

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040319\  
 Data File : VD061555.D  
 Acq On : 3 Apr 2019 14:37  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 4/4/2019 9:36:01 AM

Quant Time: Apr 04 02:22:27 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D032719S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 28 09:22:37 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.06  | 168  | 659465   | 50.00 | ug/l  | 0.04     |
| 34) 1,4-Difluorobenzene    | 8.22  | 114  | 1075152  | 50.00 | ug/l  | 0.03     |
| 63) Chlorobenzene-d5       | 12.38 | 117  | 845790   | 50.00 | ug/l  | 0.02     |
| 72) 1,4-Dichlorobenzene-d4 | 14.52 | 152  | 398838   | 50.00 | ug/l  | 0.01     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 7.47   | 65  | 283255   | 50.28 | ug/l    | 0.03 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.56% |      |
| 35) Dibromofluoromethane  | 6.93   | 113 | 431962   | 52.57 | ug/l    | 0.03 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.14% |      |
| 50) Toluene-d8            | 10.42  | 98  | 1058901  | 53.74 | ug/l    | 0.03 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.48% |      |
| 62) 4-Bromofluorobenzene  | 13.56  | 95  | 432050   | 57.17 | ug/l    | 0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 114.34% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.59 | 85  | 332190  | 47.167  | ug/l   | 100    |
| 3) Chloromethane              | 1.77 | 50  | 269145  | 46.858  | ug/l   | 98     |
| 4) Vinyl Chloride             | 1.86 | 62  | 259071  | 49.124  | ug/l   | 96     |
| 5) Bromomethane               | 2.16 | 94  | 53862   | 51.504  | ug/l   | 99     |
| 6) Chloroethane               | 2.28 | 64  | 88995   | 57.544  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 2.54 | 101 | 412041  | 53.729  | ug/l   | 99     |
| 8) Diethyl Ether              | 2.89 | 74  | 125945  | 51.008  | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.16 | 101 | 418756  | 50.791  | ug/l   | 97     |
| 10) Methyl Iodide             | 3.32 | 142 | 551837  | 44.442  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 4.07 | 59  | 92059   | 262.403 | ug/l   | 97     |
| 12) 1,1-Dichloroethene        | 3.14 | 96  | 353429  | 49.930  | ug/l   | 97     |
| 13) Acrolein                  | 3.04 | 56  | 75306   | 284.926 | ug/l   | 97     |
| 14) Allyl chloride            | 3.64 | 41  | 483507  | 48.973  | ug/l   | 97     |
| 15) Acrylonitrile             | 4.21 | 53  | 302527  | 248.448 | ug/l   | 98     |
| 16) Acetone                   | 3.23 | 43  | 437913  | 302.392 | ug/l   | 96     |
| 17) Carbon Disulfide          | 3.39 | 76  | 965197  | 41.968  | ug/l   | 99     |
| 18) Methyl Acetate            | 3.65 | 43  | 154075  | 50.602  | ug/l   | 95     |
| 19) Methyl tert-butyl Ether   | 4.25 | 73  | 591393  | 48.266  | ug/l   | 96     |
| 20) Methylene Chloride        | 3.83 | 84  | 384041  | 47.233  | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene  | 4.23 | 96  | 367264  | 48.057  | ug/l   | 99     |
| 22) Diisopropyl ether         | 5.12 | 45  | 1032646 | 49.427  | ug/l   | 91     |
| 23) Vinyl Acetate             | 5.06 | 43  | 2832305 | 249.572 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 4.99 | 63  | 595138  | 48.471  | ug/l   | 100    |
| 25) 2-Butanone                | 6.08 | 43  | 485099  | 266.295 | ug/l   | 97     |
| 26) 2,2-Dichloropropane       | 6.04 | 77  | 506290  | 51.871  | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 6.05 | 96  | 405770  | 48.462  | ug/l   | 93     |
| 28) Bromochloromethane        | 6.45 | 49  | 253185  | 51.083  | ug/l # | 99     |
| 29) Tetrahydrofuran           | 6.47 | 42  | 233029  | 263.921 | ug/l   | 98     |
| 30) Chloroform                | 6.68 | 83  | 654513  | 51.590  | ug/l   | 96     |
| 31) Cyclohexane               | 6.97 | 56  | 467254  | 48.157  | ug/l   | 97     |
| 32) 1,1,1-Trichloroethane     | 6.88 | 97  | 588975  | 52.622  | ug/l   | 96     |
| 36) 1,1-Dichloropropene       | 7.16 | 75  | 501206  | 53.413  | ug/l   | 99     |
| 37) Ethyl Acetate             | 6.19 | 43  | 216895  | 54.046  | ug/l   | 98     |
| 38) Carbon Tetrachloride      | 7.12 | 117 | 589460m | 54.667  | ug/l   |        |

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 Acq On : 3 Apr 2019 14:37  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 4/4/2019 9:36:01 AM

Quant Time: Apr 04 02:22:27 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D032719S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 28 09:22:37 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 8.87  | 83   | 512214   | 52.411   | ug/l   | 96       |
| 40) Benzene                    | 7.47  | 78   | 1175698  | 49.923   | ug/l   | 97       |
| 41) Methacrylonitrile          | 6.45  | 41   | 259116   | 55.221   | ug/l # | 96       |
| 42) 1,2-Dichloroethane         | 7.58  | 62   | 402534   | 57.141   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 9.25  | 43   | 304985   | 52.232   | ug/l   | 100      |
| 44) Trichloroethene            | 8.55  | 130  | 447496   | 51.059   | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 8.94  | 63   | 286425   | 47.964   | ug/l   | 98       |
| 46) Dibromomethane             | 9.07  | 93   | 213562   | 53.133   | ug/l   | 92       |
| 47) Bromodichloromethane       | 9.38  | 83   | 504435   | 55.916   | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.13  | 41   | 167598   | 52.008   | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.08  | 88   | 39742    | 1118.105 | ug/l # | 86       |
| 51) 4-Methyl-2-Pentanone       | 10.31 | 43   | 907241   | 255.385  | ug/l   | 97       |
| 52) Toluene                    | 10.52 | 92   | 789970   | 54.983   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.92 | 75   | 456649   | 55.714   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.04 | 75   | 535844   | 53.690   | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 11.20 | 97   | 258159   | 51.379   | ug/l   | 96       |
| 56) Ethyl methacrylate         | 11.05 | 69   | 293321   | 54.341   | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 11.41 | 76   | 399972   | 54.158   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.87  | 63   | 676318   | 257.282  | ug/l   | 96       |
| 59) 2-Hexanone                 | 11.54 | 43   | 714847   | 277.734  | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.69 | 129  | 398234   | 51.411   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.81 | 107  | 294901   | 50.685   | ug/l   | 97       |
| 64) Tetrachloroethene          | 11.26 | 164  | 343549   | 51.755   | ug/l   | 96       |
| 65) Chlorobenzene              | 12.41 | 112  | 909352   | 52.609   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 12.52 | 131  | 364470   | 54.458   | ug/l   | 97       |
| 67) Ethyl Benzene              | 12.53 | 91   | 1413533  | 53.576   | ug/l   | 97       |
| 68) m/p-Xylenes                | 12.67 | 106  | 1053047  | 105.366  | ug/l   | 96       |
| 69) o-Xylene                   | 13.06 | 106  | 498224   | 51.371   | ug/l   | 98       |
| 70) Styrene                    | 13.08 | 104  | 842486   | 49.832   | ug/l   | 97       |
| 71) Bromoform                  | 13.23 | 173  | 234391   | 55.248   | ug/l   | 98       |
| 73) Isopropylbenzene           | 13.41 | 105  | 1480993  | 53.352   | ug/l   | 99       |
| 74) N-amyl acetate             | 13.27 | 43   | 392296   | 50.732   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 13.71 | 83   | 279310   | 47.699   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 13.74 | 75   | 271806   | 47.178   | ug/l   | 100      |
| 77) Bromobenzene               | 13.68 | 156  | 403482   | 49.030   | ug/l   | 83       |
| 78) n-propylbenzene            | 13.78 | 91   | 1603172  | 47.193   | ug/l   | 95       |
| 79) 2-Chlorotoluene            | 13.84 | 91   | 978634   | 53.057   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 13.93 | 105  | 1088372  | 50.534   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 13.48 | 75   | 91371    | 52.015   | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 13.95 | 91   | 1047868  | 52.247   | ug/l   | 96       |
| 83) tert-Butylbenzene          | 14.19 | 119  | 1262955  | 46.922   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 14.24 | 105  | 1141176  | 48.941   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 14.38 | 105  | 1474188  | 51.556   | ug/l   | 96       |
| 86) p-Isopropyltoluene         | 14.49 | 119  | 1274365  | 52.705   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 14.46 | 146  | 671643   | 48.197   | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene        | 14.54 | 146  | 702157   | 51.668   | ug/l   | 97       |
| 89) n-Butylbenzene             | 14.80 | 91   | 1047798  | 47.214   | ug/l   | 99       |
| 90) Hexachloroethane           | 15.02 | 117  | 349402   | 51.151   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 14.81 | 146  | 540586   | 47.293   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 15.38 | 75   | 37866    | 55.135   | ug/l   | 94       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040319\  
Data File : VD061555.D  
Acq On : 3 Apr 2019 14:37  
Operator : VA/AP  
Sample : VSTDCCC050  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

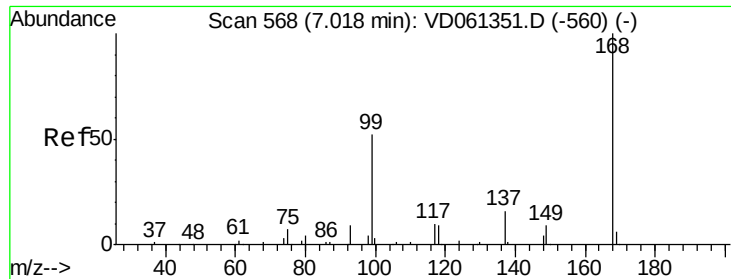
MMDadoda  
4/4/2019 9:36:01 AM

Quant Time: Apr 04 02:22:27 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D032719S.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 28 09:22:37 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.95 | 180  | 315255   | 60.544 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 16.04 | 225  | 231264   | 56.837 | ug/l  | 99       |
| 95) Naphthalene            | 16.13 | 128  | 475949   | 59.967 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 16.28 | 180  | 150994   | 65.898 | ug/l  | 96       |

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





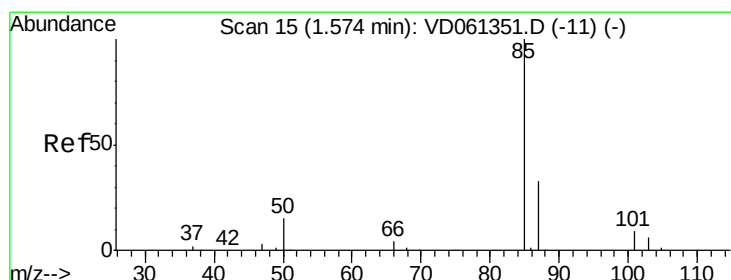
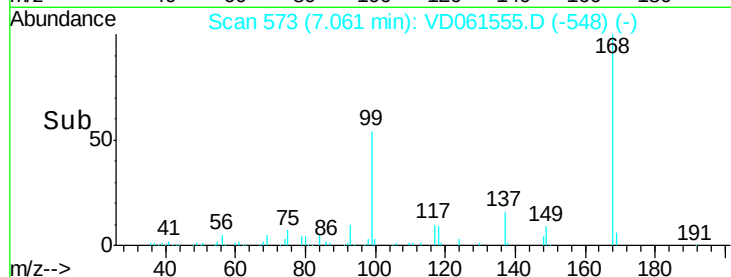
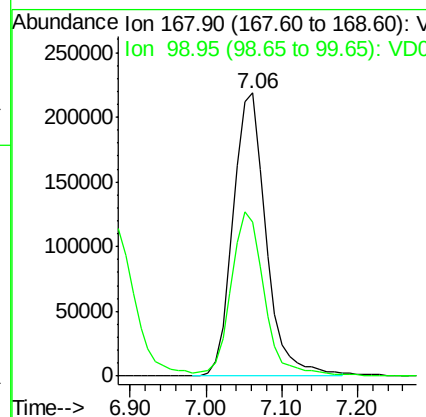
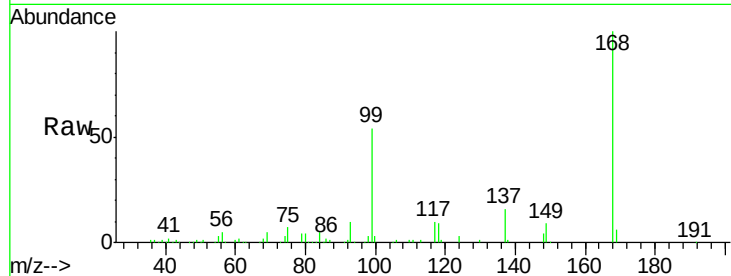
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.06 min Scan# 573  
Delta R.T. 0.04 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 99      | 54.4  | 43.1  | 64.7  |

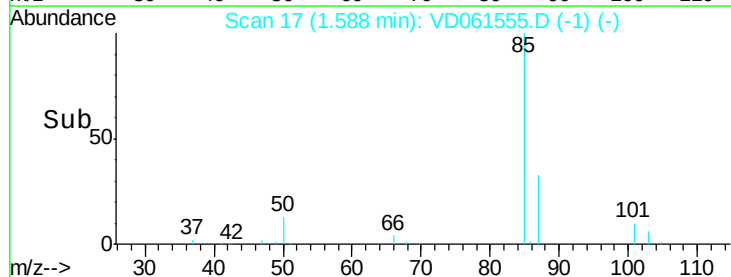
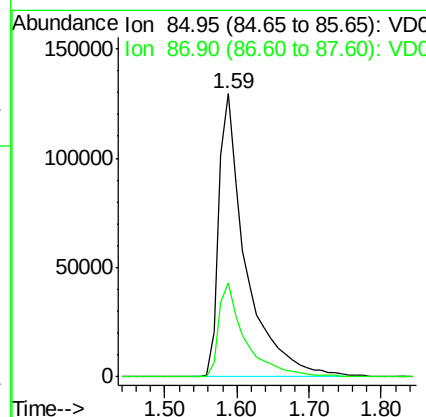
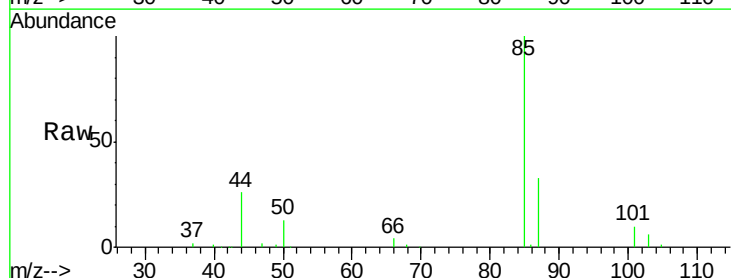
Manual Integrations  
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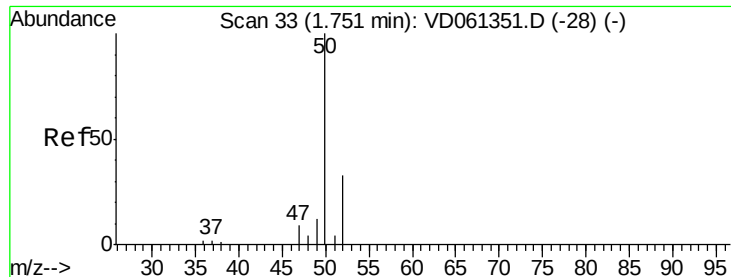
MMDadoda  
4/4/2019 9:36:01 AM



#2  
Dichlorodifluoromethane  
Concen: 47.167 ug/l  
RT: 1.59 min Scan# 17  
Delta R.T. 0.01 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 33.1  | 16.6  | 49.7  |





#3

Chloromethane

Concen: 46.858 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 269145

Ion Ratio Lower Upper

50 100

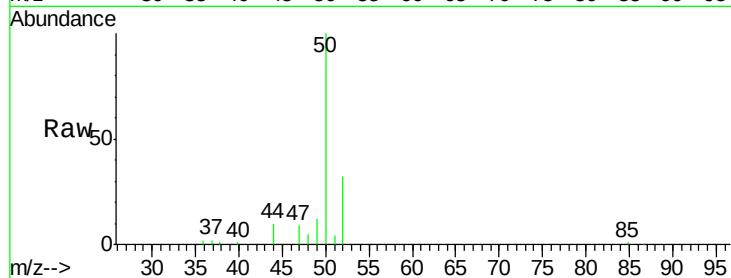
52 31.6 26.1 39.1

Manual Integrations

APPROVED

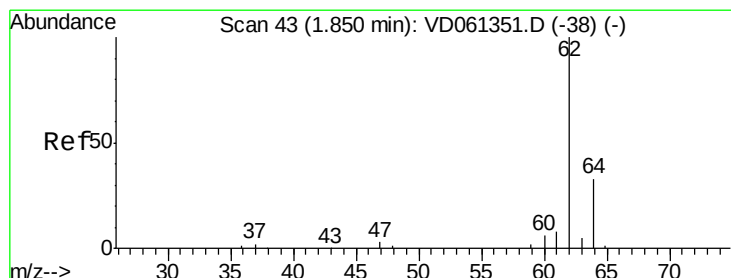
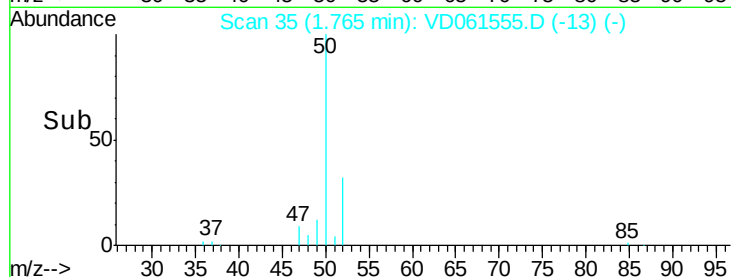
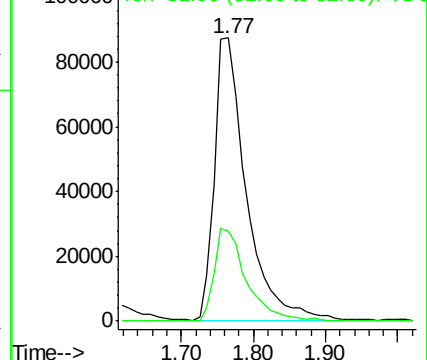
MMDadoda

4/4/2019 9:36:01 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.124 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.01 min

Lab File: VD061555.D

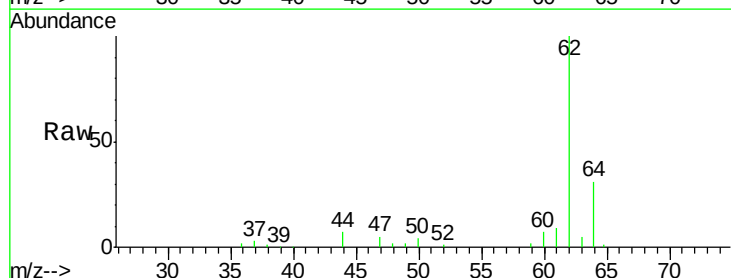
Acq: 3 Apr 2019 14:37

Tgt Ion: 62 Resp: 259071

Ion Ratio Lower Upper

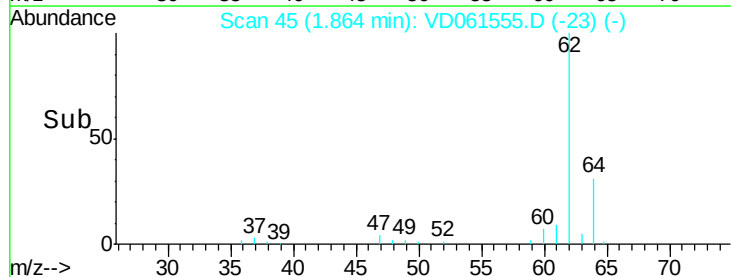
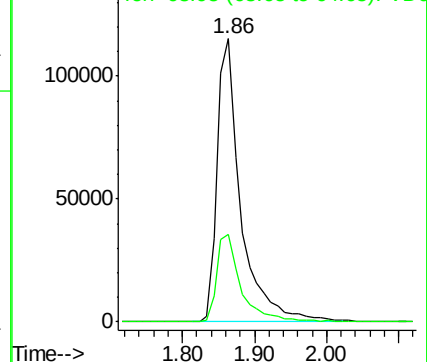
62 100

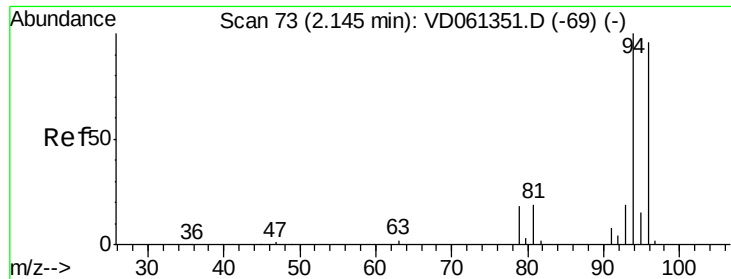
64 30.7 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





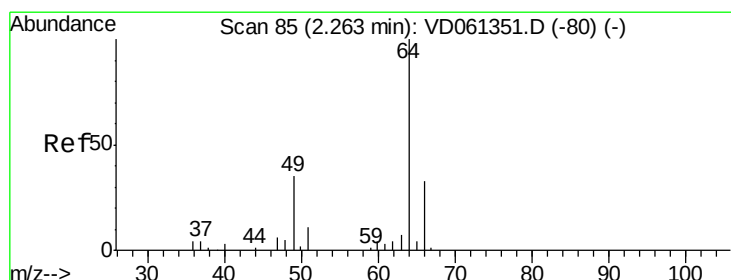
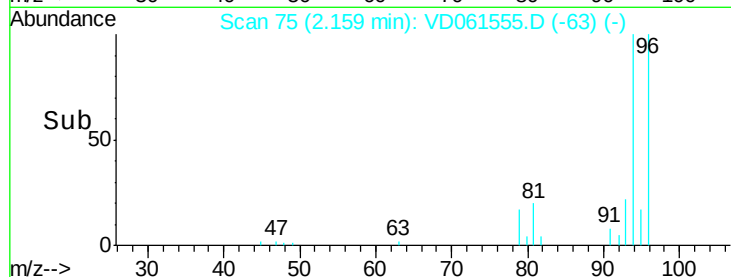
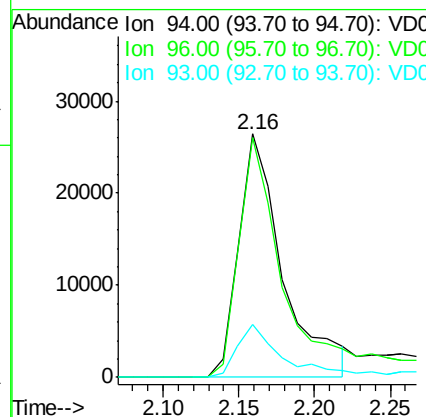
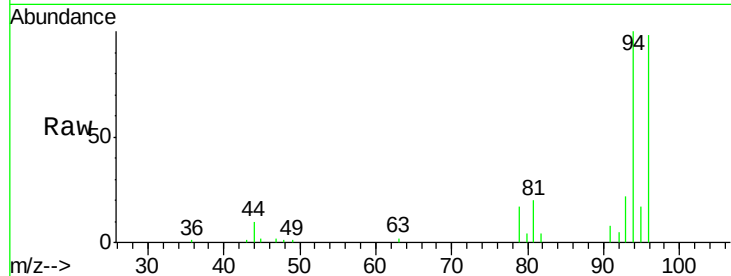
#5  
Bromomethane  
Concen: 51.504 ug/l  
RT: 2.16 min Scan# 75  
Delta R.T. 0.01 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 96      | 98.3  | 78.3  | 117.5 |
| 93      | 21.5  | 15.6  | 23.4  |

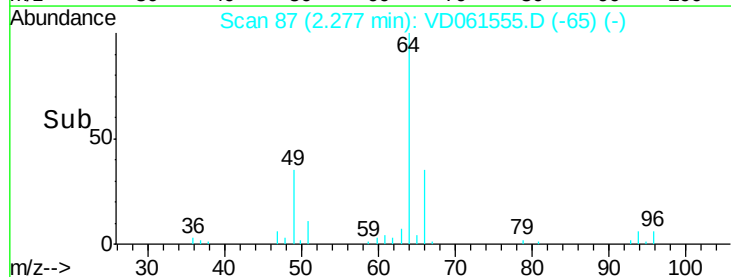
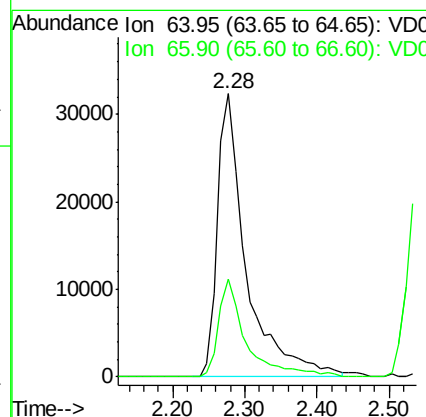
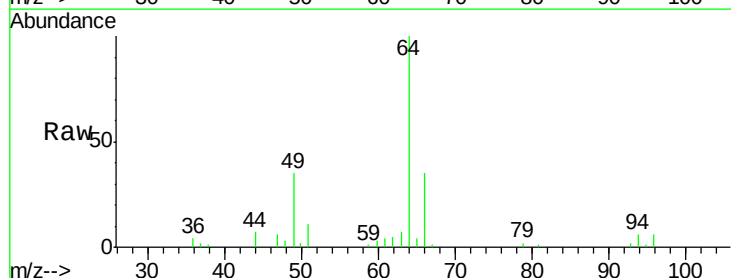
Manual Integrations  
APPROVED

MMDadoda  
4/4/2019 9:36:01 AM

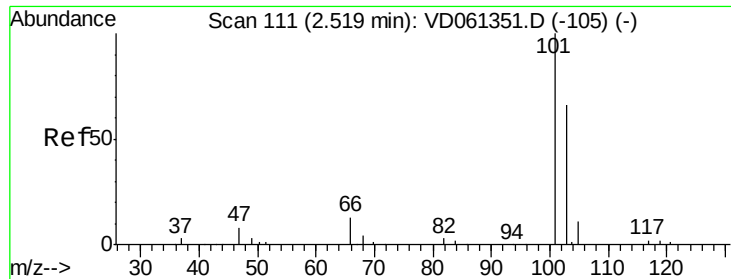


#6  
Chloroethane  
Concen: 57.544 ug/l  
RT: 2.28 min Scan# 87  
Delta R.T. 0.01 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 64      | 100   |       |       |
| 66      | 34.5  | 26.2  | 39.2  |







#7

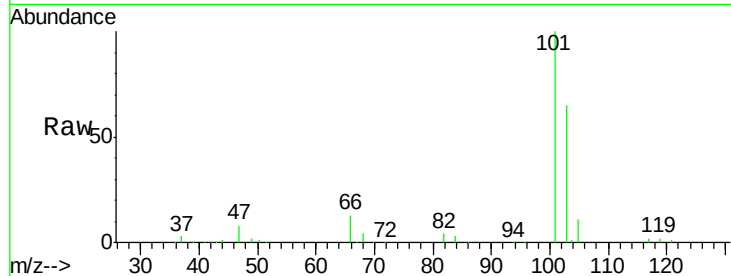
Trichlorofluoromethane  
Concen: 53.729 ug/l  
RT: 2.54 min Scan# 114  
Delta R.T. 0.02 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

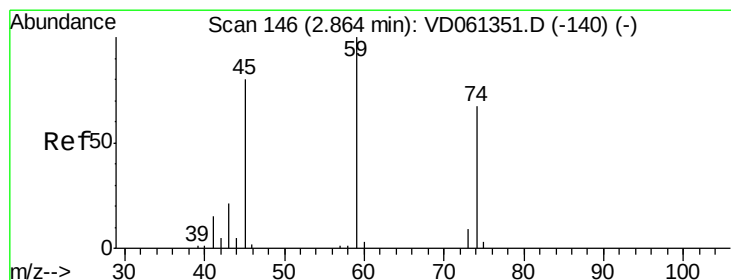
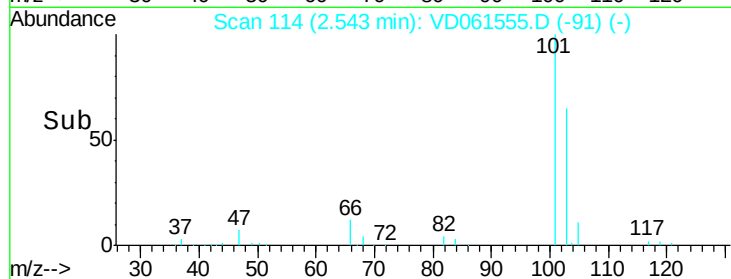
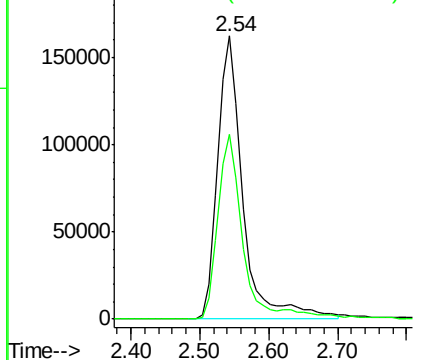
Tot Ion:101 Resp: 412041  
Ion Ratio Lower Upper  
101 100  
103 65.5 53.1 79.7

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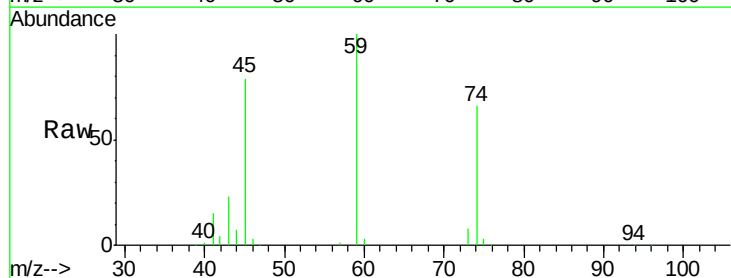
Abundance Ion 100.85 (100.55 to 101.55): V  
Ion 102.85 (102.55 to 103.55): V



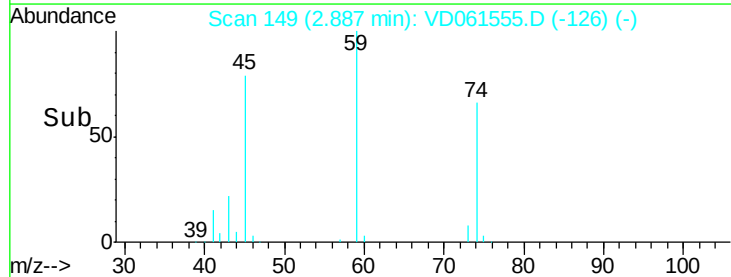
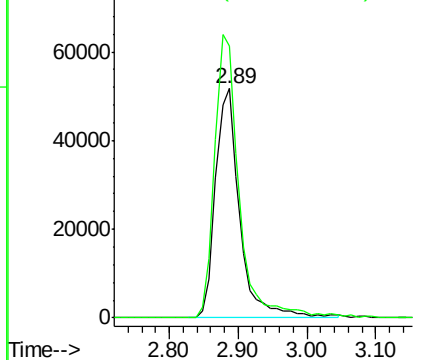
#8

Diethyl Ether  
Concen: 51.008 ug/l  
RT: 2.89 min Scan# 149  
Delta R.T. 0.02 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

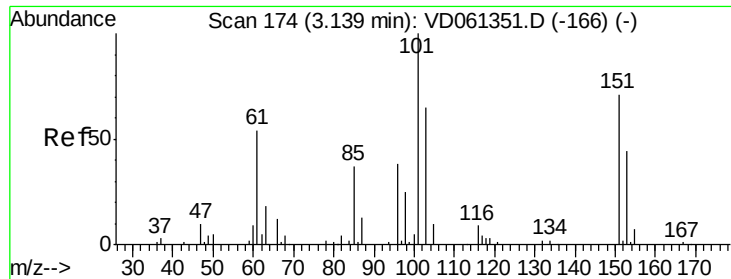
Tgt Ion: 74 Resp: 125945  
Ion Ratio Lower Upper  
74 100  
45 118.8 59.7 179.1



Abundance Ion 74.00 (73.70 to 74.70): VDC  
Ion 45.05 (44.75 to 45.75): VDC







#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.791 ug/l

RT: 3.16 min Scan# 177

Delta R.T. 0.02 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA\_D

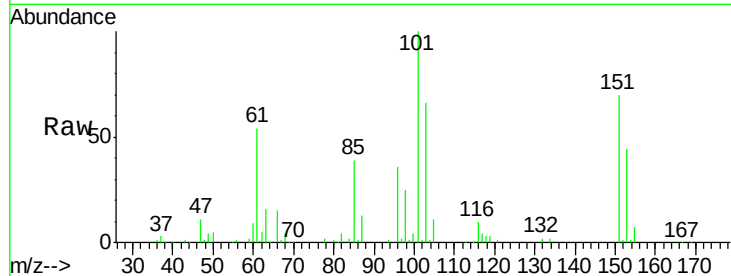
ClientSampleId :

VSTDCCC050

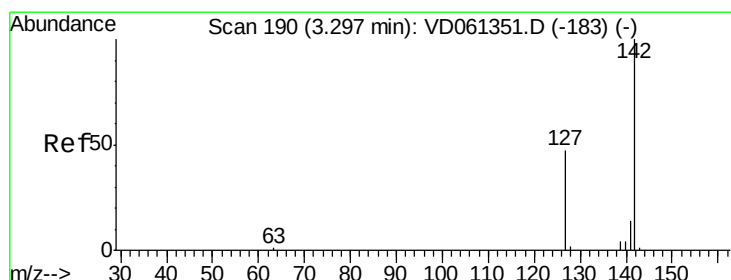
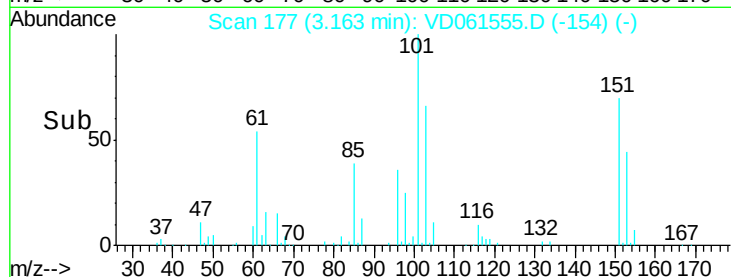
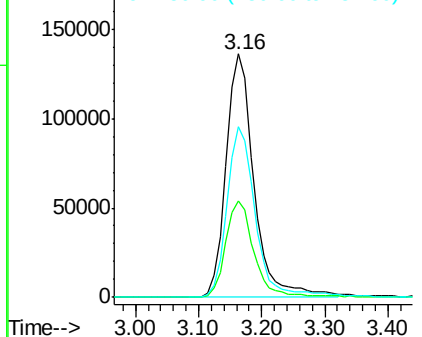
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 418756 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 39.3  | 29.4  | 44.0   |
| 151       | 69.9  | 57.0  | 85.4   |

