

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112119\  
 Data File : VD064324.D  
 Acq On : 21 Nov 2019 15:01  
 Operator : VA/SY  
 Sample : VD1121SBS01  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1121SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 11/23/2019 6:11:36 AM

Quant Time: Nov 22 01:18:27 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110819S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 12 02:43:24 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 617630   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 886210   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 753020   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 374778   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.34   | 65  | 245344   | 48.30 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.60% |      |
| 35) Dibromofluoromethane  | 7.92   | 113 | 251452   | 49.43 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.86% |      |
| 50) Toluene-d8            | 10.34  | 98  | 933756   | 48.66 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.32% |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 317228   | 47.73 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.46% |      |

## Target Compounds

|                               |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 93402  | 18.234  | ug/l | 97     |
| 3) Chloromethane              | 2.21 | 50  | 117124 | 21.317  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.35 | 62  | 135211 | 23.012  | ug/l | 97     |
| 5) Bromomethane               | 2.76 | 94  | 92482  | 24.926  | ug/l | 97     |
| 6) Chloroethane               | 2.92 | 64  | 93880  | 25.005  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 238172 | 25.002  | ug/l | 93     |
| 8) Diethyl Ether              | 3.71 | 74  | 52204  | 19.930  | ug/l | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.08 | 101 | 111210 | 20.425  | ug/l | 99     |
| 10) Methyl Iodide             | 4.30 | 142 | 109978 | 19.007  | ug/l | 99     |
| 11) Tert butyl alcohol        | 5.26 | 59  | 34906m | 98.385  | ug/l |        |
| 12) 1,1-Dichloroethene        | 4.06 | 96  | 105390 | 20.307  | ug/l | 97     |
| 13) Acrolein                  | 3.92 | 56  | 21592  | 71.939  | ug/l | 96     |
| 14) Allyl chloride            | 4.71 | 41  | 170361 | 18.566  | ug/l | 94     |
| 15) Acrylonitrile             | 5.43 | 53  | 120308 | 107.741 | ug/l | 98     |
| 16) Acetone                   | 4.17 | 43  | 92542  | 76.902  | ug/l | 93     |
| 17) Carbon Disulfide          | 4.40 | 76  | 295822 | 18.303  | ug/l | 99     |
| 18) Methyl Acetate            | 4.73 | 43  | 70372  | 20.938  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 5.48 | 73  | 251593 | 20.307  | ug/l | 94     |
| 20) Methylene Chloride        | 4.96 | 84  | 123539 | 20.324  | ug/l | 96     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96  | 117366 | 19.961  | ug/l | 96     |
| 22) Diisopropyl ether         | 6.37 | 45  | 331941 | 19.497  | ug/l | 96     |
| 23) Vinyl Acetate             | 6.31 | 43  | 953372 | 100.456 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 6.27 | 63  | 198278 | 20.058  | ug/l | 98     |
| 25) 2-Butanone                | 7.23 | 43  | 151438 | 97.407  | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 182544 | 18.830  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 129144 | 20.481  | ug/l | 95     |
| 28) Bromochloromethane        | 7.55 | 49  | 56413  | 16.391  | ug/l | 98     |
| 29) Tetrahydrofuran           | 7.57 | 42  | 95586  | 102.331 | ug/l | 99     |
| 30) Chloroform                | 7.71 | 83  | 214988 | 21.261  | ug/l | 100    |
| 31) Cyclohexane               | 7.98 | 56  | 189210 | 18.978  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 7.90 | 97  | 194838 | 20.123  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 159472 | 19.498  | ug/l | 98     |
| 37) Ethyl Acetate             | 7.30 | 43  | 68277  | 19.802  | ug/l | 97     |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 169245 | 19.339  | ug/l | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112119\  
 Data File : VD064324.D  
 Acq On : 21 Nov 2019 15:01  
 Operator : VA/SY  
 Sample : VD1121SBS01  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1121SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 11/23/2019 6:11:36 AM

Quant Time: Nov 22 01:18:27 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110819S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 12 02:43:24 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.36  | 83   | 197541   | 19.087  | ug/l   | 95       |
| 40) Benzene                    | 8.35  | 78   | 441792   | 19.764  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.53  | 41   | 43414    | 20.033  | ug/l   | 93       |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 130303   | 19.409  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.46  | 43   | 138234   | 19.458  | ug/l   | 100      |
| 44) Trichloroethene            | 9.11  | 130  | 136557   | 20.355  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 107543   | 19.766  | ug/l   | 93       |
| 46) Dibromomethane             | 9.48  | 93   | 58155    | 19.966  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.67  | 83   | 155967   | 19.879  | ug/l   | 94       |
| 48) Methyl methacrylate        | 9.46  | 41   | 64947    | 18.696  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 15179    | 433.912 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 336474   | 98.763  | ug/l   | 100      |
| 52) Toluene                    | 10.40 | 92   | 289534   | 19.698  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.63 | 75   | 147848   | 18.810  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene    | 10.09 | 75   | 176667   | 19.261  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 81201    | 20.550  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.67 | 69   | 106835   | 19.328  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 141556   | 20.542  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 224669   | 100.343 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.99 | 43   | 226177   | 93.315  | ug/l   | 98       |
| 60) Dibromochloromethane       | 11.14 | 129  | 109052   | 19.779  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 81024    | 20.473  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.88 | 164  | 116028   | 20.034  | ug/l   | 95       |
| 65) Chlorobenzene              | 11.67 | 112  | 311431   | 20.338  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.75 | 131  | 119813   | 20.577  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.75 | 91   | 562200   | 20.297  | ug/l   | 95       |
| 68) m/p-Xylenes                | 11.86 | 106  | 422482   | 39.794  | ug/l   | 99       |
| 69) o-Xylene                   | 12.18 | 106  | 197700   | 20.078  | ug/l   | 98       |
| 70) Styrene                    | 12.20 | 104  | 337973   | 19.664  | ug/l   | 98       |
| 71) Bromoform                  | 12.37 | 173  | 63628    | 19.202  | ug/l # | 95       |
| 73) Isopropylbenzene           | 12.48 | 105  | 545309   | 19.823  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.30 | 43   | 123975   | 19.085  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.74 | 83   | 86234    | 20.804  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.79 | 75   | 58081m   | 19.240  | ug/l   |          |
| 77) Bromobenzene               | 12.77 | 156  | 133986   | 20.049  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.83 | 91   | 627134   | 19.954  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 342196   | 19.285  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.97 | 105  | 443582   | 19.624  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.54 | 75   | 27924    | 18.375  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 358226   | 19.356  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 386769   | 19.405  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 448362   | 20.092  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.41 | 105  | 528369   | 19.737  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.53 | 119  | 495062   | 19.452  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.53 | 146  | 247501   | 19.951  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 245038   | 20.238  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.86 | 91   | 451526   | 19.638  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.12 | 117  | 89370    | 19.001  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 213310   | 20.315  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51 | 75   | 14591    | 19.688  | ug/l   | 97       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112119\  
Data File : VD064324.D  
Acq On : 21 Nov 2019 15:01  
Operator : VA/SY  
Sample : VD1121SBSD01  
Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1121SBSD01

Manual Integrations  
APPROVED

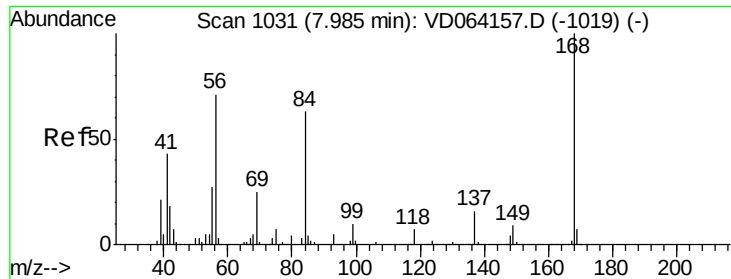
MMDadoda  
11/23/2019 6:11:36 AM

Quant Time: Nov 22 01:18:27 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110819S.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 12 02:43:24 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 165645   | 20.450 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.28 | 225  | 107814   | 20.607 | ug/l  | 99       |
| 95) Naphthalene            | 15.41 | 128  | 276375   | 20.815 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.61 | 180  | 138839   | 20.165 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA\_D

ClientSampleId :

VD1121SBS01

Tot Ion:168 Resp: 617630

Ion Ratio Lower Upper

168 100

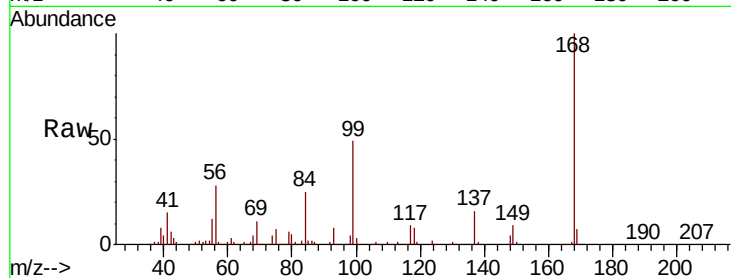
99 49.1 41.6 62.4

Manual Integrations

APPROVED

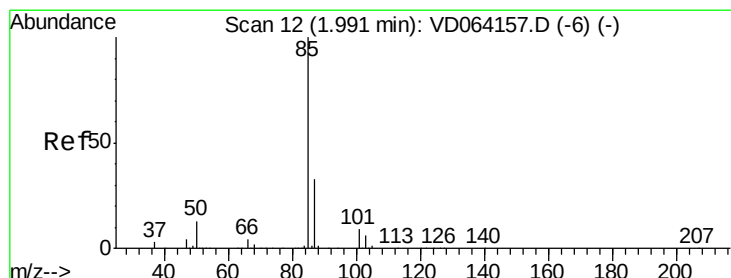
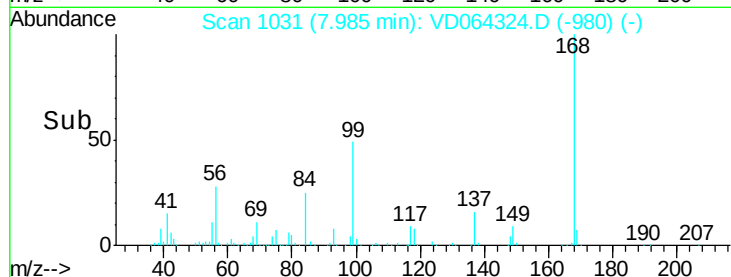
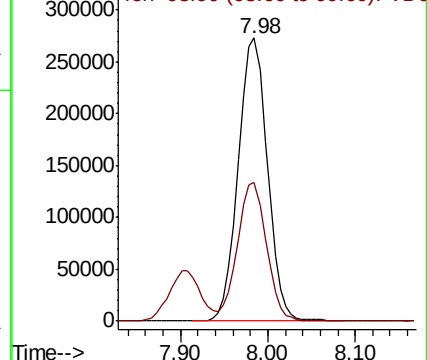
MMDadoda

11/23/2019 6:11:36 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.234 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064324.D

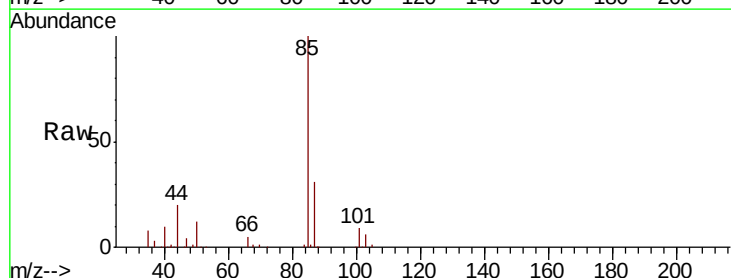
Acq: 21 Nov 2019 15:01

Tgt Ion: 85 Resp: 93402

Ion Ratio Lower Upper

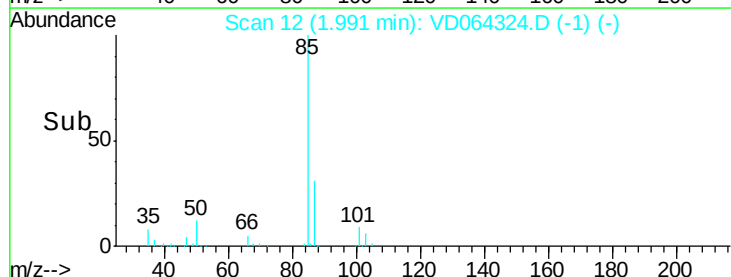
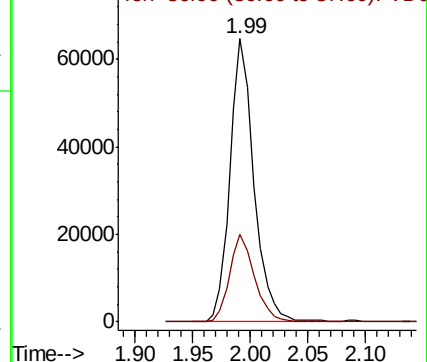
85 100

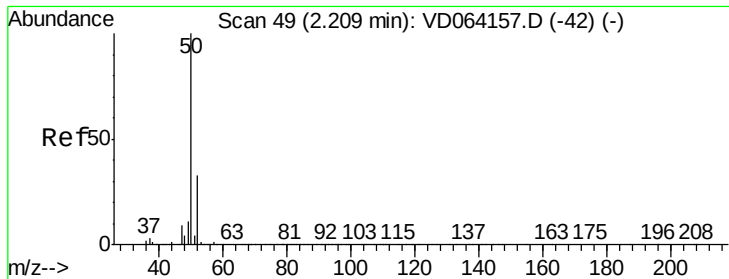
87 31.0 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.317 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA\_D

ClientSampleId :

VD1121SBS01

Tot Ion: 50 Resp: 117124

Ion Ratio Lower Upper

50 100

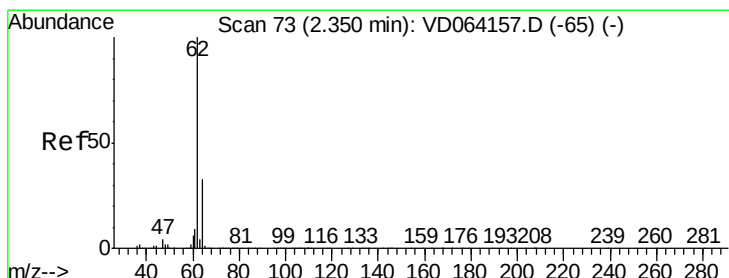
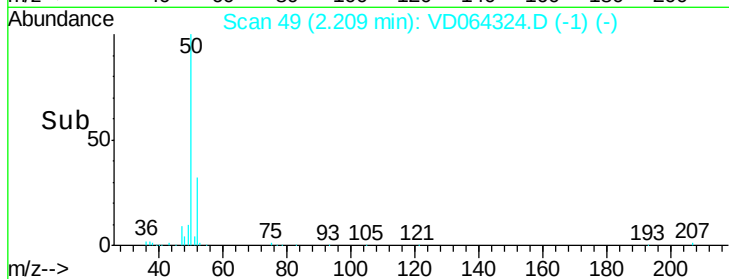
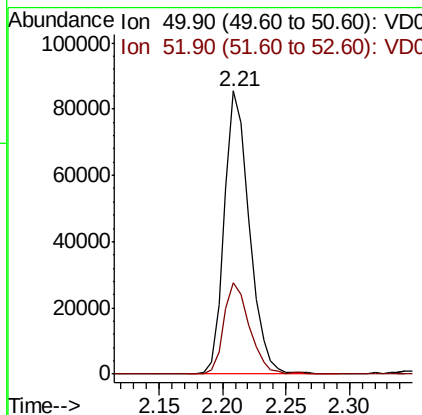
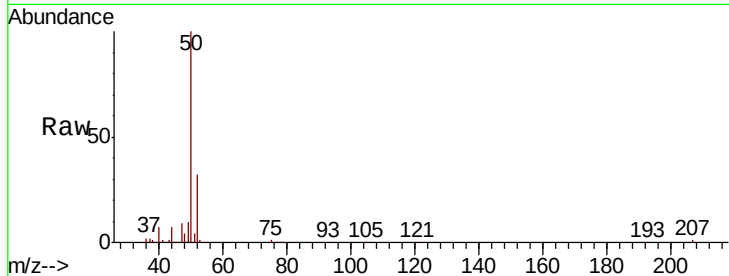
52 32.2 26.2 39.4

Manual Integrations

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11/23/2019 6:11:36 AM



#4

Vinyl Chloride

Concen: 23.012 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064324.D

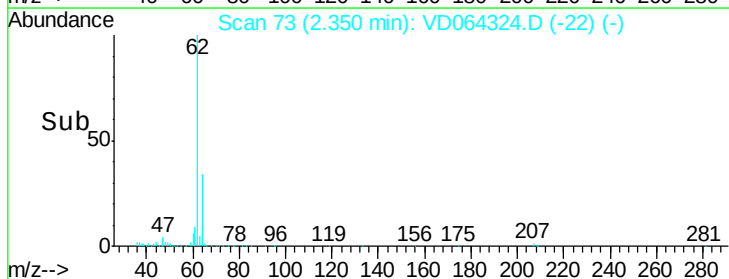
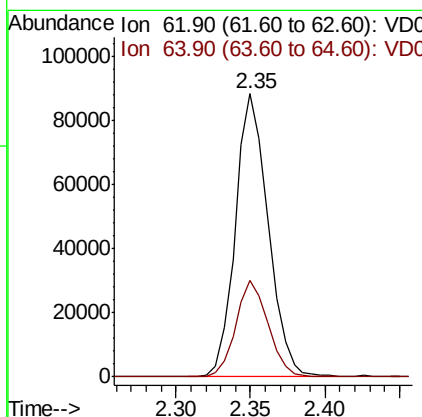
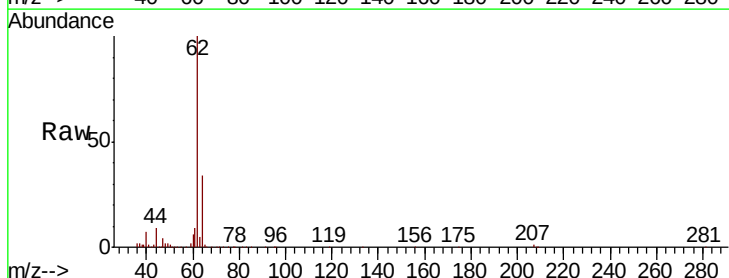
Acq: 21 Nov 2019 15:01

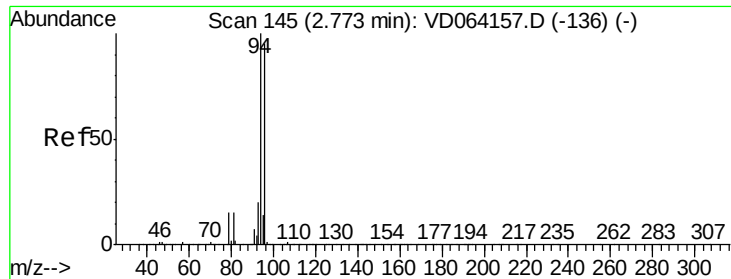
Tgt Ion: 62 Resp: 135211

Ion Ratio Lower Upper

62 100

64 34.1 26.2 39.2





#5

Bromomethane

Concen: 24.926 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA\_D

ClientSampleId :

VD1121SBSD01

Tot Ion: 94 Resp: 92482

Ion Ratio Lower Upper

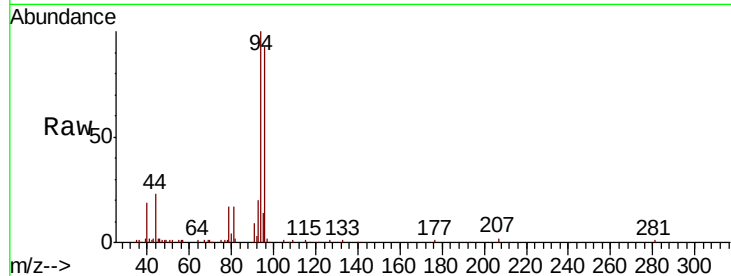
94 100

96 92.8 76.2 114.4

Manual Integrations  
APPROVED

MMDadoda

11/23/2019 6:11:36 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

40000

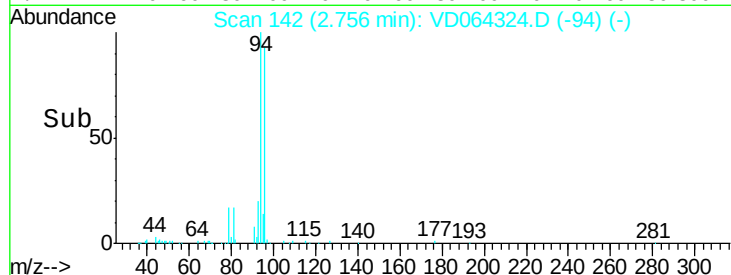
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20000

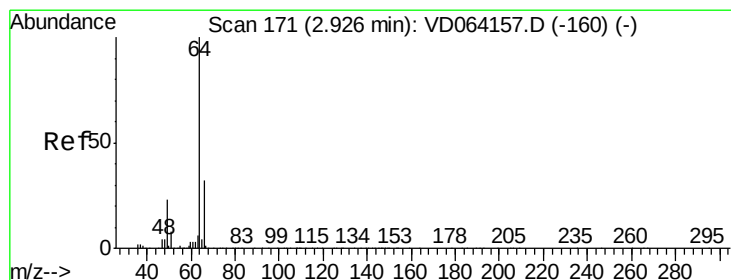
10000

0

Time-->



Time-->



#6

Chloroethane

Concen: 25.005 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064324.D

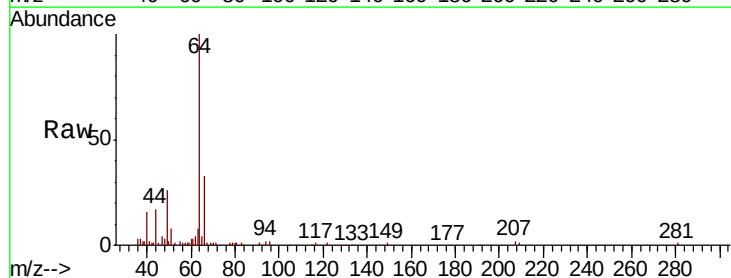
Acq: 21 Nov 2019 15:01

Tgt Ion: 64 Resp: 93880

Ion Ratio Lower Upper

64 100

66 32.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

50000

40000

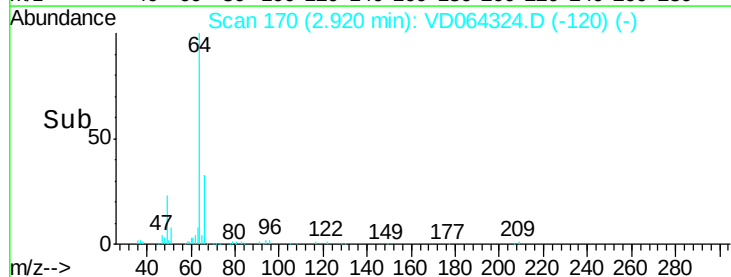
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20000

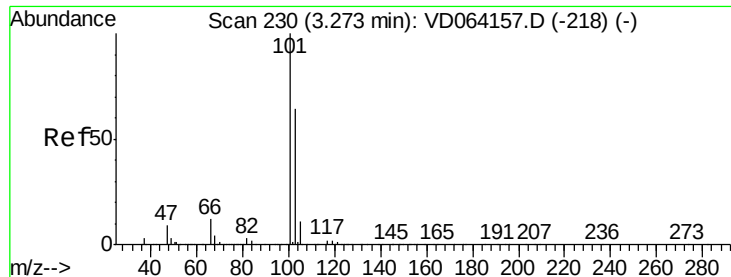
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0

Time-->







#7

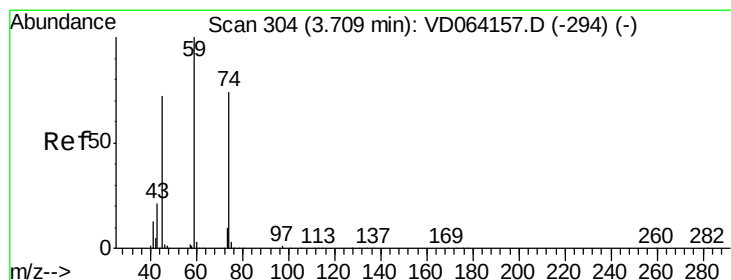
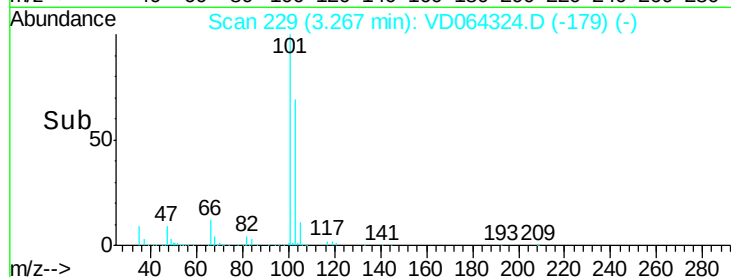
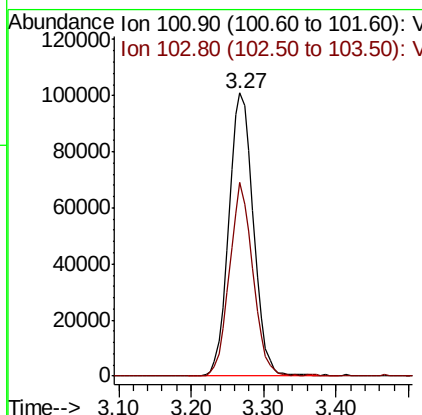
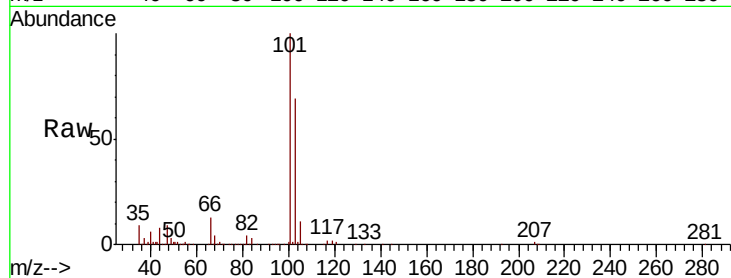
Trichlorofluoromethane  
Concen: 25.002 ug/l  
RT: 3.27 min Scan# 229  
Delta R.T. -0.01 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1121SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 238172 |       |       |
| 103     | 68.6  | 50.8   | 76.2  |       |

Manual Integrations  
APPROVED

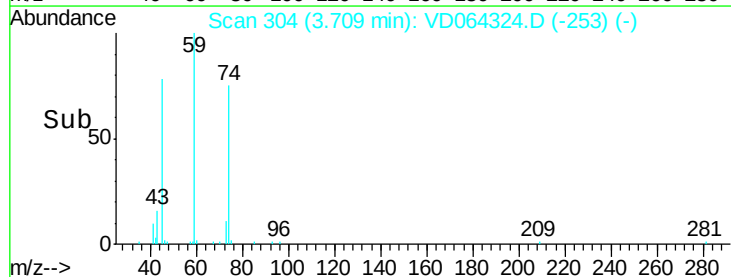
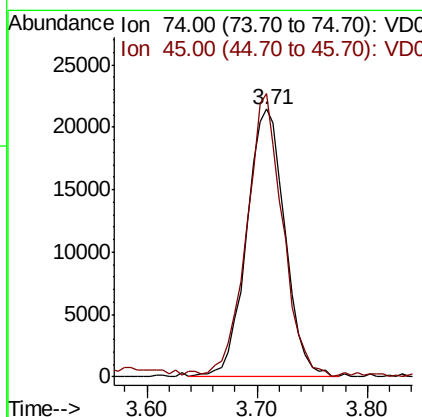
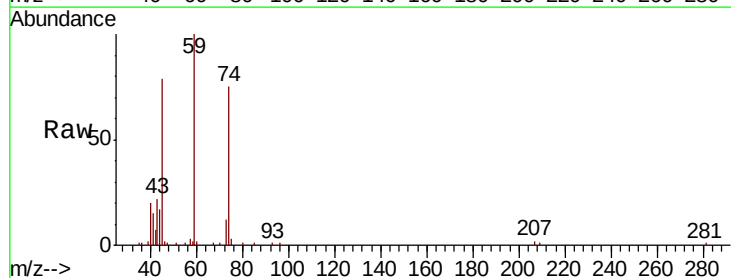
MMDadoda  
11/23/2019 6:11:36 AM



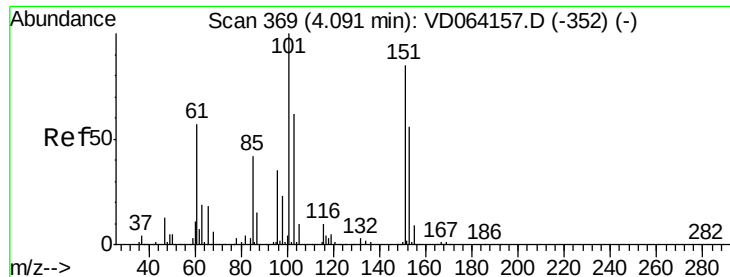
#8

Diethyl Ether  
Concen: 19.930 ug/l  
RT: 3.71 min Scan# 304  
Delta R.T. -0.00 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 74      | 100   | 52204 |       |       |
| 45      | 100.5 | 47.9  | 143.7 |       |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.425 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA\_D

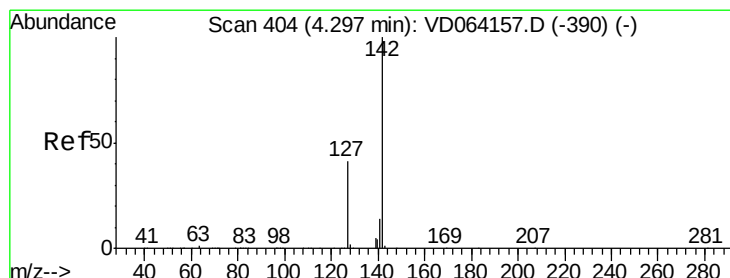
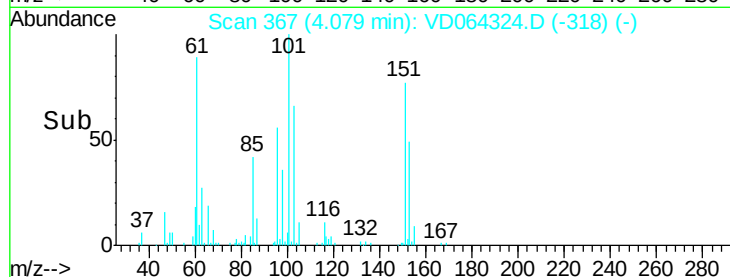
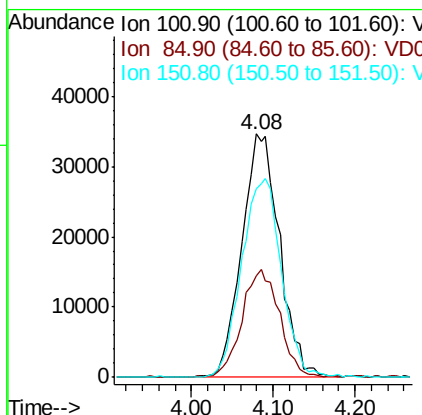
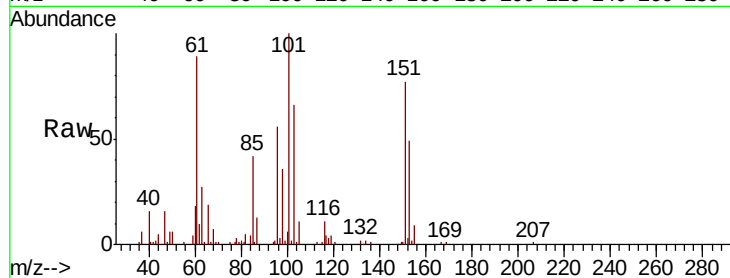
ClientSampleId :

VD1121SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 111210 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 44.1  | 34.4  | 51.6   |
| 151       | 85.9  | 68.1  | 102.1  |

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#10

Methyl Iodide

Concen: 19.007 ug/l

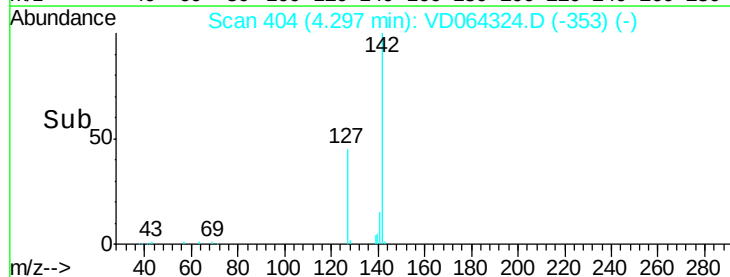
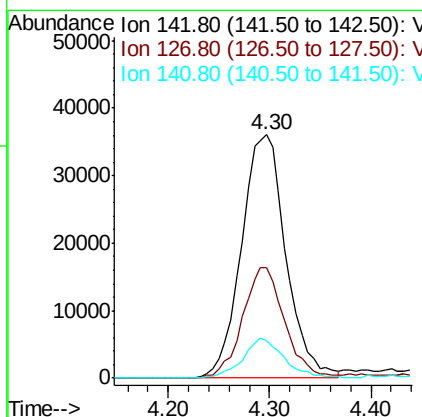
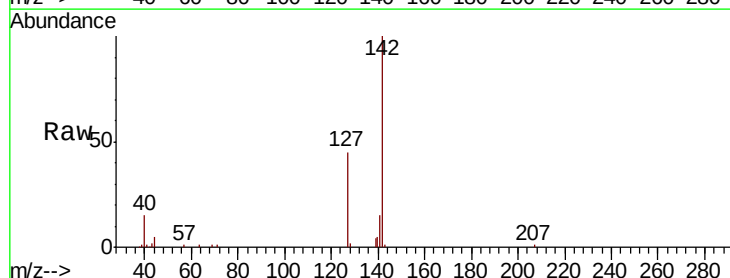
RT: 4.30 min Scan# 404

