

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120720\  
 Data File : VD067902.D  
 Acq On : 07 Dec 2020 16:25  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 12/8/2020 5:05:45 PM

Quant Time: Dec 08 03:52:37 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D120120S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 02 08:05:58 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 213258   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 304067   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 276943   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 144016   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 33) 1,2-Dichloroethane-d4 | 8.34   | 65    | 110129   | 48.10    | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 50 - 163 | Recovery | =    | 96.20%  |
| 35) Dibromofluoromethane  | 7.92   | 113   | 99511    | 48.91    | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 54 - 147 | Recovery | =    | 97.82%  |
| 50) Toluene-d8            | 10.34  | 98    | 362093   | 49.44    | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 49 - 140 | Recovery | =    | 98.88%  |
| 62) 4-Bromofluorobenzene  | 12.64  | 95    | 129815   | 51.27    | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 25 - 144 | Recovery | =    | 102.54% |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 92729  | 49.964  | ug/l   | 99     |
| 3) Chloromethane              | 2.21 | 50  | 48349  | 45.140  | ug/l   | 98     |
| 4) Vinyl Chloride             | 2.36 | 62  | 67779  | 50.246  | ug/l   | 99     |
| 5) Bromomethane               | 2.78 | 94  | 66983  | 55.623  | ug/l   | 88     |
| 6) Chloroethane               | 2.93 | 64  | 45286  | 51.562  | ug/l   | 93     |
| 7) Trichlorofluoromethane     | 3.28 | 101 | 203332 | 49.259  | ug/l   | 96     |
| 8) Diethyl Ether              | 3.71 | 74  | 36834  | 45.783  | ug/l   | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.10 | 101 | 89457  | 47.526  | ug/l   | 97     |
| 10) Methyl Iodide             | 4.31 | 142 | 90107  | 45.164  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 5.21 | 59  | 23860  | 188.605 | ug/l # | 91     |
| 12) 1,1-Dichloroethene        | 4.07 | 96  | 82607  | 46.746  | ug/l   | 93     |
| 13) Acrolein                  | 3.92 | 56  | 18812  | 213.824 | ug/l   | 97     |
| 14) Allyl chloride            | 4.72 | 41  | 78154  | 47.806  | ug/l   | 94     |
| 15) Acrylonitrile             | 5.43 | 53  | 61951  | 222.072 | ug/l   | 98     |
| 16) Acetone                   | 4.16 | 43  | 61015  | 215.676 | ug/l   | 95     |
| 17) Carbon Disulfide          | 4.41 | 76  | 225579 | 45.720  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.71 | 43  | 27694  | 52.194  | ug/l   | 97     |
| 19) Methyl tert-butyl Ether   | 5.48 | 73  | 183377 | 48.461  | ug/l   | 93     |
| 20) Methylene Chloride        | 4.97 | 84  | 90942  | 49.593  | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene  | 5.48 | 96  | 96442  | 47.960  | ug/l   | 94     |
| 22) Diisopropyl ether         | 6.37 | 45  | 157838 | 48.004  | ug/l   | 95     |
| 23) Vinyl Acetate             | 6.31 | 43  | 450491 | 246.281 | ug/l   | 97     |
| 24) 1,1-Dichloroethane        | 6.27 | 63  | 137543 | 47.720  | ug/l   | 98     |
| 25) 2-Butanone                | 7.21 | 43  | 65044  | 218.593 | ug/l   | 95     |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 173489 | 50.477  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 106693 | 48.508  | ug/l   | 98     |
| 28) Bromochloromethane        | 7.55 | 49  | 44666  | 48.809  | ug/l   | 95     |
| 29) Tetrahydrofuran           | 7.56 | 42  | 37474  | 221.184 | ug/l   | 97     |
| 30) Chloroform                | 7.71 | 83  | 185138 | 48.065  | ug/l   | 99     |
| 31) Cyclohexane               | 7.98 | 56  | 105997 | 43.945  | ug/l   | 88     |
| 32) 1,1,1-Trichloroethane     | 7.91 | 97  | 202659 | 49.842  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 8.12 | 75  | 130013 | 49.392  | ug/l   | 98     |
| 37) Ethyl Acetate             | 7.30 | 43  | 30810  | 43.428  | ug/l   | 97     |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 194498 | 48.835  | ug/l   | 96     |

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 12/8/2020 5:05:45 PM

Quant Time: Dec 08 03:52:37 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D120120S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 02 08:05:58 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.36  | 83   | 152192   | 48.789  | ug/l   | 96       |
| 40) Benzene                    | 8.36  | 78   | 348371   | 48.367  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.53  | 41   | 15118    | 44.370  | ug/l # | 67       |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 124749   | 48.596  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.45  | 43   | 64970    | 46.543  | ug/l   | 98       |
| 44) Trichloroethene            | 9.12  | 130  | 120275   | 48.569  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 67676    | 45.779  | ug/l   | 93       |
| 46) Dibromomethane             | 9.48  | 93   | 47505    | 46.219  | ug/l   | 96       |
| 47) Bromodichloromethane       | 9.67  | 83   | 143334   | 48.916  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.46  | 41   | 32549    | 45.920  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.46  | 88   | 9861     | 839.623 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 151439   | 229.222 | ug/l   | 100      |
| 52) Toluene                    | 10.41 | 92   | 248462   | 49.339  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.63 | 75   | 122401   | 48.397  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene    | 10.10 | 75   | 133452   | 48.510  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 65050    | 46.246  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.67 | 69   | 67003    | 46.818  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 100880   | 45.276  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 167803   | 257.675 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.99 | 43   | 106297   | 228.236 | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.14 | 129  | 101903   | 48.060  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 65314    | 47.218  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.88 | 164  | 107631   | 47.646  | ug/l   | 95       |
| 65) Chlorobenzene              | 11.67 | 112  | 280233   | 49.040  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.75 | 131  | 115129   | 49.397  | ug/l   | 97       |
| 67) Ethyl Benzene              | 11.75 | 91   | 490637   | 50.402  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.86 | 106  | 377199   | 98.270  | ug/l   | 100      |
| 69) o-Xylene                   | 12.18 | 106  | 178480   | 52.377  | ug/l   | 97       |
| 70) Styrene                    | 12.20 | 104  | 298515   | 50.379  | ug/l   | 99       |
| 71) Bromoform                  | 12.37 | 173  | 61067    | 49.498  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.48 | 105  | 505050   | 50.995  | ug/l   | 98       |
| 74) N-amyl acetate             | 12.29 | 43   | 54437    | 44.436  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.73 | 83   | 58297    | 44.584  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.78 | 75   | 48386m   | 46.136  | ug/l   |          |
| 77) Bromobenzene               | 12.77 | 156  | 121739   | 49.443  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.83 | 91   | 549536   | 50.062  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 317297   | 49.134  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.97 | 105  | 438260   | 51.110  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.54 | 75   | 19110    | 43.587  | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 339972   | 49.353  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 372798   | 51.090  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 428986   | 50.310  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.41 | 105  | 481504   | 49.440  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.52 | 119  | 485358   | 50.849  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.52 | 146  | 226041   | 47.592  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 228243   | 48.035  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.85 | 91   | 402903   | 50.808  | ug/l   | 100      |
| 90) Hexachloroethane           | 14.11 | 117  | 84073    | 47.708  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 201833   | 48.997  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51 | 75   | 12757    | 46.748  | ug/l   | 88       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120720\  
Data File : VD067902.D  
Acq On : 07 Dec 2020 16:25  
Operator : VA/SY  
Sample : VSTDCCC050  
Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

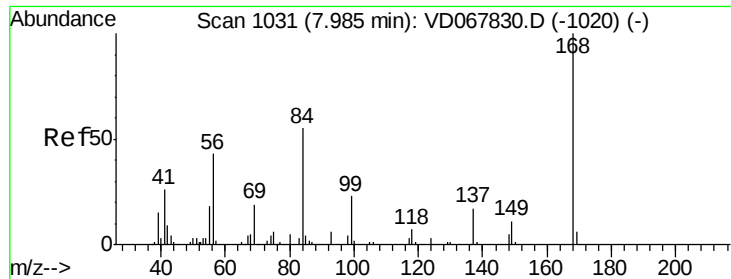
MMDadoda  
12/8/2020 5:05:45 PM

Quant Time: Dec 08 03:52:37 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D120120S.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 02 08:05:58 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 148052   | 51.381 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.27 | 225  | 94073    | 50.033 | ug/l  | 98       |
| 95) Naphthalene            | 15.41 | 128  | 228499   | 48.734 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.60 | 180  | 123651   | 49.691 | ug/l  | 98       |

(#) = 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: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 213258

Ion Ratio Lower Upper

168 100

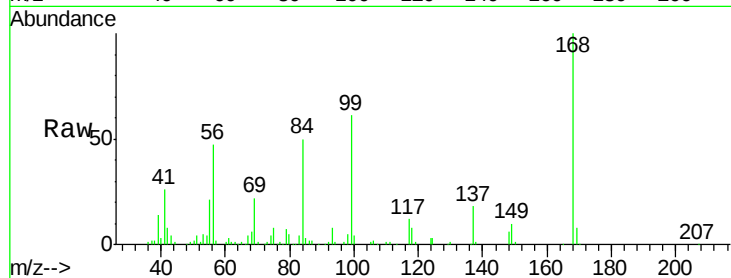
99 60.5 47.1 70.7

Manual Integrations

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12/8/2020 5:05:45 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

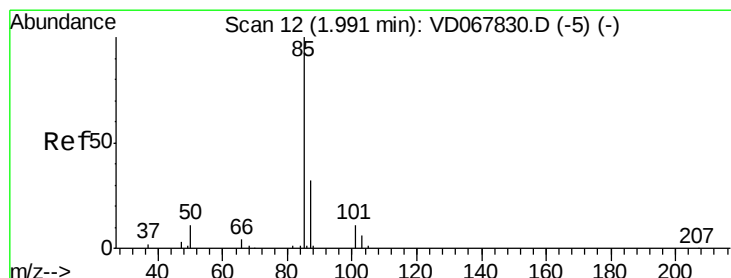
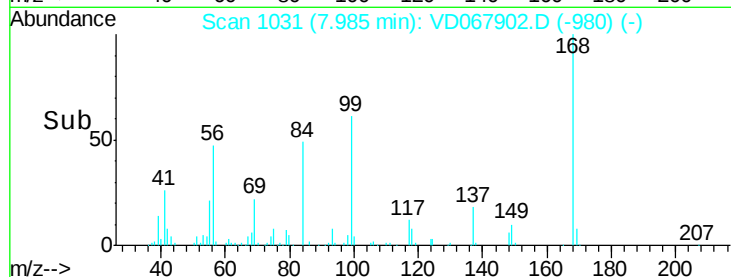
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.964 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD067902.D

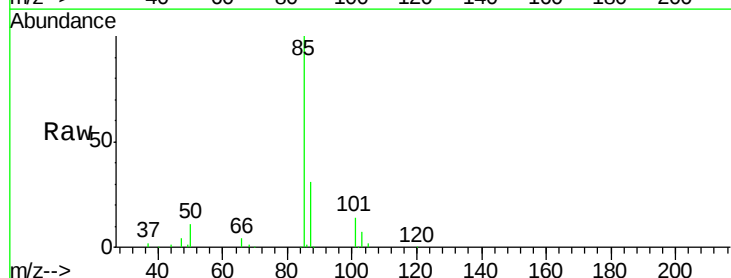
Acq: 07 Dec 2020 16:25

Tgt Ion: 85 Resp: 92729

Ion Ratio Lower Upper

85 100

87 31.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

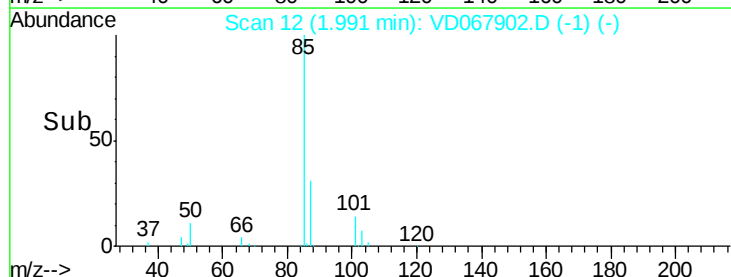
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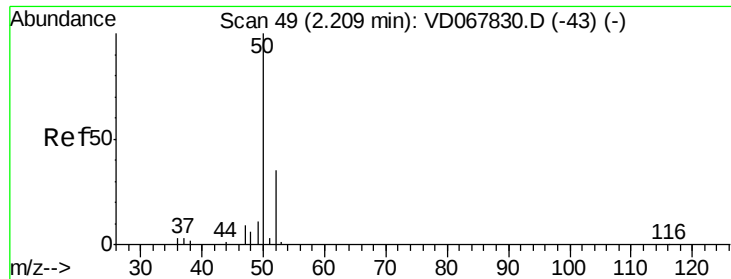
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 45.140 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 48349

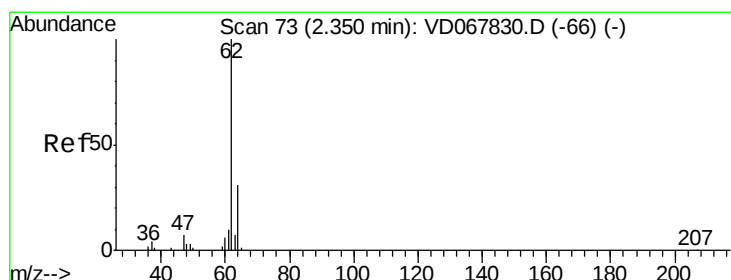
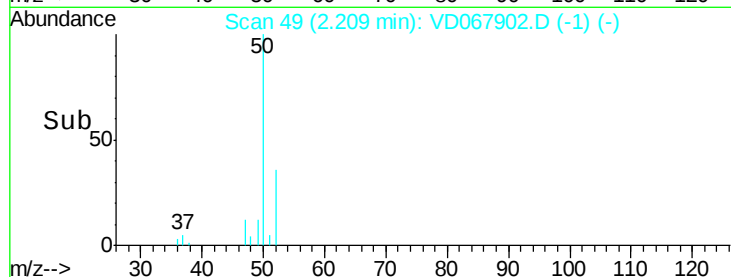
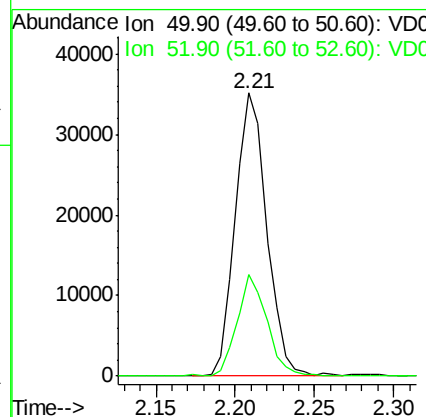
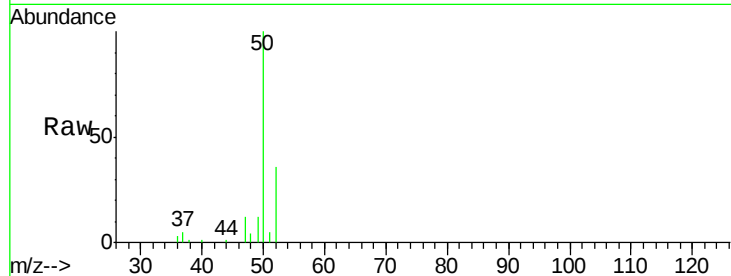
Ion Ratio Lower Upper

50 100

52 35.9 27.8 41.6

Manual Integrations  
APPROVED

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12/8/2020 5:05:45 PM



#4

Vinyl Chloride

Concen: 50.246 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067902.D

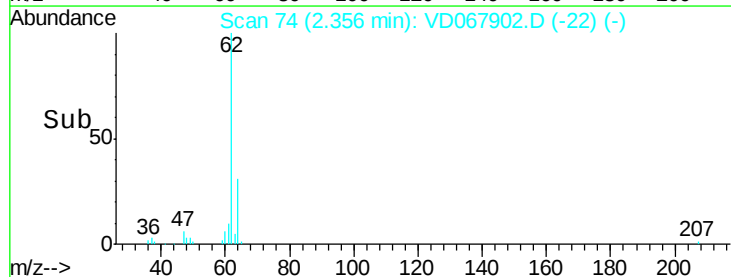
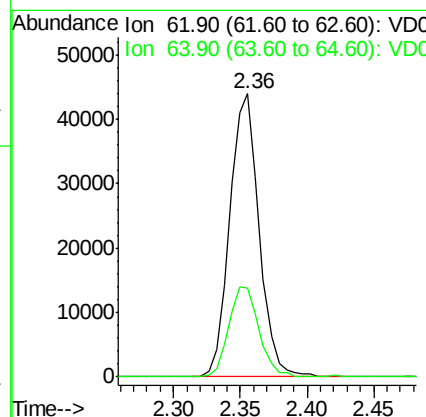
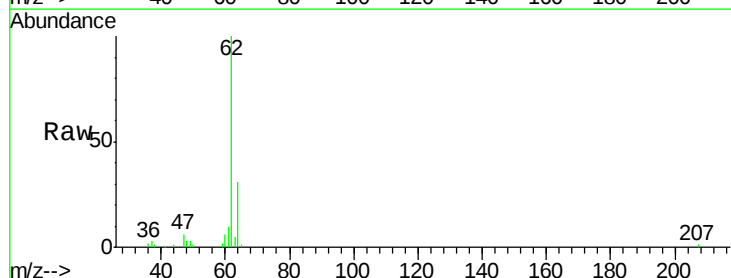
Acq: 07 Dec 2020 16:25

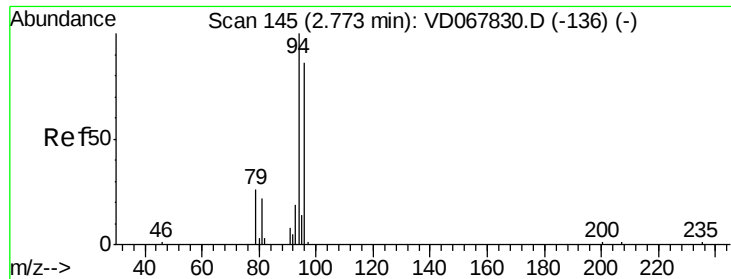
Tgt Ion: 62 Resp: 67779

Ion Ratio Lower Upper

62 100

64 31.4 24.5 36.7





#5

Bromomethane

Concen: 55.623 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 66983

Ion Ratio Lower Upper

94 100

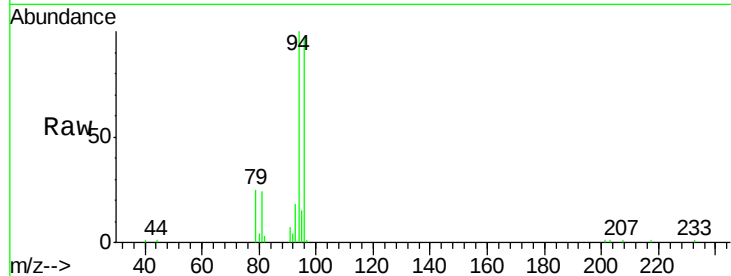
96 97.3 68.7 103.1

Manual Integrations

APPROVED

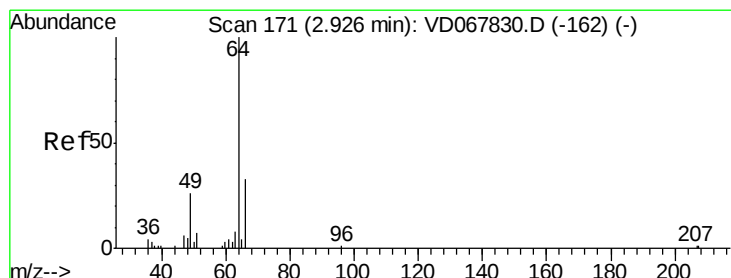
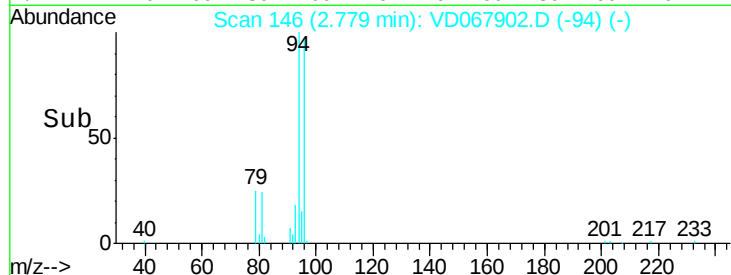
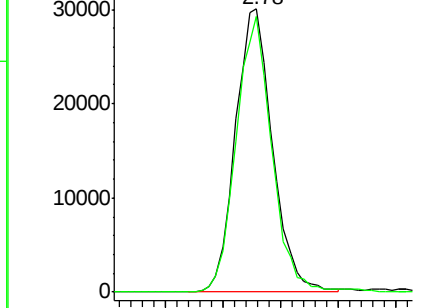
MMDadoda

12/8/2020 5:05:45 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 51.562 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD067902.D

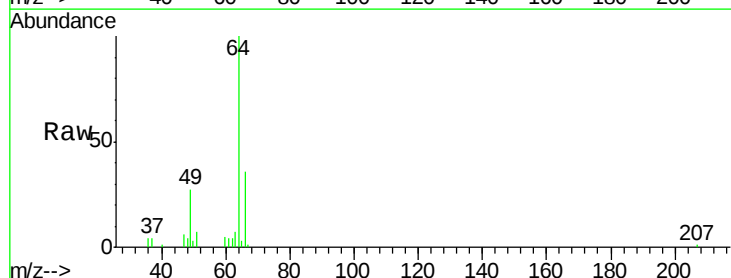
Acq: 07 Dec 2020 16:25

Tgt Ion: 64 Resp: 45286

Ion Ratio Lower Upper

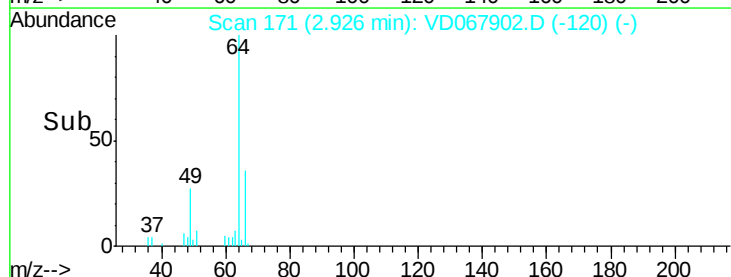
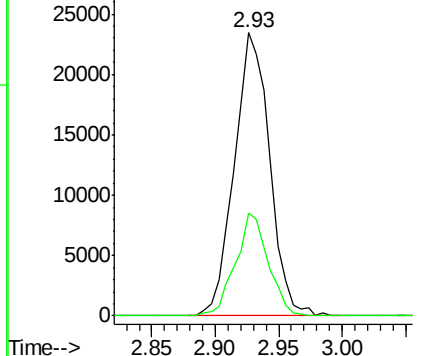
64 100

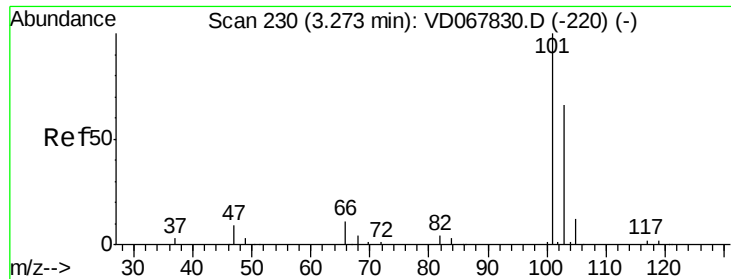
66 36.4 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

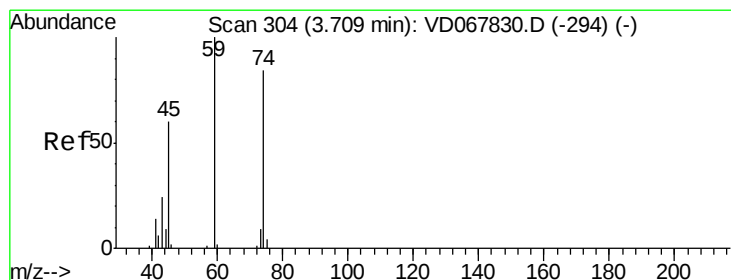
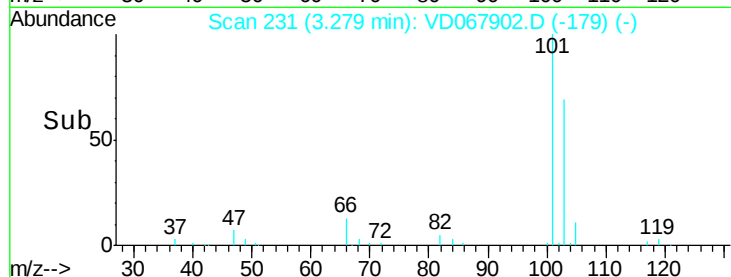
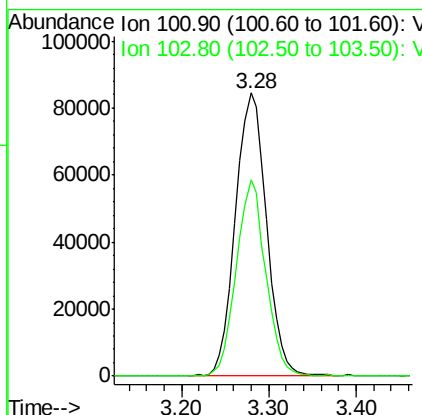
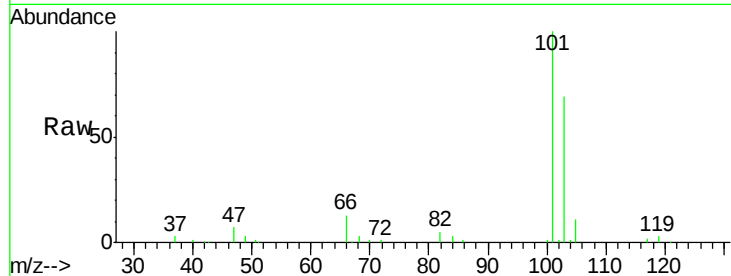
Trichlorofluoromethane  
Concen: 49.259 ug/l  
RT: 3.28 min Scan# 231  
Delta R.T. 0.01 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 69.2  | 53.0  | 79.6  |

Manual Integrations  
APPROVED

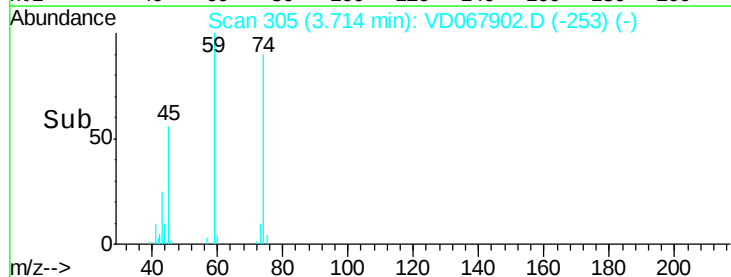
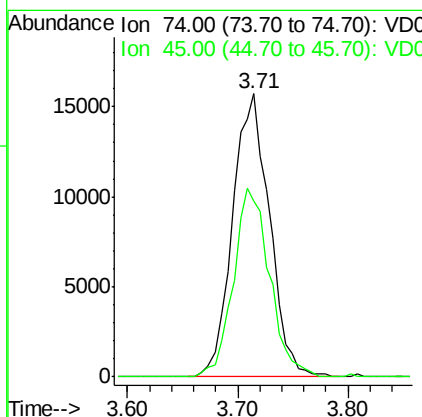
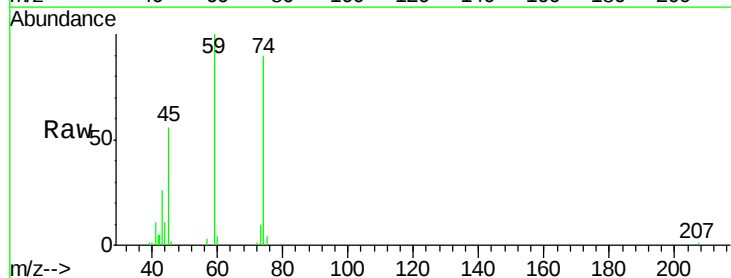
MMDadoda  
12/8/2020 5:05:45 PM

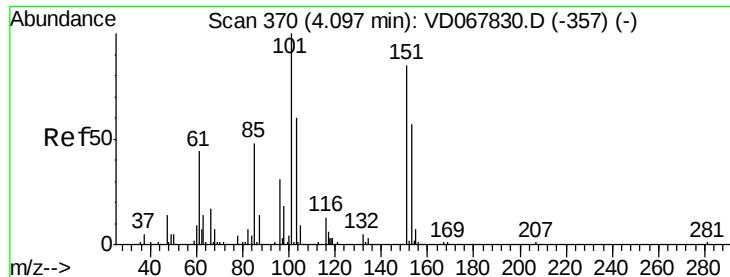


#8

Diethyl Ether  
Concen: 45.783 ug/l  
RT: 3.71 min Scan# 305  
Delta R.T. 0.01 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 65.4  | 33.9  | 101.7 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.526 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA\_D

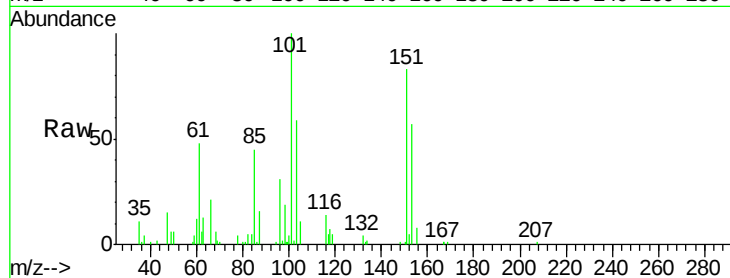
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 89457 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 45.6  | 36.2  | 54.4  |
| 151       | 90.2  | 69.4  | 104.2 |

Manual Integrations  
APPROVED

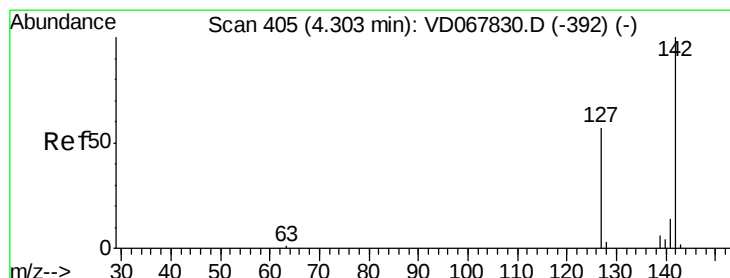
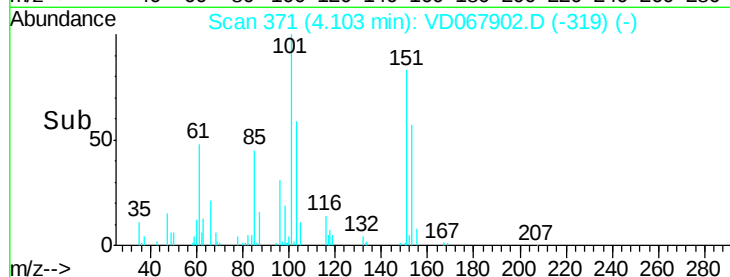
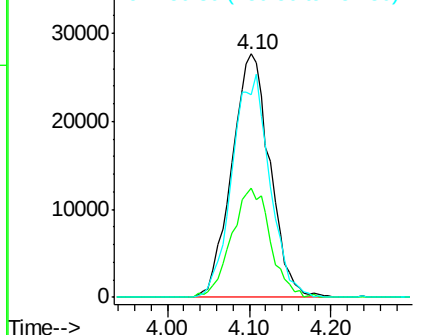
MMDadoda  
12/8/2020 5:05:45 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.164 ug/l

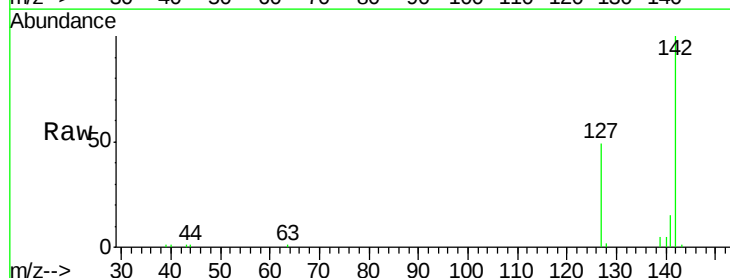
RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

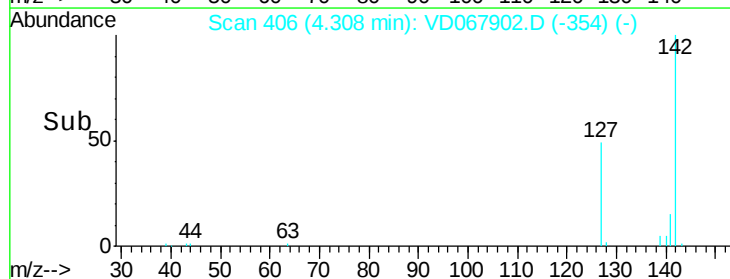
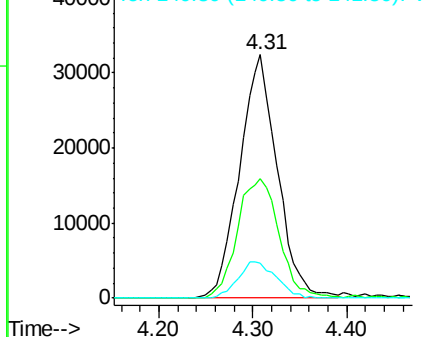
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 90107 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 54.1  | 43.9  | 65.9  |
| 141       | 15.2  | 12.2  | 18.2  |

