

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\  
 Data File : VD065420.D  
 Acq On : 04 Mar 2020 19:38  
 Operator : VA/SY  
 Sample : L1161-02 5PPBL00  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0307

Manual Integrations  
 APPROVED

MMDadoda  
 3/5/2020 1:39:19 PM

Quant Time: Mar 05 02:46:01 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D030420S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 05 02:35:32 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.99  | 168  | 425382   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 658053   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 602798   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 293621   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.34   | 65  | 209664   | 57.46 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 114.92% |      |
| 35) Dibromofluoromethane  | 7.92   | 113 | 216550   | 53.21 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.42% |      |
| 50) Toluene-d8            | 10.34  | 98  | 817911   | 52.39 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.78% |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 258836   | 53.71 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.42% |      |

## Target Compounds

|                               |      |     |        |        |        | Qvalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 19033  | 5.206  | ug/l   | 99     |
| 3) Chloromethane              | 2.21 | 50  | 23864  | 5.407  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.35 | 62  | 23192  | 5.327  | ug/l   | 89     |
| 5) Bromomethane               | 2.77 | 94  | 16422  | 5.899  | ug/l   | 95     |
| 6) Chloroethane               | 2.92 | 64  | 15100  | 5.663  | ug/l   | 96     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 36521  | 5.693  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.71 | 74  | 11247  | 5.896  | ug/l   | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.09 | 101 | 22594  | 5.469  | ug/l   | 99     |
| 10) Methyl Iodide             | 4.30 | 142 | 20398  | 4.752  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 5.26 | 59  | 5856   | 27.979 | ug/l # | 91     |
| 12) 1,1-Dichloroethene        | 4.06 | 96  | 21475  | 5.428  | ug/l   | 98     |
| 13) Acrolein                  | 3.92 | 56  | 8679   | 24.044 | ug/l   | 92     |
| 14) Allyl chloride            | 4.71 | 41  | 33340  | 5.486  | ug/l   | 99     |
| 15) Acrylonitrile             | 5.43 | 53  | 23560  | 28.389 | ug/l   | 98     |
| 16) Acetone                   | 4.17 | 43  | 20582  | 27.890 | ug/l   | 98     |
| 17) Carbon Disulfide          | 4.40 | 76  | 72097  | 5.472  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.73 | 43  | 11569  | 6.180  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 5.49 | 73  | 41227  | 5.419  | ug/l   | 97     |
| 20) Methylene Chloride        | 4.96 | 84  | 33976  | 7.442  | ug/l   | 94     |
| 21) trans-1,2-Dichloroethene  | 5.46 | 96  | 24758  | 5.626  | ug/l   | 86     |
| 22) Diisopropyl ether         | 6.37 | 45  | 59203  | 5.240  | ug/l   | 97     |
| 23) Vinyl Acetate             | 6.31 | 43  | 150444 | 23.983 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 6.26 | 63  | 41225  | 5.689  | ug/l   | 98     |
| 25) 2-Butanone                | 7.23 | 43  | 25682  | 25.502 | ug/l   | 95     |
| 26) 2,2-Dichloropropane       | 7.20 | 77  | 33658  | 5.315  | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 25152  | 5.591  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.55 | 49  | 16819  | 5.801  | ug/l   | 99     |
| 29) Tetrahydrofuran           | 7.57 | 42  | 17384  | 27.031 | ug/l   | 95     |
| 30) Chloroform                | 7.71 | 83  | 42953  | 5.930  | ug/l   | 100    |
| 31) Cyclohexane               | 7.99 | 56  | 41144  | 5.678  | ug/l # | 86     |
| 32) 1,1,1-Trichloroethane     | 7.90 | 97  | 37237  | 5.563  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 8.12 | 75  | 32464  | 5.147  | ug/l   | 98     |
| 37) Ethyl Acetate             | 7.30 | 43  | 11241  | 4.611  | ug/l # | 95     |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 33831  | 5.172  | ug/l   | 93     |

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 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0307

Manual Integrations  
 APPROVED

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 3/5/2020 1:39:19 PM

Quant Time: Mar 05 02:46:01 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D030420S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 05 02:35:32 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| -----                          |       |      |          |         |        |          |
| 39) Methylcyclohexane          | 9.36  | 83   | 33793    | 4.436   | ug/l # | 85       |
| 40) Benzene                    | 8.35  | 78   | 95845    | 5.434   | ug/l   | 95       |
| 41) Methacrylonitrile          | 7.53  | 41   | 6012     | 4.663   | ug/l   | 93       |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 27144    | 5.894   | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.46  | 43   | 24177    | 5.371   | ug/l   | 99       |
| 44) Trichloroethene            | 9.11  | 130  | 25925    | 5.205   | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 22688    | 5.311   | ug/l   | 97       |
| 46) Dibromomethane             | 9.48  | 93   | 12421    | 5.605   | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.66  | 83   | 31567    | 5.476   | ug/l   | 95       |
| 48) Methyl methacrylate        | 9.46  | 41   | 10852    | 5.125   | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 2611     | 103.008 | ug/l # | 85       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 56851    | 25.096  | ug/l   | 96       |
| 52) Toluene                    | 10.40 | 92   | 59629    | 5.367   | ug/l   | 96       |
| 53) t-1,3-Dichloropropene      | 10.63 | 75   | 27900    | 5.179   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.09 | 75   | 32470    | 4.979   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.81 | 97   | 18295    | 5.829   | ug/l   | 91       |
| 56) Ethyl methacrylate         | 10.67 | 69   | 16746    | 4.733   | ug/l   | 94       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 29423    | 5.541   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 24390    | 21.375  | ug/l   | 96       |
| 59) 2-Hexanone                 | 10.99 | 43   | 37533    | 23.934  | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.14 | 129  | 23504    | 5.842   | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 17256    | 5.764   | ug/l   | 91       |
| 64) Tetrachloroethene          | 10.88 | 164  | 23122    | 5.353   | ug/l   | 96       |
| 65) Chlorobenzene              | 11.67 | 112  | 63774    | 5.346   | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.75 | 131  | 24473    | 5.633   | ug/l   | 96       |
| 67) Ethyl Benzene              | 11.75 | 91   | 99636    | 4.834   | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.86 | 106  | 75532    | 9.504   | ug/l   | 97       |
| 69) o-Xylene                   | 12.18 | 106  | 32988    | 4.719   | ug/l   | 100      |
| 70) Styrene                    | 12.20 | 104  | 55844    | 4.539   | ug/l   | 97       |
| 71) Bromoform                  | 12.37 | 173  | 13396    | 5.490   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.48 | 105  | 87049    | 4.507   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.30 | 43   | 19222    | 4.862   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.74 | 83   | 19696    | 5.802   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 12.79 | 75   | 11782m   | 5.085   | ug/l   |          |
| 77) Bromobenzene               | 12.77 | 156  | 26449    | 5.512   | ug/l   | 97       |
| 78) n-propylbenzene            | 12.83 | 91   | 115353   | 5.034   | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 66137    | 5.121   | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene     | 12.97 | 105  | 73003    | 4.598   | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 12.53 | 75   | 5221     | 4.755   | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 68843    | 5.073   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.23 | 119  | 62319    | 4.639   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.28 | 105  | 73548    | 4.699   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.41 | 105  | 87716    | 4.575   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.53 | 119  | 76619    | 4.379   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.53 | 146  | 49158    | 5.329   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 49938    | 5.442   | ug/l   | 94       |
| 89) n-Butylbenzene             | 13.86 | 91   | 74566    | 4.610   | ug/l   | 97       |
| 90) Hexachloroethane           | 14.12 | 117  | 18518    | 5.140   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 43647    | 5.560   | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51 | 75   | 3142     | 6.077   | ug/l   | 83       |

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Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0307

Manual Integrations  
APPROVED

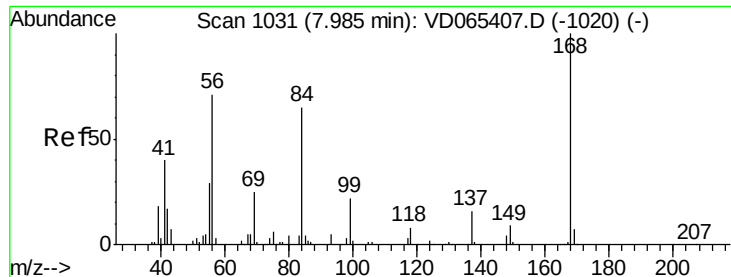
MMDadoda  
3/5/2020 1:39:19 PM

Quant Time: Mar 05 02:46:01 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D030420S.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 05 02:35:32 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 25803    | 4.849 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 15.28 | 225  | 17548    | 5.019 | ug/l  | 95       |
| 95) Naphthalene            | 15.41 | 128  | 37374    | 4.392 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 15.60 | 180  | 22994    | 5.001 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

Instrument :

MSVOA\_D

ClientSampleId :

VD0307

Tot Ion:168 Resp: 425382

Ion Ratio Lower Upper

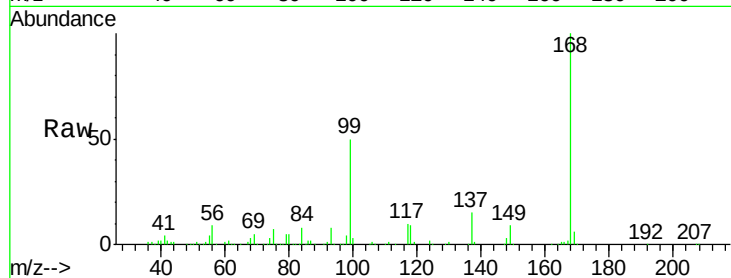
168 100

99 49.6 41.5 62.3

Manual Integrations  
APPROVED

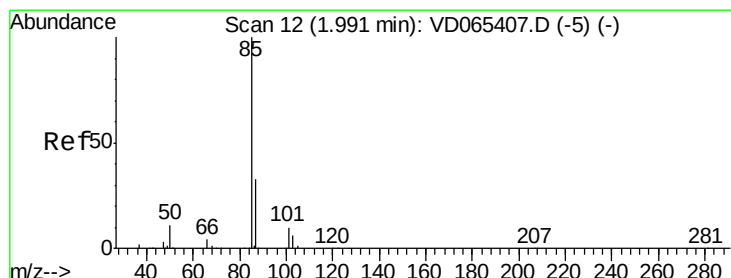
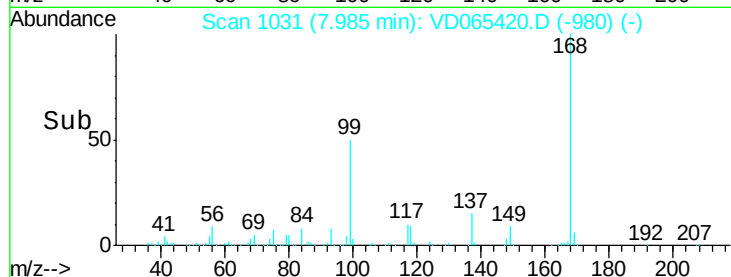
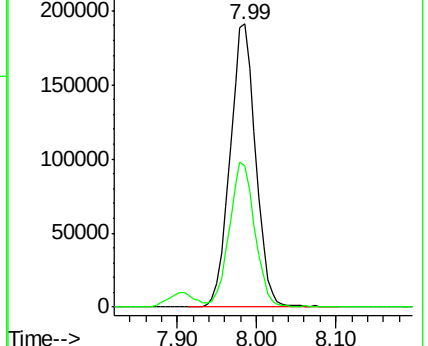
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 5.206 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065420.D

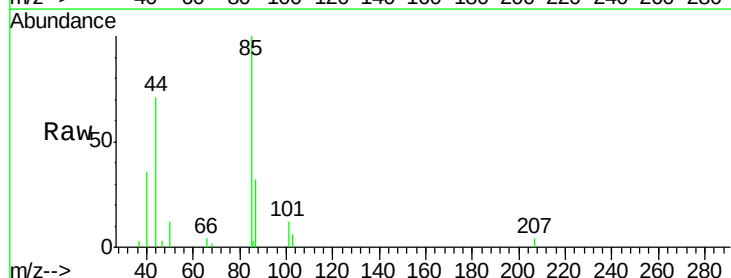
Acq: 04 Mar 2020 19:38

Tgt Ion: 85 Resp: 19033

Ion Ratio Lower Upper

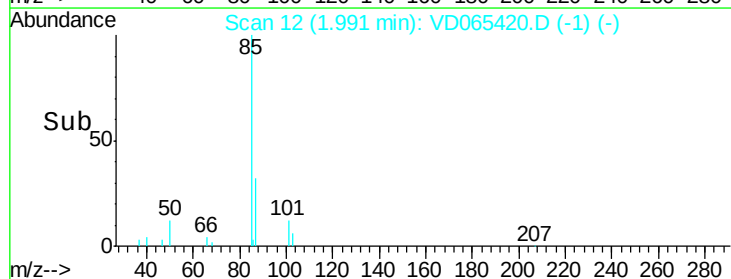
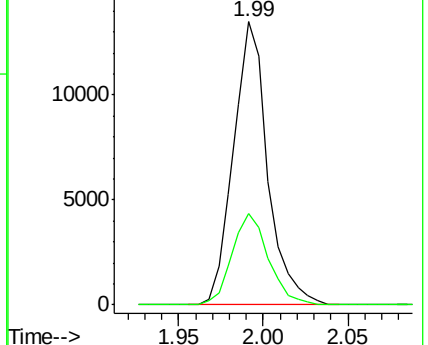
85 100

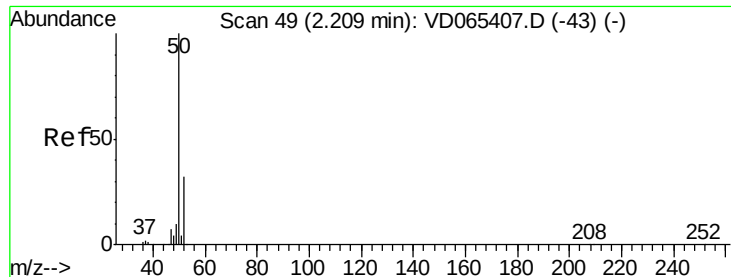
87 32.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.407 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

Instrument :

MSVOA\_D

ClientSampleId :

VD0307

Tot Ion: 50 Resp: 23864

Ion Ratio Lower Upper

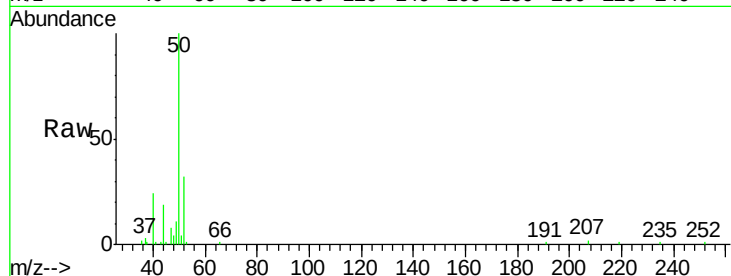
50 100

52 31.6 25.8 38.8

Manual Integrations  
APPROVED

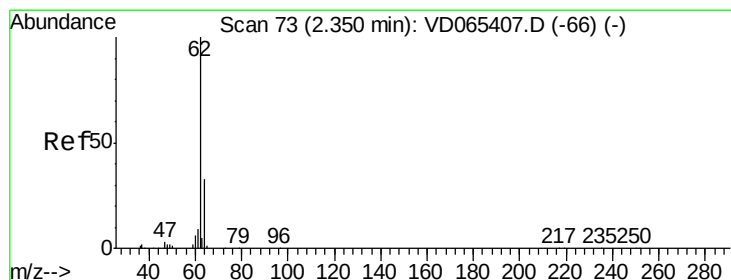
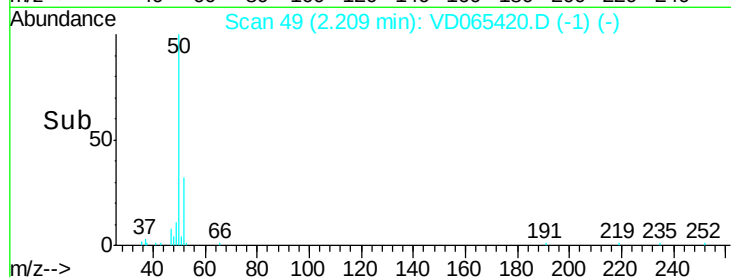
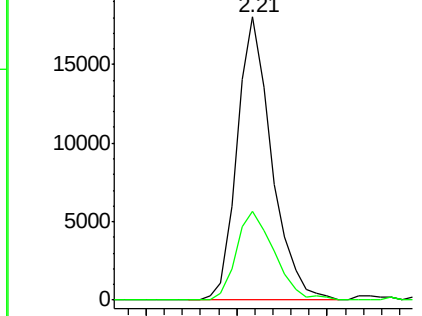
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 5.327 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065420.D

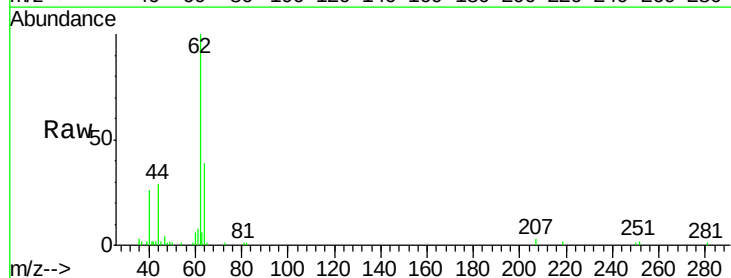
Acq: 04 Mar 2020 19:38

Tgt Ion: 62 Resp: 23192

Ion Ratio Lower Upper

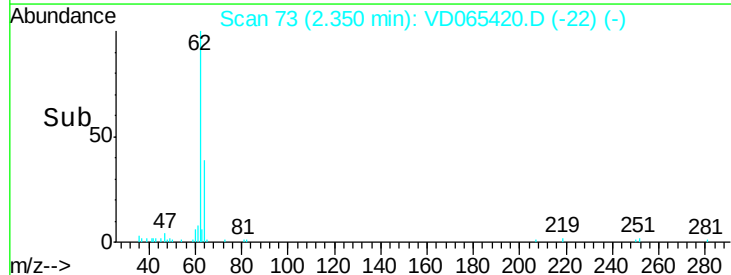
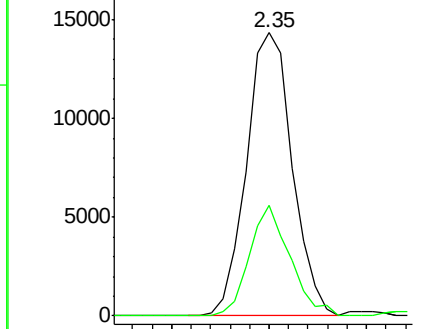
62 100

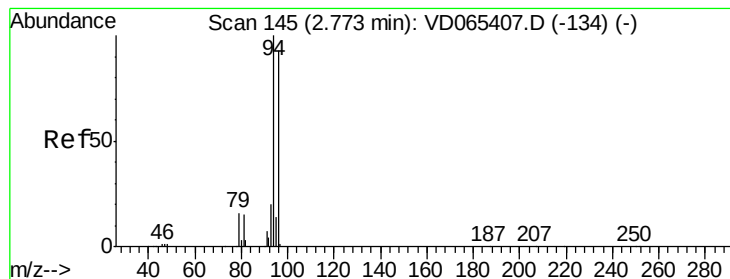
64 39.2 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 5.899 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

Instrument :

MSVOA\_D

ClientSampleId :

VD0307

Tot Ion: 94 Resp: 16422

Ion Ratio Lower Upper

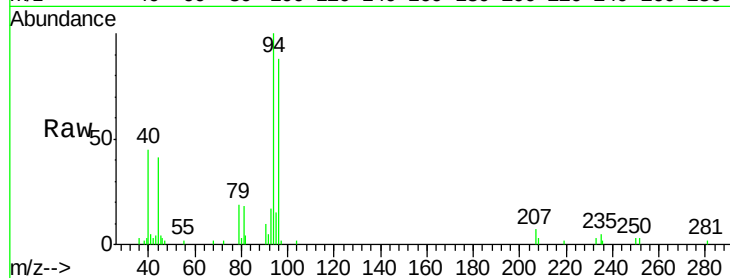
94 100

96 88.1 74.4 111.6

Manual Integrations  
APPROVED

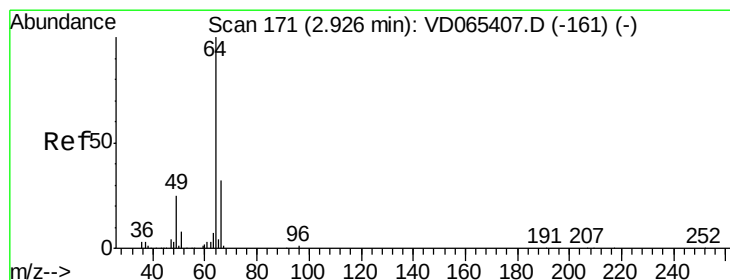
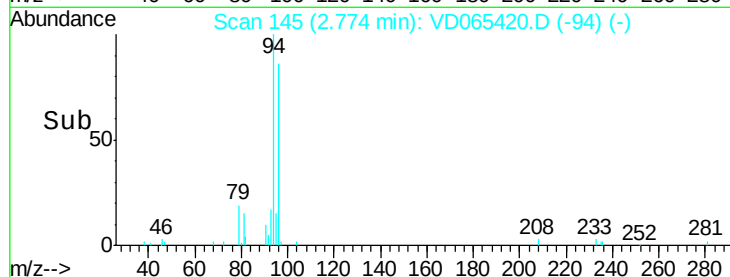
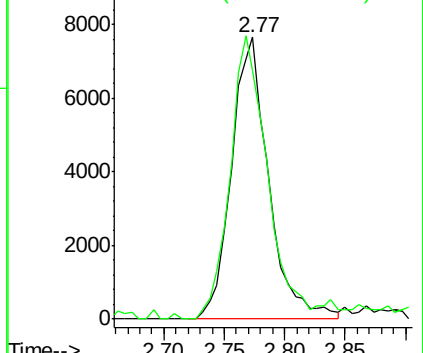
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 5.663 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065420.D

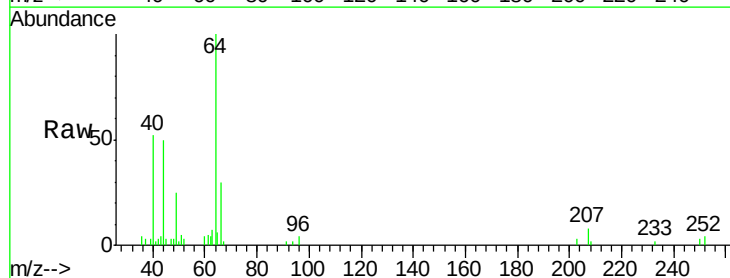
Acq: 04 Mar 2020 19:38

Tgt Ion: 64 Resp: 15100

Ion Ratio Lower Upper

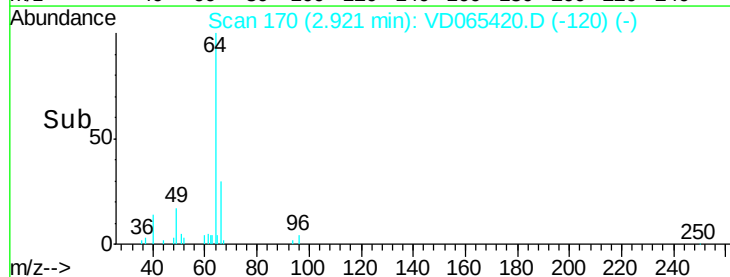
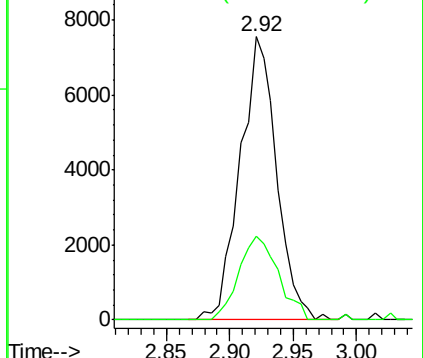
64 100

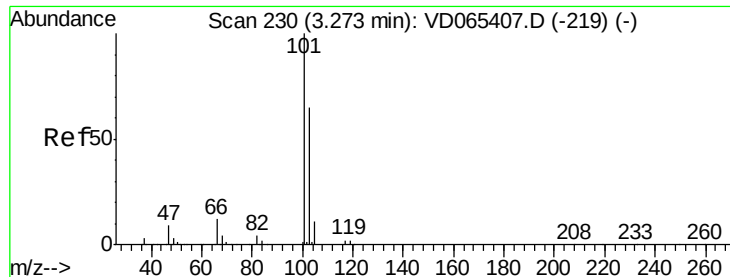
66 29.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

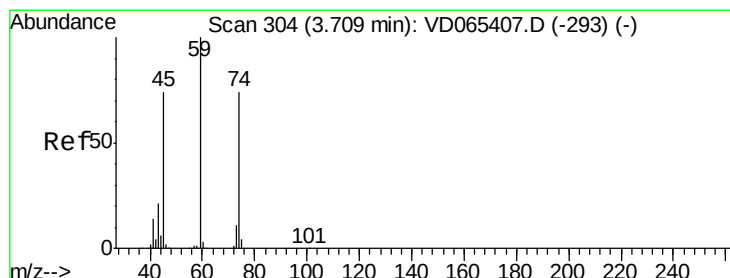
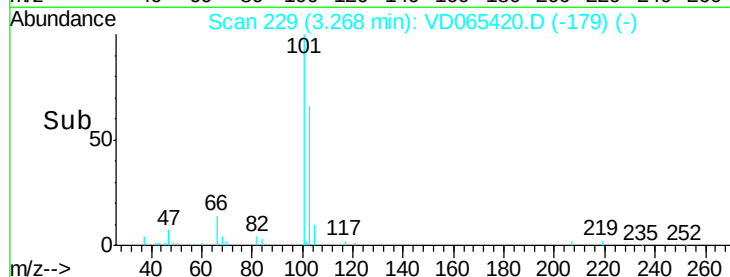
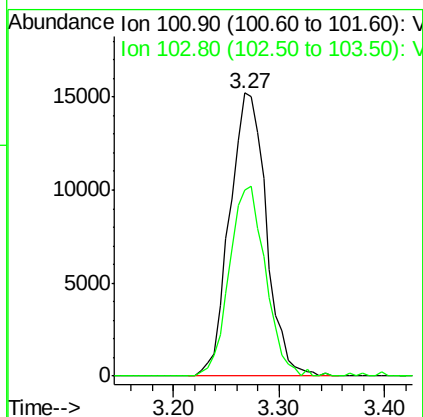
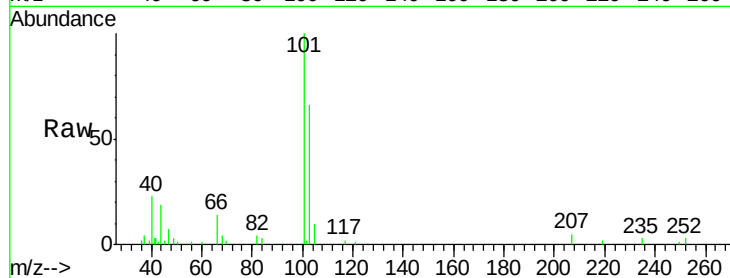
Trichlorofluoromethane  
 Concen: 5.693 ug/l  
 RT: 3.27 min Scan# 229  
 Delta R.T. -0.01 min  
 Lab File: VD065420.D  
 Acq: 04 Mar 2020 19:38

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0307

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.7  | 52.1  | 78.1  |

Manual Integrations  
 APPROVED

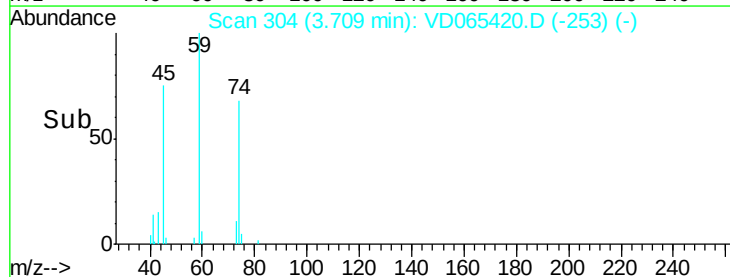
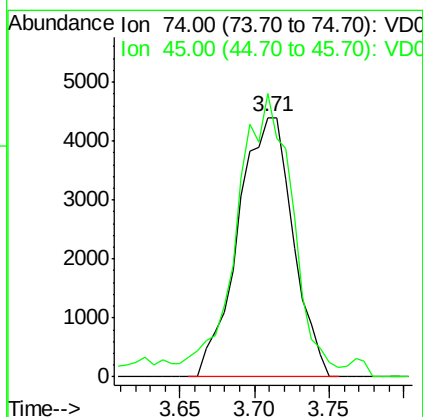
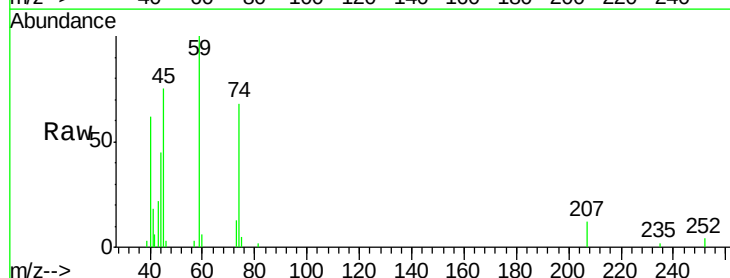
MMDadoda  
 3/5/2020 1:39:19 PM