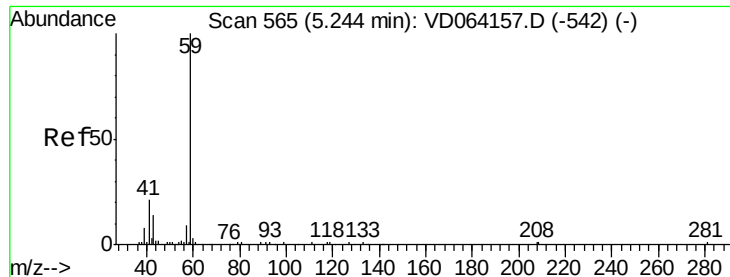
Delta R.T. 0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 109978 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 43.1  | 34.4  | 51.6   |
| 141       | 15.2  | 11.2  | 16.8   |





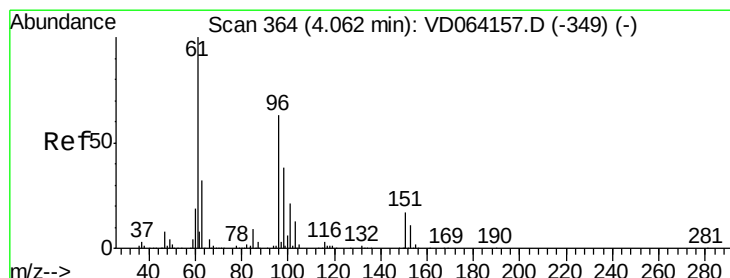
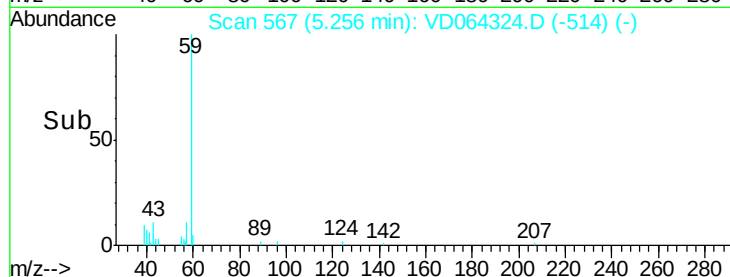
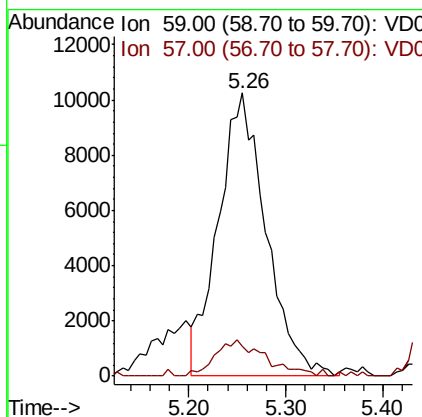
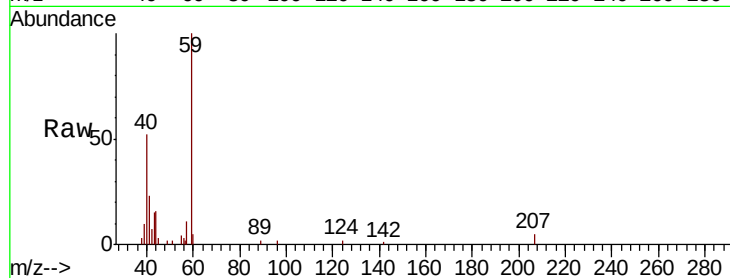
#11  
Tert butyl alcohol  
Concen: 98.385 ug/l m  
RT: 5.26 min Scan# 567  
Delta R.T. 0.01 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1121SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 13.4  | 9.4   | 14.2  |

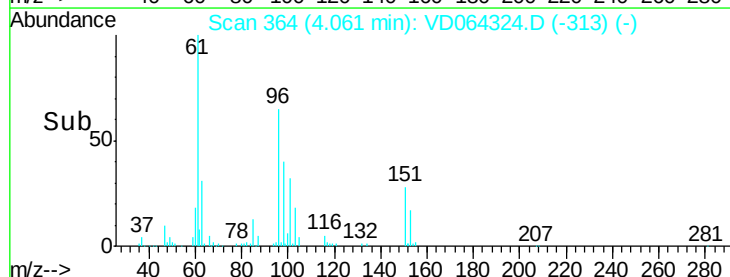
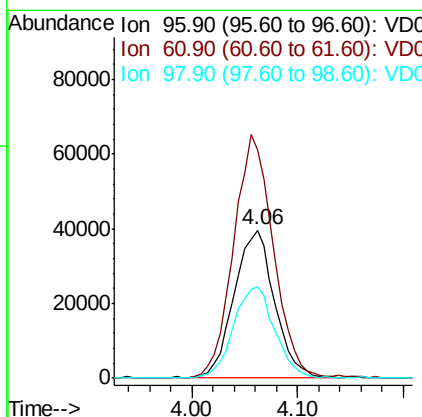
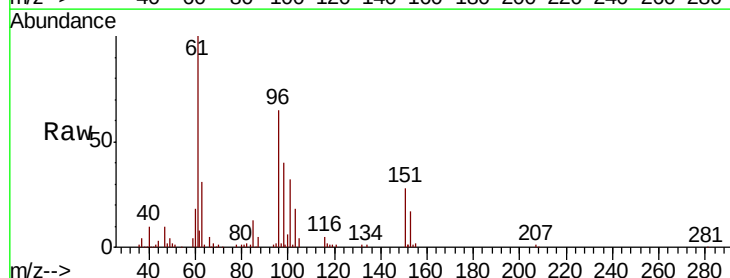
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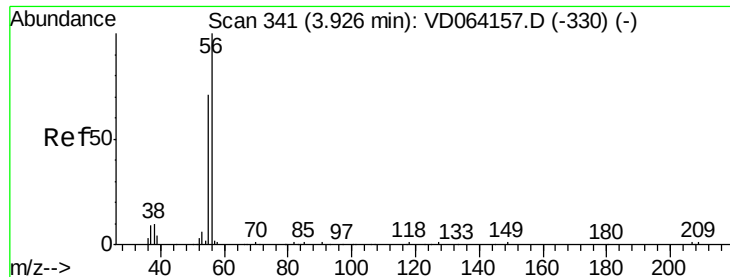
MMDadoda  
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#12  
1,1-Dichloroethene  
Concen: 20.307 ug/l  
RT: 4.06 min Scan# 364  
Delta R.T. -0.00 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 154.5 | 127.4 | 191.2 |
| 98      | 61.5  | 48.1  | 72.1  |





#13

Acrolein

Concen: 71.939 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA\_D

ClientSampleId :

VD1121SBS01

Tot Ion: 56 Resp: 21592

Ion Ratio Lower Upper

56 100

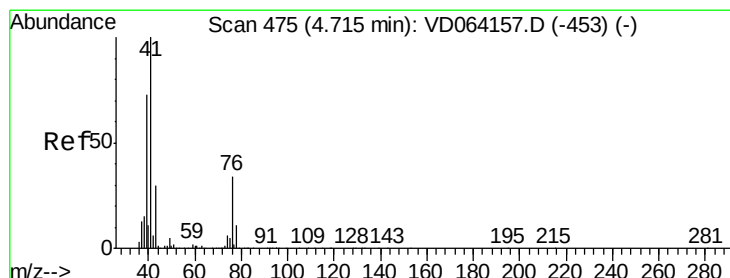
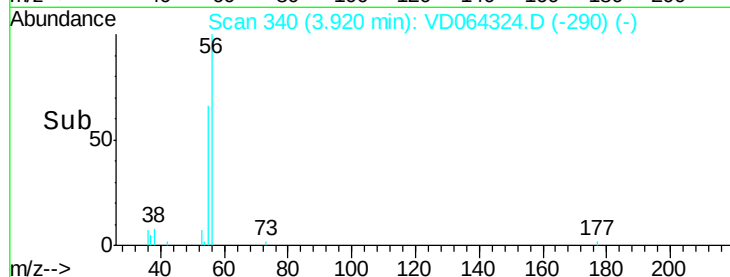
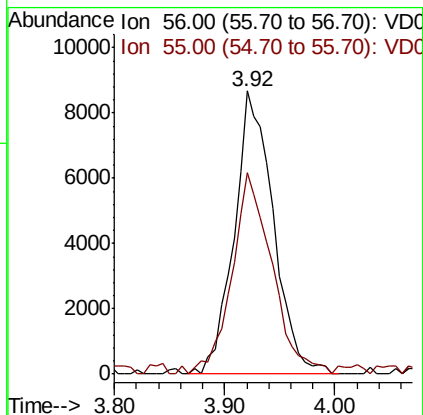
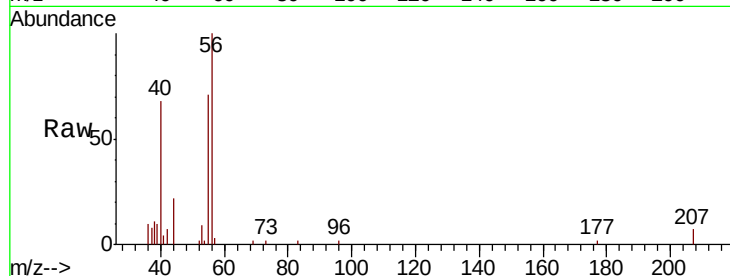
55 73.1 56.1 84.1

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#14

Allyl chloride

Concen: 18.566 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

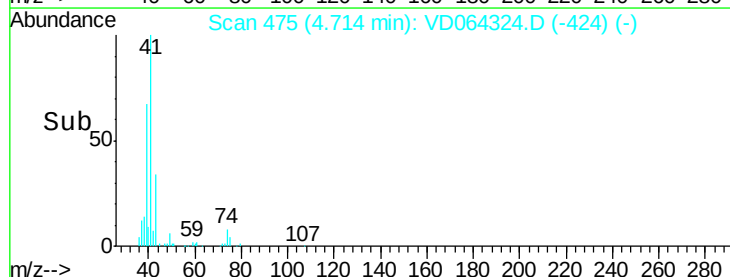
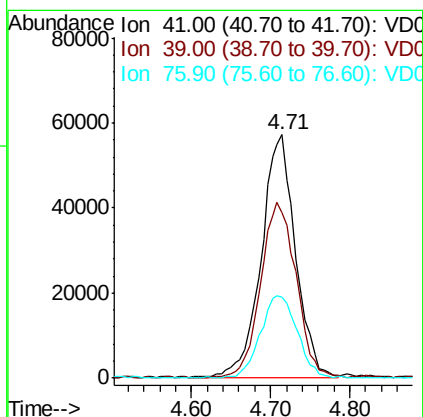
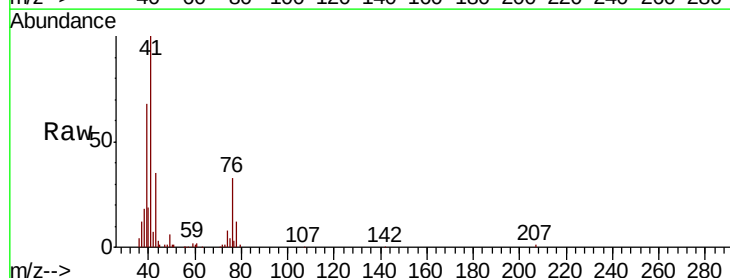
Tgt Ion: 41 Resp: 170361

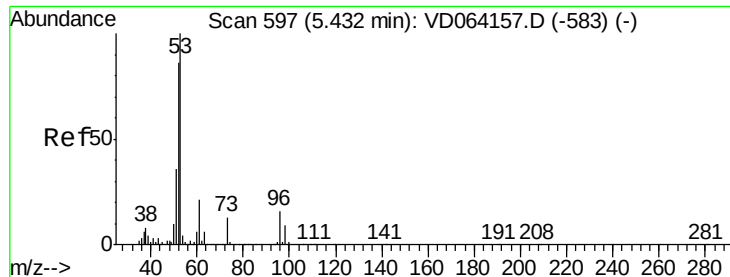
Ion Ratio Lower Upper

41 100

39 76.5 57.5 86.3

76 36.7 26.8 40.2





#15

Acrylonitrile

Concen: 107.741 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA\_D

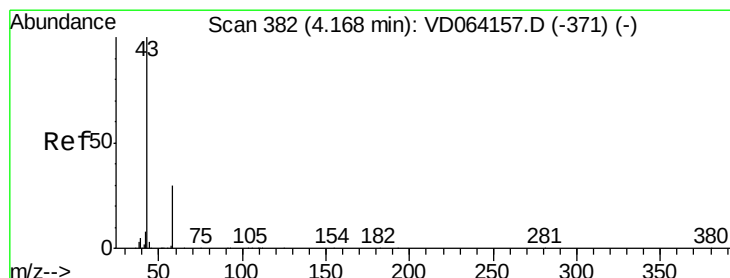
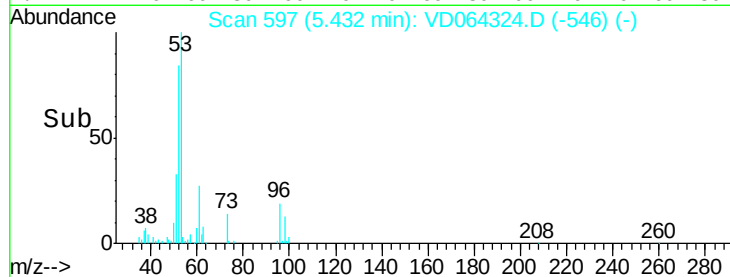
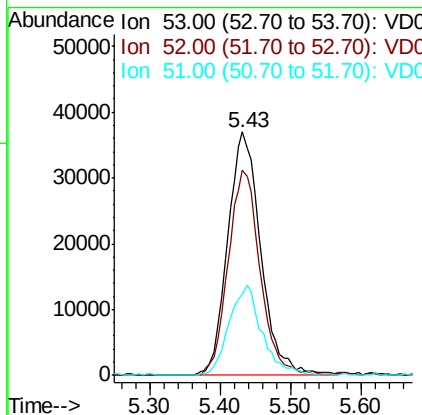
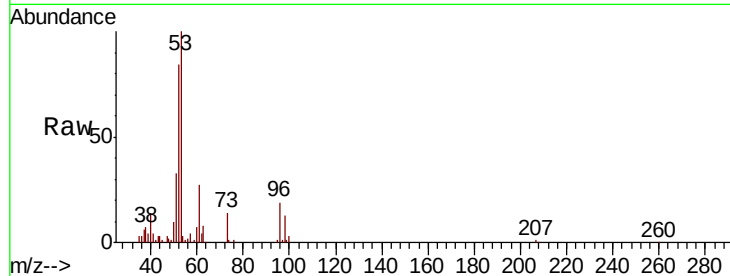
ClientSampleId :

VD1121SBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 120308 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 81.5  | 66.7  | 100.1  |
| 51       | 36.9  | 30.6  | 46.0   |

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#16

Acetone

Concen: 76.902 ug/l

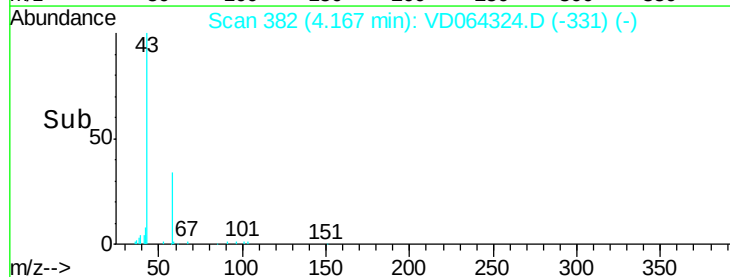
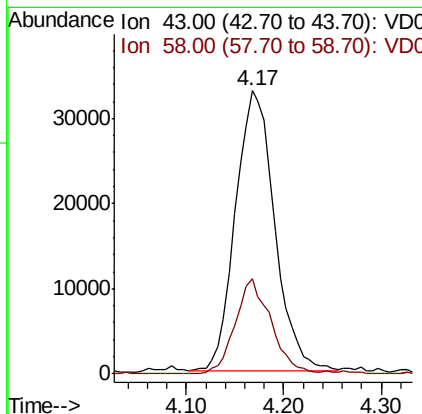
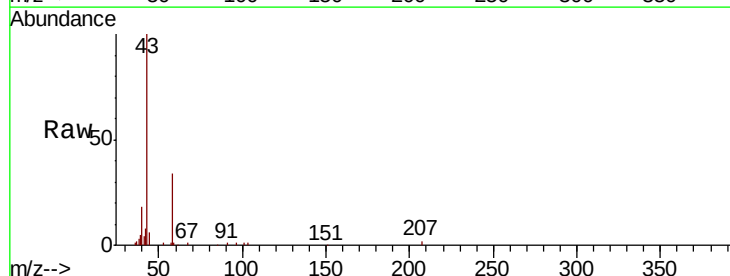
RT: 4.17 min Scan# 382

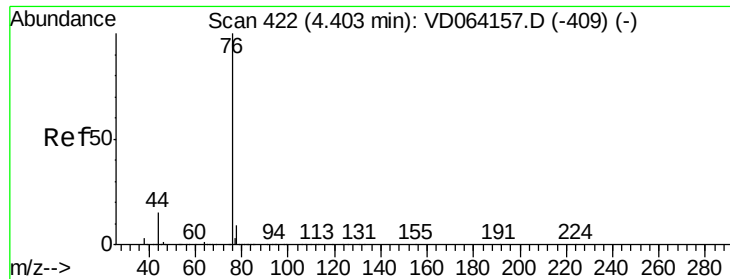
Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 92542 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 33.9  | 24.1  | 36.1  |





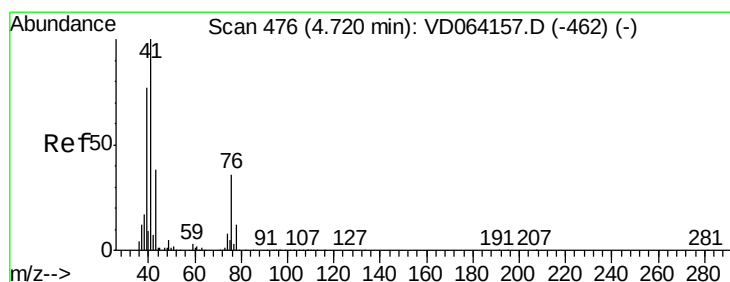
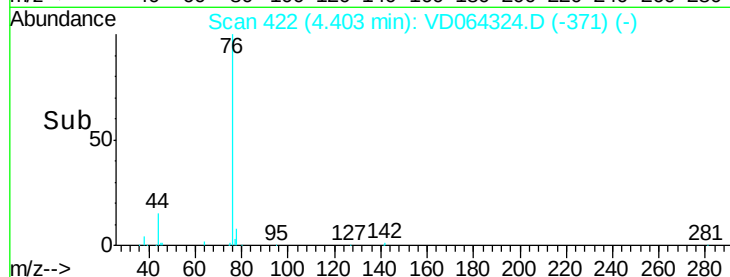
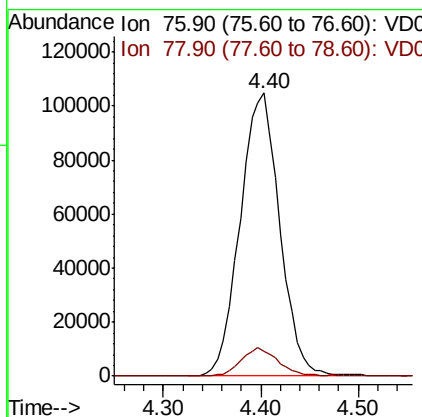
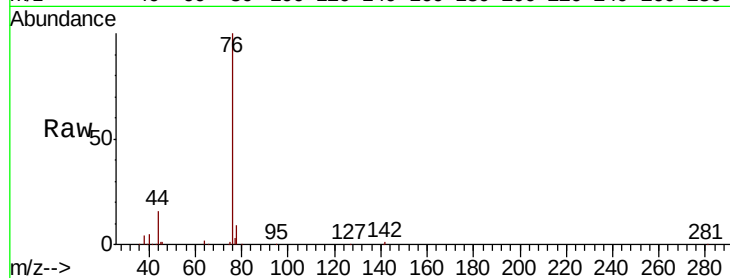
#17  
Carbon Disulfide  
Concen: 18.303 ug/l  
RT: 4.40 min Scan# 422  
Delta R.T. -0.00 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1121SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.6   | 7.2   | 10.8  |

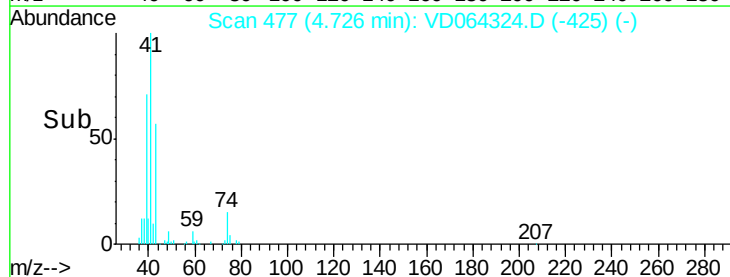
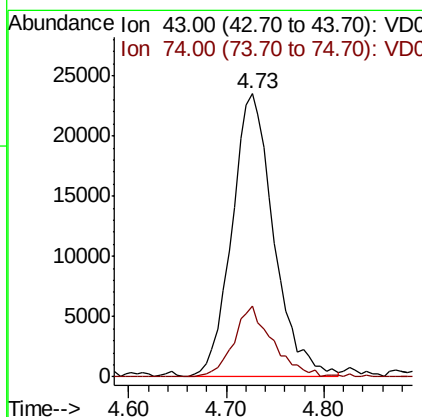
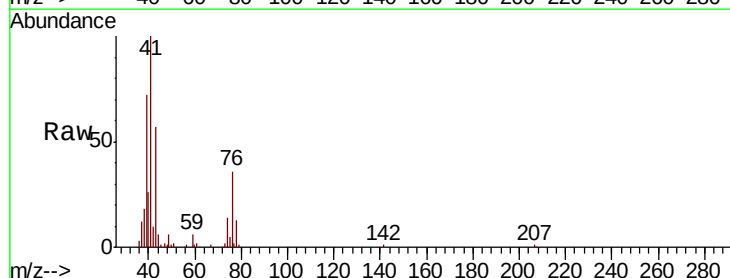
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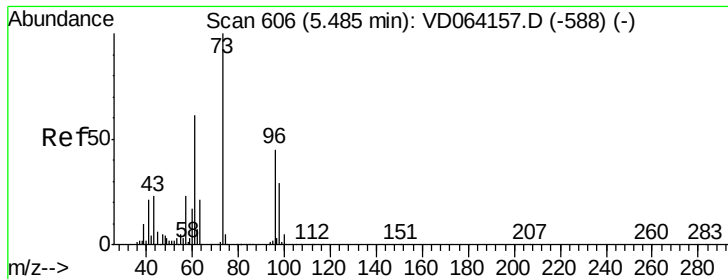
MMDadoda  
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#18  
Methyl Acetate  
Concen: 20.938 ug/l  
RT: 4.73 min Scan# 477  
Delta R.T. 0.01 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 23.1  | 18.4  | 27.6  |





#19

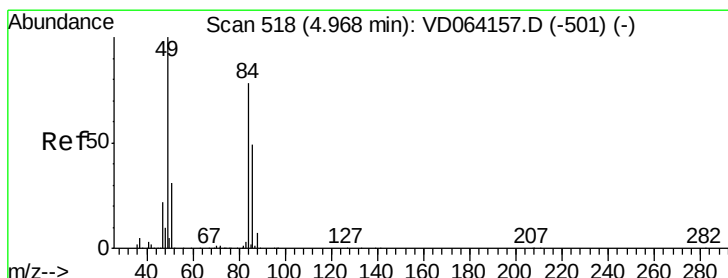
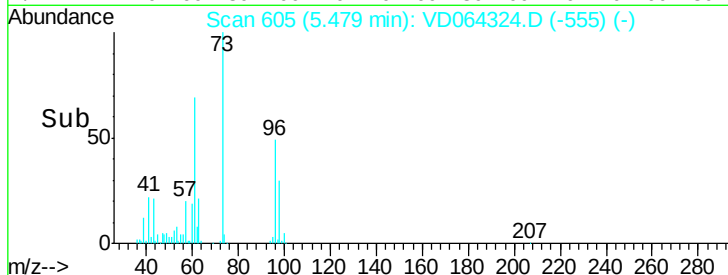
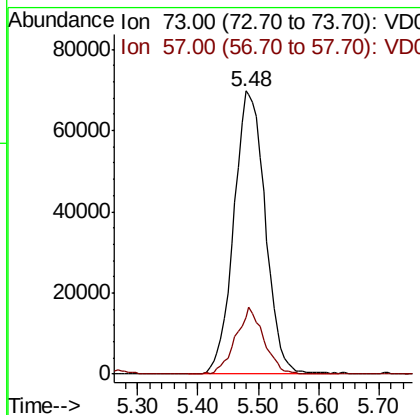
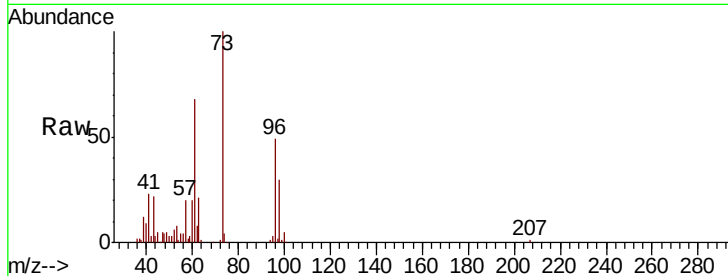
Methyl tert-butyl Ether  
 Concen: 20.307 ug/l  
 RT: 5.48 min Scan# 605  
 Delta R.T. -0.01 min  
 Lab File: VD064324.D  
 Acq: 21 Nov 2019 15:01

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD1121SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 20.1  | 18.4  | 27.6  |

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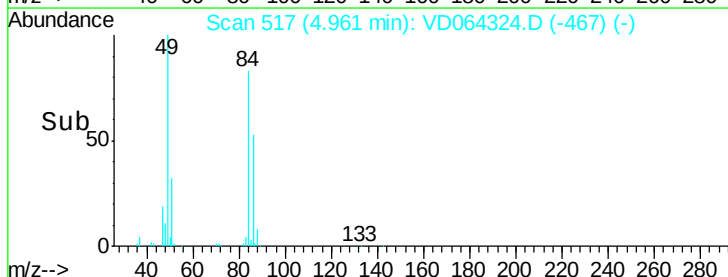
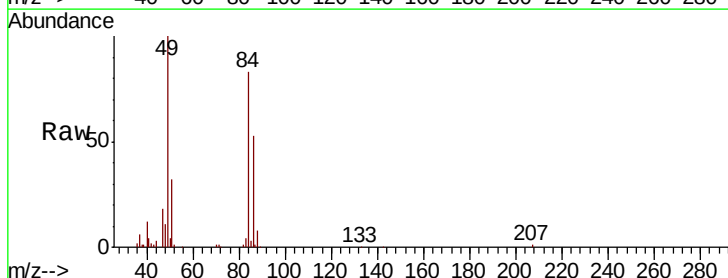
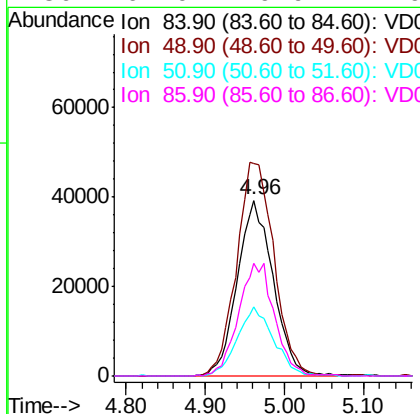
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 11/23/2019 6:11:36 AM

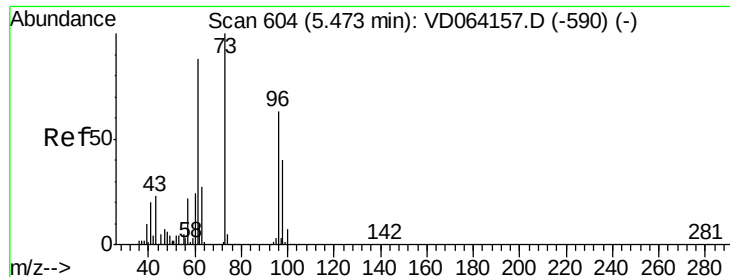


#20

Methylene Chloride  
 Concen: 20.324 ug/l  
 RT: 4.96 min Scan# 517  
 Delta R.T. -0.01 min  
 Lab File: VD064324.D  
 Acq: 21 Nov 2019 15:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 121.1 | 102.1 | 153.1 |
| 51      | 39.1  | 32.2  | 48.2  |
| 86      | 64.0  | 49.9  | 74.9  |





#21

trans-1,2-Dichloroethene

Concen: 19.961 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA\_D

ClientSampleId :

VD1121SBS01

Tot Ion: 96 Resp: 117366

Ion Ratio Lower Upper

96 100

61 134.3 111.8 167.6

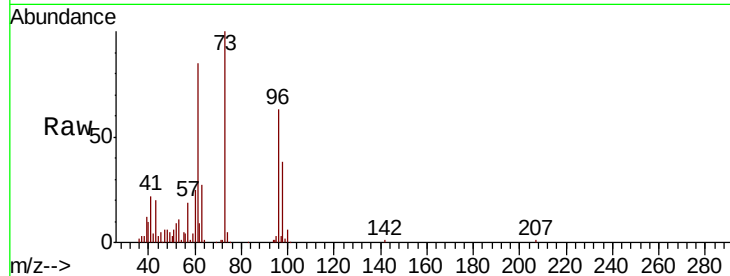
98 60.2 50.3 75.5

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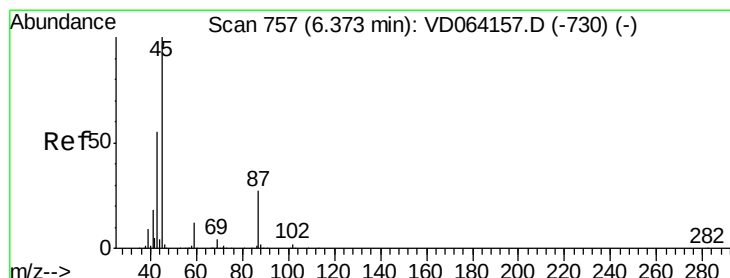
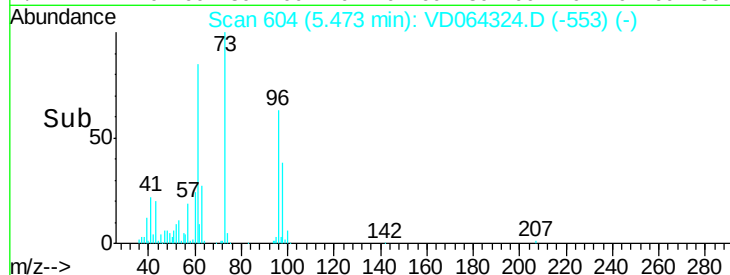
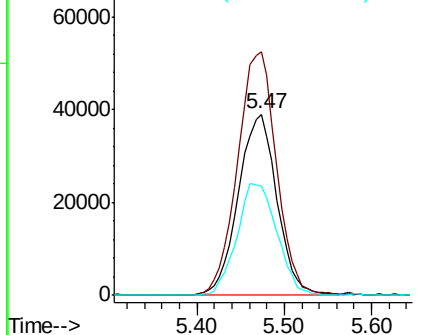
11/23/2019 6:11:36 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 19.497 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Tgt Ion: 45 Resp: 331941

Ion Ratio Lower Upper

45 100

43 51.5 44.4 66.6

87 28.1 21.9 32.9

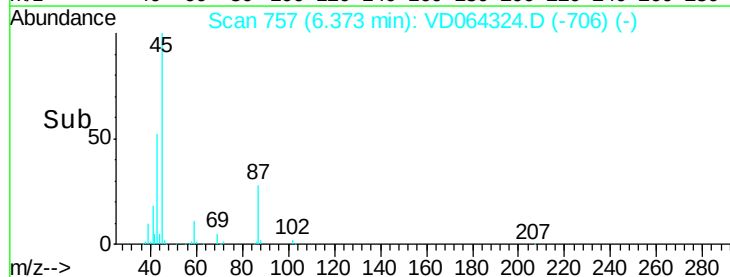
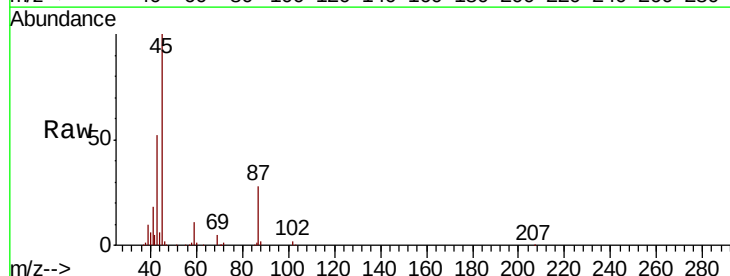
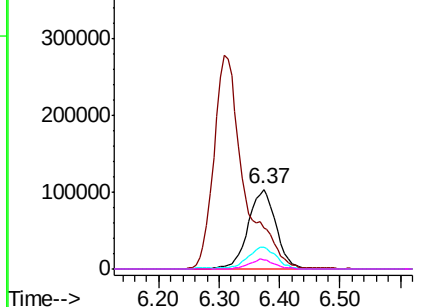
59 10.8 9.4 14.2

Abundance Ion 45.00 (44.70 to 45.70): VDC

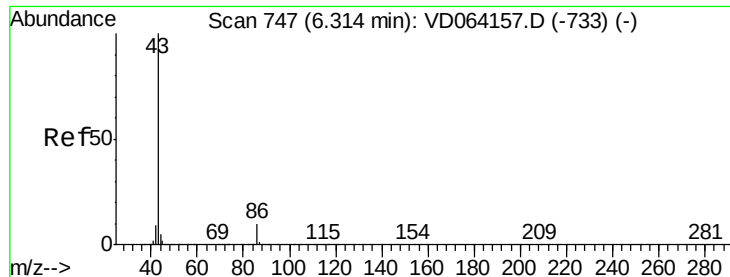
Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC







#23

Vinyl Acetate

Concen: 100.456 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA\_D

ClientSampleId :