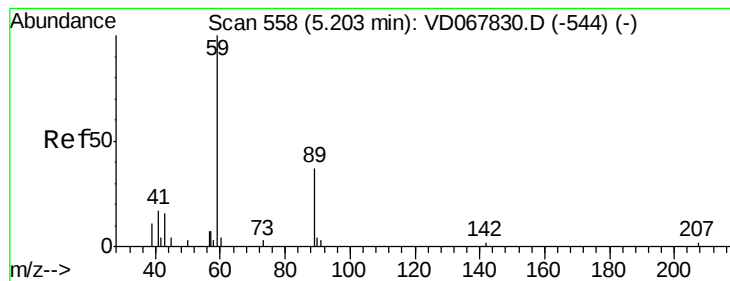


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

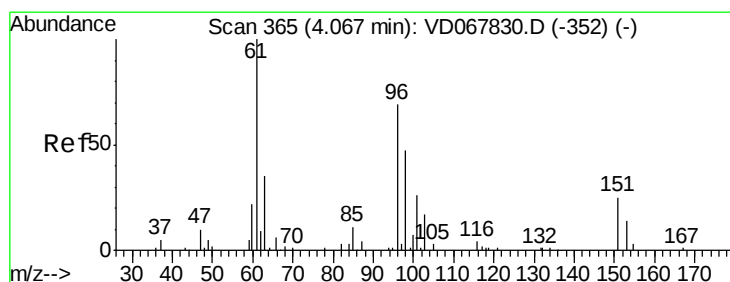
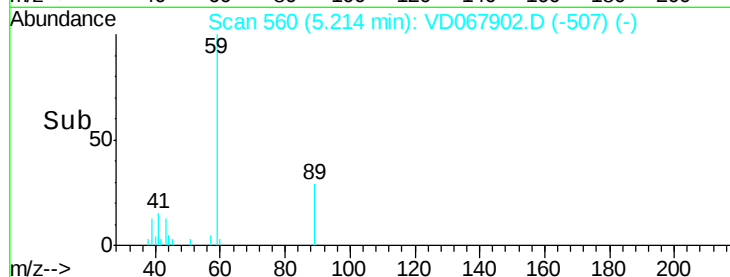
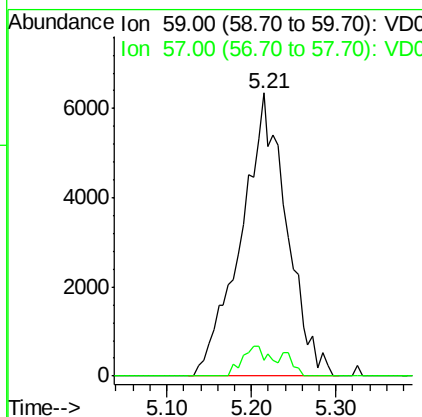
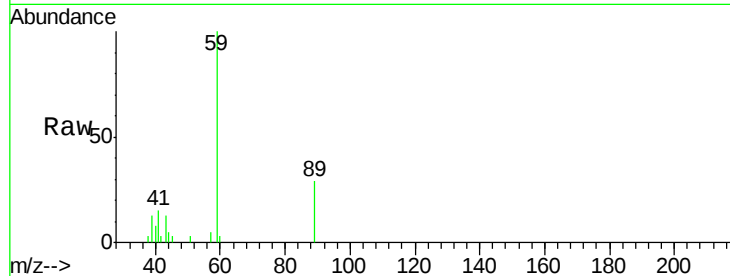
Tert butyl alcohol  
 Concen: 188.605 ug/l  
 RT: 5.21 min Scan# 560  
 Delta R.T. 0.01 min  
 Lab File: VD067902.D  
 Acq: 07 Dec 2020 16:25

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 59 Resp: 23860  
 Ion Ratio Lower Upper  
 59 100  
 57 6.3 7.7 11.5#

Manual Integrations  
 APPROVED

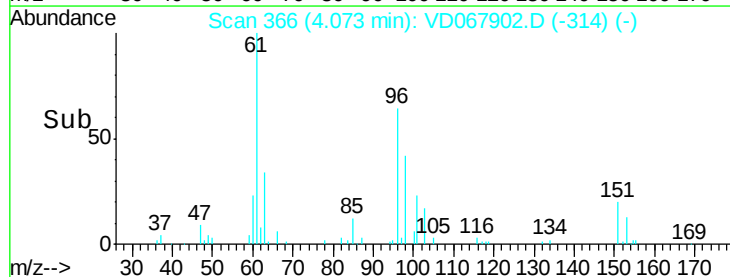
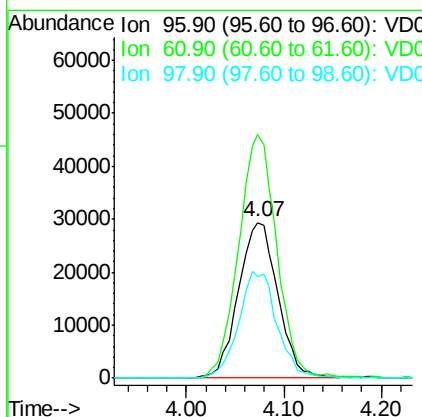
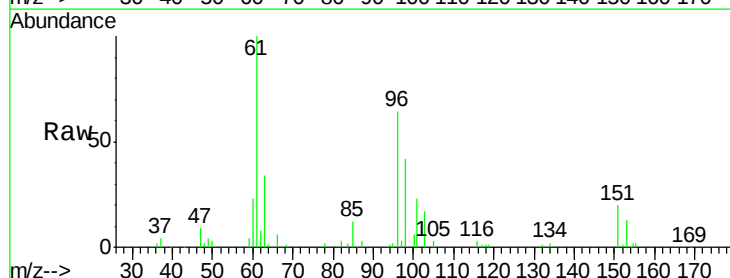
MMDadoda  
 12/8/2020 5:05:45 PM

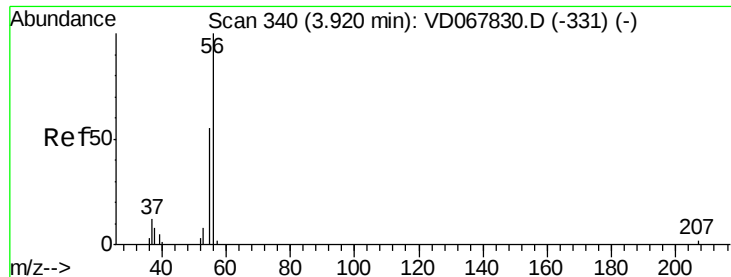


#12

1,1-Dichloroethene  
 Concen: 46.746 ug/l  
 RT: 4.07 min Scan# 366  
 Delta R.T. 0.01 min  
 Lab File: VD067902.D  
 Acq: 07 Dec 2020 16:25

Tgt Ion: 96 Resp: 82607  
 Ion Ratio Lower Upper  
 96 100  
 61 156.3 116.1 174.1  
 98 65.2 54.6 82.0





#13

Acrolein

Concen: 213.824 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 18812

Ion Ratio Lower Upper

56 100

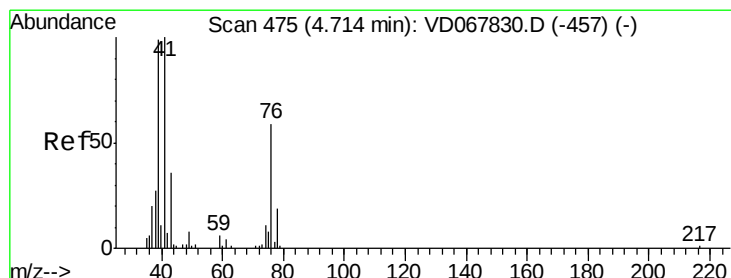
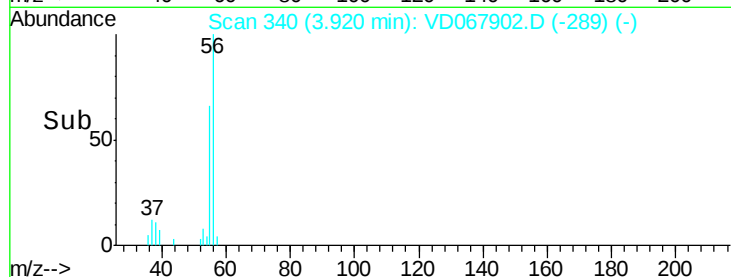
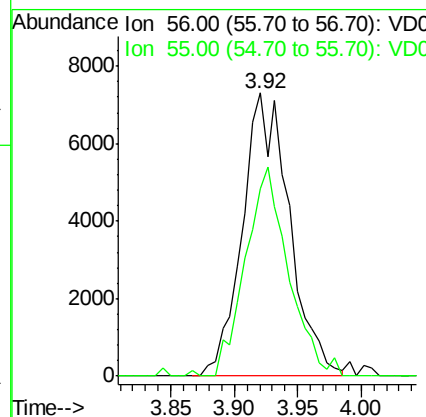
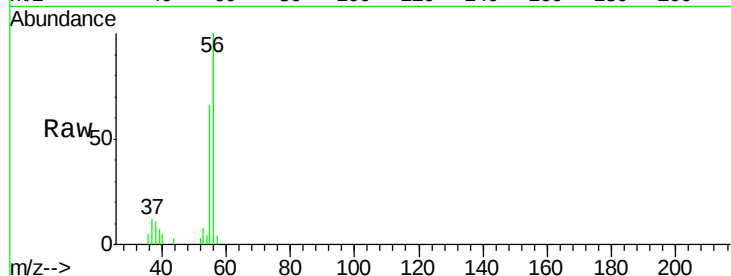
55 67.9 56.5 84.7

Manual Integrations

APPROVED

MMDadoda

12/8/2020 5:05:45 PM



#14

Allyl chloride

Concen: 47.806 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

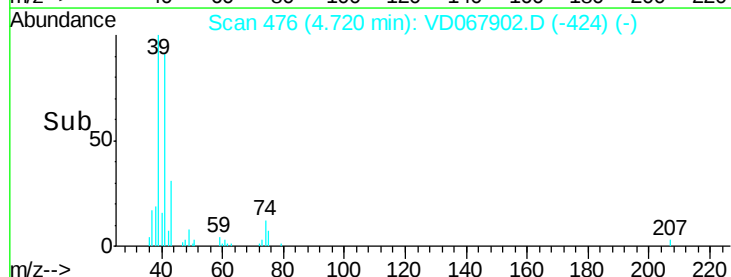
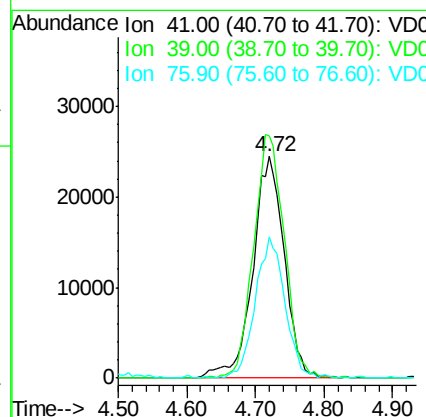
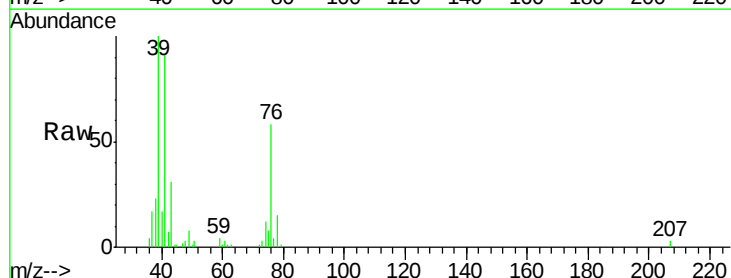
Tgt Ion: 41 Resp: 78154

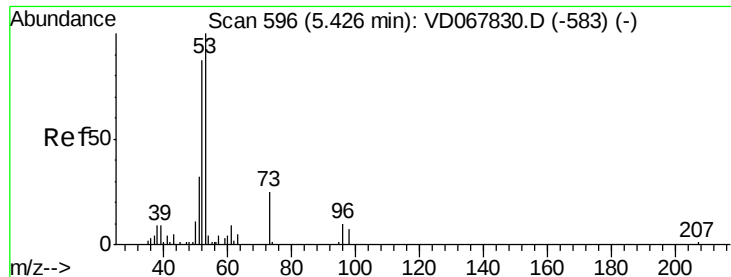
Ion Ratio Lower Upper

41 100

39 107.6 79.0 118.6

76 59.4 46.6 70.0





#15

Acrylonitrile

Concen: 222.072 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA\_D

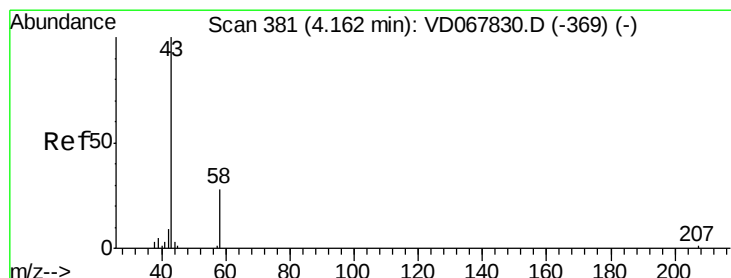
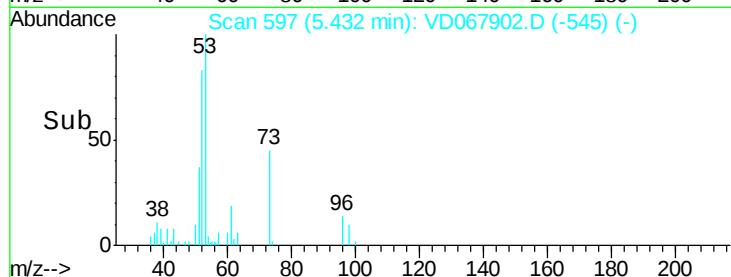
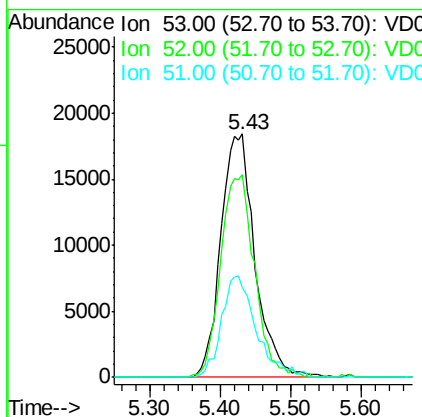
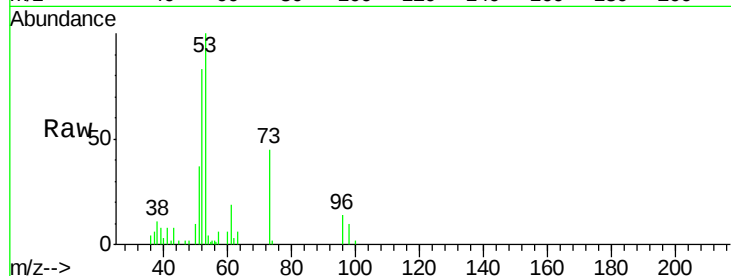
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 61951 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 82.2  | 66.2  | 99.2  |
| 51       | 42.2  | 31.1  | 46.7  |

Manual Integrations  
APPROVED

MMDadoda  
12/8/2020 5:05:45 PM



#16

Acetone

Concen: 215.676 ug/l

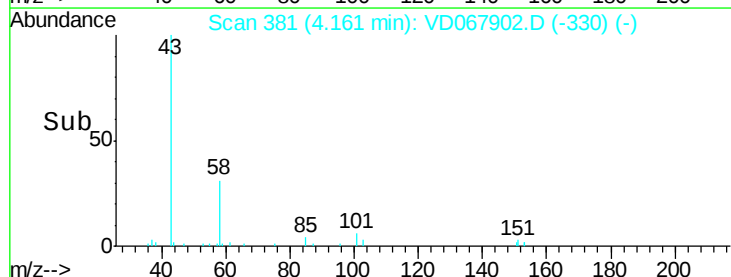
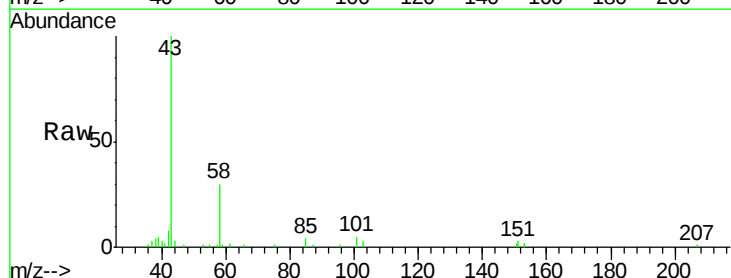
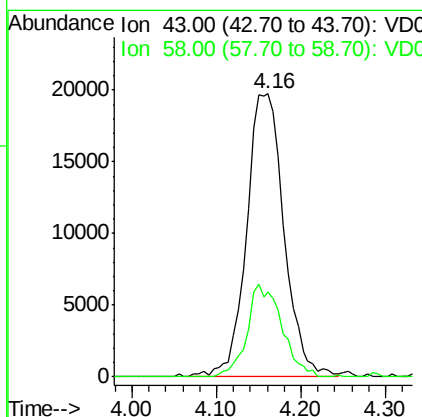
RT: 4.16 min Scan# 381

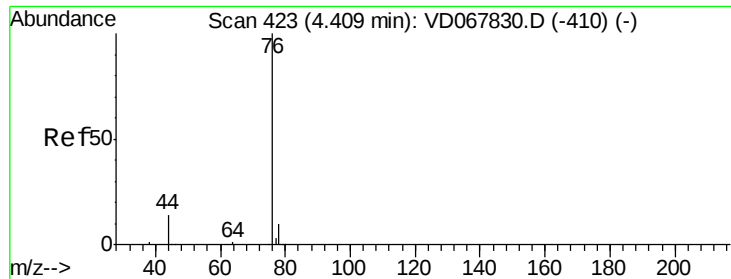
Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 61015 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 30.0  | 21.9  | 32.9  |





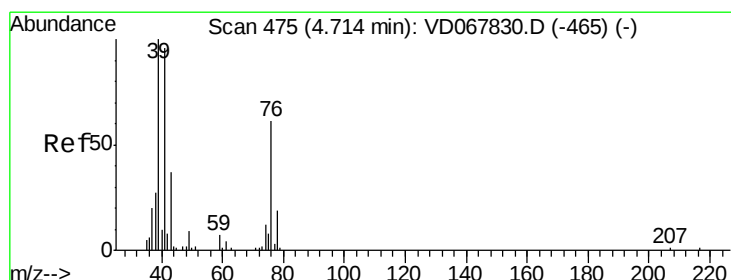
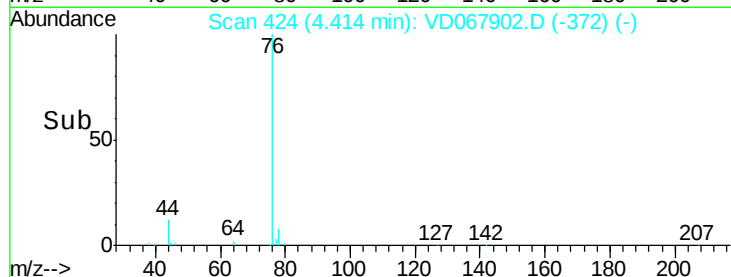
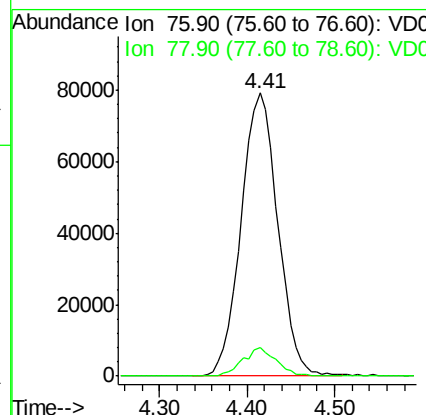
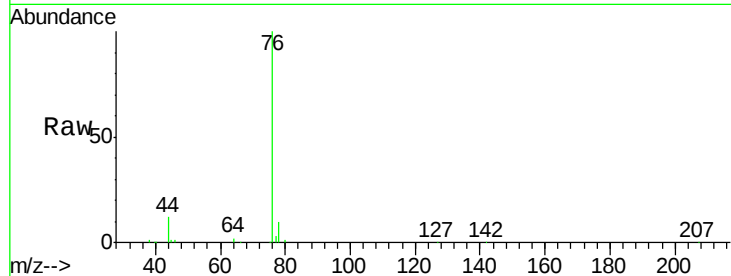
#17  
Carbon Disulfide  
Concen: 45.720 ug/l  
RT: 4.41 min Scan# 424  
Delta R.T. 0.01 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.9   | 7.8   | 11.6  |

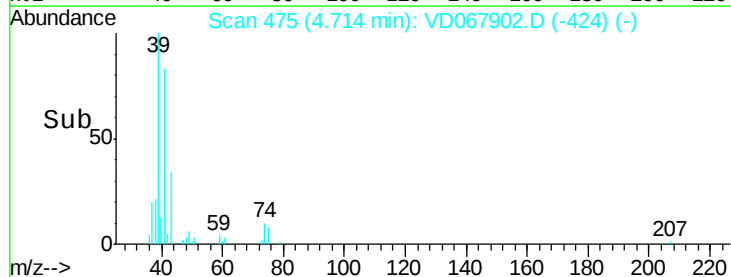
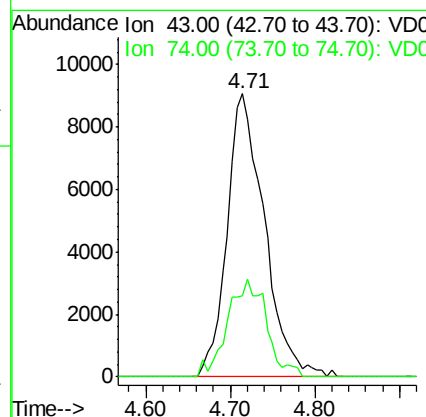
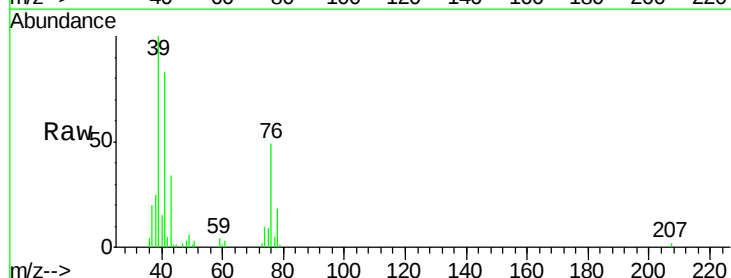
Manual Integrations  
APPROVED

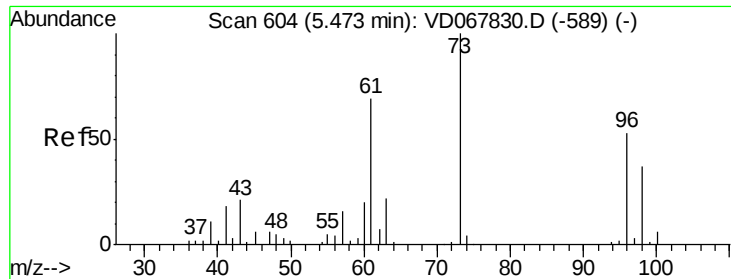
MMDadoda  
12/8/2020 5:05:45 PM



#18  
Methyl Acetate  
Concen: 52.194 ug/l  
RT: 4.71 min Scan# 475  
Delta R.T. 0.00 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 35.7  | 27.0  | 40.4  |





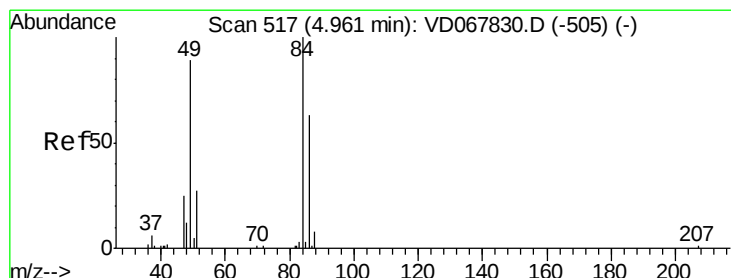
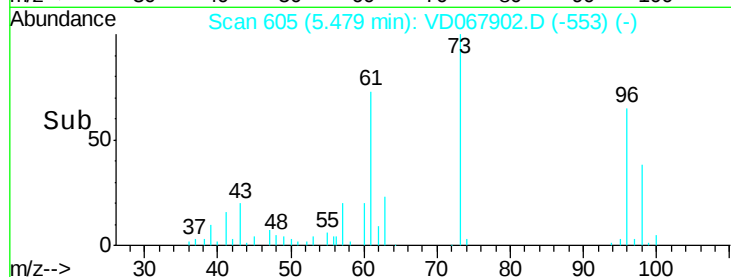
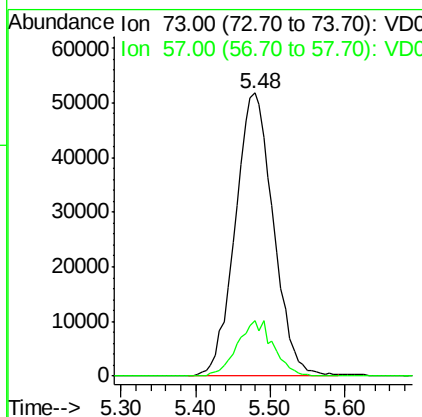
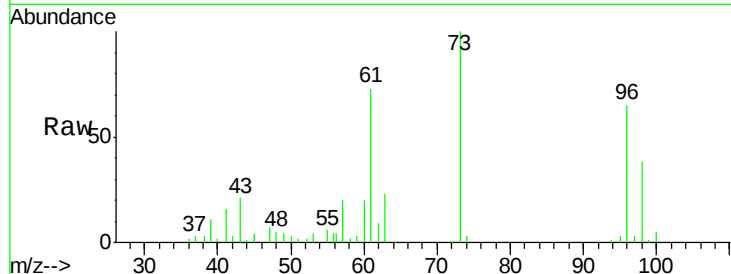
#19  
Methyl tert-butyl Ether  
Concen: 48.461 ug/l  
RT: 5.48 min Scan# 605  
Delta R.T. 0.01 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 183377  
Ion Ratio Lower Upper  
73 100  
57 19.7 13.2 19.8

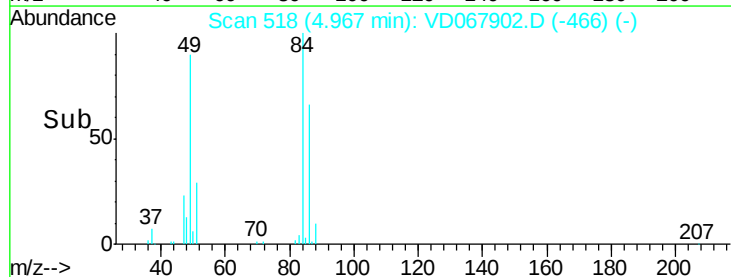
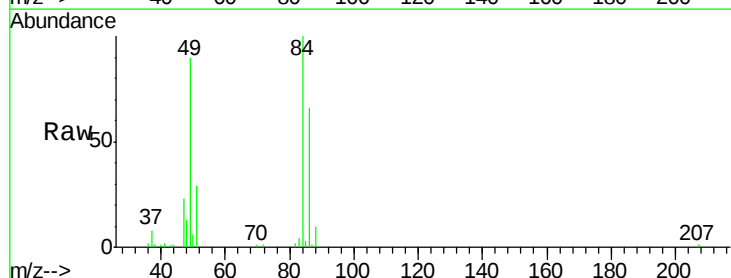
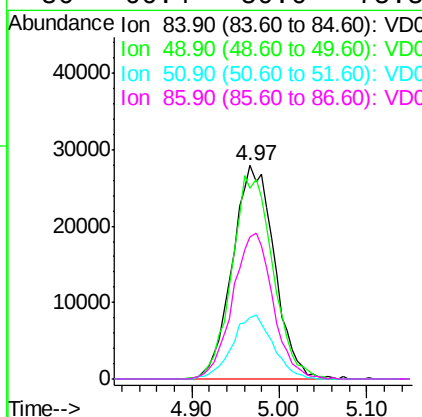
Manual Integrations  
APPROVED

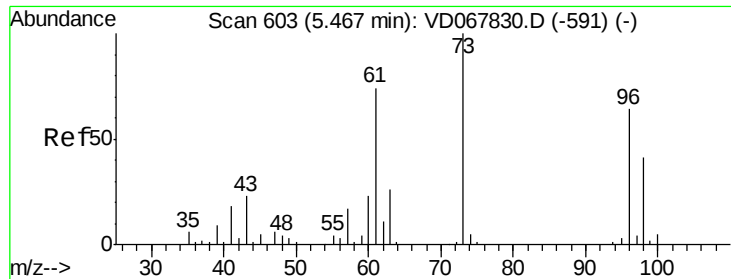
MMDadoda  
12/8/2020 5:05:45 PM



#20  
Methylene Chloride  
Concen: 49.593 ug/l  
RT: 4.97 min Scan# 518  
Delta R.T. 0.01 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

Tgt Ion: 84 Resp: 90942  
Ion Ratio Lower Upper  
84 100  
49 89.6 71.4 107.0  
51 28.5 21.8 32.8  
86 66.4 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 47.960 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA\_D

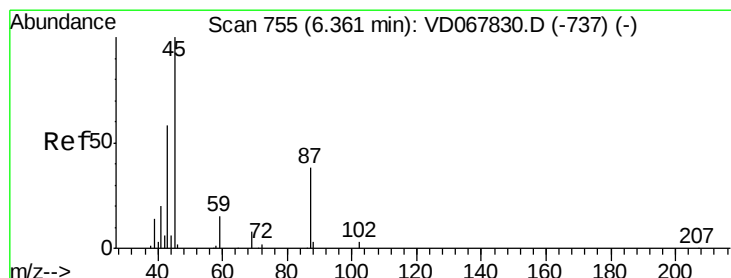
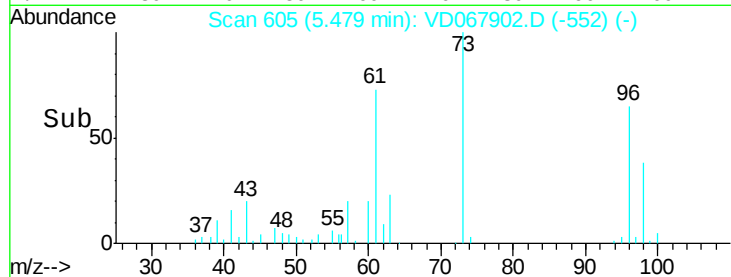
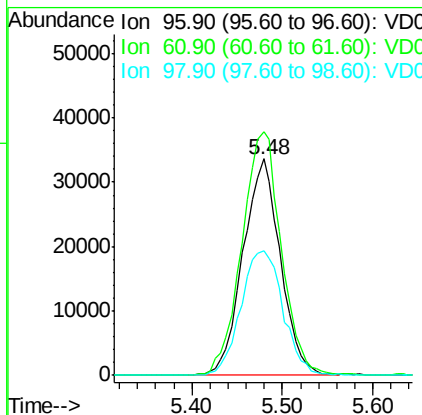
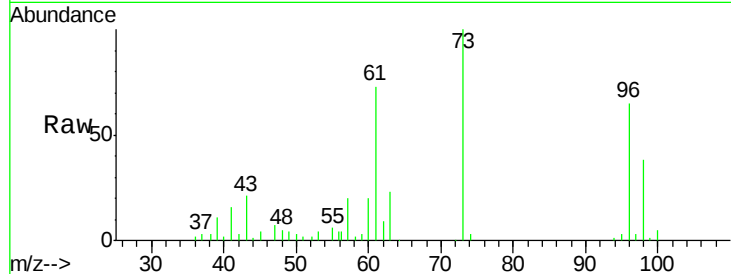
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 96442 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 112.5 | 93.1  | 139.7 |
| 98       | 57.8  | 52.2  | 78.2  |

Manual Integrations  
APPROVED

MMDadoda  
12/8/2020 5:05:45 PM



#22

Diisopropyl ether

Concen: 48.004 ug/l

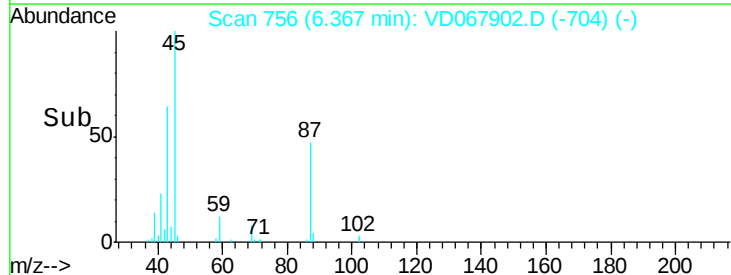
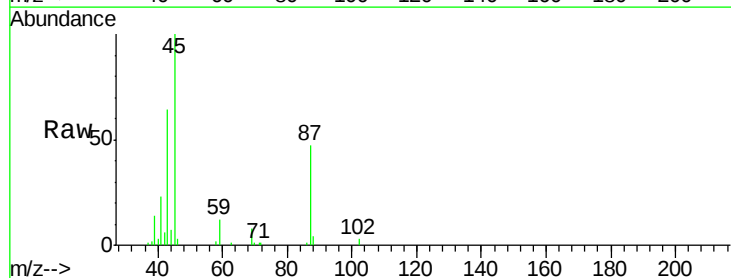
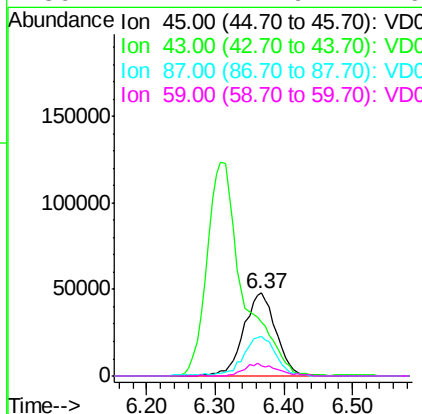
RT: 6.37 min Scan# 756