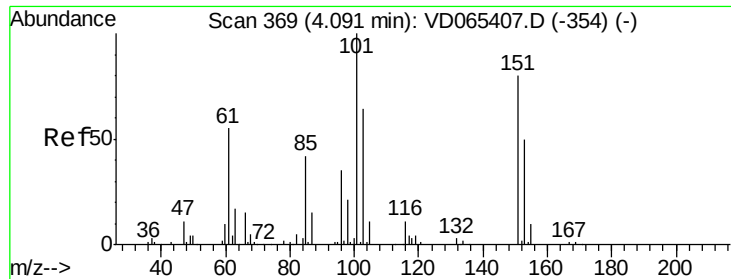
#8

Diethyl Ether  
 Concen: 5.896 ug/l  
 RT: 3.71 min Scan# 304  
 Delta R.T. 0.00 min  
 Lab File: VD065420.D  
 Acq: 04 Mar 2020 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 104.3 | 49.5  | 148.5 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.469 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

Instrument :

MSVOA\_D

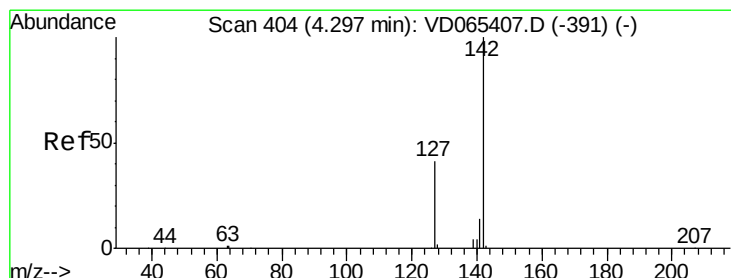
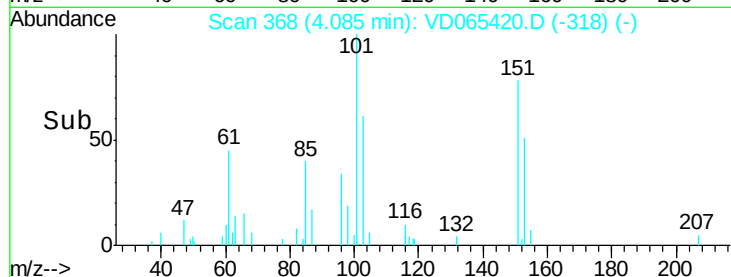
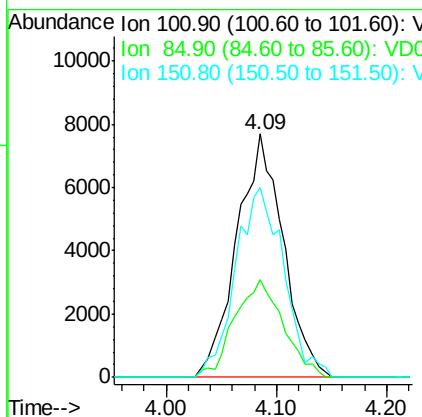
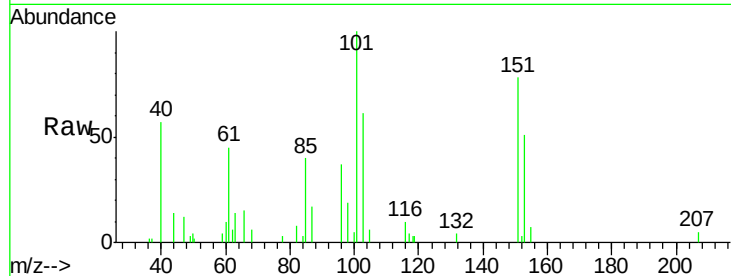
ClientSampleId :

VD0307

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 22594 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 42.2  | 34.2  | 51.2  |
| 151       | 81.0  | 65.1  | 97.7  |

Manual Integrations  
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MMDadoda  
3/5/2020 1:39:19 PM



#10

Methyl Iodide

Concen: 4.752 ug/l

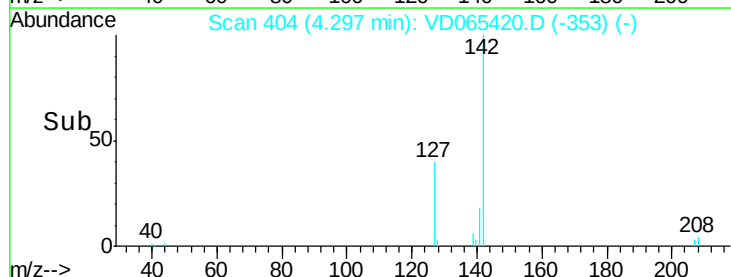
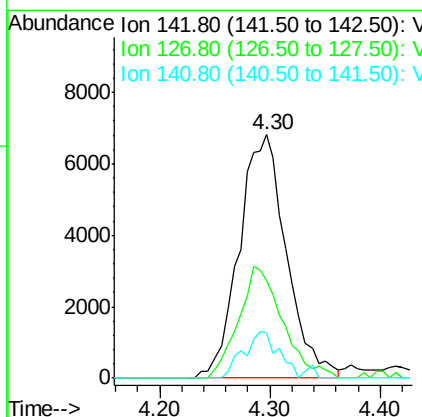
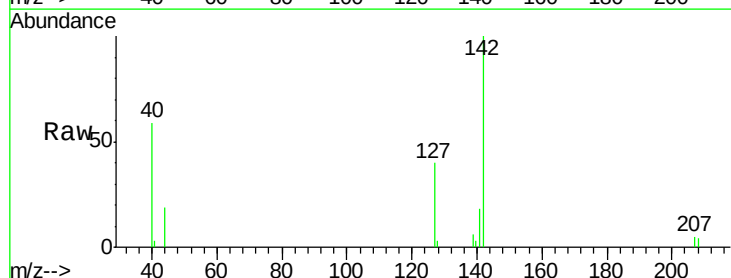
RT: 4.30 min Scan# 404

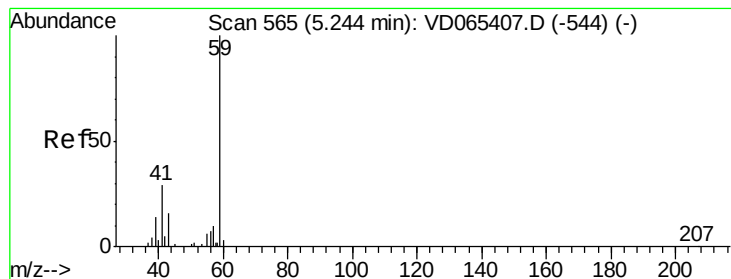
Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 20398 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 42.7  | 35.0  | 52.6  |
| 141       | 14.2  | 12.4  | 18.6  |





#11

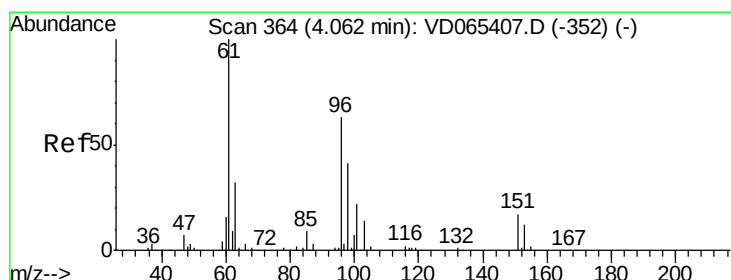
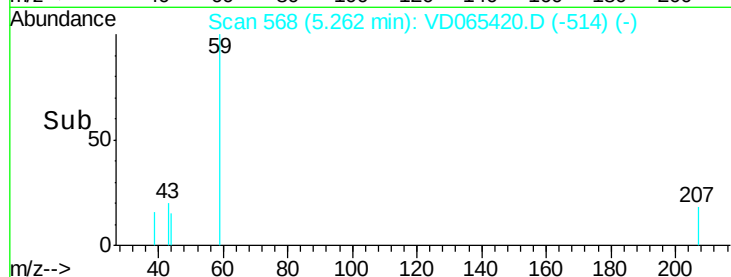
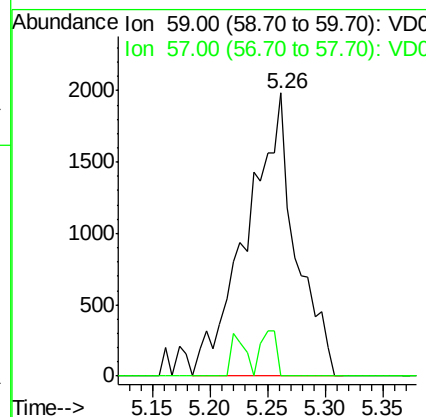
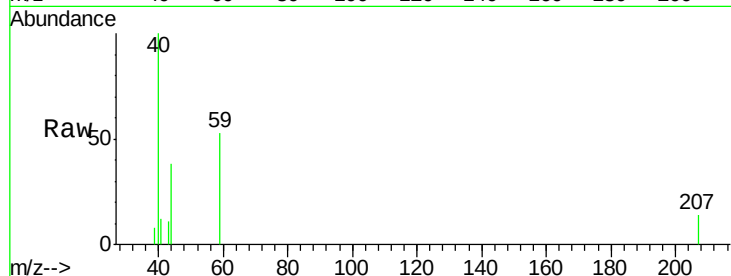
Tert butyl alcohol  
Concen: 27.979 ug/l  
RT: 5.26 min Scan# 568  
Delta R.T. 0.02 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0307

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 59      | 100   | 5856 |       |       |
| 57      | 5.2   | 6.9  | 10.3# |       |

Manual Integrations  
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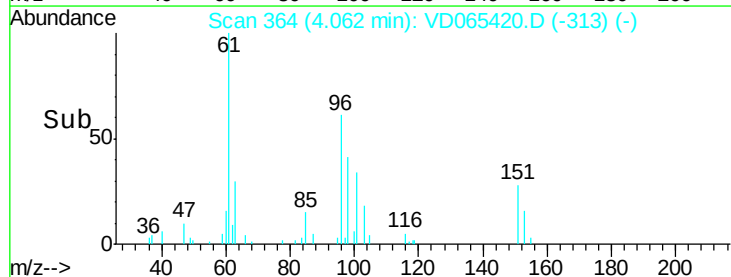
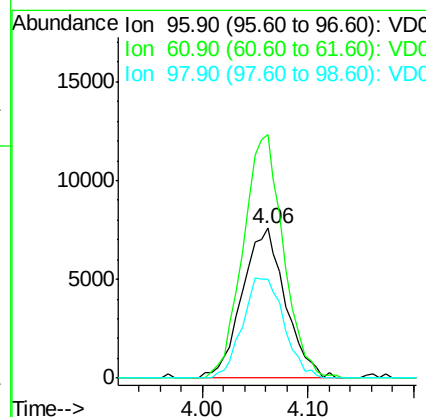
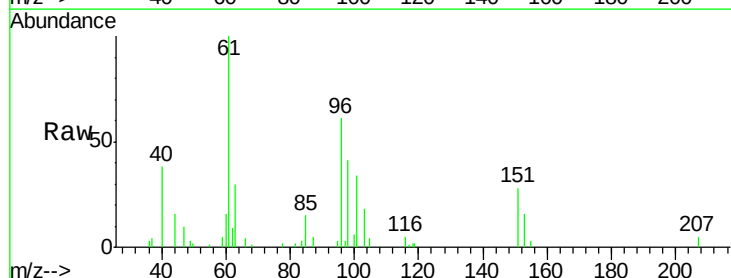
MMDadoda  
3/5/2020 1:39:19 PM

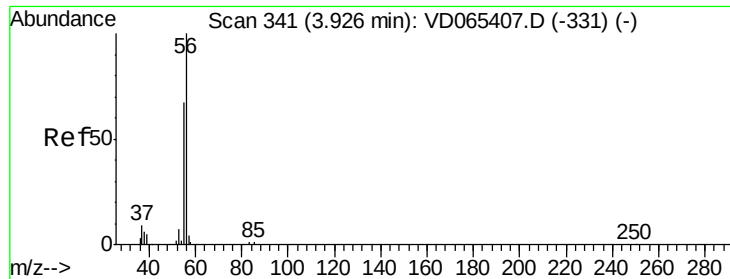


#12

1,1-Dichloroethene  
Concen: 5.428 ug/l  
RT: 4.06 min Scan# 364  
Delta R.T. 0.00 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 21475 |       |       |
| 61      | 162.8 | 128.0 | 192.0 |       |
| 98      | 66.2  | 51.9  | 77.9  |       |





#13

Acrolein

Concen: 24.044 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

Instrument :

MSVOA\_D

ClientSampleId :

VD0307

Tot Ion: 56 Resp: 8679

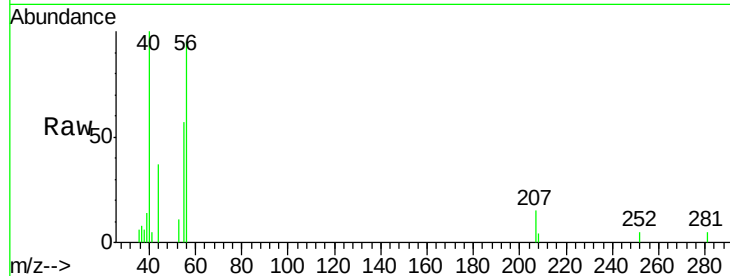
Ion Ratio Lower Upper

56 100

55 77.2 56.6 85.0

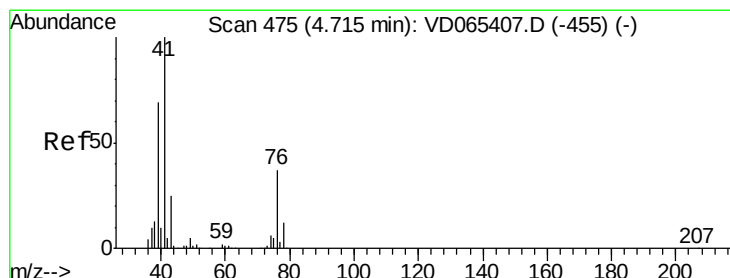
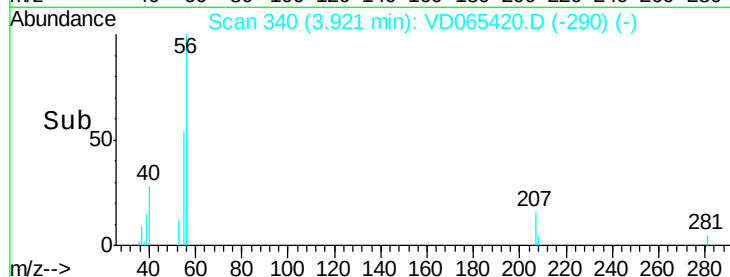
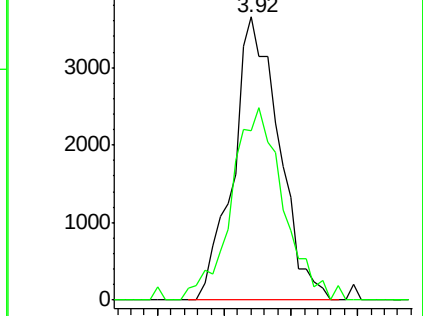
Manual Integrations  
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 5.486 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

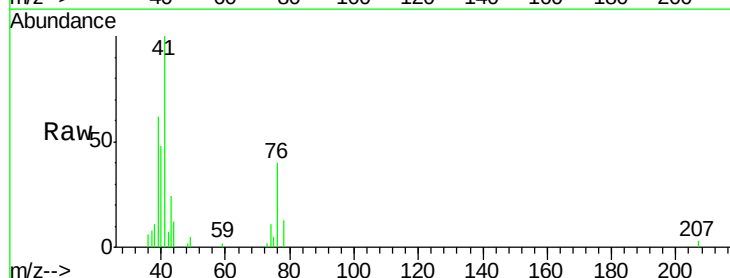
Tgt Ion: 41 Resp: 33340

Ion Ratio Lower Upper

41 100

39 64.6 52.6 79.0

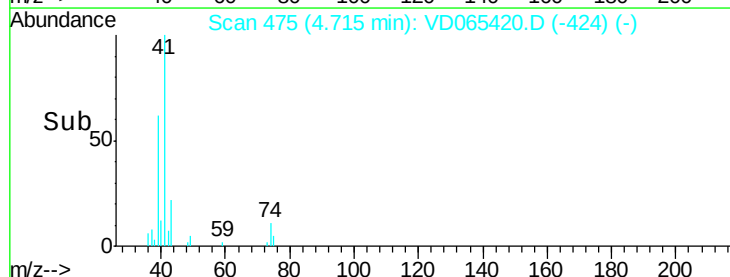
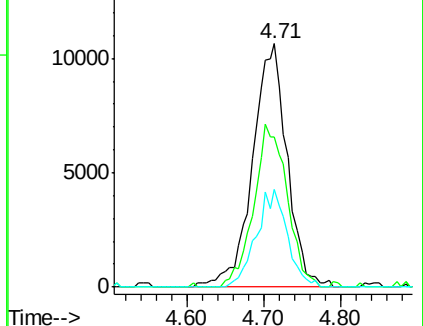
76 35.8 29.2 43.8

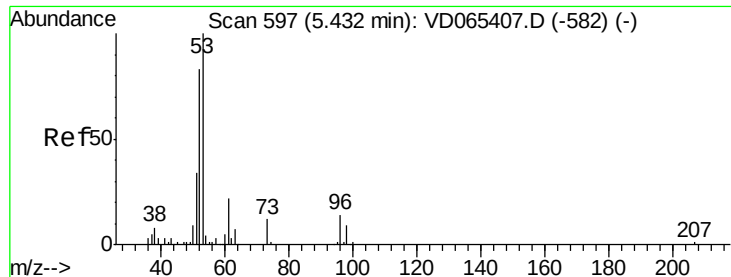


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 28.389 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

Instrument :

MSVOA\_D

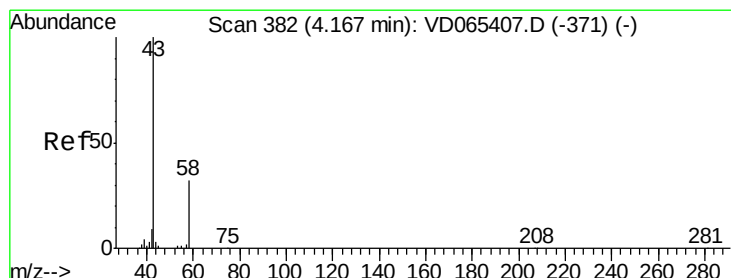
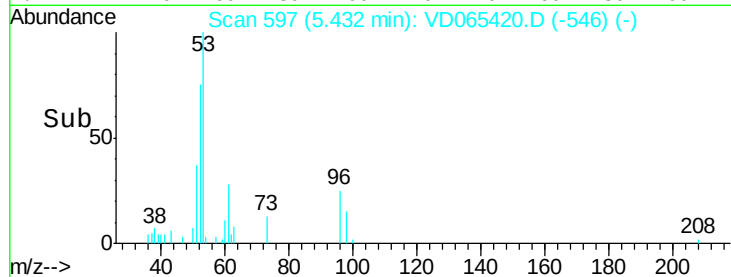
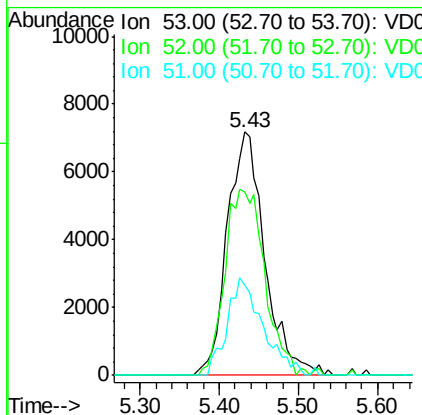
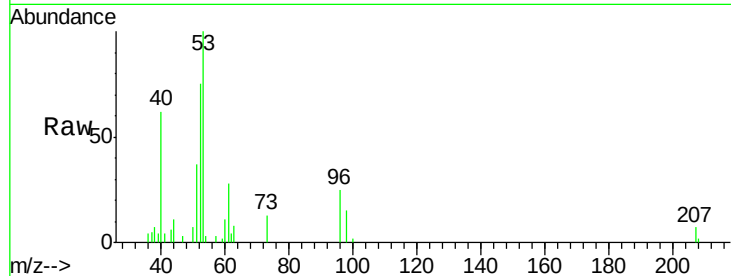
ClientSampleId :

VD0307

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 23560 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 80.8  | 65.1  | 97.7  |
| 51       | 38.0  | 28.5  | 42.7  |

Manual Integrations  
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#16

Acetone

Concen: 27.890 ug/l

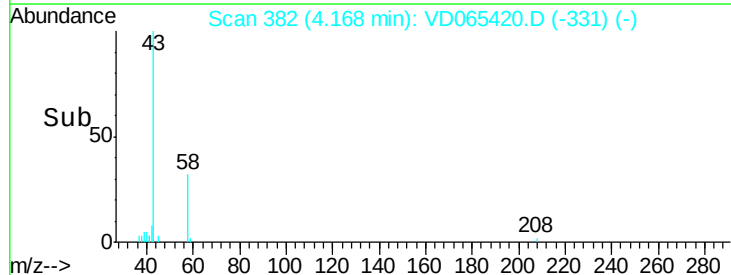
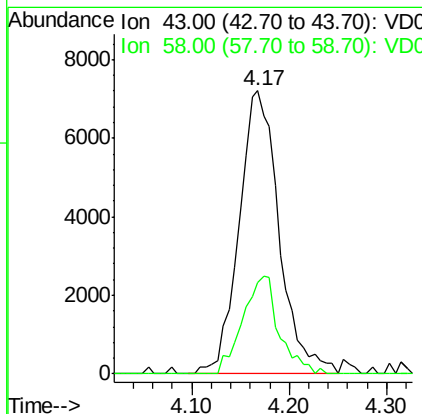
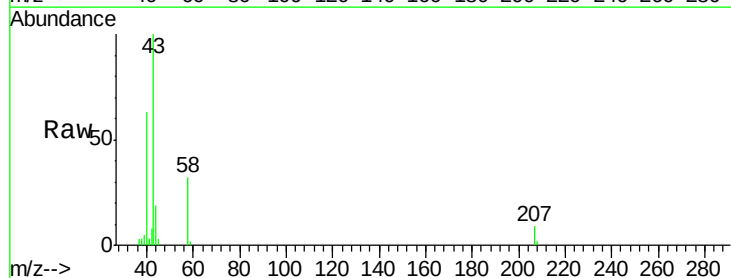
RT: 4.17 min Scan# 382

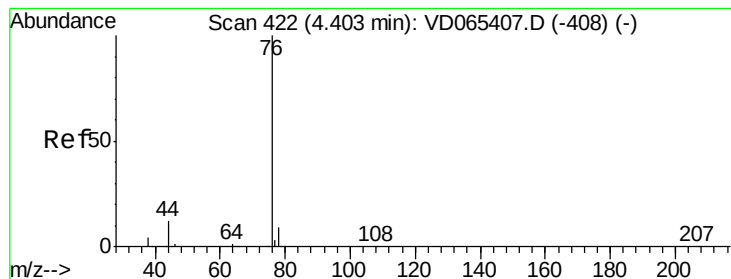
Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 20582 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 32.4  | 25.1  | 37.7  |





#17

Carbon Disulfide

Concen: 5.472 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

Instrument :

MSVOA\_D

ClientSampleId :

VD0307

Tot Ion: 76 Resp: 72097

Ion Ratio Lower Upper

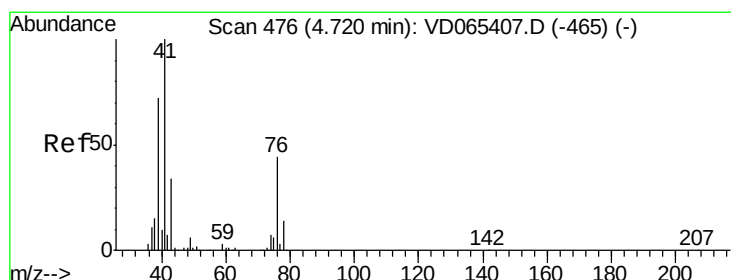
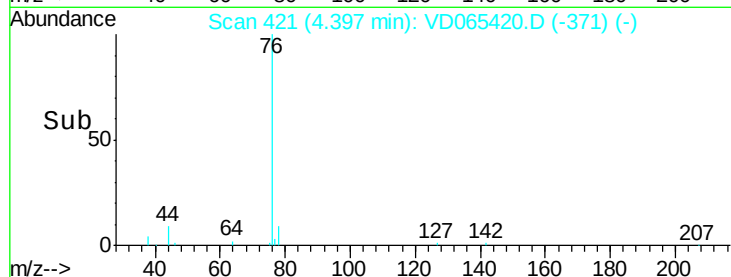
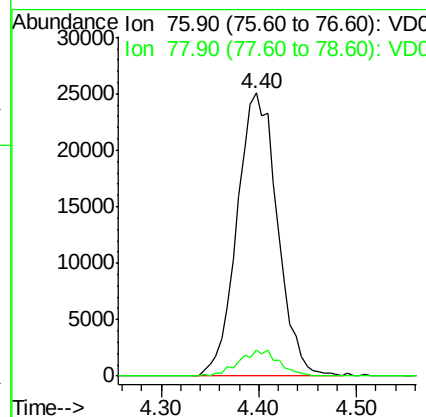
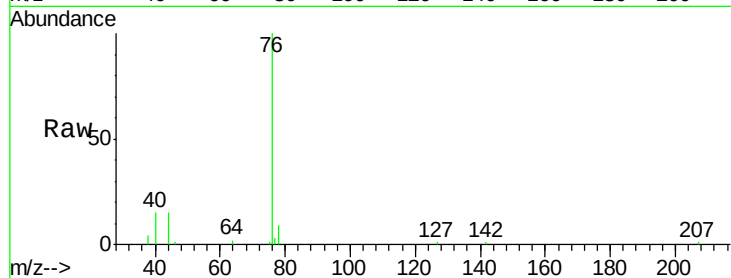
76 100

78 9.3 7.4 11.0

Manual Integrations  
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3/5/2020 1:39:19 PM



#18

Methyl Acetate

Concen: 6.180 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD065420.D

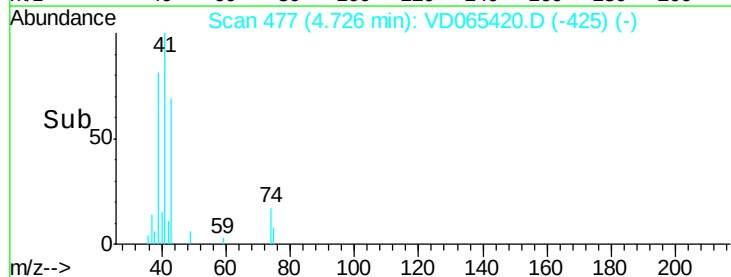
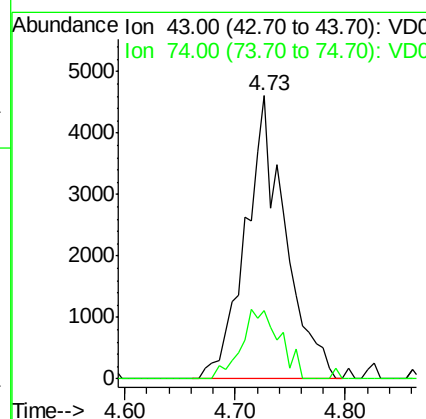
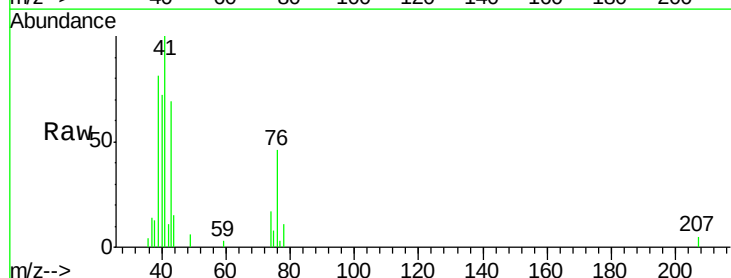
Acq: 04 Mar 2020 19:38

