

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\  
 Data File : VW010451.D  
 Acq On : 20 May 2019 16:28  
 Operator : SY/VA  
 Sample : VSTDICCC050  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

MMDadoda  
 5/21/2019 11:28:45 AM

Quant Time: May 21 06:36:57 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W052019S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 21 06:23:24 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 147788   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 253921   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 227385   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 111008   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 76804    | 48.23 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.46%  |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 78760    | 50.60 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.20% |          |
| 50) Toluene-d8              | 10.32 | 98   | 302764   | 52.00 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.00% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 116457   | 50.92 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.84% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 2.00 | 85   | 68718    | 54.288  | ug/l  | 100    |
| 3) Chloromethane              | 2.21 | 50   | 81052    | 47.457  | ug/l  | 100    |
| 4) Vinyl Chloride             | 2.36 | 62   | 91511    | 50.825  | ug/l  | 100    |
| 5) Bromomethane               | 2.75 | 94   | 61636    | 58.544  | ug/l  | 100    |
| 6) Chloroethane               | 2.91 | 64   | 60340    | 53.546  | ug/l  | 100    |
| 7) Trichlorofluoromethane     | 3.25 | 101  | 132610   | 52.937  | ug/l  | 100    |
| 8) Diethyl Ether              | 3.68 | 74   | 42321    | 48.376  | ug/l  | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101  | 81536    | 51.464  | ug/l  | 100    |
| 10) Methyl Iodide             | 4.27 | 142  | 98955    | 55.136  | ug/l  | 100    |
| 11) Tert butyl alcohol        | 5.17 | 59   | 32059    | 222.944 | ug/l  | 100    |
| 12) 1,1-Dichloroethene        | 4.04 | 96   | 78200    | 52.061  | ug/l  | 100    |
| 13) Acrolein                  | 3.89 | 56   | 17269    | 160.425 | ug/l  | 100    |
| 14) Allyl chloride            | 4.67 | 41   | 114016   | 49.571  | ug/l  | 100    |
| 15) Acrylonitrile             | 5.37 | 53   | 86811    | 234.871 | ug/l  | 100    |
| 16) Acetone                   | 4.12 | 43   | 79830    | 272.073 | ug/l  | 100    |
| 17) Carbon Disulfide          | 4.37 | 76   | 240242   | 55.148  | ug/l  | 100    |
| 18) Methyl Acetate            | 4.67 | 43   | 34681    | 39.623  | ug/l  | 100    |
| 19) Methyl tert-butyl Ether   | 5.43 | 73   | 200202   | 47.605  | ug/l  | 100    |
| 20) Methylene Chloride        | 4.92 | 84   | 94704    | 53.413  | ug/l  | 100    |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96   | 89840    | 51.444  | ug/l  | 100    |
| 22) Diisopropyl ether         | 6.31 | 45   | 233479   | 47.975  | ug/l  | 100    |
| 23) Vinyl Acetate             | 6.26 | 43   | 705071   | 234.327 | ug/l  | 100    |
| 24) 1,1-Dichloroethane        | 6.21 | 63   | 141081   | 49.625  | ug/l  | 100    |
| 25) 2-Butanone                | 7.17 | 43   | 108943   | 227.852 | ug/l  | 100    |
| 26) 2,2-Dichloropropane       | 7.17 | 77   | 132039   | 50.992  | ug/l  | 100    |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96   | 98211    | 50.471  | ug/l  | 100    |
| 28) Bromochloromethane        | 7.51 | 49   | 50649    | 48.430  | ug/l  | 100    |
| 29) Tetrahydrofuran           | 7.53 | 42   | 72844    | 225.158 | ug/l  | 100    |
| 30) Chloroform                | 7.68 | 83   | 151594   | 50.651  | ug/l  | 100    |
| 31) Cyclohexane               | 7.95 | 56   | 139687   | 48.648  | ug/l  | 100    |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97   | 143395   | 50.709  | ug/l  | 100    |
| 36) 1,1-Dichloropropene       | 8.08 | 75   | 119521   | 52.266  | ug/l  | 100    |
| 37) Ethyl Acetate             | 7.25 | 43   | 50503    | 47.246  | ug/l  | 100    |
| 38) Carbon Tetrachloride      | 8.07 | 117  | 130483   | 52.867  | ug/l  | 100    |

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 ALS Vial : 7 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

MMDadoda  
 5/21/2019 11:28:45 AM

Quant Time: May 21 06:36:57 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W052019S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 21 06:23:24 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units | Dev(Min) |
|--------------------------------|-------|------|----------|----------|-------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 162496   | 53.045   | ug/l  | 100      |
| 40) Benzene                    | 8.32  | 78   | 336743   | 51.752   | ug/l  | 100      |
| 41) Methacrylonitrile          | 7.48  | 41   | 28409    | 45.614   | ug/l  | 100      |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 95193    | 49.635   | ug/l  | 100      |
| 43) Isopropyl Acetate          | 8.43  | 43   | 100092   | 46.251   | ug/l  | 100      |
| 44) Trichloroethene            | 9.09  | 130  | 99784    | 53.329   | ug/l  | 100      |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 79846    | 50.559   | ug/l  | 100      |
| 46) Dibromomethane             | 9.46  | 93   | 46592    | 50.137   | ug/l  | 100      |
| 47) Bromodichloromethane       | 9.65  | 83   | 118020   | 50.872   | ug/l  | 100      |
| 48) Methyl methacrylate        | 9.43  | 41   | 46067    | 46.053   | ug/l  | 100      |
| 49) 1,4-Dioxane                | 9.45  | 88   | 14649    | 1064.950 | ug/l  | 100      |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 254260   | 229.367  | ug/l  | 100      |
| 52) Toluene                    | 10.39 | 92   | 223675   | 51.764   | ug/l  | 100      |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 119044   | 49.948   | ug/l  | 100      |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 136129   | 50.230   | ug/l  | 100      |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 66905    | 49.912   | ug/l  | 100      |
| 56) Ethyl methacrylate         | 10.65 | 69   | 92128    | 49.217   | ug/l  | 100      |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 112289   | 49.906   | ug/l  | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 195889   | 224.713  | ug/l  | 100      |
| 59) 2-Hexanone                 | 10.97 | 43   | 181039   | 233.806  | ug/l  | 100      |
| 60) Dibromochloromethane       | 11.13 | 129  | 85042    | 50.993   | ug/l  | 100      |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 68240    | 50.129   | ug/l  | 100      |
| 64) Tetrachloroethene          | 10.86 | 164  | 80329    | 52.837   | ug/l  | 100      |
| 65) Chlorobenzene              | 11.66 | 112  | 242755   | 51.934   | ug/l  | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 88597    | 51.412   | ug/l  | 100      |
| 67) Ethyl Benzene              | 11.73 | 91   | 431294   | 52.236   | ug/l  | 100      |
| 68) m/p-Xylenes                | 11.84 | 106  | 338881   | 104.806  | ug/l  | 100      |
| 69) o-Xylene                   | 12.17 | 106  | 160431   | 52.154   | ug/l  | 100      |
| 70) Styrene                    | 12.18 | 104  | 273556   | 51.730   | ug/l  | 100      |
| 71) Bromoform                  | 12.35 | 173  | 48433    | 50.574   | ug/l  | # 100    |
| 73) Isopropylbenzene           | 12.47 | 105  | 438927   | 50.362   | ug/l  | 100      |
| 74) N-amyl acetate             | 12.27 | 43   | 98348    | 45.067   | ug/l  | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.72 | 83   | 77203    | 45.689   | ug/l  | 100      |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 53922m   | 45.770   | ug/l  |          |
| 77) Bromobenzene               | 12.75 | 156  | 99236    | 50.535   | ug/l  | 100      |
| 78) n-propylbenzene            | 12.80 | 91   | 506171   | 50.197   | ug/l  | 100      |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 292909   | 49.784   | ug/l  | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 372450   | 50.328   | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 26689    | 44.710   | ug/l  | 100      |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 304463   | 49.641   | ug/l  | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 323105   | 51.485   | ug/l  | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 371183   | 50.880   | ug/l  | 100      |
| 85) sec-Butylbenzene           | 13.38 | 105  | 452505   | 51.262   | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 414261   | 51.825   | ug/l  | 100      |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 194423   | 51.367   | ug/l  | 100      |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 197573   | 52.303   | ug/l  | 100      |
| 89) n-Butylbenzene             | 13.83 | 91   | 395174   | 51.885   | ug/l  | 100      |
| 90) Hexachloroethane           | 14.10 | 117  | 81121    | 50.667   | ug/l  | 100      |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 176580   | 51.513   | ug/l  | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 14564    | 46.215   | ug/l  | 100      |

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Sample : VSTDICCC050  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

Manual Integrations  
APPROVED

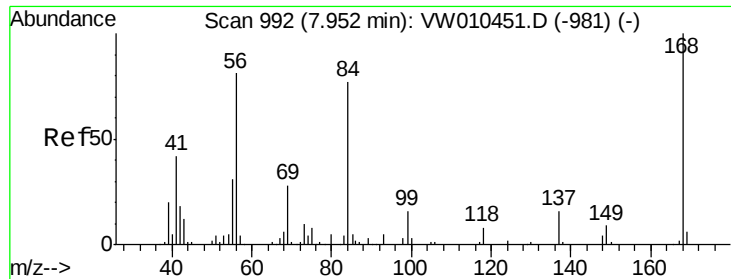
MMDadoda  
5/21/2019 11:28:45 AM

Quant Time: May 21 06:36:57 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W052019S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 21 06:23:24 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 125880   | 55.595 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 68040    | 56.012 | ug/l  | 100      |
| 95) Naphthalene            | 15.37 | 128  | 261429   | 51.823 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.56 | 180  | 108598   | 54.571 | ug/l  | 100      |

(#) = 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: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 147788

Ion Ratio Lower Upper

168 100

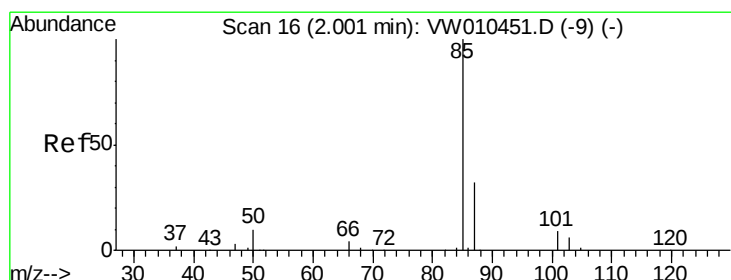
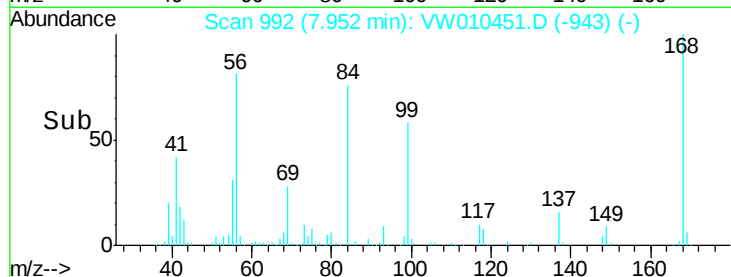
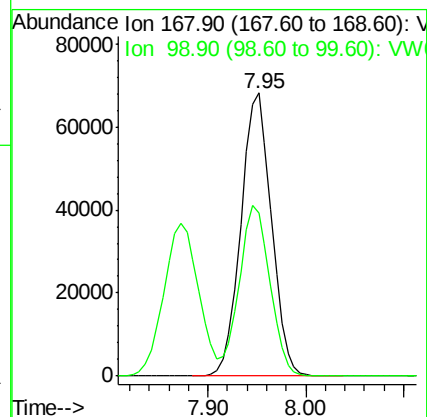
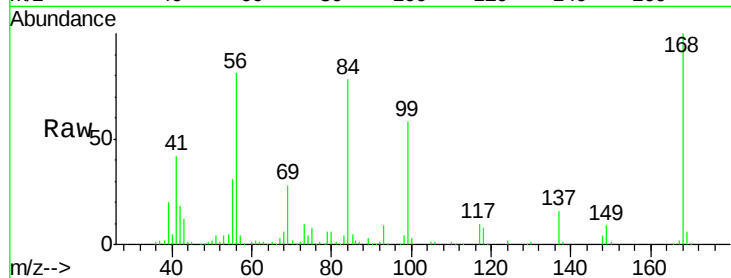
99 57.6 46.1 69.1

Manual Integrations

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5/21/2019 11:28:45 AM



#2

Dichlorodifluoromethane

Concen: 54.288 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW010451.D

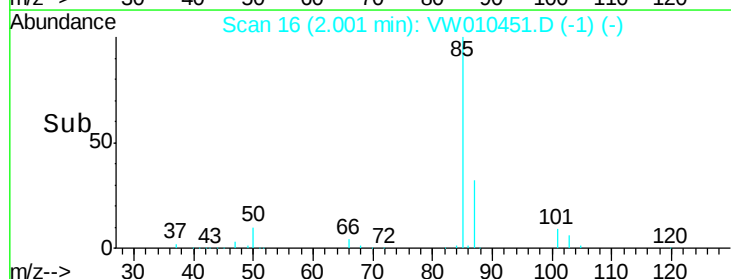
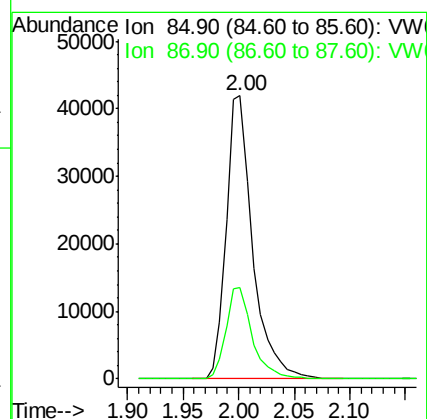
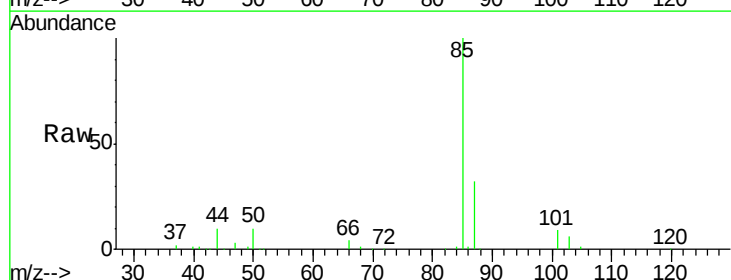
Acq: 20 May 2019 16:28

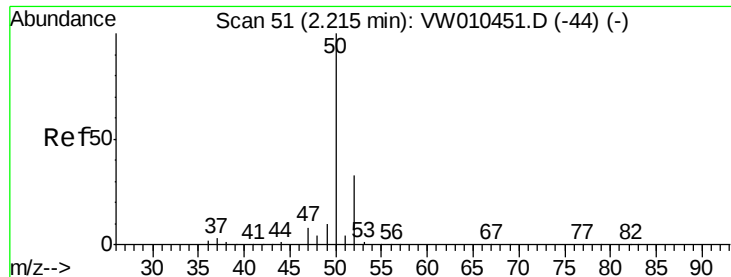
Tgt Ion: 85 Resp: 68718

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.8





#3

Chloromethane

Concen: 47.457 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 81052

Ion Ratio Lower Upper

50 100

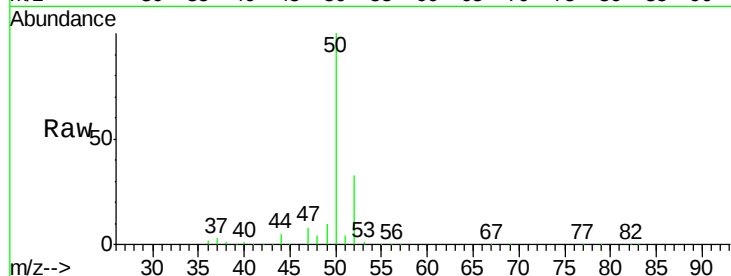
52 32.9 26.3 39.5

Manual Integrations

APPROVED

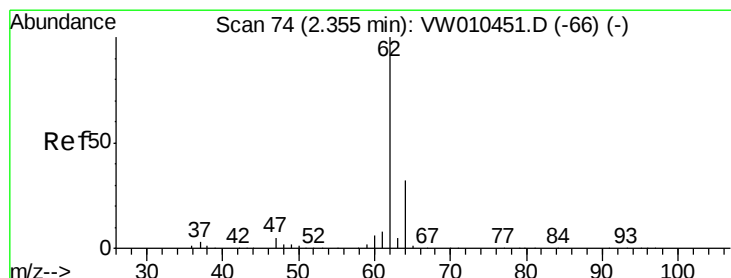
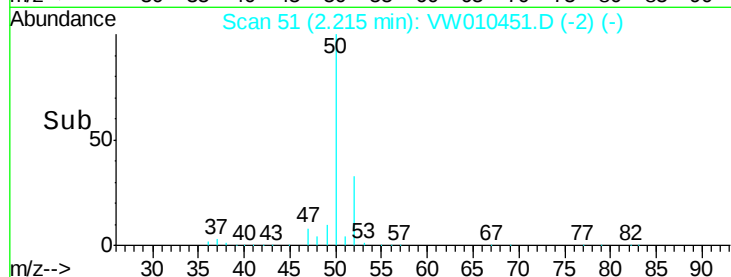
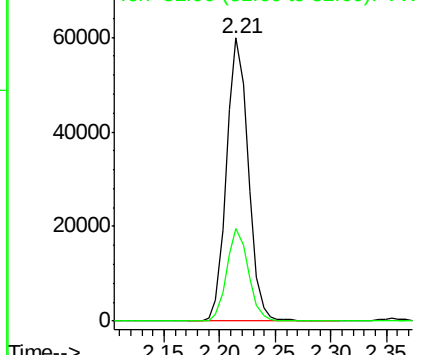
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5/21/2019 11:28:45 AM



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 50.825 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW010451.D

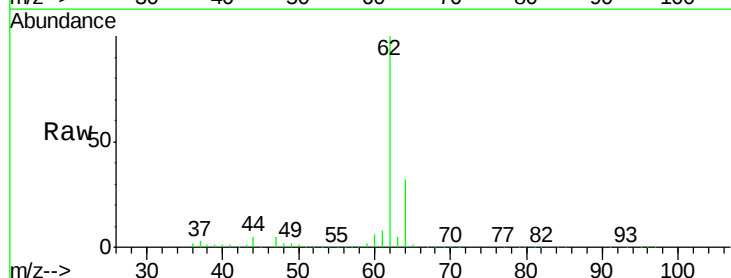
Acq: 20 May 2019 16:28

Tgt Ion: 62 Resp: 91511

Ion Ratio Lower Upper

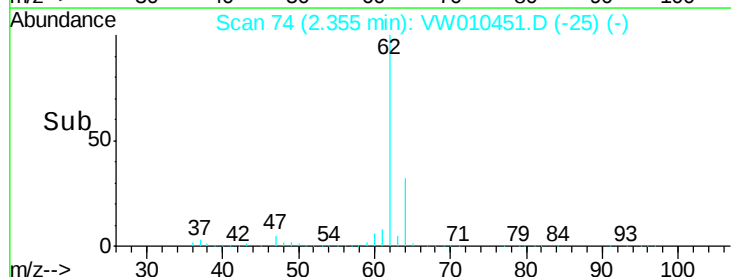
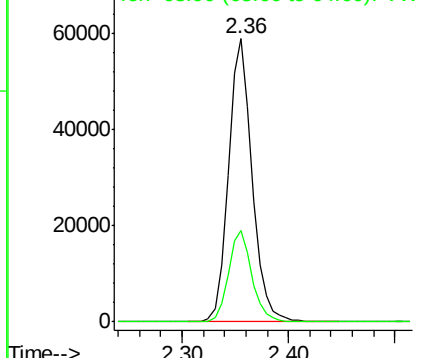
62 100

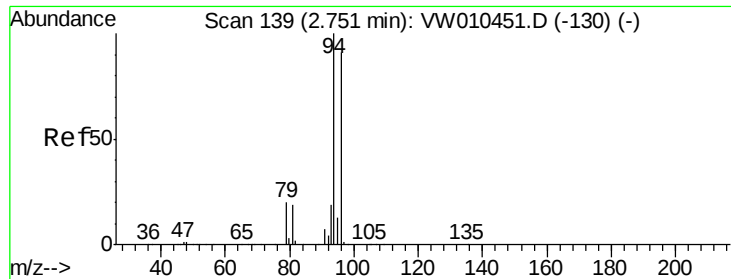
64 32.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 58.544 ug/l

RT: 2.75 min Scan# 139

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 61636

Ion Ratio Lower Upper

94 100

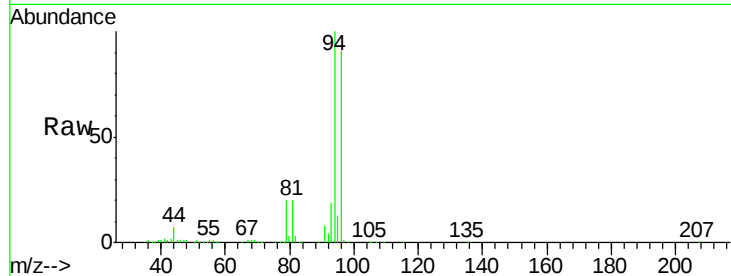
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Manual Integrations

APPROVED

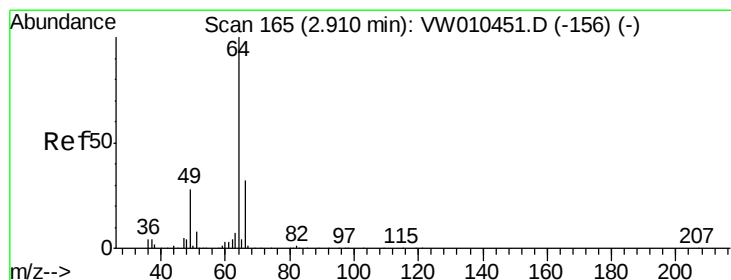
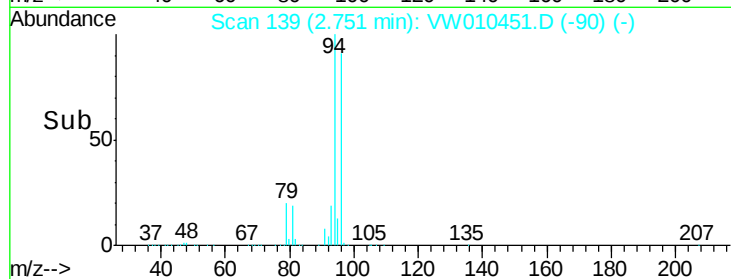
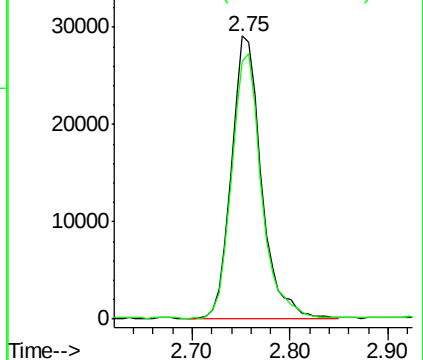
MMDadoda

5/21/2019 11:28:45 AM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 53.546 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.00 min

Lab File: VW010451.D

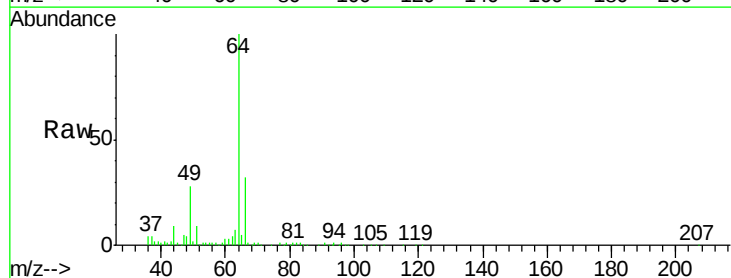
Acq: 20 May 2019 16:28

Tgt Ion: 64 Resp: 60340

Ion Ratio Lower Upper

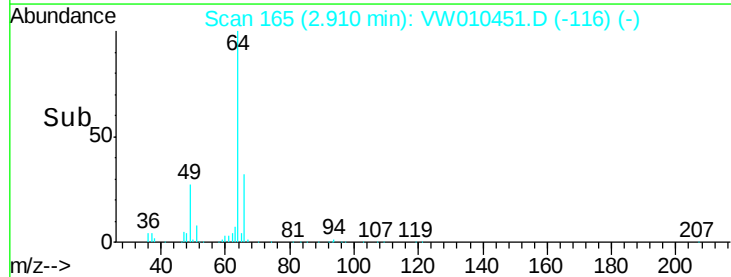
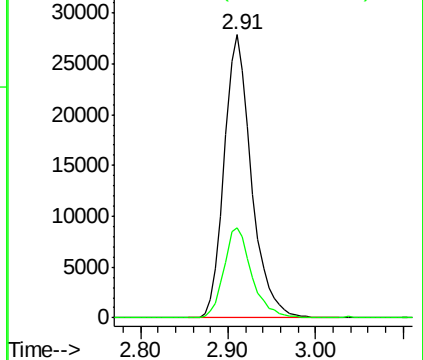
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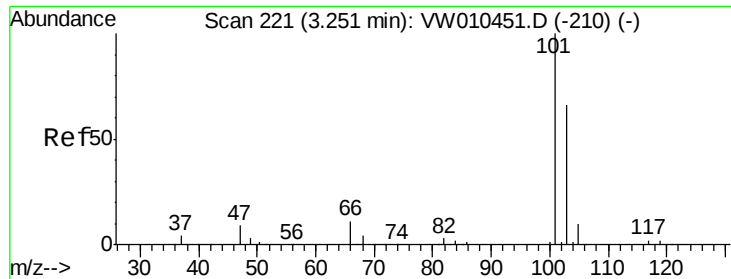
66 31.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

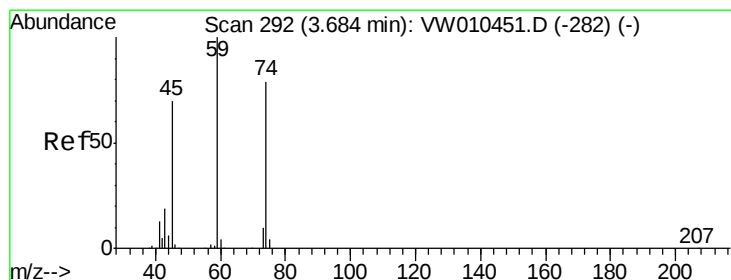
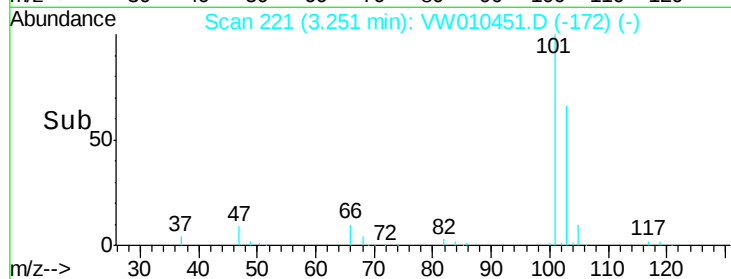
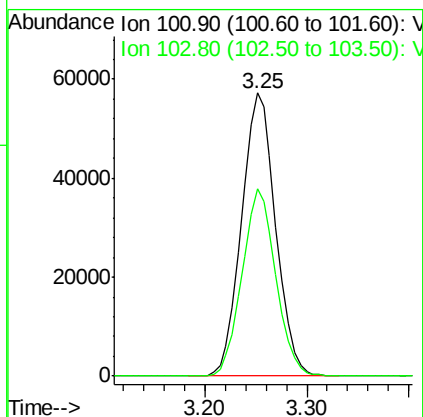
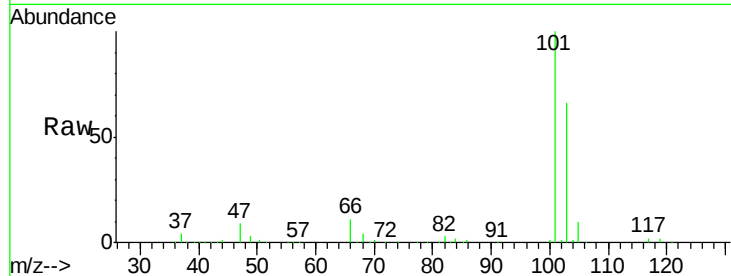
Trichlorofluoromethane  
 Concen: 52.937 ug/l  
 RT: 3.25 min Scan# 221  
 Delta R.T. 0.00 min  
 Lab File: VW010451.D  
 Acq: 20 May 2019 16:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 132610 |       |       |
| 103     | 66.2  | 53.0   | 79.4  |       |

Manual Integrations  
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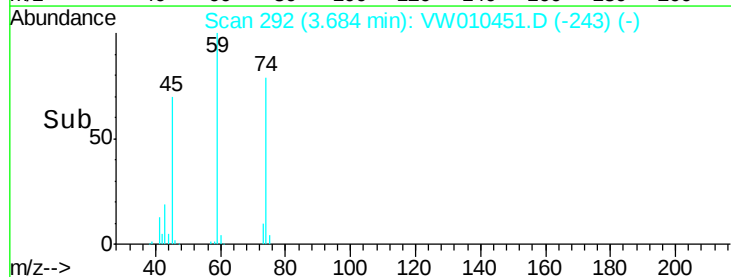
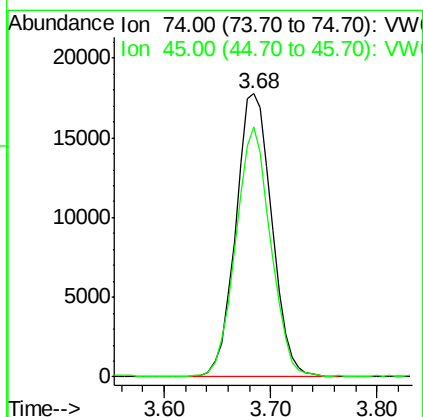
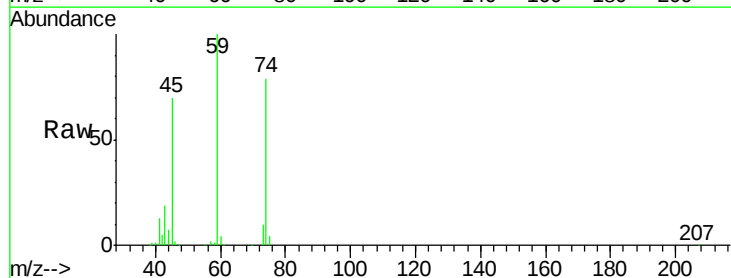
MMDadoda  
 5/21/2019 11:28:45 AM

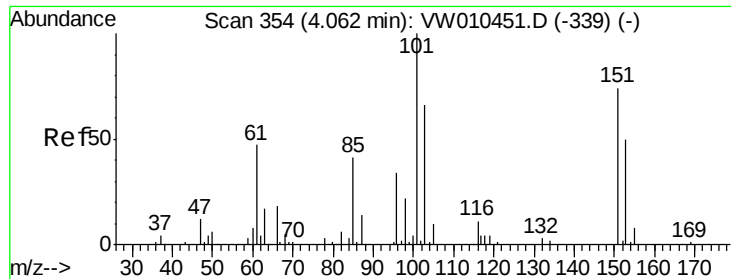


#8

Diethyl Ether  
 Concen: 48.376 ug/l  
 RT: 3.68 min Scan# 292  
 Delta R.T. 0.00 min  
 Lab File: VW010451.D  
 Acq: 20 May 2019 16:28

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 74      | 100   | 42321 |       |       |
| 45      | 85.7  | 42.9  | 128.5 |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.464 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA\_W

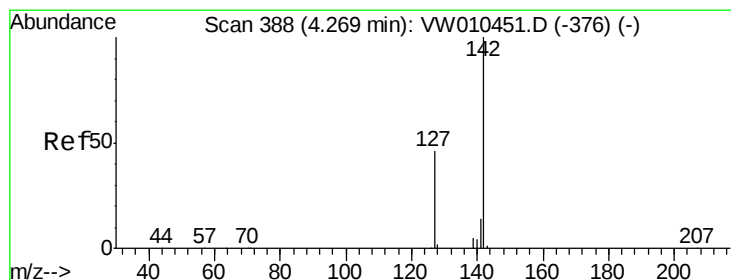
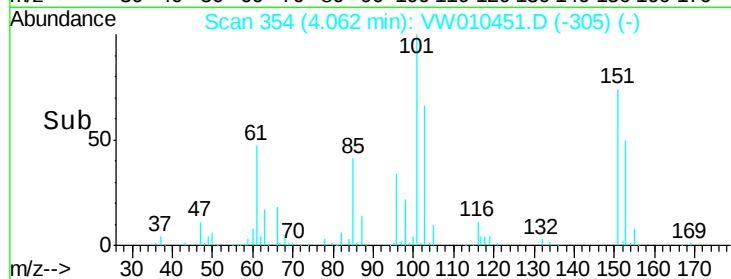
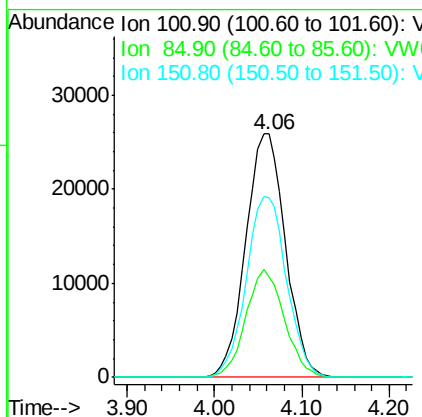
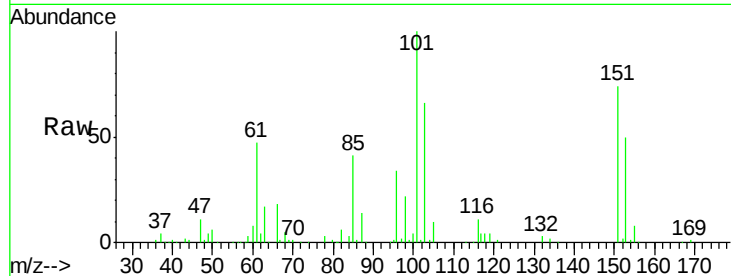
ClientSampleId :

VSTDICCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 81536 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 42.9  | 34.3  | 51.5  |
| 151       | 75.4  | 60.3  | 90.5  |