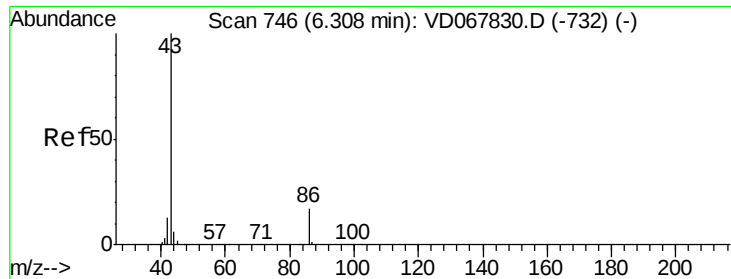
Delta R.T. 0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 157838 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 63.2  | 49.8  | 74.6   |
| 87       | 46.8  | 32.1  | 48.1   |
| 59       | 12.2  | 11.9  | 17.9   |





#23

Vinyl Acetate

Concen: 246.281 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Tot Ion: 43 Resp: 450491

Ion Ratio Lower Upper

43 100

86 15.9 13.8 20.6

Instrument :

MSVOA\_D

ClientSampleId :

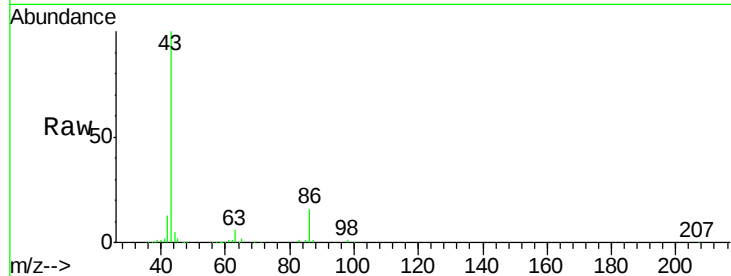
VSTDCCC050EC

Manual Integrations

APPROVED

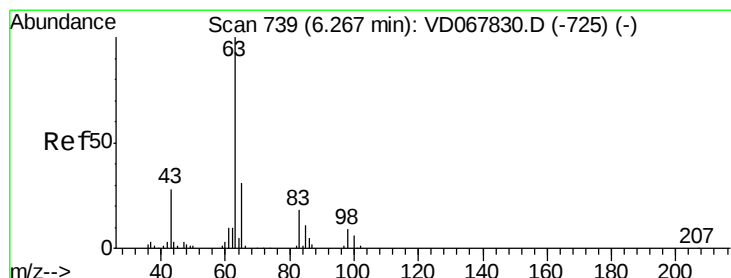
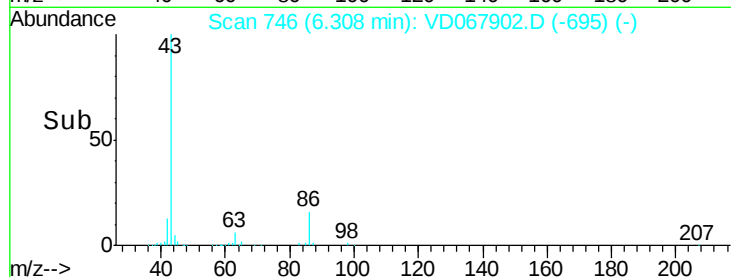
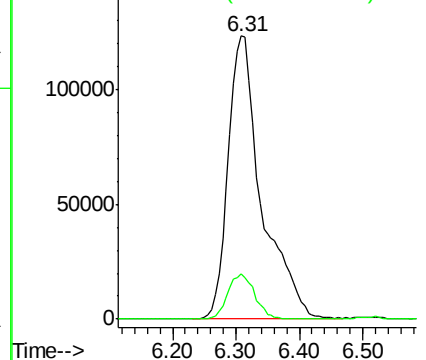
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.720 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

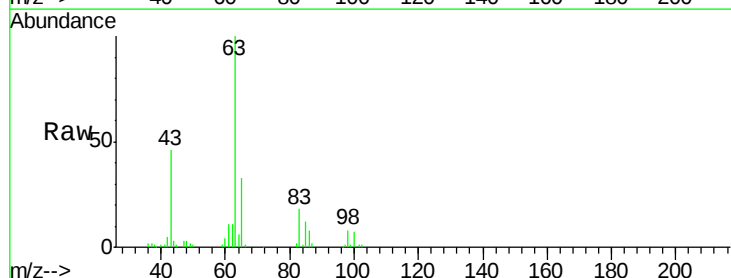
Tgt Ion: 63 Resp: 137543

Ion Ratio Lower Upper

63 100

98 8.5 4.5 13.5

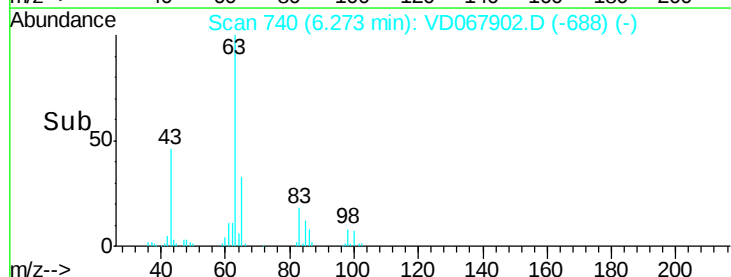
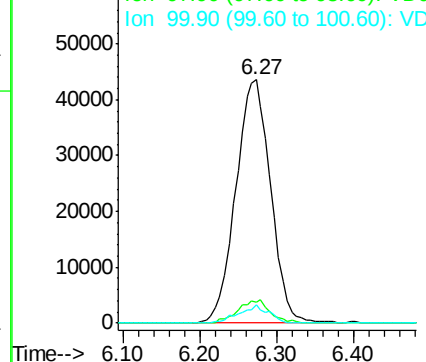
100 7.3 3.0 9.2

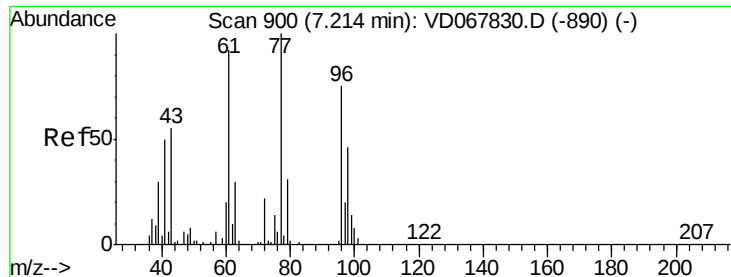


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 218.593 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 65044

Ion Ratio Lower Upper

43 100

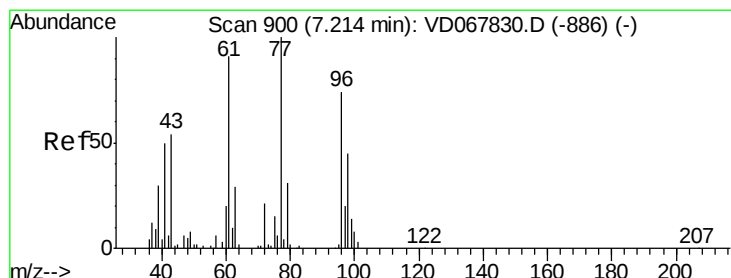
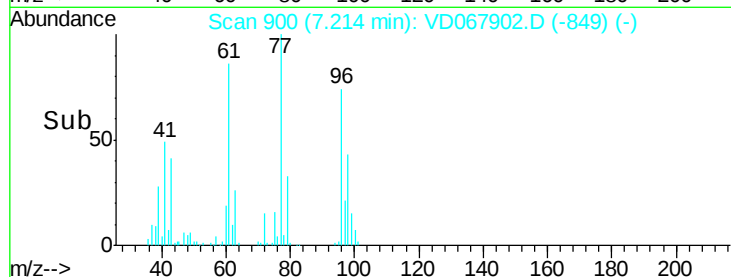
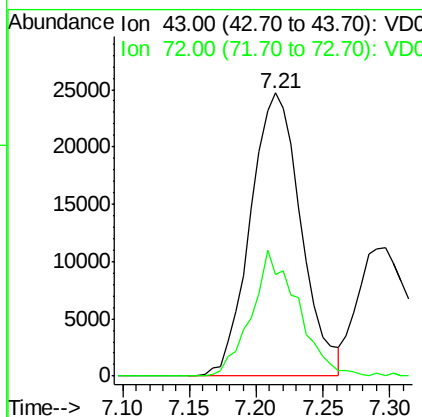
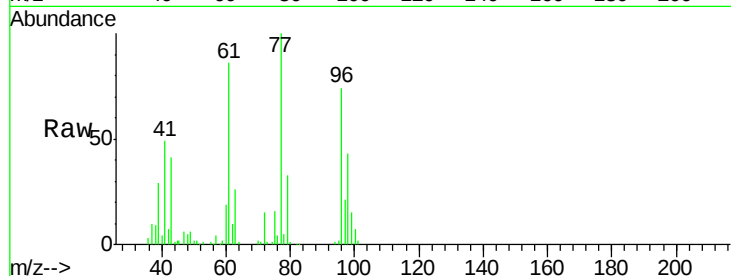
72 35.8 31.3 46.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.477 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067902.D

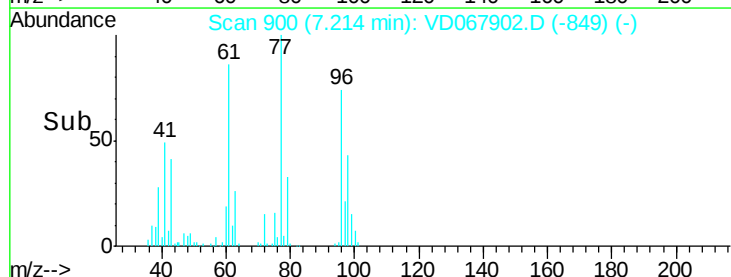
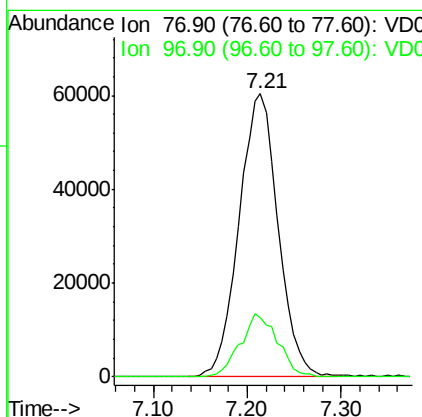
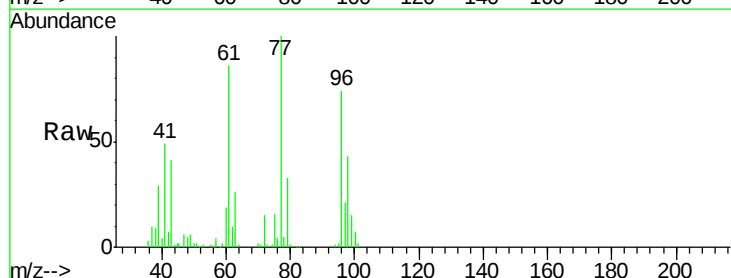
Acq: 07 Dec 2020 16:25

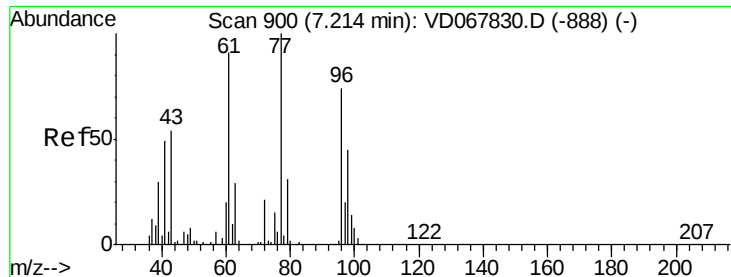
Tgt Ion: 77 Resp: 173489

Ion Ratio Lower Upper

77 100

97 21.4 11.1 33.1





#27

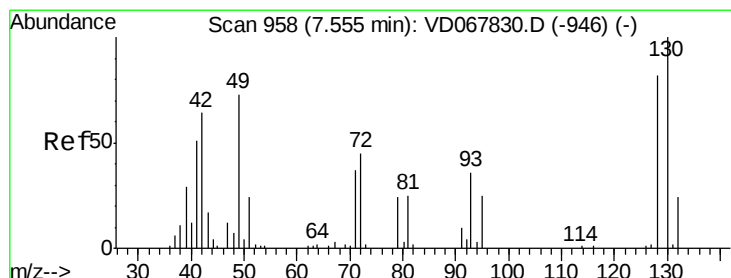
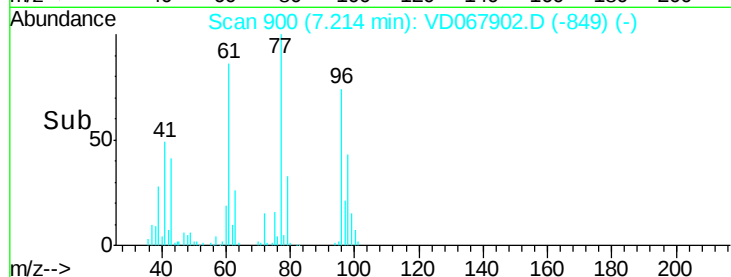
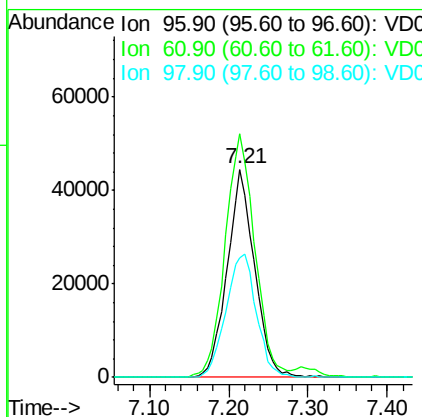
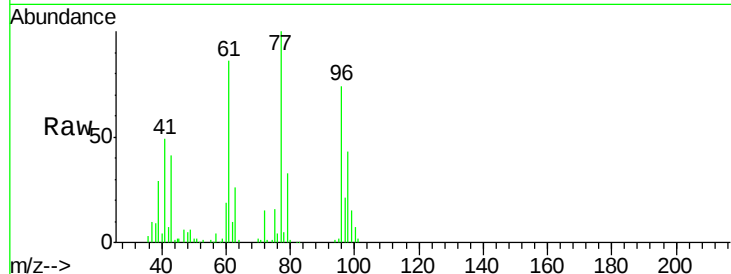
cis-1,2-Dichloroethene  
Concen: 48.508 ug/l  
RT: 7.21 min Scan# 900  
Delta R.T. -0.00 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 125.8 | 0.0  | 248.4 |       |
| 98      | 65.4  | 0.0  | 127.4 |       |

Manual Integrations  
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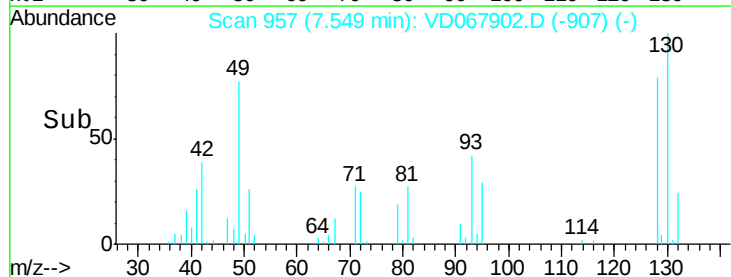
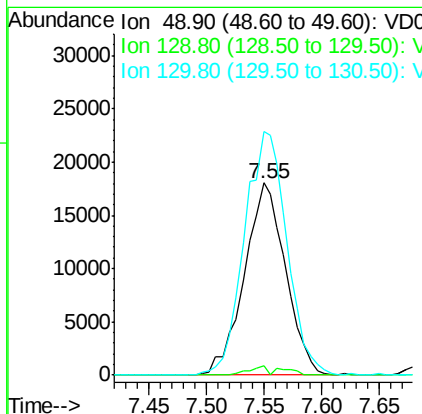
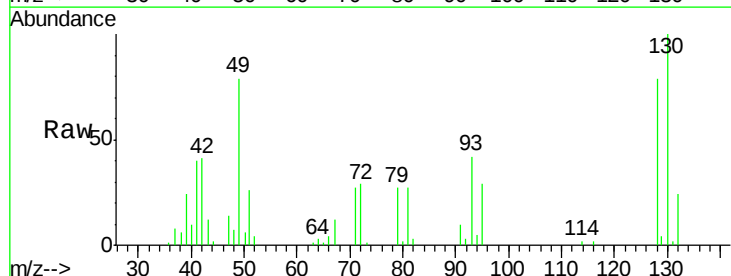
MMDadoda  
12/8/2020 5:05:45 PM

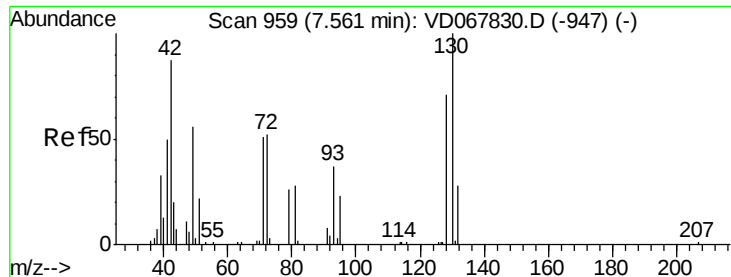


#28

Bromochloromethane  
Concen: 48.809 ug/l  
RT: 7.55 min Scan# 957  
Delta R.T. -0.01 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   |       |       |       |
| 129     | 1.9   | 0.0   | 3.4   |       |
| 130     | 131.0 | 110.2 | 165.2 |       |





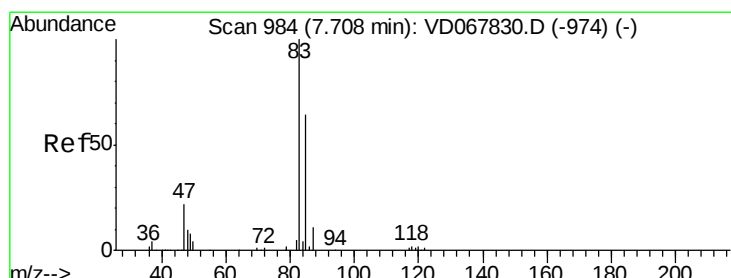
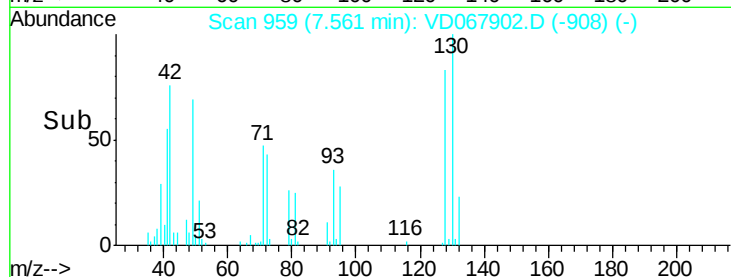
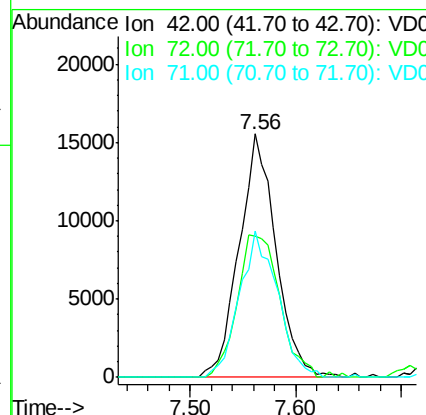
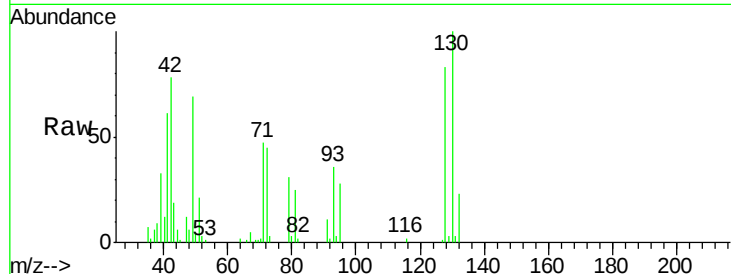
#29  
Tetrahydrofuran  
Concen: 221.184 ug/l  
RT: 7.56 min Scan# 959  
Delta R.T. -0.00 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 67.3  | 51.9  | 77.9  |
| 71      | 62.3  | 48.2  | 72.4  |

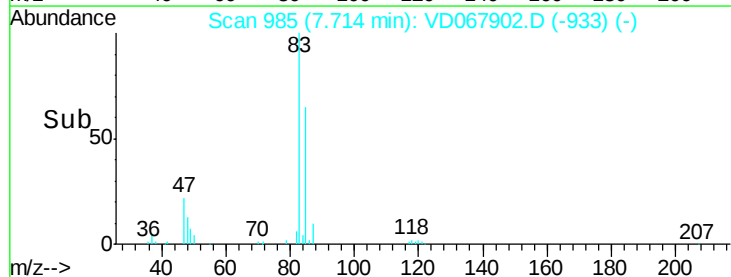
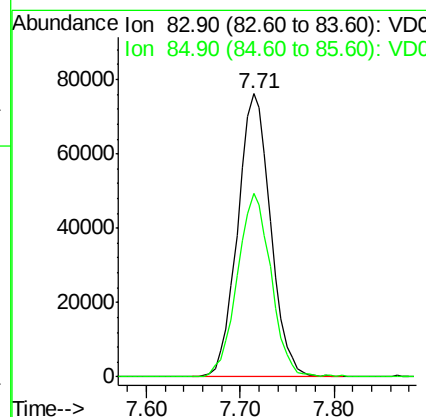
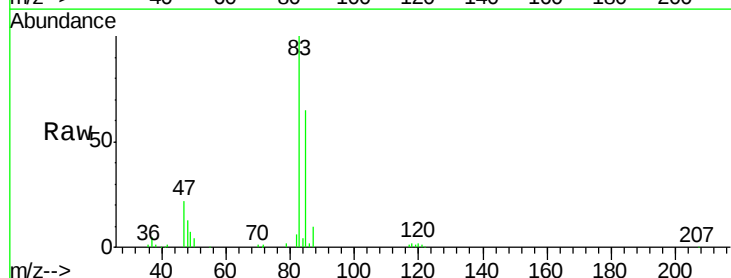
Manual Integrations  
APPROVED

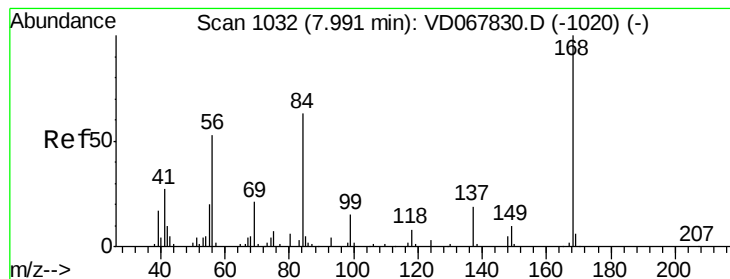
MMDadoda  
12/8/2020 5:05:45 PM



#30  
Chloroform  
Concen: 48.065 ug/l  
RT: 7.71 min Scan# 985  
Delta R.T. 0.01 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.9  | 51.0  | 76.4  |





#31

Cyclohexane

Concen: 43.945 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA\_D

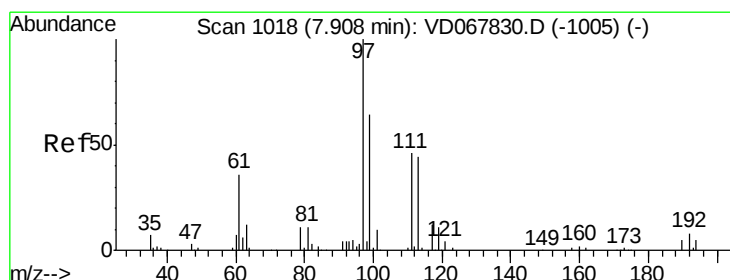
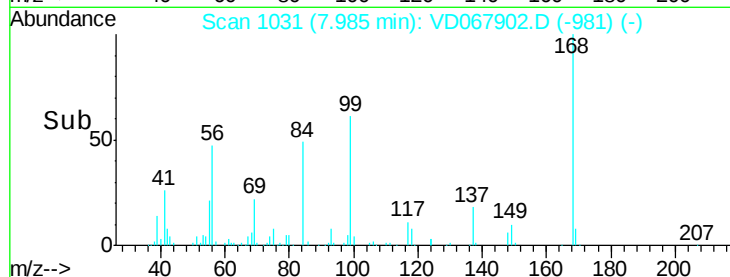
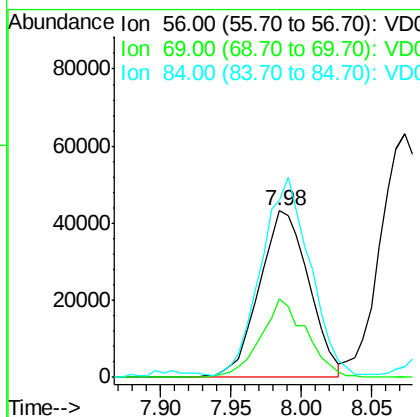
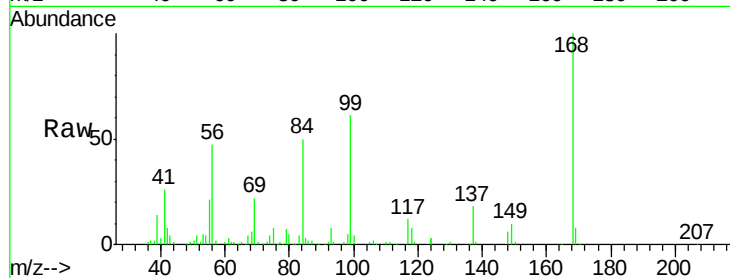
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 105997 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 47.4  | 32.1  | 48.1   |
| 84        | 103.7 | 93.2  | 139.8  |

Manual Integrations  
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#32

1,1,1-Trichloroethane

Concen: 49.842 ug/l

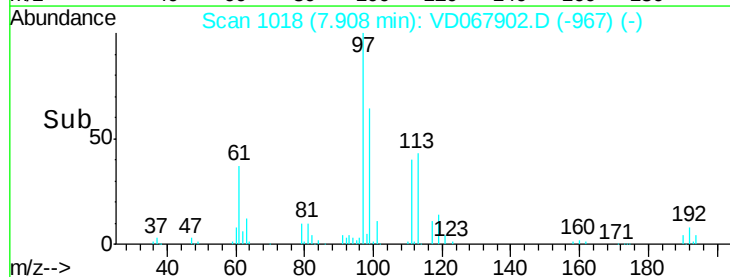
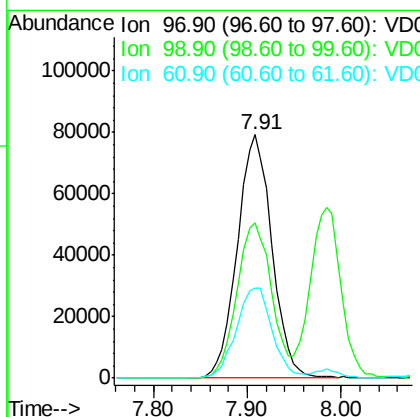
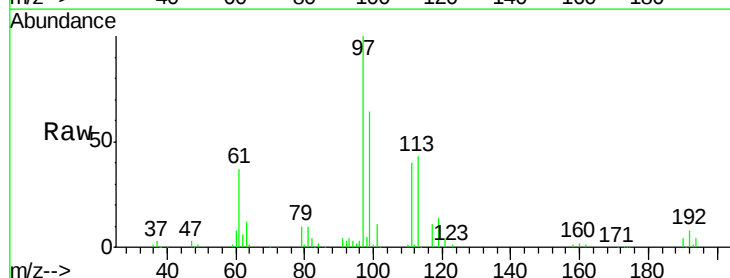
RT: 7.91 min Scan# 1018

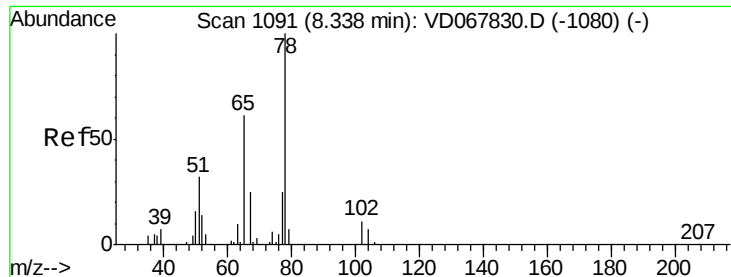
Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 202659 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 65.0  | 51.4  | 77.2   |
| 61        | 38.1  | 30.8  | 46.2   |





#33

1,2-Dichloroethane-d4

Concen: 48.104 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 110129

Ion Ratio Lower Upper

65 100

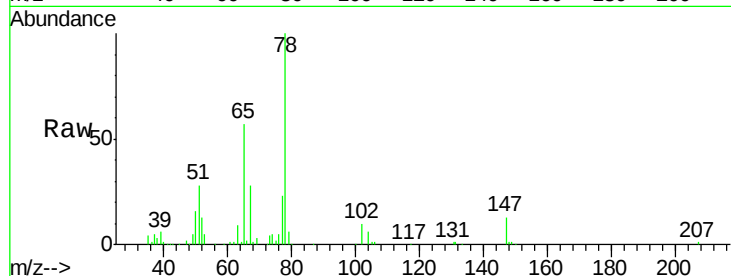
67 47.8 0.0 92.0

Manual Integrations

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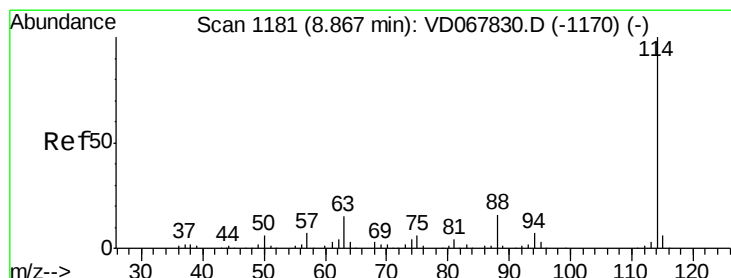
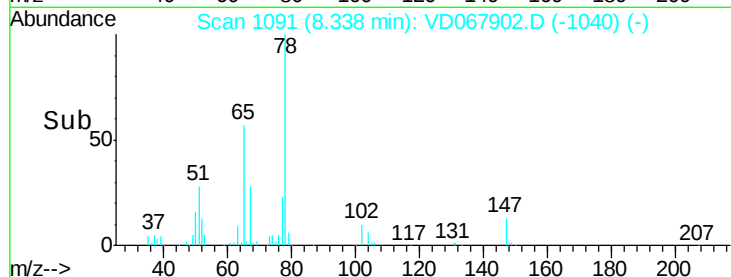
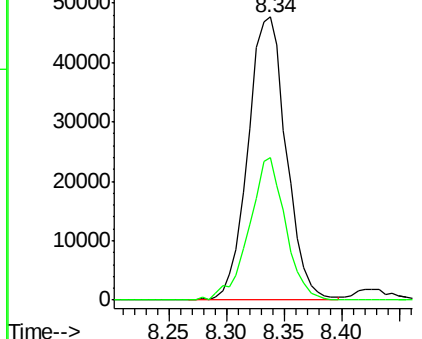
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

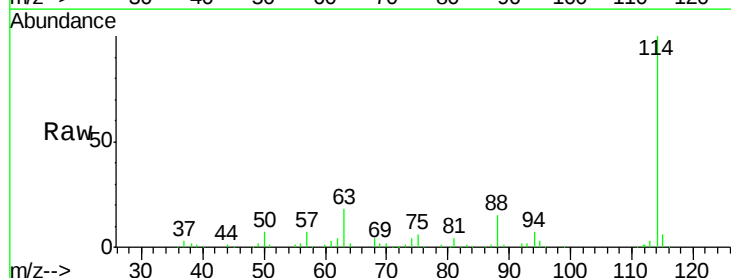
Tgt Ion: 114 Resp: 304067

Ion Ratio Lower Upper

114 100

63 18.0 0.0 30.8

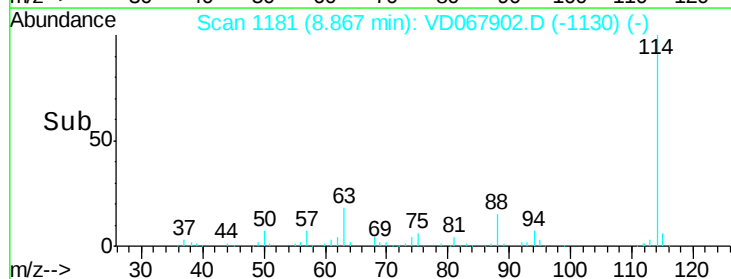
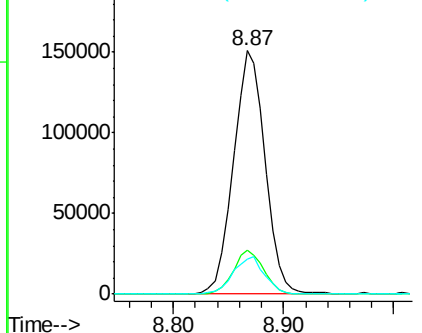
88 14.5 0.0 31.8