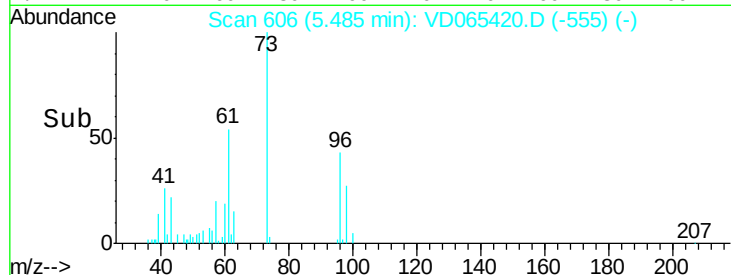
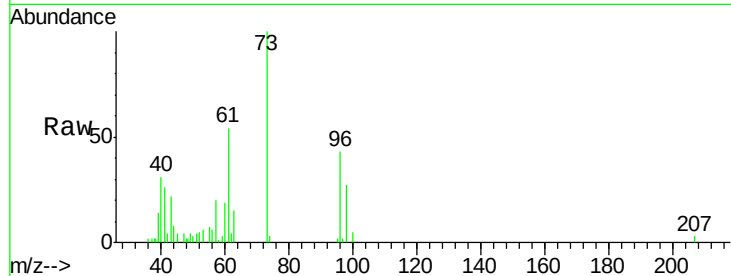
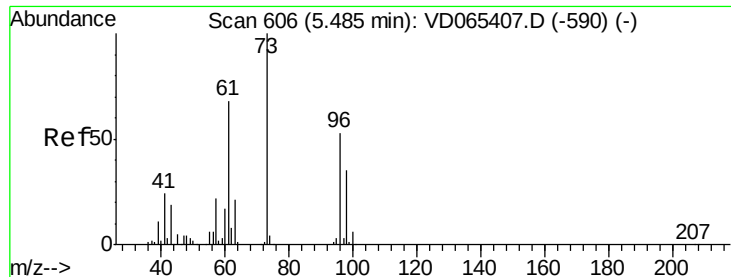
Tgt Ion: 43 Resp: 11569

Ion Ratio Lower Upper

43 100

74 24.0 19.6 29.4





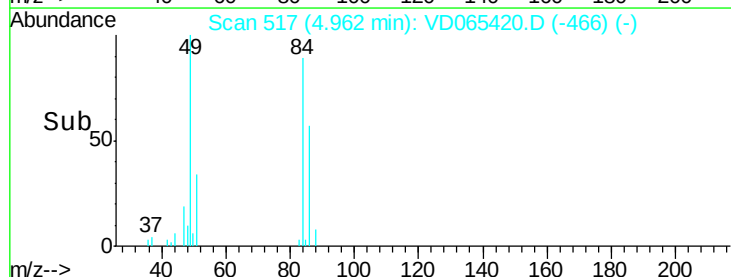
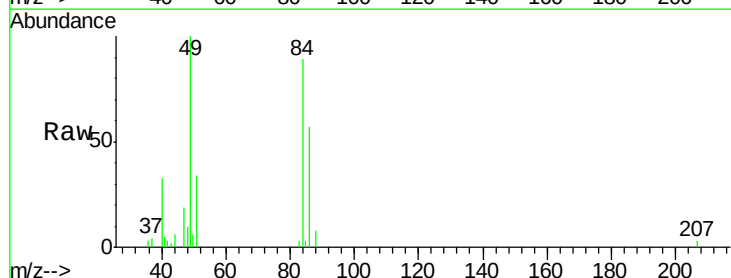
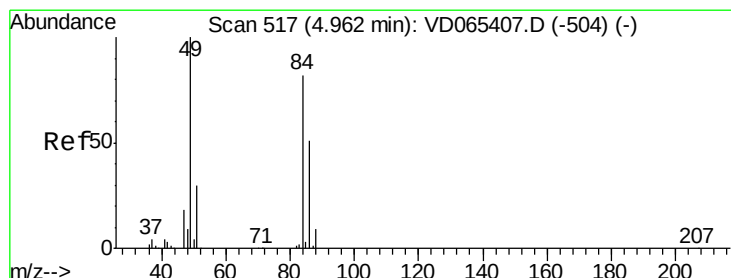
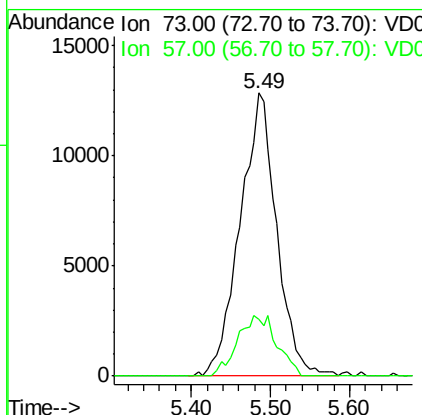
#19  
Methyl tert-butyl Ether  
Concen: 5.419 ug/l  
RT: 5.49 min Scan# 606  
Delta R.T. 0.00 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

Tot Ion: 73 Resp: 41227  
Ion Ratio Lower Upper  
73 100  
57 20.1 17.3 25.9

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0307

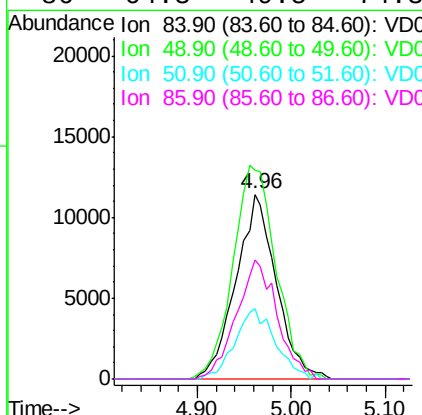
Manual Integrations  
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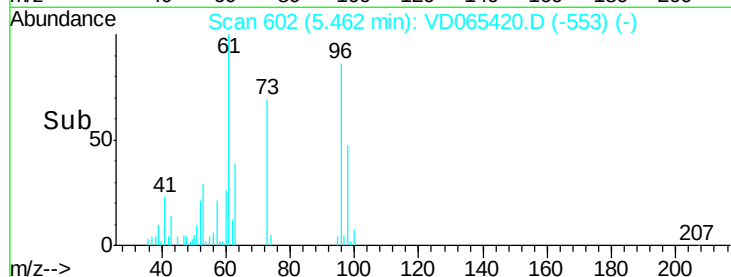
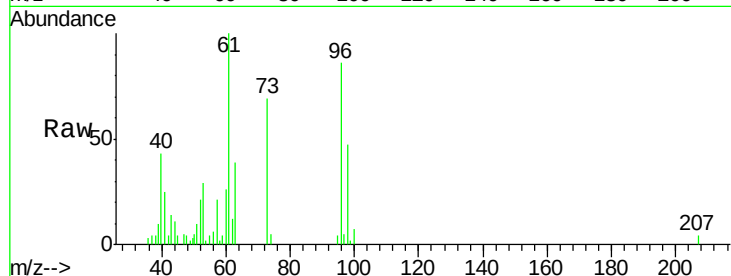
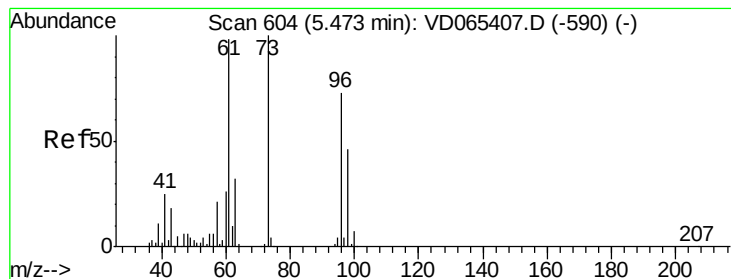
MMDadoda  
3/5/2020 1:39:19 PM



#20  
Methylene Chloride  
Concen: 7.442 ug/l  
RT: 4.96 min Scan# 517  
Delta R.T. 0.00 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

Tgt Ion: 84 Resp: 33976  
Ion Ratio Lower Upper  
84 100  
49 112.9 97.7 146.5  
51 38.4 28.8 43.2  
86 64.3 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 5.626 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065420.D

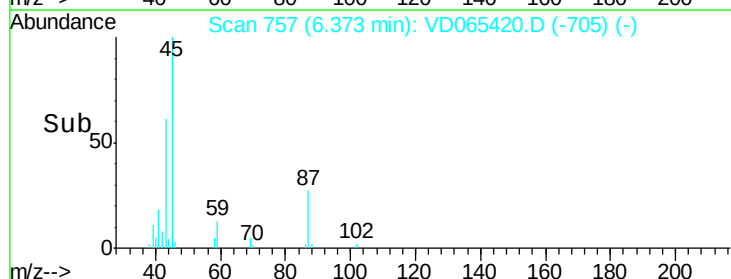
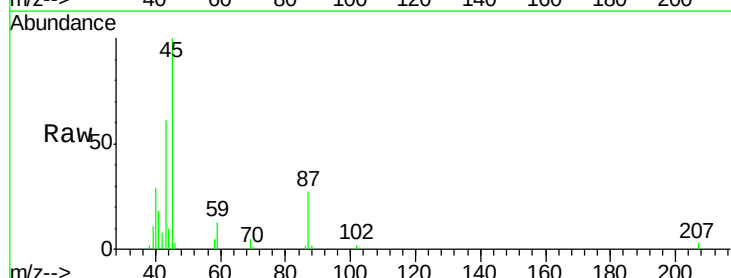
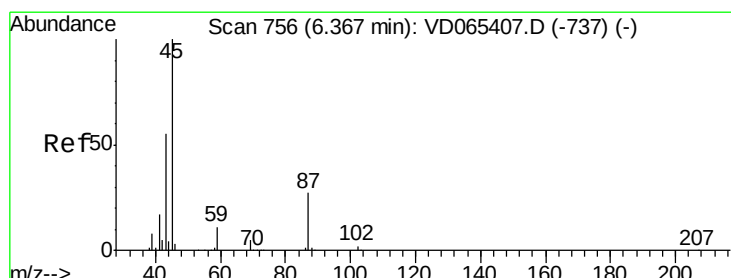
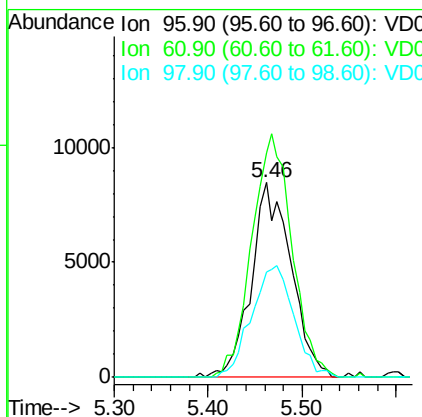
Acq: 04 Mar 2020 19:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 24758 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 115.7 | 106.3 | 159.5 |
| 98       | 54.0  | 50.2  | 75.4  |

Instrument :  
MSVOA\_D  
ClientSampled :  
VD0307

Manual Integrations  
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MMDadoda  
3/5/2020 1:39:19 PM



#22

Diisopropyl ether

Concen: 5.240 ug/l

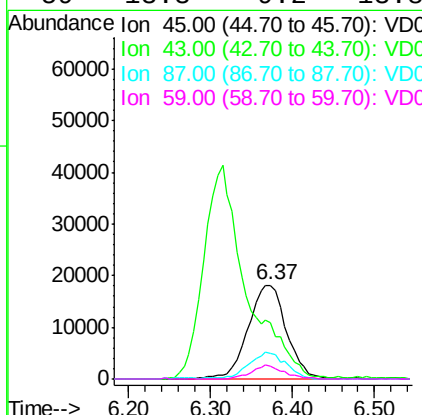
RT: 6.37 min Scan# 757

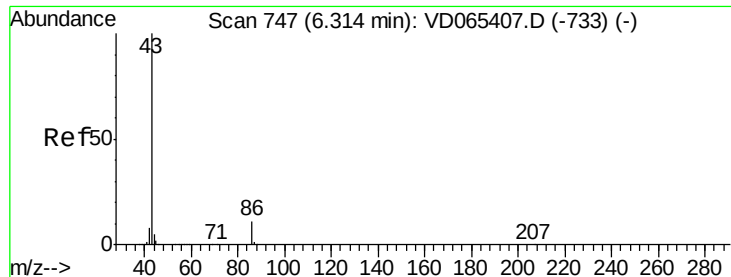
Delta R.T. 0.01 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 59203 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 58.4  | 44.4  | 66.6  |
| 87       | 27.4  | 21.9  | 32.9  |
| 59       | 13.3  | 9.2   | 13.8  |





#23

Vinyl Acetate

Concen: 23.983 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

Instrument :

MSVOA\_D

ClientSampleId :

VD0307

Tot Ion: 43 Resp: 150444

Ion Ratio Lower Upper

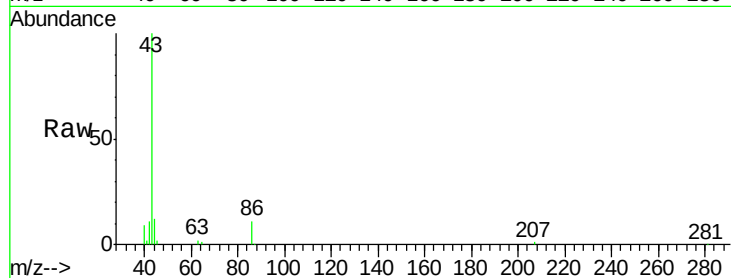
43 100

86 10.7 8.9 13.3

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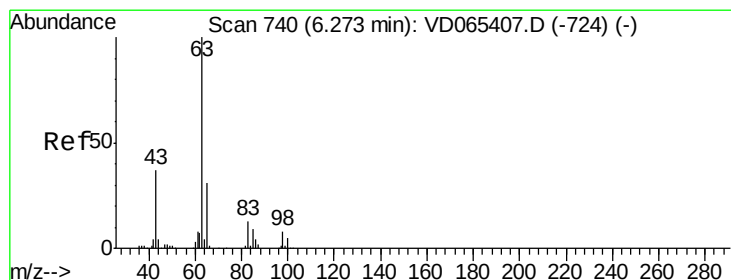
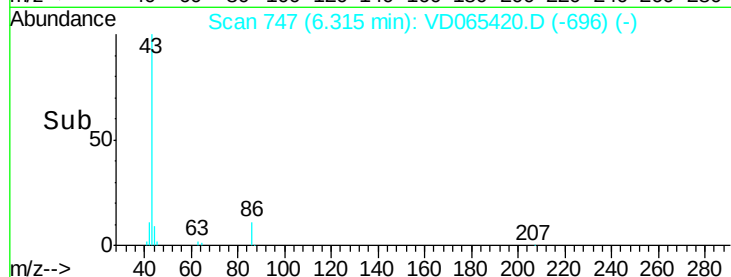
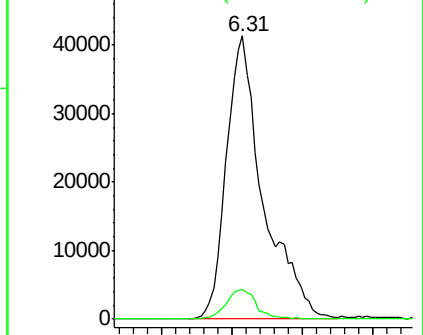
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.689 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

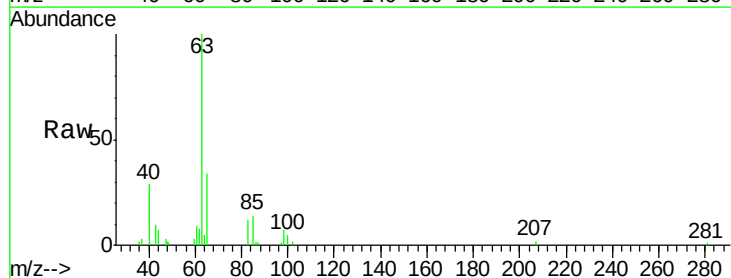
Tgt Ion: 63 Resp: 41225

Ion Ratio Lower Upper

63 100

98 7.2 4.2 12.6

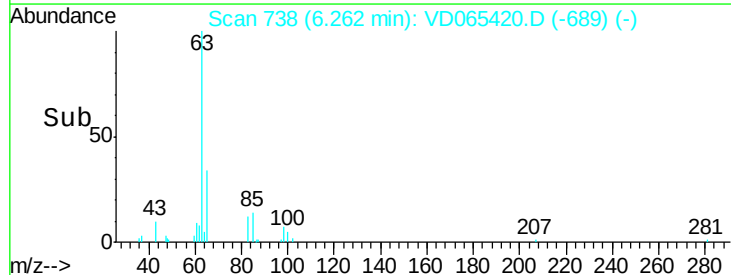
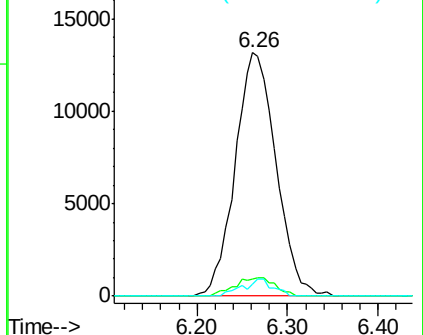
100 4.9 2.4 7.2



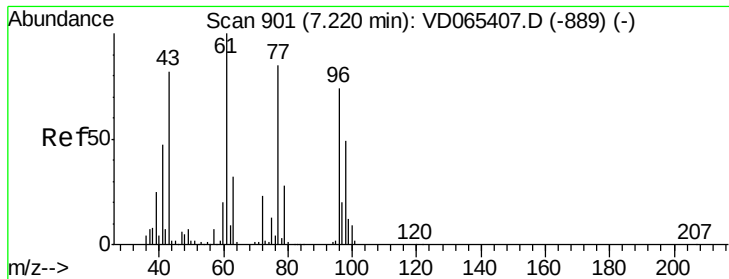
Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC







#25

2-Butanone

Concen: 25.502 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

Instrument :

MSVOA\_D

ClientSampled :

VD0307

Tot Ion: 43 Resp: 25682

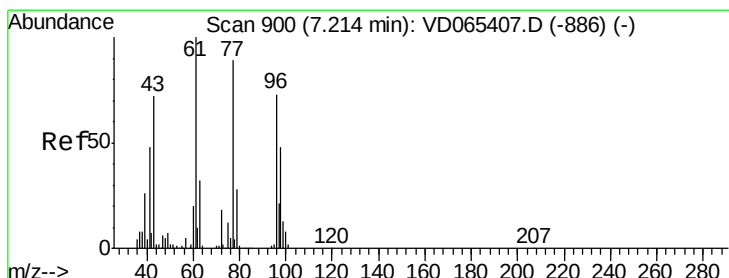
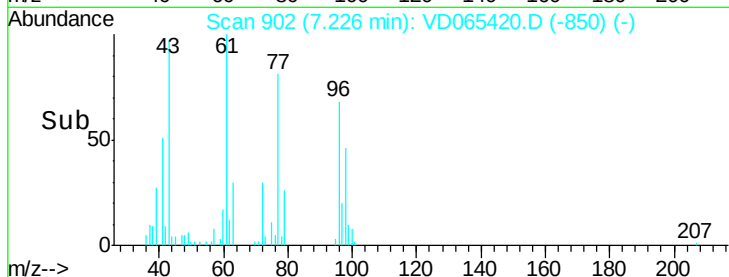
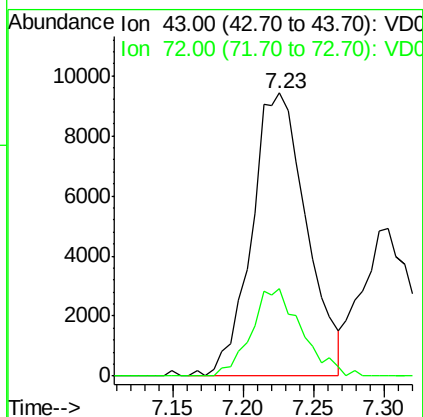
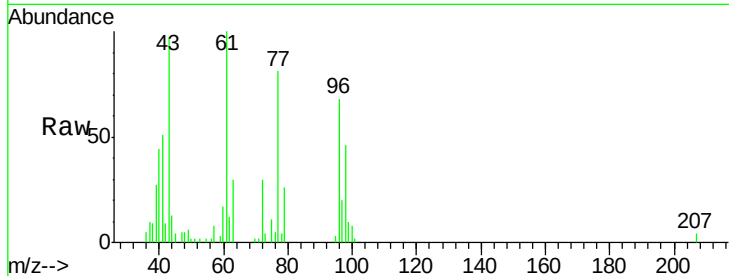
Ion Ratio Lower Upper

43 100

72 30.8 22.3 33.5

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#26

2,2-Dichloropropane

Concen: 5.315 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD065420.D

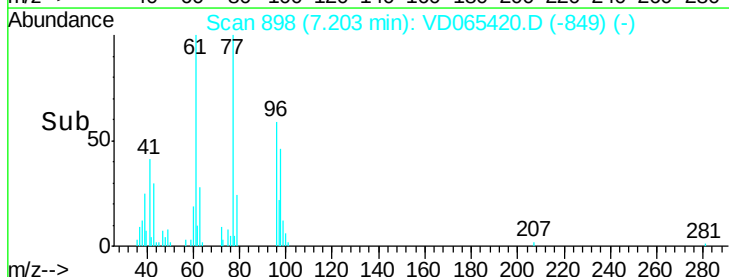
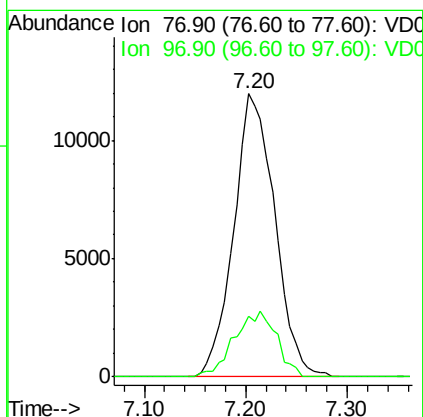
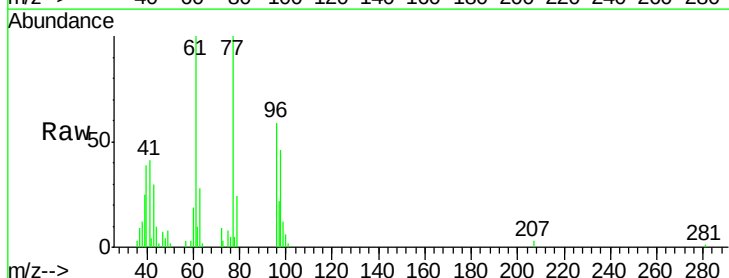
Acq: 04 Mar 2020 19:38

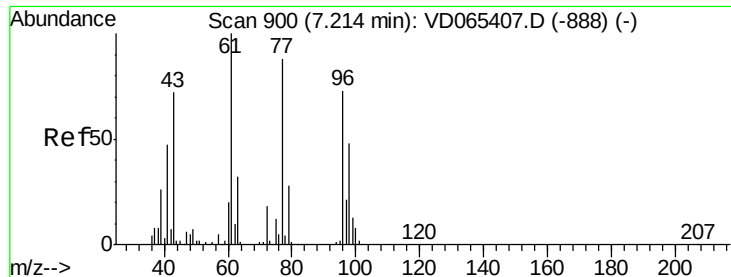
Tgt Ion: 77 Resp: 33658

Ion Ratio Lower Upper

77 100

97 23.8 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 5.591 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

Instrument :

MSVOA\_D

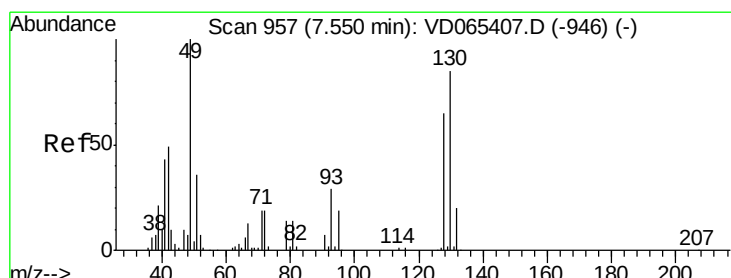
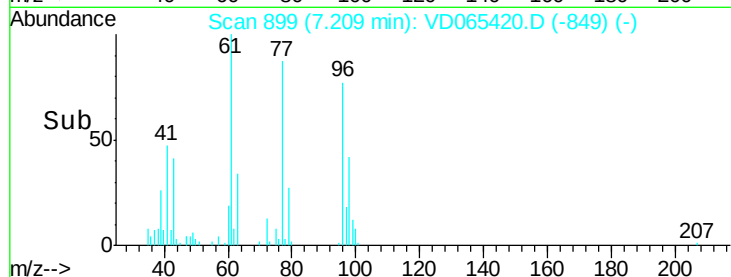
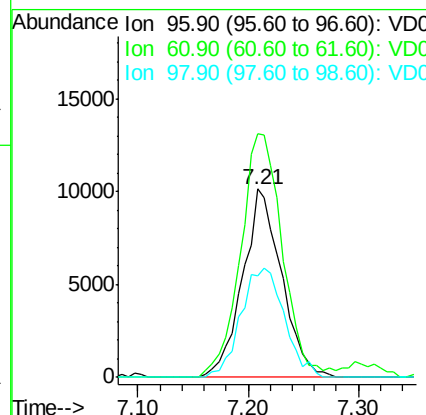
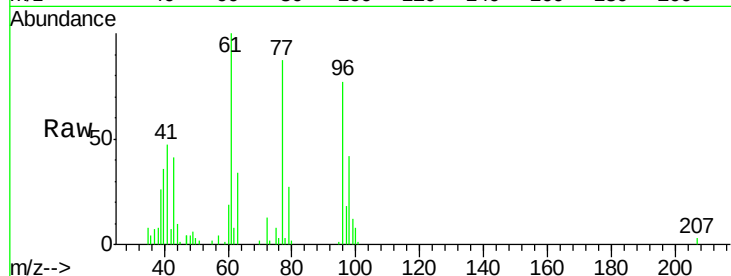
ClientSampleId :

VD0307

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 25152 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 139.0 | 0.0   | 280.4 |
| 98       | 64.4  | 0.0   | 132.6 |

Manual Integrations  
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#28

Bromochloromethane

Concen: 5.801 ug/l

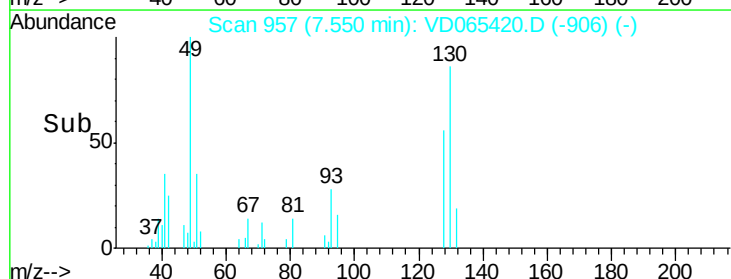
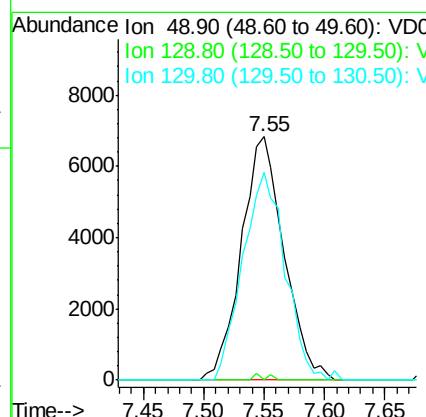
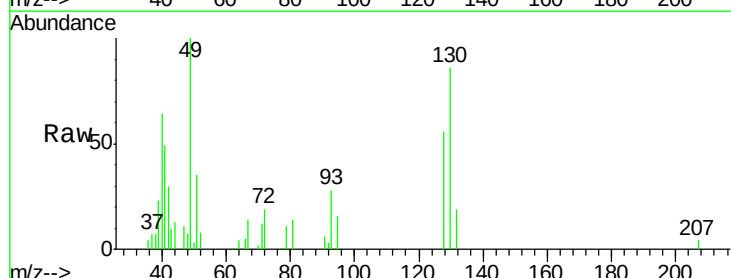
RT: 7.55 min Scan# 957

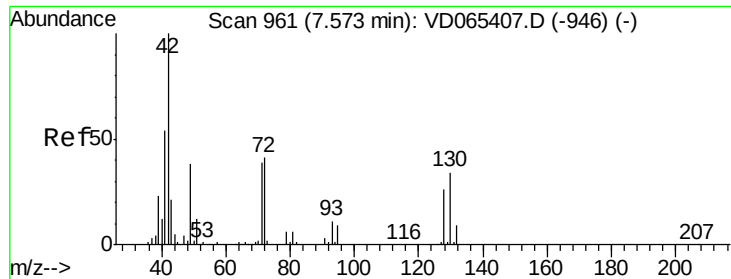
Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 16819 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 0.7   | 0.0   | 4.6   |
| 130      | 84.4  | 66.6  | 100.0 |