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5/21/2019 11:28:45 AM



#10

Methyl Iodide

Concen: 55.136 ug/l

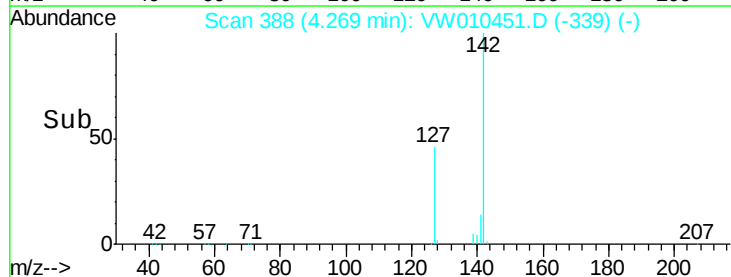
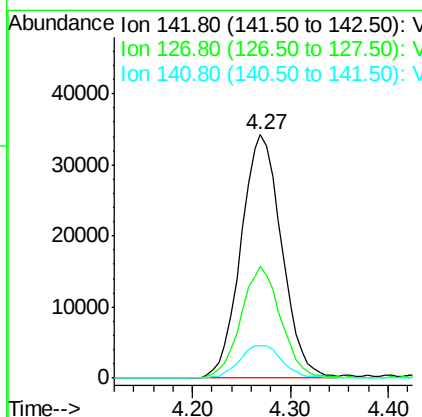
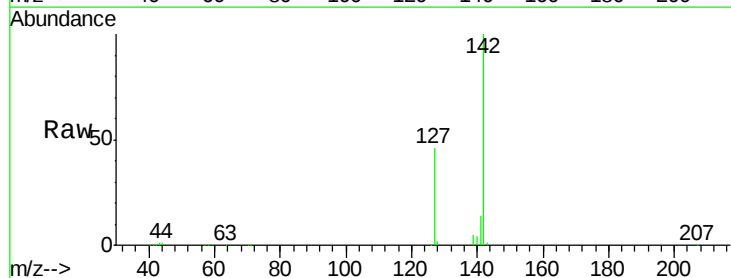
RT: 4.27 min Scan# 388

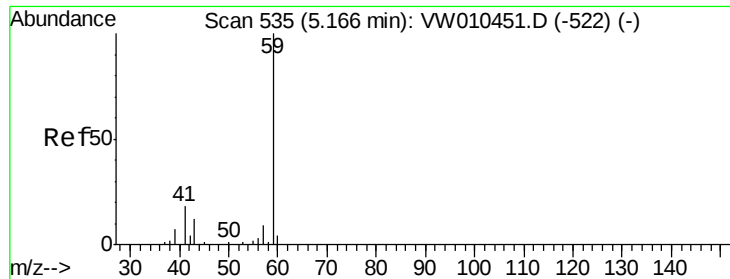
Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 98955 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 45.1  | 36.1  | 54.1  |
| 141       | 14.1  | 11.3  | 16.9  |





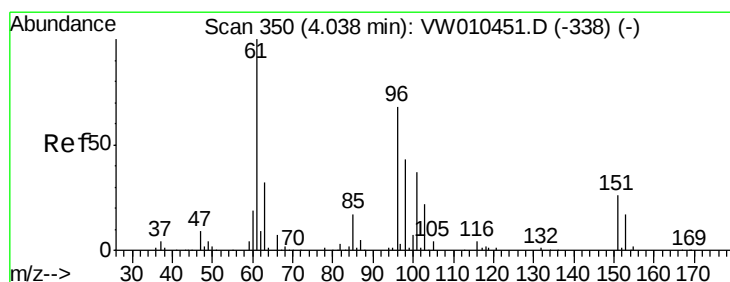
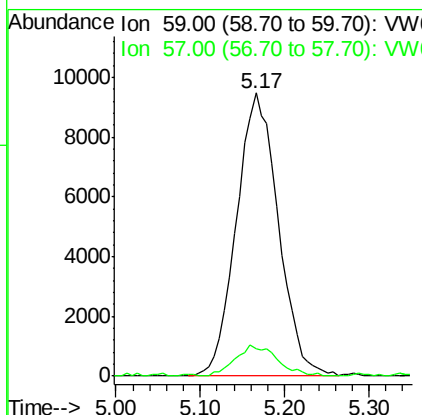
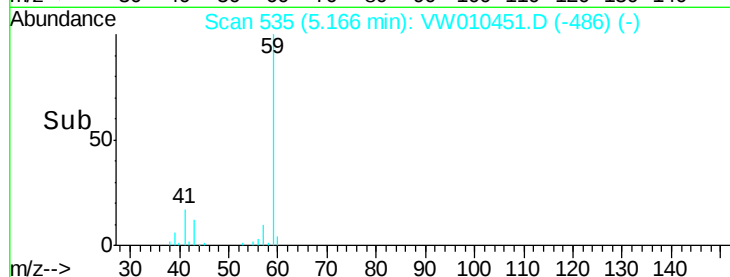
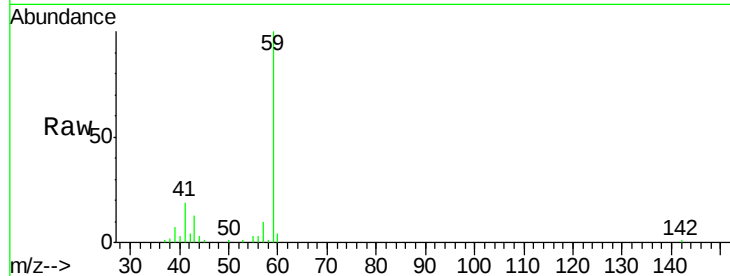
#11  
Tert butyl alcohol  
Concen: 222.944 ug/l  
RT: 5.17 min Scan# 535  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

Tot Ion: 59 Resp: 32059  
Ion Ratio Lower Upper  
59 100  
57 11.0 8.8 13.2

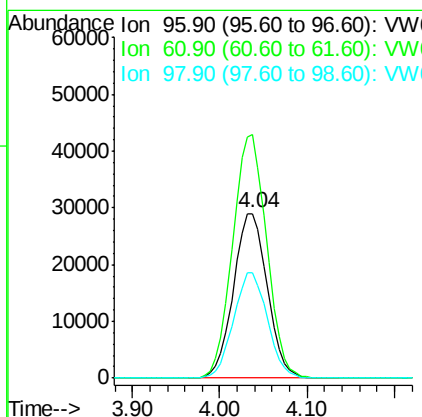
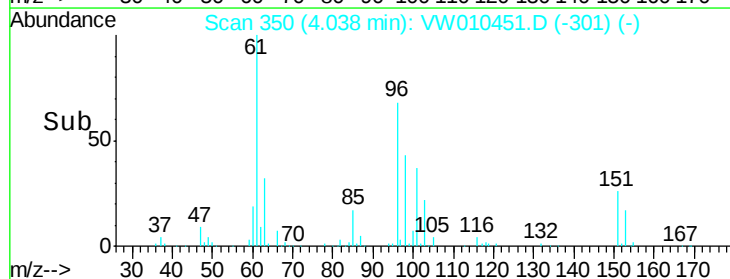
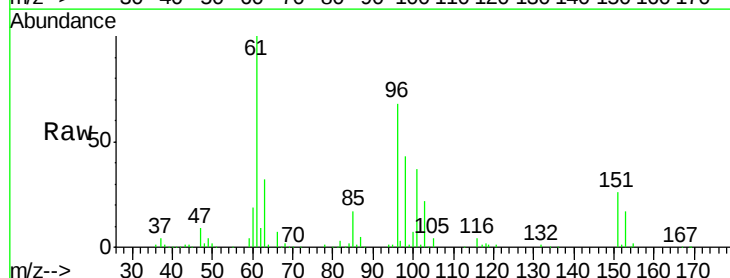
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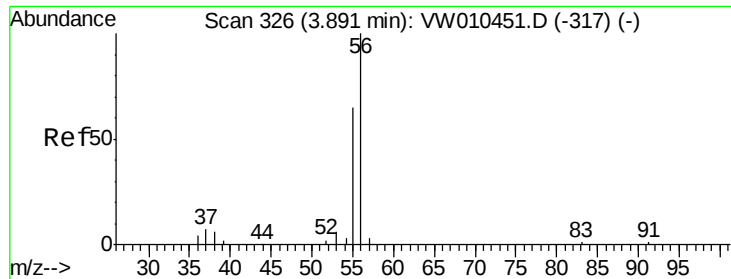
MMDadoda  
5/21/2019 11:28:45 AM



#12  
1,1-Dichloroethene  
Concen: 52.061 ug/l  
RT: 4.04 min Scan# 350  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

Tgt Ion: 96 Resp: 78200  
Ion Ratio Lower Upper  
96 100  
61 147.9 118.3 177.5  
98 63.8 51.0 76.6





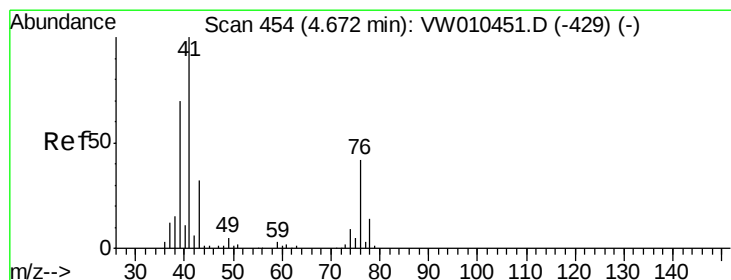
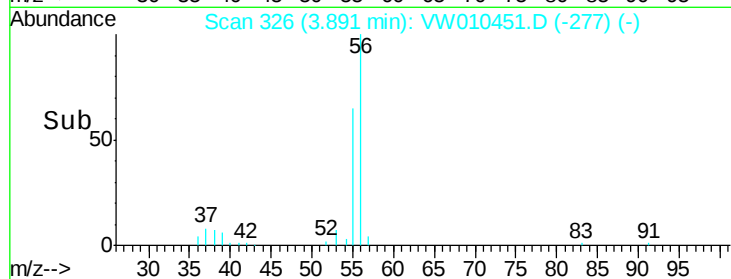
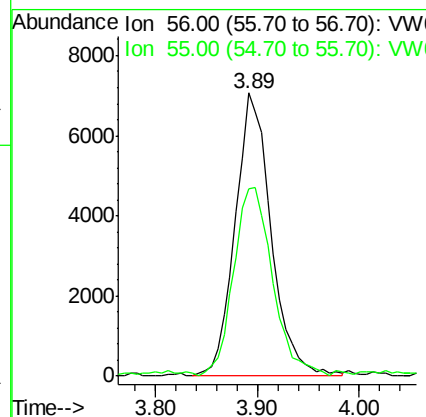
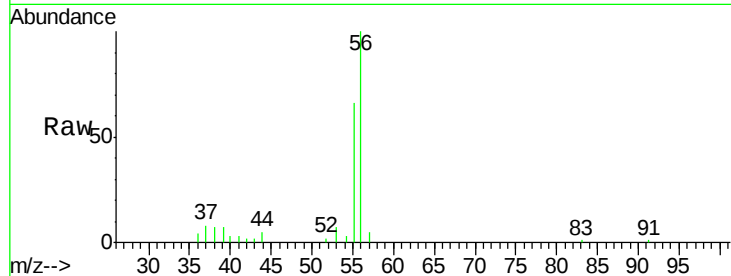
#13  
Acrolein  
Concen: 160.425 ug/l  
RT: 3.89 min Scan# 326  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

| Tot Ion | 56 | 55 | Ratio | 100 | 72.4 | Resp | 17269 | Lower | 57.9 | Upper | 86.9 |
|---------|----|----|-------|-----|------|------|-------|-------|------|-------|------|
| Ion     | 56 | 55 | Ratio | 100 | 72.4 | Resp | 17269 | Lower | 57.9 | Upper | 86.9 |

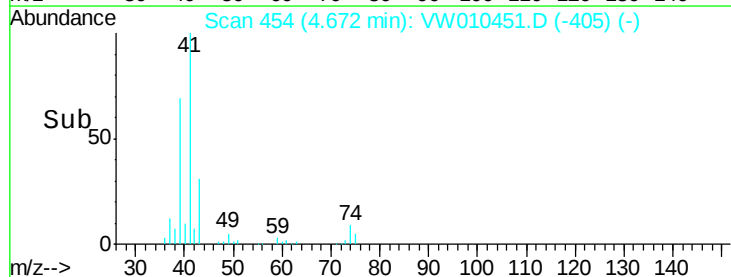
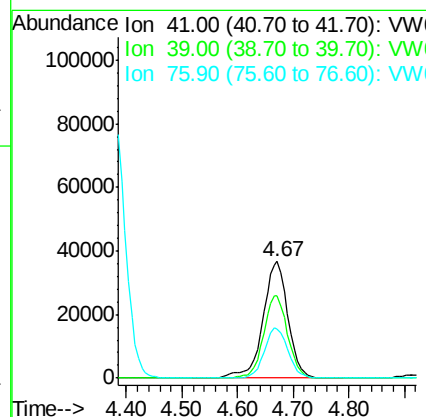
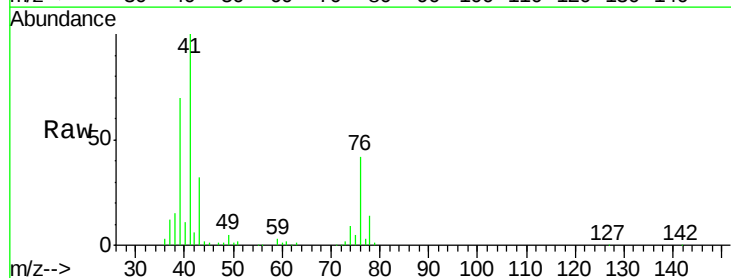
Manual Integrations  
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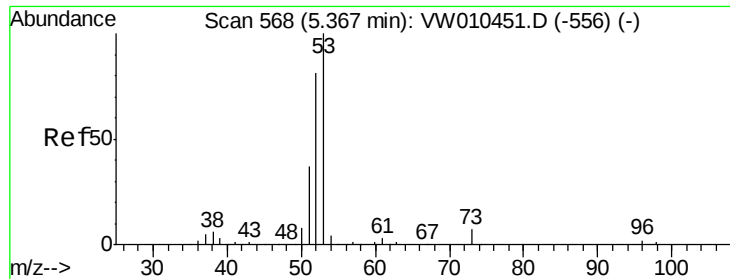
MMDadoda  
5/21/2019 11:28:45 AM



#14  
Allyl chloride  
Concen: 49.571 ug/l  
RT: 4.67 min Scan# 454  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

| Tgt Ion | 41 | 39 | 76 | Ratio | 100 | 68.7 | 41.0 | Resp | 114016 | Lower | 55.0 | Upper | 82.4 | 49.2 |
|---------|----|----|----|-------|-----|------|------|------|--------|-------|------|-------|------|------|
| Ion     | 41 | 39 | 76 | Ratio | 100 | 68.7 | 41.0 | Resp | 114016 | Lower | 55.0 | Upper | 82.4 | 49.2 |





#15

Acrylonitrile

Concen: 234.871 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA\_W

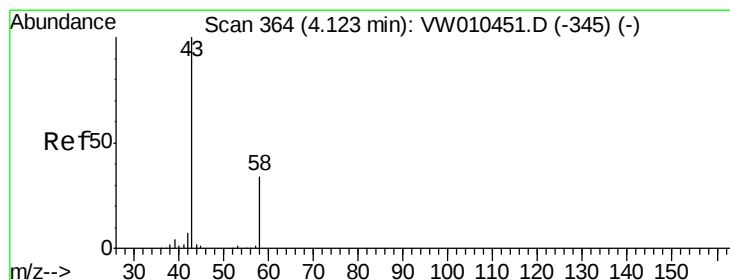
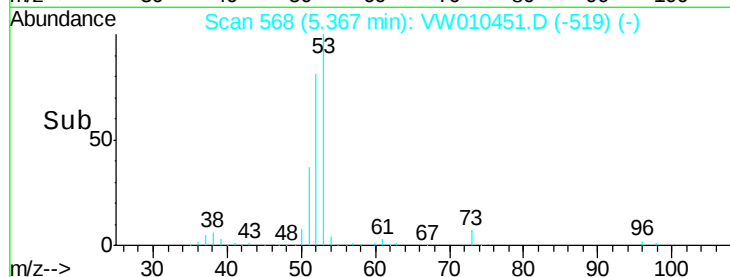
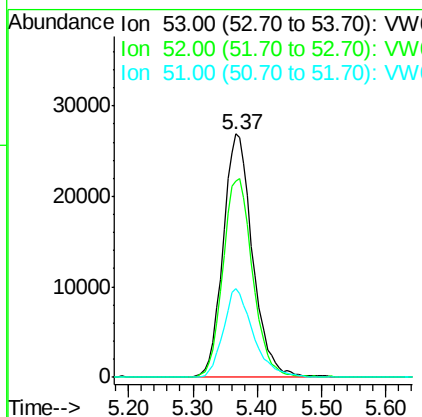
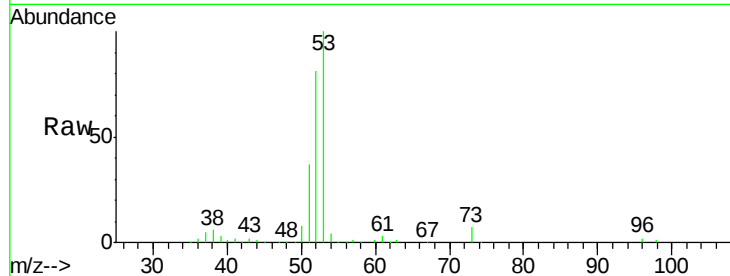
ClientSampleId :

VSTDICCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 86811 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 82.0  | 65.6  | 98.4  |
| 51       | 36.9  | 29.5  | 44.3  |

Manual Integrations  
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5/21/2019 11:28:45 AM



#16

Acetone

Concen: 272.073 ug/l

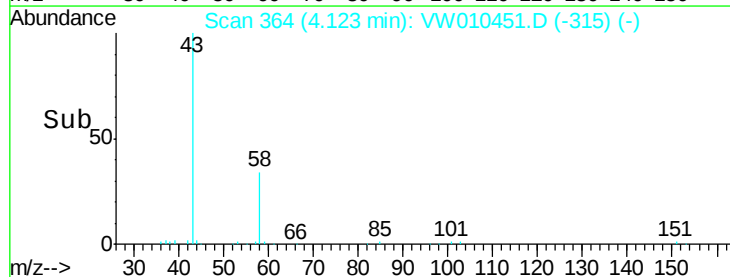
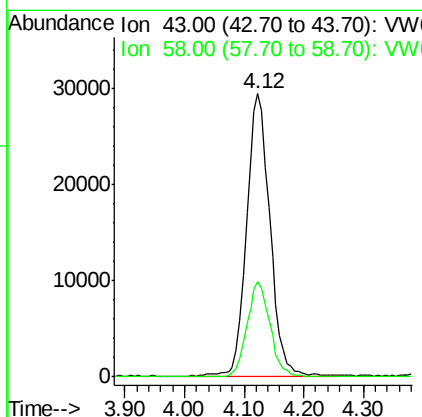
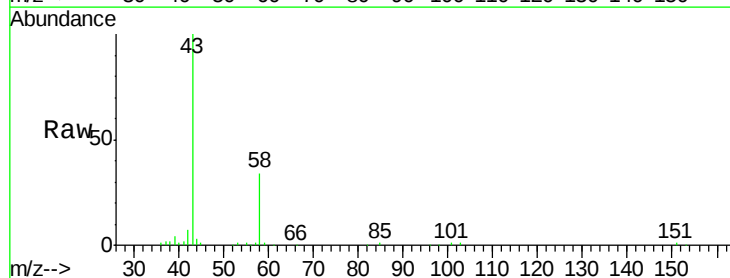
RT: 4.12 min Scan# 364

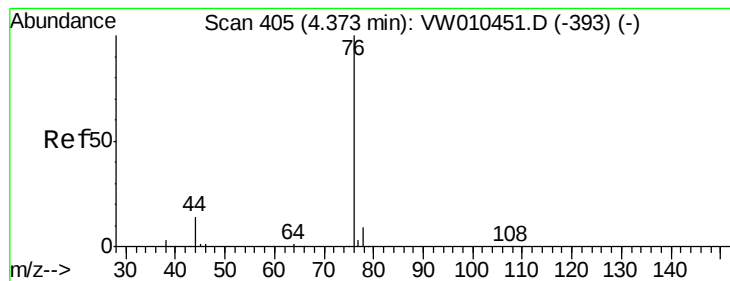
Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 79830 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 33.7  | 27.0  | 40.4  |





#17

Carbon Disulfide

Concen: 55.148 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 240242

Ion Ratio Lower Upper

76 100

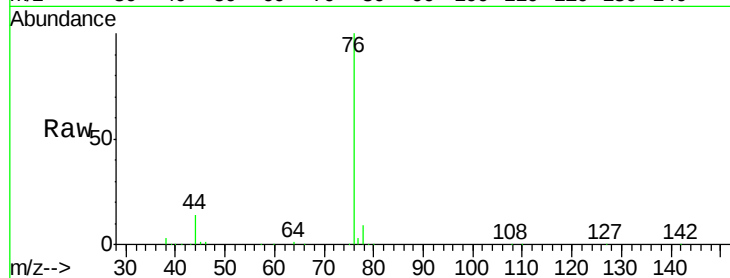
78 8.9 7.1 10.7

Manual Integrations

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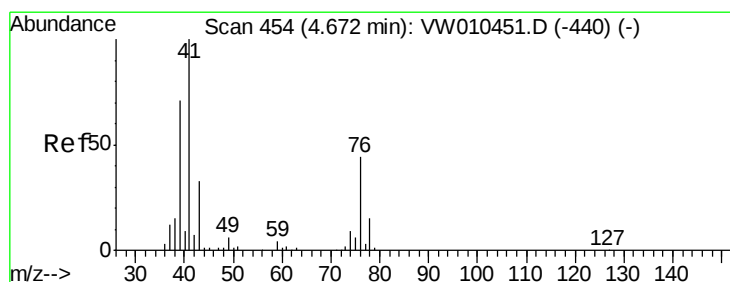
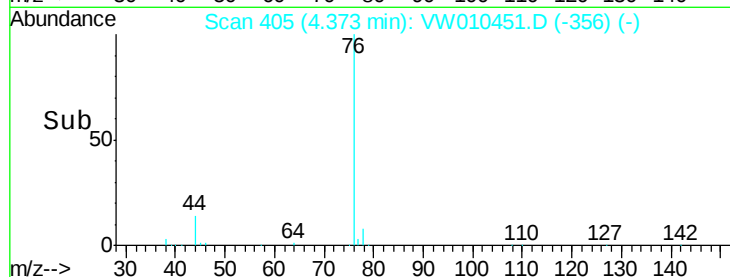
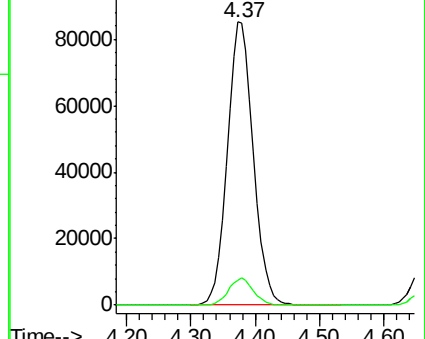
MMDadoda

5/21/2019 11:28:45 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 39.623 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW010451.D

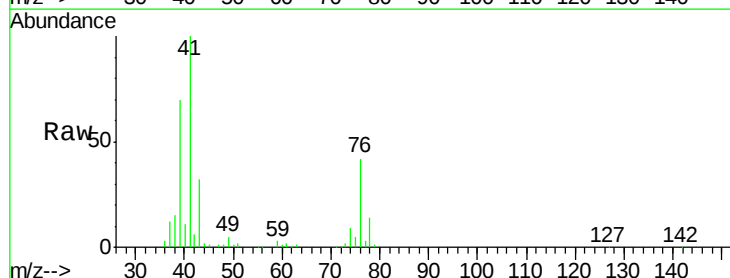
Acq: 20 May 2019 16:28

Tgt Ion: 43 Resp: 34681

Ion Ratio Lower Upper

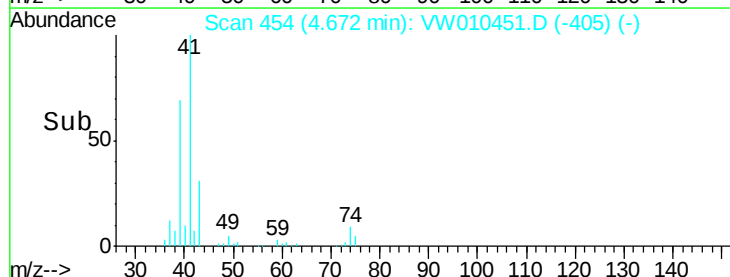
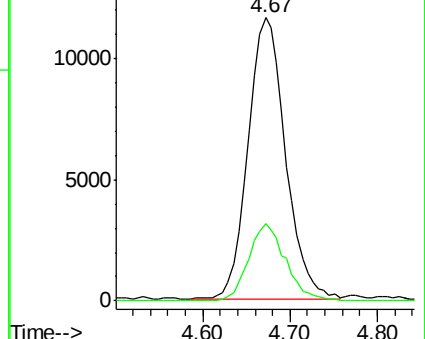
43 100

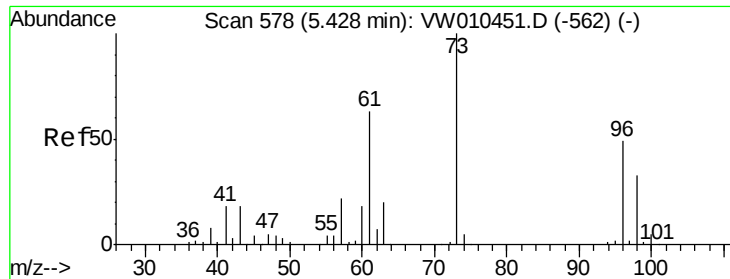
74 27.0 21.6 32.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





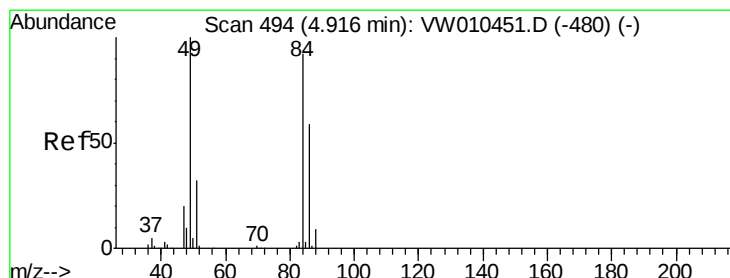
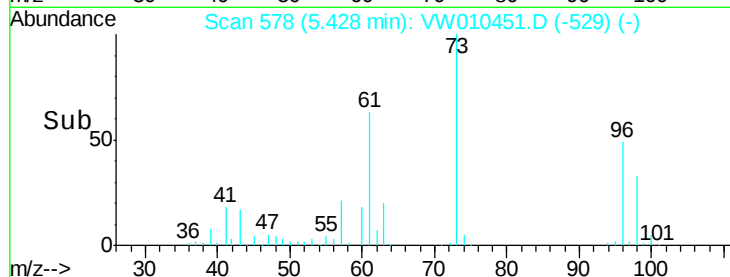
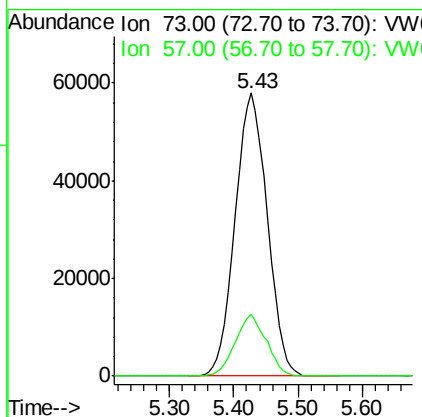
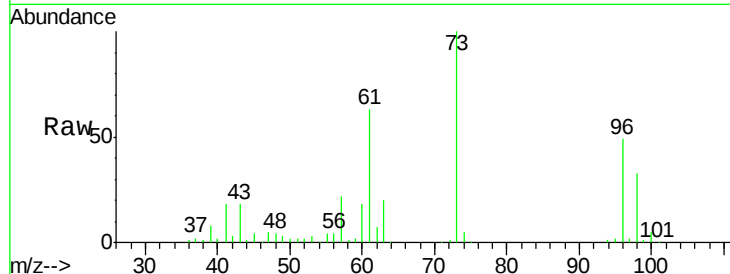
#19  
Methvl tert-butvl Ether  
Concen: 47.605 ug/l  
RT: 5.43 min Scan# 578  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 21.7  | 17.4  | 26.0  |

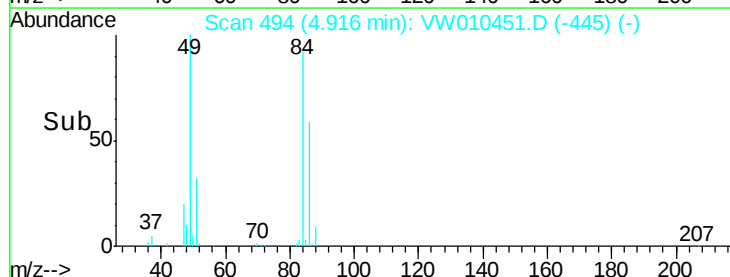
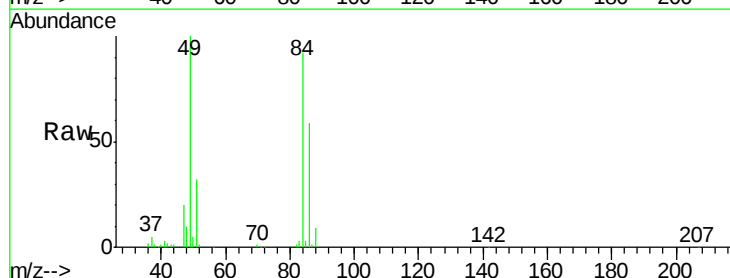
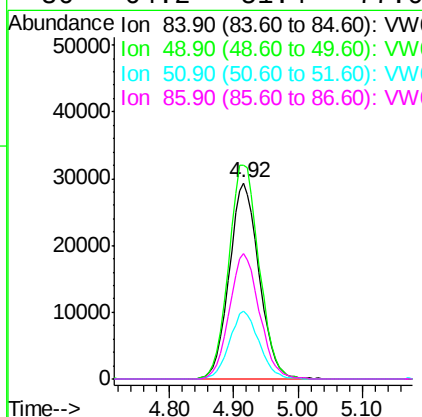
Manual Integrations  
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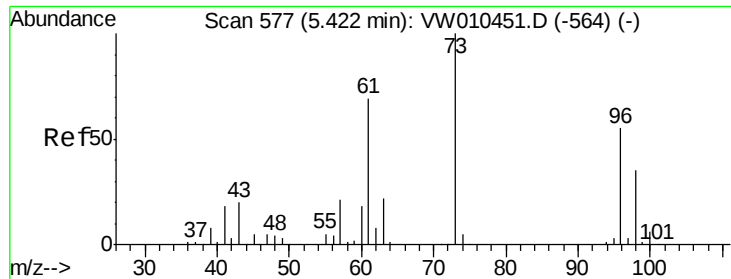
MMDadoda  
5/21/2019 11:28:45 AM



#20  
Methylene Chloride  
Concen: 53.413 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 109.0 | 87.2  | 130.8 |
| 51      | 34.6  | 27.7  | 41.5  |
| 86      | 64.2  | 51.4  | 77.0  |





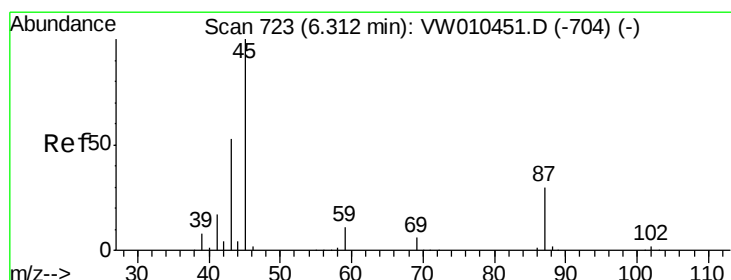
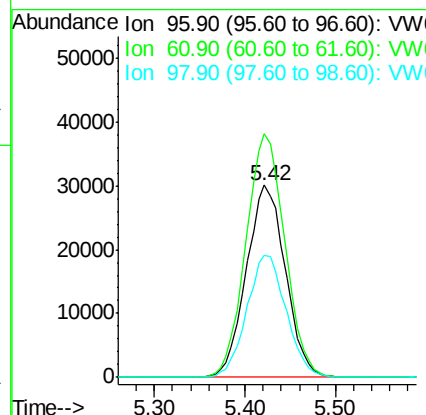
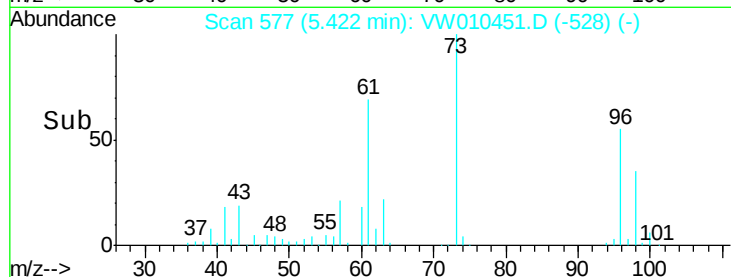
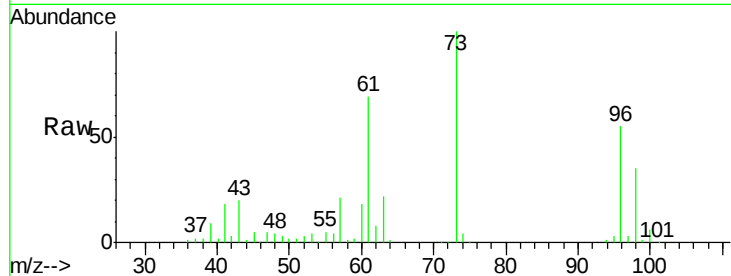
#21  
trans-1,2-Dichloroethene  
Concen: 51.444 ug/l  
RT: 5.42 min Scan# 577  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

Instrument :  
MSVOA\_W  
ClientSampleID :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 126.7 | 101.4 | 152.0 |
| 98      | 63.3  | 50.6  | 76.0  |

