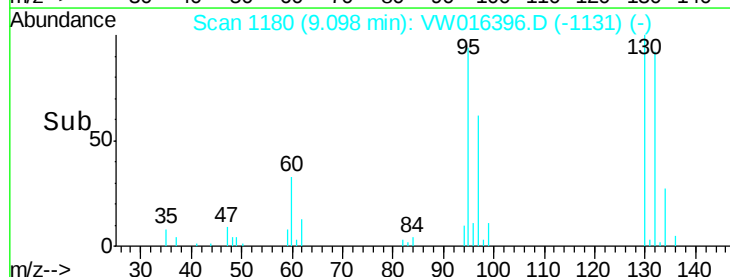
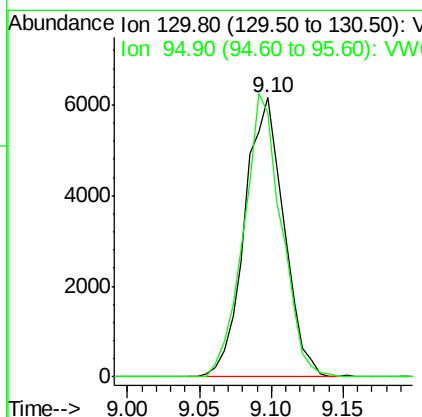
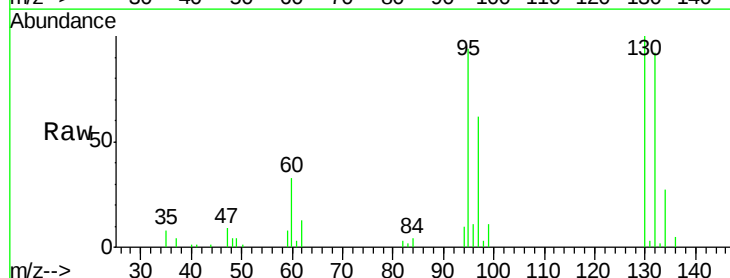
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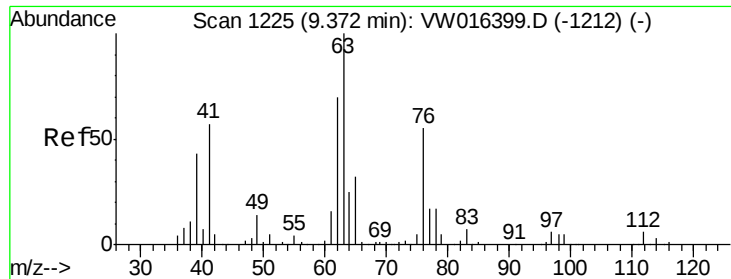
MMDadoda  
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#44  
Trichloroethene  
Concen: 4.981 ug/l  
RT: 9.10 min Scan# 1180  
Delta R.T. -0.00 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 94.5  | 0.0   | 183.4 |





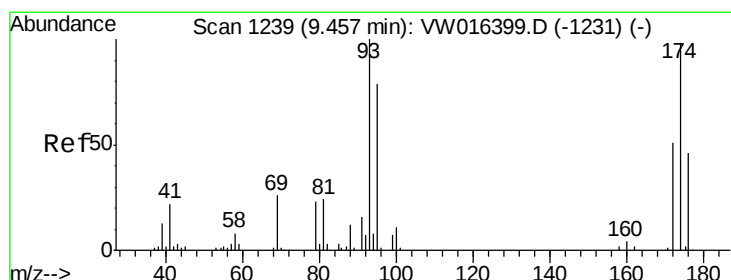
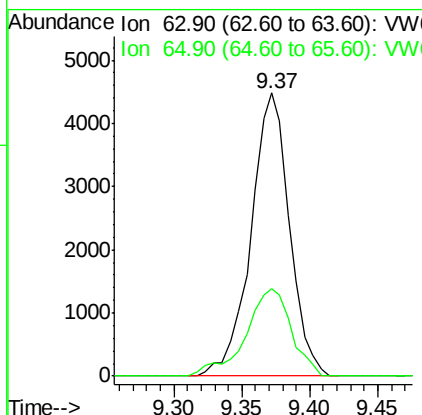
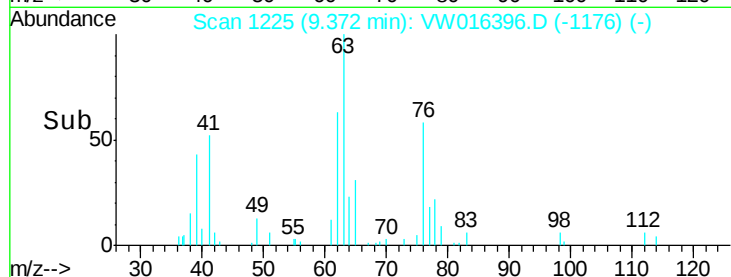
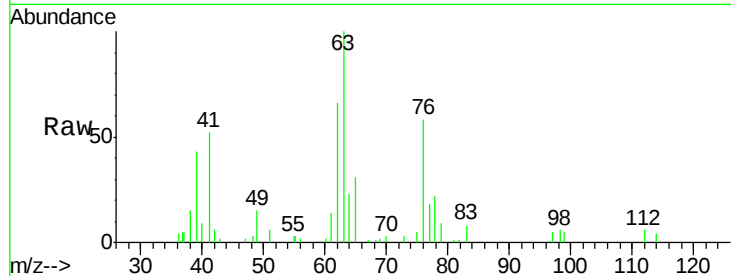
#45  
 1,2-Dichloropropane  
 Concen: 4.680 ug/l  
 RT: 9.37 min Scan# 1225  
 Delta R.T. -0.00 min  
 Lab File: VW016396.D  
 Acq: 28 Aug 2020 12:33

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

Tot Ion: 63 Resp: 8913  
 Ion Ratio Lower Upper  
 63 100  
 65 30.8 25.4 38.0

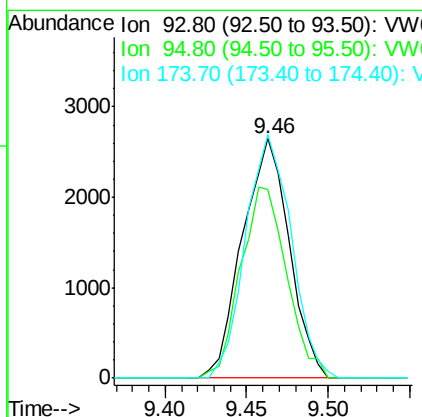
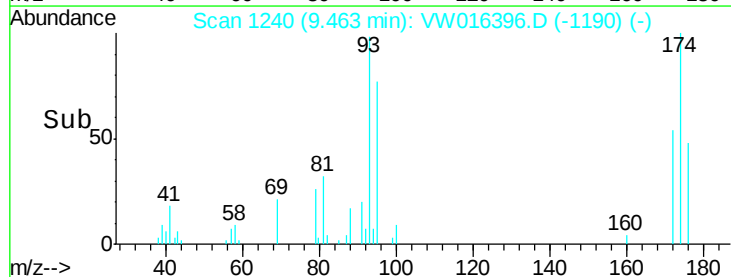
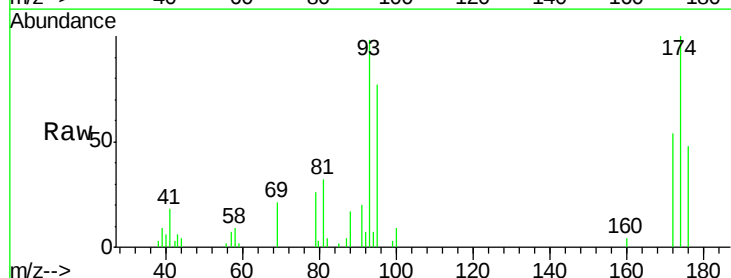
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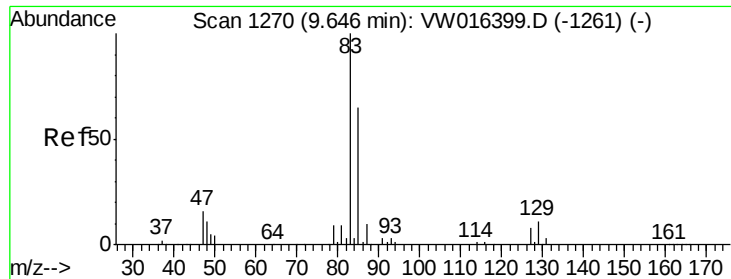
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#46  
 Dibromomethane  
 Concen: 5.181 ug/l  
 RT: 9.46 min Scan# 1240  
 Delta R.T. 0.01 min  
 Lab File: VW016396.D  
 Acq: 28 Aug 2020 12:33

Tgt Ion: 93 Resp: 5269  
 Ion Ratio Lower Upper  
 93 100  
 95 78.5 65.3 97.9  
 174 99.1 80.1 120.1





#47

Bromodichloromethane

Concen: 5.070 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW016396.D

Acq: 28 Aug 2020 12:33

Instrument :

MSVOA\_W

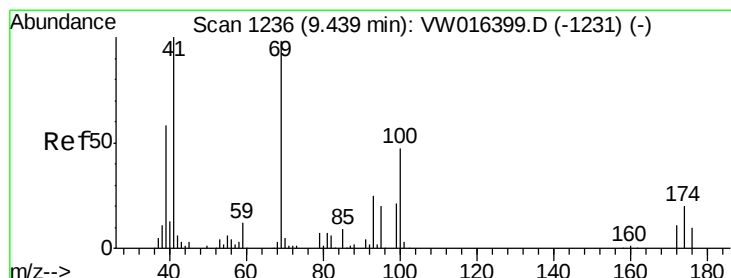
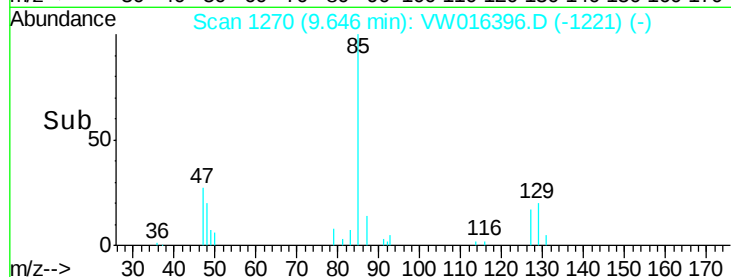
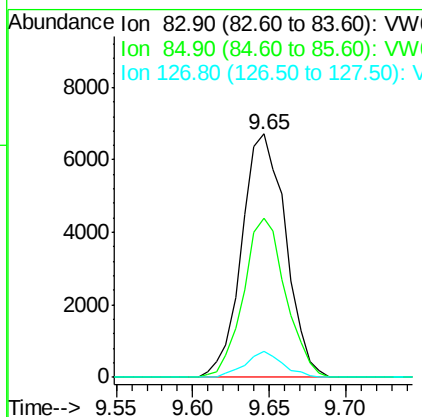
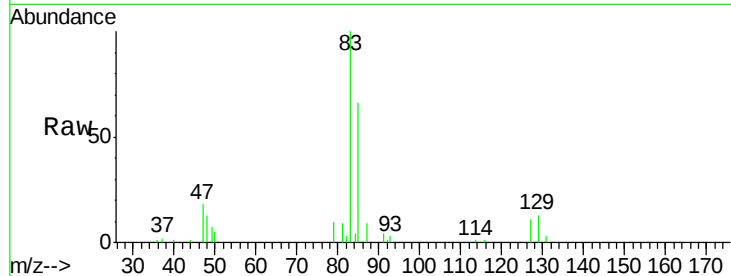
ClientSampled :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 13390 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 65.6  | 52.2  | 78.2  |
| 127       | 10.9  | 6.8   | 10.2# |

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#48

Methyl methacrylate

Concen: 5.411 ug/l

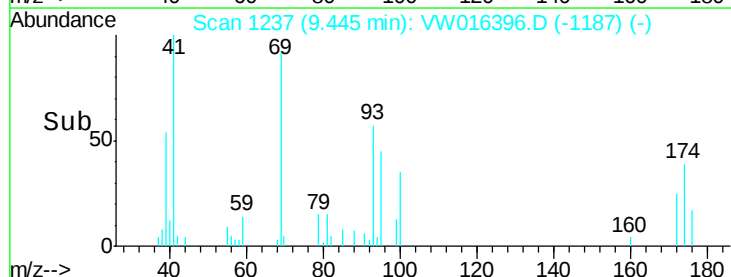
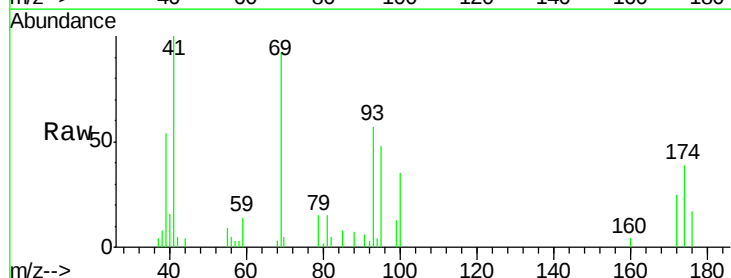
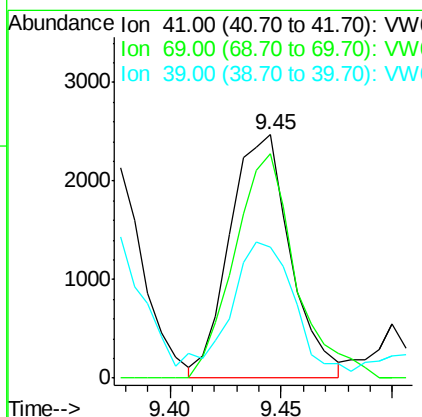
RT: 9.45 min Scan# 1237

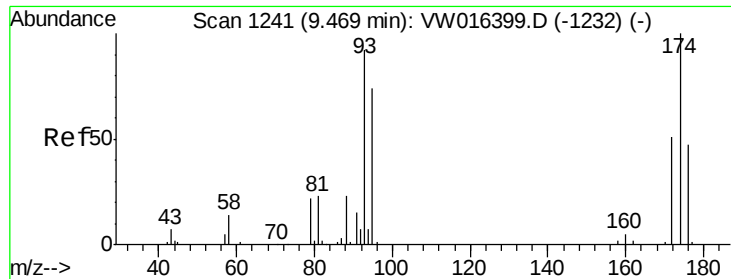
Delta R.T. 0.01 min

Lab File: VW016396.D

Acq: 28 Aug 2020 12:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 4685  |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 93.3  | 83.5  | 125.3 |
| 39        | 57.5  | 48.7  | 73.1  |





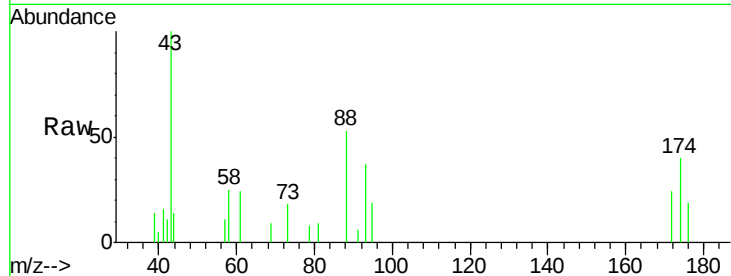
#49  
1,4-Dioxane  
Concen: 112.758 ug/l  
RT: 9.49 min Scan# 1244  
Delta R.T. 0.02 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

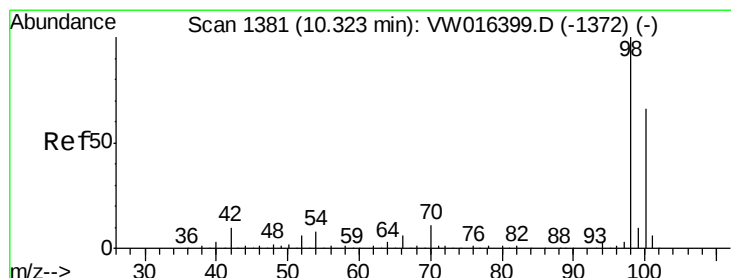
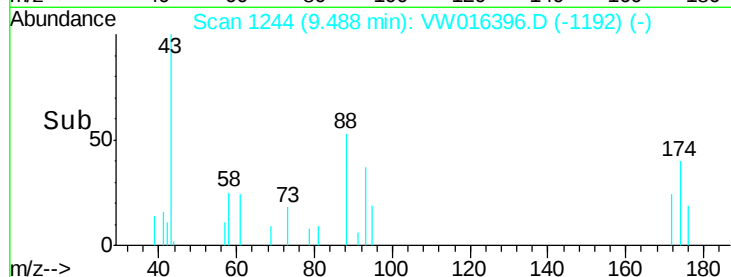
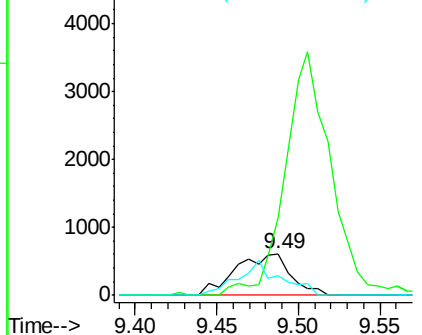
| Tot Ion   | 88    | Resp  | 1437 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 88        | 100   |       |      |
| 43        | 0.0   | 0.0   | 0.0  |
| 58        | 64.6  | 53.5  | 80.3 |

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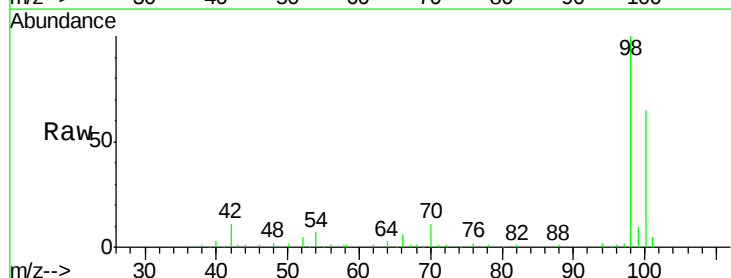


Abundance Ion 88.00 (87.70 to 88.70): VW  
Ion 43.00 (42.70 to 43.70): VW  
Ion 58.00 (57.70 to 58.70): VW

