

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030320\  
 Data File : VD065389.D  
 Acq On : 03 Mar 2020 12:43  
 Operator : VA/SY  
 Sample : L1161-01 4PPBLOD  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0305

Manual Integrations  
 APPROVED

MMDadoda  
 3/4/2020 2:01:29 PM

Quant Time: Mar 04 06:14:42 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D021820S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 04 05:56:59 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 424827   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 655240   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 603534   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 301400   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.34   | 65  | 211953   | 55.46 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 110.92% |      |
| 35) Dibromofluoromethane  | 7.92   | 113 | 220068   | 55.08 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 110.16% |      |
| 50) Toluene-d8            | 10.34  | 98  | 810925   | 53.09 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.18% |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 262115   | 54.17 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.34% |      |

## Target Compounds

|                               |      |     |        |        |        | Qvalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 19377  | 5.438  | ug/l   | 99     |
| 3) Chloromethane              | 2.21 | 50  | 20904  | 4.609  | ug/l   | 92     |
| 4) Vinyl Chloride             | 2.36 | 62  | 20988  | 4.551  | ug/l   | 98     |
| 5) Bromomethane               | 2.77 | 94  | 14157  | 5.077  | ug/l   | 87     |
| 6) Chloroethane               | 2.92 | 64  | 12100  | 4.298  | ug/l # | 88     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 35064  | 5.311  | ug/l   | 90     |
| 8) Diethyl Ether              | 3.71 | 74  | 9635   | 4.834  | ug/l   | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.09 | 101 | 20475  | 4.911  | ug/l   | 99     |
| 10) Methyl Iodide             | 4.30 | 142 | 18171  | 4.197  | ug/l   | 97     |
| 11) Tert butyl alcohol        | 5.26 | 59  | 5743   | 25.147 | ug/l # | 72     |
| 12) 1,1-Dichloroethene        | 4.06 | 96  | 18331  | 4.654  | ug/l   | 97     |
| 13) Acrolein                  | 3.93 | 56  | 7352   | 21.625 | ug/l   | 94     |
| 14) Allyl chloride            | 4.71 | 41  | 27448  | 4.291  | ug/l   | 97     |
| 15) Acrylonitrile             | 5.44 | 53  | 20052  | 22.725 | ug/l   | 98     |
| 16) Acetone                   | 4.17 | 43  | 20048  | 21.459 | ug/l # | 77     |
| 17) Carbon Disulfide          | 4.40 | 76  | 60085  | 4.550  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.73 | 43  | 15563  | 7.407  | ug/l   | 100    |
| 19) Methyl tert-butyl Ether   | 5.48 | 73  | 33000  | 4.018  | ug/l   | 97     |
| 20) Methylene Chloride        | 4.96 | 84  | 39844  | 8.402  | ug/l   | 96     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96  | 20817  | 4.649  | ug/l   | 89     |
| 22) Diisopropyl ether         | 6.37 | 45  | 46760  | 3.792  | ug/l   | 95     |
| 23) Vinyl Acetate             | 6.31 | 43  | 102510 | 15.080 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 6.26 | 63  | 33377  | 4.364  | ug/l   | 98     |
| 25) 2-Butanone                | 7.23 | 43  | 23601  | 19.967 | ug/l   | 94     |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 30163  | 4.546  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 20538  | 4.330  | ug/l   | 94     |
| 28) Bromochloromethane        | 7.55 | 49  | 13706  | 4.830  | ug/l   | 98     |
| 29) Tetrahydrofuran           | 7.57 | 42  | 13999  | 20.213 | ug/l   | 97     |
| 30) Chloroform                | 7.71 | 83  | 36985  | 4.800  | ug/l   | 99     |
| 31) Cyclohexane               | 7.98 | 56  | 36794  | 4.896  | ug/l # | 73     |
| 32) 1,1,1-Trichloroethane     | 7.91 | 97  | 32562  | 4.723  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 27138  | 4.257  | ug/l   | 98     |
| 37) Ethyl Acetate             | 7.30 | 43  | 11857  | 4.449  | ug/l   | 98     |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 29457  | 4.539  | ug/l # | 97     |

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 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD0305

Manual Integrations  
 APPROVED

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 3/4/2020 2:01:29 PM

Quant Time: Mar 04 06:14:42 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D021820S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 04 05:56:59 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 9.36  | 83   | 29562    | 3.944  | ug/l   | 98       |
| 40) Benzene                    | 8.36  | 78   | 80176    | 4.455  | ug/l   | 96       |
| 41) Methacrylonitrile          | 7.54  | 41   | 6550     | 4.256  | ug/l # | 81       |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 23162    | 4.682  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.46  | 43   | 20670    | 4.265  | ug/l   | 97       |
| 44) Trichloroethene            | 9.11  | 130  | 23689    | 4.749  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.40  | 63   | 20099    | 4.492  | ug/l # | 86       |
| 46) Dibromomethane             | 9.48  | 93   | 10179    | 4.421  | ug/l   | 96       |
| 47) Bromodichloromethane       | 9.67  | 83   | 27079    | 4.463  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.46  | 41   | 8611     | 3.844  | ug/l   | 94       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 2409     | 89.212 | ug/l # | 93       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 48139    | 19.555 | ug/l   | 100      |
| 52) Toluene                    | 10.41 | 92   | 51947    | 4.664  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.63 | 75   | 23715    | 4.217  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 10.09 | 75   | 27946    | 4.115  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 14500    | 4.475  | ug/l # | 92       |
| 56) Ethyl methacrylate         | 10.67 | 69   | 13405    | 3.584  | ug/l   | 90       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 23921    | 4.337  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.95  | 63   | 35081    | 29.749 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.99 | 43   | 32444    | 18.411 | ug/l   | 97       |
| 60) Dibromochloromethane       | 11.15 | 129  | 18638    | 4.494  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 14249    | 4.644  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.88 | 164  | 21274    | 4.970  | ug/l   | 93       |
| 65) Chlorobenzene              | 11.67 | 112  | 54068    | 4.464  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.75 | 131  | 20194    | 4.468  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.75 | 91   | 81671    | 3.850  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.86 | 106  | 61919    | 7.630  | ug/l   | 100      |
| 69) o-Xylene                   | 12.18 | 106  | 26814    | 3.729  | ug/l   | 100      |
| 70) Styrene                    | 12.20 | 104  | 45460    | 3.561  | ug/l   | 100      |
| 71) Bromoform                  | 12.37 | 173  | 11600    | 4.625  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.49 | 105  | 73197    | 3.668  | ug/l   | 98       |
| 74) N-amyl acetate             | 12.30 | 43   | 15608    | 3.520  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.74 | 83   | 16354    | 4.541  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane     | 12.79 | 75   | 11046m   | 4.307  | ug/l   |          |
| 77) Bromobenzene               | 12.77 | 156  | 21267    | 4.292  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.83 | 91   | 94908    | 3.958  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 53952    | 4.016  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.97 | 105  | 60728    | 3.695  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.54 | 75   | 4193     | 3.530  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 57262    | 4.015  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 49110    | 3.565  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene     | 13.28 | 105  | 58865    | 3.578  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.41 | 105  | 71903    | 3.623  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.53 | 119  | 64584    | 3.558  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.52 | 146  | 39842    | 4.159  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 42710    | 4.518  | ug/l   | 94       |
| 89) n-Butylbenzene             | 13.86 | 91   | 63333    | 3.787  | ug/l   | 97       |
| 90) Hexachloroethane           | 14.12 | 117  | 16699    | 4.531  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 35694    | 4.340  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.52 | 75   | 2125     | 3.829  | ug/l   | 76       |

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Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0305

Manual Integrations  
APPROVED

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3/4/2020 2:01:29 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D021820S.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 04 05:56:59 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.18 | 180  | 20563    | 3.822 | ug/l  | 93       |
| 94) Hexachlorobutadiene    | 15.28 | 225  | 15086    | 4.371 | ug/l  | 100      |
| 95) Naphthalene            | 15.41 | 128  | 31412    | 3.592 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 15.61 | 180  | 20299    | 4.320 | ug/l  | 97       |

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

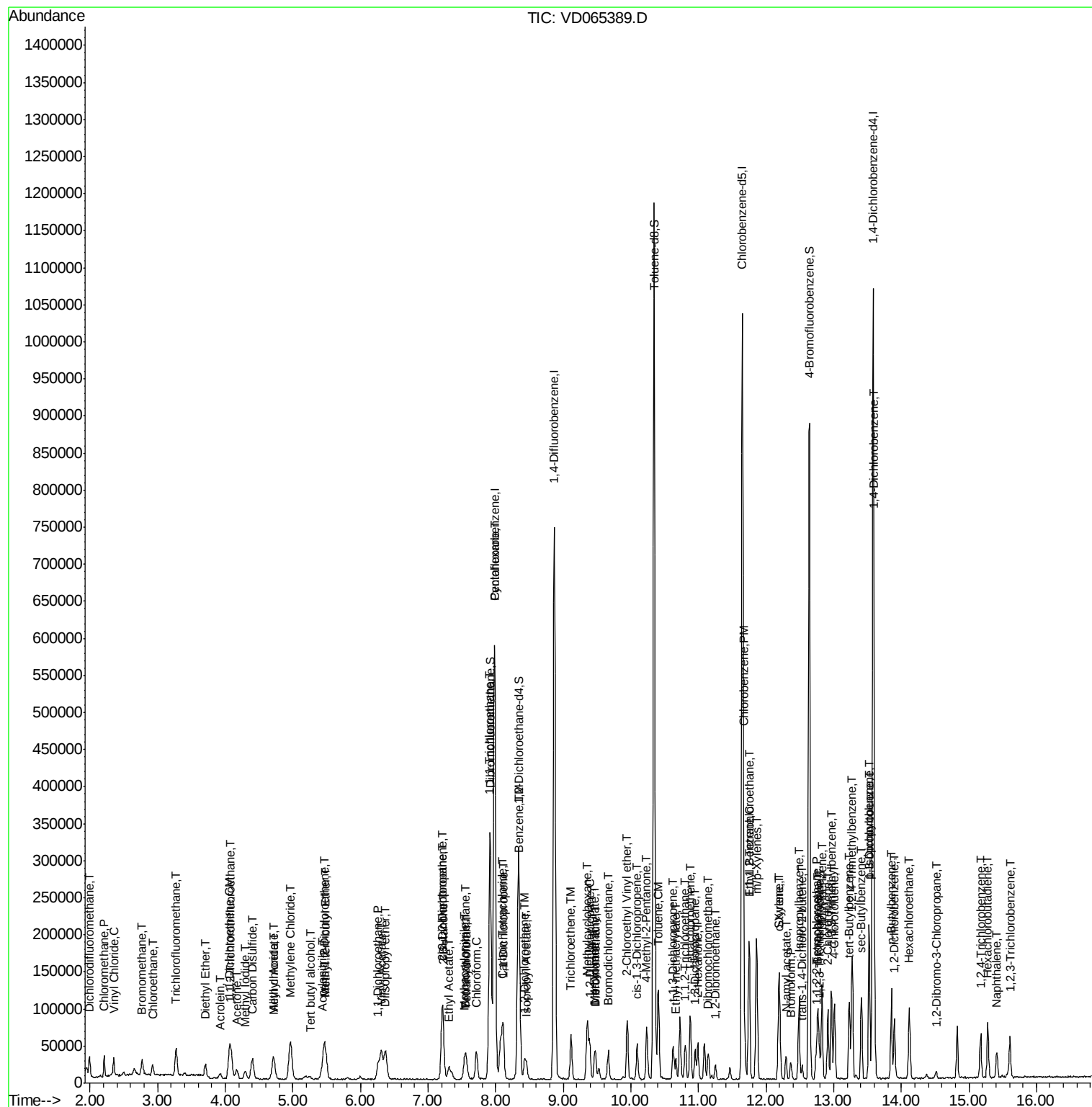
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Data File : VD065389.D  
Acq On : 03 Mar 2020 12:43  
Operator : VA/SY  
Sample : L1161-01 4PPBLOD  
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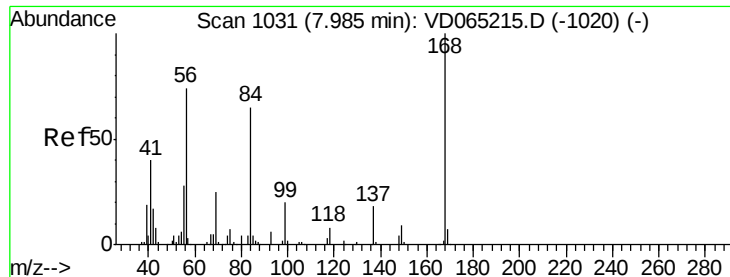
Instrument :  
MSVOA\_D  
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VD0305

Manual Integrations  
APPROVED

MMDadoda  
3/4/2020 2:01:29 PM

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Quant Title : SW846 8260  
QLast Update : Wed Mar 04 05:56:59 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA\_D

ClientSampleId :

VD0305

Tot Ion:168 Resp: 424827

Ion Ratio Lower Upper

168 100

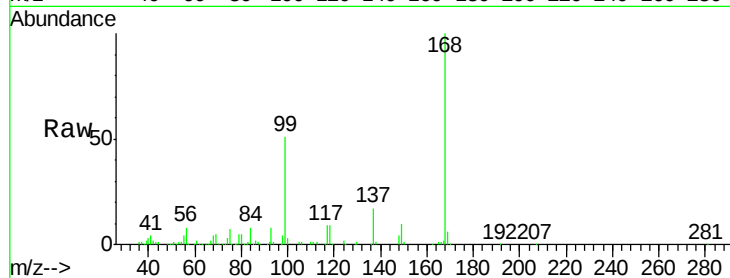
99 51.2 41.4 62.2

Manual Integrations

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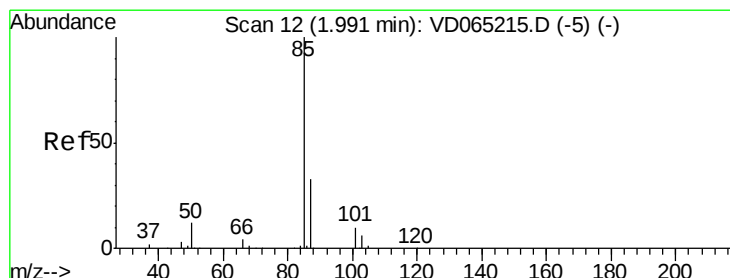
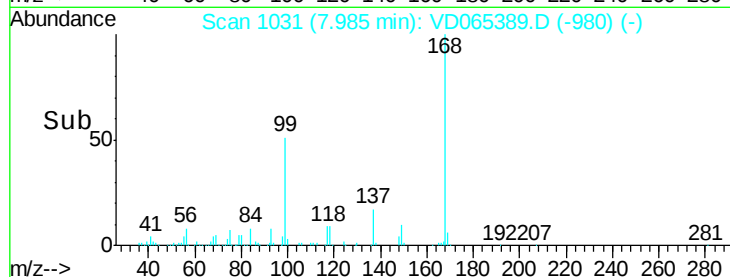
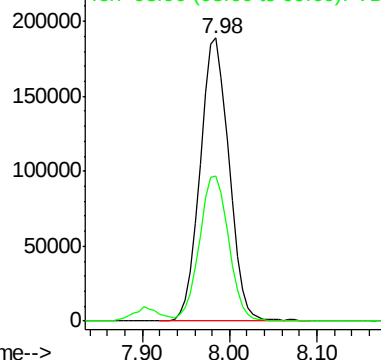
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 5.438 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065389.D

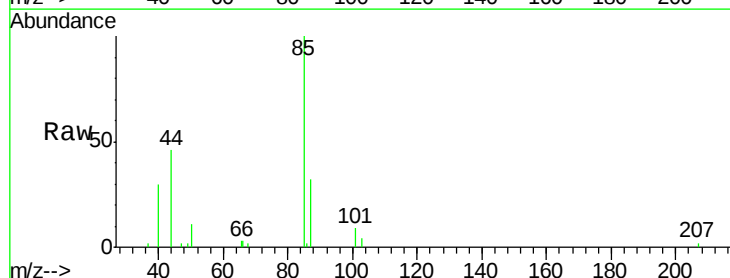
Acq: 03 Mar 2020 12:43

Tgt Ion: 85 Resp: 19377

Ion Ratio Lower Upper

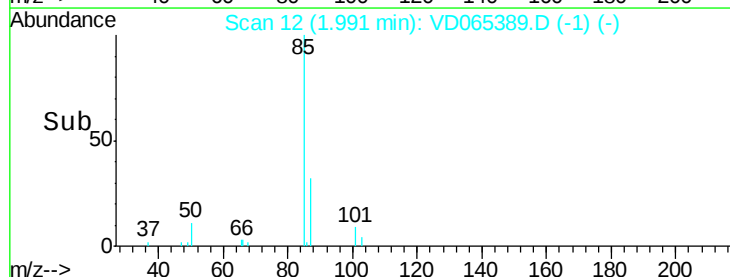
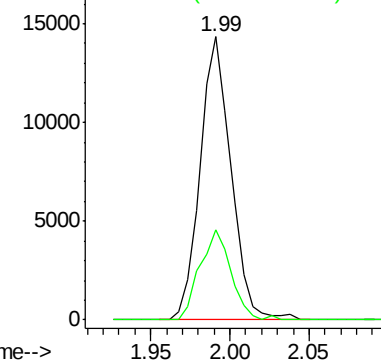
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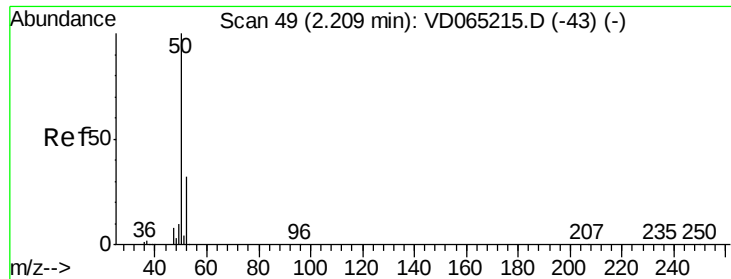
87 32.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 4.609 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA\_D

ClientSampleId :

VD0305

Tot Ion: 50 Resp: 20904

Ion Ratio Lower Upper

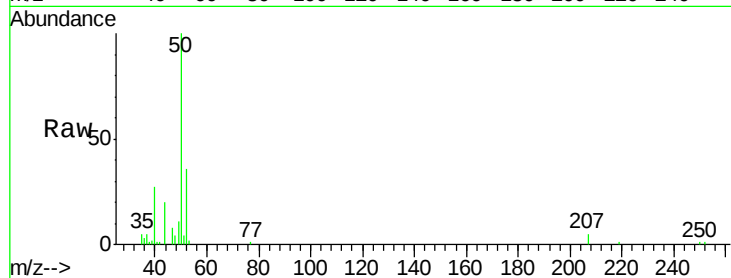
50 100

52 36.2 25.5 38.3

Manual Integrations  
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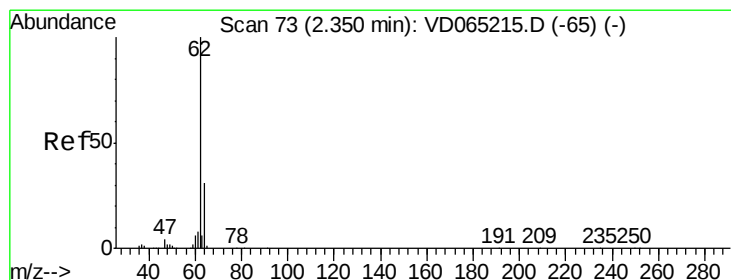
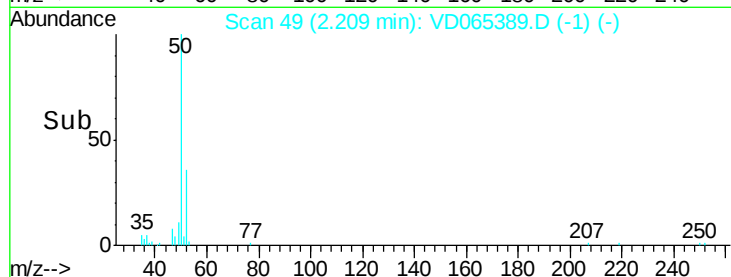
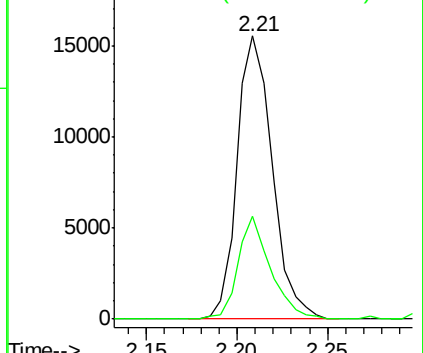
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 4.551 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065389.D

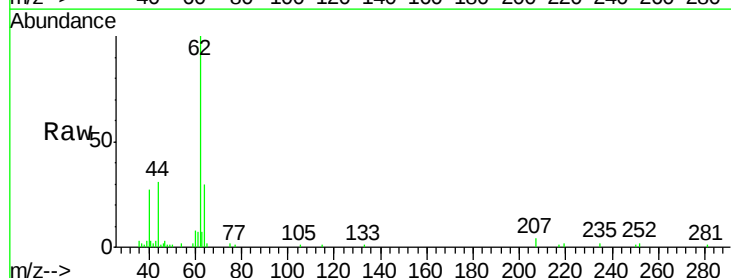
Acq: 03 Mar 2020 12:43

Tgt Ion: 62 Resp: 20988

Ion Ratio Lower Upper

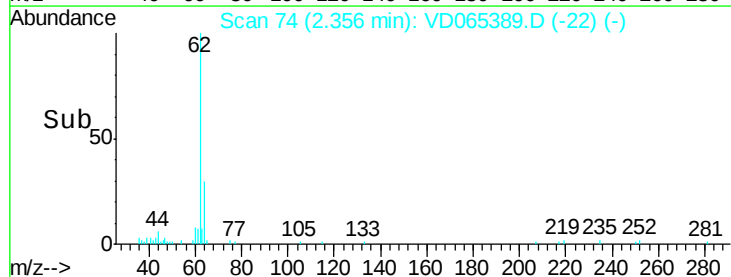
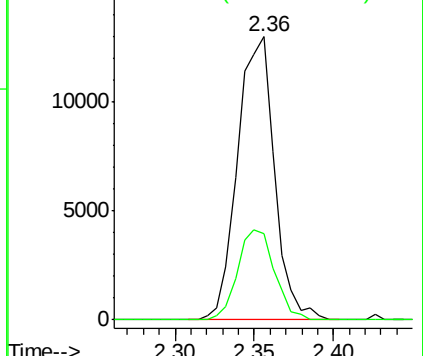
62 100

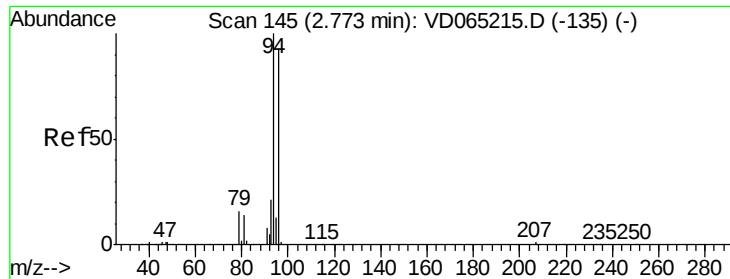
64 30.4 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 5.077 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA\_D

ClientSampleId :

VD0305

Tot Ion: 94 Resp: 14157

Ion Ratio Lower Upper

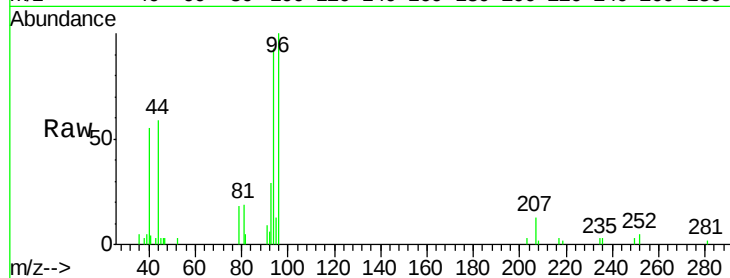
94 100

96 104.8 74.2 111.4

Manual Integrations  
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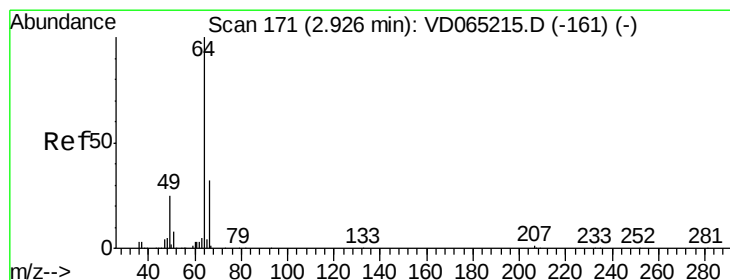
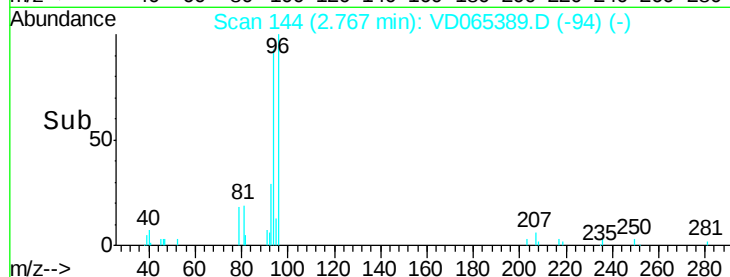
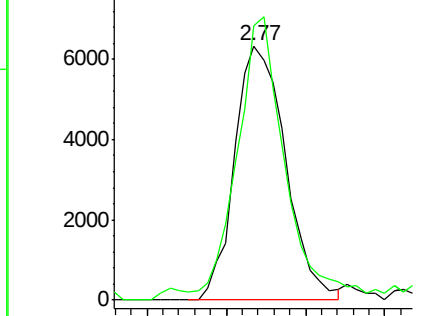
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 4.298 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065389.D

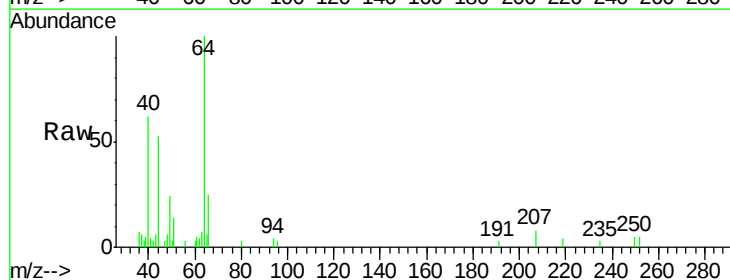
Acq: 03 Mar 2020 12:43

Tgt Ion: 64 Resp: 12100

Ion Ratio Lower Upper

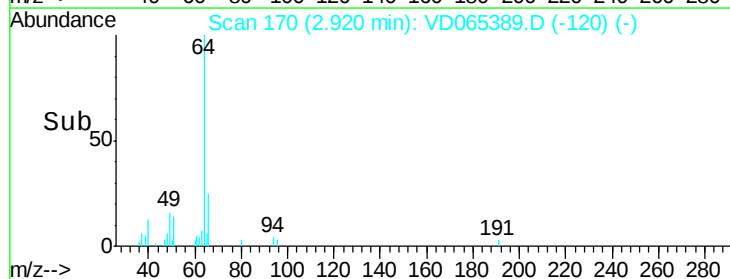
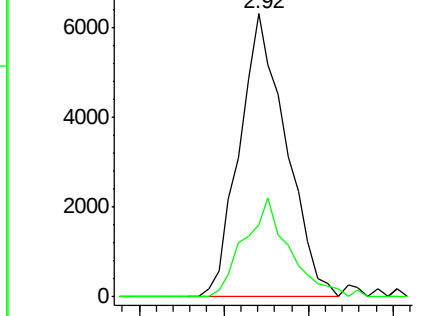
64 100

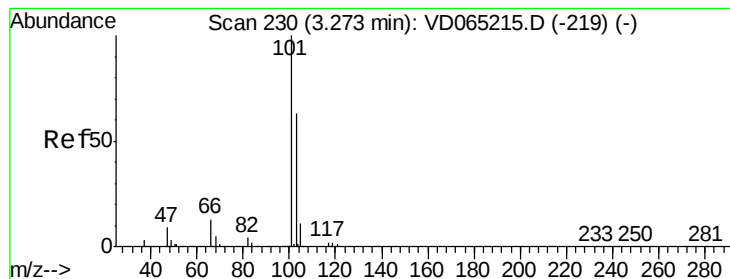
66 25.4 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

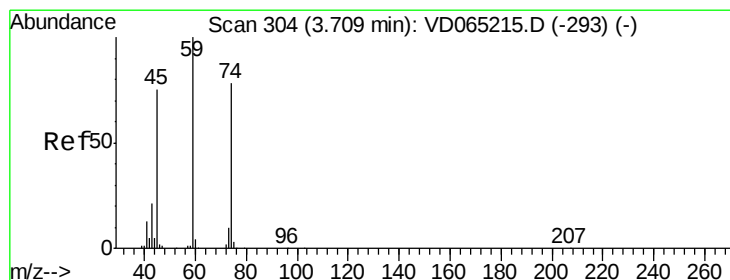
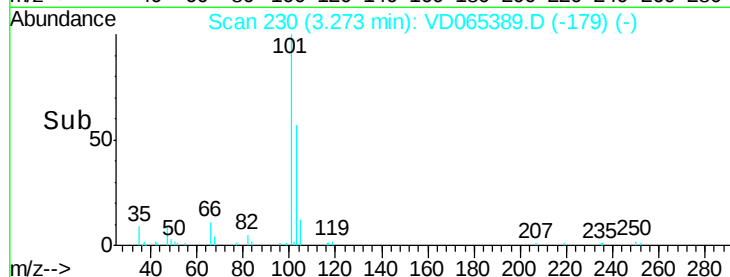
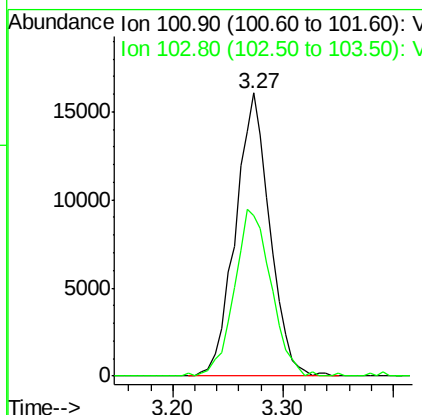
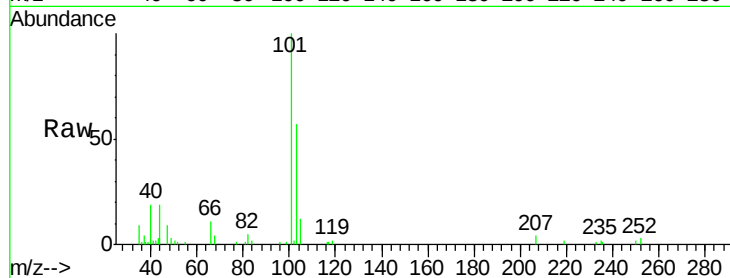
Trichlorofluoromethane  
Concen: 5.311 ug/l  
RT: 3.27 min Scan# 230  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 55.8  | 50.7  | 76.1  |

Manual Integrations  
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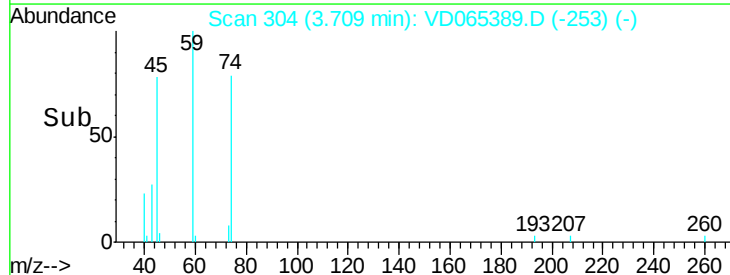
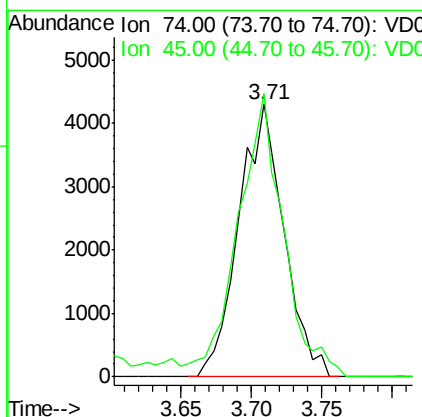
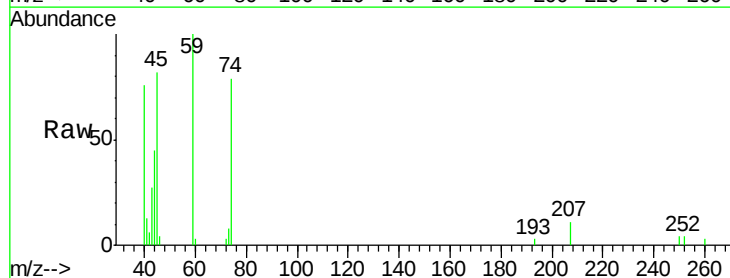
MMDadoda  
3/4/2020 2:01:29 PM

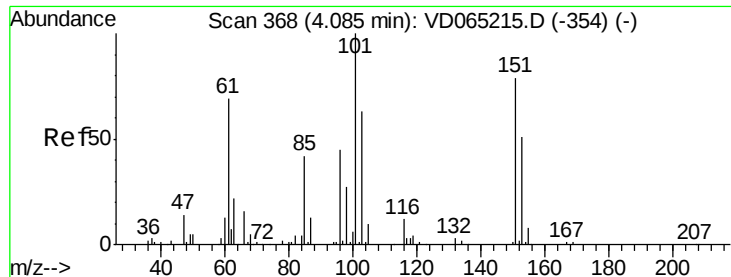


#8

Diethyl Ether  
Concen: 4.834 ug/l  
RT: 3.71 min Scan# 304  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 104.7 | 50.0  | 149.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.911 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA\_D

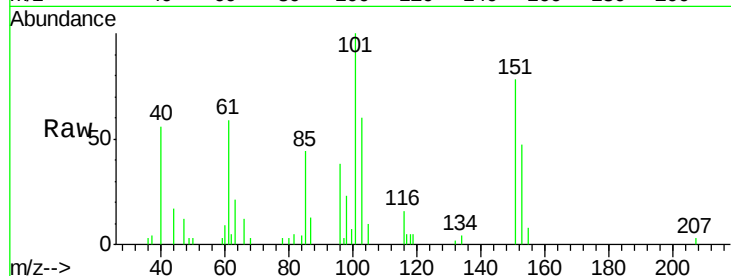
ClientSampleId :