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Abundance Ion 100.85 (100.55 to 101.55): V  
Ion 84.95 (84.65 to 85.65): V  
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 44.442 ug/l

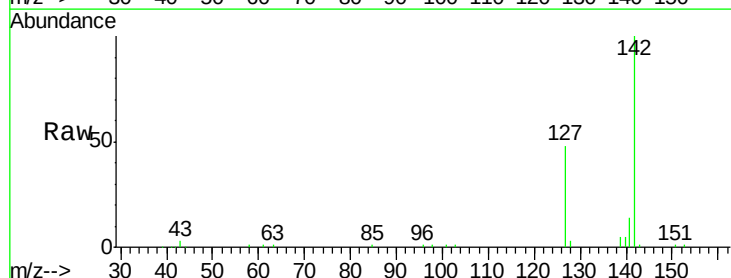
RT: 3.32 min Scan# 193

Delta R.T. 0.02 min

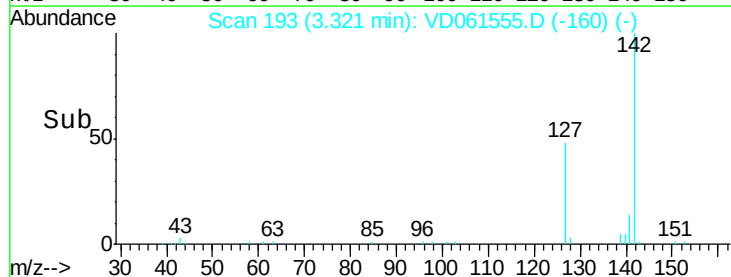
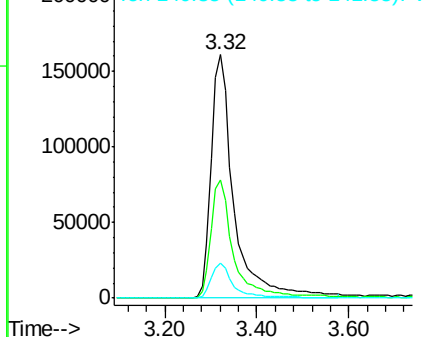
Lab File: VD061555.D

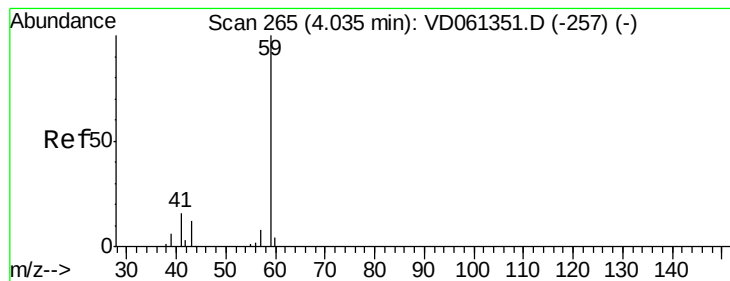
Acq: 3 Apr 2019 14:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 551837 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 48.4  | 37.7  | 56.5   |
| 141       | 14.2  | 11.5  | 17.3   |



Abundance Ion 141.85 (141.55 to 142.55): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.85 (140.55 to 141.55): V





#11

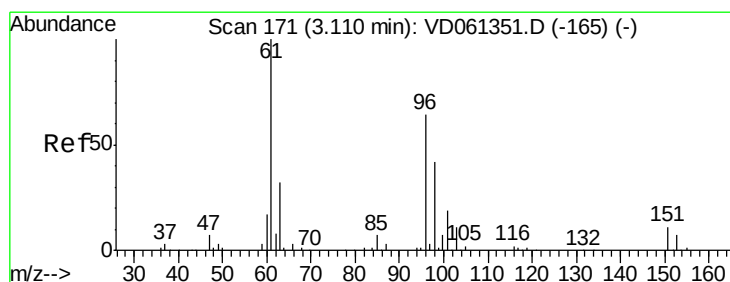
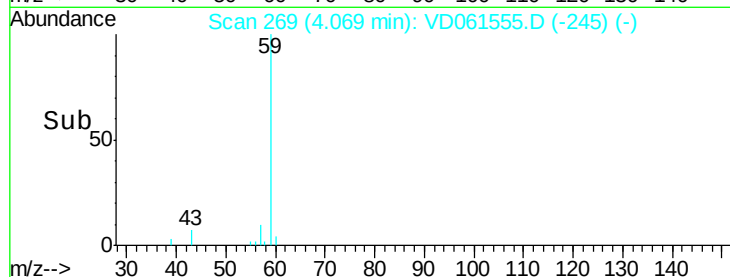
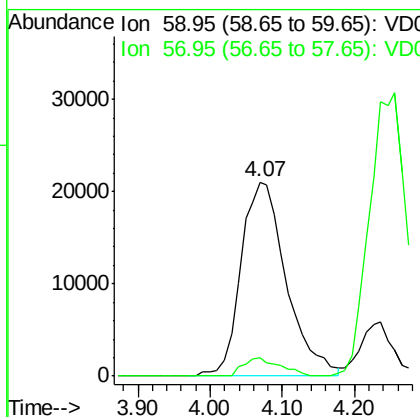
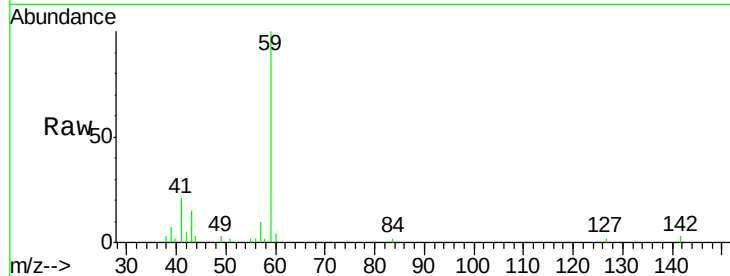
Tert butyl alcohol  
Concen: 262.403 ug/l  
RT: 4.07 min Scan# 269  
Delta R.T. 0.03 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.5   | 6.7   | 10.1  |

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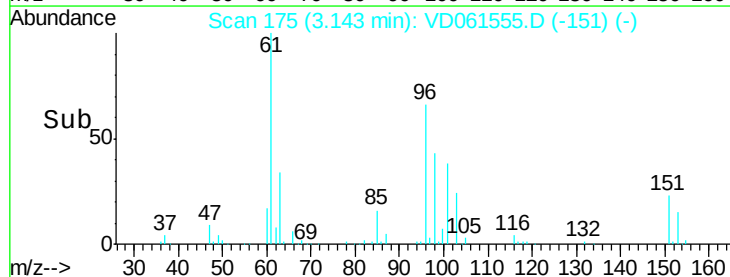
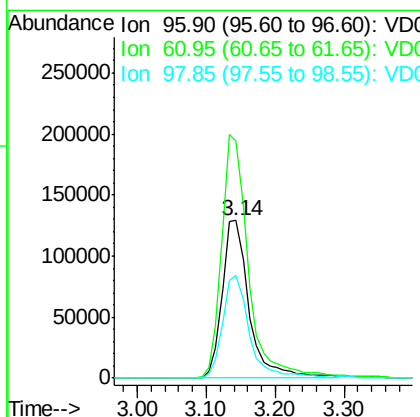
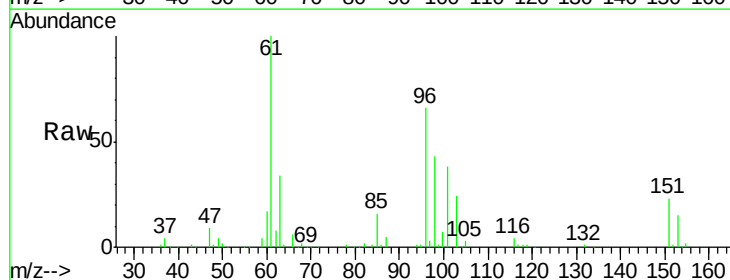
MMDadoda  
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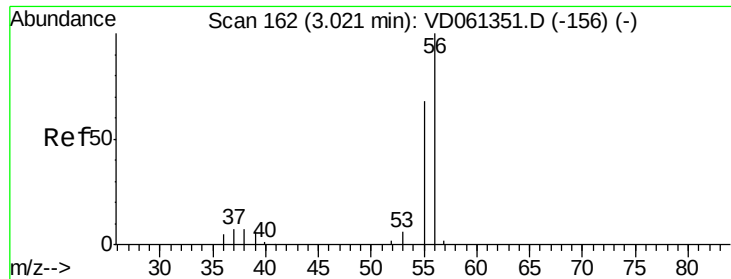


#12

1,1-Dichloroethene  
Concen: 49.930 ug/l  
RT: 3.14 min Scan# 175  
Delta R.T. 0.03 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 150.8 | 124.9 | 187.3 |
| 98      | 65.5  | 52.5  | 78.7  |





#13

Acrolein

Concen: 284.926 ug/l

RT: 3.04 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Tot Ion: 56 Resp: 75306

Ion Ratio Lower Upper

56 100

55 70.9 54.6 82.0

Instrument :

MSVOA\_D

ClientSampleId :

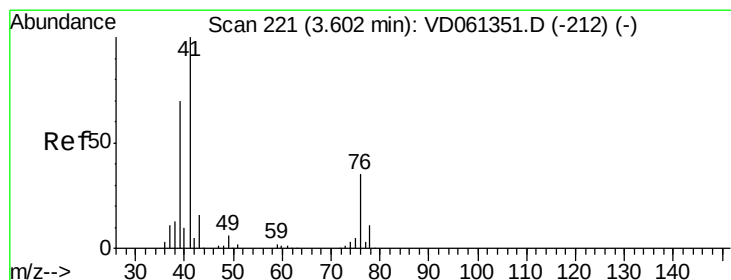
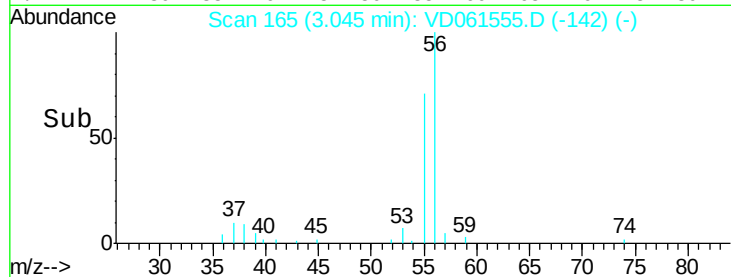
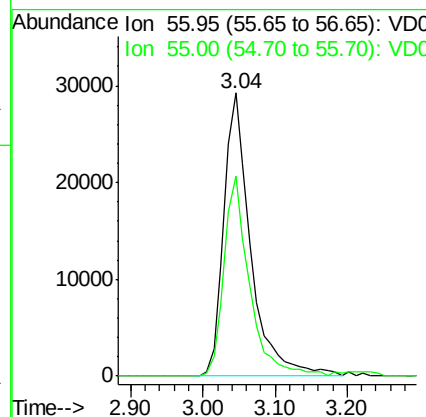
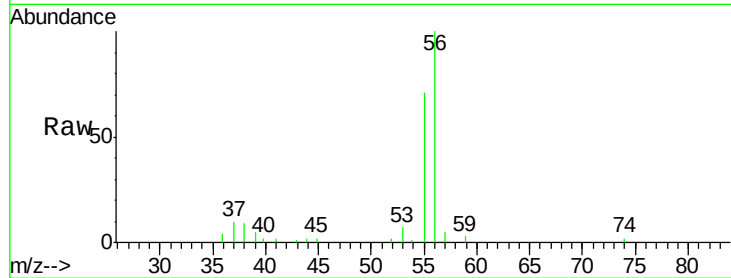
VSTDCCC050

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#14

Allyl chloride

Concen: 48.973 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.03 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

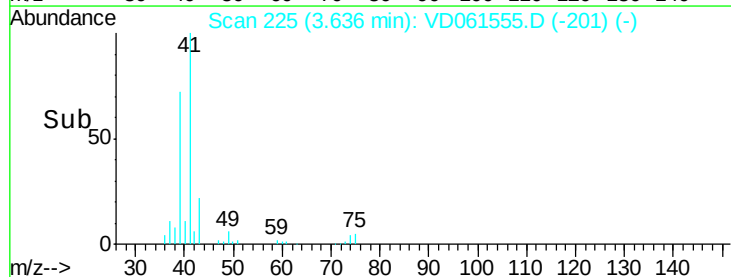
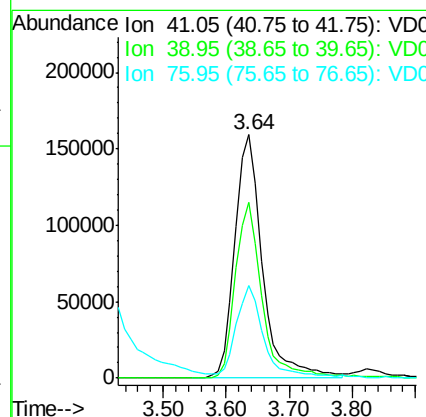
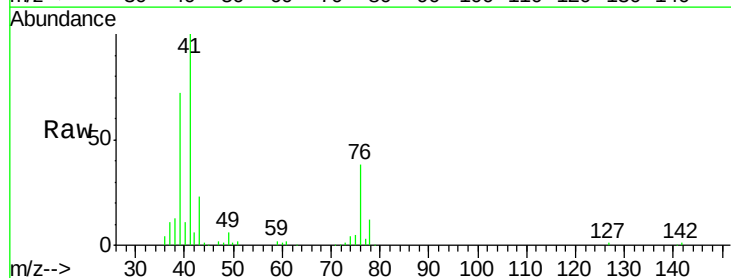
Tgt Ion: 41 Resp: 483507

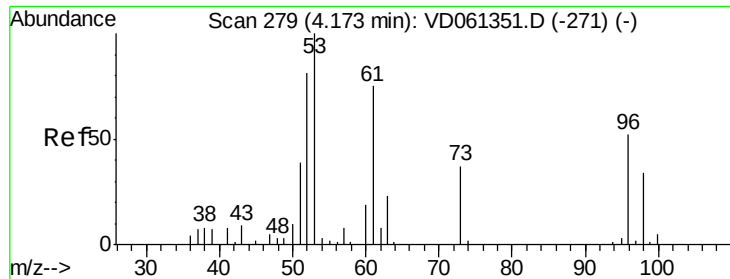
Ion Ratio Lower Upper

41 100

39 72.2 55.6 83.4

76 38.1 31.0 46.6





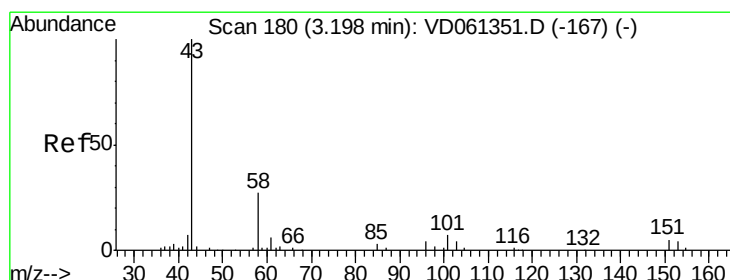
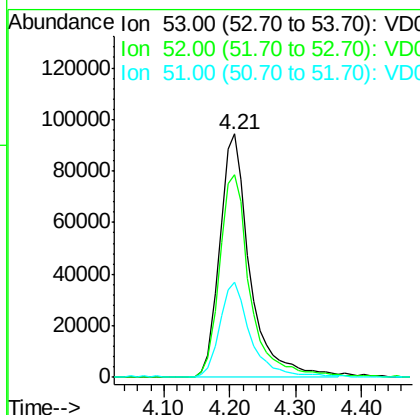
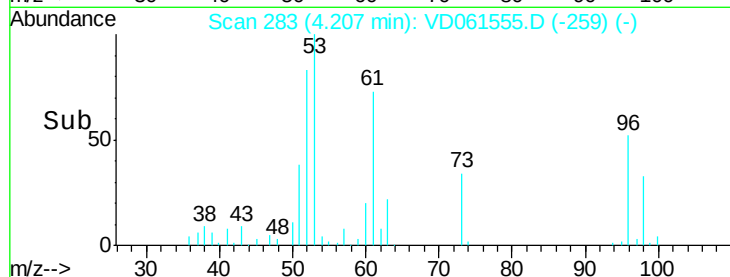
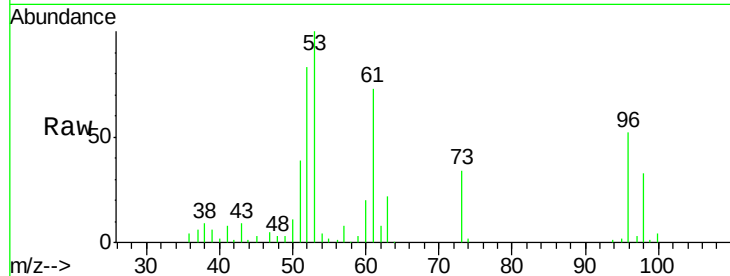
#15  
Acrylonitrile  
Concen: 248.448 ug/l  
RT: 4.21 min Scan# 283  
Delta R.T. 0.03 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 83.1  | 64.8  | 97.2  |
| 51      | 38.9  | 31.4  | 47.2  |

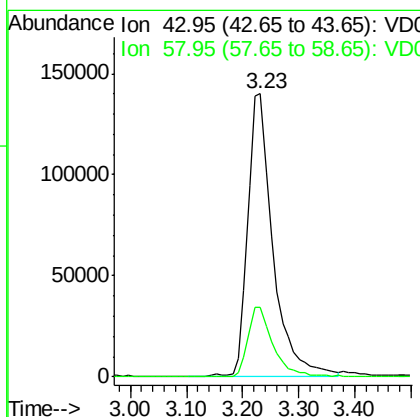
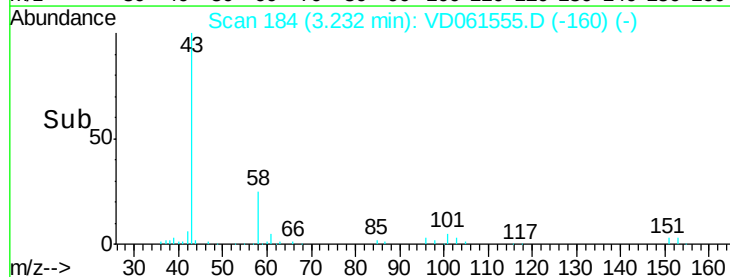
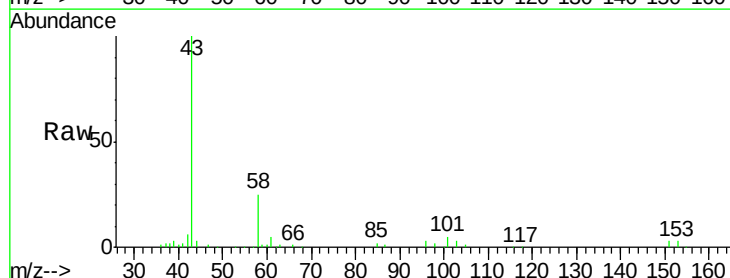
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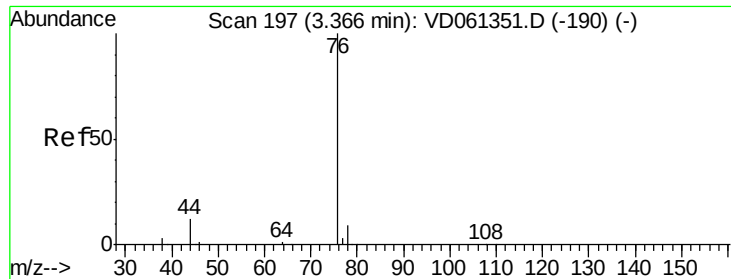
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#16  
Acetone  
Concen: 302.392 ug/l  
RT: 3.23 min Scan# 184  
Delta R.T. 0.03 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 24.7  | 21.5  | 32.3  |





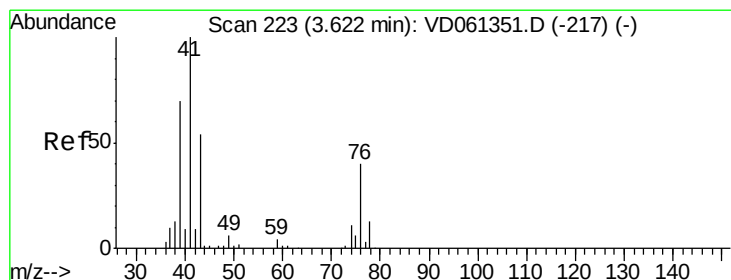
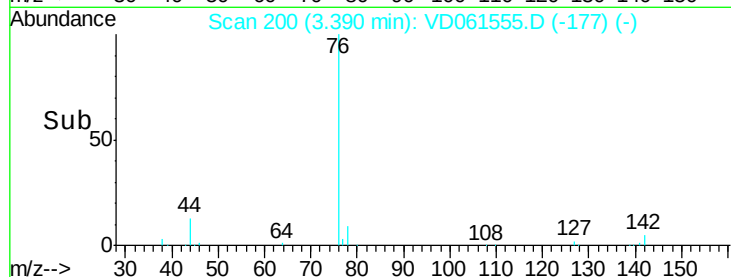
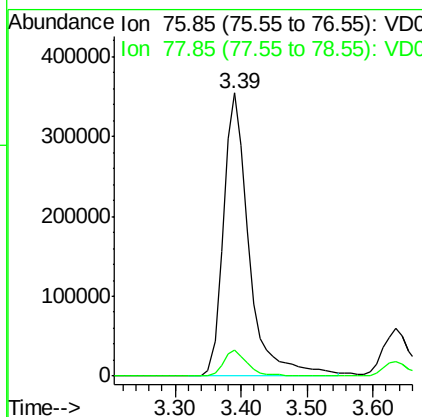
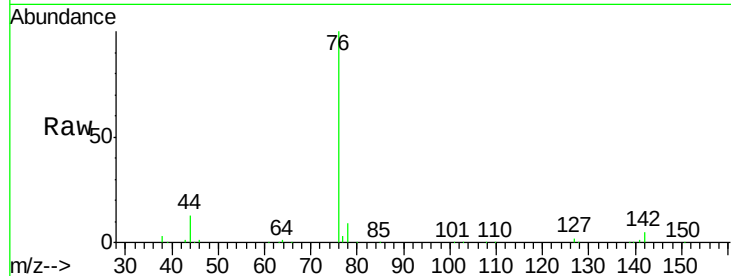
#17  
Carbon Disulfide  
Concen: 41.968 ug/l  
RT: 3.39 min Scan# 200  
Delta R.T. 0.02 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 76 Resp: 965197  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.1 10.7

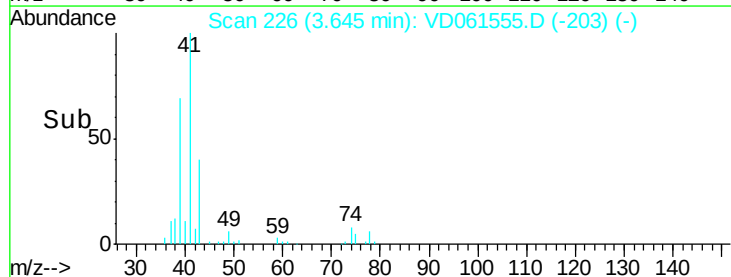
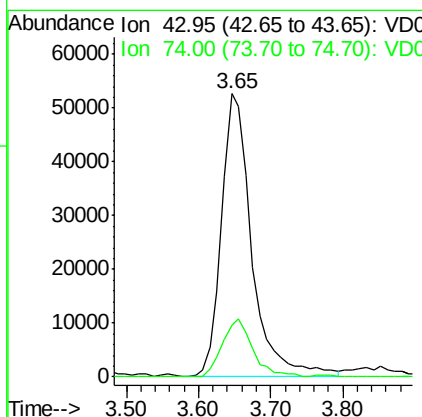
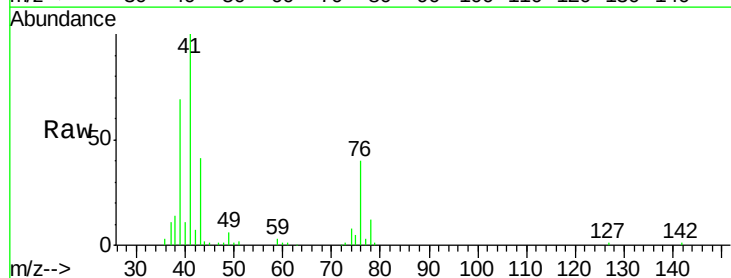
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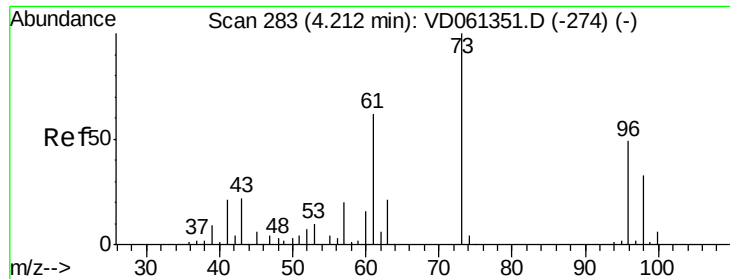
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#18  
Methyl Acetate  
Concen: 50.602 ug/l  
RT: 3.65 min Scan# 226  
Delta R.T. 0.02 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Tgt Ion: 43 Resp: 154075  
Ion Ratio Lower Upper  
43 100  
74 18.5 16.7 25.1





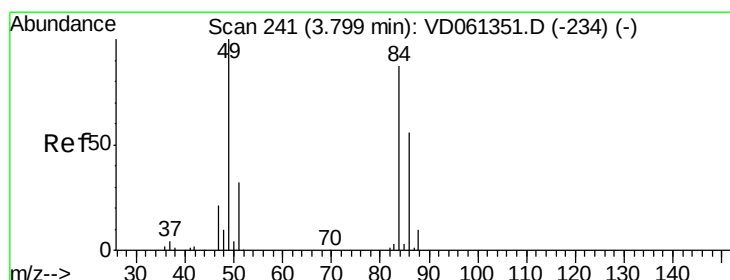
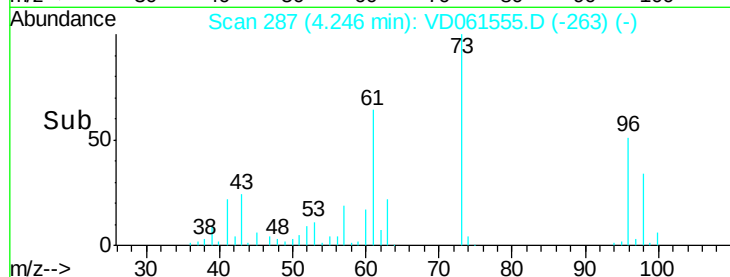
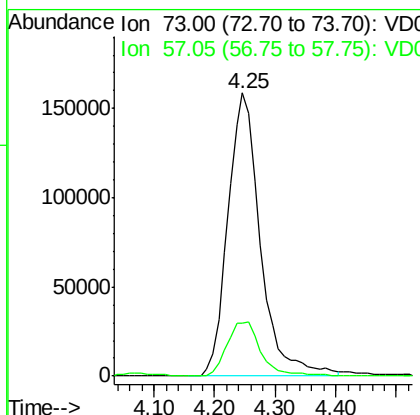
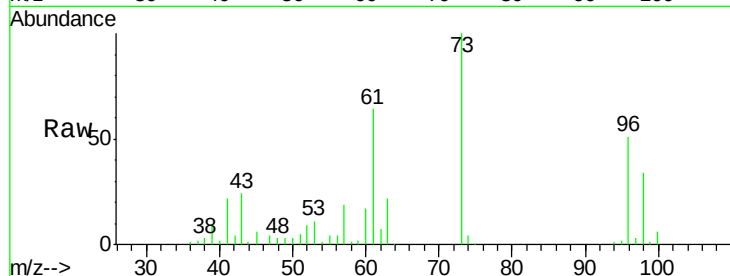
#19  
Methyl tert-butyl Ether  
Concen: 48.266 ug/l  
RT: 4.25 min Scan# 287  
Delta R.T. 0.03 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 591393  
Ion Ratio Lower Upper  
73 100  
57 18.5 16.4 24.6

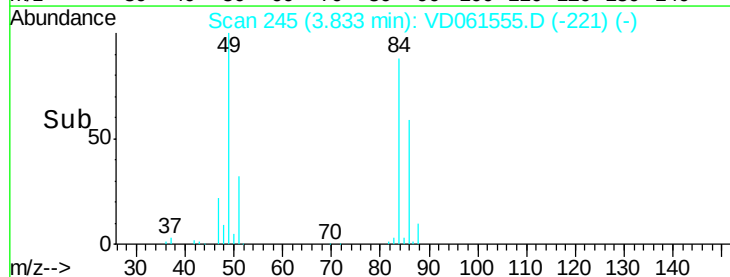
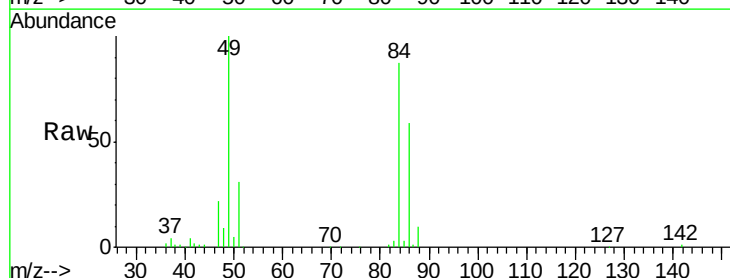
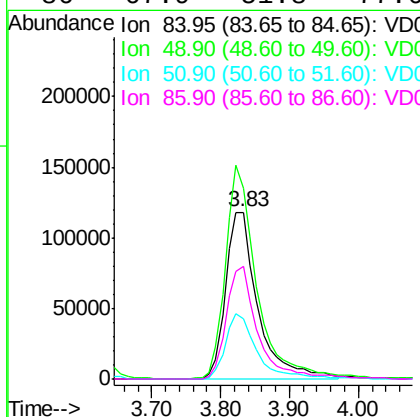
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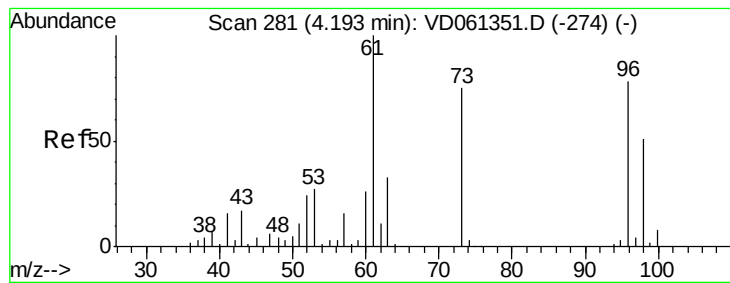
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#20  
Methylene Chloride  
Concen: 47.233 ug/l  
RT: 3.83 min Scan# 245  
Delta R.T. 0.03 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Tgt Ion: 84 Resp: 384041  
Ion Ratio Lower Upper  
84 100  
49 114.7 91.8 137.8  
51 36.0 29.8 44.8  
86 67.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 48.057 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 367264

Ion Ratio Lower Upper

96 100

61 128.3 102.7 154.1

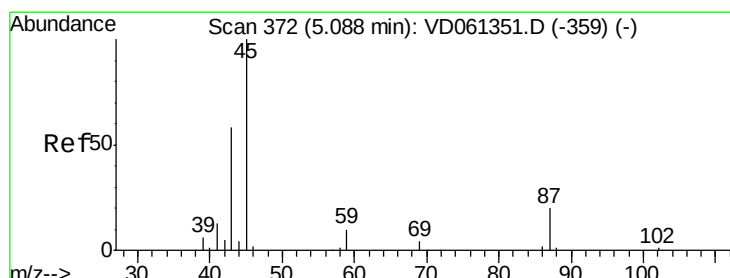
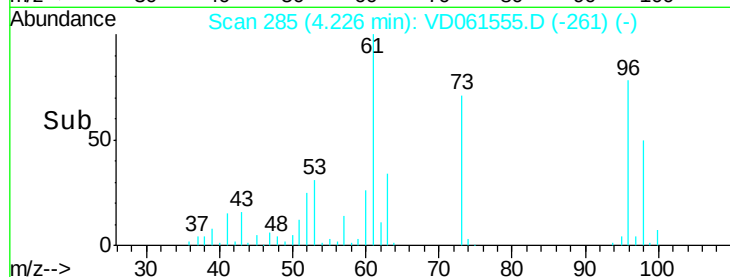
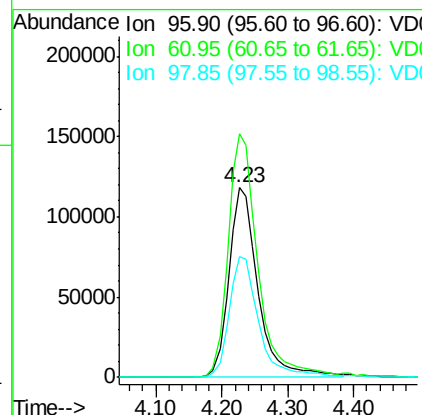
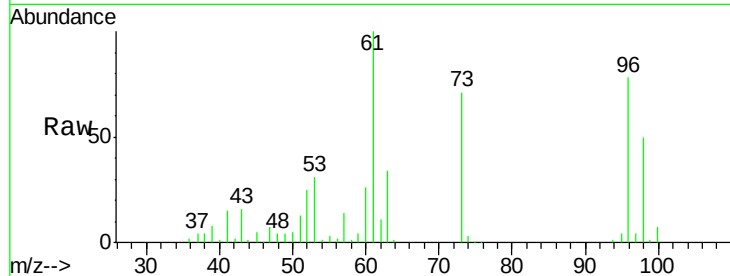
98 63.9 52.2 78.4

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#22

Diisopropyl ether

Concen: 49.427 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.03 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Tgt Ion: 45 Resp: 1032646