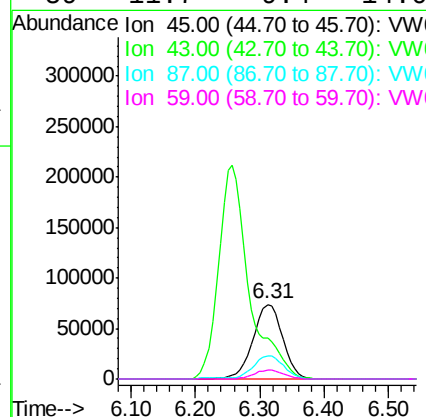
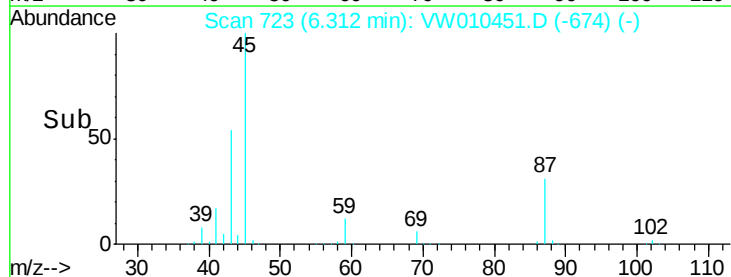
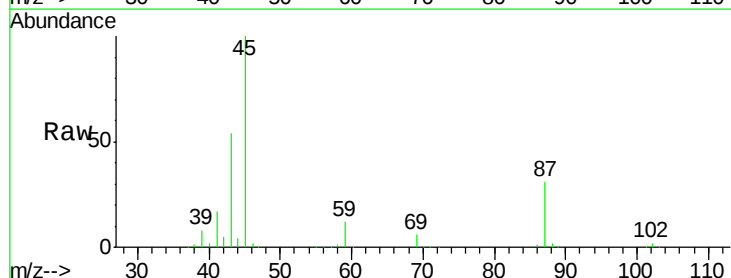
Manual Integrations  
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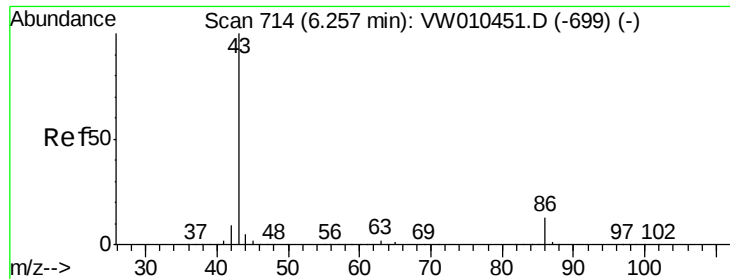
MMDadoda  
5/21/2019 11:28:45 AM



#22  
Diisopropyl ether  
Concen: 47.975 ug/l  
RT: 6.31 min Scan# 723  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 53.6  | 42.9  | 64.3  |
| 87      | 30.7  | 24.6  | 36.8  |
| 59      | 11.7  | 9.4   | 14.0  |





#23

Vinyl Acetate

Concen: 234.327 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 705071

Ion Ratio Lower Upper

43 100

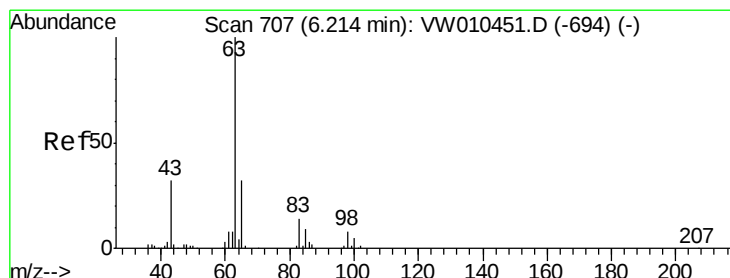
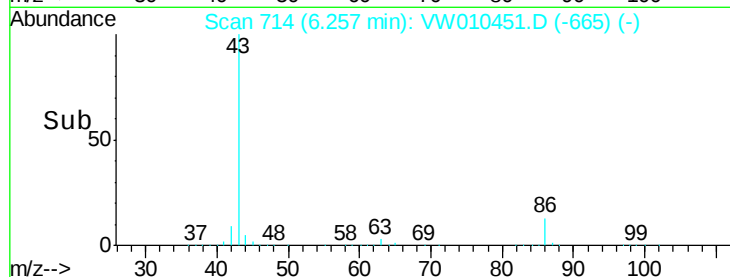
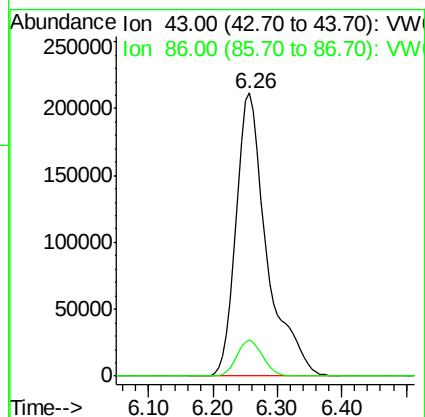
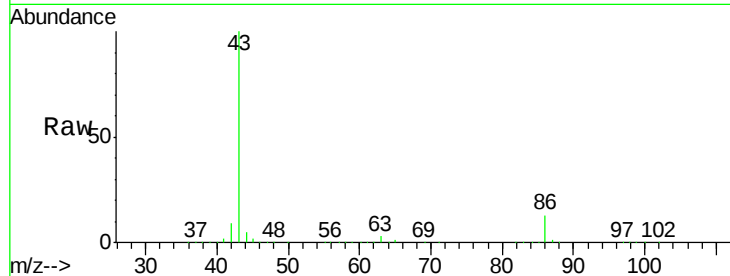
86 12.9 10.3 15.5

Manual Integrations

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5/21/2019 11:28:45 AM



#24

1,1-Dichloroethane

Concen: 49.625 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

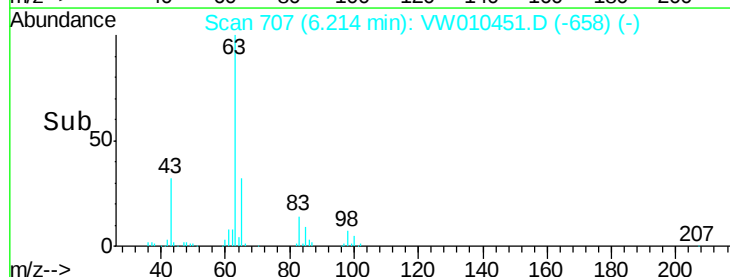
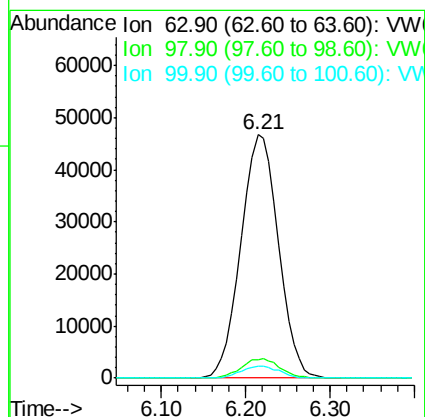
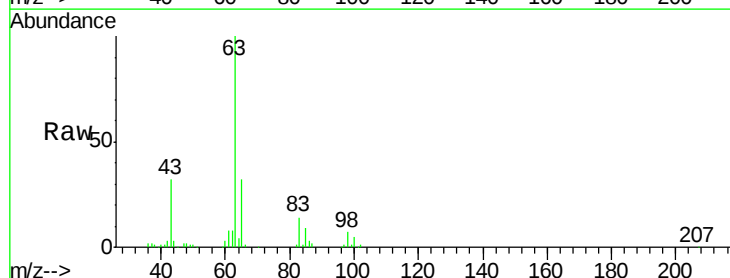
Tgt Ion: 63 Resp: 141081

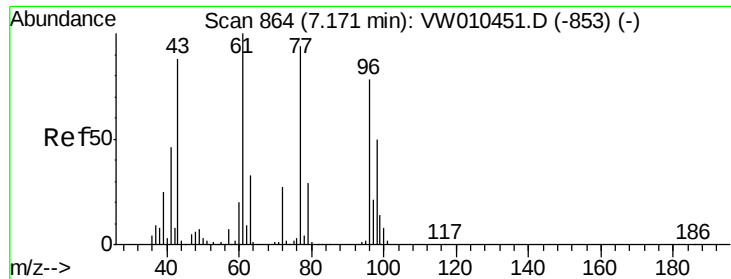
Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.2

100 4.9 2.5 7.4





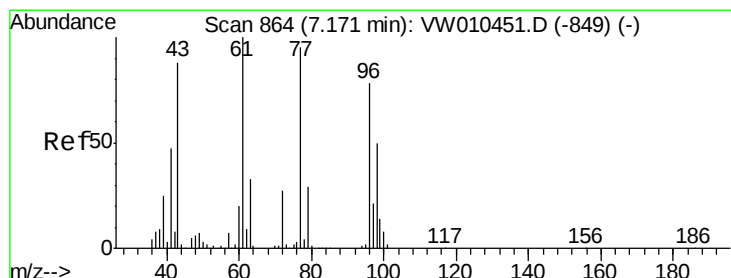
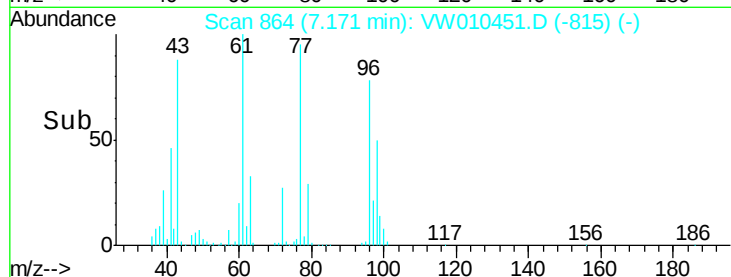
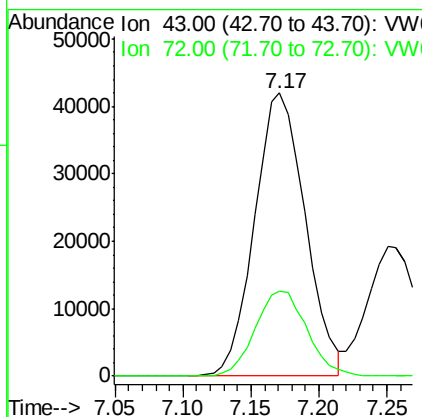
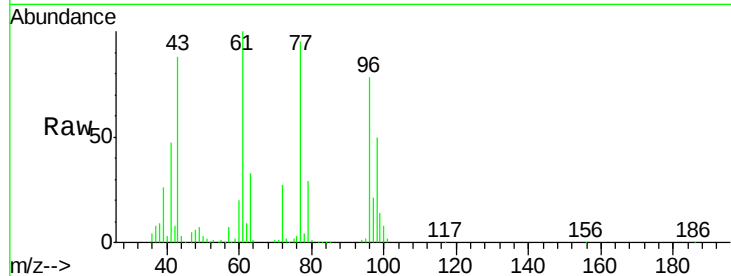
#25  
2-Butanone  
Concen: 227.852 ug/l  
RT: 7.17 min Scan# 864  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

Tot Ion: 43 Resp: 108943  
Ion Ratio Lower Upper  
43 100  
72 30.1 24.1 36.1

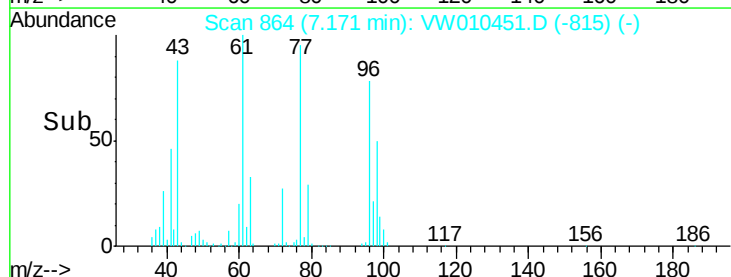
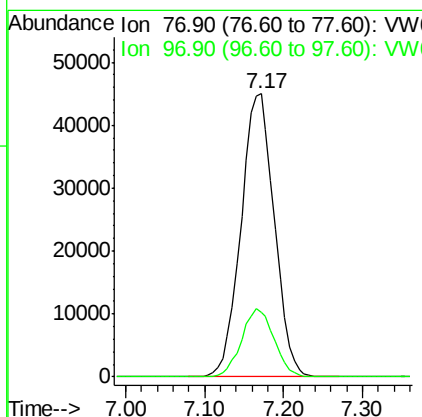
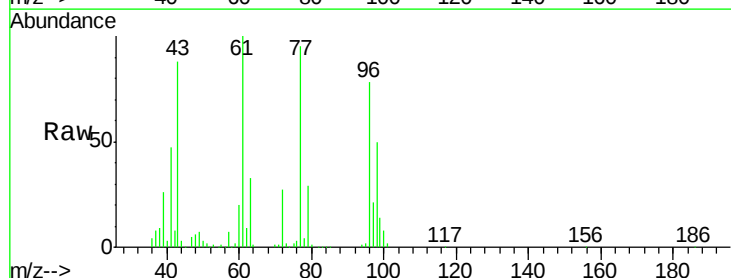
Manual Integrations  
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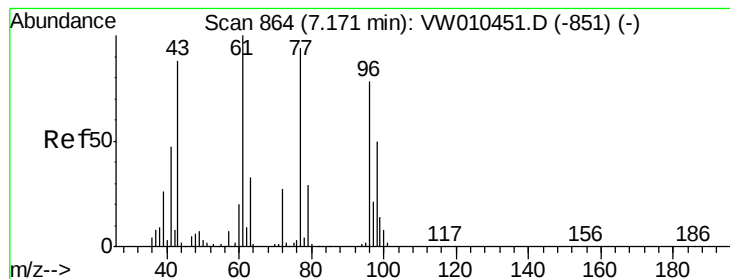
MMDadoda  
5/21/2019 11:28:45 AM



#26  
2,2-Dichloropropane  
Concen: 50.992 ug/l  
RT: 7.17 min Scan# 864  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

Tgt Ion: 77 Resp: 132039  
Ion Ratio Lower Upper  
77 100  
97 23.3 11.7 35.0





#27

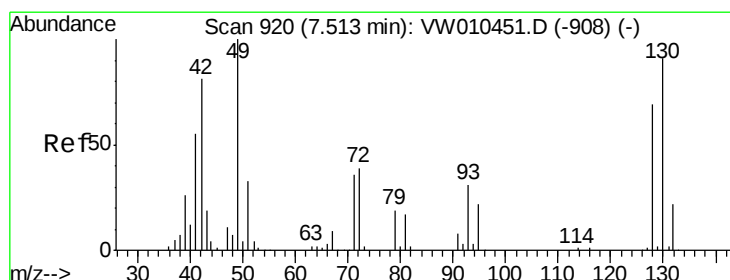
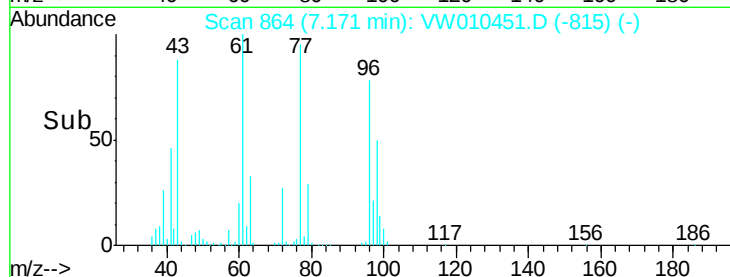
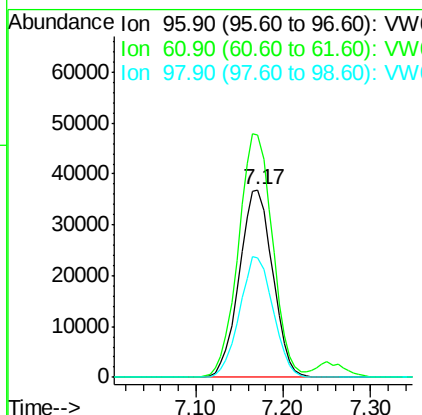
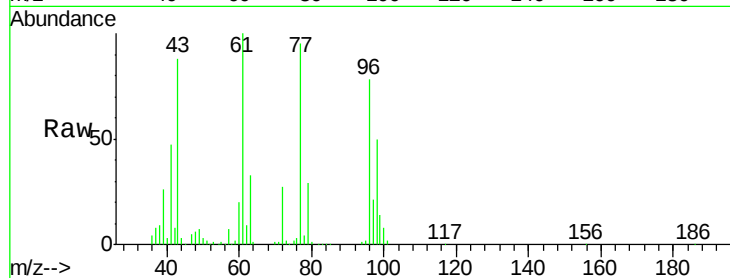
cis-1,2-Dichloroethene  
 Concen: 50.471 ug/l  
 RT: 7.17 min Scan# 864  
 Delta R.T. 0.00 min  
 Lab File: VW010451.D  
 Acq: 20 May 2019 16:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 132.7 | 0.0   | 265.4 |
| 98      | 64.7  | 0.0   | 129.4 |

Manual Integrations  
 APPROVED

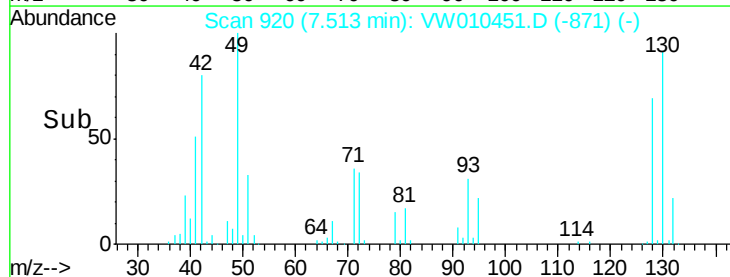
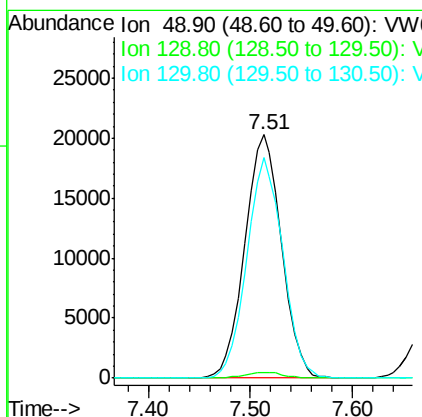
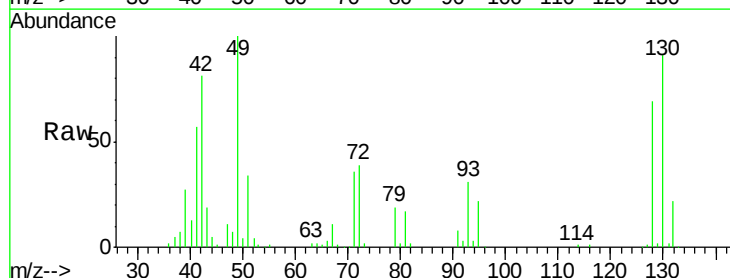
MMDadoda  
 5/21/2019 11:28:45 AM

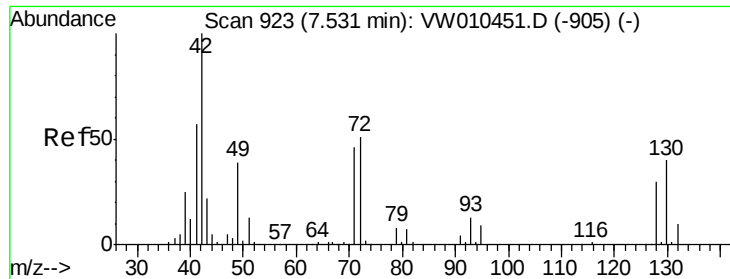


#28

Bromochloromethane  
 Concen: 48.430 ug/l  
 RT: 7.51 min Scan# 920  
 Delta R.T. 0.00 min  
 Lab File: VW010451.D  
 Acq: 20 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.4   | 0.0   | 4.8   |
| 130     | 89.0  | 71.2  | 106.8 |





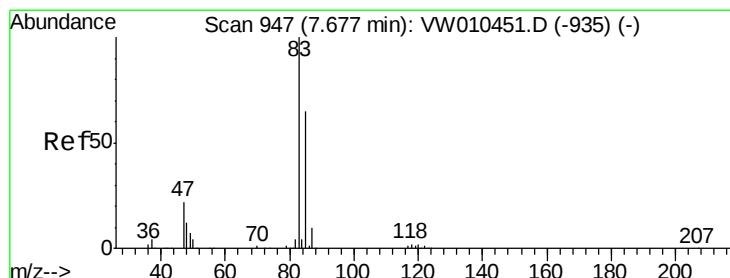
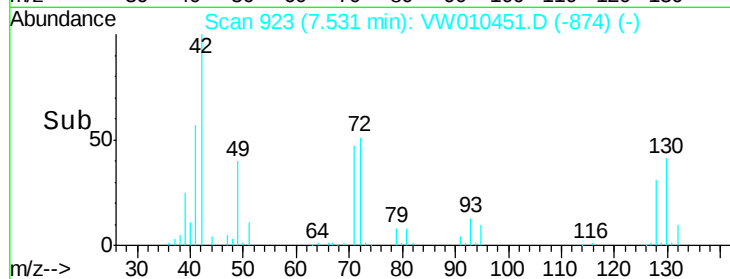
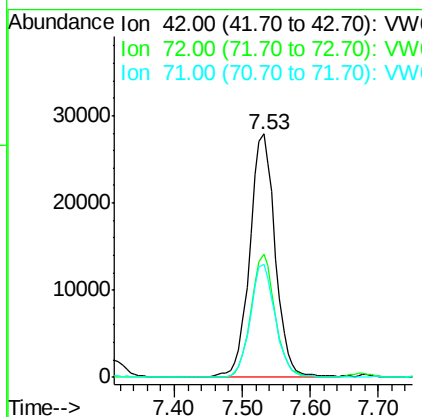
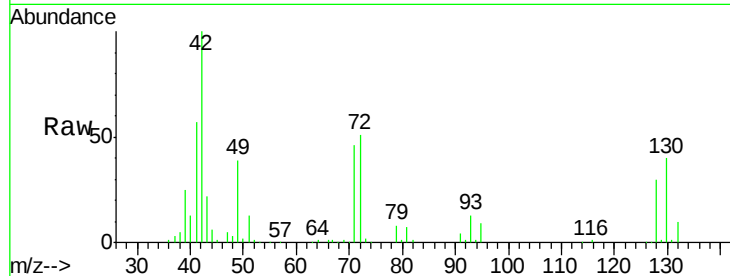
#29  
Tetrahydrofuran  
Concen: 225.158 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 48.1  | 38.5  | 57.7  |
| 71      | 45.6  | 36.5  | 54.7  |

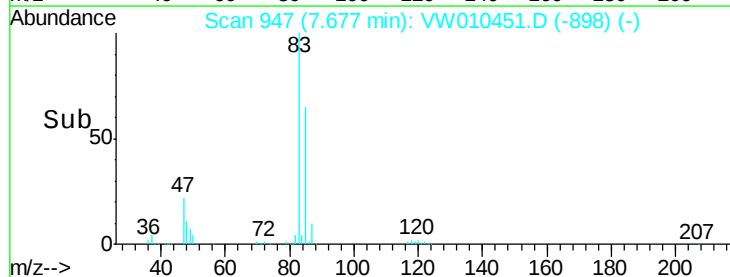
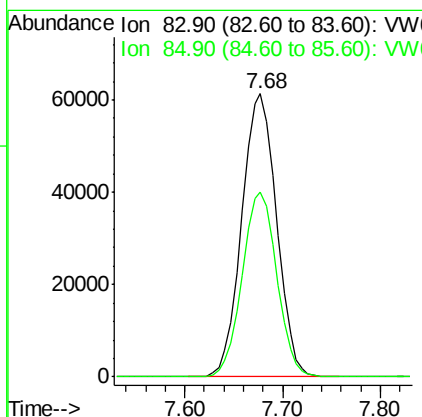
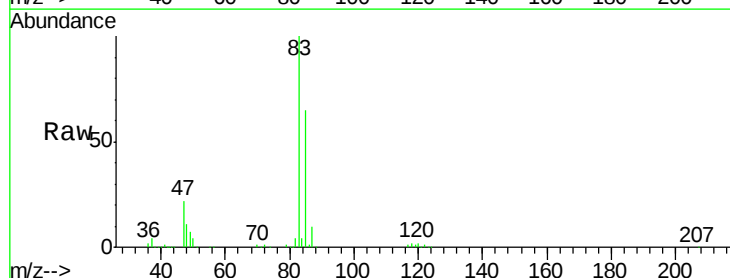
Manual Integrations  
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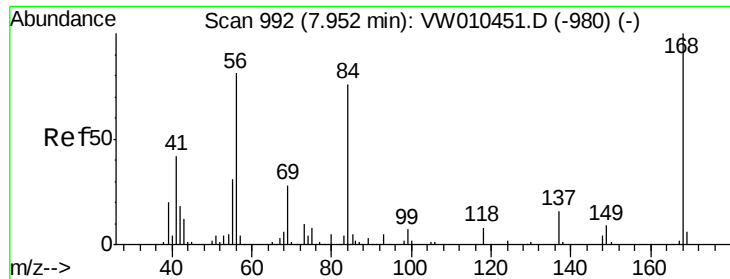
MMDadoda  
5/21/2019 11:28:45 AM



#30  
Chloroform  
Concen: 50.651 ug/l  
RT: 7.68 min Scan# 947  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.3  | 52.2  | 78.4  |





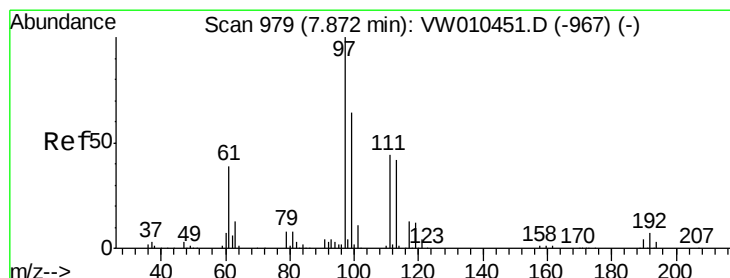
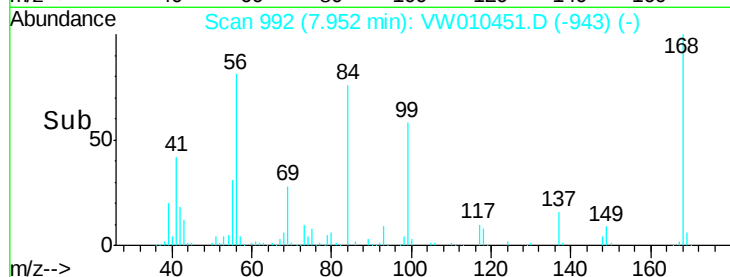
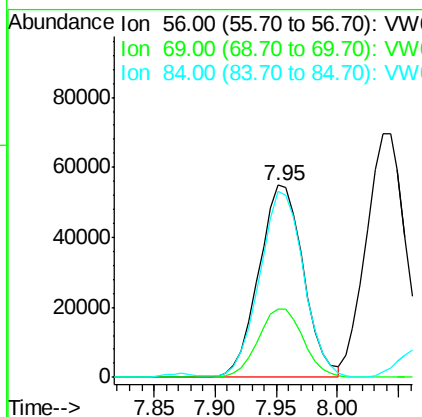
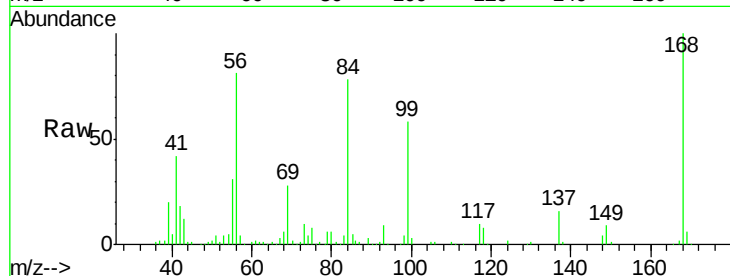
#31  
Cyclohexane  
Concen: 48.648 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 35.2  | 28.2  | 42.2  |
| 84      | 94.8  | 75.8  | 113.8 |

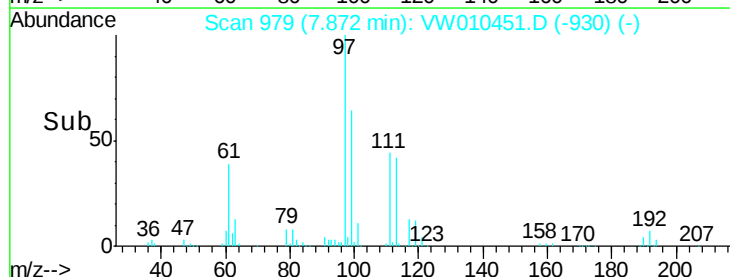
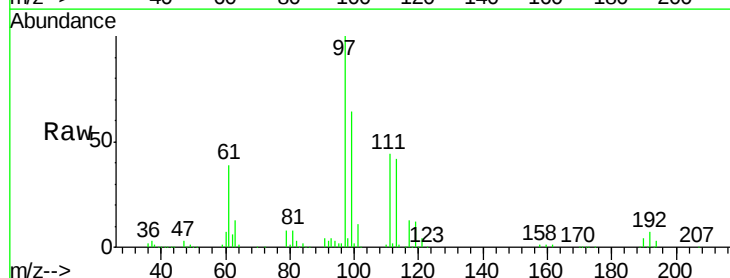
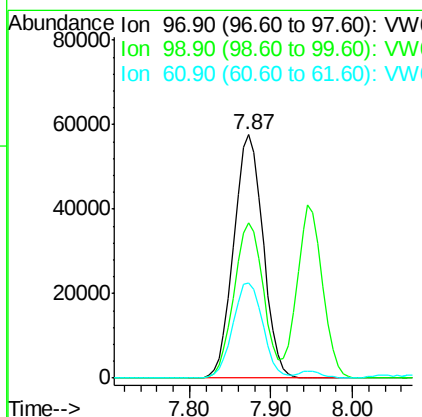
Manual Integrations  
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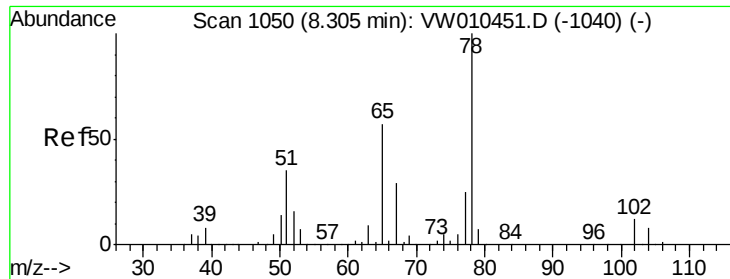
MMDadoda  
5/21/2019 11:28:45 AM



#32  
1,1,1-Trichloroethane  
Concen: 50.709 ug/l  
RT: 7.87 min Scan# 979  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.5  | 50.8  | 76.2  |
| 61      | 40.1  | 32.1  | 48.1  |





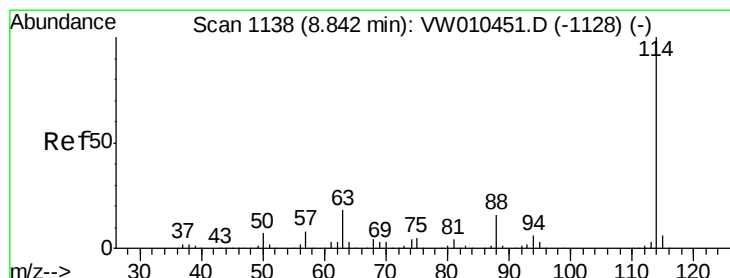
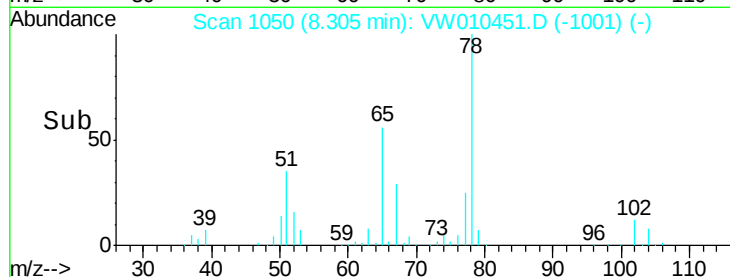
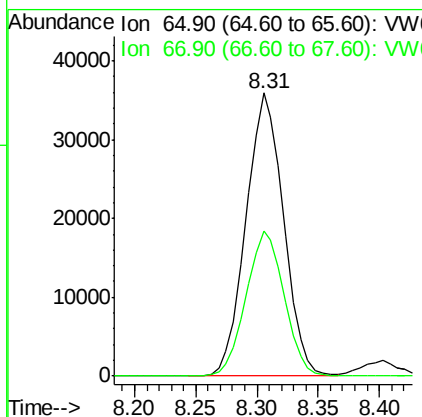
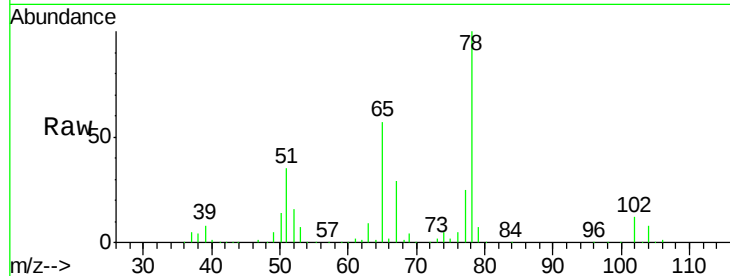
#33  
 1,2-Dichloroethane-d4  
 Concen: 48.227 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW010451.D  
 Acq: 20 May 2019 16:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 51.8  | 0.0   | 103.6 |