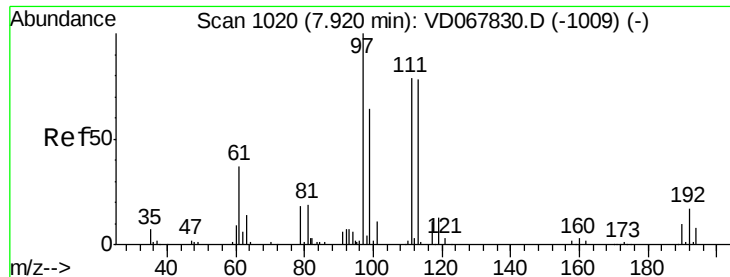


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





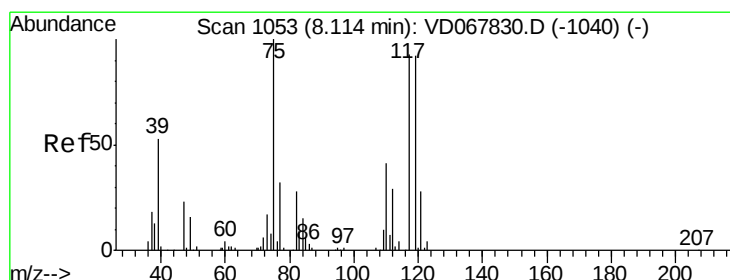
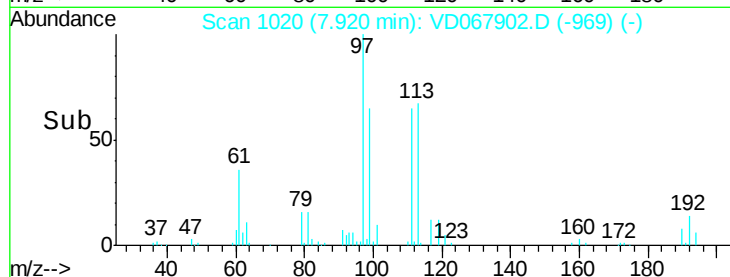
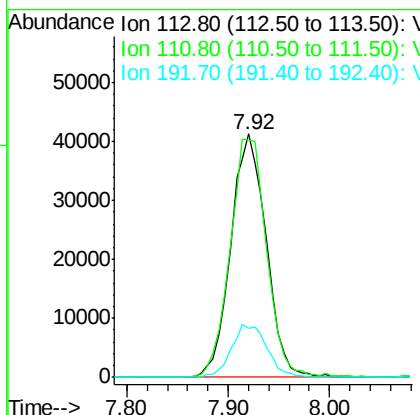
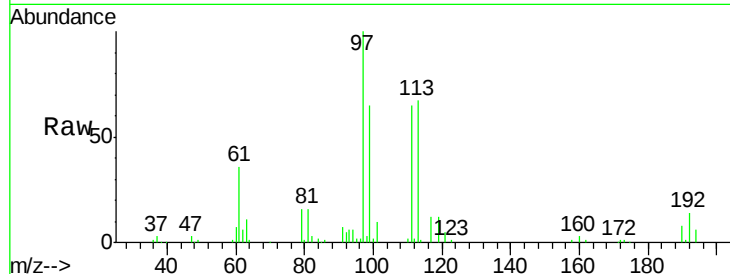
#35  
Dibromofluoromethane  
Concen: 48.908 ug/l  
RT: 7.92 min Scan# 1020  
Delta R.T. -0.00 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.8 | 81.2  | 121.8 |
| 192     | 21.9  | 16.8  | 25.2  |

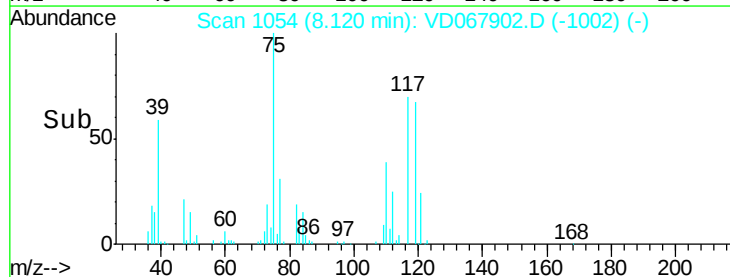
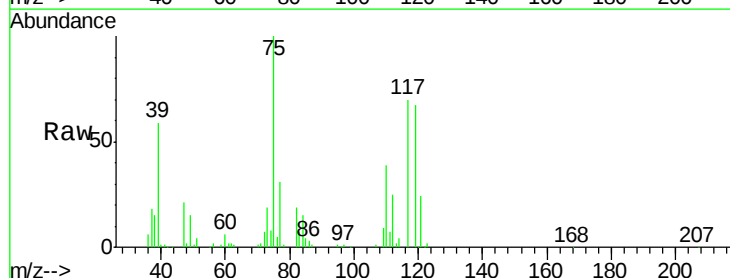
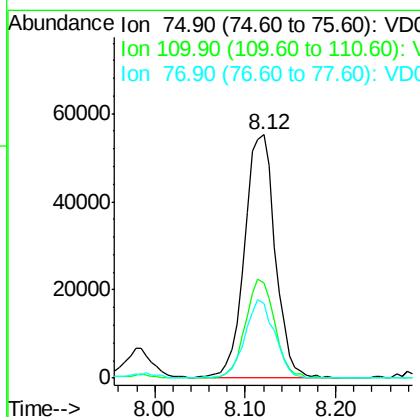
Manual Integrations  
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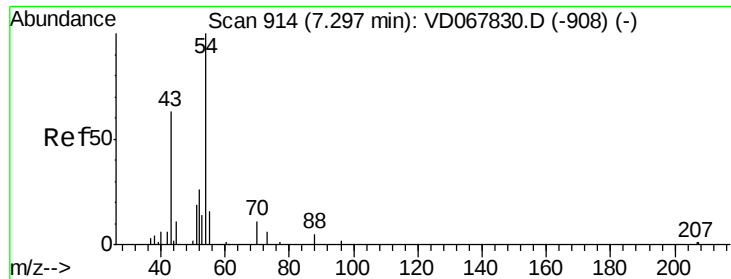
MMDadoda  
12/8/2020 5:05:45 PM



#36  
1,1-Dichloropropene  
Concen: 49.392 ug/l  
RT: 8.12 min Scan# 1054  
Delta R.T. 0.01 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 38.7  | 20.3  | 61.0  |
| 77      | 31.4  | 24.7  | 37.1  |





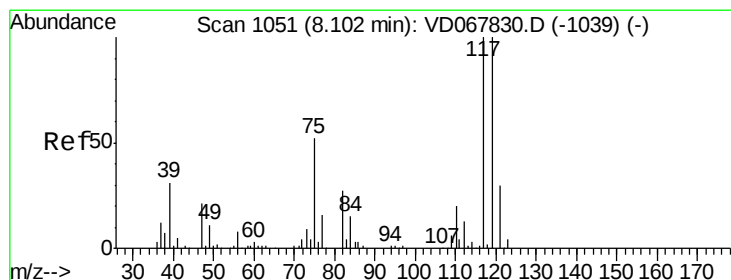
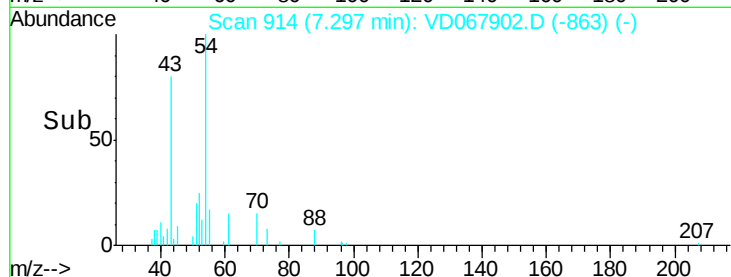
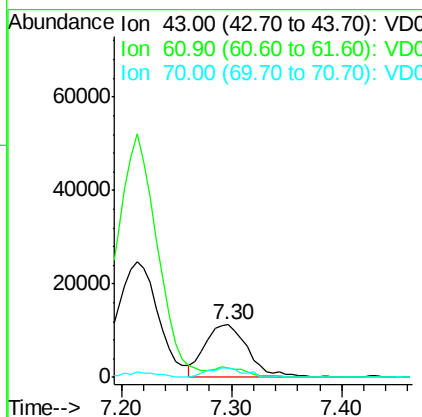
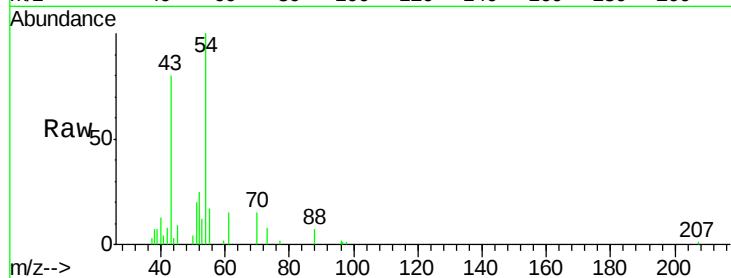
#37  
Ethyl Acetate  
Concen: 43.428 ug/l  
RT: 7.30 min Scan# 914  
Delta R.T. -0.00 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.5  | 11.4  | 17.2  |
| 70      | 16.3  | 11.5  | 17.3  |

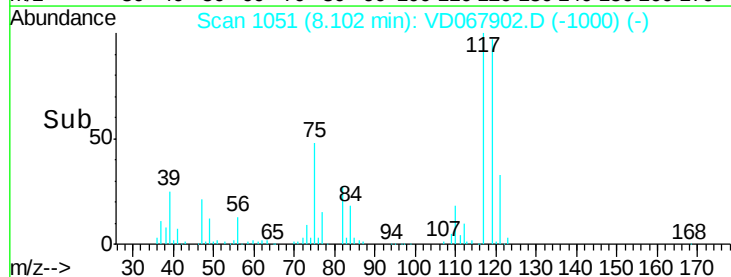
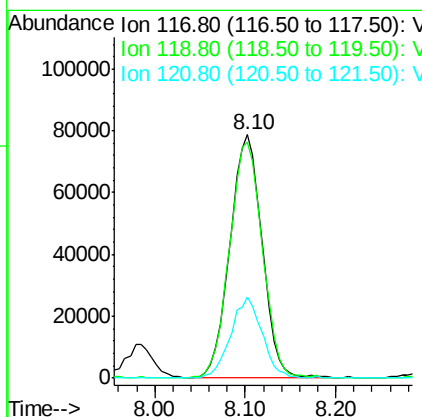
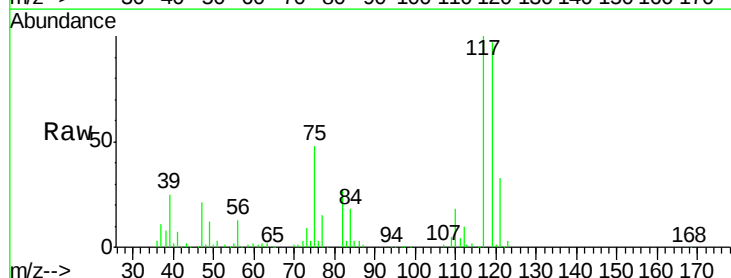
Manual Integrations  
APPROVED

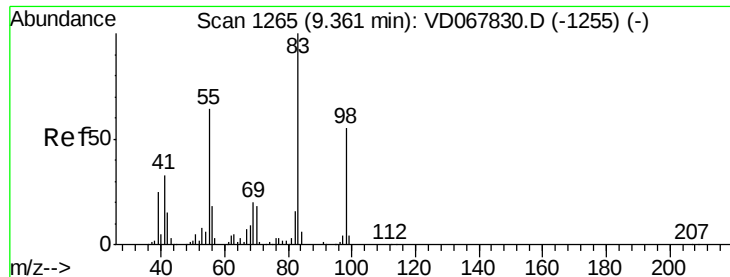
MMDadoda  
12/8/2020 5:05:45 PM



#38  
Carbon Tetrachloride  
Concen: 48.835 ug/l  
RT: 8.10 min Scan# 1051  
Delta R.T. -0.00 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.7  | 79.7  | 119.5 |
| 121     | 33.2  | 23.8  | 35.6  |





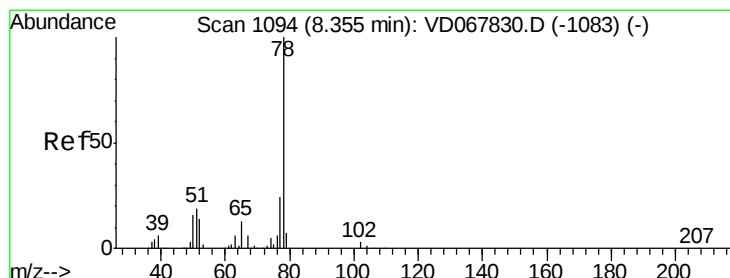
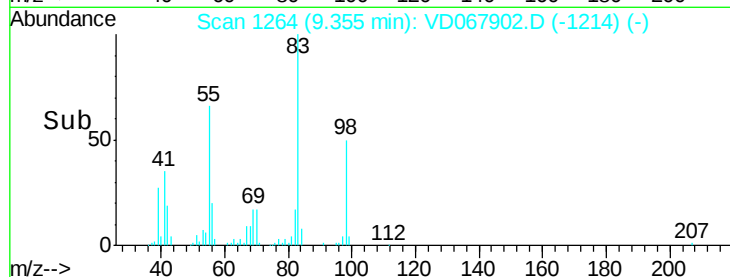
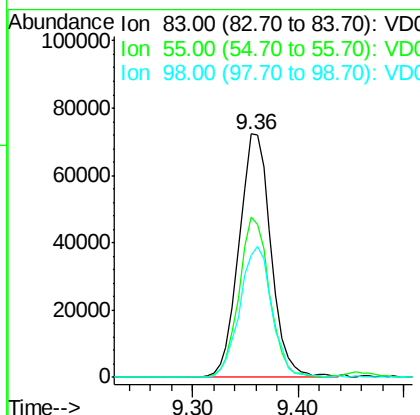
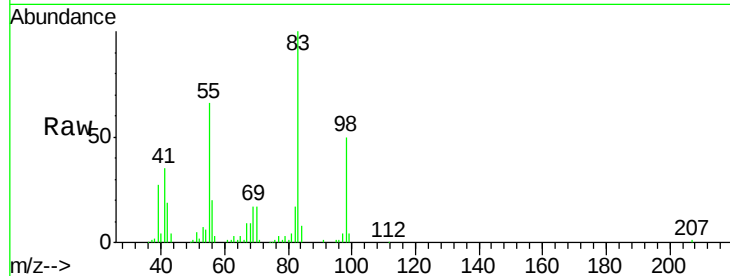
#39  
Methvlcvclohexane  
Concen: 48.789 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. -0.01 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 65.7  | 51.6  | 77.4  |
| 98      | 50.0  | 44.3  | 66.5  |

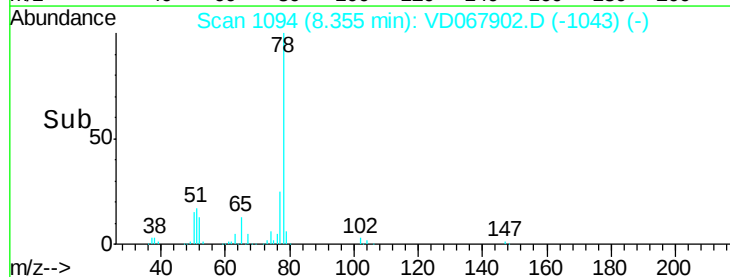
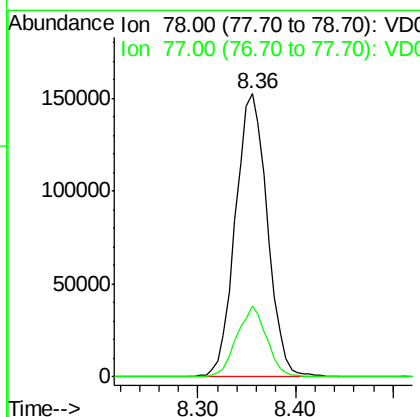
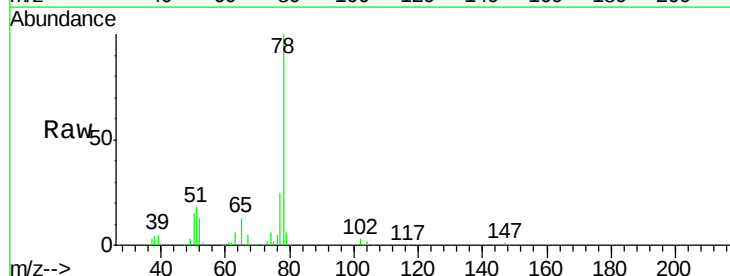
Manual Integrations  
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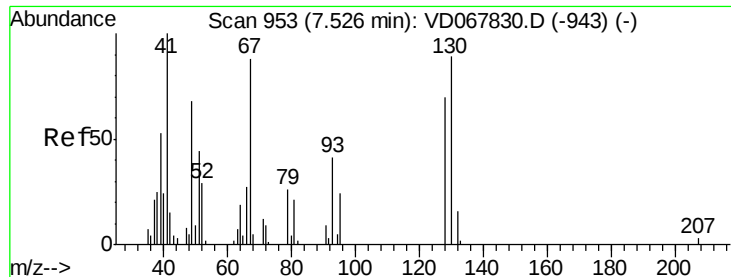
MMDadoda  
12/8/2020 5:05:45 PM



#40  
Benzene  
Concen: 48.367 ug/l  
RT: 8.36 min Scan# 1094  
Delta R.T. -0.00 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.9  | 19.1  | 28.7  |





#41

Methacrylonitrile

Concen: 44.370 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 15118

Ion Ratio Lower Upper

41 100

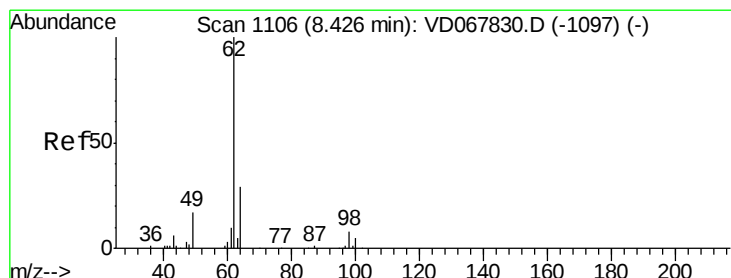
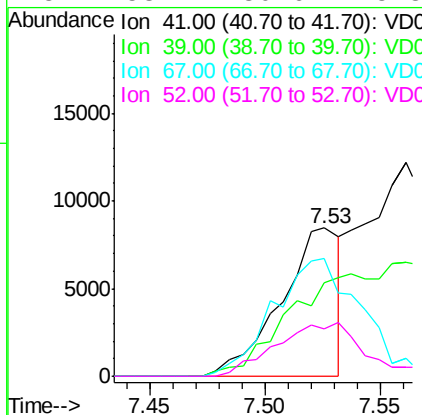
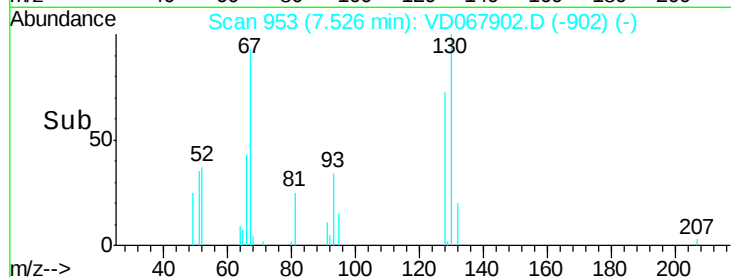
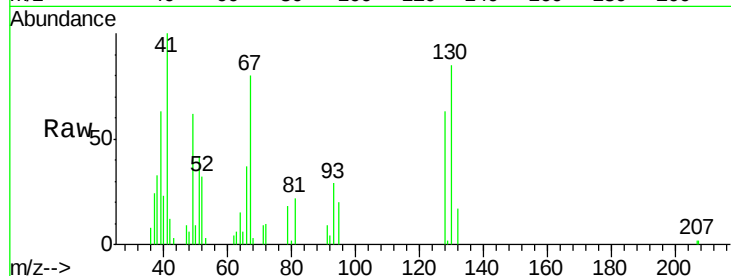
39 0.0 42.1 63.1#

67 117.3 82.4 123.6

52 53.7 30.6 45.8#

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#42

1,2-Dichloroethane

Concen: 48.596 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD067902.D

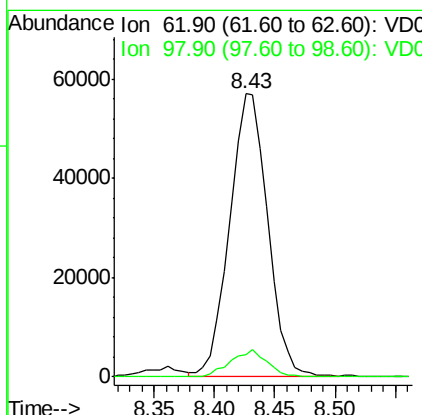
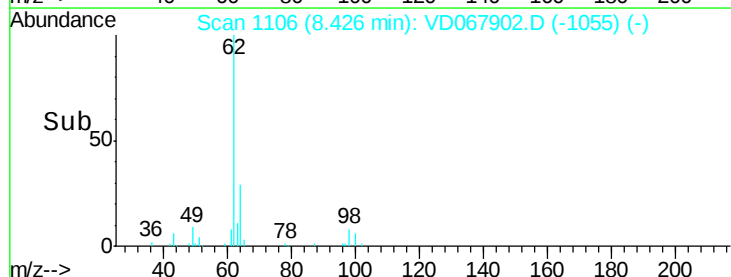
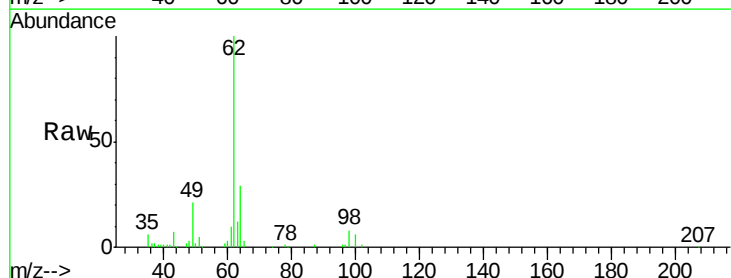
Acq: 07 Dec 2020 16:25

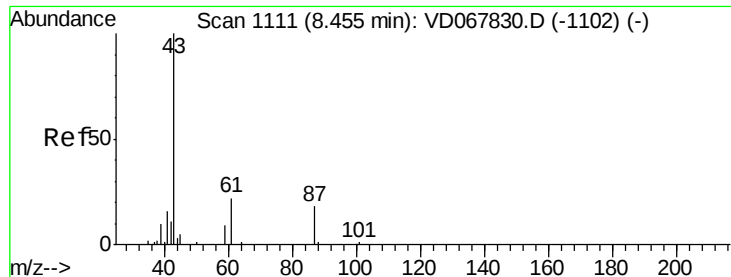
Tgt Ion: 62 Resp: 124749

Ion Ratio Lower Upper

62 100

98 9.4 0.0 17.2





#43

Isopropyl Acetate

Concen: 46.543 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA\_D

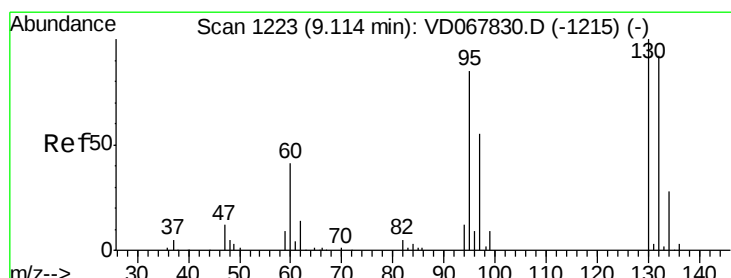
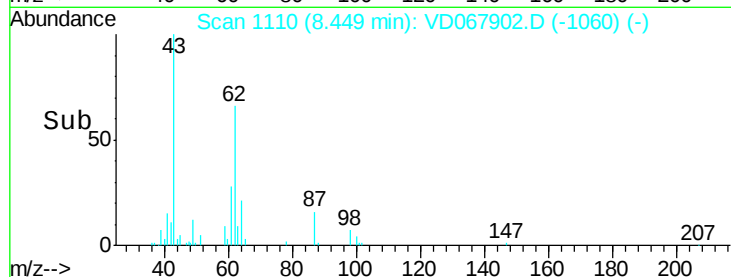
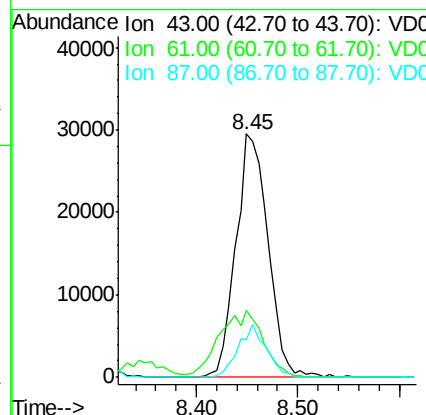
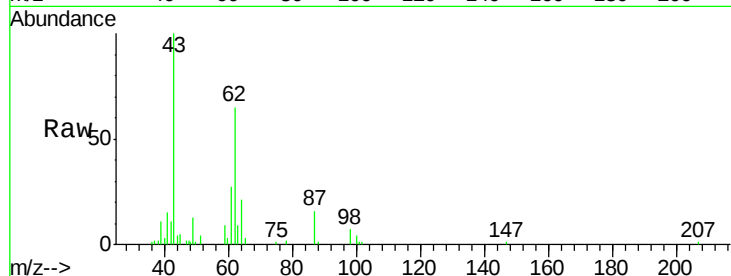
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 64970 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 37.3  | 30.4  | 45.6  |
| 87       | 18.8  | 16.2  | 24.2  |

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#44

Trichloroethene

Concen: 48.569 ug/l

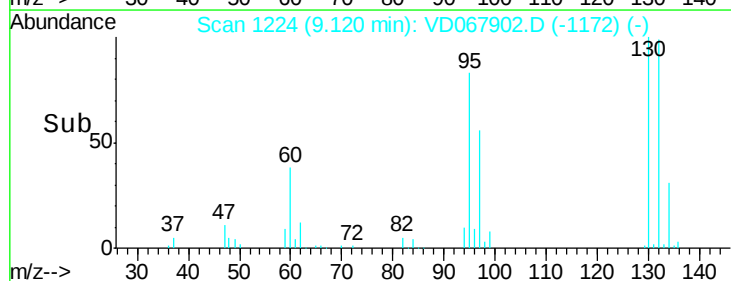
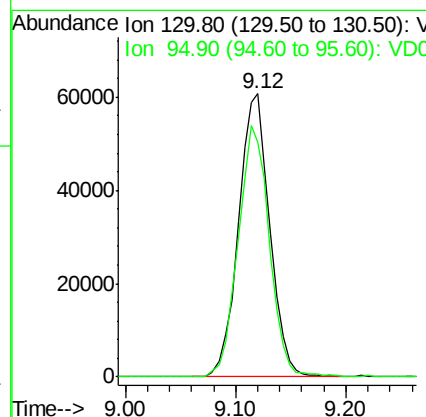
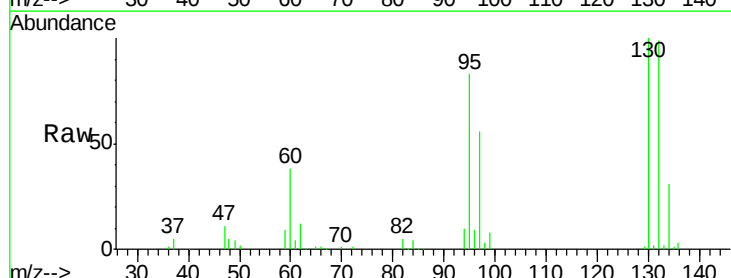
RT: 9.12 min Scan# 1224

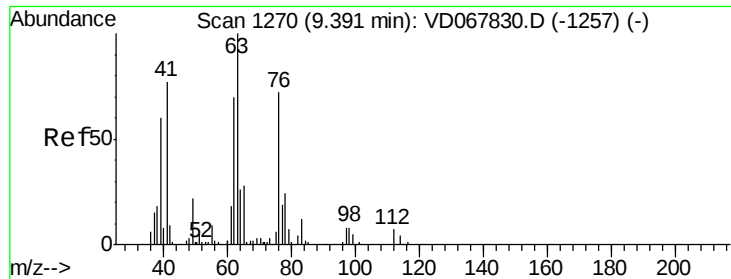
Delta R.T. 0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 120275 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 83.0  | 0.0   | 170.2  |





#45

1,2-Dichloropropane

Concen: 45.779 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 67676

Ion Ratio Lower Upper

63 100

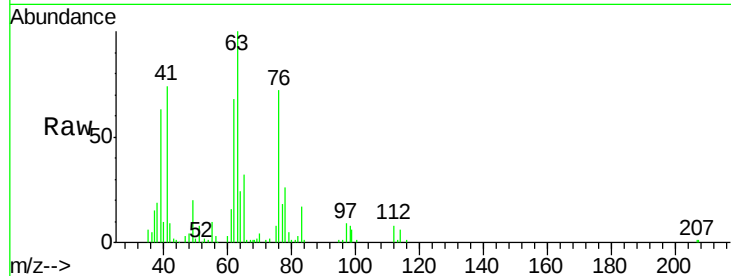
65 32.0 22.8 34.2

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

40000

30000

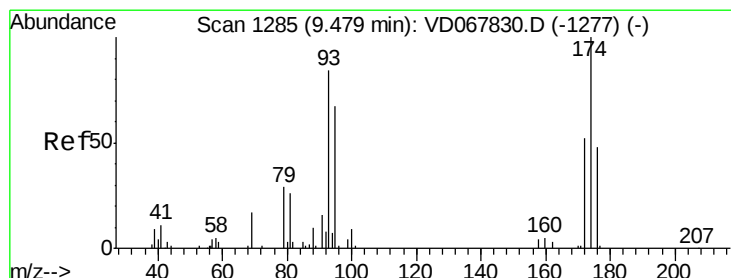
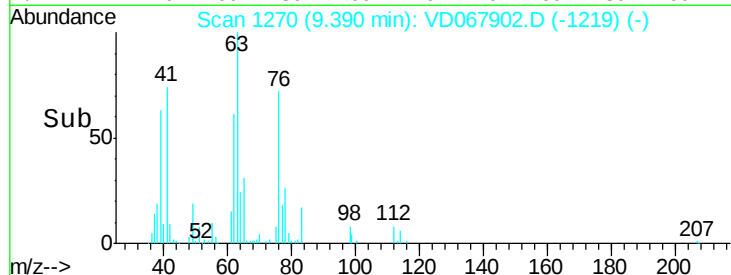
20000

10000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 46.219 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

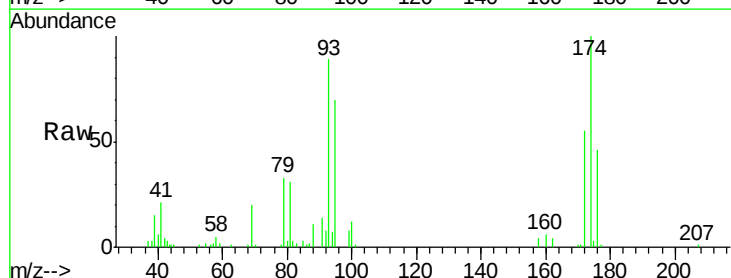
Tgt Ion: 93 Resp: 47505

Ion Ratio Lower Upper

93 100

95 83.5 64.2 96.4

174 119.4 91.5 137.3



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

9.48

30000

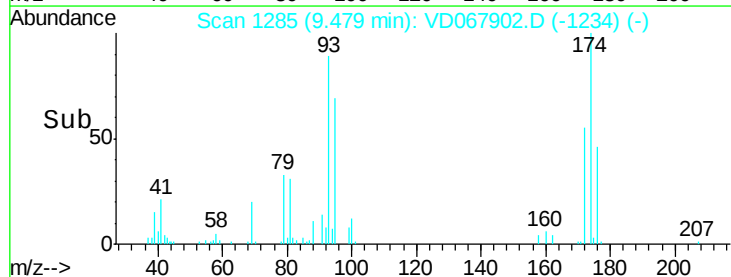
20000

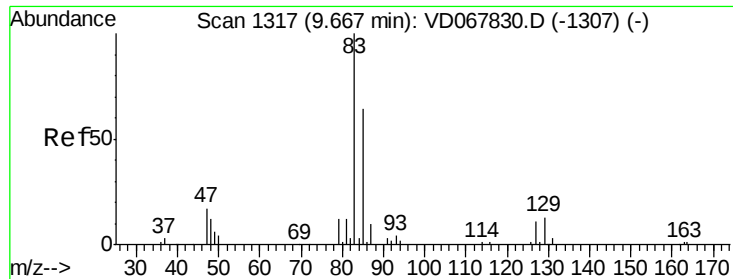
10000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 48.916 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA\_D

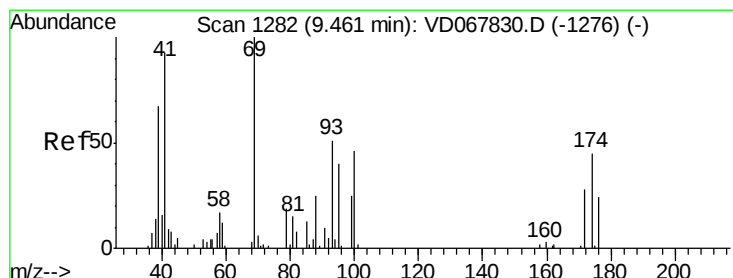
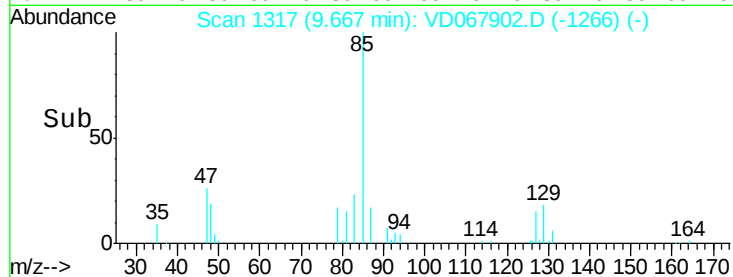
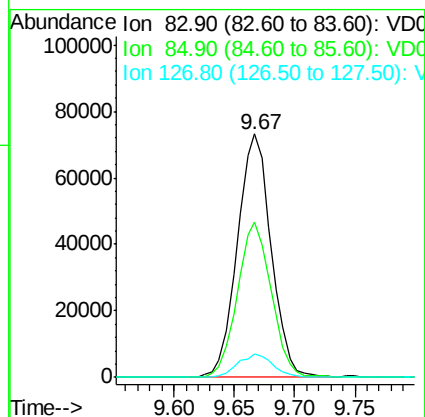
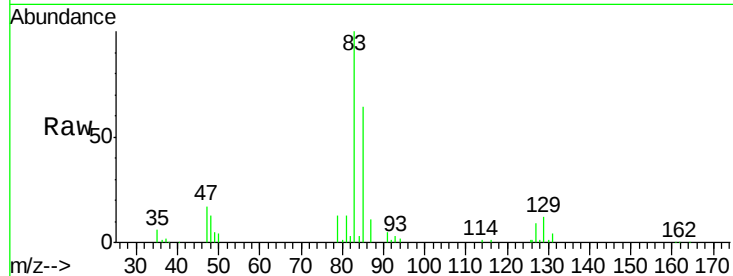
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 143334 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.0  | 51.4  | 77.0   |
| 127       | 9.4   | 8.5   | 12.7   |