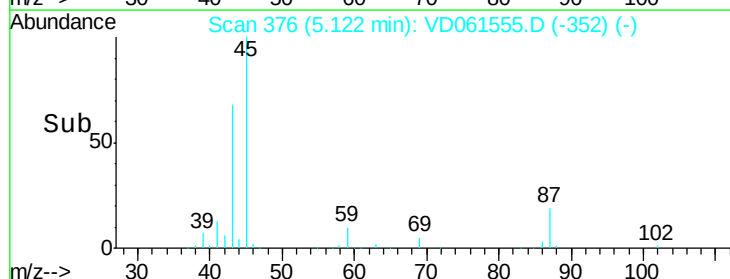
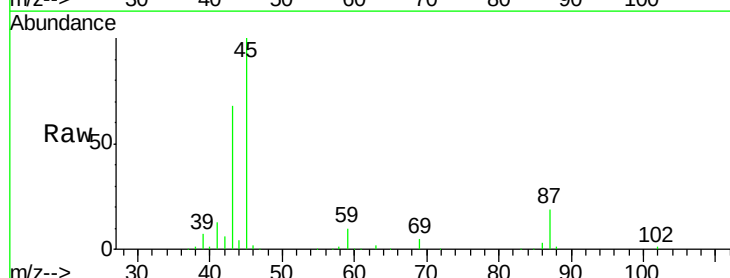
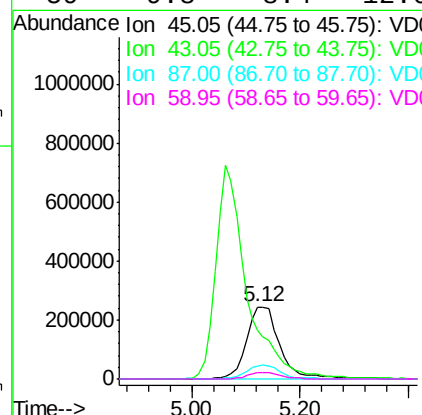
Ion Ratio Lower Upper

45 100

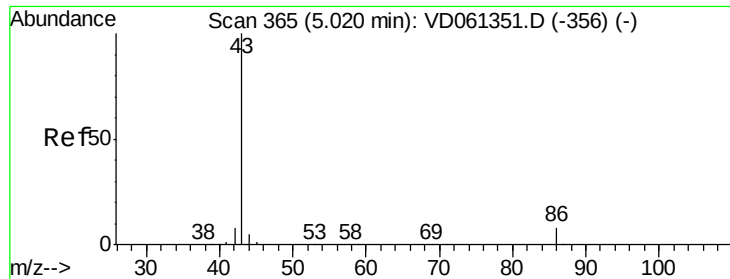
43 67.8 47.4 71.2

87 18.6 16.3 24.5

59 9.8 8.4 12.6







#23

Vinyl Acetate

Concen: 249.572 ug/l

RT: 5.06 min Scan# 370

Delta R.T. 0.04 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2832305

Ion Ratio Lower Upper

43 100

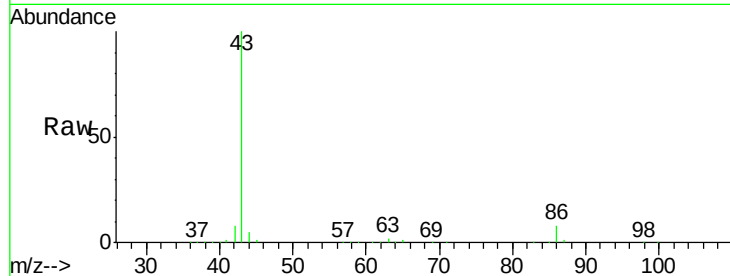
86 7.9 6.7 10.1

Manual Integrations

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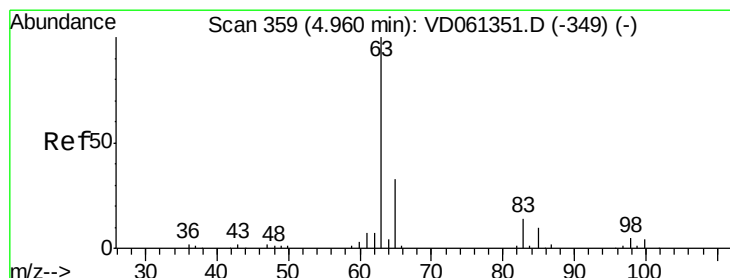
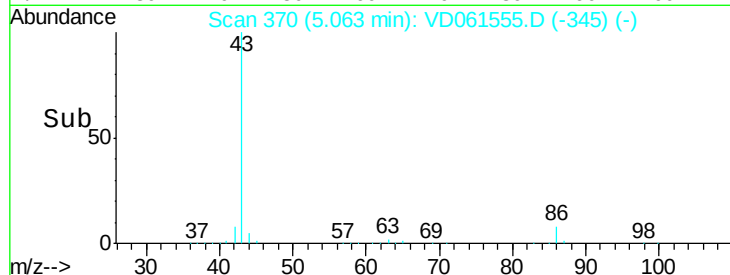
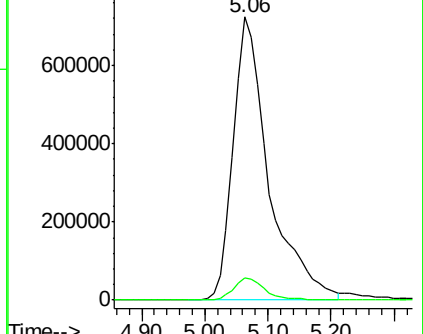
MMDadoda

4/4/2019 9:36:01 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.471 ug/l

RT: 4.99 min Scan# 363

Delta R.T. 0.03 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

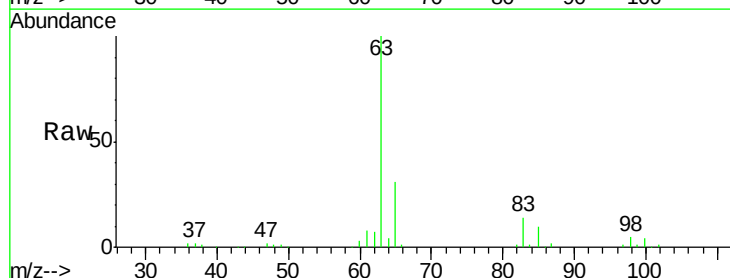
Tgt Ion: 63 Resp: 595138

Ion Ratio Lower Upper

63 100

98 5.1 2.6 8.0

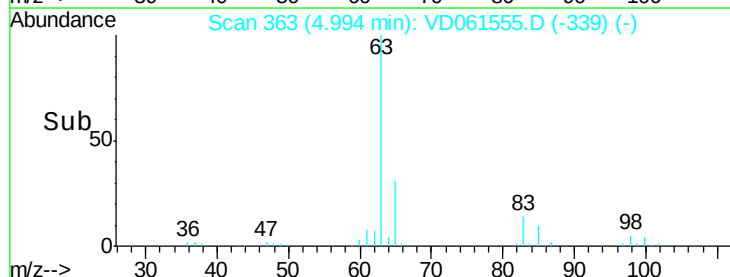
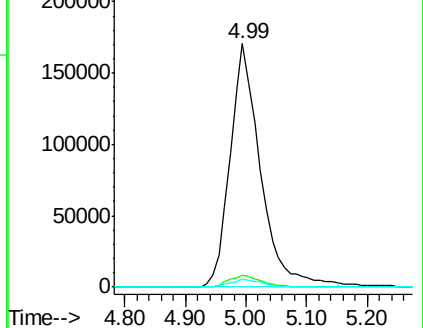
100 3.6 1.8 5.3

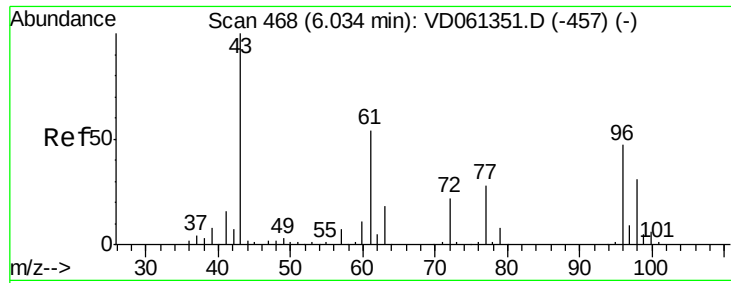


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 266.295 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.04 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Tot Ion: 43 Resp: 485099

Ion Ratio Lower Upper

43 100

72 23.0 17.2 25.8

Instrument :

MSVOA\_D

ClientSampleId :

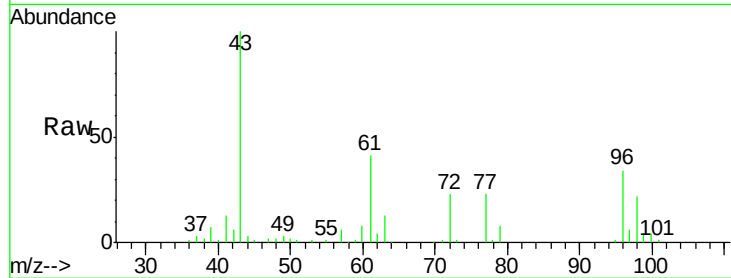
VSTDCCC050

Manual Integrations

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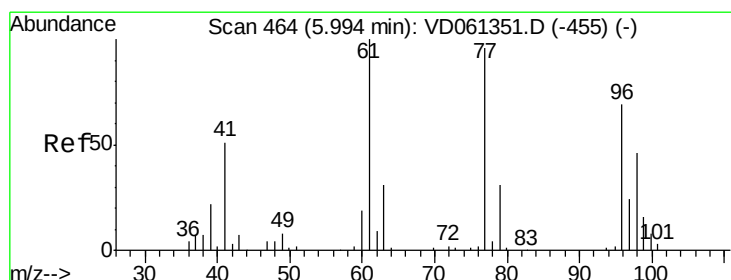
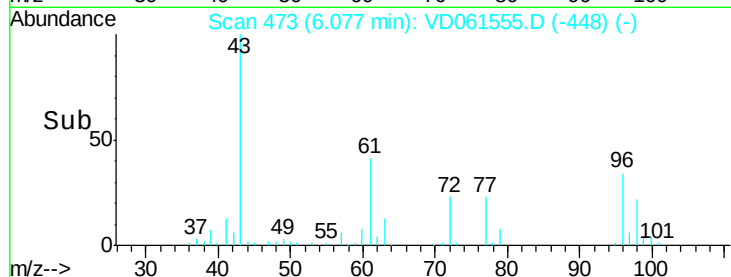
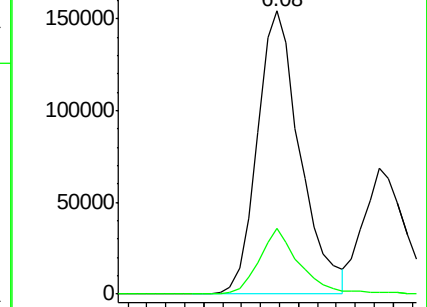
MMDadoda

4/4/2019 9:36:01 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.871 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.04 min

Lab File: VD061555.D

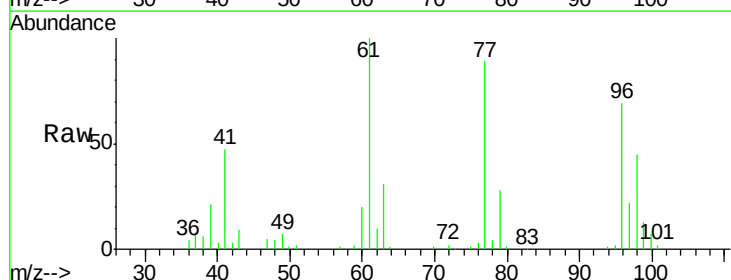
Acq: 3 Apr 2019 14:37

Tgt Ion: 77 Resp: 506290

Ion Ratio Lower Upper

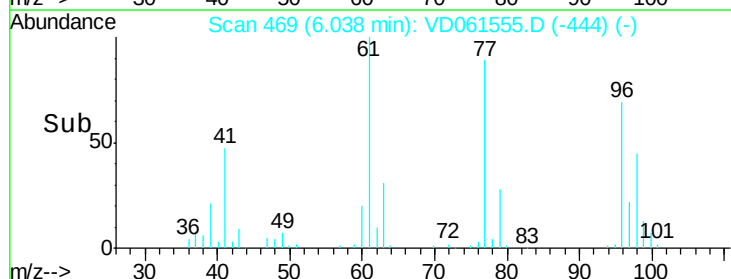
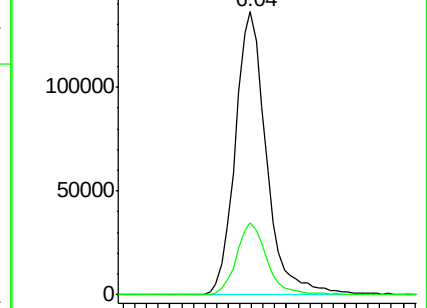
77 100

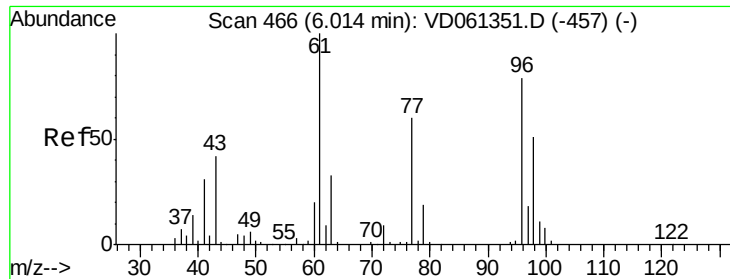
97 25.4 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





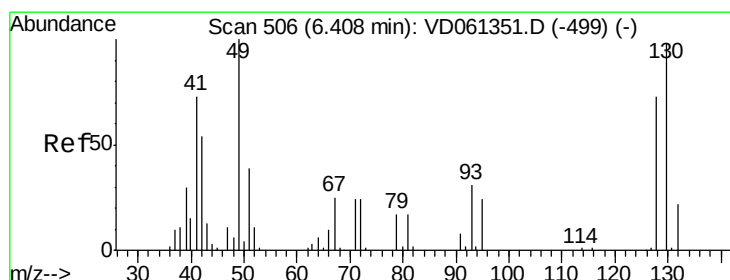
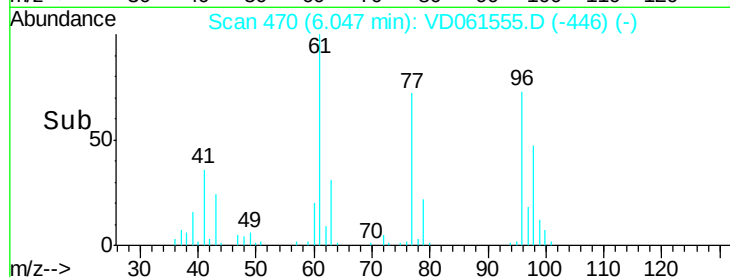
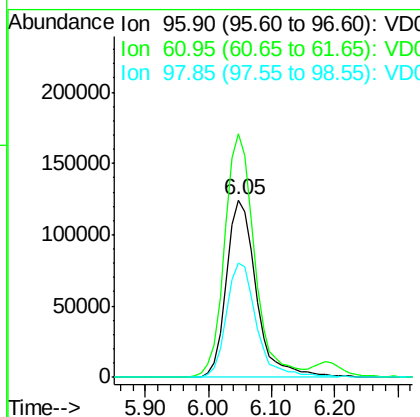
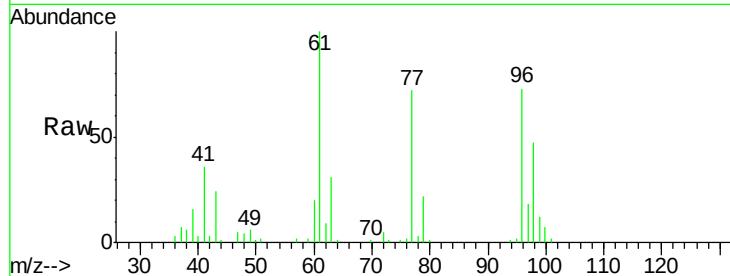
#27  
 cis-1,2-Dichloroethene  
 Concen: 48.462 ug/l  
 RT: 6.05 min Scan# 470  
 Delta R.T. 0.03 min  
 Lab File: VD061555.D  
 Acq: 3 Apr 2019 14:37

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 405770 |       |       |
| 61      | 137.2 | 0.0    | 251.6 |       |
| 98      | 64.6  | 0.0    | 129.2 |       |

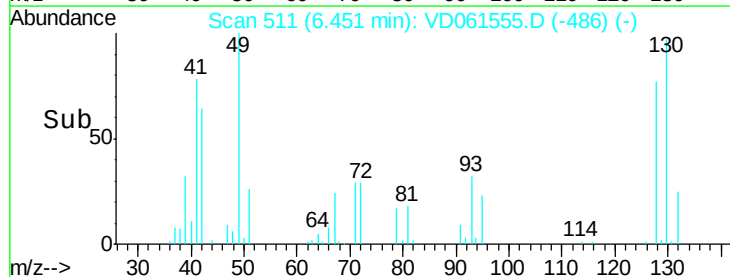
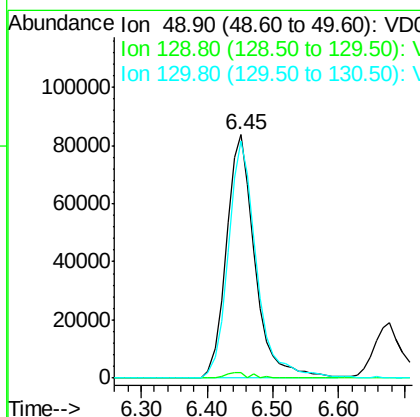
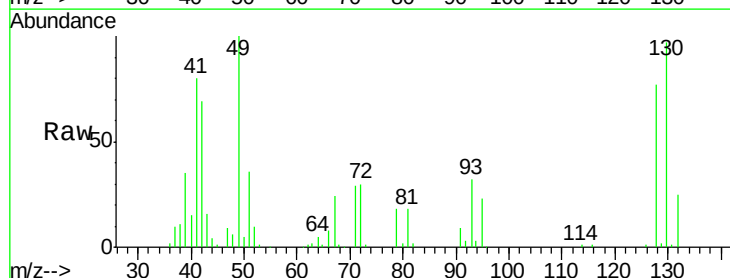
Manual Integrations  
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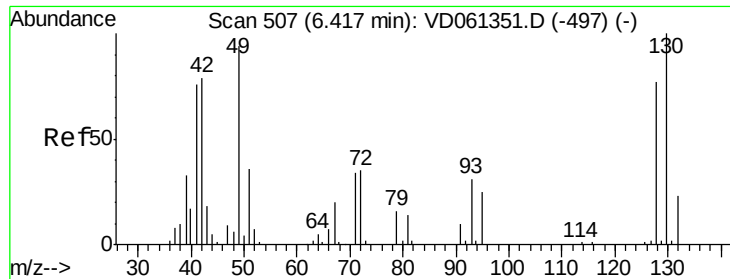
MMDadoda  
 4/4/2019 9:36:01 AM



#28  
 Bromochloromethane  
 Concen: 51.083 ug/l  
 RT: 6.45 min Scan# 511  
 Delta R.T. 0.04 min  
 Lab File: VD061555.D  
 Acq: 3 Apr 2019 14:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 253185 |       |       |
| 129     | 2.3   | 0.0    | 0.0#  |       |
| 130     | 97.4  | 78.4   | 117.6 |       |





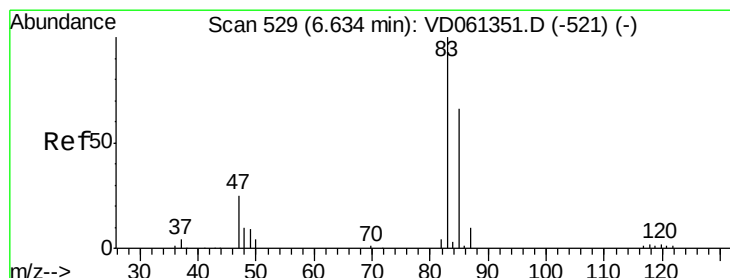
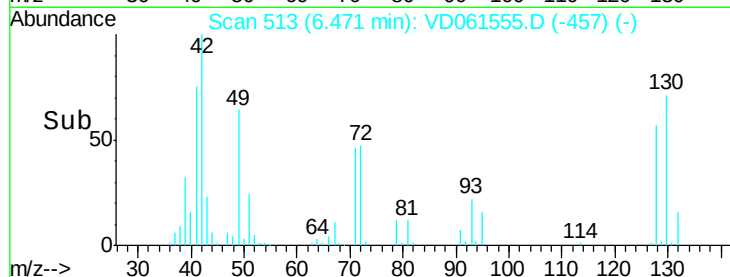
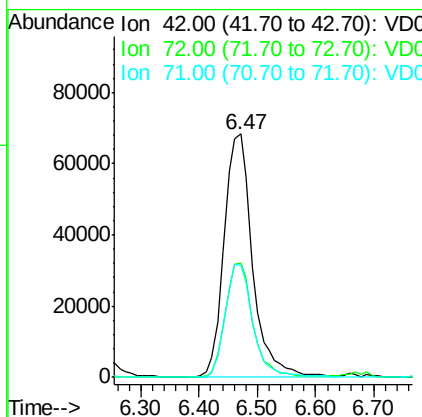
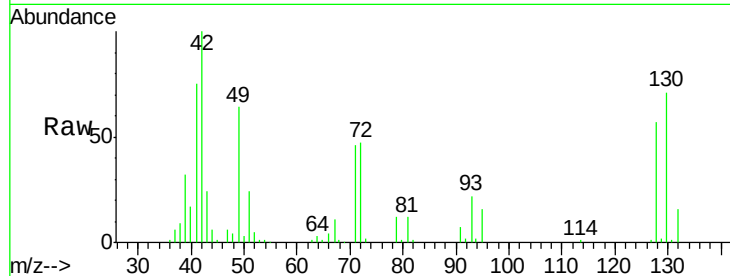
#29  
Tetrahydrofuran  
Concen: 263.921 ug/l  
RT: 6.47 min Scan# 513  
Delta R.T. 0.05 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 45.6  | 37.4  | 56.0  |
| 71      | 44.8  | 36.7  | 55.1  |

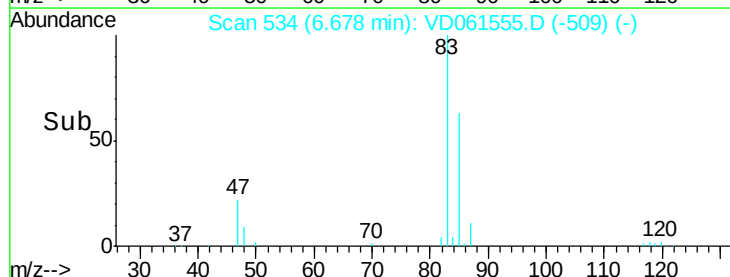
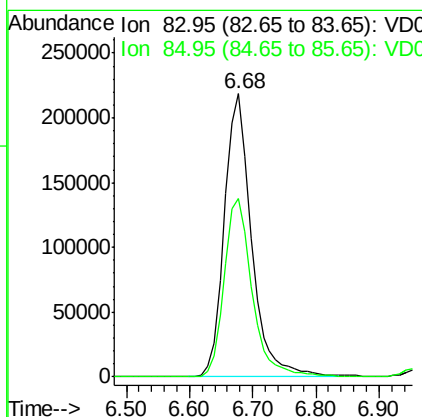
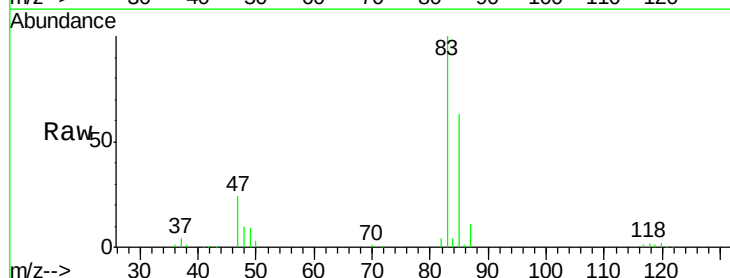
Manual Integrations  
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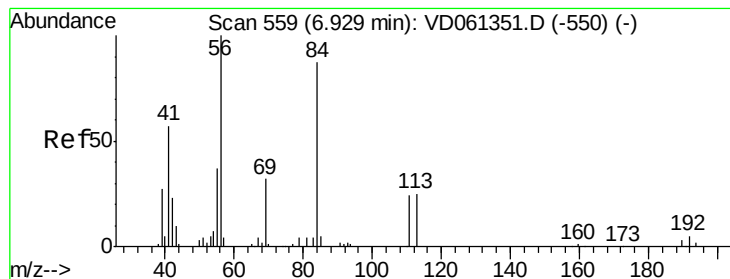
MMDadoda  
4/4/2019 9:36:01 AM



#30  
Chloroform  
Concen: 51.590 ug/l  
RT: 6.68 min Scan# 534  
Delta R.T. 0.04 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.0  | 53.0  | 79.4  |





#31

Cyclohexane

Concen: 48.157 ug/l

RT: 6.97 min Scan# 564

Delta R.T. 0.04 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA\_D

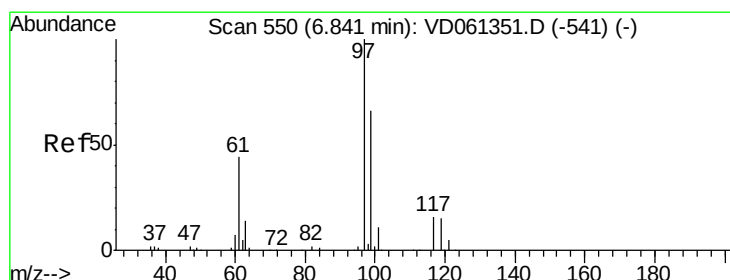
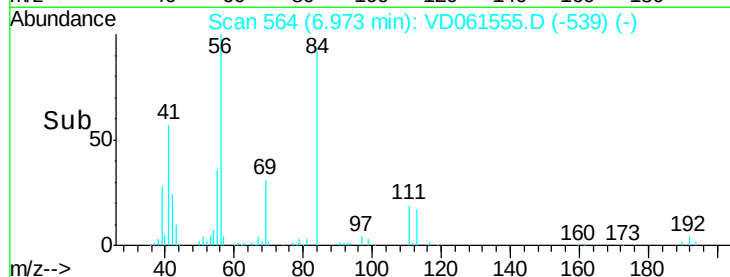
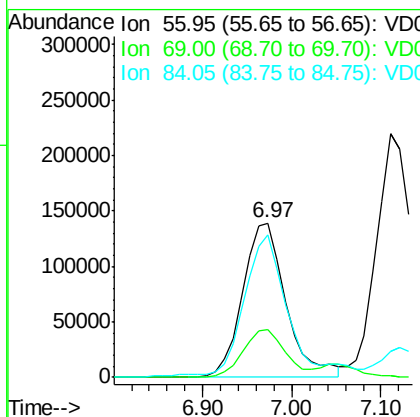
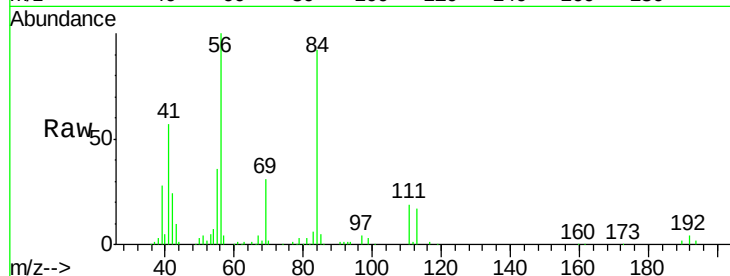
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 467254 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 31.3  | 25.7  | 38.5   |
| 84       | 92.0  | 70.6  | 105.8  |

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4/4/2019 9:36:01 AM



#32

1,1,1-Trichloroethane

Concen: 52.622 ug/l

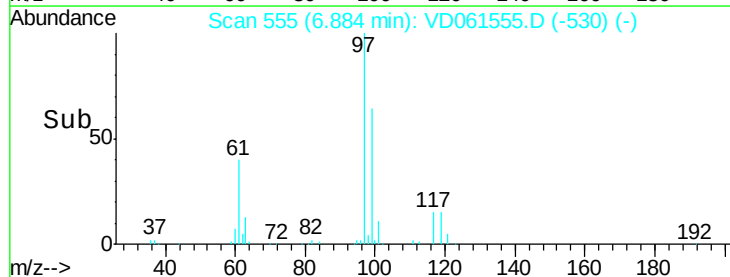
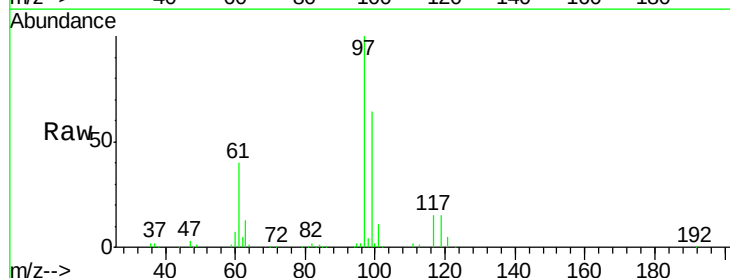
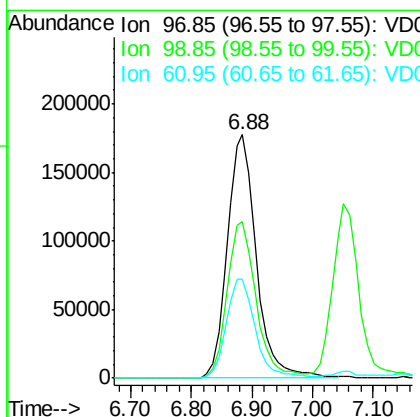
RT: 6.88 min Scan# 555

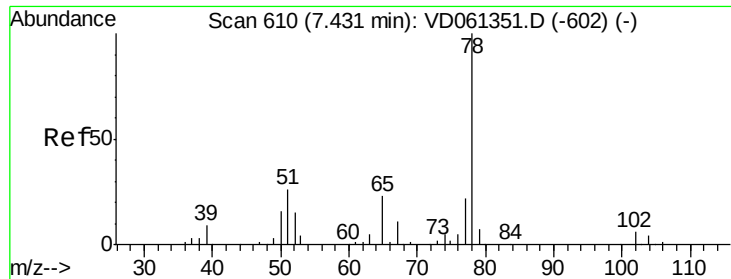
Delta R.T. 0.04 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 588975 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.1  | 53.1  | 79.7   |
| 61       | 40.4  | 35.5  | 53.3   |





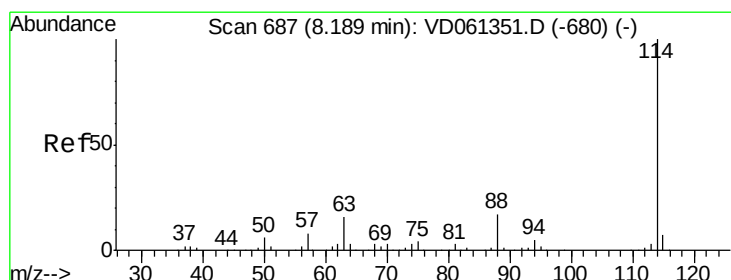
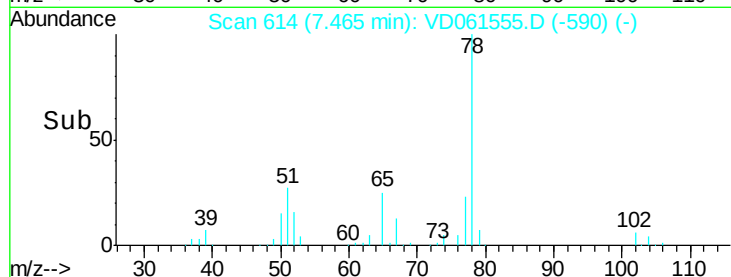
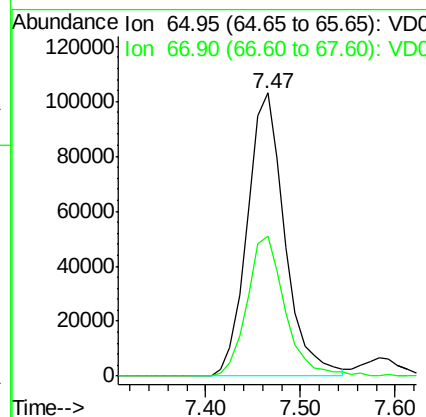
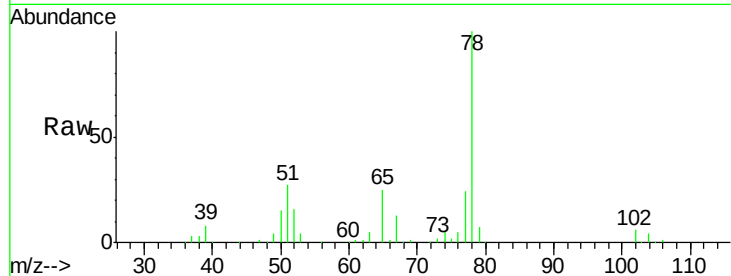
#33  
 1,2-Dichloroethane-d4  
 Concen: 52.622 ug/l  
 RT: 7.47 min Scan# 614  
 Delta R.T. 0.03 min  
 Lab File: VD061555.D  
 Acq: 3 Apr 2019 14:37

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 283255 |       |       |
| 67      | 49.7  | 0.0    | 99.8  |       |