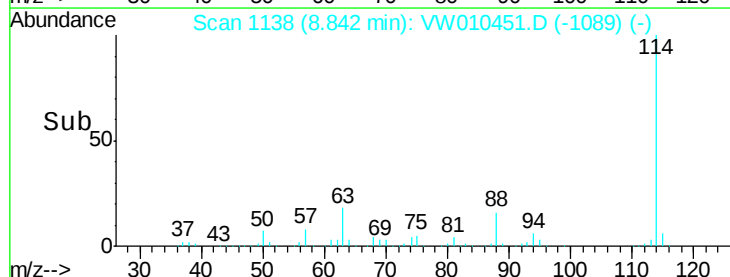
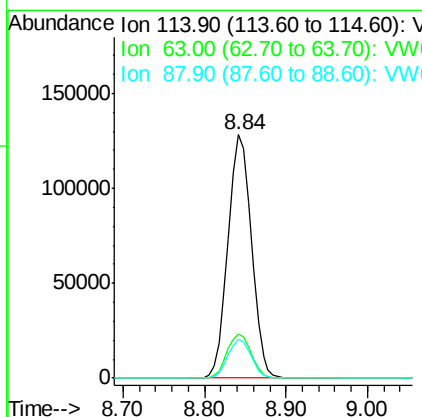
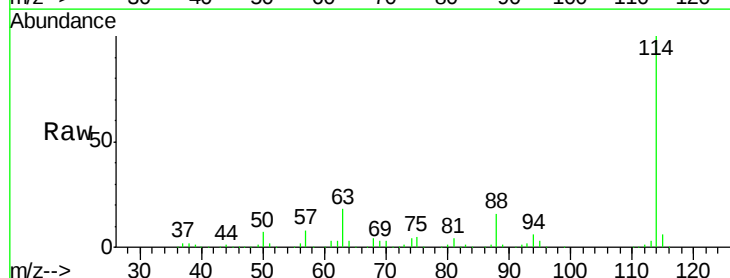
Manual Integrations  
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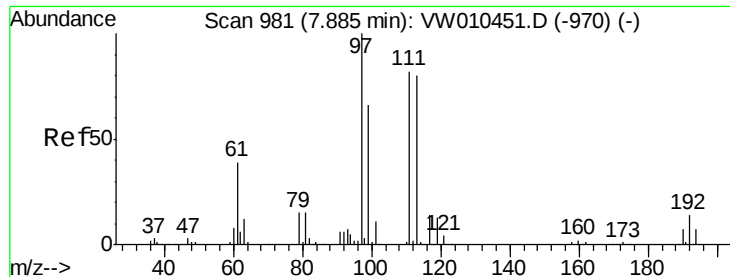
MMDadoda  
 5/21/2019 11:28:45 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW010451.D  
 Acq: 20 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 18.0  | 0.0   | 36.0  |
| 88      | 16.0  | 0.0   | 32.0  |





#35

Dibromofluoromethane

Concen: 50.601 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA\_W

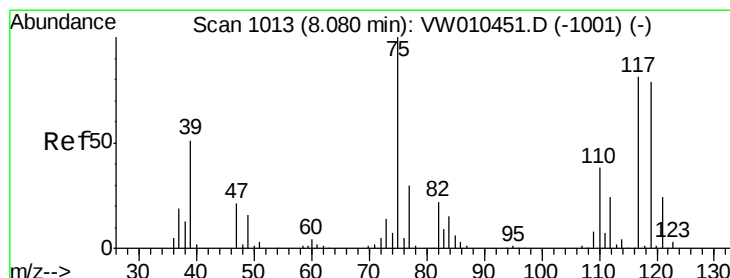
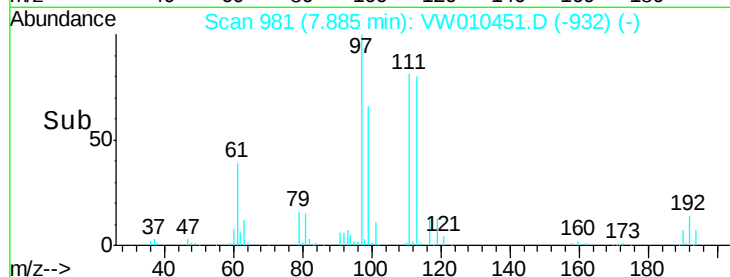
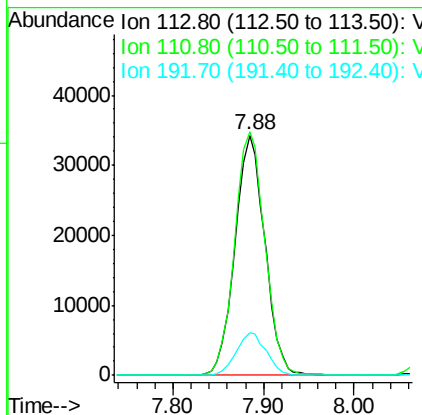
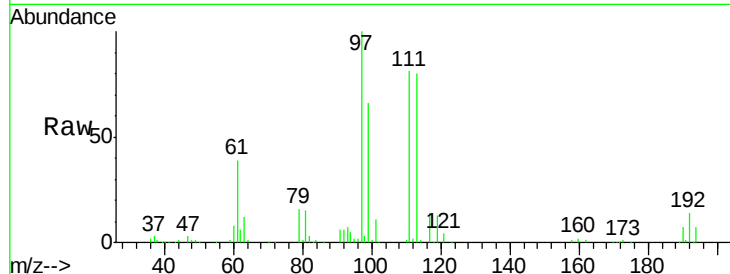
ClientSampleId :

VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.8 | 82.2  | 123.4 |
| 192     | 17.9  | 14.3  | 21.5  |

Manual Integrations  
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5/21/2019 11:28:45 AM



#36

1,1-Dichloropropene

Concen: 52.266 ug/l

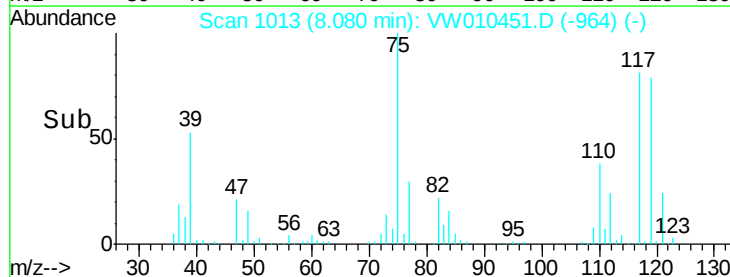
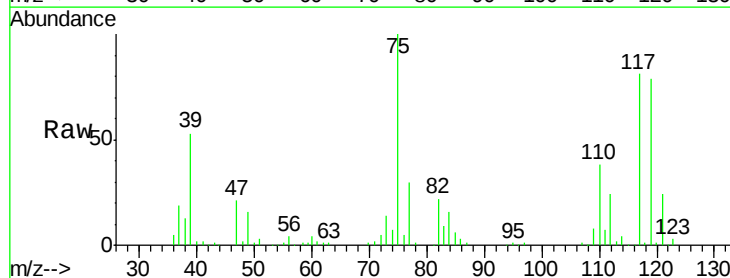
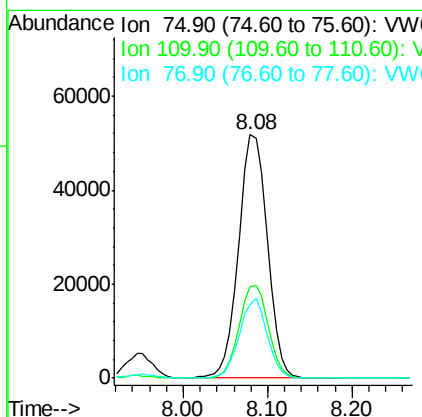
RT: 8.08 min Scan# 1013

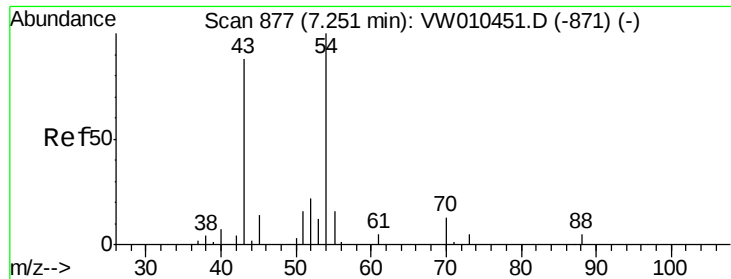
Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 38.4  | 19.2  | 57.6  |
| 77      | 31.5  | 25.2  | 37.8  |





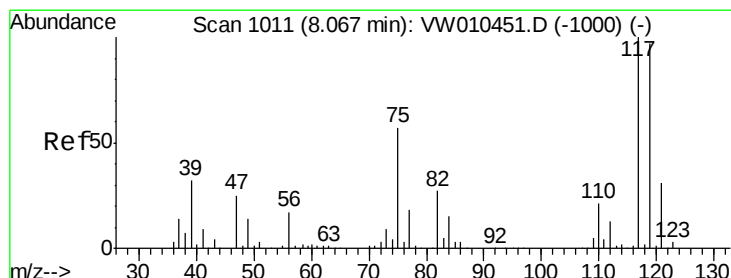
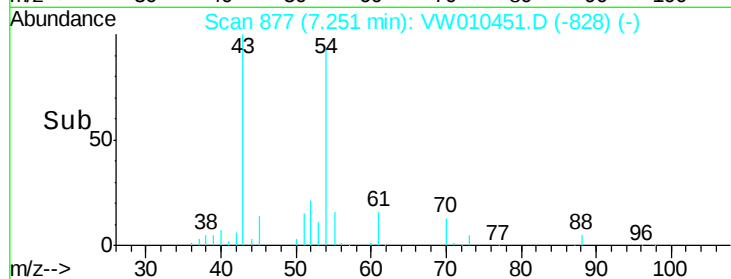
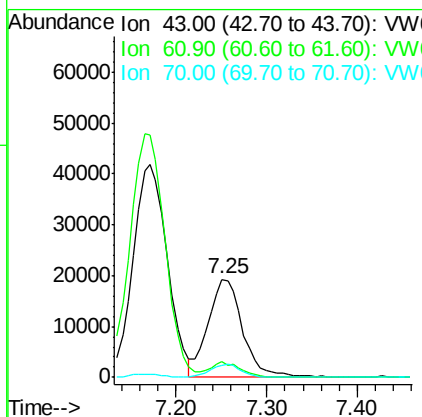
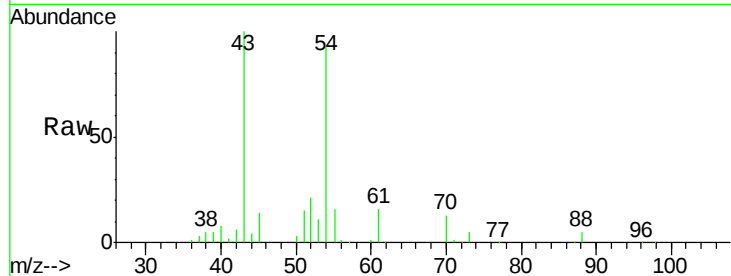
#37  
Ethyl Acetate  
Concen: 47.246 ug/l  
RT: 7.25 min Scan# 877  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.0  | 11.2  | 16.8  |
| 70      | 12.4  | 9.9   | 14.9  |

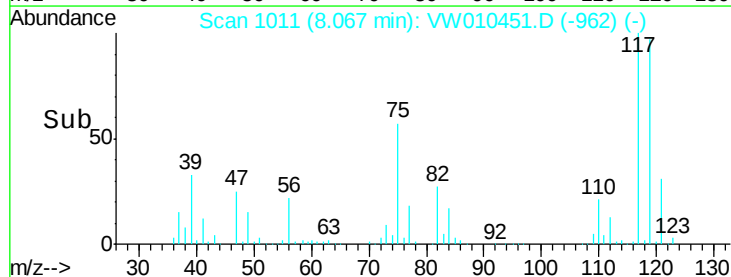
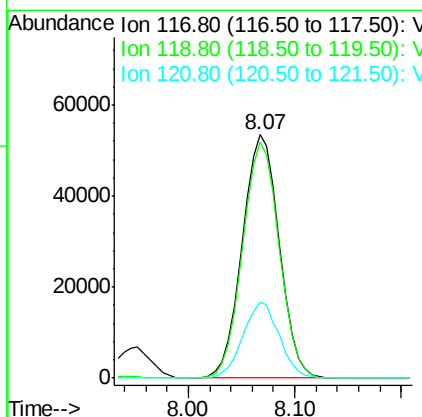
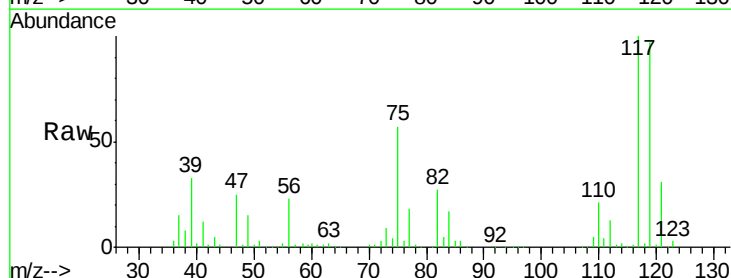
Manual Integrations  
APPROVED

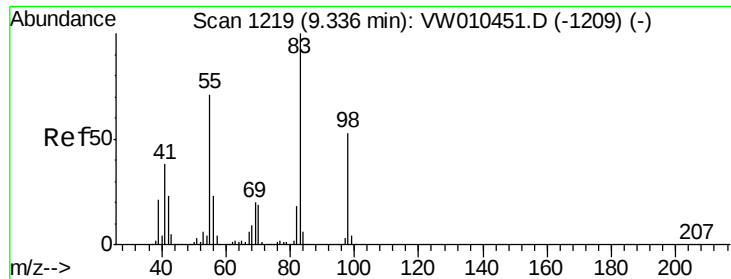
MMDadoda  
5/21/2019 11:28:45 AM



#38  
Carbon Tetrachloride  
Concen: 52.867 ug/l  
RT: 8.07 min Scan# 1011  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.7  | 77.4  | 116.0 |
| 121     | 31.3  | 25.0  | 37.6  |





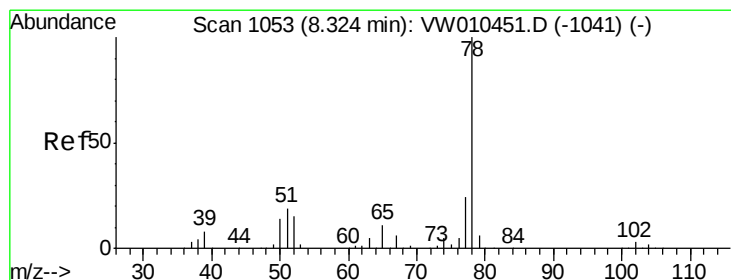
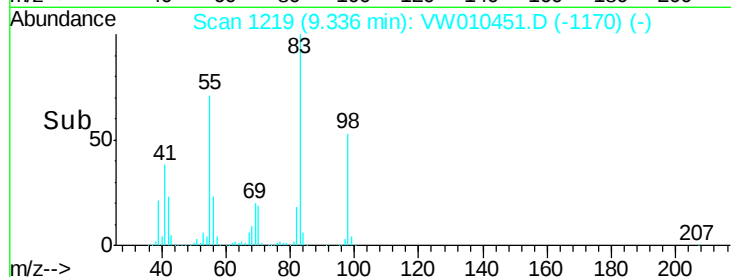
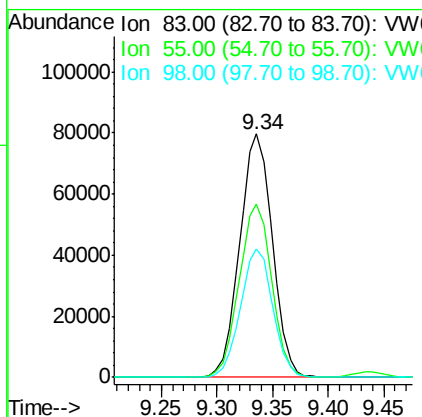
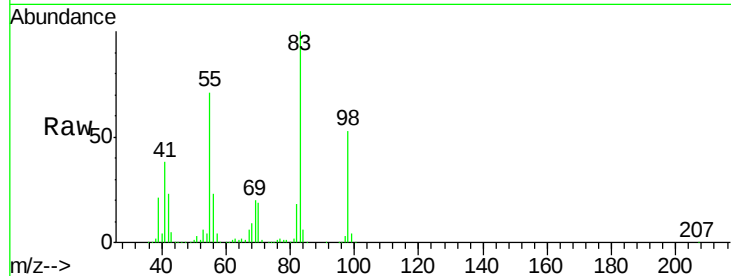
#39  
Methvlcvclohexane  
Concen: 53.045 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 162496 |       |       |
| 55      | 71.3  |        | 57.0  | 85.6  |
| 98      | 52.5  |        | 42.0  | 63.0  |

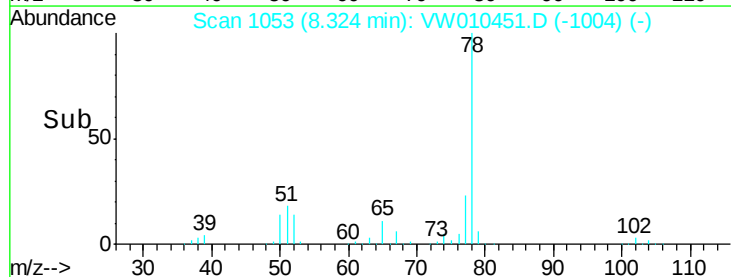
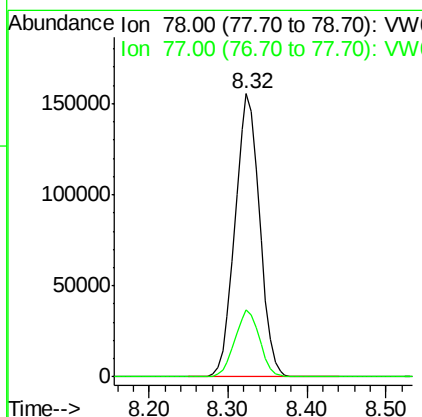
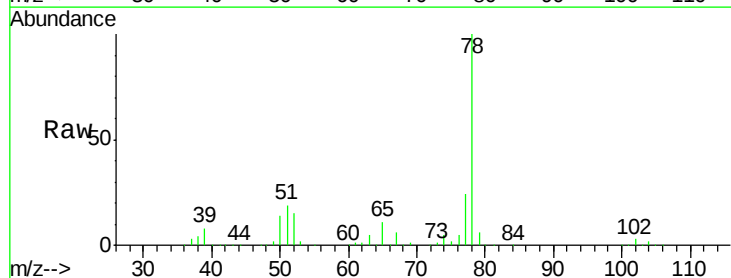
Manual Integrations  
APPROVED

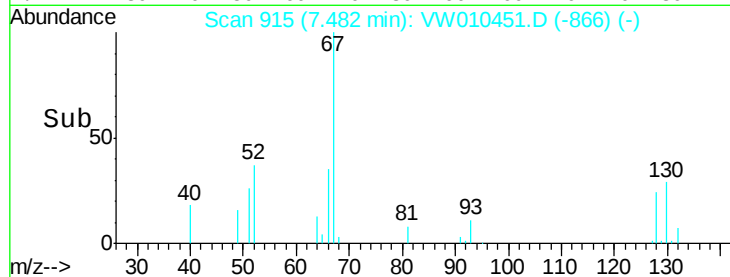
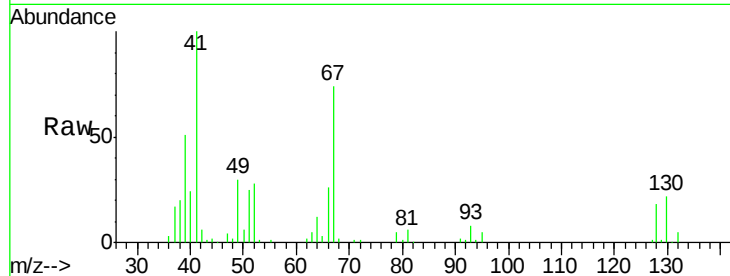
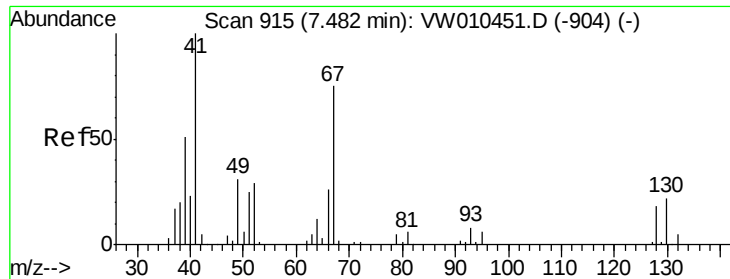
MMDadoda  
5/21/2019 11:28:45 AM



#40  
Benzene  
Concen: 51.752 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 336743 |       |       |
| 77      | 23.6  |        | 18.9  | 28.3  |





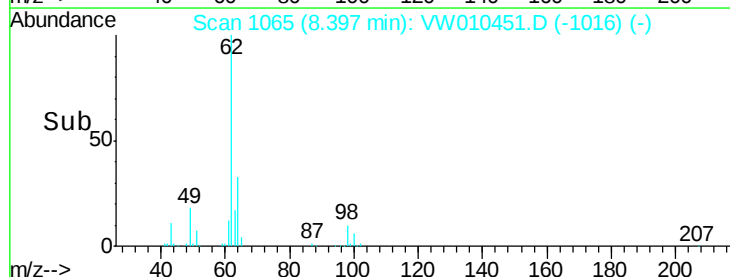
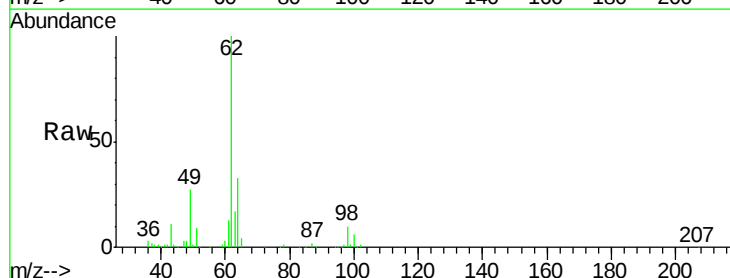
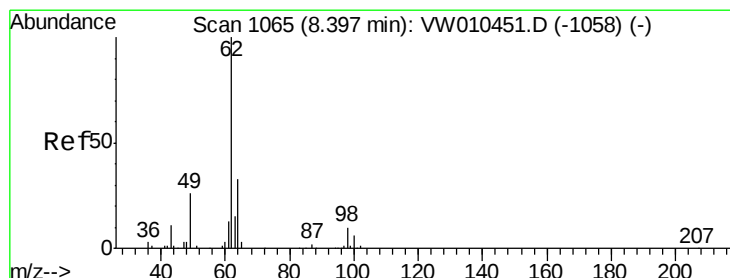
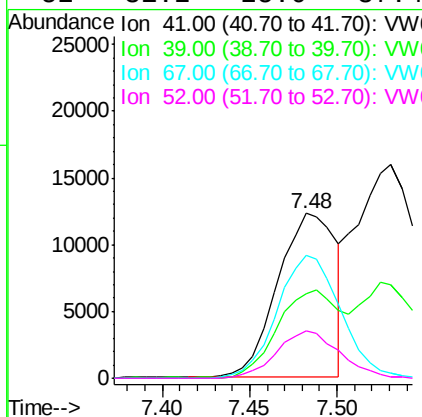
#41  
Methacrylonitrile  
Concen: 45.614 ug/l  
RT: 7.48 min Scan# 915  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

| Tot Ion   | 41    | Resp  | 28409 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 39        | 59.3  | 47.4  | 71.2  |
| 67        | 81.9  | 65.5  | 98.3  |
| 52        | 31.2  | 25.0  | 37.4  |

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

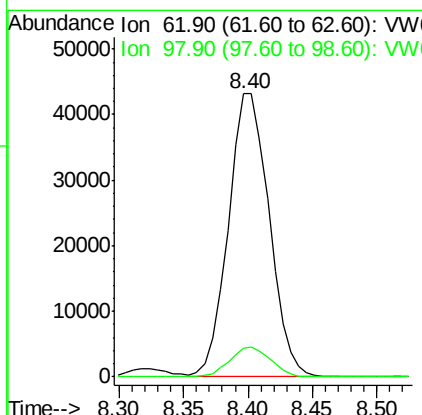
Manual Integrations  
APPROVED

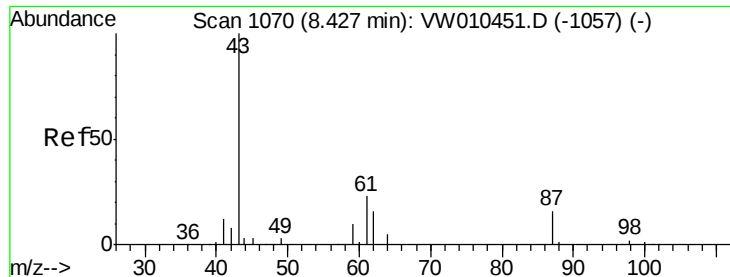
MMDadoda  
5/21/2019 11:28:45 AM



#42  
1,2-Dichloroethane  
Concen: 49.635 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

| Tgt Ion   | 62    | Resp  | 95193 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 62        | 100   |       |       |
| 98        | 10.5  | 0.0   | 21.0  |





#43

Isopropyl Acetate

Concen: 46.251 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA\_W

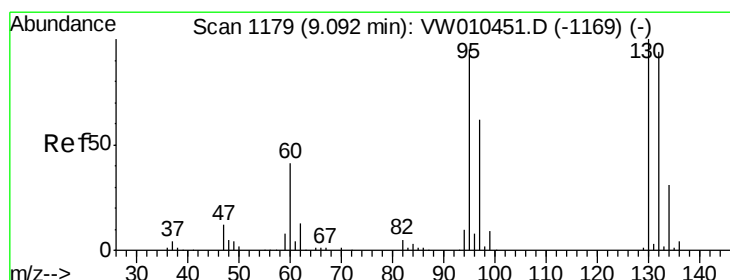
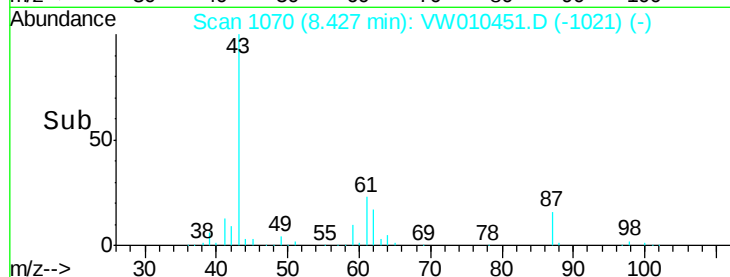
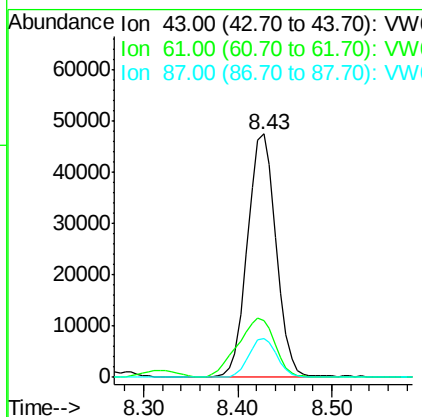
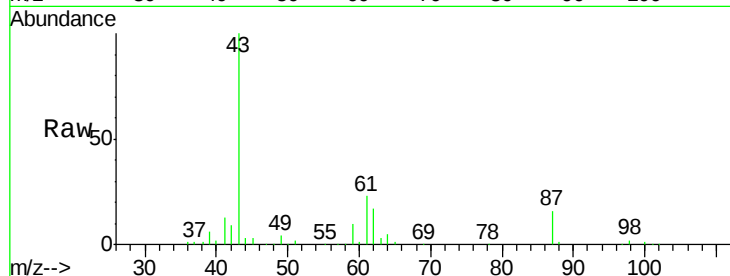
ClientSampleId :

VSTDICCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 100092 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 31.8  | 25.4  | 38.2   |
| 87       | 15.9  | 12.7  | 19.1   |

Manual Integrations  
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MMDadoda  
5/21/2019 11:28:45 AM



#44

Trichloroethene

Concen: 53.329 ug/l

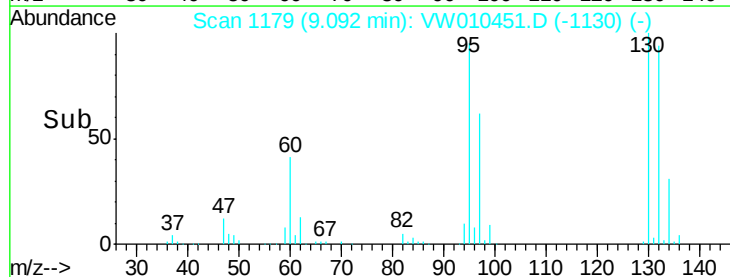
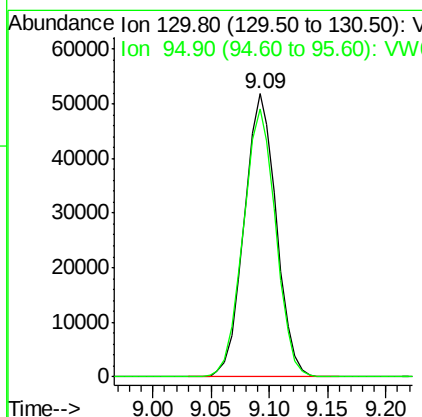
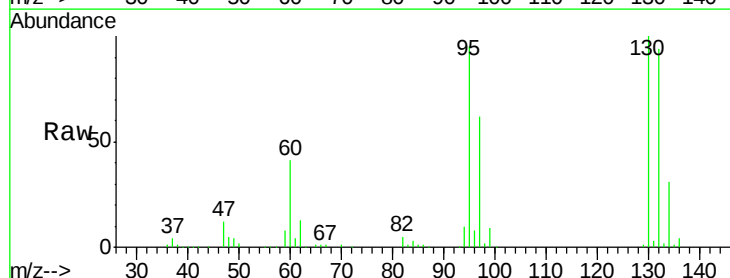
RT: 9.09 min Scan# 1179

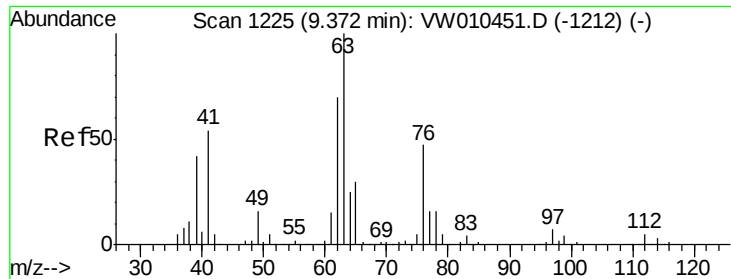
Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 99784 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 94.8  | 0.0   | 189.6 |





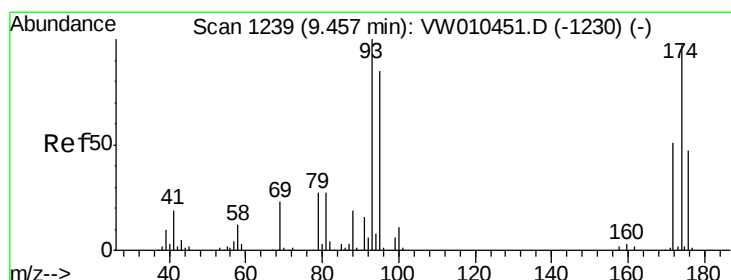
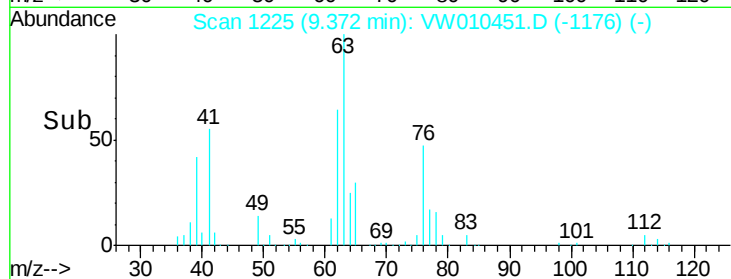
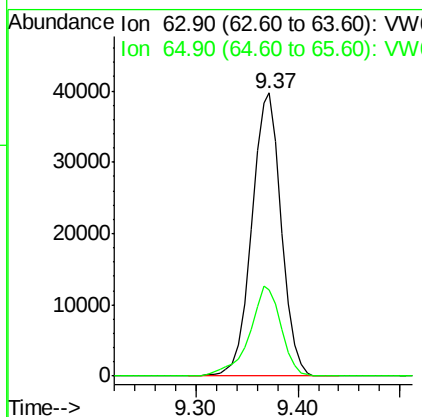
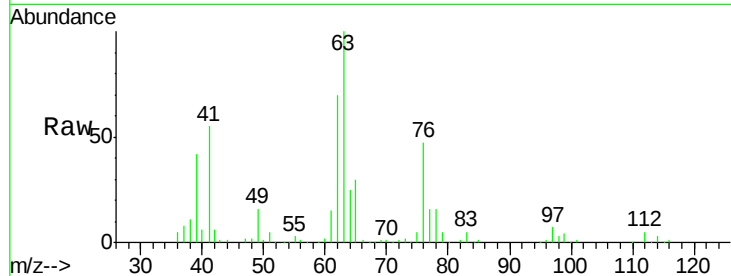
#45  
 1,2-Dichloropropane  
 Concen: 50.559 ug/l  
 RT: 9.37 min Scan# 1225  
 Delta R.T. 0.00 min  
 Lab File: VW010451.D  
 Acq: 20 May 2019 16:28

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDICCC050

Tot Ion: 63 Resp: 79846  
 Ion Ratio Lower Upper  
 63 100  
 65 30.4 24.3 36.5

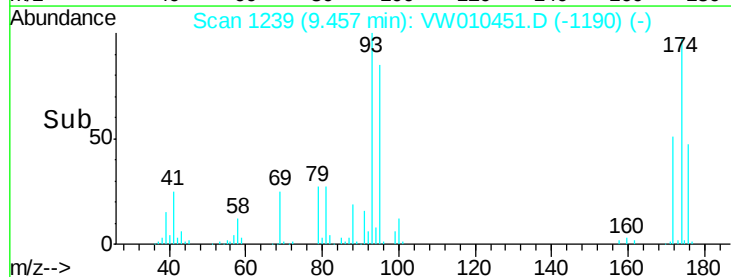
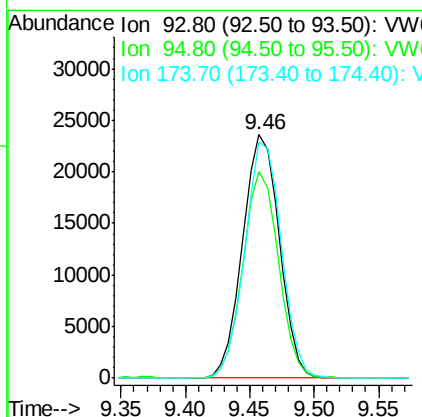
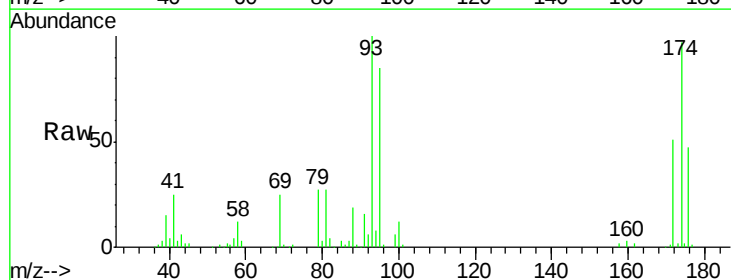
Manual Integrations  
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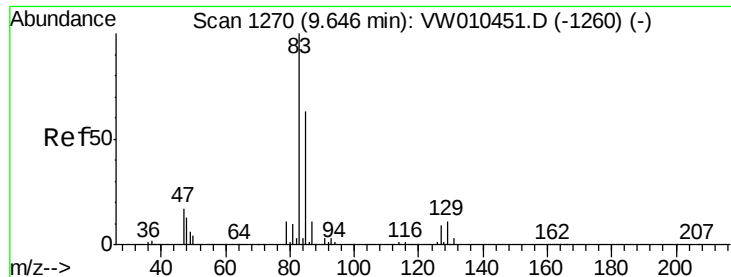
MMDadoda  
 5/21/2019 11:28:45 AM