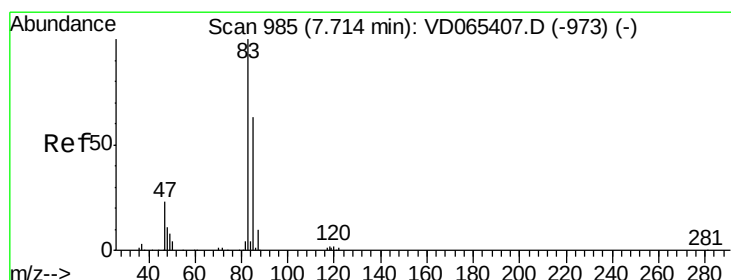
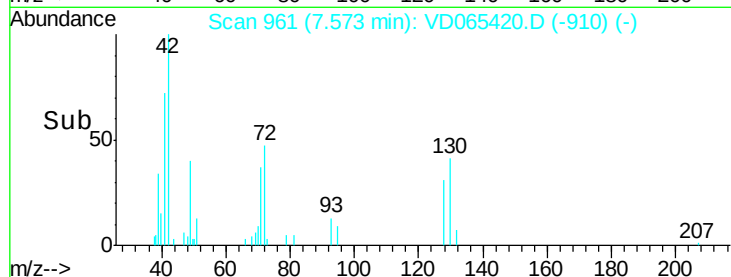
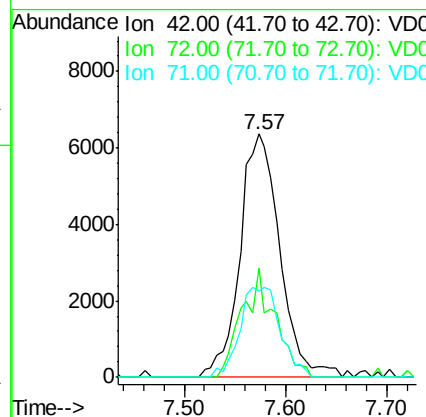
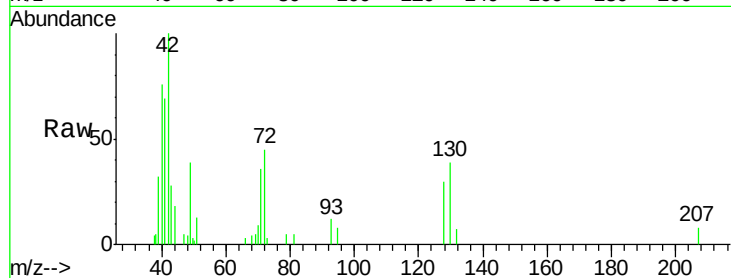
#29  
Tetrahydrofuran  
Concen: 27.031 ug/l  
RT: 7.57 min Scan# 961  
Delta R.T. 0.00 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0307

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 37.3  | 33.0  | 49.6  |
| 71      | 37.6  | 32.0  | 48.0  |

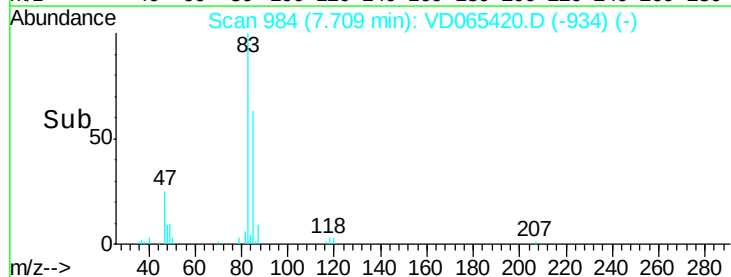
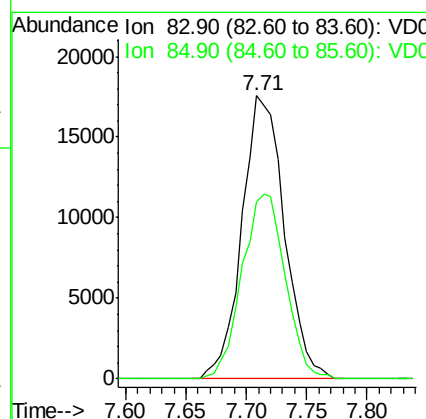
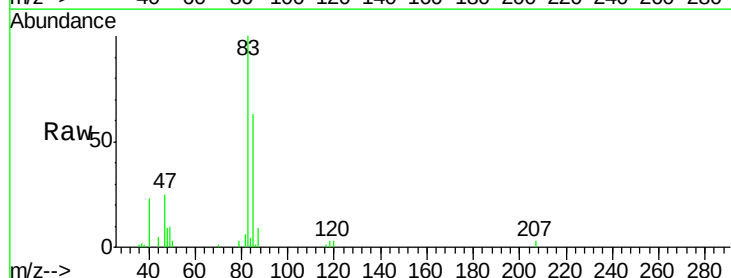
Manual Integrations  
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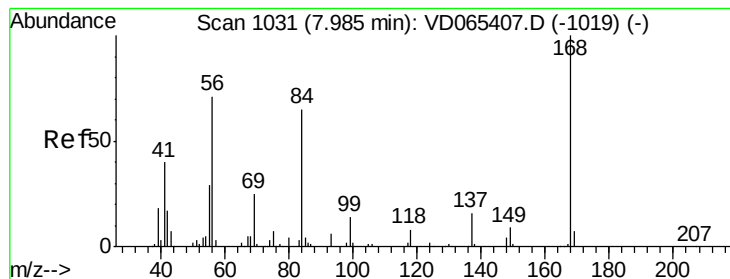
MMDadoda  
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#30  
Chloroform  
Concen: 5.930 ug/l  
RT: 7.71 min Scan# 984  
Delta R.T. -0.01 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 62.5  | 50.3  | 75.5  |





#31

Cyclohexane

Concen: 5.678 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

Instrument :

MSVOA\_D

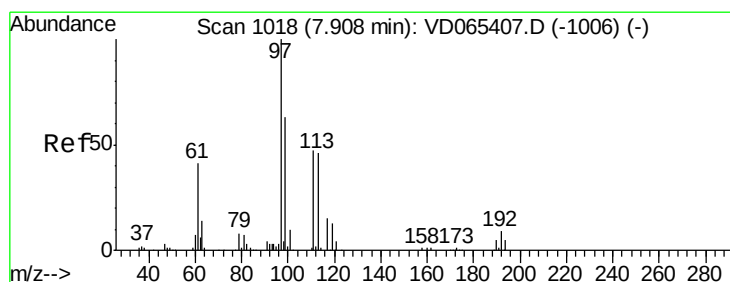
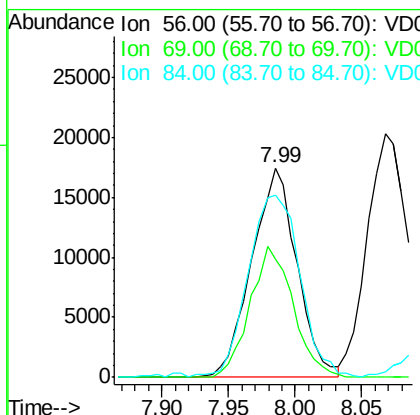
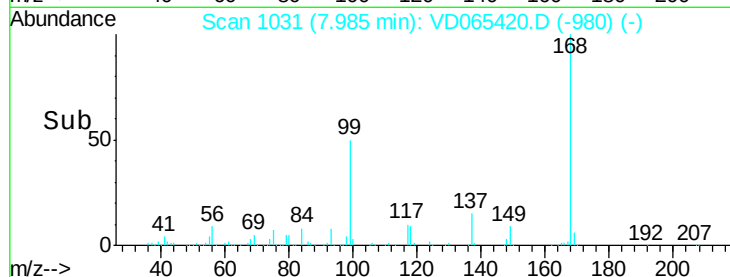
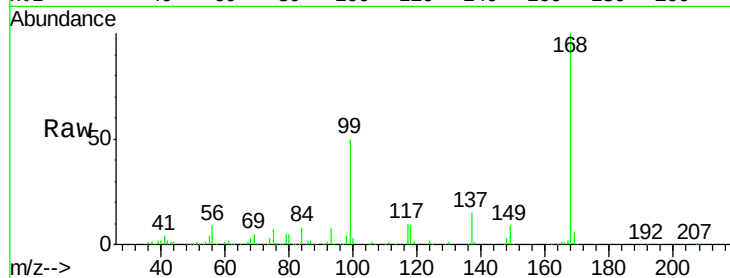
ClientSampled :

VD0307

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 56      | 100  |       | 41144 |       |       |
| 69      | 56.6 | 28.3  | 42.5# |       |       |
| 84      | 86.8 | 73.1  | 109.7 |       |       |

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#32

1,1,1-Trichloroethane

Concen: 5.563 ug/l

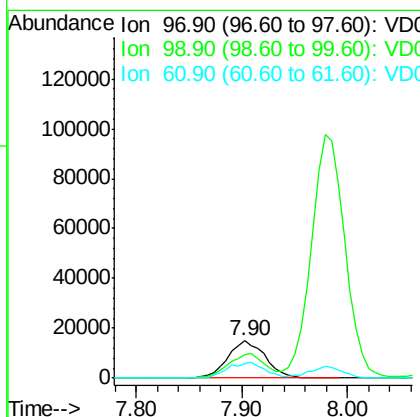
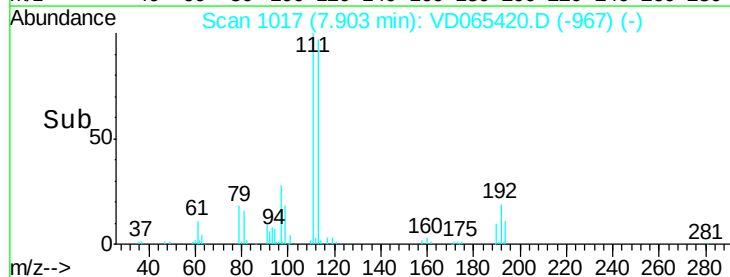
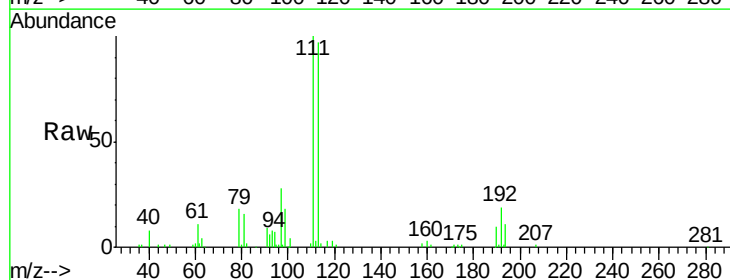
RT: 7.90 min Scan# 1017

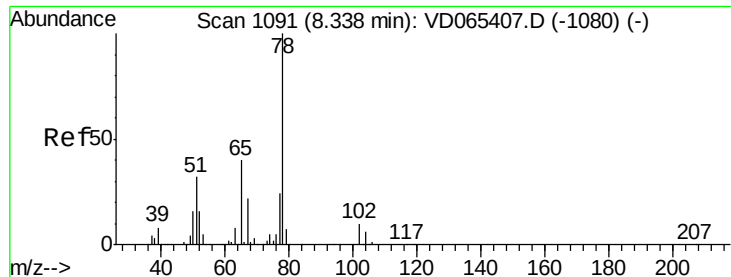
Delta R.T. -0.01 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 97      | 100  |       | 37237 |       |       |
| 99      | 62.4 | 50.9  | 76.3  |       |       |
| 61      | 41.0 | 33.2  | 49.8  |       |       |





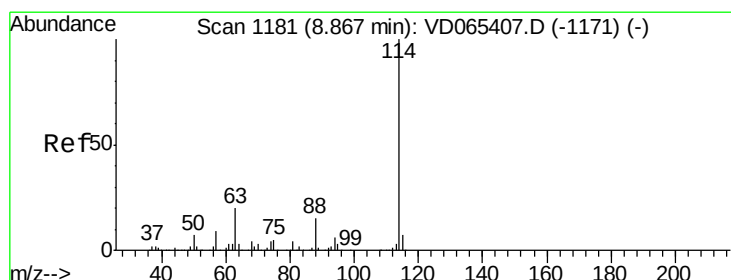
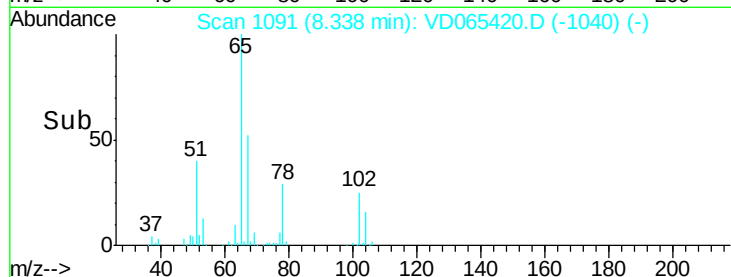
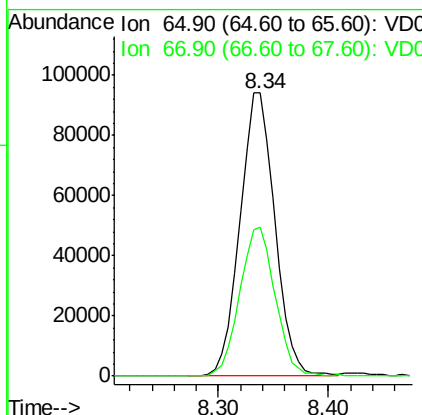
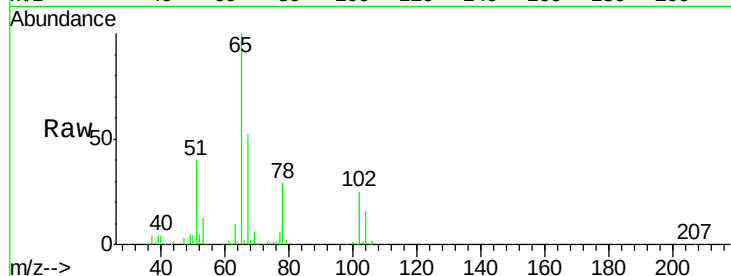
#33  
 1,2-Dichloroethane-d4  
 Concen: 57.459 ug/l  
 RT: 8.34 min Scan# 1091  
 Delta R.T. 0.00 min  
 Lab File: VD065420.D  
 Acq: 04 Mar 2020 19:38

Instrument :  
 MSVOA\_D  
 ClientSampled :  
 VD0307

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 209664 |       |       |
| 67      | 53.3  | 0.0    | 108.0 |       |

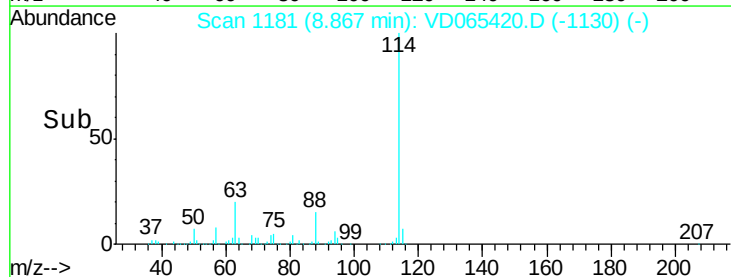
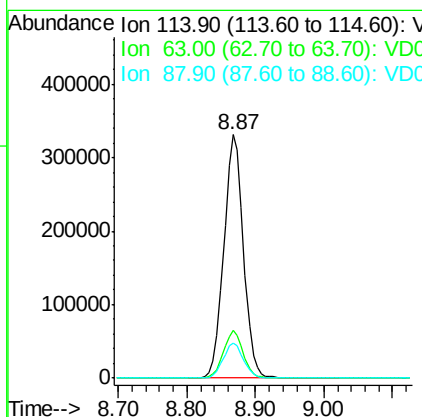
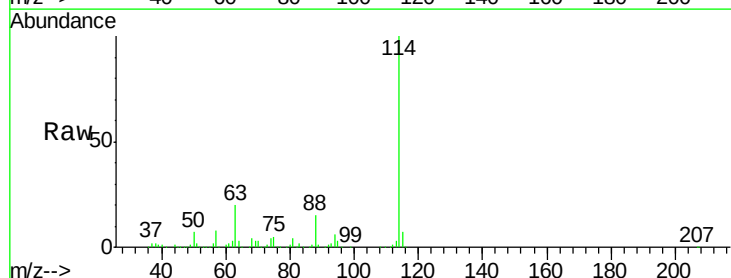
Manual Integrations  
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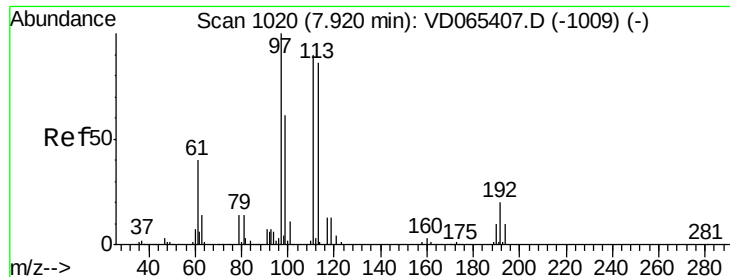
MMDadoda  
 3/5/2020 1:39:19 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. 0.00 min  
 Lab File: VD065420.D  
 Acq: 04 Mar 2020 19:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 658053 |       |       |
| 63      | 19.8  | 0.0    | 39.6  |       |
| 88      | 14.6  | 0.0    | 30.4  |       |





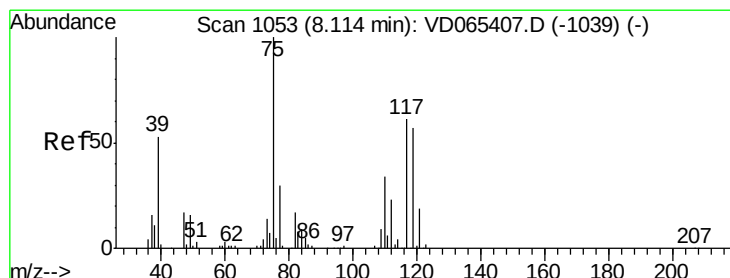
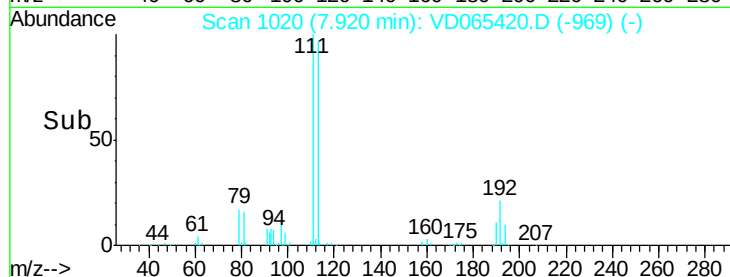
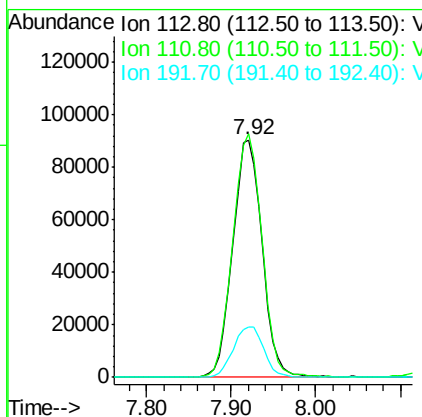
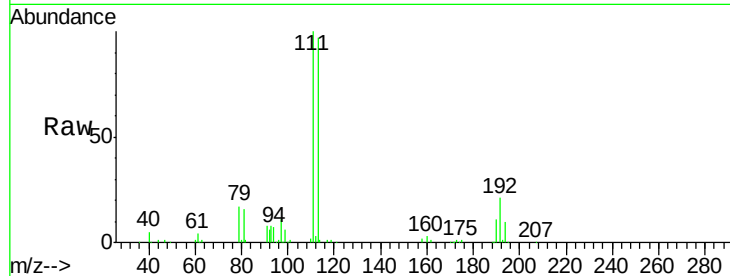
#35  
Dibromofluoromethane  
Concen: 53.214 ug/l  
RT: 7.92 min Scan# 1020  
Delta R.T. 0.00 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0307

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 216550 |       |       |
| 111     | 102.8 | 82.1   | 123.1 |       |
| 192     | 22.2  | 17.2   | 25.8  |       |

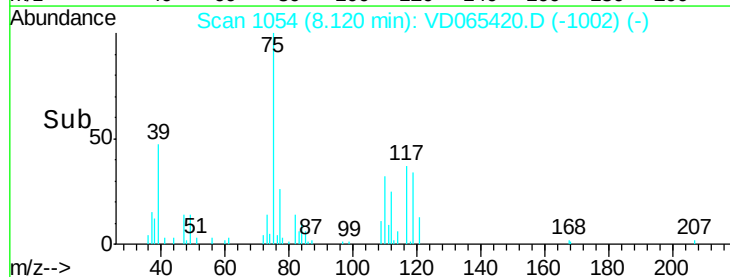
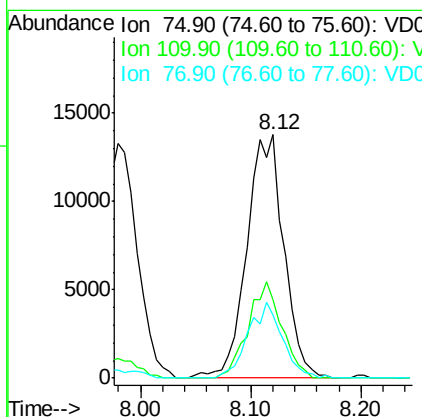
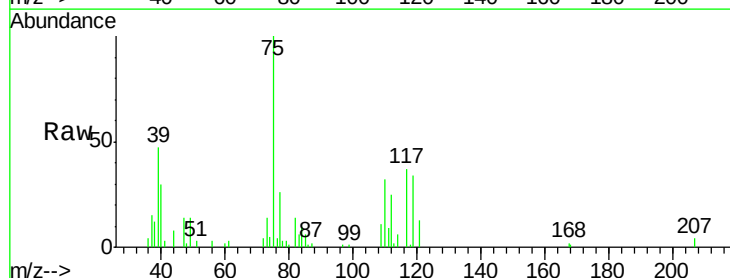
Manual Integrations  
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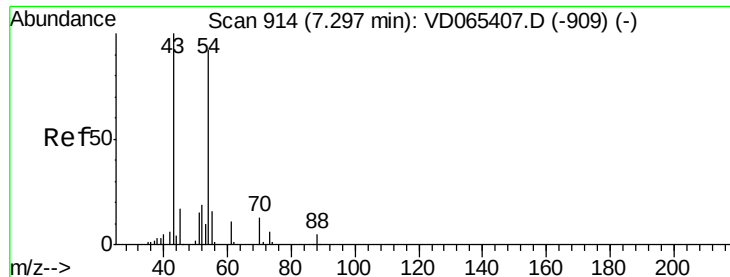
MMDadoda  
3/5/2020 1:39:19 PM



#36  
1,1-Dichloropropene  
Concen: 5.147 ug/l  
RT: 8.12 min Scan# 1054  
Delta R.T. 0.01 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 32464 |       |       |
| 110     | 36.0  | 18.1  | 54.1  |       |
| 77      | 28.9  | 25.2  | 37.8  |       |





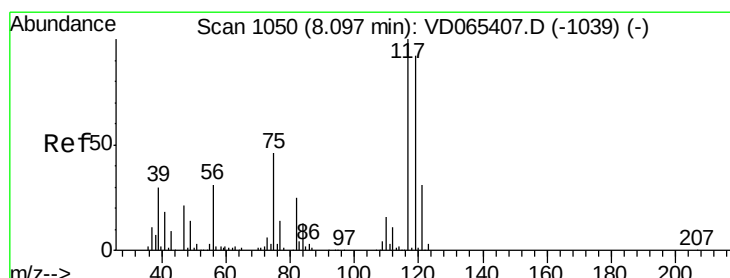
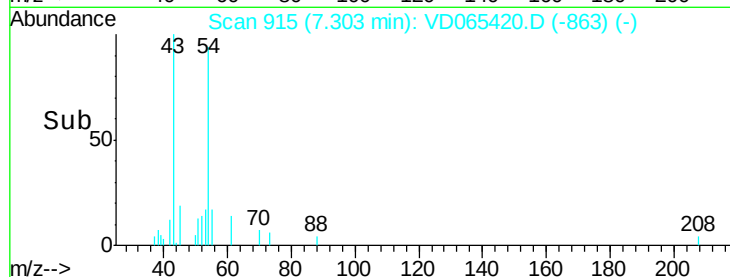
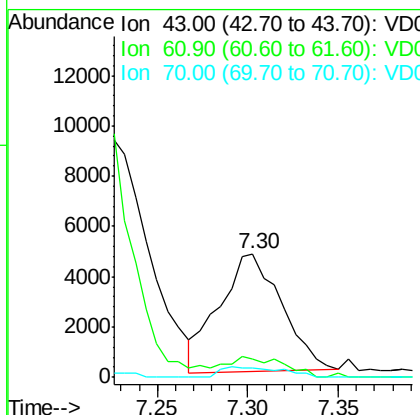
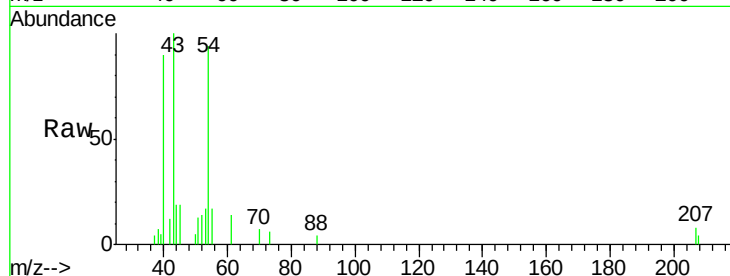
#37  
Ethyl Acetate  
Concen: 4.611 ug/l  
RT: 7.30 min Scan# 915  
Delta R.T. 0.01 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0307

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.6  | 11.4  | 17.0  |
| 70      | 8.6   | 9.0   | 13.4  |

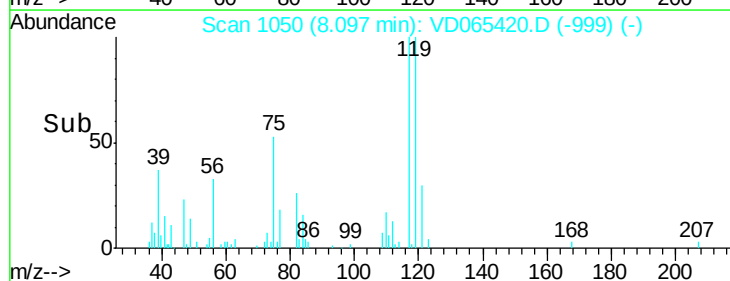
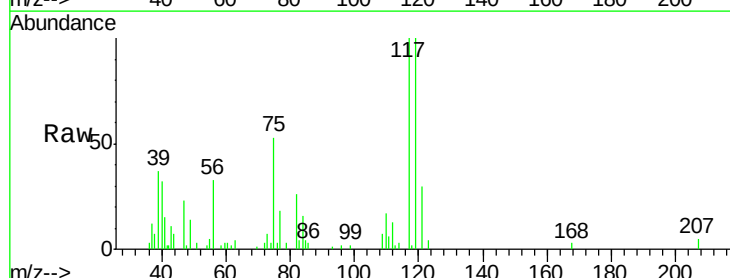
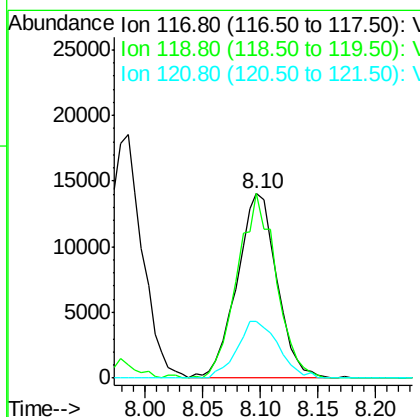
Manual Integrations  
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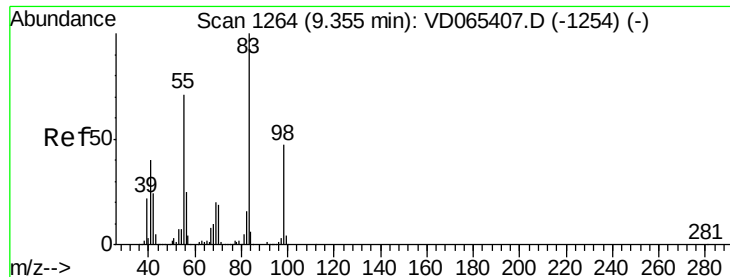
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#38  
Carbon Tetrachloride  
Concen: 5.172 ug/l  
RT: 8.10 min Scan# 1050  
Delta R.T. 0.00 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 100.5 | 73.3  | 109.9 |
| 121     | 30.6  | 25.0  | 37.4  |