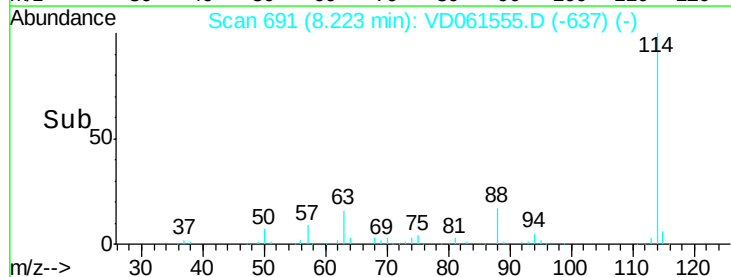
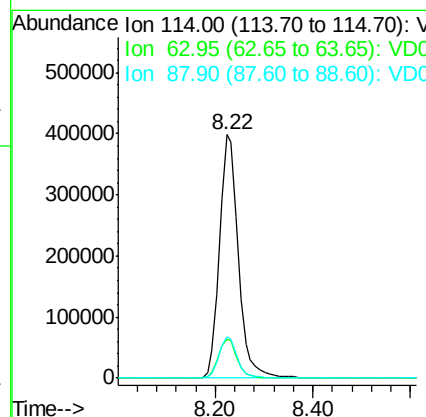
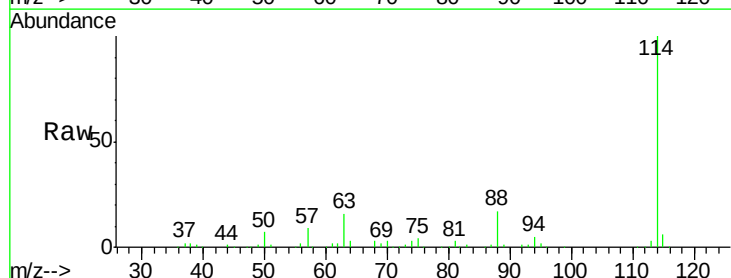
Manual Integrations  
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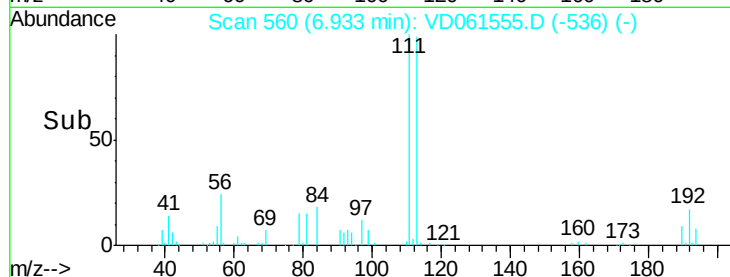
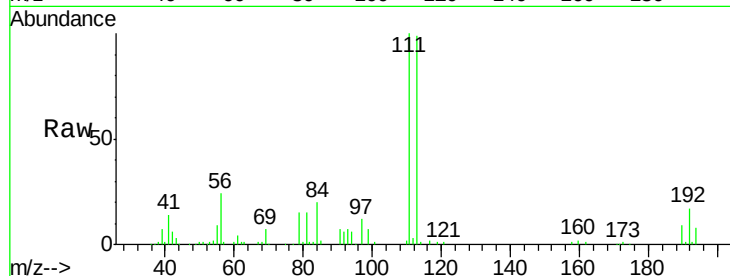
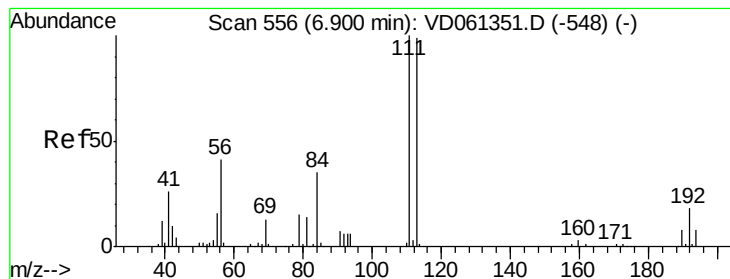
MMDadoda  
 4/4/2019 9:36:01 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.22 min Scan# 691  
 Delta R.T. 0.03 min  
 Lab File: VD061555.D  
 Acq: 3 Apr 2019 14:37

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 114     | 100   | 1075152 |       |       |
| 63      | 16.0  | 0.0     | 31.6  |       |
| 88      | 17.0  | 0.0     | 33.4  |       |





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.03 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 113   | Resp: | 431962 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 101.5 | 81.0  | 121.6  |
| 192      | 17.5  | 14.4  | 21.6   |

Instrument :

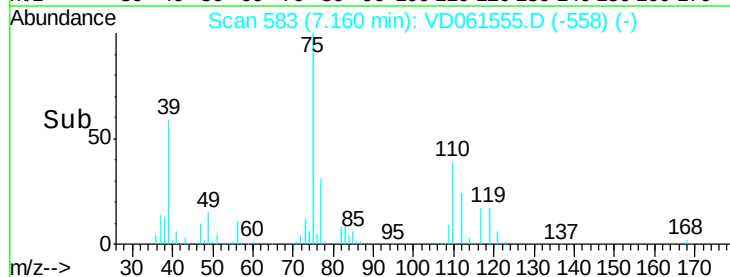
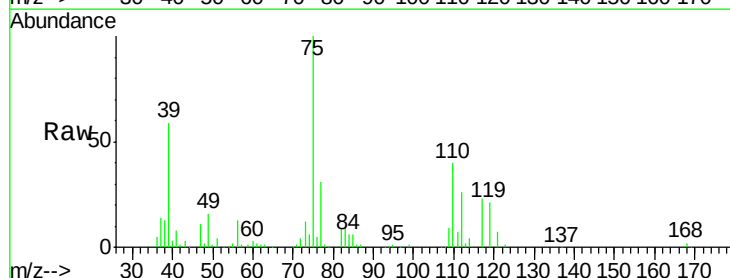
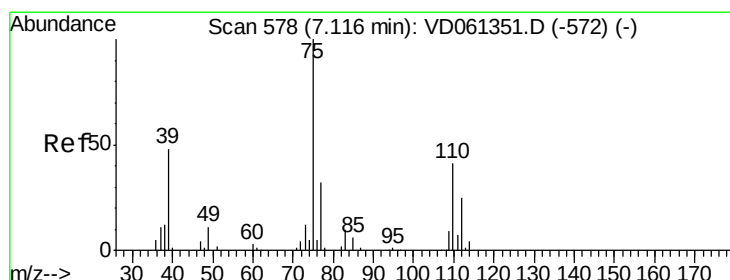
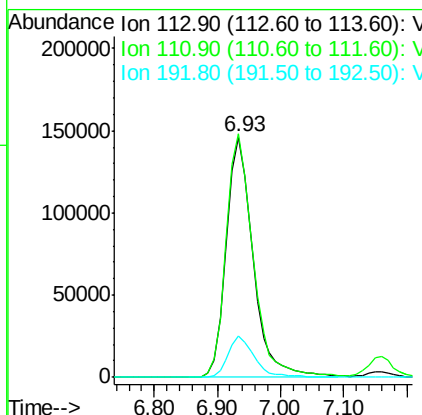
MSVOA\_D

ClientSampleId :

VSTDCCC050

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4/4/2019 9:36:01 AM



#36

1,1-Dichloropropene

Concen: 53.413 ug/l

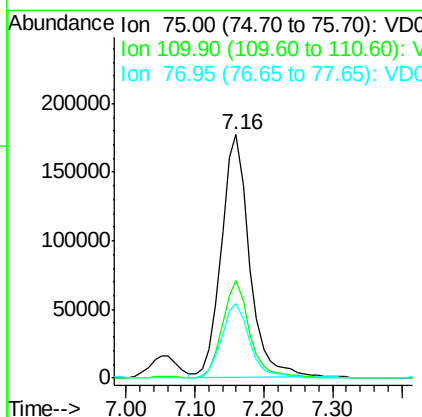
RT: 7.16 min Scan# 583

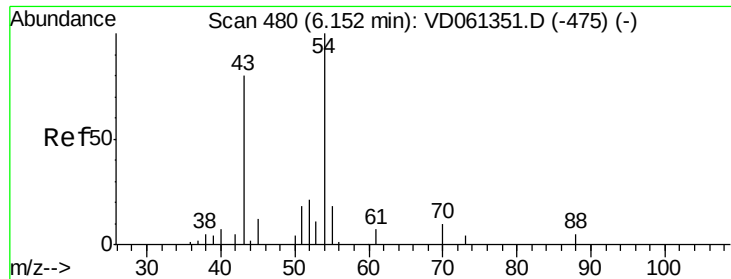
Delta R.T. 0.04 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 501206 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 110      | 39.9  | 20.4  | 61.3   |
| 77       | 30.7  | 24.9  | 37.3   |





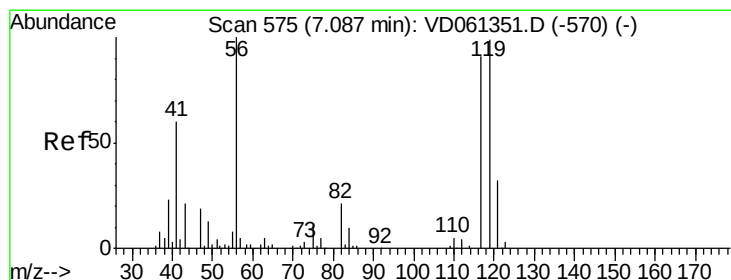
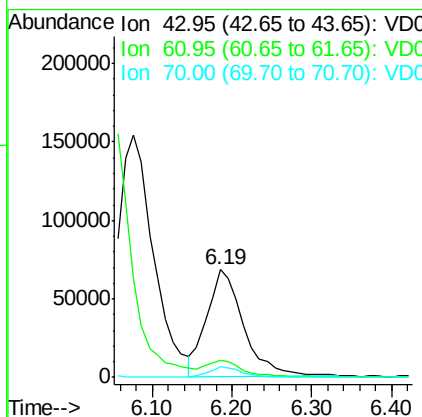
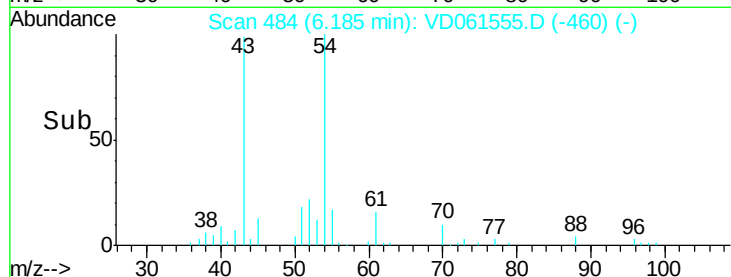
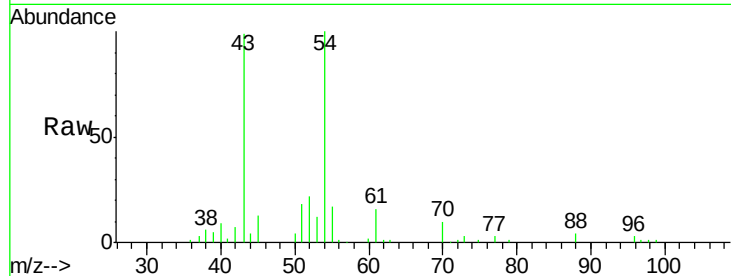
#37  
Ethyl Acetate  
Concen: 54.046 ug/l  
RT: 6.19 min Scan# 484  
Delta R.T. 0.03 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 16.0  | 13.8  | 20.8  |
| 70      | 9.8   | 7.8   | 11.8  |

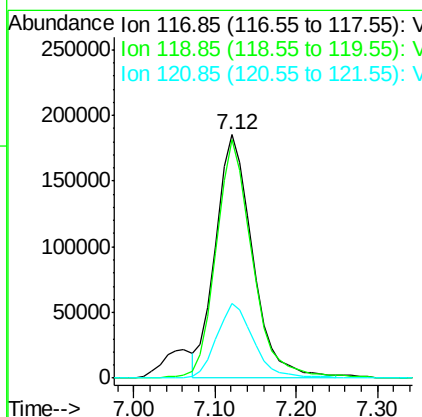
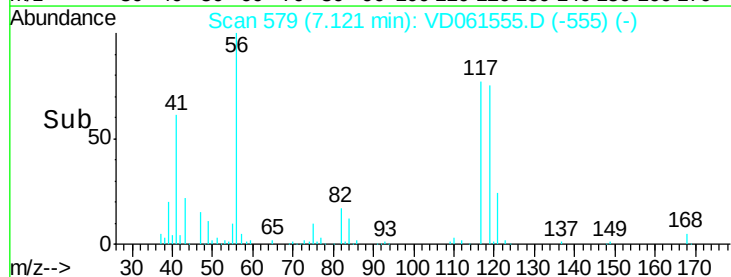
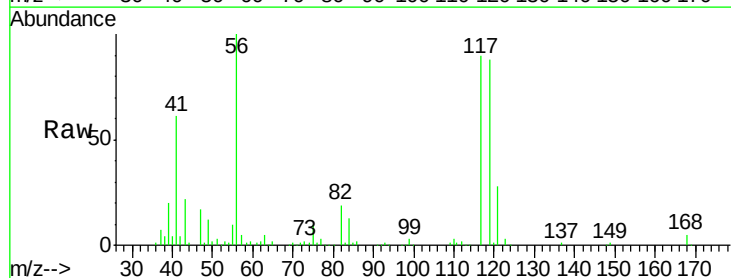
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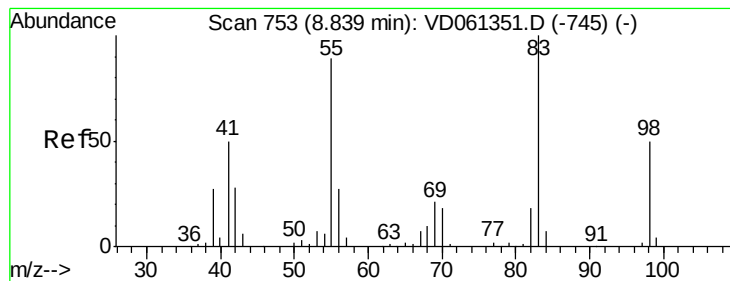


#38  
Carbon Tetrachloride  
Concen: 54.667 ug/l m  
RT: 7.12 min Scan# 579  
Delta R.T. 0.03 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.9  | 80.1  | 120.1 |
| 121     | 30.7  | 25.6  | 38.4  |







#39

Methylvlcyclohexane

Concen: 52.411 ug/l

RT: 8.87 min Scan# 757

Delta R.T. 0.03 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 512214

Ion Ratio Lower Upper

83 100

55 84.1 71.5 107.3

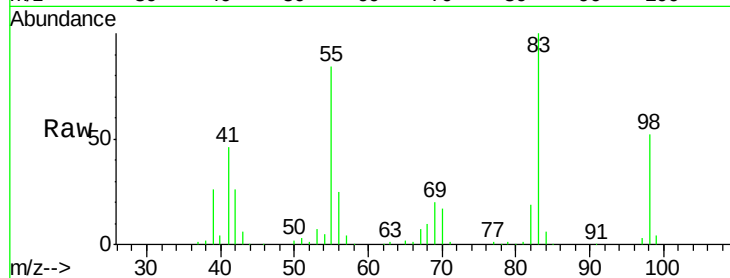
98 51.9 40.3 60.5

Manual Integrations

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MMDadoda

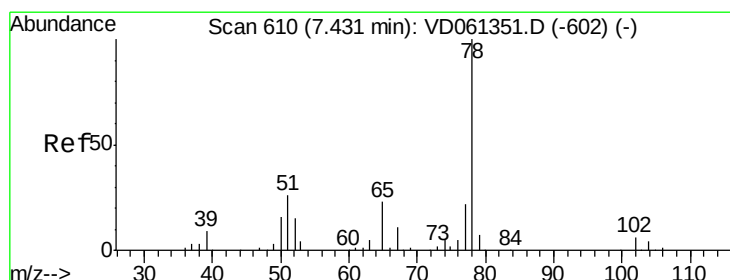
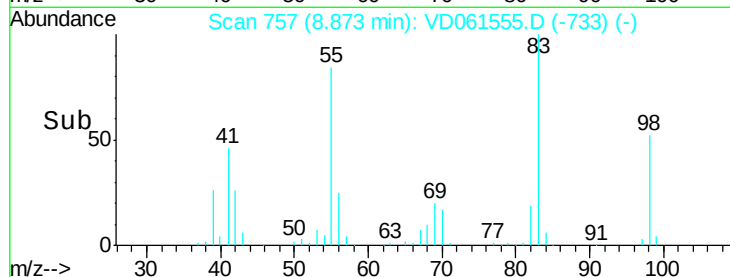
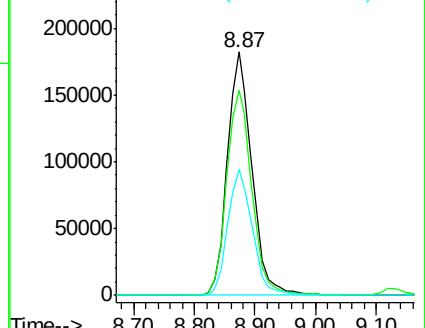
4/4/2019 9:36:01 AM



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 49.923 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD061555.D

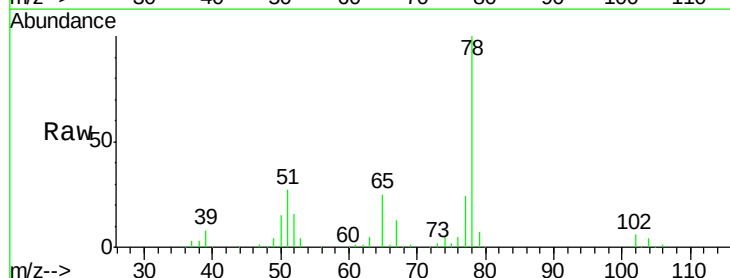
Acq: 3 Apr 2019 14:37

Tgt Ion: 78 Resp: 1175698

Ion Ratio Lower Upper

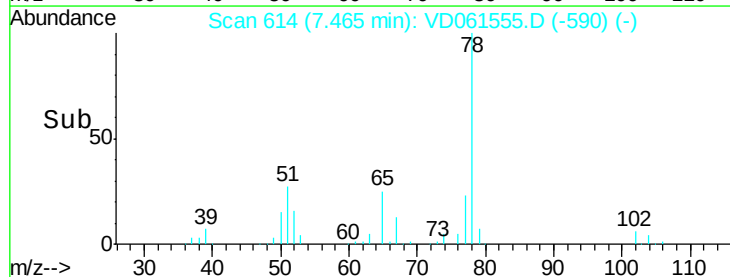
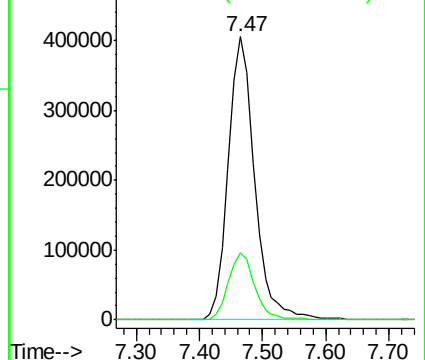
78 100

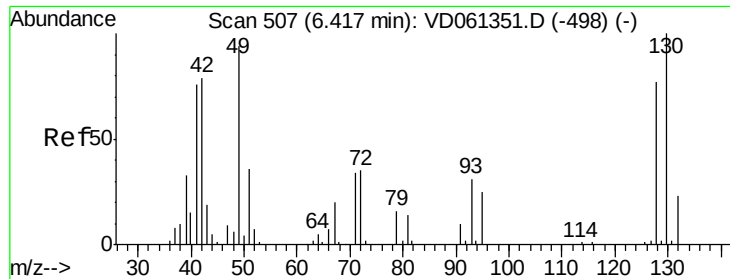
77 23.9 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





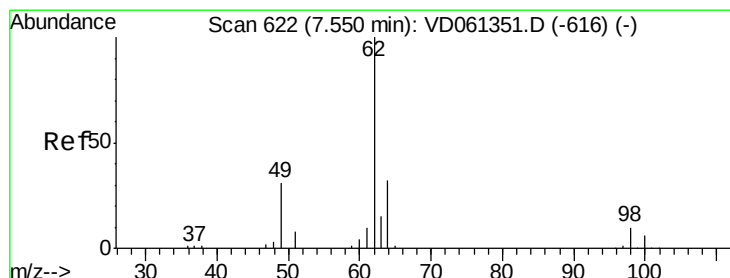
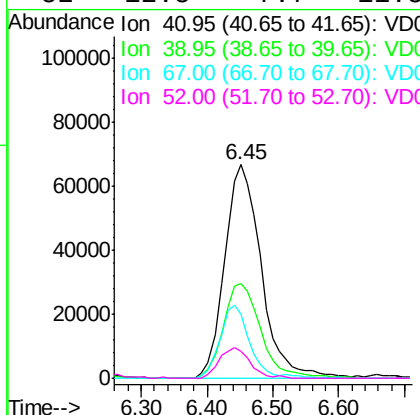
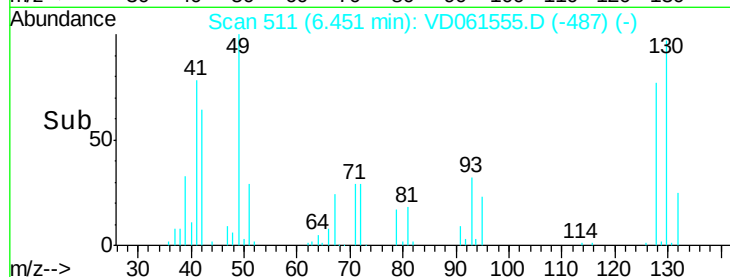
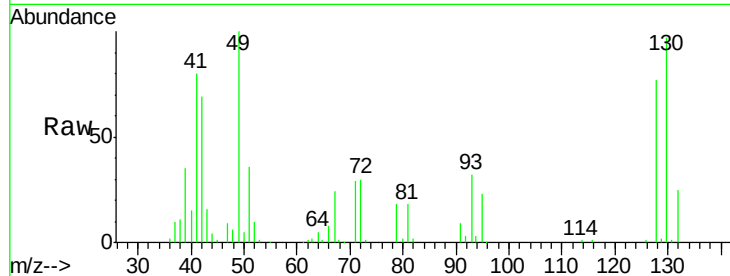
#41  
Methacrylonitrile  
Concen: 55.221 ug/l  
RT: 6.45 min Scan# 511  
Delta R.T. 0.03 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 44.2 | 35.0  | 52.6  |       |
| 67      | 29.8 | 21.0  | 31.6  |       |
| 52      | 12.5 | 7.7   | 11.5  |       |

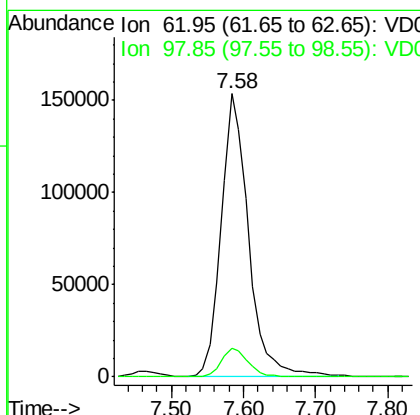
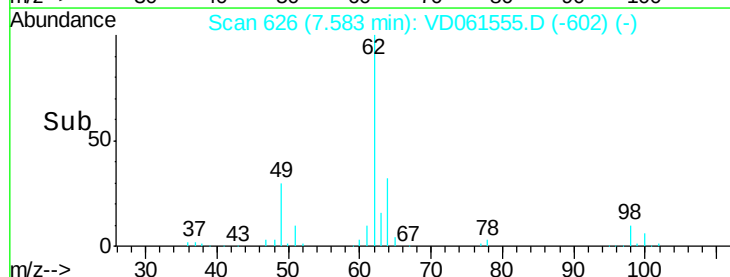
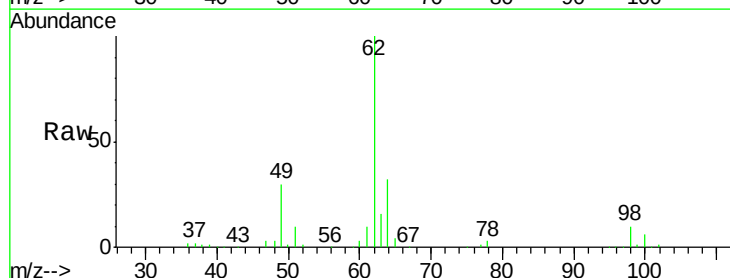
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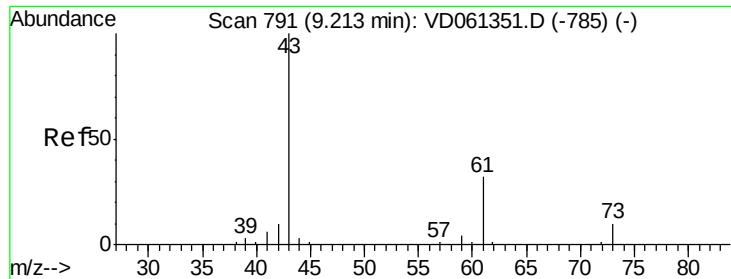
MMDadoda  
4/4/2019 9:36:01 AM



#42  
1,2-Dichloroethane  
Concen: 57.141 ug/l  
RT: 7.58 min Scan# 626  
Delta R.T. 0.03 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 62      | 100  |       |       |       |
| 98      | 10.3 | 0.0   | 19.8  |       |





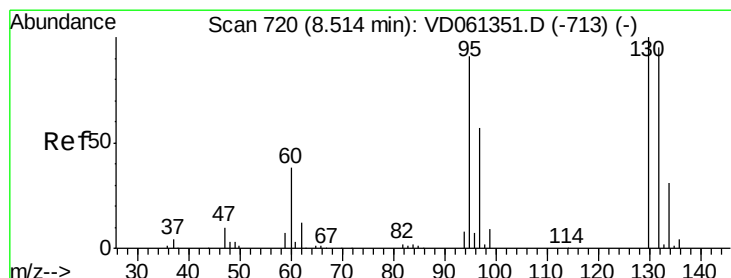
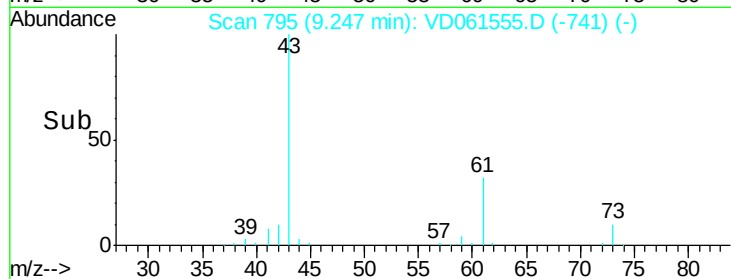
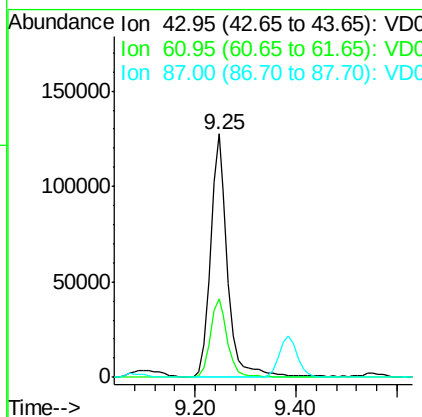
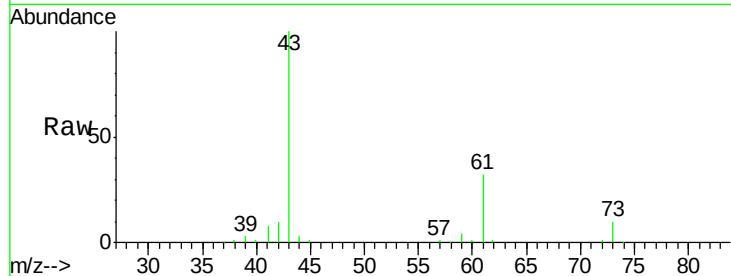
#43  
Isopropyl Acetate  
Concen: 52.232 ug/l  
RT: 9.25 min Scan# 795  
Delta R.T. 0.03 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 304985  
Ion Ratio Lower Upper  
43 100  
61 32.3 25.8 38.6  
87 0.0 0.0 0.0

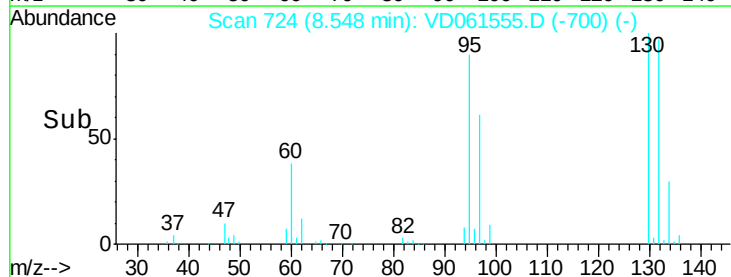
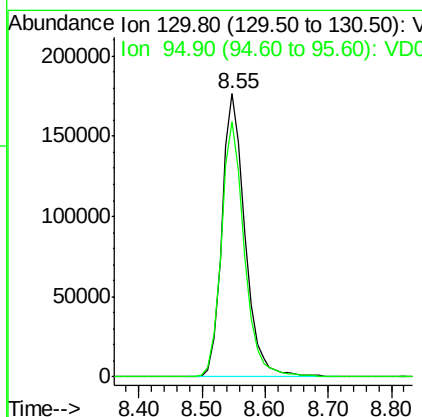
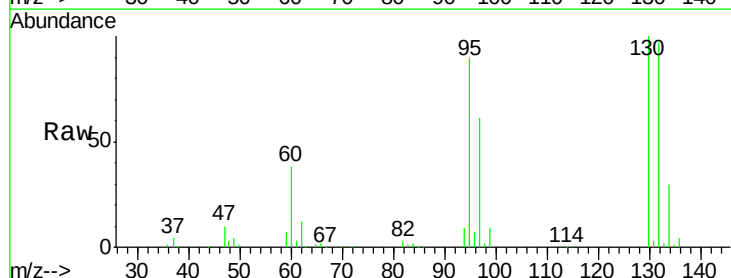
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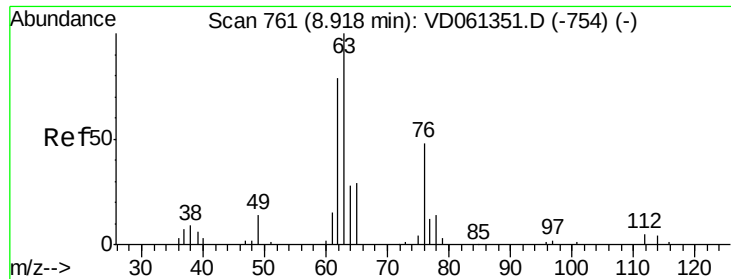
MMDadoda  
4/4/2019 9:36:01 AM



#44  
Trichloroethene  
Concen: 51.059 ug/l  
RT: 8.55 min Scan# 724  
Delta R.T. 0.03 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Tgt Ion: 130 Resp: 447496  
Ion Ratio Lower Upper  
130 100  
95 90.2 0.0 181.4





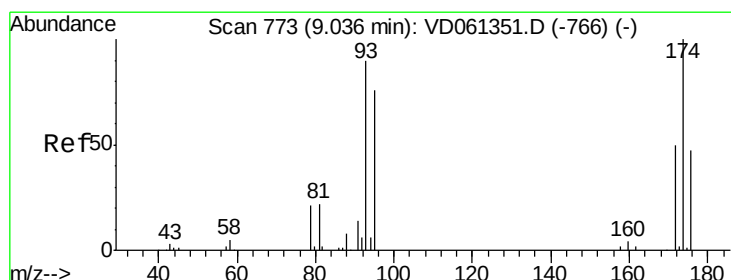
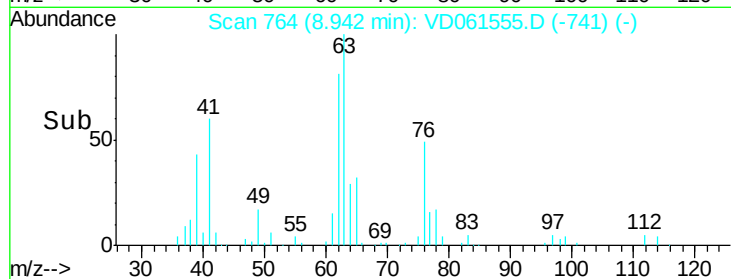
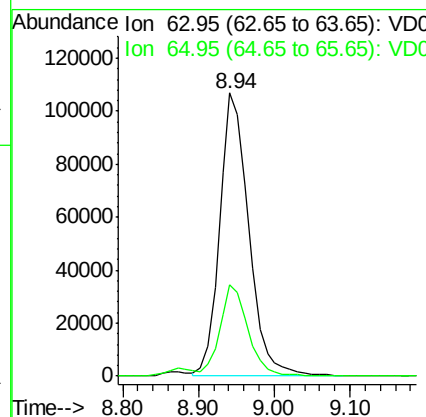
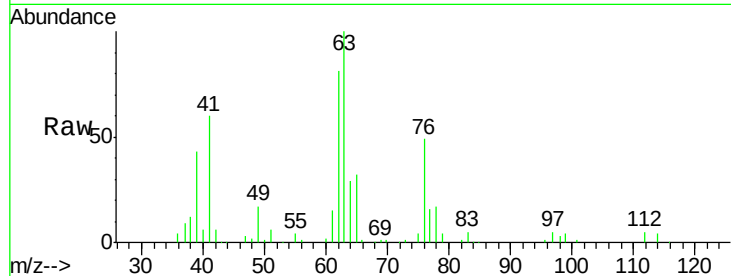
#45  
 1,2-Dichloropropane  
 Concen: 47.964 ug/l  
 RT: 8.94 min Scan# 764  
 Delta R.T. 0.02 min  
 Lab File: VD061555.D  
 Acq: 3 Apr 2019 14:37

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 63 Resp: 286425  
 Ion Ratio Lower Upper  
 63 100  
 65 32.3 25.0 37.4

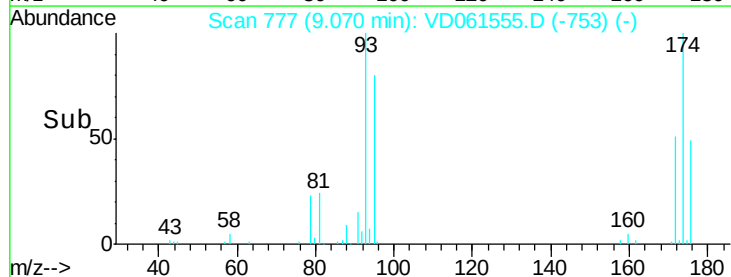
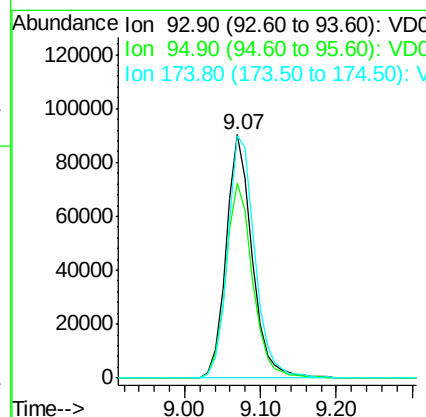
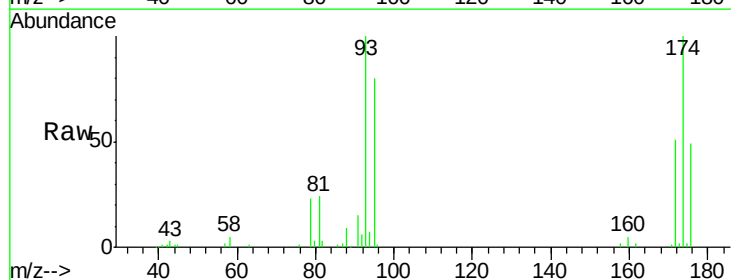
Manual Integrations  
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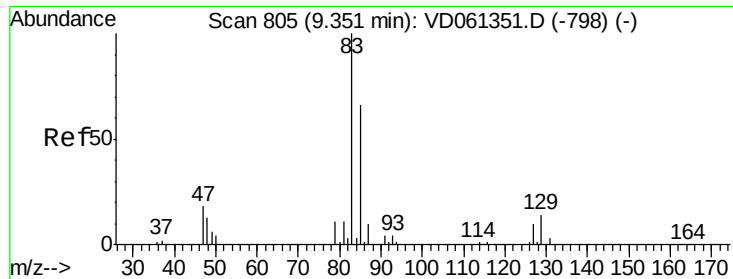
MMDadoda  
 4/4/2019 9:36:01 AM