#46  
 Dibromomethane  
 Concen: 50.137 ug/l  
 RT: 9.46 min Scan# 1239  
 Delta R.T. 0.00 min  
 Lab File: VW010451.D  
 Acq: 20 May 2019 16:28

Tgt Ion: 93 Resp: 46592  
 Ion Ratio Lower Upper  
 93 100  
 95 82.6 66.1 99.1  
 174 96.4 77.1 115.7





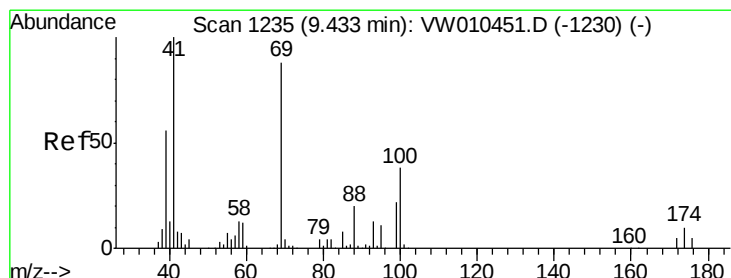
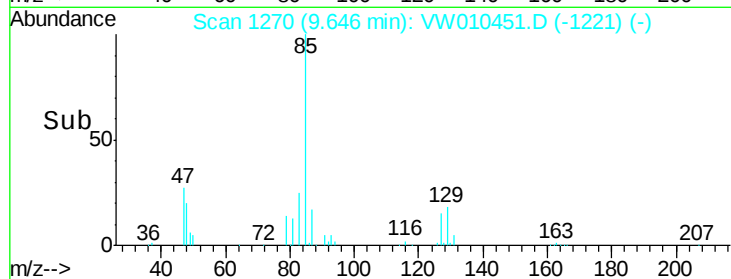
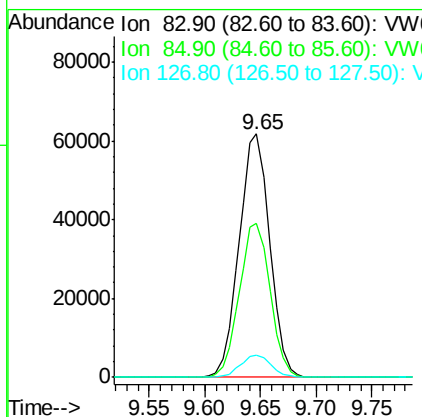
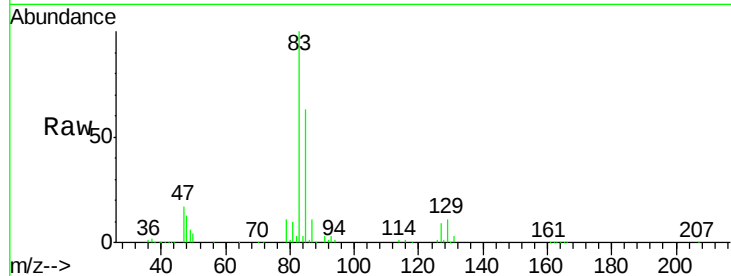
#47  
 Bromodichloromethane  
 Concen: 50.872 ug/l  
 RT: 9.65 min Scan# 1270  
 Delta R.T. 0.00 min  
 Lab File: VW010451.D  
 Acq: 20 May 2019 16:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 118020 |       |       |
| 85      | 63.0  |        | 50.4  | 75.6  |
| 127     | 9.2   |        | 7.4   | 11.0  |

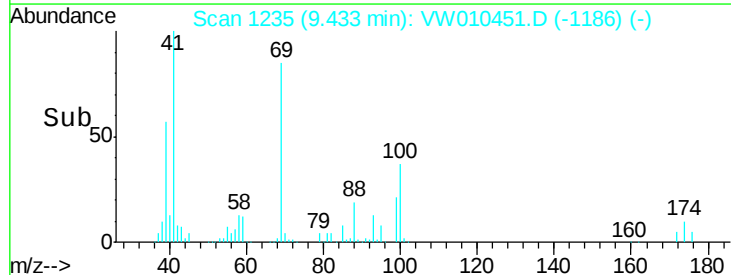
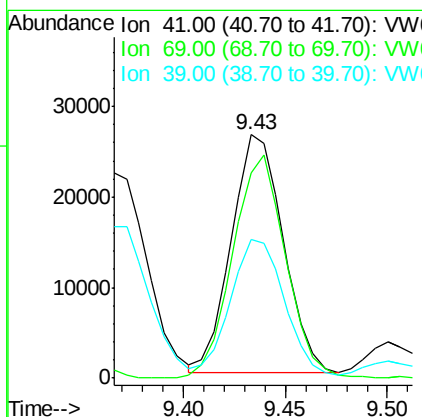
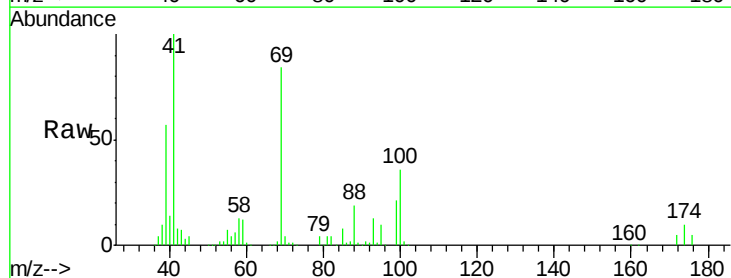
Manual Integrations  
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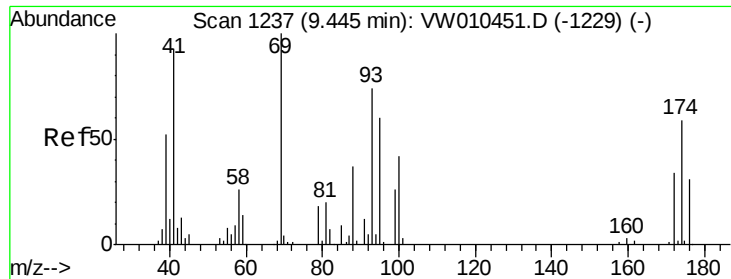
MMDadoda  
 5/21/2019 11:28:45 AM



#48  
 Methyl methacrylate  
 Concen: 46.053 ug/l  
 RT: 9.43 min Scan# 1235  
 Delta R.T. 0.00 min  
 Lab File: VW010451.D  
 Acq: 20 May 2019 16:28

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 41      | 100   | 46067 |       |       |
| 69      | 97.0  |       | 77.6  | 116.4 |
| 39      | 62.3  |       | 49.8  | 74.8  |





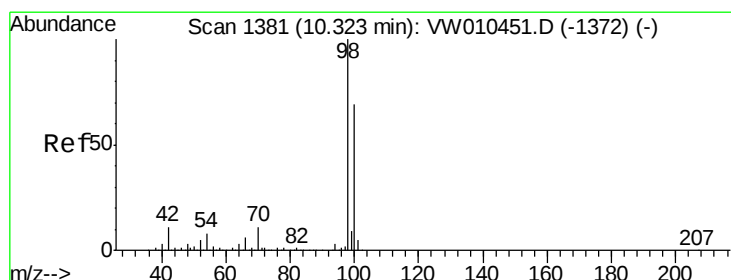
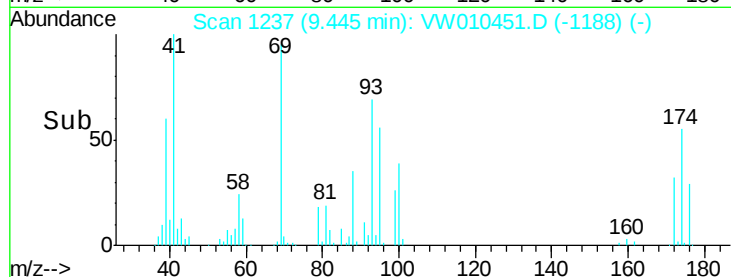
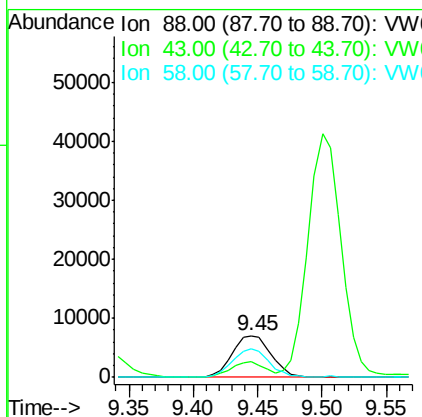
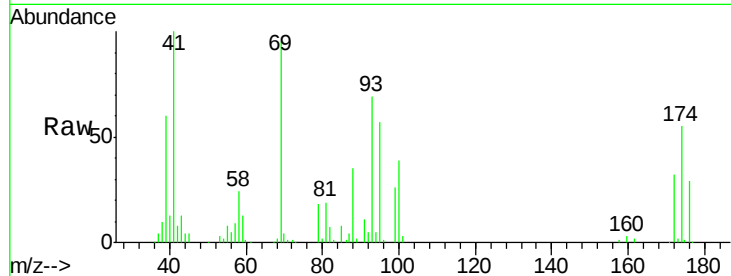
#49  
 1,4-Dioxane  
 Concen: 1064.950 ug/l  
 RT: 9.45 min Scan# 1237  
 Delta R.T. 0.00 min  
 Lab File: VW010451.D  
 Acq: 20 May 2019 16:28

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDICCC050

| Tot Ion | 88    | Resp  | 14649 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 32.4  | 25.9  | 38.9  |
| 58      | 65.9  | 52.7  | 79.1  |

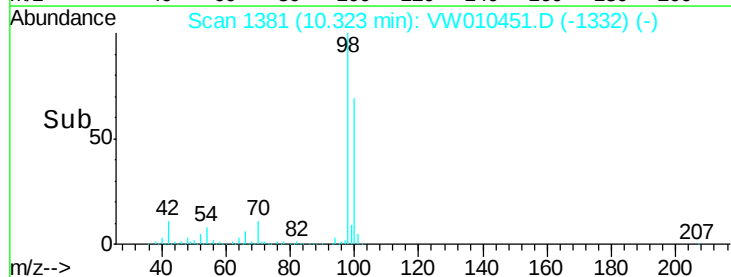
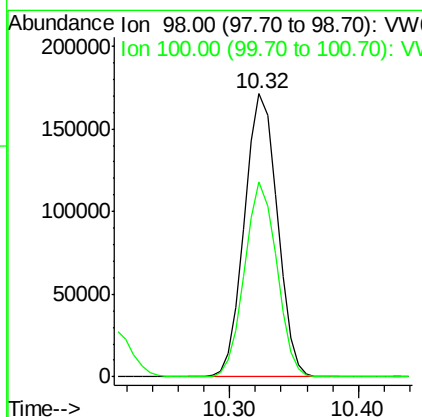
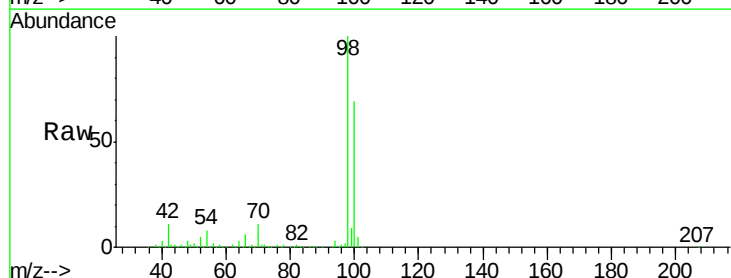
Manual Integrations  
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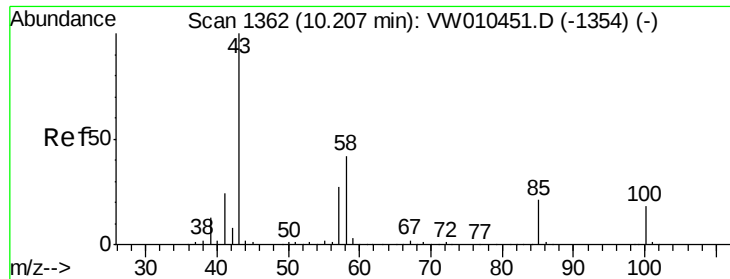
MMDadoda  
 5/21/2019 11:28:45 AM



#50  
 Toluene-d8  
 Concen: 51.995 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. 0.00 min  
 Lab File: VW010451.D  
 Acq: 20 May 2019 16:28

| Tgt Ion | 98    | Resp  | 302764 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 67.1  | 53.7  | 80.5   |





#51

4-Methyl-2-Pentanone

Concen: 229.367 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA\_W

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 254260

Ion Ratio Lower Upper

43 100

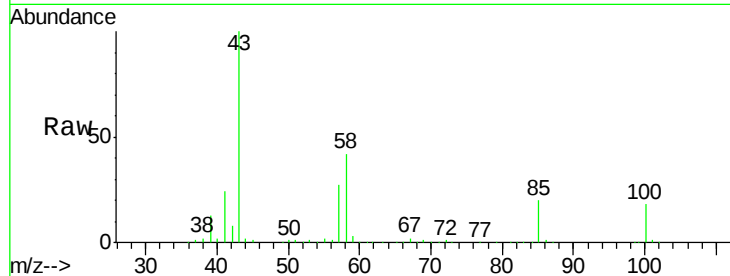
58 41.5 33.2 49.8

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

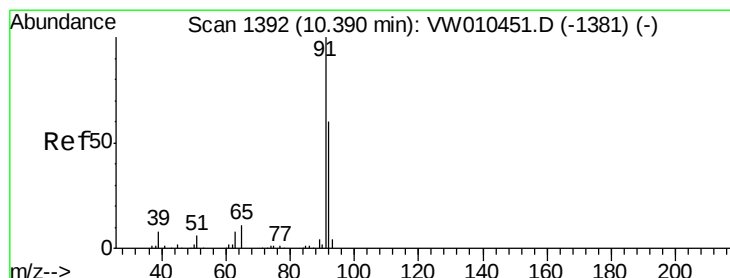
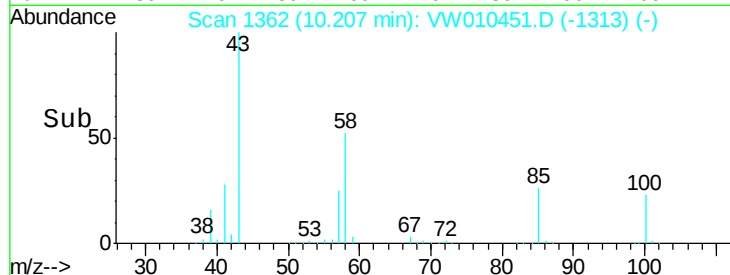
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 51.764 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010451.D

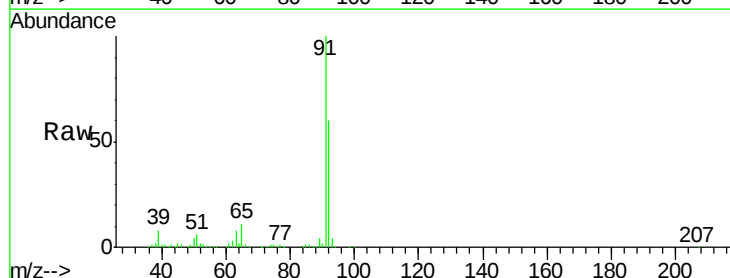
Acq: 20 May 2019 16:28

Tgt Ion: 92 Resp: 223675

Ion Ratio Lower Upper

92 100

91 169.2 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

250000

200000

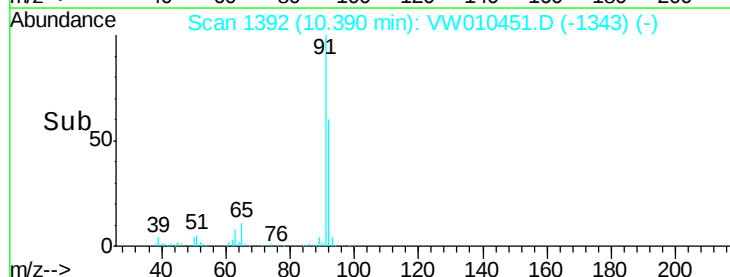
150000

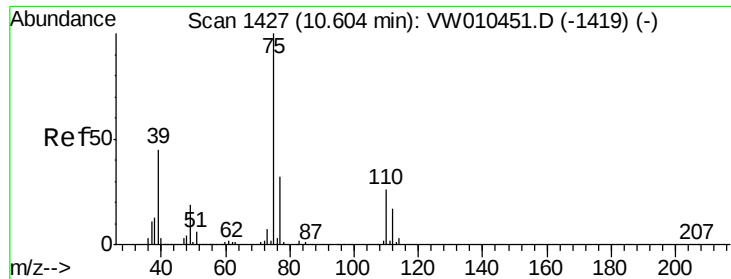
100000

50000

0

Time--> 10.30 10.40 10.50





#53

t-1,3-Dichloropropene

Concen: 49.948 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 119044

Ion Ratio Lower Upper

75 100

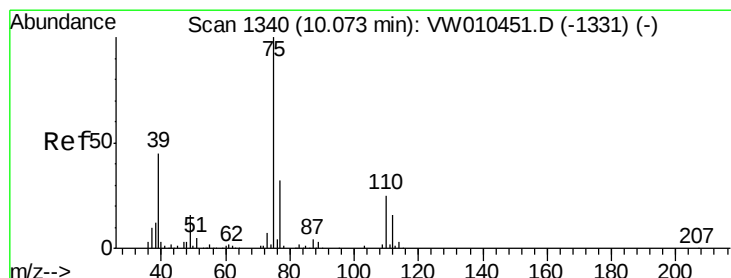
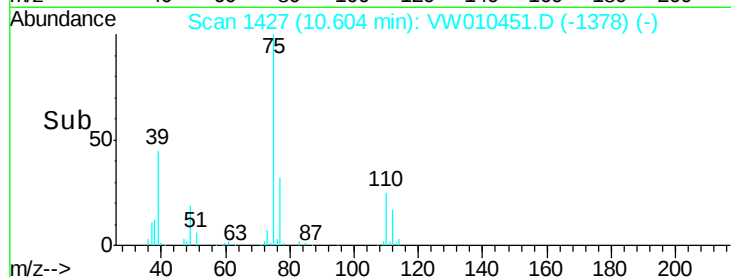
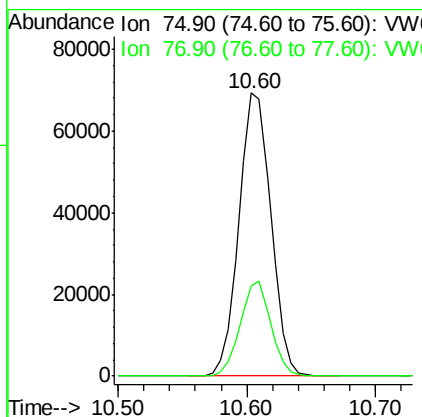
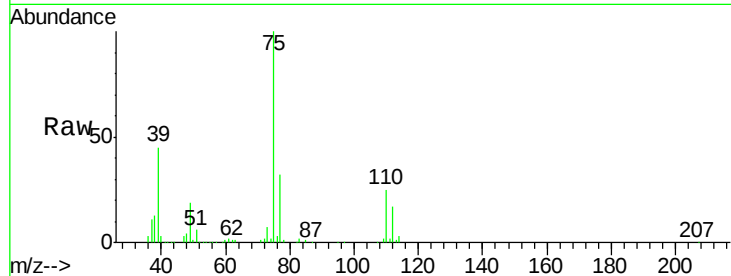
77 31.7 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 50.230 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

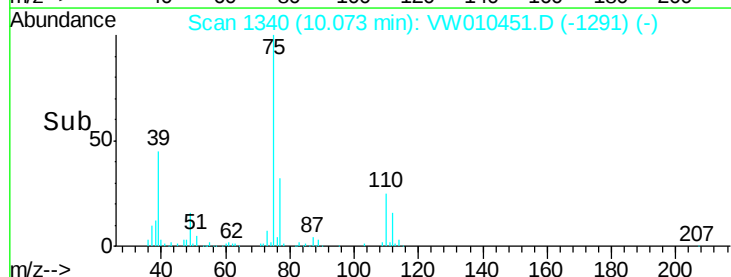
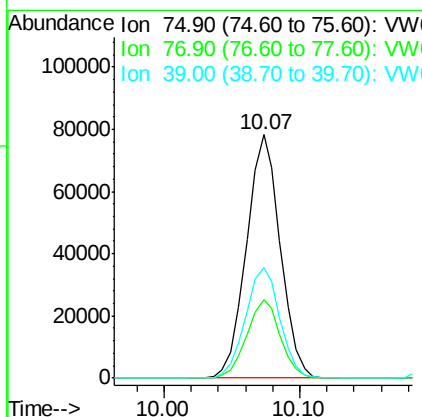
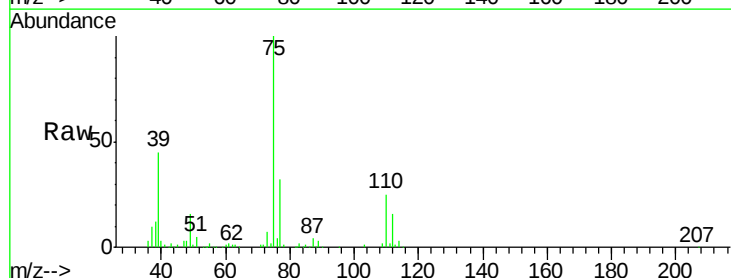
Tgt Ion: 75 Resp: 136129

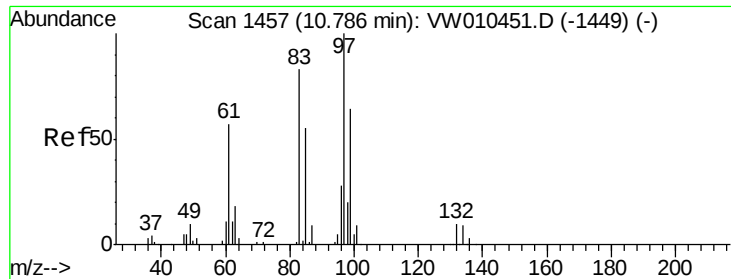
Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

39 45.3 36.2 54.4





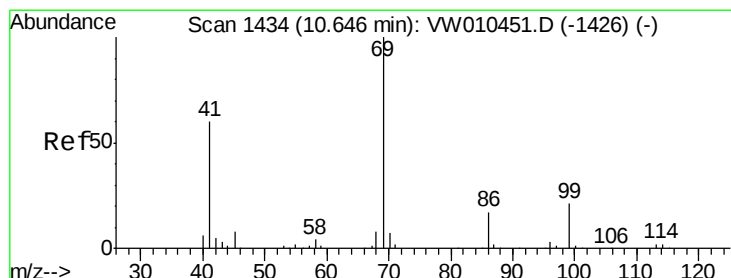
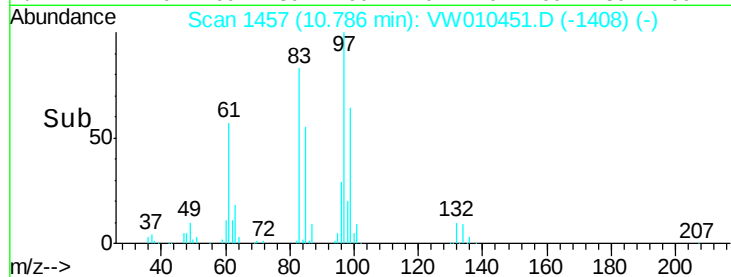
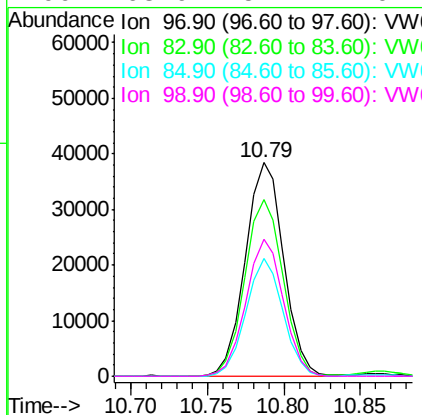
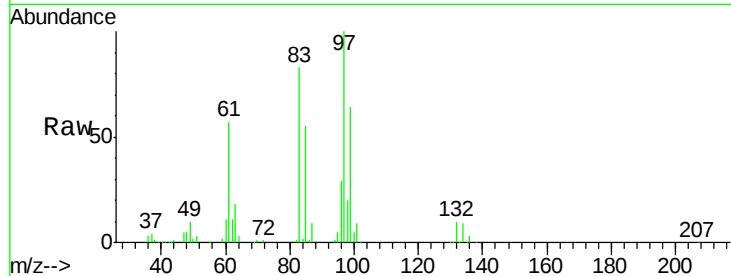
#55  
 1,1,2-Trichloroethane  
 Concen: 49.912 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. 0.00 min  
 Lab File: VW010451.D  
 Acq: 20 May 2019 16:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 97      | 100  |       | 66905 |       |       |
| 83      | 82.6 | 66.1  | 99.1  |       |       |
| 85      | 55.3 | 44.2  | 66.4  |       |       |
| 99      | 63.9 | 51.1  | 76.7  |       |       |

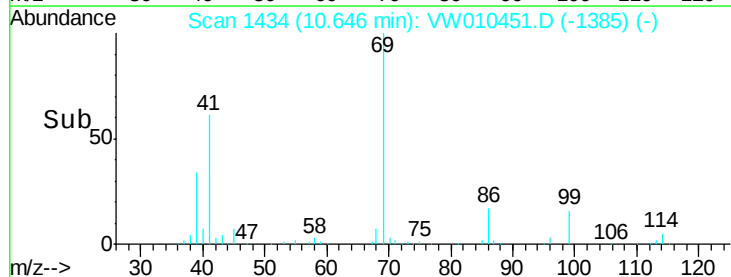
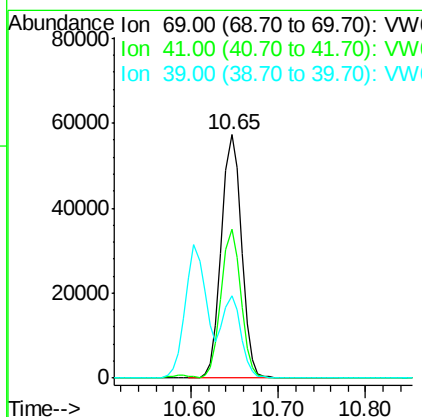
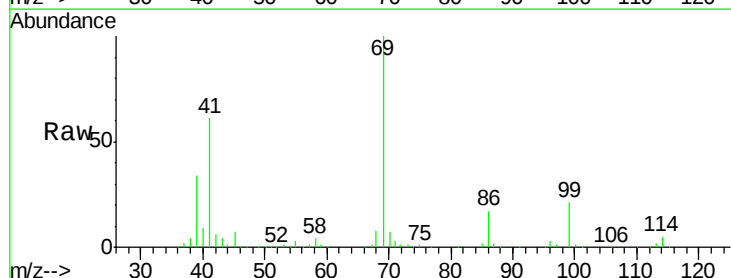
Manual Integrations  
 APPROVED

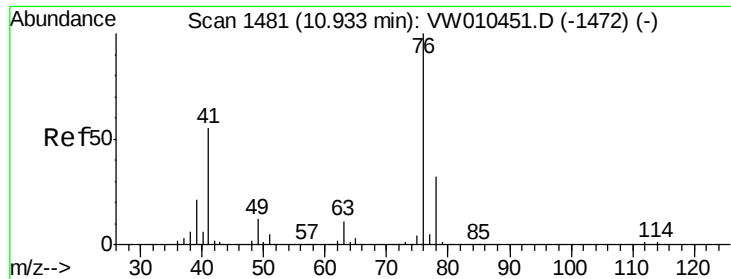
MMDadoda  
 5/21/2019 11:28:45 AM



#56  
 Ethyl methacrylate  
 Concen: 49.217 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. 0.00 min  
 Lab File: VW010451.D  
 Acq: 20 May 2019 16:28

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 69      | 100  |       | 92128 |       |       |
| 41      | 59.6 | 47.7  | 71.5  |       |       |
| 39      | 31.6 | 25.3  | 37.9  |       |       |





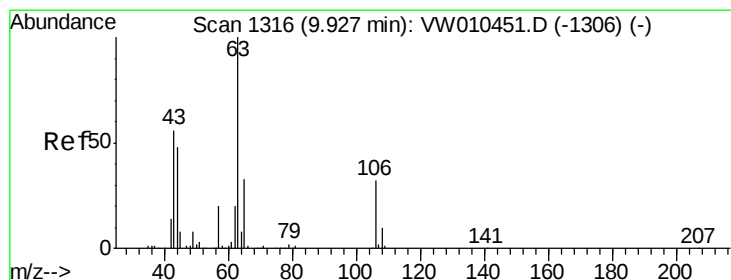
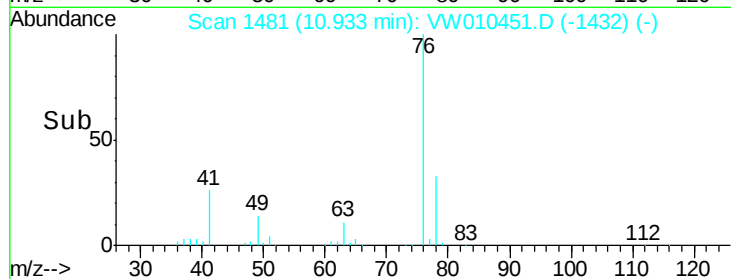
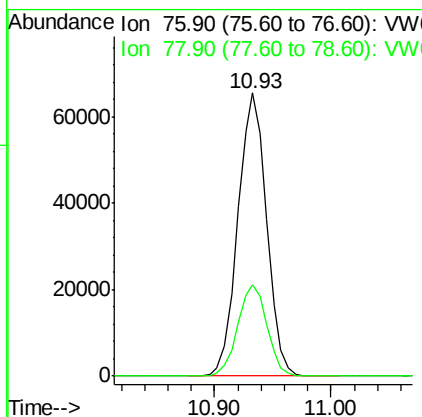
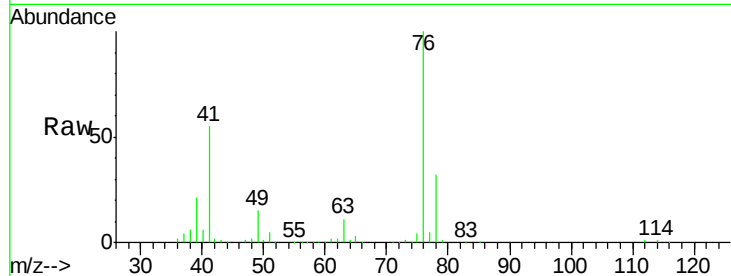
#57  
 1,3-Dichloropropane  
 Concen: 49.906 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. 0.00 min  
 Lab File: VW010451.D  
 Acq: 20 May 2019 16:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

Tot Ion: 76 Resp: 112289  
 Ion Ratio Lower Upper  
 76 100  
 78 32.7 26.2 39.2

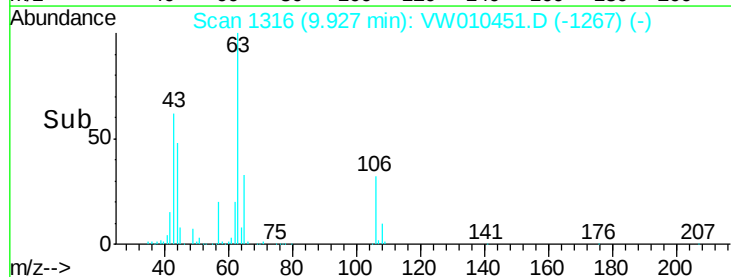
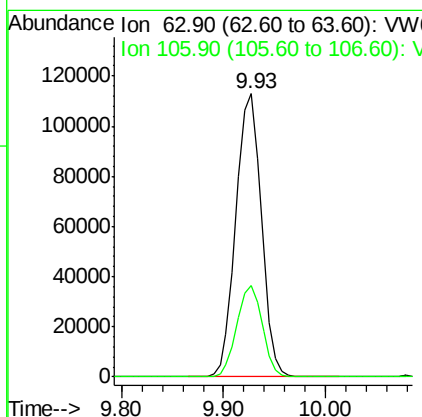
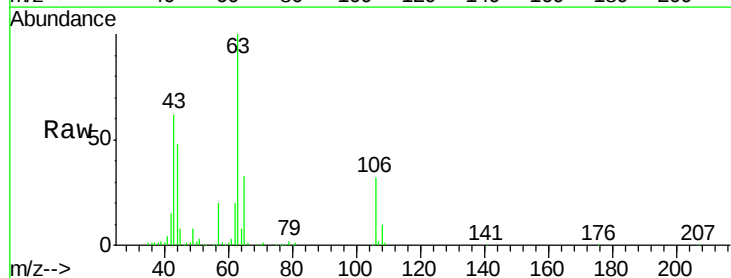
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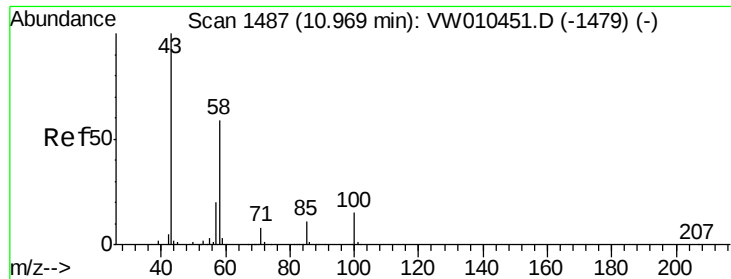
MMDadoda  
 5/21/2019 11:28:45 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 224.713 ug/l  
 RT: 9.93 min Scan# 1316  
 Delta R.T. 0.00 min  
 Lab File: VW010451.D  
 Acq: 20 May 2019 16:28

Tgt Ion: 63 Resp: 195889  
 Ion Ratio Lower Upper  
 63 100  
 106 32.2 25.8 38.6