VD0305

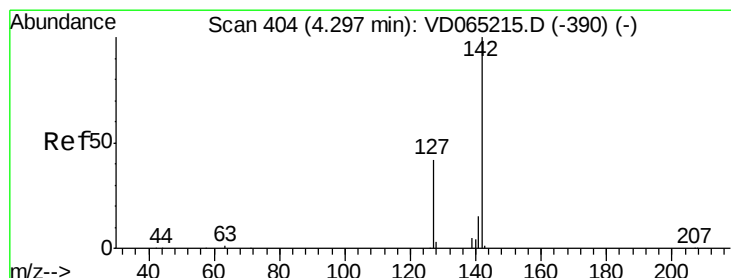
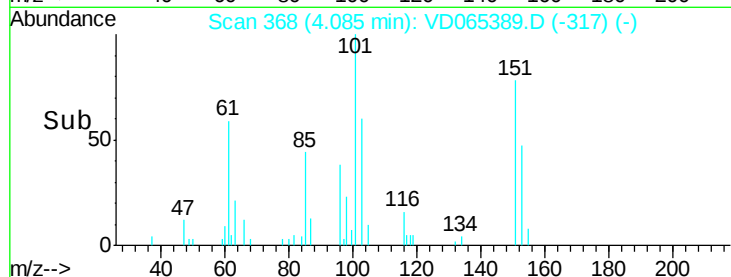
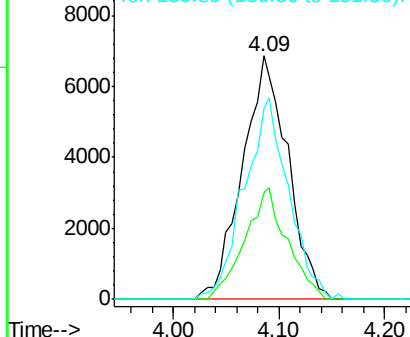
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 20475 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 42.8  | 34.2  | 51.2  |
| 151       | 80.9  | 63.5  | 95.3  |

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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: 4.197 ug/l

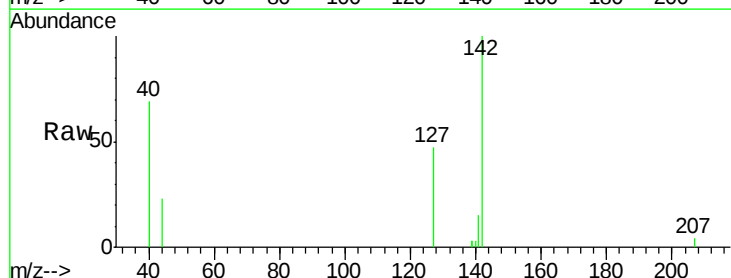
RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

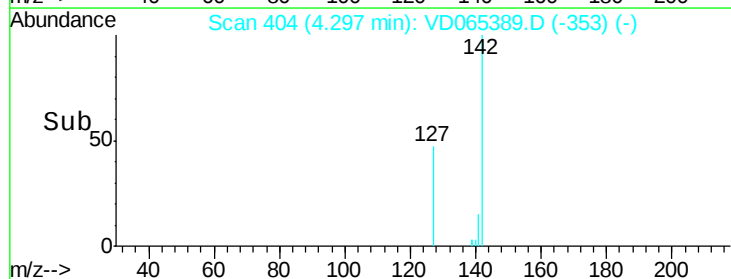
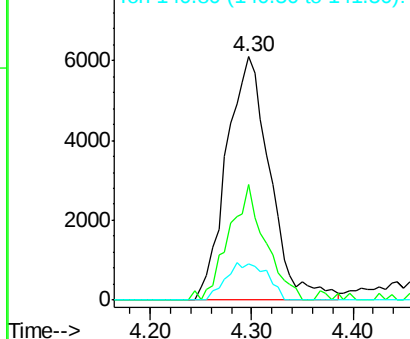
Lab File: VD065389.D

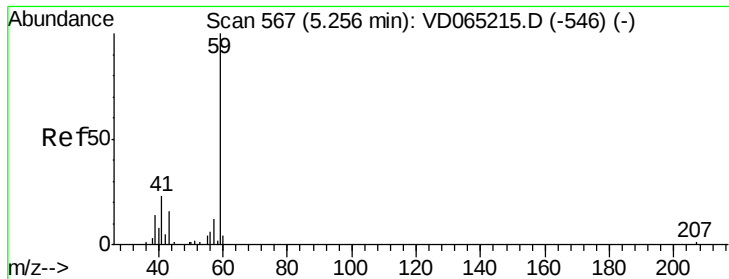
Acq: 03 Mar 2020 12:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 18171 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 39.8  | 33.8  | 50.8  |
| 141       | 14.4  | 11.7  | 17.5  |



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

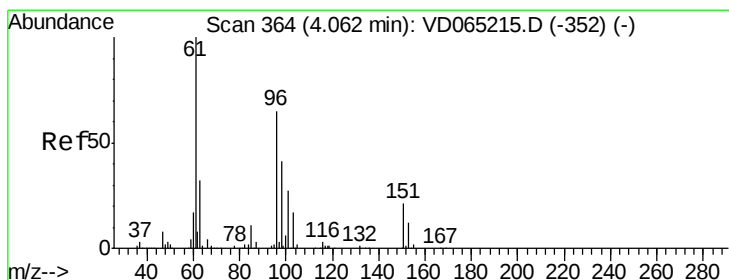
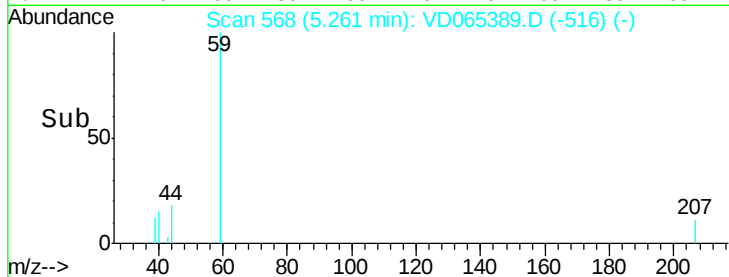
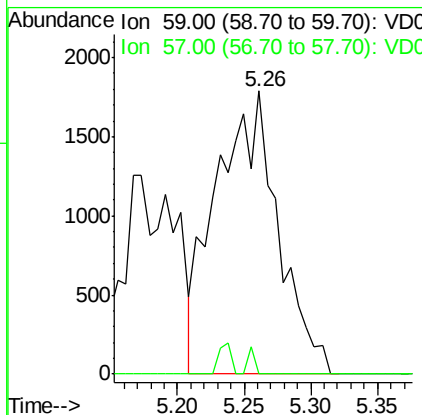
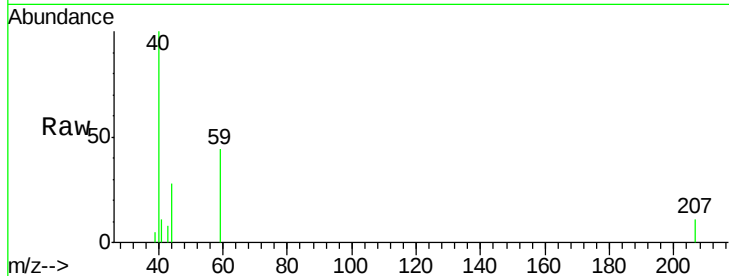
Tert butyl alcohol  
Concen: 25.147 ug/l  
RT: 5.26 min Scan# 568  
Delta R.T. 0.01 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 0.0   | 8.4   | 12.6# |

Manual Integrations  
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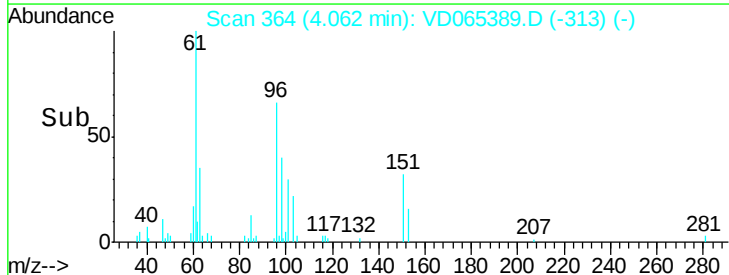
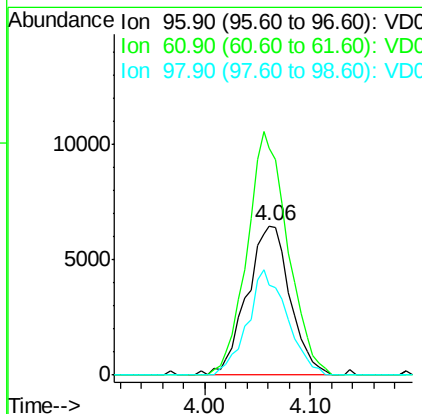
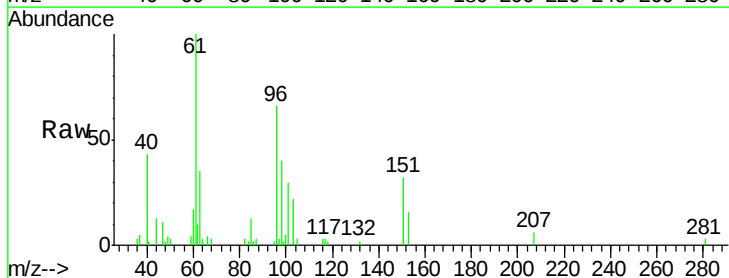
MMDadoda  
3/4/2020 2:01:29 PM

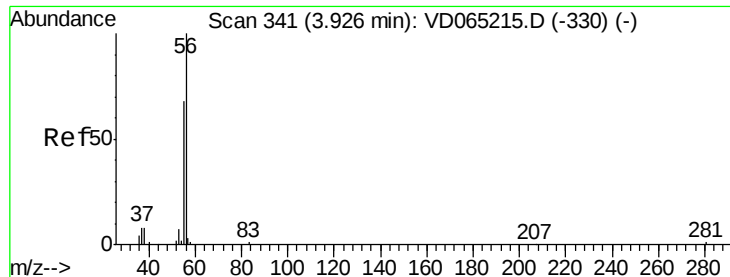


#12

1,1-Dichloroethene  
Concen: 4.654 ug/l  
RT: 4.06 min Scan# 364  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 151.6 | 123.3 | 184.9 |
| 98      | 60.4  | 51.0  | 76.4  |





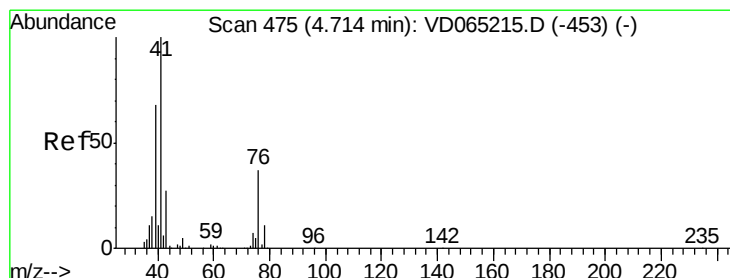
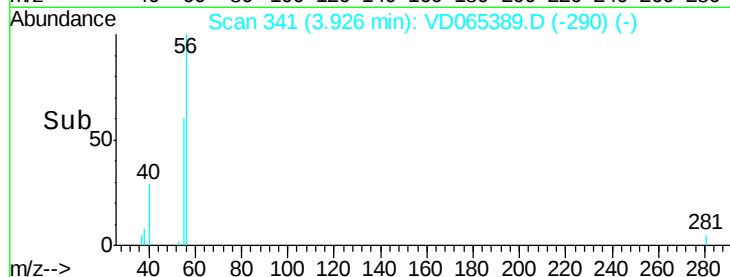
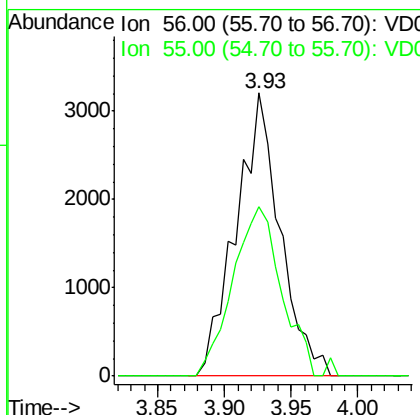
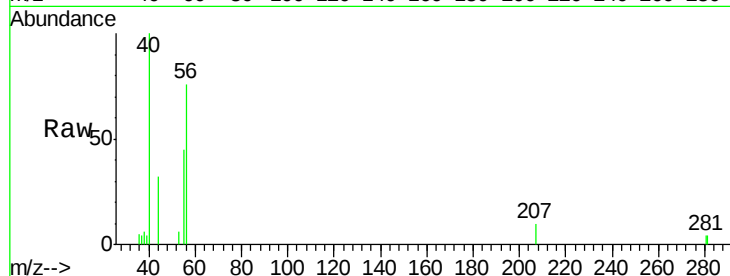
#13  
Acrolein  
Concen: 21.625 ug/l  
RT: 3.93 min Scan# 341  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 66.0  | 56.6  | 85.0  |

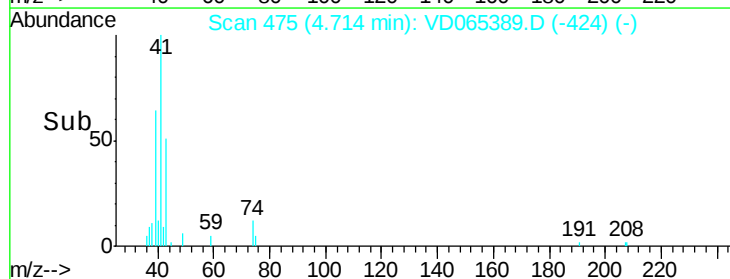
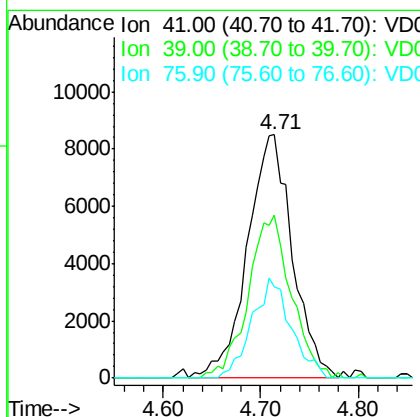
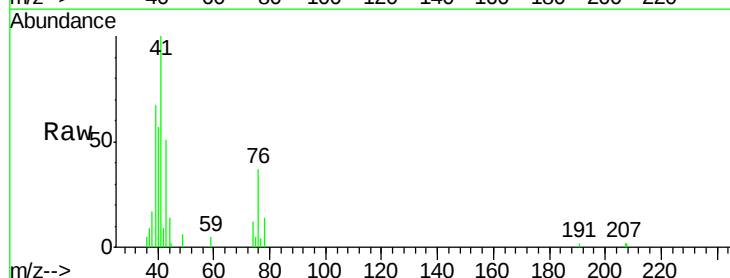
Manual Integrations  
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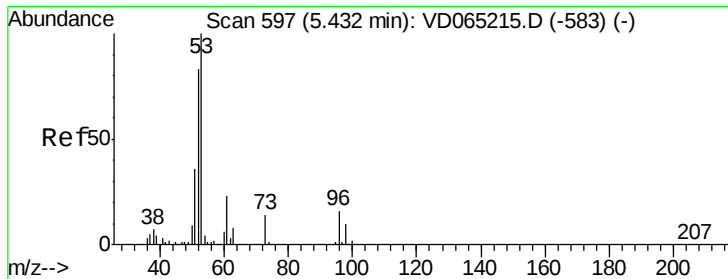
MMDadoda  
3/4/2020 2:01:29 PM



#14  
Allyl chloride  
Concen: 4.291 ug/l  
RT: 4.71 min Scan# 475  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 64.0  | 53.8  | 80.6  |
| 76      | 35.7  | 28.7  | 43.1  |





#15

Acrylonitrile

Concen: 22.725 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA\_D

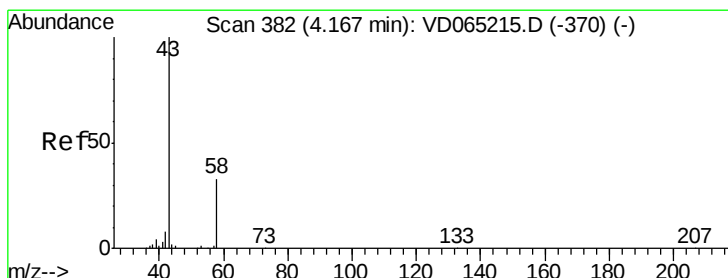
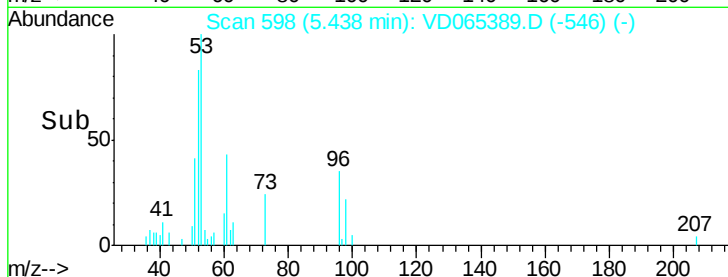
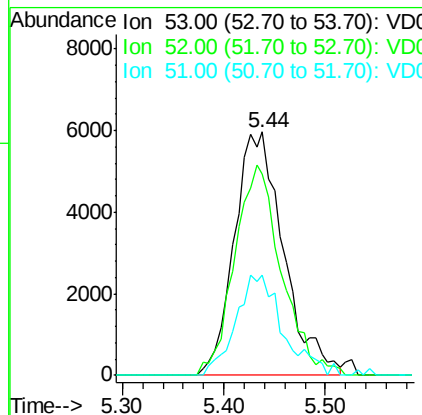
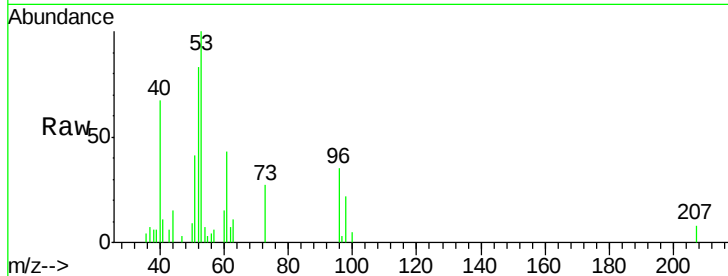
ClientSampleId :

VD0305

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 20052 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 82.6  | 65.4  | 98.2  |
| 51       | 39.5  | 29.5  | 44.3  |

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3/4/2020 2:01:29 PM



#16

Acetone

Concen: 21.459 ug/l

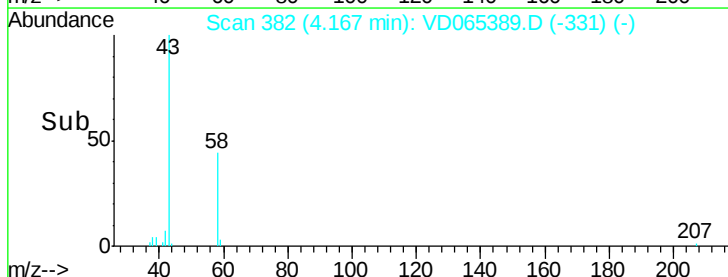
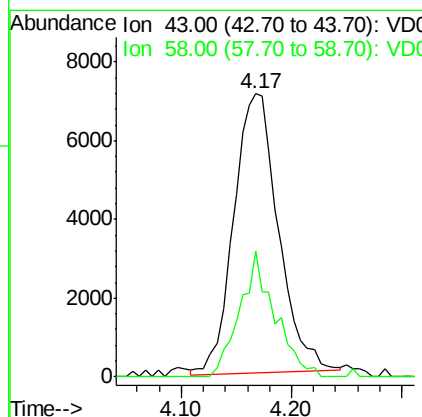
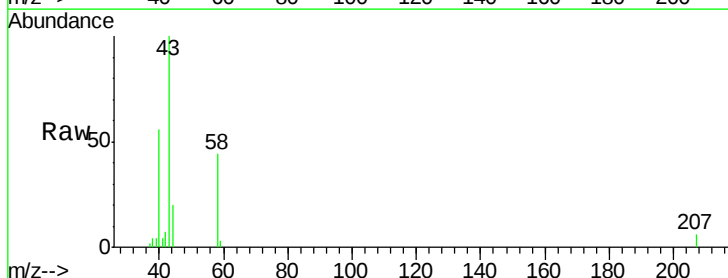
RT: 4.17 min Scan# 382

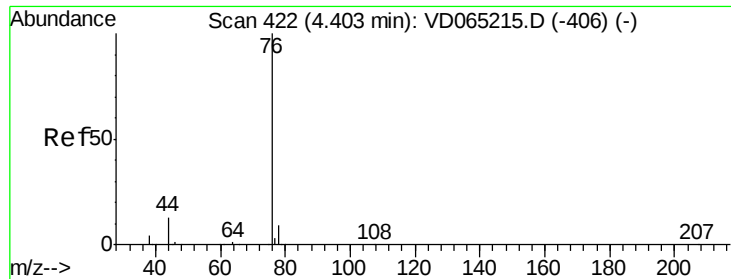
Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 20048 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 45.5  | 26.2  | 39.2# |





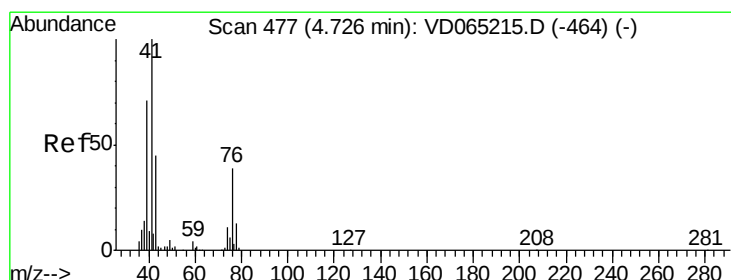
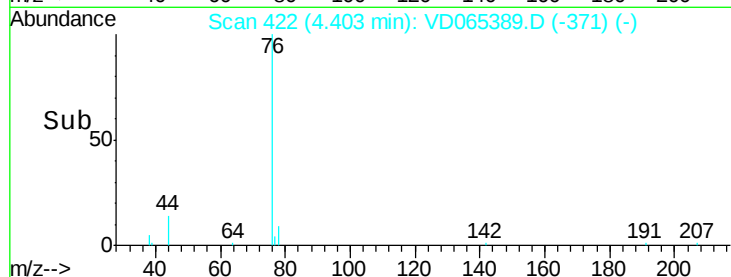
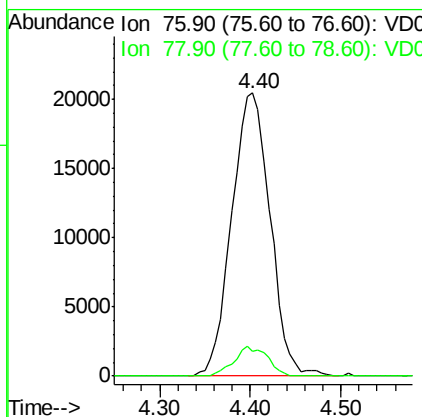
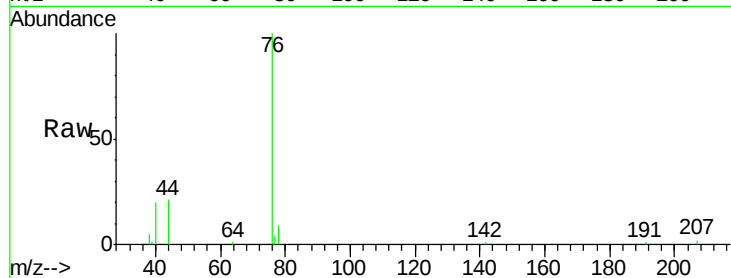
#17  
Carbon Disulfide  
Concen: 4.550 ug/l  
RT: 4.40 min Scan# 422  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.7   | 7.0   | 10.6  |

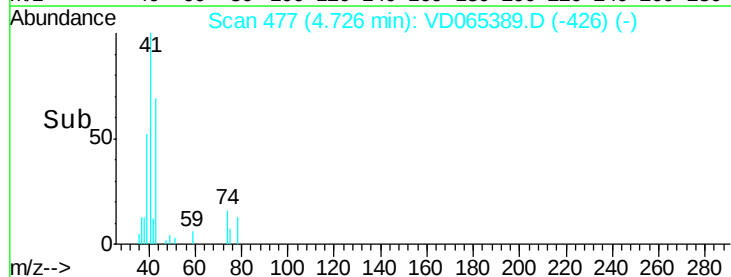
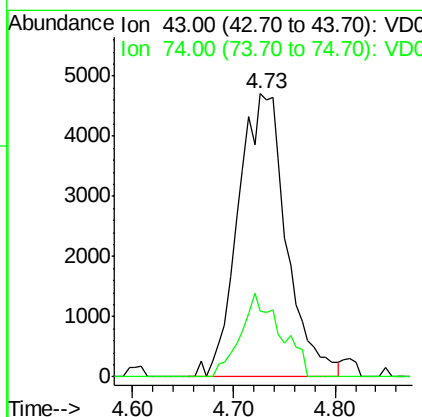
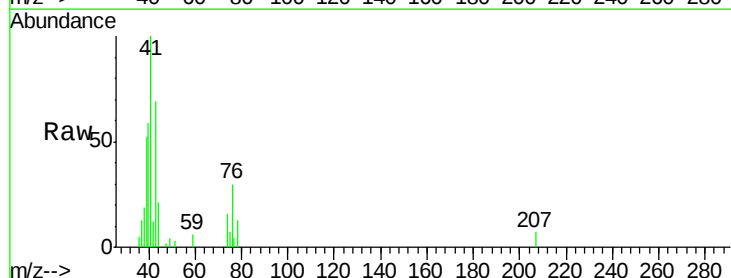
Manual Integrations  
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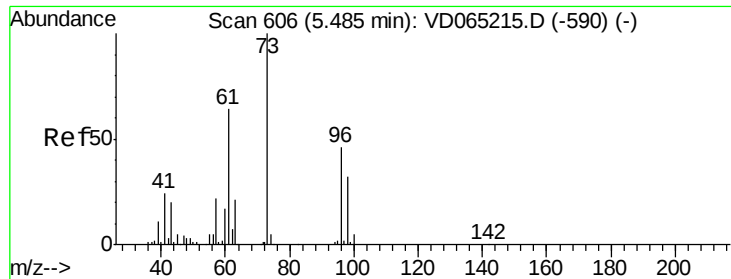
MMDadoda  
3/4/2020 2:01:29 PM



#18  
Methyl Acetate  
Concen: 7.407 ug/l  
RT: 4.73 min Scan# 477  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.4  | 19.4  | 29.2  |





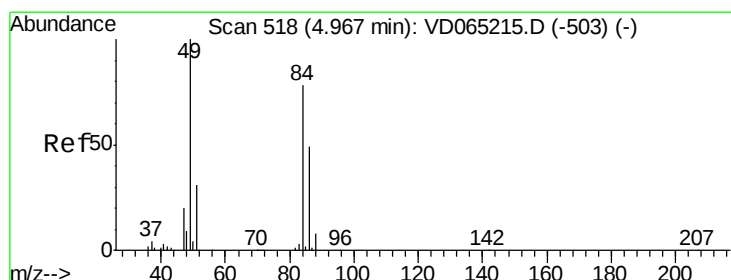
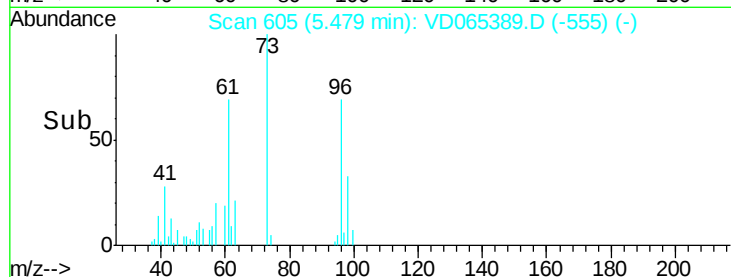
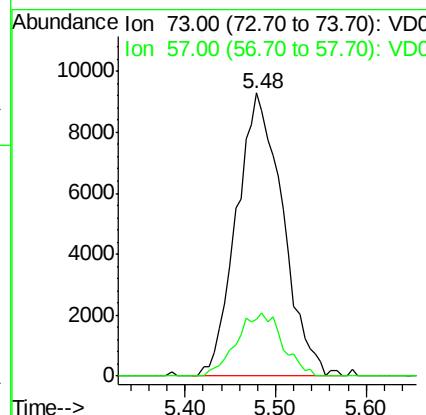
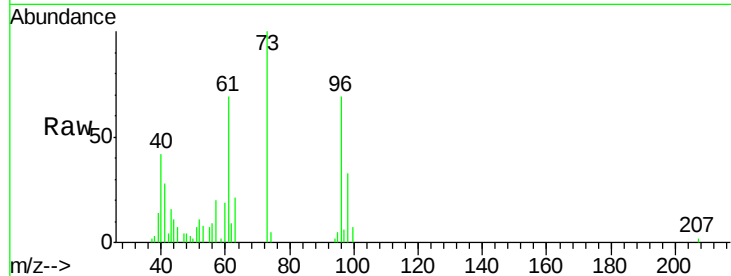
#19  
Methyl tert-butyl Ether  
Concen: 4.018 ug/l  
RT: 5.48 min Scan# 605  
Delta R.T. -0.01 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Instrument :  
MSVOA\_D  
ClientSampled :  
VD0305

Tot Ion: 73 Resp: 33000  
Ion Ratio Lower Upper  
73 100  
57 20.1 17.3 25.9

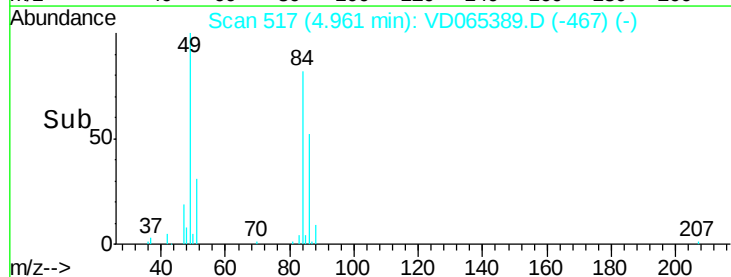
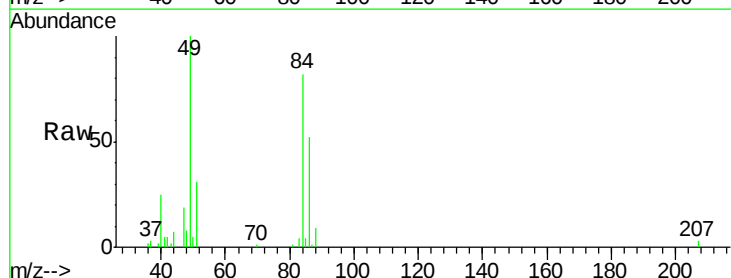
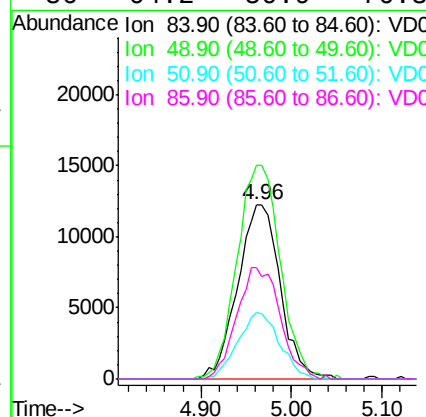
Manual Integrations  
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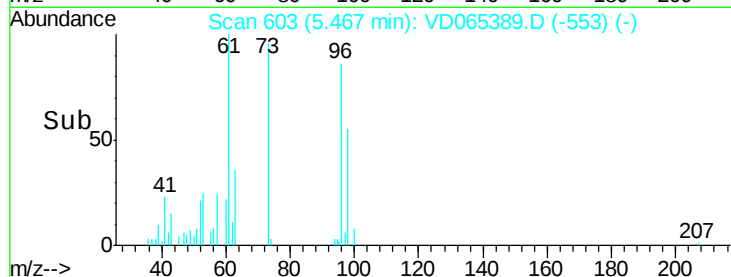
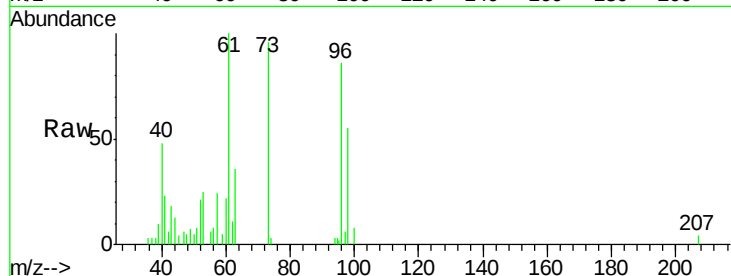
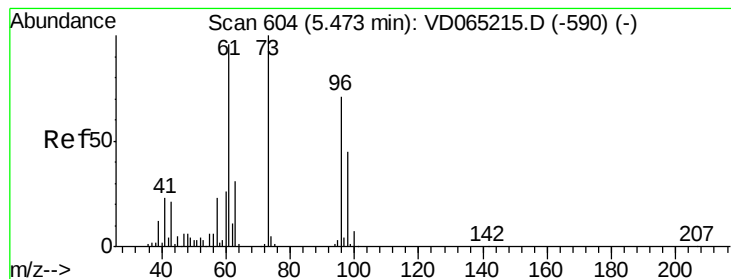
MMDadoda  
3/4/2020 2:01:29 PM



#20  
Methylene Chloride  
Concen: 8.402 ug/l  
RT: 4.96 min Scan# 517  
Delta R.T. -0.01 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Tgt Ion: 84 Resp: 39844  
Ion Ratio Lower Upper  
84 100  
49 122.5 103.1 154.7  
51 38.0 31.7 47.5  
86 64.2 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 4.649 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 20817 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 116.8 | 108.3 | 162.5 |
| 98       | 64.4  | 50.7  | 76.1  |

Instrument :