VD1121SBS01

Tot Ion: 43 Resp: 953372

Ion Ratio Lower Upper

43 100

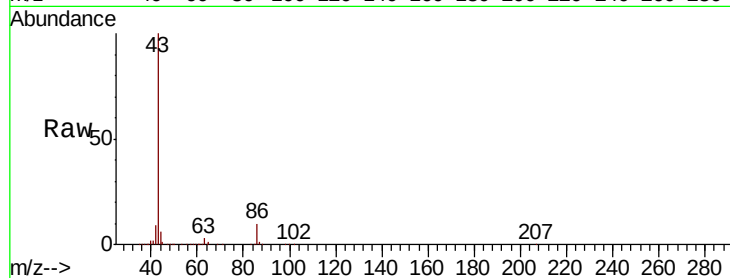
86 10.0 8.2 12.2

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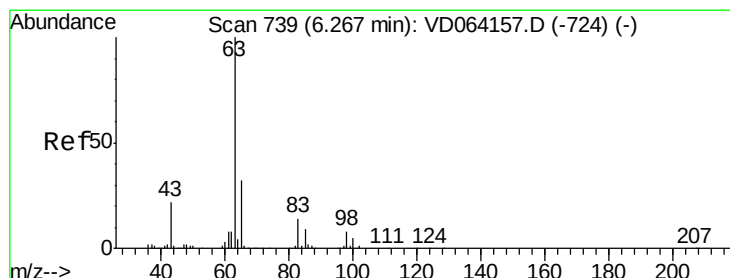
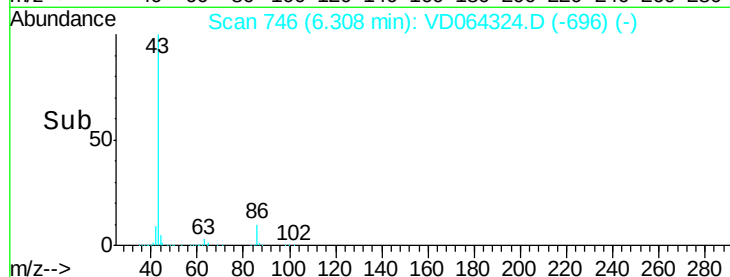
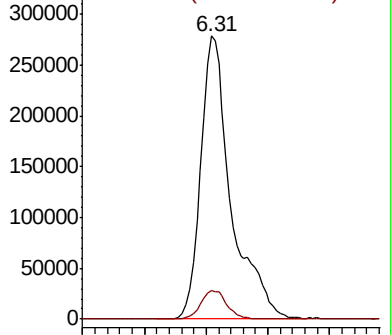
MMDadoda

11/23/2019 6:11:36 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.058 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

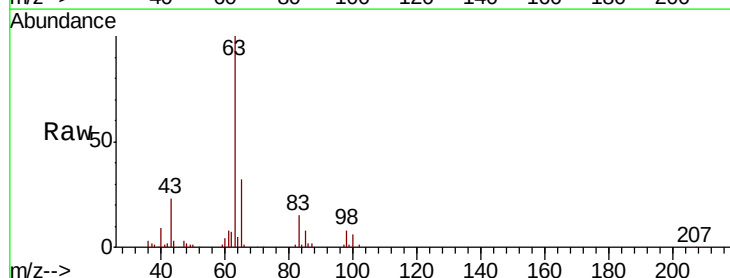
Tgt Ion: 63 Resp: 198278

Ion Ratio Lower Upper

63 100

98 8.3 3.8 11.4

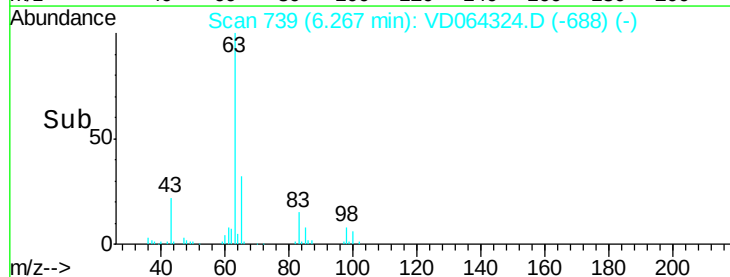
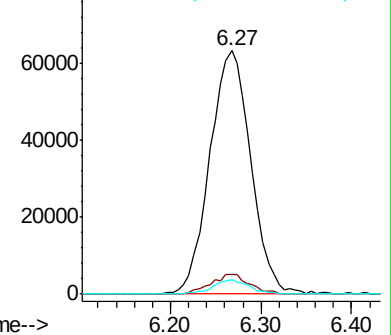
100 5.8 2.4 7.2

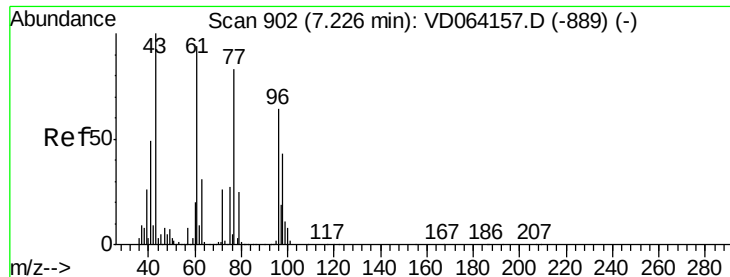


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





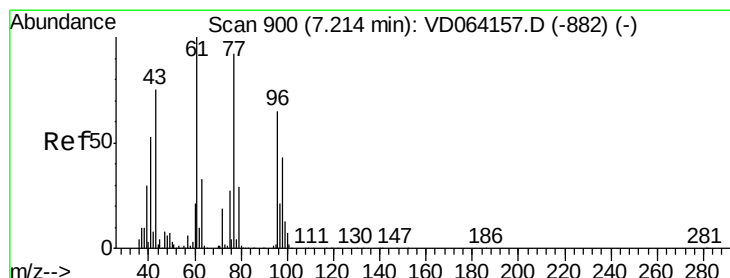
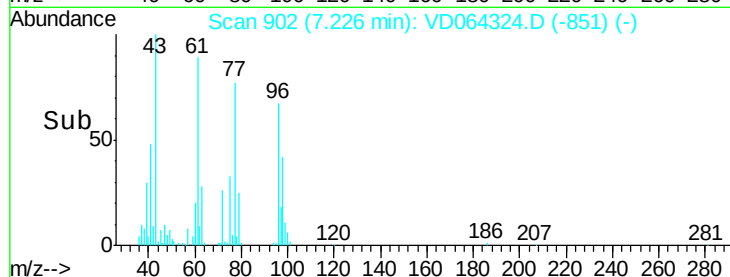
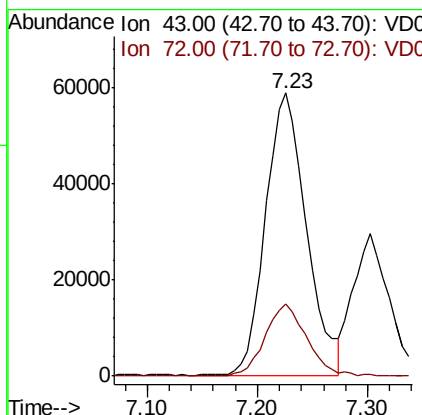
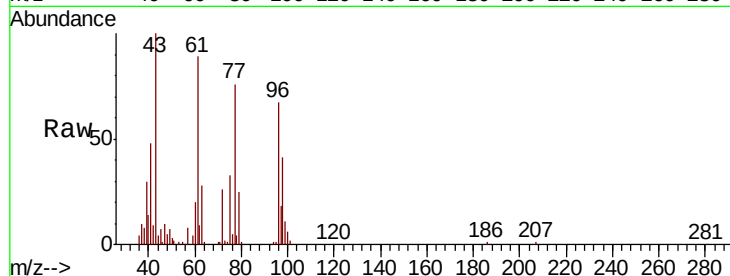
#25  
2-Butanone  
Concen: 97.407 ug/l  
RT: 7.23 min Scan# 902  
Delta R.T. -0.00 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1121SBS01

Tot Ion: 43 Resp: 151438  
Ion Ratio Lower Upper  
43 100  
72 25.7 20.6 30.8

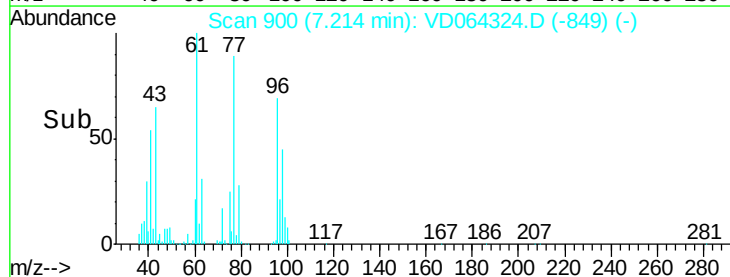
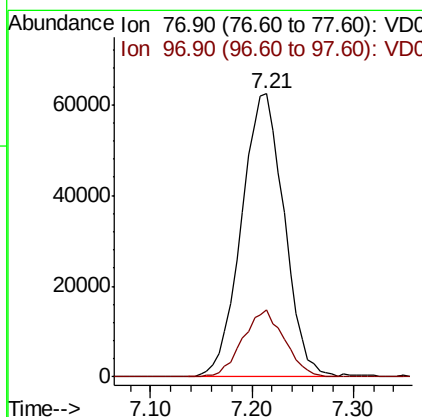
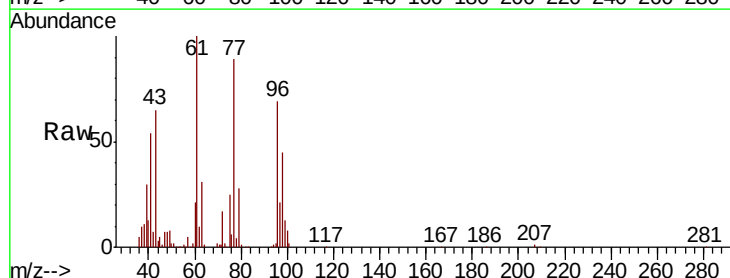
Manual Integrations  
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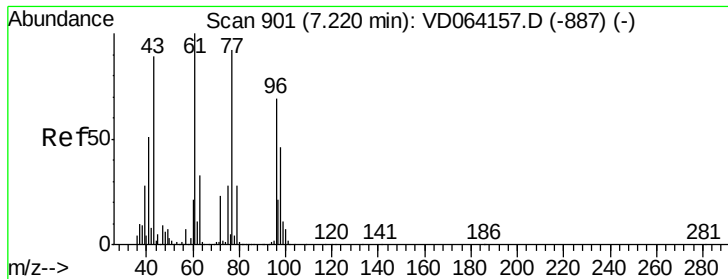
MMDadoda  
11/23/2019 6:11:36 AM



#26  
2,2-Dichloropropane  
Concen: 18.830 ug/l  
RT: 7.21 min Scan# 900  
Delta R.T. -0.00 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

Tgt Ion: 77 Resp: 182544  
Ion Ratio Lower Upper  
77 100  
97 23.2 11.1 33.3





#27

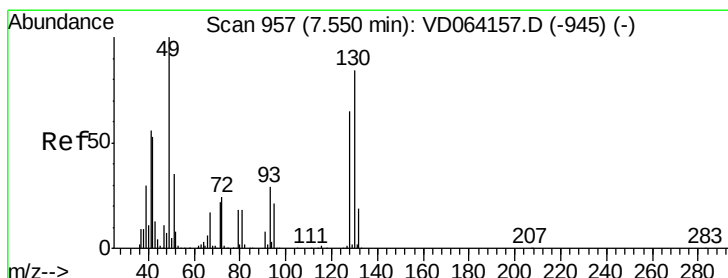
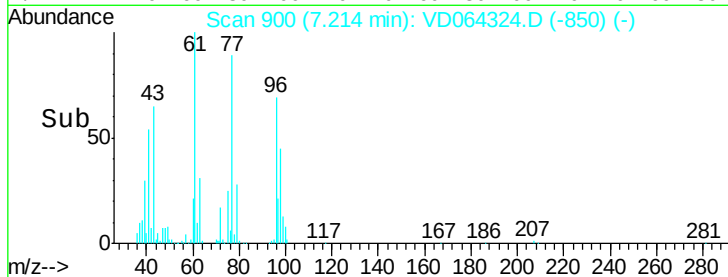
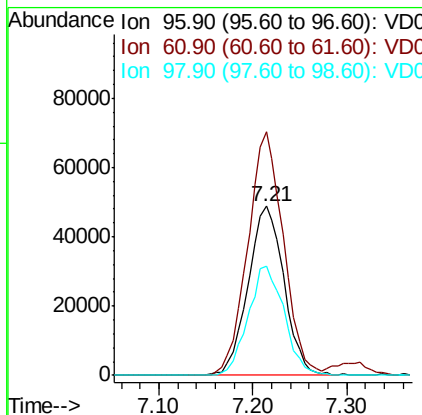
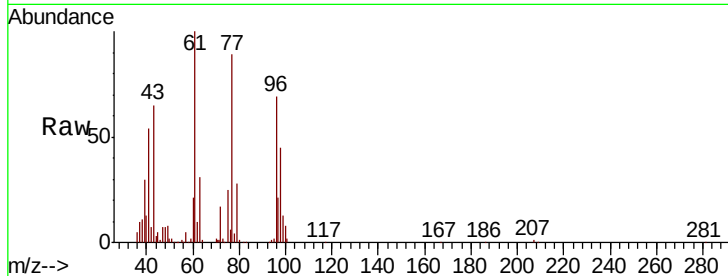
cis-1,2-Dichloroethene  
Concen: 20.481 ug/l  
RT: 7.21 min Scan# 900  
Delta R.T. -0.01 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1121SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 129144 |       |       |
| 61      | 142.6 | 0.0    | 301.4 |       |
| 98      | 64.4  | 0.0    | 133.2 |       |

Manual Integrations  
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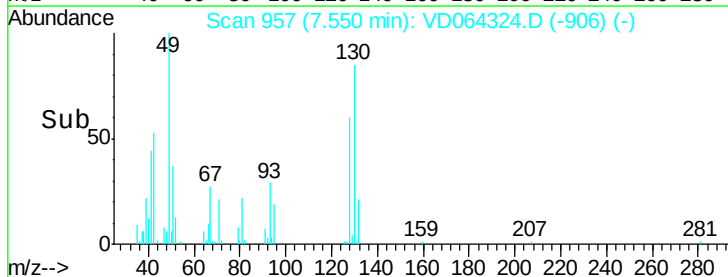
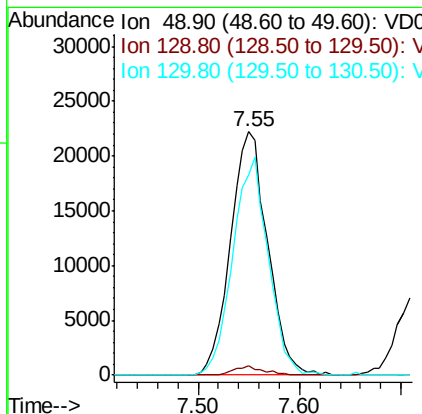
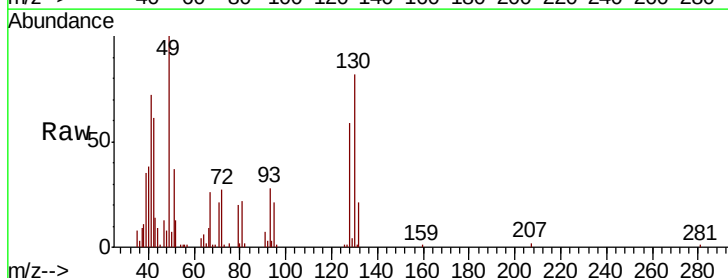
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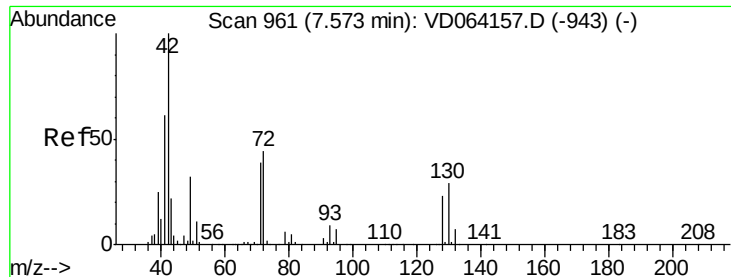


#28

Bromochloromethane  
Concen: 16.391 ug/l  
RT: 7.55 min Scan# 957  
Delta R.T. -0.00 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 56413 |       |       |
| 129     | 2.9   | 0.0   | 4.4   |       |
| 130     | 85.6  | 66.8  | 100.2 |       |





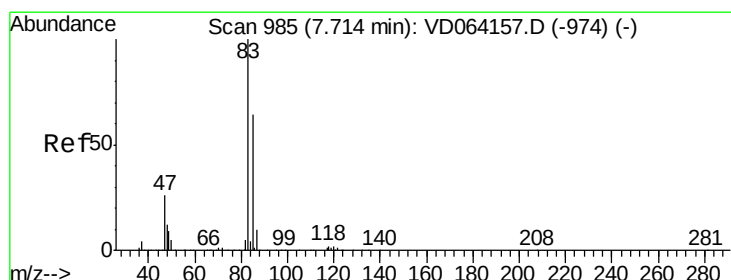
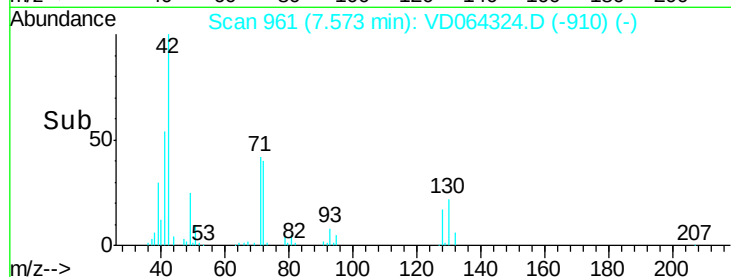
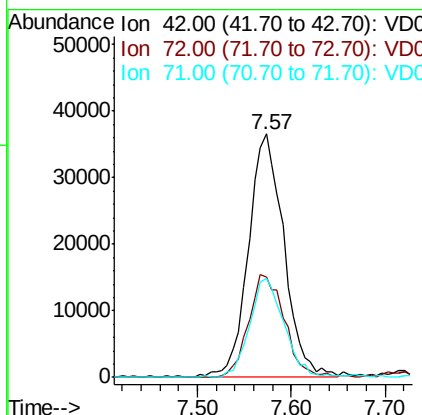
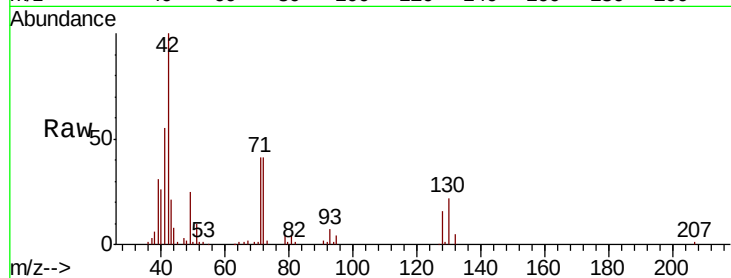
#29  
Tetrahydrofuran  
Concen: 102.331 ug/l  
RT: 7.57 min Scan# 961  
Delta R.T. -0.00 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1121SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 42.6  | 33.4  | 50.2  |
| 71      | 39.1  | 31.0  | 46.4  |

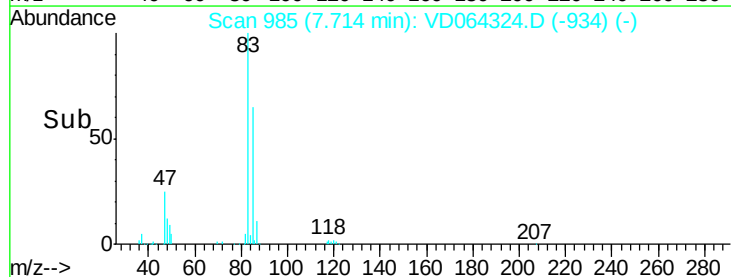
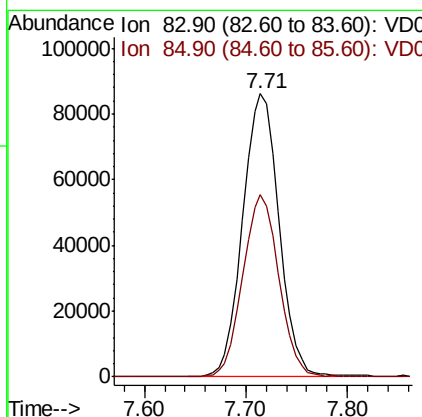
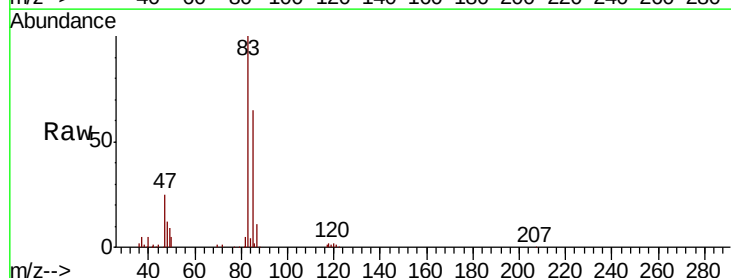
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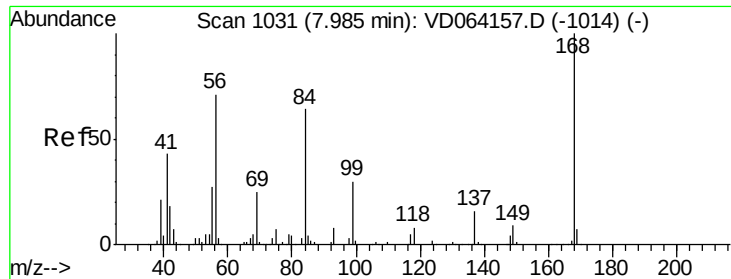
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#30  
Chloroform  
Concen: 21.261 ug/l  
RT: 7.71 min Scan# 985  
Delta R.T. -0.00 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.6  | 51.4  | 77.0  |





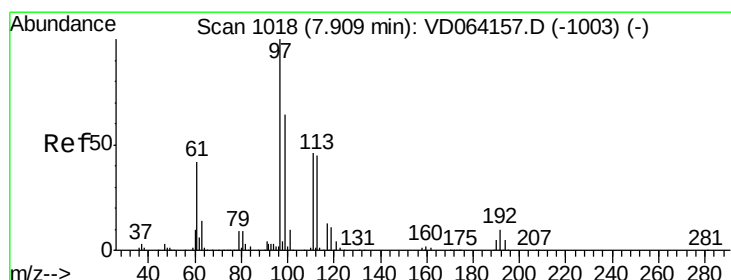
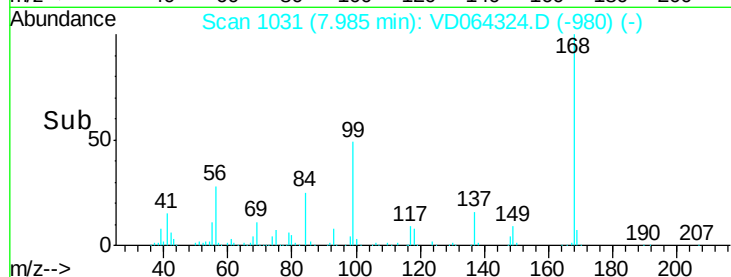
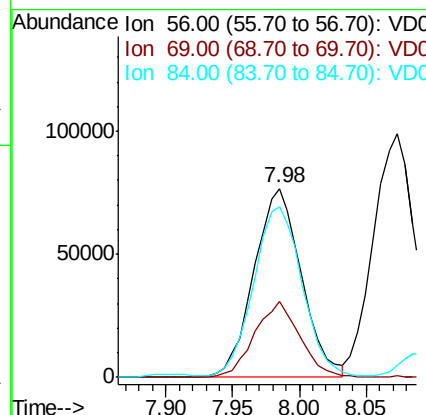
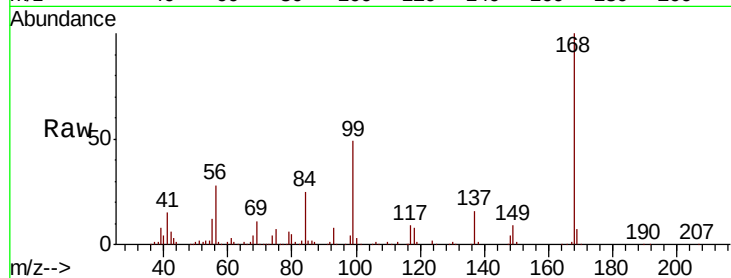
#31  
Cyclohexane  
Concen: 18.978 ug/l  
RT: 7.98 min Scan# 1031  
Delta R.T. -0.00 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1121SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 39.8  | 28.2  | 42.4  |
| 84      | 89.4  | 71.8  | 107.6 |

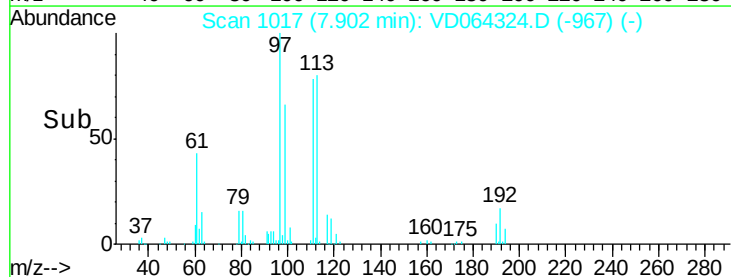
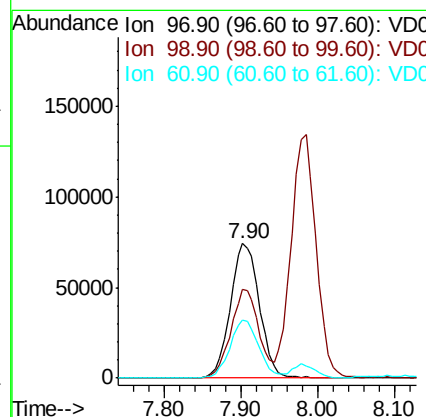
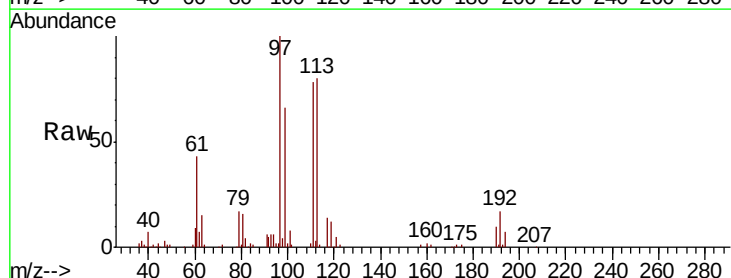
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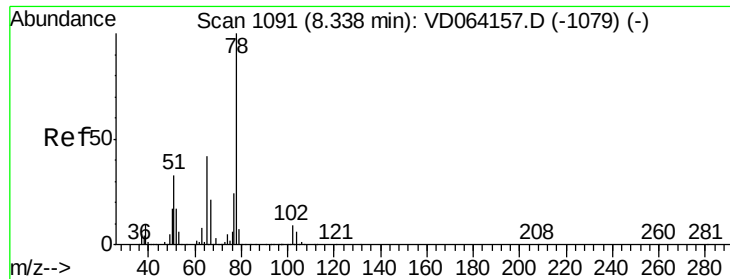
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#32  
1,1,1-Trichloroethane  
Concen: 20.123 ug/l  
RT: 7.90 min Scan# 1017  
Delta R.T. -0.01 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.2  | 51.6  | 77.4  |
| 61      | 42.5  | 34.2  | 51.2  |





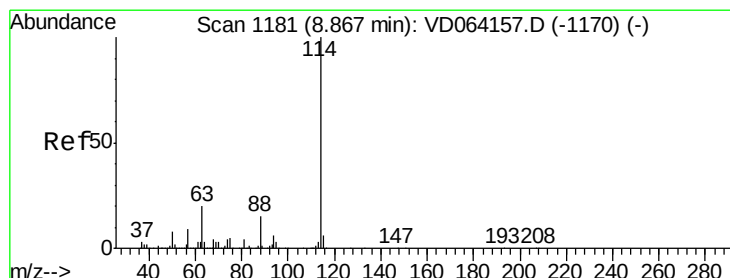
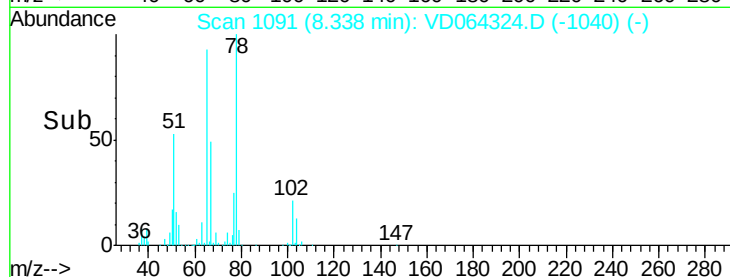
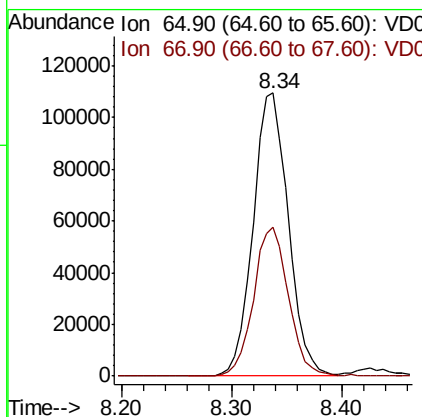
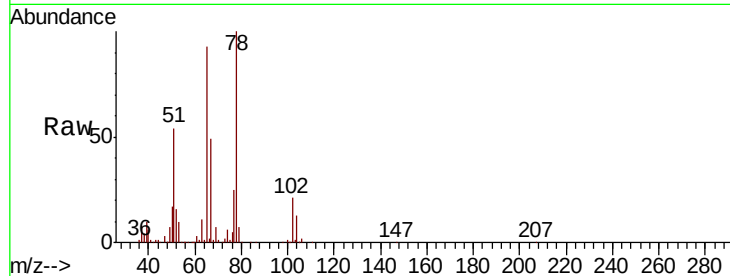
#33  
 1,2-Dichloroethane-d4  
 Concen: 48.299 ug/l  
 RT: 8.34 min Scan# 1091  
 Delta R.T. -0.00 min  
 Lab File: VD064324.D  
 Acq: 21 Nov 2019 15:01

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1121SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 245344 |       |       |
| 67      | 52.1  | 0.0    | 104.4 |       |

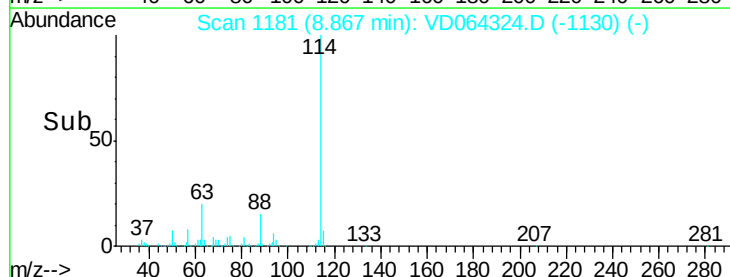
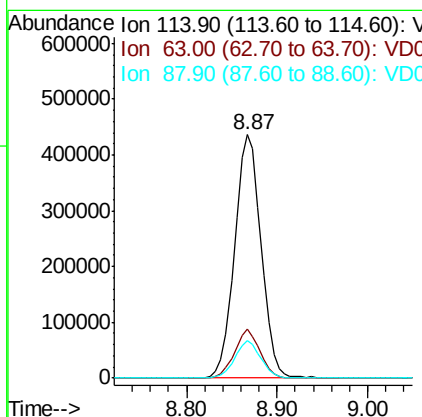
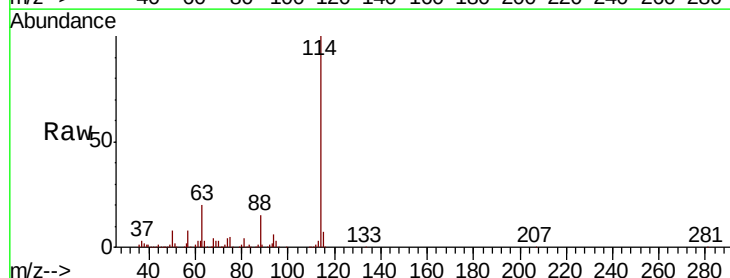
Manual Integrations  
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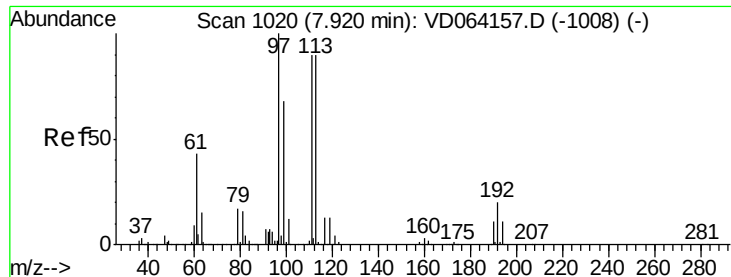
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. -0.00 min  
 Lab File: VD064324.D  
 Acq: 21 Nov 2019 15:01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 886210 |       |       |
| 63      | 19.9  | 0.0    | 40.0  |       |
| 88      | 15.2  | 0.0    | 30.2  |       |