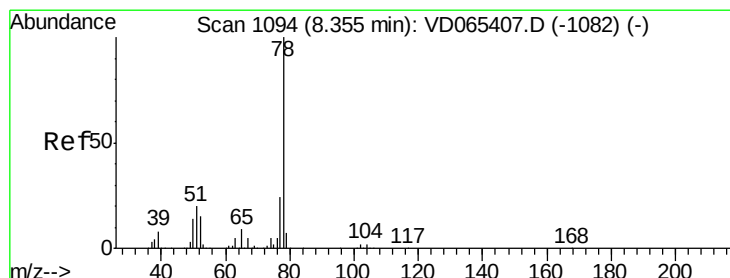
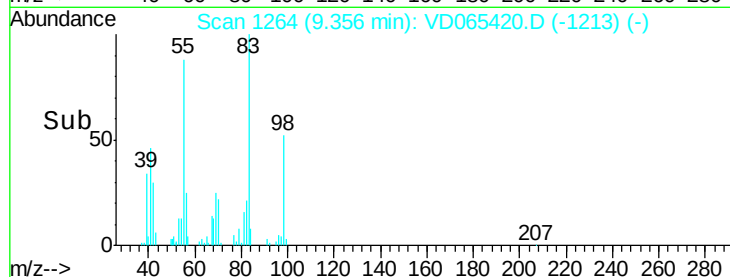
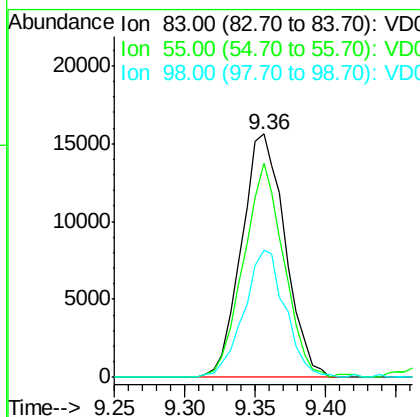
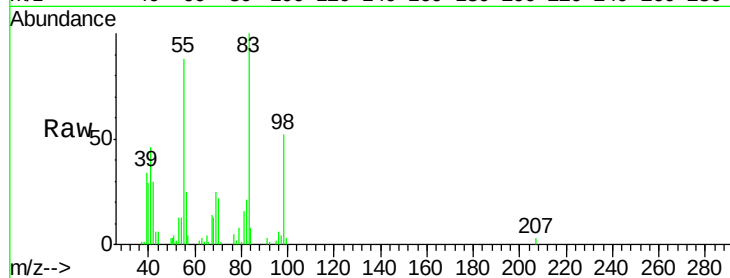
#39  
Methylvlcyclohexane  
Concen: 4.436 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. 0.00 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0307

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 88.1  | 57.1  | 85.7# |
| 98      | 52.3  | 37.8  | 56.8  |

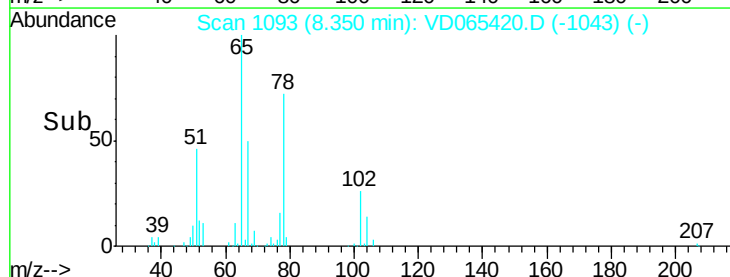
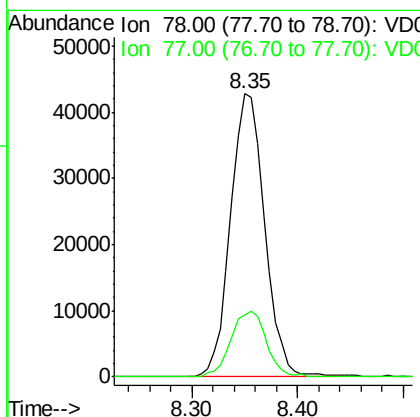
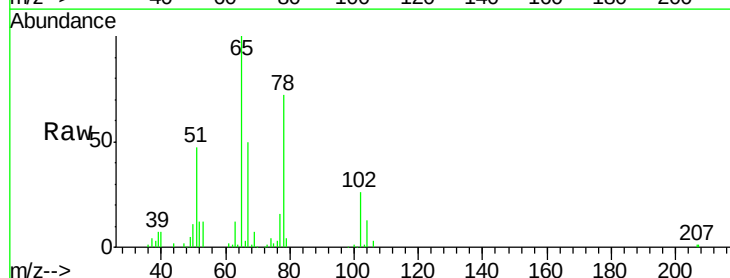
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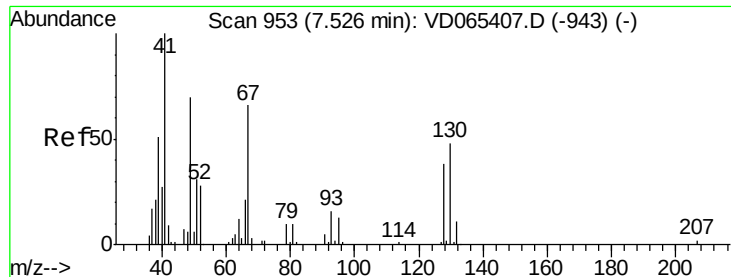


#40  
Benzene  
Concen: 5.434 ug/l  
RT: 8.35 min Scan# 1093  
Delta R.T. -0.01 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 21.9  | 19.4  | 29.0  |







#41

Methacrylonitrile

Concen: 4.663 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

Instrument :

MSVOA\_D

ClientSampleId :

VD0307

Tot Ion: 41 Resp: 6012

Ion Ratio Lower Upper

41 100

39 59.8 55.0 82.6

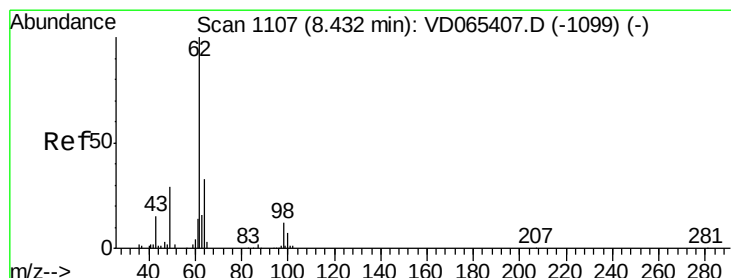
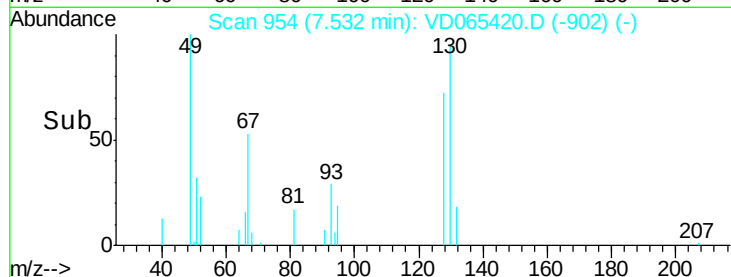
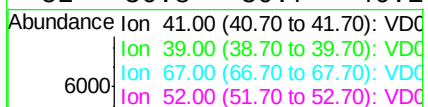
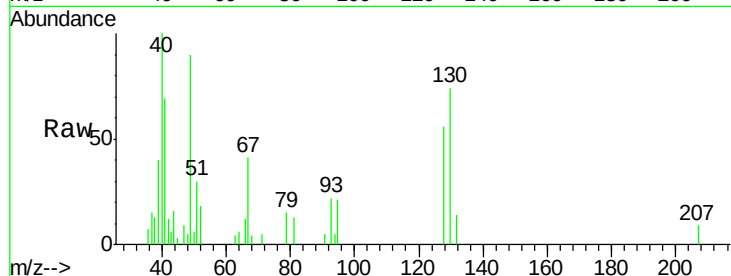
67 82.9 70.3 105.5

52 36.8 30.7 46.1

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#42

1,2-Dichloroethane

Concen: 5.894 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065420.D

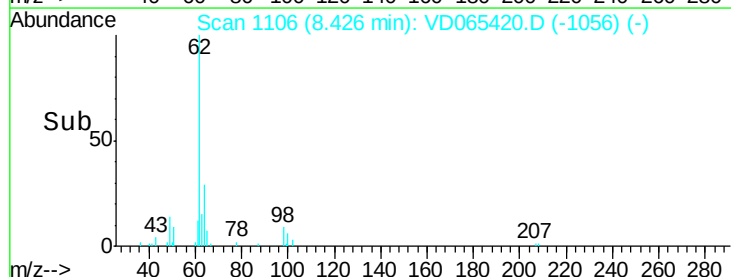
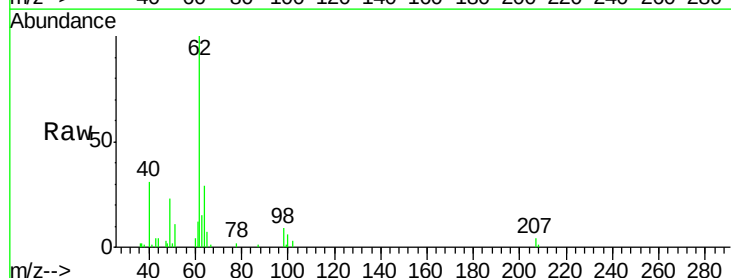
Acq: 04 Mar 2020 19:38

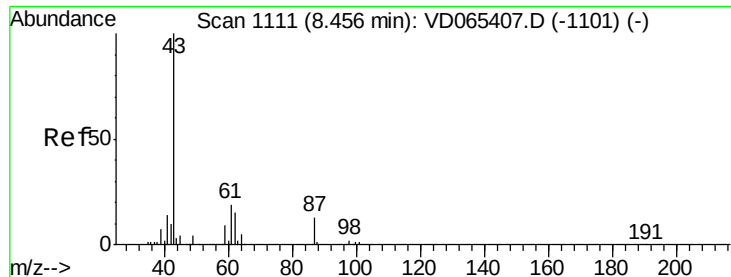
Tgt Ion: 62 Resp: 27144

Ion Ratio Lower Upper

62 100

98 11.5 0.0 21.4





#43

Isopropyl Acetate

Concen: 5.371 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

Instrument :

MSVOA\_D

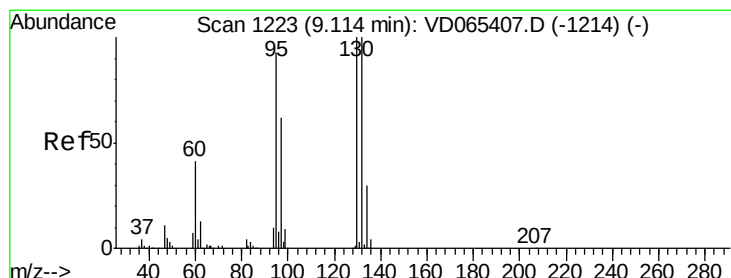
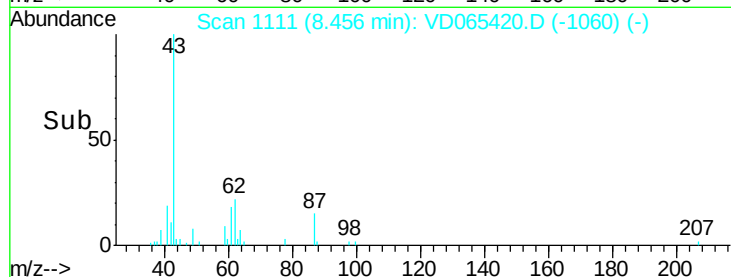
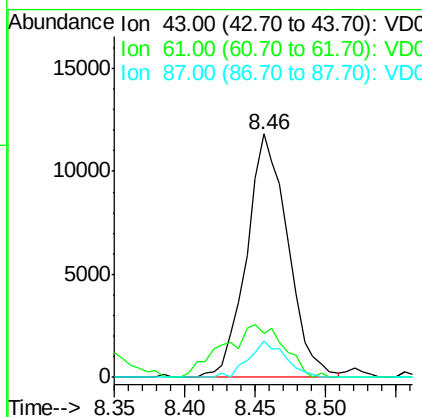
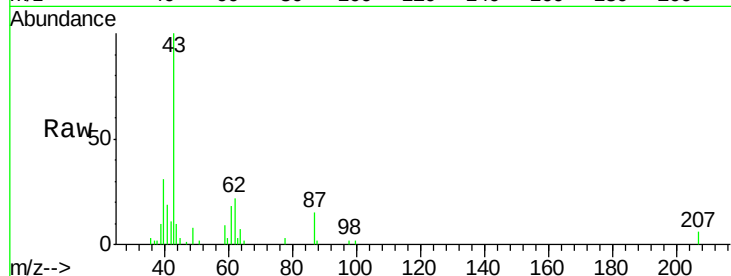
ClientSampleId :

VD0307

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 24177 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 31.6  | 25.0  | 37.6  |
| 87       | 13.2  | 11.0  | 16.4  |

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#44

Trichloroethene

Concen: 5.205 ug/l

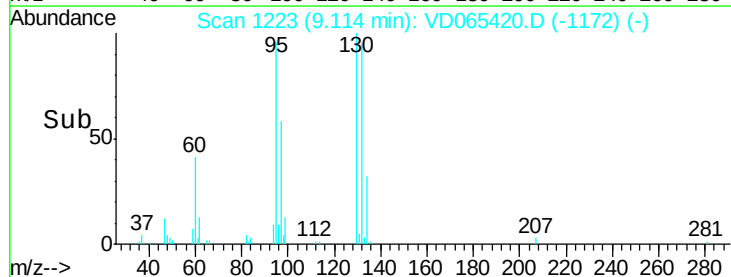
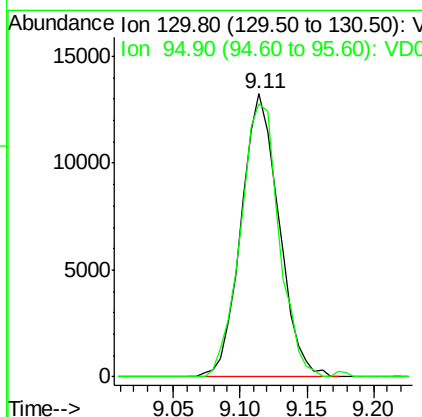
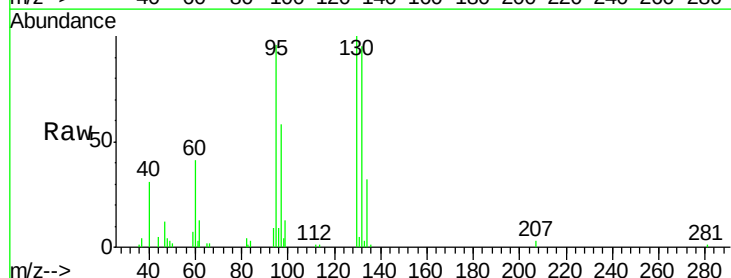
RT: 9.11 min Scan# 1223

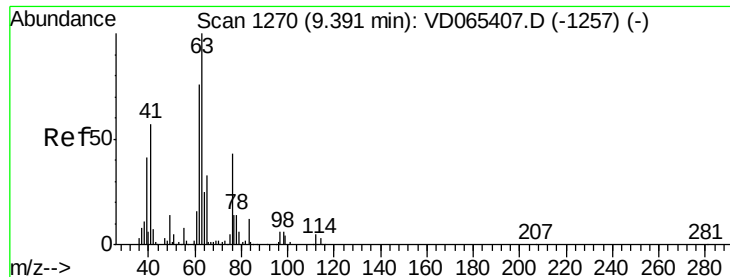
Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 25925 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 96.4  | 0.0   | 186.0 |





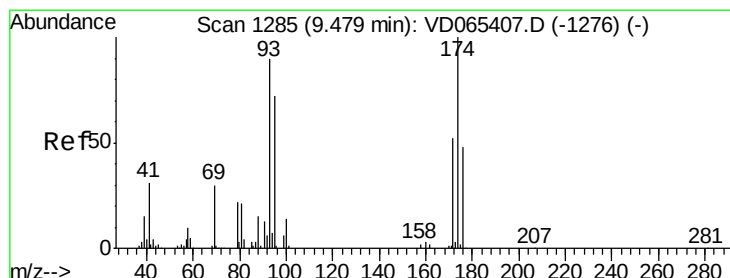
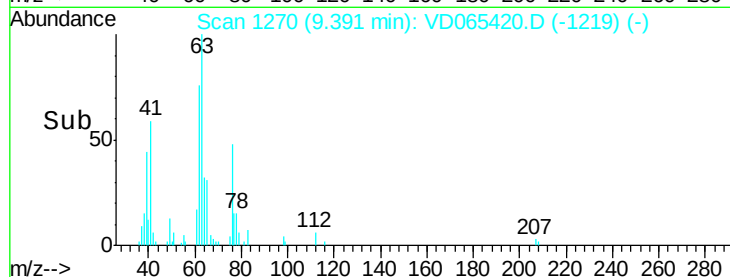
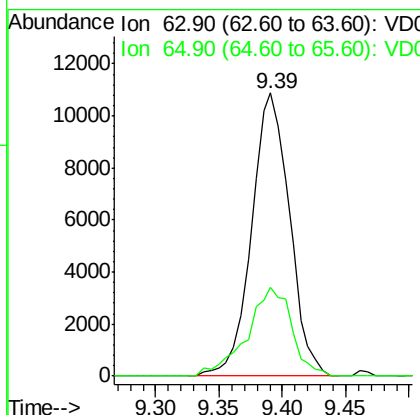
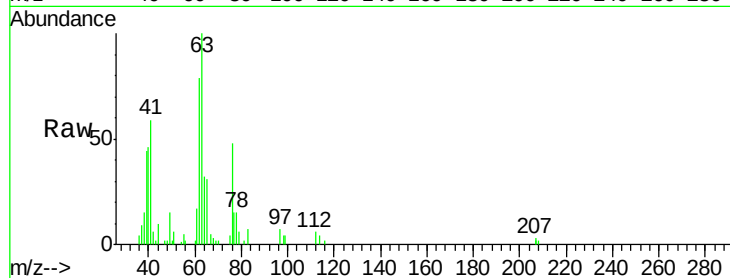
#45  
 1,2-Dichloropropane  
 Concen: 5.311 ug/l  
 RT: 9.39 min Scan# 1270  
 Delta R.T. 0.00 min  
 Lab File: VD065420.D  
 Acq: 04 Mar 2020 19:38

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0307

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.4  | 26.4  | 39.6  |

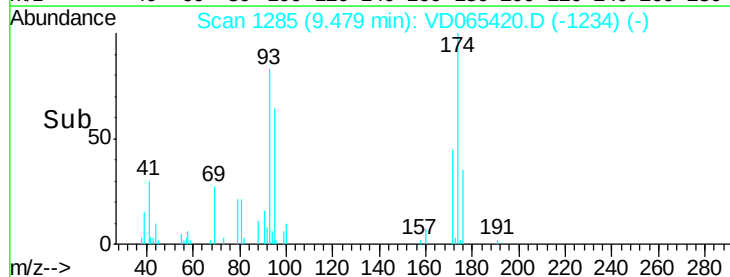
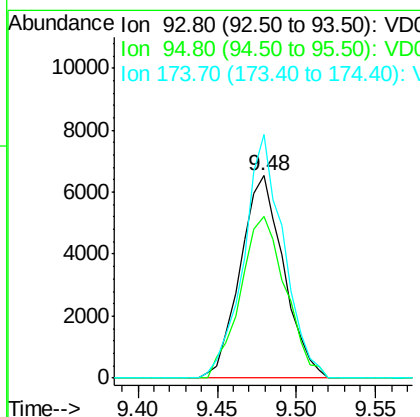
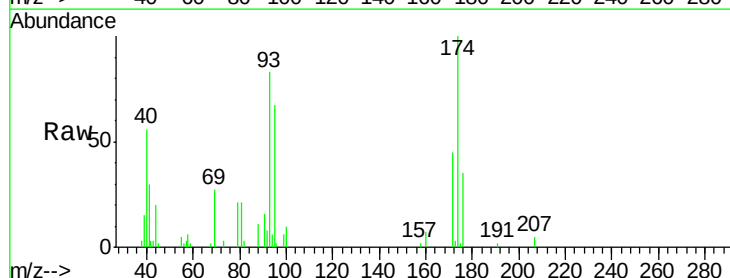
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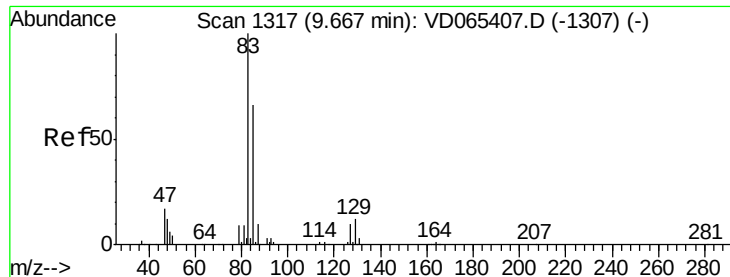
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#46  
 Dibromomethane  
 Concen: 5.605 ug/l  
 RT: 9.48 min Scan# 1285  
 Delta R.T. 0.00 min  
 Lab File: VD065420.D  
 Acq: 04 Mar 2020 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 83.7  | 65.0  | 97.6  |
| 174     | 110.4 | 88.3  | 132.5 |





#47

Bromodichloromethane

Concen: 5.476 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

Instrument :

MSVOA\_D

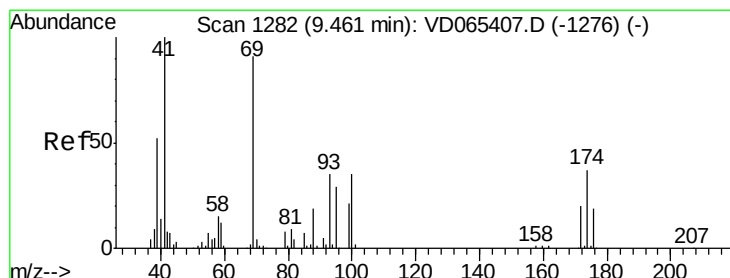
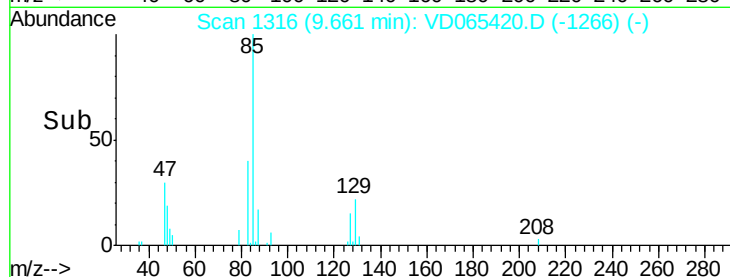
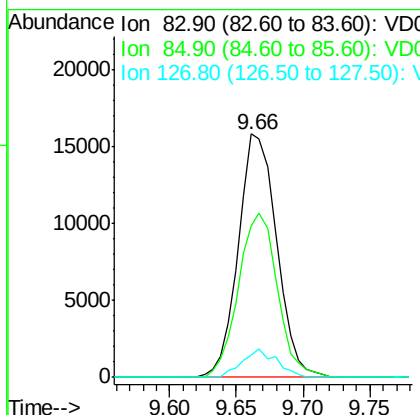
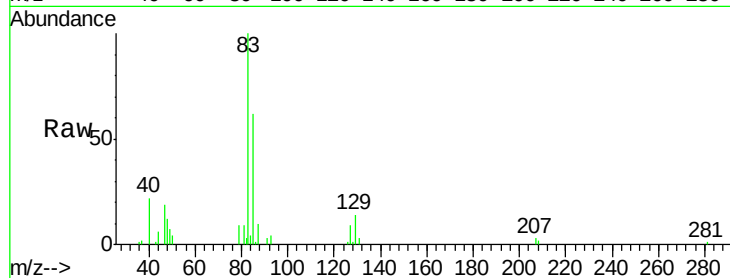
ClientSampleId :

VD0307

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 31567 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 62.0  | 52.8  | 79.2  |
| 127      | 9.3   | 8.0   | 12.0  |

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#48

Methyl methacrylate

Concen: 5.125 ug/l

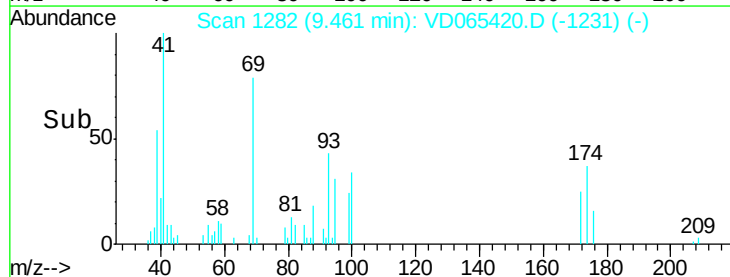
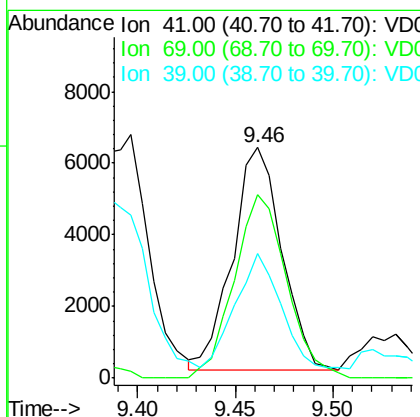
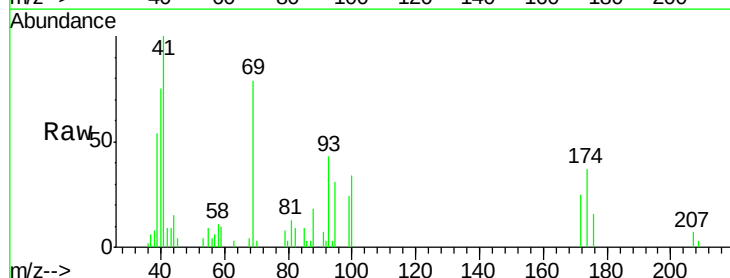
RT: 9.46 min Scan# 1282

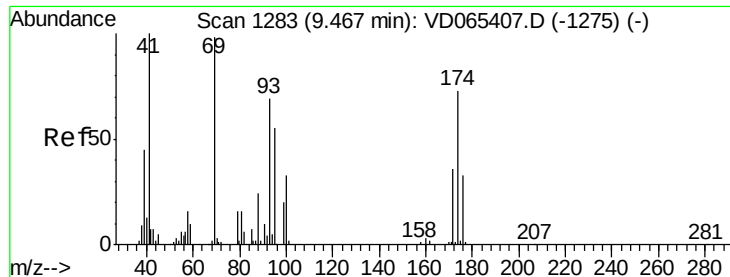
Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 10852 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 87.9  | 72.5  | 108.7 |
| 39       | 56.6  | 41.6  | 62.4  |





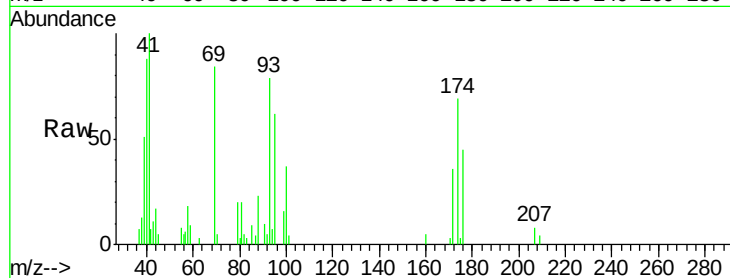
#49  
1,4-Dioxane  
Concen: 103.008 ug/l  
RT: 9.47 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0307

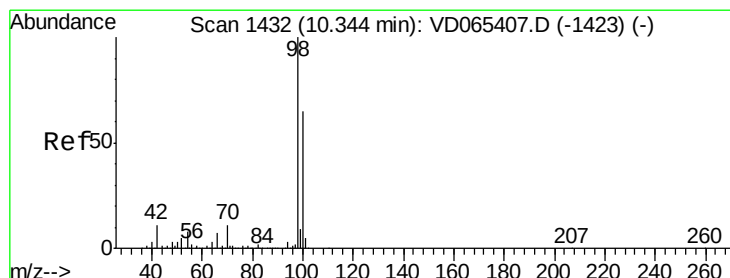
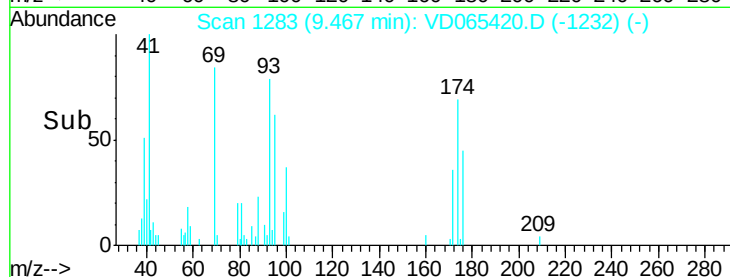
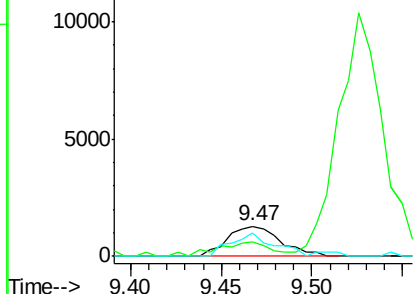
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 48.1  | 24.5  | 36.7# |
| 58      | 62.3  | 54.5  | 81.7  |