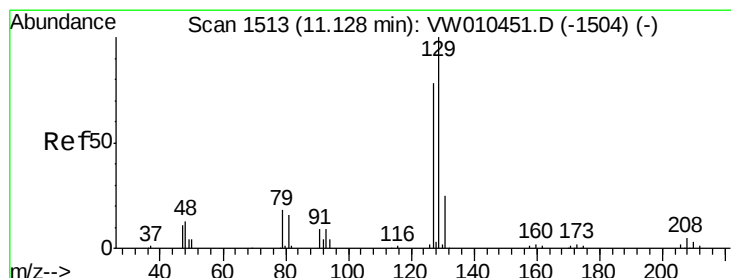
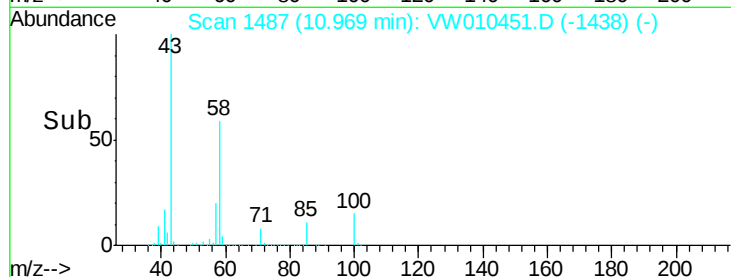
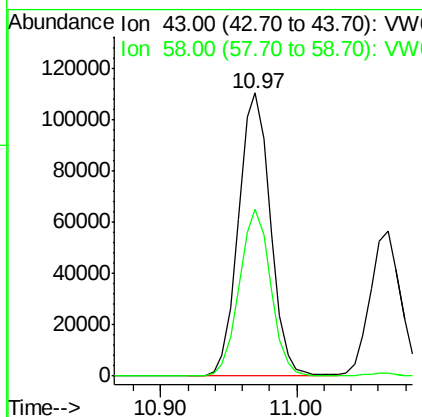
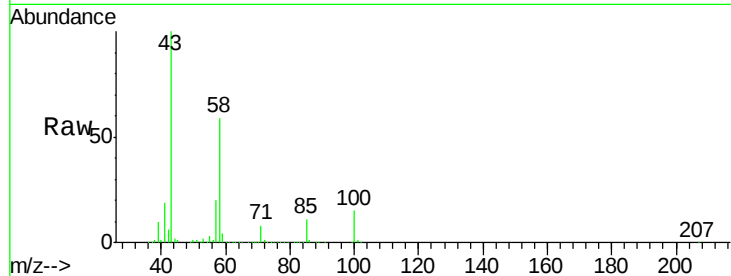
#59  
2-Hexanone  
Concen: 233.806 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

Tot Ion: 43 Resp: 181039  
Ion Ratio Lower Upper  
43 100  
58 57.9 28.9 86.8

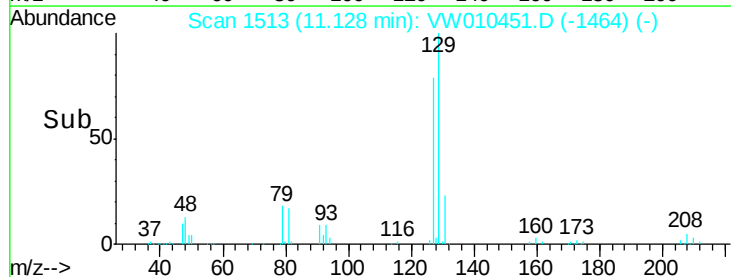
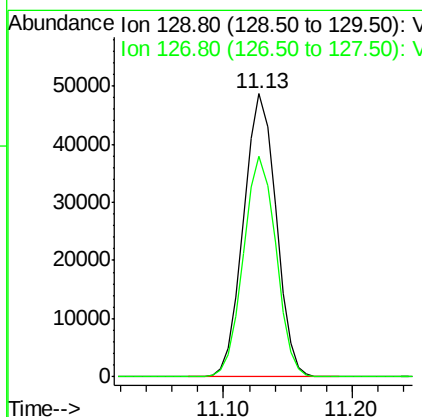
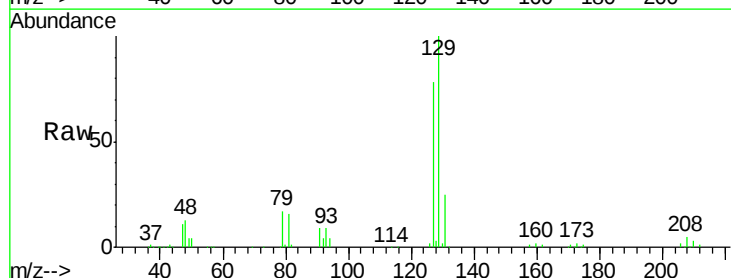
Manual Integrations  
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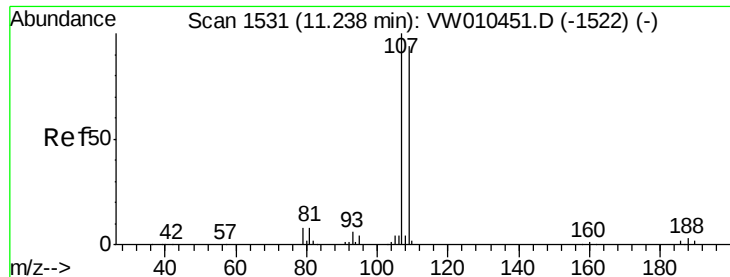
MMDadoda  
5/21/2019 11:28:45 AM



#60  
Dibromochloromethane  
Concen: 50.993 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

Tgt Ion: 129 Resp: 85042  
Ion Ratio Lower Upper  
129 100  
127 77.8 38.9 116.7





#61

1,2-Dibromoethane

Concen: 50.129 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 68240

Ion Ratio Lower Upper

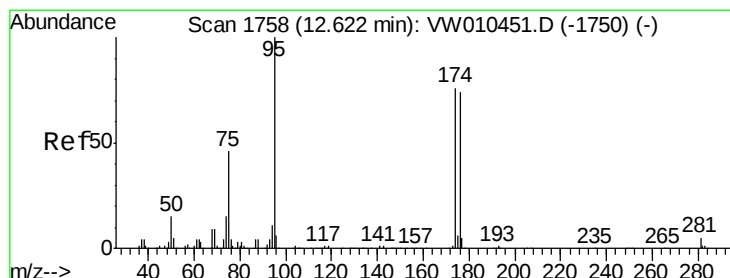
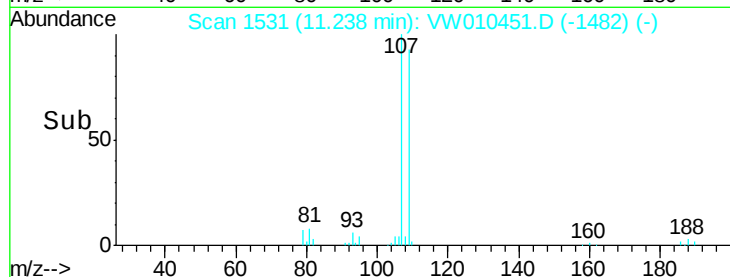
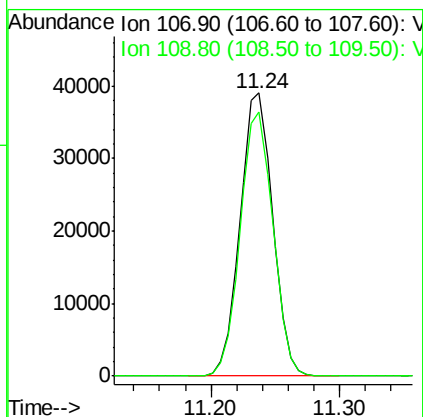
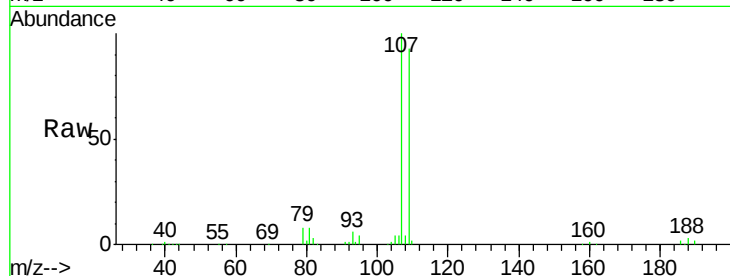
107 100

109 93.7 75.0 112.4

Manual Integrations  
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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 50.915 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

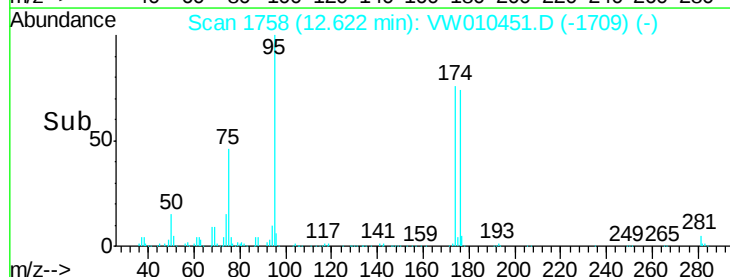
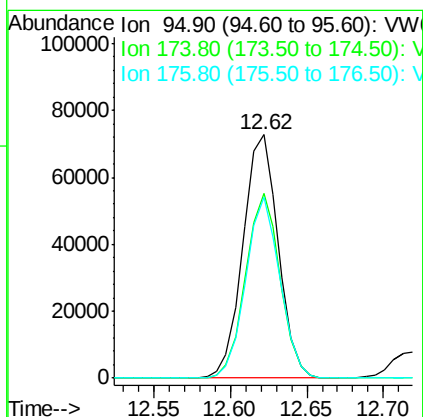
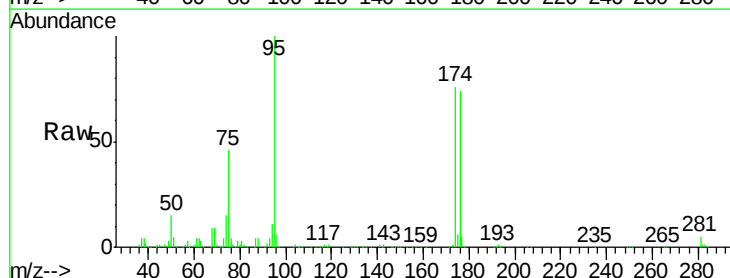
Tgt Ion: 95 Resp: 116457

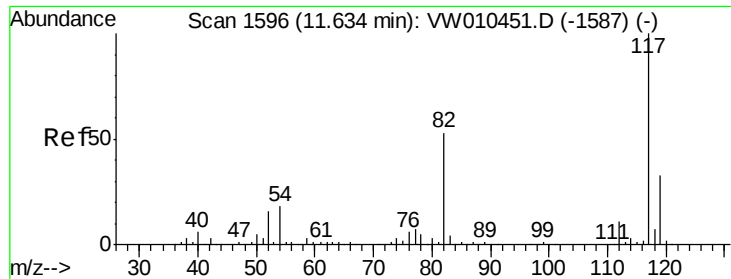
Ion Ratio Lower Upper

95 100

174 74.3 0.0 148.6

176 72.1 0.0 144.2





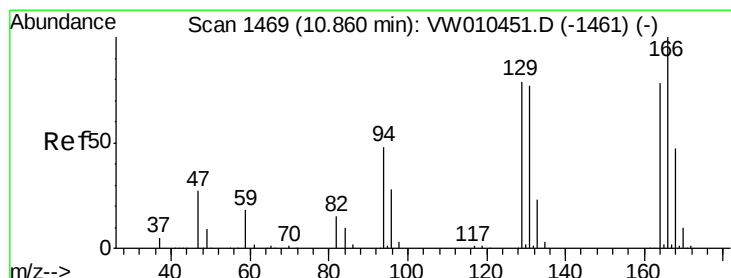
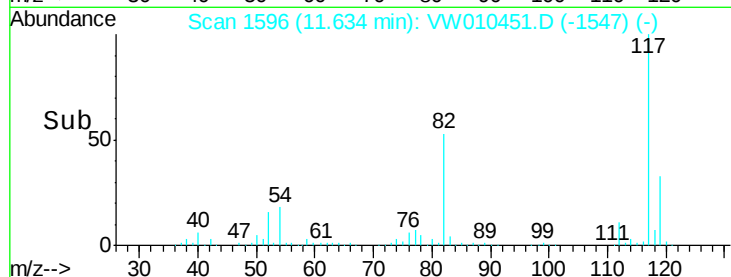
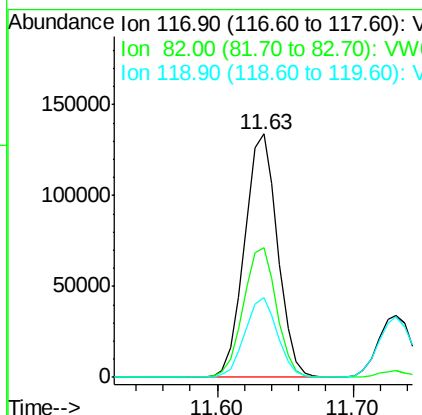
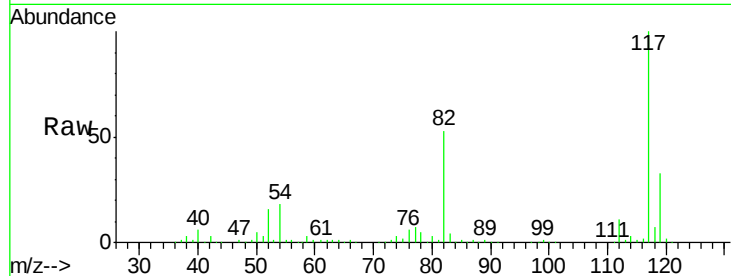
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.5  | 42.8  | 64.2  |
| 119     | 32.9  | 26.3  | 39.5  |

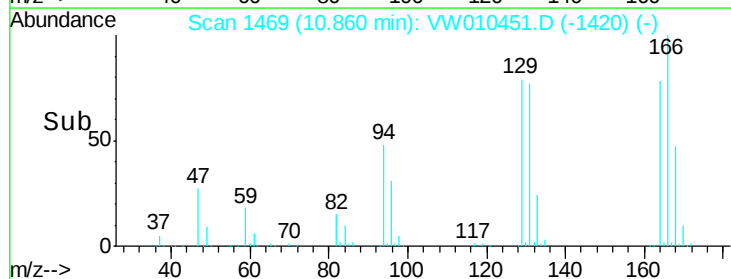
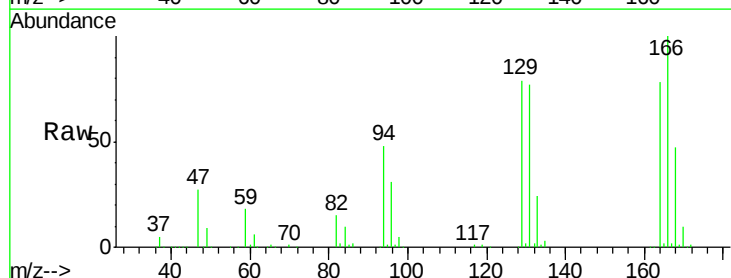
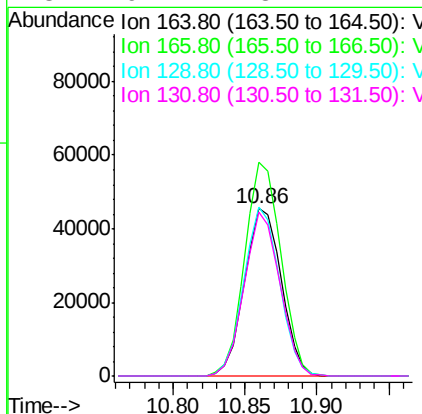
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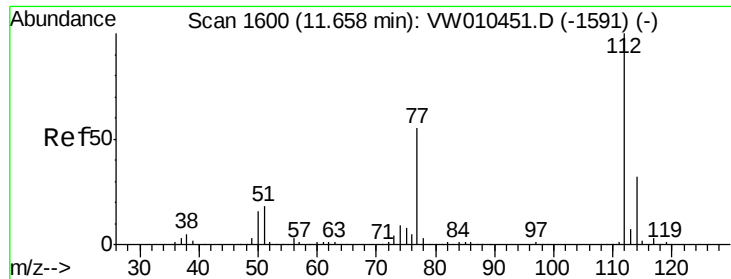
MMDadoda  
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#64  
Tetrachloroethene  
Concen: 52.837 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 127.4 | 101.9 | 152.9 |
| 129     | 100.8 | 80.6  | 121.0 |
| 131     | 97.7  | 78.2  | 117.2 |





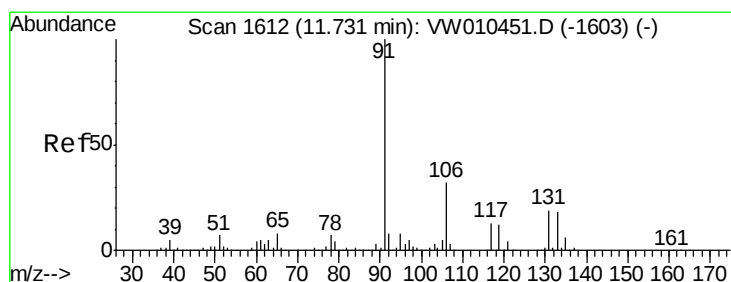
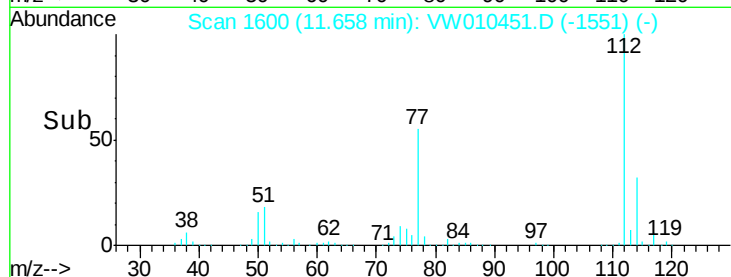
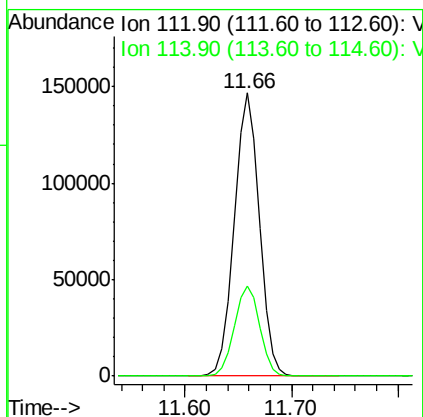
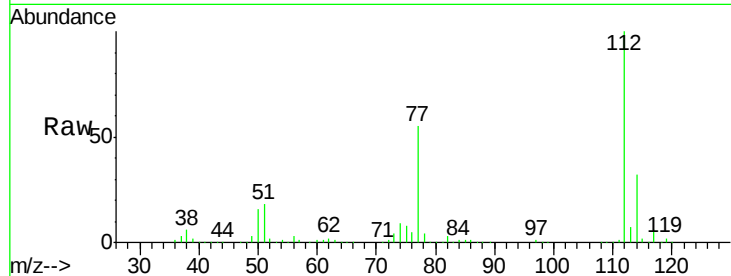
#65  
Chlorobenzene  
Concen: 51.934 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

Tot Ion:112 Resp: 242755  
Ion Ratio Lower Upper  
112 100  
114 31.6 25.3 37.9

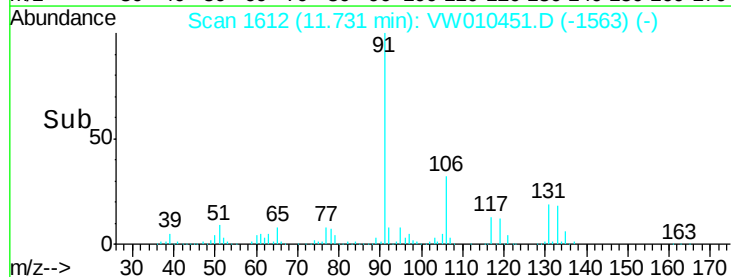
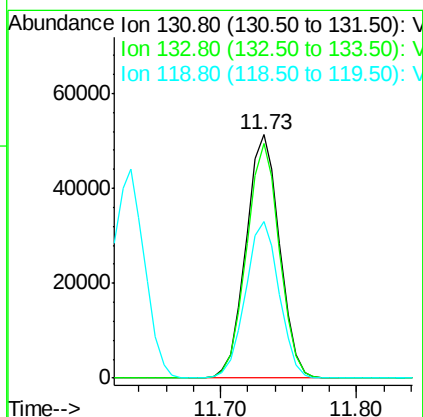
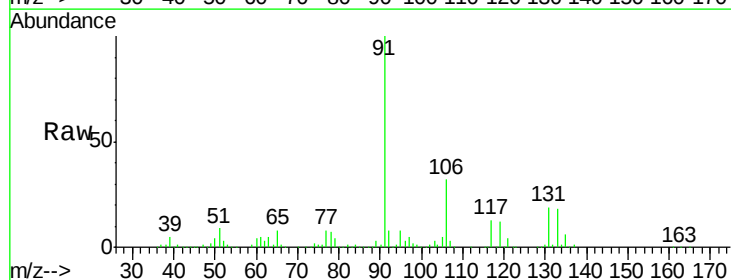
Manual Integrations  
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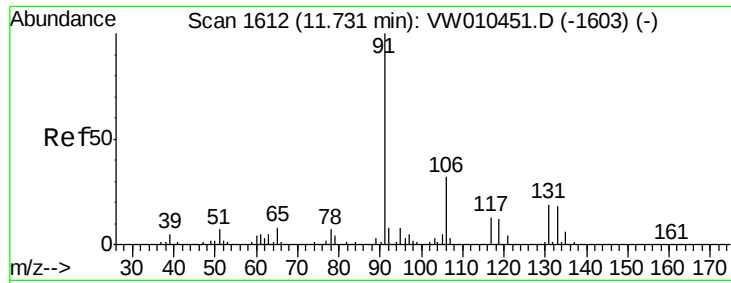
MMDadoda  
5/21/2019 11:28:45 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.412 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

Tgt Ion:131 Resp: 88597  
Ion Ratio Lower Upper  
131 100  
133 94.6 47.3 141.9  
119 64.3 32.1 96.5





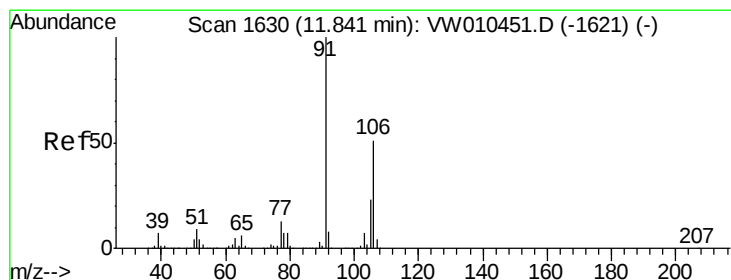
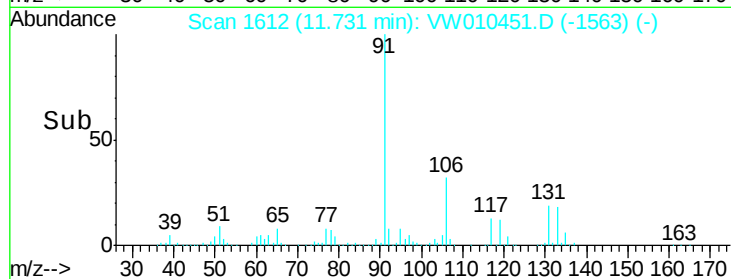
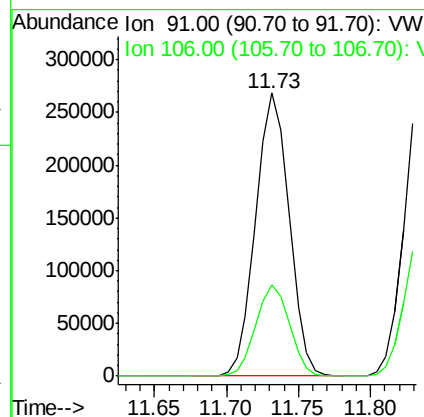
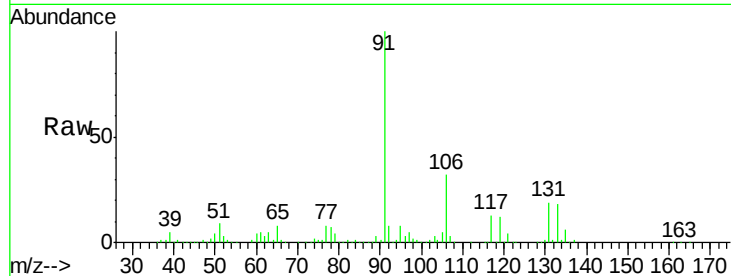
#67  
Ethyl Benzene  
Concen: 52.236 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDICCC050

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 91      | 100  |       | 431294 |       |       |
| 106     | 32.4 | 25.9  | 38.9   |       |       |

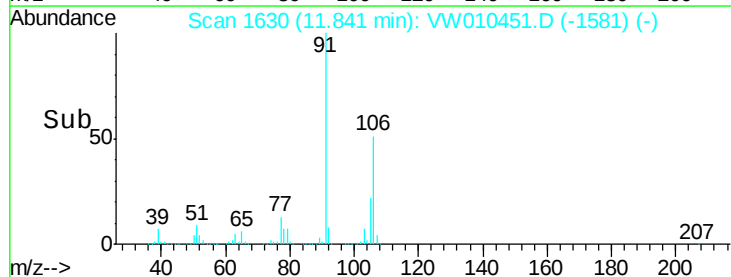
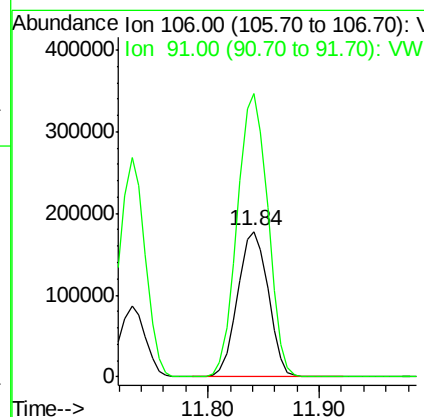
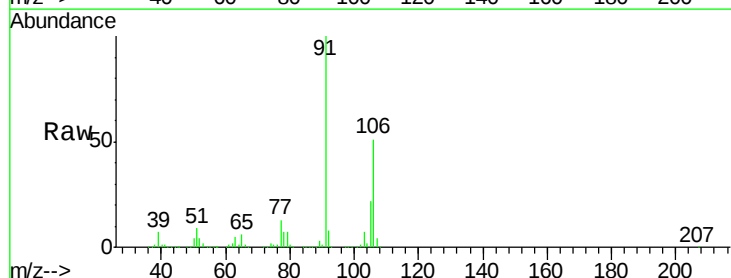
Manual Integrations  
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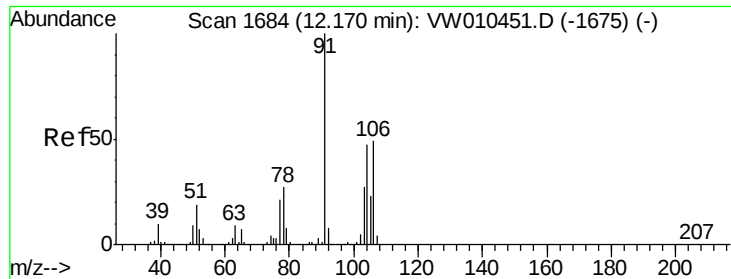
MMDadoda  
5/21/2019 11:28:45 AM



#68  
m/p-Xylenes  
Concen: 104.806 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 338881 |       |       |
| 91      | 195.0 | 156.0 | 234.0  |       |       |





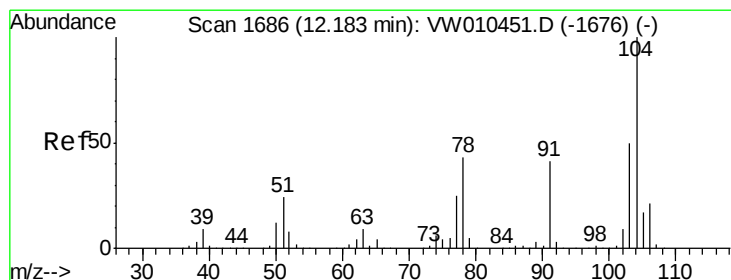
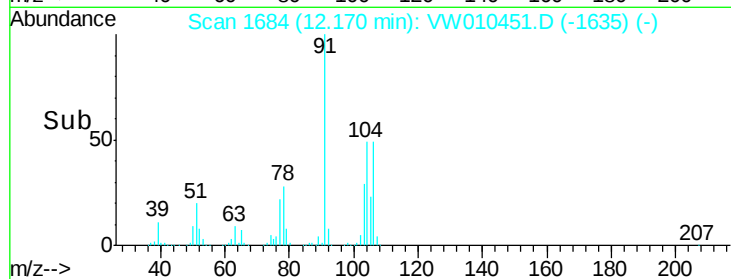
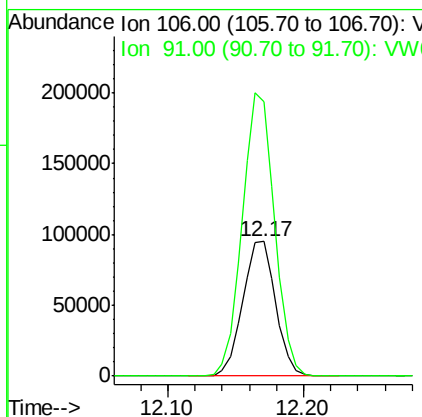
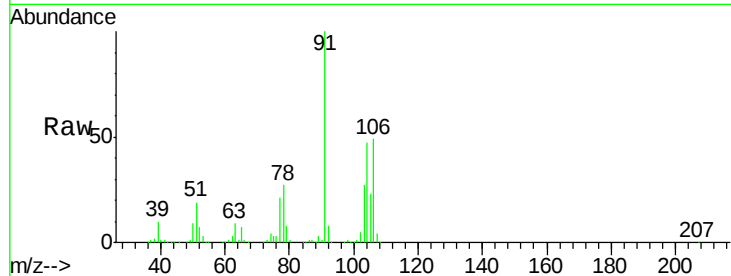
#69  
o-Xylene  
Concen: 52.154 ug/l  
RT: 12.17 min Scan# 1684  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 106     | 100   | 160431 |       |       |
| 91      | 206.3 | 103.2  | 309.4 |       |

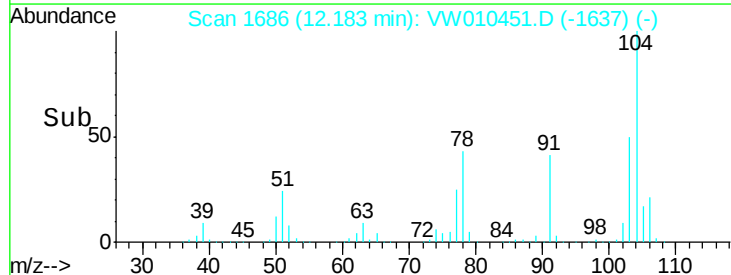
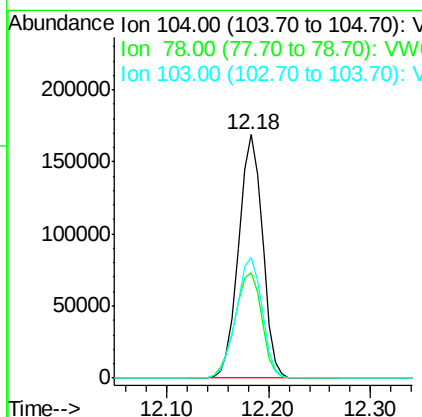
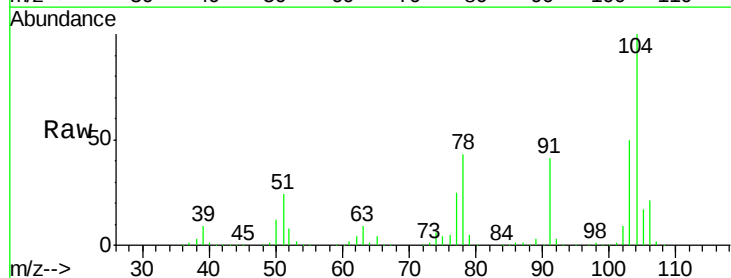
Manual Integrations  
APPROVED

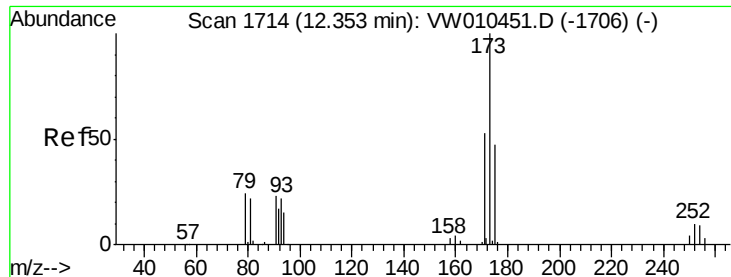
MMDadoda  
5/21/2019 11:28:45 AM



#70  
Styrene  
Concen: 51.730 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 104     | 100   | 273556 |       |       |
| 78      | 48.7  | 39.0   | 58.4  |       |
| 103     | 53.8  | 43.0   | 64.6  |       |