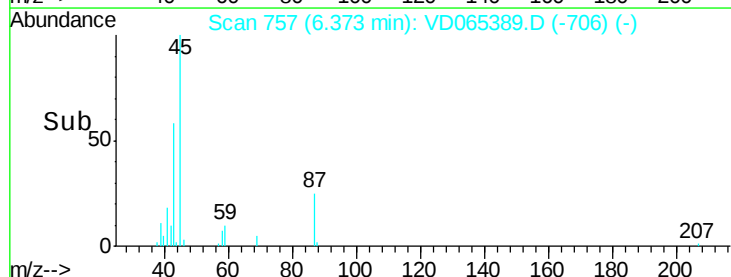
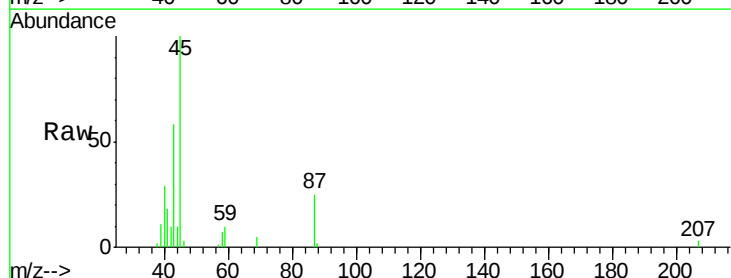
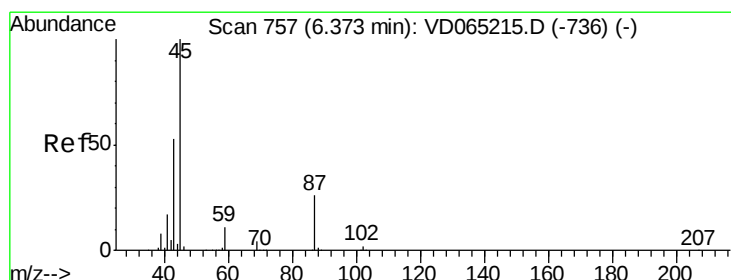
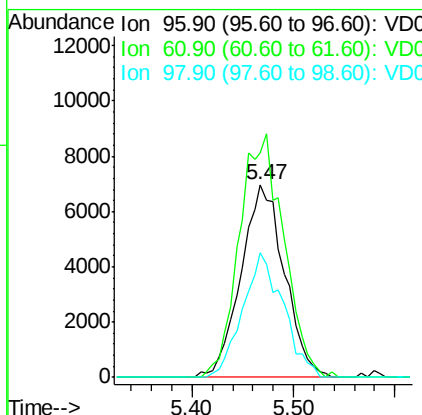
MSVOA\_D

ClientSampleId :

VD0305

Manual Integrations  
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#22

Diisopropyl ether

Concen: 3.792 ug/l

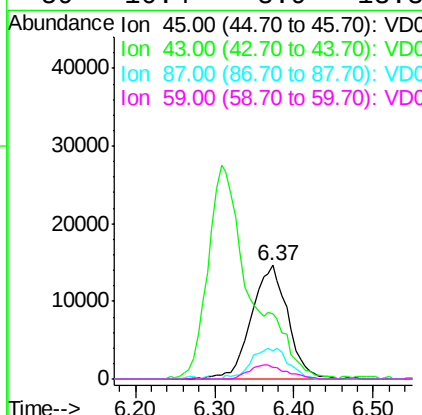
RT: 6.37 min Scan# 757

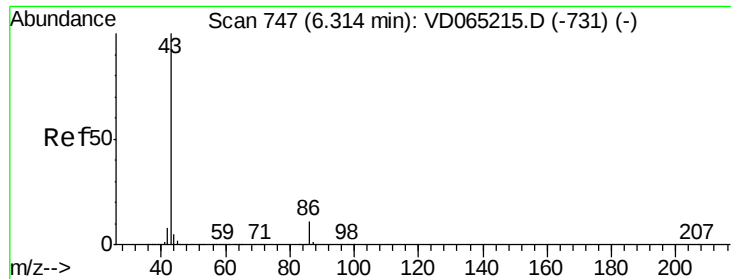
Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 46760 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 57.7  | 42.6  | 64.0  |
| 87       | 24.6  | 21.2  | 31.8  |
| 59       | 10.4  | 8.9   | 13.3  |





#23

Vinyl Acetate

Concen: 15.080 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA\_D

ClientSampleId :

VD0305

Tot Ion: 43 Resp: 102510

Ion Ratio Lower Upper

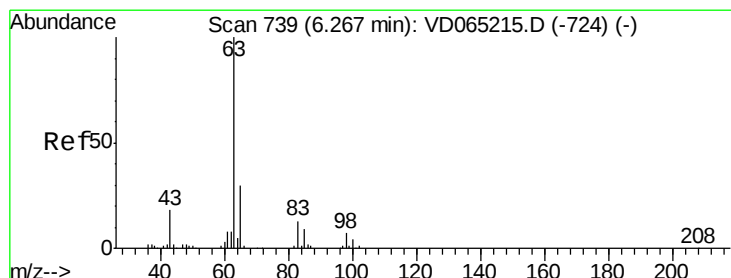
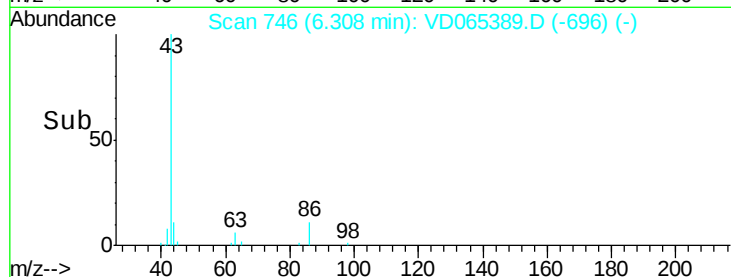
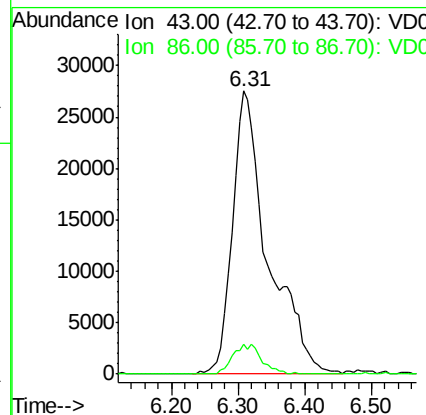
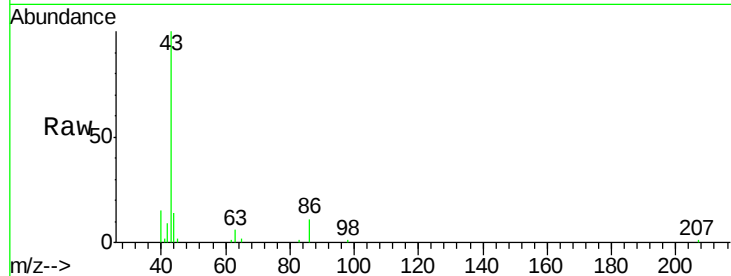
43 100

86 10.6 8.6 12.8

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#24

1,1-Dichloroethane

Concen: 4.364 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

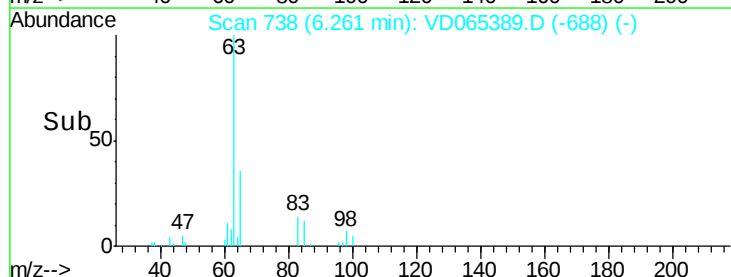
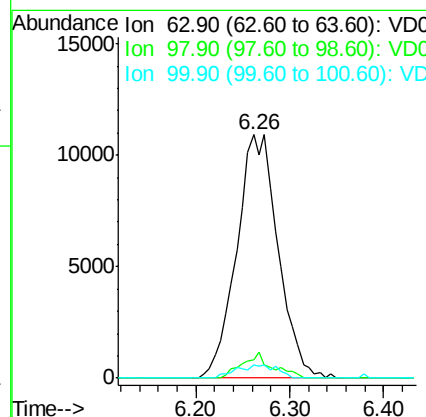
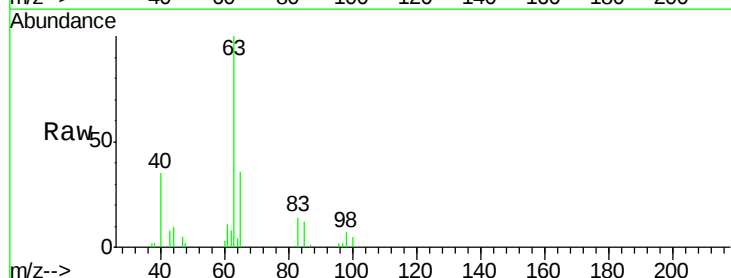
Tgt Ion: 63 Resp: 33377

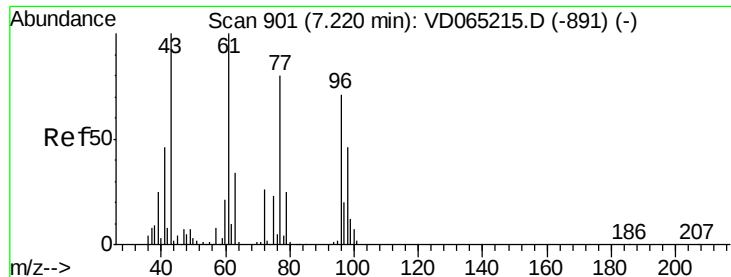
Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.1

100 5.2 2.3 6.8





#25

2-Butanone

Concen: 19.967 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA\_D

ClientSampleId :

VD0305

Tot Ion: 43 Resp: 23601

Ion Ratio Lower Upper

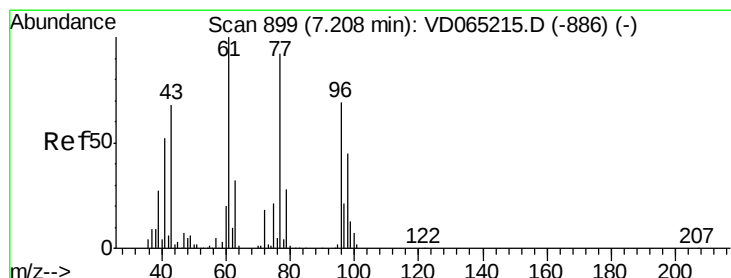
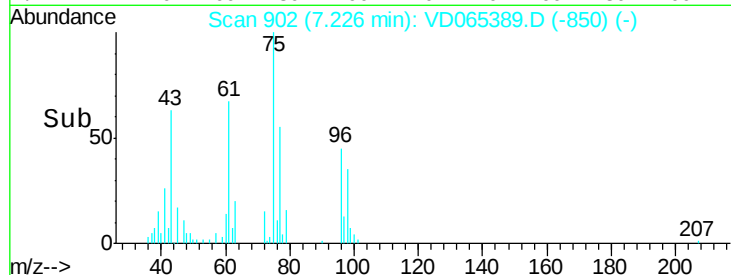
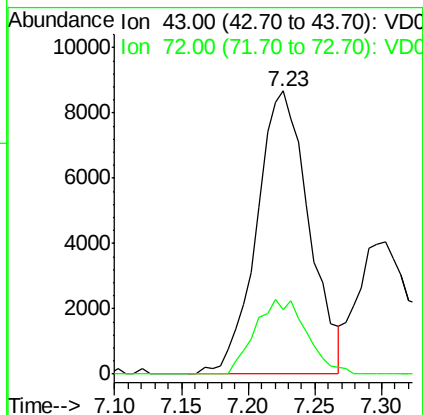
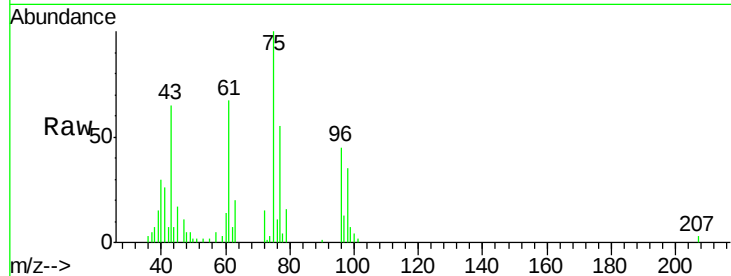
43 100

72 22.8 20.9 31.3

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#26

2,2-Dichloropropane

Concen: 4.546 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065389.D

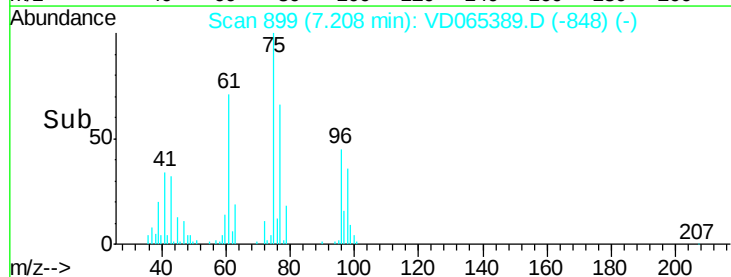
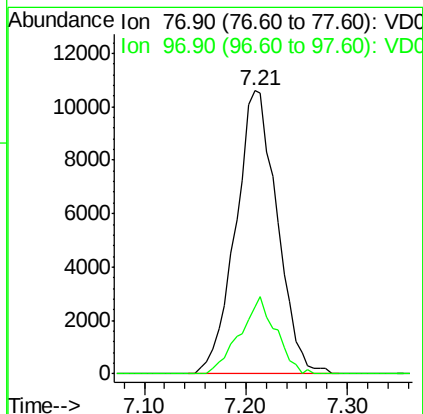
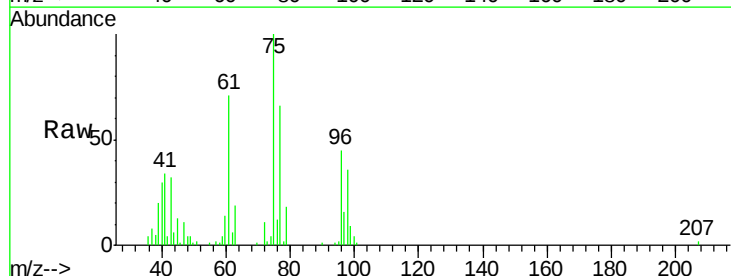
Acq: 03 Mar 2020 12:43

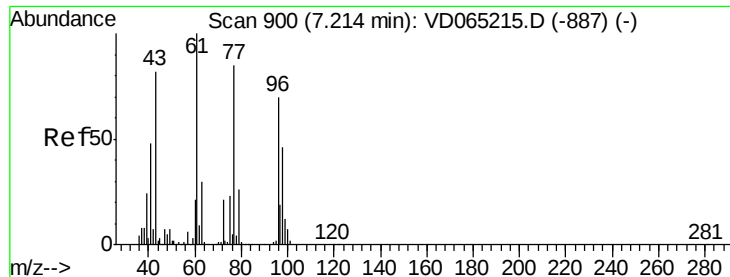
Tgt Ion: 77 Resp: 30163

Ion Ratio Lower Upper

77 100

97 23.7 11.7 35.1





#27

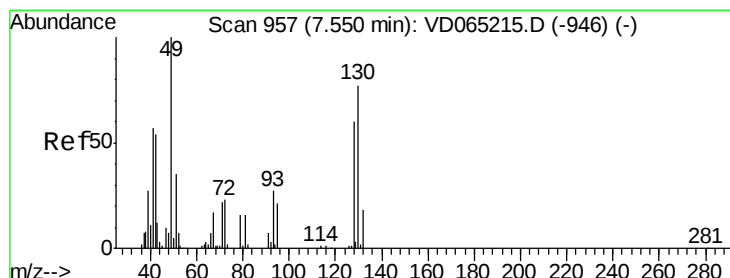
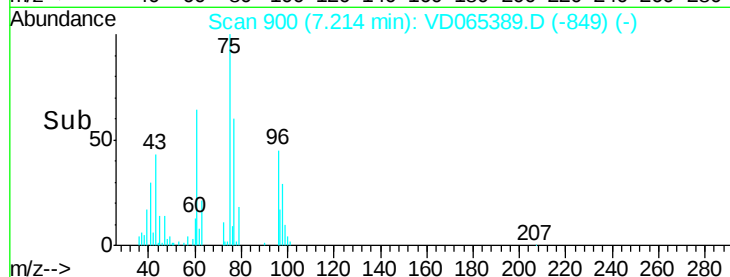
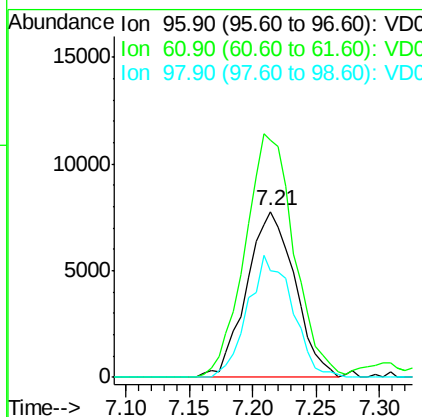
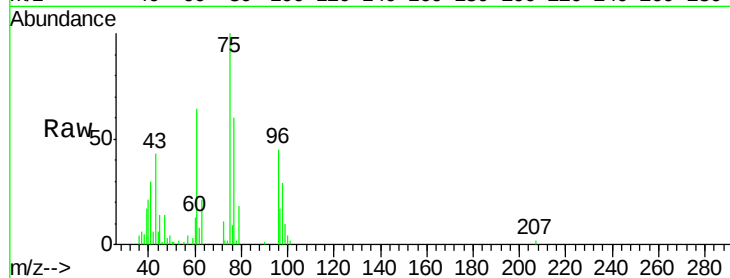
cis-1,2-Dichloroethene  
Concen: 4.330 ug/l  
RT: 7.21 min Scan# 900  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 150.0 | 0.0   | 286.0 |
| 98      | 68.3  | 0.0   | 127.8 |

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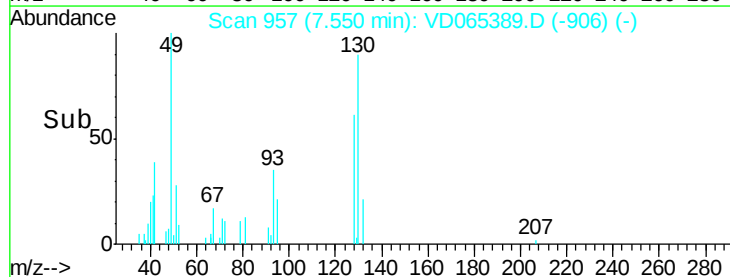
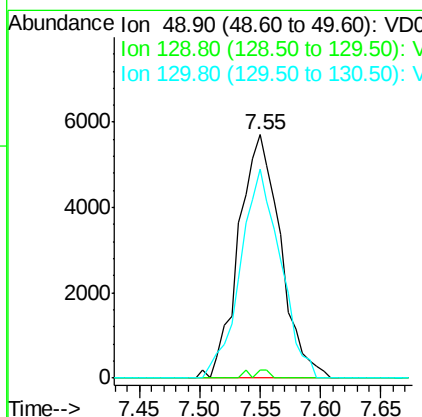
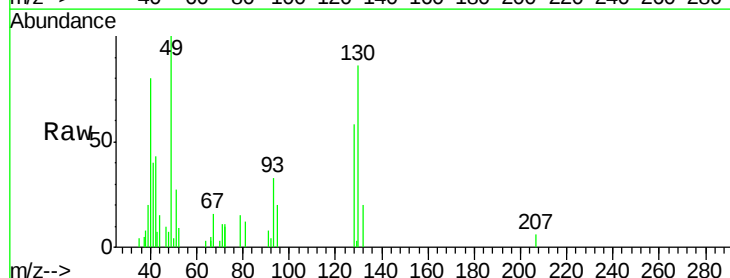
MMDadoda  
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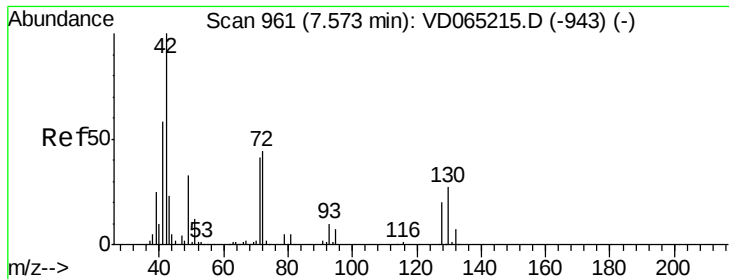


#28

Bromochloromethane  
Concen: 4.830 ug/l  
RT: 7.55 min Scan# 957  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.5   | 0.0   | 4.6   |
| 130     | 82.8  | 64.7  | 97.1  |





#29

Tetrahydrofuran

Concen: 20.213 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA\_D

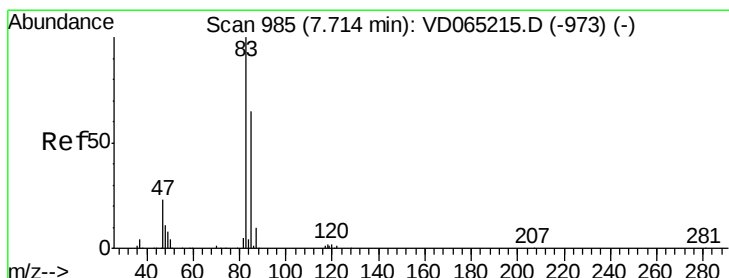
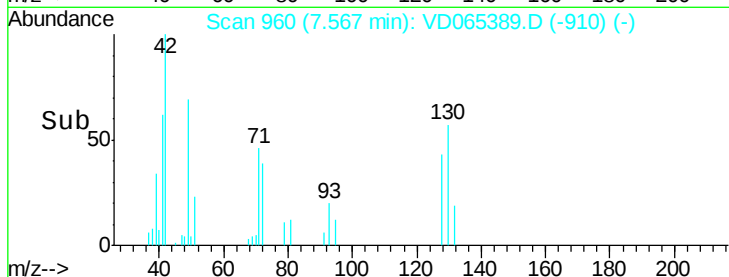
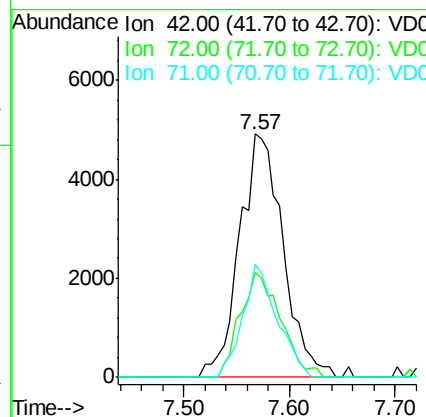
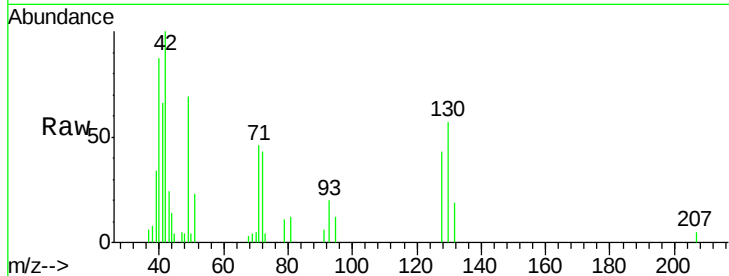
ClientSampleId :

VD0305

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 42    | Resp: | 13999 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 40.2  | 33.7  | 50.5  |
| 71       | 36.8  | 31.4  | 47.2  |

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#30

Chloroform

Concen: 4.800 ug/l

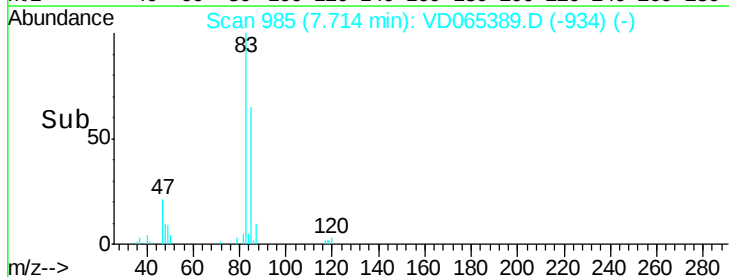
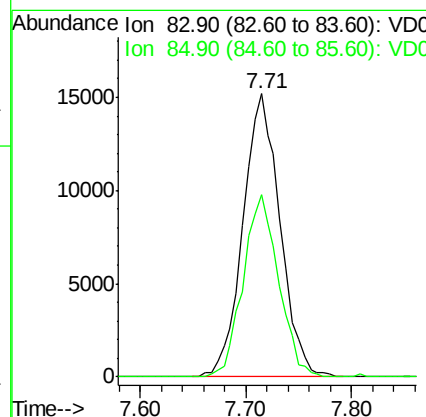
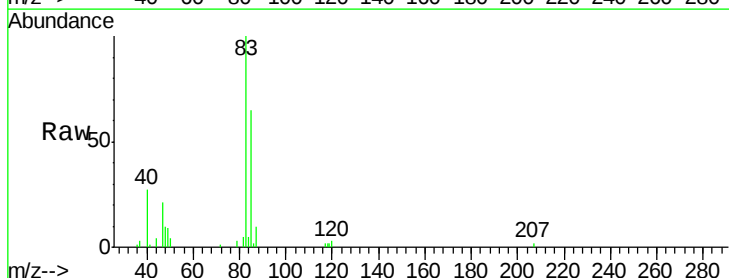
RT: 7.71 min Scan# 985

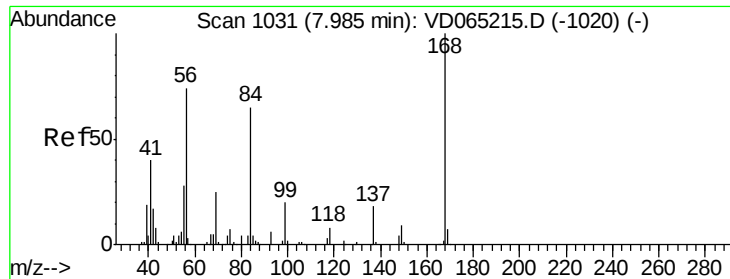
Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 36985 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.5  | 52.3  | 78.5  |





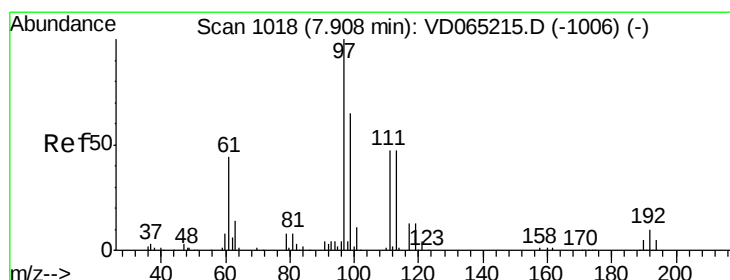
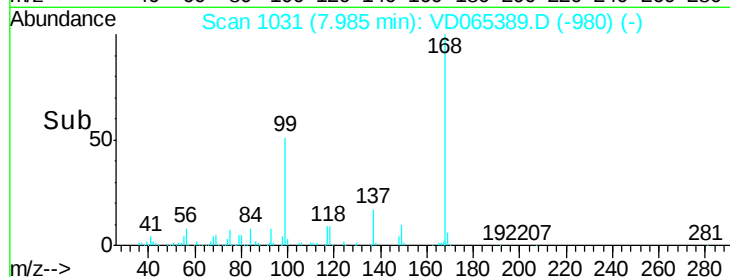
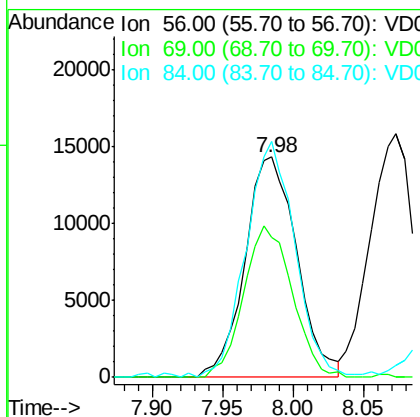
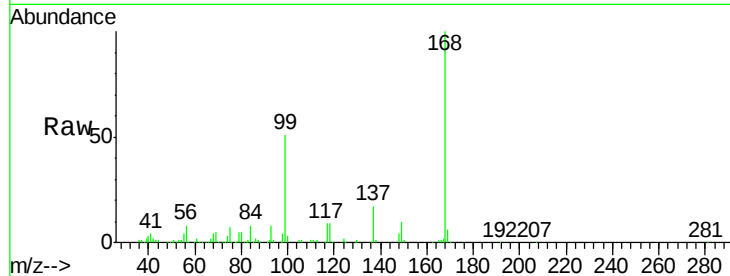
#31  
Cyclohexane  
Concen: 4.896 ug/l  
RT: 7.98 min Scan# 1031  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0305

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 56      | 100   |       |       |       |
| 69      | 63.7  | 27.4  | 41.0# |       |
| 84      | 105.6 | 71.1  | 106.7 |       |

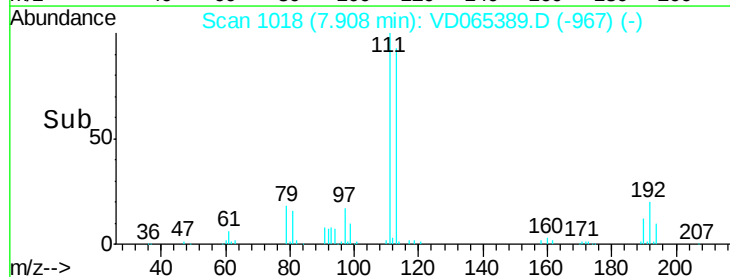
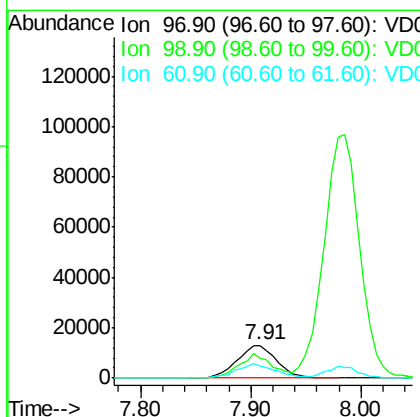
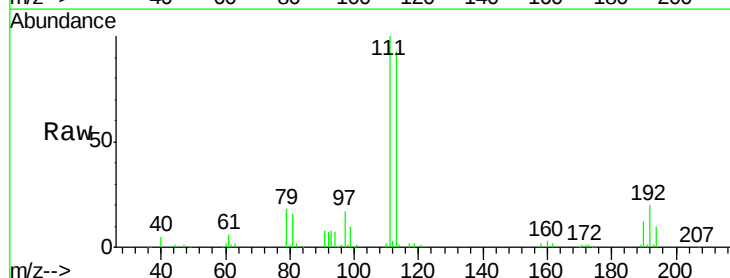
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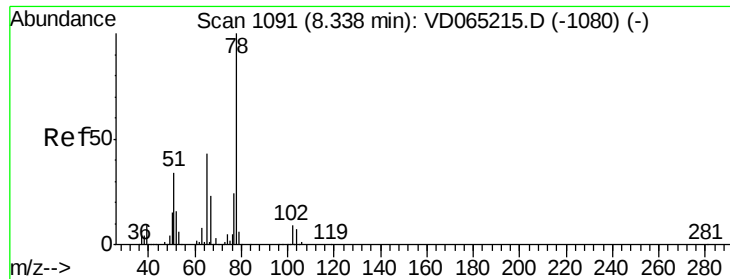
MMDadoda  
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#32  
1,1,1-Trichloroethane  
Concen: 4.723 ug/l  
RT: 7.91 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 97      | 100  |       |       |       |
| 99      | 63.4 | 51.4  | 77.2  |       |
| 61      | 43.8 | 34.8  | 52.2  |       |





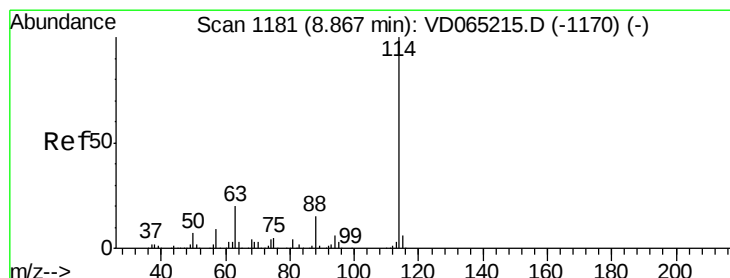
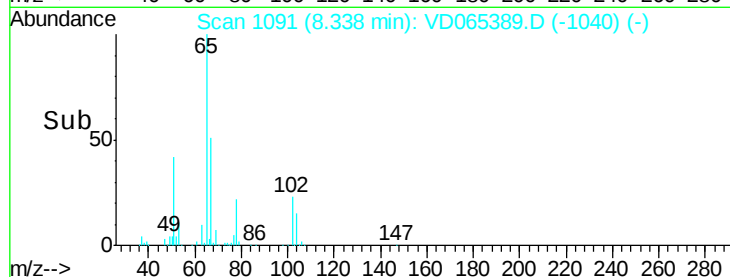
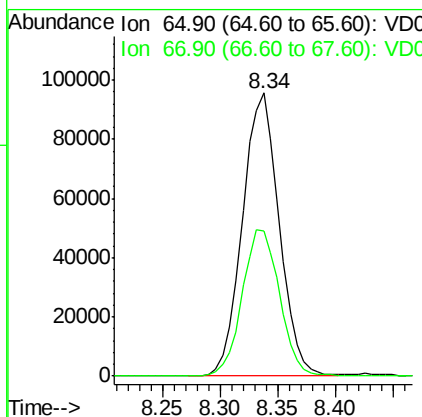
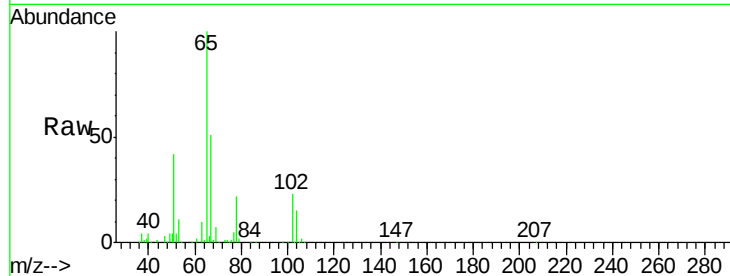
#33  
 1,2-Dichloroethane-d4  
 Concen: 55.459 ug/l  
 RT: 8.34 min Scan# 1091  
 Delta R.T. 0.00 min  
 Lab File: VD065389.D  
 Acq: 03 Mar 2020 12:43