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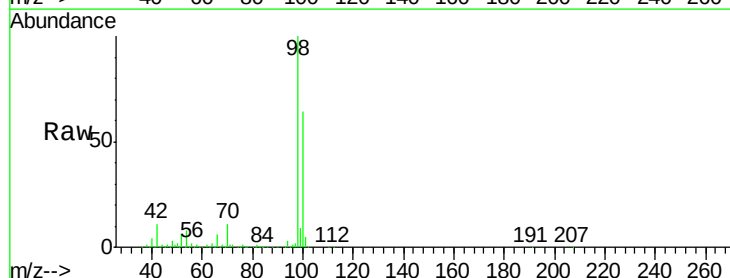


Abundance Ion 88.00 (87.70 to 88.70): VDC  
Ion 43.00 (42.70 to 43.70): VDC  
Ion 58.00 (57.70 to 58.70): VDC

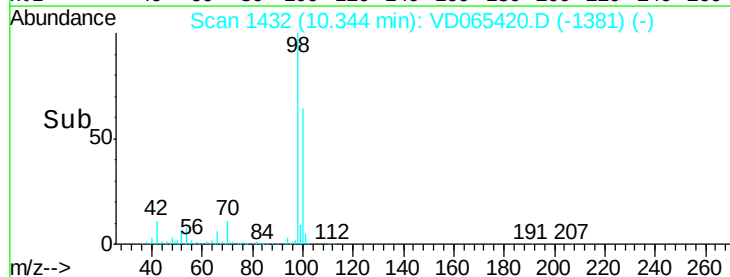
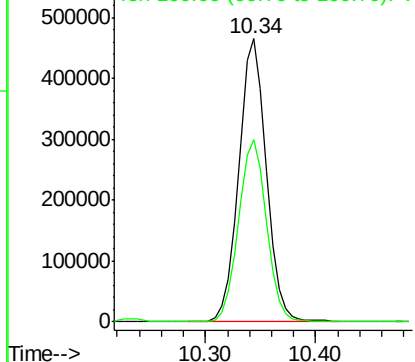


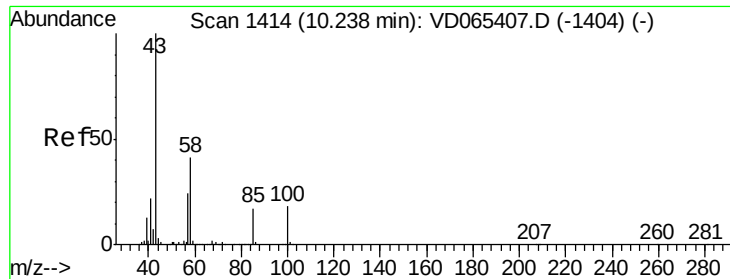
#50  
Toluene-d8  
Concen: 52.390 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. 0.00 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.8  | 52.8  | 79.2  |



Abundance Ion 98.00 (97.70 to 98.70): VDC  
Ion 100.00 (99.70 to 100.70): VDC





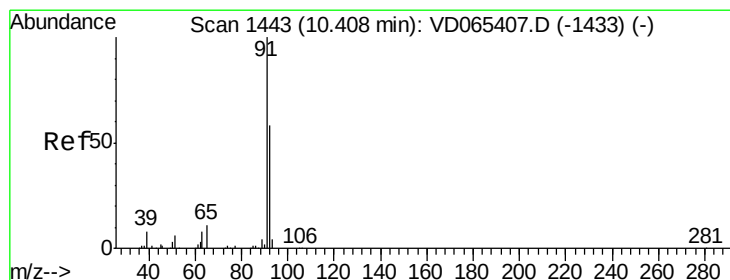
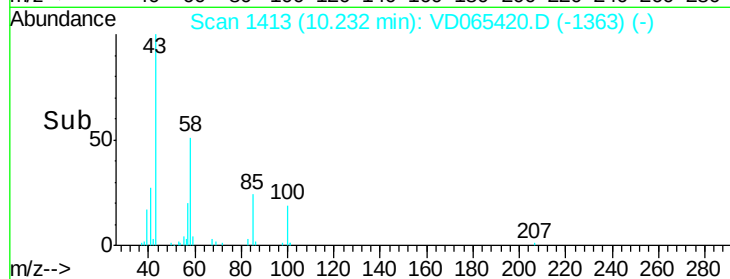
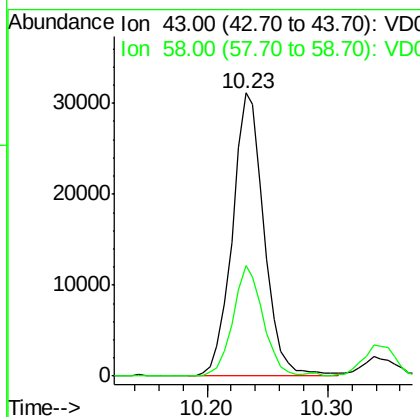
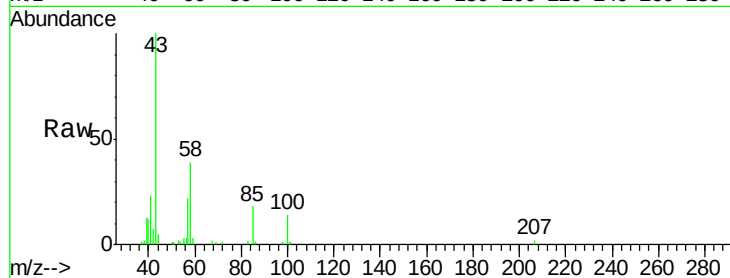
#51  
4-Methyl-2-Pentanone  
Concen: 25.096 ug/l  
RT: 10.23 min Scan# 1413  
Delta R.T. -0.01 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0307

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 37.3  | 31.8  | 47.6  |

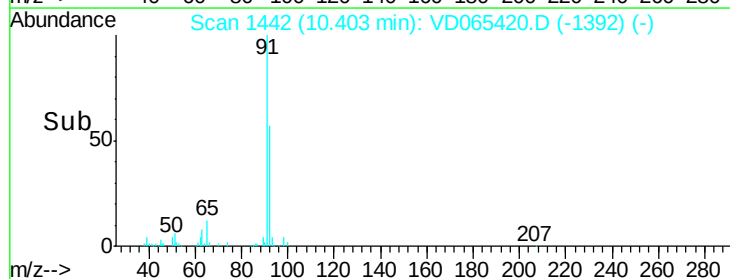
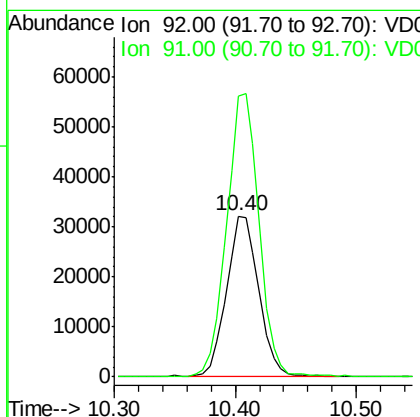
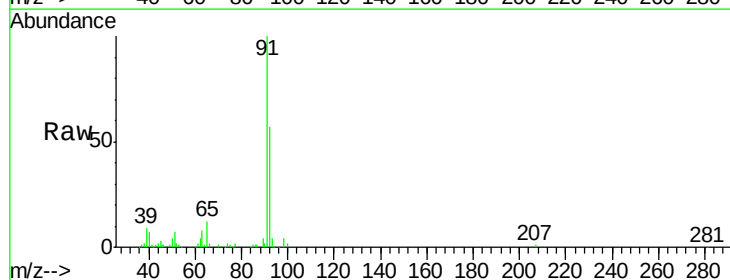
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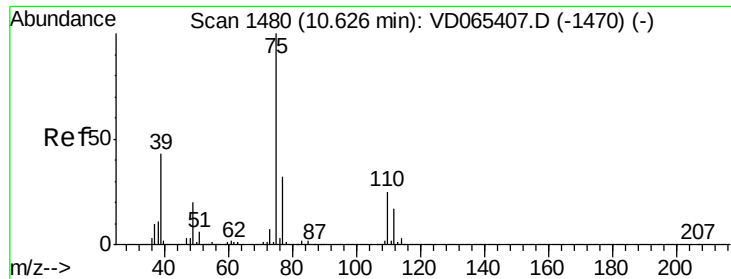
MMDadoda  
3/5/2020 1:39:19 PM



#52  
Toluene  
Concen: 5.367 ug/l  
RT: 10.40 min Scan# 1442  
Delta R.T. -0.01 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 177.5 | 137.8 | 206.8 |





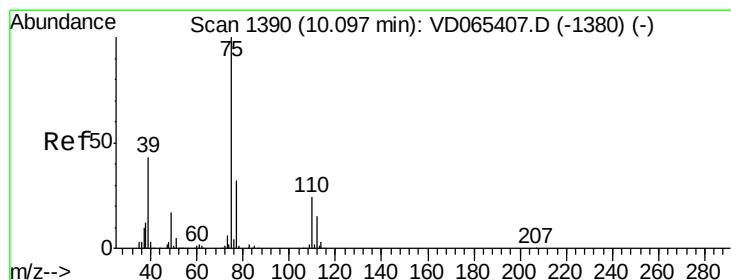
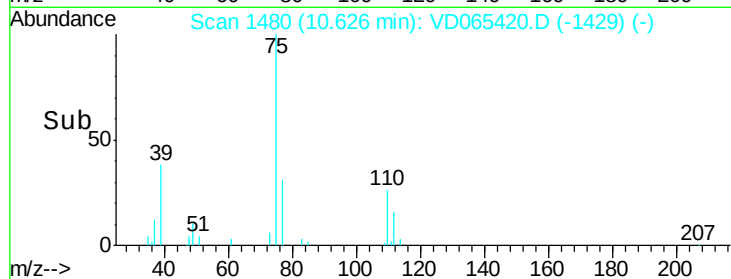
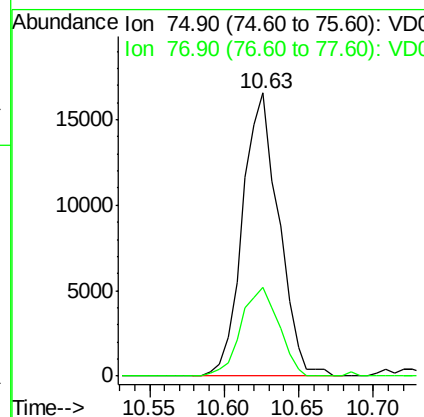
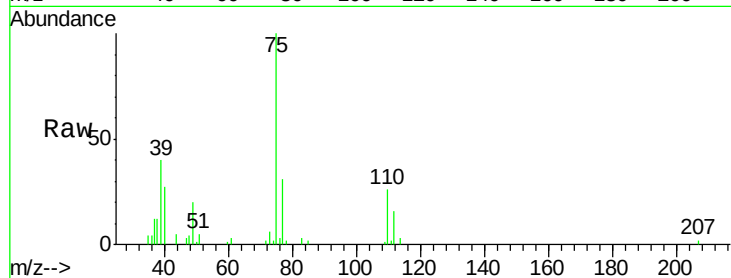
#53  
t-1,3-Dichloropropene  
Concen: 5.179 ug/l  
RT: 10.63 min Scan# 1480  
Delta R.T. 0.00 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0307

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.2  | 25.4  | 38.2  |

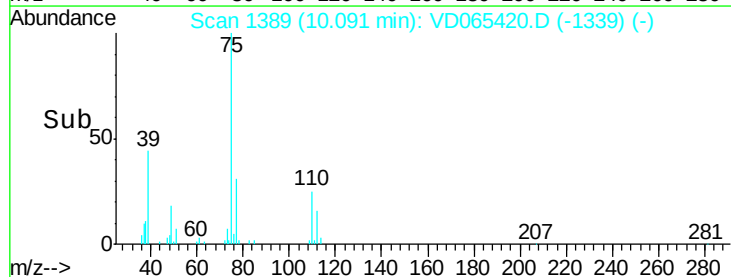
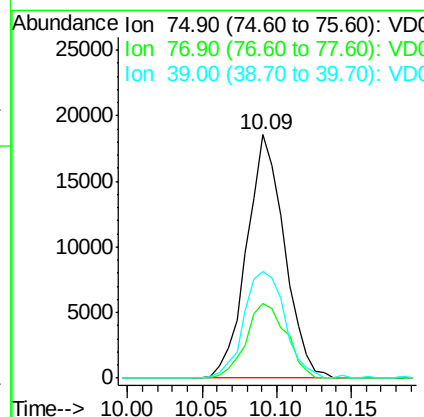
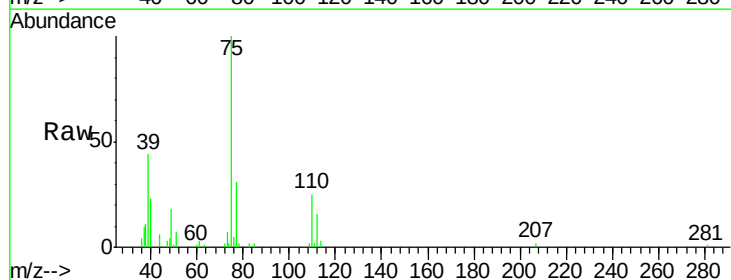
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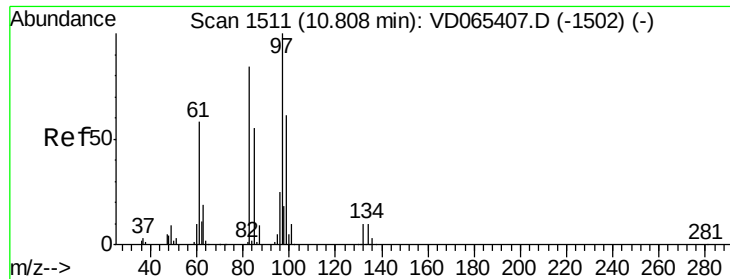
MMDadoda  
3/5/2020 1:39:19 PM



#54  
cis-1,3-Dichloropropene  
Concen: 4.979 ug/l  
RT: 10.09 min Scan# 1389  
Delta R.T. -0.01 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.7  | 25.3  | 37.9  |
| 39      | 43.9  | 34.6  | 52.0  |





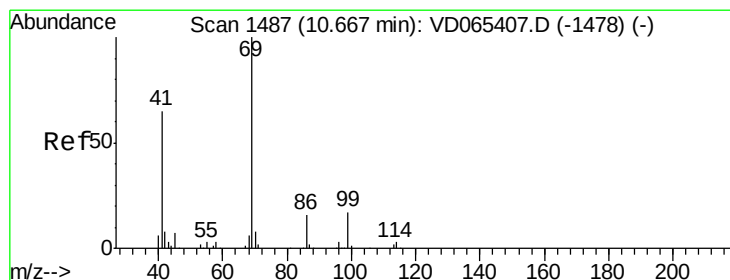
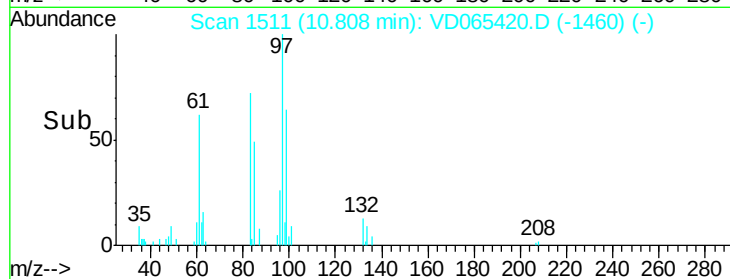
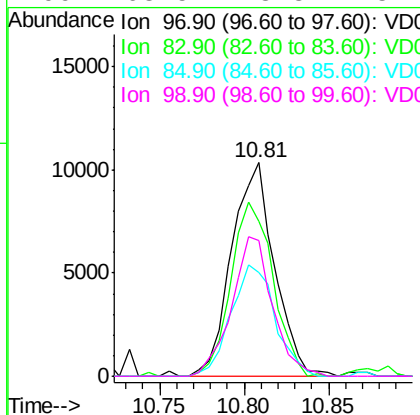
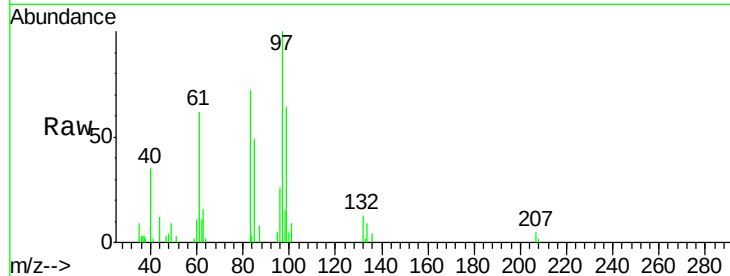
#55  
 1,1,2-Trichloroethane  
 Concen: 5.829 ug/l  
 RT: 10.81 min Scan# 1511  
 Delta R.T. 0.00 min  
 Lab File: VD065420.D  
 Acq: 04 Mar 2020 19:38

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0307

| Tot Ion | 97    | Resp  | 18295 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 97      | 100   |       |       |
| 83      | 72.5  | 67.4  | 101.0 |
| 85      | 48.6  | 43.8  | 65.8  |
| 99      | 63.5  | 48.8  | 73.2  |

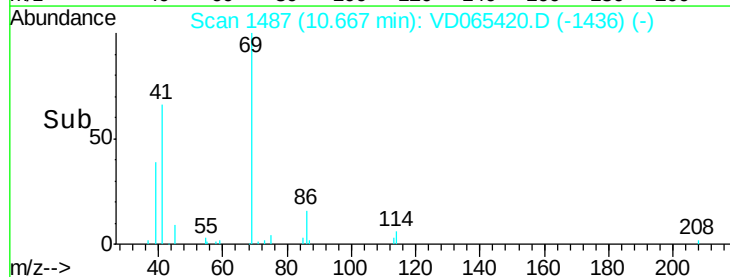
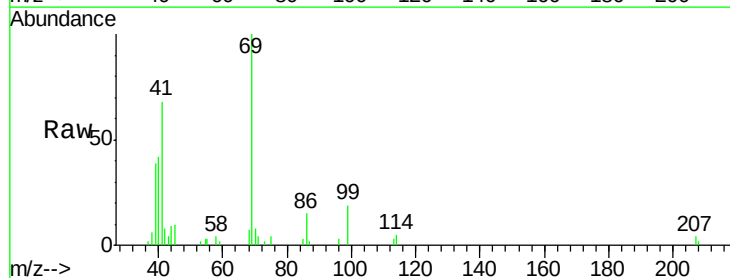
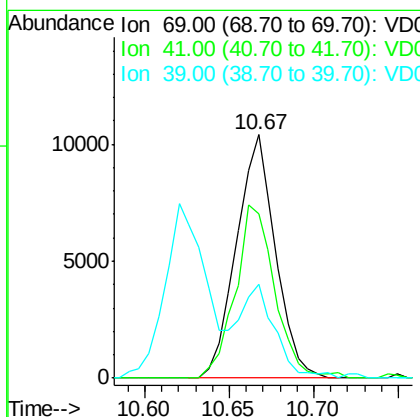
Manual Integrations  
 APPROVED

MMDadoda  
 3/5/2020 1:39:19 PM

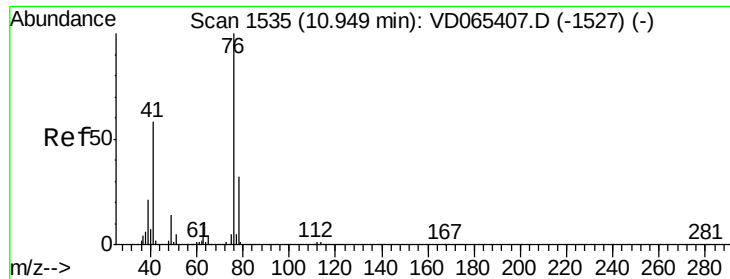


#56  
 Ethyl methacrylate  
 Concen: 4.733 ug/l  
 RT: 10.67 min Scan# 1487  
 Delta R.T. 0.00 min  
 Lab File: VD065420.D  
 Acq: 04 Mar 2020 19:38

| Tgt Ion | 69    | Resp  | 16746 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 69      | 100   |       |       |
| 41      | 72.0  | 53.0  | 79.6  |
| 39      | 34.1  | 26.0  | 39.0  |







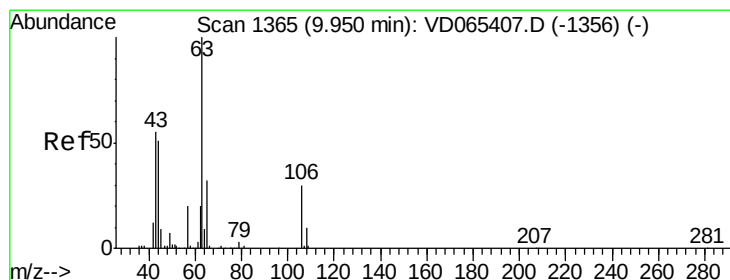
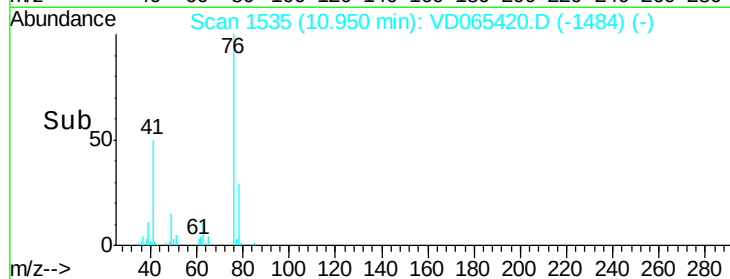
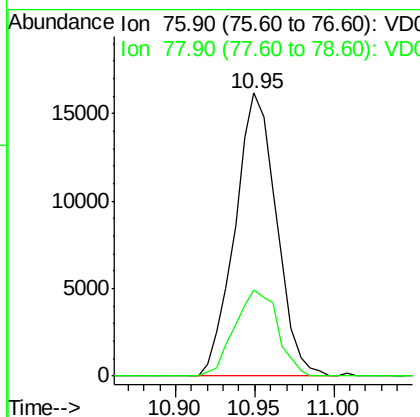
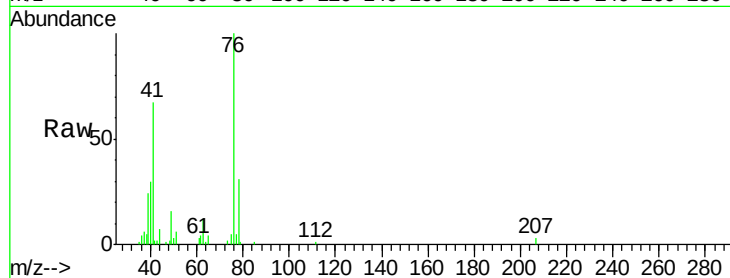
#57  
 1,3-Dichloropropane  
 Concen: 5.541 ug/l  
 RT: 10.95 min Scan# 1535  
 Delta R.T. 0.00 min  
 Lab File: VD065420.D  
 Acq: 04 Mar 2020 19:38

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0307

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 31.5  | 26.0  | 39.0  |

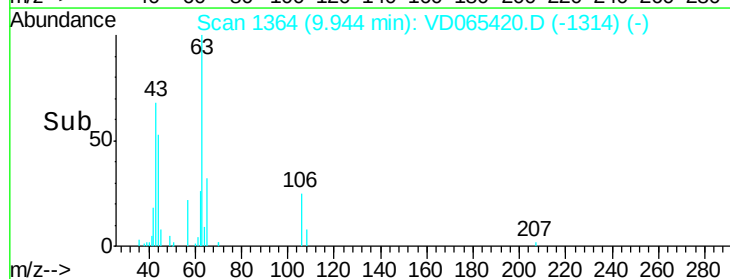
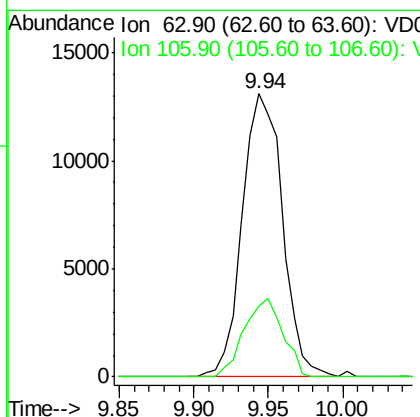
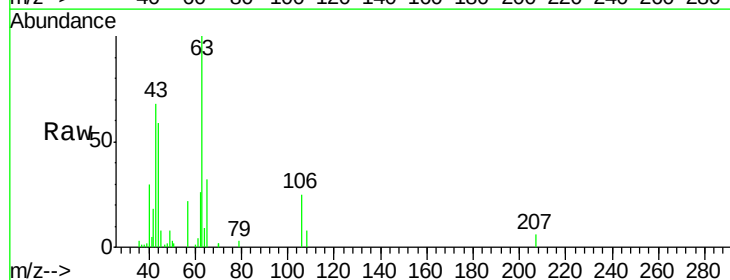
Manual Integrations  
 APPROVED

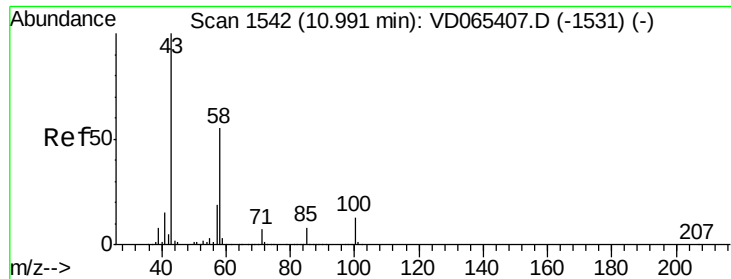
MMDadoda  
 3/5/2020 1:39:19 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 21.375 ug/l  
 RT: 9.94 min Scan# 1364  
 Delta R.T. -0.01 min  
 Lab File: VD065420.D  
 Acq: 04 Mar 2020 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 26.8  | 23.3  | 34.9  |





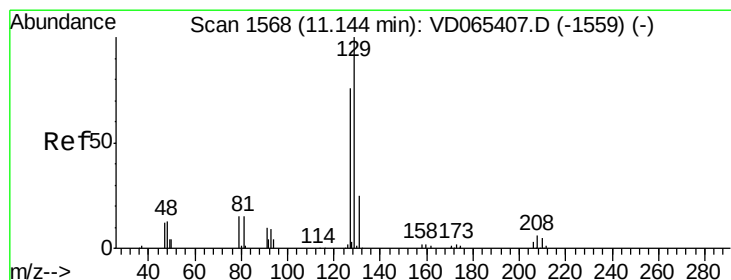
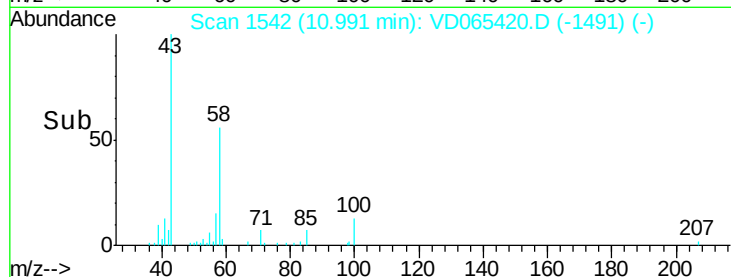
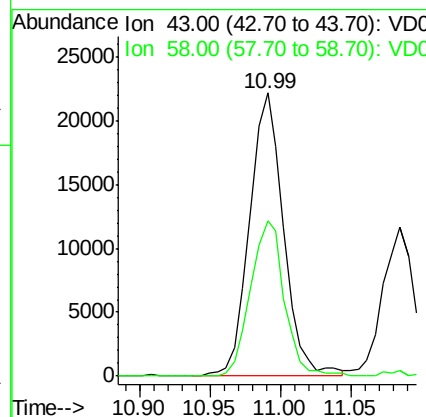
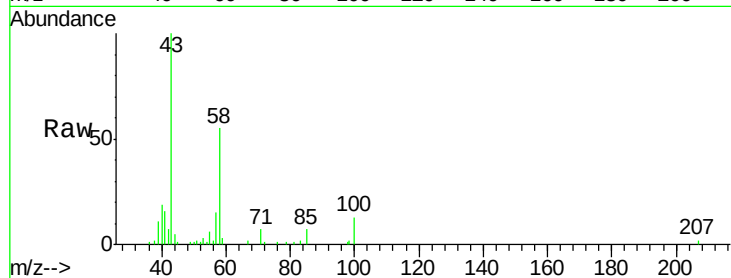
#59  
2-Hexanone  
Concen: 23.934 ug/l  
RT: 10.99 min Scan# 1542  
Delta R.T. 0.00 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0307

| Tot Ion   | 43 | Resp | 37533 |
|-----------|----|------|-------|
| Ion Ratio | 43 | 100  |       |
| Lower     | 58 | 54.5 | 27.4  |
| Upper     |    |      | 82.2  |