Manual Integrations  
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#48

Methyl methacrylate

Concen: 45.920 ug/l

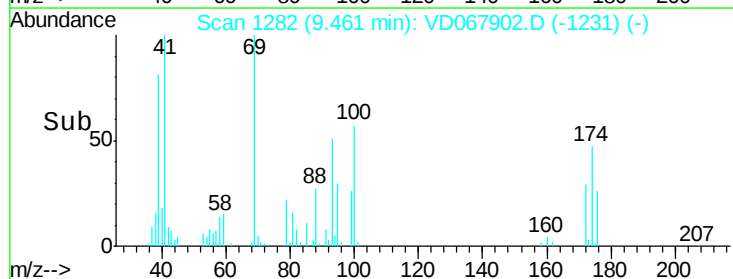
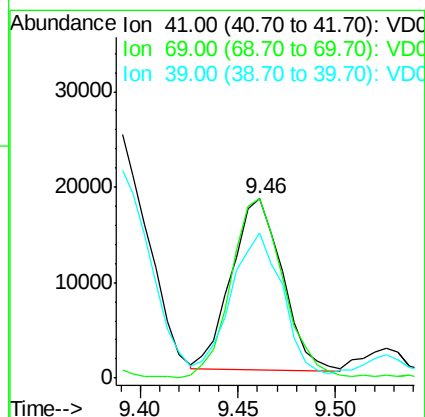
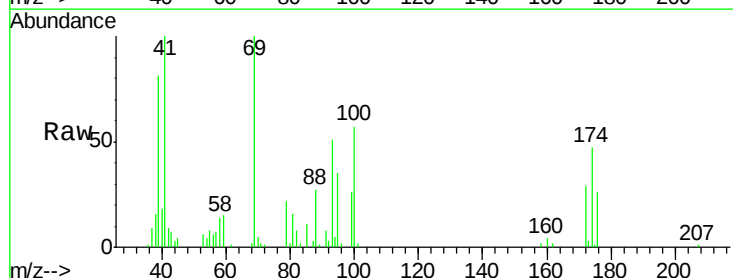
RT: 9.46 min Scan# 1282

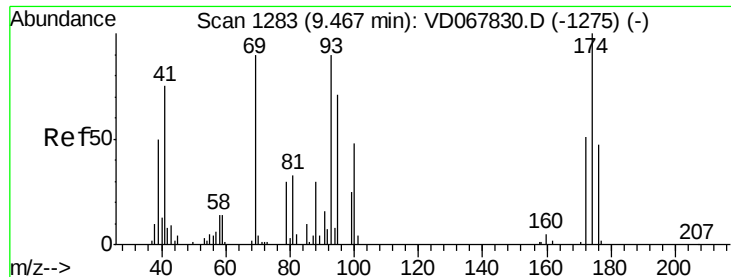
Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 32549 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 107.2 | 87.6  | 131.4 |
| 39        | 81.7  | 61.2  | 91.8  |





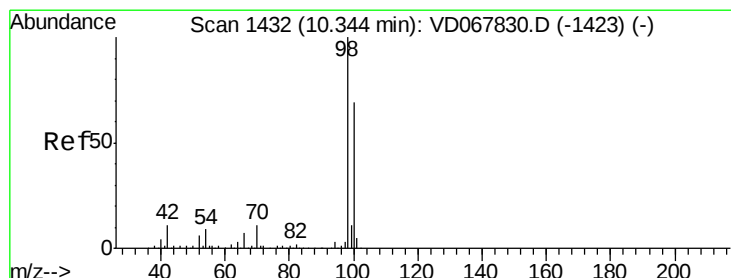
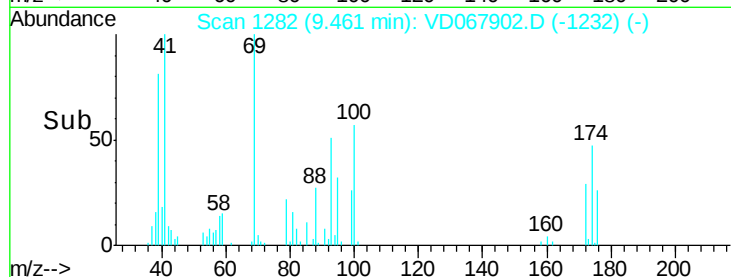
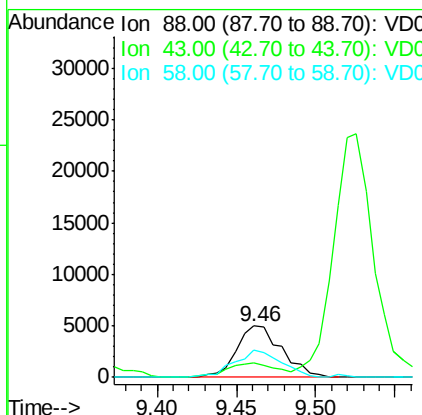
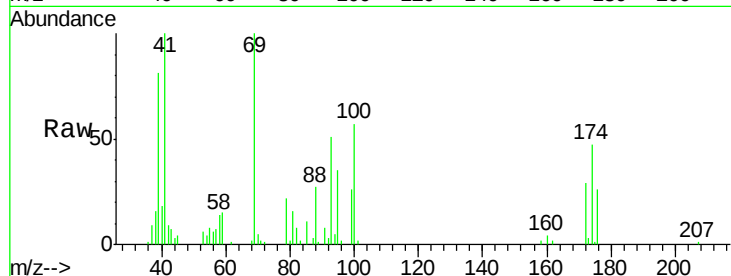
#49  
 1,4-Dioxane  
 Concen: 839.623 ug/l  
 RT: 9.46 min Scan# 1282  
 Delta R.T. -0.01 min  
 Lab File: VD067902.D  
 Acq: 07 Dec 2020 16:25

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | 88    | Resp  | 9861  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 30.6  | 30.1  | 45.1  |
| 58      | 55.1  | 42.4  | 63.6  |

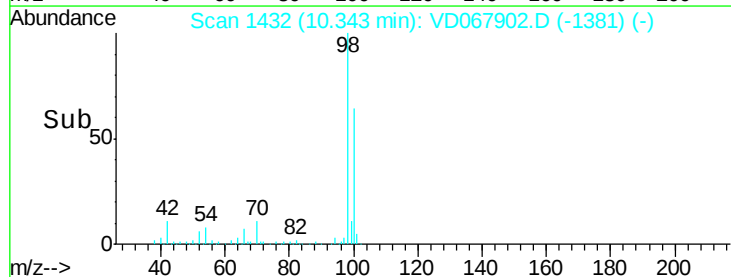
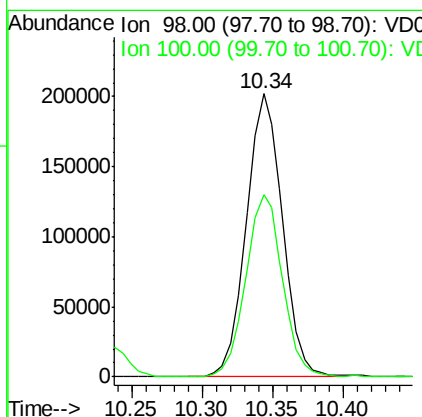
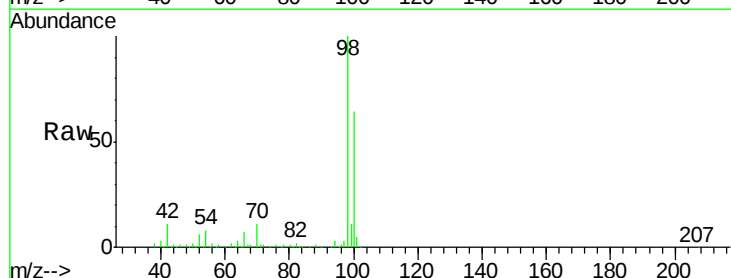
Manual Integrations  
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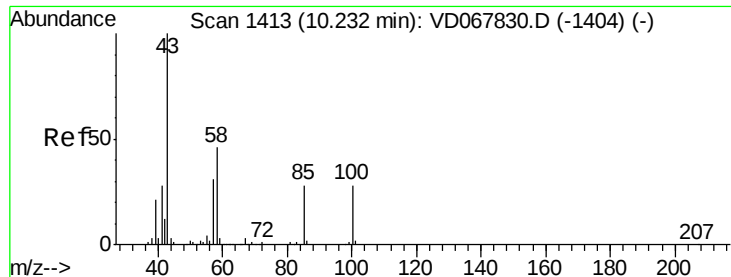
MMDadoda  
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#50  
 Toluene-d8  
 Concen: 49.437 ug/l  
 RT: 10.34 min Scan# 1432  
 Delta R.T. -0.00 min  
 Lab File: VD067902.D  
 Acq: 07 Dec 2020 16:25

| Tgt Ion | 98    | Resp  | 362093 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 66.0  | 52.9  | 79.3   |





#51

4-Methyl-2-Pentanone

Concen: 229.222 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 151439

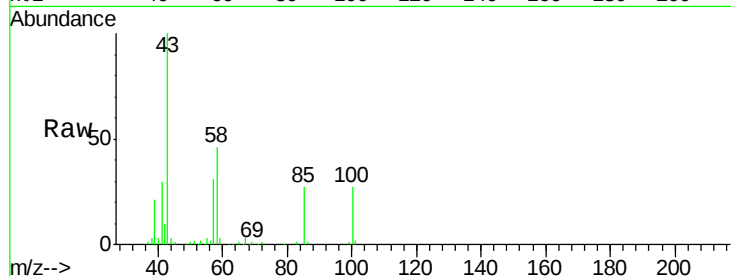
Ion Ratio Lower Upper

43 100

58 44.9 35.7 53.5

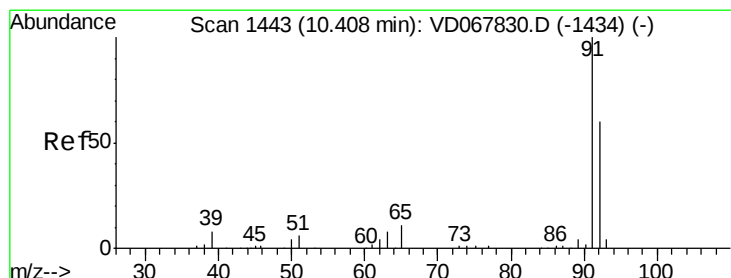
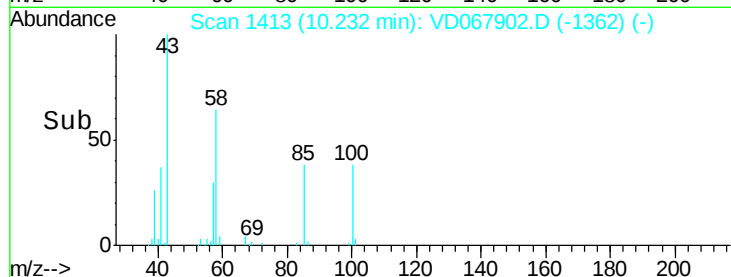
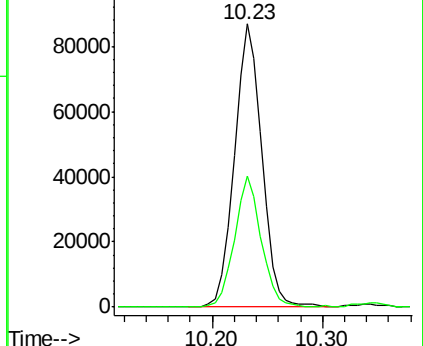
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 49.339 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067902.D

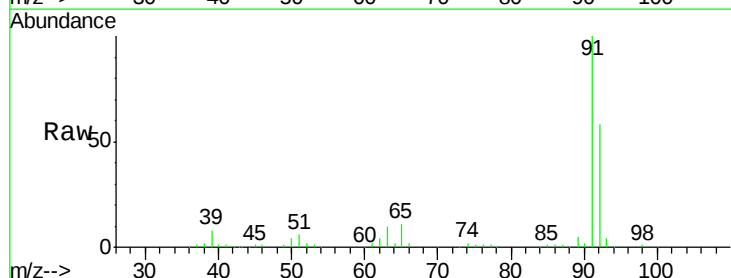
Acq: 07 Dec 2020 16:25

Tgt Ion: 92 Resp: 248462

Ion Ratio Lower Upper

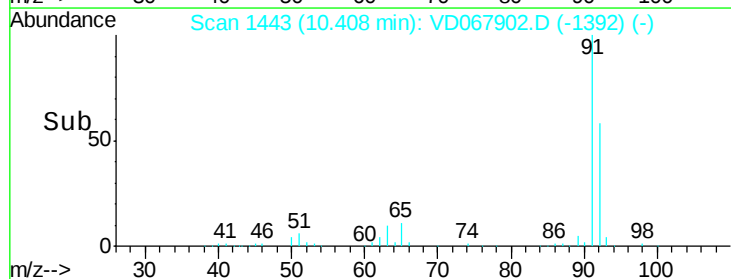
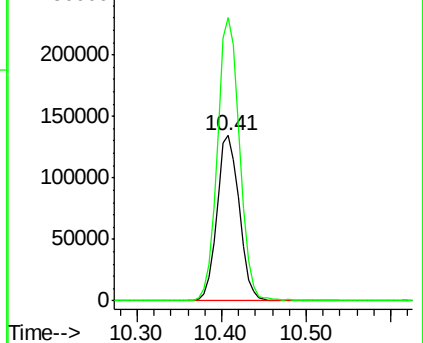
92 100

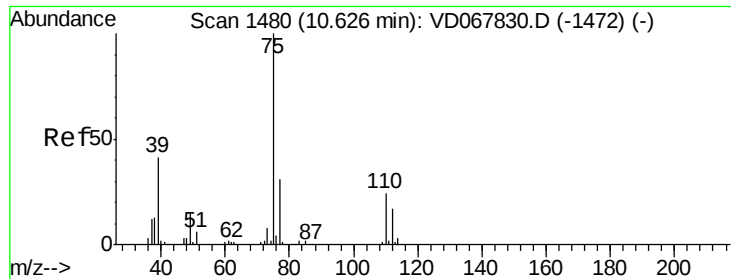
91 169.4 134.2 201.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





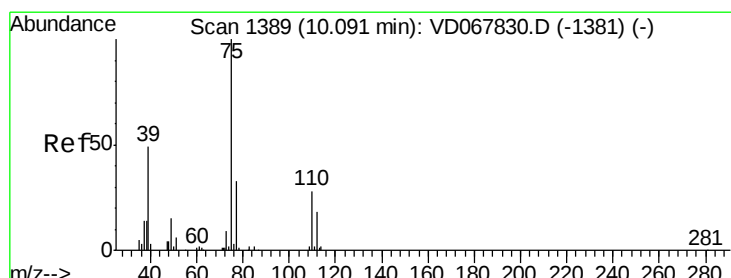
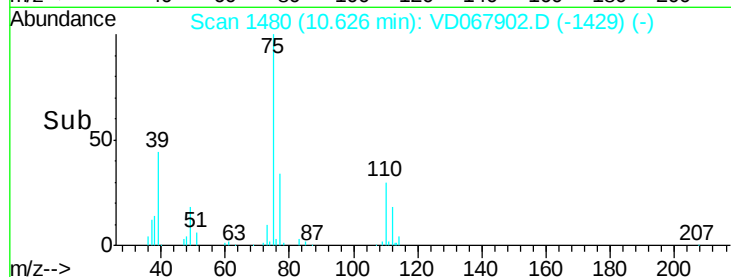
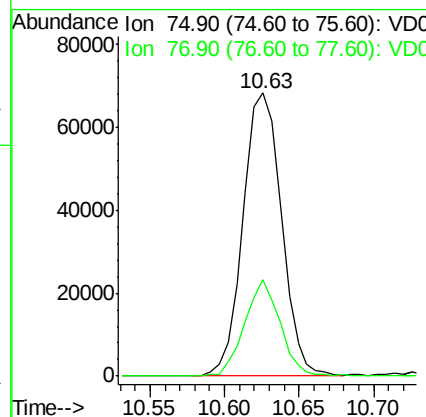
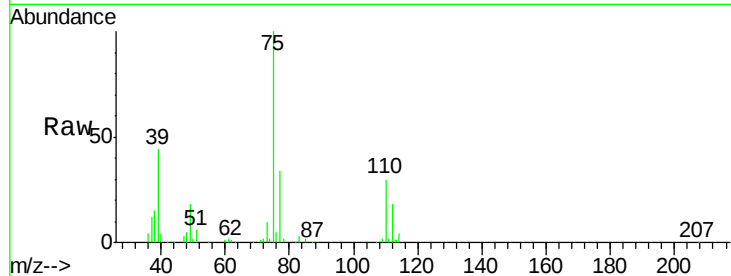
#53  
t-1,3-Dichloropropene  
Concen: 48.397 ug/l  
RT: 10.63 min Scan# 1480  
Delta R.T. -0.00 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 33.9  | 25.0  | 37.4  |

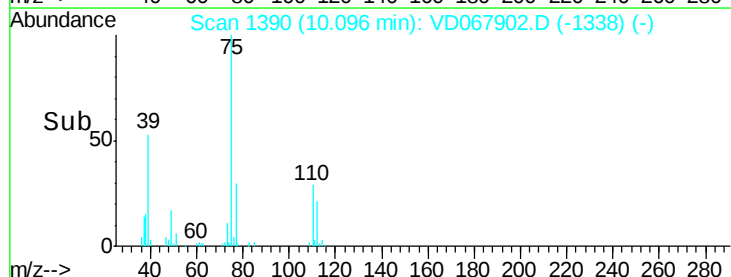
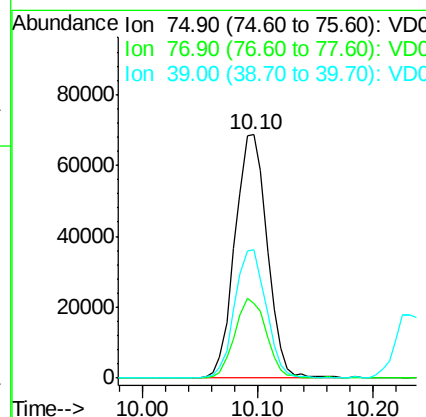
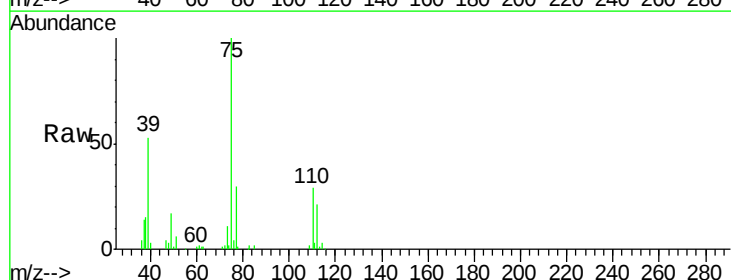
Manual Integrations  
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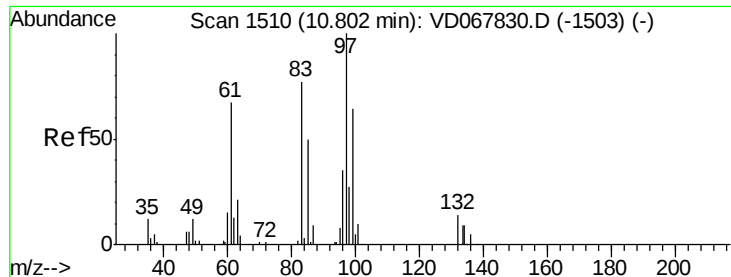
MMDadoda  
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#54  
cis-1,3-Dichloropropene  
Concen: 48.510 ug/l  
RT: 10.10 min Scan# 1390  
Delta R.T. 0.01 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.5  | 26.2  | 39.2  |
| 39      | 52.6  | 39.0  | 58.4  |





#55

1,1,2-Trichloroethane

Concen: 46.246 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA\_D

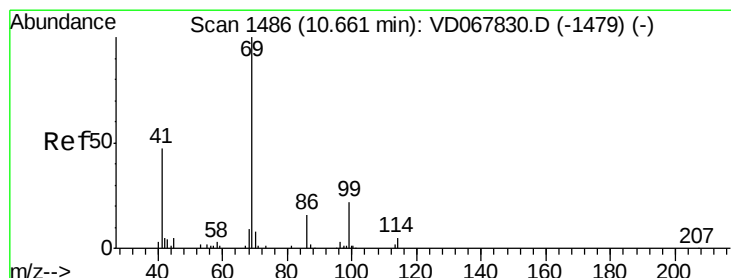
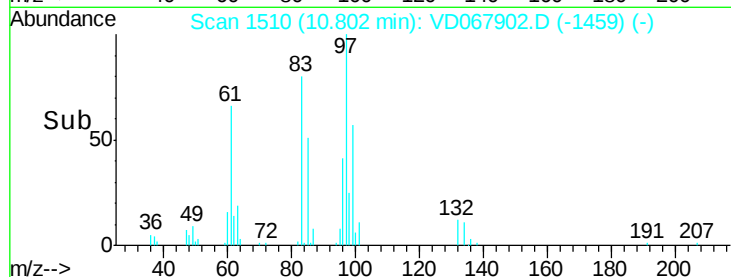
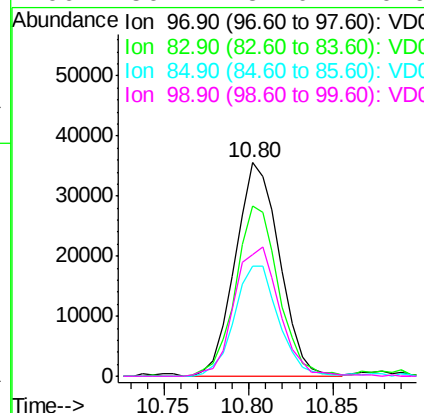
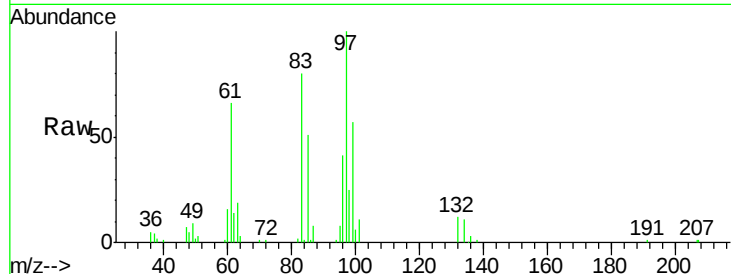
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 65050 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 79.0  | 61.9  | 92.9  |
| 85       | 51.5  | 40.2  | 60.4  |
| 99       | 56.4  | 51.0  | 76.6  |

Manual Integrations  
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12/8/2020 5:05:45 PM



#56

Ethyl methacrylate

Concen: 46.818 ug/l

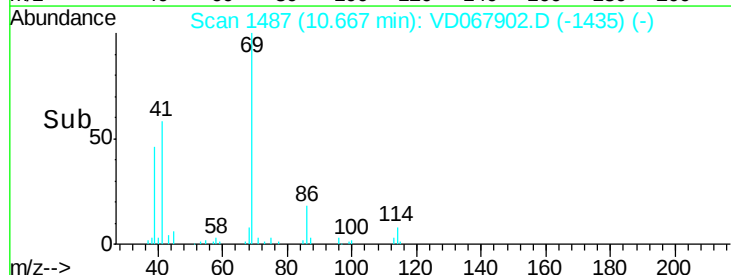
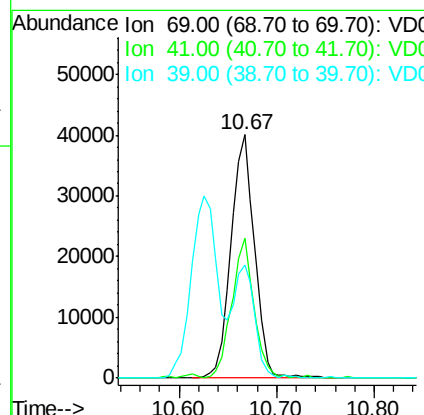
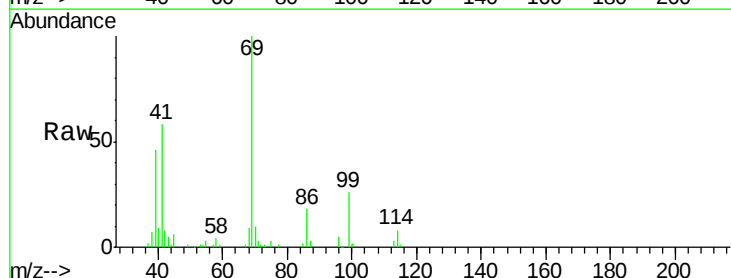
RT: 10.67 min Scan# 1487

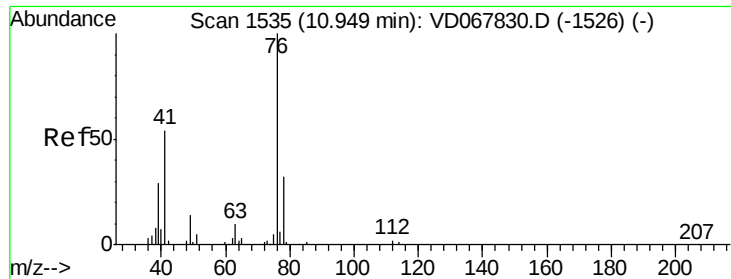
Delta R.T. 0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 67003 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 54.4  | 42.8  | 64.2  |
| 39       | 40.3  | 30.5  | 45.7  |





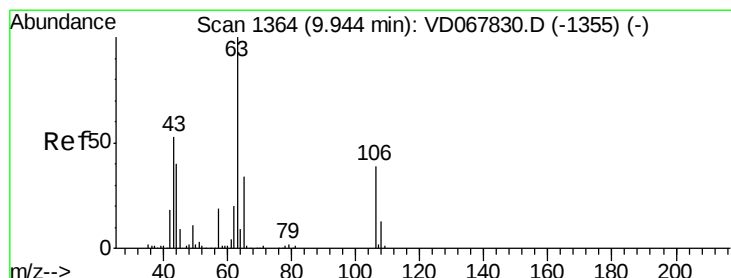
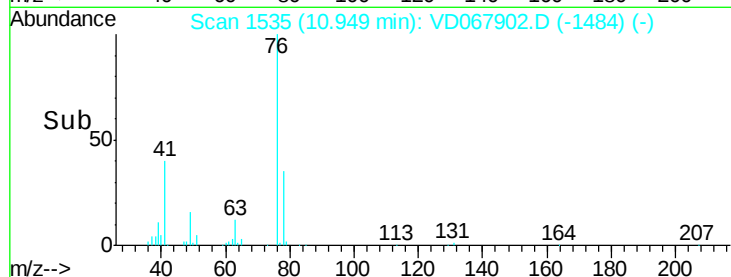
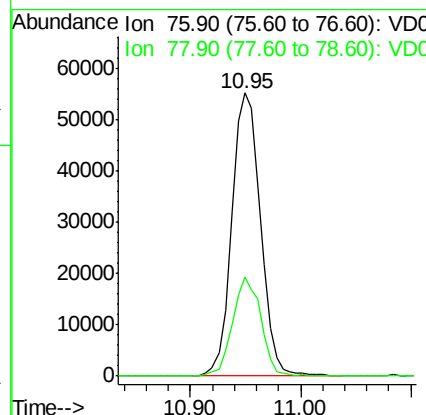
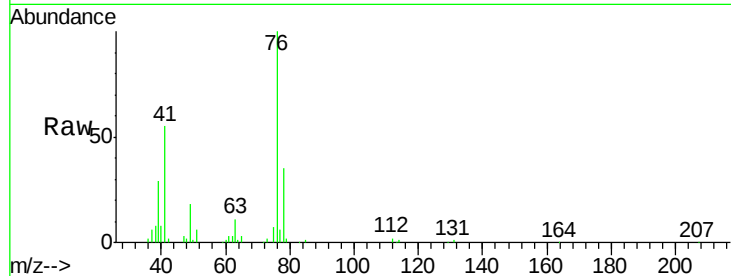
#57  
 1,3-Dichloropropane  
 Concen: 45.276 ug/l  
 RT: 10.95 min Scan# 1535  
 Delta R.T. -0.00 min  
 Lab File: VD067902.D  
 Acq: 07 Dec 2020 16:25

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 76 Resp: 100880  
 Ion Ratio Lower Upper  
 76 100  
 78 34.4 26.6 39.8

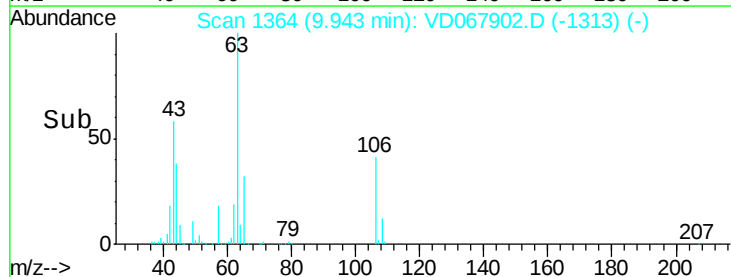
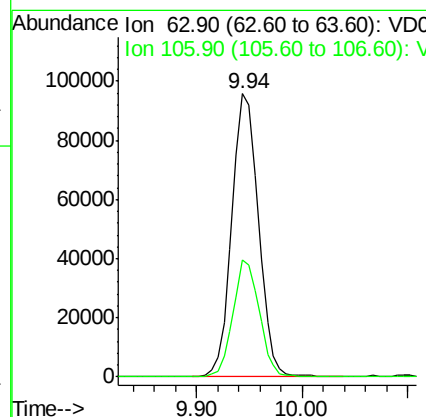
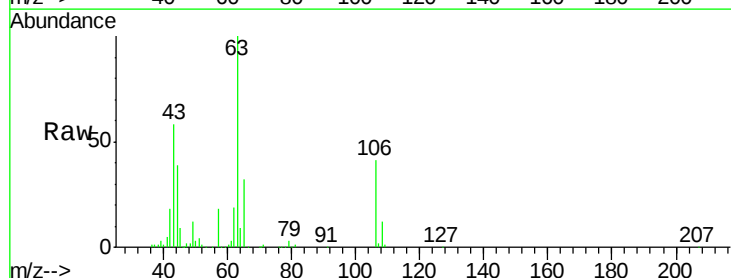
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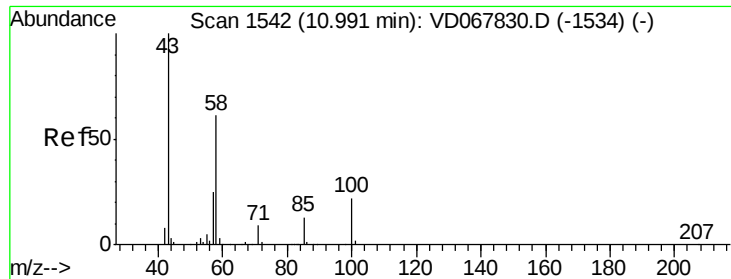
MMDadoda  
 12/8/2020 5:05:45 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 257.675 ug/l  
 RT: 9.94 min Scan# 1364  
 Delta R.T. -0.00 min  
 Lab File: VD067902.D  
 Acq: 07 Dec 2020 16:25

Tgt Ion: 63 Resp: 167803  
 Ion Ratio Lower Upper  
 63 100  
 106 40.4 32.0 48.0





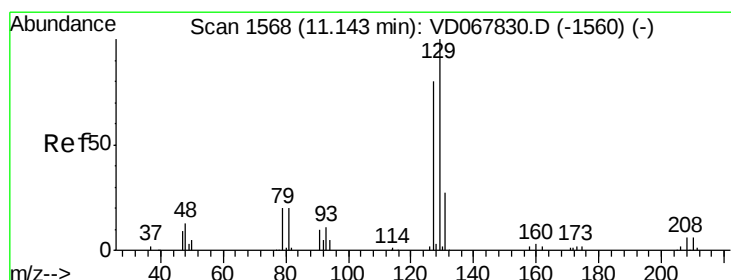
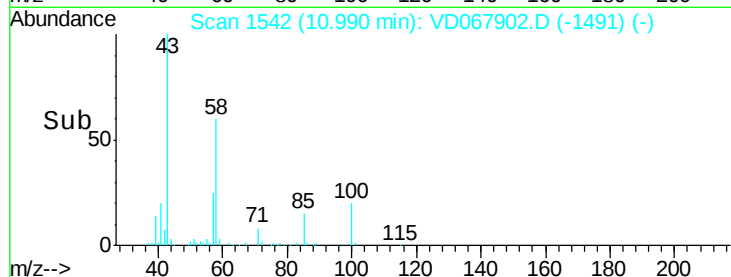
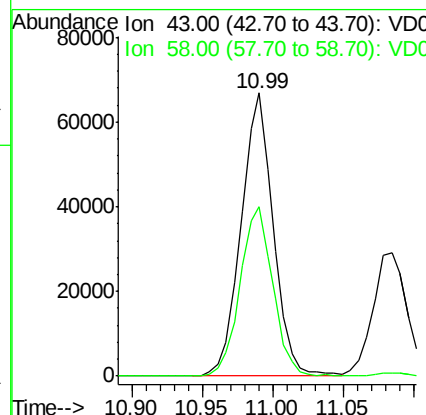
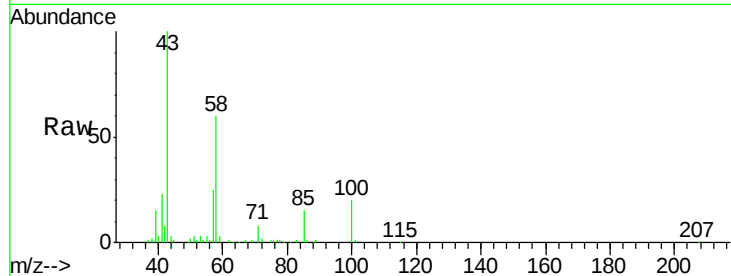
#59  
2-Hexanone  
Concen: 228.236 ug/l  
RT: 10.99 min Scan# 1542  
Delta R.T. -0.00 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 106297  
Ion Ratio Lower Upper  
43 100  
58 60.7 29.9 89.7