Instrument :  
 MSVOA\_D  
 ClientSampled :  
 VD0305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 52.7  | 0.0   | 106.8 |

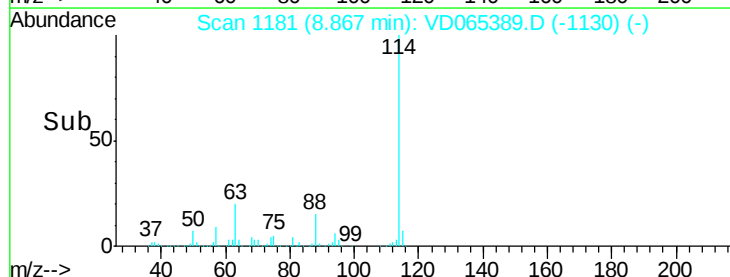
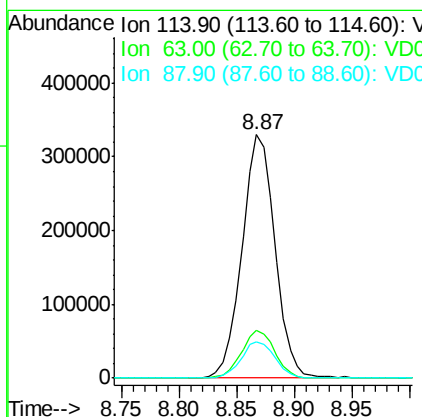
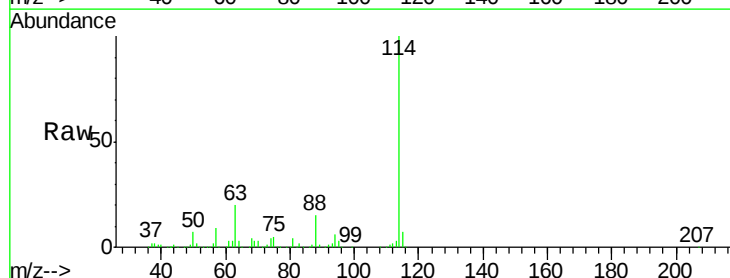
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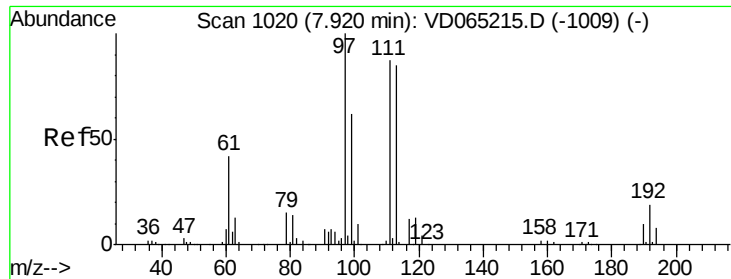
MMDadoda  
 3/4/2020 2:01:29 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. 0.00 min  
 Lab File: VD065389.D  
 Acq: 03 Mar 2020 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.8  | 0.0   | 39.4  |
| 88      | 15.1  | 0.0   | 30.4  |





#35

Dibromofluoromethane

Concen: 55.082 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA\_D

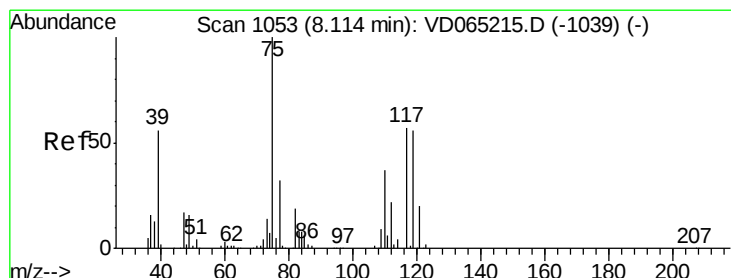
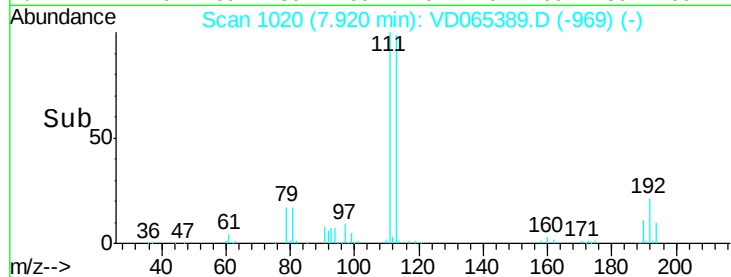
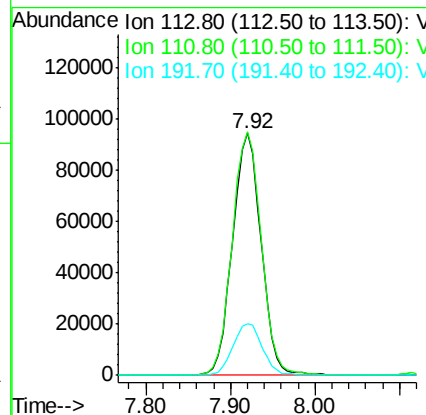
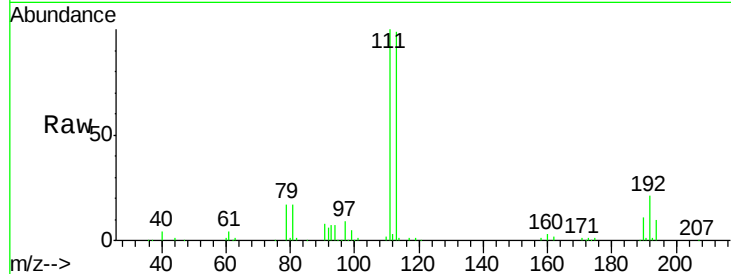
ClientSampleId :

VD0305

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 220068 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.6 | 82.9  | 124.3  |
| 192       | 21.8  | 17.3  | 25.9   |

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3/4/2020 2:01:29 PM



#36

1,1-Dichloropropene

Concen: 4.257 ug/l

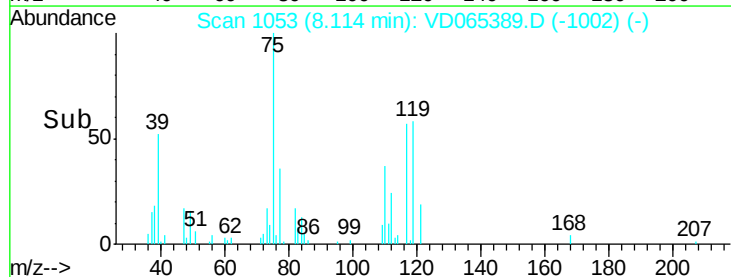
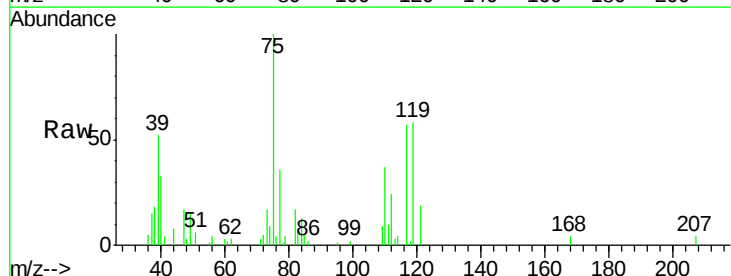
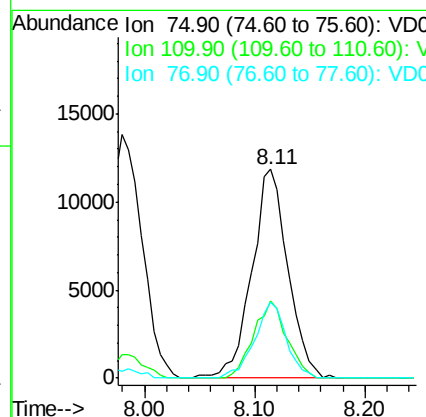
RT: 8.11 min Scan# 1053

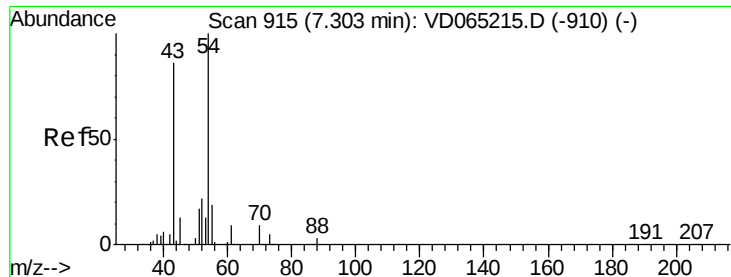
Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 27138 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 34.1  | 17.9  | 53.7  |
| 77        | 32.0  | 25.1  | 37.7  |





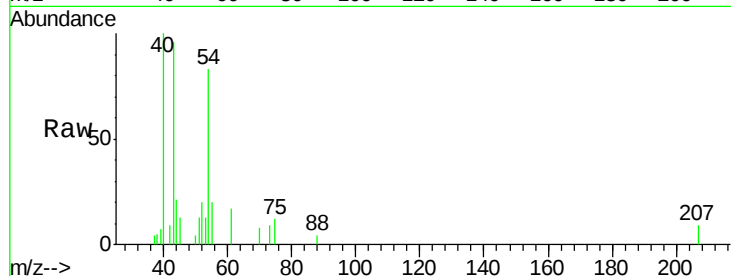
#37  
Ethyl Acetate  
Concen: 4.449 ug/l  
RT: 7.30 min Scan# 915  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.7  | 11.2  | 16.8  |
| 70      | 8.5   | 8.2   | 12.2  |

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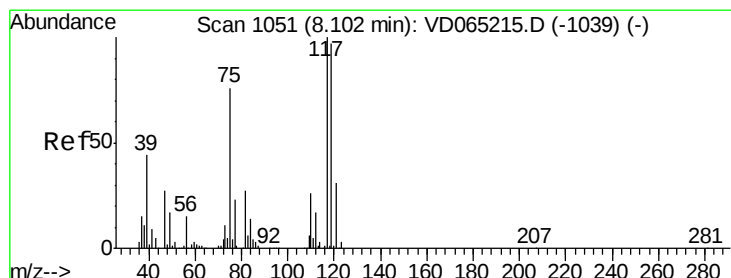
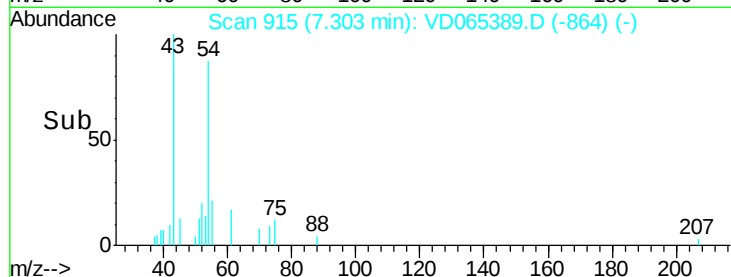
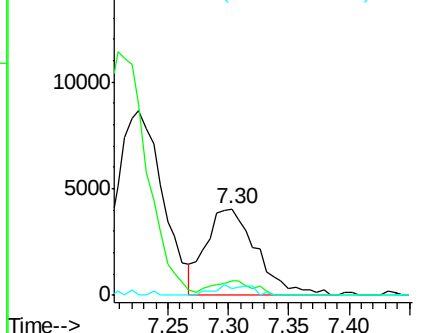


Abundance

Ion 43.00 (42.70 to 43.70): VDC

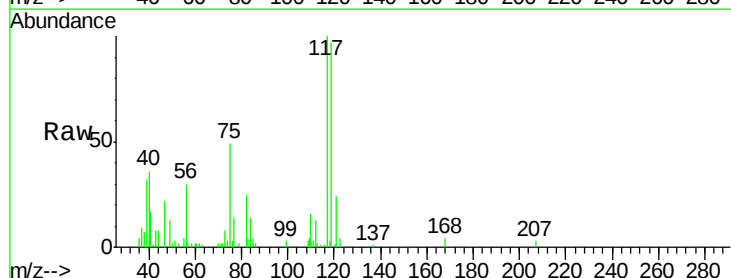
Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38  
Carbon Tetrachloride  
Concen: 4.539 ug/l  
RT: 8.10 min Scan# 1050  
Delta R.T. -0.01 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.6  | 77.6  | 116.4 |
| 121     | 24.1  | 24.8  | 37.2# |

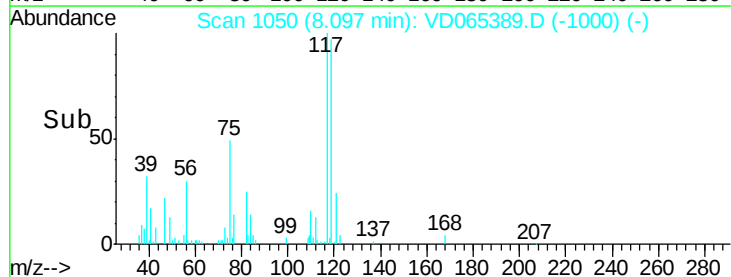
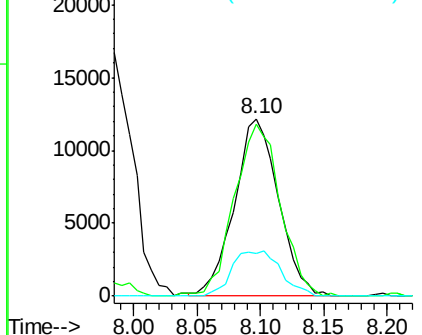


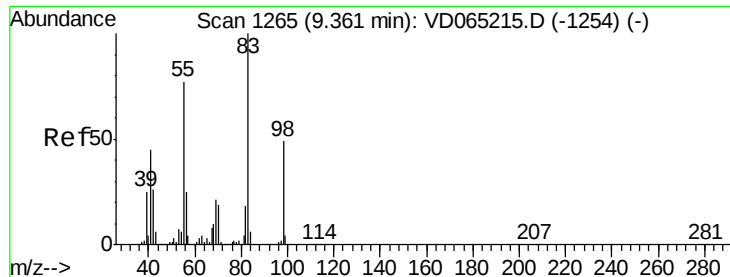
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





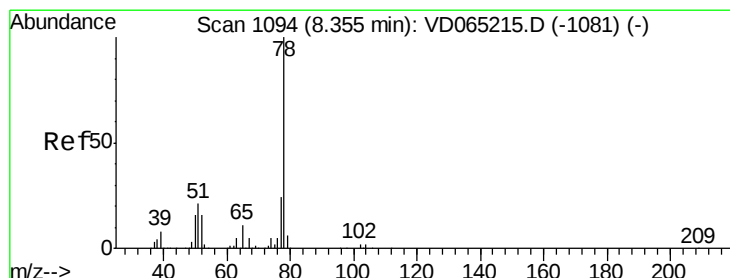
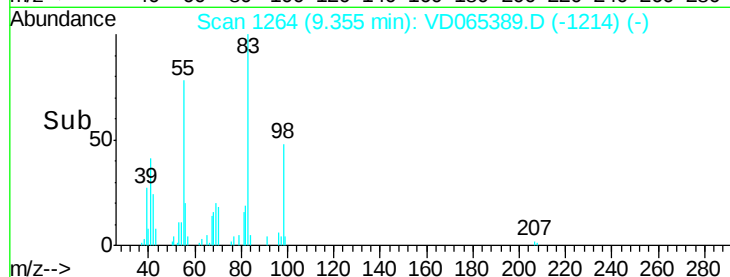
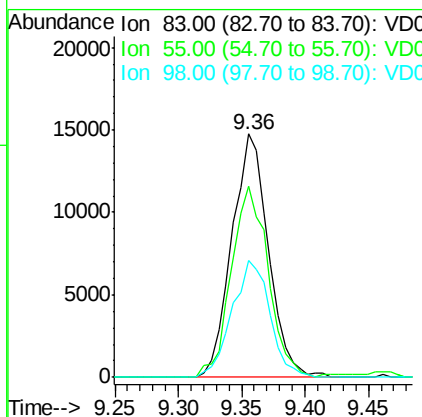
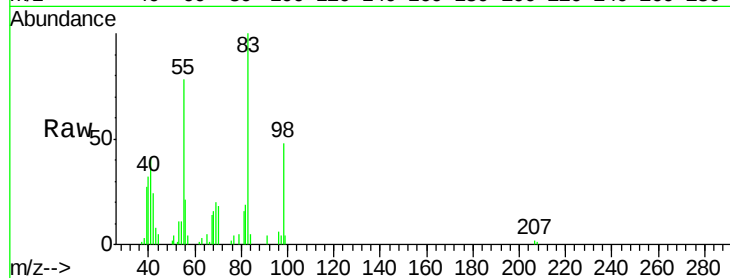
#39  
Methylvlcyclohexane  
Concen: 3.944 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. -0.01 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 78.5  | 61.8  | 92.6  |
| 98      | 47.9  | 39.4  | 59.0  |

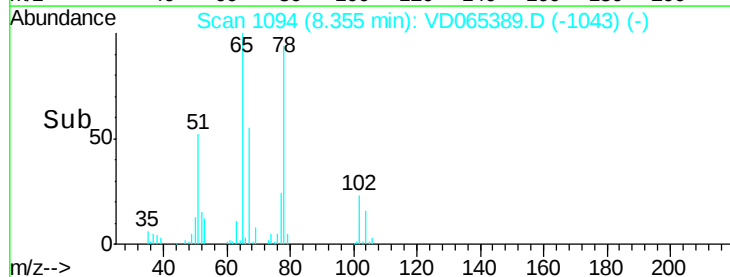
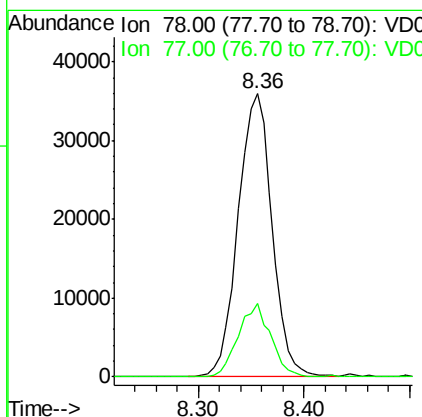
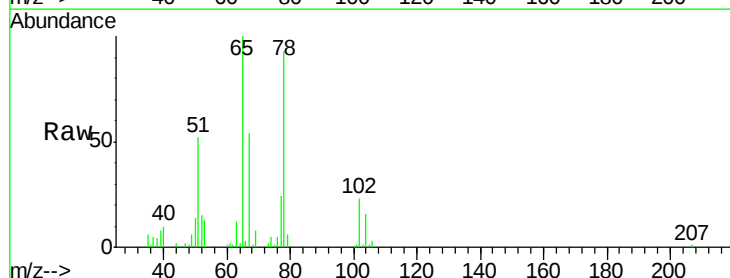
Manual Integrations  
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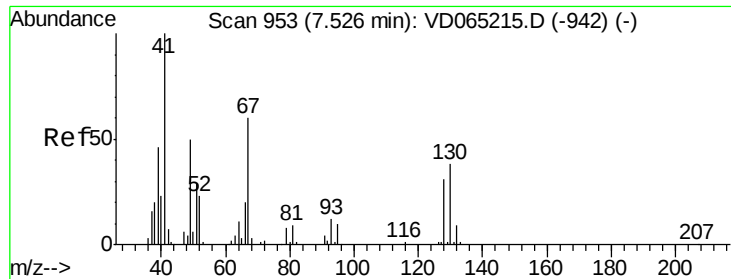
MMDadoda  
3/4/2020 2:01:29 PM



#40  
Benzene  
Concen: 4.455 ug/l  
RT: 8.36 min Scan# 1094  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 25.7  | 19.0  | 28.6  |





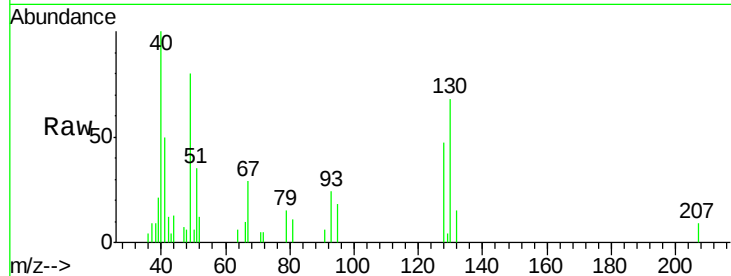
#41  
Methacrylonitrile  
Concen: 4.256 ug/l  
RT: 7.54 min Scan# 955  
Delta R.T. 0.01 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Instrument :  
MSVOA\_D  
ClientSampled :  
VD0305

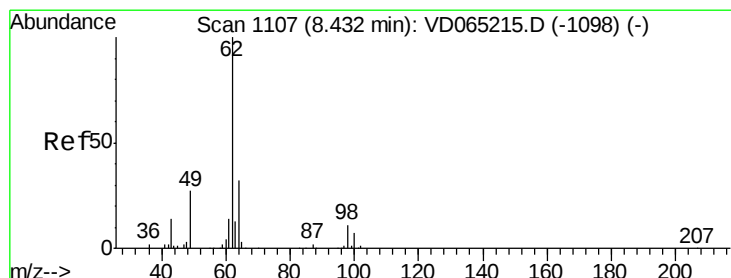
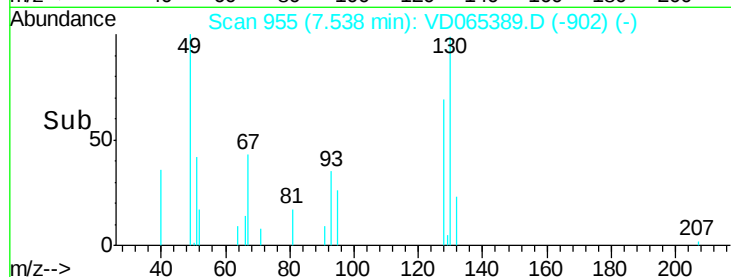
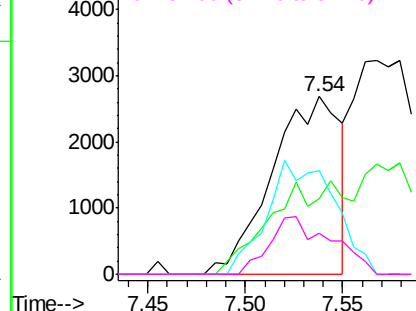
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 32.8  | 48.1  | 72.1# |
| 67      | 62.7  | 58.9  | 88.3  |
| 52      | 29.1  | 24.2  | 36.2  |

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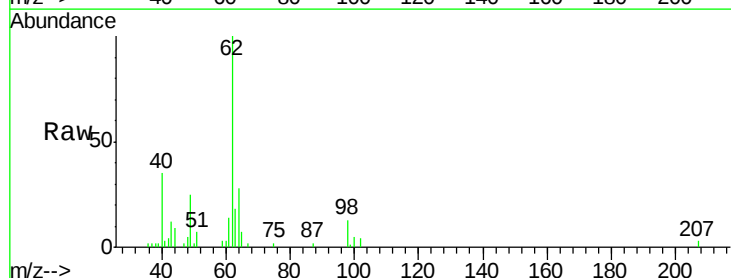


Abundance Ion 41.00 (40.70 to 41.70): VDC  
Ion 39.00 (38.70 to 39.70): VDC  
Ion 67.00 (66.70 to 67.70): VDC  
Ion 52.00 (51.70 to 52.70): VDC

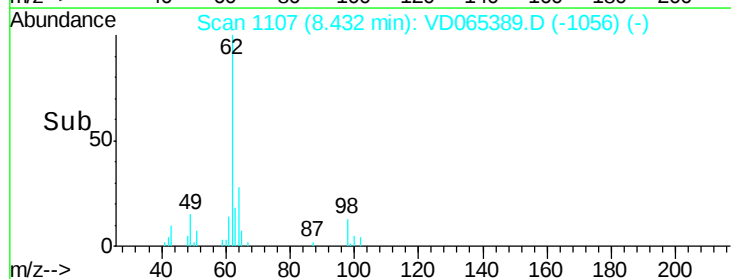
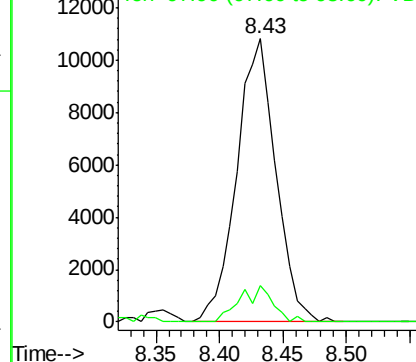


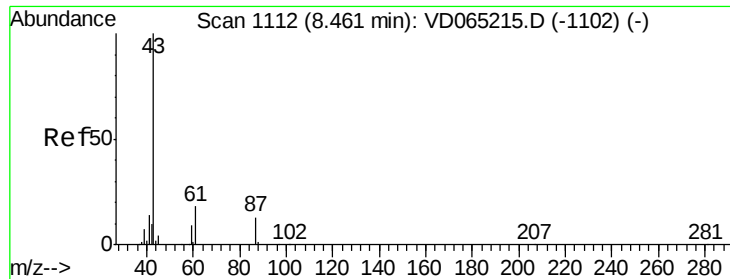
#42  
1,2-Dichloroethane  
Concen: 4.682 ug/l  
RT: 8.43 min Scan# 1107  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.9  | 0.0   | 20.6  |



Abundance Ion 61.90 (61.60 to 62.60): VDC  
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 4.265 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA\_D

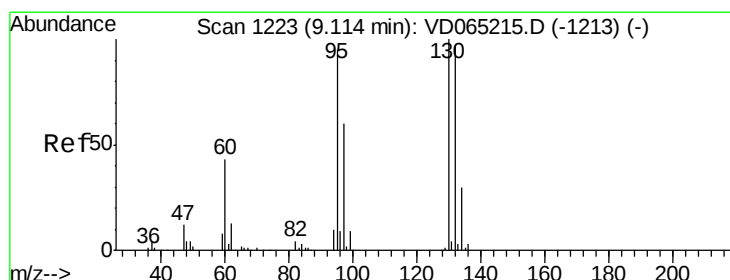
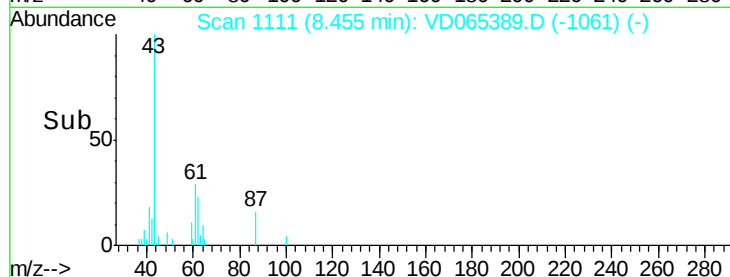
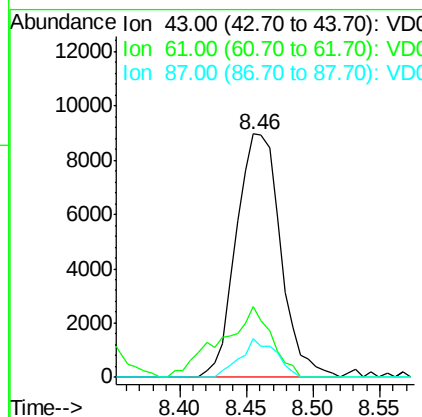
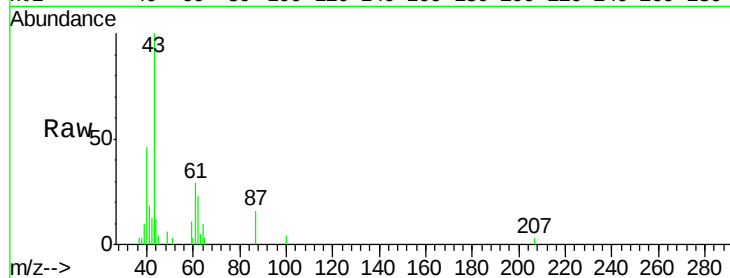
ClientSampleId :

VD0305

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 20670 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 33.1  | 24.6  | 36.8  |
| 87       | 12.8  | 10.6  | 16.0  |

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#44

Trichloroethene

Concen: 4.749 ug/l

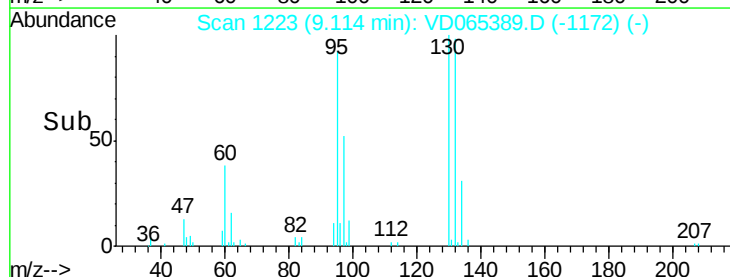
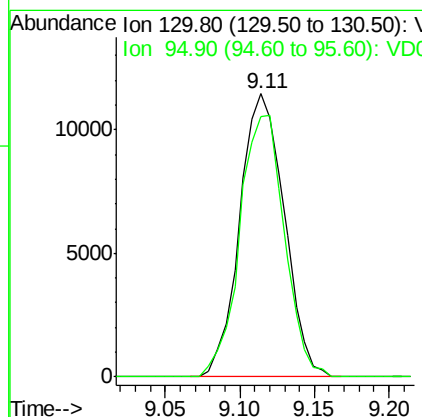
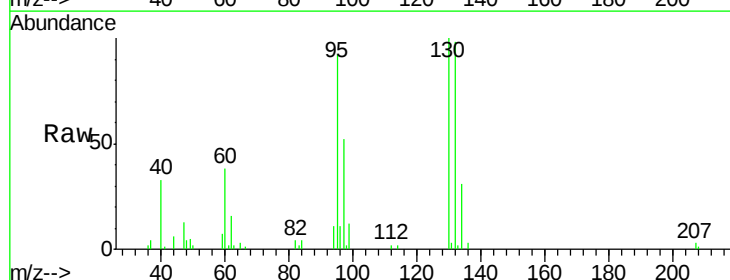
RT: 9.11 min Scan# 1223

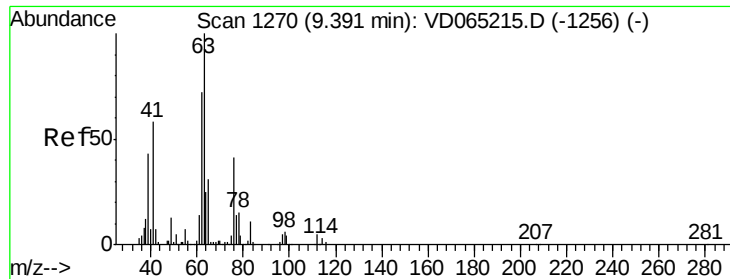
Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 23689 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 92.0  | 0.0   | 190.6 |





#45

1,2-Dichloropropane

Concen: 4.492 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA\_D

ClientSampleId :

VD0305

Tot Ion: 63 Resp: 20099

Ion Ratio Lower Upper

63 100

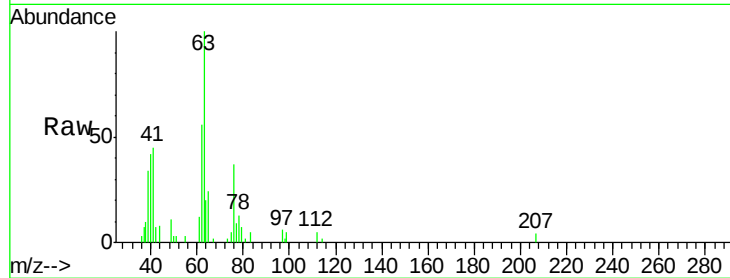
65 23.5 24.9 37.3#

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

12000

10000

8000

6000

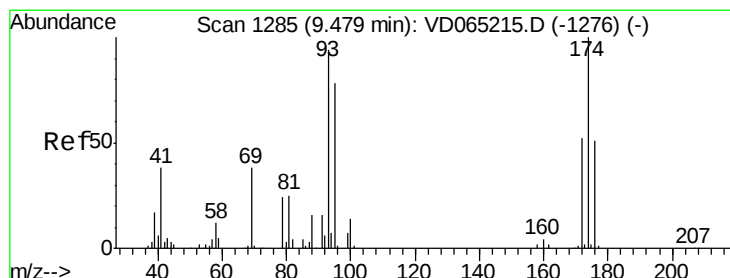
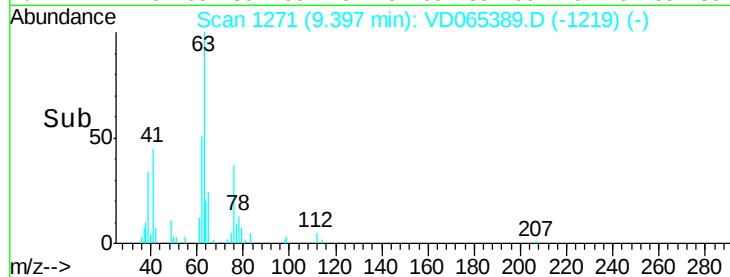
4000