#46  
 Dibromomethane  
 Concen: 53.133 ug/l  
 RT: 9.07 min Scan# 777  
 Delta R.T. 0.03 min  
 Lab File: VD061555.D  
 Acq: 3 Apr 2019 14:37

Tgt Ion: 93 Resp: 213562  
 Ion Ratio Lower Upper  
 93 100  
 95 80.0 67.4 101.0  
 174 99.6 88.9 133.3





#47

Bromodichloromethane

Concen: 55.916 ug/l

RT: 9.38 min Scan# 809

Delta R.T. 0.03 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA\_D

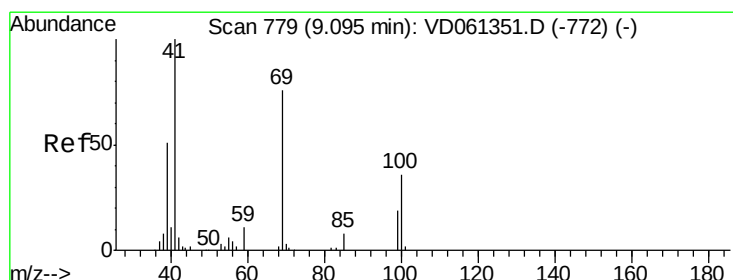
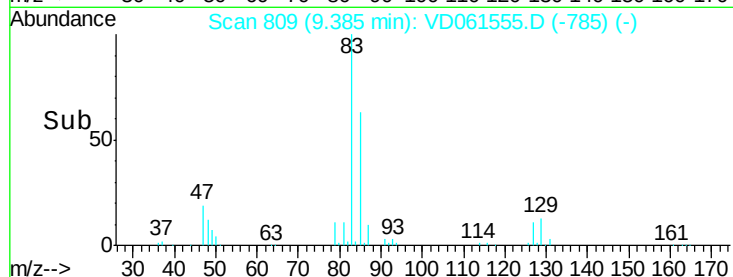
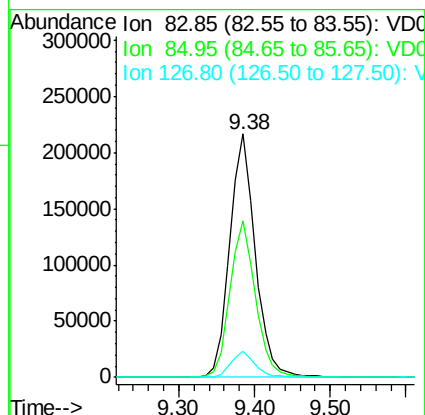
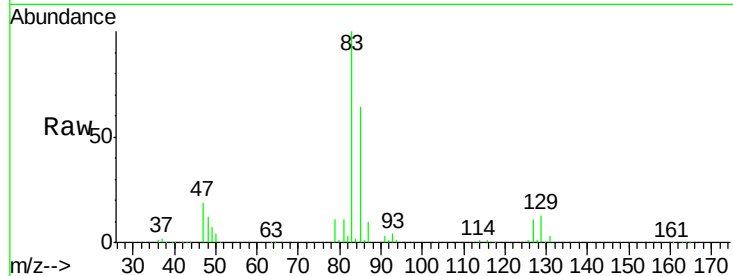
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 504435 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.2  | 53.0  | 79.4   |
| 127       | 10.5  | 8.4   | 12.6   |

Manual Integrations  
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MMDadoda  
4/4/2019 9:36:01 AM



#48

Methyl methacrylate

Concen: 52.008 ug/l

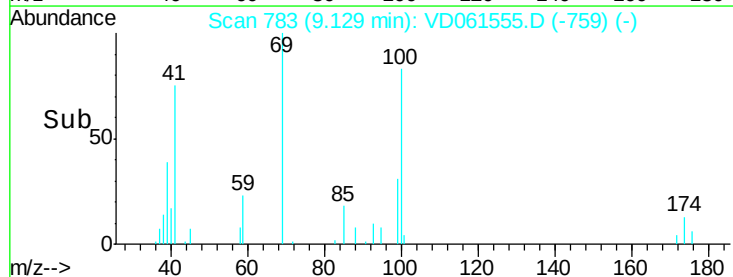
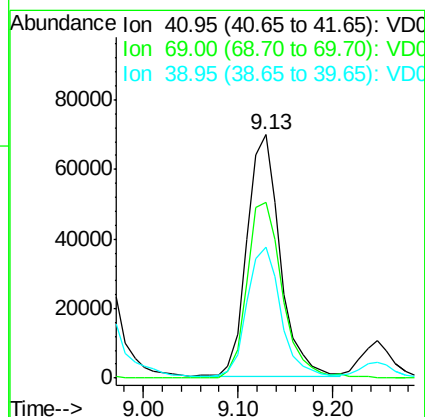
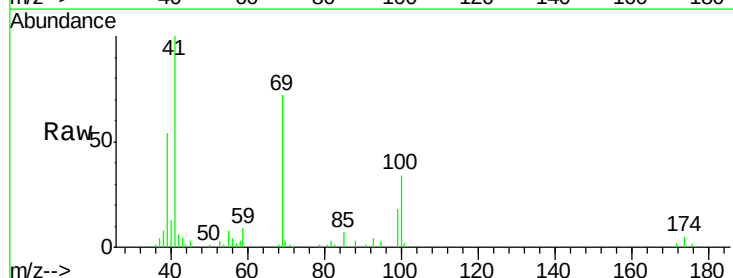
RT: 9.13 min Scan# 783

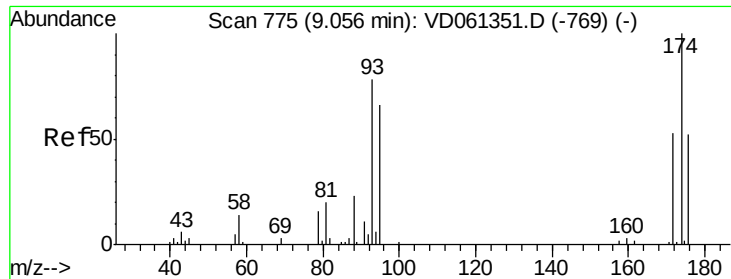
Delta R.T. 0.03 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 167598 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 72.4  | 60.2  | 90.4   |
| 39        | 53.9  | 41.4  | 62.2   |





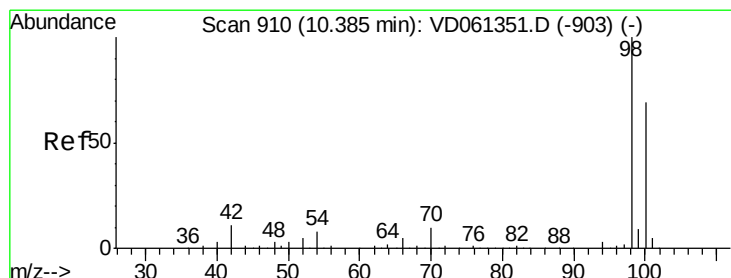
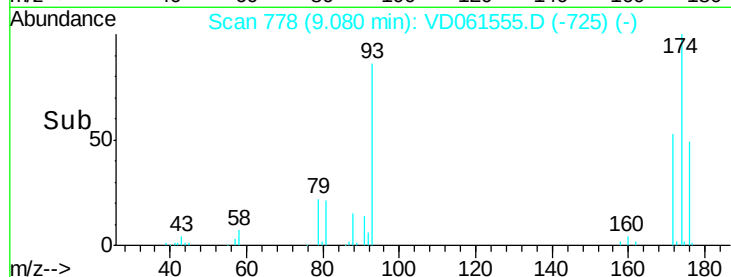
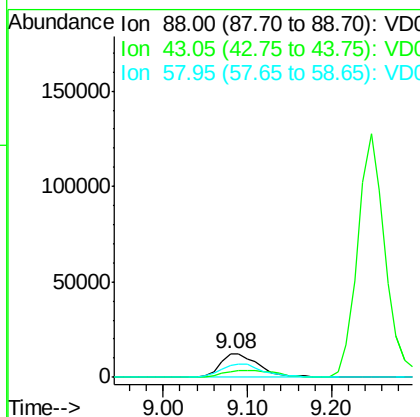
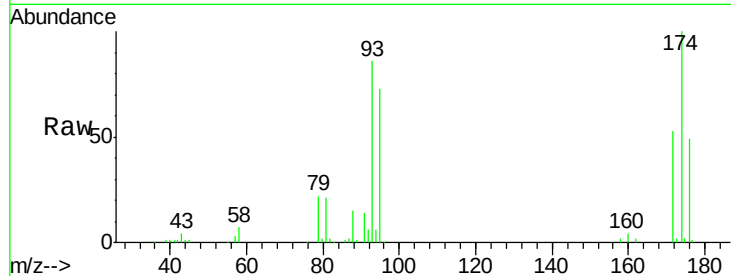
#49  
1,4-Dioxane  
Concen: 1118.105 ug/l  
RT: 9.08 min Scan# 778  
Delta R.T. 0.02 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | 88    | Resp  | 39742 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 25.7  | 23.3  | 34.9  |
| 58      | 49.9  | 50.8  | 76.2  |

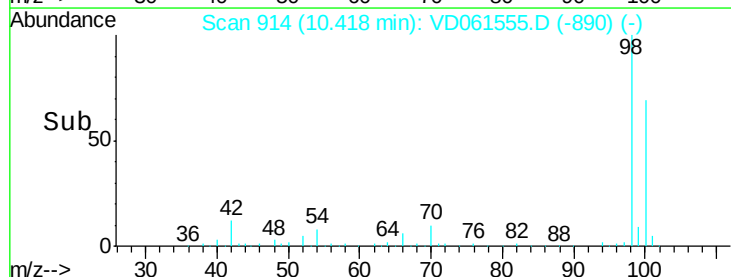
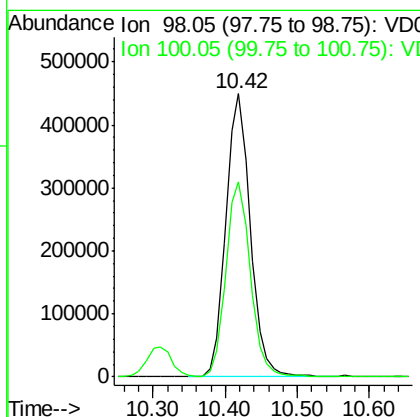
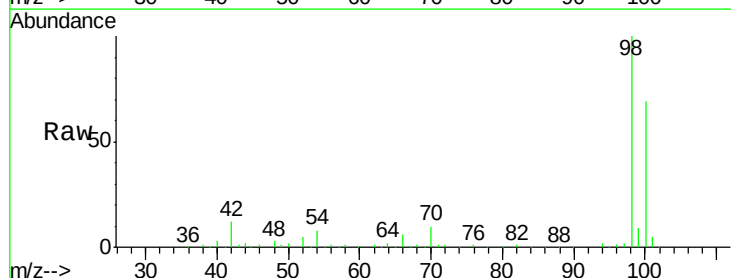
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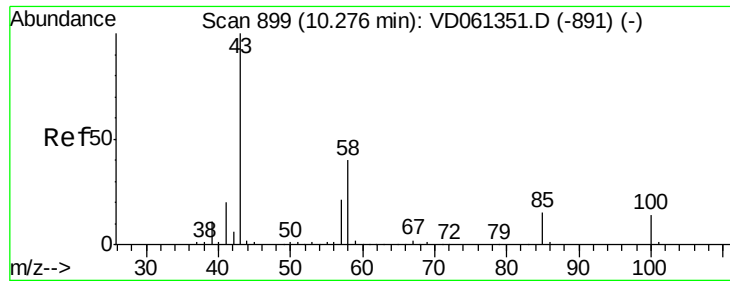
MMDadoda  
4/4/2019 9:36:01 AM



#50  
Toluene-d8  
Concen: 1118.105 ug/l  
RT: 10.42 min Scan# 914  
Delta R.T. 0.03 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

| Tgt Ion | 98    | Resp  | 1058901 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 98      | 100   |       |         |
| 100     | 69.1  | 56.2  | 84.2    |





#51

4-Methyl-2-Pentanone

Concen: 255.385 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.03 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Tot Ion: 43 Resp: 907241

Ion Ratio Lower Upper

43 100

58 37.8 31.8 47.8

Instrument :

MSVOA\_D

ClientSampleId :

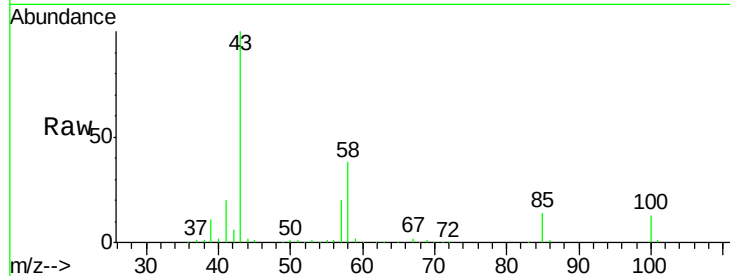
VSTDCCC050

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

400000

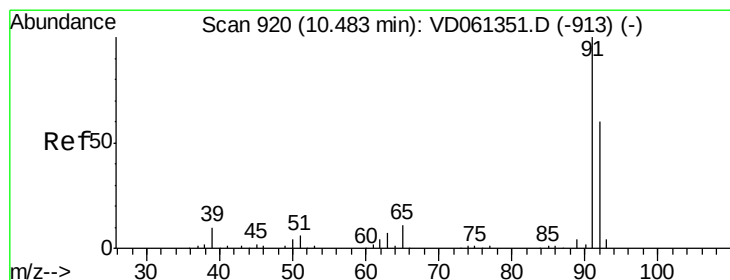
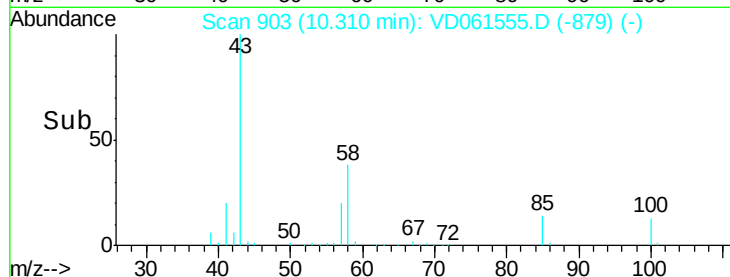
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 54.983 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.03 min

Lab File: VD061555.D

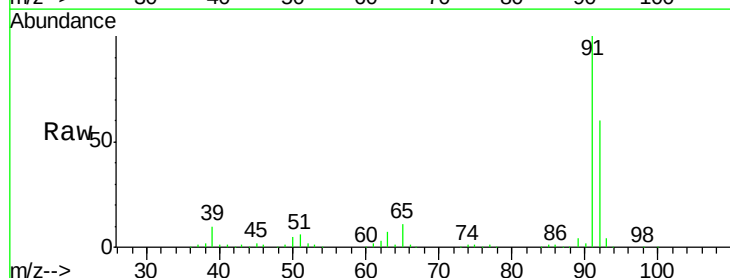
Acq: 3 Apr 2019 14:37

Tgt Ion: 92 Resp: 789970

Ion Ratio Lower Upper

92 100

91 167.9 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.52

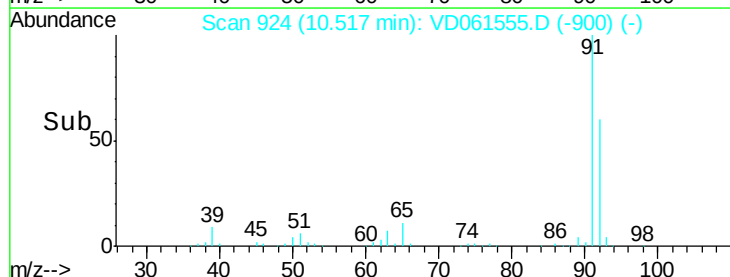
600000

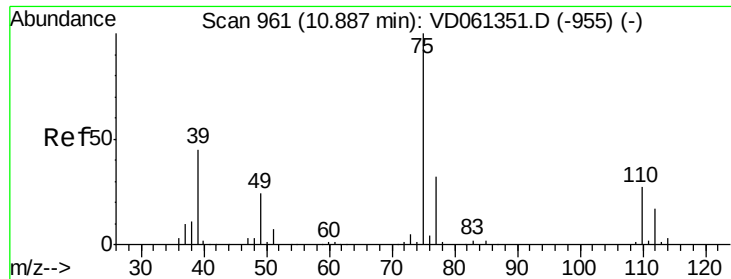
400000

200000

0

Time-->





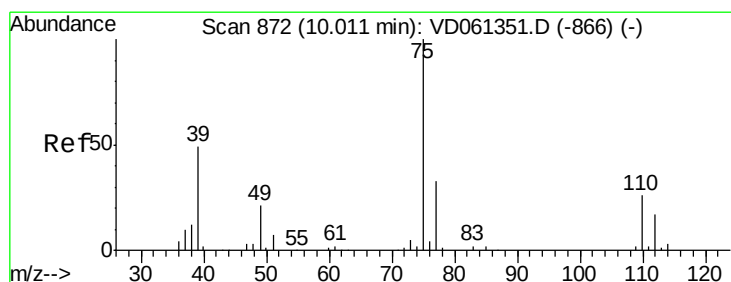
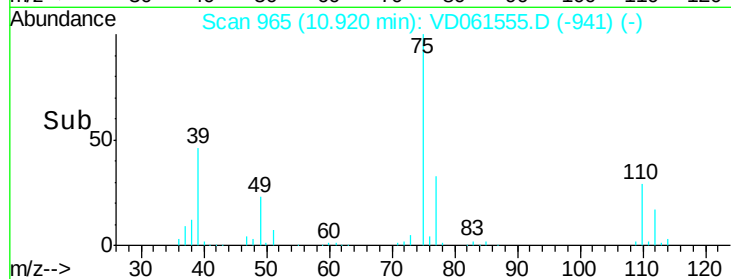
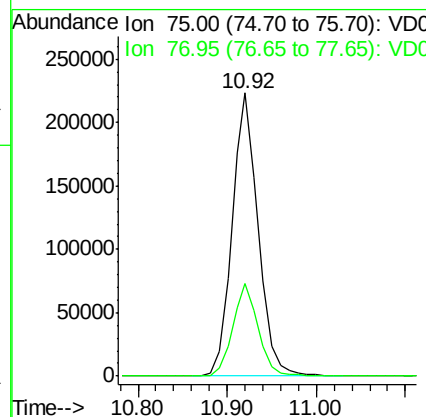
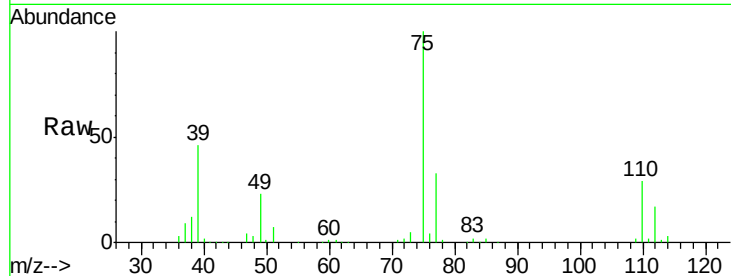
#53  
t-1,3-Dichloropropene  
Concen: 55.714 ug/l  
RT: 10.92 min Scan# 965  
Delta R.T. 0.03 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 75 Resp: 456649  
Ion Ratio Lower Upper  
75 100  
77 32.6 25.4 38.2

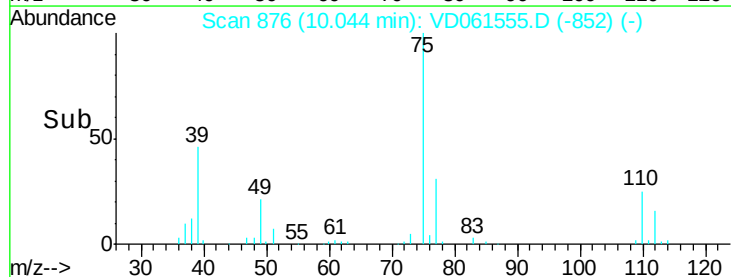
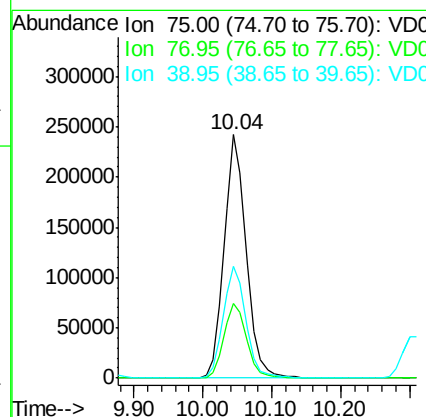
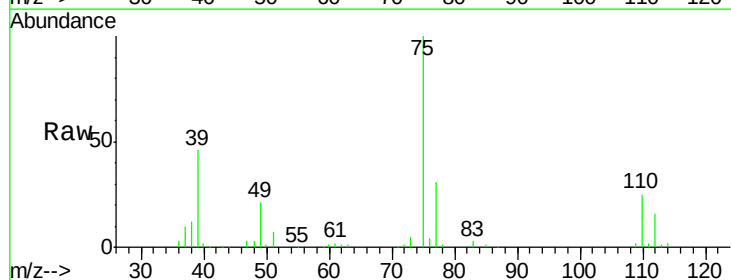
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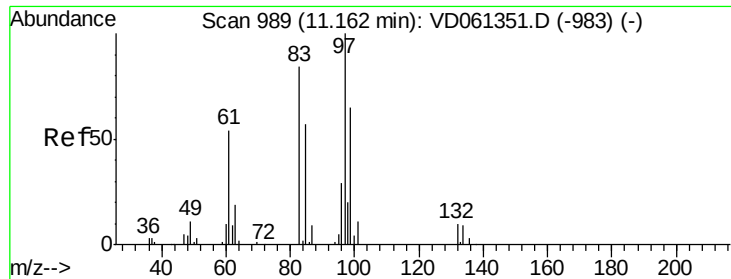


#54  
cis-1,3-Dichloropropene  
Concen: 53.690 ug/l  
RT: 10.04 min Scan# 876  
Delta R.T. 0.03 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Tgt Ion: 75 Resp: 535844  
Ion Ratio Lower Upper  
75 100  
77 30.7 26.2 39.4  
39 46.1 39.4 59.0







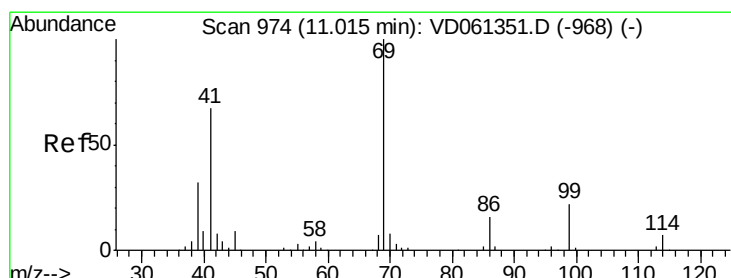
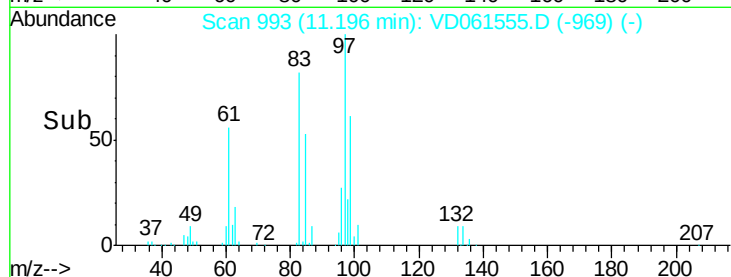
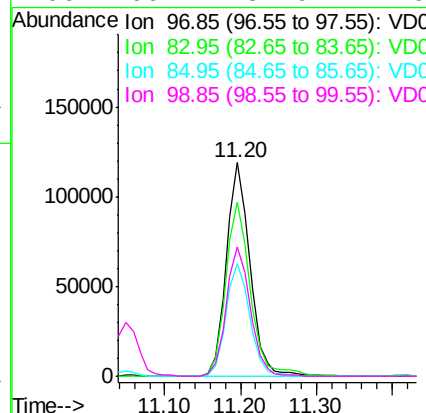
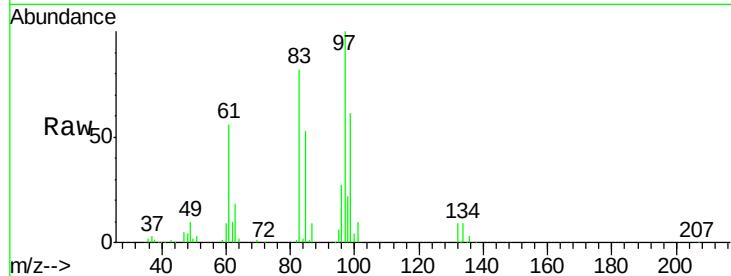
#55  
 1,1,2-Trichloroethane  
 Concen: 51.379 ug/l  
 RT: 11.20 min Scan# 993  
 Delta R.T. 0.03 min  
 Lab File: VD061555.D  
 Acq: 3 Apr 2019 14:37

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 258159 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 81.8  | 67.0  | 100.6  |
| 85       | 52.6  | 45.4  | 68.2   |
| 99       | 60.7  | 51.9  | 77.9   |

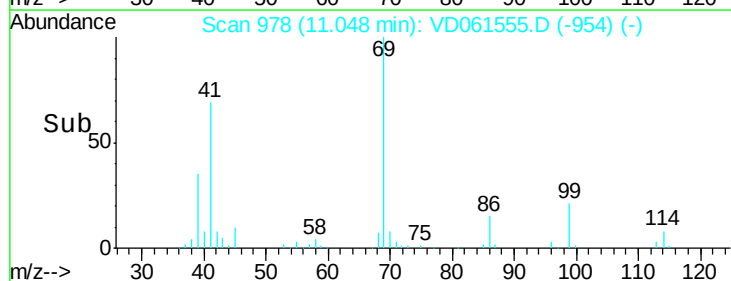
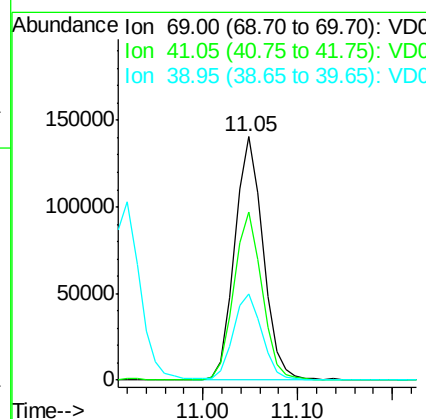
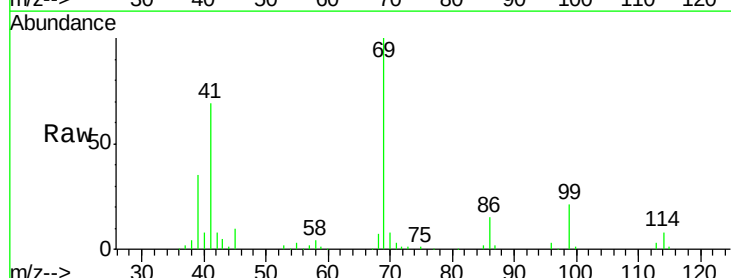
Manual Integrations  
 APPROVED

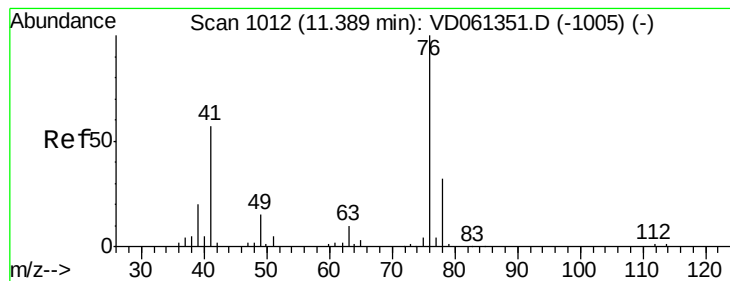
MMDadoda  
 4/4/2019 9:36:01 AM



#56  
 Ethyl methacrylate  
 Concen: 54.341 ug/l  
 RT: 11.05 min Scan# 978  
 Delta R.T. 0.03 min  
 Lab File: VD061555.D  
 Acq: 3 Apr 2019 14:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 293321 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 69.1  | 53.8  | 80.6   |
| 39       | 35.4  | 26.4  | 39.6   |





#57

1,3-Dichloropropane

Concen: 54.158 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.02 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 399972

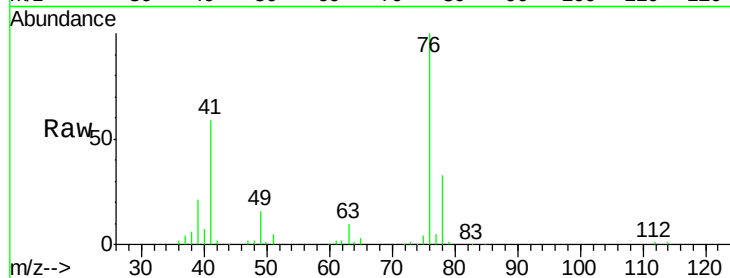
Ion Ratio Lower Upper

76 100

78 32.9 25.4 38.0

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4/4/2019 9:36:01 AM



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

200000

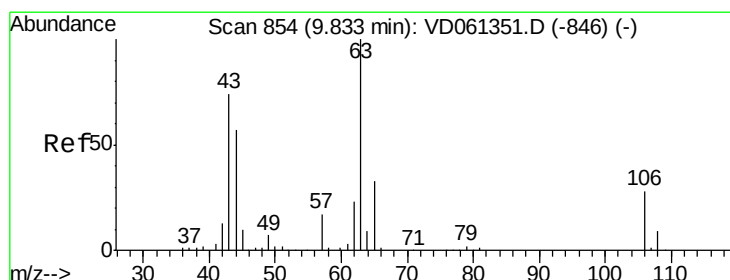
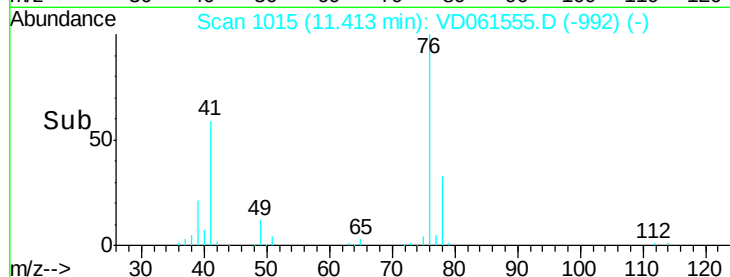
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 257.282 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.03 min

Lab File: VD061555.D

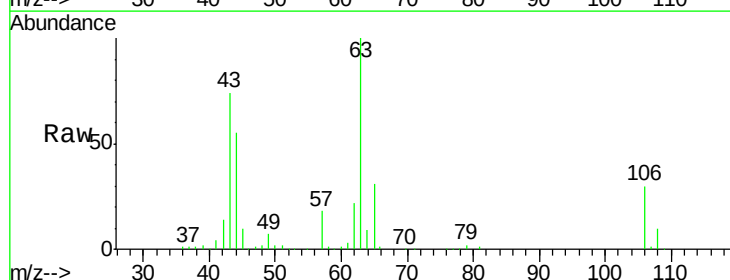
Acq: 3 Apr 2019 14:37

Tgt Ion: 63 Resp: 676318

Ion Ratio Lower Upper

63 100

106 30.3 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.87

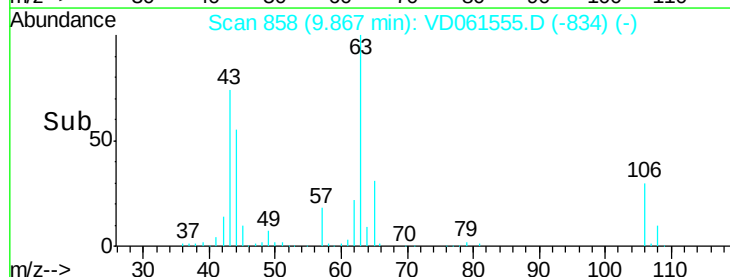
300000

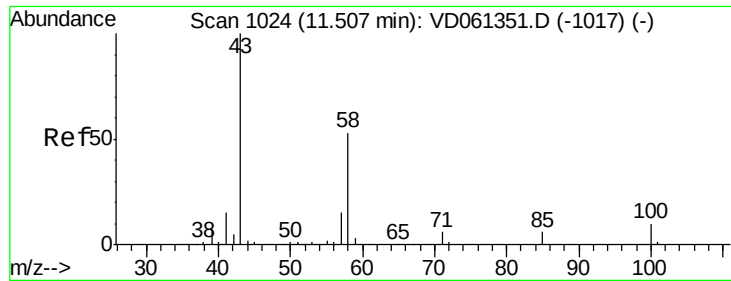
200000

100000

0

Time-->





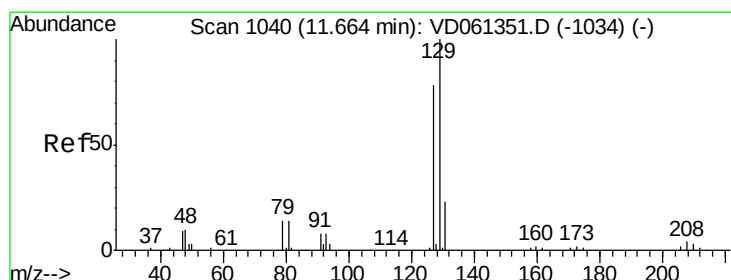
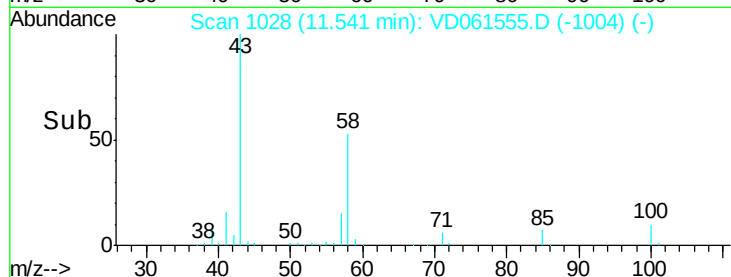
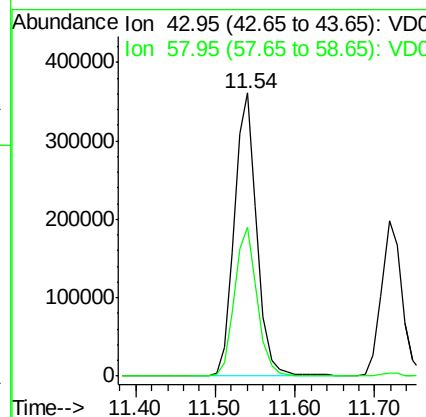
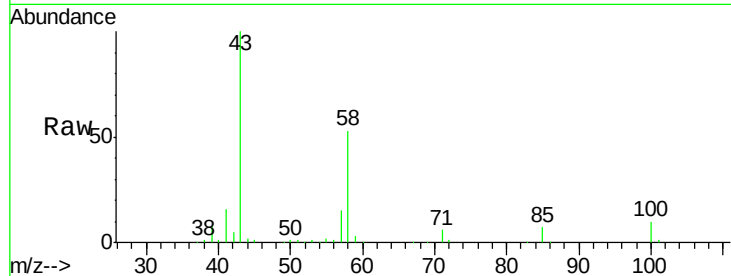
#59  
2-Hexanone  
Concen: 277.734 ug/l  
RT: 11.54 min Scan# 1028  
Delta R.T. 0.03 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 714847  
Ion Ratio Lower Upper  
43 100  
58 52.6 26.3 78.9