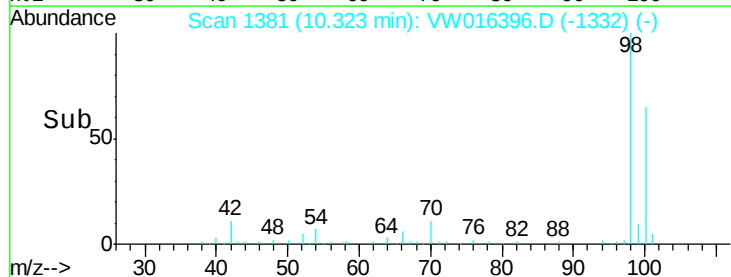
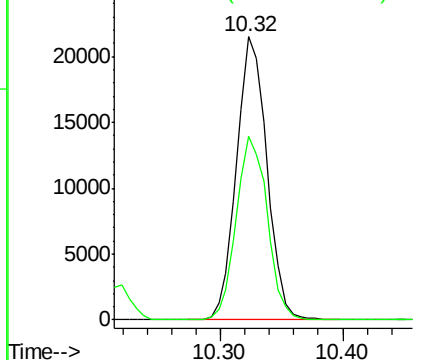


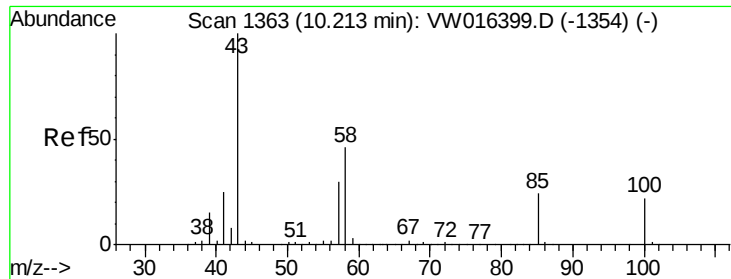
#50  
Toluene-d8  
Concen: 5.308 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

| Tgt Ion   | 98    | Resp  | 37020 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 98        | 100   |       |       |
| 100       | 66.1  | 52.6  | 78.8  |



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: 24.874 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016396.D

Acq: 28 Aug 2020 12:33

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 23333

Ion Ratio Lower Upper

43 100

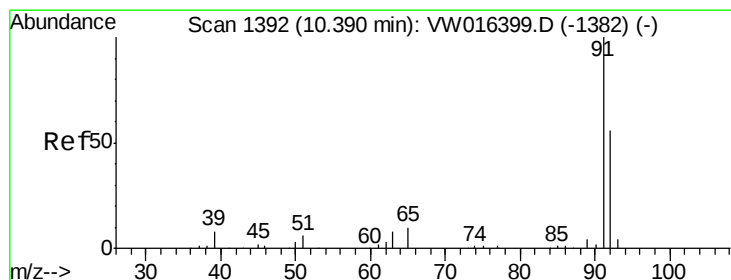
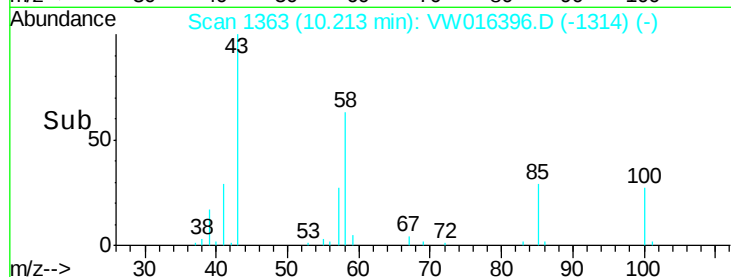
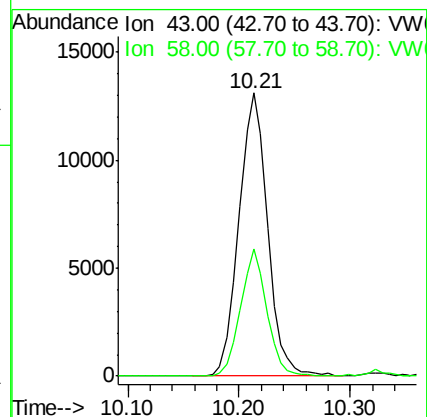
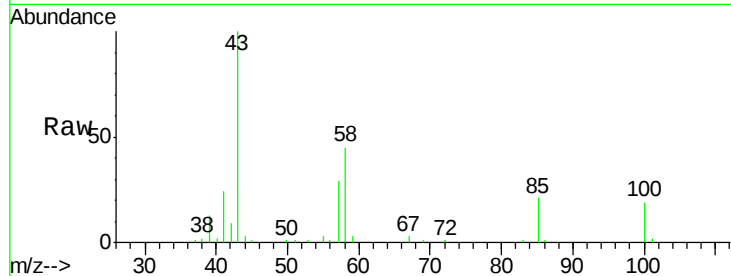
58 41.1 35.4 53.0

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#52

Toluene

Concen: 4.830 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016396.D

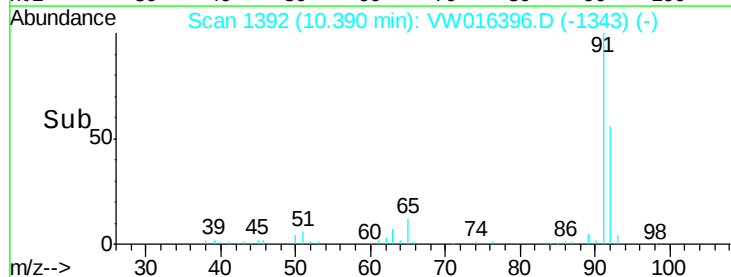
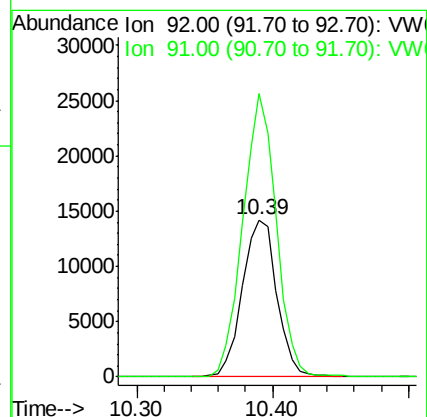
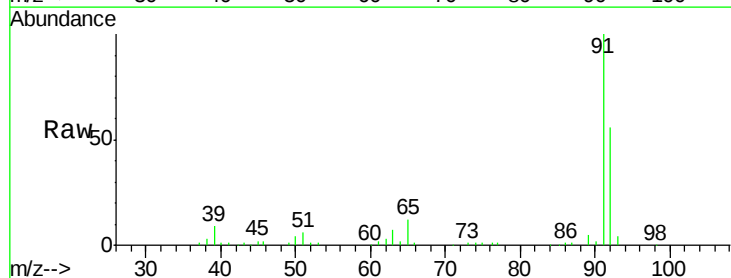
Acq: 28 Aug 2020 12:33

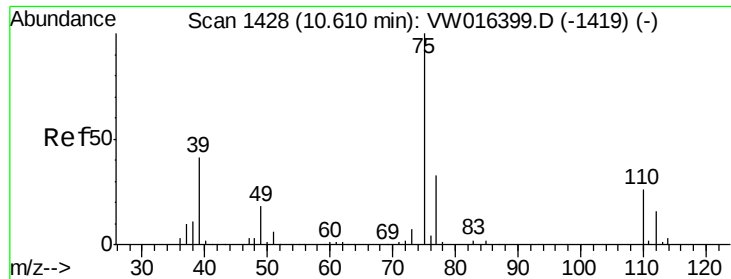
Tgt Ion: 92 Resp: 25204

Ion Ratio Lower Upper

92 100

91 173.8 137.1 205.7





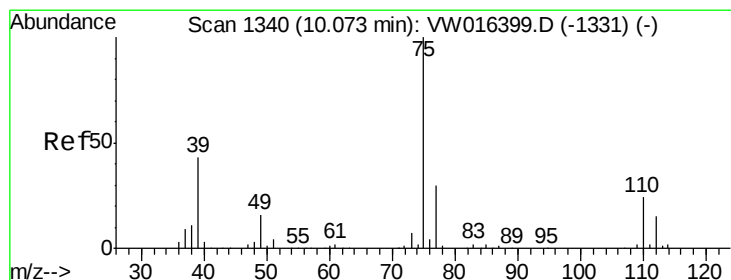
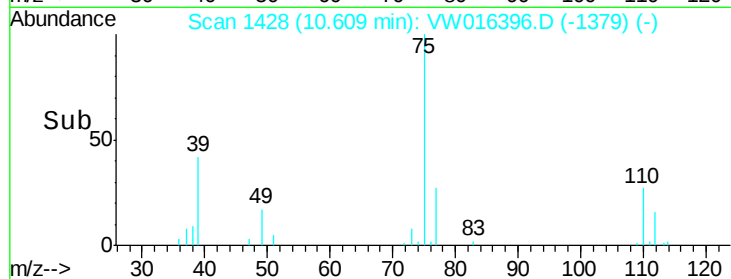
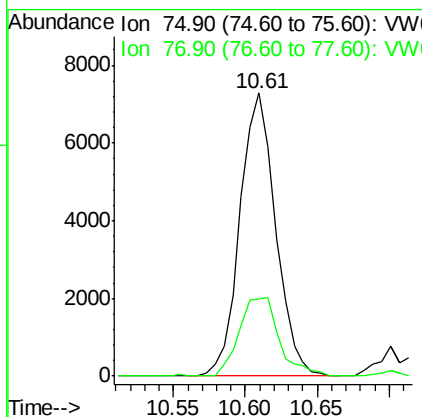
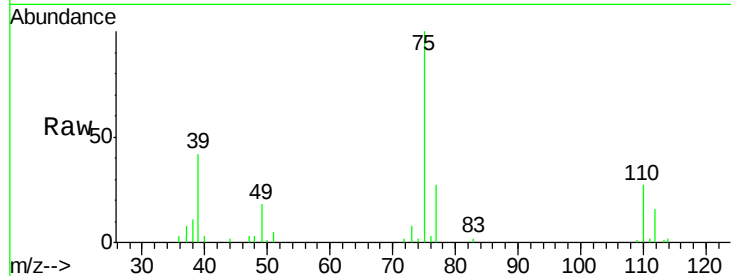
#53  
 t-1,3-Dichloropropene  
 Concen: 5.101 ug/l  
 RT: 10.61 min Scan# 1428  
 Delta R.T. -0.00 min  
 Lab File: VW016396.D  
 Acq: 28 Aug 2020 12:33

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

Tot Ion: 75 Resp: 12514  
 Ion Ratio Lower Upper  
 75 100  
 77 27.2 26.1 39.1

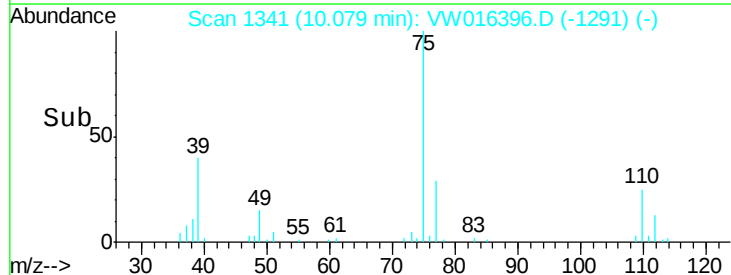
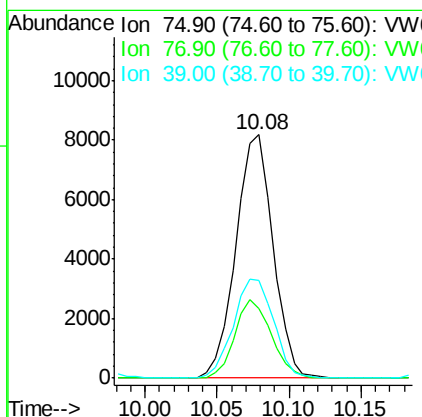
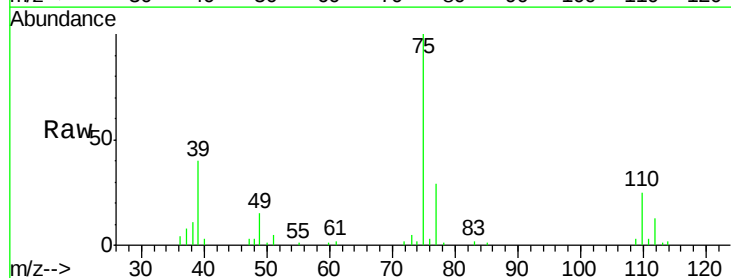
Manual Integrations  
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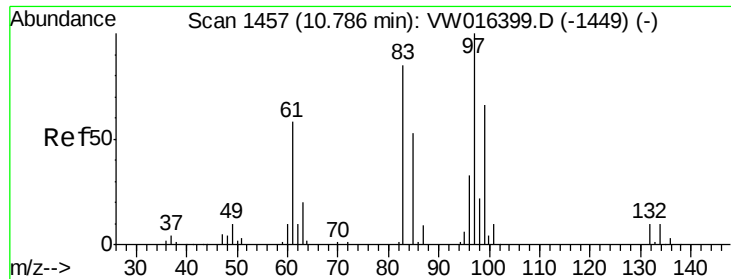
MMDadoda  
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#54  
 cis-1,3-Dichloropropene  
 Concen: 4.866 ug/l  
 RT: 10.08 min Scan# 1341  
 Delta R.T. 0.01 min  
 Lab File: VW016396.D  
 Acq: 28 Aug 2020 12:33

Tgt Ion: 75 Resp: 14665  
 Ion Ratio Lower Upper  
 75 100  
 77 28.8 24.4 36.6  
 39 40.1 34.6 51.8





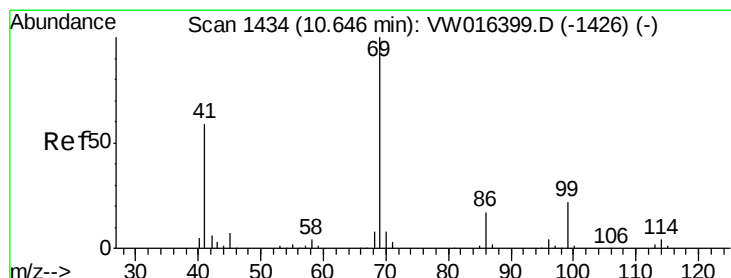
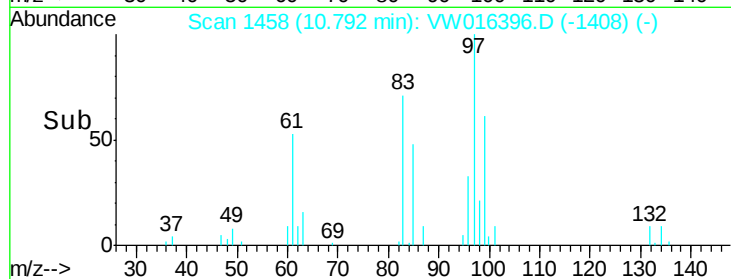
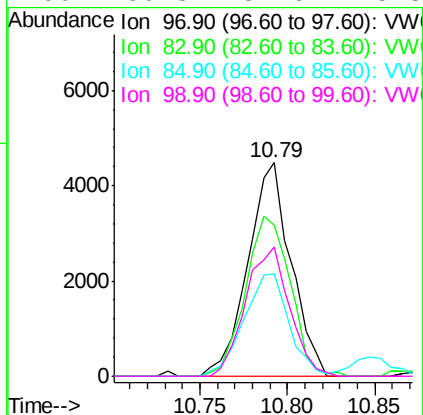
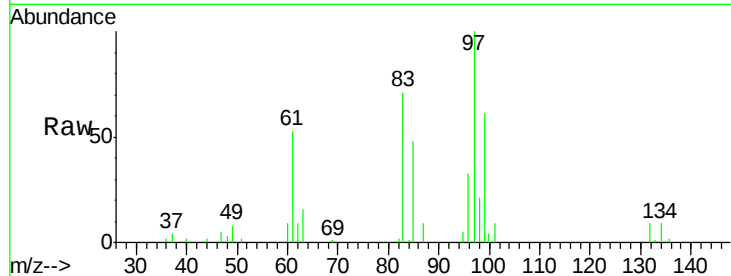
#55  
1,1,2-Trichloroethane  
Concen: 5.254 ug/l  
RT: 10.79 min Scan# 1458  
Delta R.T. 0.01 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 7680  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 70.7  | 68.0  | 102.0 |
| 85       | 48.1  | 42.2  | 63.2  |
| 99       | 60.8  | 52.6  | 78.8  |

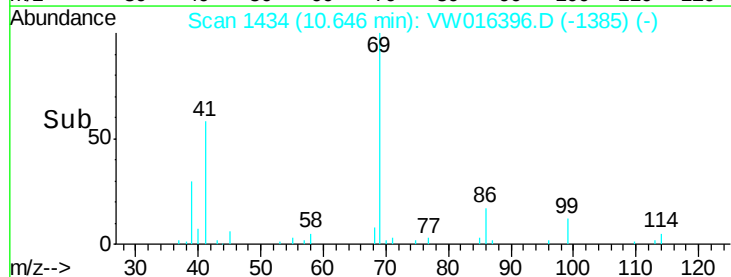
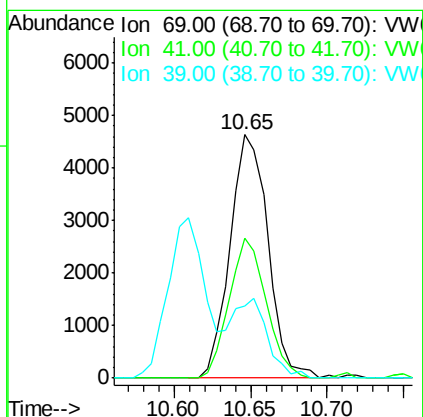
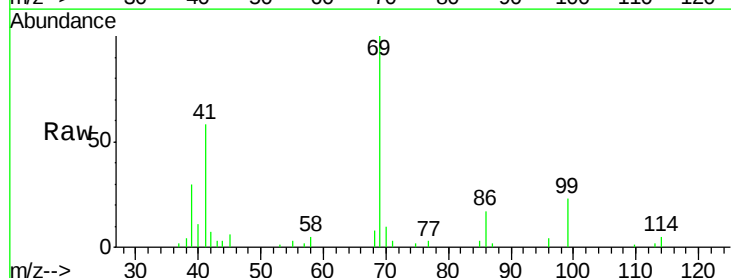
Manual Integrations  
APPROVED