2000

0

Time-->

9.30 9.35 9.40 9.45



#46

Dibromomethane

Concen: 4.421 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

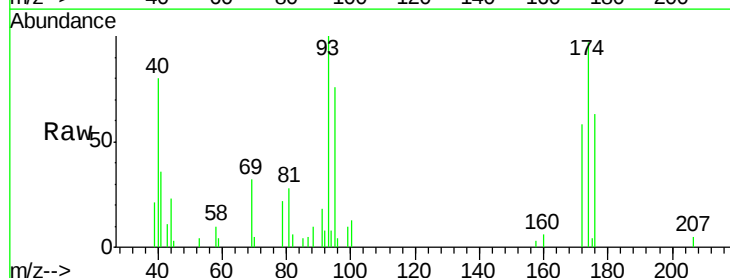
Tgt Ion: 93 Resp: 10179

Ion Ratio Lower Upper

93 100

95 84.8 65.8 98.6

174 113.8 86.8 130.2



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

8000

6000

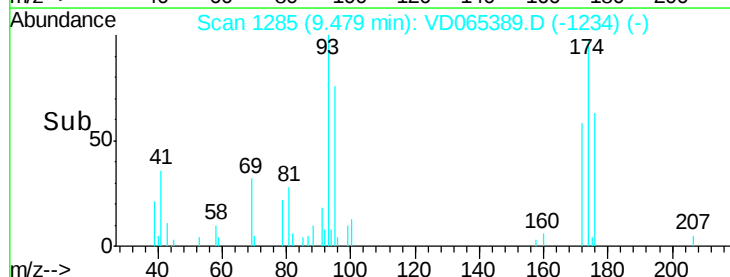
4000

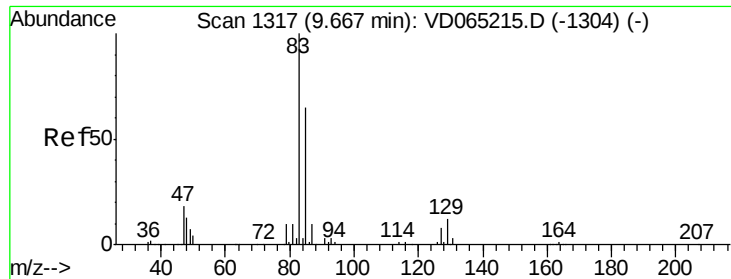
2000

0

Time-->

9.40 9.45 9.50 9.55





#47

Bromodichloromethane

Concen: 4.463 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA\_D

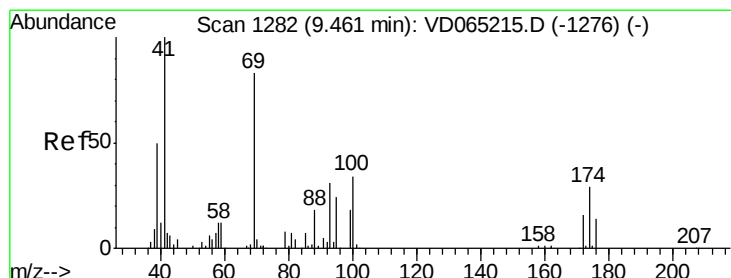
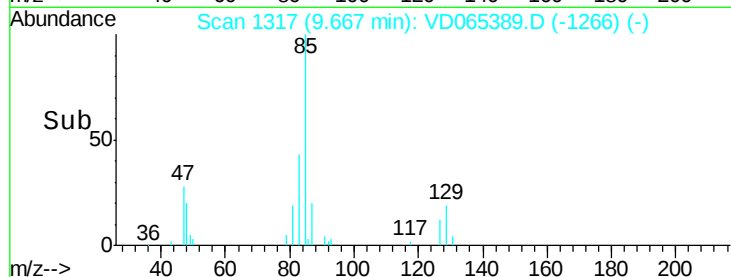
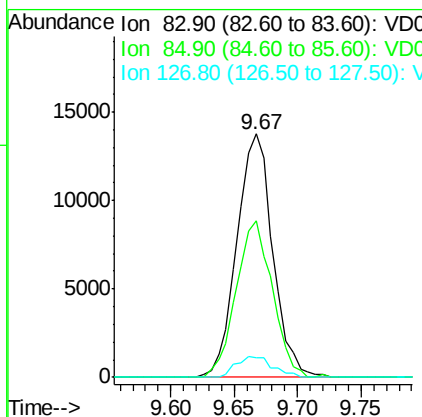
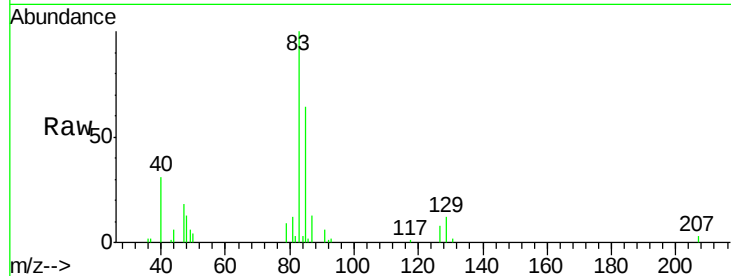
ClientSampleId :

VD0305

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 27079 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.2  | 52.0  | 78.0  |
| 127      | 7.8   | 6.7   | 10.1  |

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#48

Methyl methacrylate

Concen: 3.844 ug/l

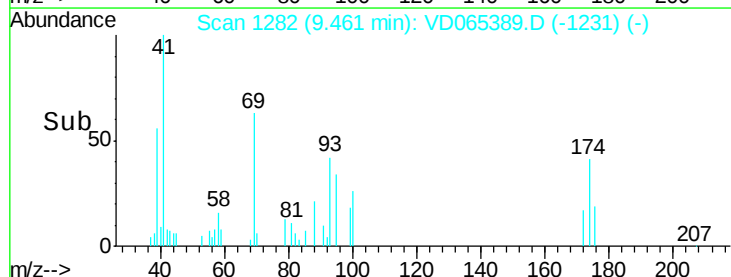
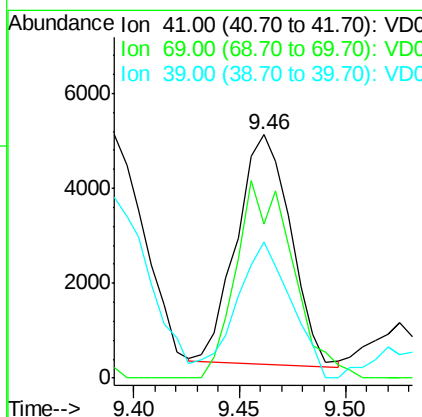
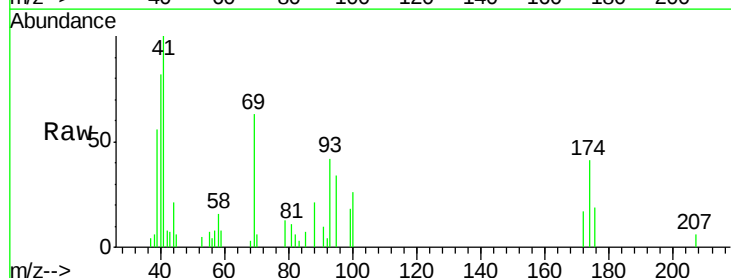
RT: 9.46 min Scan# 1282

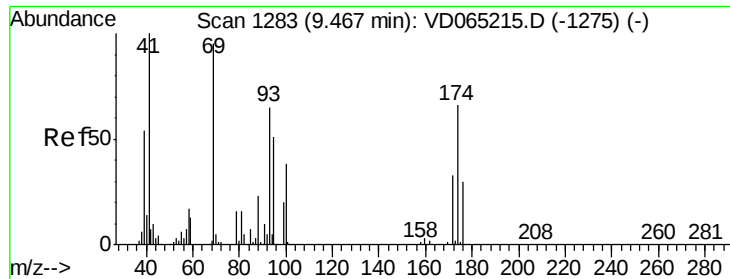
Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 8611  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 89.5  | 68.2  | 102.2 |
| 39       | 59.0  | 42.0  | 63.0  |





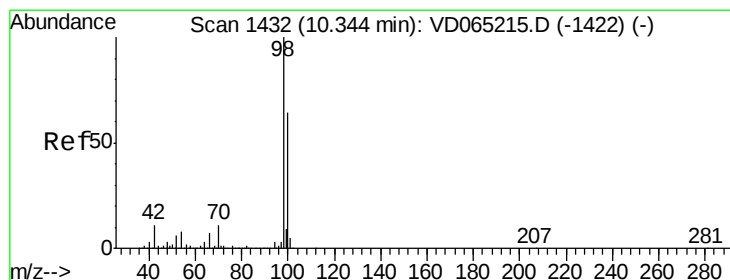
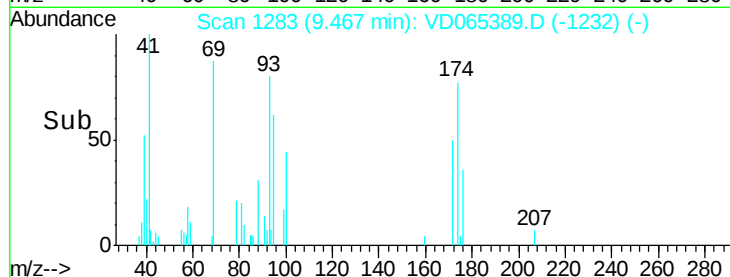
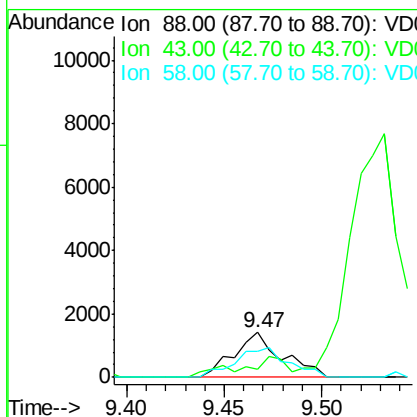
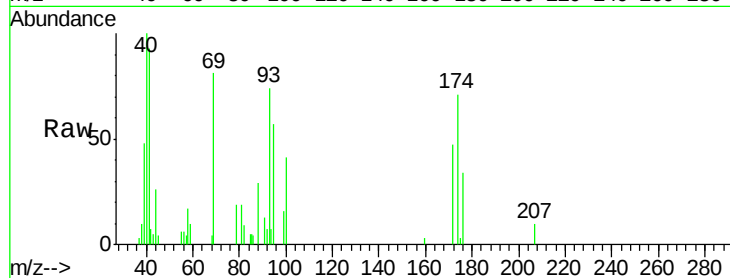
#49  
1,4-Dioxane  
Concen: 89.212 ug/l  
RT: 9.47 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Instrument :  
MSVOA\_D  
ClientSampled :  
VD0305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 22.4  | 28.5  | 42.7# |
| 58      | 73.1  | 58.6  | 87.8  |

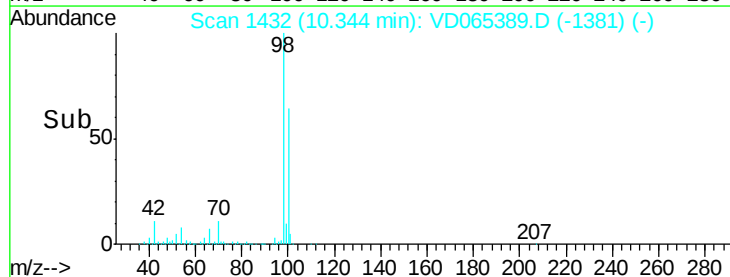
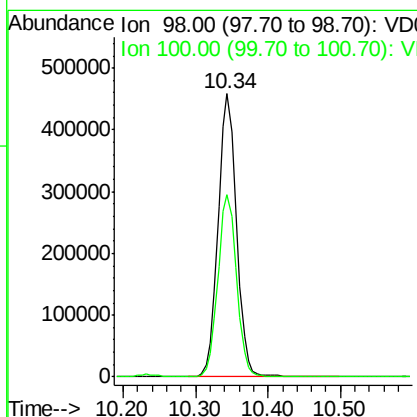
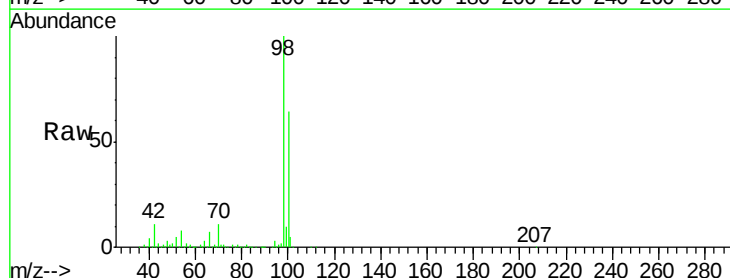
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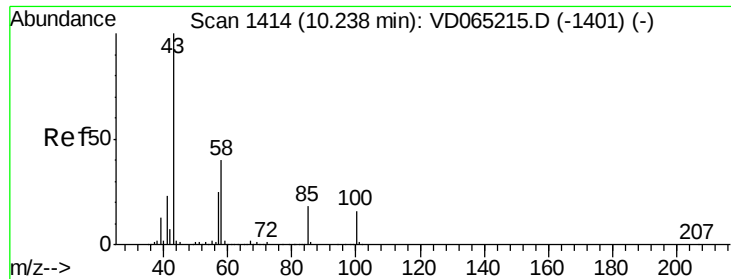
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#50  
Toluene-d8  
Concen: 53.093 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.3  | 52.0  | 78.0  |





#51

4-Methyl-2-Pentanone

Concen: 19.555 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA\_D

ClientSampled :

VD0305

Tot Ion: 43 Resp: 48139

Ion Ratio Lower Upper

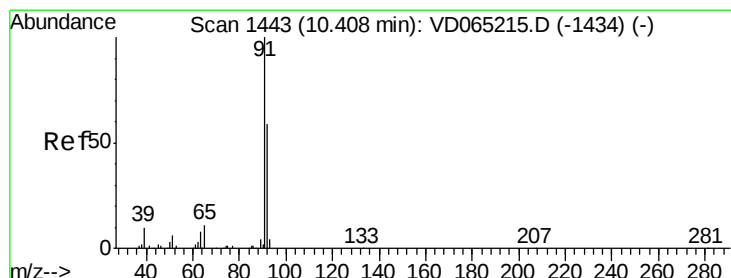
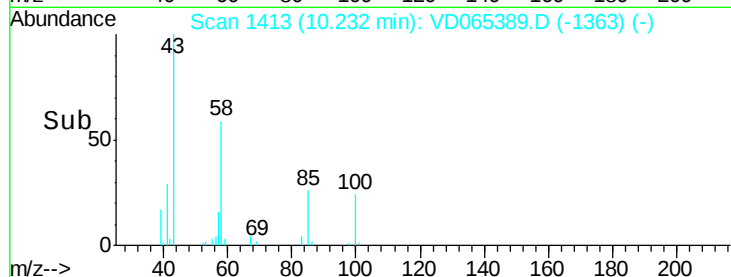
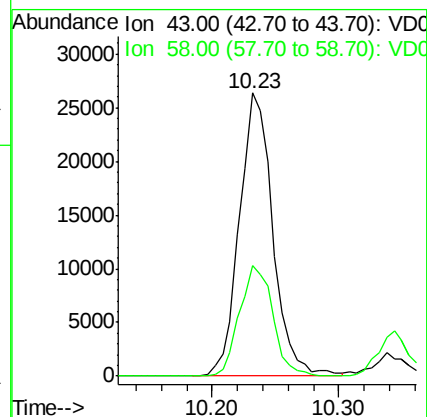
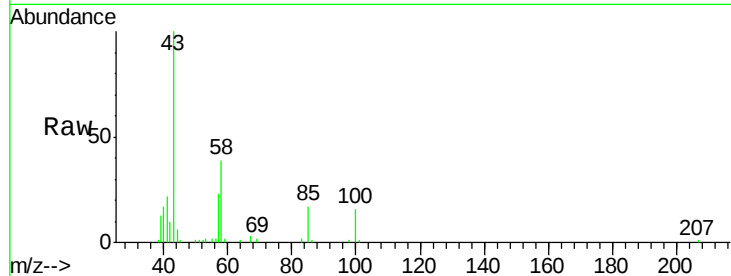
43 100

58 38.9 31.1 46.7

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#52

Toluene

Concen: 4.664 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065389.D

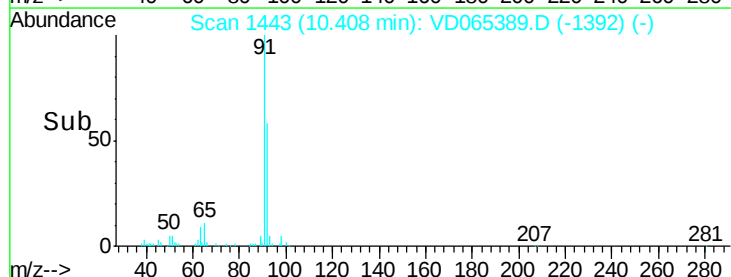
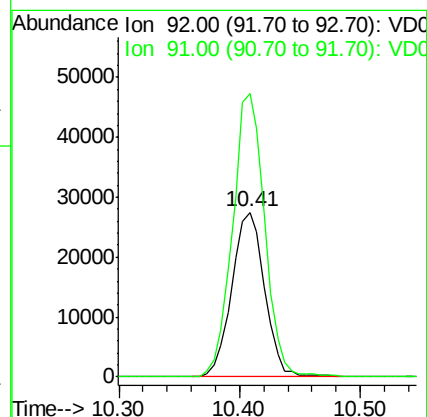
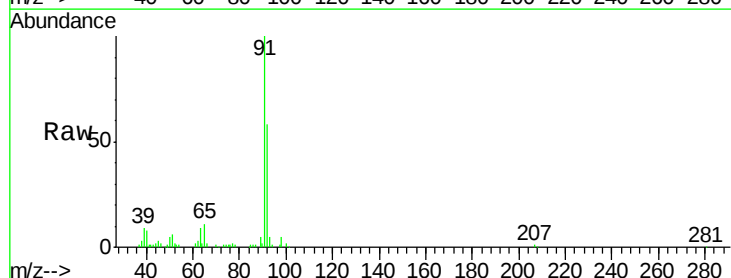
Acq: 03 Mar 2020 12:43

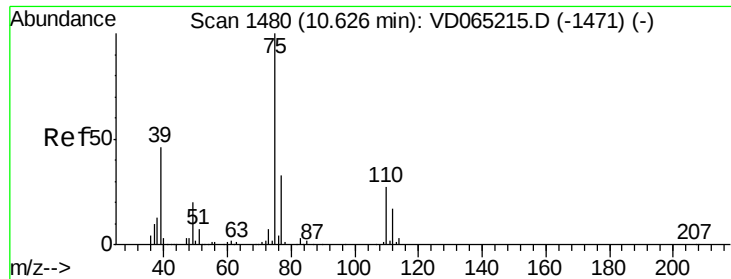
Tgt Ion: 92 Resp: 51947

Ion Ratio Lower Upper

92 100

91 168.7 136.3 204.5





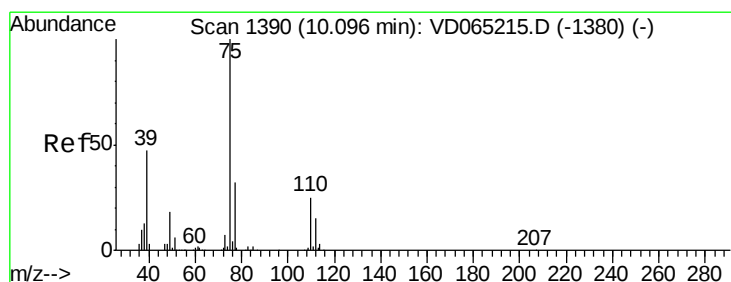
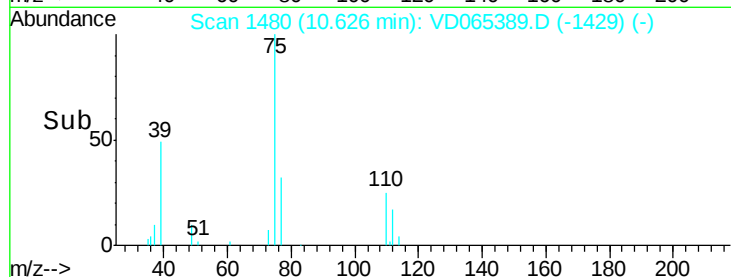
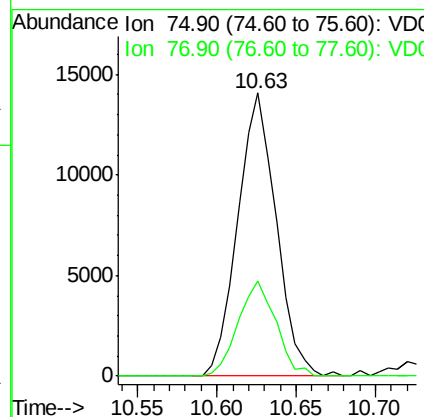
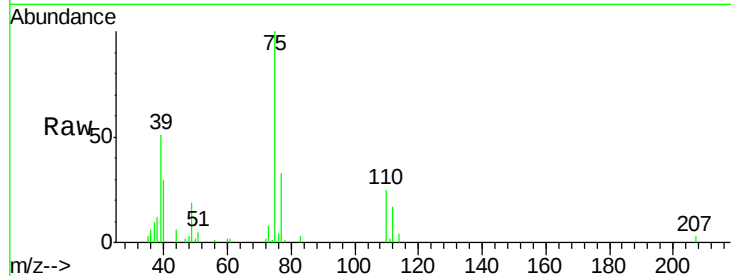
#53  
t-1,3-Dichloropropene  
Concen: 4.217 ug/l  
RT: 10.63 min Scan# 1480  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 33.4  | 26.6  | 40.0  |

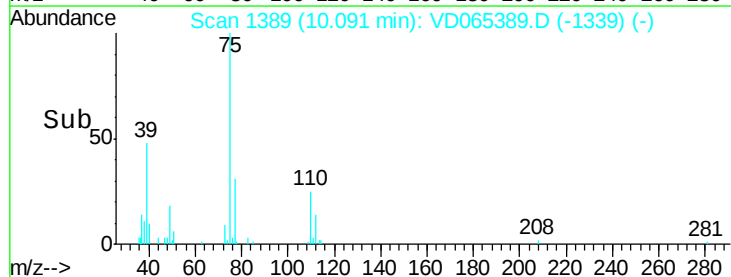
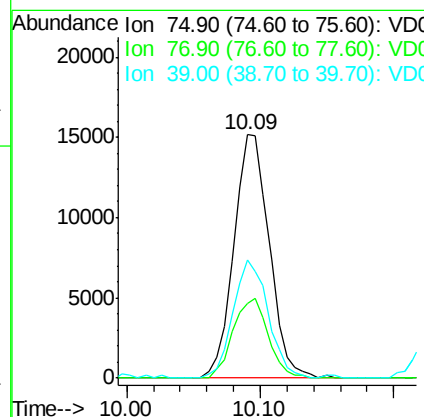
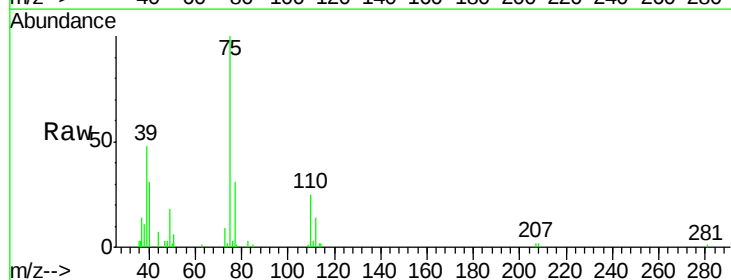
Manual Integrations  
APPROVED

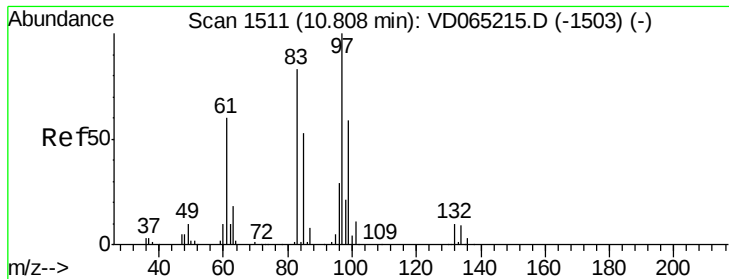
MMDadoda  
3/4/2020 2:01:29 PM



#54  
cis-1,3-Dichloropropene  
Concen: 4.115 ug/l  
RT: 10.09 min Scan# 1389  
Delta R.T. -0.01 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.7  | 25.8  | 38.8  |
| 39      | 48.3  | 37.3  | 55.9  |





#55

1,1,2-Trichloroethane

Concen: 4.475 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA\_D

ClientSampleId :

VD0305

Tot Ion: 97 Resp: 14500

Ion Ratio Lower Upper

97 100

83 80.7 66.7 100.1

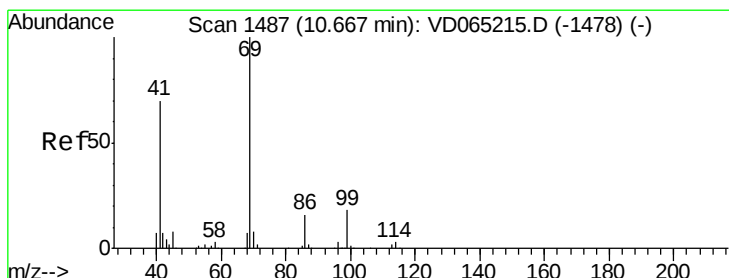
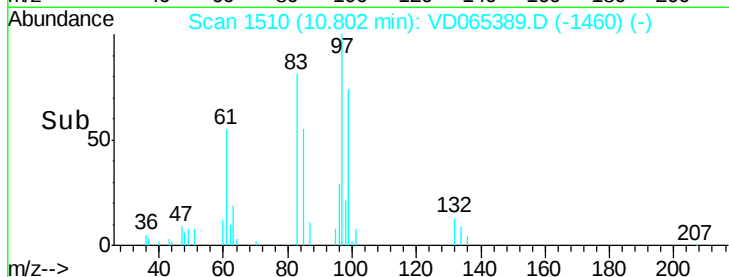
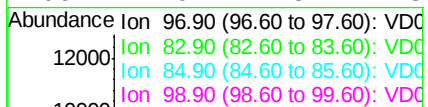
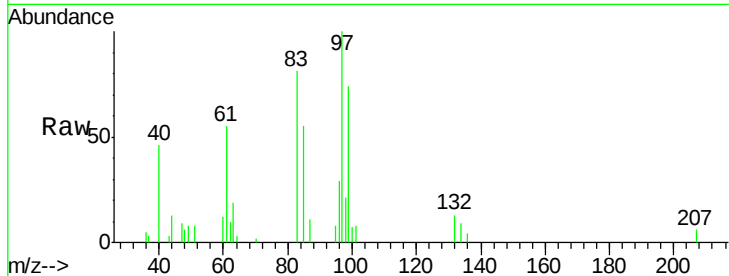
85 55.5 42.4 63.6

99 74.0 47.5 71.3#

Manual Integrations  
APPROVED

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3/4/2020 2:01:29 PM



#56

Ethyl methacrylate

Concen: 3.584 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

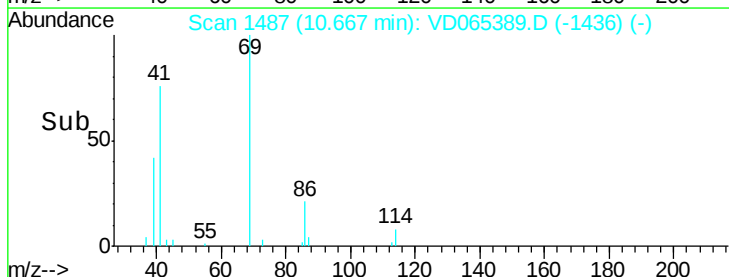
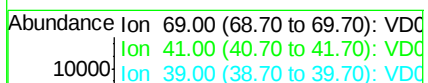
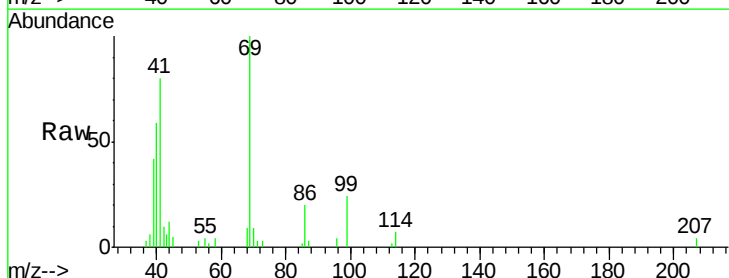
Tgt Ion: 69 Resp: 13405

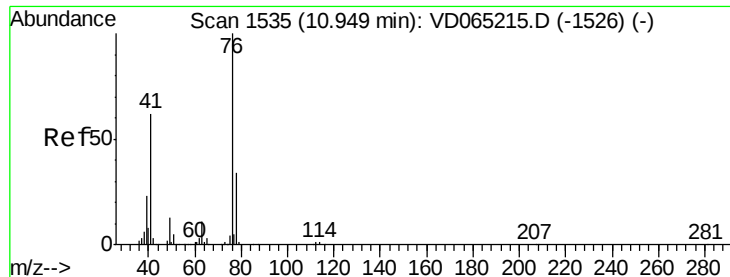
Ion Ratio Lower Upper

69 100

41 77.0 54.6 81.8

39 28.3 26.5 39.7





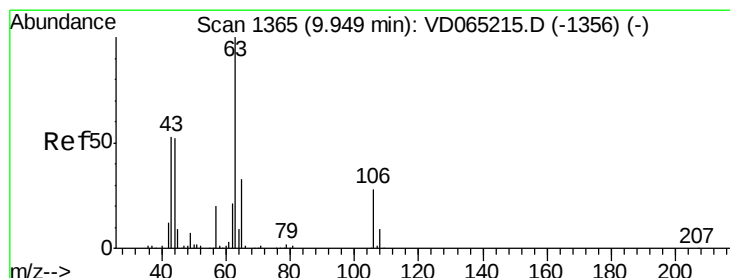
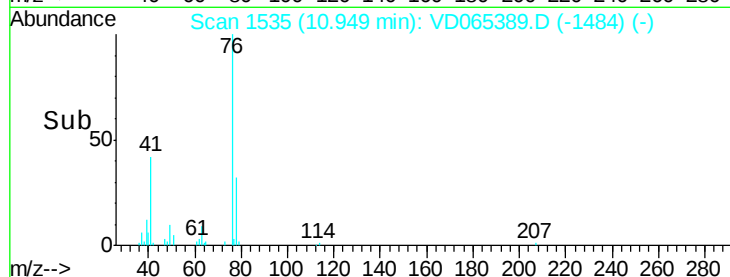
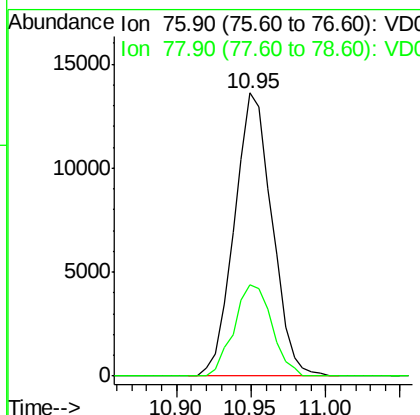
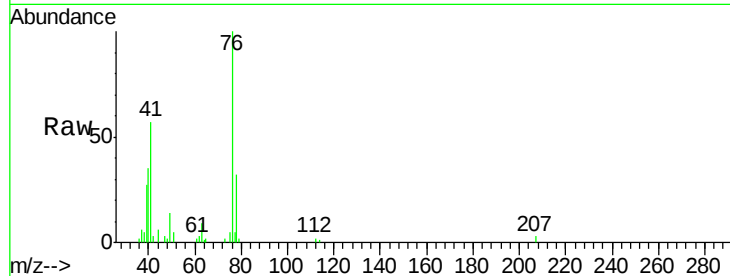
#57  
 1,3-Dichloropropane  
 Concen: 4.337 ug/l  
 RT: 10.95 min Scan# 1535  
 Delta R.T. 0.00 min  
 Lab File: VD065389.D  
 Acq: 03 Mar 2020 12:43

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.3  | 26.3  | 39.5  |

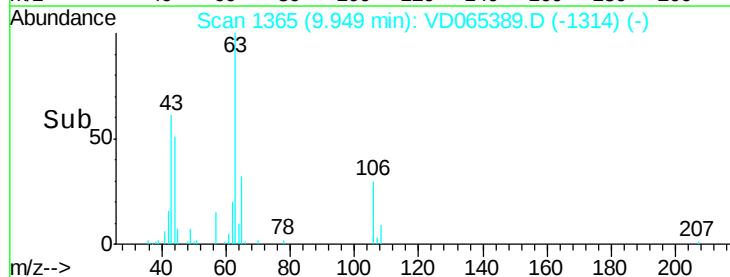
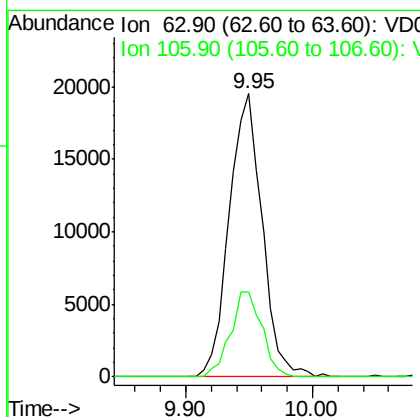
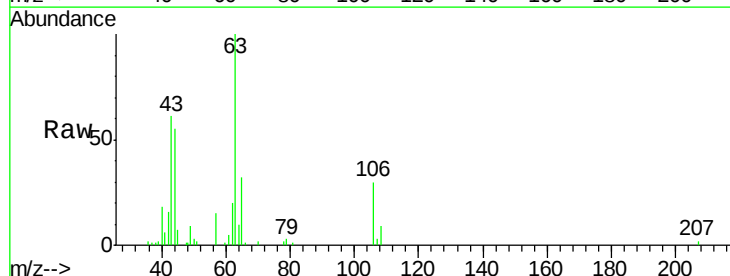
Manual Integrations  
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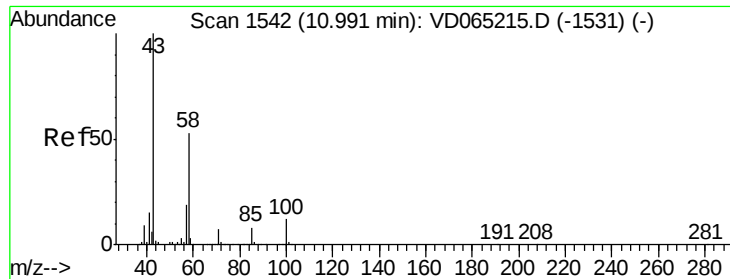
MMDadoda  
 3/4/2020 2:01:29 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 29.749 ug/l  
 RT: 9.95 min Scan# 1365  
 Delta R.T. 0.00 min  
 Lab File: VD065389.D  
 Acq: 03 Mar 2020 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 28.5  | 22.8  | 34.2  |