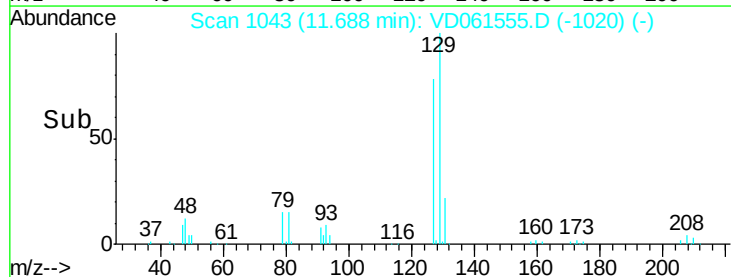
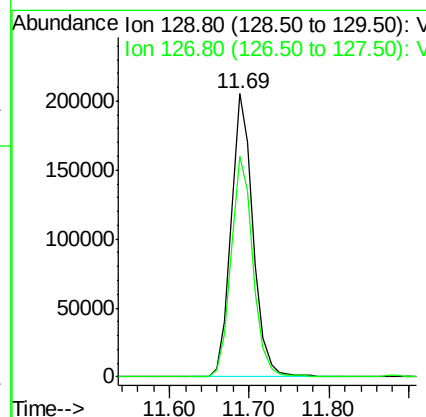
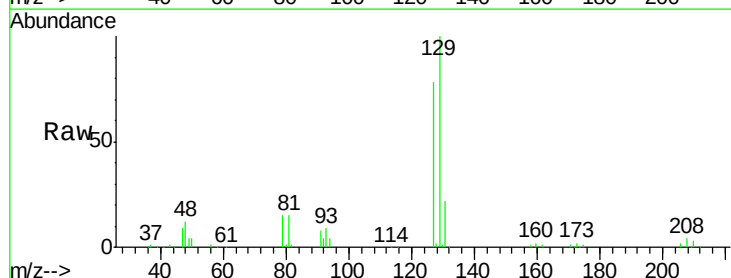
Manual Integrations  
APPROVED

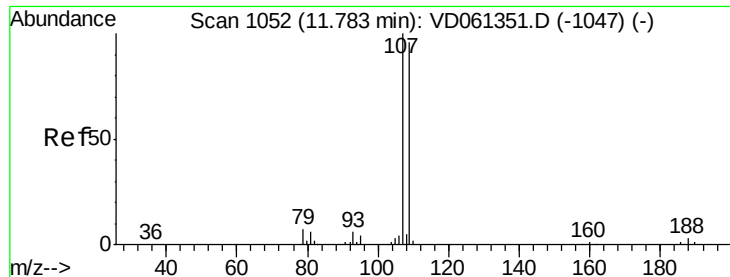
MMDadoda  
4/4/2019 9:36:01 AM



#60  
Dibromochloromethane  
Concen: 51.411 ug/l  
RT: 11.69 min Scan# 1043  
Delta R.T. 0.02 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Tgt Ion: 129 Resp: 398234  
Ion Ratio Lower Upper  
129 100  
127 78.1 39.0 116.9





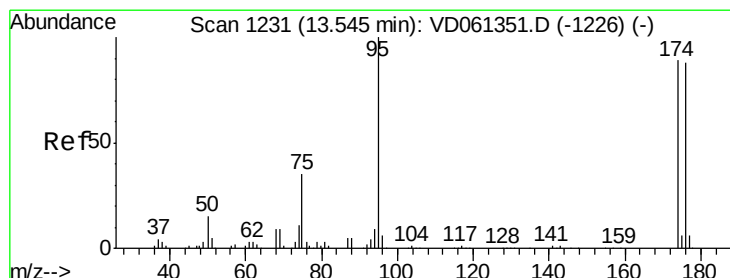
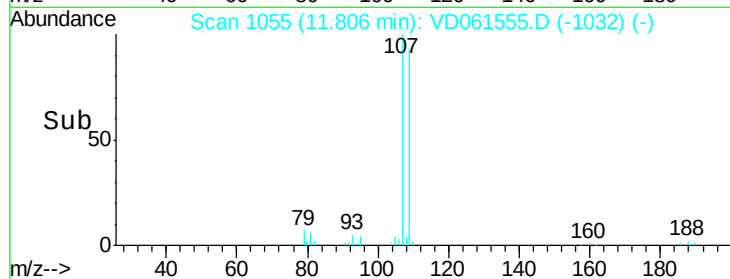
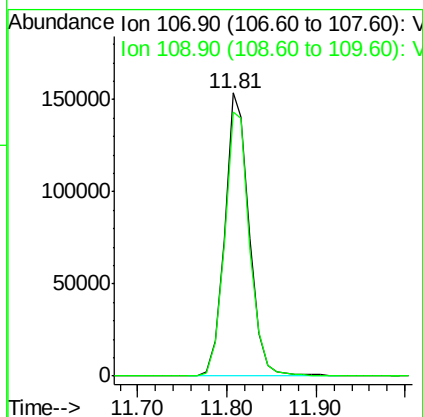
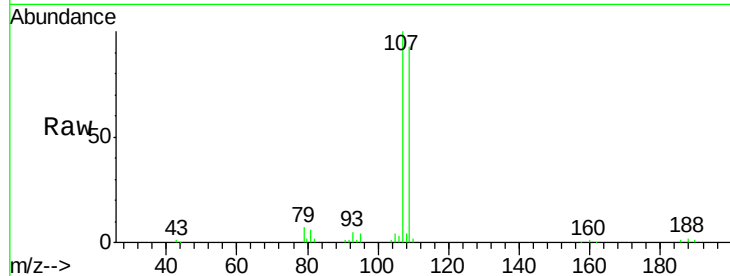
#61  
 1,2-Dibromoethane  
 Concen: 50.685 ug/l  
 RT: 11.81 min Scan# 1055  
 Delta R.T. 0.02 min  
 Lab File: VD061555.D  
 Acq: 3 Apr 2019 14:37

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.2  | 76.6  | 114.8 |

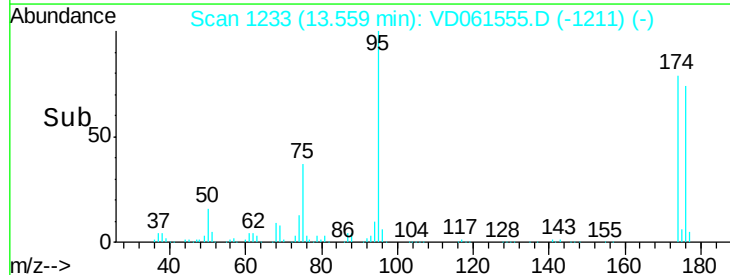
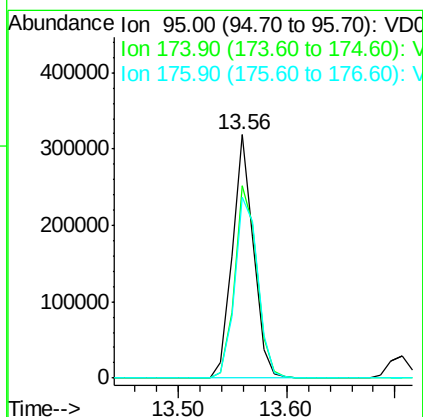
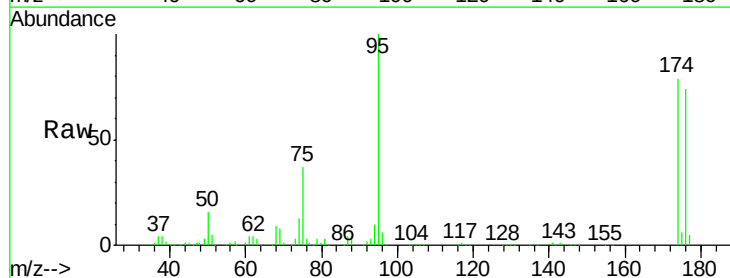
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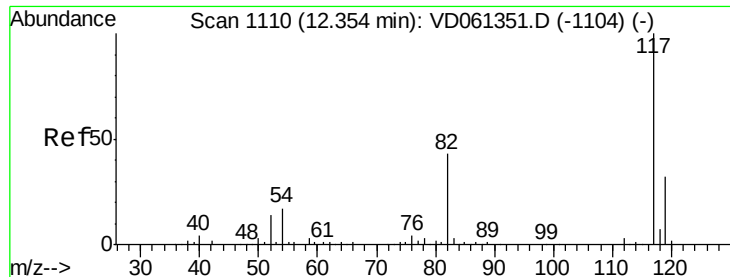
MMDadoda  
 4/4/2019 9:36:01 AM



#62  
 4-Bromofluorobenzene  
 Concen: 50.685 ug/l  
 RT: 13.56 min Scan# 1233  
 Delta R.T. 0.01 min  
 Lab File: VD061555.D  
 Acq: 3 Apr 2019 14:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 79.0  | 0.0   | 178.0 |
| 176     | 74.2  | 0.0   | 175.0 |





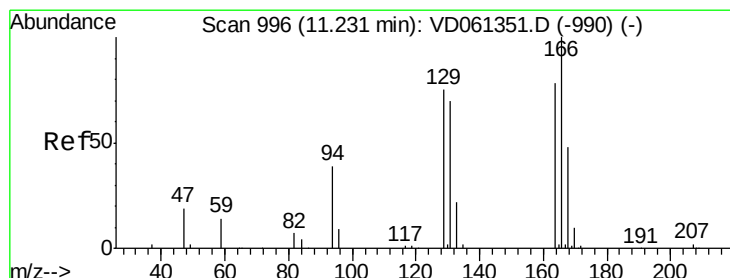
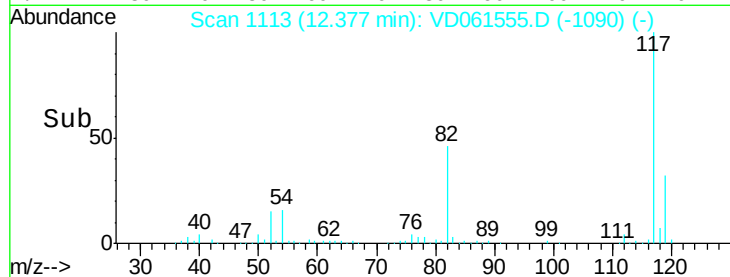
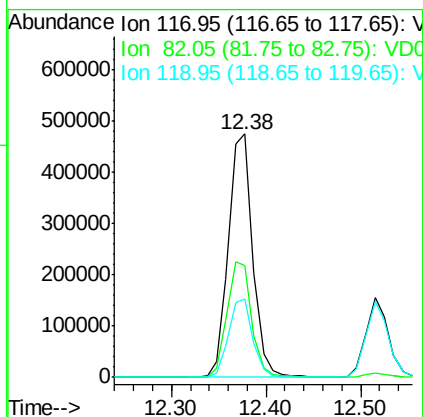
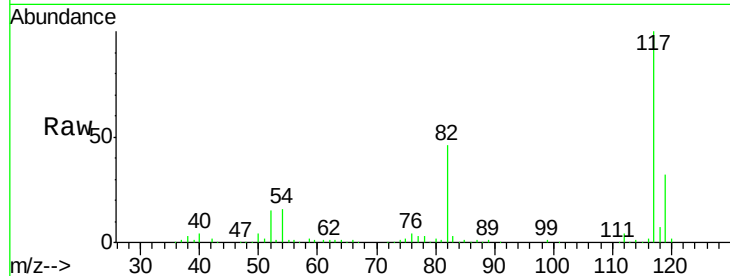
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.38 min Scan# 1113  
Delta R.T. 0.02 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 45.7  | 34.4  | 51.6  |
| 119     | 32.0  | 25.8  | 38.6  |

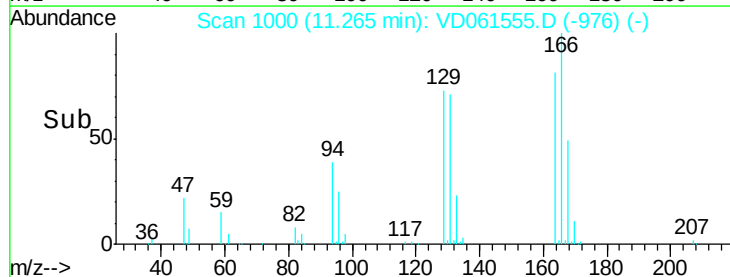
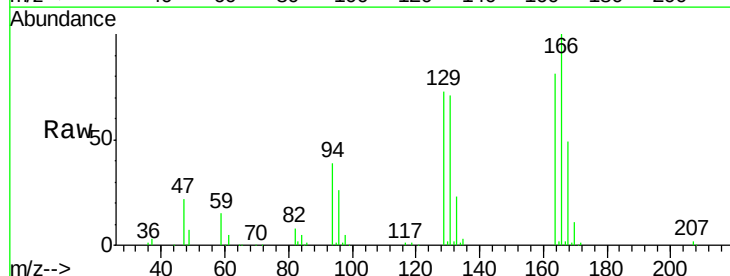
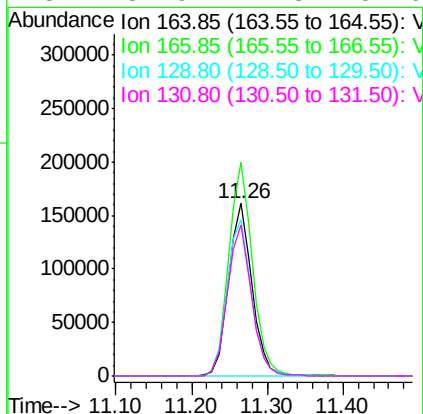
Manual Integrations  
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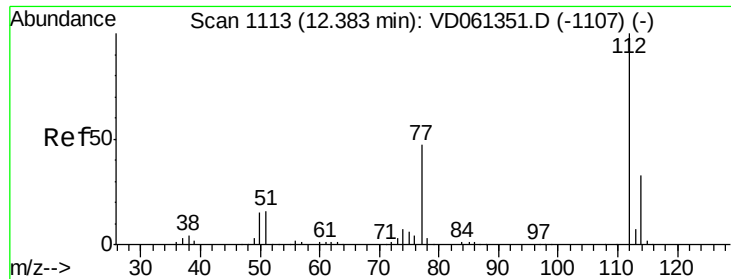
MMDadoda  
4/4/2019 9:36:01 AM



#64  
Tetrachloroethene  
Concen: 51.755 ug/l  
RT: 11.26 min Scan# 1000  
Delta R.T. 0.03 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 123.8 | 102.4 | 153.6 |
| 129     | 90.4  | 76.8  | 115.2 |
| 131     | 87.9  | 71.8  | 107.6 |





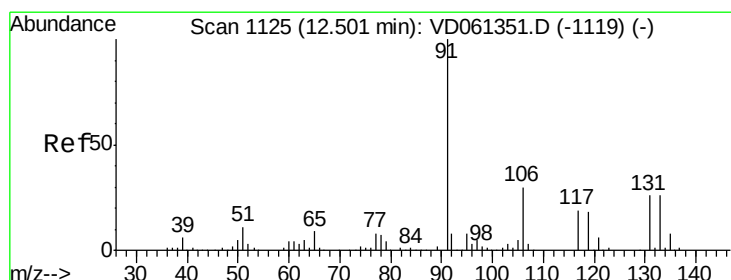
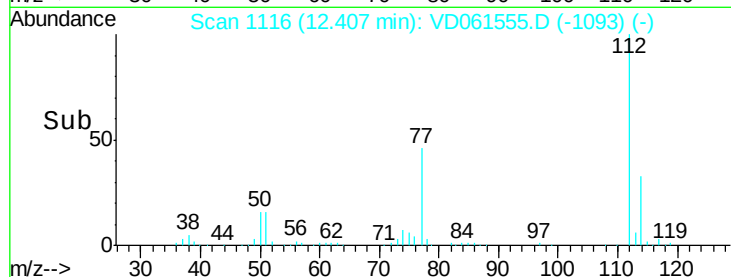
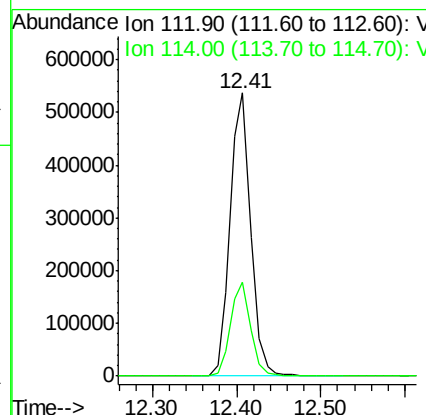
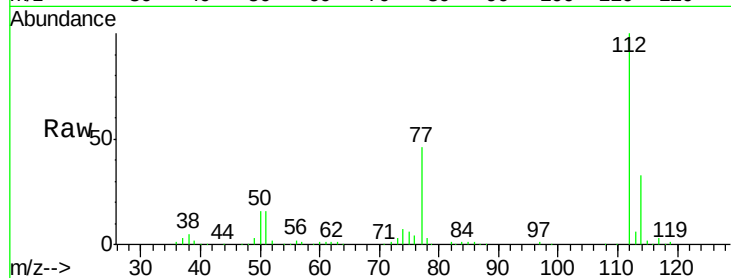
#65  
Chlorobenzene  
Concen: 52.609 ug/l  
RT: 12.41 min Scan# 1116  
Delta R.T. 0.02 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion:112 Resp: 909352  
Ion Ratio Lower Upper  
112 100  
114 33.3 26.6 39.8

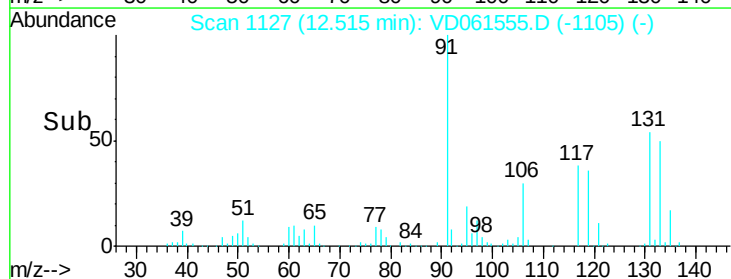
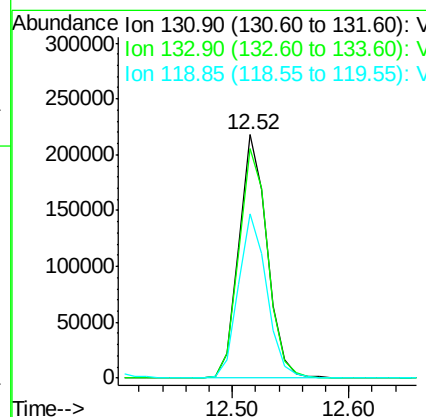
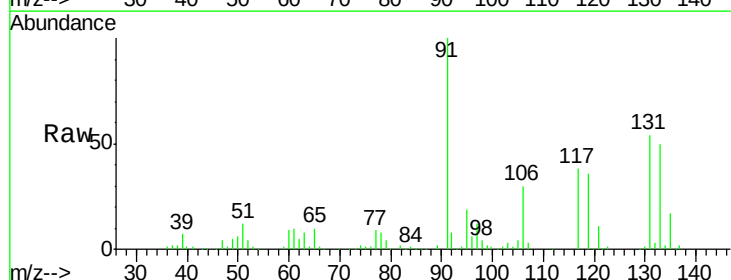
Manual Integrations  
APPROVED

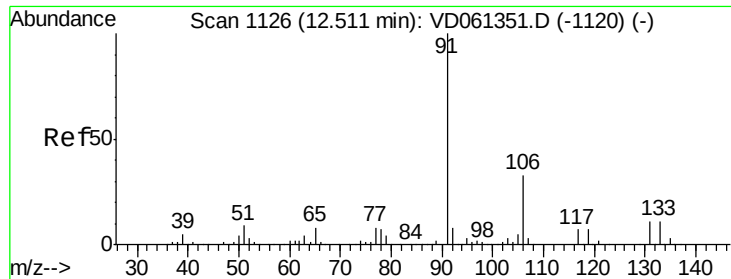
MMDadoda  
4/4/2019 9:36:01 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 54.458 ug/l  
RT: 12.52 min Scan# 1127  
Delta R.T. 0.01 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Tgt Ion:131 Resp: 364470  
Ion Ratio Lower Upper  
131 100  
133 94.1 49.4 148.2  
119 67.7 34.1 102.2





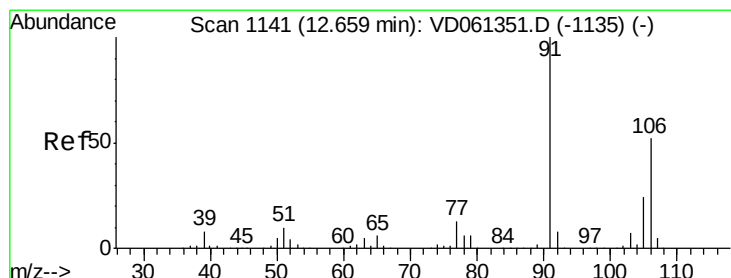
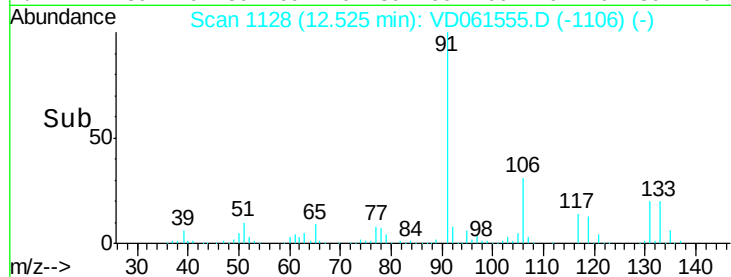
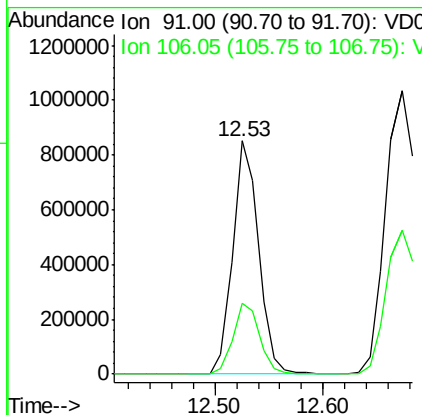
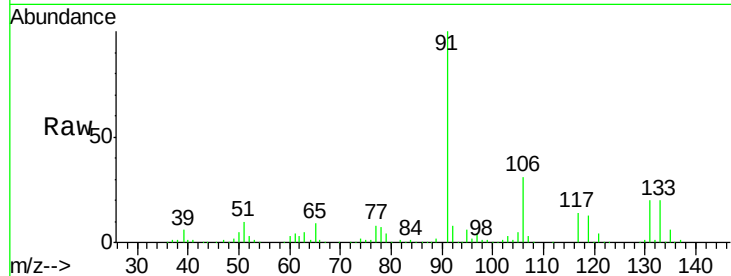
#67  
Ethyl Benzene  
Concen: 53.576 ug/l  
RT: 12.53 min Scan# 1128  
Delta R.T. 0.01 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 1413533  
Ion Ratio Lower Upper  
91 100  
106 30.6 26.1 39.1

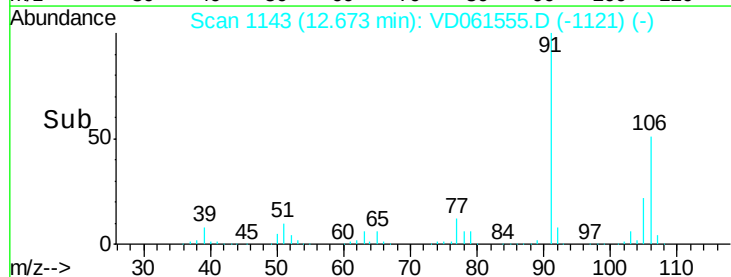
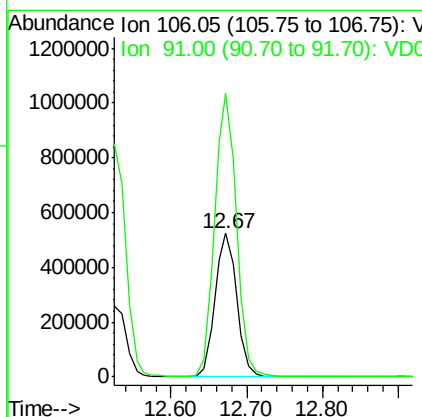
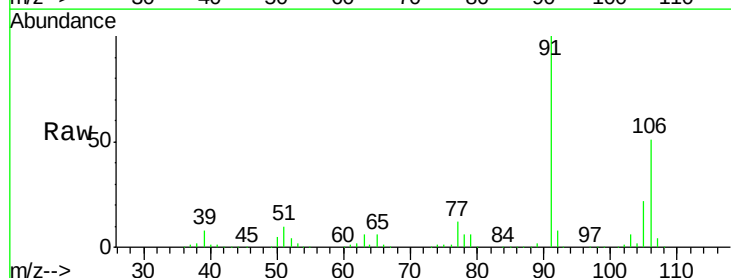
Manual Integrations  
APPROVED

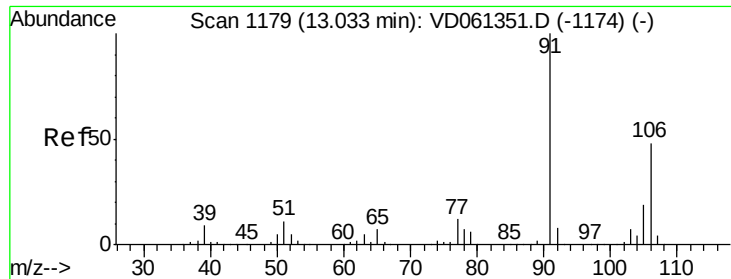
MMDadoda  
4/4/2019 9:36:01 AM



#68  
m/p-Xylenes  
Concen: 105.366 ug/l  
RT: 12.67 min Scan# 1143  
Delta R.T. 0.01 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Tgt Ion:106 Resp: 1053047  
Ion Ratio Lower Upper  
106 100  
91 197.1 153.1 229.7





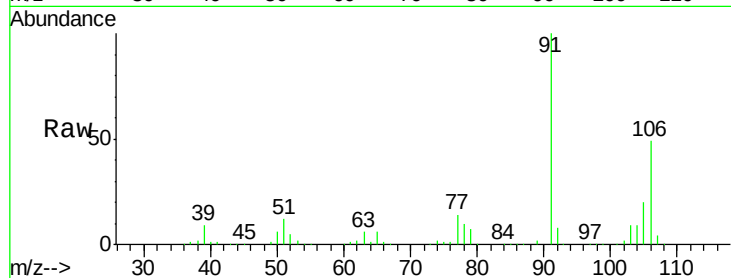
#69  
o-Xylene  
Concen: 51.371 ug/l  
RT: 13.06 min Scan# 1182  
Delta R.T. 0.02 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

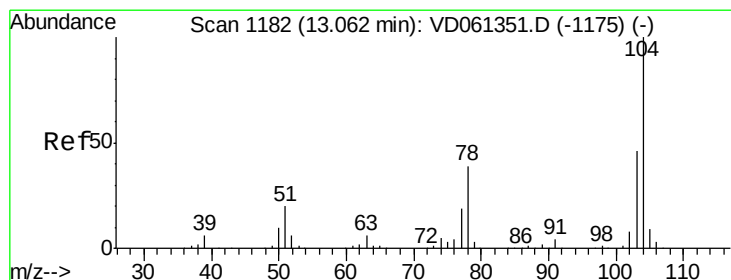
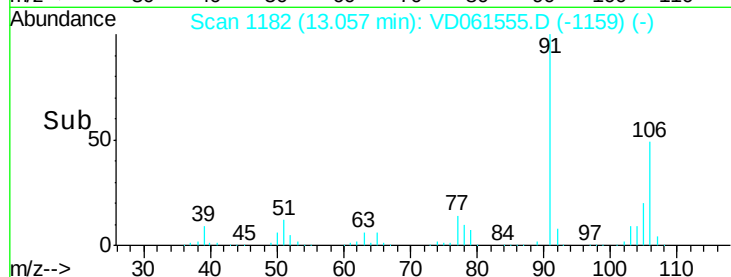
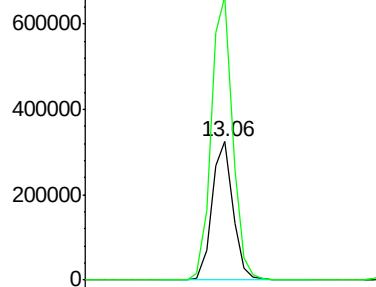
Tot Ion:106 Resp: 498224  
Ion Ratio Lower Upper  
106 100  
91 204.3 103.8 311.3

Manual Integrations  
APPROVED

MMDadoda  
4/4/2019 9:36:01 AM

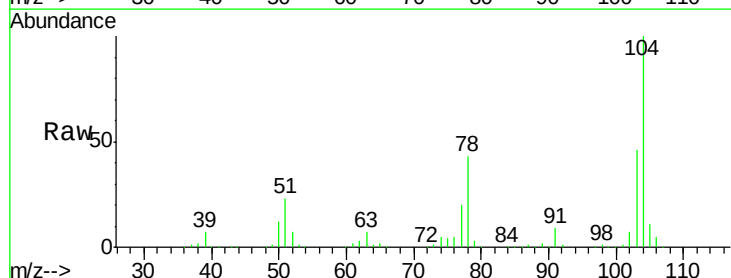


Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): VDC

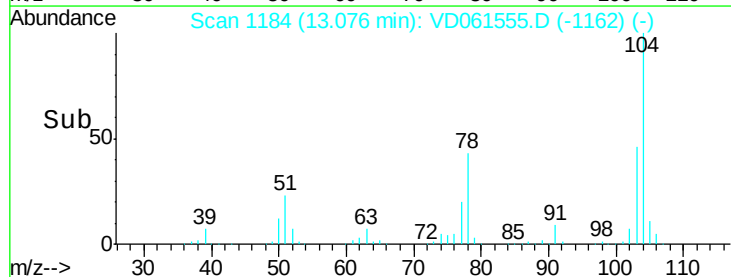
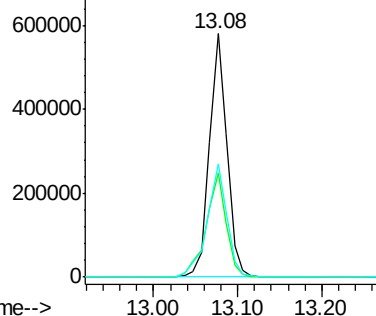


#70  
Styrene  
Concen: 49.832 ug/l  
RT: 13.08 min Scan# 1184  
Delta R.T. 0.01 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

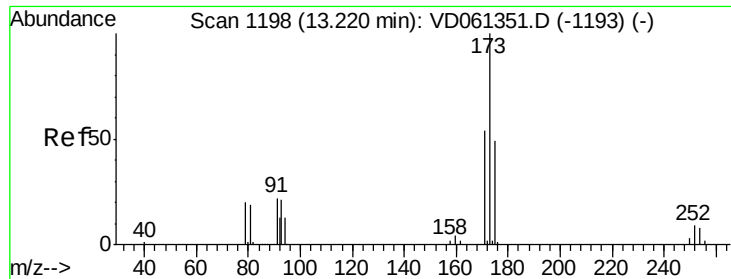
Tgt Ion:104 Resp: 842486  
Ion Ratio Lower Upper  
104 100  
78 42.7 31.0 46.6  
103 46.3 37.0 55.4



Abundance Ion 104.05 (103.75 to 104.75): V  
Ion 77.95 (77.65 to 78.65): VDC  
Ion 103.05 (102.75 to 103.75): V







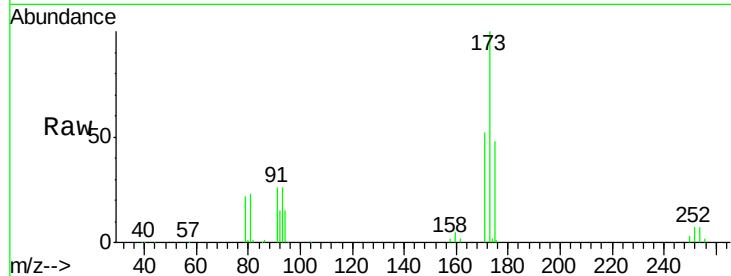
#71  
Bromoform  
Concen: 55.248 ug/l  
RT: 13.23 min Scan# 1200  
Delta R.T. 0.01 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