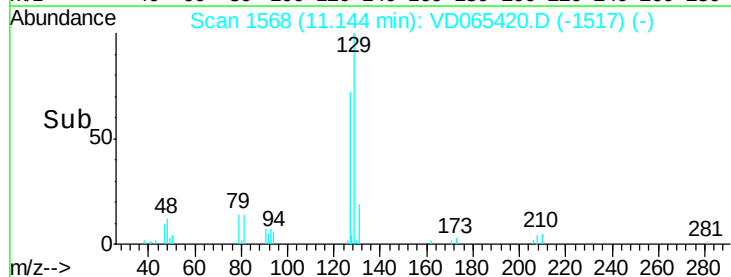
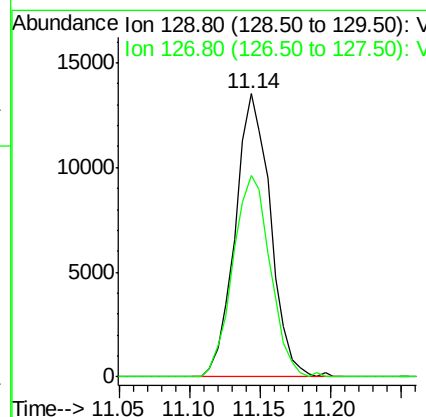
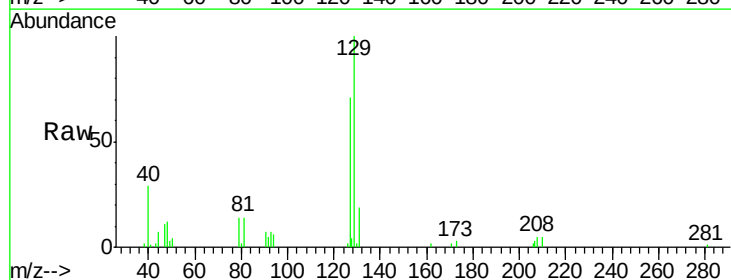
Manual Integrations  
APPROVED

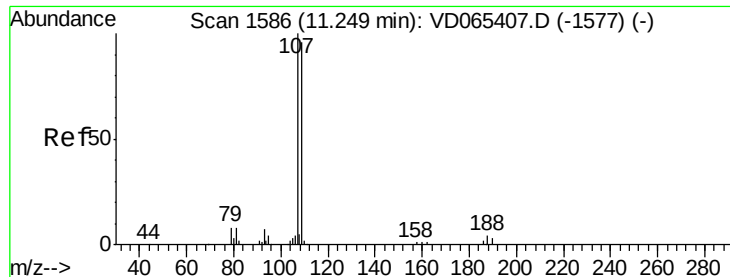
MMDadoda  
3/5/2020 1:39:19 PM



#60  
Dibromochloromethane  
Concen: 5.842 ug/l  
RT: 11.14 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

| Tgt Ion   | 129 | Resp | 23504 |
|-----------|-----|------|-------|
| Ion Ratio | 129 | 100  |       |
| Lower     | 127 | 75.5 | 38.5  |
| Upper     |     |      | 115.5 |





#61

1,2-Dibromoethane

Concen: 5.764 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

Instrument :

MSVOA\_D

ClientSampleId :

VD0307

Tot Ion:107 Resp: 17256

Ion Ratio Lower Upper

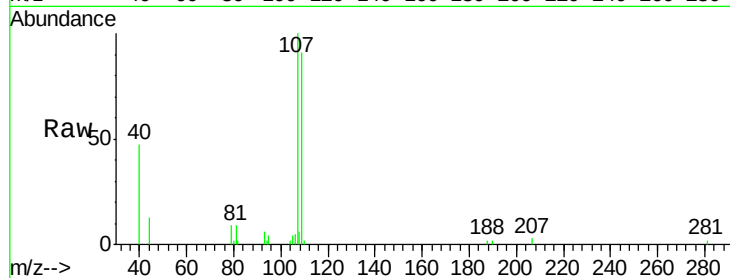
107 100

109 87.1 76.8 115.2

Manual Integrations  
APPROVED

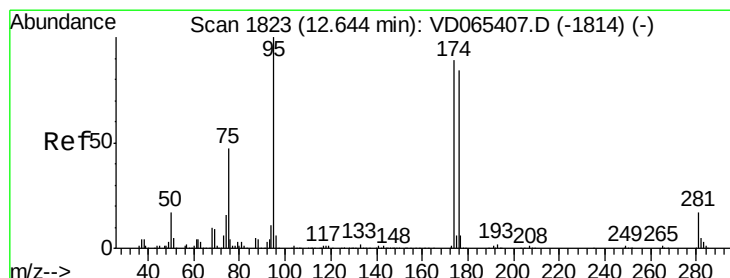
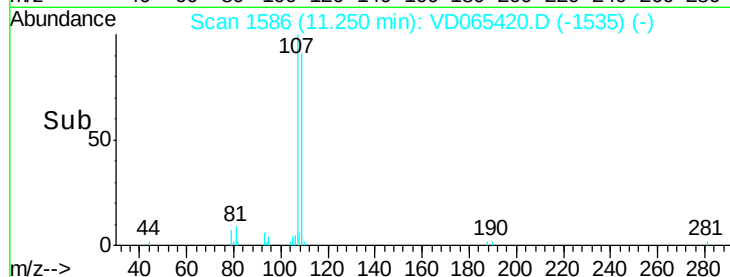
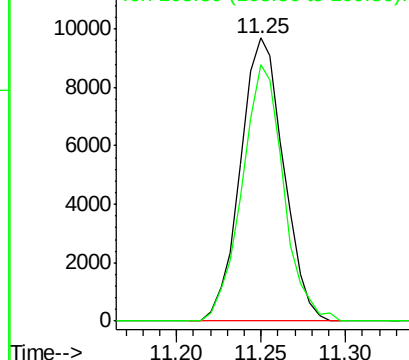
MMDadoda

3/5/2020 1:39:19 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.706 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

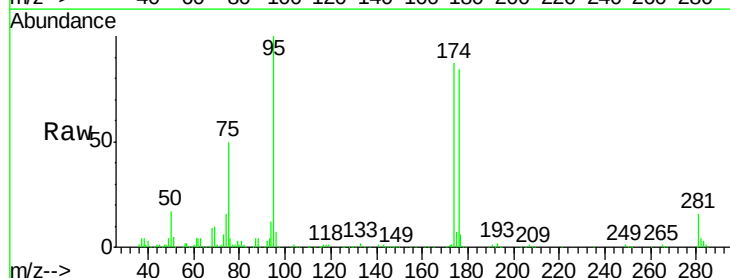
Tgt Ion: 95 Resp: 258836

Ion Ratio Lower Upper

95 100

174 90.2 0.0 176.8

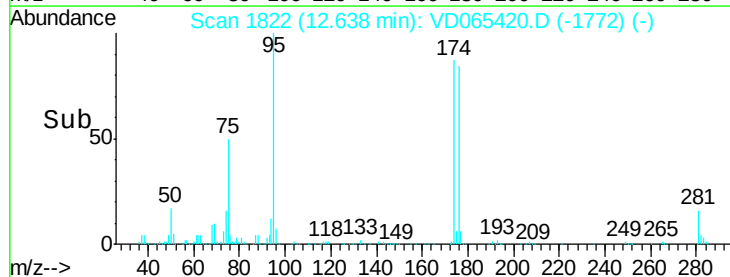
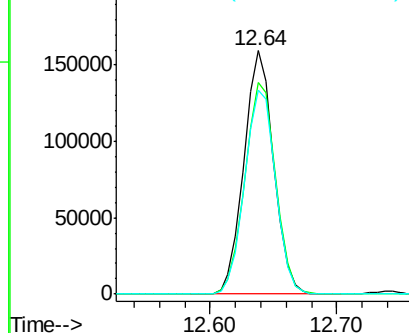
176 87.1 0.0 171.4

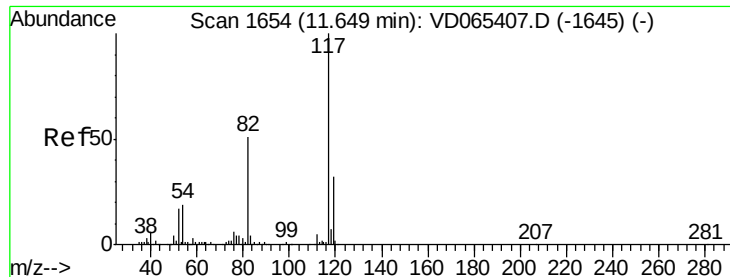


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





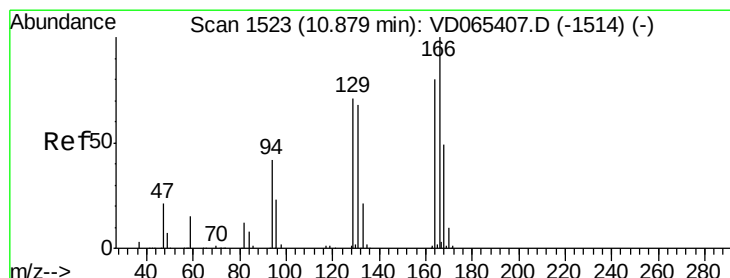
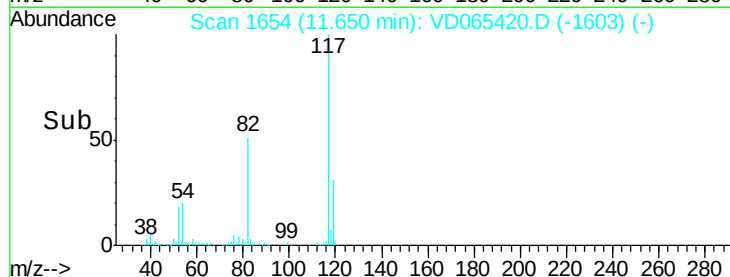
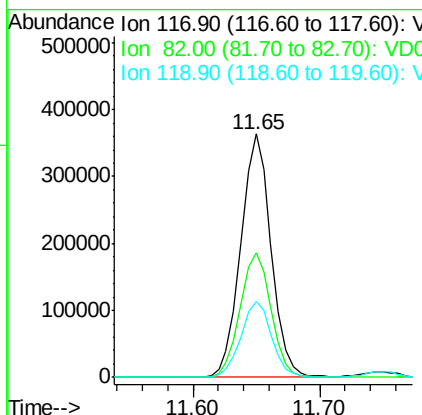
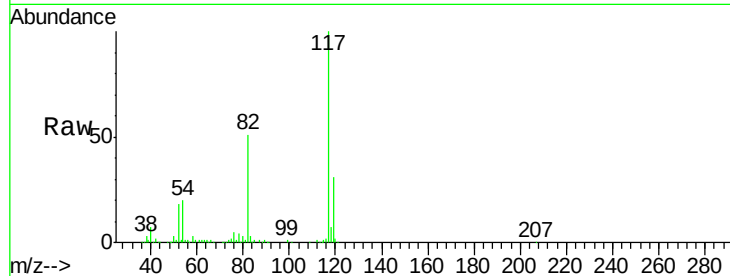
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0307

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 602798 |       |       |
| 82      | 51.1  |        | 40.6  | 60.8  |
| 119     | 31.4  |        | 25.4  | 38.2  |

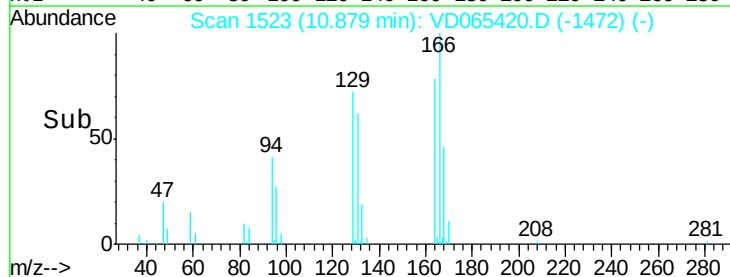
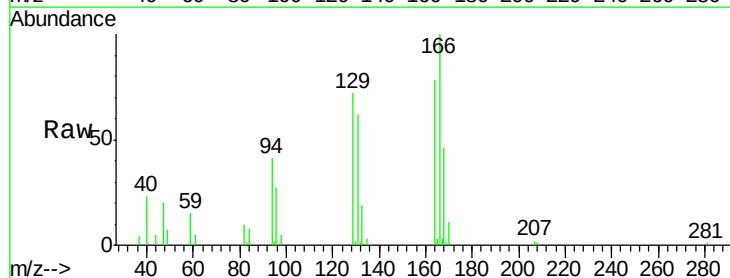
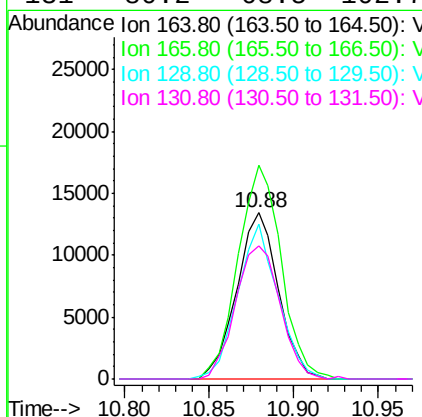
Manual Integrations  
APPROVED

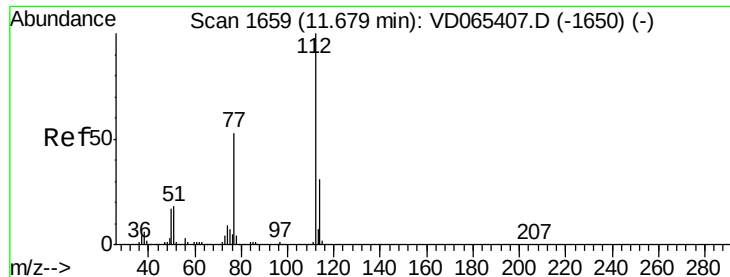
MMDadoda  
3/5/2020 1:39:19 PM



#64  
Tetrachloroethene  
Concen: 5.353 ug/l  
RT: 10.88 min Scan# 1523  
Delta R.T. 0.00 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 23122 |       |       |
| 166     | 128.5 |       | 100.5 | 150.7 |
| 129     | 92.9  |       | 71.5  | 107.3 |
| 131     | 80.2  |       | 68.5  | 102.7 |





#65

Chlorobenzene

Concen: 5.346 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

Instrument :

MSVOA\_D

ClientSampleId :

VD0307

Tot Ion:112 Resp: 63774

Ion Ratio Lower Upper

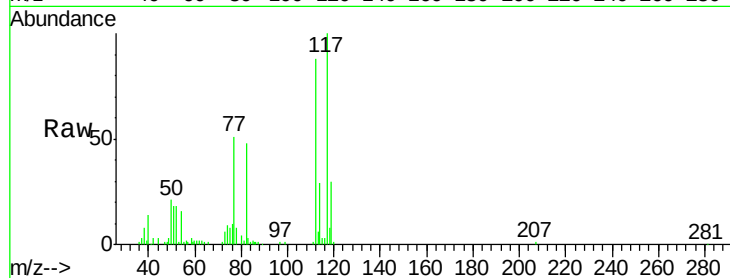
112 100

114 32.7 24.4 36.6

Manual Integrations  
APPROVED

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3/5/2020 1:39:19 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

40000

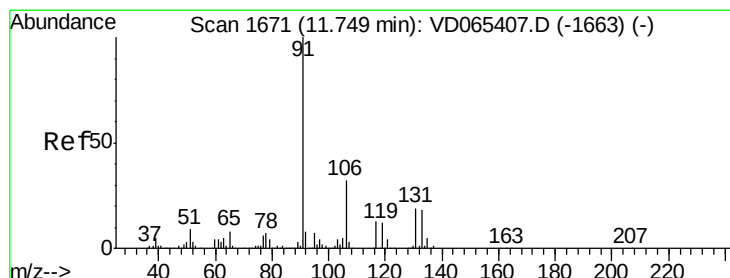
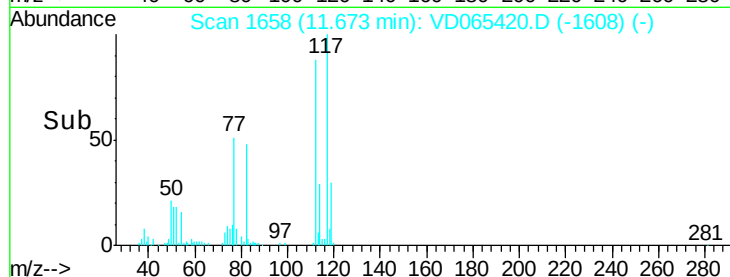
30000

20000

10000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 5.633 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

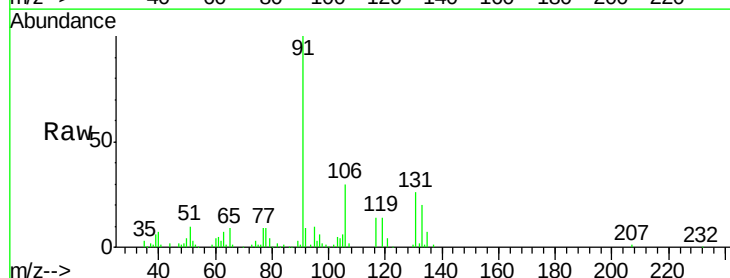
Tgt Ion:131 Resp: 24473

Ion Ratio Lower Upper

131 100

133 92.3 49.2 147.6

119 65.5 33.3 99.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

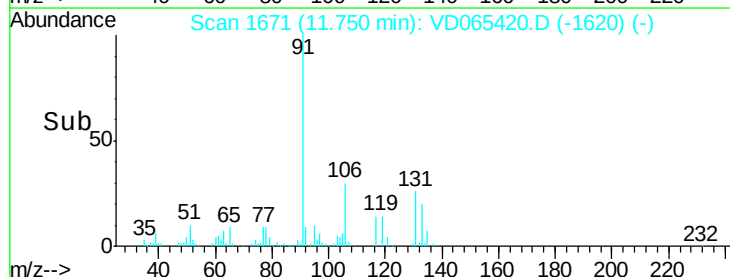
11.75

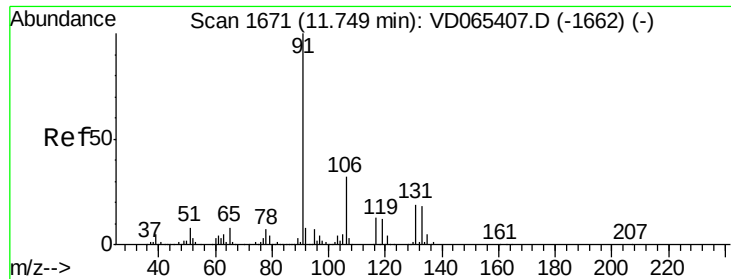
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 4.834 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

Instrument :

MSVOA\_D

ClientSampled :

VD0307

Tot Ion: 91 Resp: 99636

Ion Ratio Lower Upper

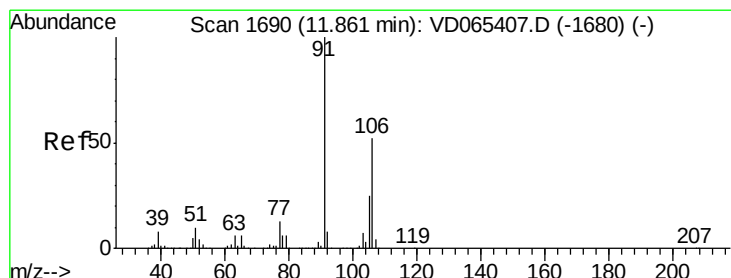
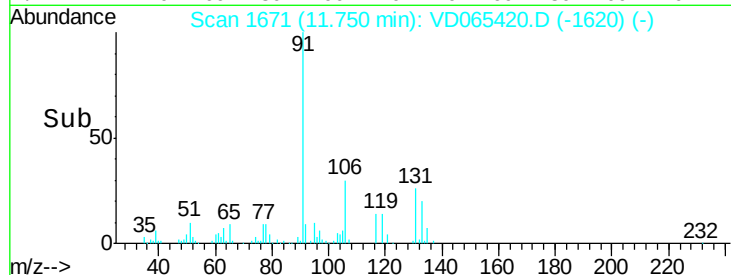
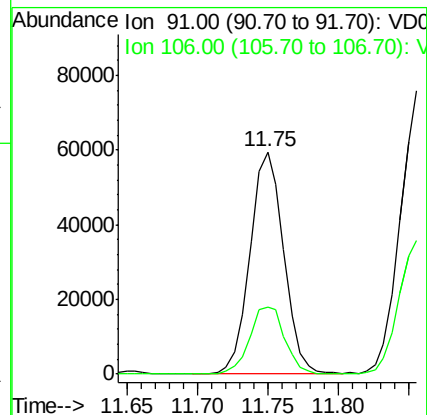
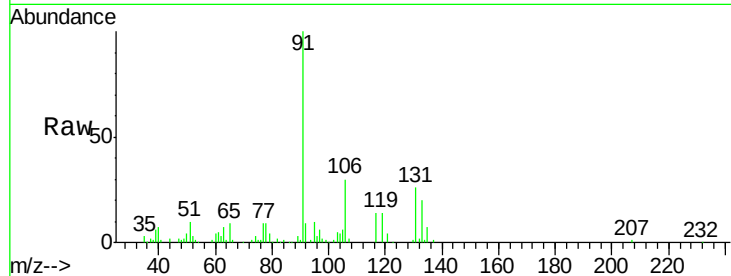
91 100

106 30.1 25.2 37.8

Manual Integrations  
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3/5/2020 1:39:19 PM



#68

m/p-Xylenes

Concen: 9.504 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065420.D

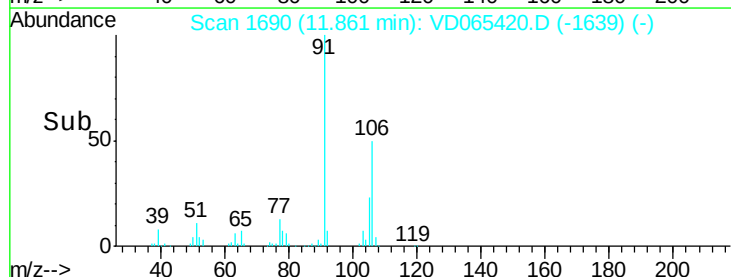
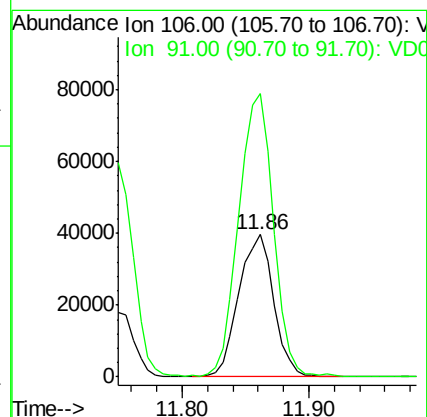
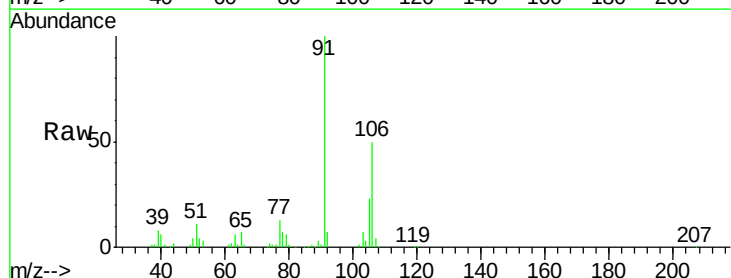
Acq: 04 Mar 2020 19:38

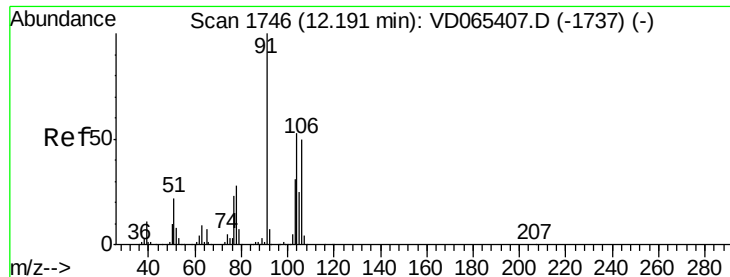
Tgt Ion: 106 Resp: 75532

Ion Ratio Lower Upper

106 100

91 199.2 155.9 233.9





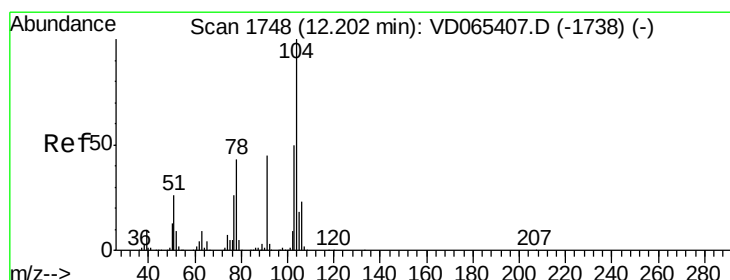
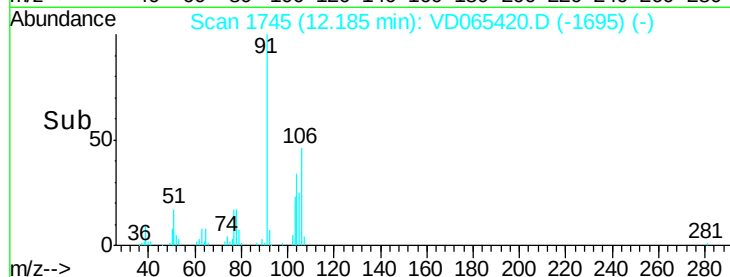
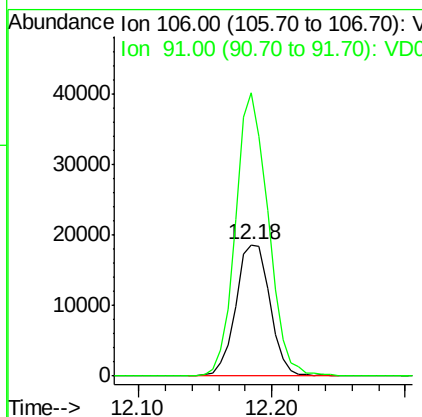
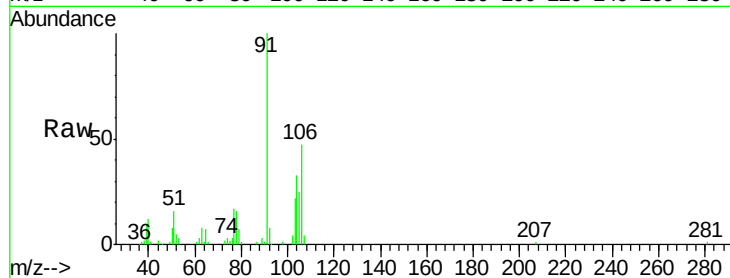
#69  
o-Xylene  
Concen: 4.719 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. -0.01 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0307

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 106     | 100   |       | 32988 |       |       |
| 91      | 207.0 | 103.5 | 310.3 |       |       |

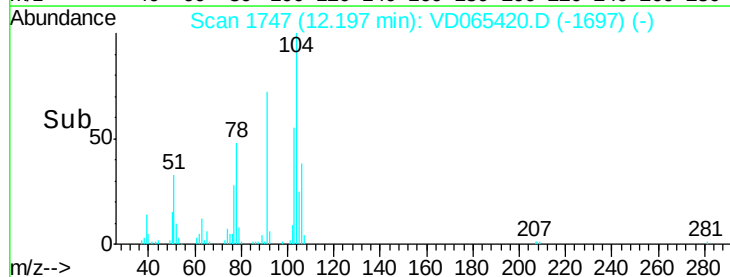
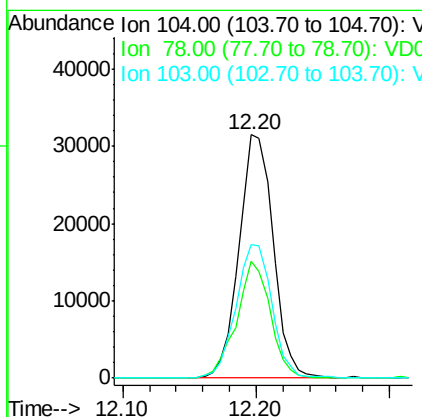
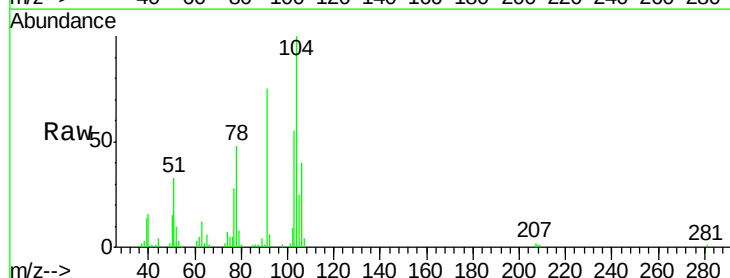
Manual Integrations  
APPROVED