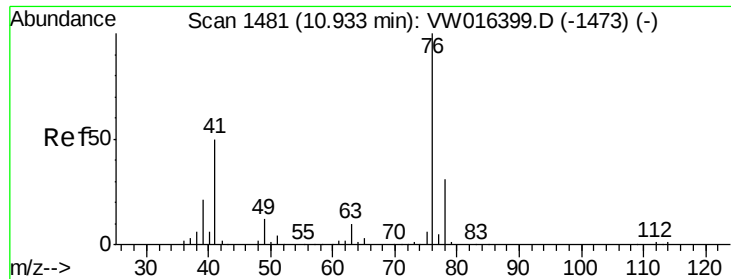
MMDadoda  
8/31/2020 11:59:24 AM



#56  
Ethyl methacrylate  
Concen: 4.822 ug/l  
RT: 10.65 min Scan# 1434  
Delta R.T. -0.00 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 7973  |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 56.3  | 46.5  | 69.7  |
| 39       | 28.4  | 26.2  | 39.2  |





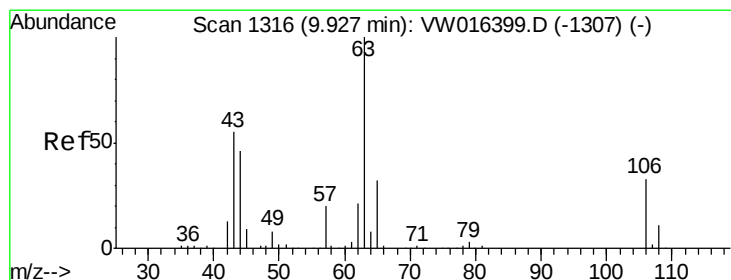
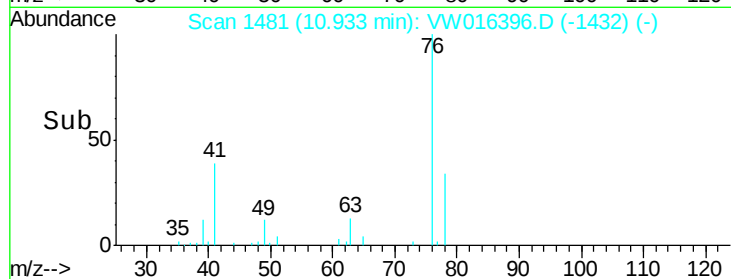
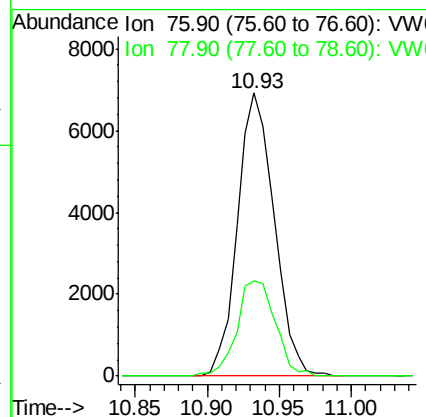
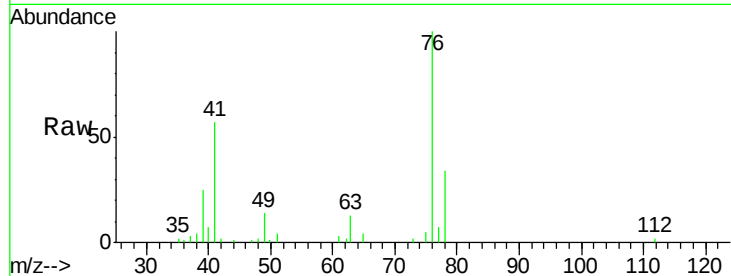
#57  
 1,3-Dichloropropane  
 Concen: 4.969 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. -0.00 min  
 Lab File: VW016396.D  
 Acq: 28 Aug 2020 12:33

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 35.3  | 26.1  | 39.1  |

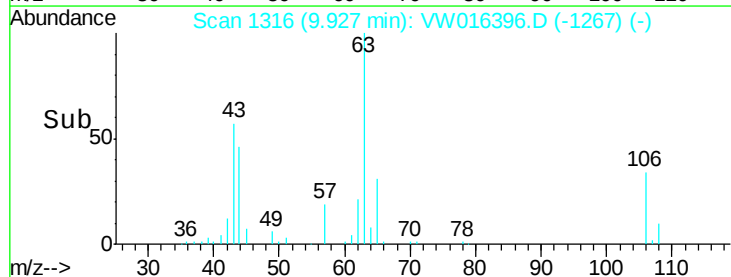
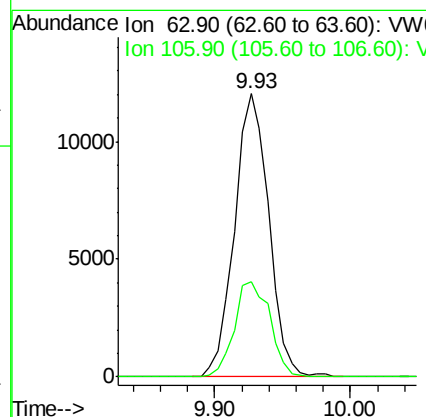
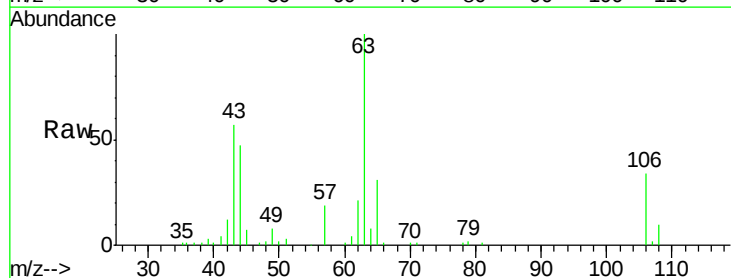
Manual Integrations  
 APPROVED

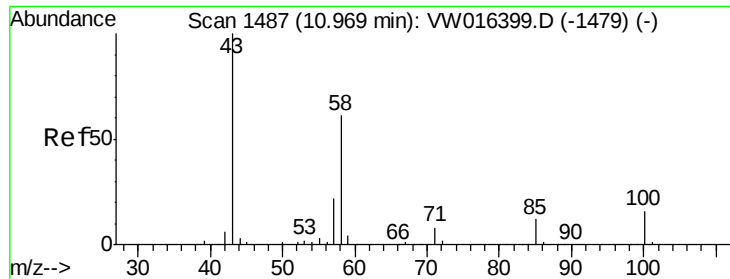
MMDadoda  
 8/31/2020 11:59:24 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 27.969 ug/l  
 RT: 9.93 min Scan# 1316  
 Delta R.T. -0.00 min  
 Lab File: VW016396.D  
 Acq: 28 Aug 2020 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 34.9  | 26.6  | 40.0  |





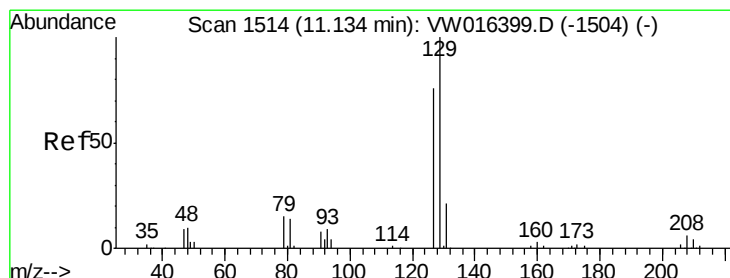
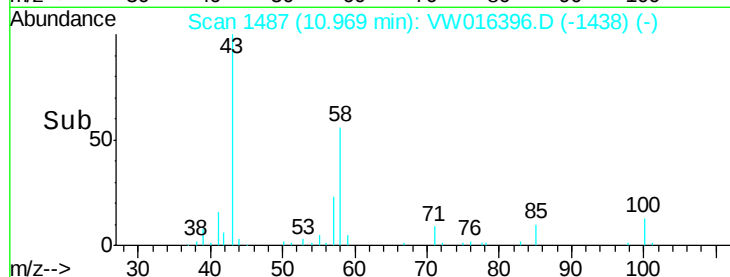
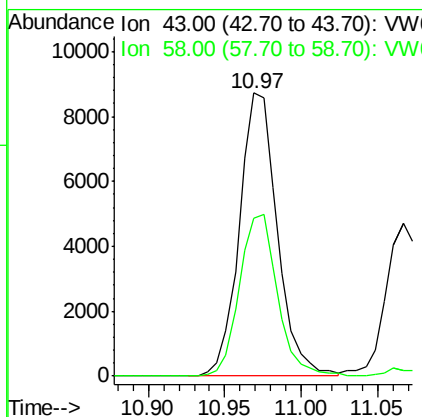
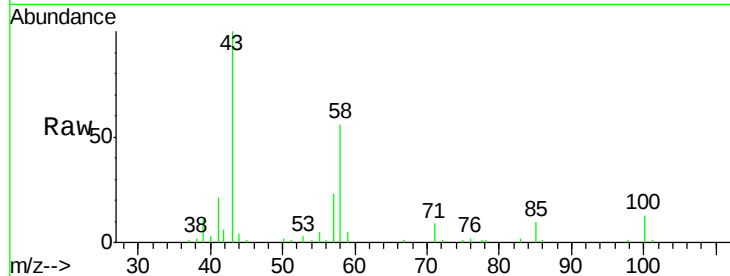
#59  
2-Hexanone  
Concen: 23.518 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

Tot Ion: 43 Resp: 15036  
Ion Ratio Lower Upper  
43 100  
58 57.2 29.7 89.1

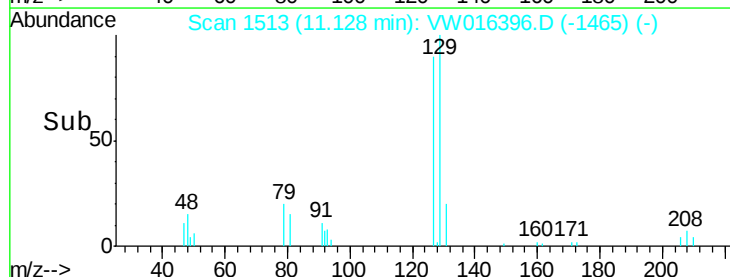
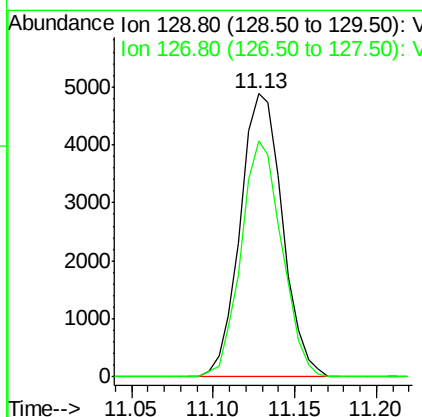
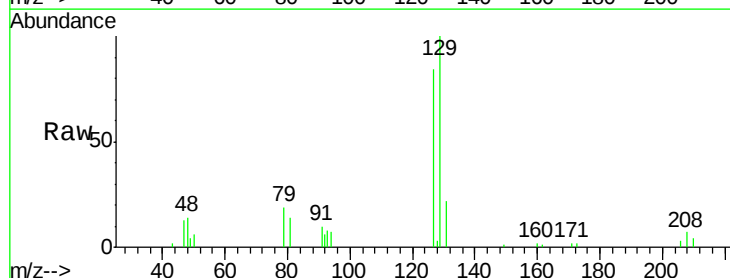
Manual Integrations  
APPROVED

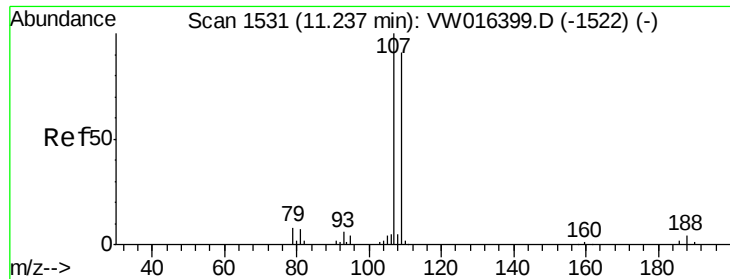
MMDadoda  
8/31/2020 11:59:24 AM



#60  
Dibromochloromethane  
Concen: 5.011 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. -0.01 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

Tgt Ion: 129 Resp: 8819  
Ion Ratio Lower Upper  
129 100  
127 80.2 38.6 115.7





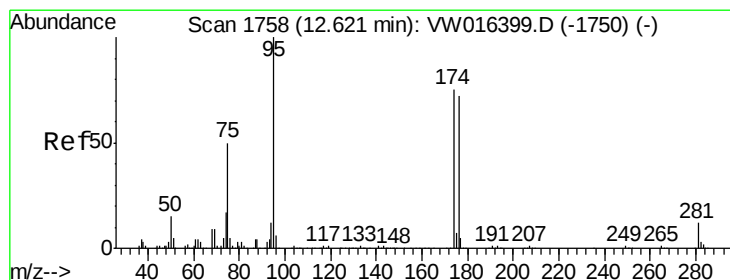
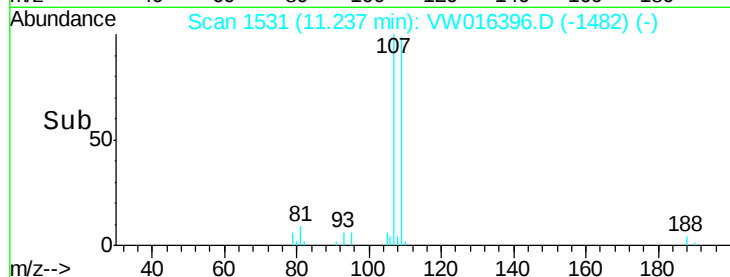
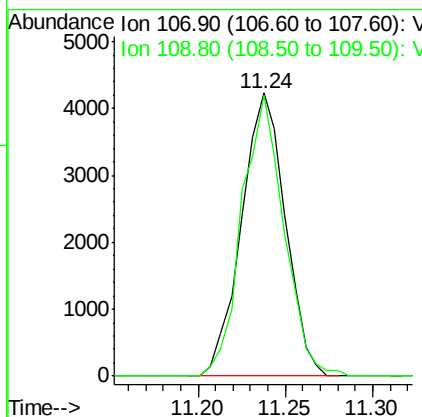
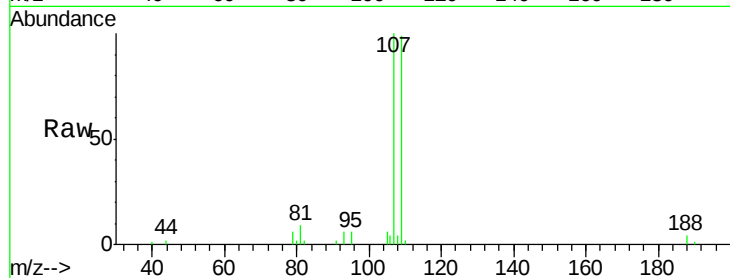
#61  
 1,2-Dibromoethane  
 Concen: 5.238 ug/l  
 RT: 11.24 min Scan# 1531  
 Delta R.T. -0.00 min  
 Lab File: VW016396.D  
 Acq: 28 Aug 2020 12:33

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 95.5  | 74.5  | 111.7 |

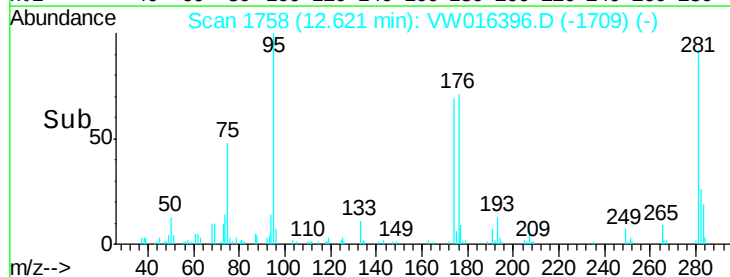
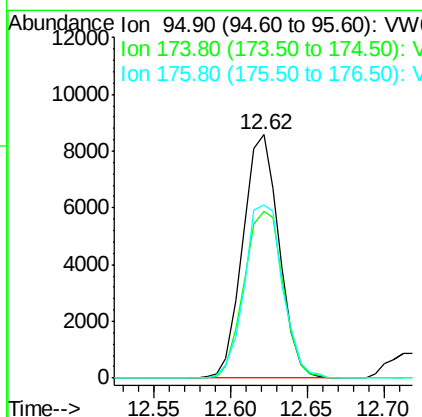
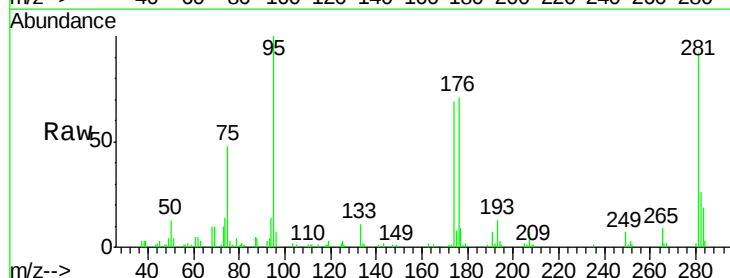
Manual Integrations  
 APPROVED

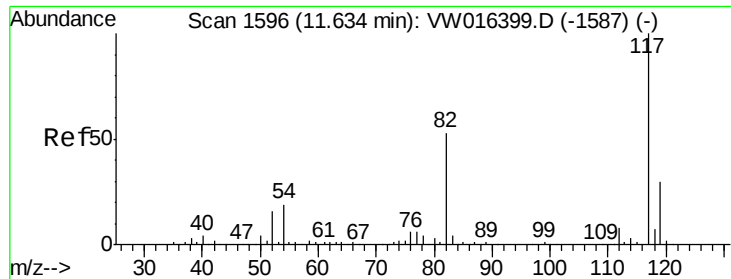
MMDadoda  
 8/31/2020 11:59:24 AM



#62  
 4-Bromofluorobenzene  
 Concen: 5.634 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. -0.00 min  
 Lab File: VW016396.D  
 Acq: 28 Aug 2020 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 73.9  | 0.0   | 152.0 |
| 176     | 75.6  | 0.0   | 145.6 |





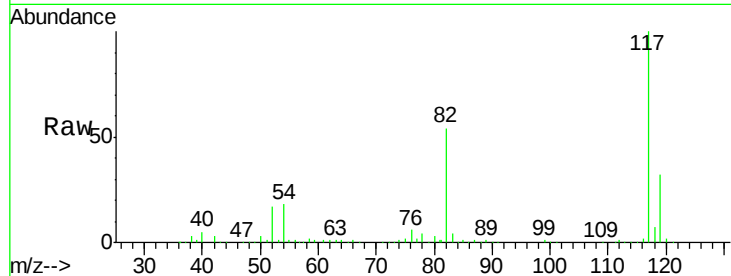
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.5  | 42.2  | 63.4  |
| 119     | 32.1  | 24.2  | 36.4  |