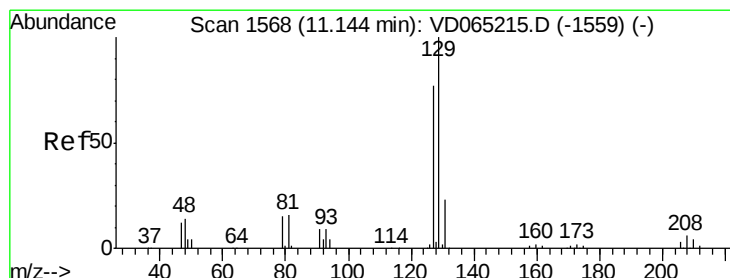
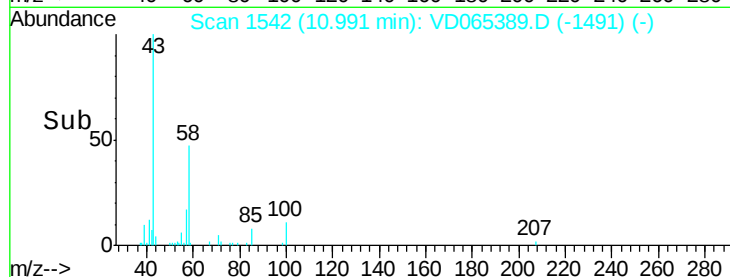
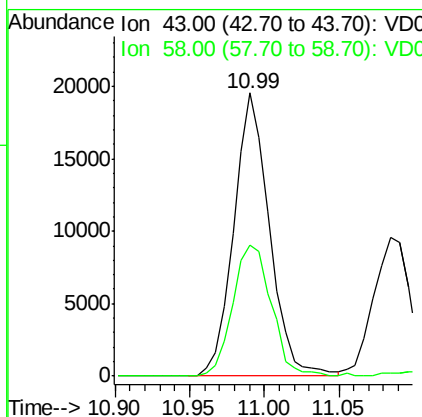
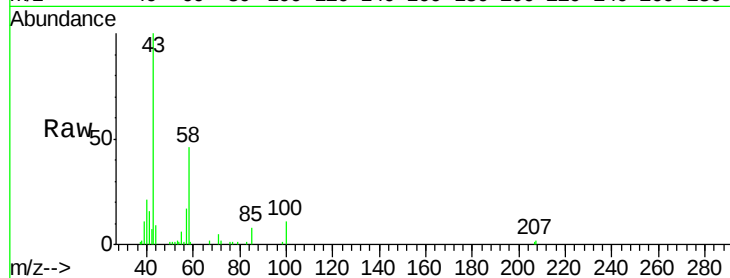
#59  
2-Hexanone  
Concen: 18.411 ug/l  
RT: 10.99 min Scan# 1542  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Instrument :  
MSVOA\_D  
ClientSampled :  
VD0305

Tot Ion: 43 Resp: 32444  
Ion Ratio Lower Upper  
43 100  
58 50.3 26.3 78.8

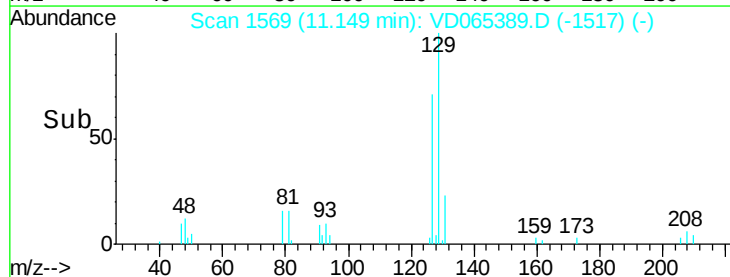
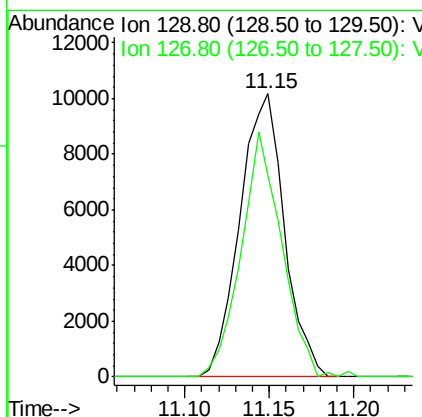
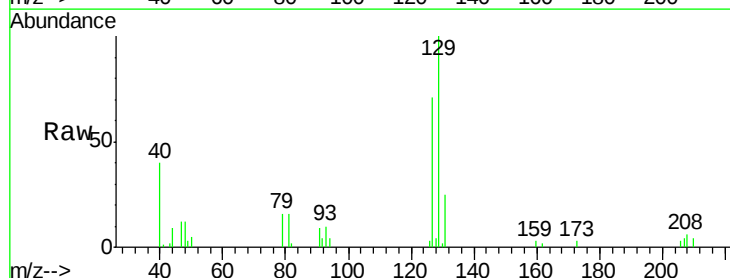
Manual Integrations  
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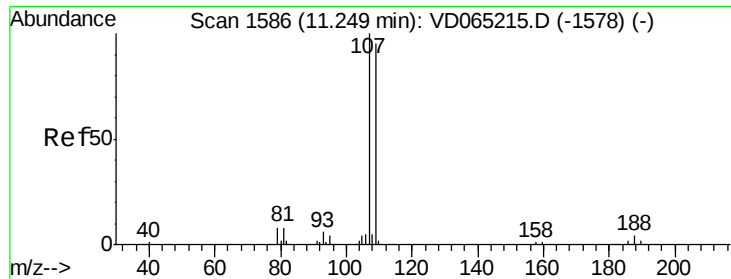
MMDadoda  
3/4/2020 2:01:29 PM



#60  
Dibromochloromethane  
Concen: 4.494 ug/l  
RT: 11.15 min Scan# 1569  
Delta R.T. 0.01 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Tgt Ion: 129 Resp: 18638  
Ion Ratio Lower Upper  
129 100  
127 78.7 38.7 116.1





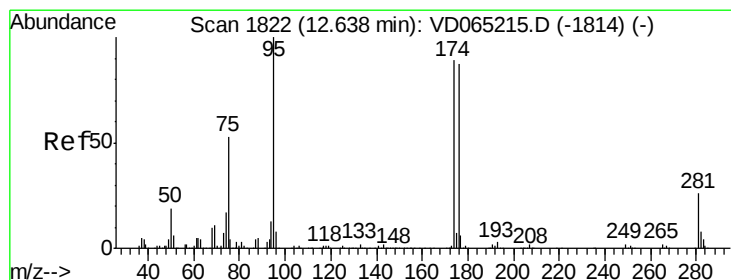
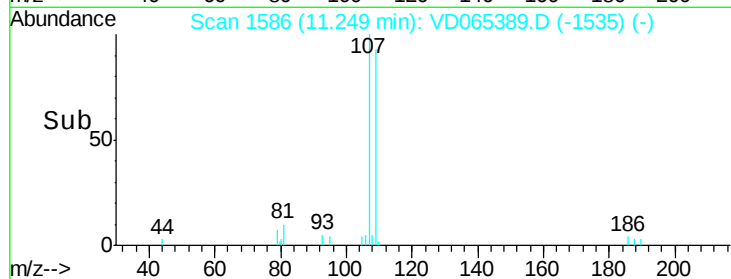
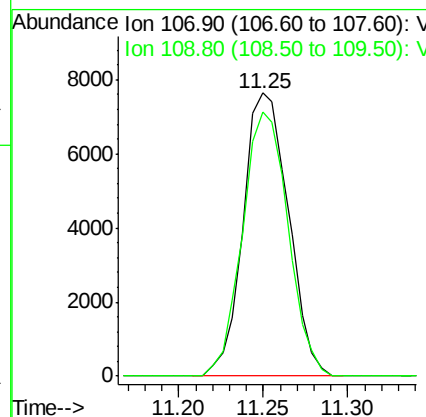
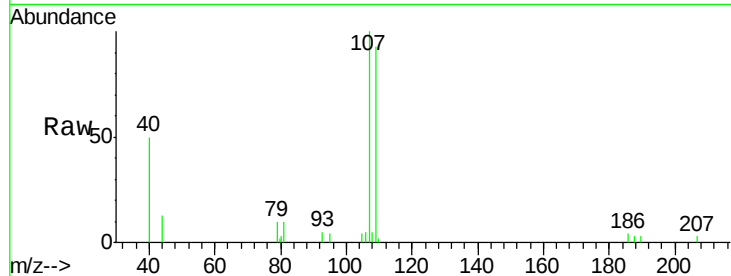
#61  
 1,2-Dibromoethane  
 Concen: 4.644 ug/l  
 RT: 11.25 min Scan# 1586  
 Delta R.T. 0.00 min  
 Lab File: VD065389.D  
 Acq: 03 Mar 2020 12:43

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0305

Tot Ion: 107 Resp: 14249  
 Ion Ratio Lower Upper  
 107 100  
 109 94.0 76.2 114.4

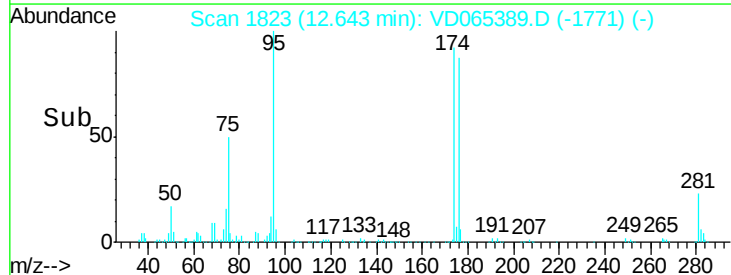
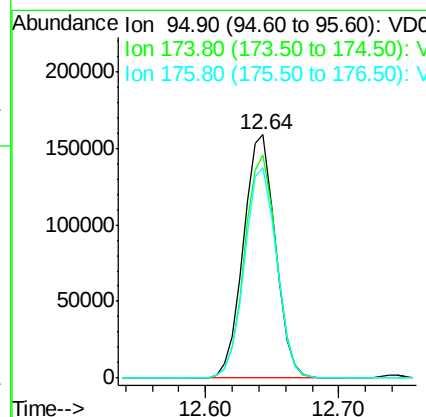
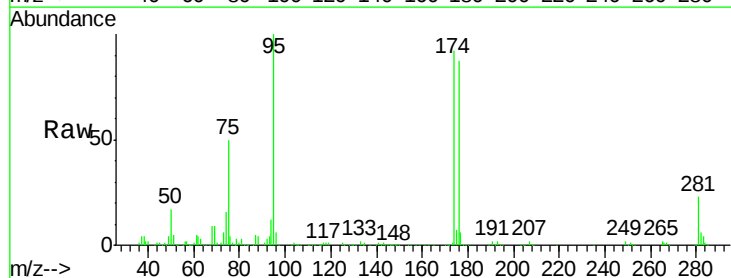
Manual Integrations  
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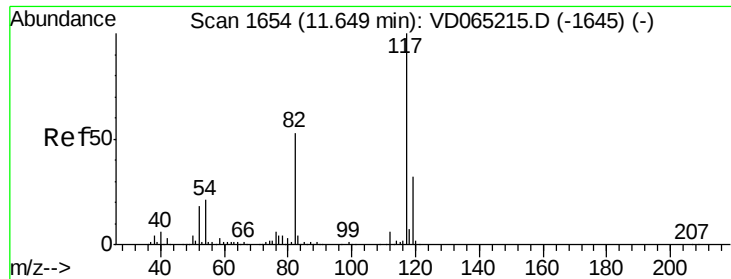
MMDadoda  
 3/4/2020 2:01:29 PM



#62  
 4-Bromofluorobenzene  
 Concen: 54.172 ug/l  
 RT: 12.64 min Scan# 1823  
 Delta R.T. 0.01 min  
 Lab File: VD065389.D  
 Acq: 03 Mar 2020 12:43

Tgt Ion: 95 Resp: 262115  
 Ion Ratio Lower Upper  
 95 100  
 174 91.0 0.0 178.0  
 176 86.6 0.0 174.4





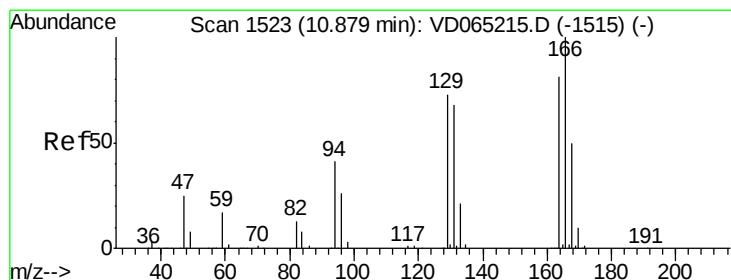
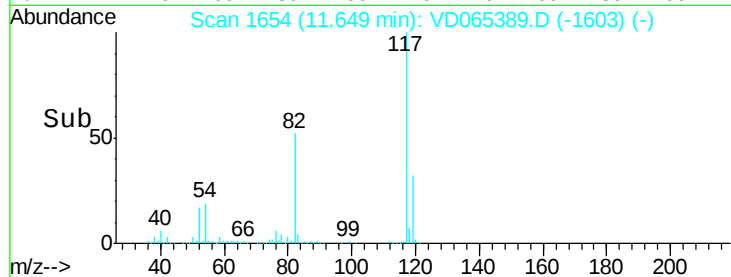
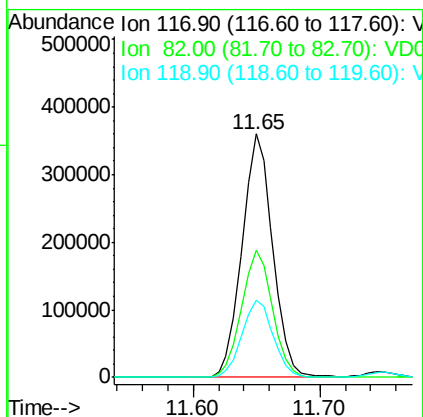
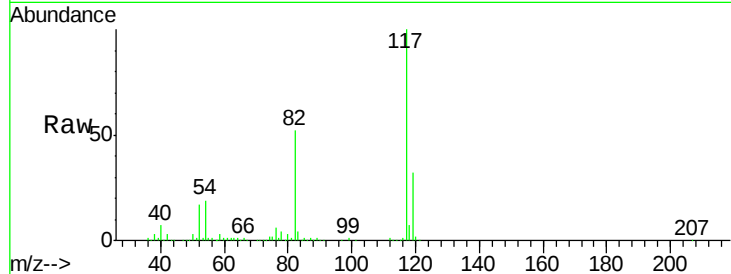
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Instrument :  
MSVOA\_D  
ClientSampled :  
VD0305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.0  | 42.7  | 64.1  |
| 119     | 31.7  | 25.5  | 38.3  |

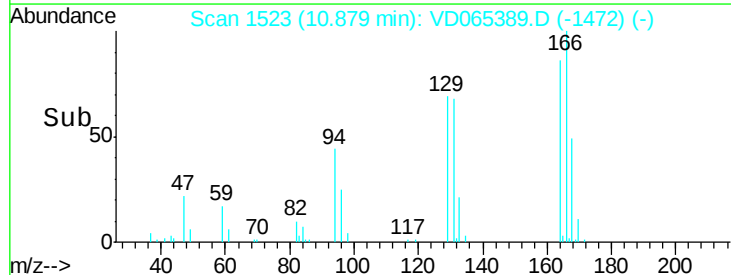
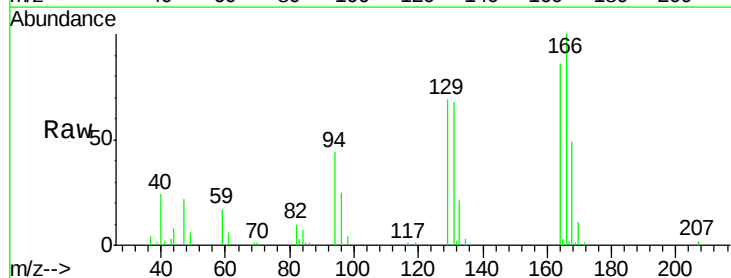
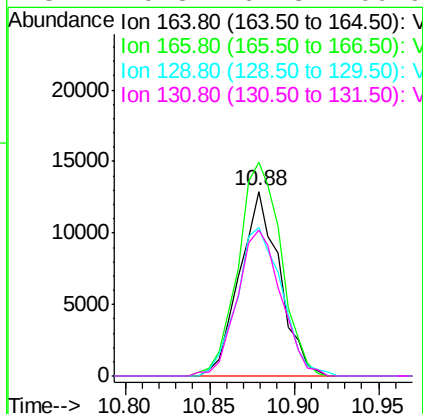
Manual Integrations  
APPROVED

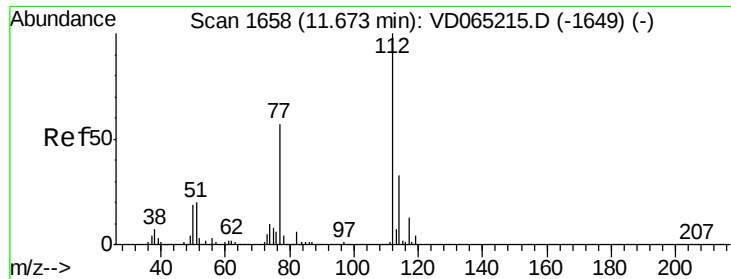
MMDadoda  
3/4/2020 2:01:29 PM



#64  
Tetrachloroethene  
Concen: 4.970 ug/l  
RT: 10.88 min Scan# 1523  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 115.9 | 98.4  | 147.6 |
| 129     | 80.4  | 71.6  | 107.4 |
| 131     | 79.3  | 67.3  | 100.9 |





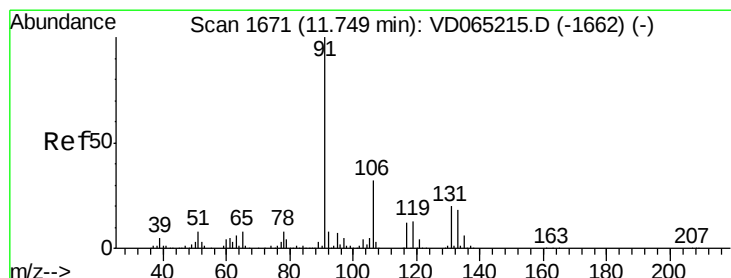
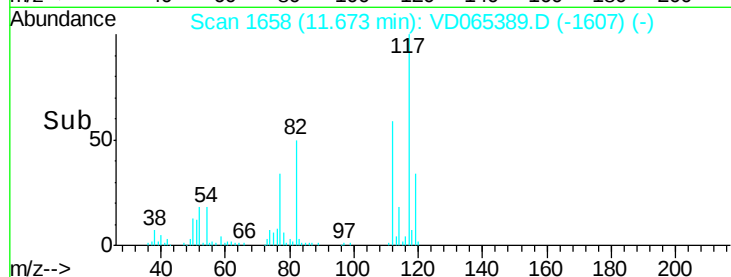
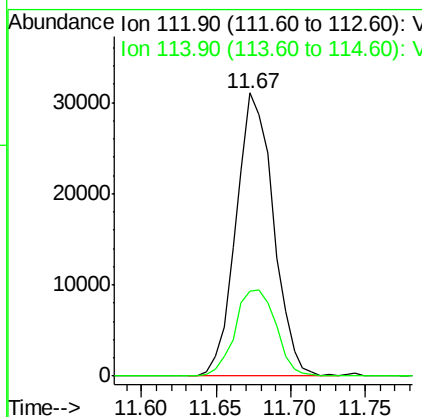
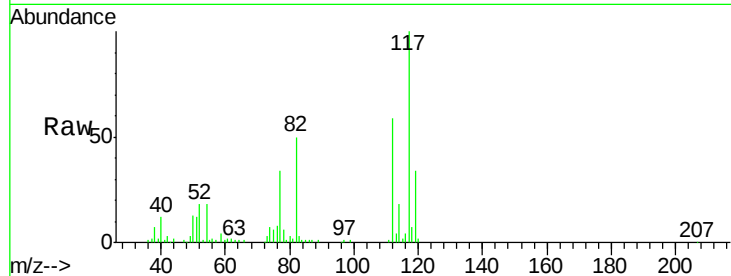
#65  
Chlorobenzene  
Concen: 4.464 ug/l  
RT: 11.67 min Scan# 1658  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 30.0  | 26.4  | 39.6  |

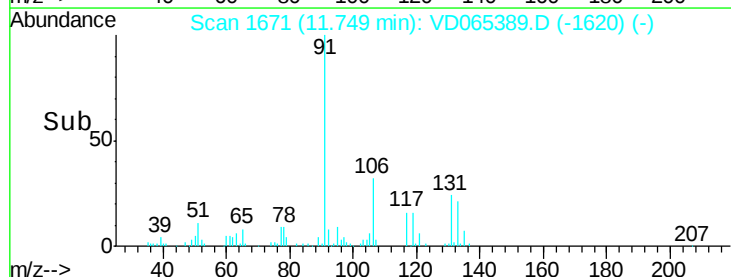
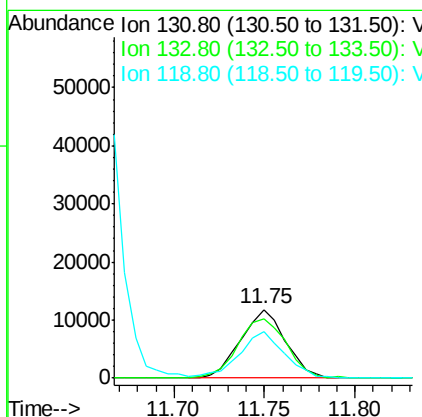
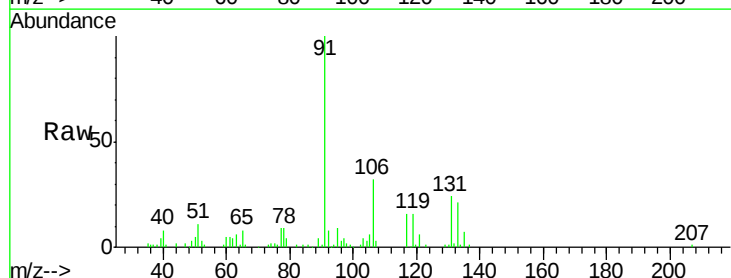
Manual Integrations  
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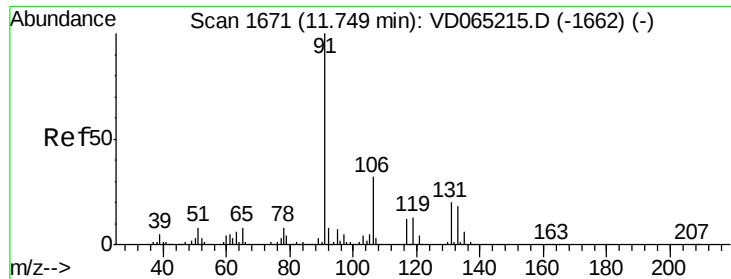
MMDadoda  
3/4/2020 2:01:29 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 4.468 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 94.5  | 47.7  | 143.1 |
| 119     | 68.7  | 32.7  | 98.1  |





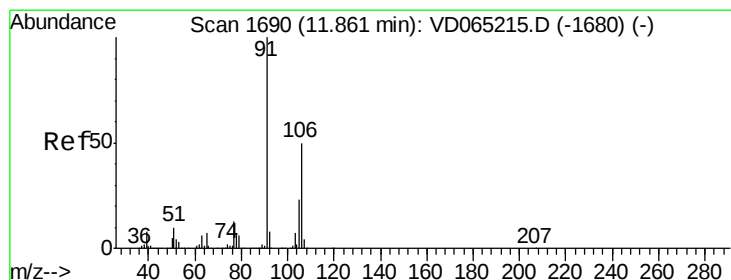
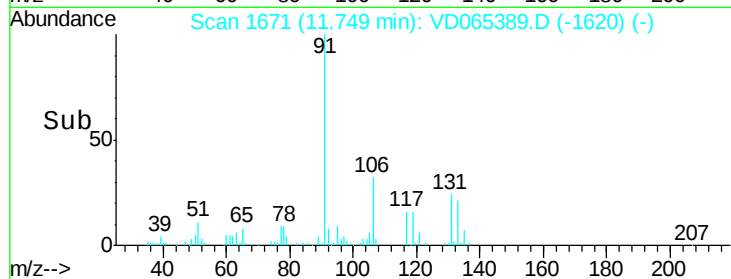
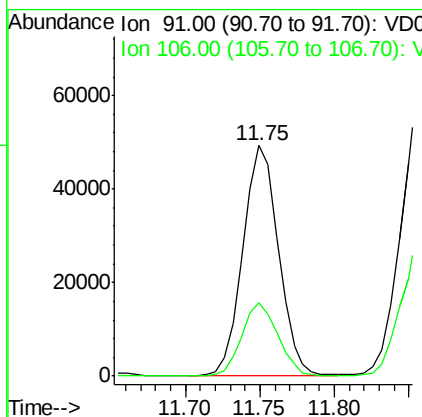
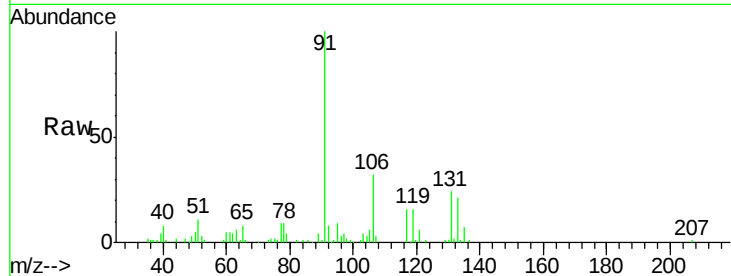
#67  
Ethyl Benzene  
Concen: 3.850 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0305

Tot Ion: 91 Resp: 81671  
Ion Ratio Lower Upper  
91 100  
106 31.9 25.2 37.8

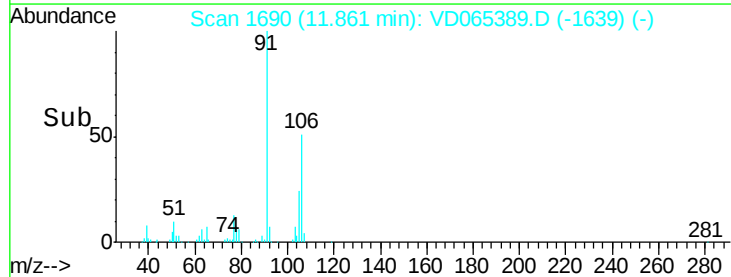
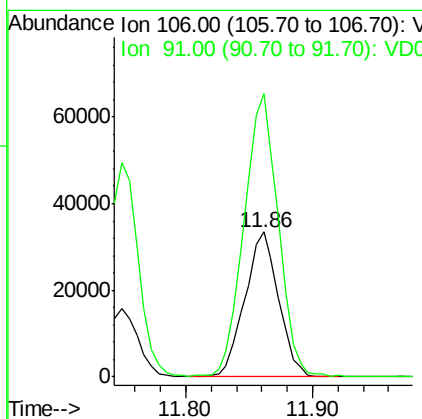
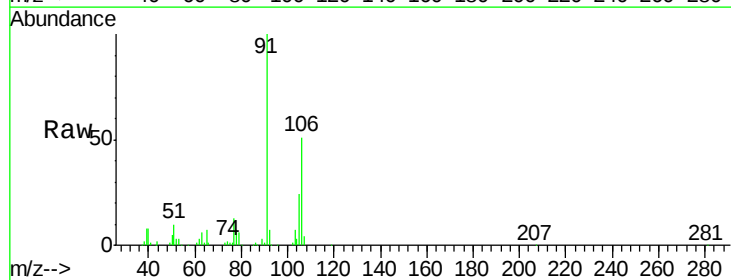
Manual Integrations  
APPROVED

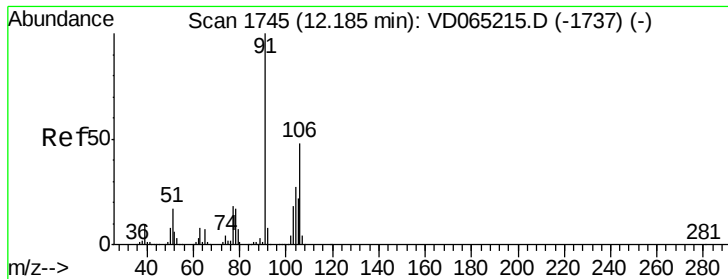
MMDadoda  
3/4/2020 2:01:29 PM



#68  
m/p-Xylenes  
Concen: 7.630 ug/l  
RT: 11.86 min Scan# 1690  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Tgt Ion: 106 Resp: 61919  
Ion Ratio Lower Upper  
106 100  
91 198.4 158.2 237.4





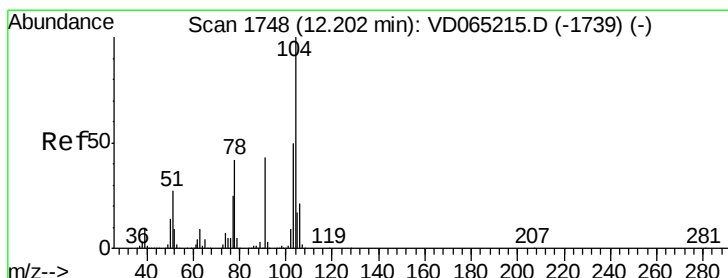
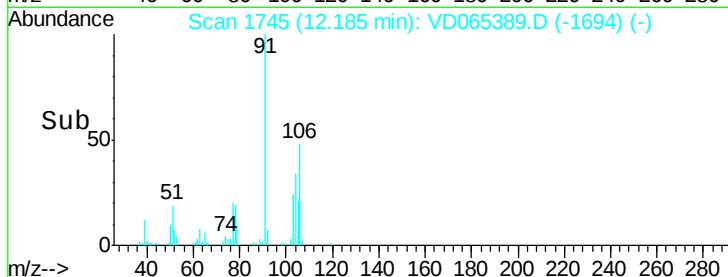
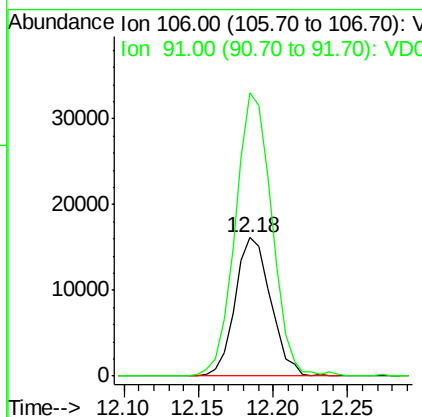
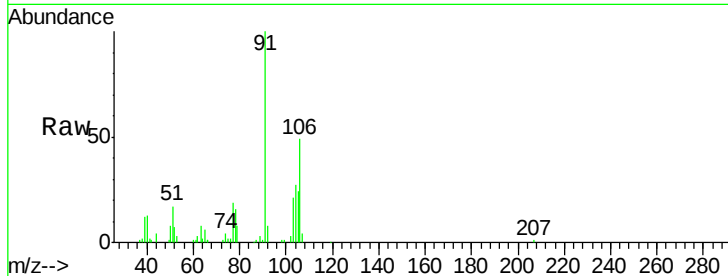
#69  
o-Xylene  
Concen: 3.729 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0305

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |
| 91      | 209.5 | 104.7 | 313.9 |       |

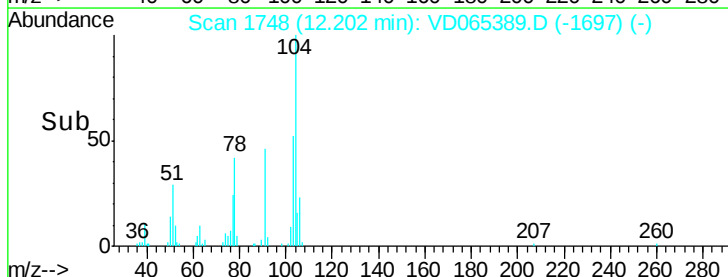
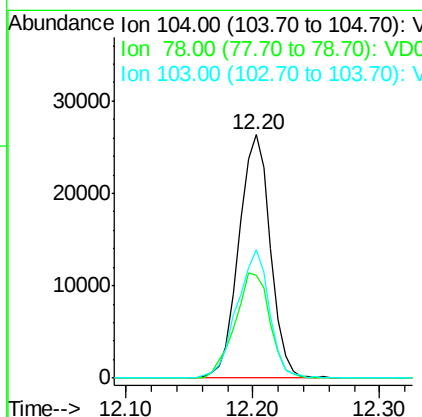
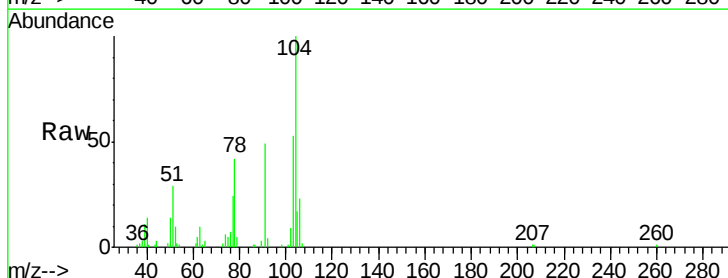
Manual Integrations  
APPROVED

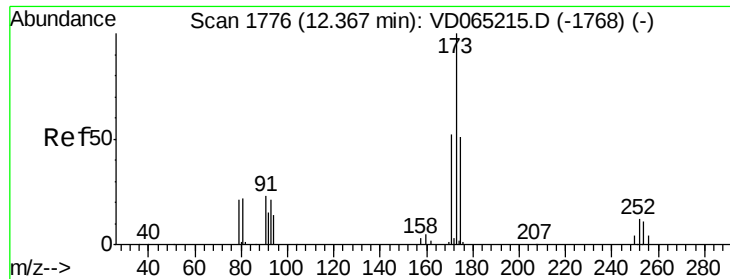
MMDadoda  
3/4/2020 2:01:29 PM



#70  
Styrene  
Concen: 3.561 ug/l  
RT: 12.20 min Scan# 1748  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 104     | 100  |       |       |       |
| 78      | 47.8 | 37.8  | 56.6  |       |
| 103     | 54.4 | 43.4  | 65.2  |       |





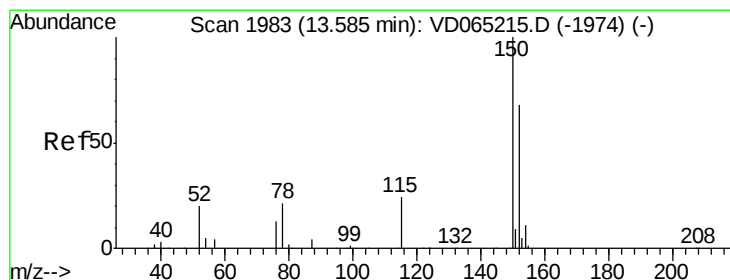
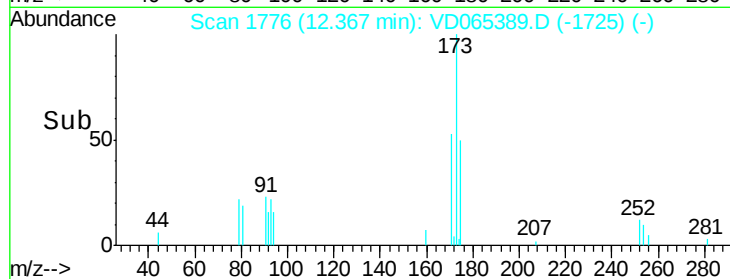
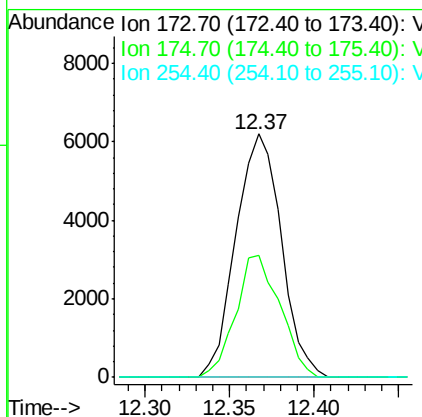
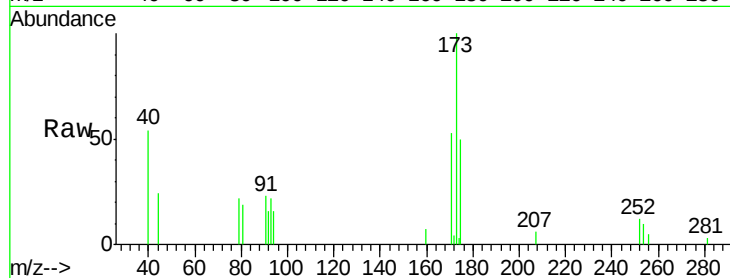
#71  
Bromoform  
Concen: 4.625 ug/l  
RT: 12.37 min Scan# 1776  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.7  | 24.4  | 73.4  |
| 254     | 0.0   | 0.0   | 0.0   |