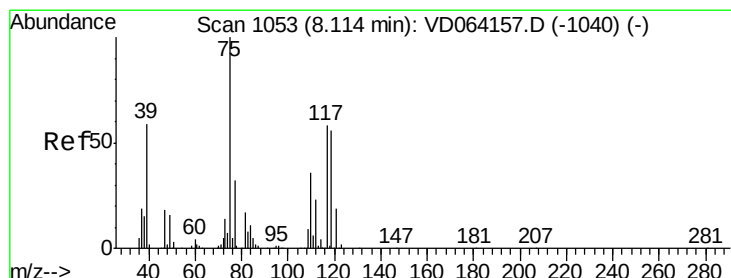
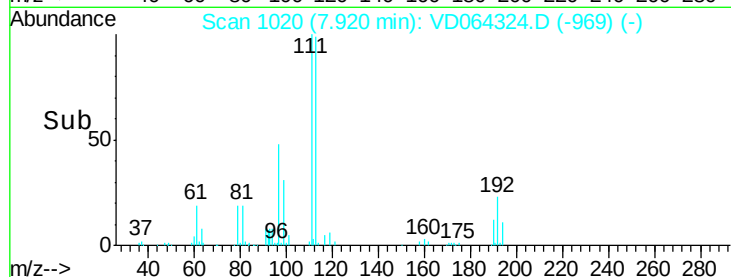
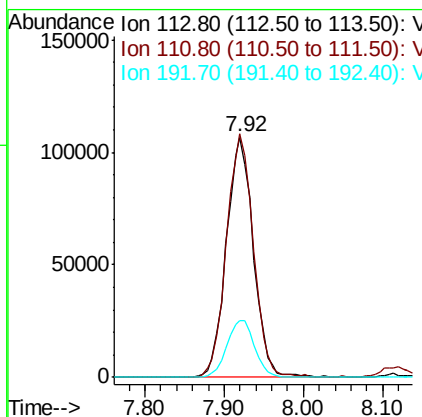
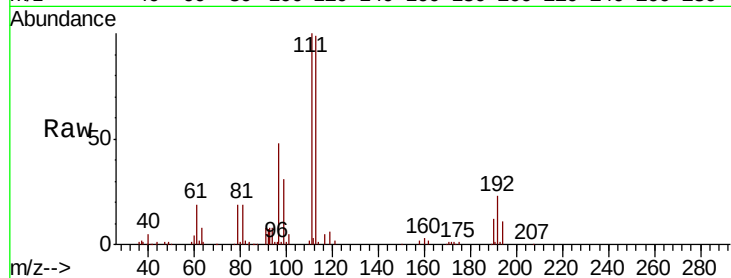
#35  
Dibromofluoromethane  
Concen: 49.430 ug/l  
RT: 7.92 min Scan# 1020  
Delta R.T. -0.00 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1121SBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 251452 |       |       |
| 111     | 101.2 | 81.5   | 122.3 |       |
| 192     | 24.4  | 18.8   | 28.2  |       |

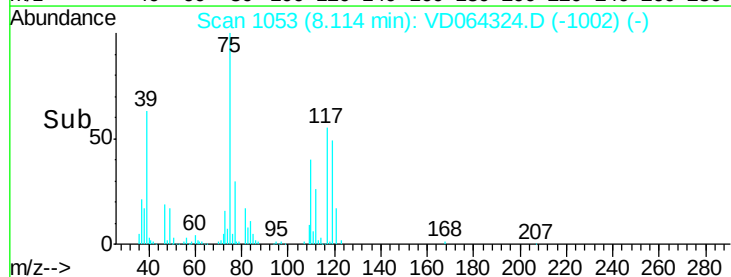
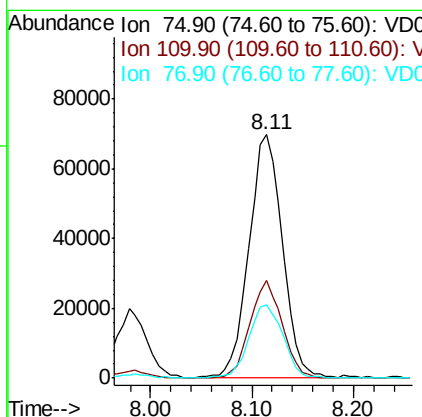
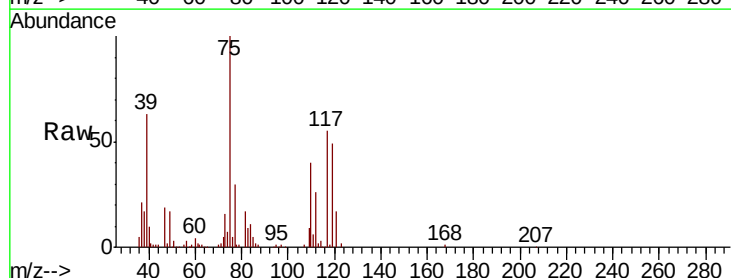
Manual Integrations  
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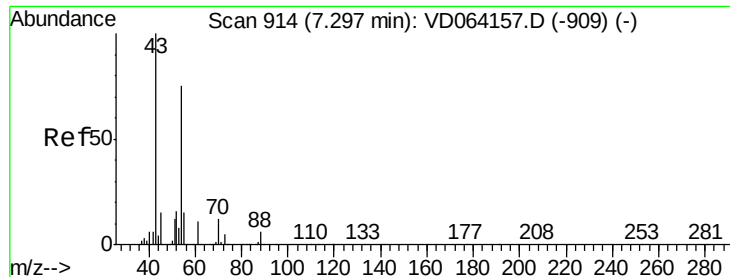
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11/23/2019 6:11:36 AM



#36  
1,1-Dichloropropene  
Concen: 19.498 ug/l  
RT: 8.11 min Scan# 1053  
Delta R.T. -0.00 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 159472 |       |       |
| 110     | 38.7  | 18.3   | 54.9  |       |
| 77      | 31.1  | 25.0   | 37.6  |       |





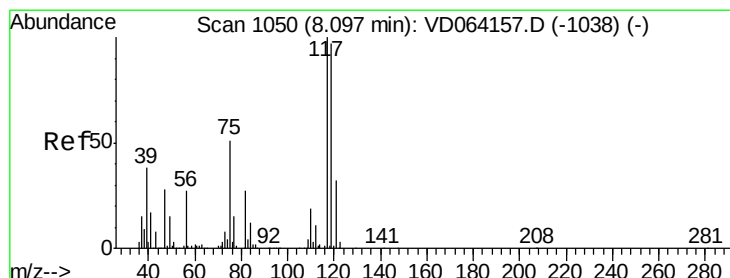
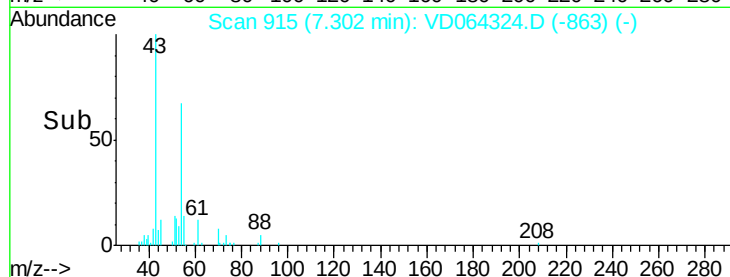
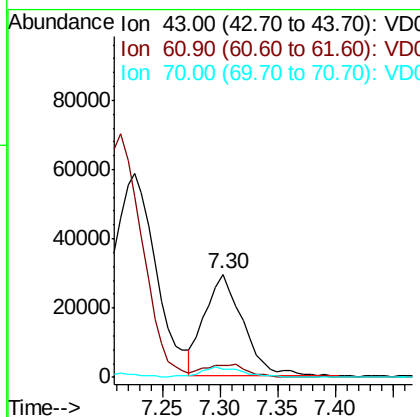
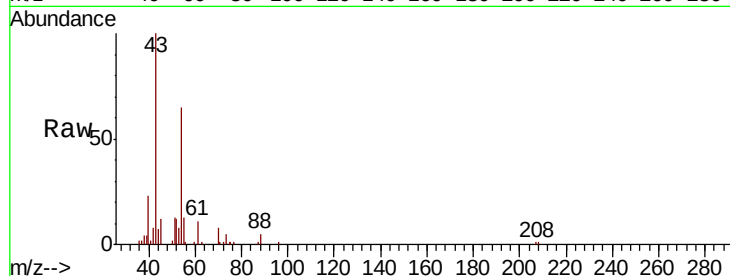
#37  
Ethyl Acetate  
Concen: 19.802 ug/l  
RT: 7.30 min Scan# 915  
Delta R.T. 0.01 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1121SBS01

| Tot Ion | 43    | 61   | 70   |
|---------|-------|------|------|
| Resp    | 68277 |      |      |
| Ratio   | 100   | 14.5 | 10.9 |
| Lower   |       | 10.2 | 8.5  |
| Upper   |       | 15.2 | 12.7 |

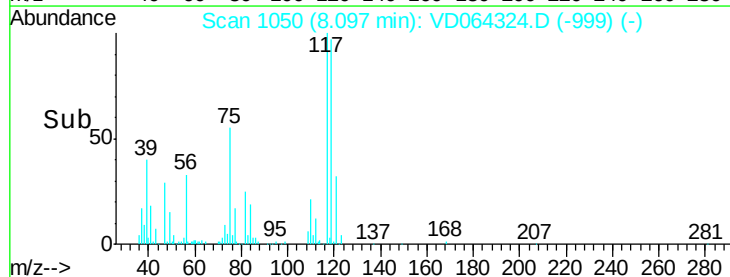
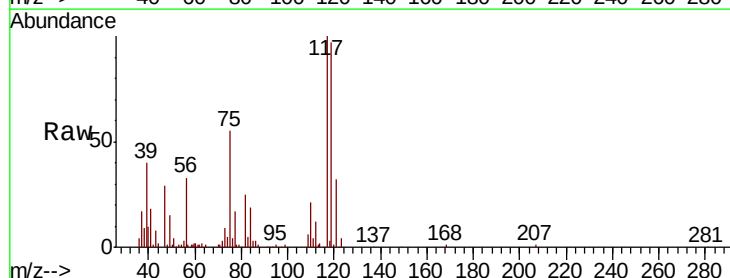
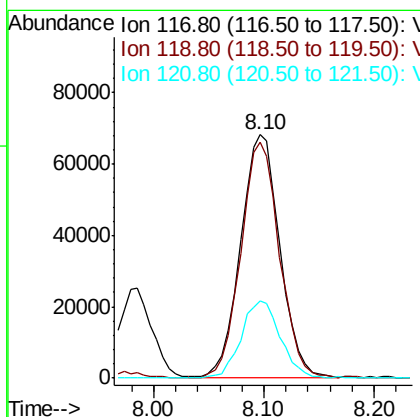
Manual Integrations  
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11/23/2019 6:11:36 AM

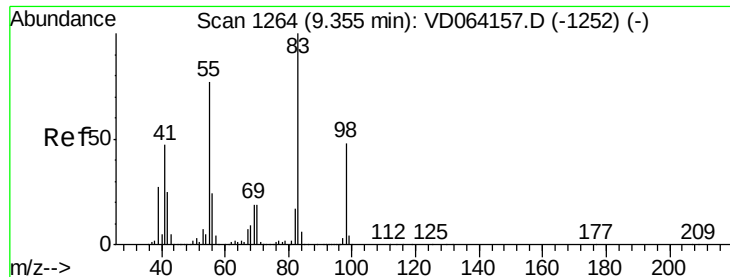


#38  
Carbon Tetrachloride  
Concen: 19.339 ug/l  
RT: 8.10 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

| Tgt Ion | 117    | 119   | 121  |
|---------|--------|-------|------|
| Resp    | 169245 |       |      |
| Ratio   | 100    | 97.4  | 31.8 |
| Lower   |        | 77.2  | 25.5 |
| Upper   |        | 115.8 | 38.3 |







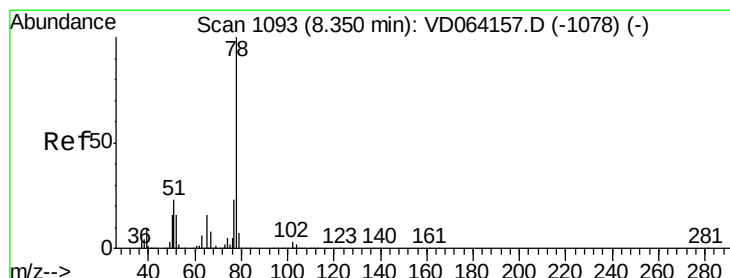
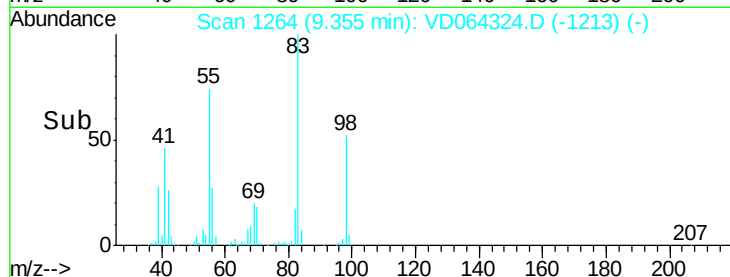
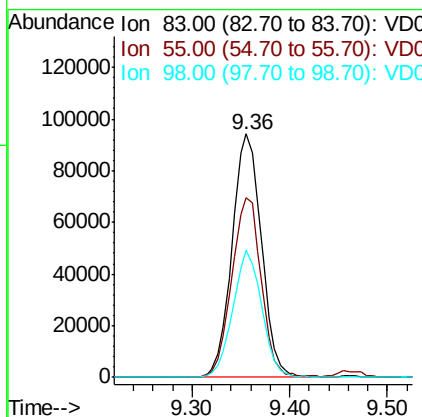
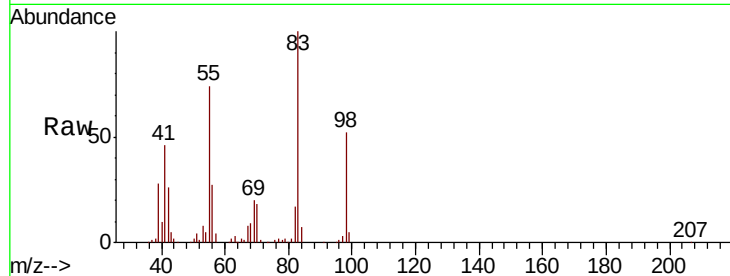
#39  
Methylvlcyclohexane  
Concen: 19.087 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. -0.00 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1121SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 73.6  | 61.7  | 92.5  |
| 98      | 52.3  | 38.6  | 58.0  |

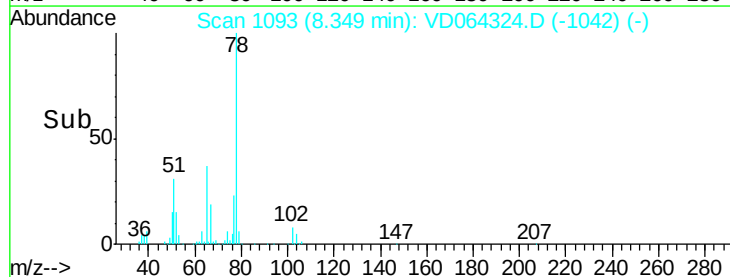
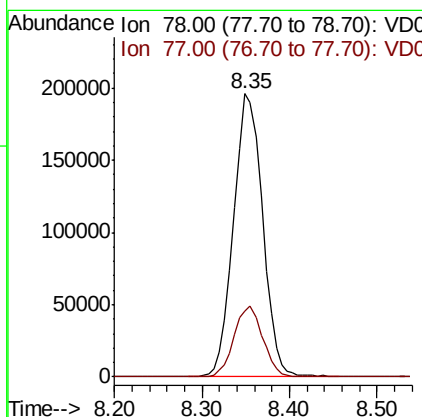
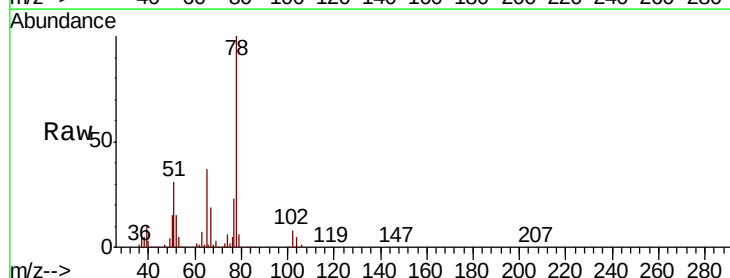
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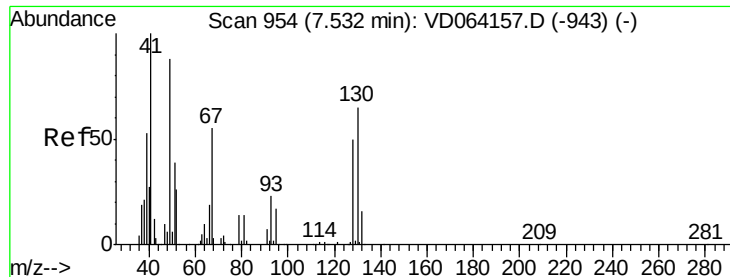
MMDadoda  
11/23/2019 6:11:36 AM



#40  
Benzene  
Concen: 19.764 ug/l  
RT: 8.35 min Scan# 1093  
Delta R.T. -0.00 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.2  | 18.6  | 28.0  |





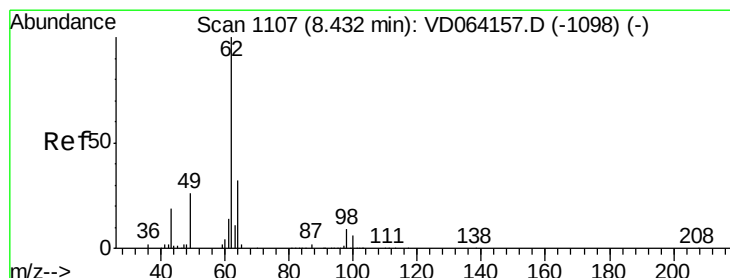
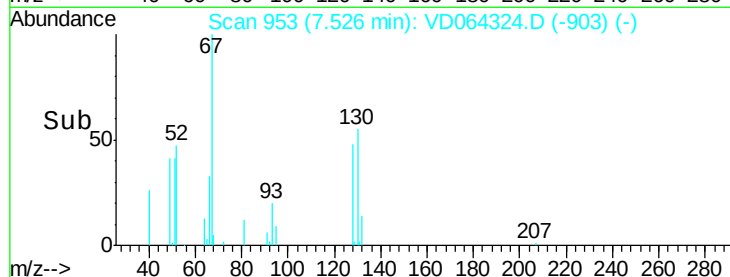
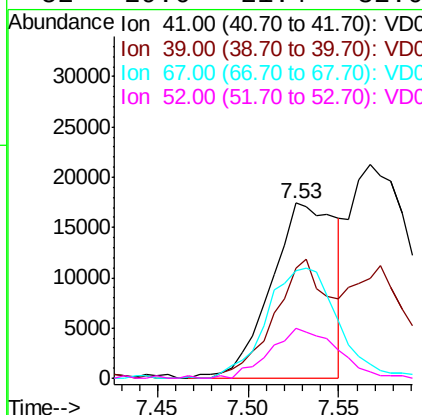
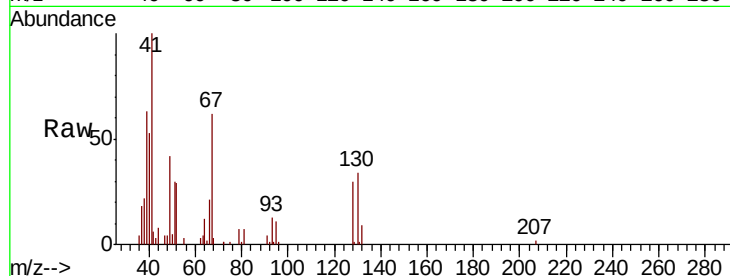
#41  
Methacrylonitrile  
Concen: 20.033 ug/l  
RT: 7.53 min Scan# 953  
Delta R.T. -0.01 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1121SBS01

| Tot Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 41      | 41  | 100   | 43414 |       |       |
| 39      | 39  | 58.3  |       | 49.4  | 74.2  |
| 67      | 67  | 69.2  |       | 49.6  | 74.4  |
| 52      | 52  | 29.6  |       | 21.4  | 32.0  |

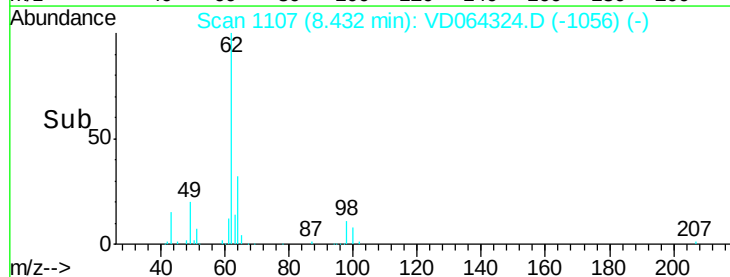
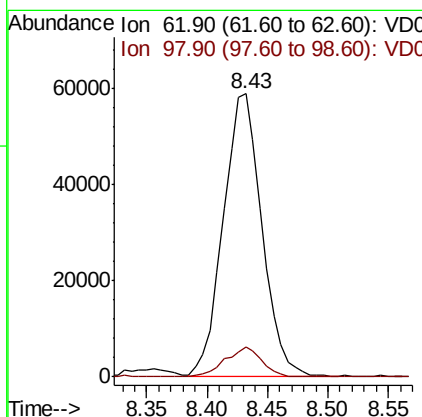
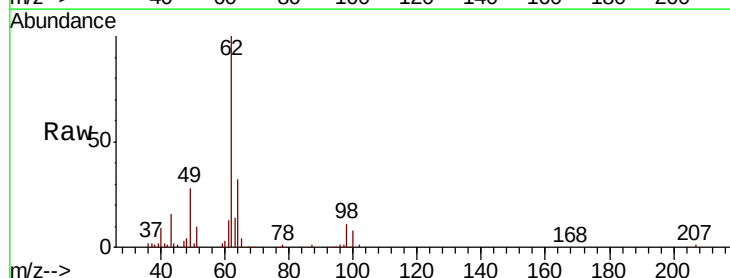
Manual Integrations  
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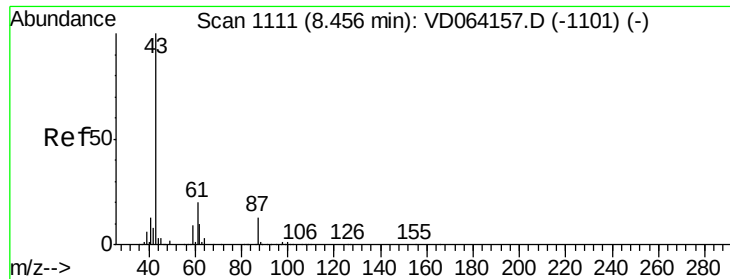
MMDadoda  
11/23/2019 6:11:36 AM



#42  
1,2-Dichloroethane  
Concen: 19.409 ug/l  
RT: 8.43 min Scan# 1107  
Delta R.T. -0.00 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 62      | 62  | 100   | 130303 |       |       |
| 98      | 98  | 10.0  |        | 0.0   | 19.0  |





#43

Isopropyl Acetate

Concen: 19.458 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA\_D

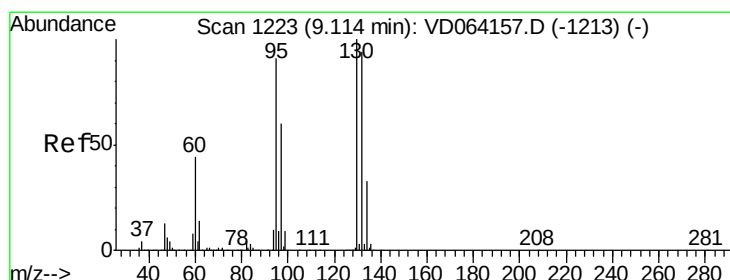
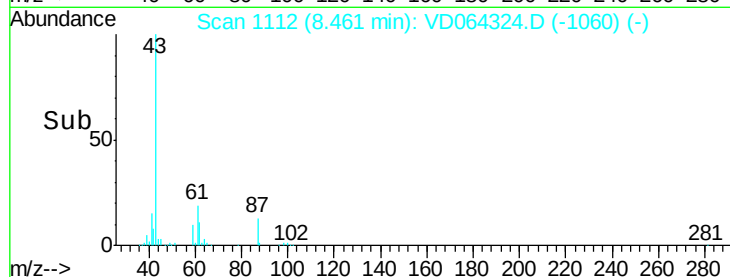
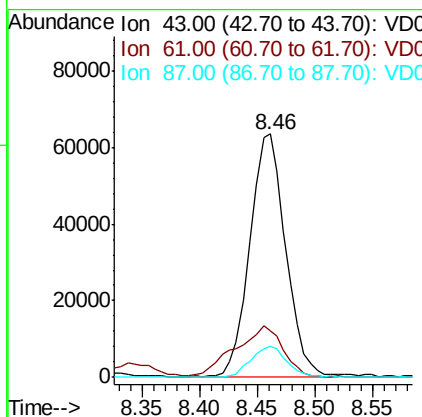
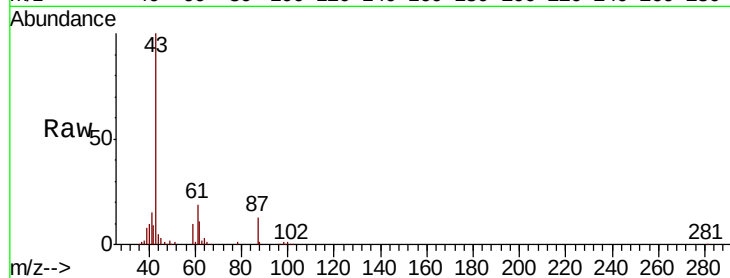
ClientSampleId :

VD1121SBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 138234 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 28.6  | 22.9  | 34.3   |
| 87       | 12.7  | 10.2  | 15.2   |

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#44

Trichloroethene

Concen: 20.355 ug/l

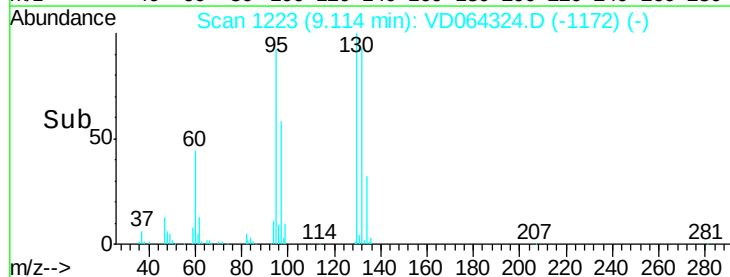
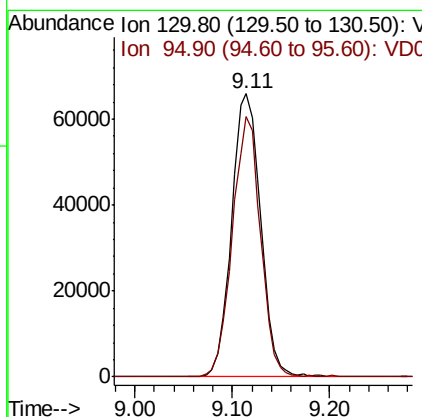
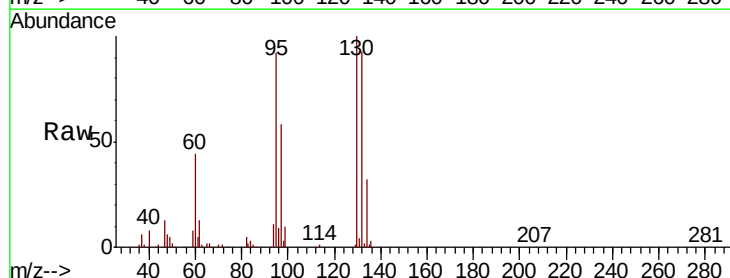
RT: 9.11 min Scan# 1223

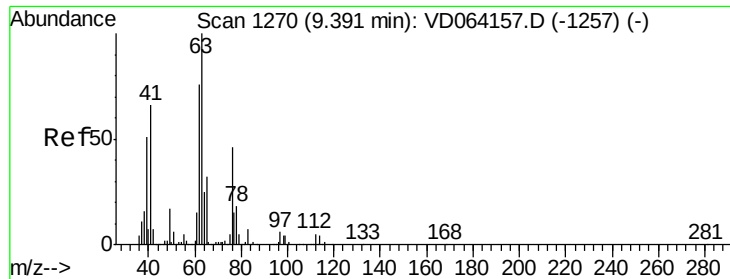
Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 136557 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 92.2  | 0.0   | 181.6  |





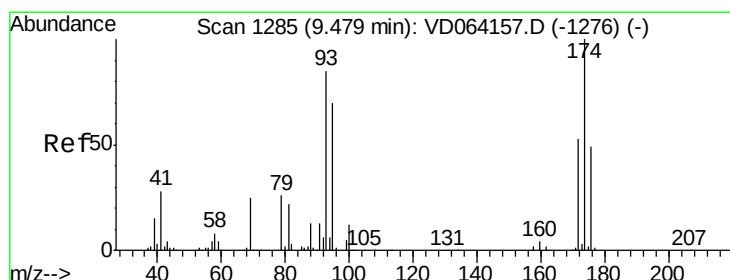
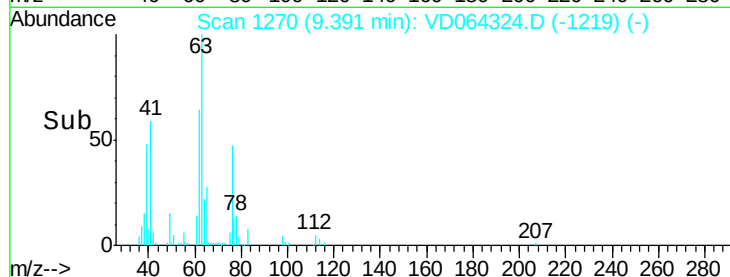
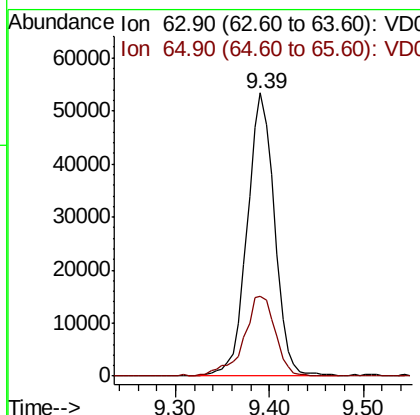
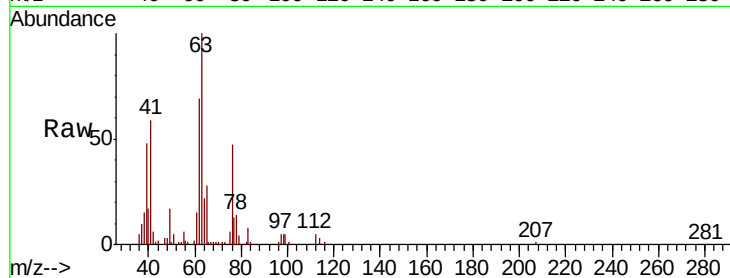
#45  
 1,2-Dichloropropane  
 Concen: 19.766 ug/l  
 RT: 9.39 min Scan# 1270  
 Delta R.T. -0.00 min  
 Lab File: VD064324.D  
 Acq: 21 Nov 2019 15:01

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1121SBS01

Tot Ion: 63 Resp: 107543  
 Ion Ratio Lower Upper  
 63 100  
 65 28.2 25.7 38.5

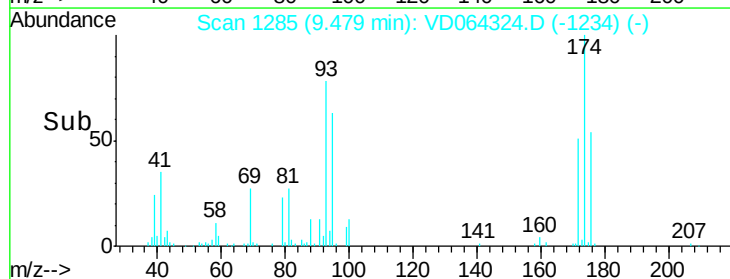
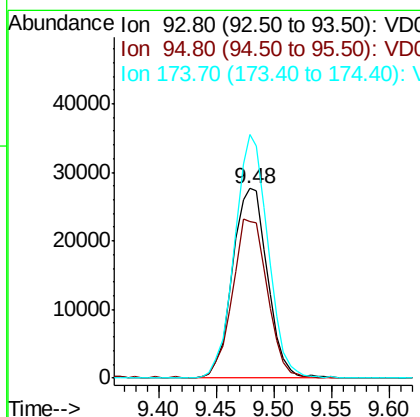
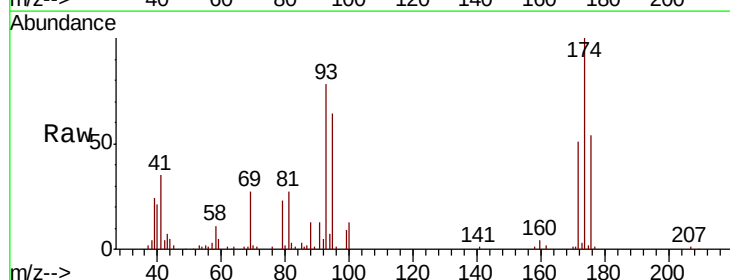
Manual Integrations  
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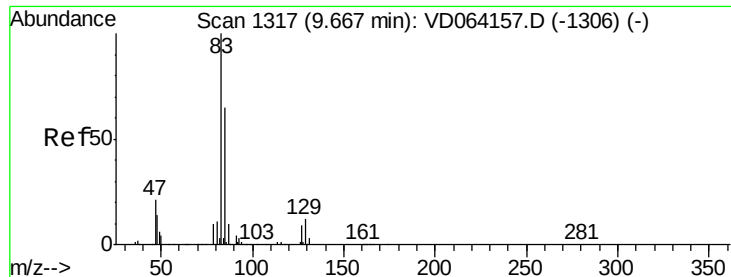
MMDadoda  
 11/23/2019 6:11:36 AM



#46  
 Dibromomethane  
 Concen: 19.966 ug/l  
 RT: 9.48 min Scan# 1285  
 Delta R.T. -0.00 min  
 Lab File: VD064324.D  
 Acq: 21 Nov 2019 15:01

Tgt Ion: 93 Resp: 58155  
 Ion Ratio Lower Upper  
 93 100  
 95 83.4 65.5 98.3  
 174 122.2 93.9 140.9