Manual Integrations  
APPROVED

MMDadoda  
8/31/2020 11:59:24 AM

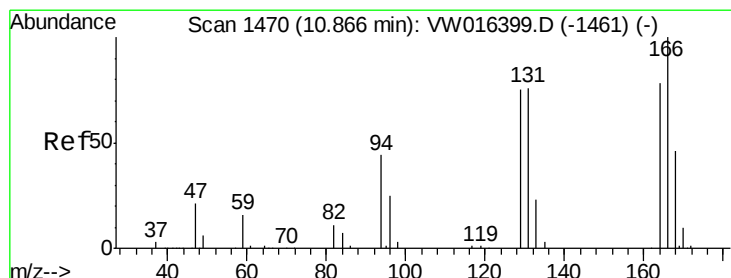
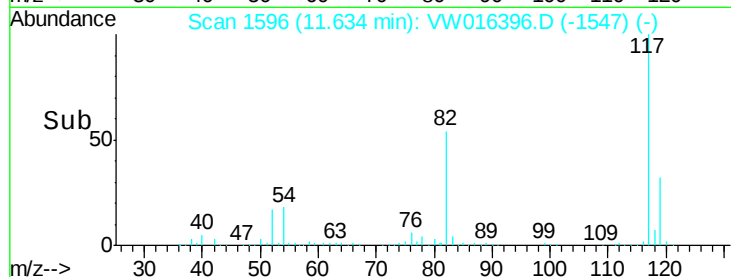
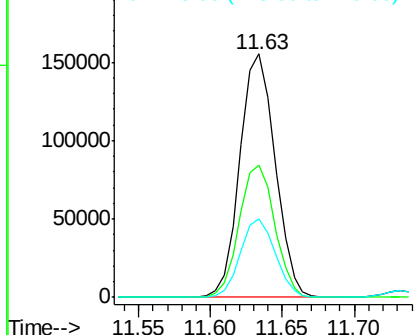


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64  
Tetrachloroethene  
Concen: 5.425 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. -0.01 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 112.9 | 103.1 | 154.7 |
| 129     | 100.3 | 77.3  | 115.9 |
| 131     | 97.0  | 78.2  | 117.2 |

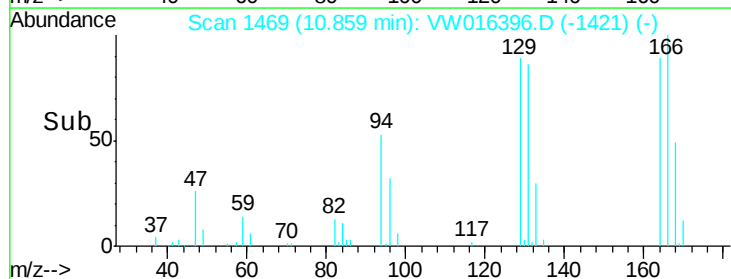
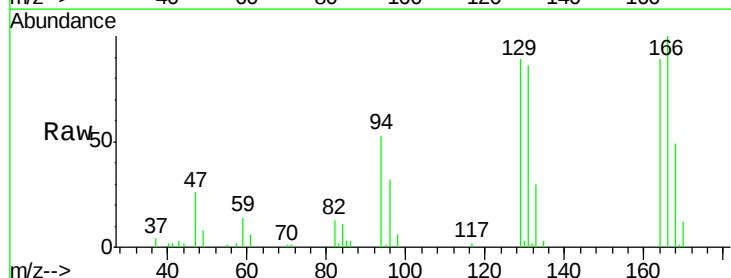
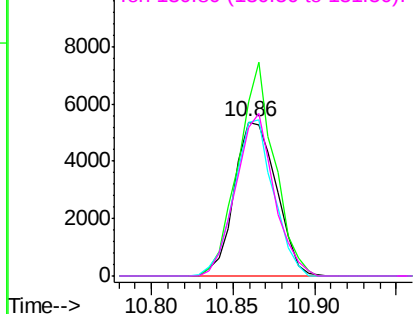
Abundance

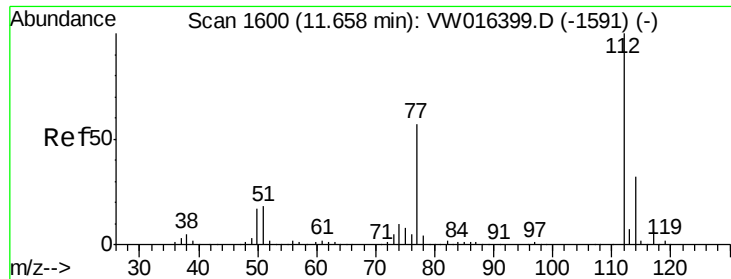
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





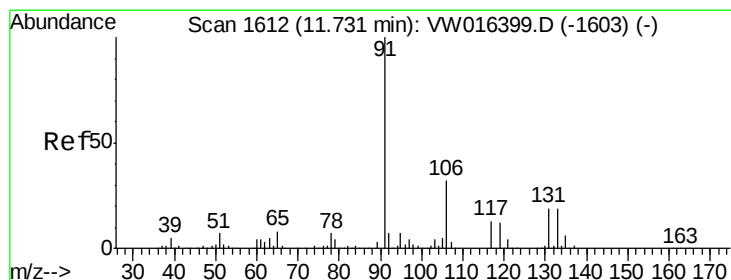
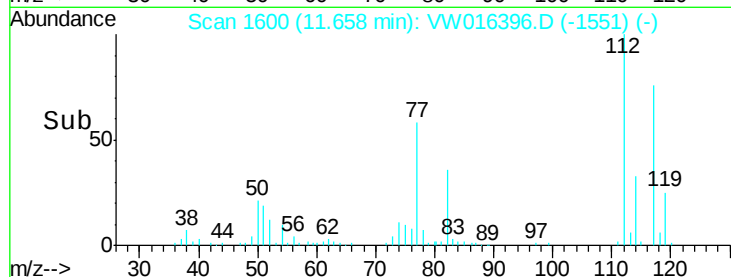
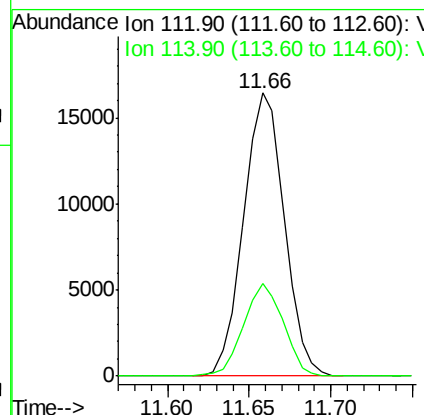
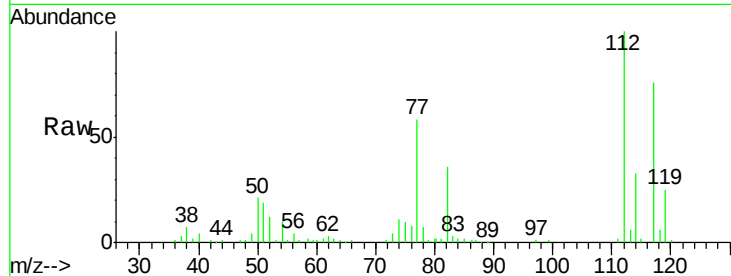
#65  
Chlorobenzene  
Concen: 5.220 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC005

Tot Ion:112 Resp: 28616  
Ion Ratio Lower Upper  
112 100  
114 32.7 25.4 38.2

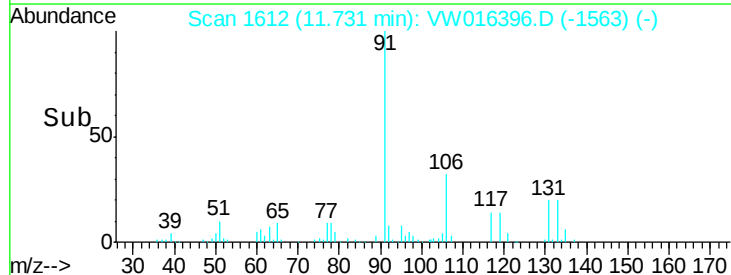
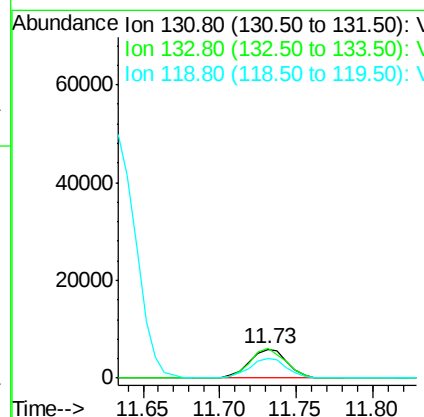
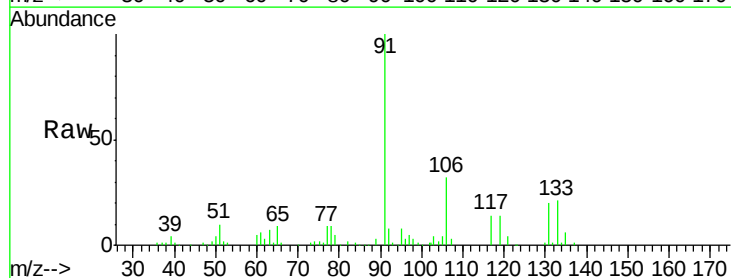
Manual Integrations  
APPROVED

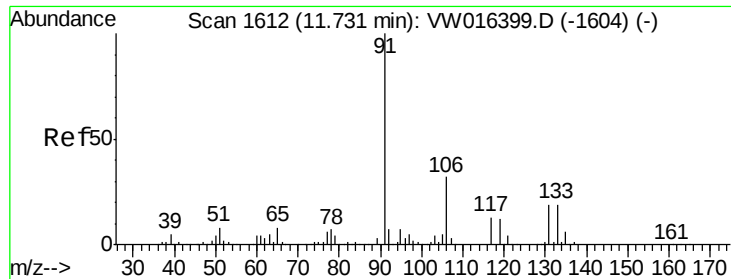
MMDadoda  
8/31/2020 11:59:24 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 5.292 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

Tgt Ion:131 Resp: 10222  
Ion Ratio Lower Upper  
131 100  
133 97.9 46.9 140.6  
119 66.2 31.6 95.0





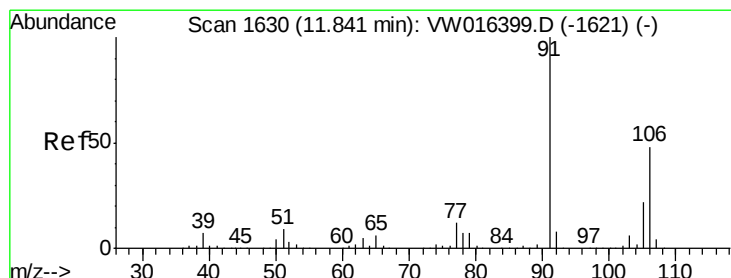
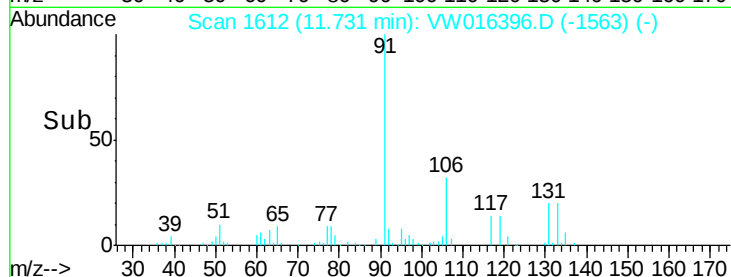
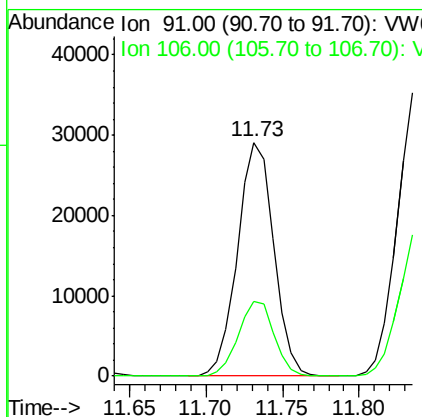
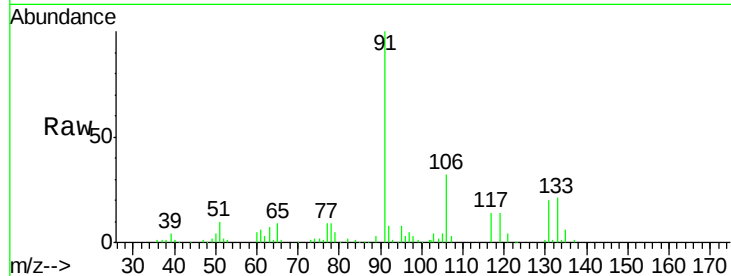
#67  
Ethyl Benzene  
Concen: 4.874 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

Tot Ion: 91 Resp: 47802  
Ion Ratio Lower Upper  
91 100  
106 31.7 25.3 37.9

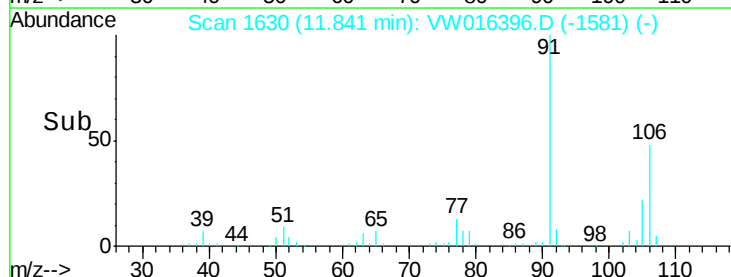
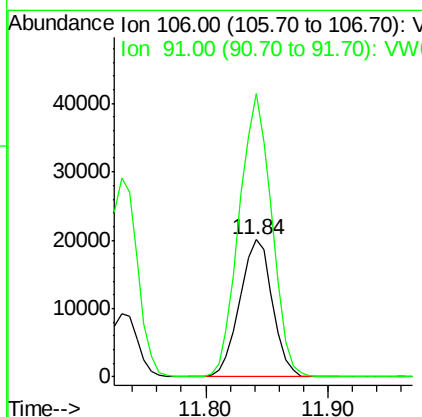
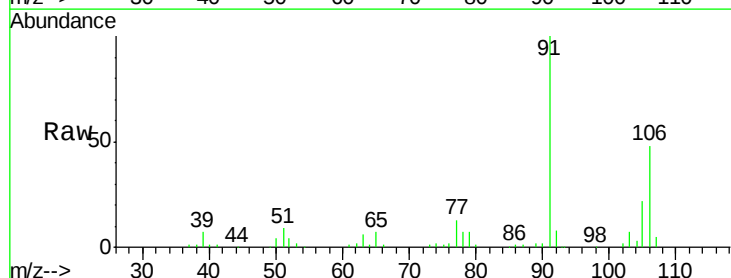
Manual Integrations  
APPROVED

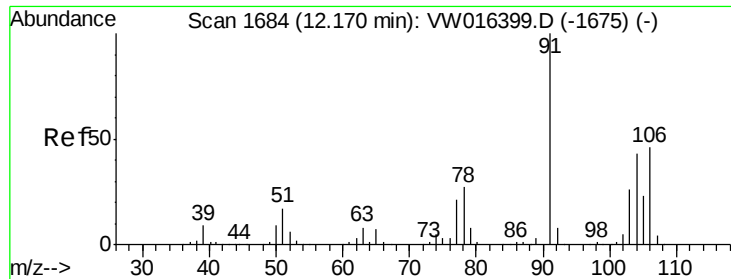
MMDadoda  
8/31/2020 11:59:24 AM



#68  
m/p-Xylenes  
Concen: 9.898 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

Tgt Ion: 106 Resp: 37293  
Ion Ratio Lower Upper  
106 100  
91 205.3 167.7 251.5





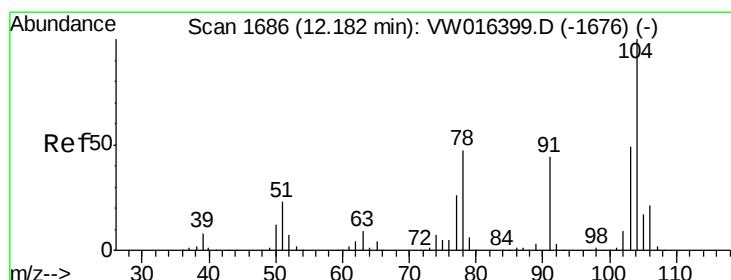
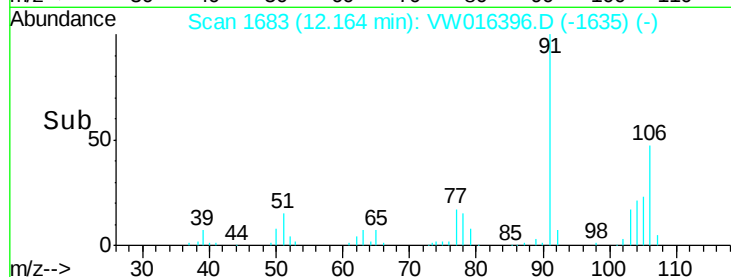
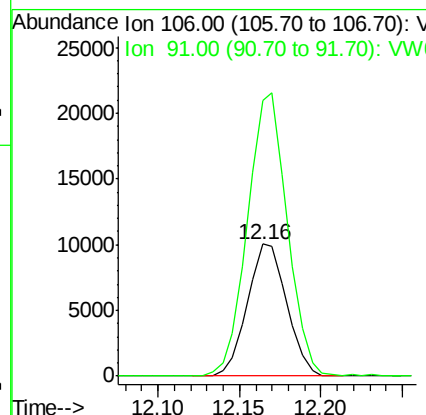
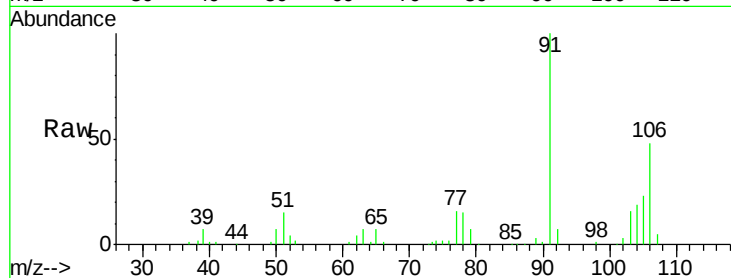
#69  
o-Xylene  
Concen: 5.038 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.01 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