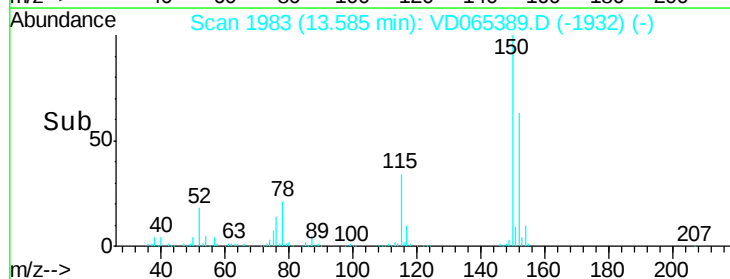
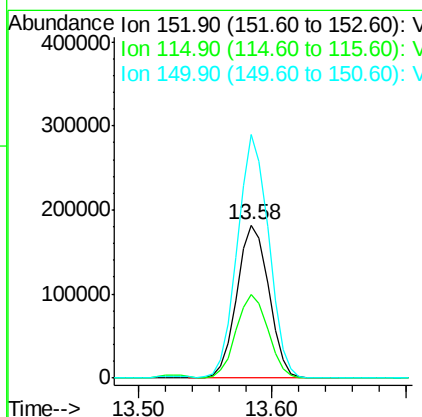
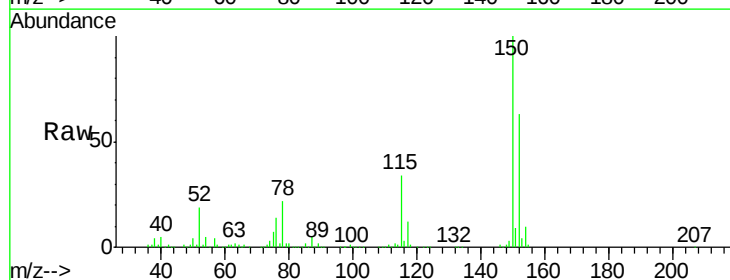
Manual Integrations  
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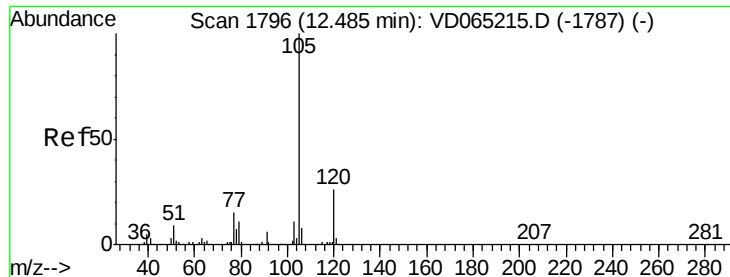
MMDadoda  
3/4/2020 2:01:29 PM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1983  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.8  | 27.6  | 82.8  |
| 150     | 156.6 | 0.0   | 347.4 |





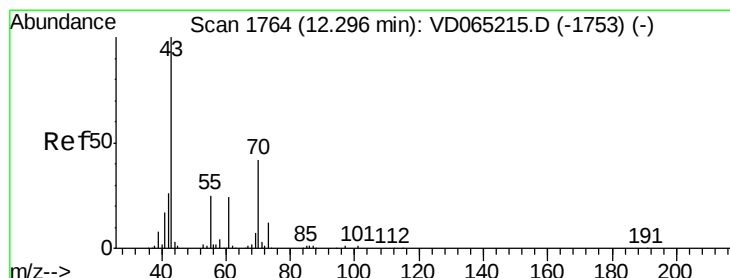
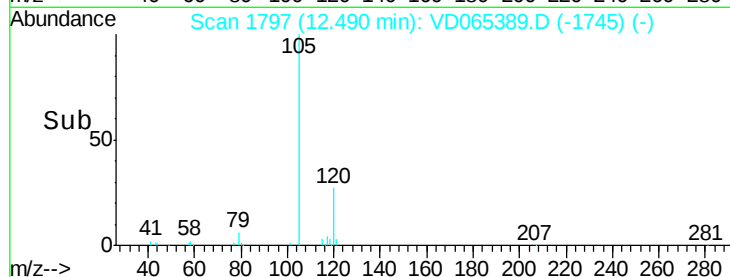
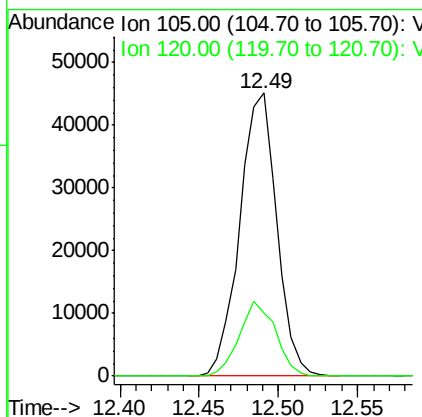
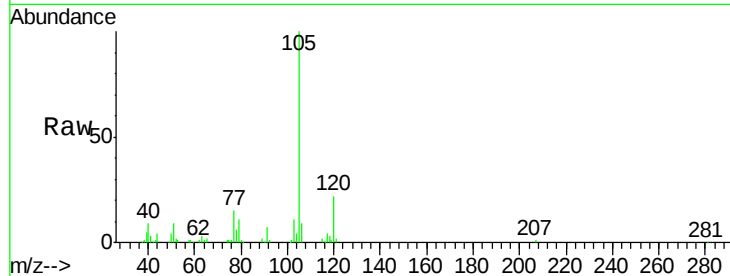
#73  
Isopropylbenzene  
Concen: 3.668 ug/l  
RT: 12.49 min Scan# 1797  
Delta R.T. 0.01 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Instrument :  
MSVOA\_D  
ClientSampled :  
VD0305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 25.7  | 13.3  | 39.9  |

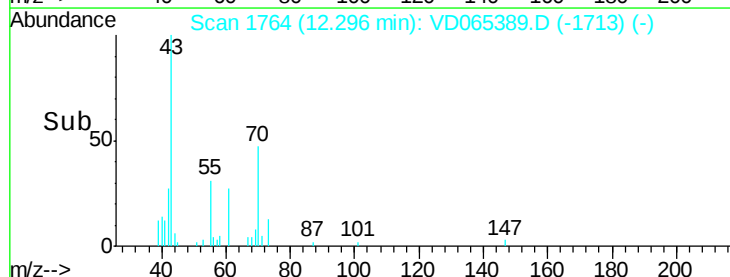
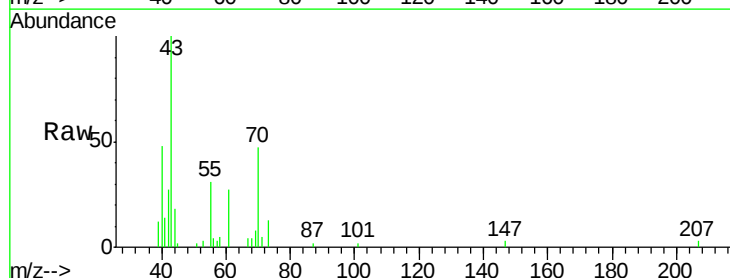
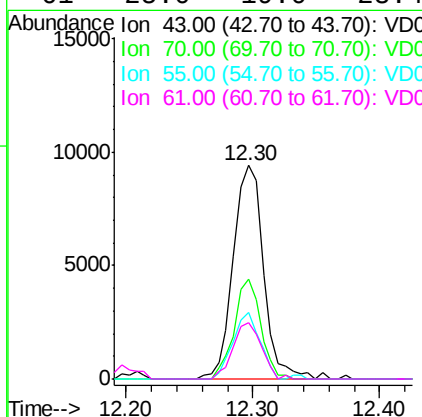
Manual Integrations  
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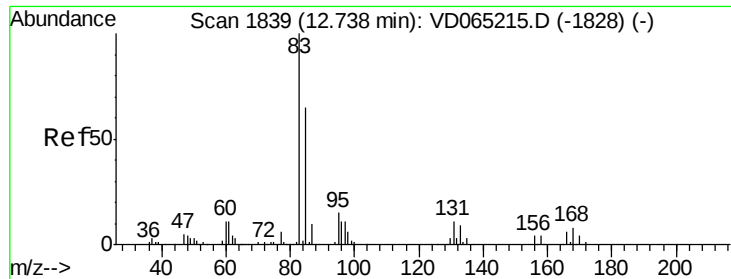
MMDadoda  
3/4/2020 2:01:29 PM



#74  
N-ethyl acetate  
Concen: 3.520 ug/l  
RT: 12.30 min Scan# 1764  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 41.0  | 33.7  | 50.5  |
| 55      | 27.5  | 20.7  | 31.1  |
| 61      | 25.0  | 19.0  | 28.4  |





#75

1,1,2,2-Tetrachloroethane

Concen: 4.541 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA\_D

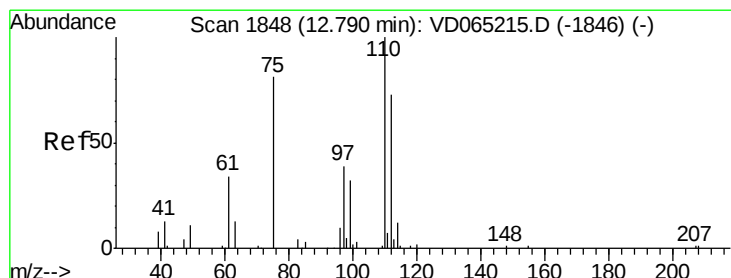
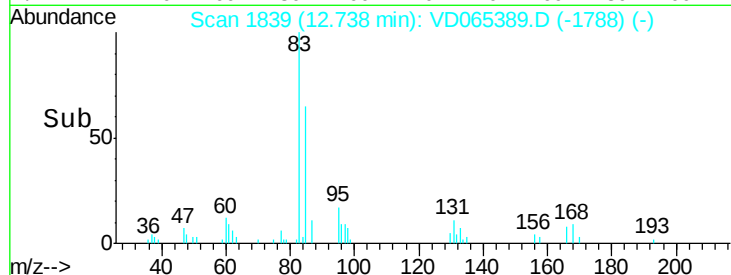
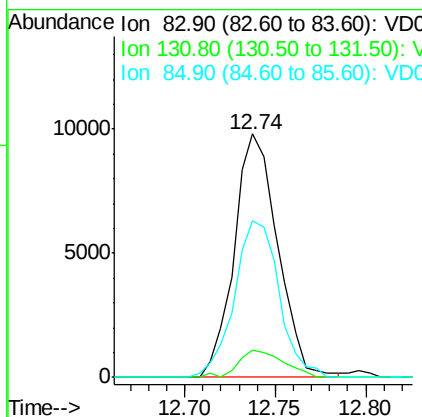
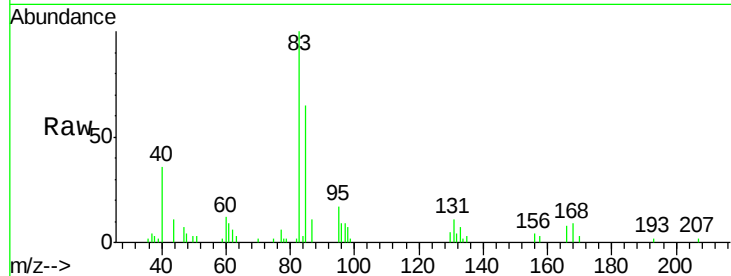
ClientSampled :

VD0305

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 16354 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 11.5  | 5.4   | 16.2  |
| 85        | 66.3  | 31.6  | 94.8  |

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#76

1,2,3-Trichloropropane

Concen: 4.307 ug/l m

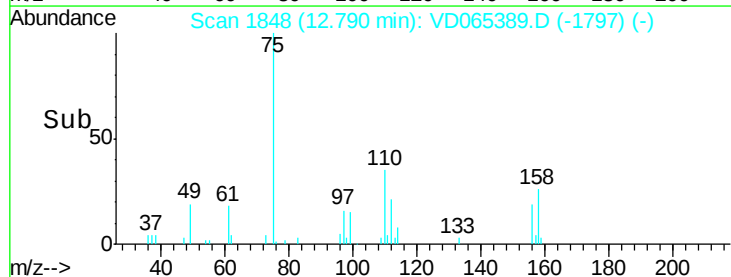
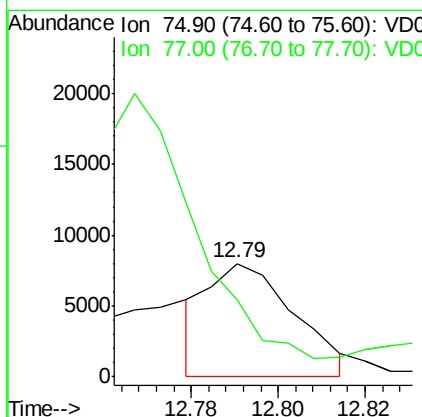
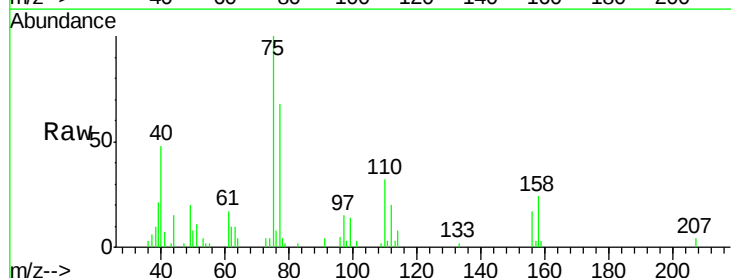
RT: 12.79 min Scan# 1848

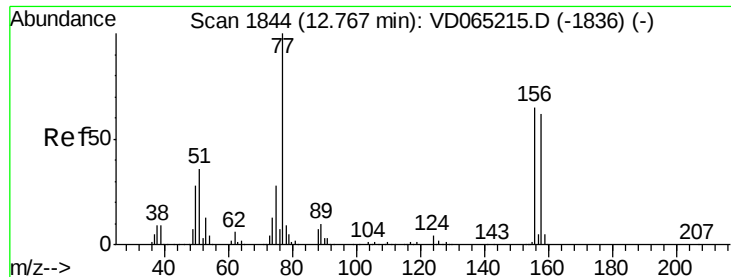
Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 11046 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 4.292 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA\_D

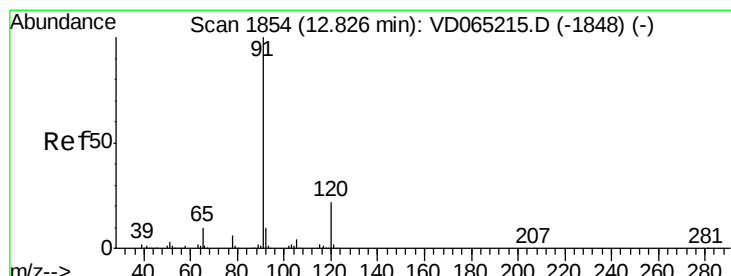
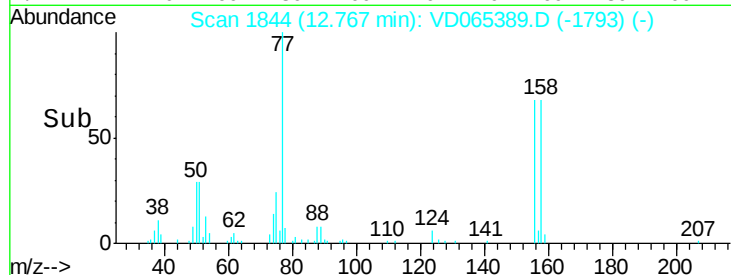
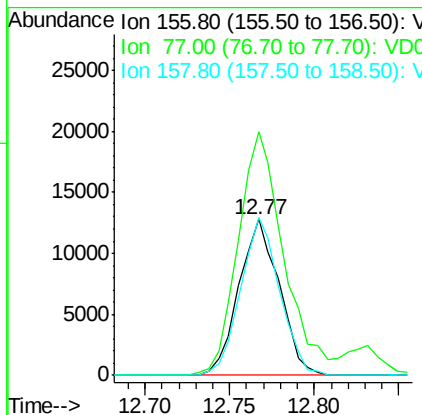
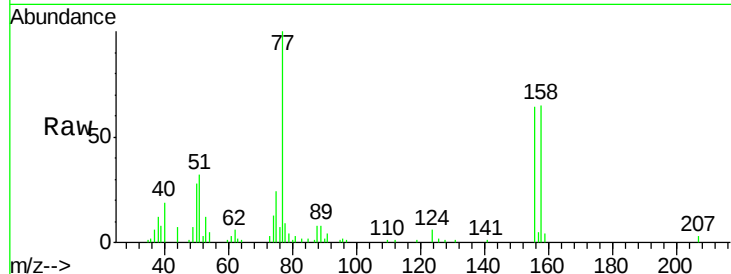
ClientSampleId :

VD0305

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 156     | 100   |       |       |       |
| 77      | 177.5 | 86.6  | 259.7 |       |
| 158     | 97.6  | 48.1  | 144.3 |       |

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#78

n-propylbenzene

Concen: 3.958 ug/l

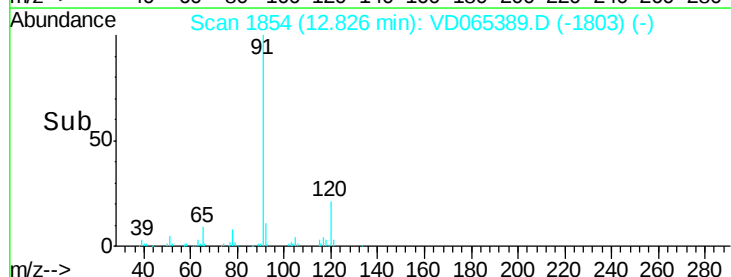
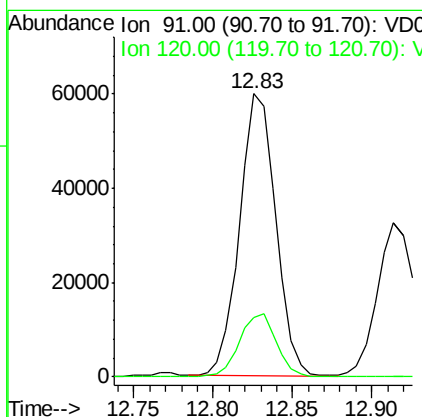
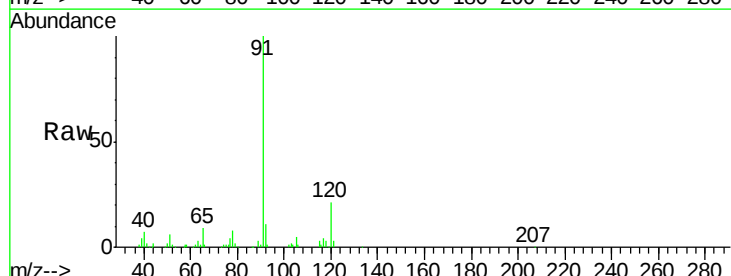
RT: 12.83 min Scan# 1854

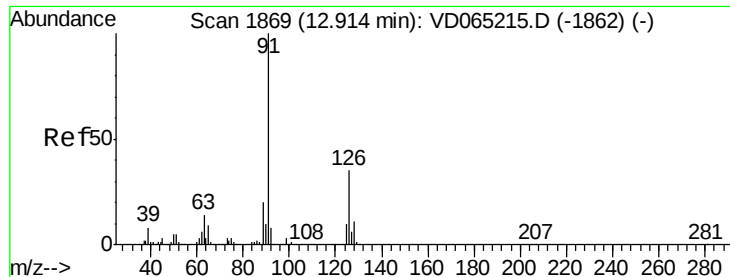
Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 91      | 100  |       |       |       |
| 120     | 22.5 | 11.5  | 34.5  |       |





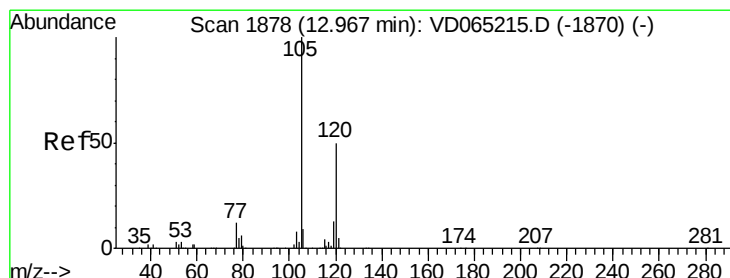
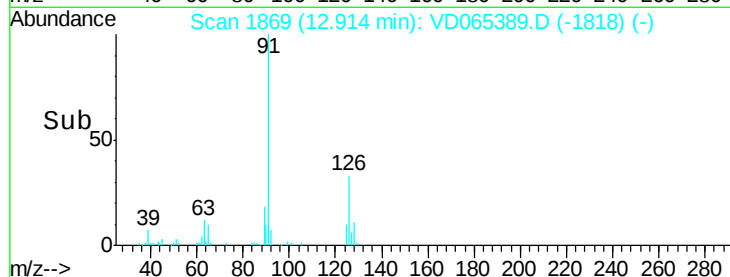
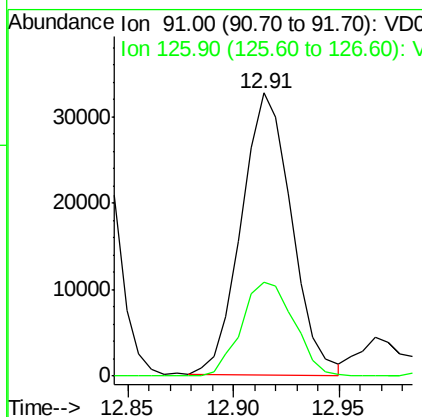
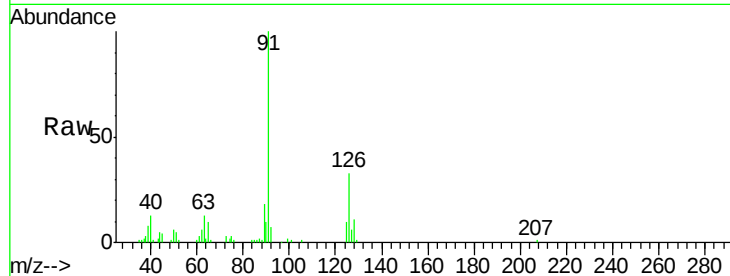
#79  
2-Chlorotoluene  
Concen: 4.016 ug/l  
RT: 12.91 min Scan# 1869  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 34.9  | 17.5  | 52.6  |

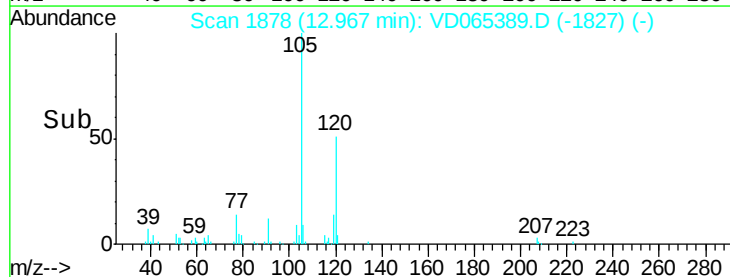
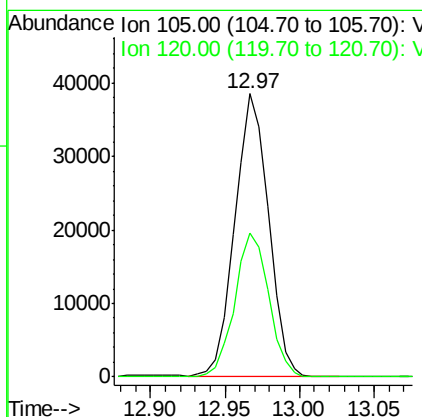
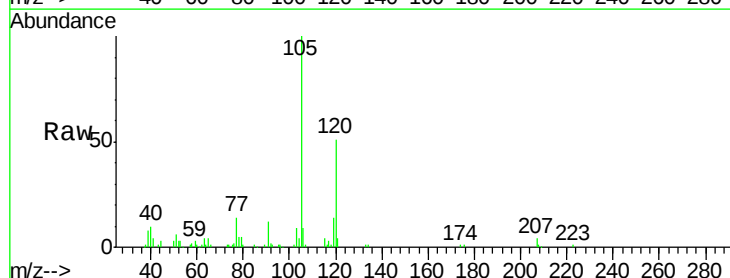
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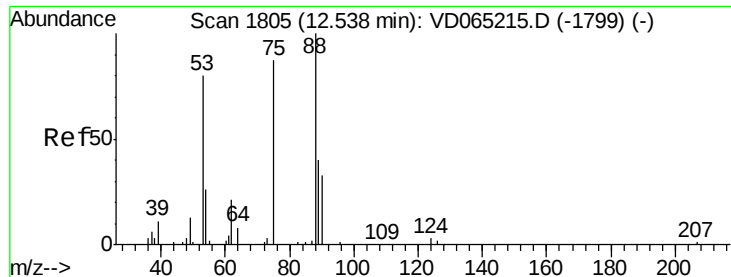
MMDadoda  
3/4/2020 2:01:29 PM



#80  
1,3,5-Trimethylbenzene  
Concen: 3.695 ug/l  
RT: 12.97 min Scan# 1878  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 51.1  | 25.4  | 76.4  |





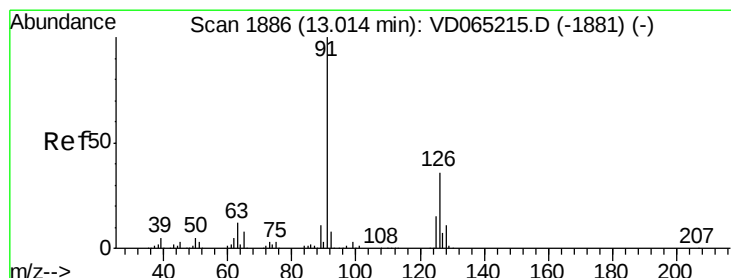
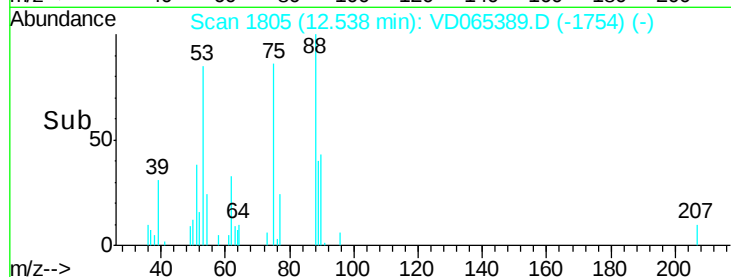
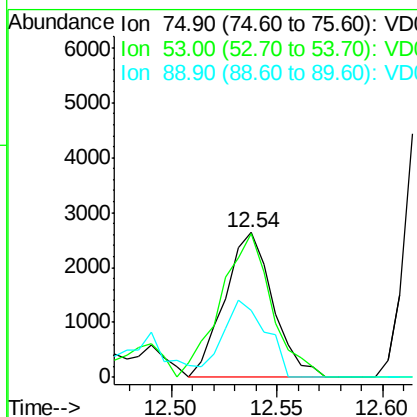
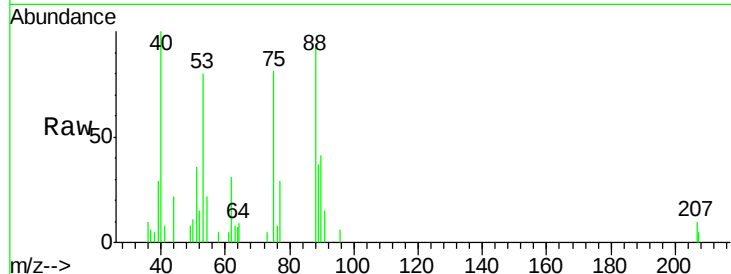
#81  
trans-1,4-Dichloro-2-butene  
Concen: 3.530 ug/l  
RT: 12.54 min Scan# 1805  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Instrument :  
MSVOA\_D  
ClientSampled :  
VD0305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 104.6 | 77.6  | 116.4 |
| 89      | 46.7  | 37.2  | 55.8  |

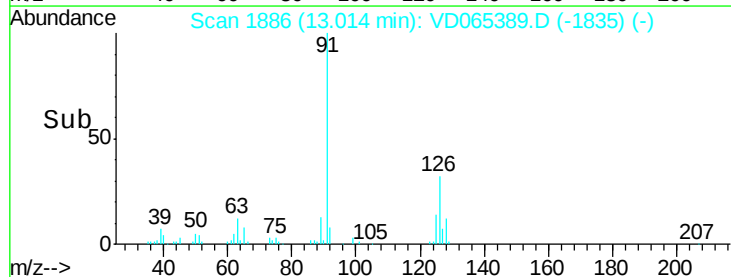
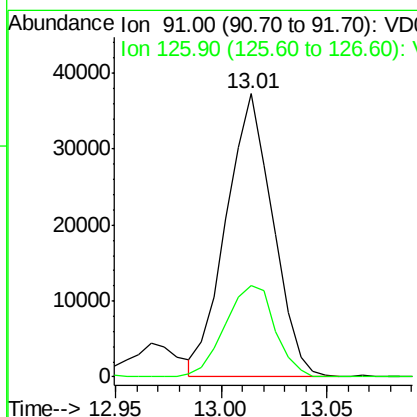
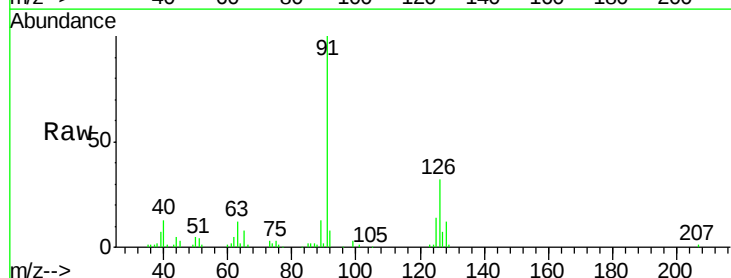
Manual Integrations  
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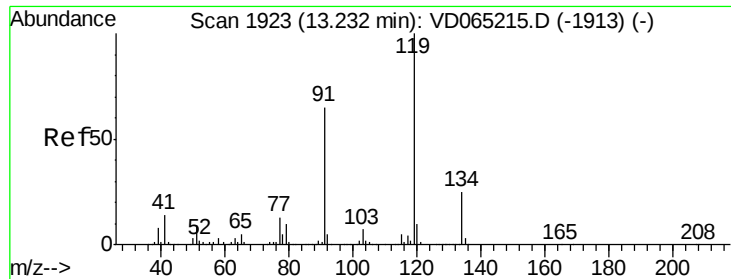
MMDadoda  
3/4/2020 2:01:29 PM



#82  
4-Chlorotoluene  
Concen: 4.015 ug/l  
RT: 13.01 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 34.5  | 17.4  | 52.3  |





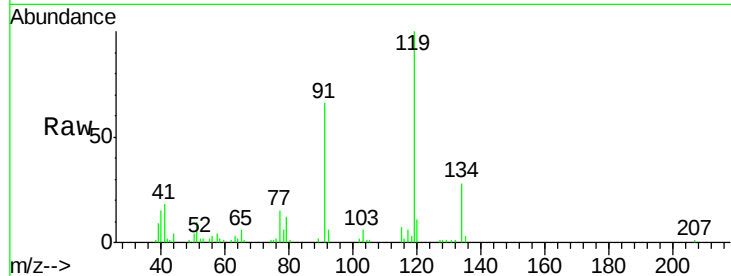
#83  
tert-Butylbenzene  
Concen: 3.565 ug/l  
RT: 13.23 min Scan# 1923  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0305

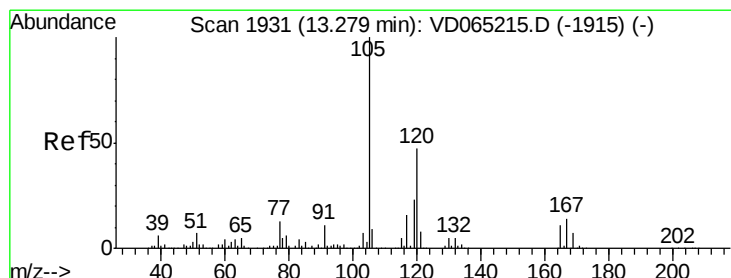
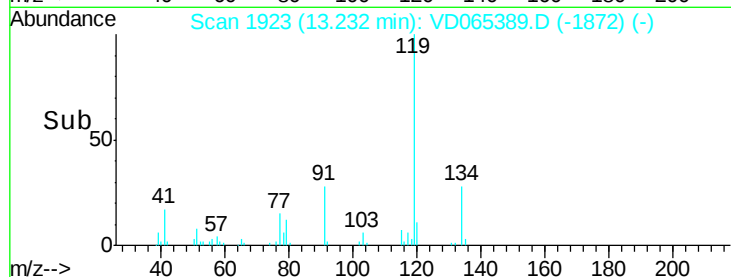
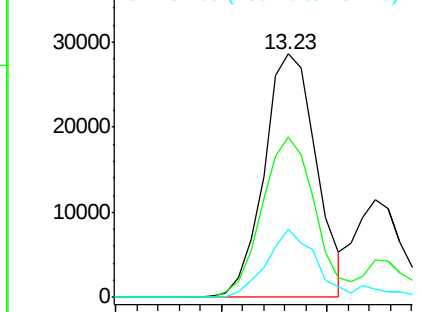
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 67.0  | 31.9  | 95.5  |
| 134     | 25.6  | 13.8  | 41.3  |