#47

Bromodichloromethane

Concen: 19.879 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA\_D

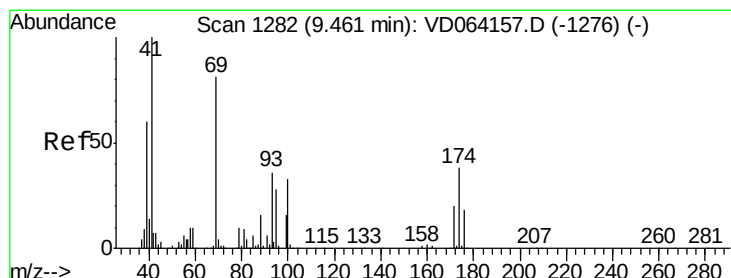
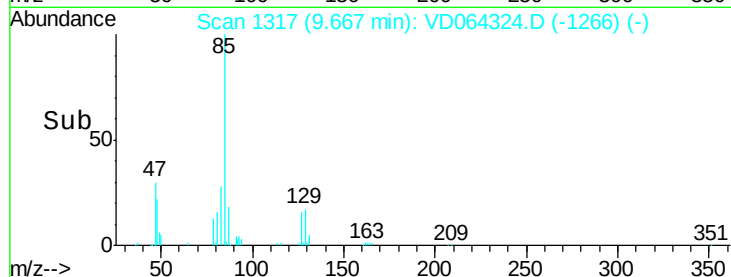
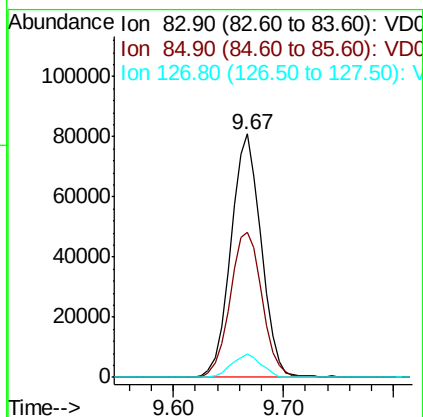
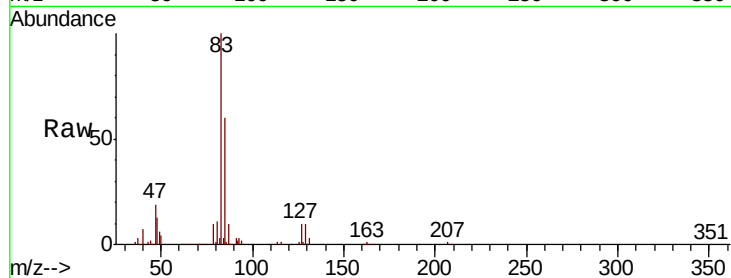
ClientSampleId :

VD1121SBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 155967 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 59.8  | 52.2  | 78.4   |
| 127      | 9.8   | 7.5   | 11.3   |

Manual Integrations  
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#48

Methyl methacrylate

Concen: 18.696 ug/l

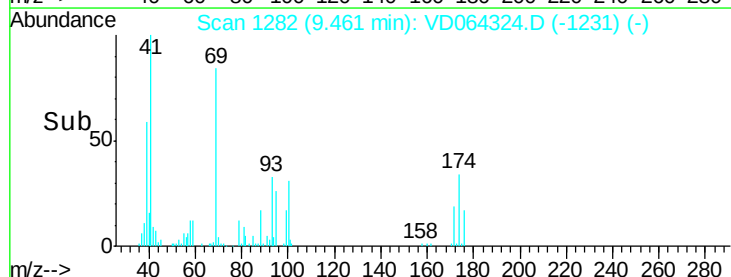
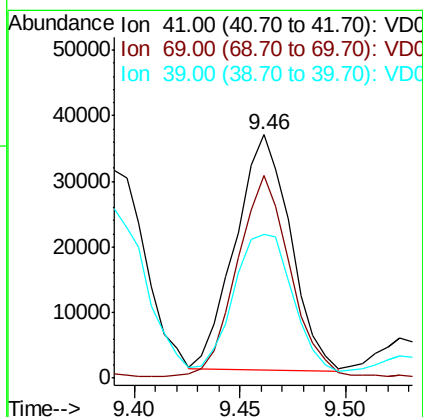
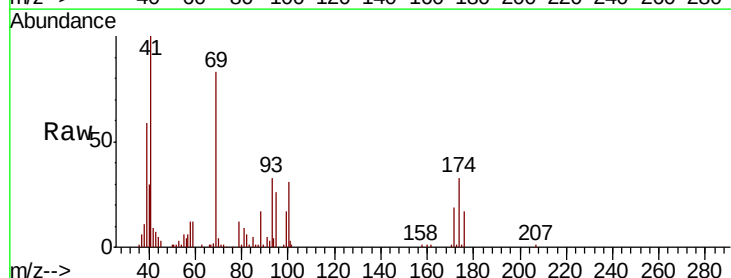
RT: 9.46 min Scan# 1282

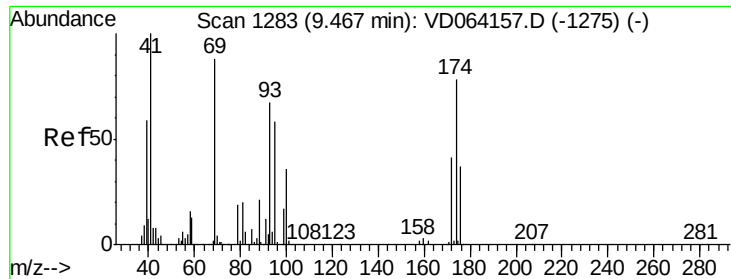
Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 64947 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 85.6  | 64.6  | 97.0  |
| 39       | 60.9  | 48.2  | 72.2  |





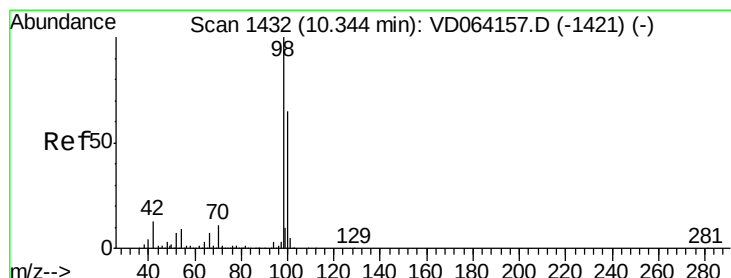
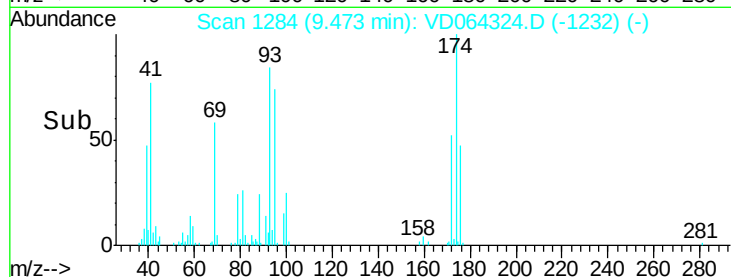
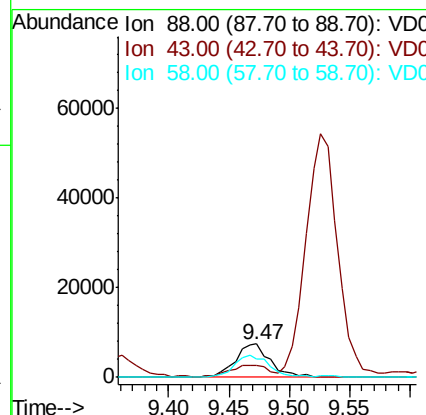
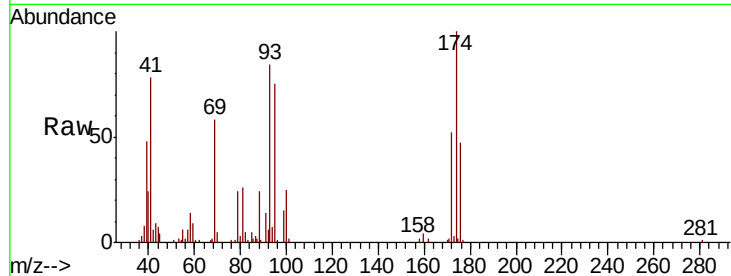
#49  
1,4-Dioxane  
Concen: 433.912 ug/l  
RT: 9.47 min Scan# 1284  
Delta R.T. 0.01 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1121SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 37.7  | 29.8  | 44.8  |
| 58      | 66.5  | 58.1  | 87.1  |

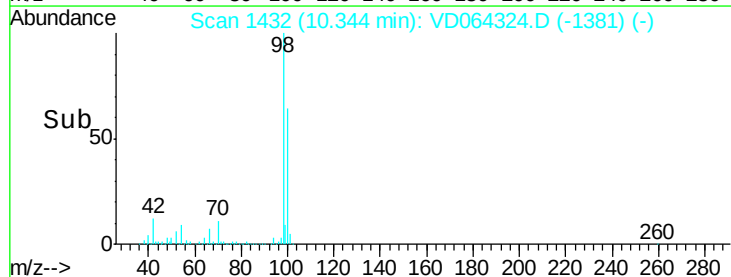
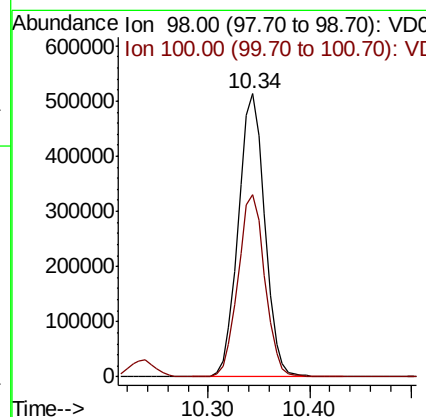
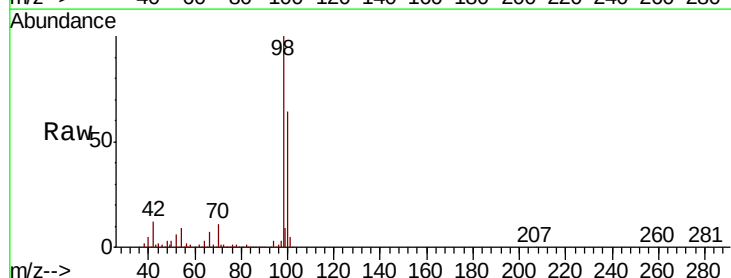
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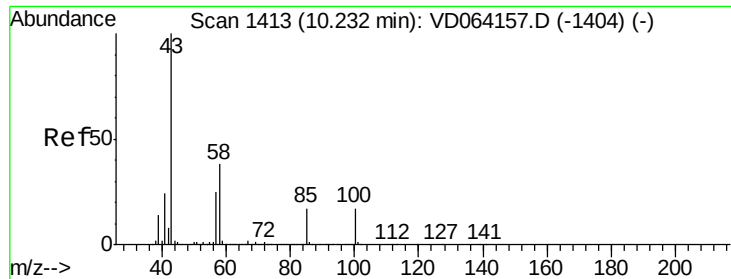
MMDadoda  
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#50  
Toluene-d8  
Concen: 48.658 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. -0.00 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.0  | 52.6  | 78.8  |





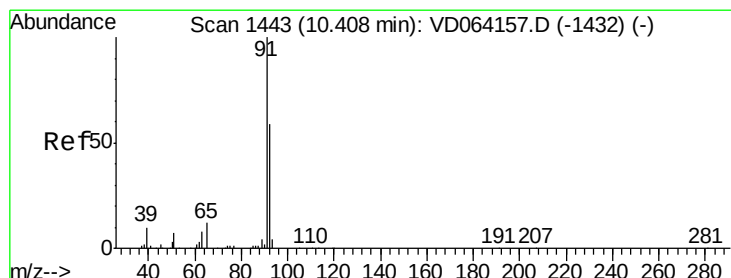
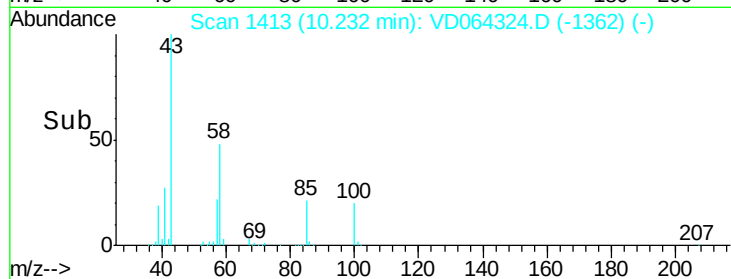
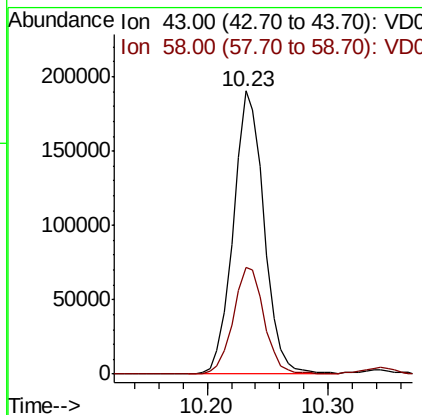
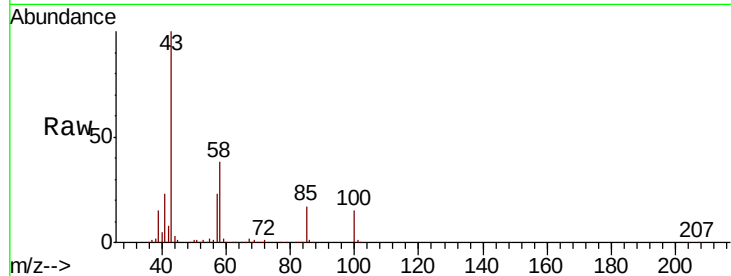
#51  
4-Methyl-2-Pentanone  
Concen: 98.763 ug/l  
RT: 10.23 min Scan# 1413  
Delta R.T. -0.00 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1121SBS01

| Tot Ion   | 43   | Resp  | 336474 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 38.1 | 30.2  | 45.4   |

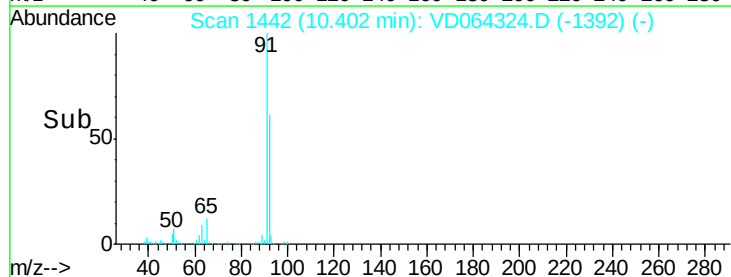
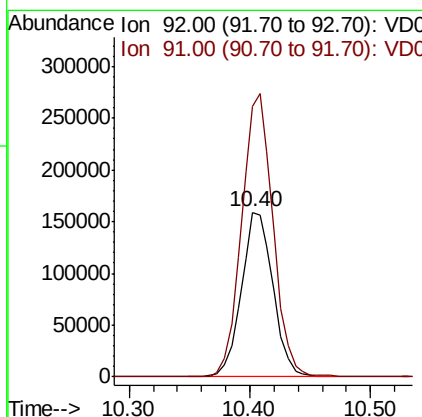
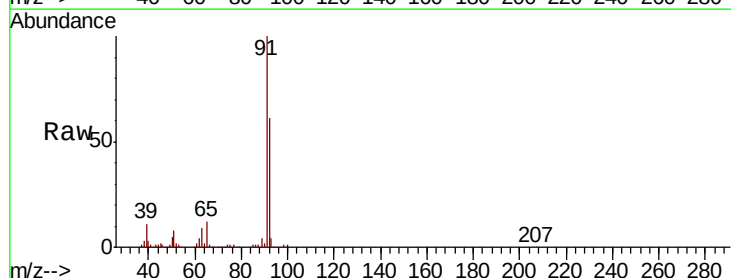
Manual Integrations  
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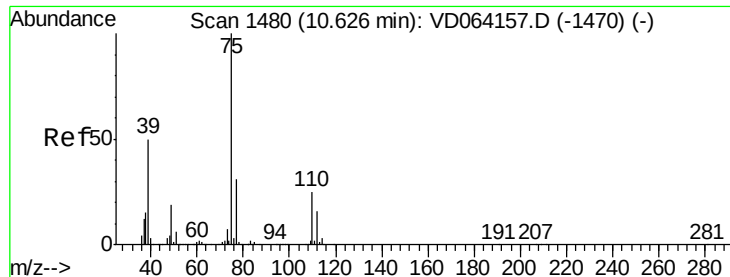
MMDadoda  
11/23/2019 6:11:36 AM



#52  
Toluene  
Concen: 19.698 ug/l  
RT: 10.40 min Scan# 1442  
Delta R.T. -0.01 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

| Tgt Ion   | 92    | Resp  | 289534 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 92        | 100   |       |        |
| 91        | 171.1 | 136.4 | 204.6  |





#53

t-1,3-Dichloropropene

Concen: 18.810 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA\_D

ClientSampleId :

VD1121SBS01

Tot Ion: 75 Resp: 147848

Ion Ratio Lower Upper

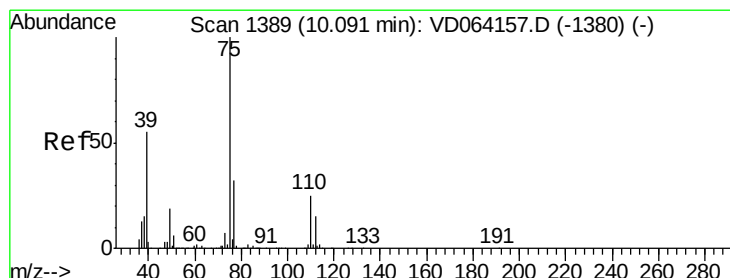
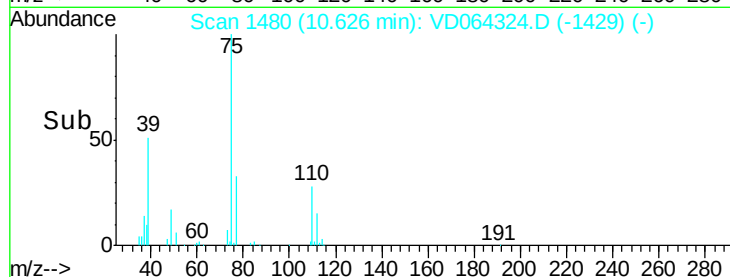
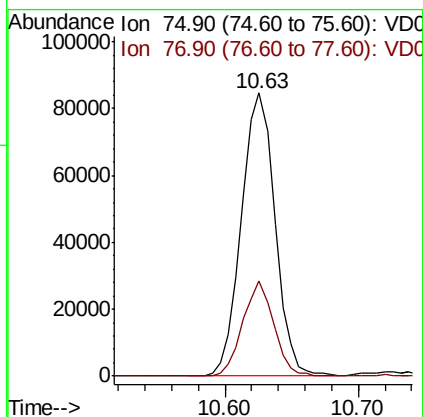
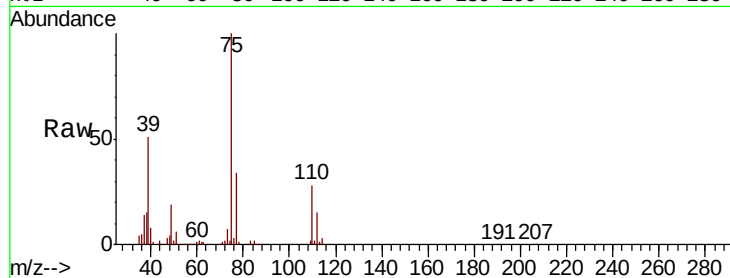
75 100

77 33.7 24.7 37.1

Manual Integrations  
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#54

cis-1,3-Dichloropropene

Concen: 19.261 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

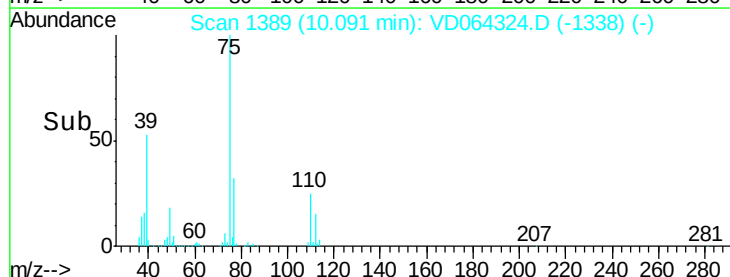
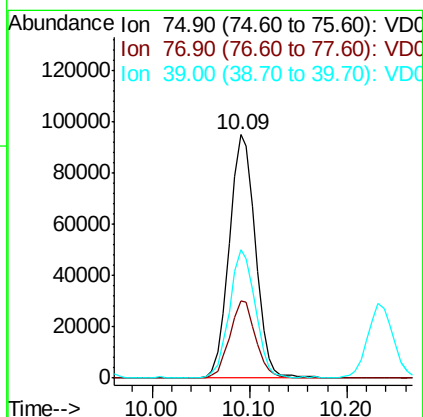
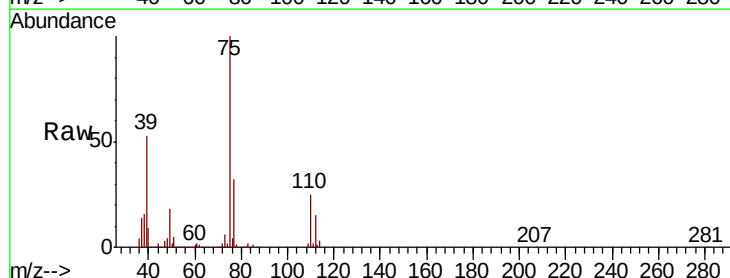
Tgt Ion: 75 Resp: 176667

Ion Ratio Lower Upper

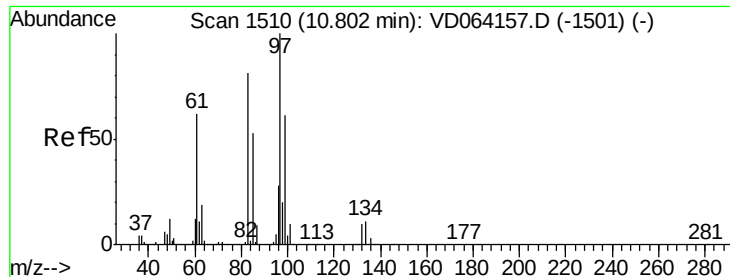
75 100

77 31.7 25.2 37.8

39 52.4 44.2 66.2







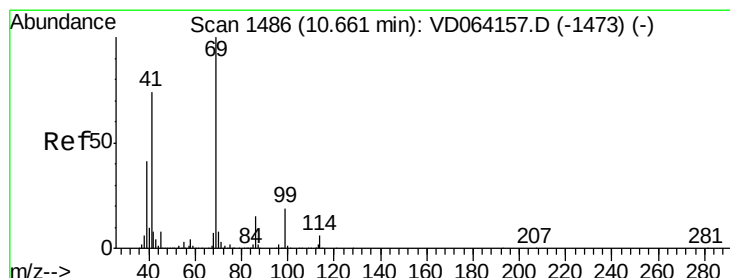
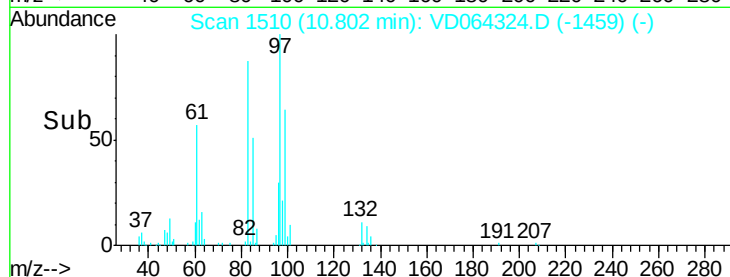
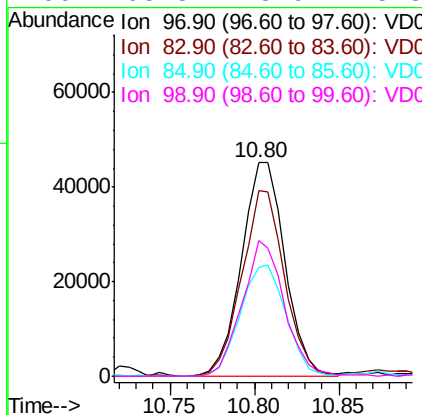
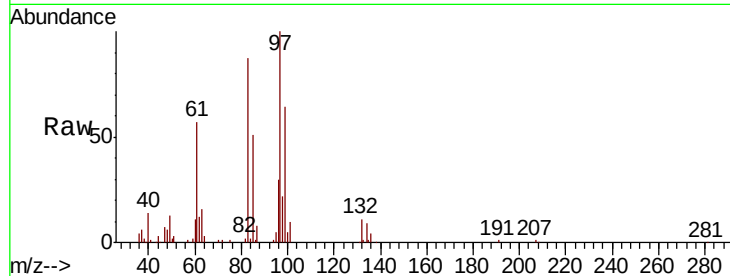
#55  
 1,1,2-Trichloroethane  
 Concen: 20.550 ug/l  
 RT: 10.80 min Scan# 1510  
 Delta R.T. -0.00 min  
 Lab File: VD064324.D  
 Acq: 21 Nov 2019 15:01

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1121SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 81201 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 87.1  | 65.1  | 97.7  |
| 85       | 51.0  | 42.0  | 63.0  |
| 99       | 63.8  | 48.9  | 73.3  |

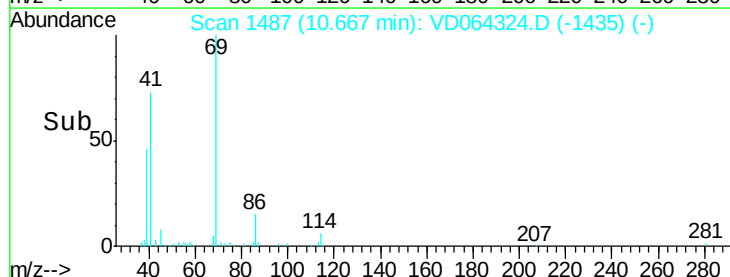
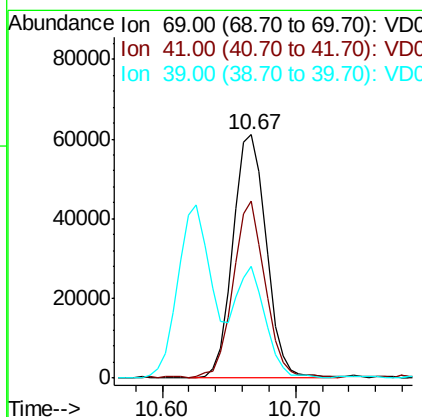
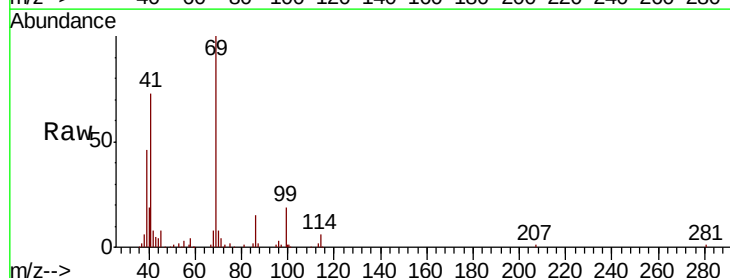
Manual Integrations  
 APPROVED

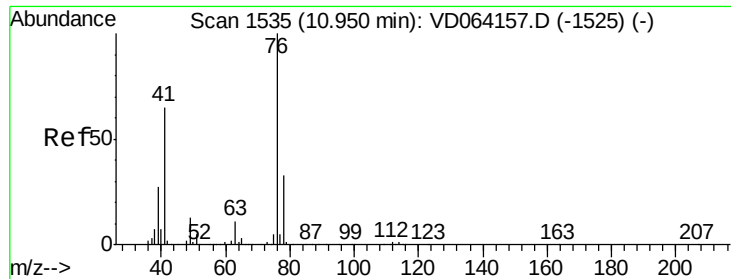
MMDadoda  
 11/23/2019 6:11:36 AM



#56  
 Ethyl methacrylate  
 Concen: 19.328 ug/l  
 RT: 10.67 min Scan# 1487  
 Delta R.T. 0.01 min  
 Lab File: VD064324.D  
 Acq: 21 Nov 2019 15:01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 106835 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 69.1  | 57.9  | 86.9   |
| 39       | 39.1  | 29.0  | 43.4   |





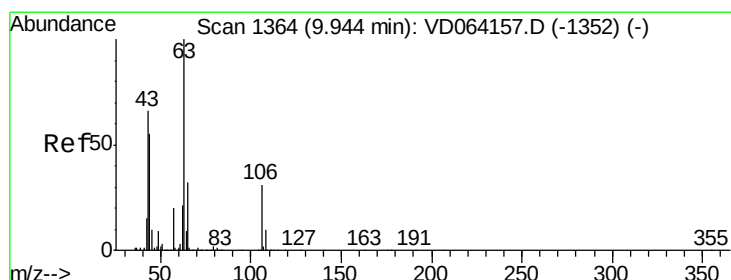
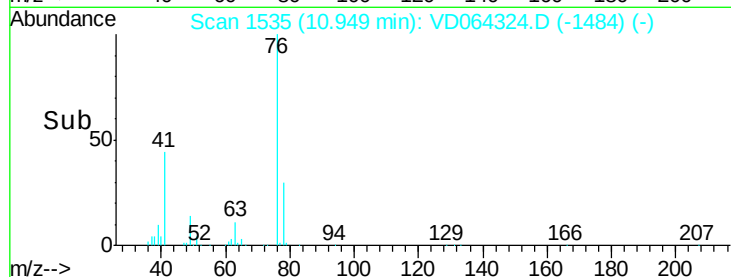
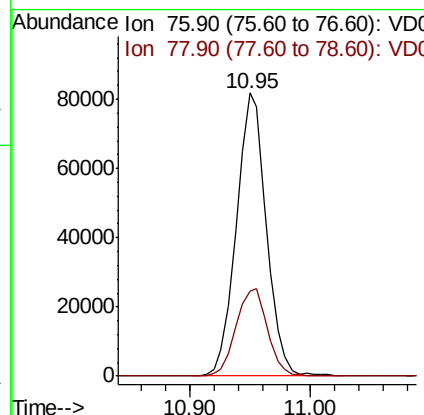
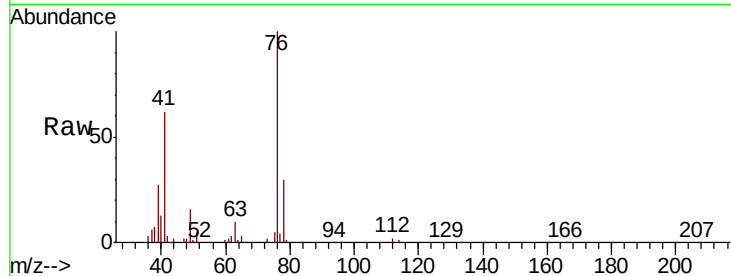
#57  
 1,3-Dichloropropane  
 Concen: 20.542 ug/l  
 RT: 10.95 min Scan# 1535  
 Delta R.T. -0.00 min  
 Lab File: VD064324.D  
 Acq: 21 Nov 2019 15:01

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1121SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.4  | 26.2  | 39.4  |

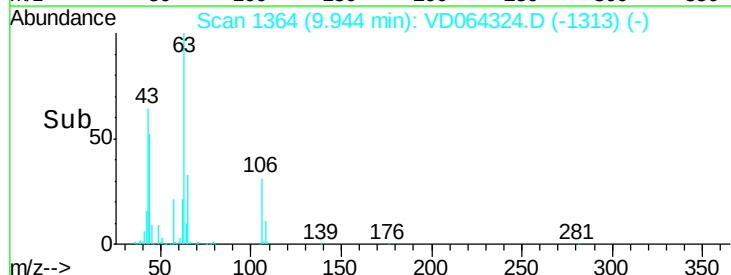
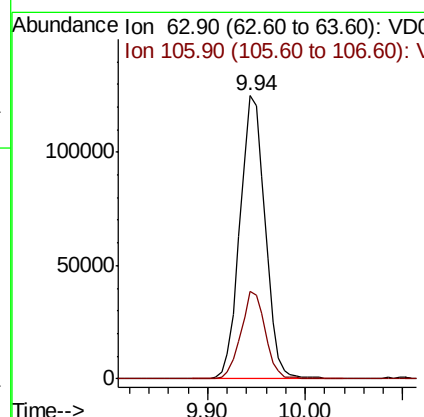
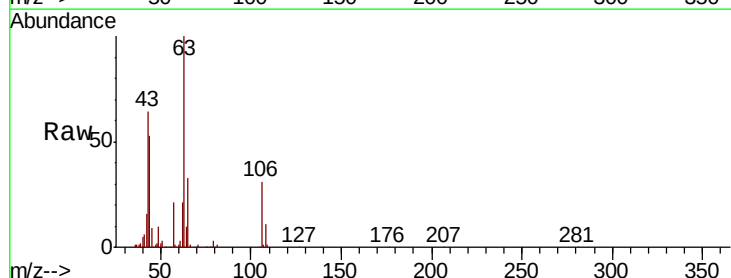
Manual Integrations  
 APPROVED

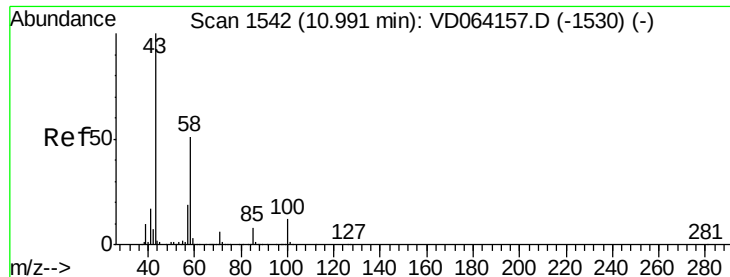
MMDadoda  
 11/23/2019 6:11:36 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 100.343 ug/l  
 RT: 9.94 min Scan# 1364  
 Delta R.T. -0.00 min  
 Lab File: VD064324.D  
 Acq: 21 Nov 2019 15:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 29.8  | 24.1  | 36.1  |