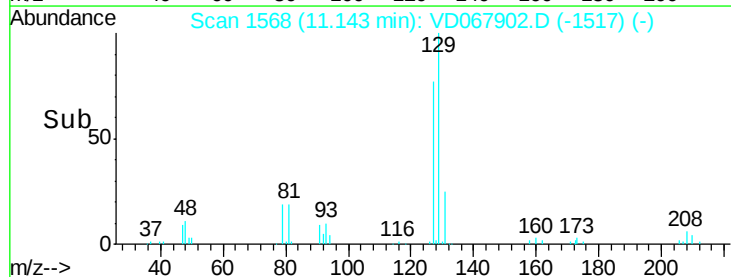
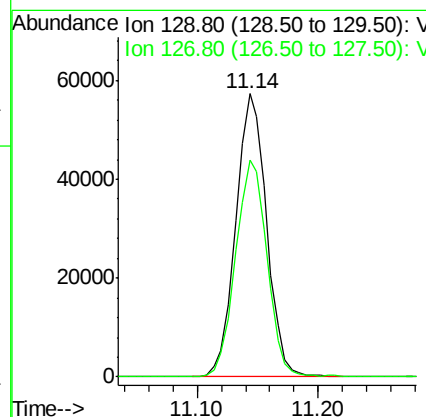
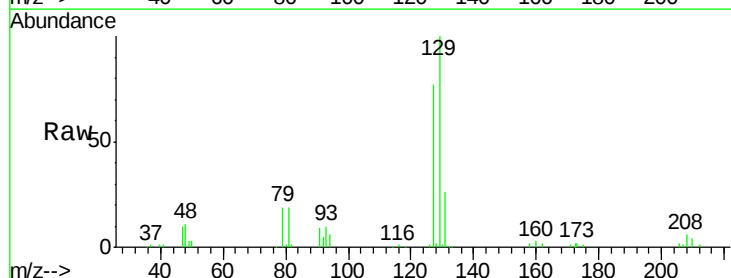
Manual Integrations  
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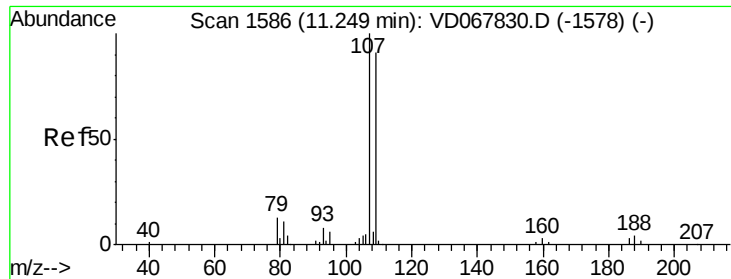
MMDadoda  
12/8/2020 5:05:45 PM



#60  
Dibromochloromethane  
Concen: 48.060 ug/l  
RT: 11.14 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

Tgt Ion: 129 Resp: 101903  
Ion Ratio Lower Upper  
129 100  
127 78.0 39.2 117.6





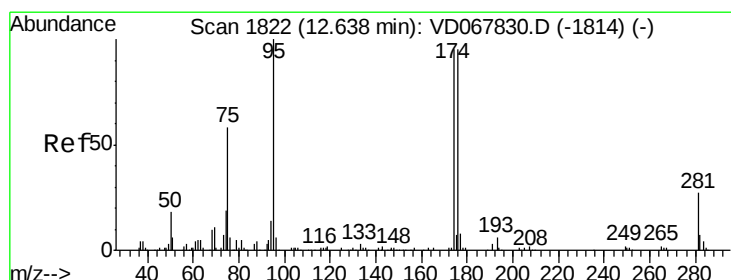
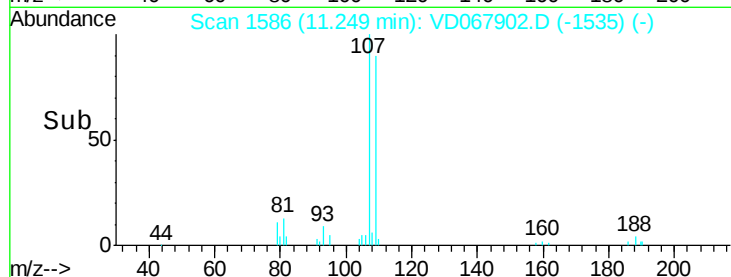
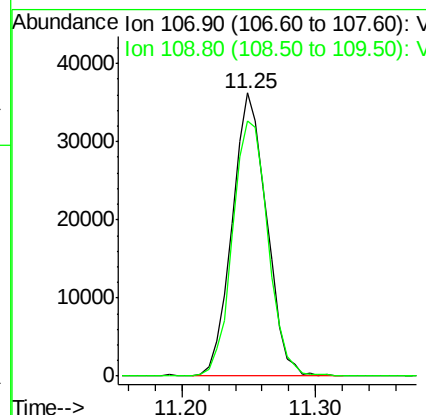
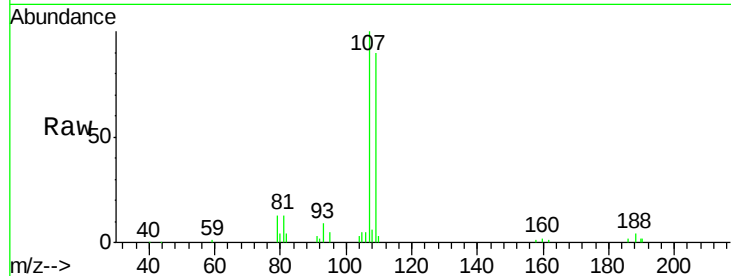
#61  
 1,2-Dibromoethane  
 Concen: 47.218 ug/l  
 RT: 11.25 min Scan# 1586  
 Delta R.T. -0.00 min  
 Lab File: VD067902.D  
 Acq: 07 Dec 2020 16:25

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 107 Resp: 65314  
 Ion Ratio Lower Upper  
 107 100  
 109 92.5 75.9 113.9

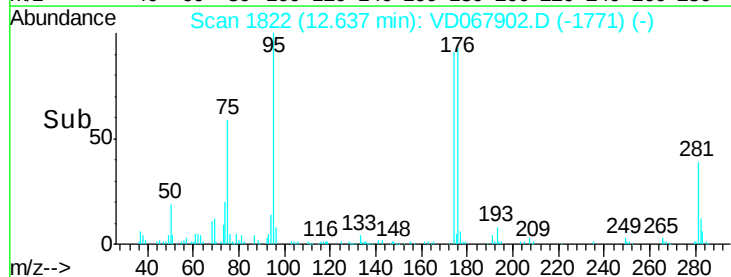
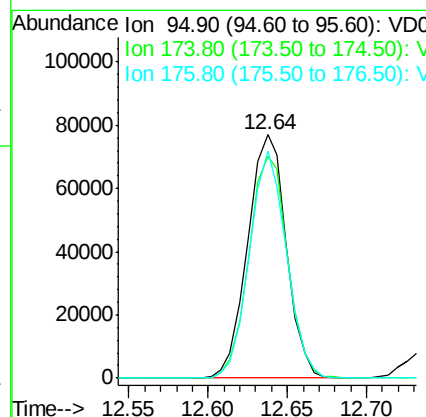
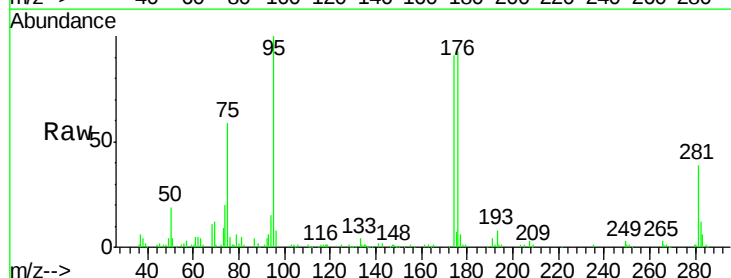
Manual Integrations  
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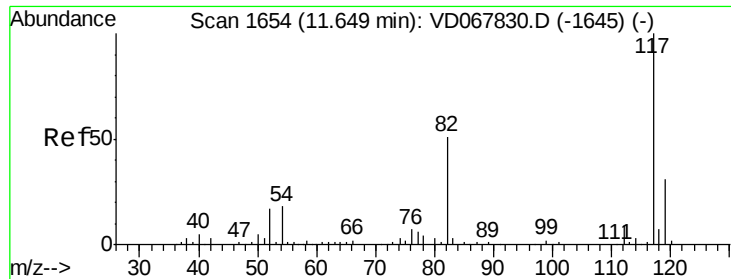
MMDadoda  
 12/8/2020 5:05:45 PM



#62  
 4-Bromofluorobenzene  
 Concen: 51.265 ug/l  
 RT: 12.64 min Scan# 1822  
 Delta R.T. -0.00 min  
 Lab File: VD067902.D  
 Acq: 07 Dec 2020 16:25

Tgt Ion: 95 Resp: 129815  
 Ion Ratio Lower Upper  
 95 100  
 174 91.8 0.0 186.0  
 176 89.2 0.0 184.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA\_D

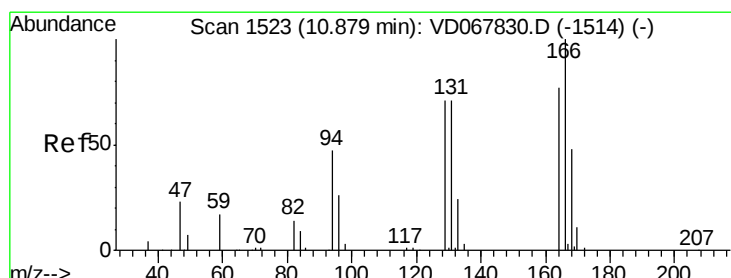
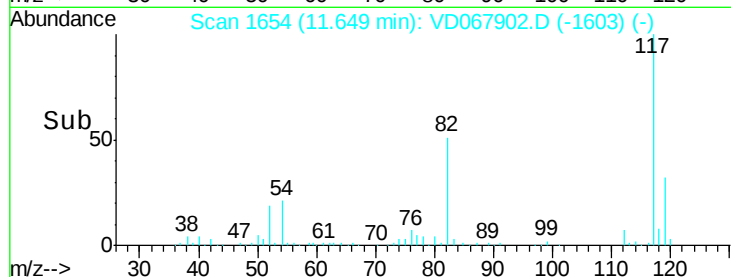
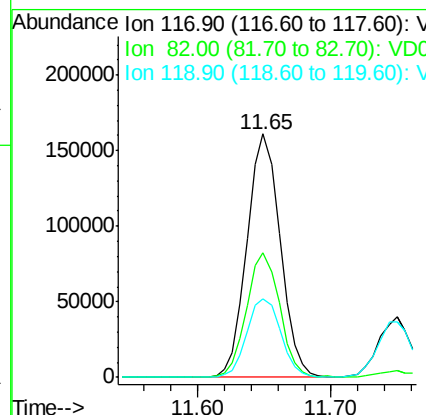
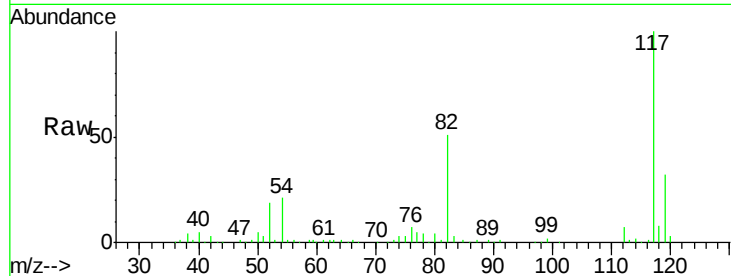
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 117   | Resp: | 276943 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 51.1  | 40.6  | 60.8   |
| 119       | 32.3  | 25.1  | 37.7   |

Manual Integrations  
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12/8/2020 5:05:45 PM



#64

Tetrachloroethene

Concen: 47.646 ug/l

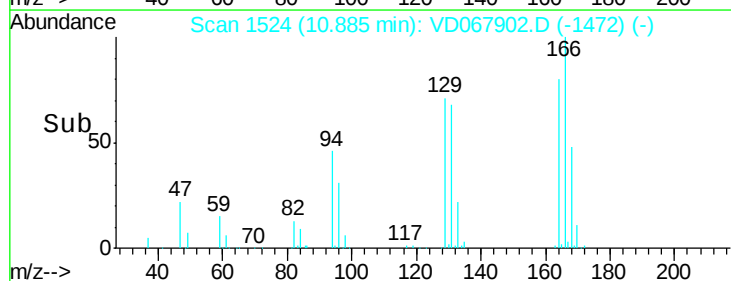
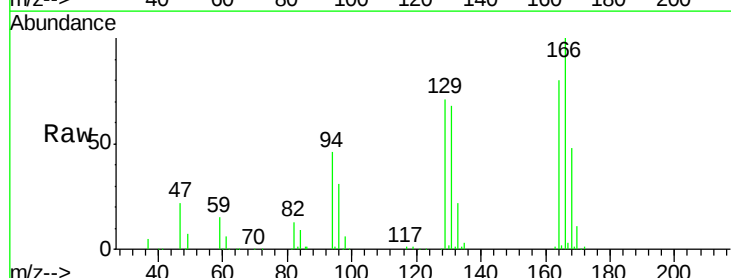
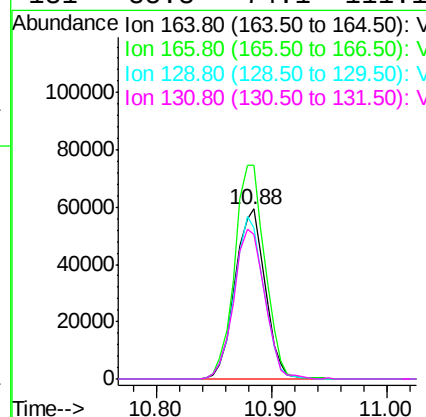
RT: 10.88 min Scan# 1524

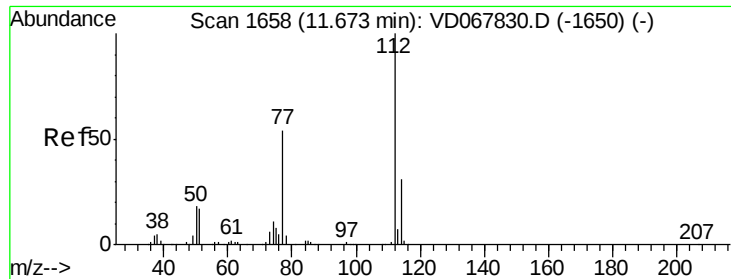
Delta R.T. 0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 107631 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 166       | 125.7 | 103.8 | 155.6  |
| 129       | 88.7  | 73.3  | 109.9  |
| 131       | 85.3  | 74.1  | 111.1  |





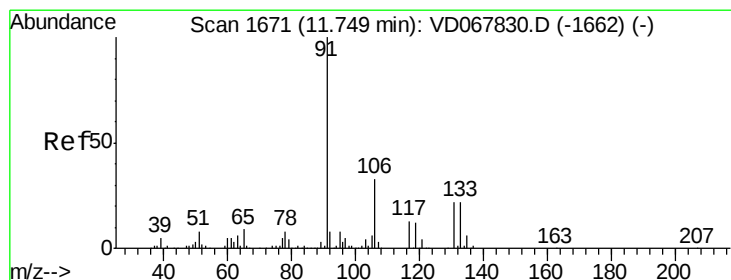
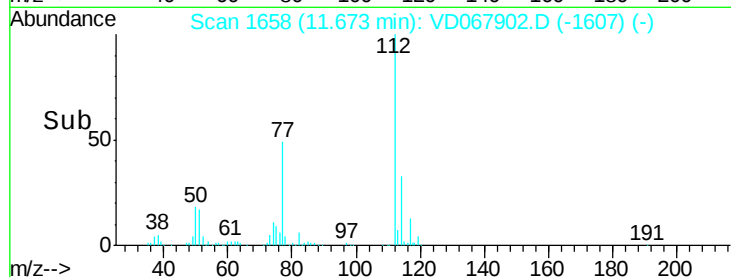
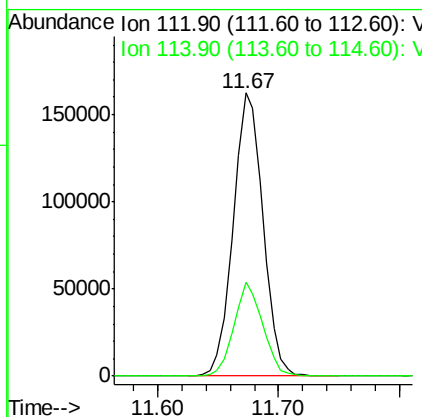
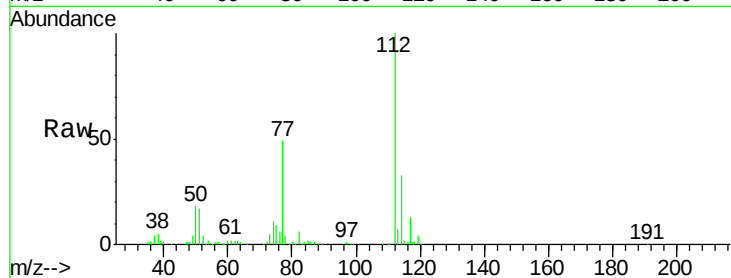
#65  
Chlorobenzene  
Concen: 49.040 ug/l  
RT: 11.67 min Scan# 1658  
Delta R.T. -0.00 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 33.1  | 25.0  | 37.4  |

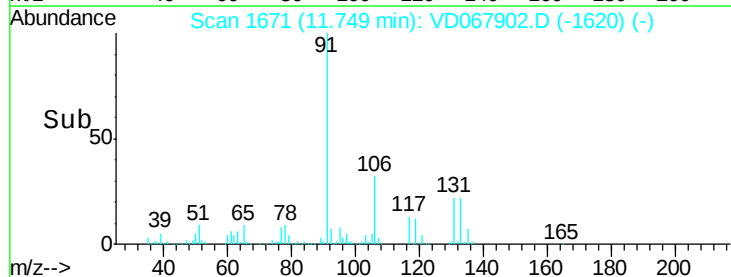
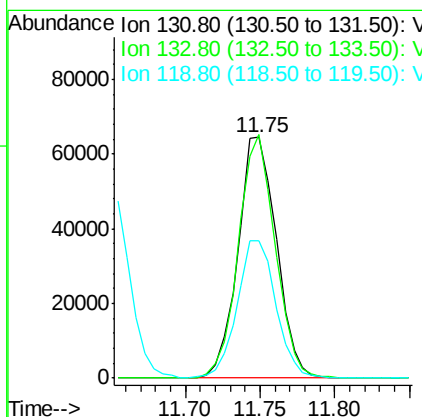
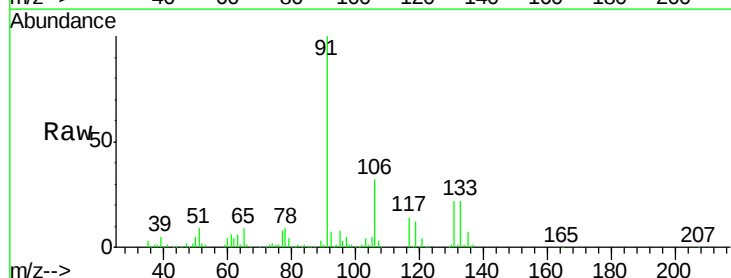
Manual Integrations  
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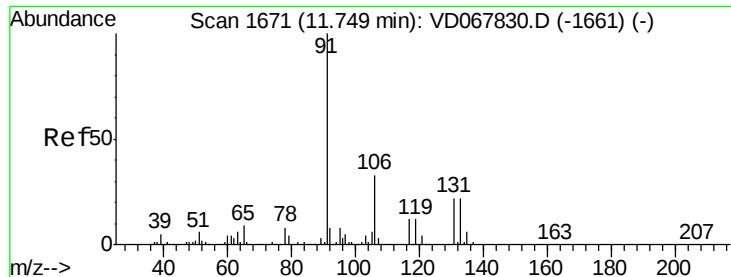
MMDadoda  
12/8/2020 5:05:45 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.397 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. -0.00 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 96.9  | 49.9  | 149.7 |
| 119     | 57.7  | 29.6  | 88.9  |





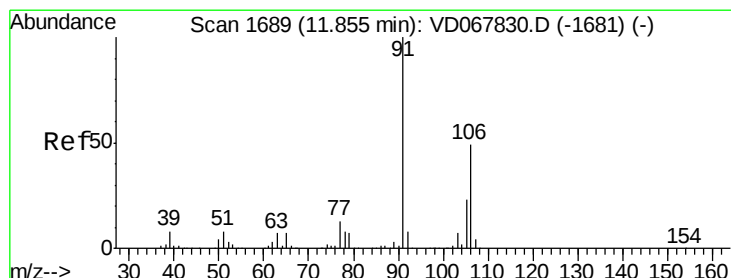
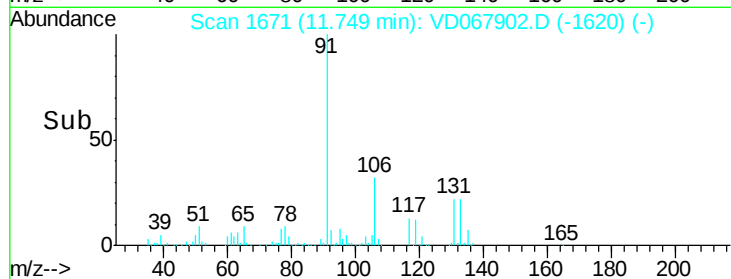
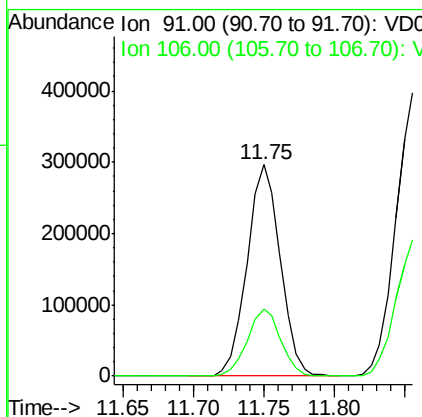
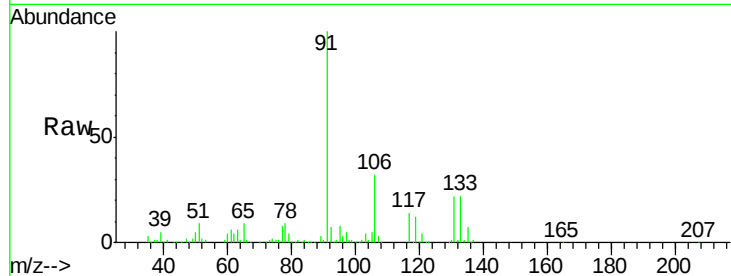
#67  
Ethyl Benzene  
Concen: 50.402 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. -0.00 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 490637  
Ion Ratio Lower Upper  
91 100  
106 31.5 26.2 39.2

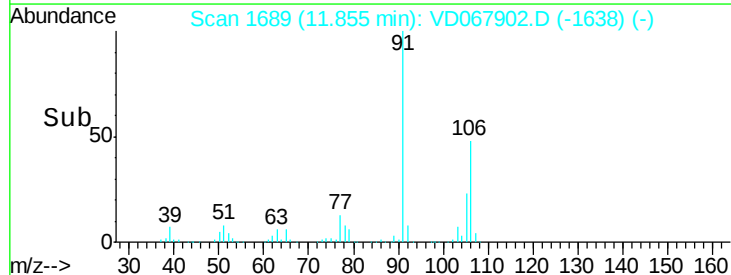
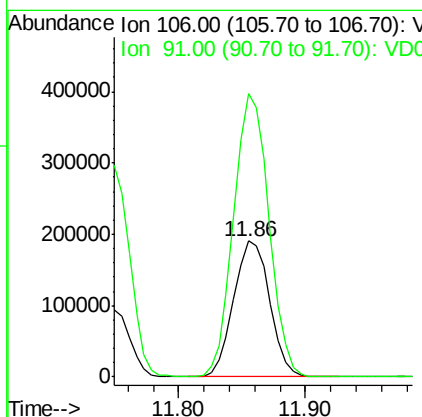
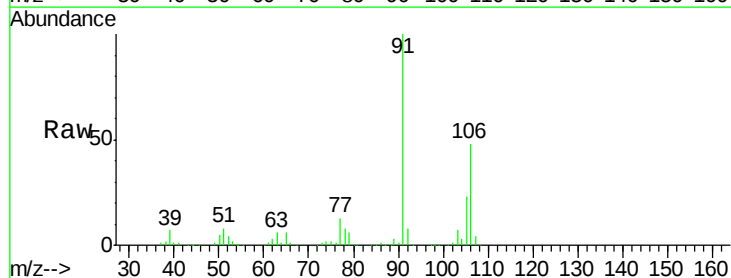
Manual Integrations  
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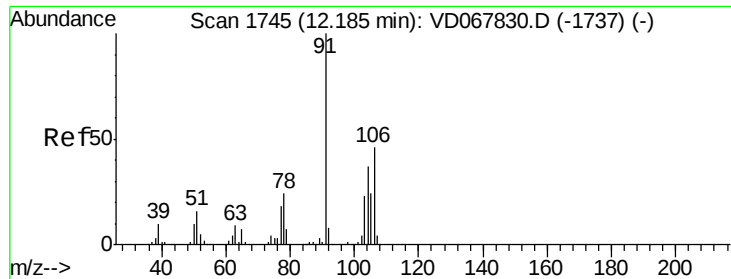
MMDadoda  
12/8/2020 5:05:45 PM



#68  
m/p-Xylenes  
Concen: 98.270 ug/l  
RT: 11.86 min Scan# 1689  
Delta R.T. -0.00 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

Tgt Ion: 106 Resp: 377199  
Ion Ratio Lower Upper  
106 100  
91 203.5 162.8 244.2





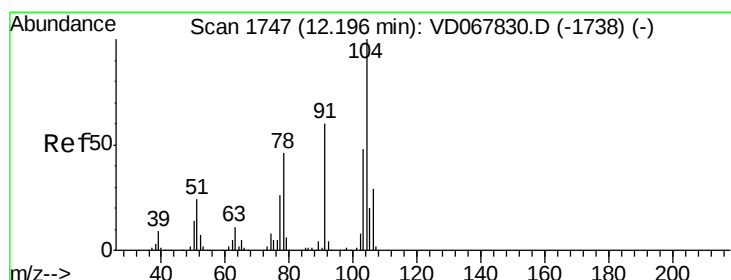
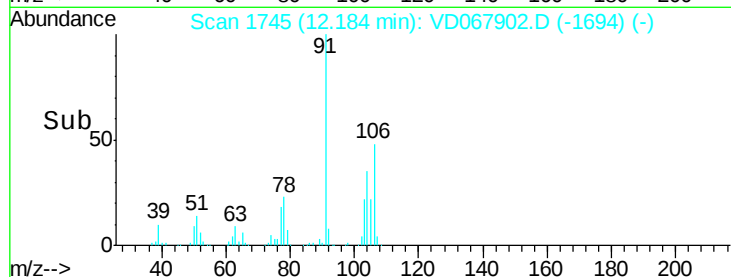
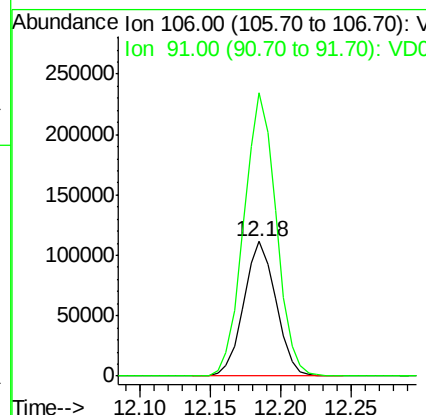
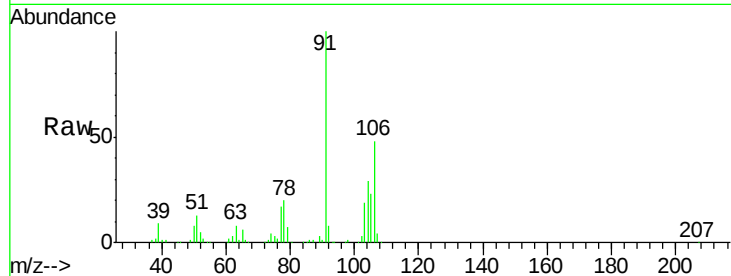
#69  
o-Xylene  
Concen: 52.377 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. -0.00 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 178480 |       |       |
| 91      | 210.7 | 107.5 | 322.5  |       |       |

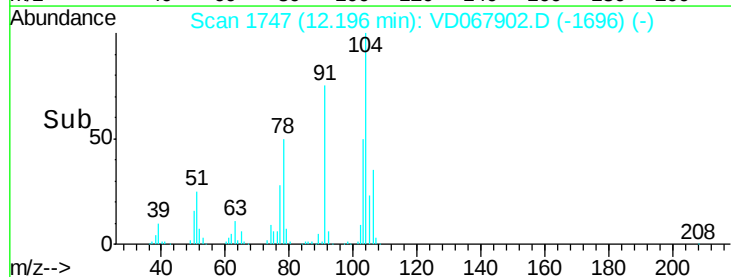
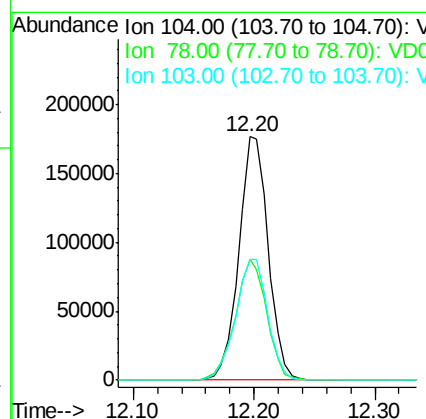
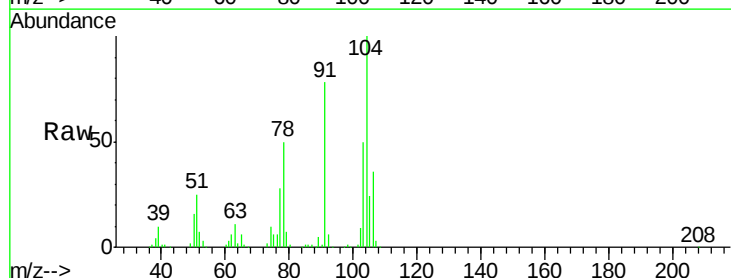
Manual Integrations  
APPROVED

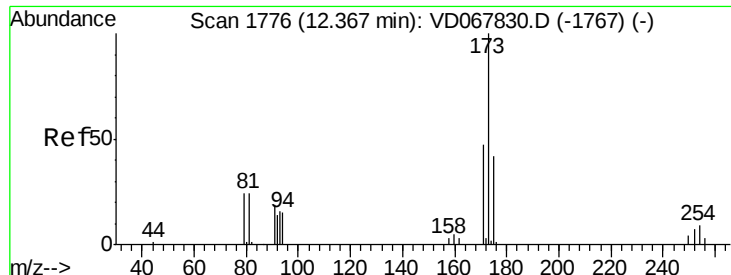
MMDadoda  
12/8/2020 5:05:45 PM



#70  
Styrene  
Concen: 50.379 ug/l  
RT: 12.20 min Scan# 1747  
Delta R.T. -0.00 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       | 298515 |       |       |
| 78      | 53.0 | 41.6  | 62.4   |       |       |
| 103     | 54.3 | 43.2  | 64.8   |       |       |





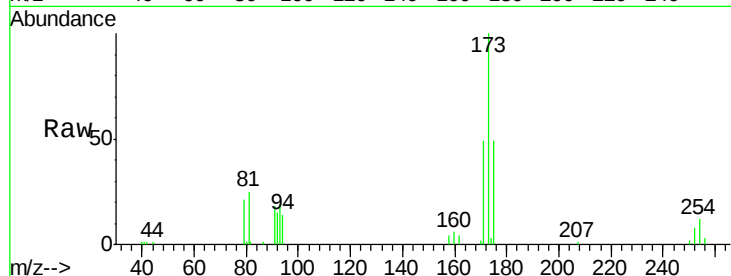
#71  
Bromoform  
Concen: 49.498 ug/l  
RT: 12.37 min Scan# 1776  
Delta R.T. -0.00 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

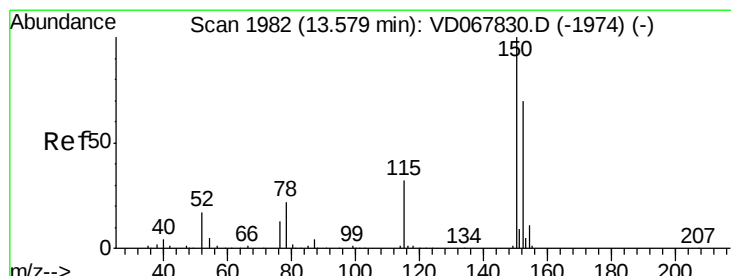
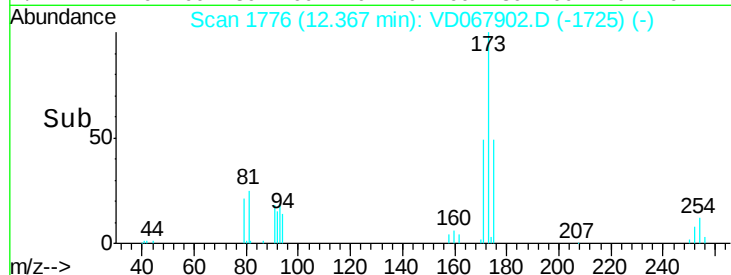
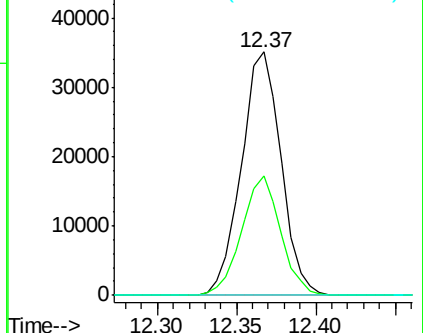
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.0  | 23.4  | 70.3  |
| 254     | 0.0   | 0.1   | 0.1   |