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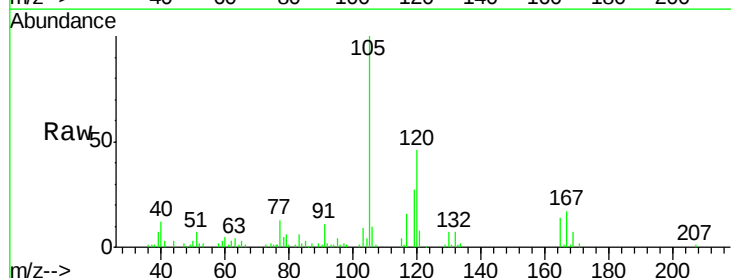


Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 91.00 (90.70 to 91.70): V  
Ion 134.00 (133.70 to 134.70): V

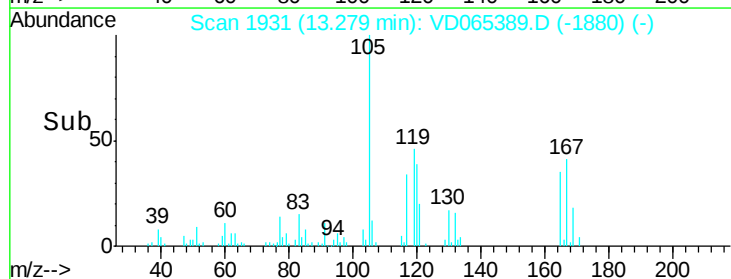
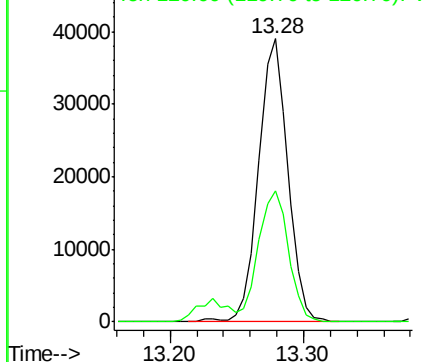


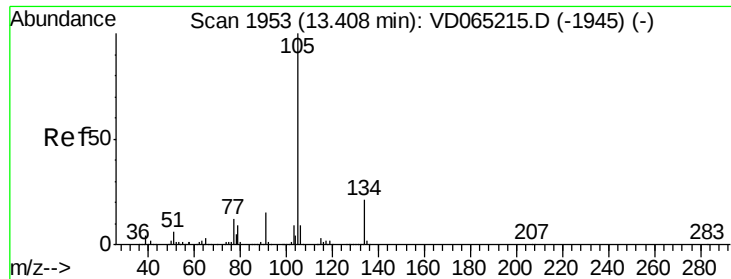
#84  
1,2,4-Trimethylbenzene  
Concen: 3.578 ug/l  
RT: 13.28 min Scan# 1931  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 48.0  | 23.3  | 69.9  |



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 3.623 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA\_D

ClientSampled :

VD0305

Tot Ion:105 Resp: 71903

Ion Ratio Lower Upper

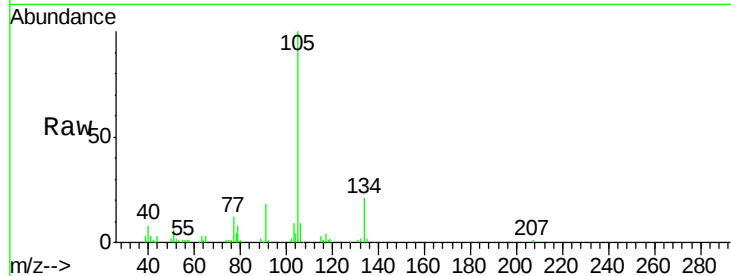
105 100

134 20.4 10.3 30.9

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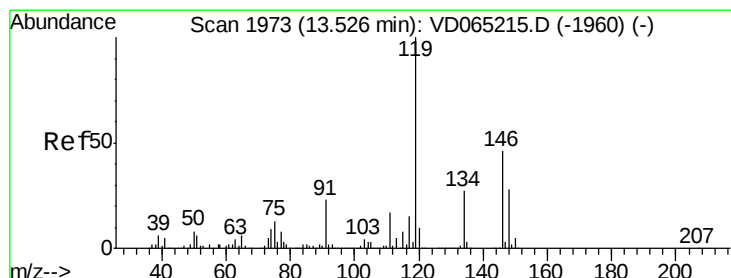
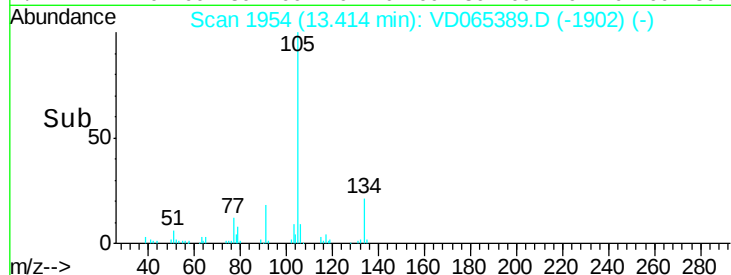
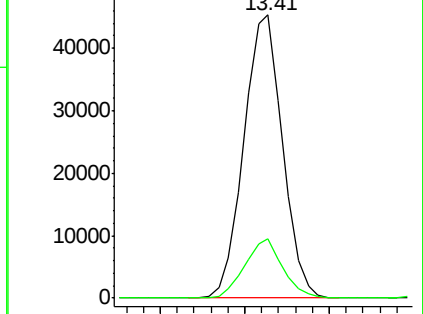
MMDadoda

3/4/2020 2:01:29 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.558 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

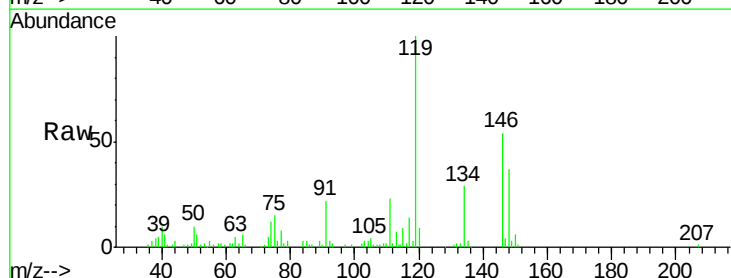
Tgt Ion:119 Resp: 64584

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

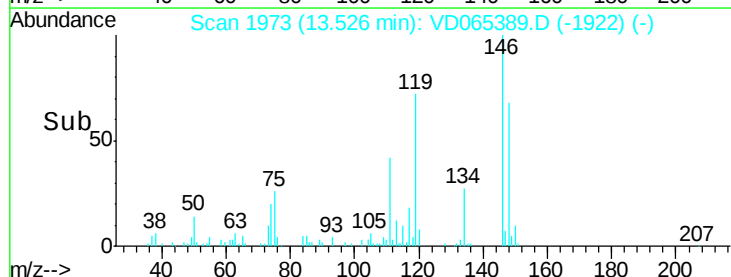
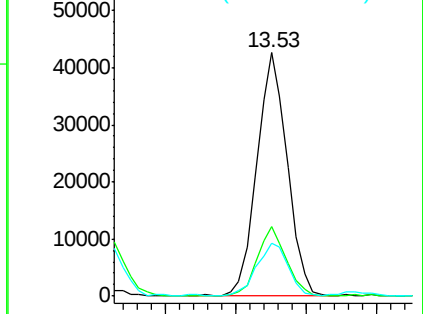
91 22.5 11.1 33.1

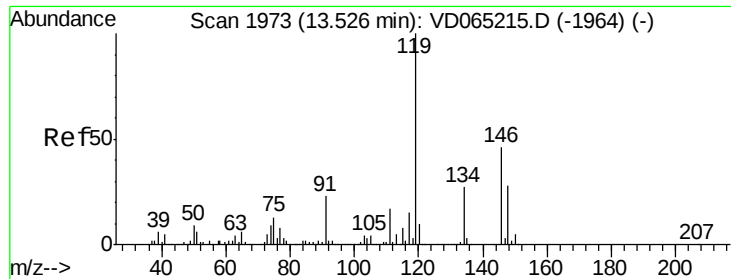


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





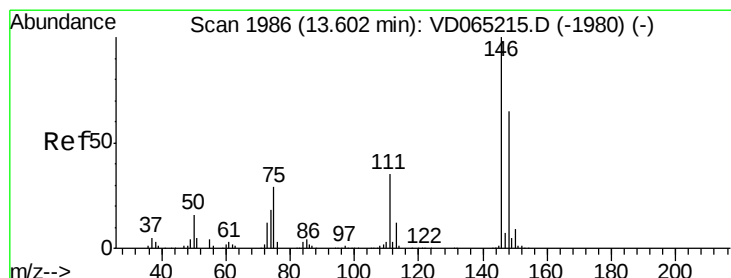
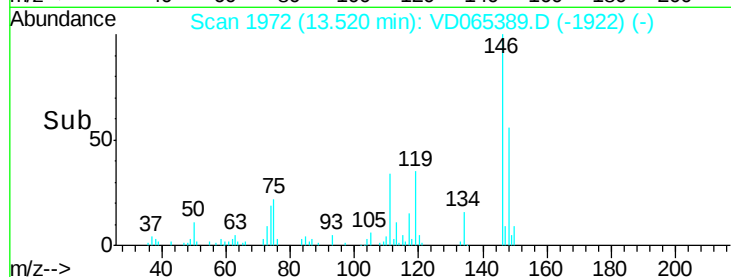
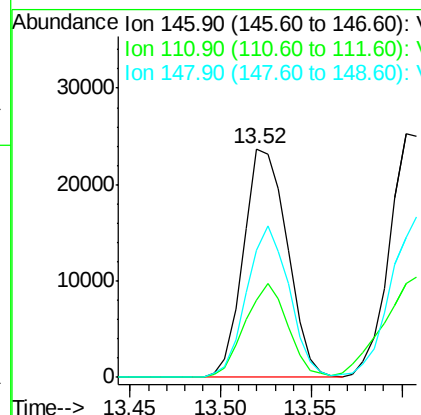
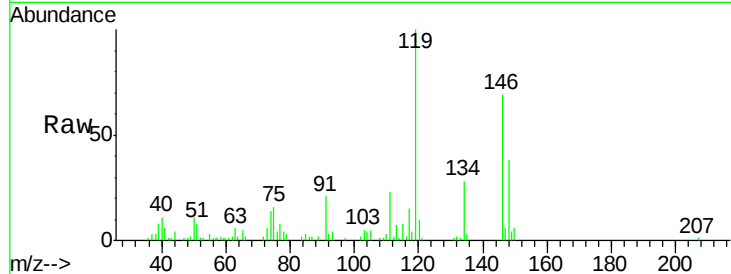
#87  
 1,3-Dichlorobenzene  
 Concen: 4.159 ug/l  
 RT: 13.52 min Scan# 1972  
 Delta R.T. -0.01 min  
 Lab File: VD065389.D  
 Acq: 03 Mar 2020 12:43

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.4  | 18.6  | 55.8  |
| 148     | 64.5  | 31.4  | 94.3  |

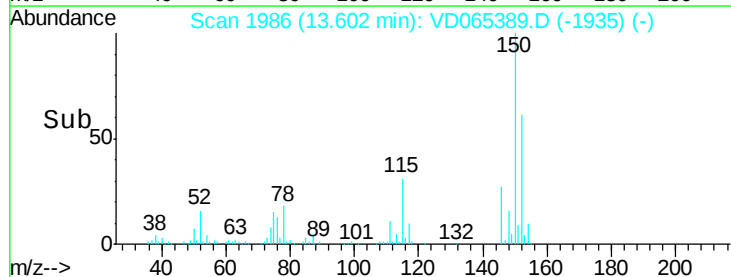
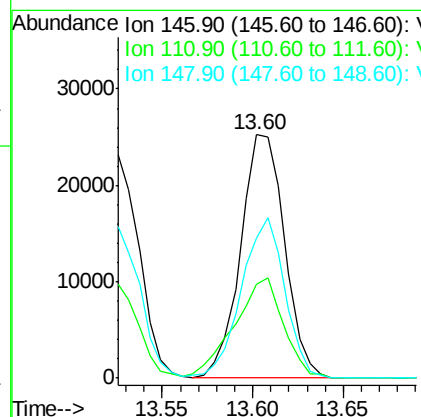
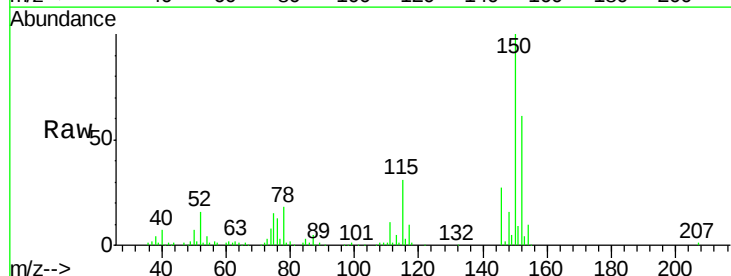
Manual Integrations  
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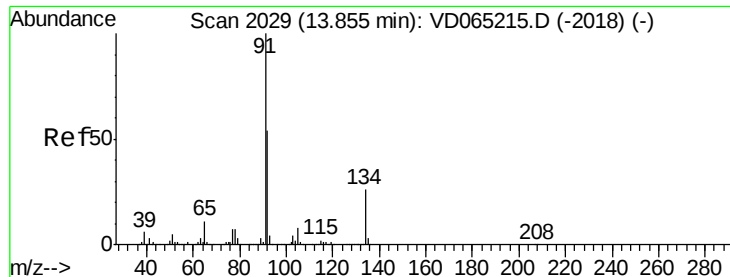
MMDadoda  
 3/4/2020 2:01:29 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 4.518 ug/l  
 RT: 13.60 min Scan# 1986  
 Delta R.T. 0.00 min  
 Lab File: VD065389.D  
 Acq: 03 Mar 2020 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 46.0  | 18.4  | 55.2  |
| 148     | 65.1  | 32.1  | 96.5  |





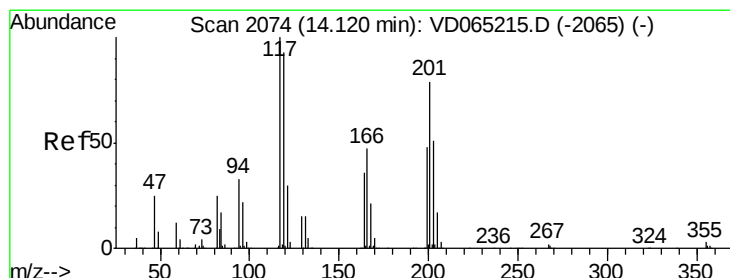
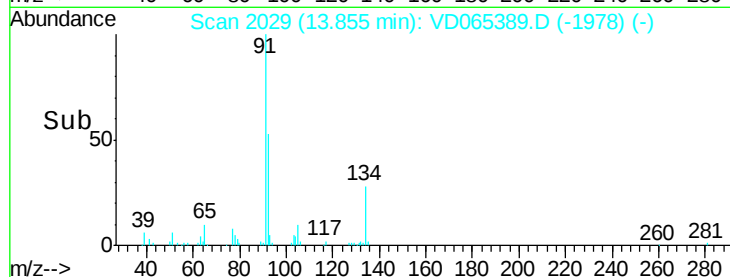
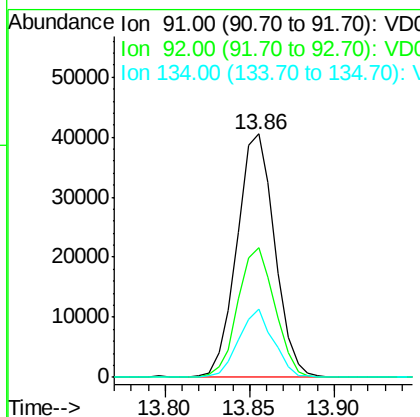
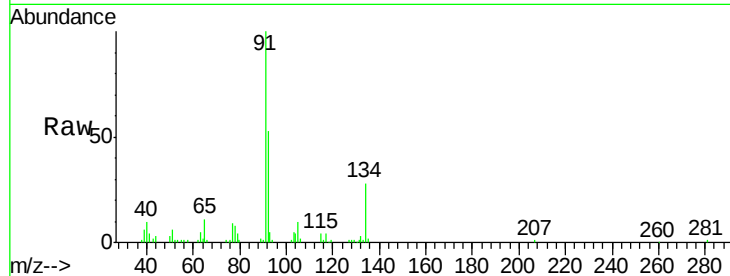
#89  
n-Butylbenzene  
Concen: 3.787 ug/l  
RT: 13.86 min Scan# 2029  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Instrument :  
MSVOA\_D  
ClientSampleID :  
VD0305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.1  | 27.0  | 80.8  |
| 134     | 25.3  | 13.5  | 40.4  |

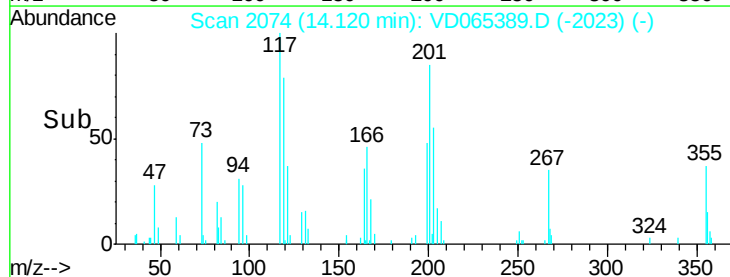
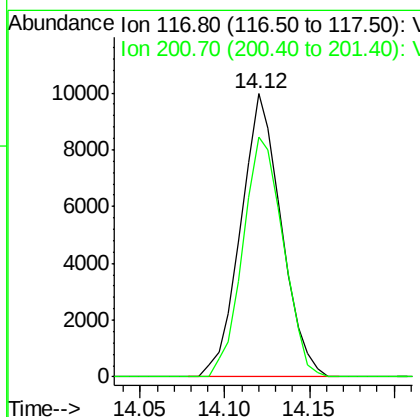
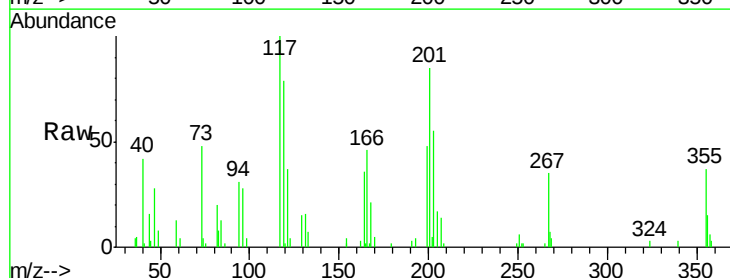
Manual Integrations  
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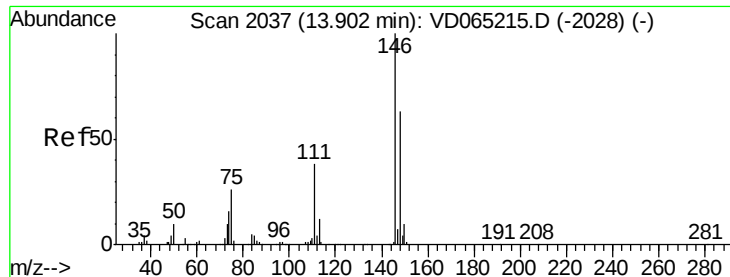
MMDadoda  
3/4/2020 2:01:29 PM



#90  
Hexachloroethane  
Concen: 4.531 ug/l  
RT: 14.12 min Scan# 2074  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 84.3  | 41.3  | 124.1 |





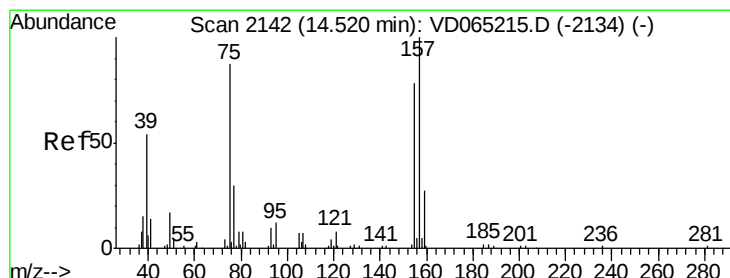
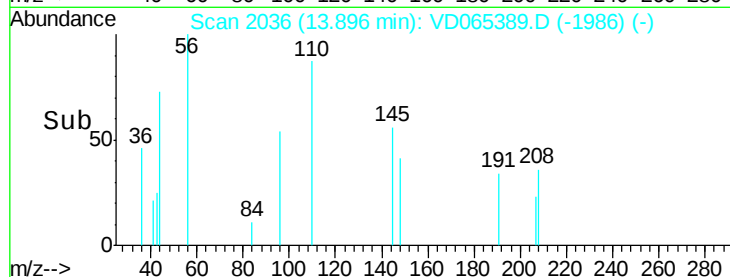
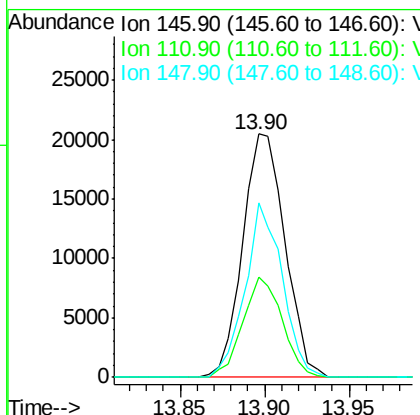
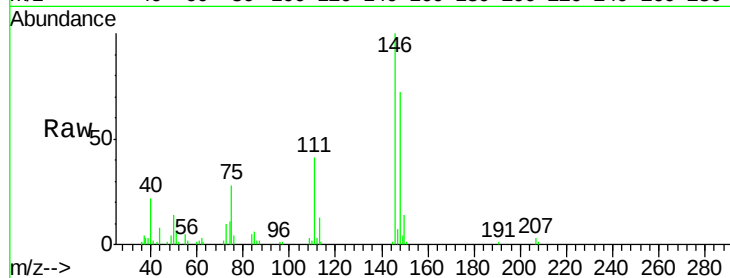
#91  
 1,2-Dichlorobenzene  
 Concen: 4.340 ug/l  
 RT: 13.90 min Scan# 2036  
 Delta R.T. -0.01 min  
 Lab File: VD065389.D  
 Acq: 03 Mar 2020 12:43

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.4  | 19.7  | 59.0  |
| 148     | 63.0  | 32.0  | 96.2  |

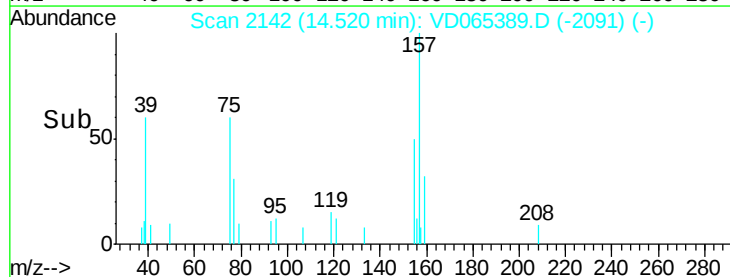
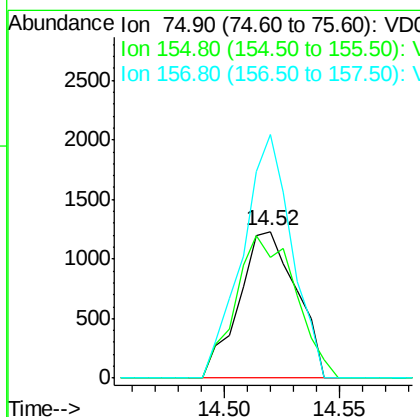
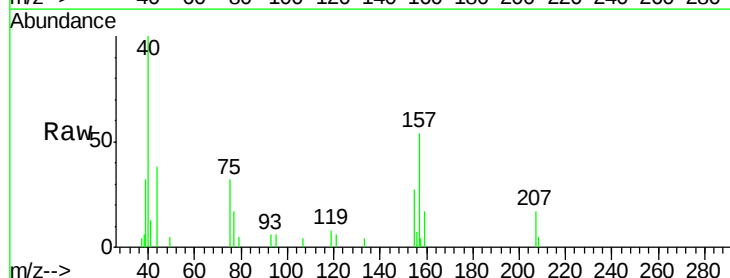
Manual Integrations  
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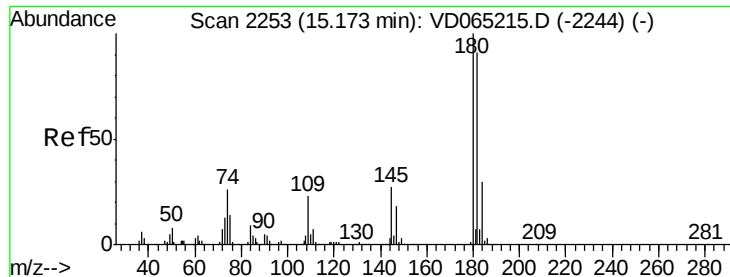
MMDadoda  
 3/4/2020 2:01:29 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 3.829 ug/l  
 RT: 14.52 min Scan# 2142  
 Delta R.T. 0.00 min  
 Lab File: VD065389.D  
 Acq: 03 Mar 2020 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 101.8 | 42.3  | 126.9 |
| 157     | 143.3 | 56.7  | 170.1 |





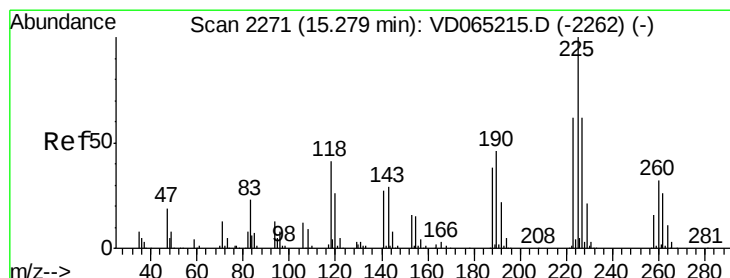
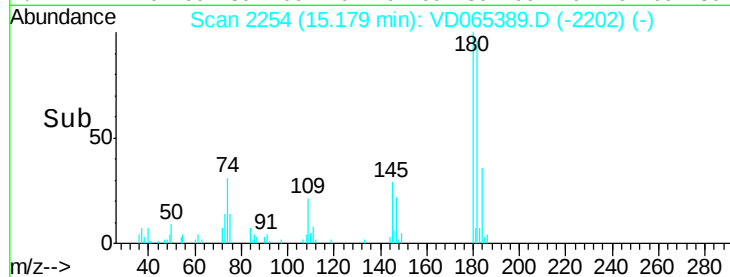
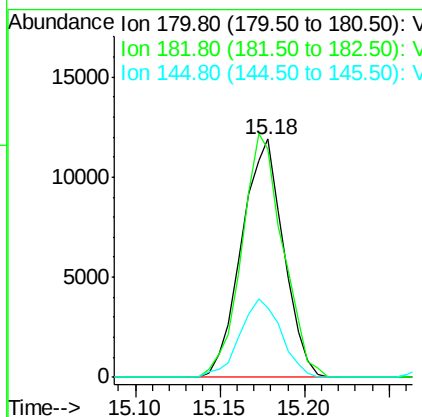
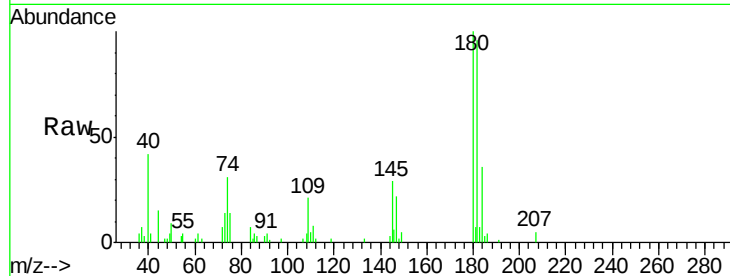
#93  
 1,2,4-Trichlorobenzene  
 Concen: 3.822 ug/l  
 RT: 15.18 min Scan# 2254  
 Delta R.T. 0.01 min  
 Lab File: VD065389.D  
 Acq: 03 Mar 2020 12:43

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0305

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 20563 |       |       |
| 182     | 100.5 | 46.9  | 140.6 |       |
| 145     | 32.3  | 13.9  | 41.7  |       |

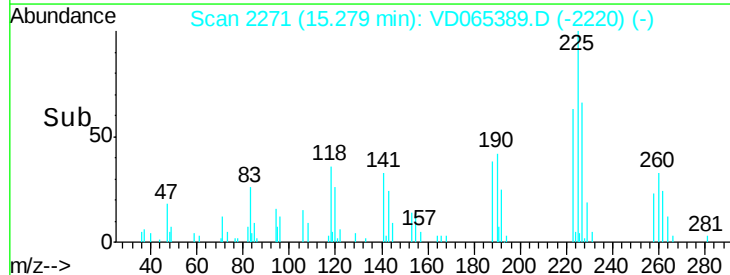
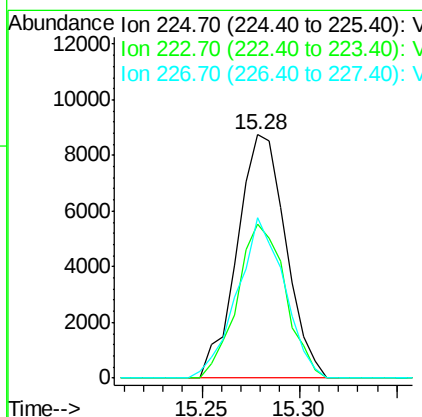
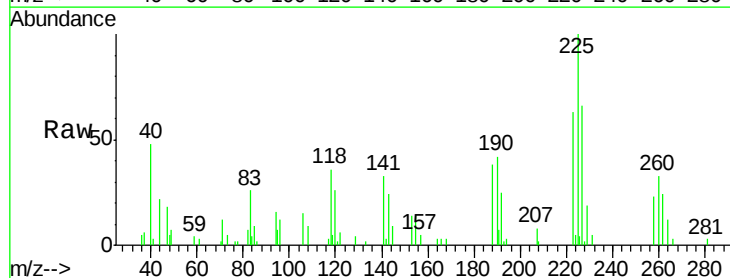
Manual Integrations  
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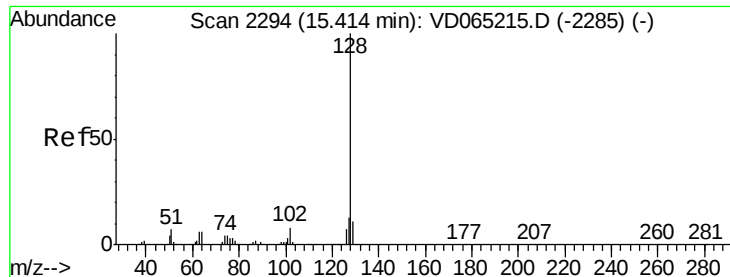
MMDadoda  
 3/4/2020 2:01:29 PM



#94  
 Hexachlorobutadiene  
 Concen: 4.371 ug/l  
 RT: 15.28 min Scan# 2271  
 Delta R.T. 0.00 min  
 Lab File: VD065389.D  
 Acq: 03 Mar 2020 12:43

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 15086 |       |       |
| 223     | 62.7  | 31.4  | 94.2  |       |
| 227     | 63.9  | 31.7  | 95.1  |       |





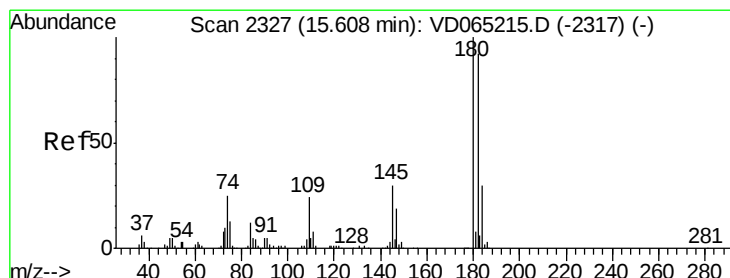
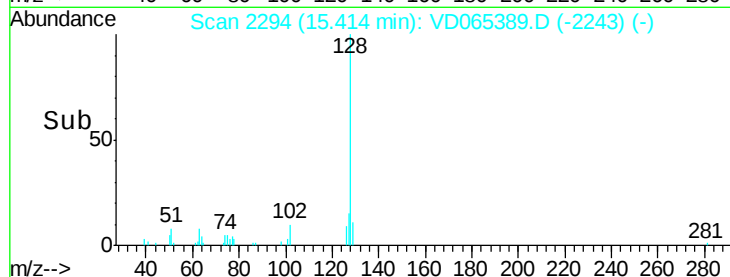
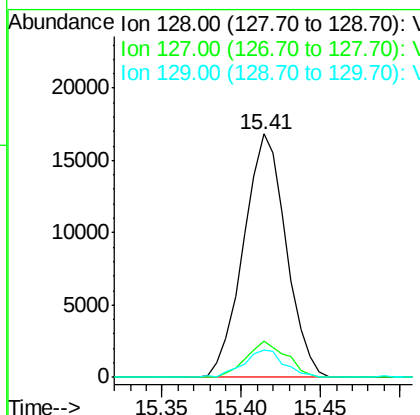
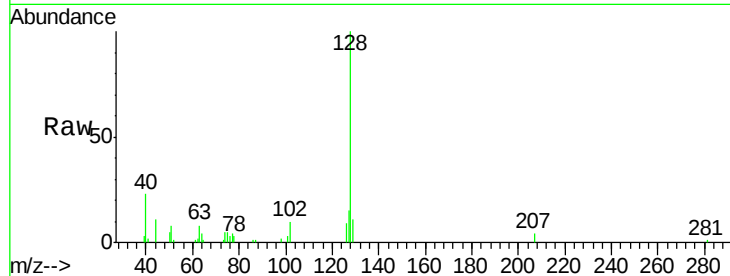
#95  
Naphthalene  
Concen: 3.592 ug/l  
RT: 15.41 min Scan# 2294  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0305

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.9  | 10.3  | 15.5  |
| 129     | 10.8  | 8.8   | 13.2  |

Manual Integrations  
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3/4/2020 2:01:29 PM



#96  
1,2,3-Trichlorobenzene  
Concen: 4.320 ug/l  
RT: 15.61 min Scan# 2327  
Delta R.T. 0.00 min  
Lab File: VD065389.D  
Acq: 03 Mar 2020 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.6  | 46.9  | 140.6 |
| 145     | 29.9  | 15.4  | 46.1  |