Tot Ion:106 Resp: 16915  
Ion Ratio Lower Upper  
106 100  
91 215.9 111.7 334.9

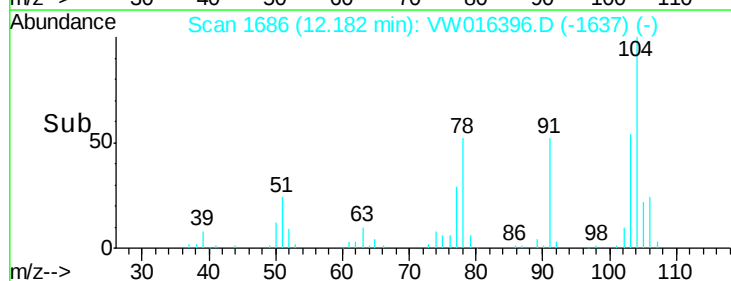
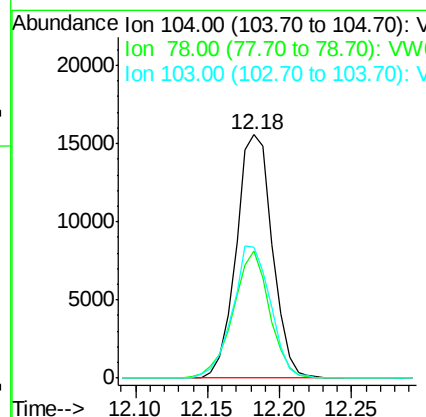
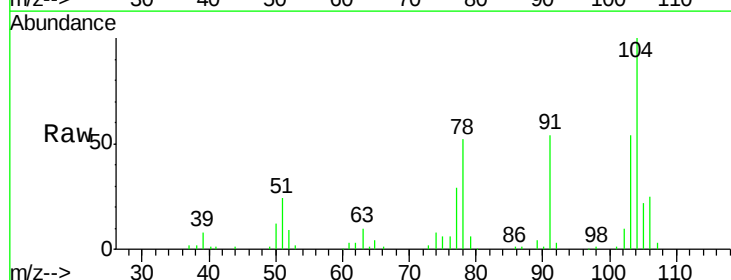
Manual Integrations  
APPROVED

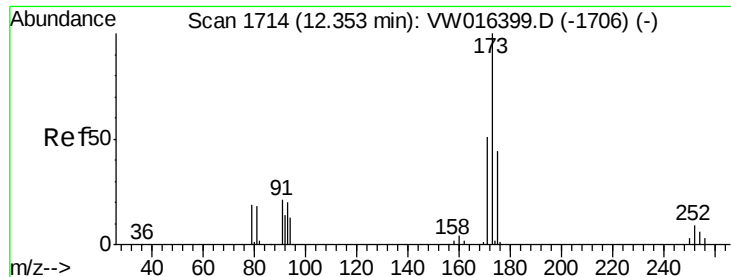
MMDadoda  
8/31/2020 11:59:24 AM



#70  
Styrene  
Concen: 4.664 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. -0.00 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

Tgt Ion:104 Resp: 27113  
Ion Ratio Lower Upper  
104 100  
78 53.0 41.7 62.5  
103 57.3 42.9 64.3





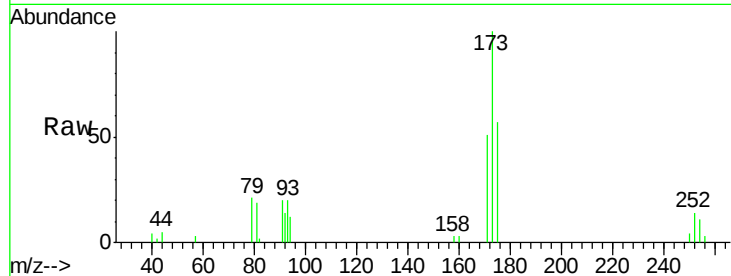
#71  
Bromoform  
Concen: 5.812 ug/l  
RT: 12.35 min Scan# 1714  
Delta R.T. -0.00 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

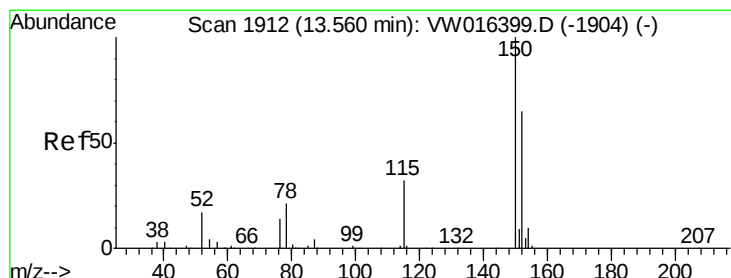
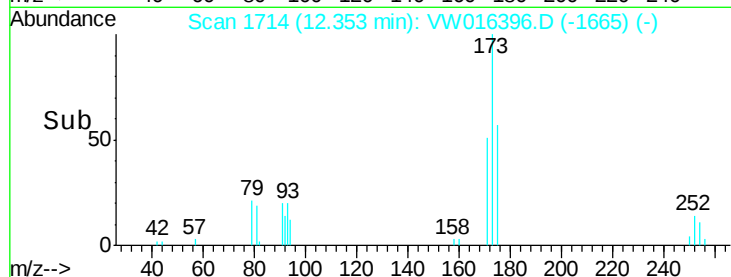
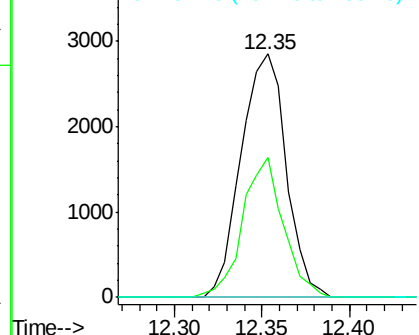
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 52.0  | 23.5  | 70.6  |
| 254     | 0.0   | 0.0   | 0.0   |

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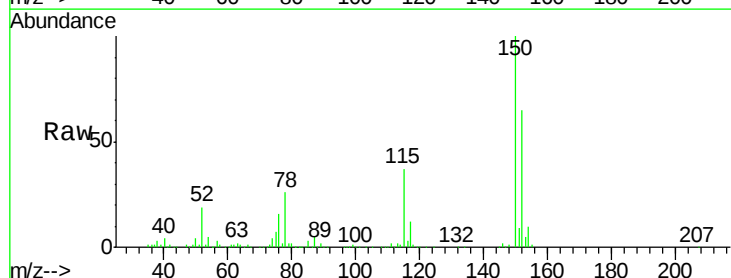


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

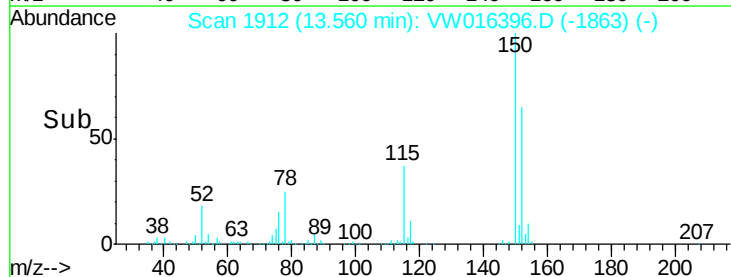
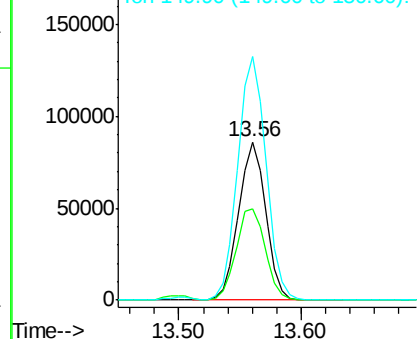


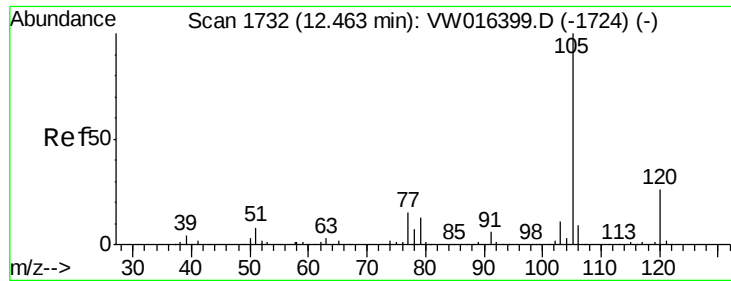
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 61.5  | 30.9  | 92.5  |
| 150     | 159.8 | 0.0   | 351.0 |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.567 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW016396.D

Acq: 28 Aug 2020 12:33

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 45940

Ion Ratio Lower Upper

105 100

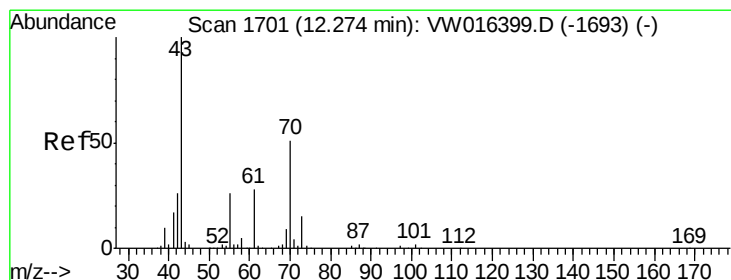
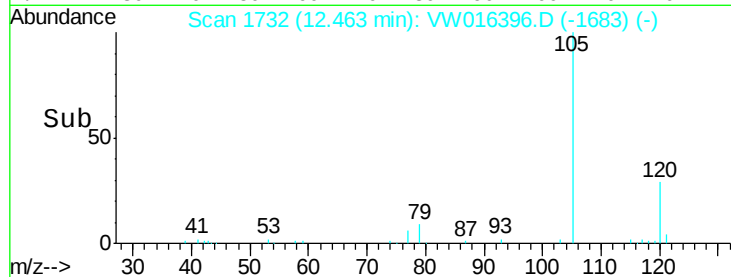
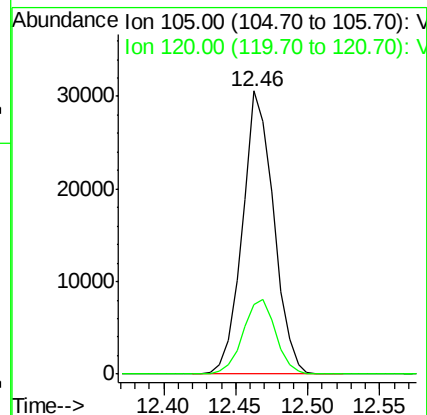
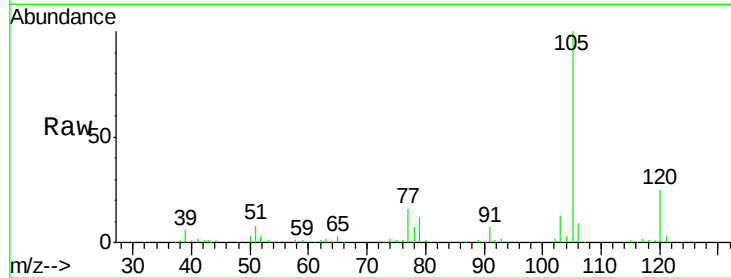
120 27.6 13.2 39.6

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#74

N-ethyl acetate

Concen: 4.517 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW016396.D

Acq: 28 Aug 2020 12:33

Tgt Ion: 43 Resp: 8025

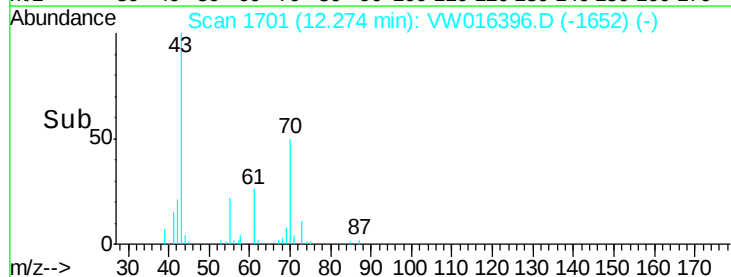
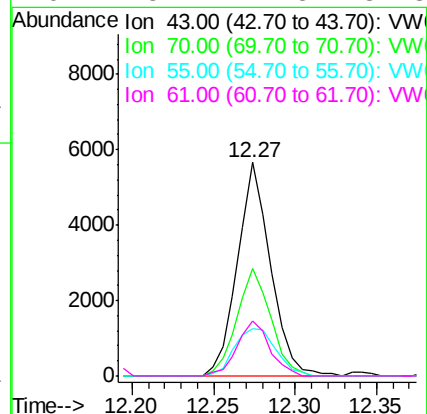
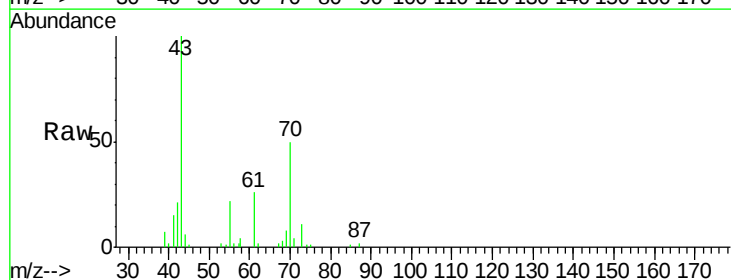
Ion Ratio Lower Upper

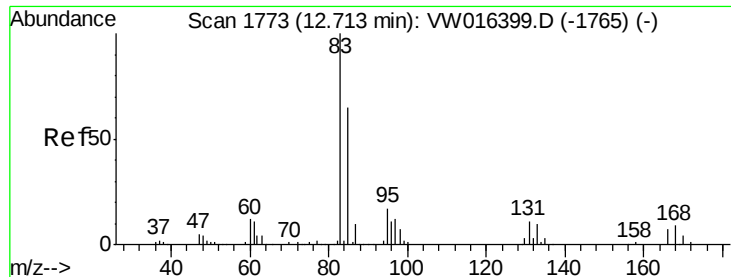
43 100

70 51.2 40.8 61.2

55 27.9 21.6 32.4

61 25.2 21.5 32.3





#75

1,1,2,2-Tetrachloroethane

Concen: 4.935 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW016396.D

Acq: 28 Aug 2020 12:33

Instrument :

MSVOA\_W

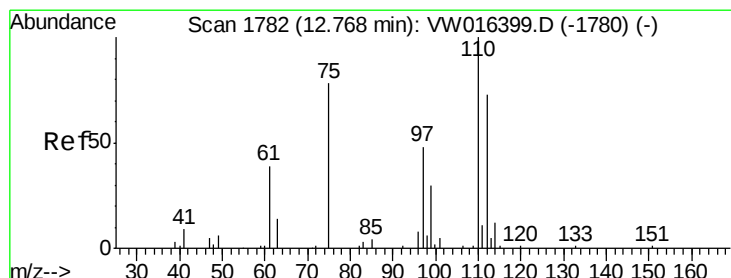
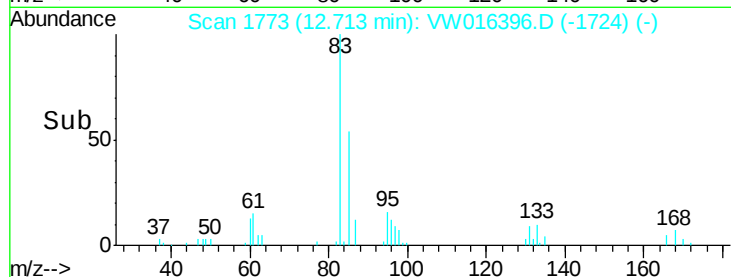
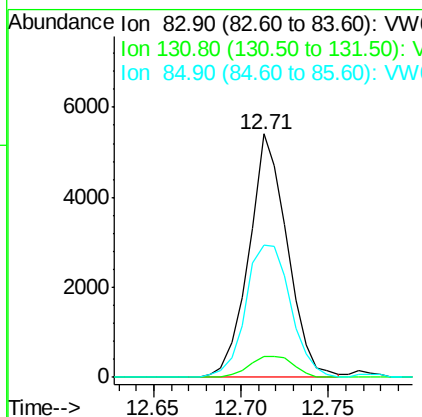
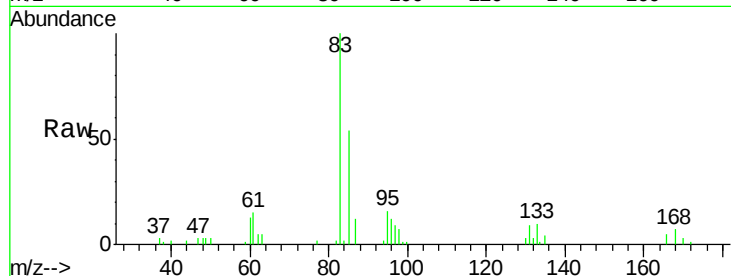
ClientSampleId :

VSTDIC005

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 83    | Resp: | 8223 |
| Ion Ratio | Lower | Upper |      |
| 83        | 100   |       |      |
| 131       | 10.1  | 5.9   | 17.8 |
| 85        | 63.9  | 32.3  | 96.8 |

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#76

1,2,3-Trichloropropane

Concen: 5.191 ug/l m

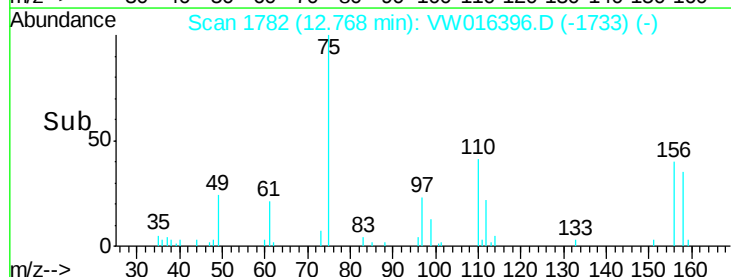
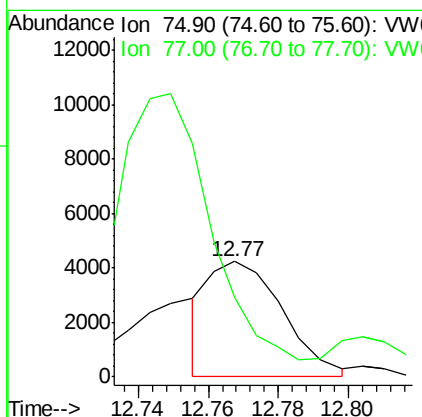
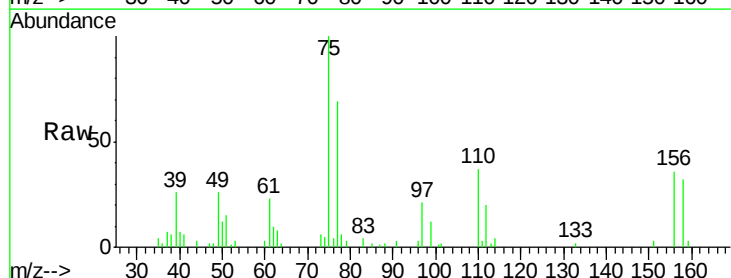
RT: 12.77 min Scan# 1782