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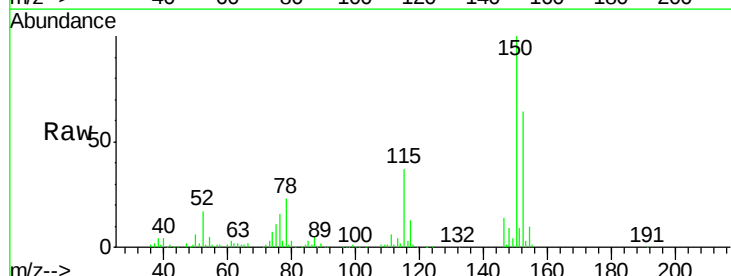


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

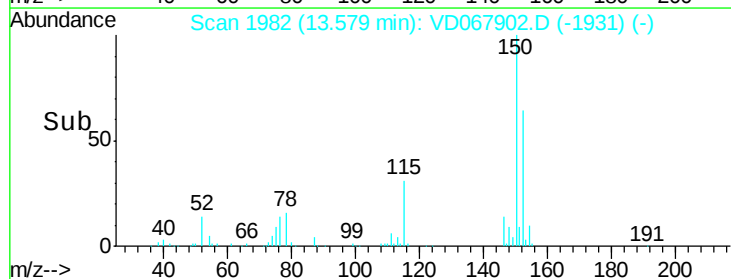
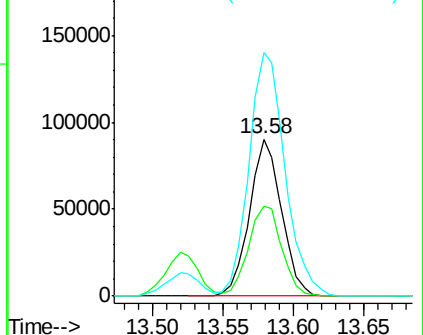


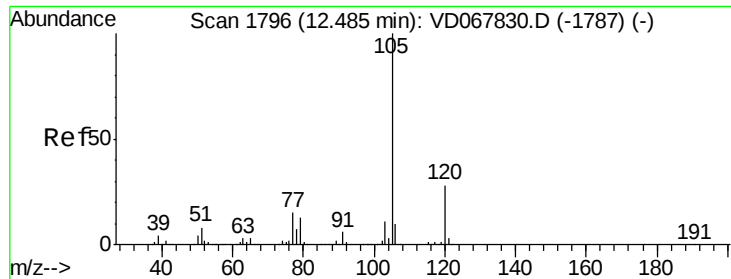
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. -0.00 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.7  | 29.1  | 87.4  |
| 150     | 175.1 | 0.0   | 339.0 |



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





#73

Isopropylbenzene

Concen: 50.995 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 505050

Ion Ratio Lower Upper

105 100

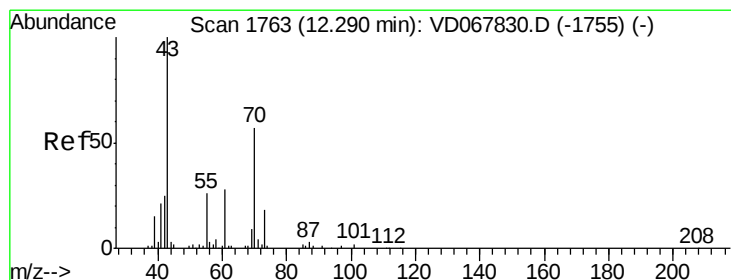
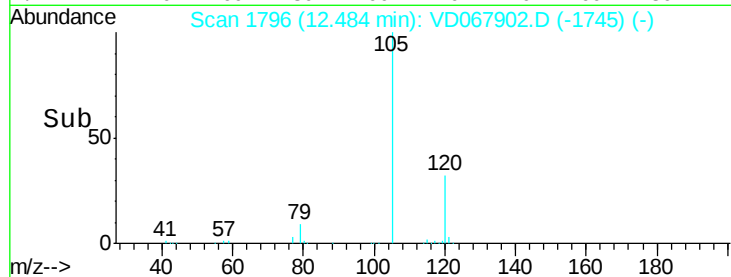
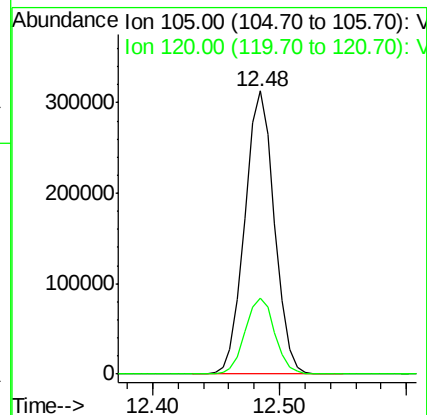
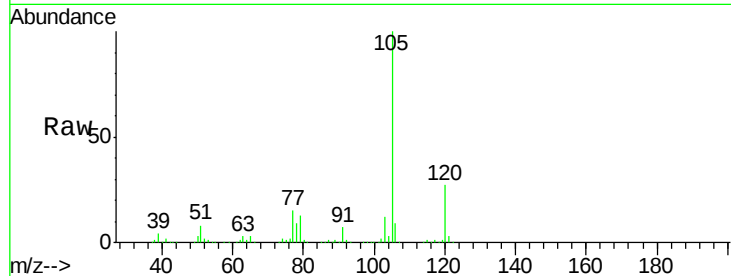
120 26.9 13.9 41.6

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#74

N-ethyl acetate

Concen: 44.436 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Tgt Ion: 43 Resp: 54437

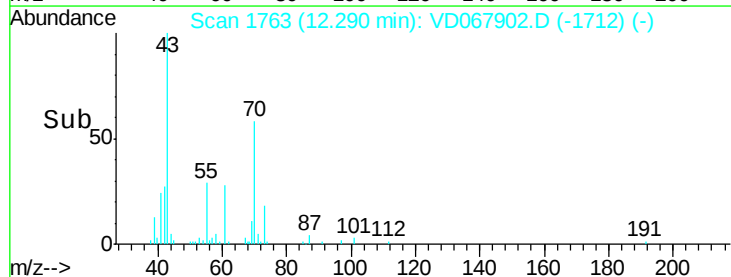
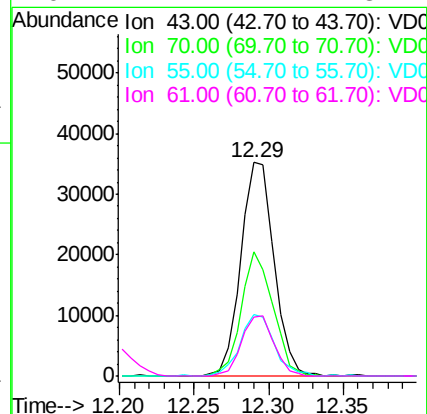
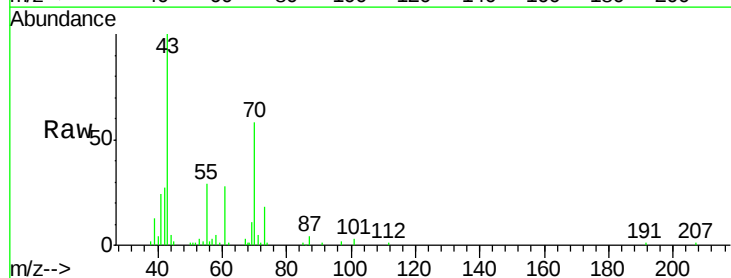
Ion Ratio Lower Upper

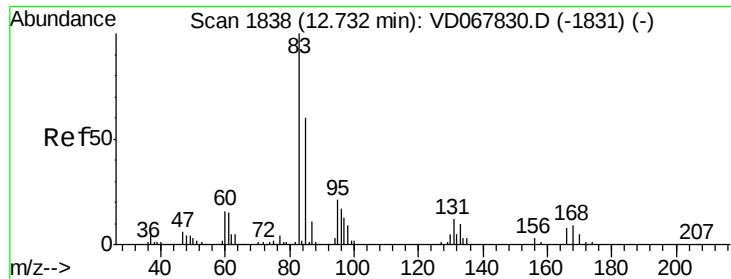
43 100

70 55.6 44.6 66.8

55 29.5 22.2 33.2

61 27.4 22.7 34.1





#75

1,1,2,2-Tetrachloroethane

Concen: 44.584 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA\_D

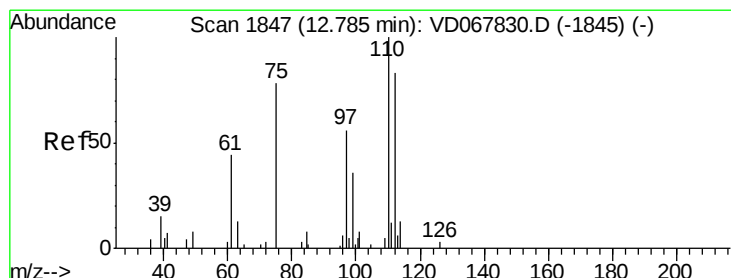
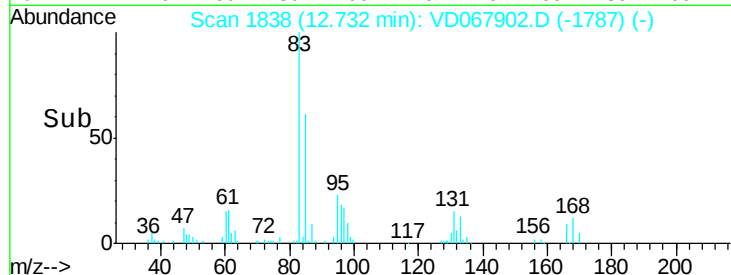
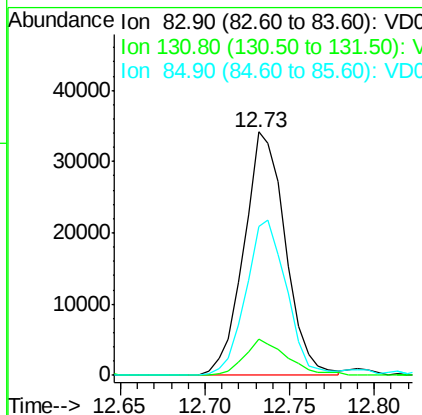
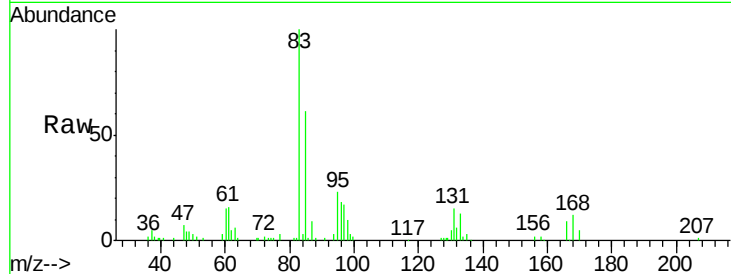
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 58297 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 15.2  | 8.0   | 24.0  |
| 85        | 62.5  | 31.7  | 95.1  |

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#76

1,2,3-Trichloropropane

Concen: 46.136 ug/l m

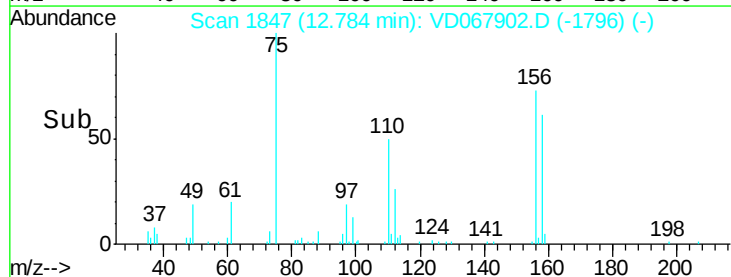
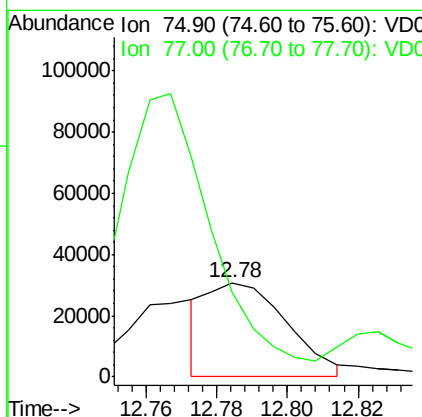
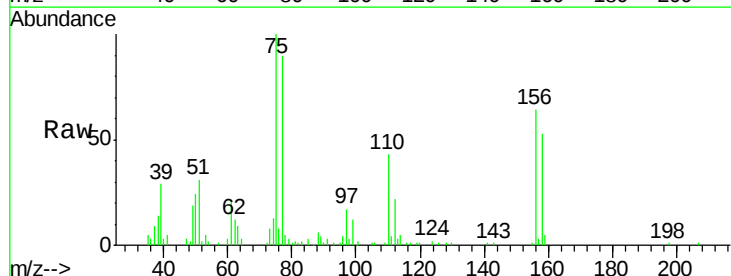
RT: 12.78 min Scan# 1847

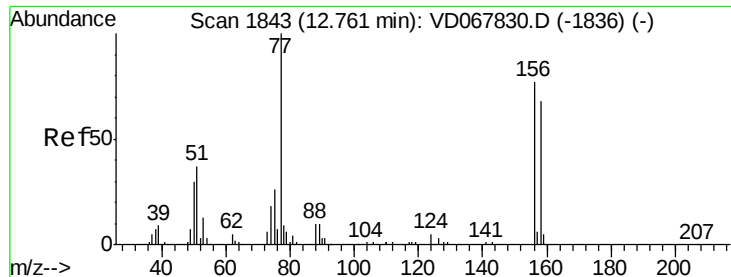
Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 48386 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 358.2 | 175.9 | 527.7 |





#77

Bromobenzene

Concen: 49.443 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA\_D

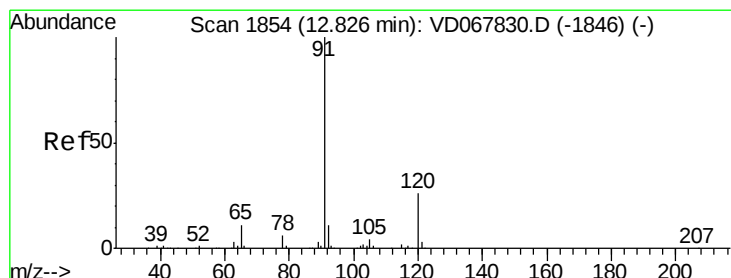
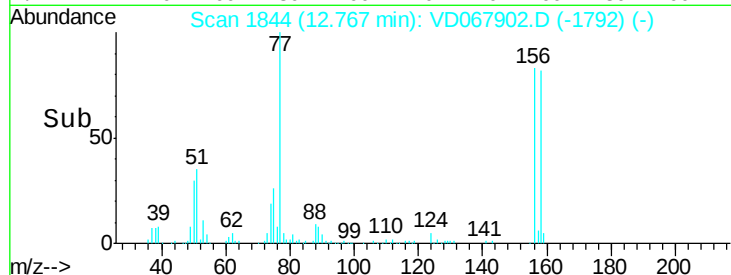
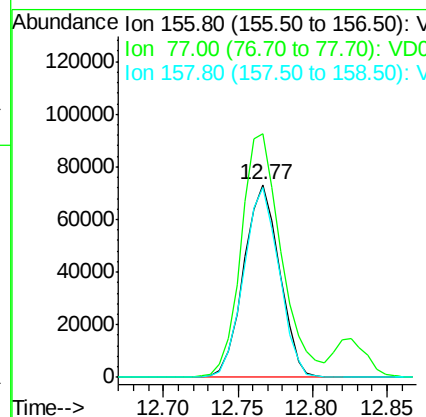
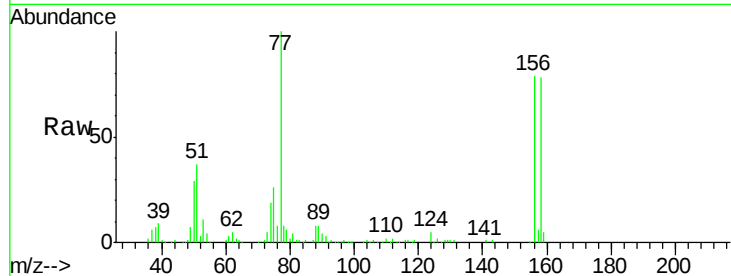
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 121739 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 142.3 | 71.5  | 214.5  |
| 158       | 97.3  | 47.1  | 141.4  |

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#78

n-propylbenzene

Concen: 50.062 ug/l

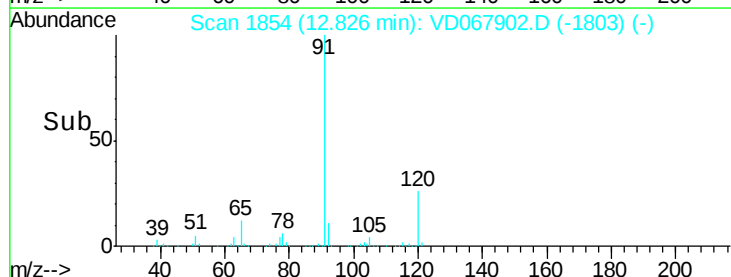
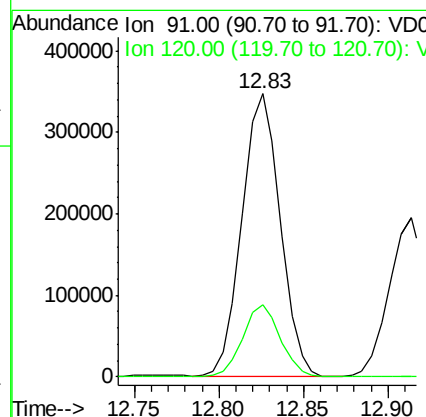
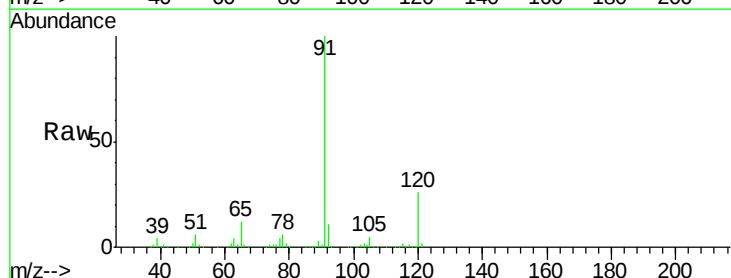
RT: 12.83 min Scan# 1854

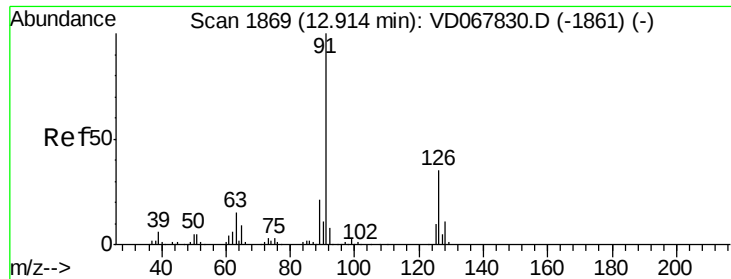
Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 549536 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 25.0  | 12.7  | 38.0   |





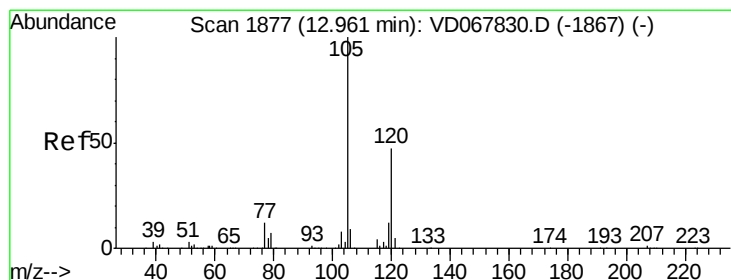
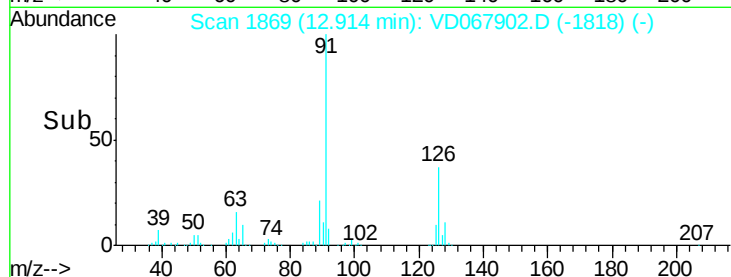
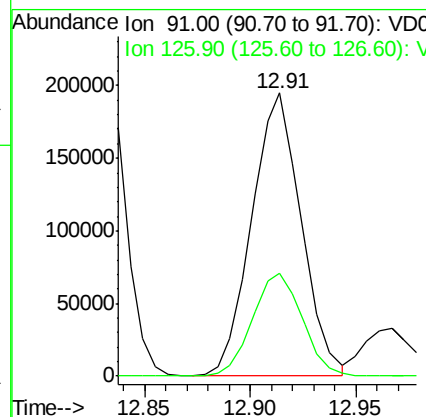
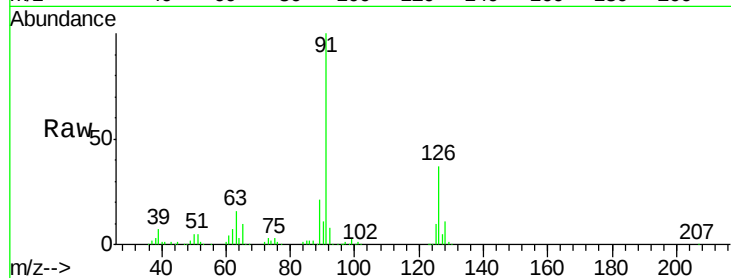
#79  
 2-Chlorotoluene  
 Concen: 49.134 ug/l  
 RT: 12.91 min Scan# 1869  
 Delta R.T. -0.00 min  
 Lab File: VD067902.D  
 Acq: 07 Dec 2020 16:25

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 91 Resp: 317297  
 Ion Ratio Lower Upper  
 91 100  
 126 36.6 17.9 53.7

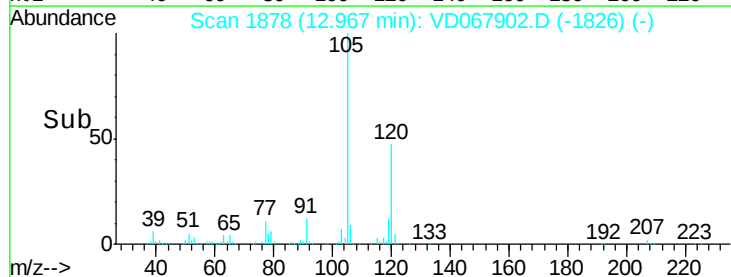
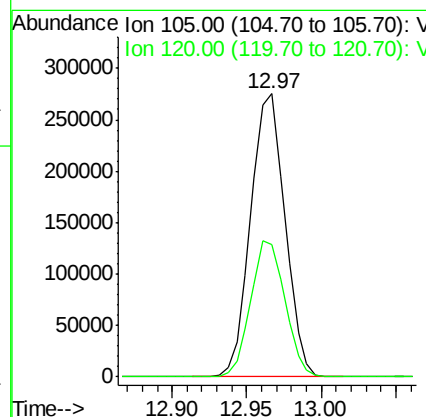
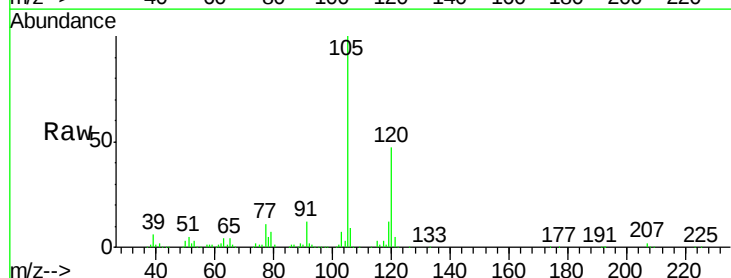
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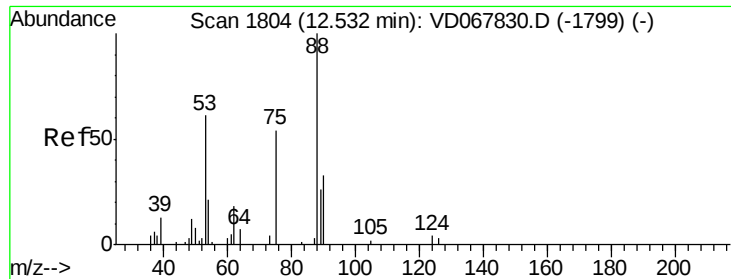
MMDadoda  
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#80  
 1,3,5-Trimethylbenzene  
 Concen: 51.110 ug/l  
 RT: 12.97 min Scan# 1878  
 Delta R.T. 0.01 min  
 Lab File: VD067902.D  
 Acq: 07 Dec 2020 16:25

Tgt Ion: 105 Resp: 438260  
 Ion Ratio Lower Upper  
 105 100  
 120 47.9 24.3 72.9





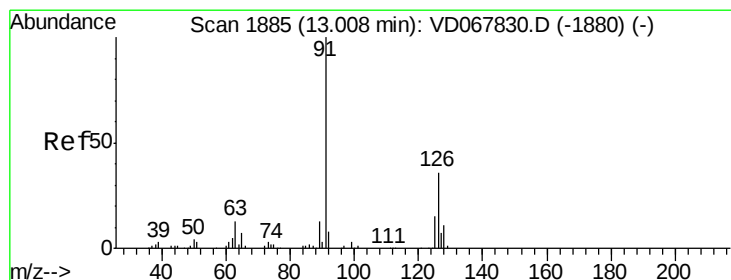
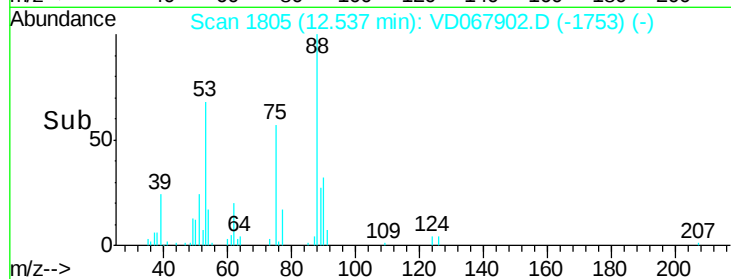
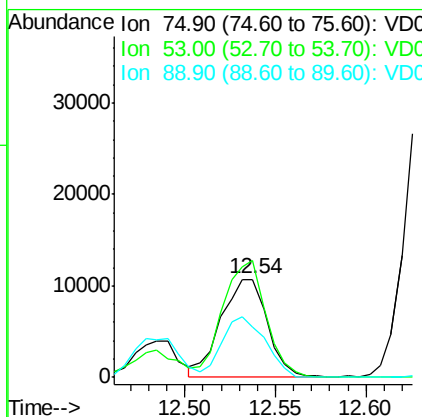
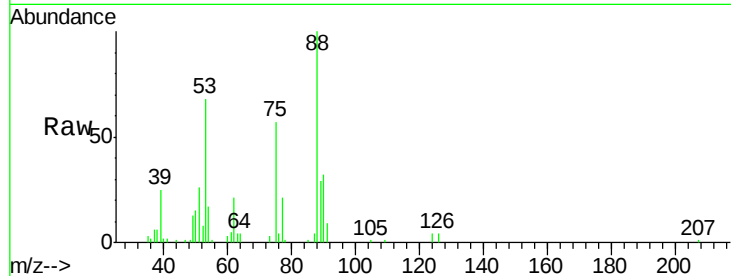
#81  
trans-1,4-Dichloro-2-butene  
Concen: 43.587 ug/l  
RT: 12.54 min Scan# 1805  
Delta R.T. 0.01 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 111.2 | 84.6  | 127.0 |
| 89      | 56.9  | 41.0  | 61.6  |

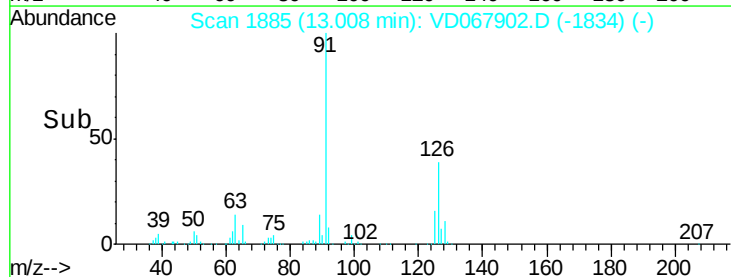
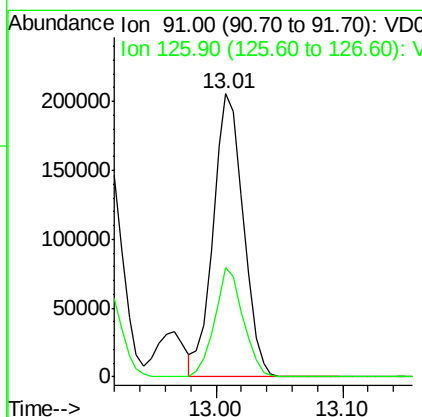
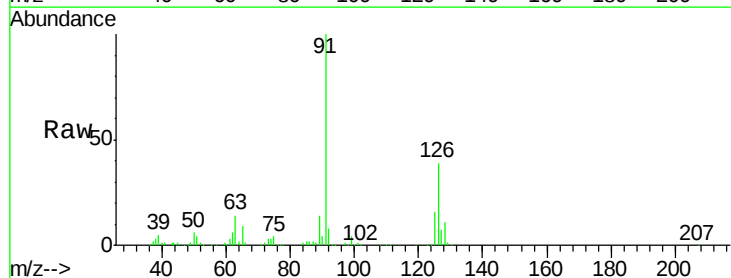
Manual Integrations  
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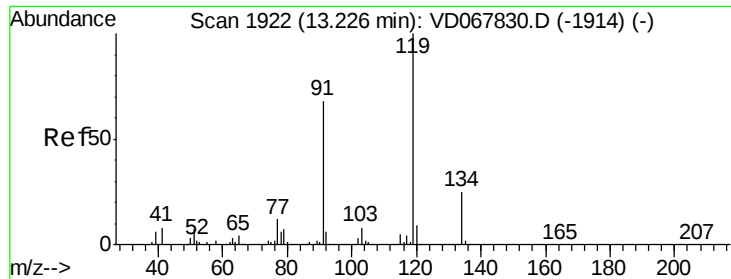
MMDadoda  
12/8/2020 5:05:45 PM



#82  
4-Chlorotoluene  
Concen: 49.353 ug/l  
RT: 13.01 min Scan# 1885  
Delta R.T. -0.00 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 36.6  | 18.1  | 54.4  |





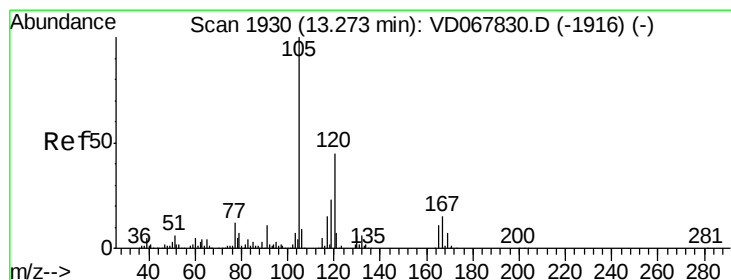
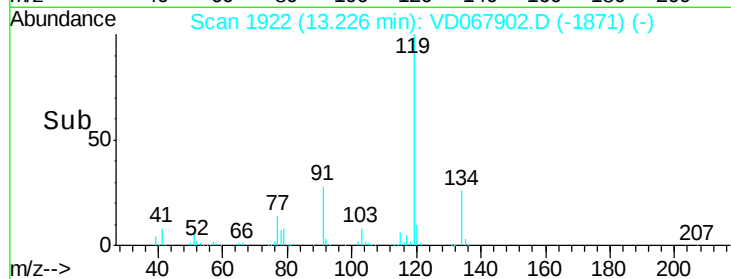
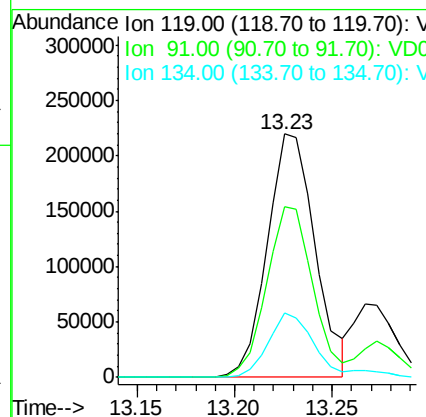
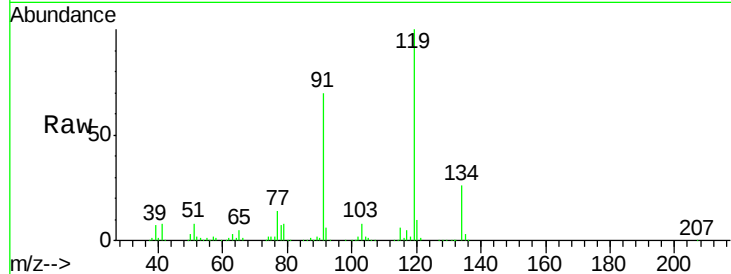
#83  
tert-Butylbenzene  
Concen: 51.090 ug/l  
RT: 13.23 min Scan# 1922  
Delta R.T. -0.00 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 67.5  | 33.1  | 99.3  |
| 134     | 26.8  | 13.6  | 40.8  |