#71

Bromoform

Concen: 50.574 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 48433

Ion Ratio Lower Upper

173 100

175 48.9 24.4 73.4

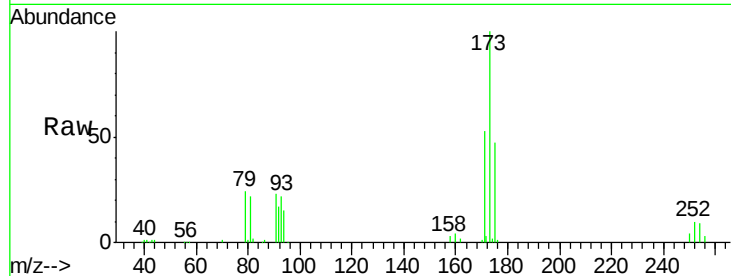
254 0.0 0.0 0.0

Manual Integrations

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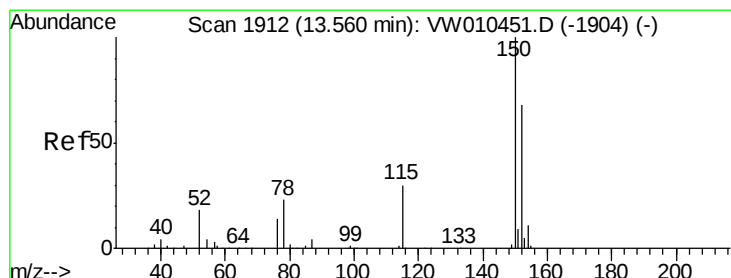
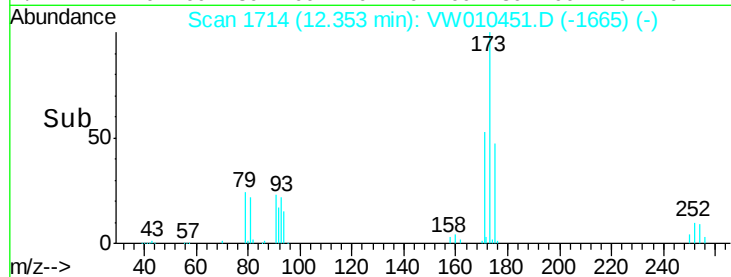
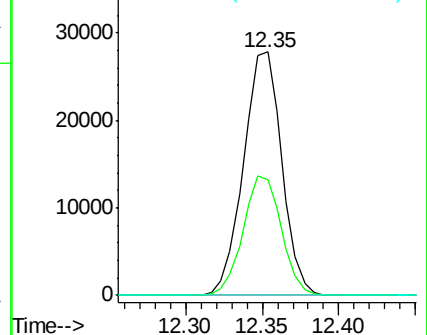
5/21/2019 11:28:45 AM



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: VW010451.D

Acq: 20 May 2019 16:28

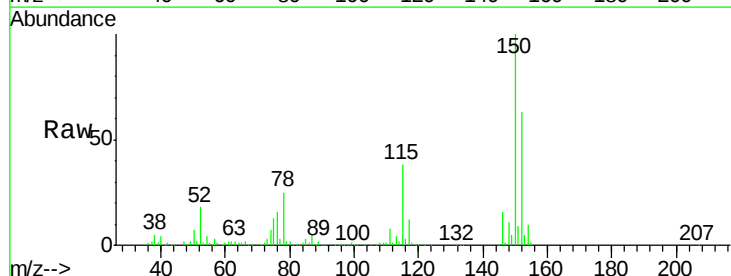
Tgt Ion:152 Resp: 111008

Ion Ratio Lower Upper

152 100

115 60.7 30.3 91.0

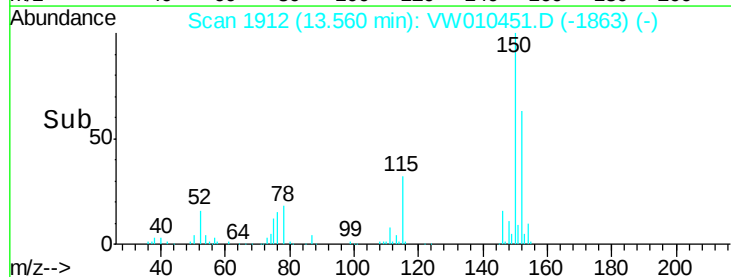
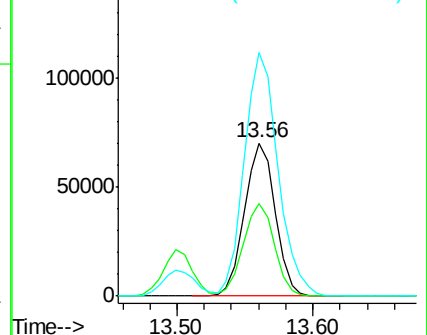
150 174.9 0.0 349.8

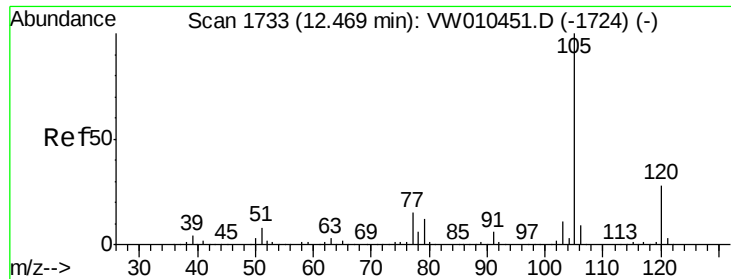


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.362 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 438927

Ion Ratio Lower Upper

105 100

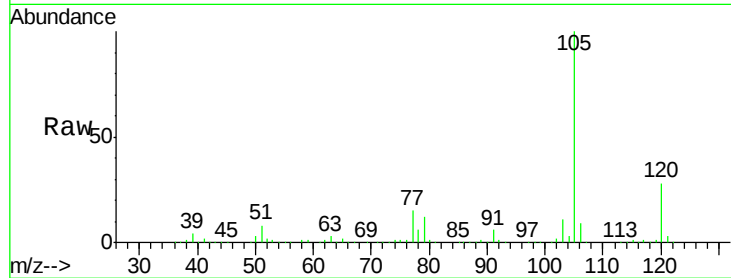
120 27.8 13.9 41.7

Manual Integrations

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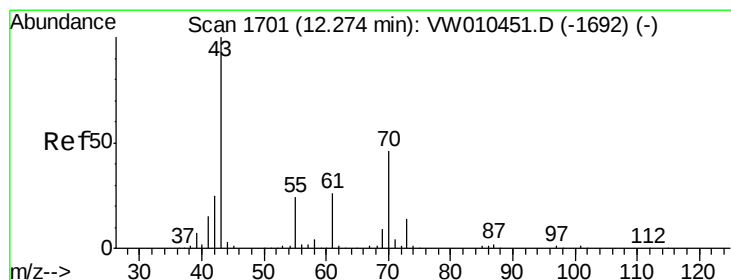
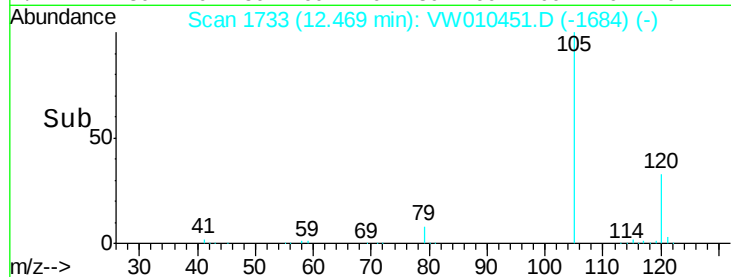
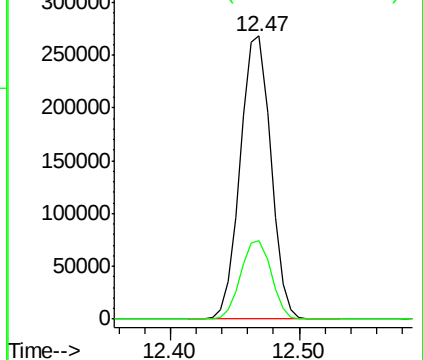
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.067 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Tgt Ion: 43 Resp: 98348

Ion Ratio Lower Upper

43 100

70 46.4 37.1 55.7

55 24.5 19.6 29.4

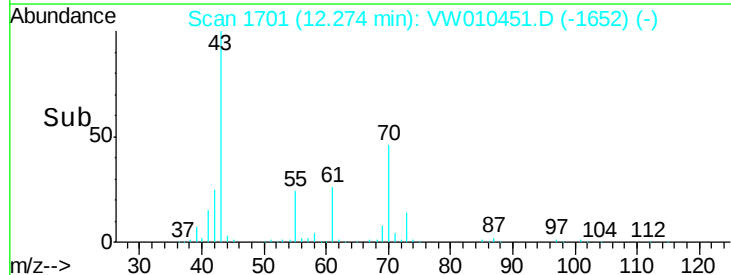
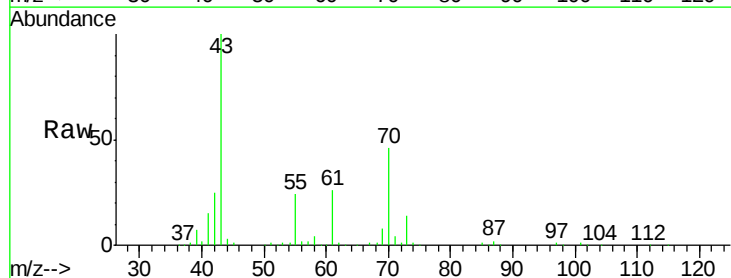
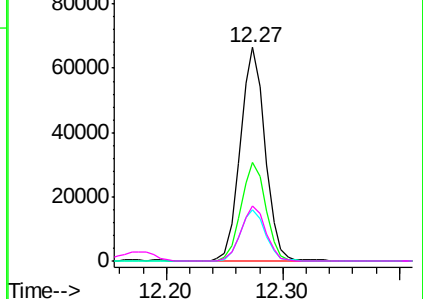
61 25.9 20.7 31.1

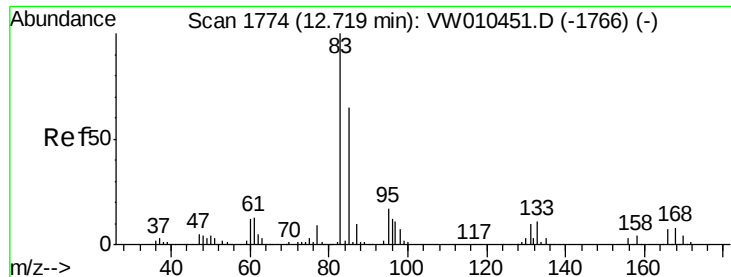
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 45.689 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA\_W

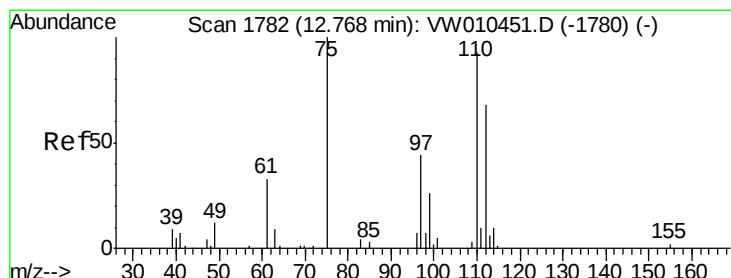
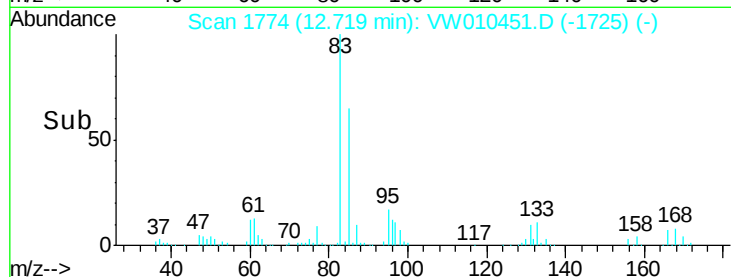
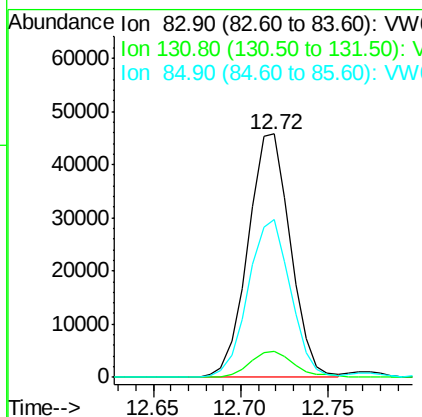
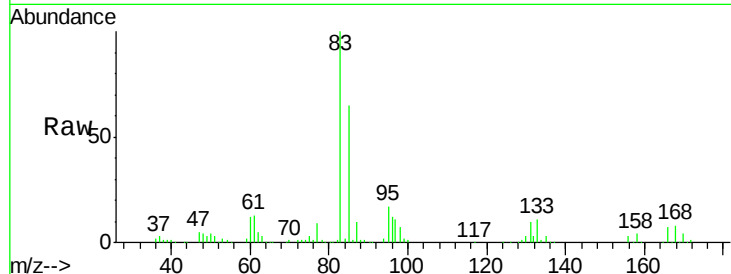
ClientSampleId :

VSTDICCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 77203 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 11.2  | 5.6   | 16.8  |
| 85        | 64.7  | 32.4  | 97.0  |

Manual Integrations  
APPROVED

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5/21/2019 11:28:45 AM



#76

1,2,3-Trichloropropane

Concen: 45.770 ug/l m

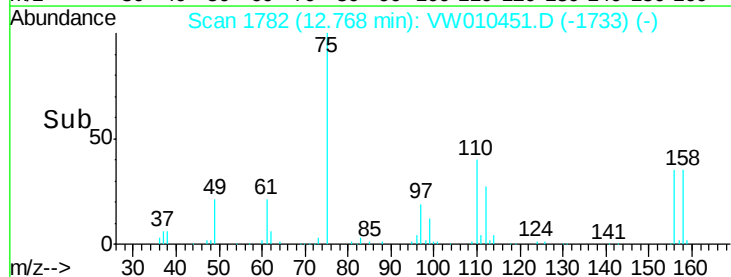
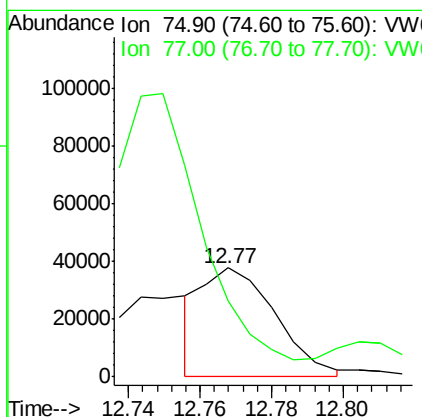
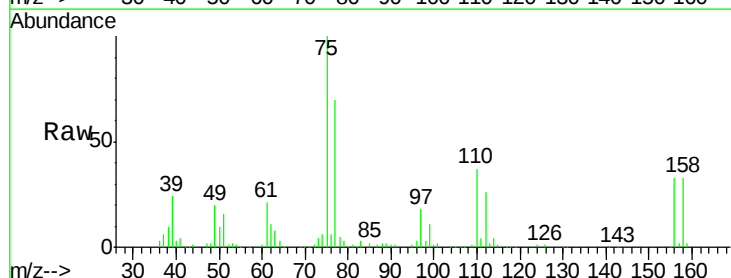
RT: 12.77 min Scan# 1782

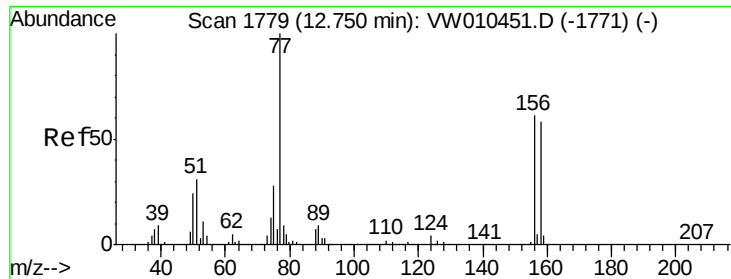
Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 53922 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 340.1 | 170.0 | 510.1 |





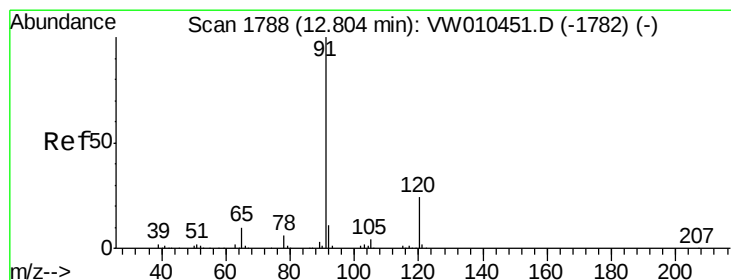
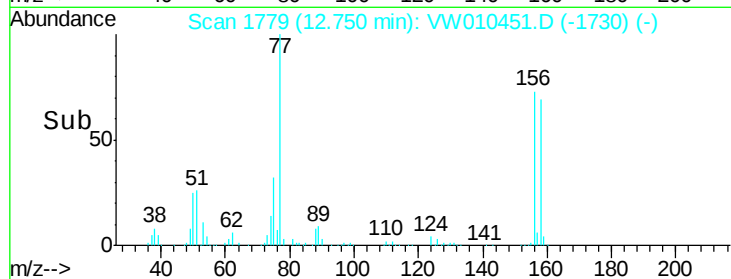
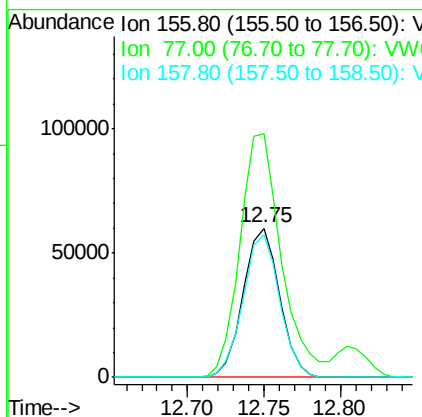
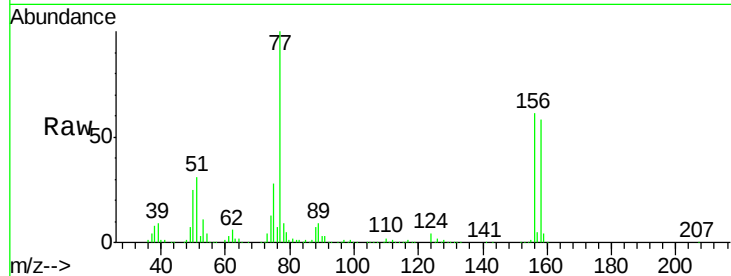
#77  
Bromobenzene  
Concen: 50.535 ug/l  
RT: 12.75 min Scan# 1779  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 184.8 | 92.4  | 277.2 |
| 158     | 96.5  | 48.3  | 144.8 |

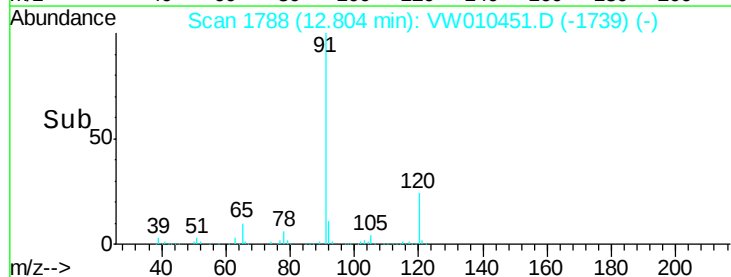
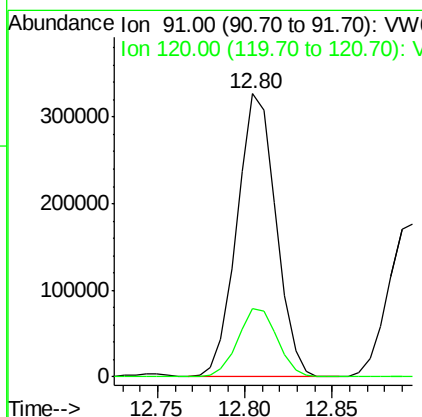
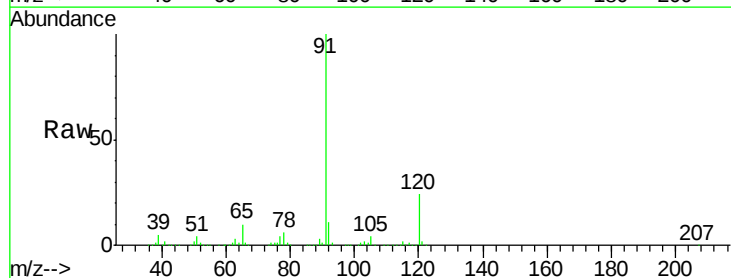
Manual Integrations  
APPROVED

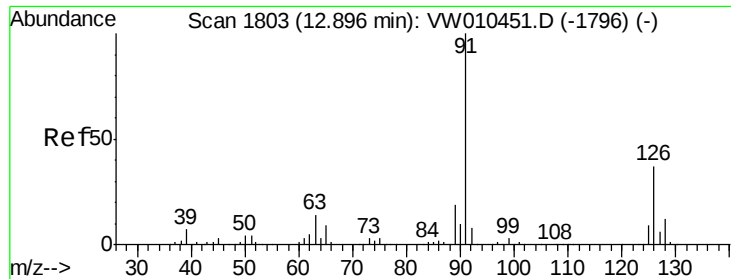
MMDadoda  
5/21/2019 11:28:45 AM



#78  
n-propylbenzene  
Concen: 50.197 ug/l  
RT: 12.80 min Scan# 1788  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 24.5  | 12.3  | 36.8  |





#79

2-Chlorotoluene

Concen: 49.784 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010451.D

Acq: 20 May 2019 16:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 292909

Ion Ratio Lower Upper

91 100

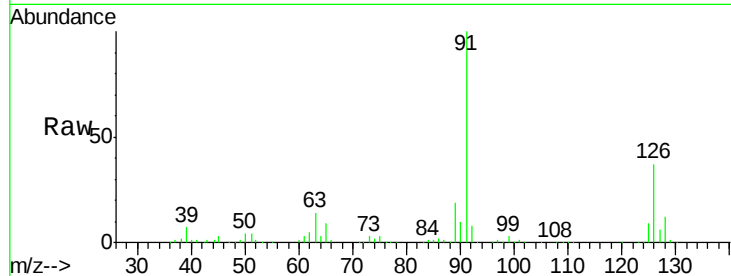
126 34.9 17.4 52.3

Manual Integrations

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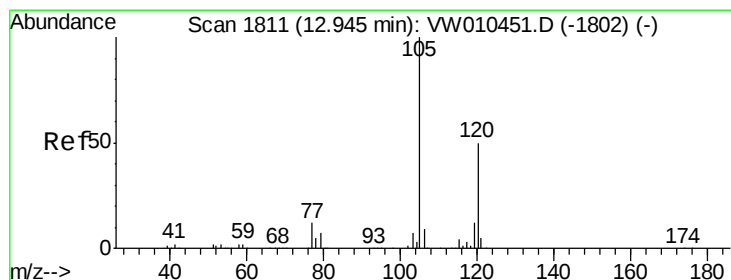
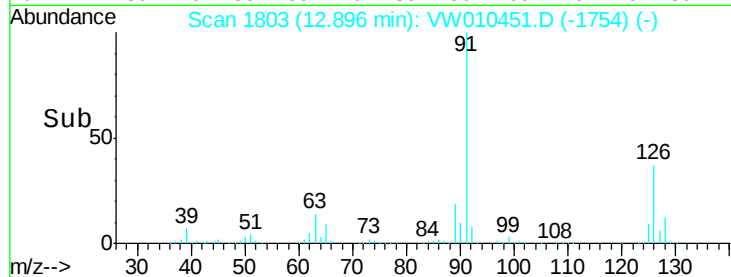
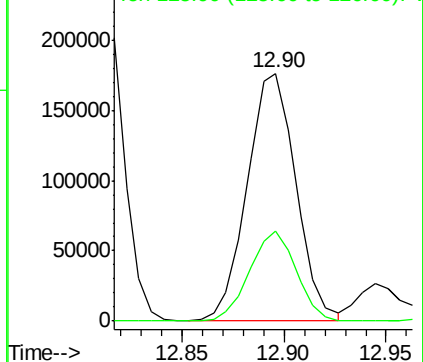
MMDadoda

5/21/2019 11:28:45 AM



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: 50.328 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010451.D

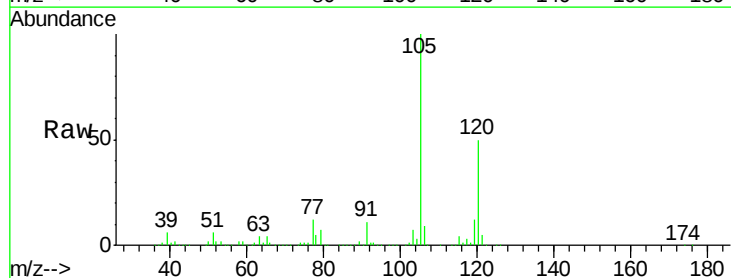
Acq: 20 May 2019 16:28

Tgt Ion:105 Resp: 372450

Ion Ratio Lower Upper

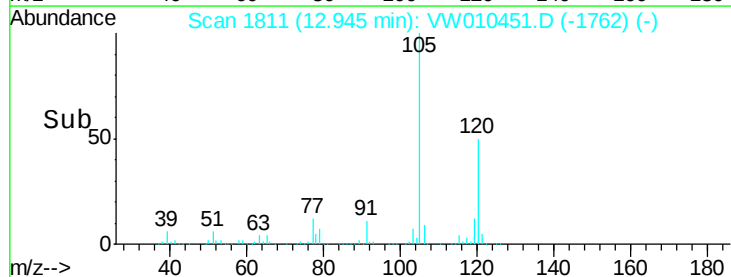
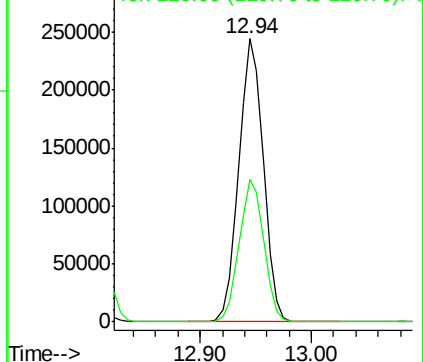
105 100

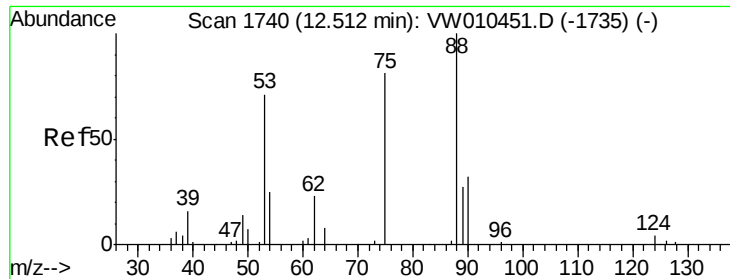
120 50.4 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





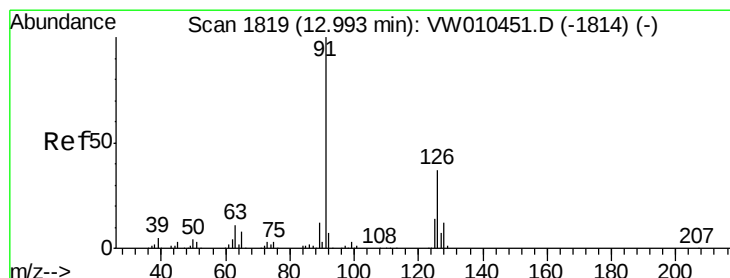
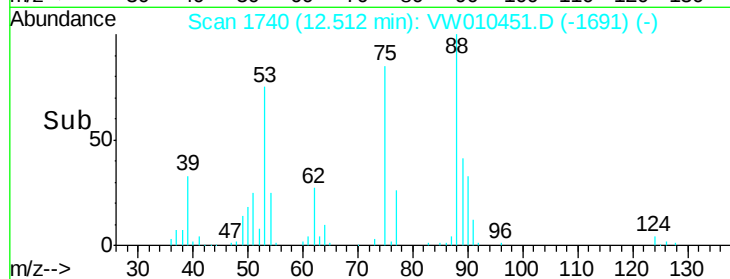
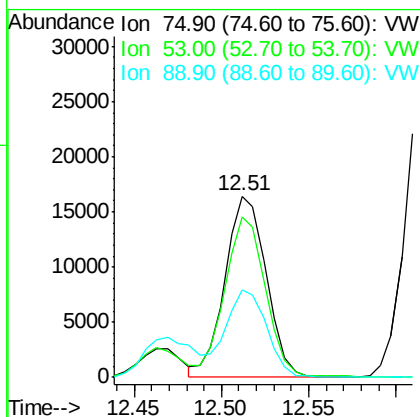
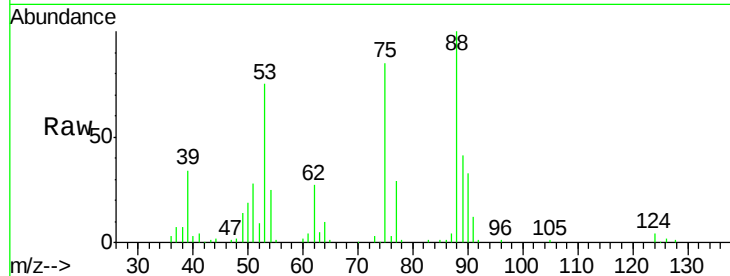
#81  
trans-1,4-Dichloro-2-butene  
Concen: 44.710 ug/l  
RT: 12.51 min Scan# 1740  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 87.3  | 69.8  | 104.8 |
| 89      | 49.4  | 39.5  | 59.3  |

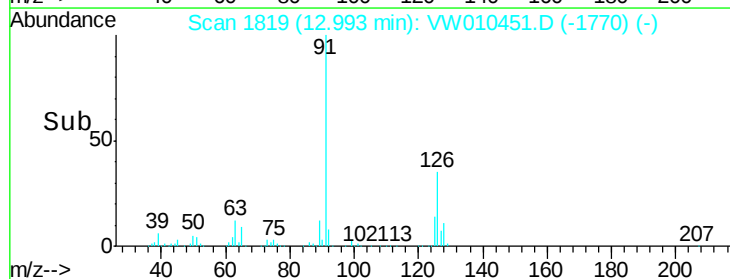
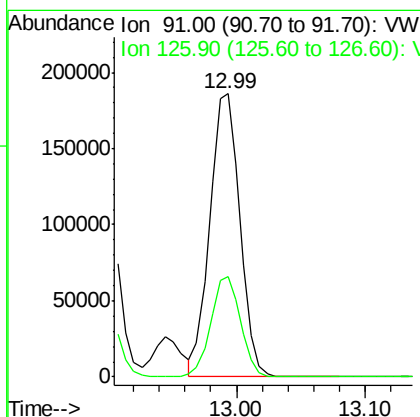
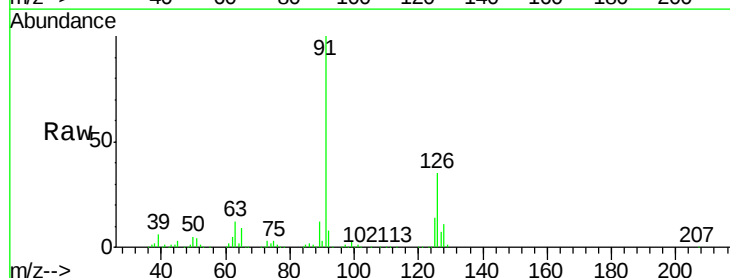
Manual Integrations  
APPROVED

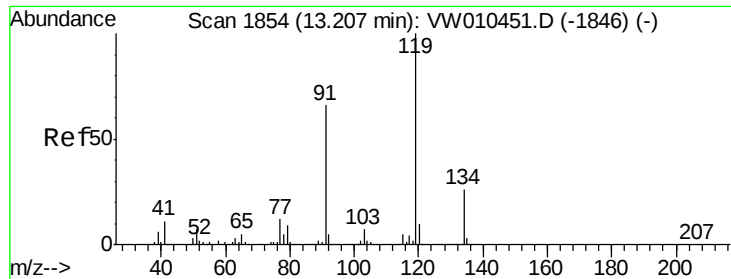
MMDadoda  
5/21/2019 11:28:45 AM



#82  
4-Chlorotoluene  
Concen: 49.641 ug/l  
RT: 12.99 min Scan# 1819  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.1  | 17.5  | 52.6  |





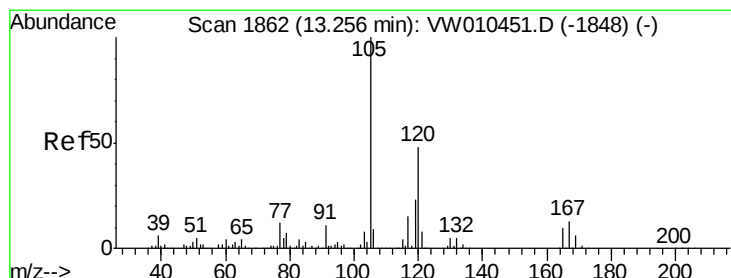
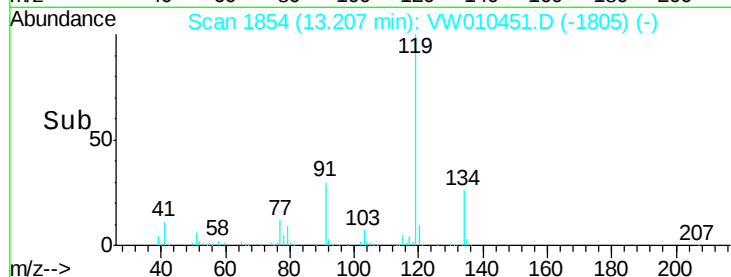
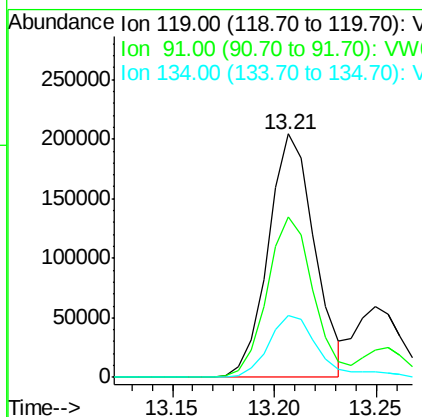
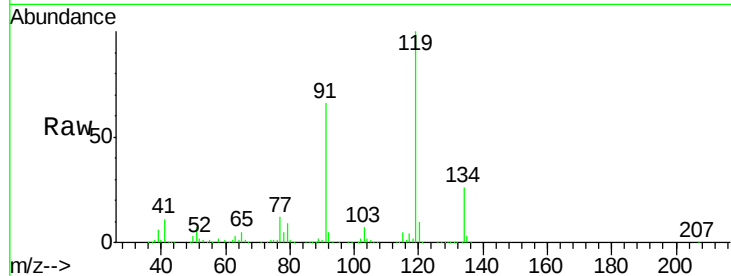
#83  
 tert-Butylbenzene  
 Concen: 51.485 ug/l  
 RT: 13.21 min Scan# 1854  
 Delta R.T. 0.00 min  
 Lab File: VW010451.D  
 Acq: 20 May 2019 16:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 323105 |       |       |
| 91      | 66.3  |        | 33.1  | 99.5  |
| 134     | 27.7  |        | 13.9  | 41.6  |