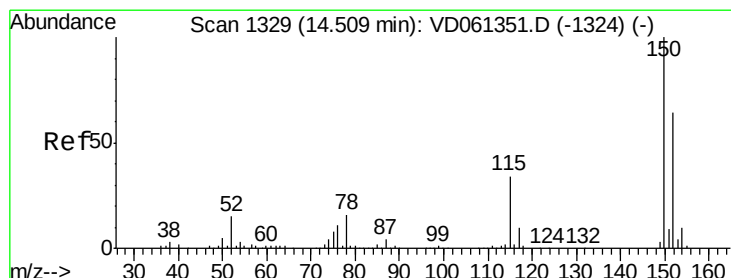
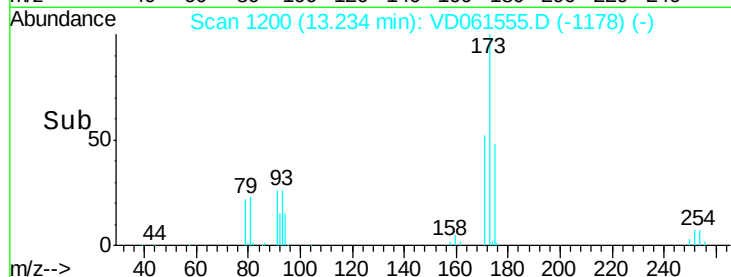
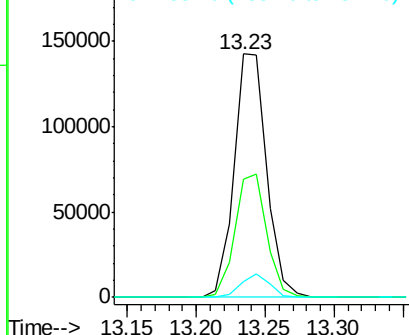
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.3  | 24.6  | 73.8  |
| 254     | 6.7   | 6.6   | 10.0  |

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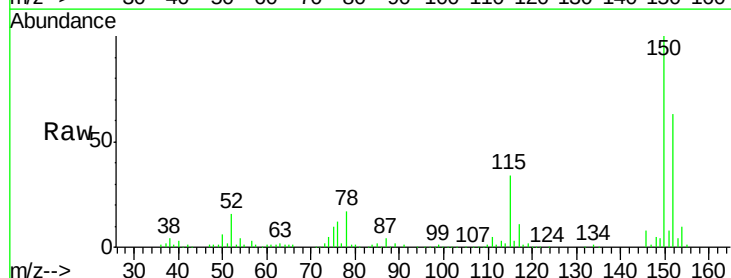


Abundance Ion 172.80 (172.50 to 173.50): V  
Ion 174.80 (174.50 to 175.50): V  
Ion 253.70 (253.40 to 254.40): V

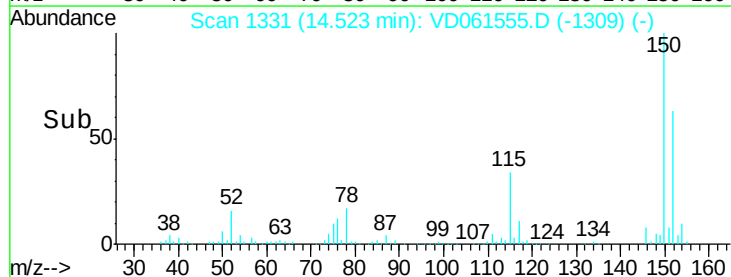
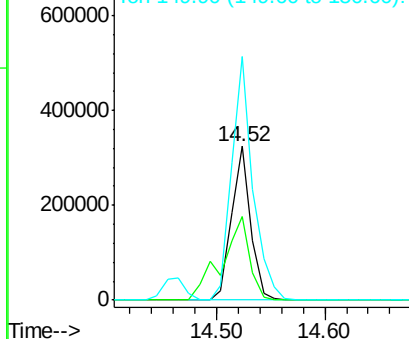


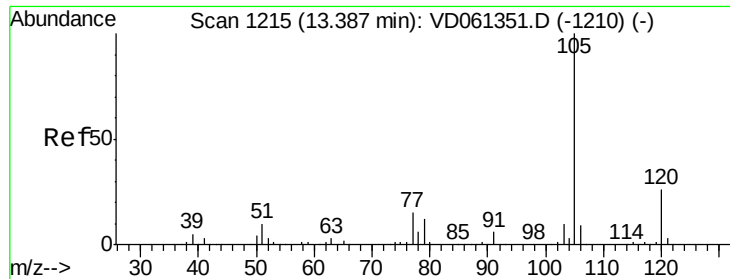
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.52 min Scan# 1331  
Delta R.T. 0.01 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.2  | 26.9  | 80.6  |
| 150     | 158.6 | 0.0   | 318.0 |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 115.00 (114.70 to 115.70): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.352 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.02 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1480993

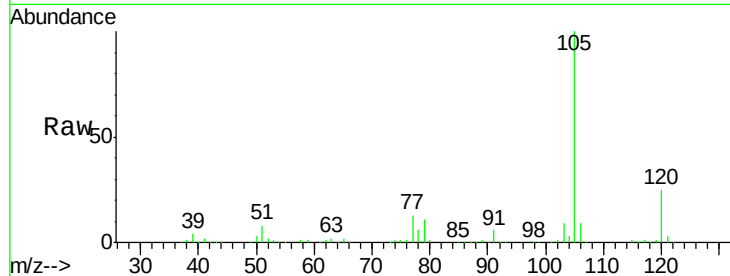
Ion Ratio Lower Upper

105 100

120 25.1 12.8 38.3

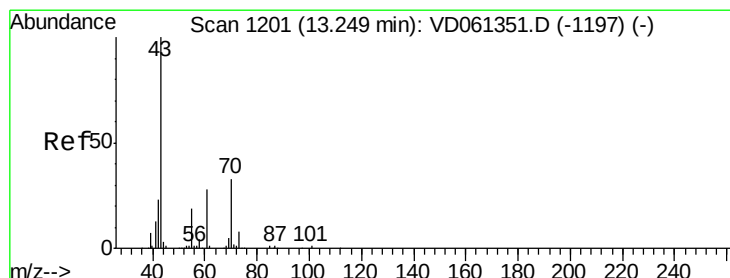
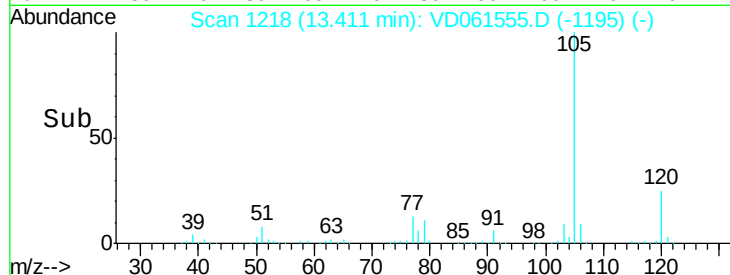
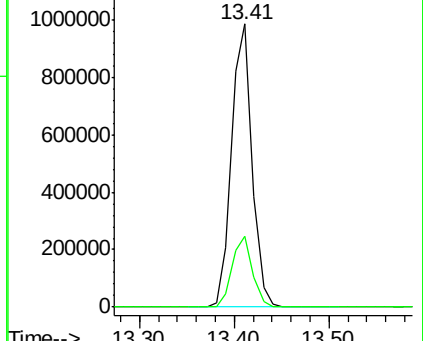
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.732 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Tgt Ion: 43 Resp: 392296

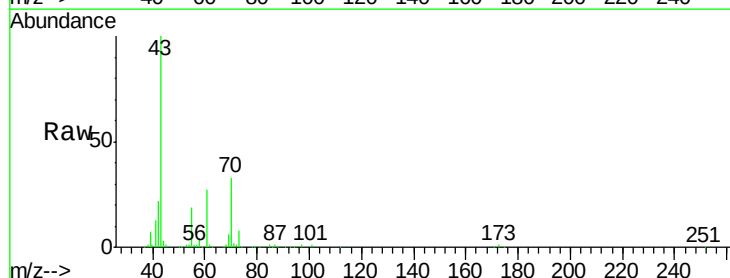
Ion Ratio Lower Upper

43 100

70 32.7 26.6 40.0

55 18.8 15.4 23.2

61 26.9 22.2 33.4

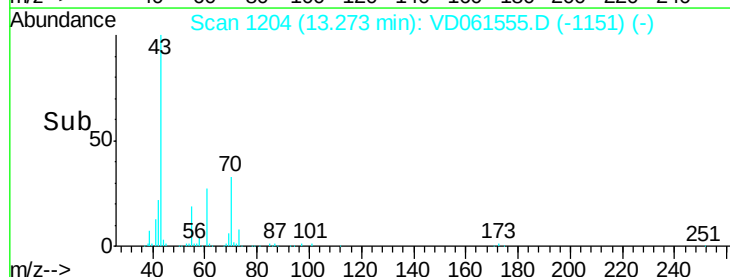
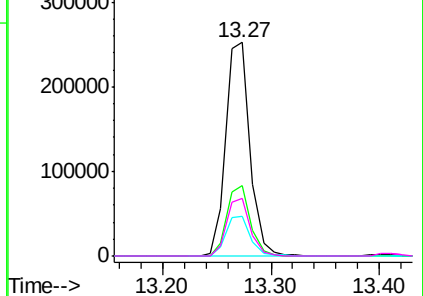


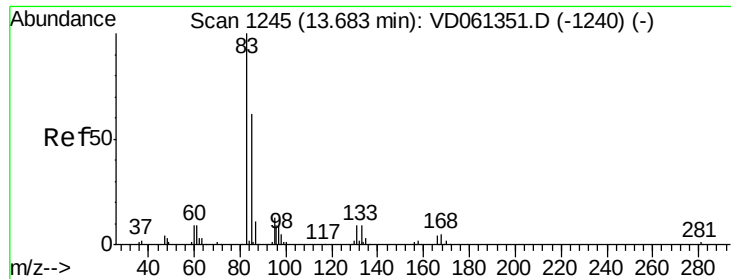
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 47.699 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.02 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA\_D

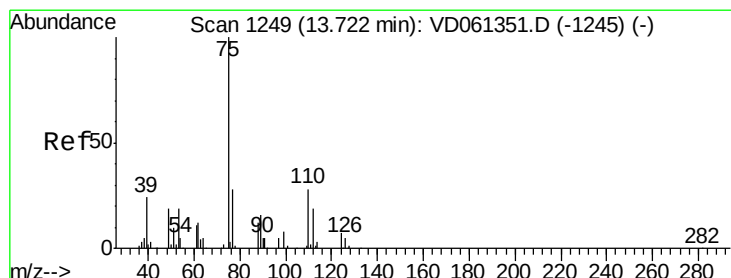
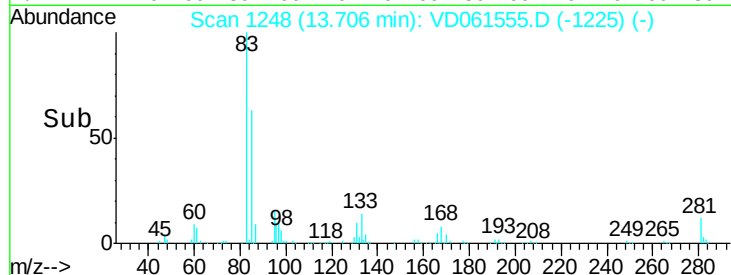
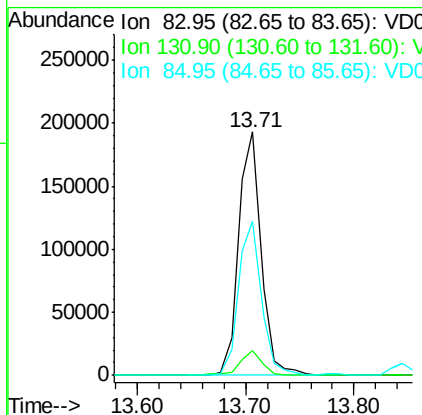
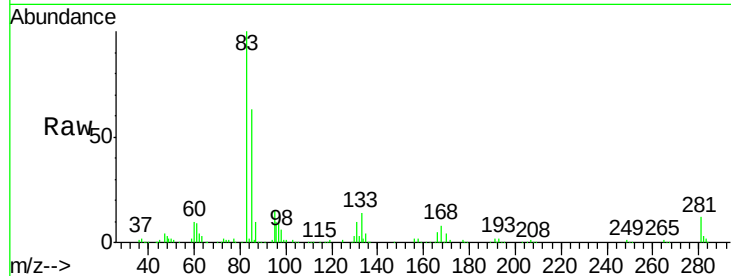
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 279310 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.4  | 4.3   | 13.1   |
| 85        | 63.5  | 31.2  | 93.6   |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 47.178 ug/l

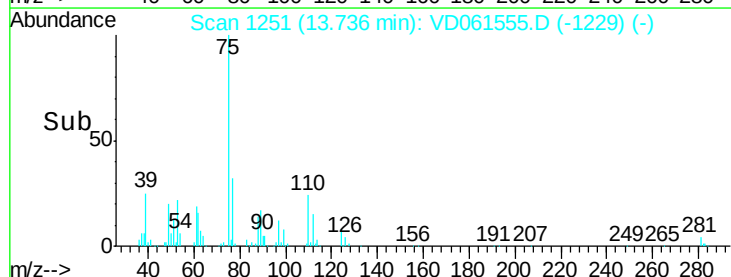
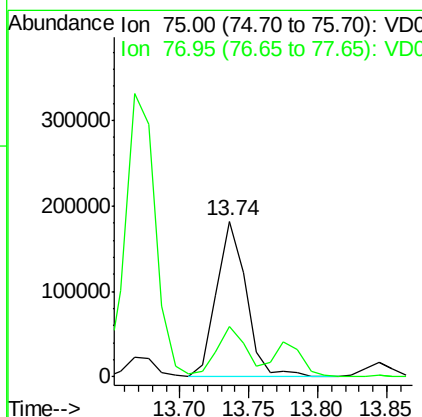
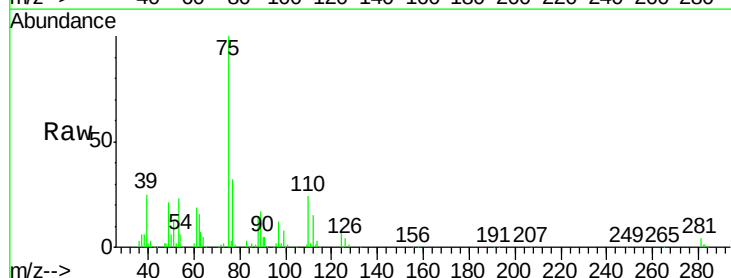
RT: 13.74 min Scan# 1251

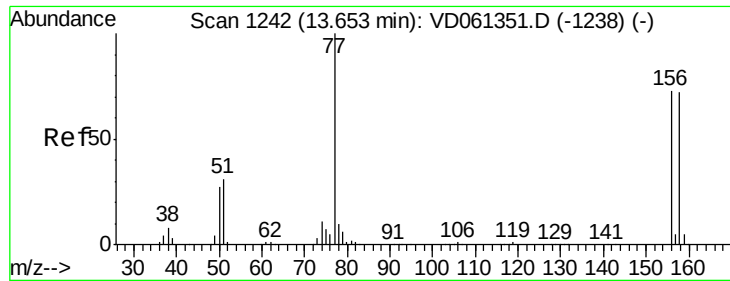
Delta R.T. 0.01 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 271806 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 32.3  | 16.2  | 48.5   |





#77

Bromobenzene

Concen: 49.030 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 403482

Ion Ratio Lower Upper

156 100

77 103.2 68.5 205.6

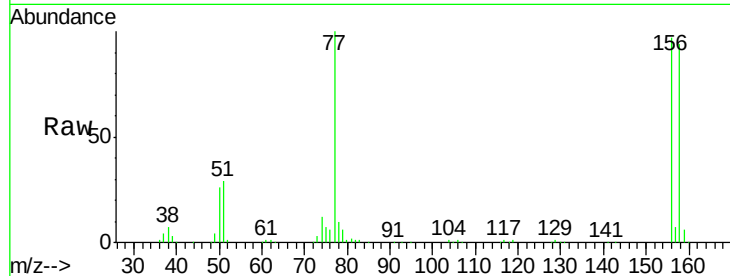
158 97.0 49.1 147.3

Manual Integrations

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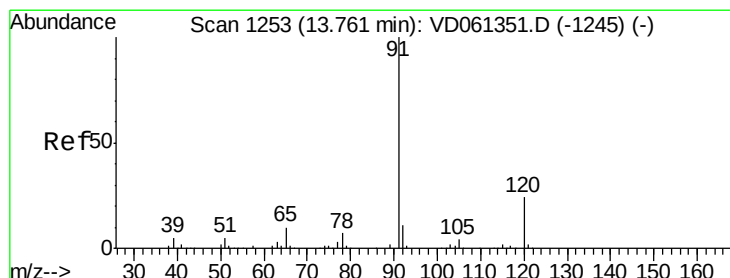
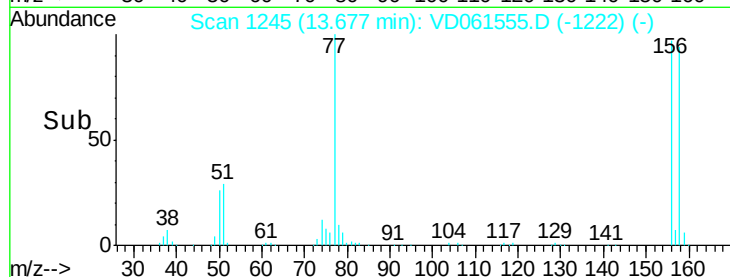
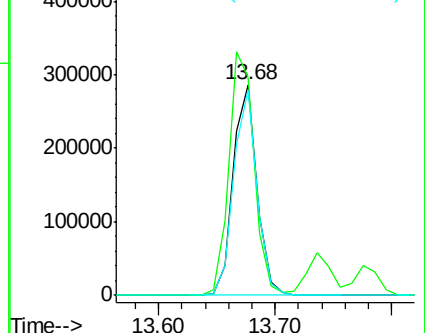
4/4/2019 9:36:01 AM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 47.193 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061555.D

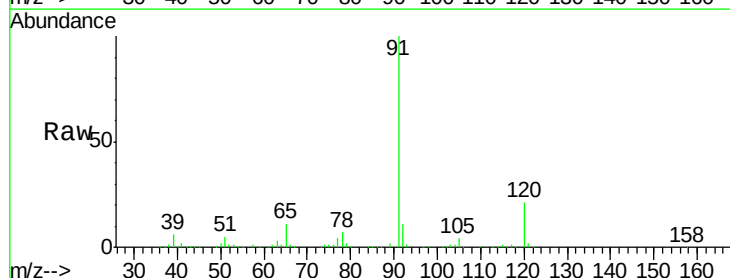
Acq: 3 Apr 2019 14:37

Tgt Ion: 91 Resp: 1603172

Ion Ratio Lower Upper

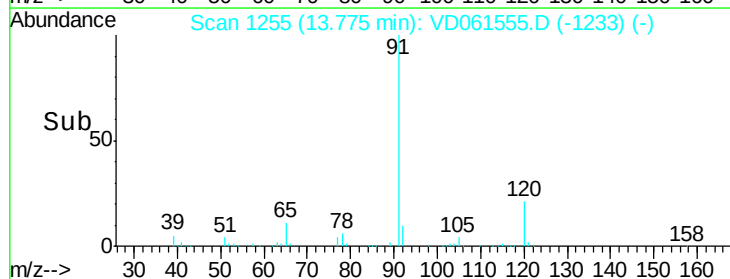
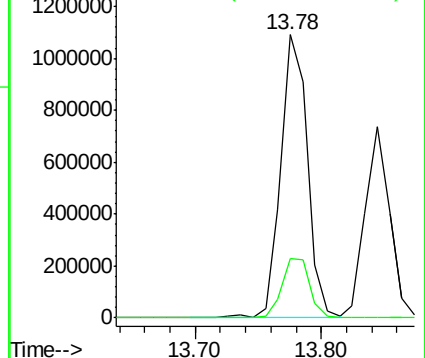
91 100

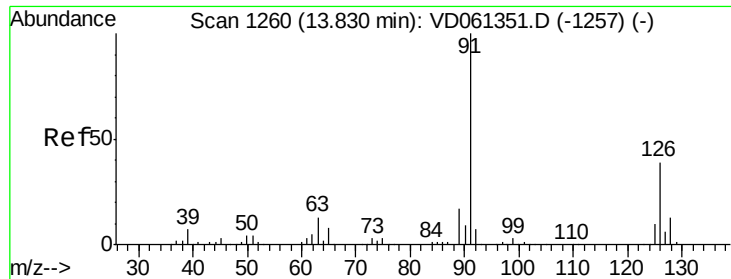
120 21.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 53.057 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 978634

Ion Ratio Lower Upper

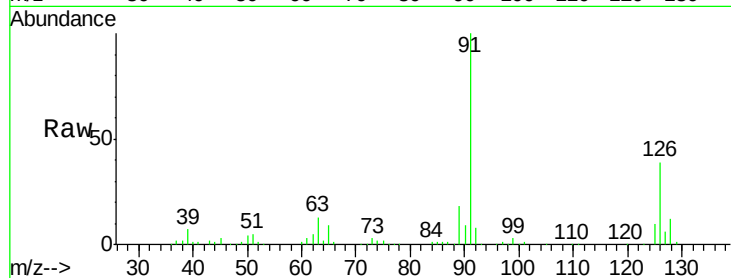
91 100

126 38.7 19.4 58.2

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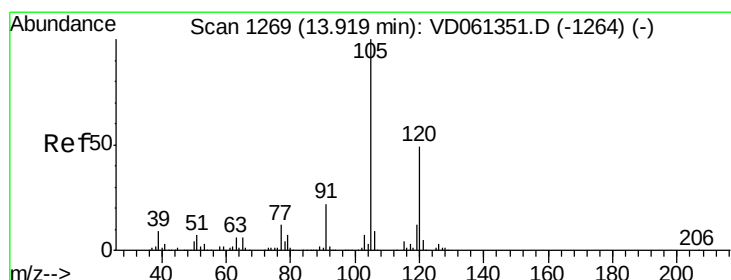
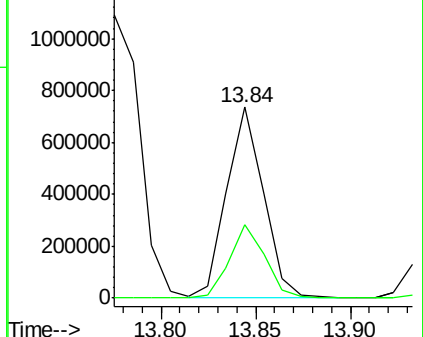
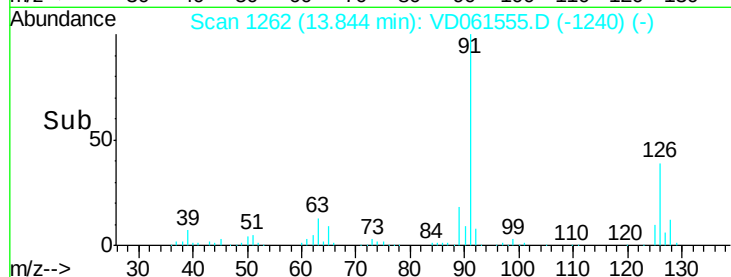
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Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)

Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.534 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD061555.D

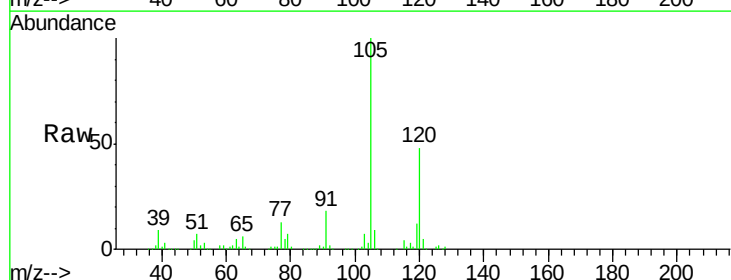
Acq: 3 Apr 2019 14:37

Tgt Ion: 105 Resp: 1088372

Ion Ratio Lower Upper

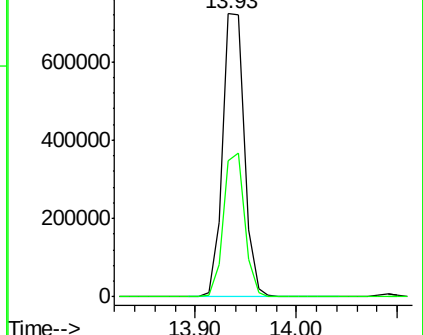
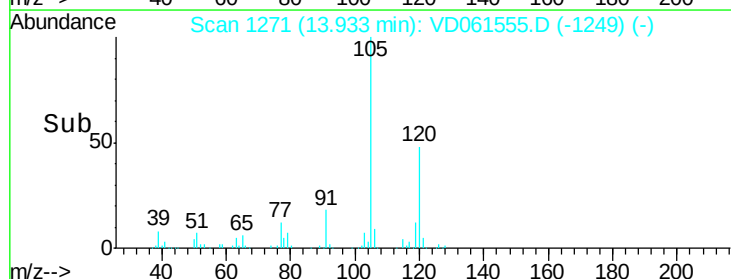
105 100

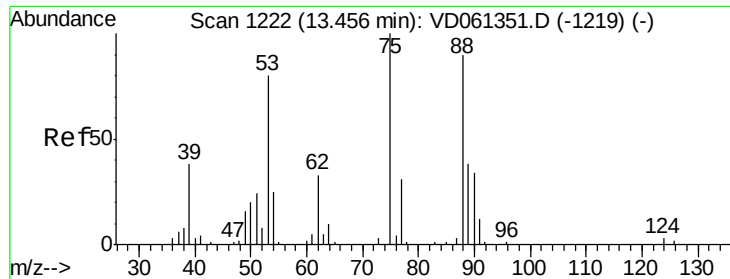
120 48.2 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1264) (-)

Ion 120.05 (119.75 to 120.75): VD061351.D (-1264) (-)





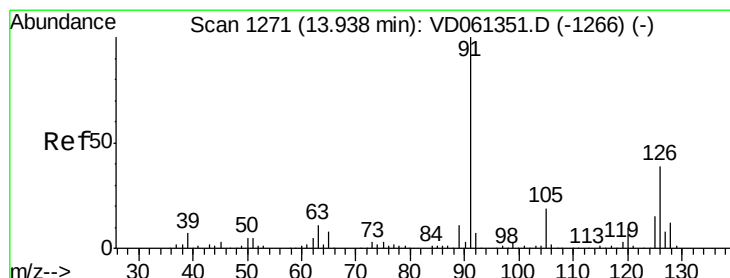
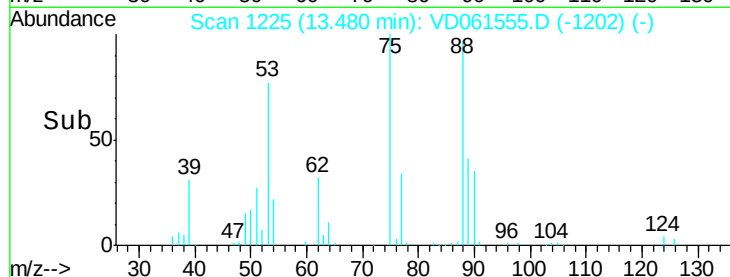
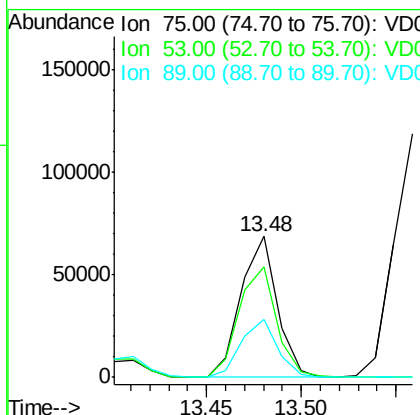
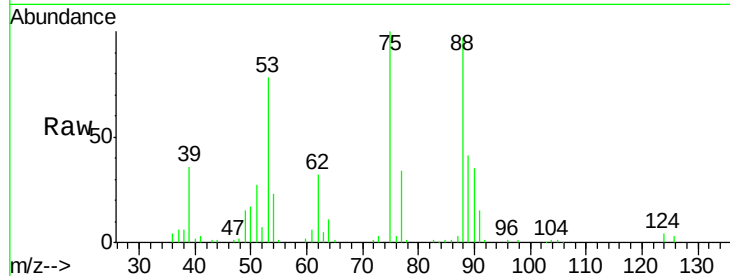
#81  
trans-1,4-Dichloro-2-butene  
Concen: 52.015 ug/l  
RT: 13.48 min Scan# 1225  
Delta R.T. 0.02 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 78.2  | 63.8  | 95.8  |
| 89      | 41.2  | 30.5  | 45.7  |

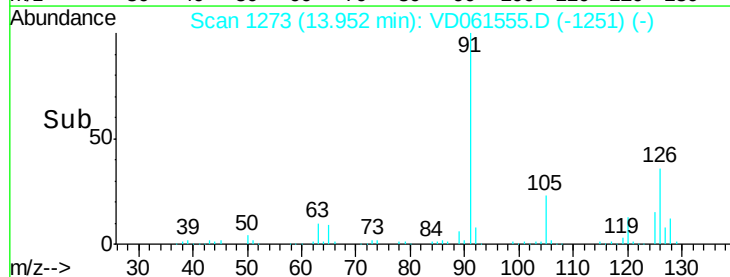
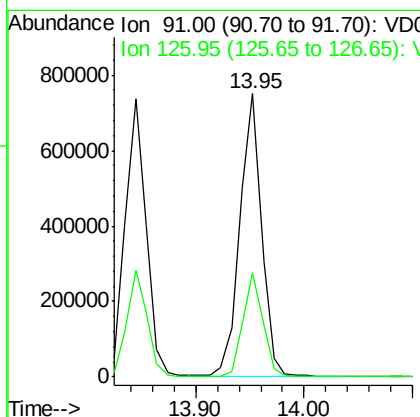
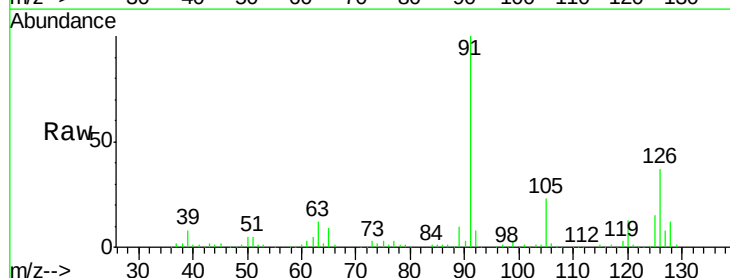
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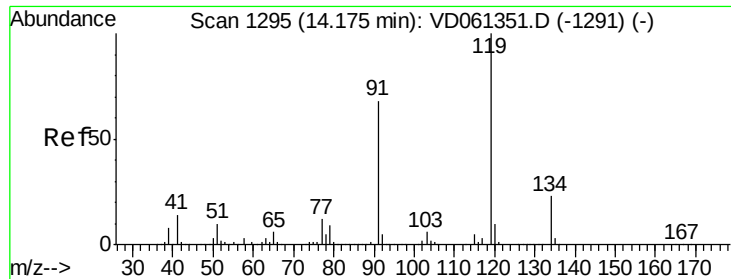
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#82  
4-Chlorotoluene  
Concen: 52.247 ug/l  
RT: 13.95 min Scan# 1273  
Delta R.T. 0.01 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 36.7  | 19.6  | 58.8  |





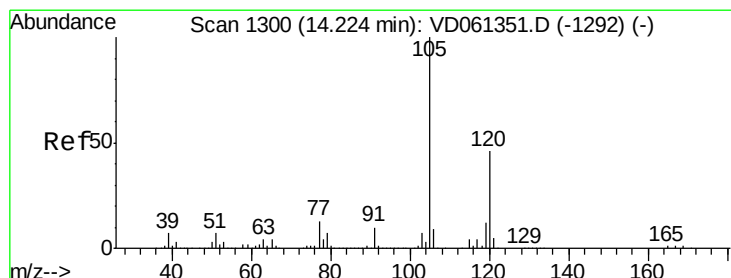
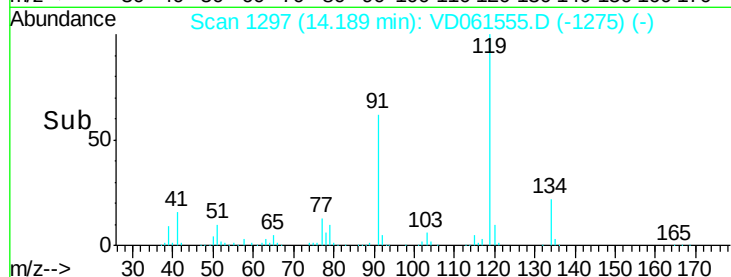
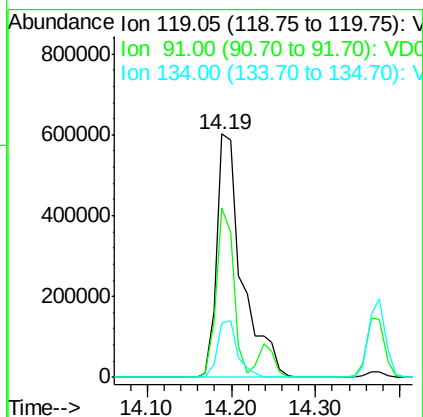
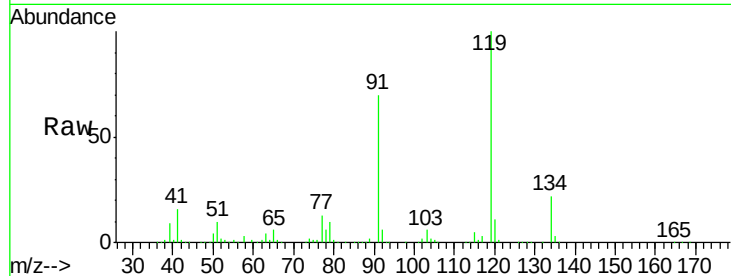
#83  
 tert-Butylbenzene  
 Concen: 46.922 ug/l  
 RT: 14.19 min Scan# 1297  
 Delta R.T. 0.01 min  
 Lab File: VD061555.D  
 Acq: 3 Apr 2019 14:37

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 119     | 100  |       |       |       |
| 91      | 69.7 | 34.1  | 102.3 |       |
| 134     | 22.5 | 11.6  | 34.8  |       |