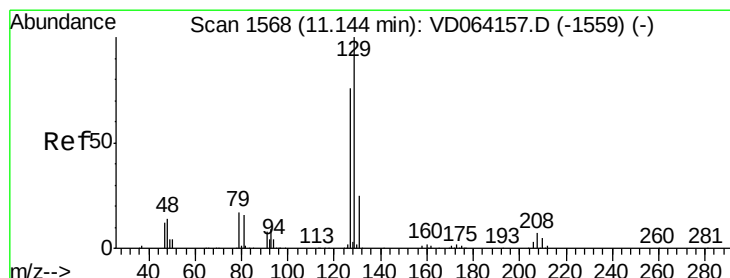
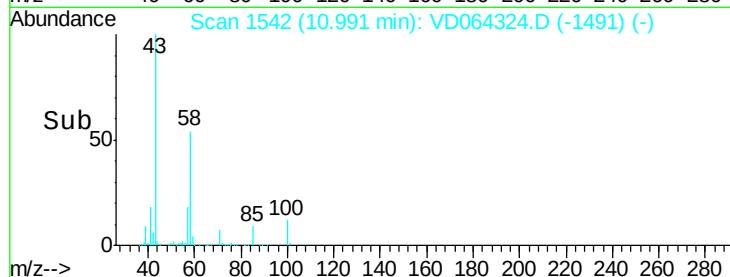
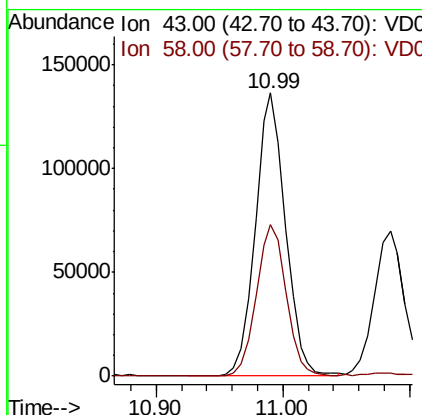
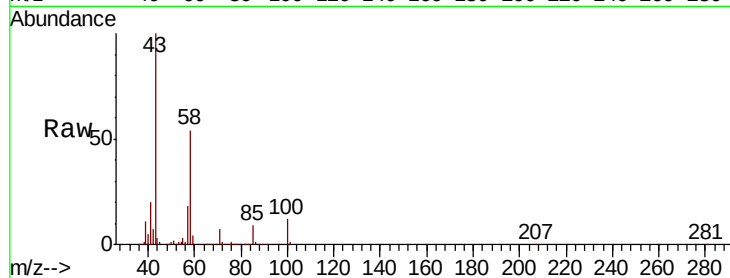
#59  
2-Hexanone  
Concen: 93.315 ug/l  
RT: 10.99 min Scan# 1542  
Delta R.T. -0.00 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1121SBS01

Tot Ion: 43 Resp: 226177  
Ion Ratio Lower Upper  
43 100  
58 53.1 25.9 77.7

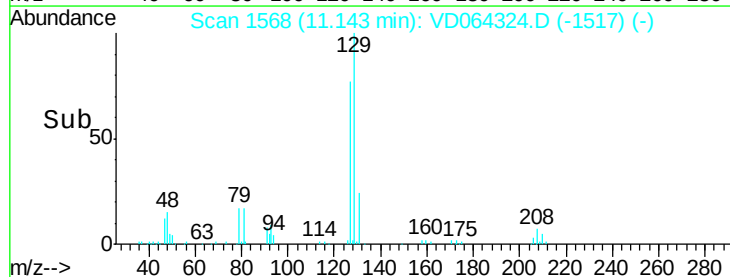
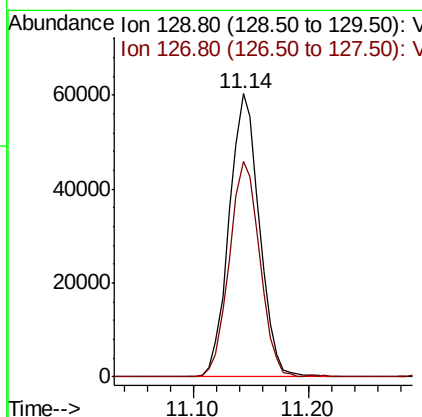
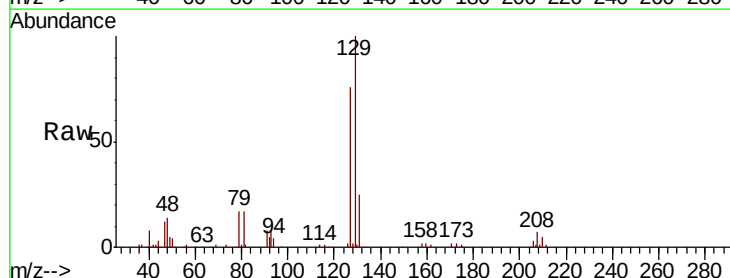
Manual Integrations  
APPROVED

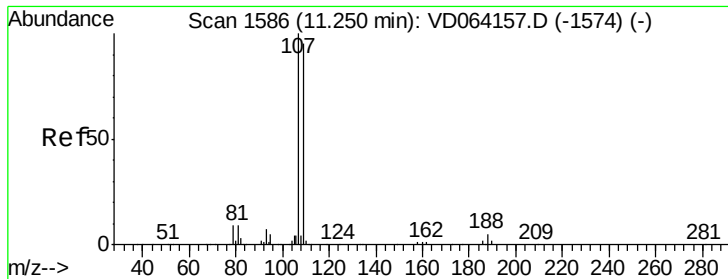
MMDadoda  
11/23/2019 6:11:36 AM



#60  
Dibromochloromethane  
Concen: 19.779 ug/l  
RT: 11.14 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

Tgt Ion: 129 Resp: 109052  
Ion Ratio Lower Upper  
129 100  
127 76.8 38.6 115.8





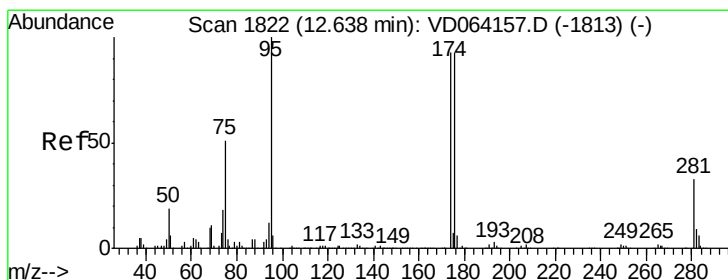
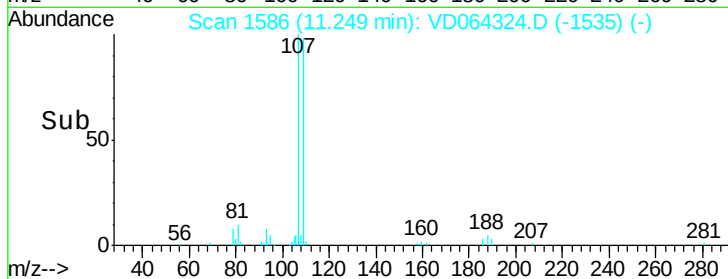
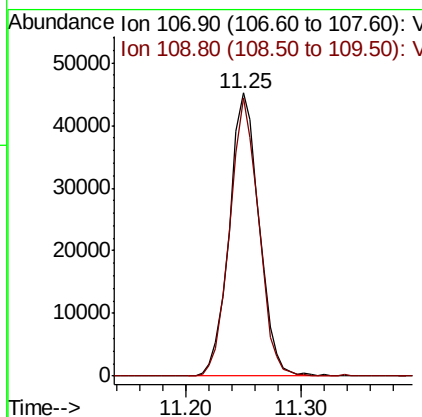
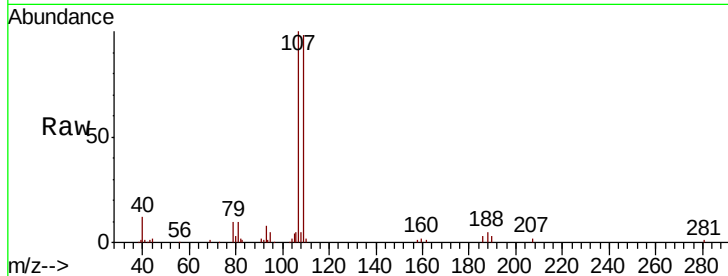
#61  
 1,2-Dibromoethane  
 Concen: 20.473 ug/l  
 RT: 11.25 min Scan# 1586  
 Delta R.T. -0.00 min  
 Lab File: VD064324.D  
 Acq: 21 Nov 2019 15:01

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1121SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.9  | 75.1  | 112.7 |

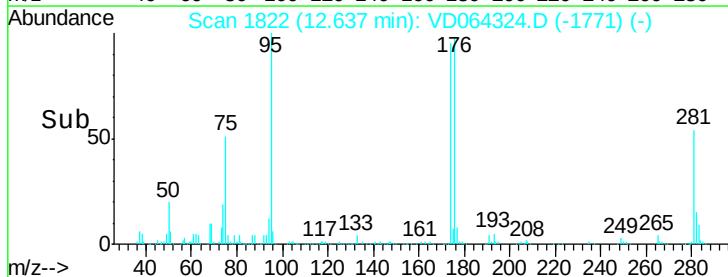
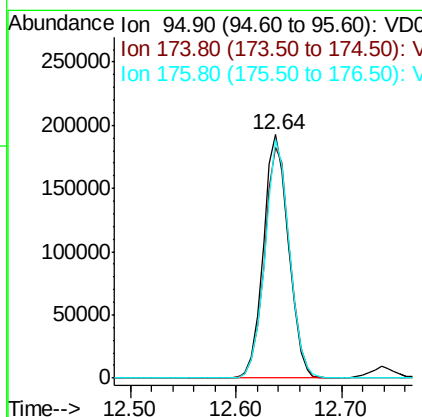
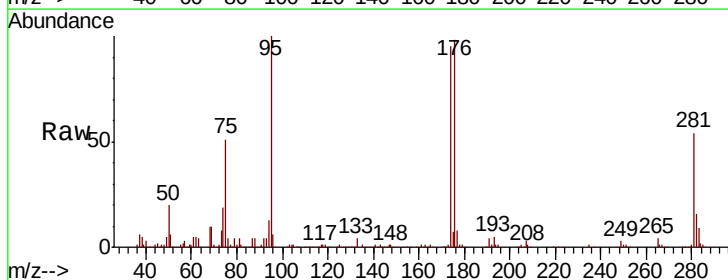
Manual Integrations  
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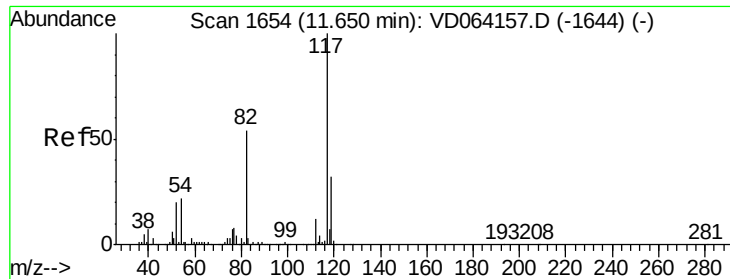
MMDadoda  
 11/23/2019 6:11:36 AM



#62  
 4-Bromofluorobenzene  
 Concen: 47.734 ug/l  
 RT: 12.64 min Scan# 1822  
 Delta R.T. -0.00 min  
 Lab File: VD064324.D  
 Acq: 21 Nov 2019 15:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 95.4  | 0.0   | 183.6 |
| 176     | 94.9  | 0.0   | 180.2 |





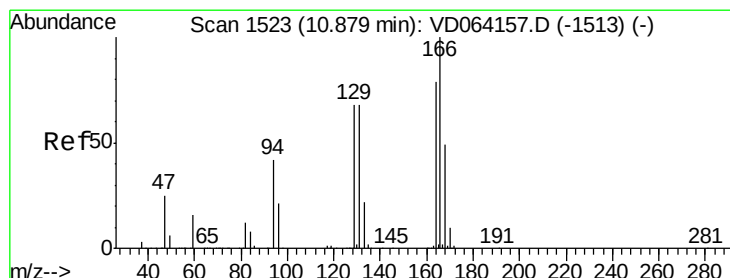
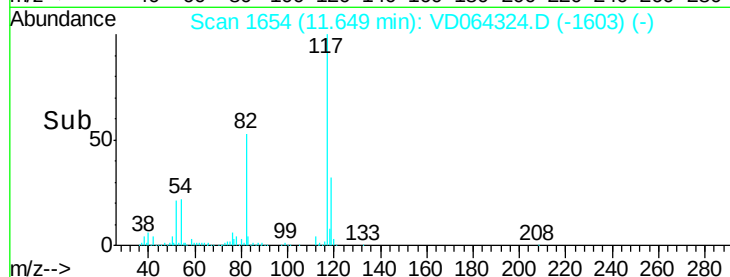
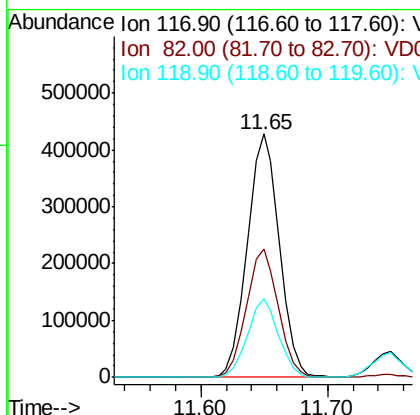
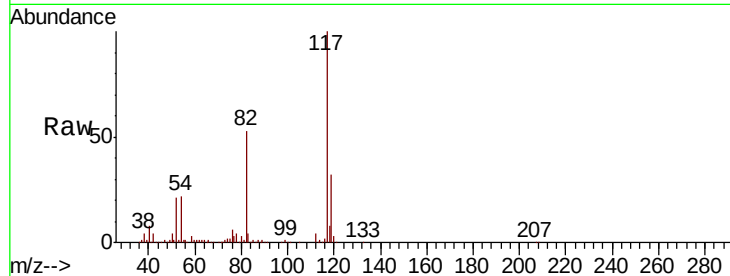
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. -0.00 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1121SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.6  | 42.8  | 64.2  |
| 119     | 32.2  | 25.6  | 38.4  |

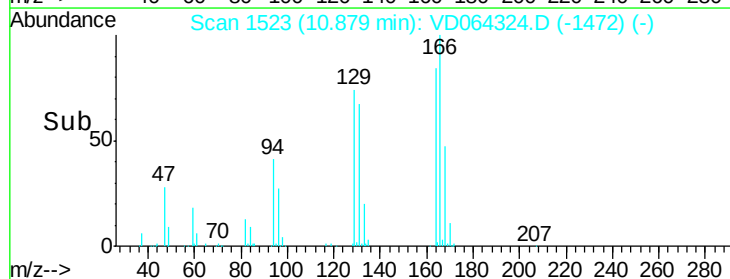
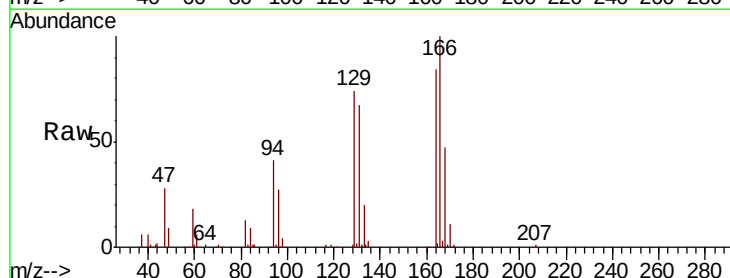
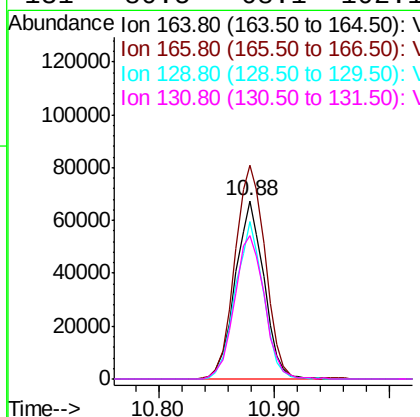
Manual Integrations  
APPROVED

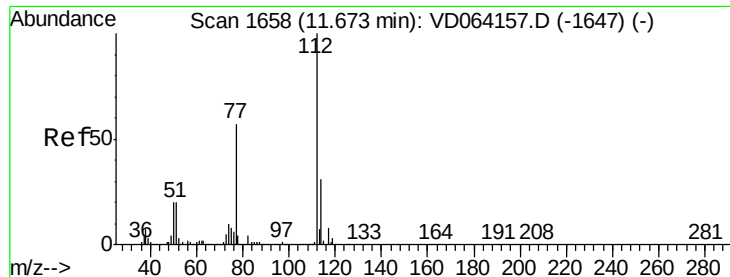
MMDadoda  
11/23/2019 6:11:36 AM



#64  
Tetrachloroethene  
Concen: 20.034 ug/l  
RT: 10.88 min Scan# 1523  
Delta R.T. -0.00 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 119.7 | 100.8 | 151.2 |
| 129     | 88.2  | 68.7  | 103.1 |
| 131     | 80.5  | 68.1  | 102.1 |





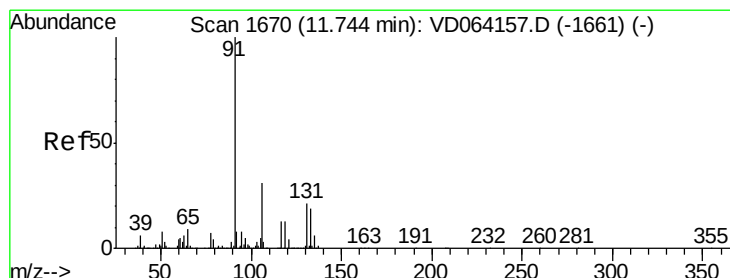
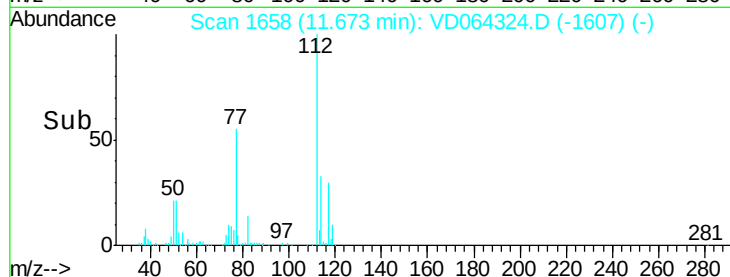
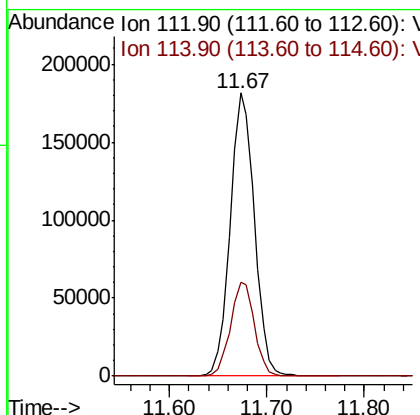
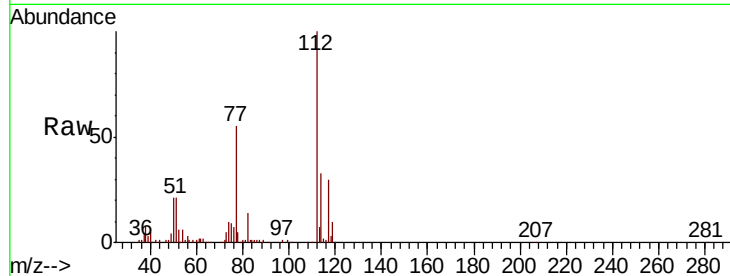
#65  
Chlorobenzene  
Concen: 20.338 ug/l  
RT: 11.67 min Scan# 1658  
Delta R.T. -0.00 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1121SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 33.1  | 25.2  | 37.8  |

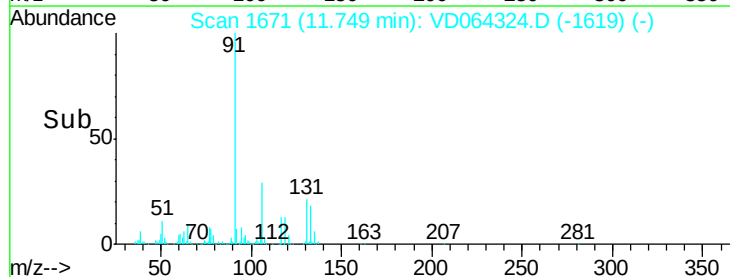
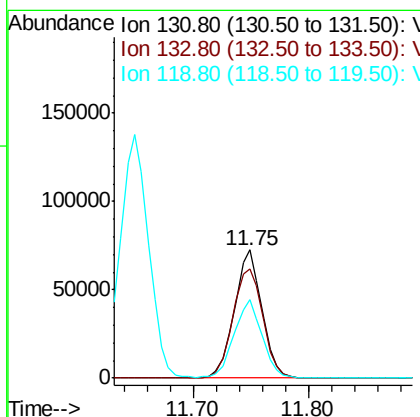
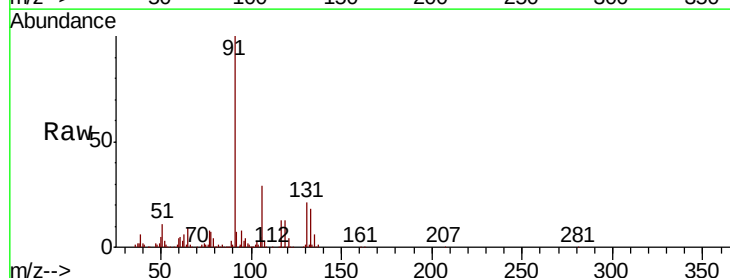
Manual Integrations  
APPROVED

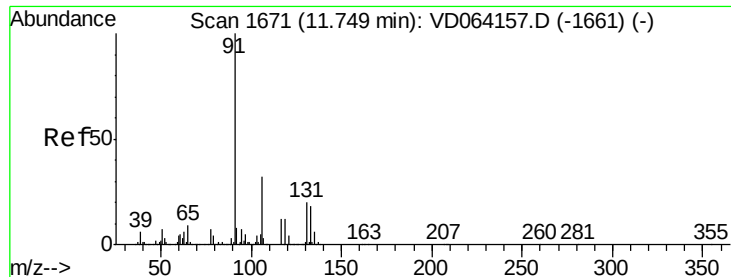
MMDadoda  
11/23/2019 6:11:36 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.577 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. 0.01 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 92.4  | 47.3  | 141.9 |
| 119     | 61.8  | 31.1  | 93.3  |





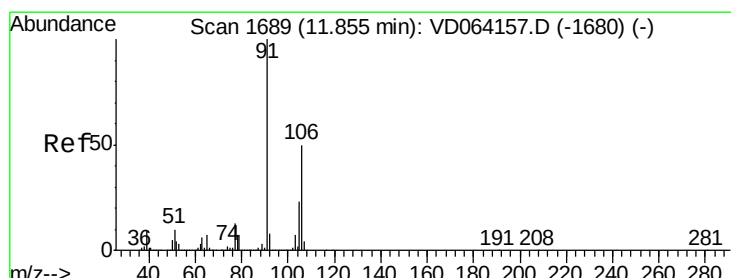
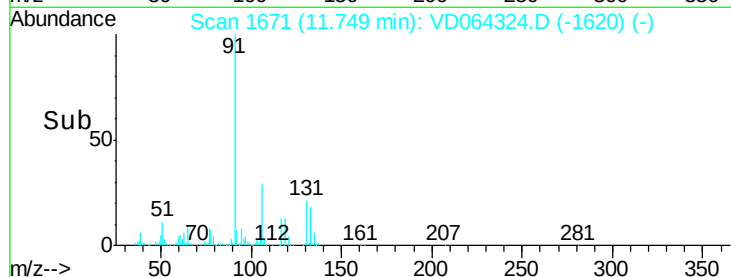
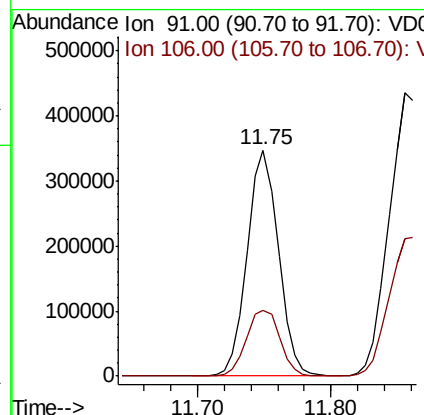
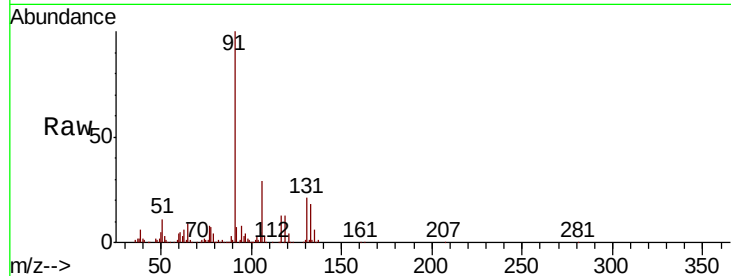
#67  
Ethyl Benzene  
Concen: 20.297 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. -0.00 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1121SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 29.2  | 25.5  | 38.3  |

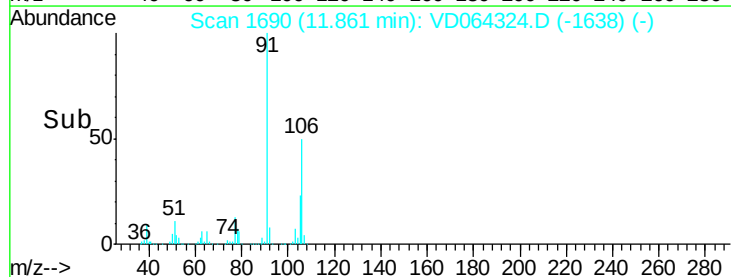
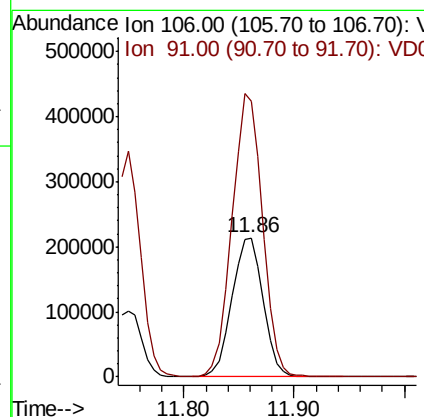
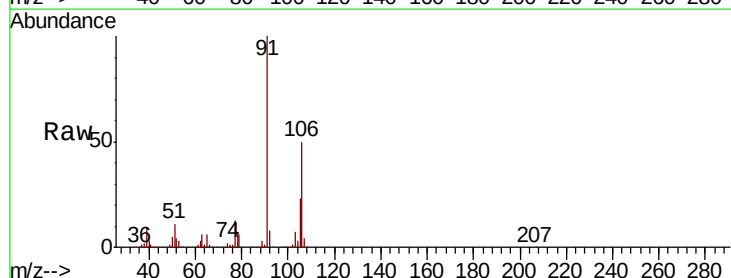
Manual Integrations  
APPROVED

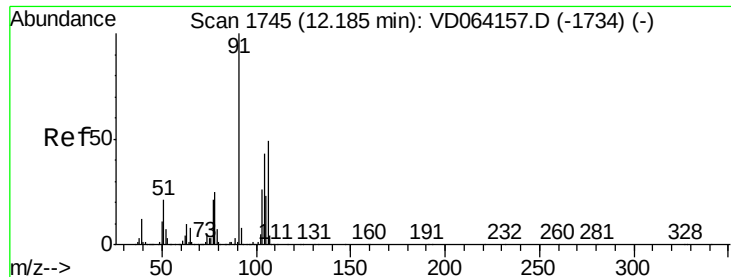
MMDadoda  
11/23/2019 6:11:36 AM



#68  
m/p-Xylenes  
Concen: 39.794 ug/l  
RT: 11.86 min Scan# 1690  
Delta R.T. 0.01 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 199.5 | 160.3 | 240.5 |





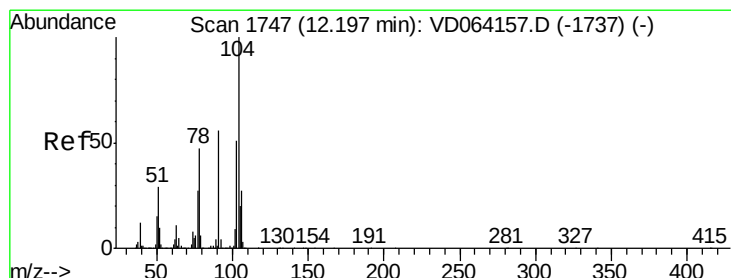
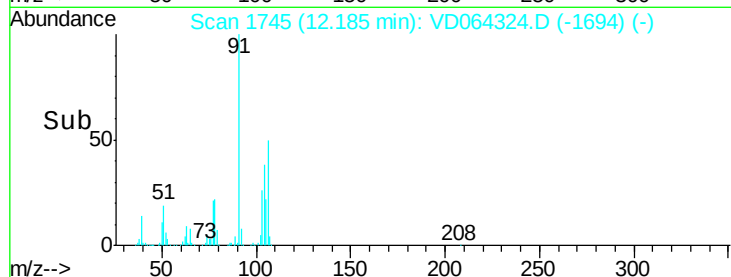
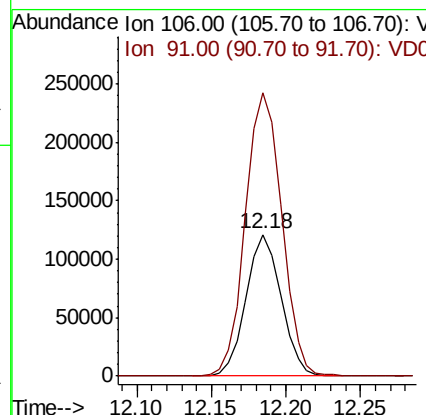
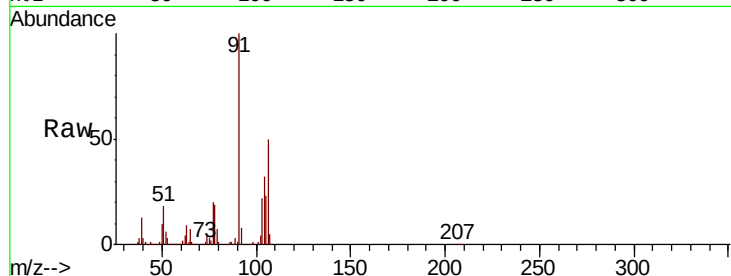
#69  
o-Xylene  
Concen: 20.078 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. -0.00 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1121SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 207.3 | 105.1 | 315.3 |

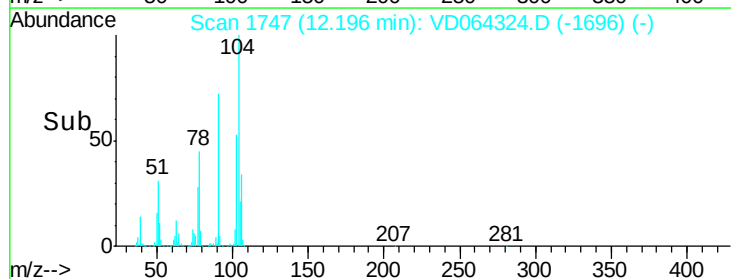
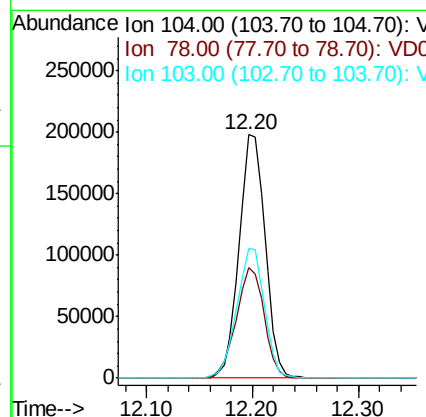
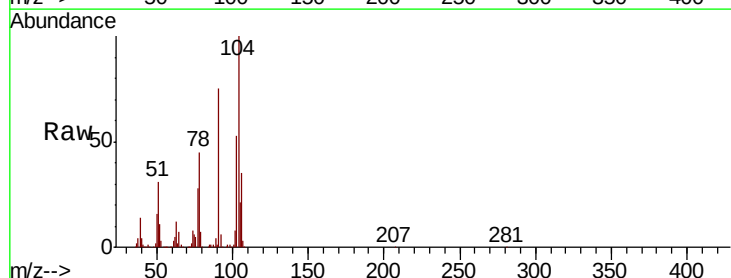
Manual Integrations  
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MMDadoda  
11/23/2019 6:11:36 AM

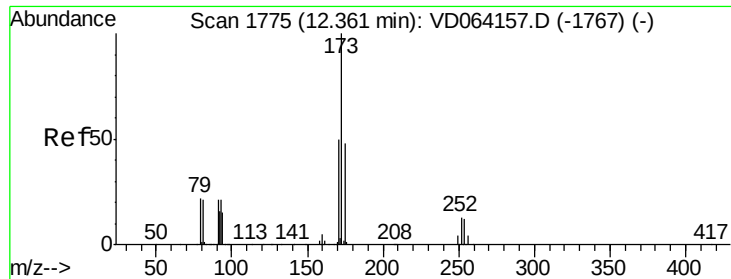


#70  
Styrene  
Concen: 19.664 ug/l  
RT: 12.20 min Scan# 1747  
Delta R.T. -0.00 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 48.4  | 39.9  | 59.9  |
| 103     | 56.1  | 43.4  | 65.0  |