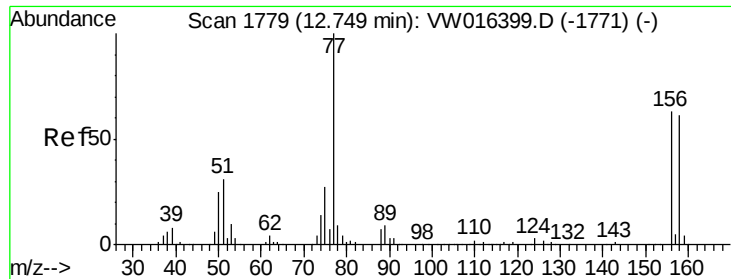
Delta R.T. -0.00 min

Lab File: VW016396.D

Acq: 28 Aug 2020 12:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 6257  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 323.2 | 173.4 | 520.2 |





#77

Bromobenzene

Concen: 5.238 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW016396.D

Acq: 28 Aug 2020 12:33

Instrument :

MSVOA\_W

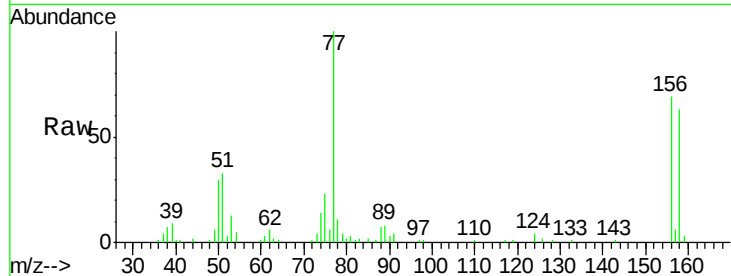
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 156   | Resp: | 11764 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 171.9 | 90.0  | 269.9 |
| 158       | 94.9  | 47.3  | 141.8 |

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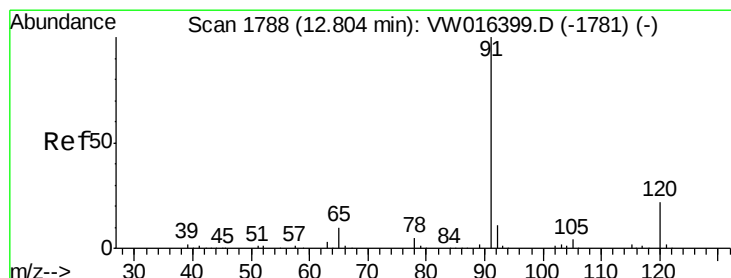
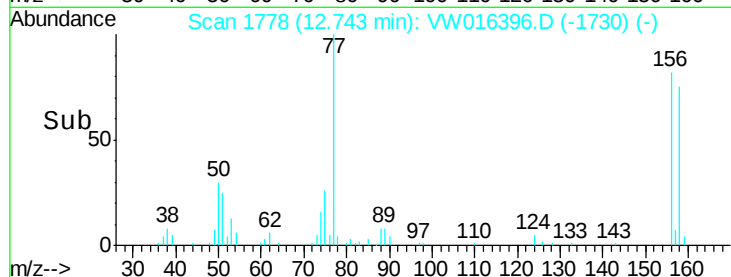
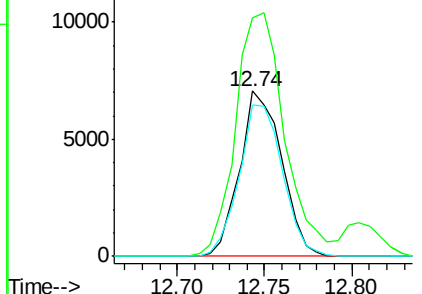
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.735 ug/l

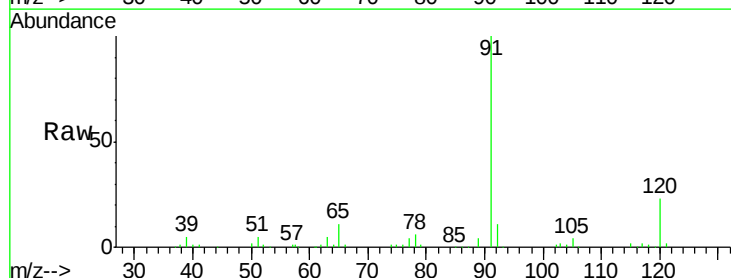
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW016396.D

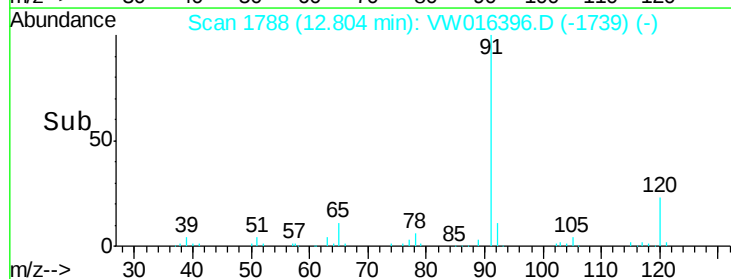
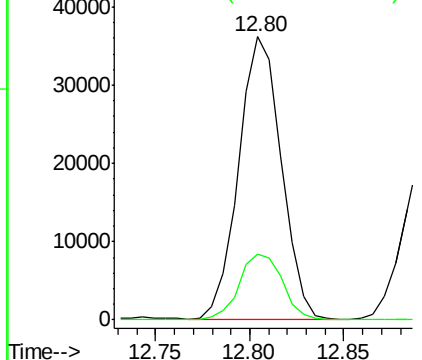
Acq: 28 Aug 2020 12:33

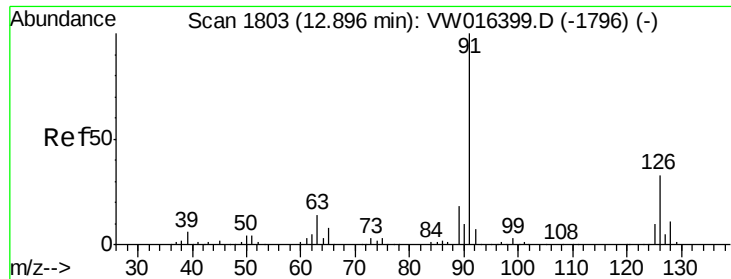
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 91    | Resp: | 56636 |
| Ion Ratio | Lower | Upper |       |
| 91        | 100   |       |       |
| 120       | 23.6  | 11.3  | 33.9  |



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.886 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW016396.D

Acq: 28 Aug 2020 12:33

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 33845

Ion Ratio Lower Upper

91 100

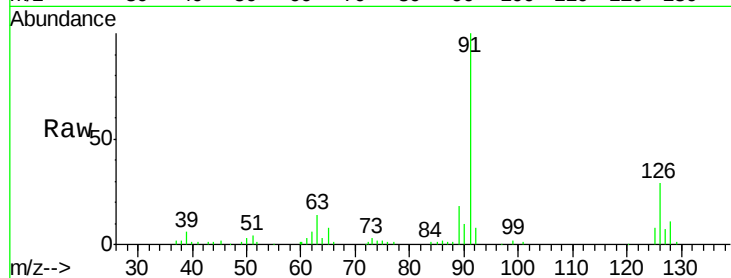
126 32.6 16.4 49.1

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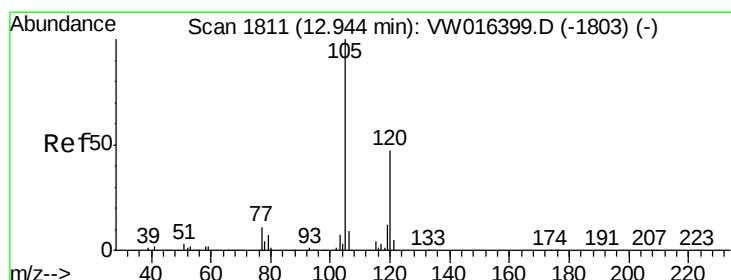
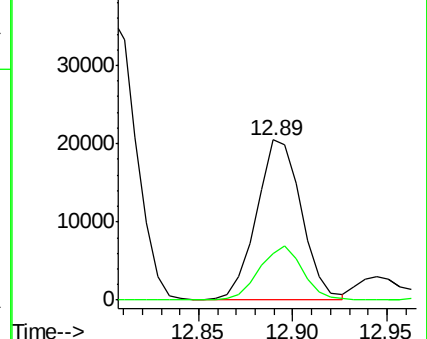
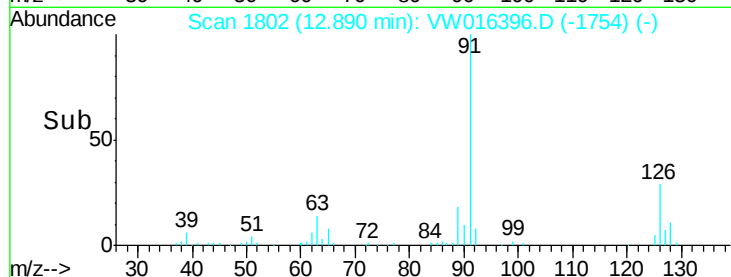
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 4.820 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW016396.D

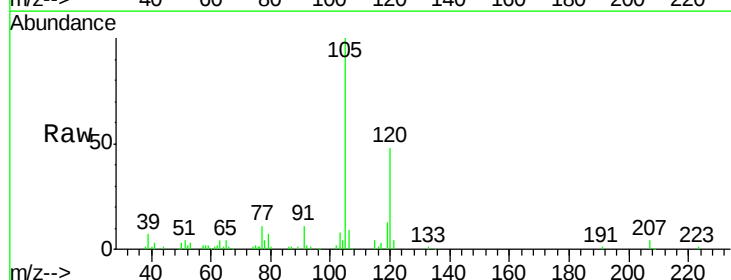
Acq: 28 Aug 2020 12:33

Tgt Ion: 105 Resp: 41800

Ion Ratio Lower Upper

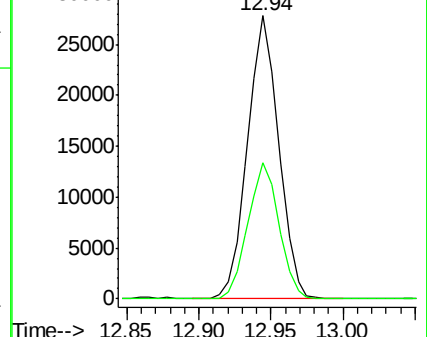
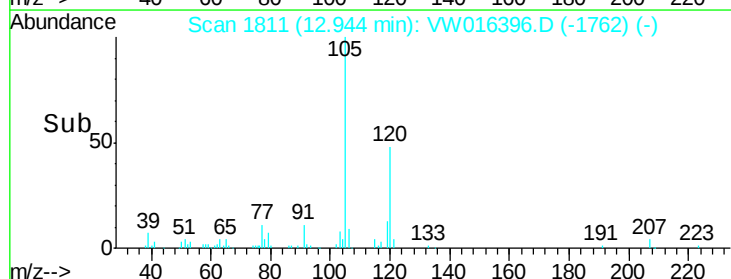
105 100

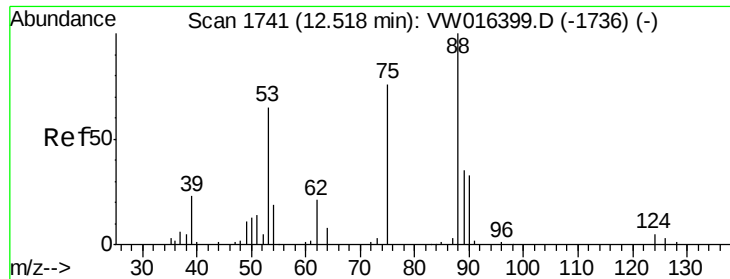
120 47.8 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





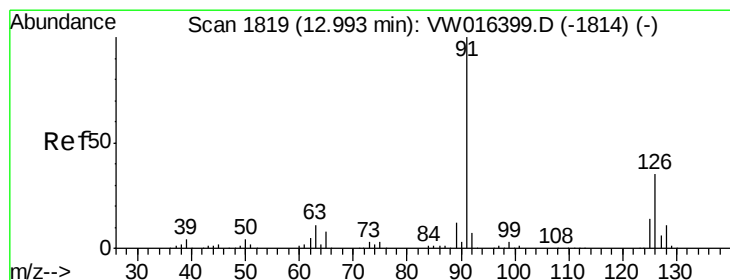
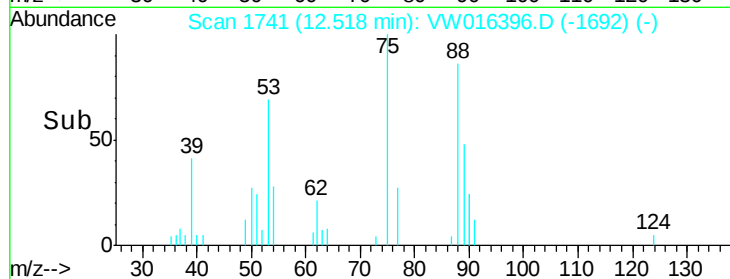
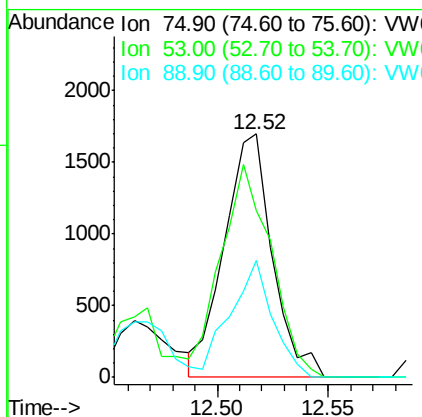
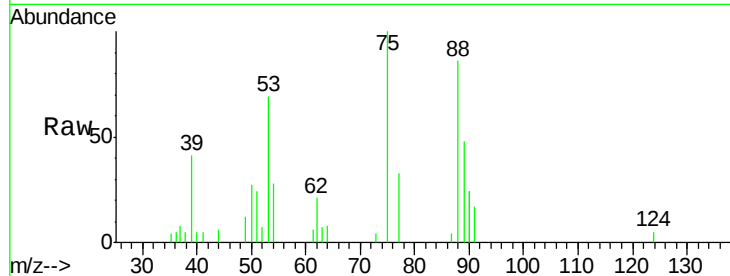
#81  
trans-1,4-Dichloro-2-butene  
Concen: 5.076 ug/l  
RT: 12.52 min Scan# 1741  
Delta R.T. -0.00 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 91.5  | 75.2  | 112.8 |
| 89      | 42.3  | 40.4  | 60.6  |

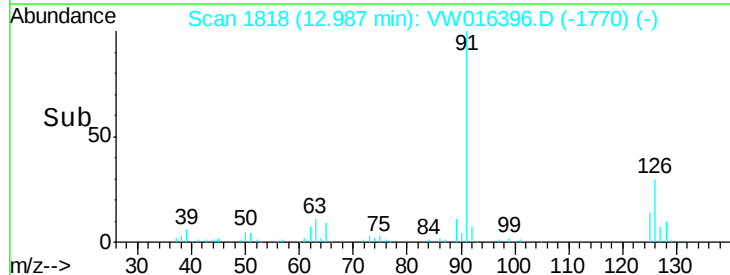
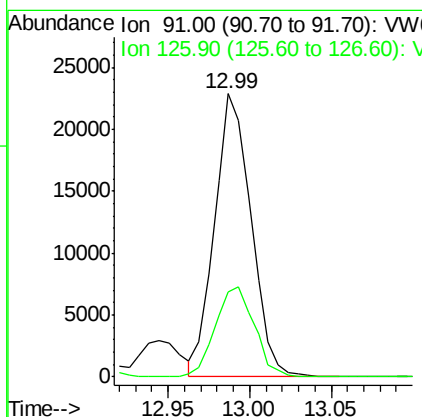
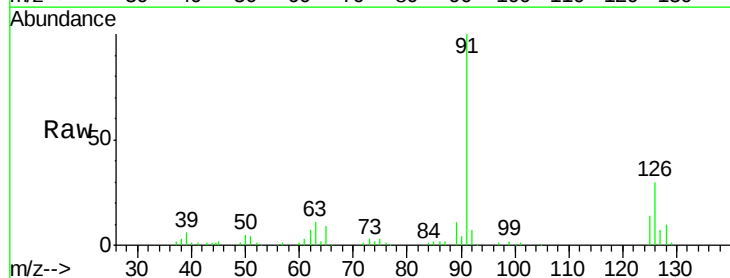
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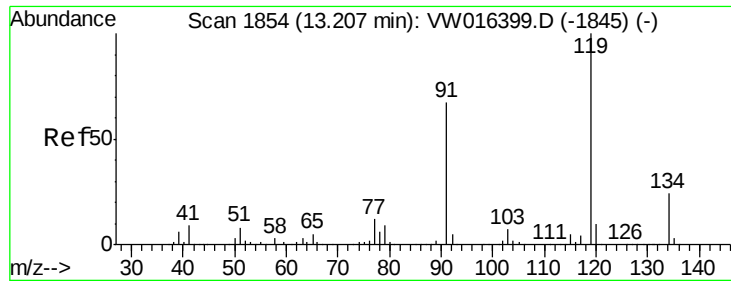
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#82  
4-Chlorotoluene  
Concen: 4.967 ug/l  
RT: 12.99 min Scan# 1818  
Delta R.T. -0.01 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 34.0  | 17.0  | 50.9  |