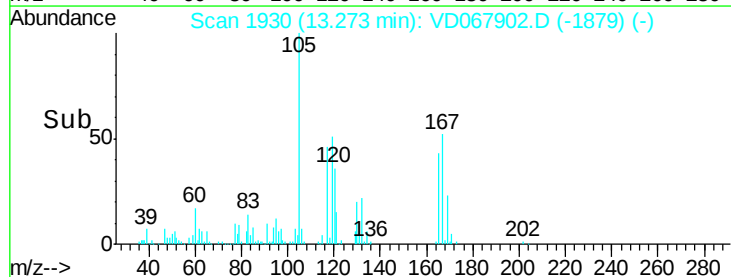
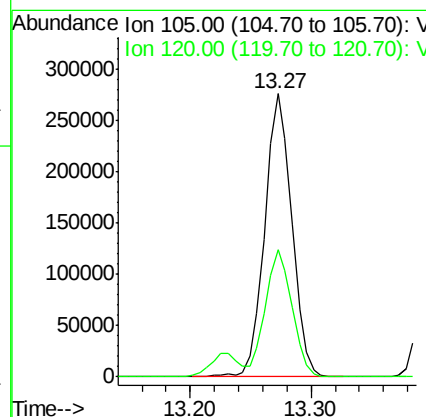
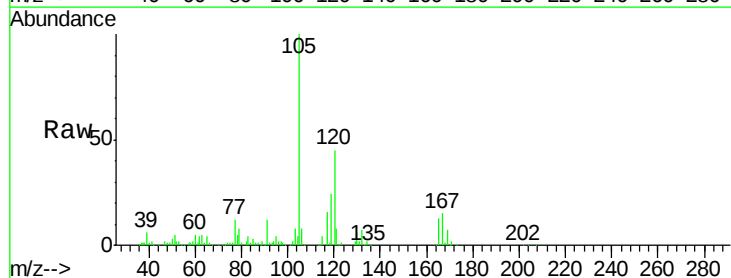
Manual Integrations  
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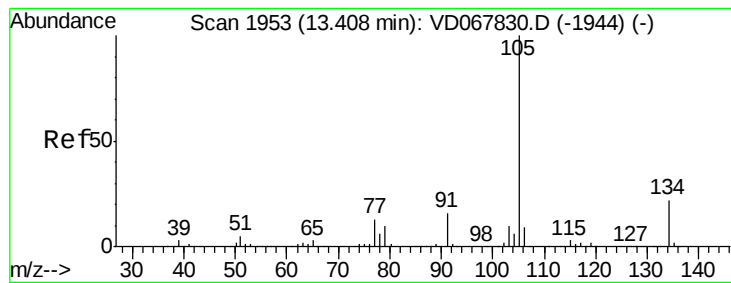
MMDadoda  
12/8/2020 5:05:45 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 50.310 ug/l  
RT: 13.27 min Scan# 1930  
Delta R.T. -0.00 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.8  | 22.1  | 66.5  |





#85

sec-Butylbenzene

Concen: 49.440 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 481504

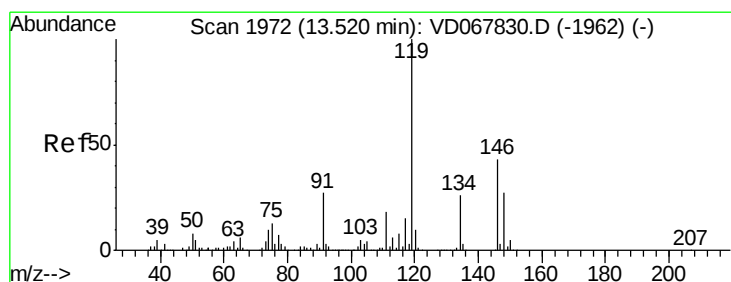
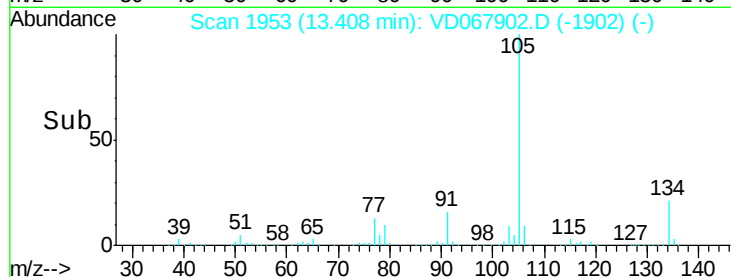
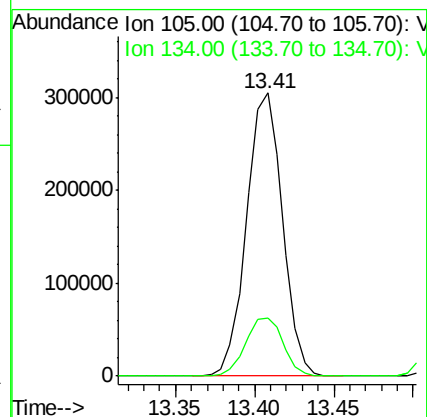
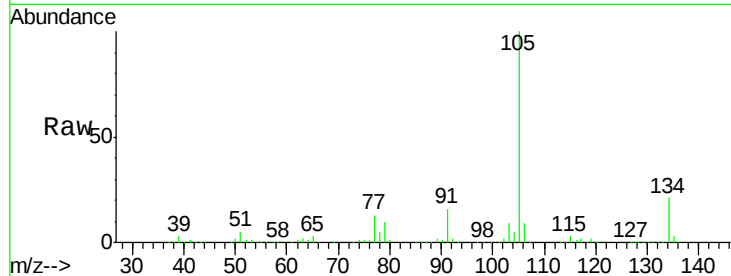
Ion Ratio Lower Upper

105 100

134 21.6 10.9 32.9

Manual Integrations  
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12/8/2020 5:05:45 PM



#86

p-Isopropyltoluene

Concen: 50.849 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067902.D

Acq: 07 Dec 2020 16:25

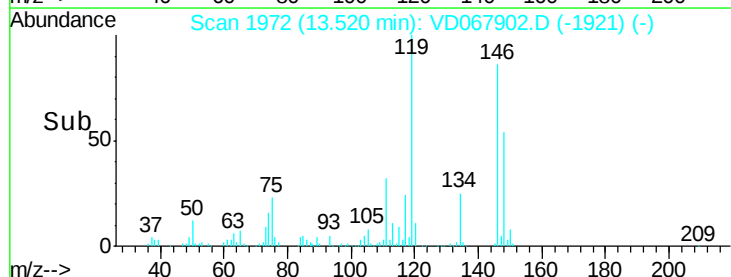
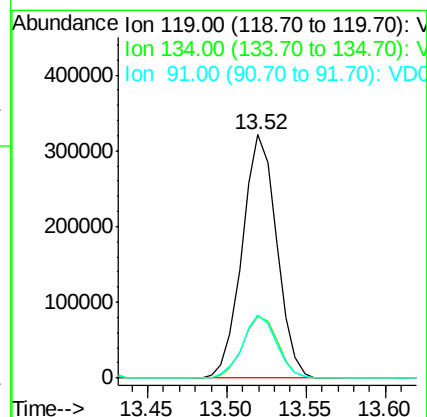
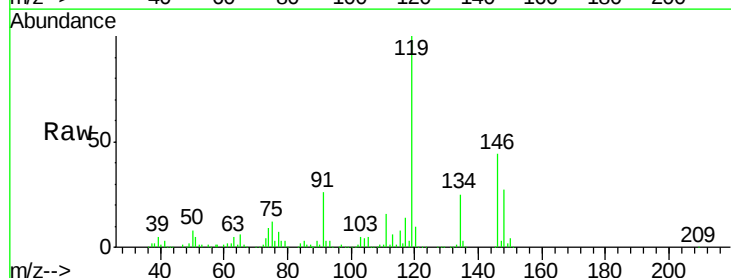
Tgt Ion:119 Resp: 485358

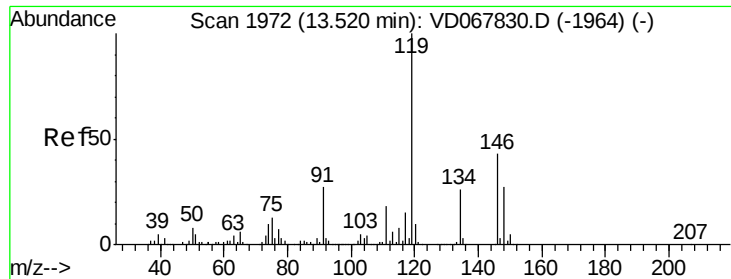
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 25.2 12.8 38.3





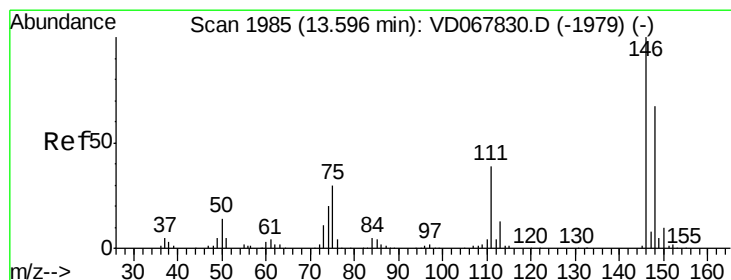
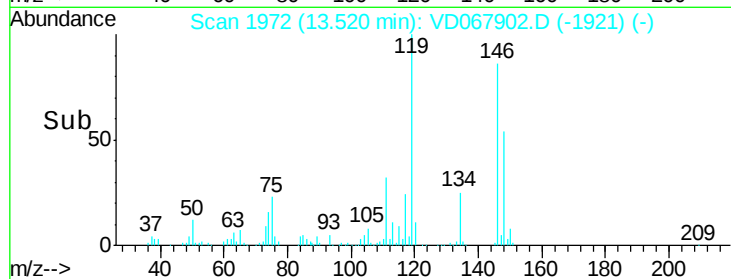
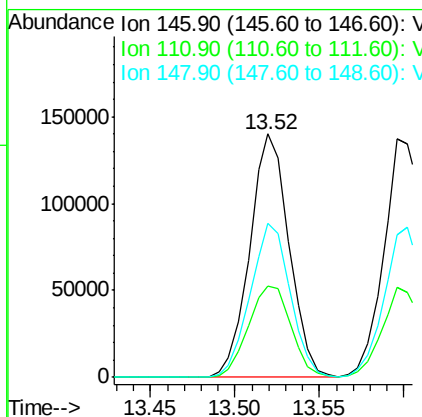
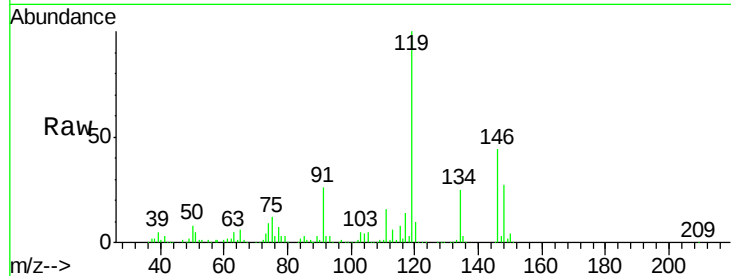
#87  
 1,3-Dichlorobenzene  
 Concen: 47.592 ug/l  
 RT: 13.52 min Scan# 1972  
 Delta R.T. -0.00 min  
 Lab File: VD067902.D  
 Acq: 07 Dec 2020 16:25

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 226041 |       |       |
| 111     | 40.8  | 20.8   | 62.2  |       |
| 148     | 64.6  | 32.9   | 98.6  |       |

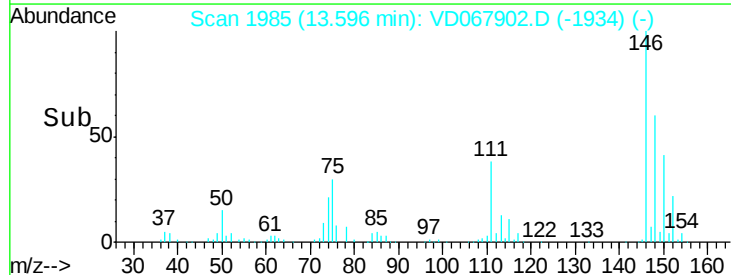
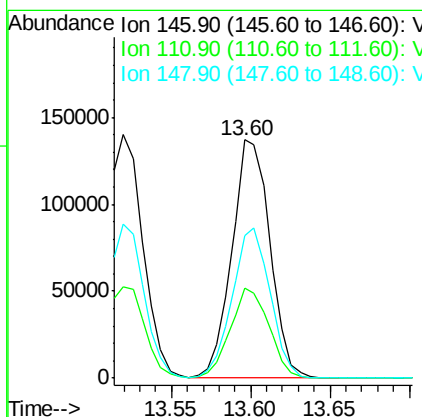
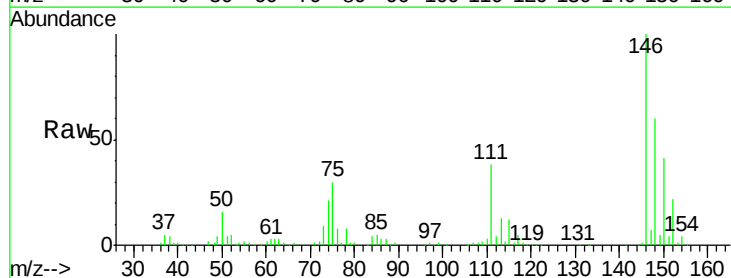
Manual Integrations  
 APPROVED

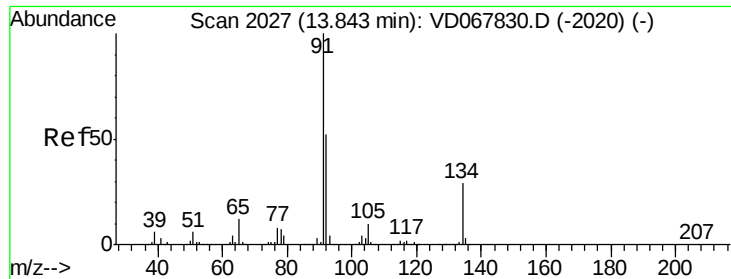
MMDadoda  
 12/8/2020 5:05:45 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 48.035 ug/l  
 RT: 13.60 min Scan# 1985  
 Delta R.T. -0.00 min  
 Lab File: VD067902.D  
 Acq: 07 Dec 2020 16:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 228243 |       |       |
| 111     | 38.4  | 19.9   | 59.6  |       |
| 148     | 63.2  | 32.4   | 97.2  |       |





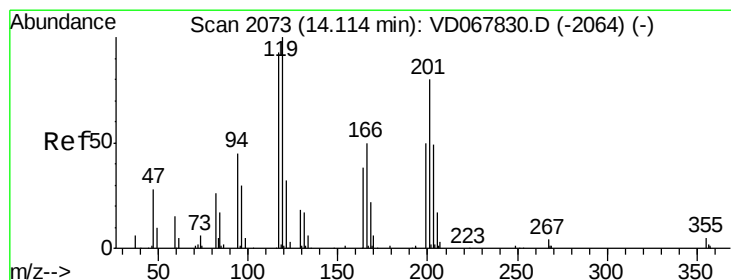
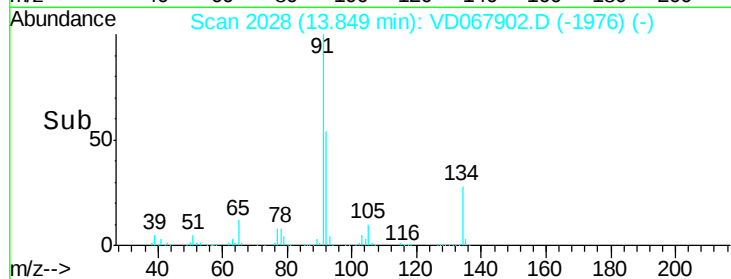
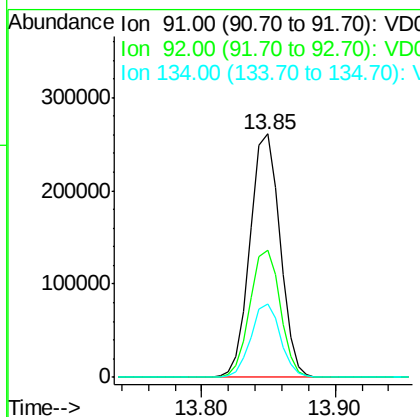
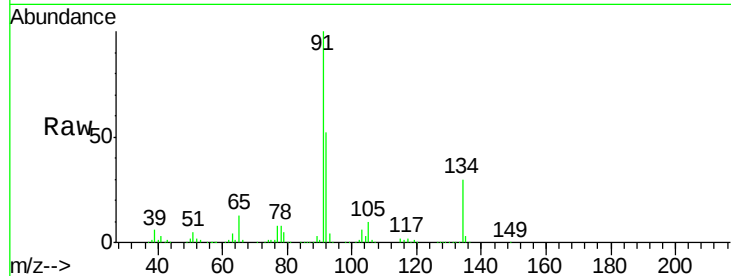
#89  
n-Butylbenzene  
Concen: 50.808 ug/l  
RT: 13.85 min Scan# 2028  
Delta R.T. 0.01 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.8  | 26.3  | 78.8  |
| 134     | 29.7  | 14.8  | 44.3  |

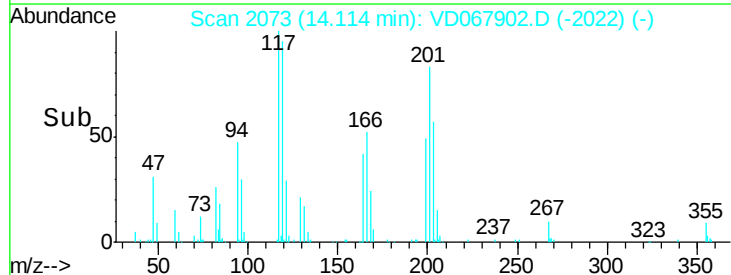
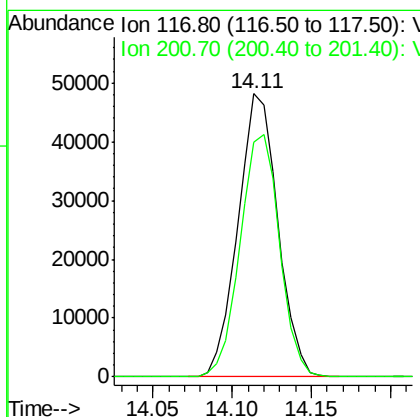
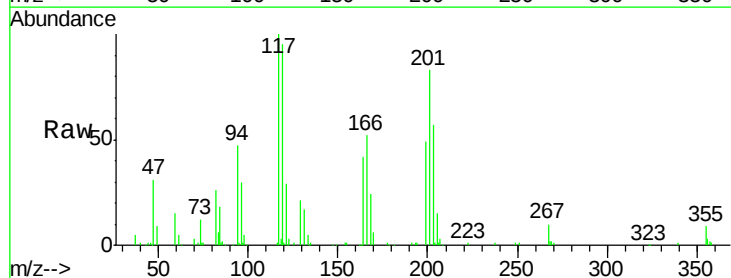
Manual Integrations  
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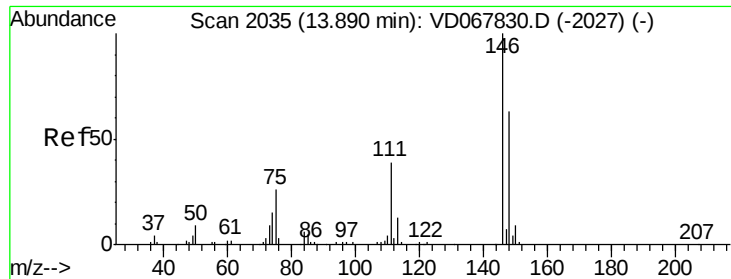
MMDadoda  
12/8/2020 5:05:45 PM



#90  
Hexachloroethane  
Concen: 47.708 ug/l  
RT: 14.11 min Scan# 2073  
Delta R.T. -0.00 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 84.7  | 43.9  | 131.6 |





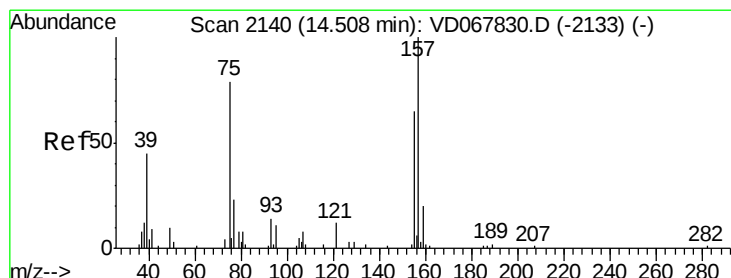
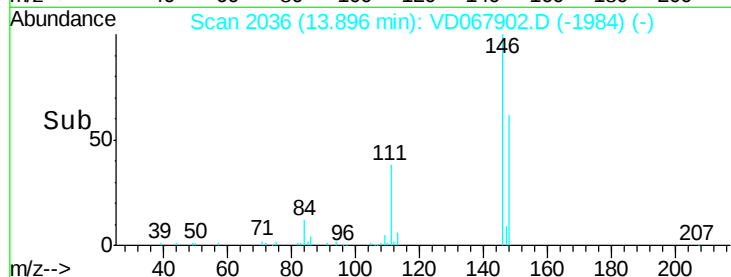
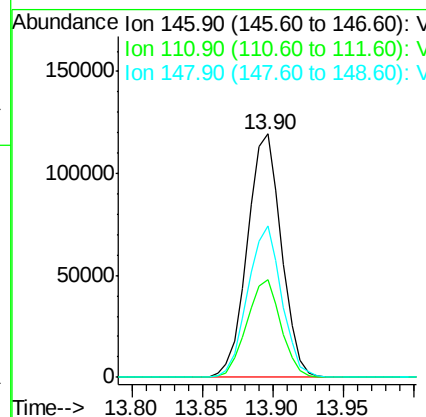
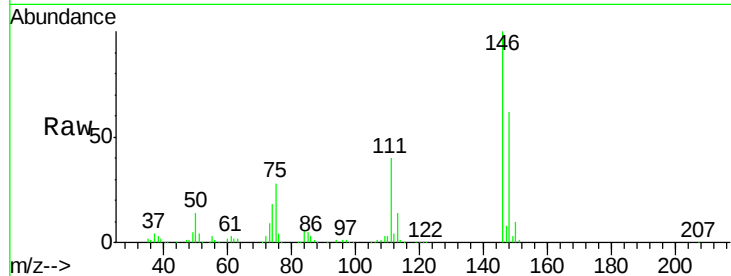
#91  
 1,2-Dichlorobenzene  
 Concen: 48.997 ug/l  
 RT: 13.90 min Scan# 2036  
 Delta R.T. 0.01 min  
 Lab File: VD067902.D  
 Acq: 07 Dec 2020 16:25

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.1  | 20.4  | 61.2  |
| 148     | 62.2  | 32.1  | 96.3  |

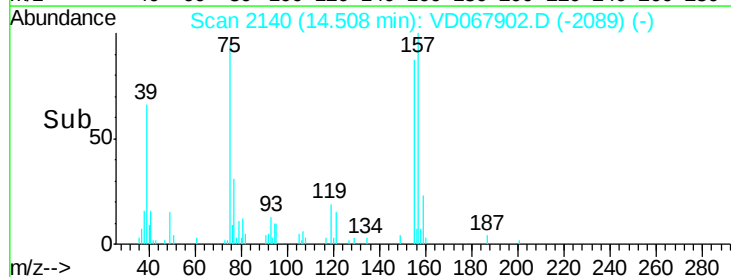
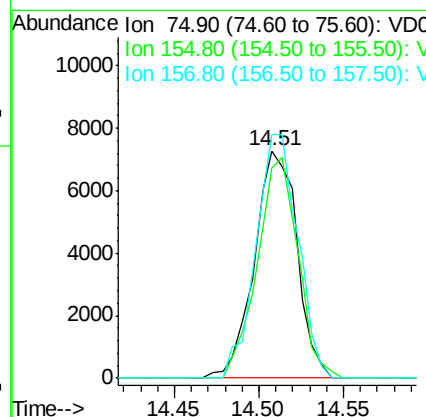
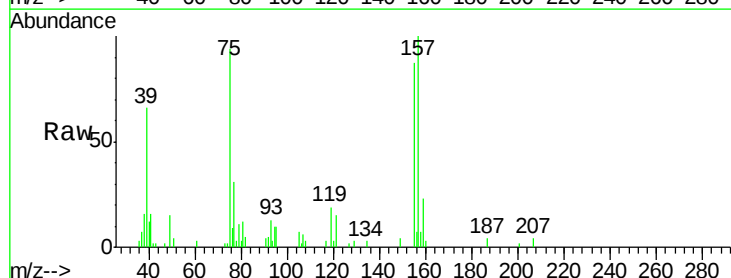
Manual Integrations  
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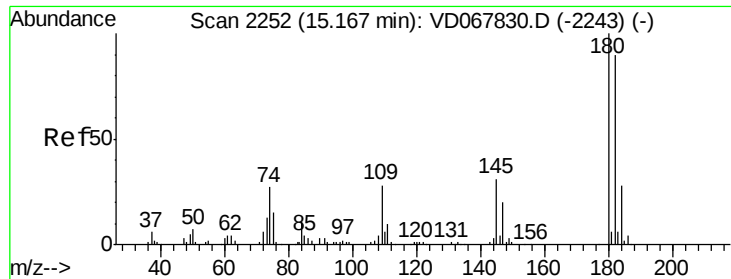
MMDadoda  
 12/8/2020 5:05:45 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 46.748 ug/l  
 RT: 14.51 min Scan# 2140  
 Delta R.T. -0.00 min  
 Lab File: VD067902.D  
 Acq: 07 Dec 2020 16:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 92.4  | 44.1  | 132.4 |
| 157     | 105.3 | 62.4  | 187.2 |





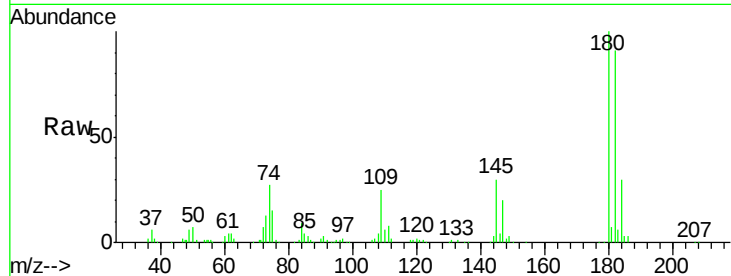
#93  
 1,2,4-Trichlorobenzene  
 Concen: 51.381 ug/l  
 RT: 15.17 min Scan# 2252  
 Delta R.T. -0.00 min  
 Lab File: VD067902.D  
 Acq: 07 Dec 2020 16:25

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.0  | 47.5  | 142.6 |
| 145     | 31.8  | 16.4  | 49.4  |

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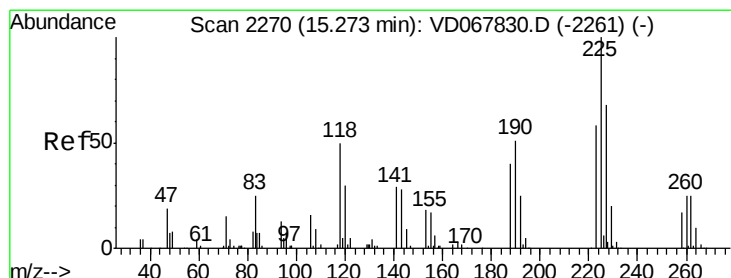
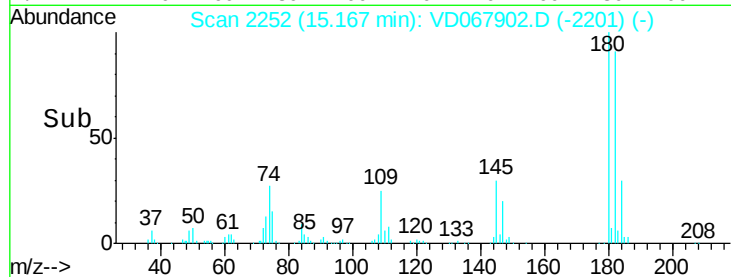
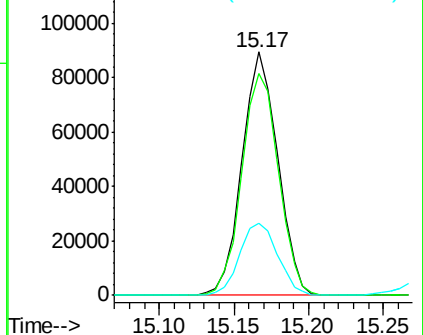


Abundance

Ion 179.80 (179.50 to 180.50): V

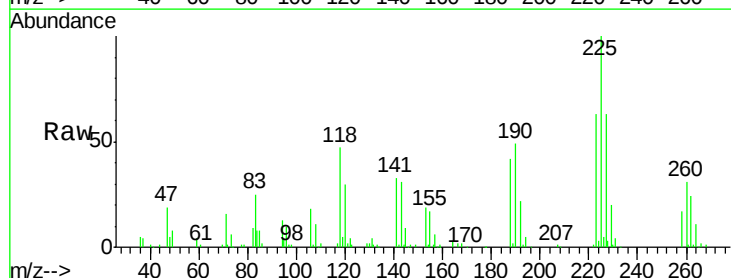
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94  
 Hexachlorobutadiene  
 Concen: 50.033 ug/l  
 RT: 15.27 min Scan# 2270  
 Delta R.T. -0.00 min  
 Lab File: VD067902.D  
 Acq: 07 Dec 2020 16:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.6  | 31.1  | 93.3  |
| 227     | 64.1  | 33.1  | 99.3  |

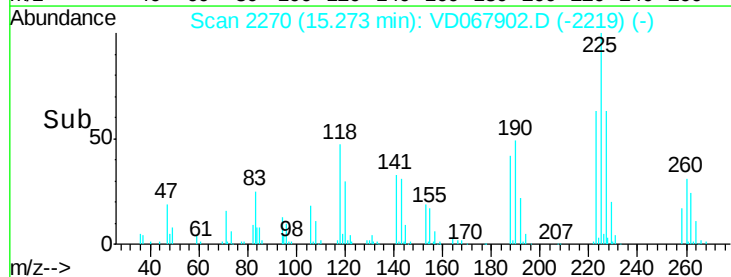
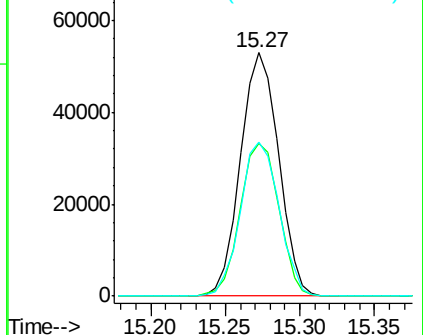


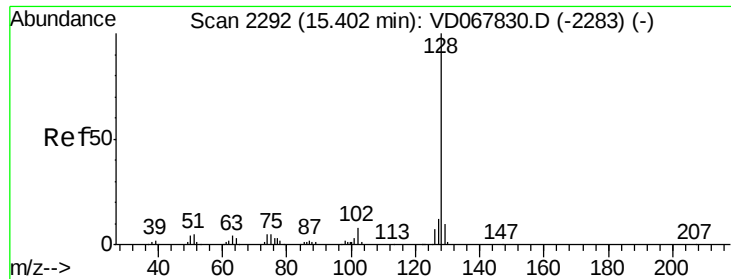
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





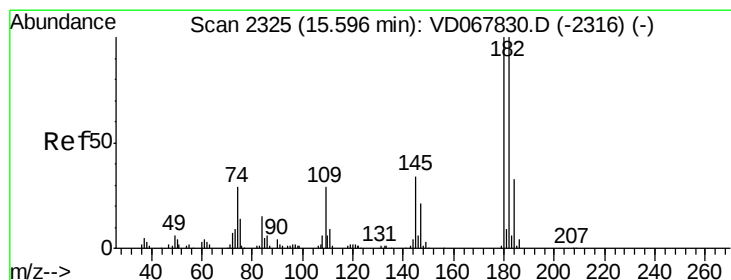
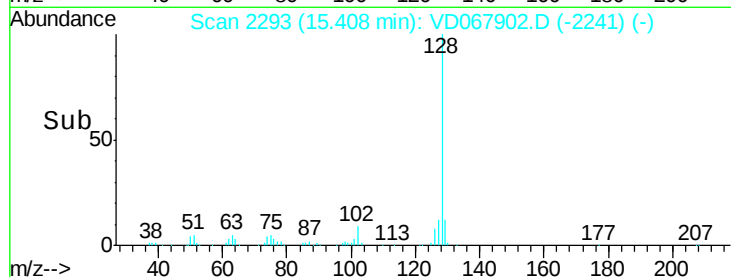
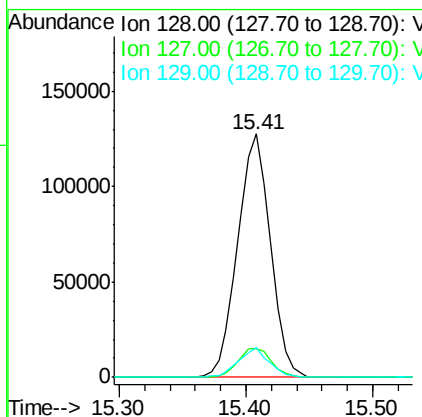
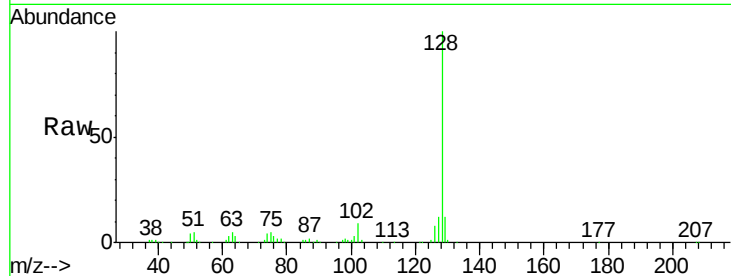
#95  
Naphthalene  
Concen: 48.734 ug/l  
RT: 15.41 min Scan# 2293  
Delta R.T. 0.01 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.4  | 10.6  | 15.8  |
| 129     | 11.3  | 9.0   | 13.6  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 49.691 ug/l  
RT: 15.60 min Scan# 2326  
Delta R.T. 0.01 min  
Lab File: VD067902.D  
Acq: 07 Dec 2020 16:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 92.7  | 47.3  | 142.0 |
| 145     | 34.4  | 16.8  | 50.4  |