#71

Bromoform

Concen: 19.202 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA\_D

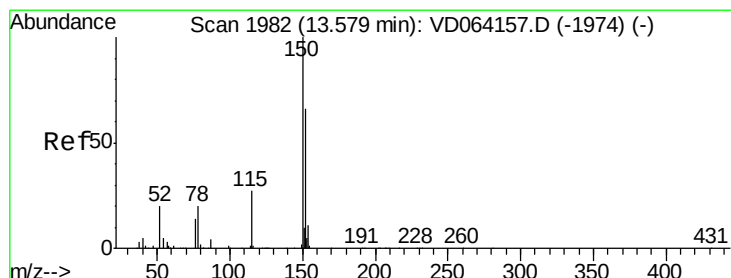
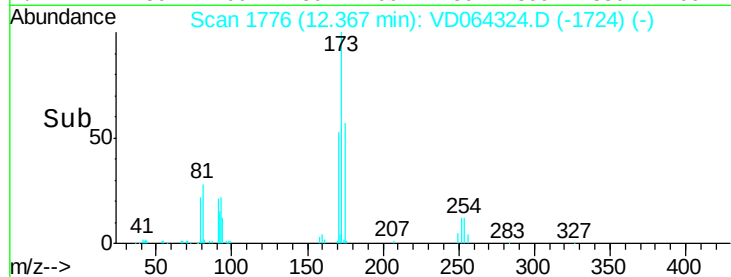
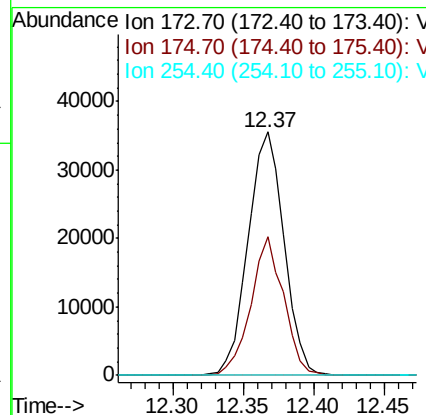
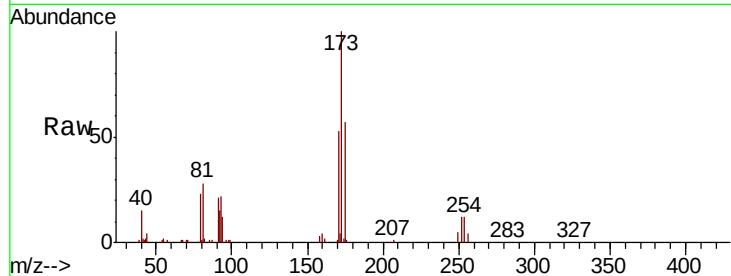
ClientSampleId :

VD1121SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 51.9  | 24.1  | 72.3  |
| 254     | 0.0   | 0.2   | 0.2   |

Manual Integrations  
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11/23/2019 6:11:36 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

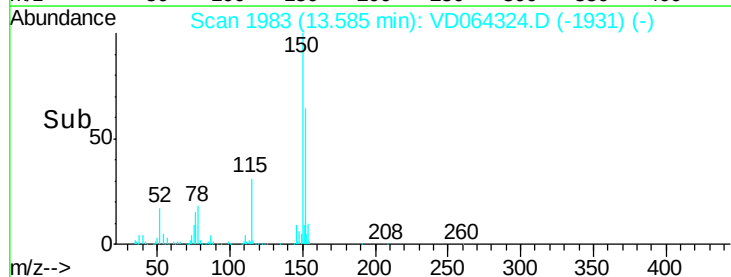
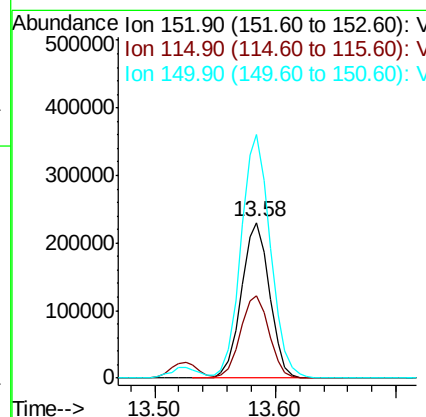
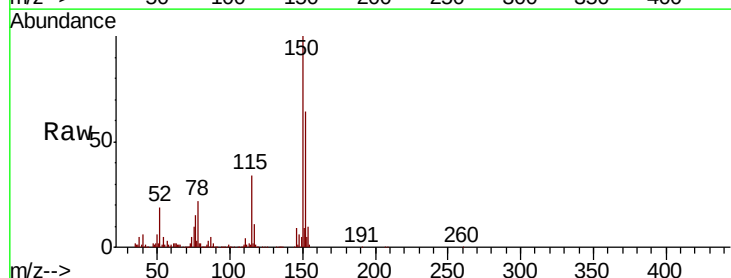
RT: 13.58 min Scan# 1983

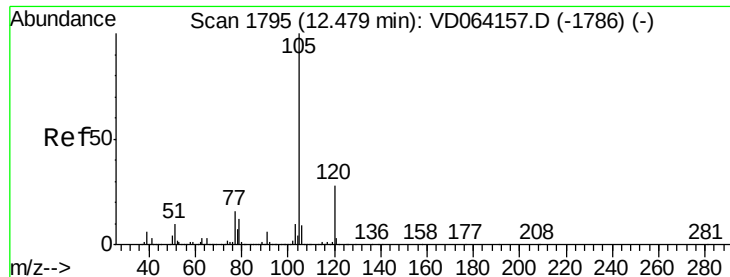
Delta R.T. 0.01 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 53.8  | 27.4  | 82.2  |
| 150     | 163.8 | 0.0   | 351.6 |





#73

Isopropylbenzene

Concen: 19.823 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA\_D

ClientSampleId :

VD1121SBS01

Tot Ion: 105 Resp: 545309

Ion Ratio Lower Upper

105 100

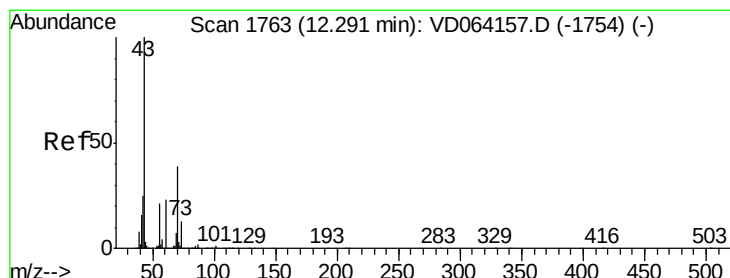
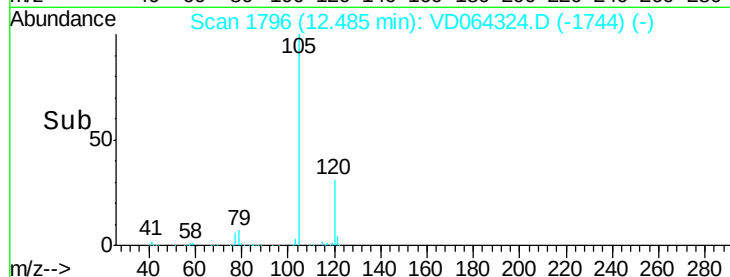
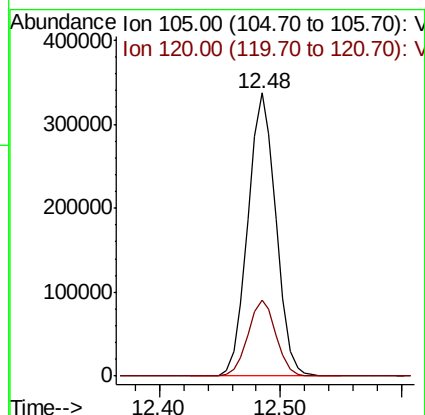
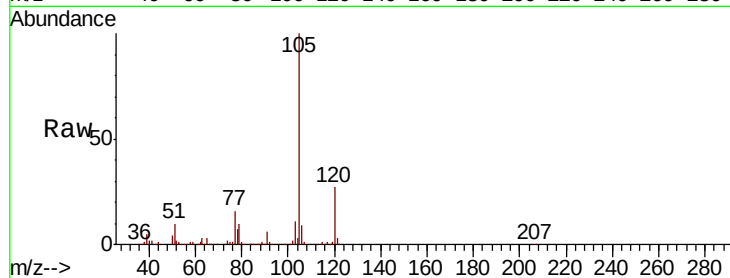
120 26.8 13.6 40.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.085 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Tgt Ion: 43 Resp: 123975

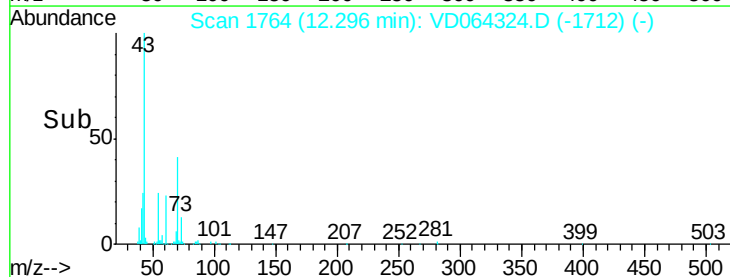
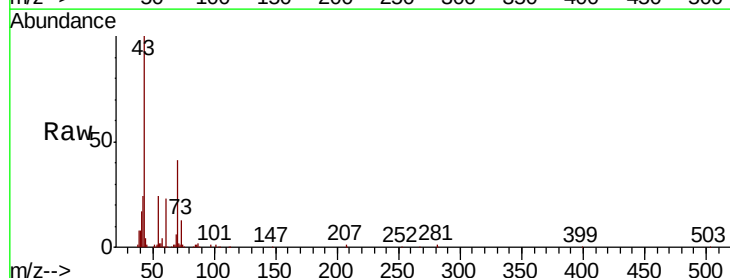
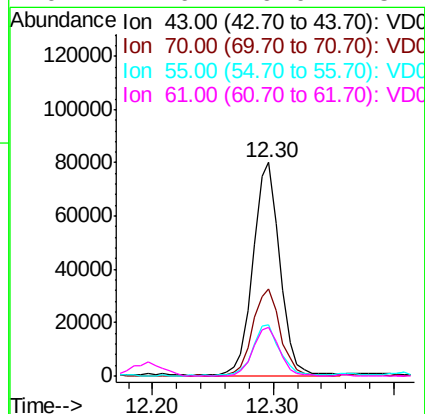
Ion Ratio Lower Upper

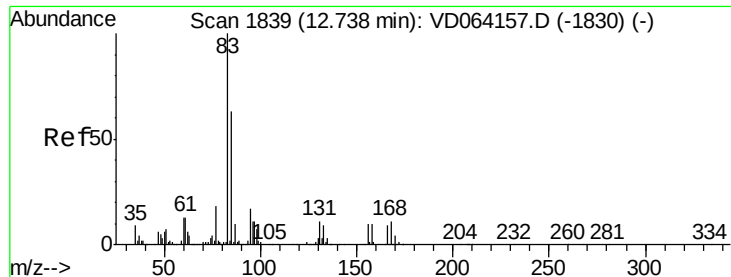
43 100

70 42.0 32.4 48.6

55 23.8 17.9 26.9

61 22.6 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.804 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA\_D

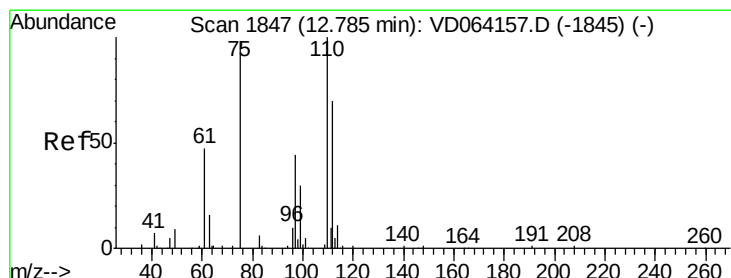
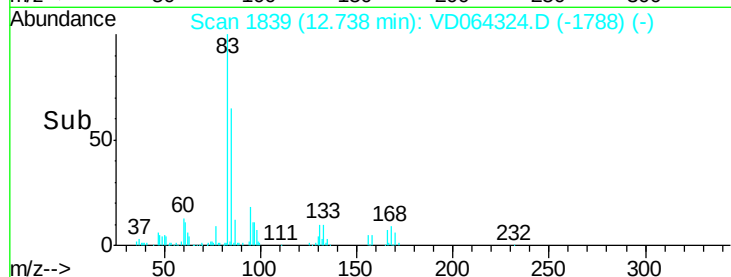
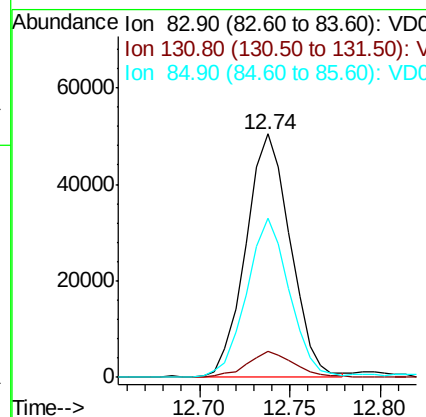
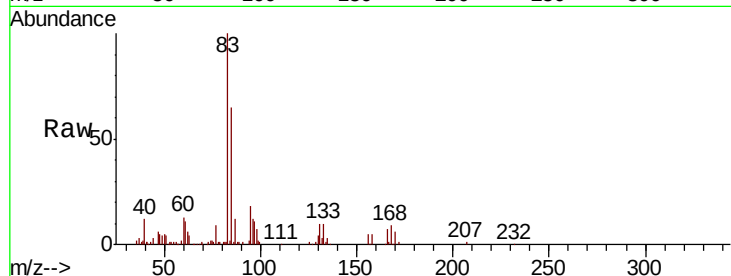
ClientSampleId :

VD1121SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 86234 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 11.1  | 5.9   | 17.7  |
| 85        | 63.1  | 32.5  | 97.5  |

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#76

1,2,3-Trichloropropane

Concen: 19.240 ug/l m

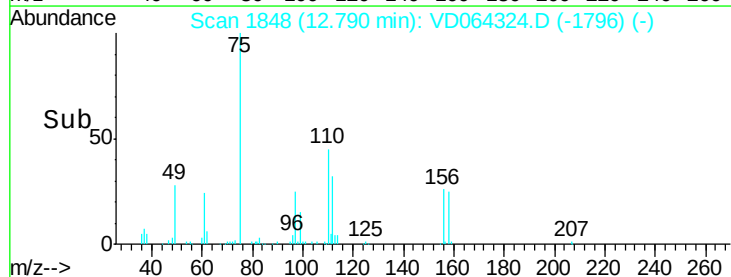
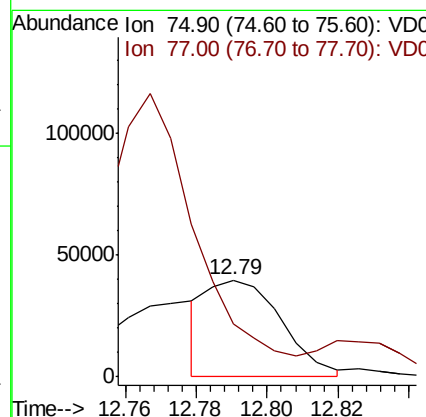
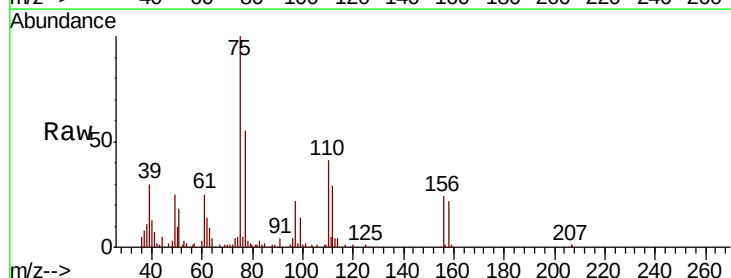
RT: 12.79 min Scan# 1848

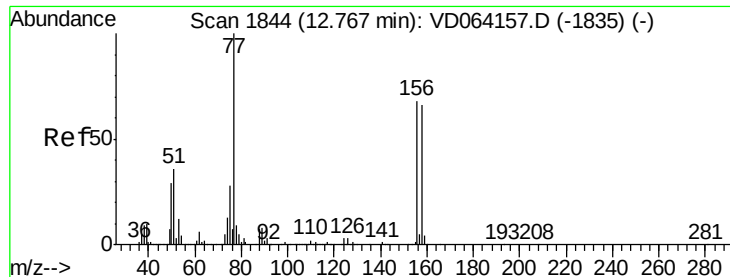
Delta R.T. 0.01 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 58081 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 20.049 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA\_D

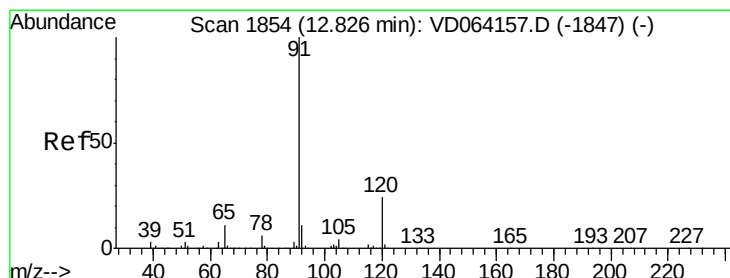
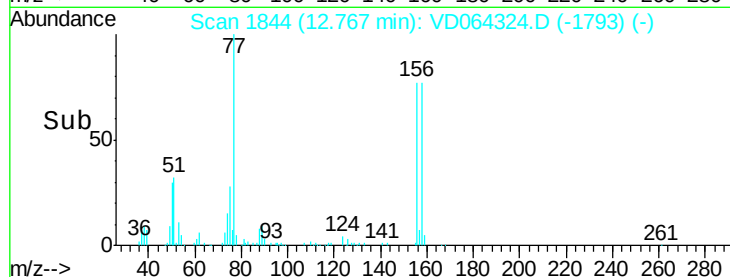
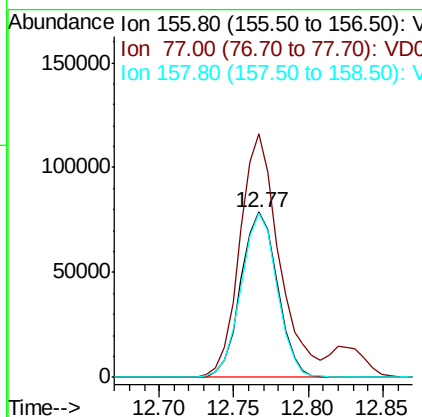
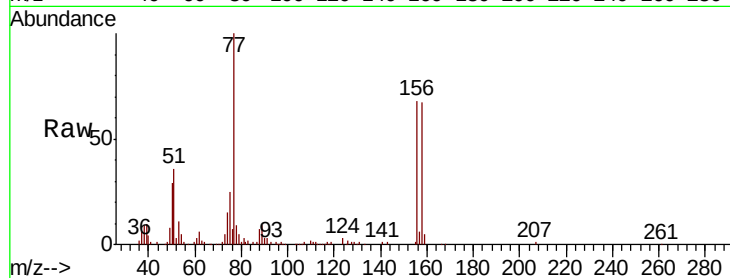
ClientSampleId :

VD1121SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 133986 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 158.3 | 81.2  | 243.4  |
| 158       | 97.5  | 48.4  | 145.2  |

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#78

n-propylbenzene

Concen: 19.954 ug/l

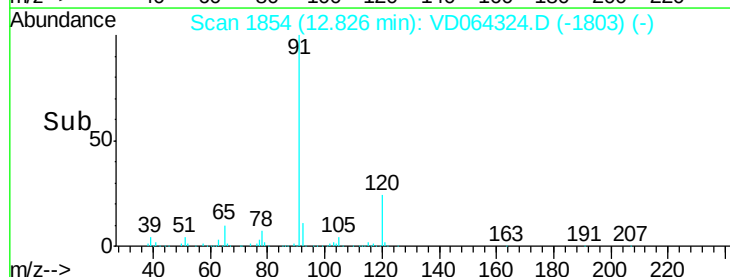
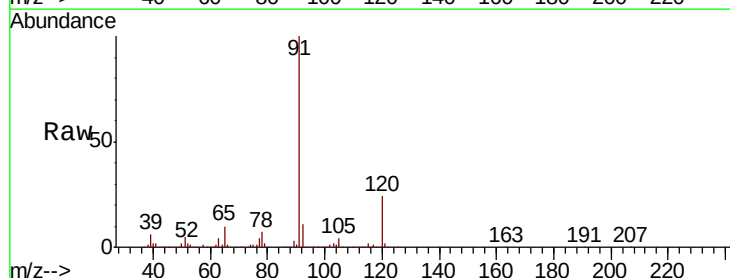
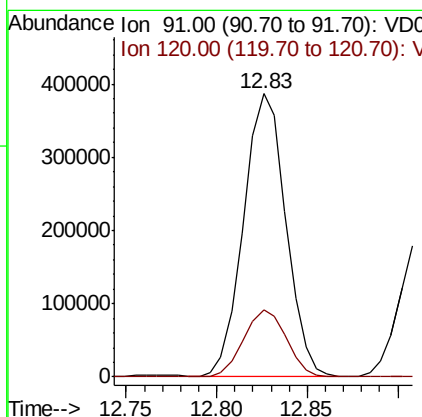
RT: 12.83 min Scan# 1854

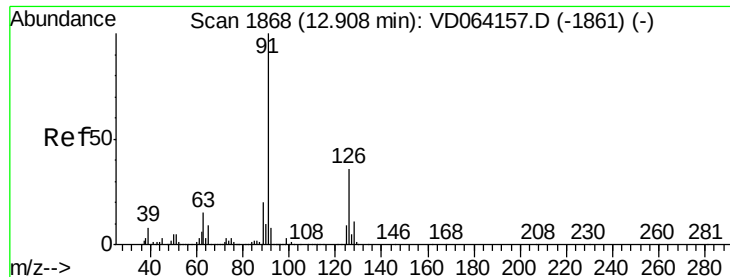
Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 627134 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.9  | 11.8  | 35.4   |





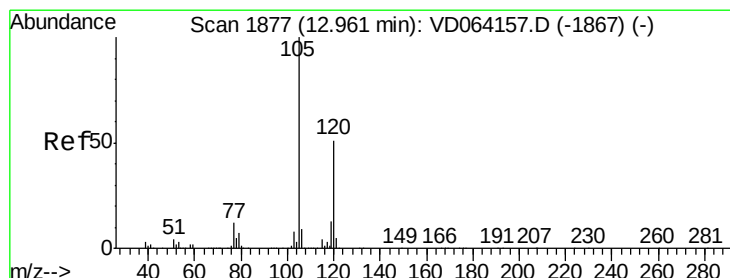
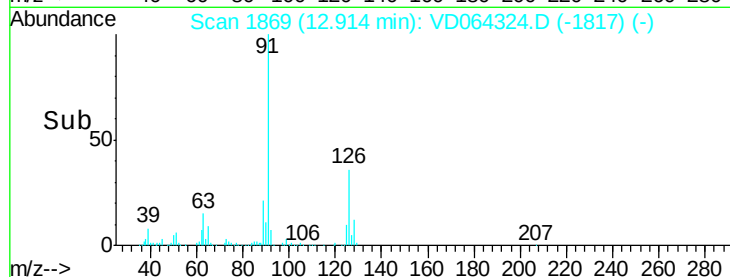
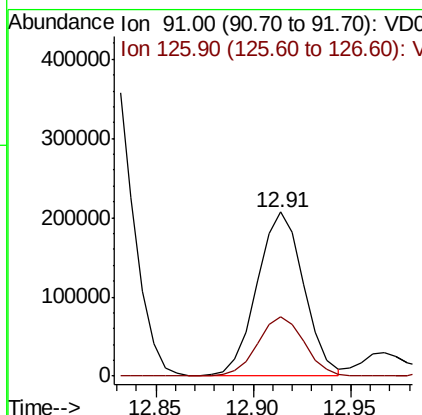
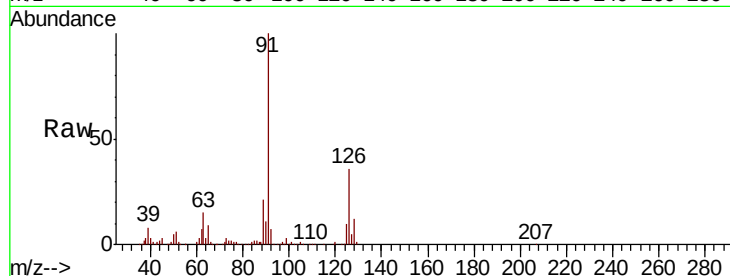
#79  
2-Chlorotoluene  
Concen: 19.285 ug/l  
RT: 12.91 min Scan# 1869  
Delta R.T. 0.01 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1121SBS01

Tot Ion: 91 Resp: 342196  
Ion Ratio Lower Upper  
91 100  
126 36.0 17.7 53.1

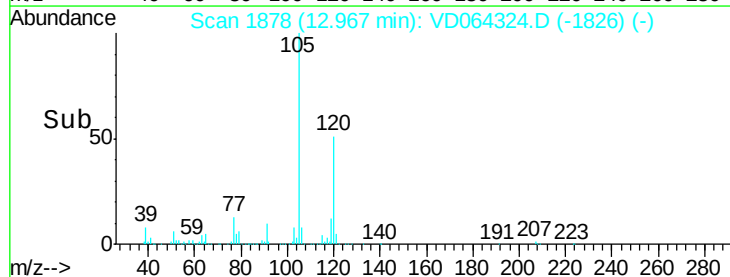
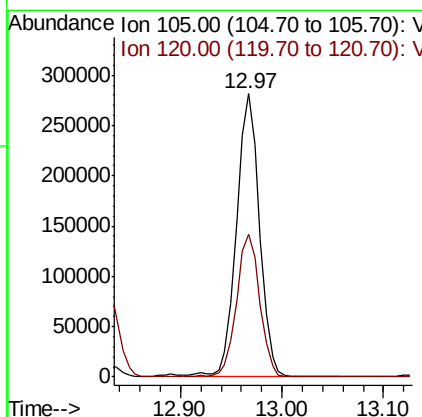
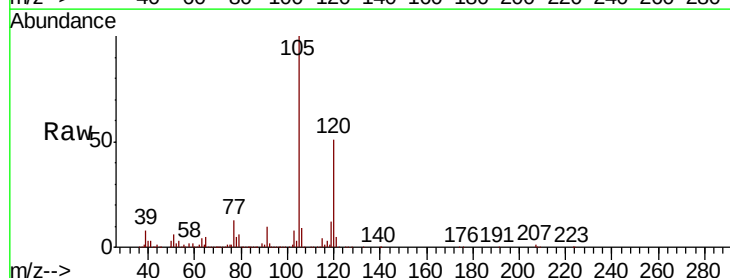
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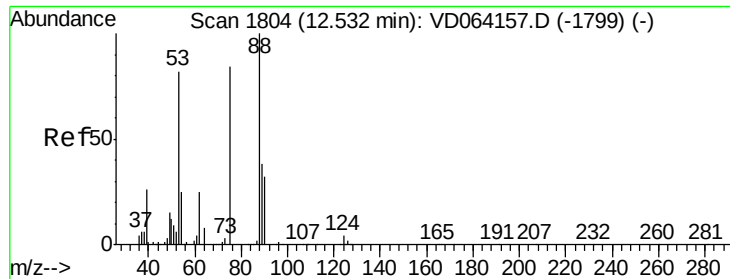
MMDadoda  
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#80  
1,3,5-Trimethylbenzene  
Concen: 19.624 ug/l  
RT: 12.97 min Scan# 1878  
Delta R.T. 0.01 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

Tgt Ion: 105 Resp: 443582  
Ion Ratio Lower Upper  
105 100  
120 50.7 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.375 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA\_D

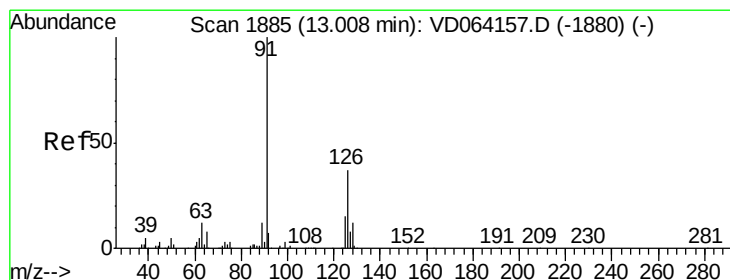
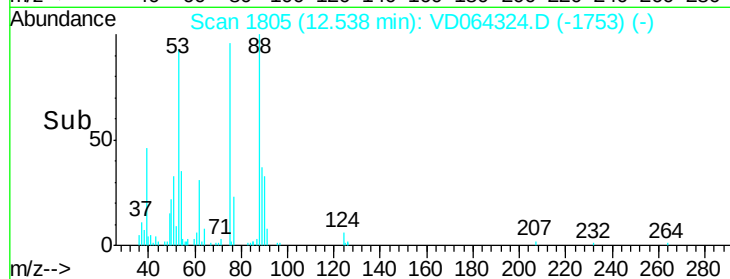
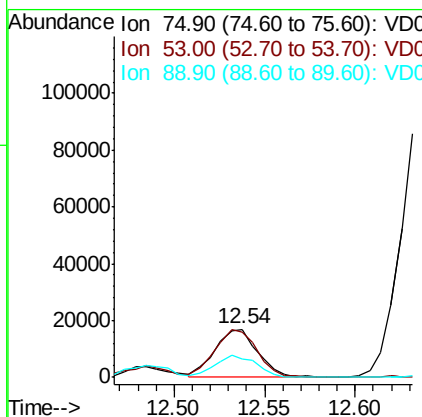
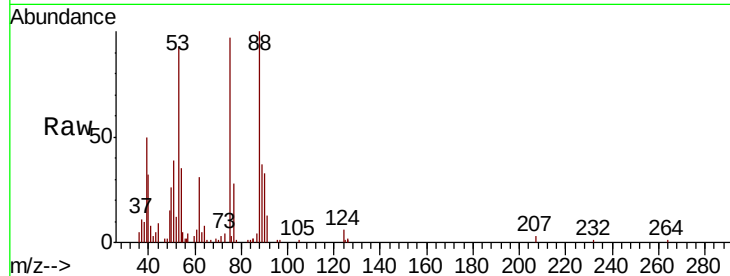
ClientSampleId :

VD1121SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 27924 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 99.1  | 79.4  | 119.0 |
| 89       | 44.5  | 36.6  | 55.0  |

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#82

4-Chlorotoluene

Concen: 19.356 ug/l

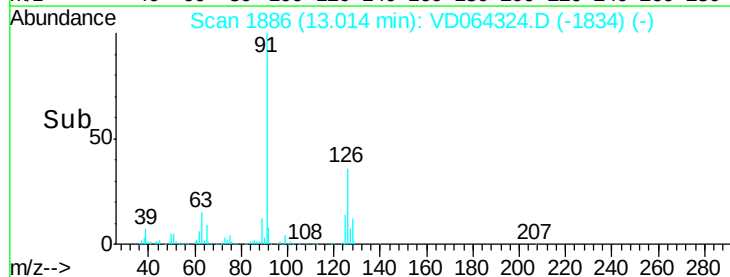
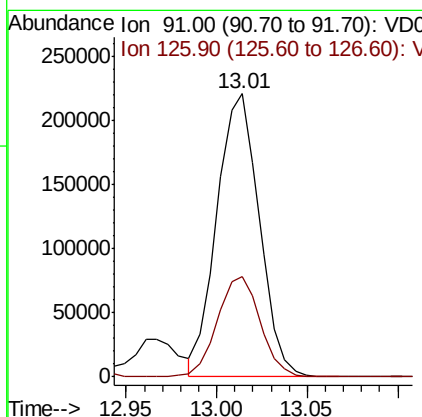
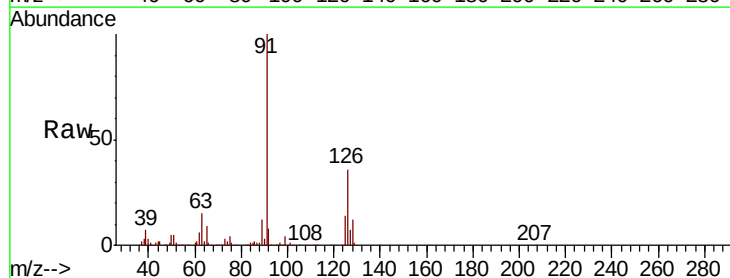
RT: 13.01 min Scan# 1886

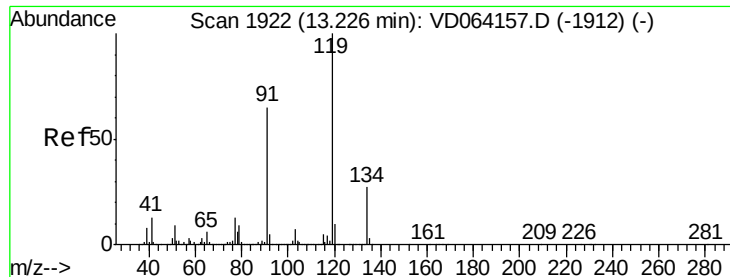
Delta R.T. 0.01 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 358226 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 35.9  | 17.8  | 53.4   |





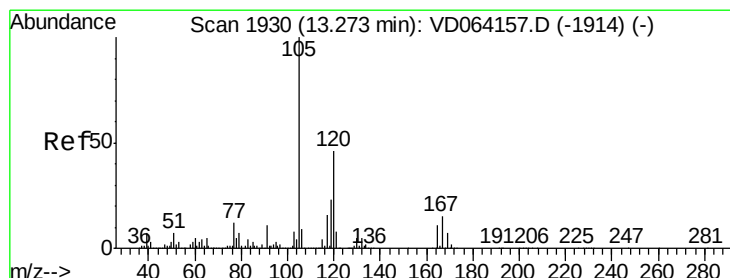
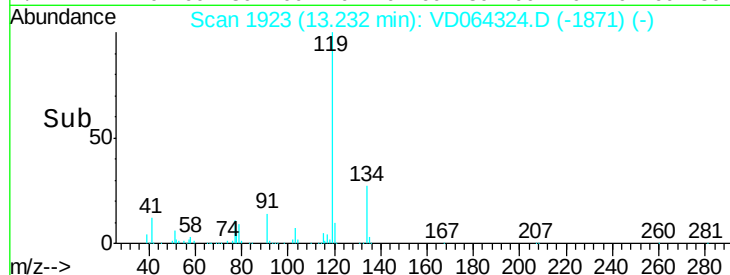
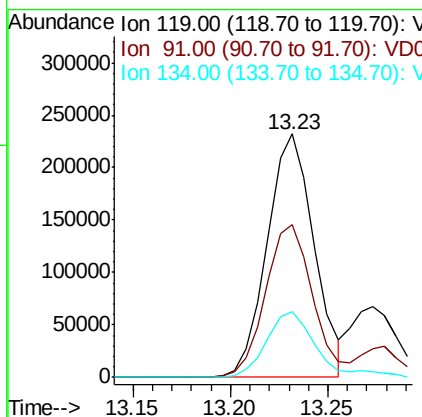
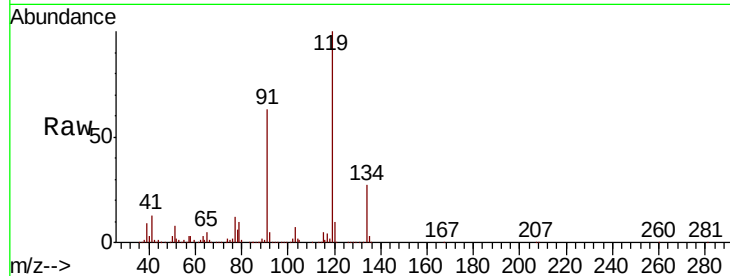
#83  
 tert-Butylbenzene  
 Concen: 19.405 ug/l  
 RT: 13.23 min Scan# 1923  
 Delta R.T. 0.01 min  
 Lab File: VD064324.D  
 Acq: 21 Nov 2019 15:01