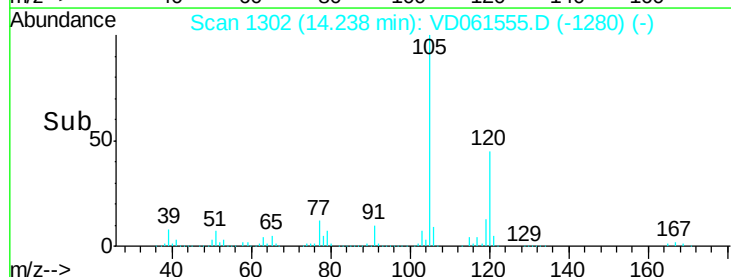
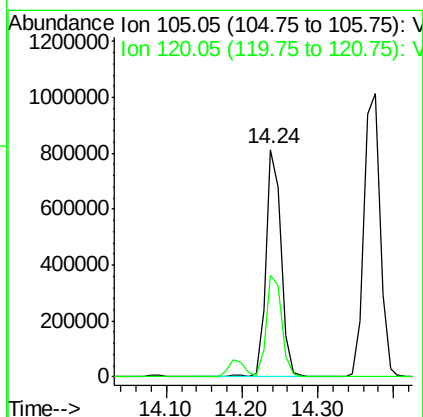
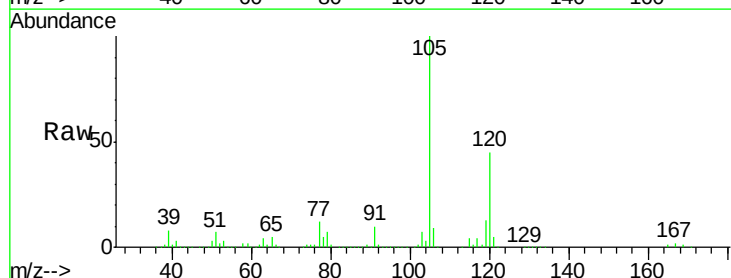
Manual Integrations  
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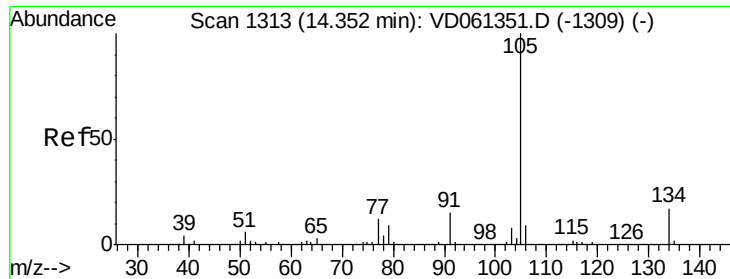
MMDadoda  
 4/4/2019 9:36:01 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 48.941 ug/l  
 RT: 14.24 min Scan# 1302  
 Delta R.T. 0.01 min  
 Lab File: VD061555.D  
 Acq: 3 Apr 2019 14:37

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 105     | 100  |       |       |       |
| 120     | 44.9 | 22.8  | 68.4  |       |





#85

sec-Butylbenzene

Concen: 51.556 ug/l

RT: 14.38 min Scan# 1316

Delta R.T. 0.02 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1474188

Ion Ratio Lower Upper

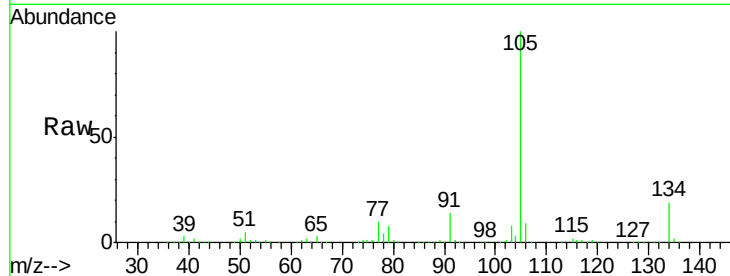
105 100

134 19.1 8.7 26.1

Manual Integrations  
APPROVED

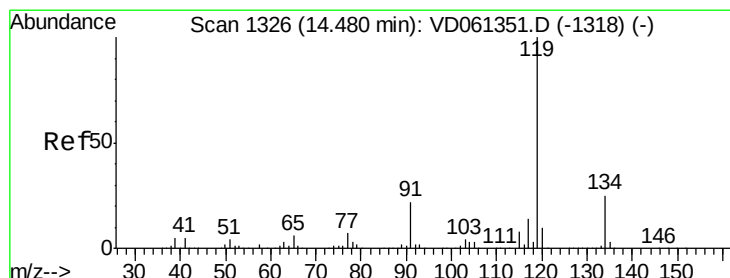
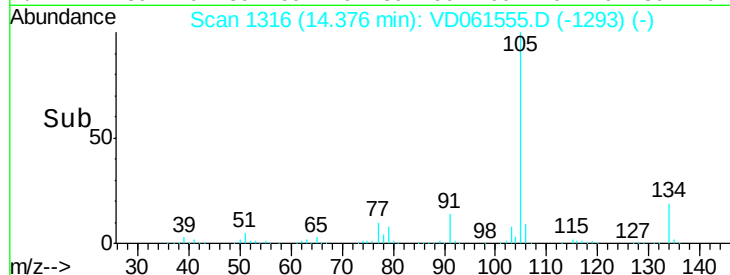
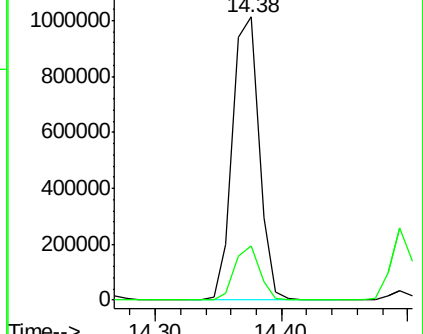
MMDadoda

4/4/2019 9:36:01 AM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 52.705 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

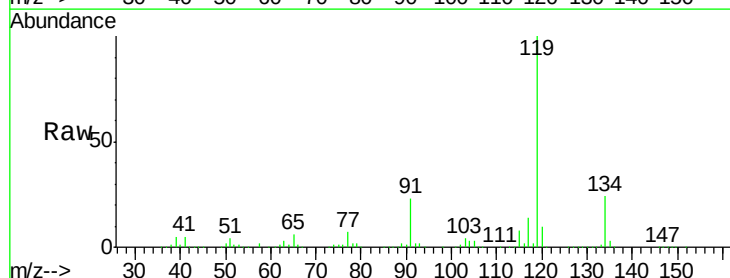
Tgt Ion:119 Resp: 1274365

Ion Ratio Lower Upper

119 100

134 24.1 12.3 36.8

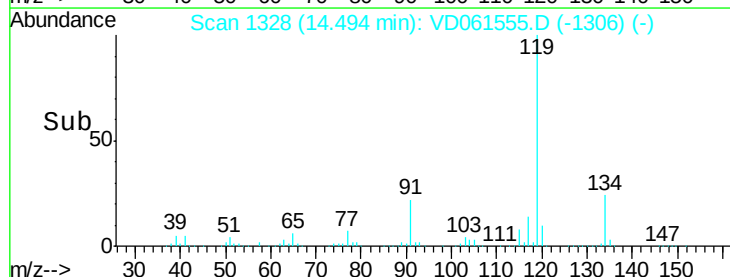
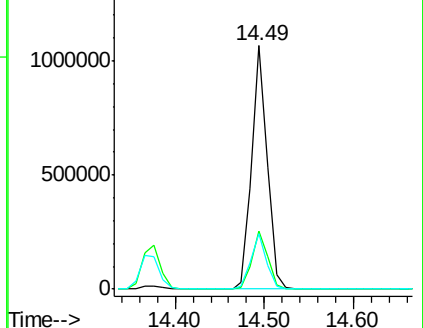
91 22.6 11.1 33.1



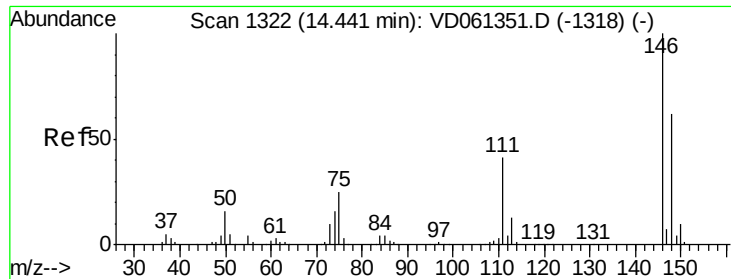
Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V







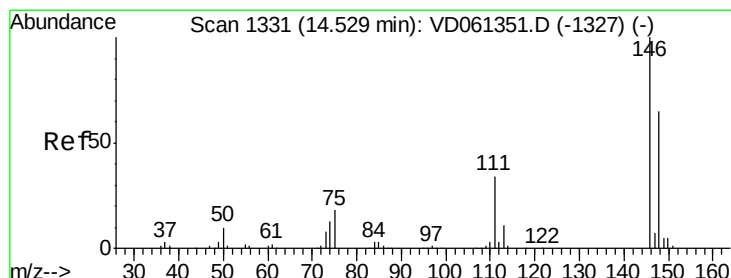
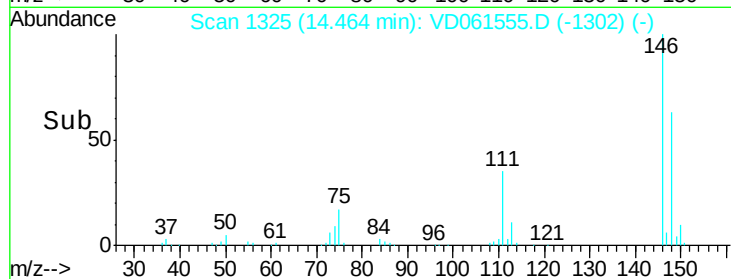
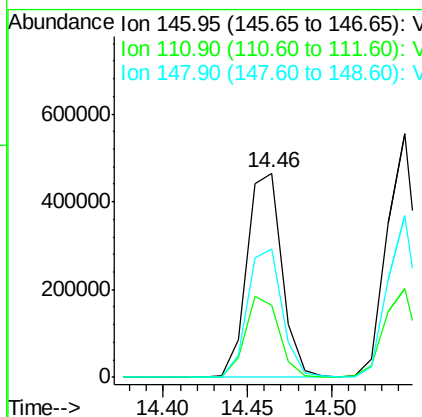
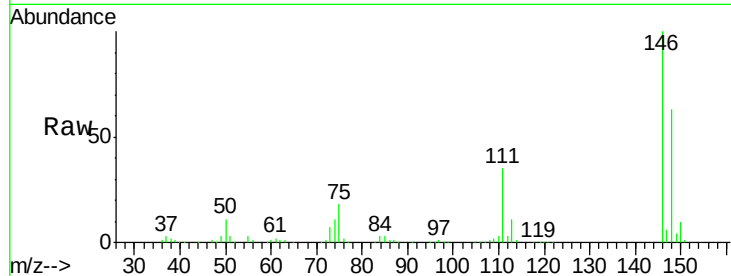
#87  
 1,3-Dichlorobenzene  
 Concen: 48.197 ug/l  
 RT: 14.46 min Scan# 1325  
 Delta R.T. 0.02 min  
 Lab File: VD061555.D  
 Acq: 3 Apr 2019 14:37

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 35.1  | 20.6  | 61.9  |
| 148     | 62.7  | 31.1  | 93.3  |

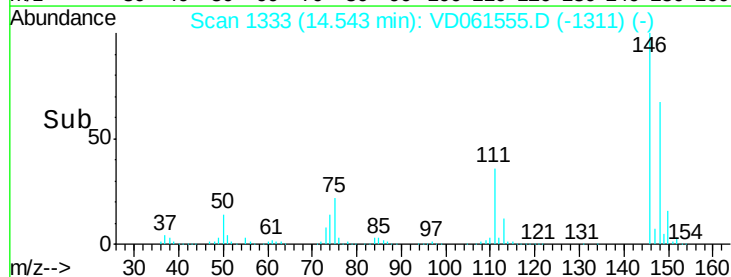
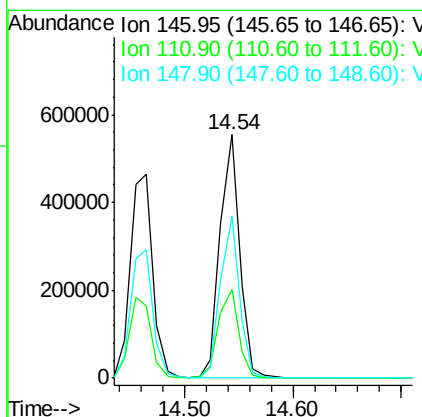
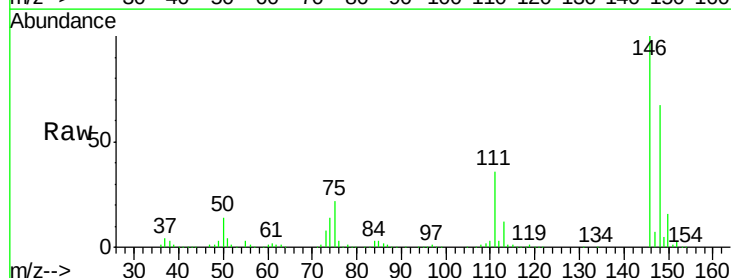
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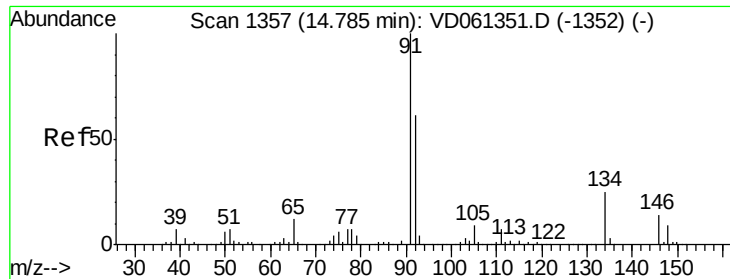
MMDadoda  
 4/4/2019 9:36:01 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 51.668 ug/l  
 RT: 14.54 min Scan# 1333  
 Delta R.T. 0.01 min  
 Lab File: VD061555.D  
 Acq: 3 Apr 2019 14:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.4  | 16.8  | 50.4  |
| 148     | 66.6  | 32.6  | 98.0  |





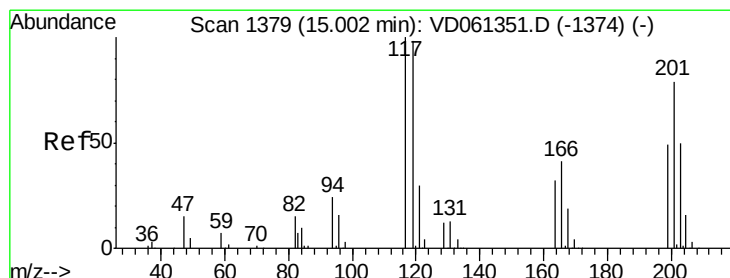
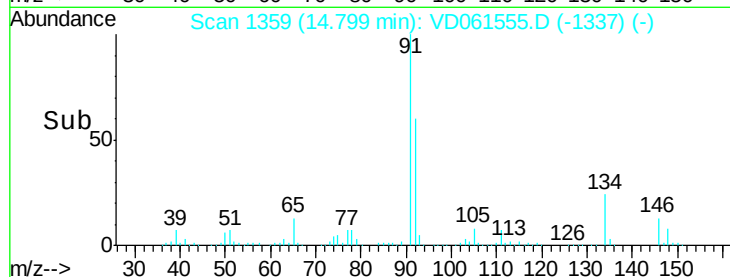
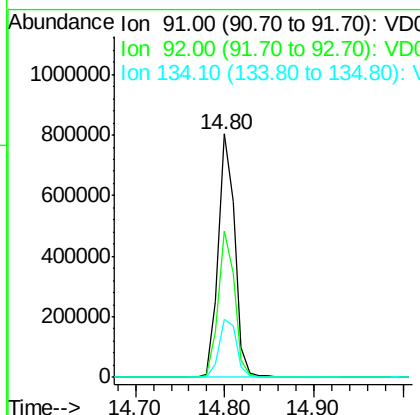
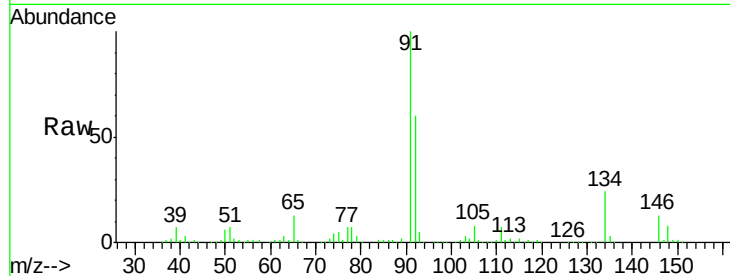
#89  
n-Butylbenzene  
Concen: 47.214 ug/l  
RT: 14.80 min Scan# 1359  
Delta R.T. 0.01 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 1047798  
Ion Ratio Lower Upper  
91 100  
92 60.1 30.3 91.0  
134 24.0 12.4 37.0

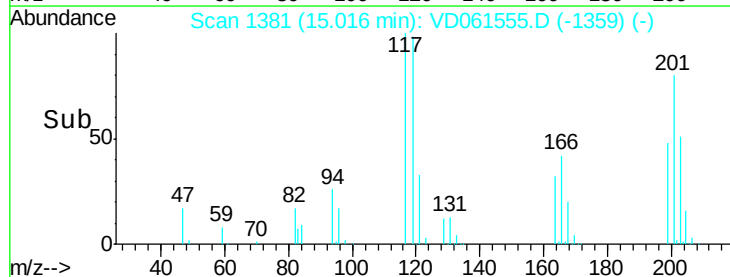
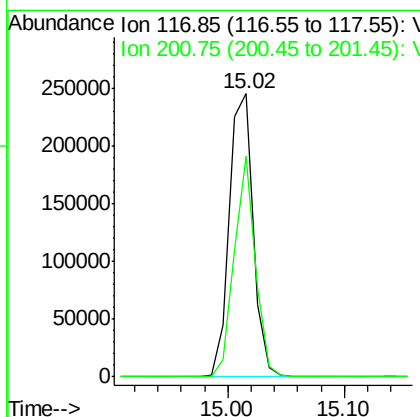
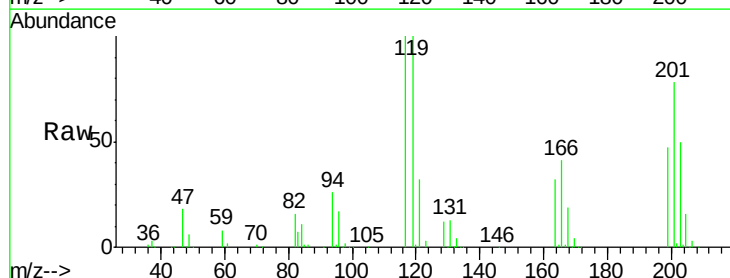
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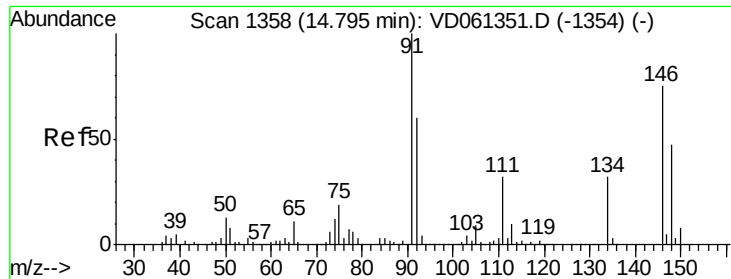
MMDadoda  
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#90  
Hexachloroethane  
Concen: 51.151 ug/l  
RT: 15.02 min Scan# 1381  
Delta R.T. 0.01 min  
Lab File: VD061555.D  
Acq: 3 Apr 2019 14:37

Tgt Ion: 117 Resp: 349402  
Ion Ratio Lower Upper  
117 100  
201 78.2 39.6 119.0





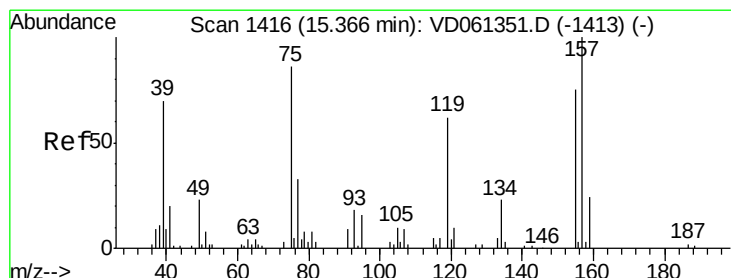
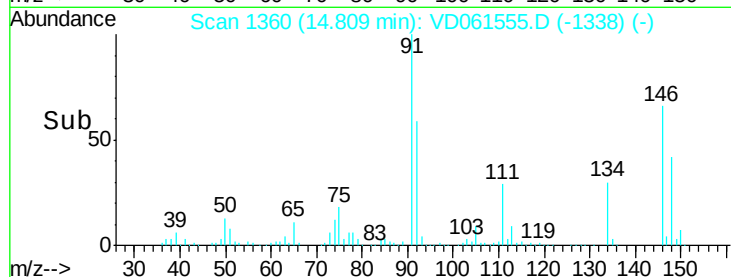
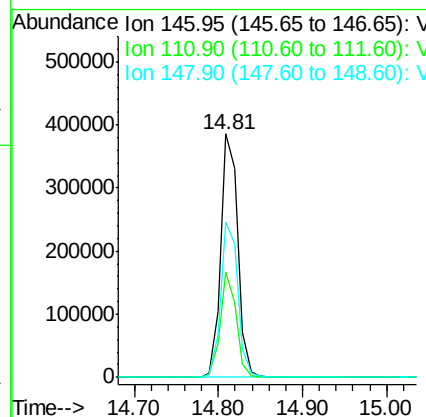
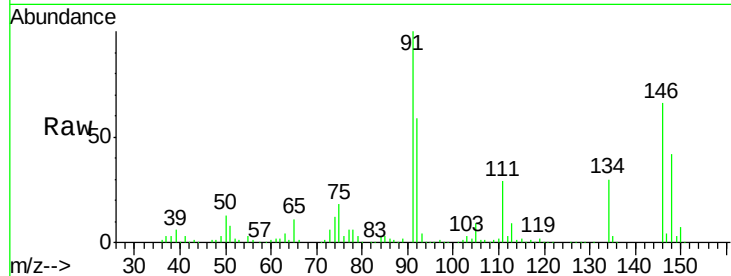
#91  
 1,2-Dichlorobenzene  
 Concen: 47.293 ug/l  
 RT: 14.81 min Scan# 1360  
 Delta R.T. 0.01 min  
 Lab File: VD061555.D  
 Acq: 3 Apr 2019 14:37

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.2  | 21.2  | 63.6  |
| 148     | 63.5  | 31.6  | 95.0  |

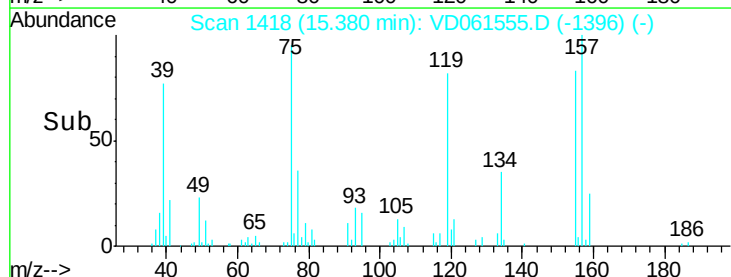
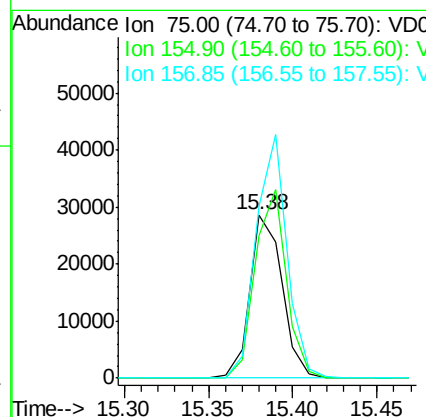
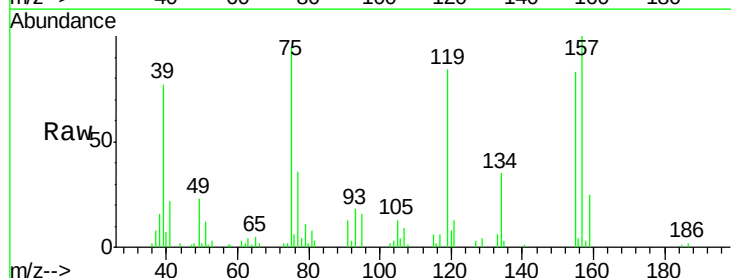
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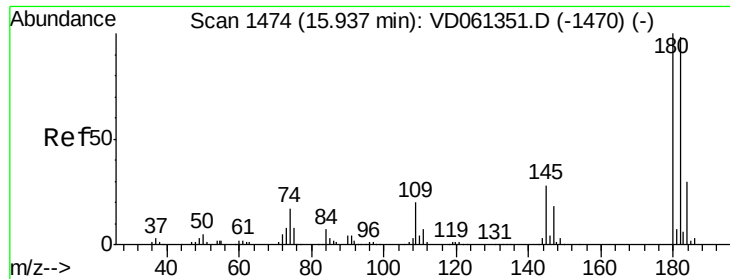
MMDadoda  
 4/4/2019 9:36:01 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 55.135 ug/l  
 RT: 15.38 min Scan# 1418  
 Delta R.T. 0.01 min  
 Lab File: VD061555.D  
 Acq: 3 Apr 2019 14:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 87.7  | 43.6  | 130.9 |
| 157     | 105.7 | 58.5  | 175.3 |





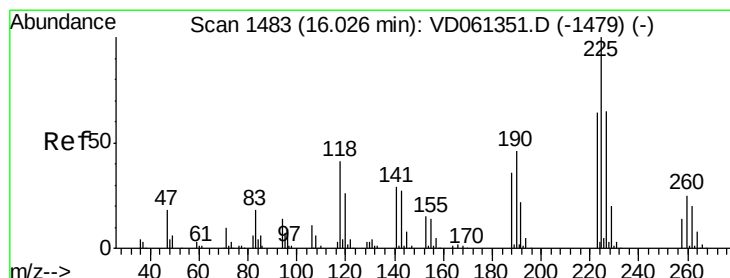
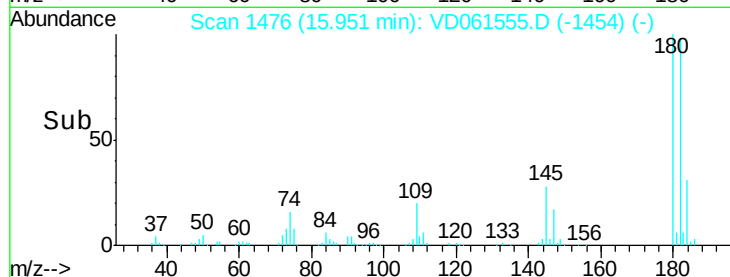
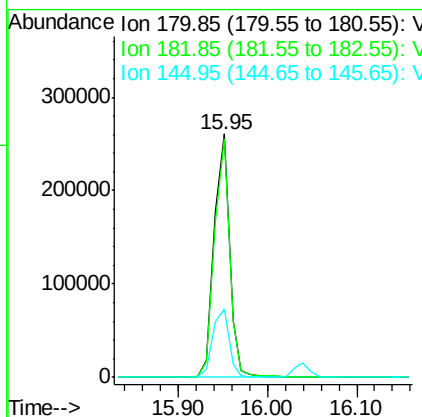
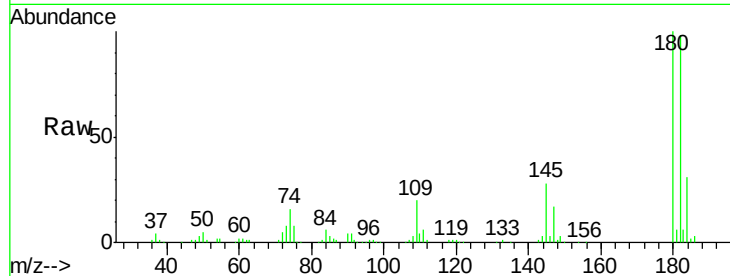
#93  
 1,2,4-Trichlorobenzene  
 Concen: 60.544 ug/l  
 RT: 15.95 min Scan# 1476  
 Delta R.T. 0.01 min  
 Lab File: VD061555.D  
 Acq: 3 Apr 2019 14:37

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 315255 |       |       |
| 182     | 97.8  | 48.9   | 146.8 |       |
| 145     | 28.1  | 14.1   | 42.3  |       |

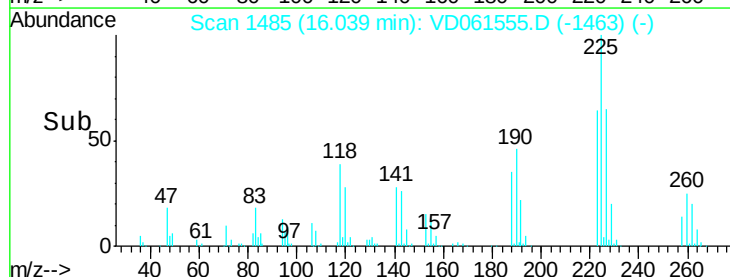
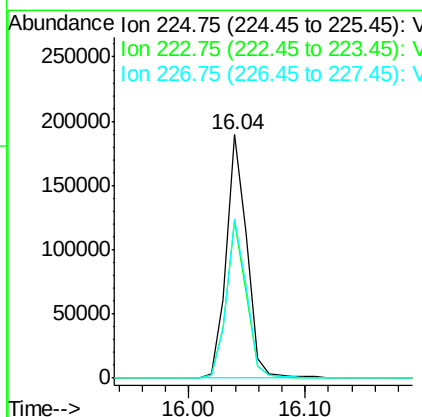
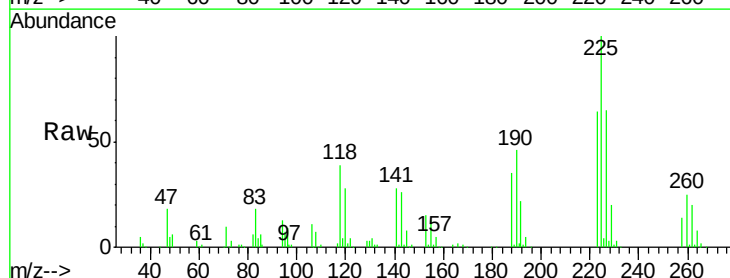
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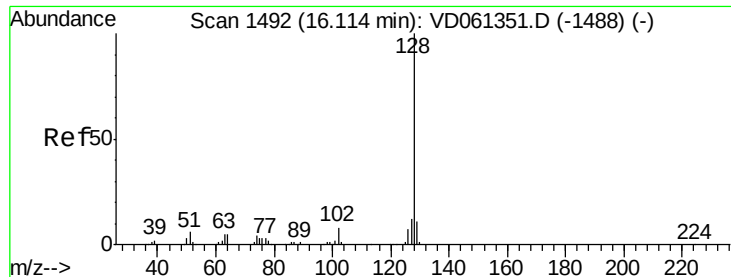
MMDadoda  
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#94  
 Hexachlorobutadiene  
 Concen: 56.837 ug/l  
 RT: 16.04 min Scan# 1485  
 Delta R.T. 0.01 min  
 Lab File: VD061555.D  
 Acq: 3 Apr 2019 14:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 231264 |       |       |
| 223     | 64.3  | 32.0   | 96.0  |       |
| 227     | 65.4  | 32.4   | 97.2  |       |





#95

Naphthalene

Concen: 59.967 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

Instrument :

MSVOA\_D

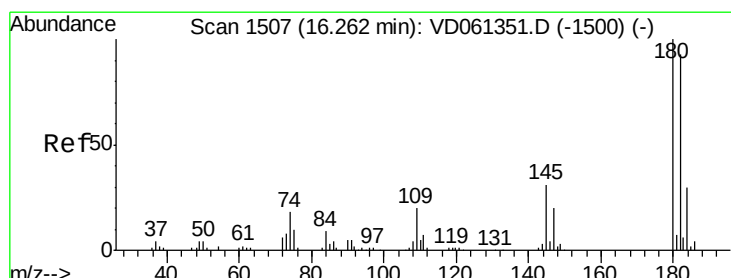
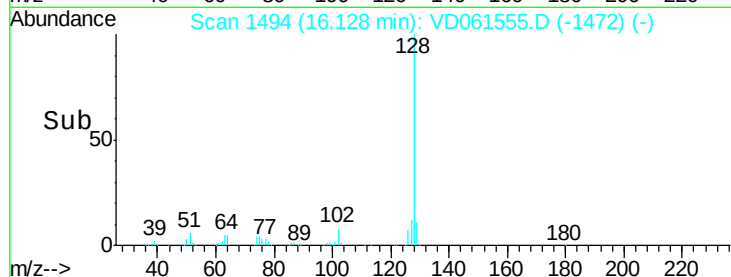
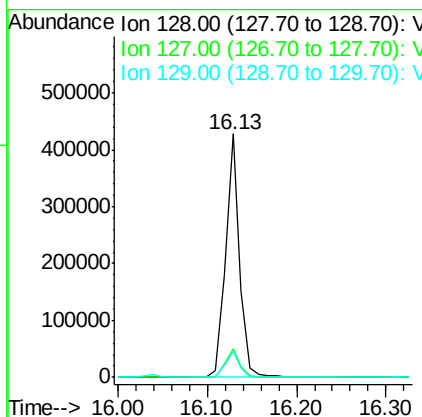
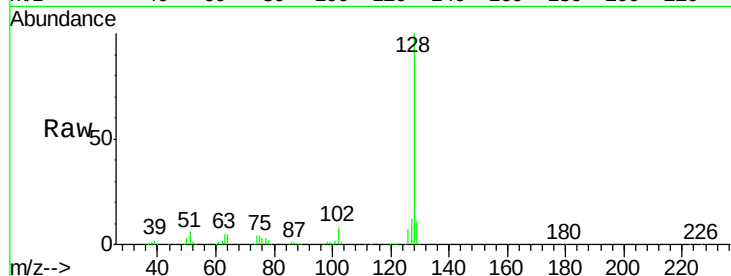
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 475949 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 11.9  | 9.9   | 14.9   |
| 129       | 10.9  | 8.9   | 13.3   |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 65.898 ug/l

RT: 16.28 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VD061555.D

Acq: 3 Apr 2019 14:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 150994 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 97.4  | 46.4  | 139.1  |
| 145       | 31.2  | 15.3  | 45.9   |