#83

tert-Butylbenzene

Concen: 4.864 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW016396.D

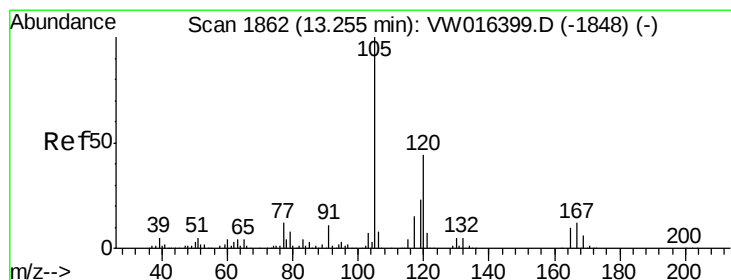
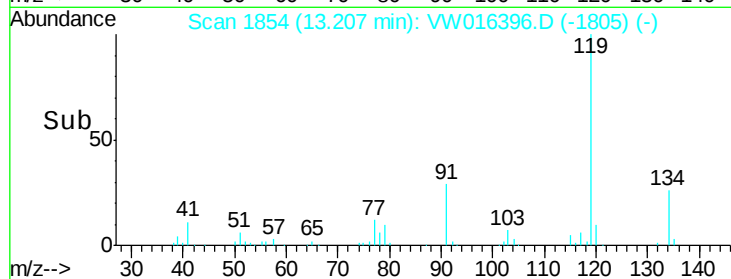
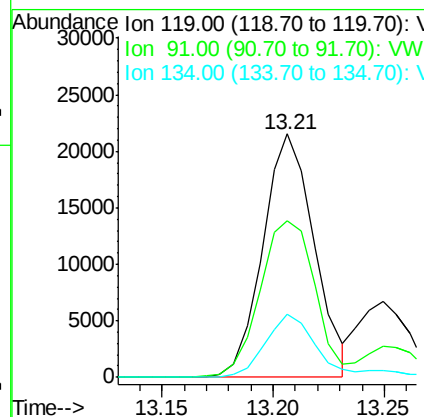
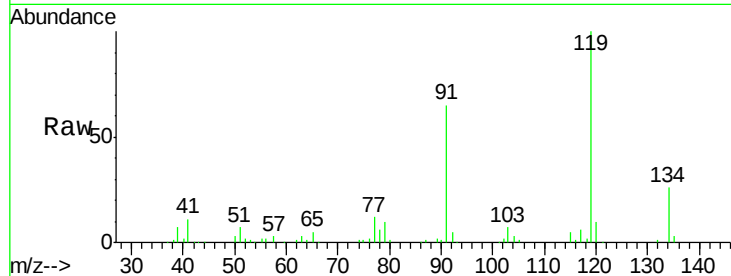
Acq: 28 Aug 2020 12:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 70.2  | 34.1  | 102.3 |
| 134     | 27.2  | 12.3  | 36.8  |

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#84

1,2,4-Trimethylbenzene

Concen: 4.922 ug/l

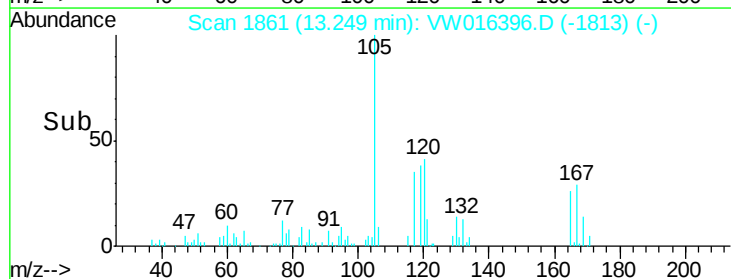
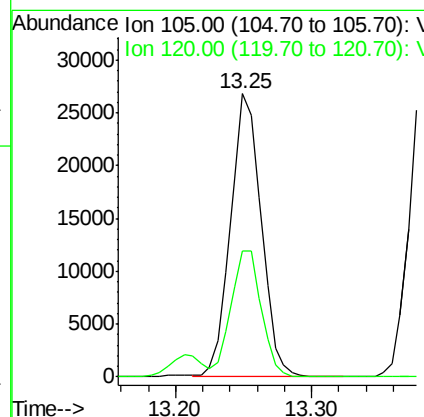
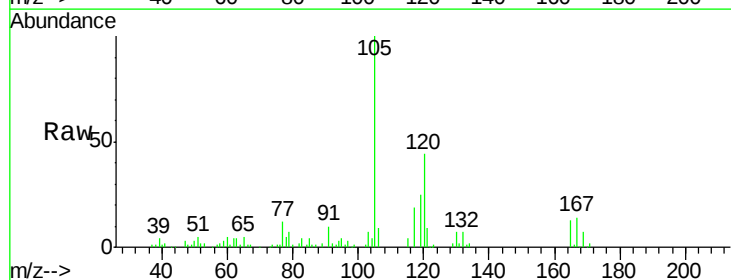
RT: 13.25 min Scan# 1861

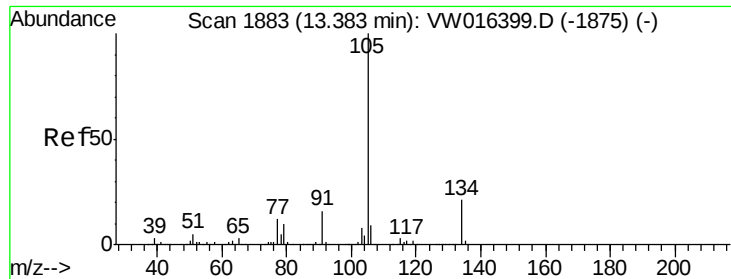
Delta R.T. -0.01 min

Lab File: VW016396.D

Acq: 28 Aug 2020 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.0  | 22.1  | 66.1  |





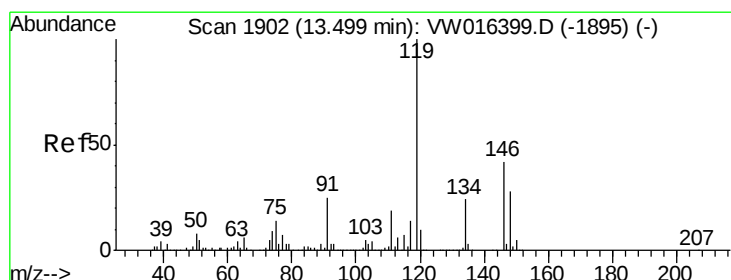
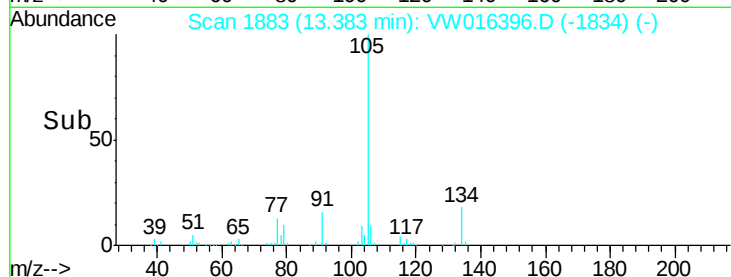
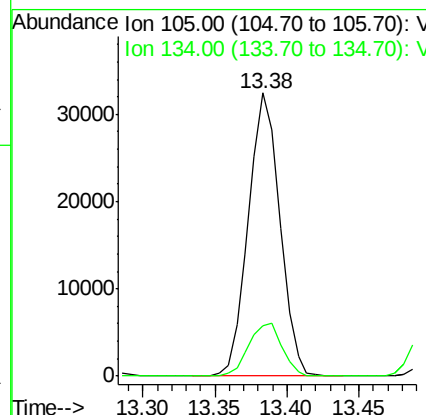
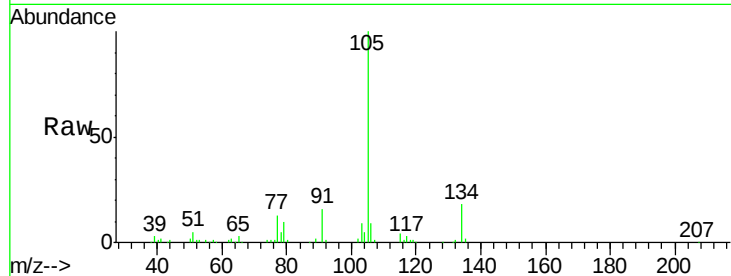
#85  
 sec-Butylbenzene  
 Concen: 4.802 ug/l  
 RT: 13.38 min Scan# 1883  
 Delta R.T. -0.00 min  
 Lab File: VW016396.D  
 Acq: 28 Aug 2020 12:33

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.9  | 10.0  | 30.0  |

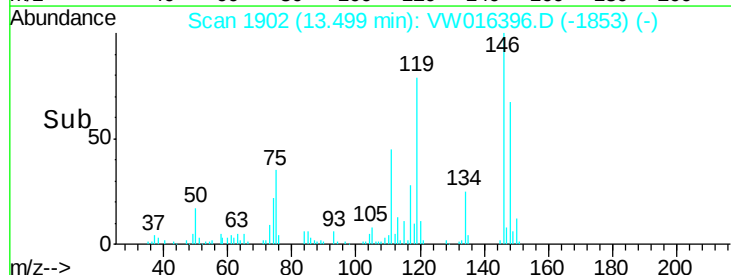
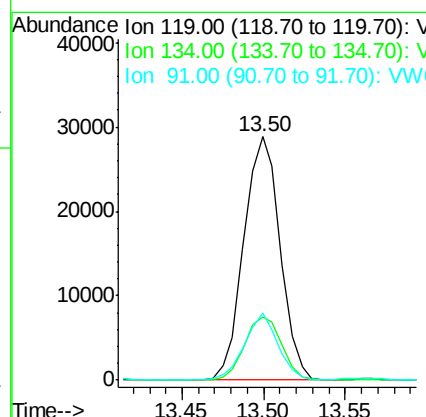
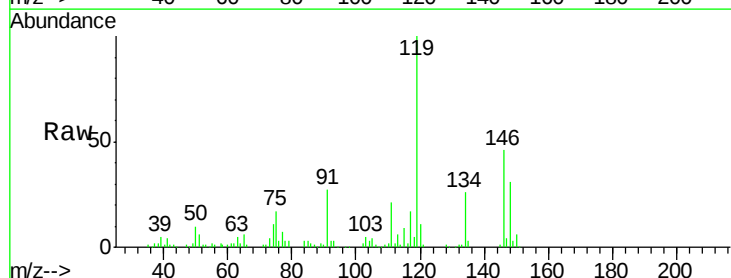
Manual Integrations  
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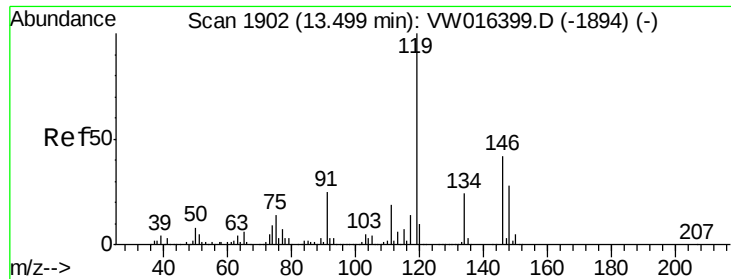
MMDadoda  
 8/31/2020 11:59:24 AM



#86  
 p-Isopropyltoluene  
 Concen: 4.795 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: VW016396.D  
 Acq: 28 Aug 2020 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.8  | 12.6  | 37.6  |
| 91      | 25.6  | 12.2  | 36.4  |





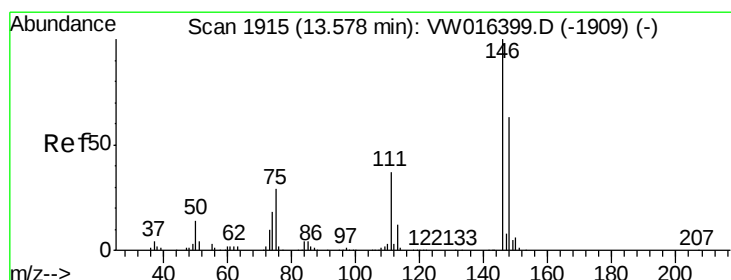
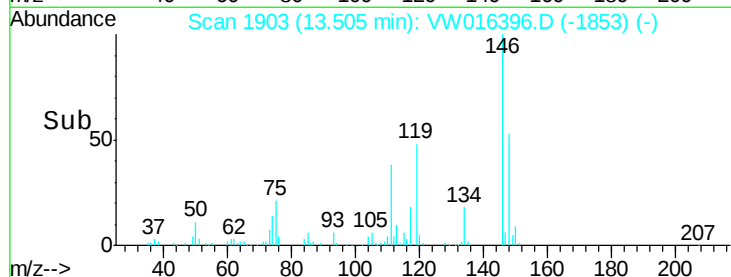
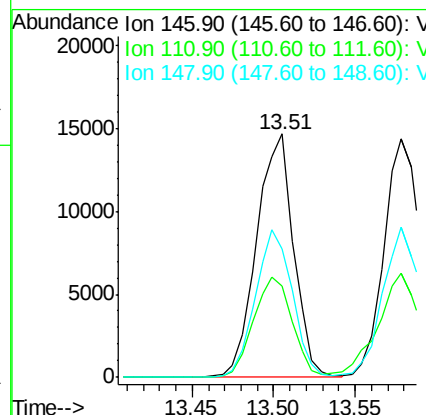
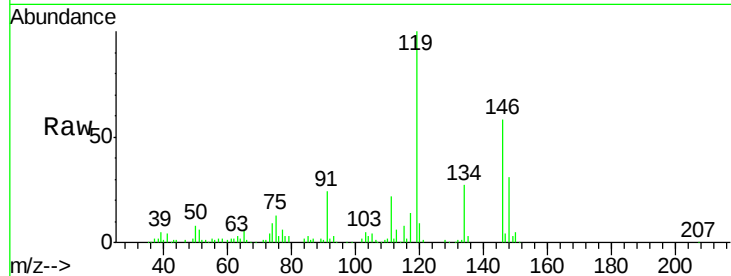
#87  
 1,3-Dichlorobenzene  
 Concen: 5.240 ug/l  
 RT: 13.51 min Scan# 1903  
 Delta R.T. 0.01 min  
 Lab File: VW016396.D  
 Acq: 28 Aug 2020 12:33

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.1  | 22.6  | 67.8  |
| 148     | 60.8  | 33.6  | 100.8 |

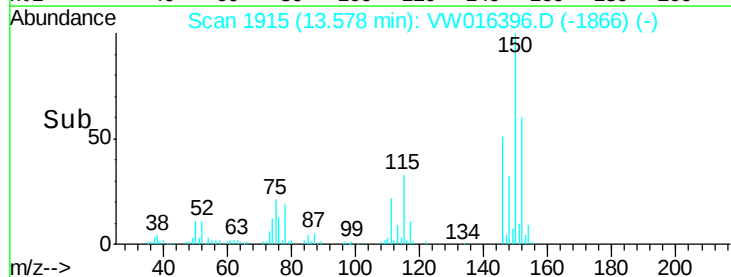
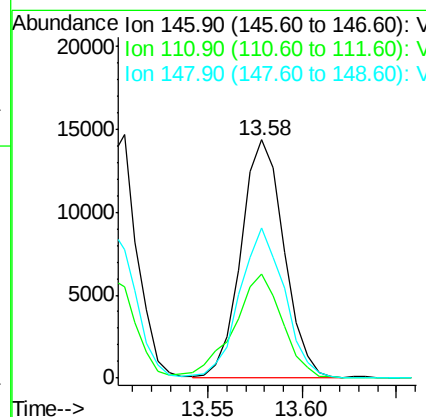
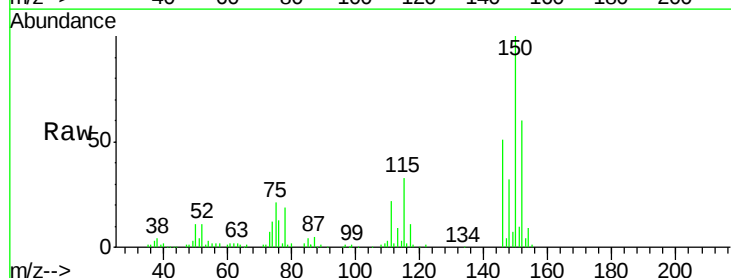
Manual Integrations  
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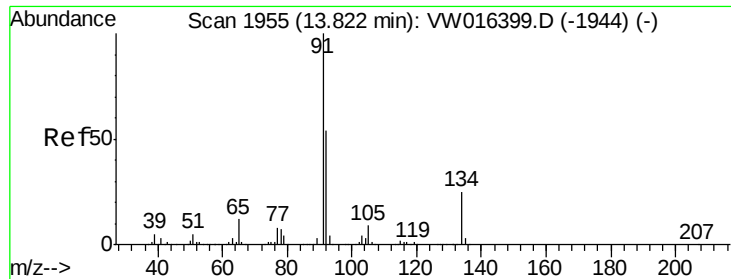
MMDadoda  
 8/31/2020 11:59:24 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 5.170 ug/l  
 RT: 13.58 min Scan# 1915  
 Delta R.T. -0.00 min  
 Lab File: VW016396.D  
 Acq: 28 Aug 2020 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 49.4  | 20.4  | 61.3  |
| 148     | 65.7  | 32.0  | 96.2  |





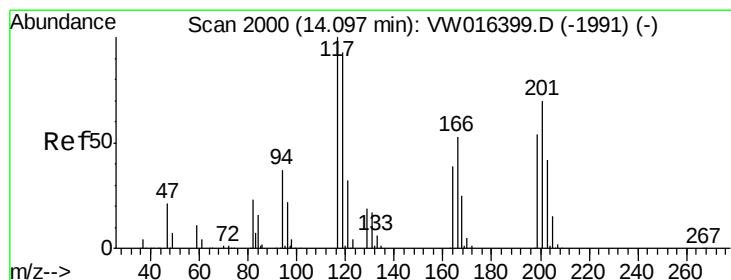
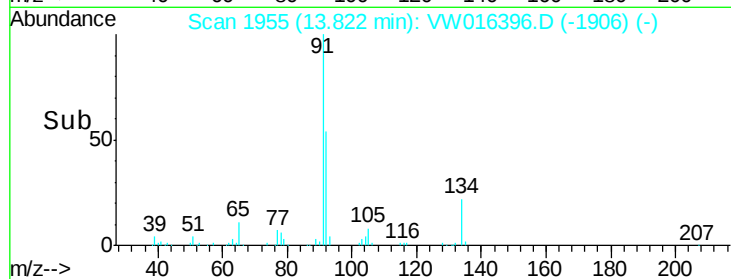
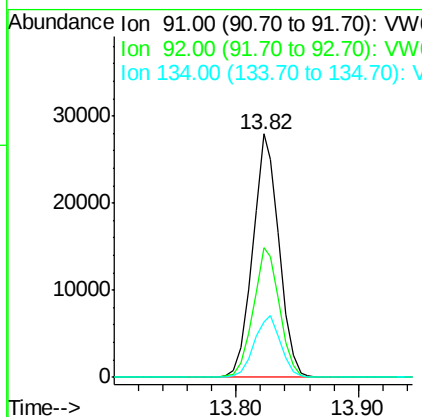
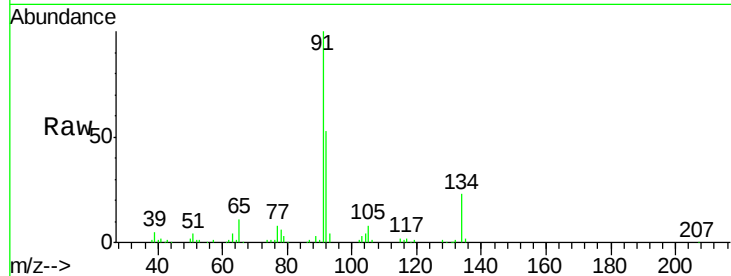
#89  
n-Butylbenzene  
Concen: 4.849 ug/l  
RT: 13.82 min Scan# 1955  
Delta R.T. -0.00 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.0  | 26.8  | 80.4  |
| 134     | 25.5  | 13.2  | 39.6  |