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1121SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 63.6  | 31.8  | 95.4  |
| 134     | 28.6  | 13.7  | 41.0  |

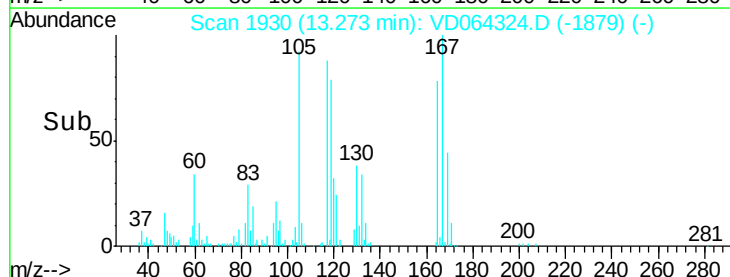
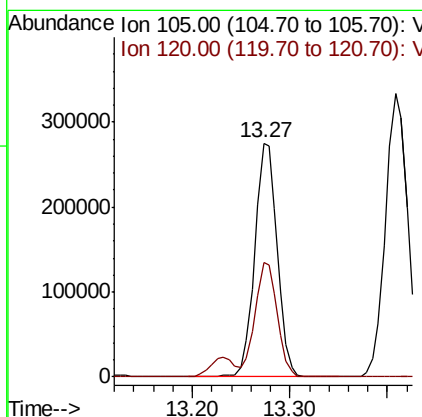
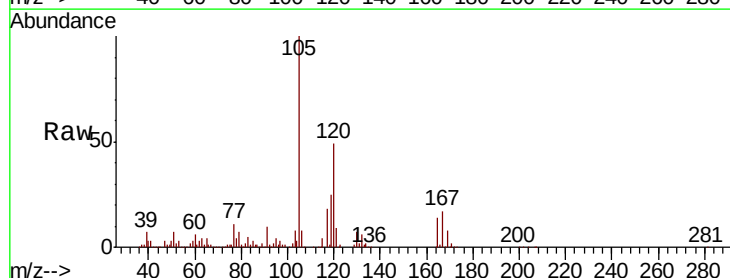
Manual Integrations  
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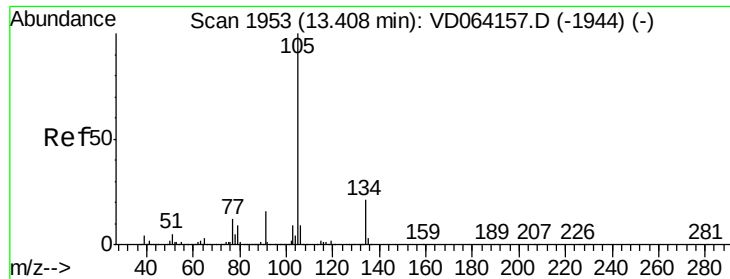
MMDadoda  
 11/23/2019 6:11:36 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.092 ug/l  
 RT: 13.27 min Scan# 1930  
 Delta R.T. -0.00 min  
 Lab File: VD064324.D  
 Acq: 21 Nov 2019 15:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 47.9  | 23.3  | 69.8  |





#85

sec-Butylbenzene

Concen: 19.737 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

Instrument :

MSVOA\_D

ClientSampleId :

VD1121SBS01

Tot Ion:105 Resp: 528369

Ion Ratio Lower Upper

105 100

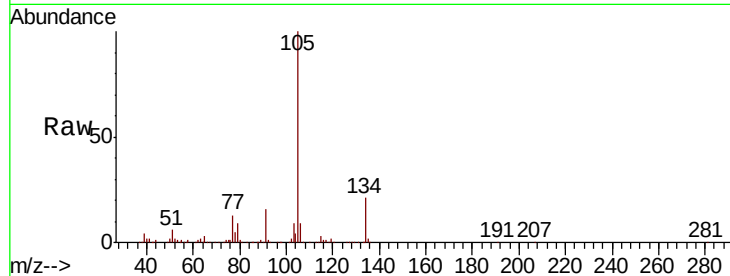
134 21.0 10.7 31.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

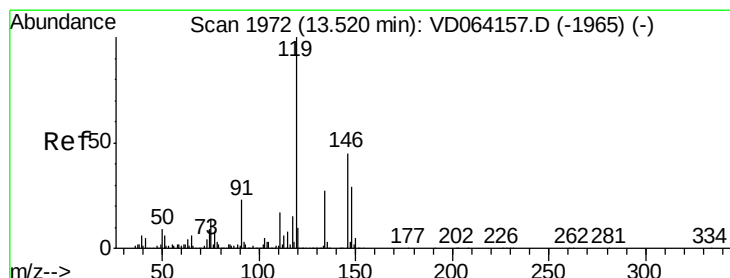
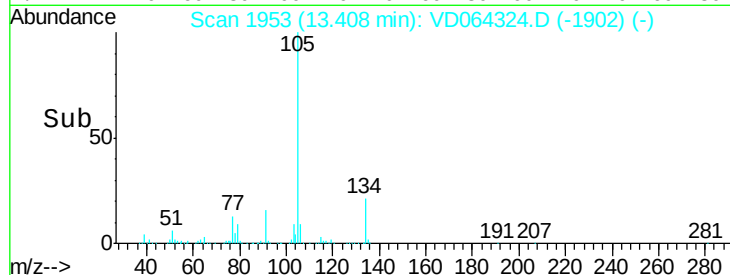
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.452 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064324.D

Acq: 21 Nov 2019 15:01

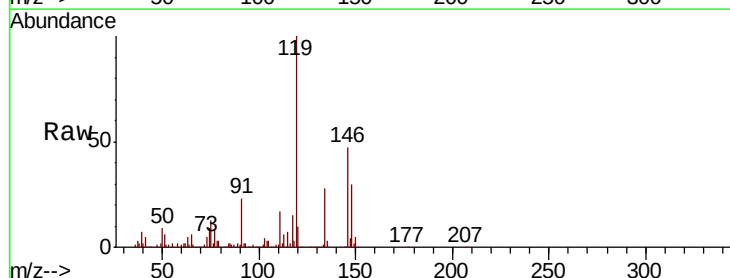
Tgt Ion:119 Resp: 495062

Ion Ratio Lower Upper

119 100

134 27.4 13.5 40.5

91 22.1 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

400000

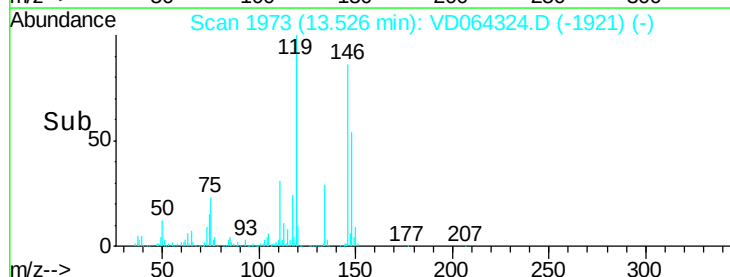
300000

200000

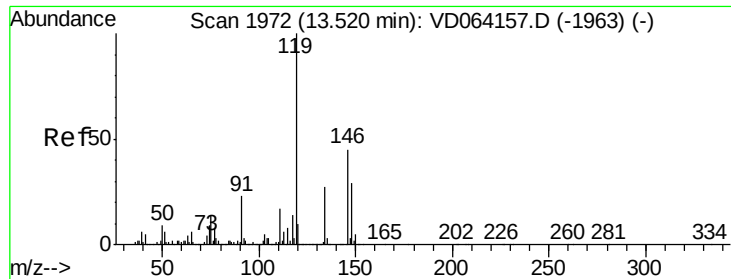
100000

0

Time-->







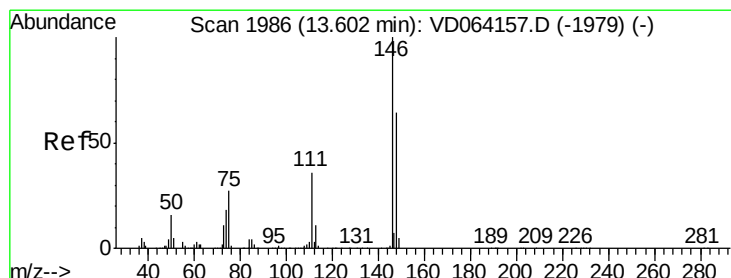
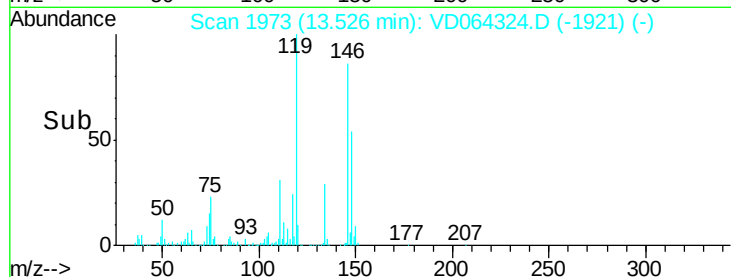
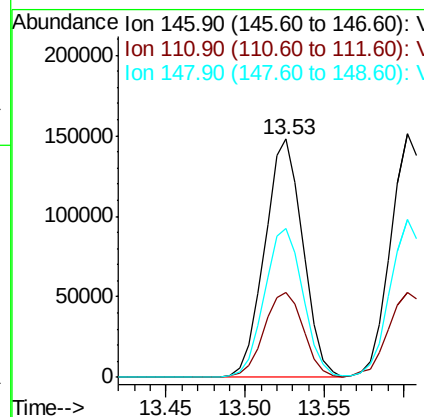
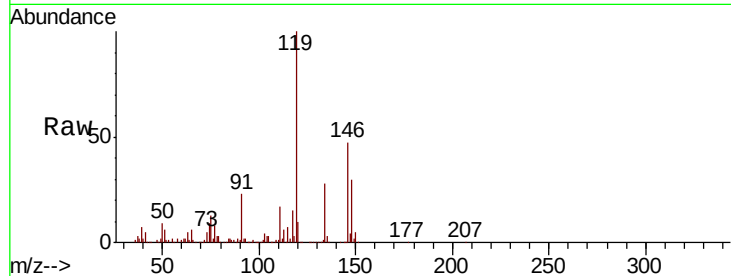
#87  
 1,3-Dichlorobenzene  
 Concen: 19.951 ug/l  
 RT: 13.53 min Scan# 1973  
 Delta R.T. 0.01 min  
 Lab File: VD064324.D  
 Acq: 21 Nov 2019 15:01

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1121SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.6  | 18.9  | 56.9  |
| 148     | 63.4  | 32.1  | 96.5  |

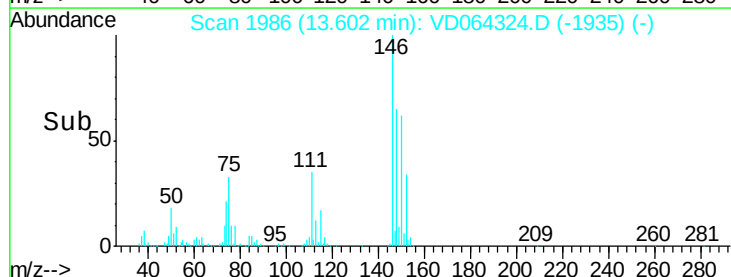
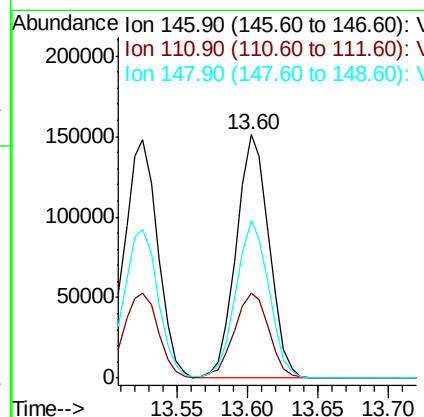
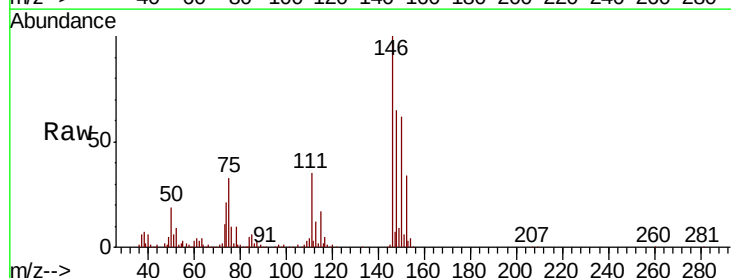
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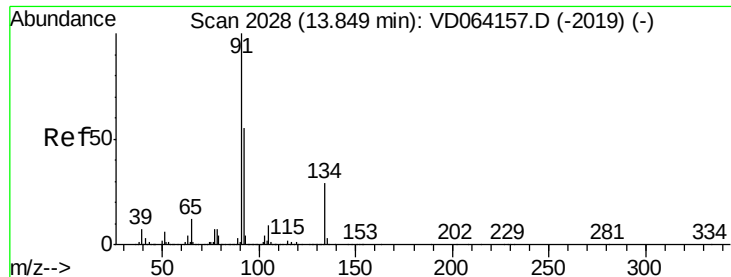
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 20.238 ug/l  
 RT: 13.60 min Scan# 1986  
 Delta R.T. -0.00 min  
 Lab File: VD064324.D  
 Acq: 21 Nov 2019 15:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.3  | 18.1  | 54.4  |
| 148     | 65.2  | 31.9  | 95.7  |





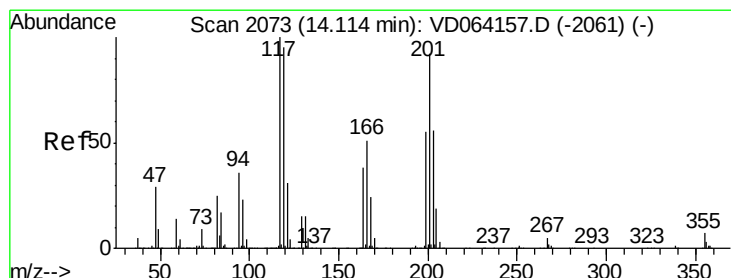
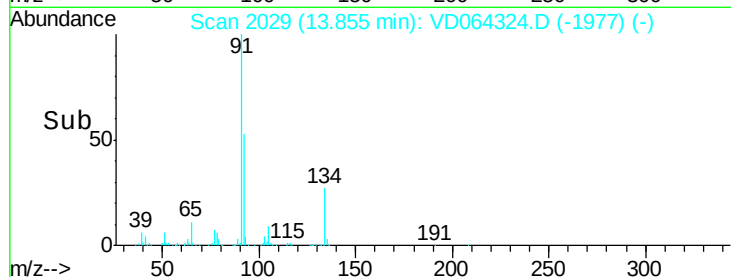
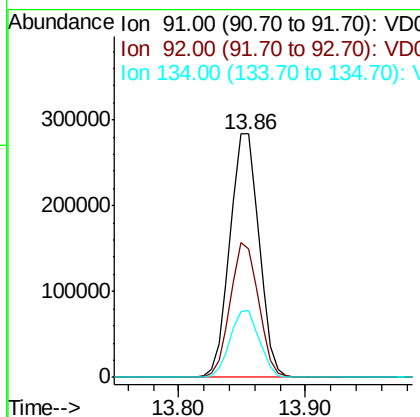
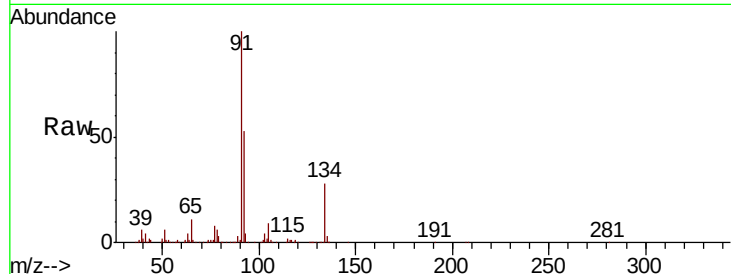
#89  
n-Butylbenzene  
Concen: 19.638 ug/l  
RT: 13.86 min Scan# 2029  
Delta R.T. 0.01 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1121SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.7  | 27.3  | 81.8  |
| 134     | 27.8  | 14.1  | 42.4  |

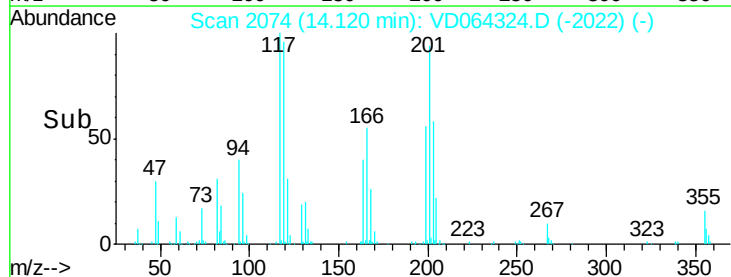
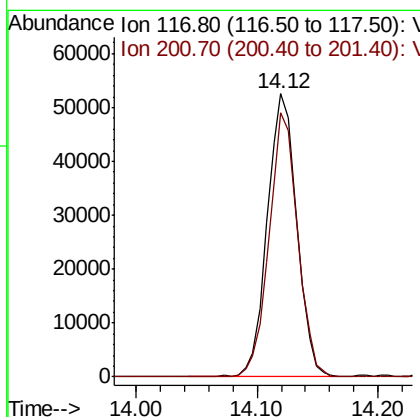
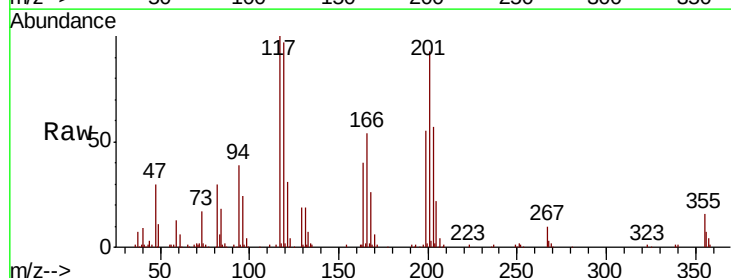
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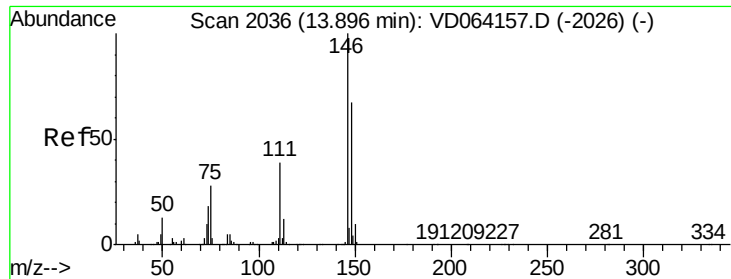
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#90  
Hexachloroethane  
Concen: 19.001 ug/l  
RT: 14.12 min Scan# 2074  
Delta R.T. 0.01 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 90.2  | 45.8  | 137.4 |





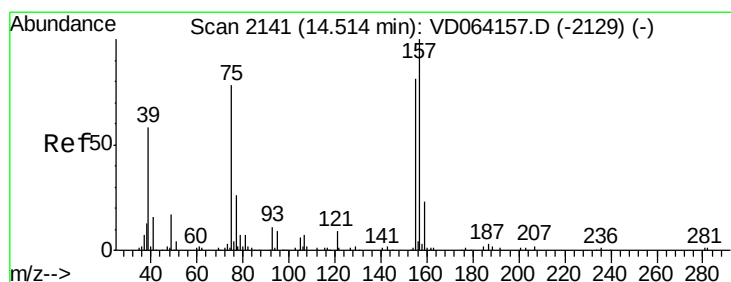
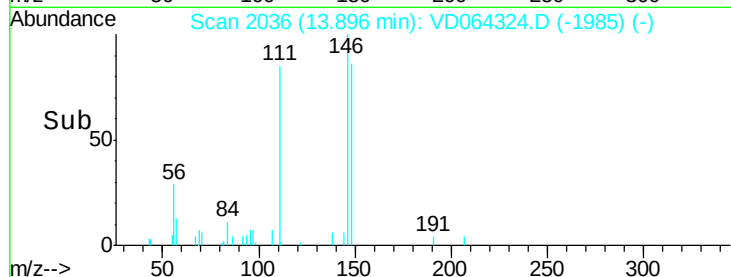
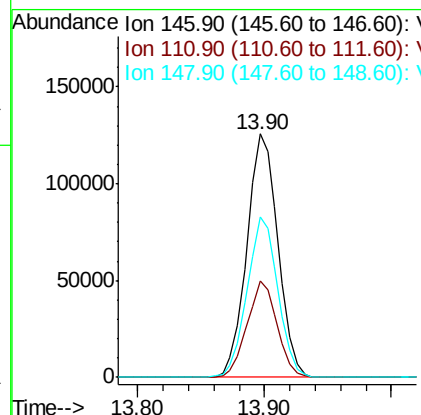
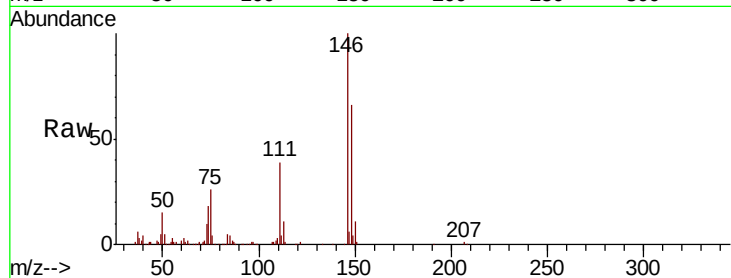
#91  
 1,2-Dichlorobenzene  
 Concen: 20.315 ug/l  
 RT: 13.90 min Scan# 2036  
 Delta R.T. -0.00 min  
 Lab File: VD064324.D  
 Acq: 21 Nov 2019 15:01

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1121SBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 213310 |       |       |
| 111     | 38.1  | 19.7   | 59.0  |       |
| 148     | 65.2  | 32.3   | 96.8  |       |

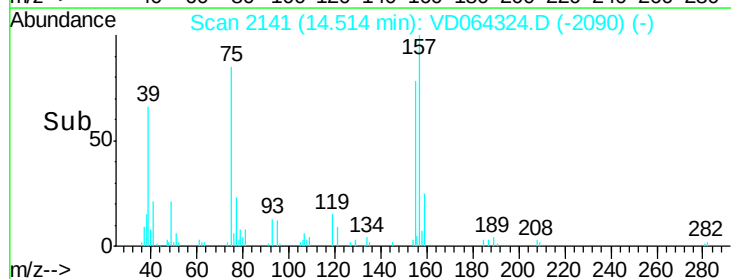
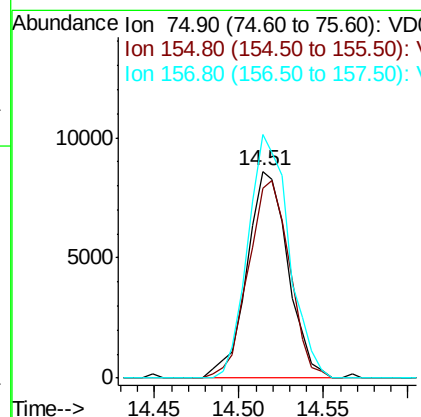
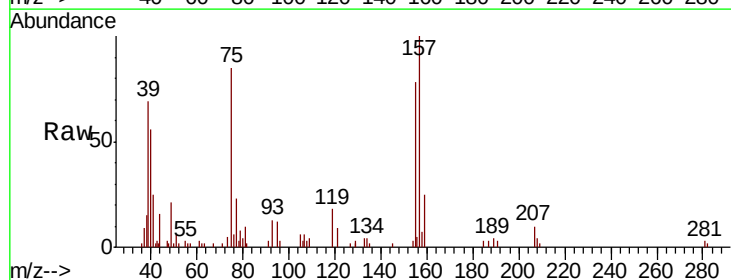
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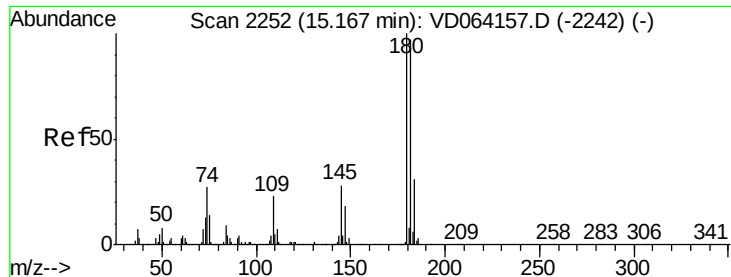
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.688 ug/l  
 RT: 14.51 min Scan# 2141  
 Delta R.T. -0.00 min  
 Lab File: VD064324.D  
 Acq: 21 Nov 2019 15:01

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 14591 |       |       |
| 155     | 95.6  | 48.0  | 144.0 |       |
| 157     | 117.4 | 61.5  | 184.4 |       |





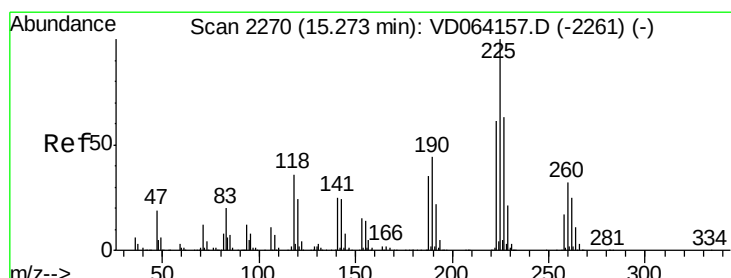
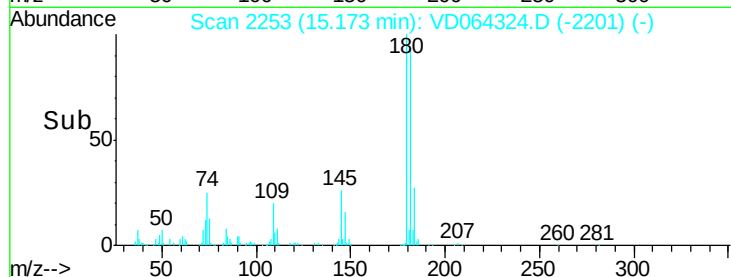
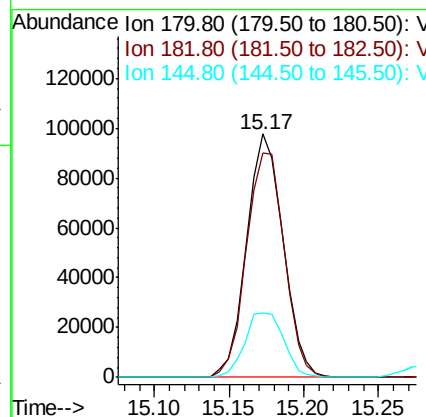
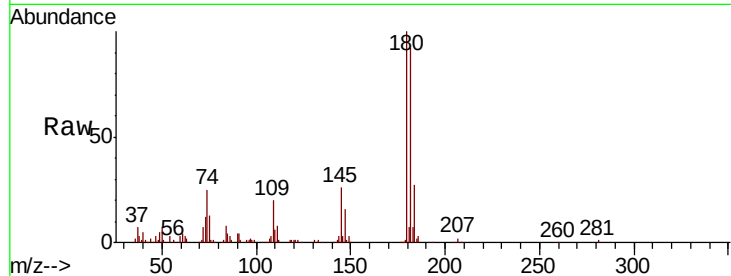
#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.450 ug/l  
 RT: 15.17 min Scan# 2253  
 Delta R.T. 0.01 min  
 Lab File: VD064324.D  
 Acq: 21 Nov 2019 15:01

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1121SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 165645 |       |       |
| 182     | 95.7  | 47.5   | 142.5 |       |
| 145     | 28.4  | 14.2   | 42.6  |       |

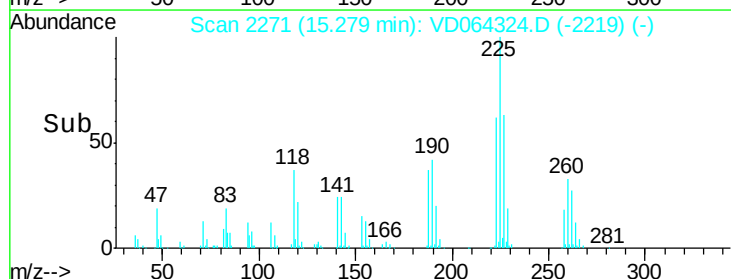
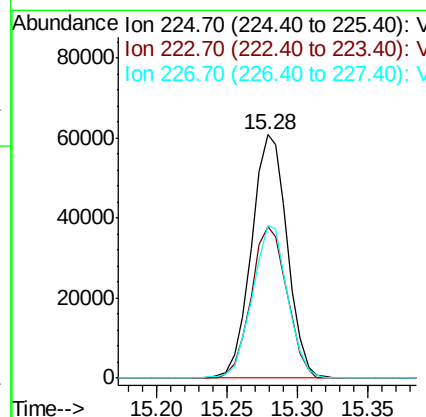
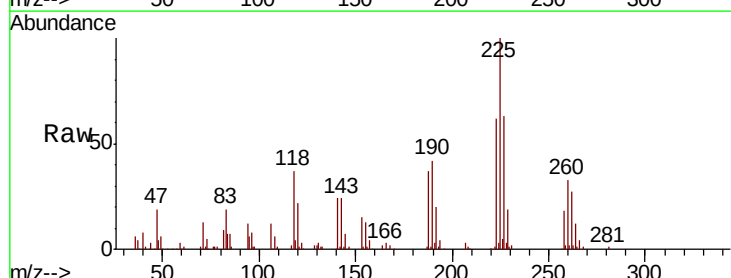
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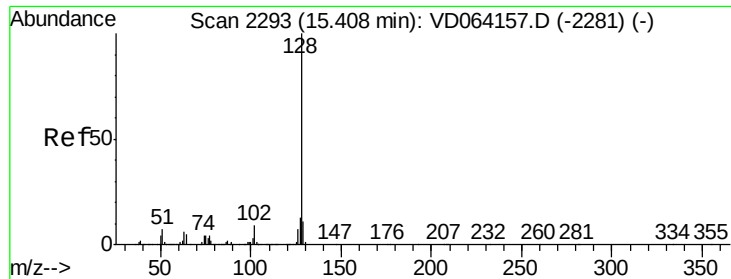
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#94  
 Hexachlorobutadiene  
 Concen: 20.607 ug/l  
 RT: 15.28 min Scan# 2271  
 Delta R.T. 0.01 min  
 Lab File: VD064324.D  
 Acq: 21 Nov 2019 15:01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 107814 |       |       |
| 223     | 62.6  | 31.1   | 93.3  |       |
| 227     | 62.1  | 31.5   | 94.5  |       |





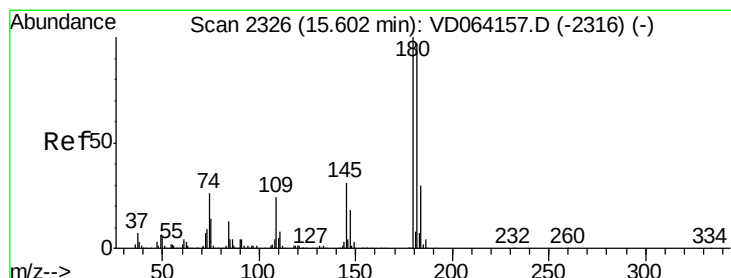
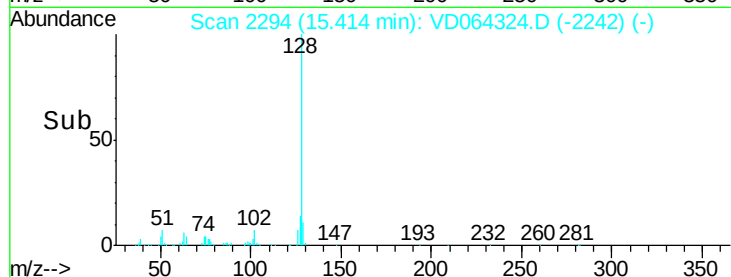
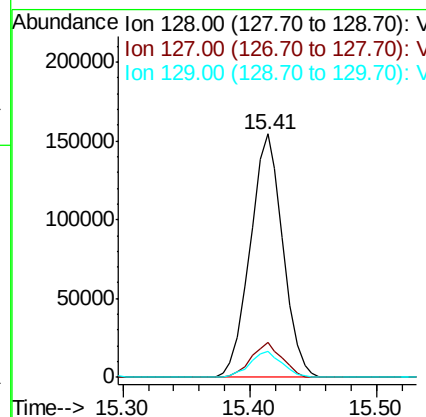
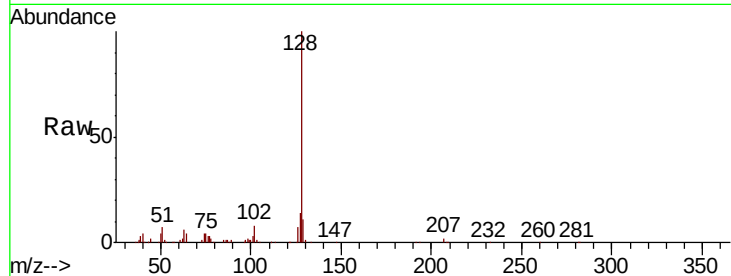
#95  
Naphthalene  
Concen: 20.815 ug/l  
RT: 15.41 min Scan# 2294  
Delta R.T. 0.01 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1121SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 276375 |       |       |
| 127     | 13.8  |        | 10.5  | 15.7  |
| 129     | 10.6  |        | 8.6   | 13.0  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 20.165 ug/l  
RT: 15.61 min Scan# 2327  
Delta R.T. 0.01 min  
Lab File: VD064324.D  
Acq: 21 Nov 2019 15:01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 138839 |       |       |
| 182     | 96.0  |        | 48.3  | 144.9 |
| 145     | 30.7  |        | 15.3  | 45.8  |