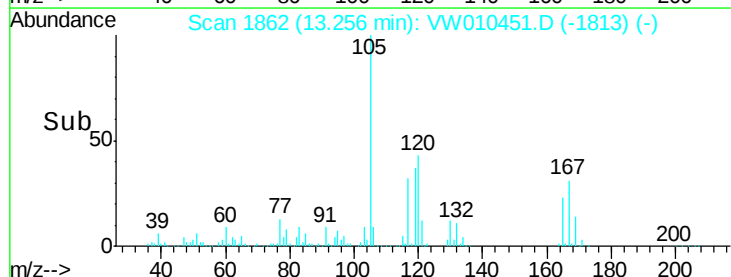
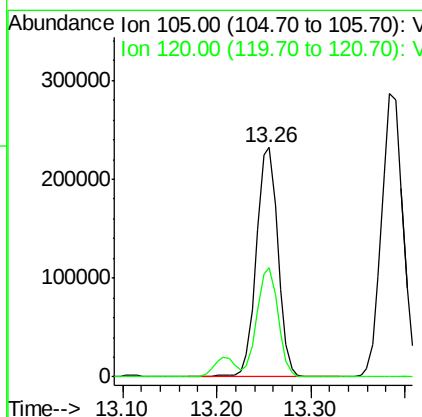
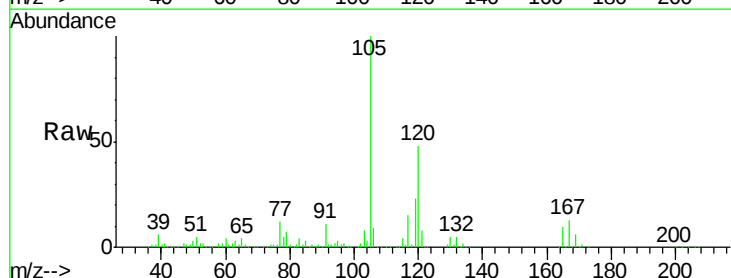
Manual Integrations  
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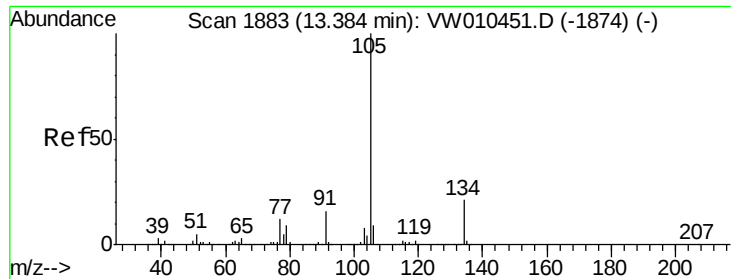
MMDadoda  
 5/21/2019 11:28:45 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 50.880 ug/l  
 RT: 13.26 min Scan# 1862  
 Delta R.T. 0.00 min  
 Lab File: VW010451.D  
 Acq: 20 May 2019 16:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 371183 |       |       |
| 120     | 46.8  |        | 23.4  | 70.2  |





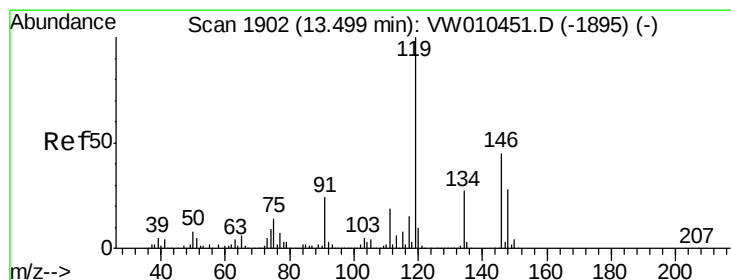
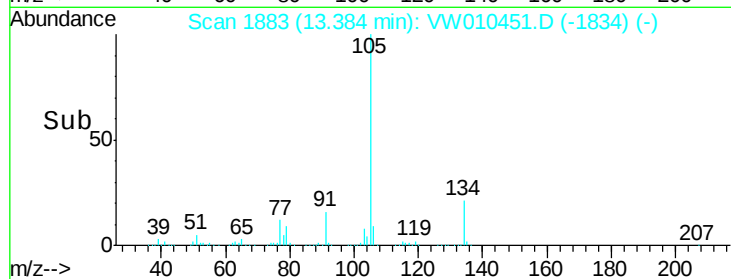
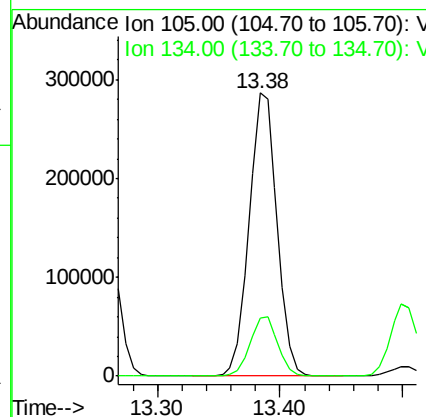
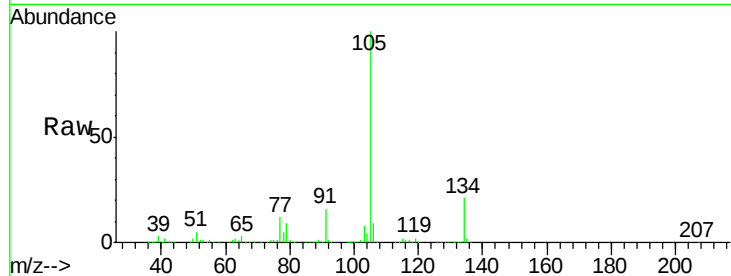
#85  
 sec-Butylbenzene  
 Concen: 51.262 ug/l  
 RT: 13.38 min Scan# 1883  
 Delta R.T. 0.00 min  
 Lab File: VW010451.D  
 Acq: 20 May 2019 16:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 452505 |       |       |
| 134     | 21.1  | 10.5   | 31.6  |       |

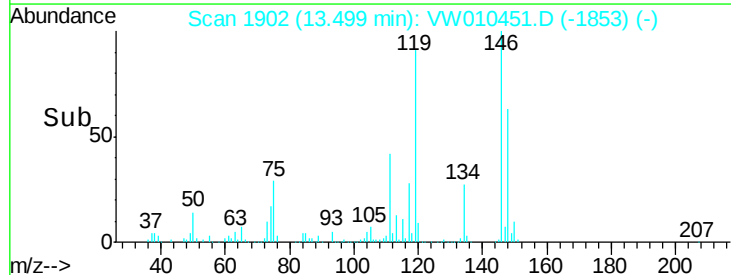
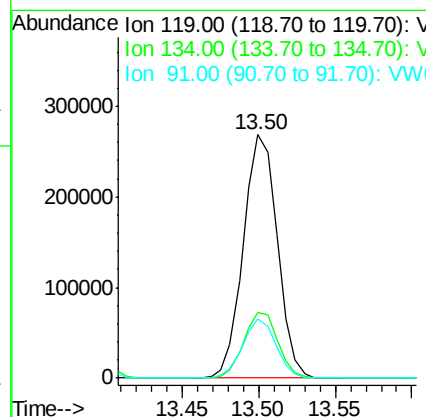
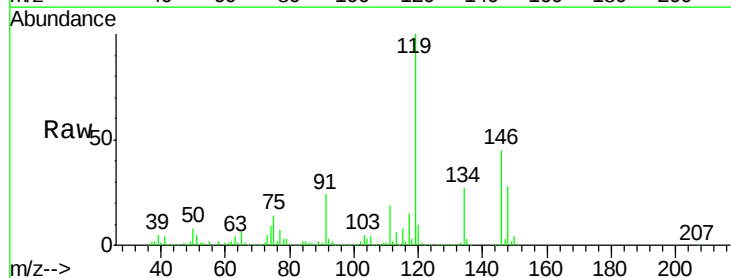
Manual Integrations  
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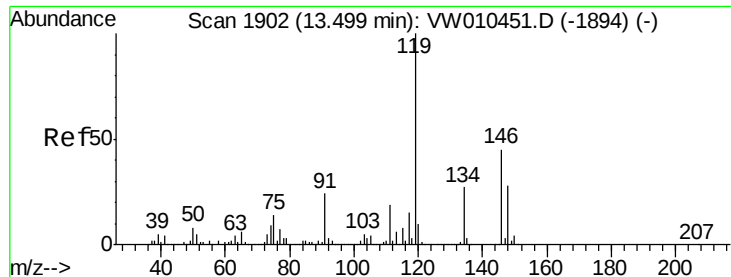
MMDadoda  
 5/21/2019 11:28:45 AM



#86  
 p-Isopropyltoluene  
 Concen: 51.825 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. 0.00 min  
 Lab File: VW010451.D  
 Acq: 20 May 2019 16:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 414261 |       |       |
| 134     | 27.1  | 13.6   | 40.7  |       |
| 91      | 23.8  | 11.9   | 35.7  |       |





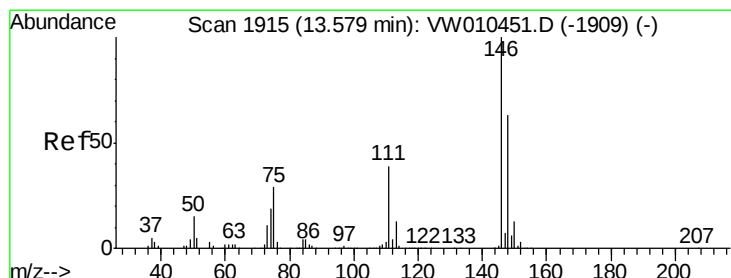
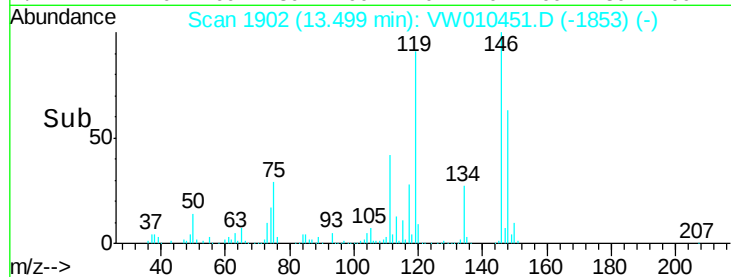
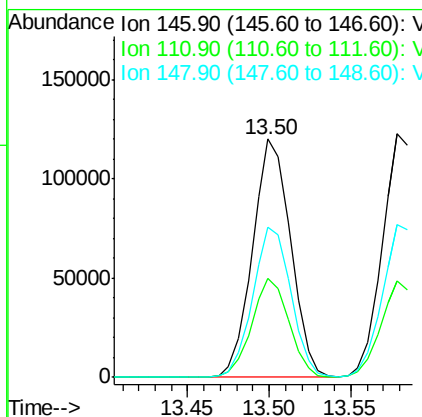
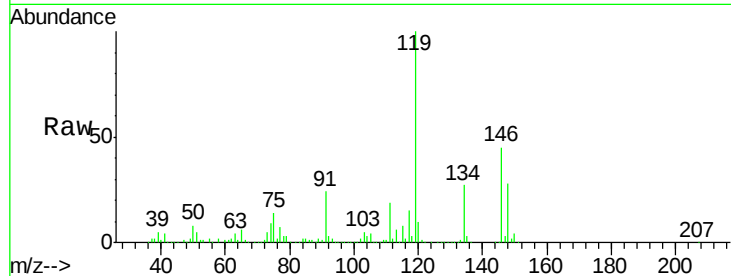
#87  
 1,3-Dichlorobenzene  
 Concen: 51.367 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. 0.00 min  
 Lab File: VW010451.D  
 Acq: 20 May 2019 16:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.6  | 20.3  | 60.9  |
| 148     | 63.2  | 31.6  | 94.8  |

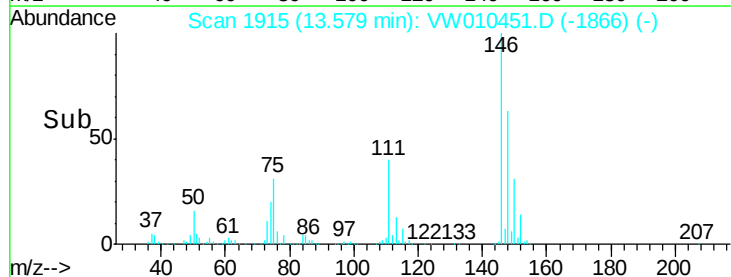
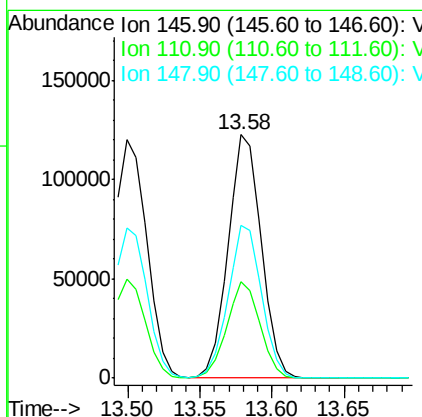
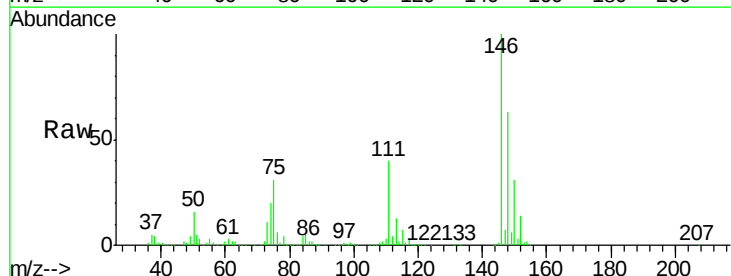
Manual Integrations  
 APPROVED

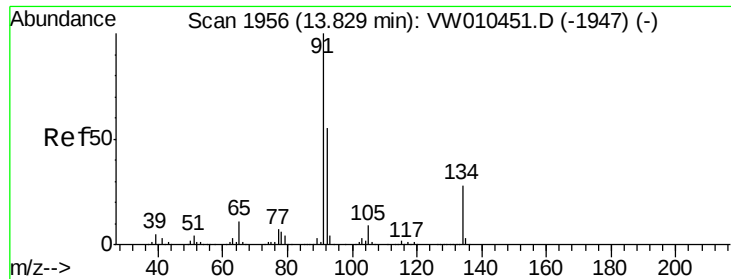
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 52.303 ug/l  
 RT: 13.58 min Scan# 1915  
 Delta R.T. 0.00 min  
 Lab File: VW010451.D  
 Acq: 20 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.7  | 19.9  | 59.6  |
| 148     | 63.2  | 31.6  | 94.8  |





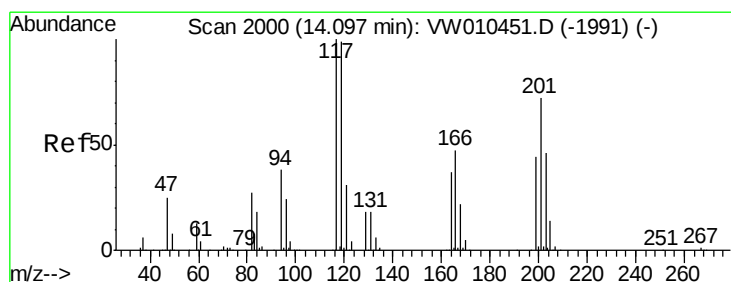
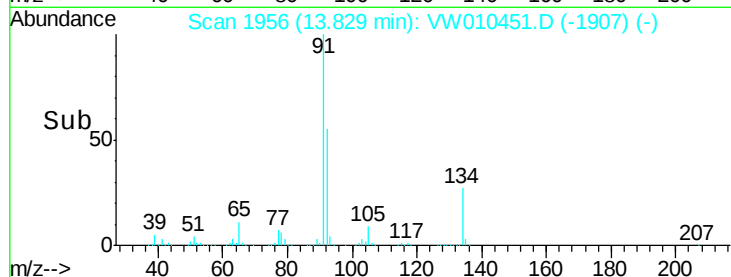
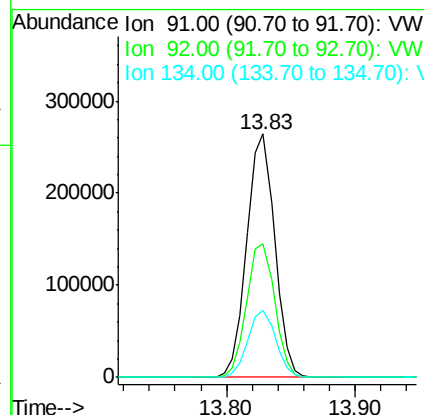
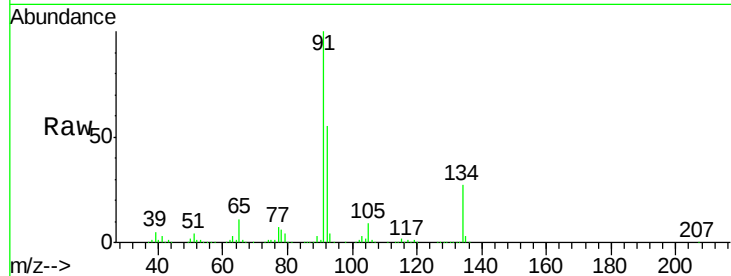
#89  
n-Butylbenzene  
Concen: 51.885 ug/l  
RT: 13.83 min Scan# 1956  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 91      | 100   |      |       |       |
| 92      | 55.4  | 27.7 | 83.1  |       |
| 134     | 27.7  | 13.9 | 41.6  |       |

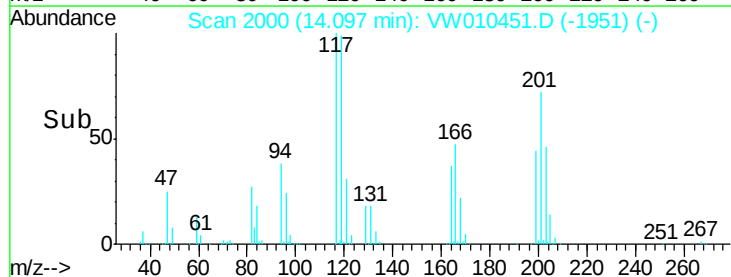
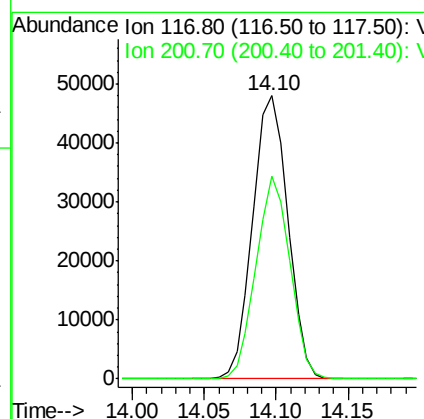
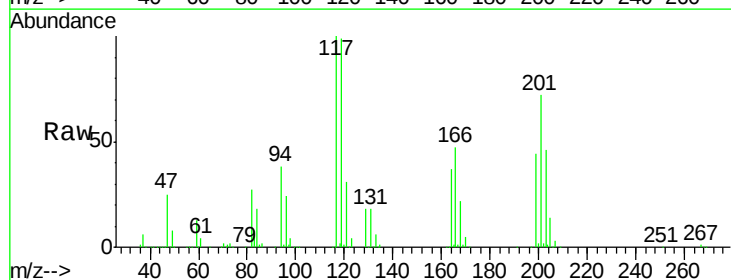
Manual Integrations  
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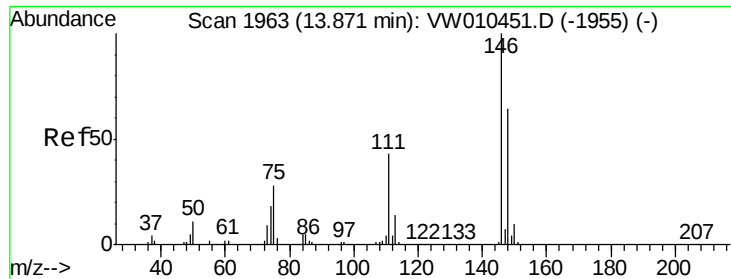
MMDadoda  
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#90  
Hexachloroethane  
Concen: 50.667 ug/l  
RT: 14.10 min Scan# 2000  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 201     | 69.2  | 34.6 | 103.8 |       |





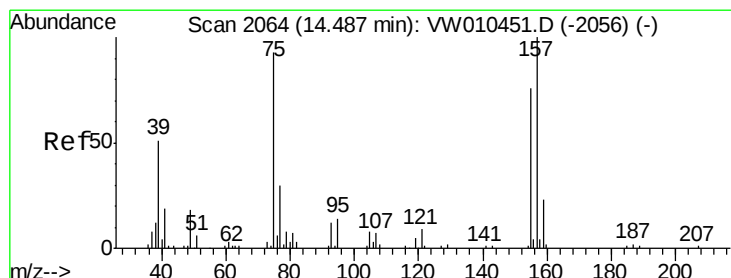
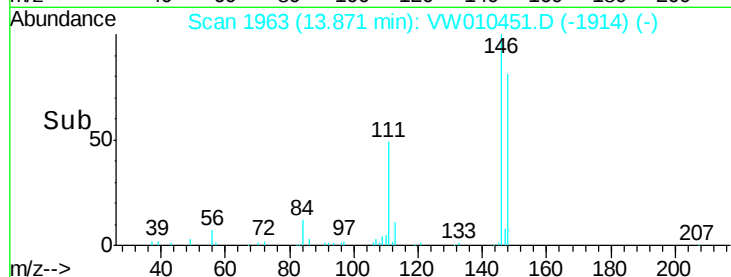
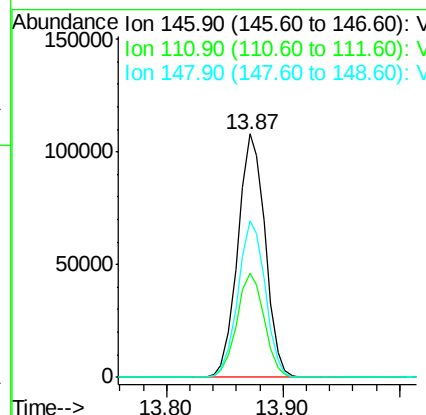
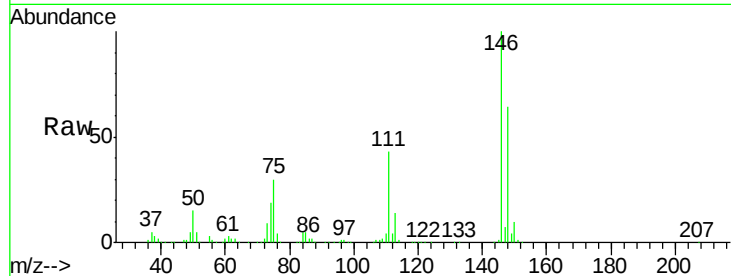
#91  
 1,2-Dichlorobenzene  
 Concen: 51.513 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. 0.00 min  
 Lab File: VW010451.D  
 Acq: 20 May 2019 16:28

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.7  | 21.3  | 64.0  |
| 148     | 64.0  | 32.0  | 96.0  |

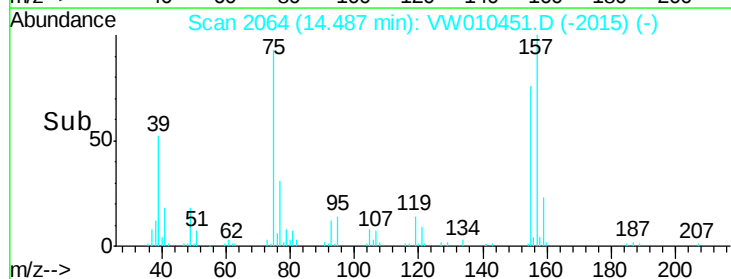
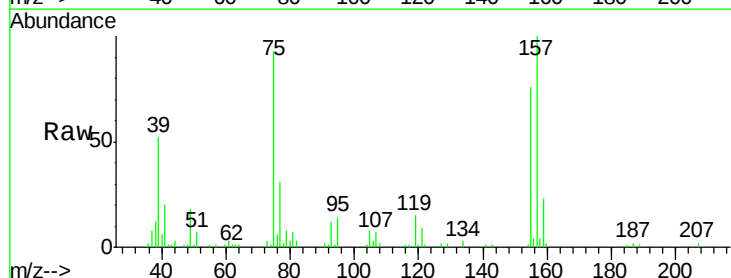
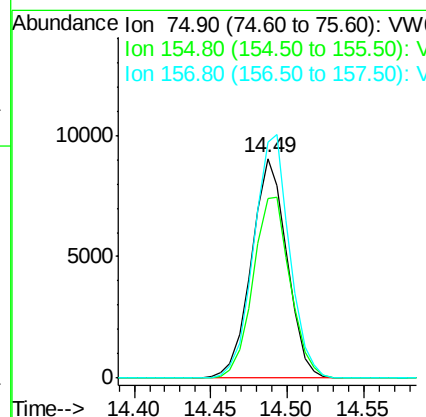
Manual Integrations  
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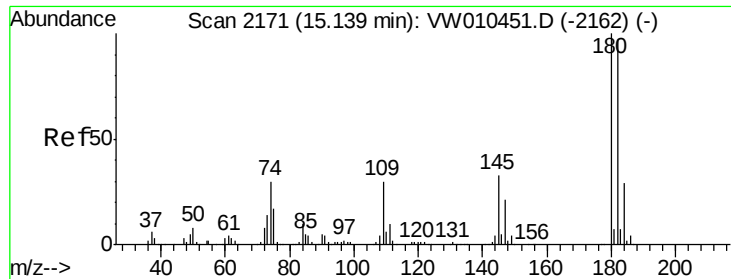
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 46.215 ug/l  
 RT: 14.49 min Scan# 2064  
 Delta R.T. 0.00 min  
 Lab File: VW010451.D  
 Acq: 20 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 86.0  | 43.0  | 129.0 |
| 157     | 111.4 | 55.7  | 167.1 |





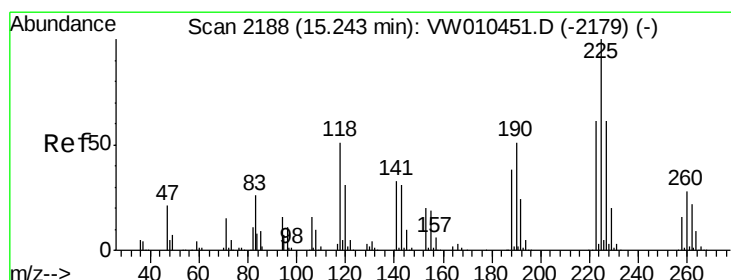
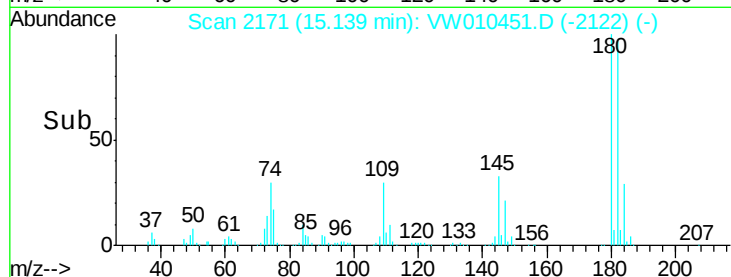
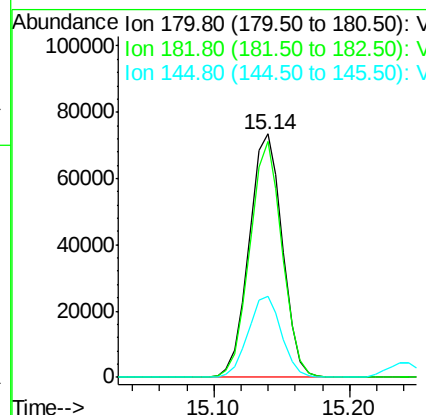
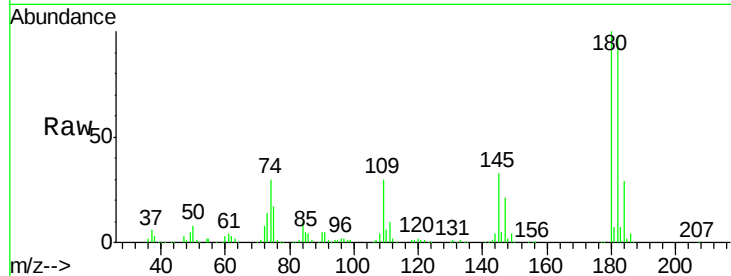
#93  
 1,2,4-Trichlorobenzene  
 Concen: 55.595 ug/l  
 RT: 15.14 min Scan# 2171  
 Delta R.T. 0.00 min  
 Lab File: VW010451.D  
 Acq: 20 May 2019 16:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 125880 |       |       |
| 182     | 94.1  | 47.0   | 141.2 |       |
| 145     | 33.3  | 16.7   | 50.0  |       |

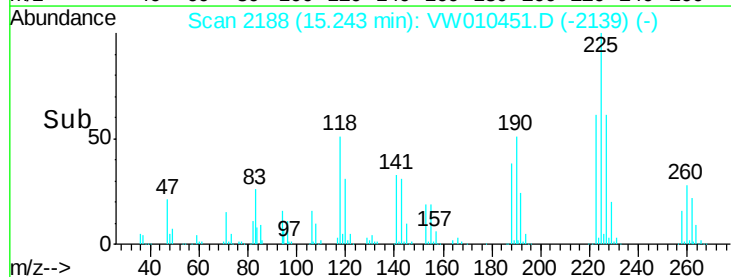
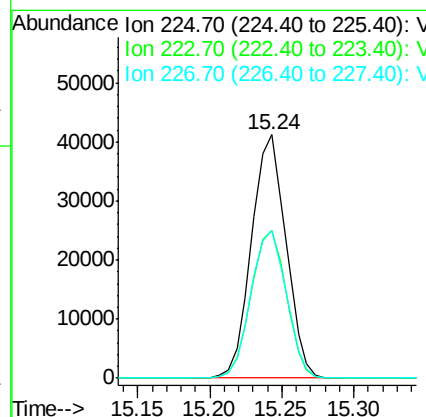
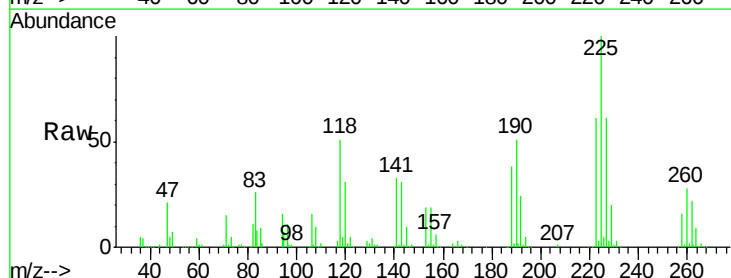
Manual Integrations  
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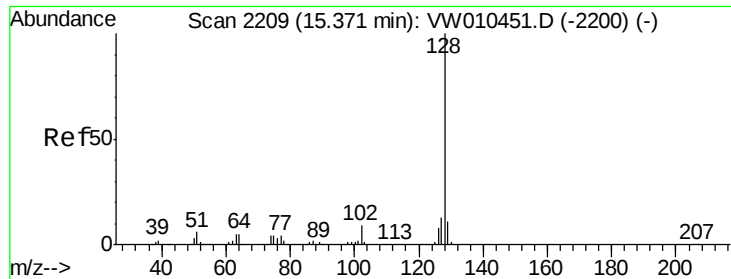
MMDadoda  
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#94  
 Hexachlorobutadiene  
 Concen: 56.012 ug/l  
 RT: 15.24 min Scan# 2188  
 Delta R.T. 0.00 min  
 Lab File: VW010451.D  
 Acq: 20 May 2019 16:28

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 68040 |       |       |
| 223     | 62.1  | 31.1  | 93.2  |       |
| 227     | 62.3  | 31.1  | 93.5  |       |





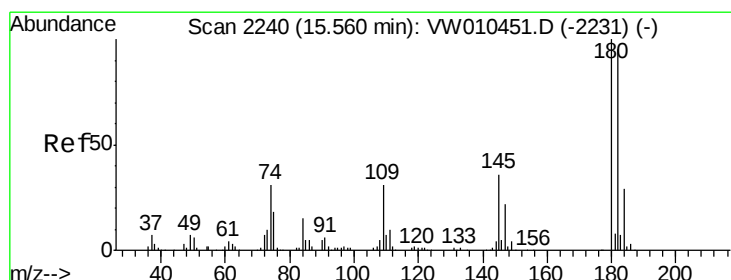
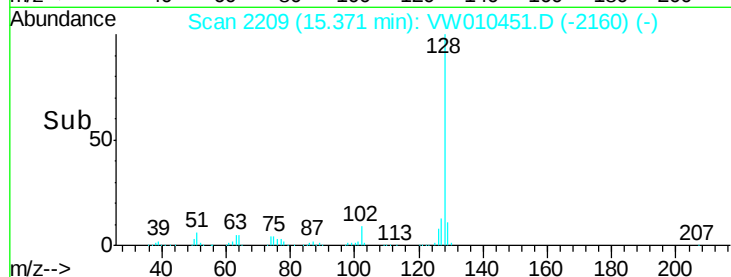
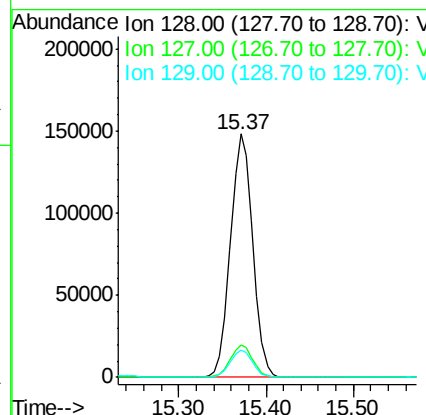
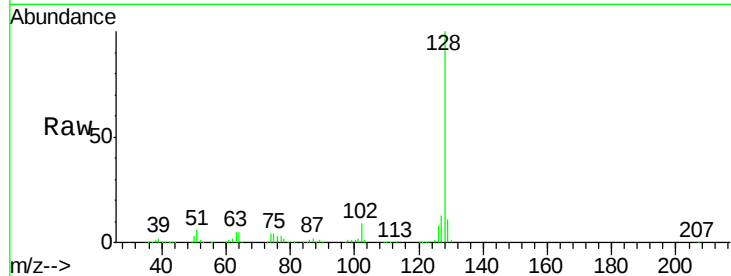
#95  
Naphthalene  
Concen: 51.823 ug/l  
RT: 15.37 min Scan# 2209  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 261429 |       |       |
| 127     | 13.2  |        | 10.6  | 15.8  |
| 129     | 11.1  |        | 8.9   | 13.3  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 54.571 ug/l  
RT: 15.56 min Scan# 2240  
Delta R.T. 0.00 min  
Lab File: VW010451.D  
Acq: 20 May 2019 16:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 108598 |       |       |
| 182     | 94.2  |        | 47.1  | 141.3 |
| 145     | 34.9  |        | 17.4  | 52.3  |