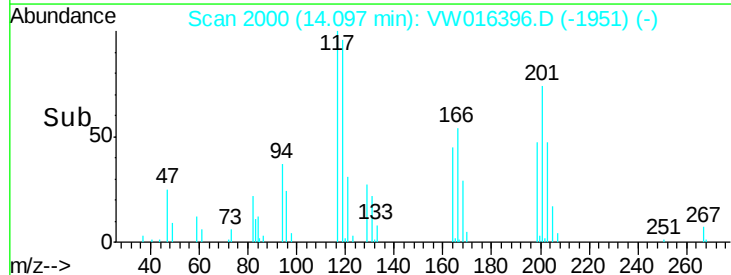
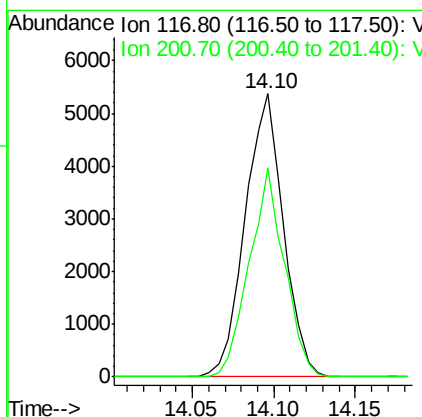
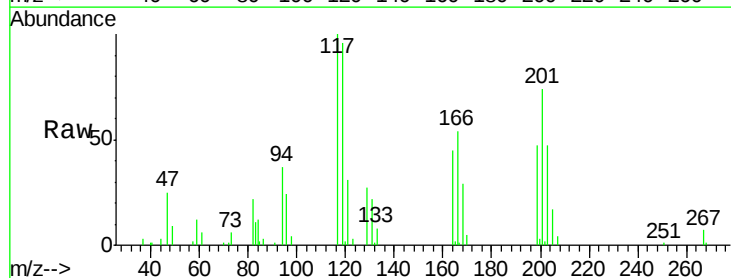
Manual Integrations  
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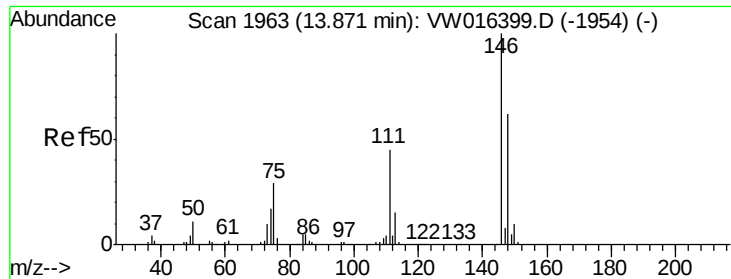
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#90  
Hexachloroethane  
Concen: 5.014 ug/l  
RT: 14.10 min Scan# 2000  
Delta R.T. -0.00 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 67.9  | 35.9  | 107.7 |





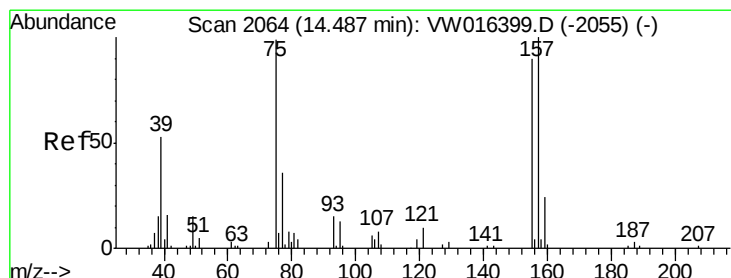
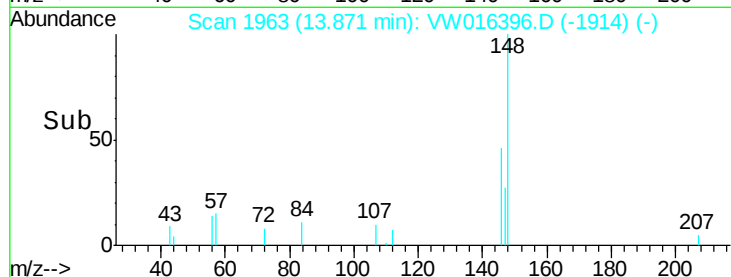
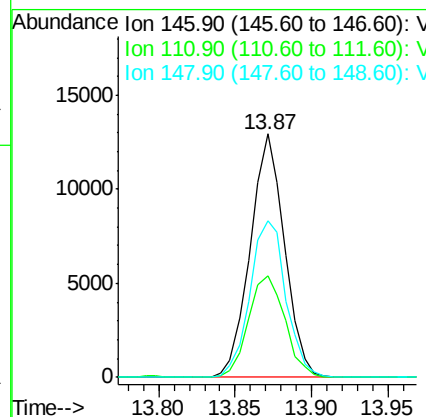
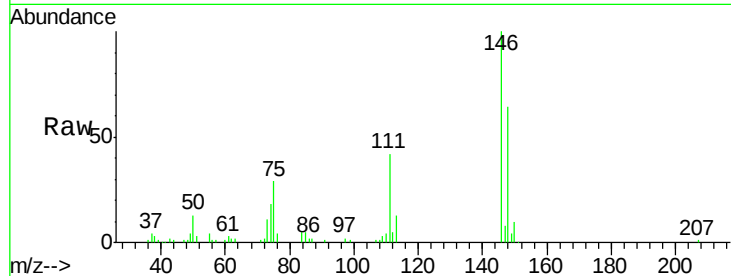
#91  
 1,2-Dichlorobenzene  
 Concen: 5.157 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. -0.00 min  
 Lab File: VW016396.D  
 Acq: 28 Aug 2020 12:33

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 44.6  | 22.3  | 66.8  |
| 148     | 67.5  | 32.0  | 96.0  |

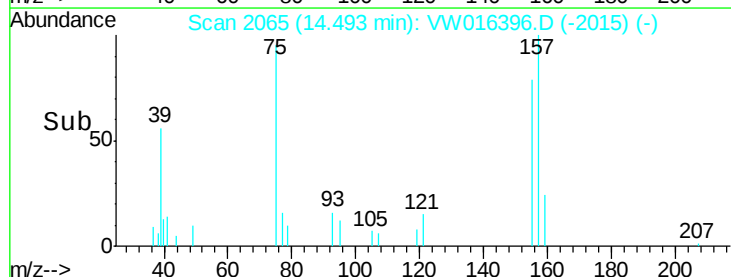
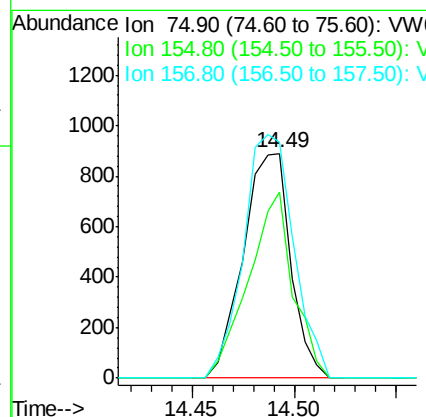
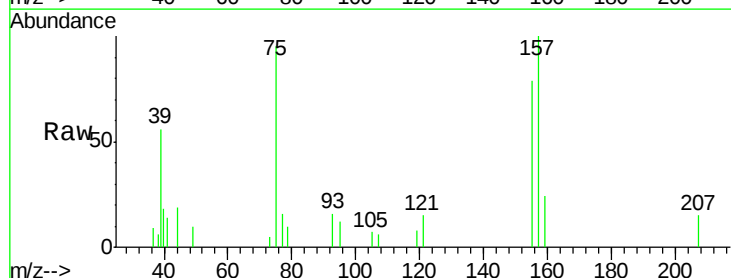
Manual Integrations  
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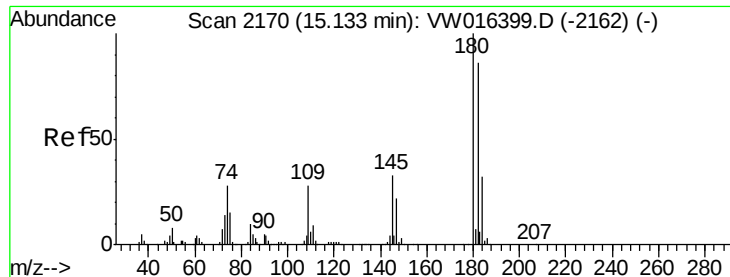
MMDadoda  
 8/31/2020 11:59:24 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 5.493 ug/l  
 RT: 14.49 min Scan# 2065  
 Delta R.T. 0.01 min  
 Lab File: VW016396.D  
 Acq: 28 Aug 2020 12:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 77.7  | 41.4  | 124.4 |
| 157     | 114.6 | 52.1  | 156.4 |





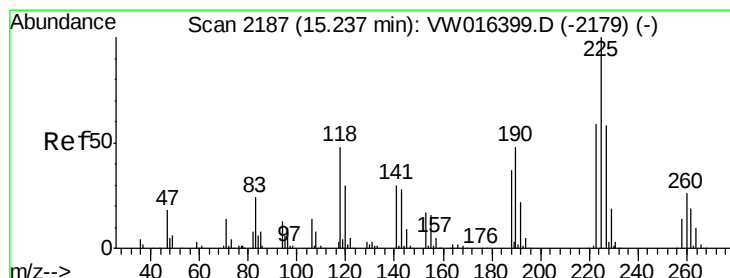
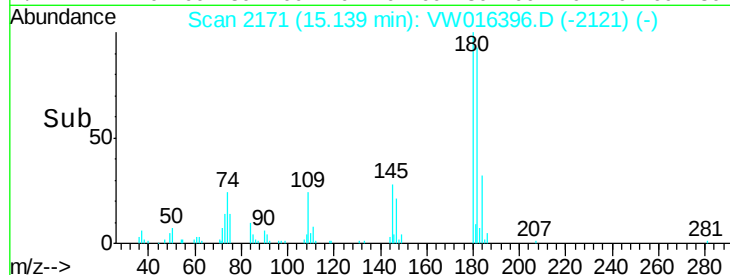
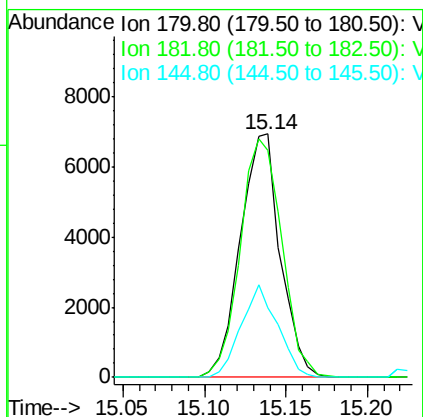
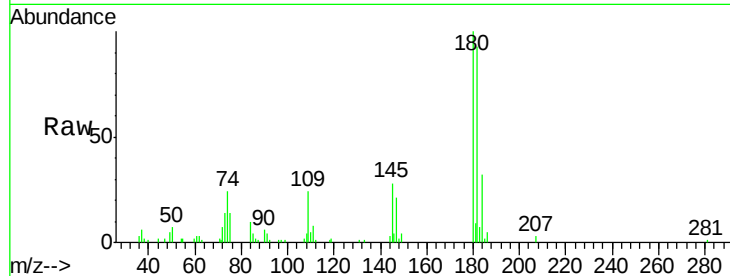
#93  
 1,2,4-Trichlorobenzene  
 Concen: 5.032 ug/l  
 RT: 15.14 min Scan# 2171  
 Delta R.T. 0.01 min  
 Lab File: VW016396.D  
 Acq: 28 Aug 2020 12:33

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 102.0 | 44.9 | 134.7 |       |
| 145     | 34.4  | 17.1 | 51.2  |       |

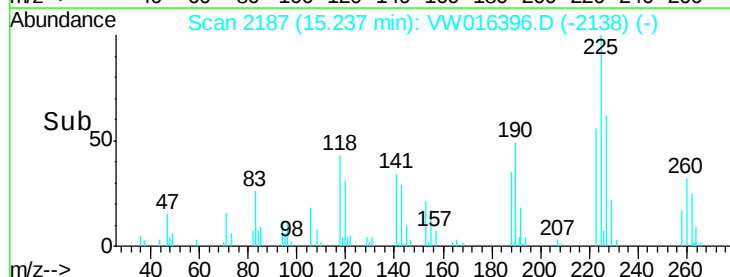
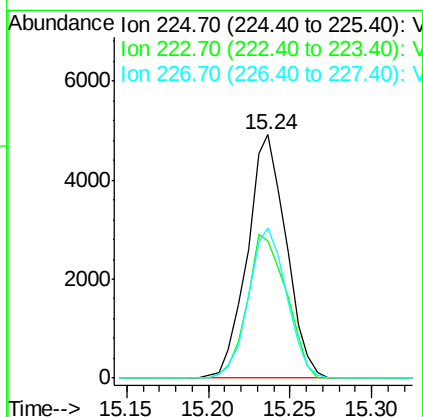
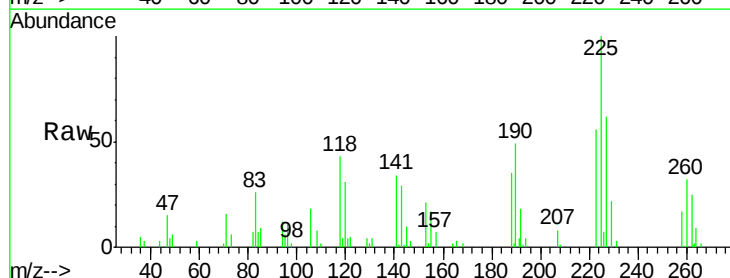
Manual Integrations  
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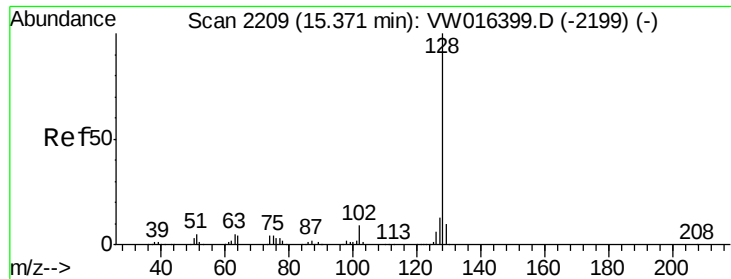
MMDadoda  
 8/31/2020 11:59:24 AM



#94  
 Hexachlorobutadiene  
 Concen: 5.723 ug/l  
 RT: 15.24 min Scan# 2187  
 Delta R.T. -0.00 min  
 Lab File: VW016396.D  
 Acq: 28 Aug 2020 12:33

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 59.8  | 30.5 | 91.5  |       |
| 227     | 60.6  | 30.7 | 92.1  |       |





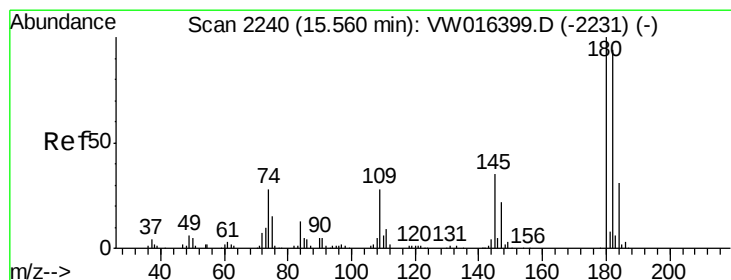
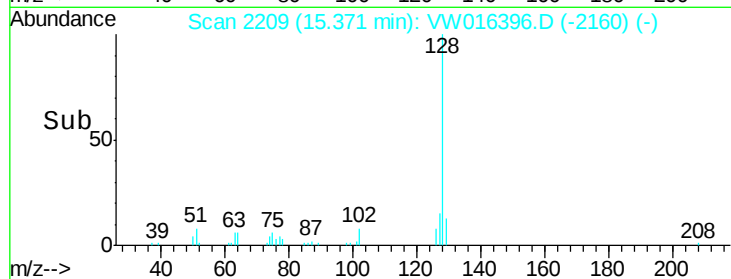
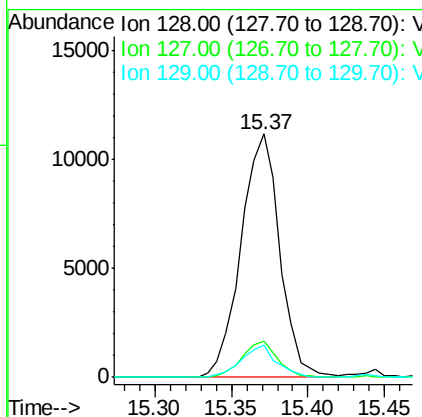
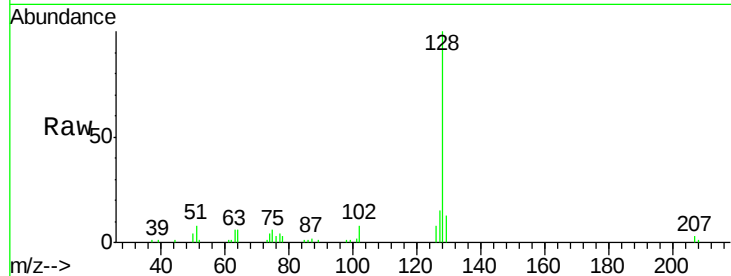
#95  
Naphthalene  
Concen: 4.571 ug/l  
RT: 15.37 min Scan# 2209  
Delta R.T. -0.00 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 19687 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 13.7  | 10.2  | 15.4  |
| 129       | 11.9  | 8.3   | 12.5  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 5.421 ug/l  
RT: 15.55 min Scan# 2239  
Delta R.T. -0.01 min  
Lab File: VW016396.D  
Acq: 28 Aug 2020 12:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 10947 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.2  | 46.5  | 139.5 |
| 145       | 35.7  | 18.1  | 54.3  |