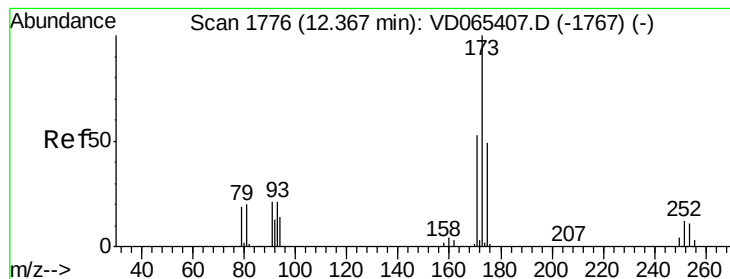
MMDadoda  
3/5/2020 1:39:19 PM



#70  
Styrene  
Concen: 4.539 ug/l  
RT: 12.20 min Scan# 1747  
Delta R.T. -0.01 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 104     | 100  |       | 55844 |       |       |
| 78      | 47.6 | 37.7  | 56.5  |       |       |
| 103     | 57.9 | 43.6  | 65.4  |       |       |





#71

Bromoform

Concen: 5.490 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

Instrument :

MSVOA\_D

ClientSampleId :

VD0307

Tot Ion:173 Resp: 13396

Ion Ratio Lower Upper

173 100

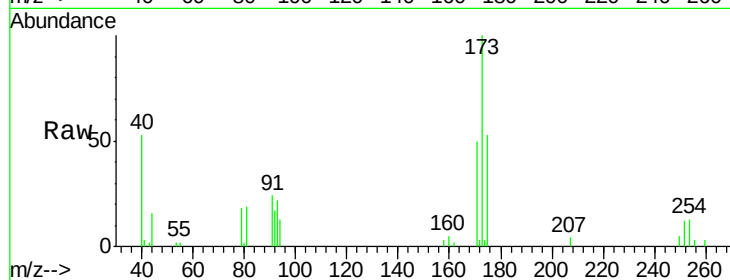
175 48.3 24.3 73.0

254 0.0 0.1 0.1#

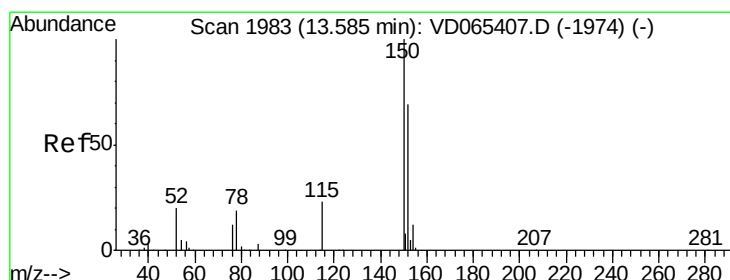
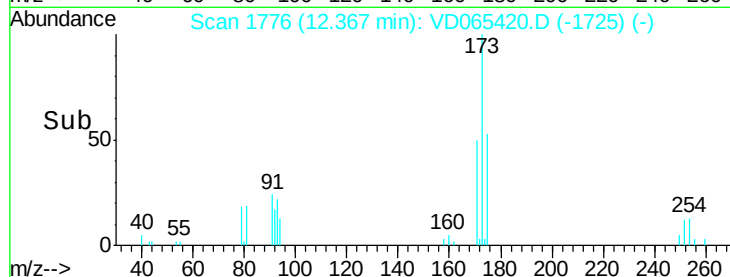
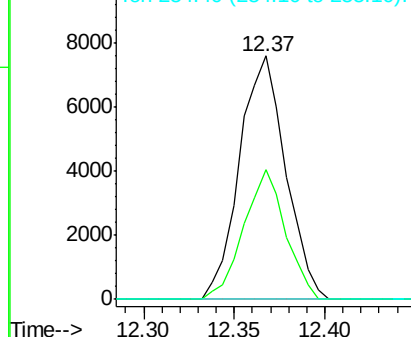
Manual Integrations  
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Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

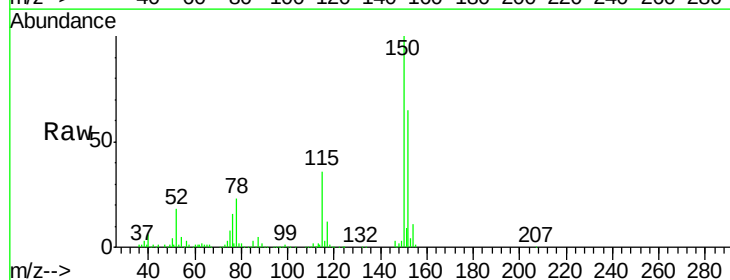
Tgt Ion:152 Resp: 293621

Ion Ratio Lower Upper

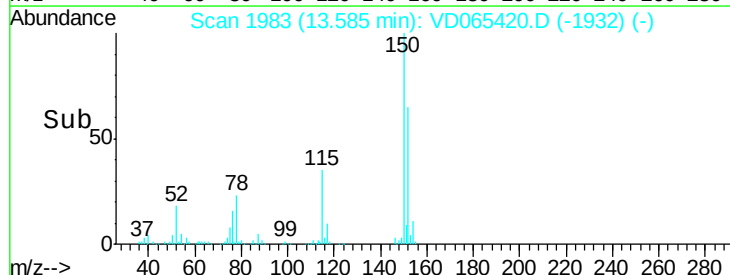
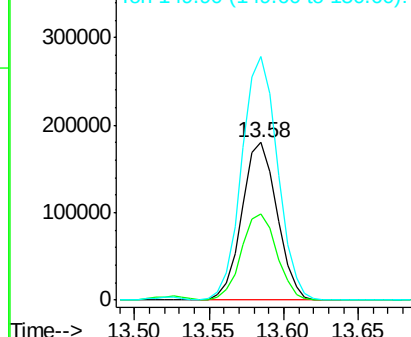
152 100

115 55.3 27.6 82.8

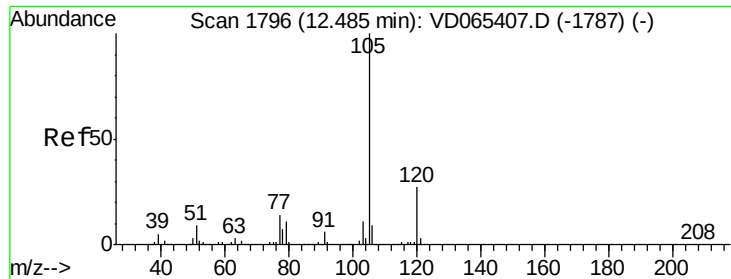
150 157.9 0.0 345.0



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







#73

Isopropylbenzene

Concen: 4.507 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

Instrument :

MSVOA\_D

ClientSampleId :

VD0307

Tot Ion: 105 Resp: 87049

Ion Ratio Lower Upper

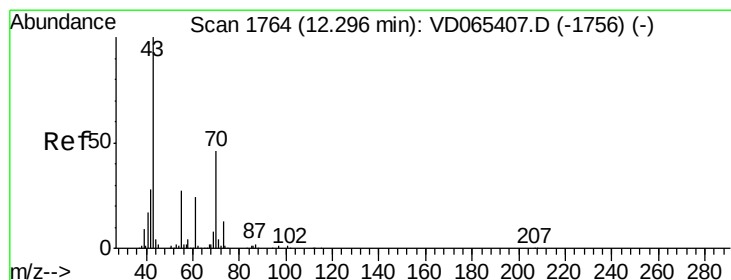
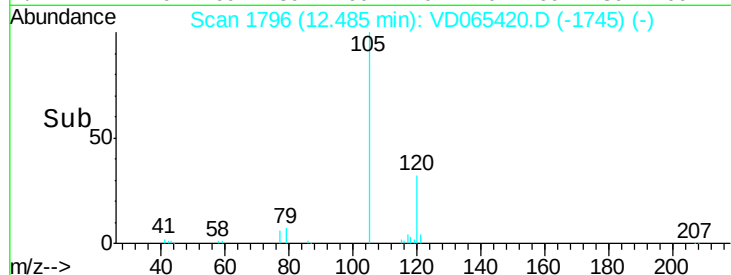
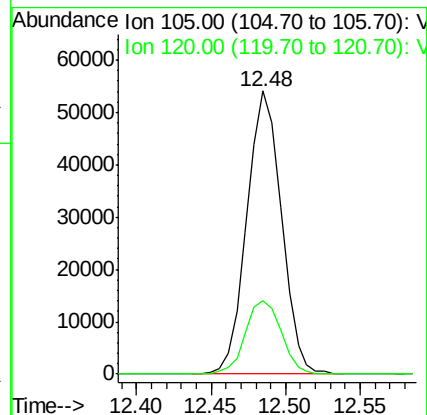
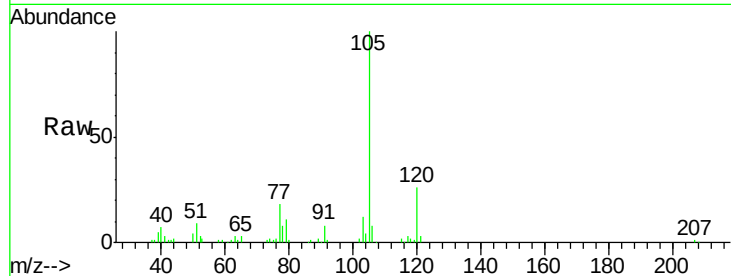
105 100

120 26.8 13.5 40.4

Manual Integrations  
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#74

N-ethyl acetate

Concen: 4.862 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

Tgt Ion: 43 Resp: 19222

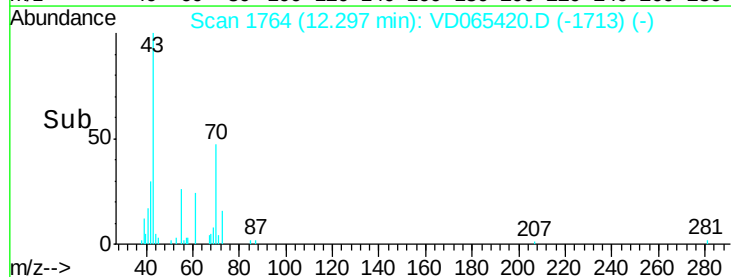
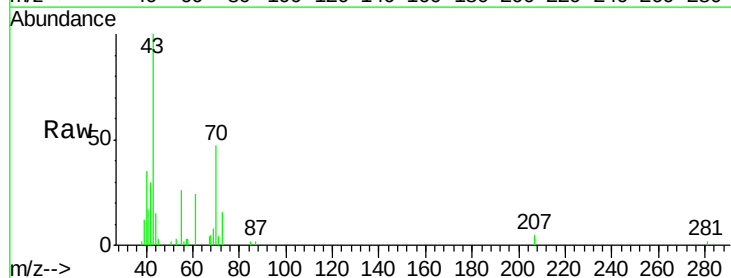
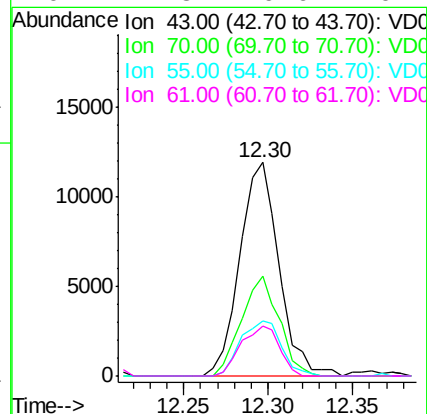
Ion Ratio Lower Upper

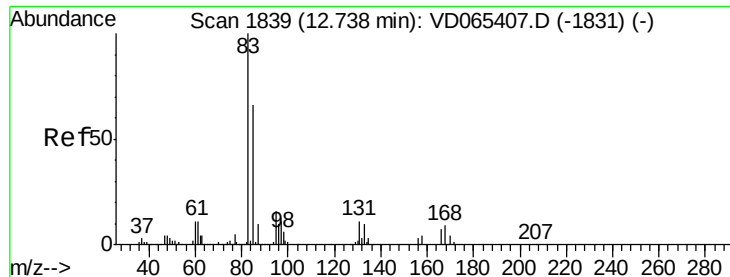
43 100

70 44.8 36.1 54.1

55 26.9 21.6 32.4

61 22.8 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.802 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

Instrument :

MSVOA\_D

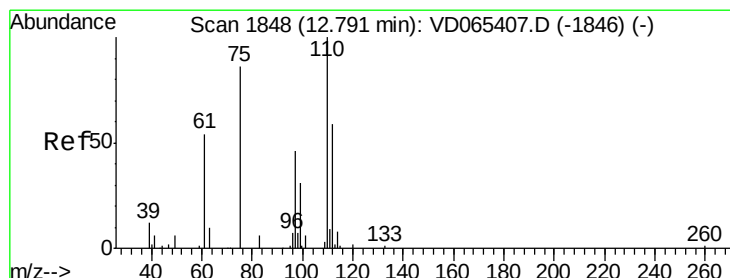
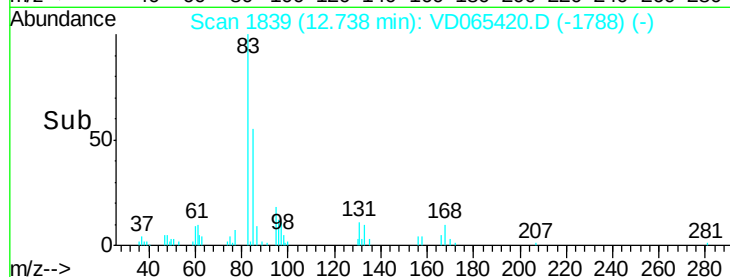
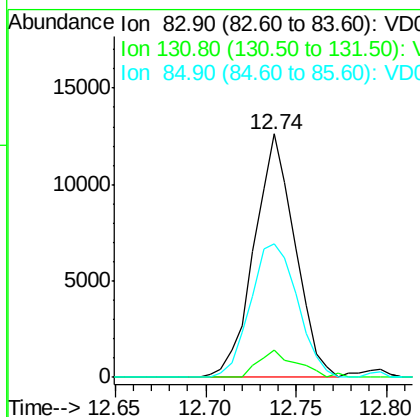
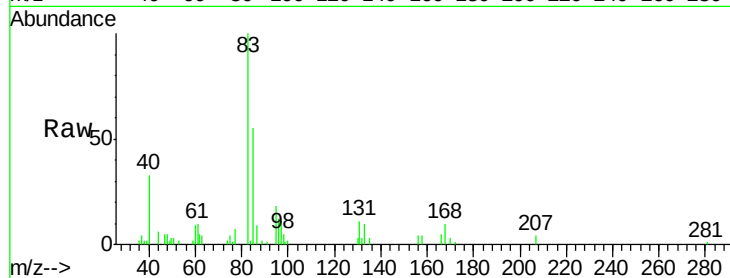
ClientSampleId :

VD0307

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 19696 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.5  | 5.4   | 16.2  |
| 85        | 63.4  | 33.0  | 98.9  |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 5.085 ug/l m

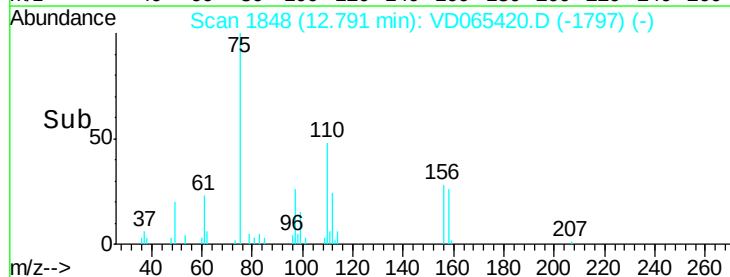
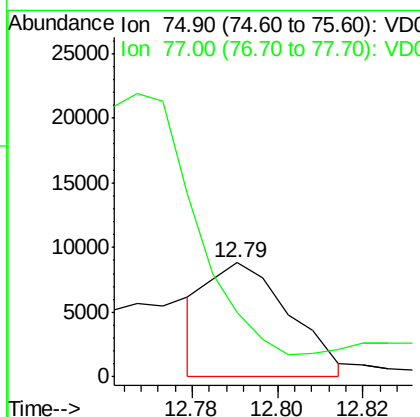
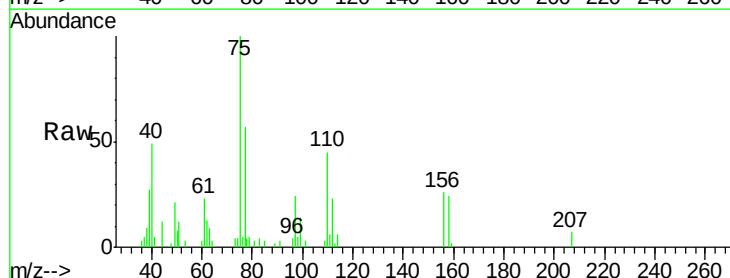
RT: 12.79 min Scan# 1848

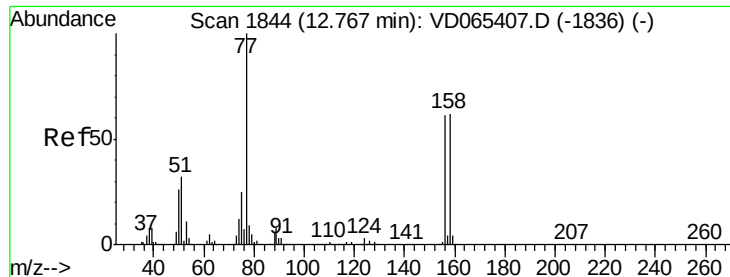
Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 11782 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 5.512 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

Instrument :

MSVOA\_D

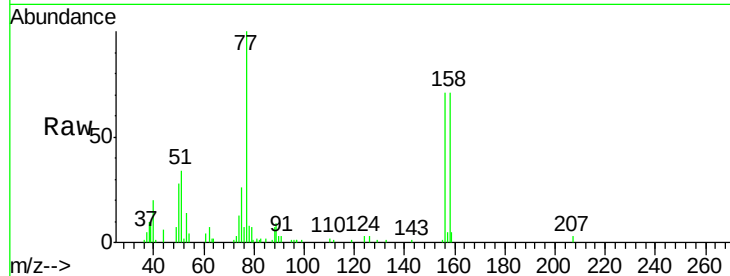
ClientSampleId :

VD0307

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 167.4 | 84.9  | 254.6 |
| 158     | 94.1  | 49.0  | 147.2 |

Manual Integrations  
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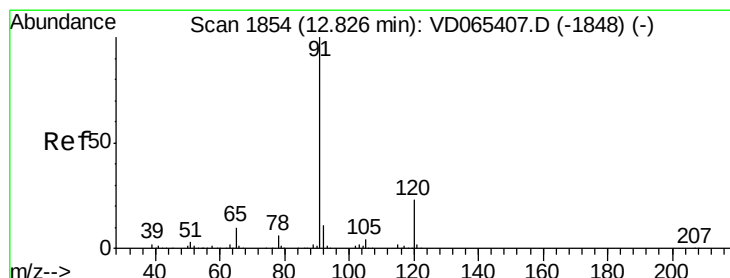
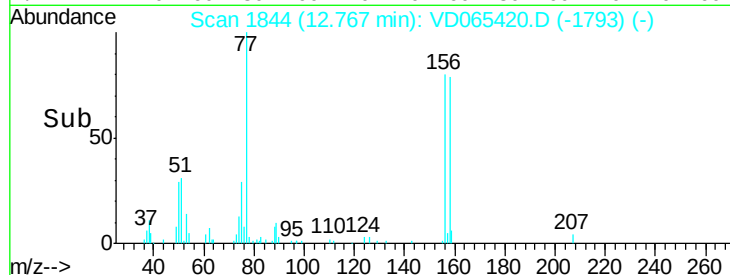
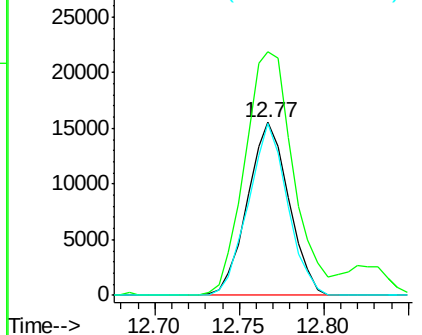


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.034 ug/l

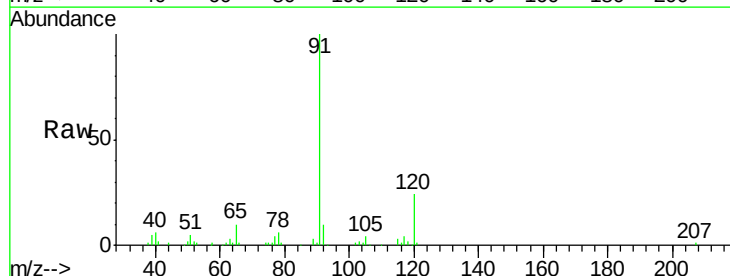
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

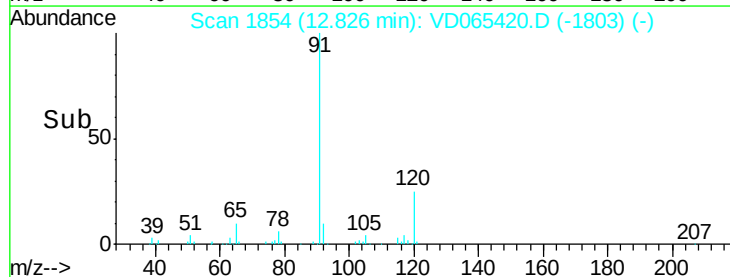
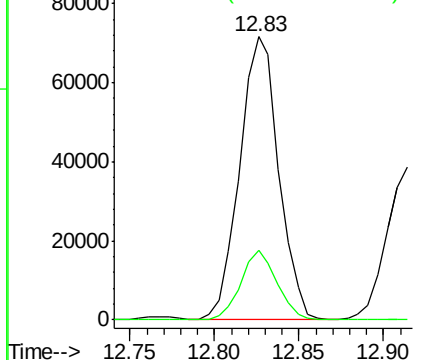
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 22.7  | 11.9  | 35.5  |

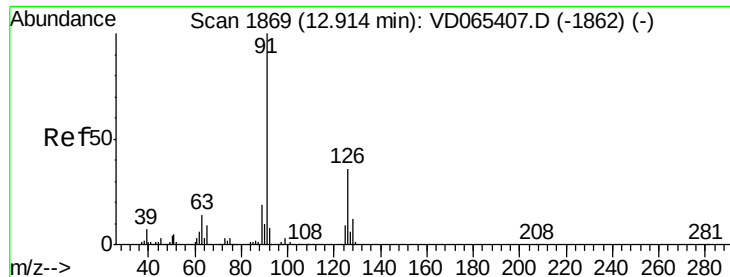


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.121 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

Instrument :

MSVOA\_D

ClientSampleId :

VD0307

Tot Ion: 91 Resp: 66137

Ion Ratio Lower Upper

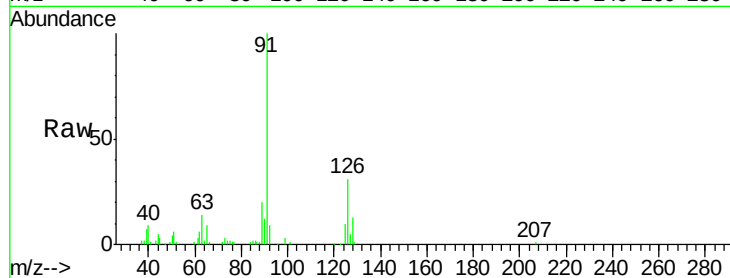
91 100

126 33.6 17.9 53.8

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Abundance Ion 91.00 (90.70 to 91.70): VD065407.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065407.D (-1862) (-)

12.91

40000

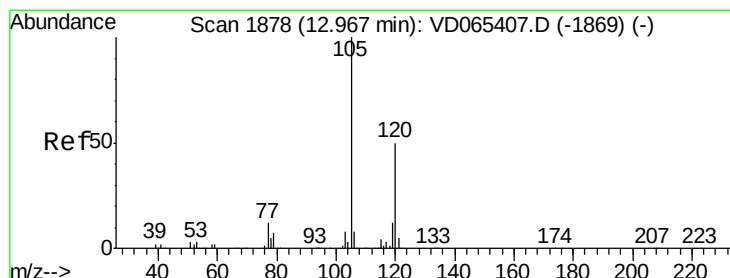
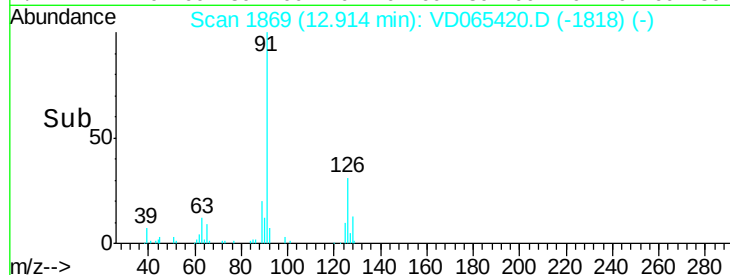
30000

20000

10000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.598 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065420.D

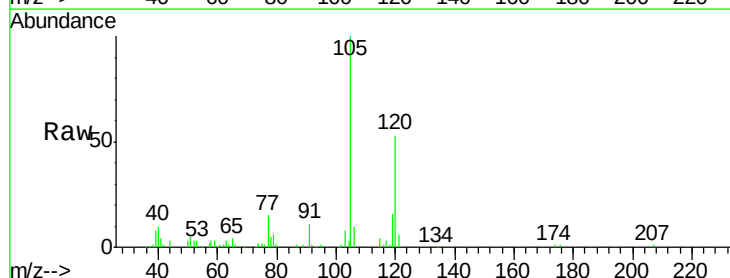
Acq: 04 Mar 2020 19:38

Tgt Ion: 105 Resp: 73003

Ion Ratio Lower Upper

105 100

120 52.5 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065407.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065407.D (-1869) (-)

12.97

50000

40000

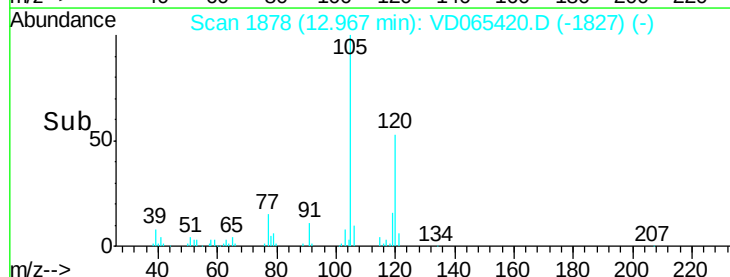
30000

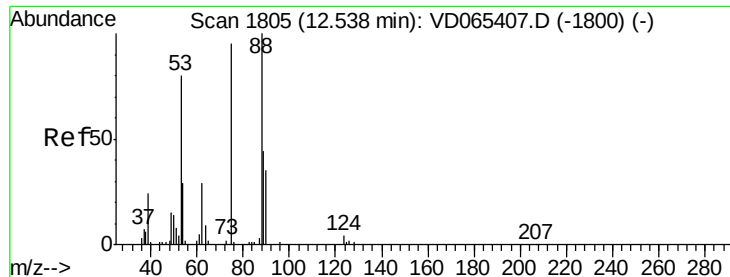
20000

10000

0

Time-->





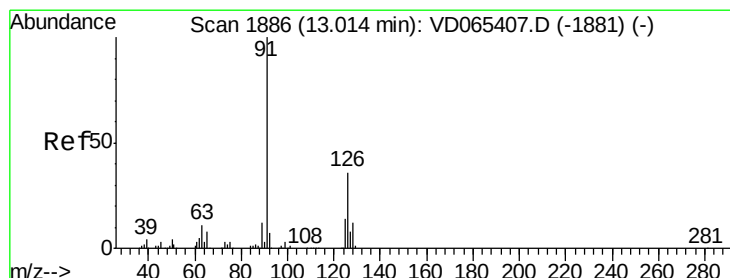
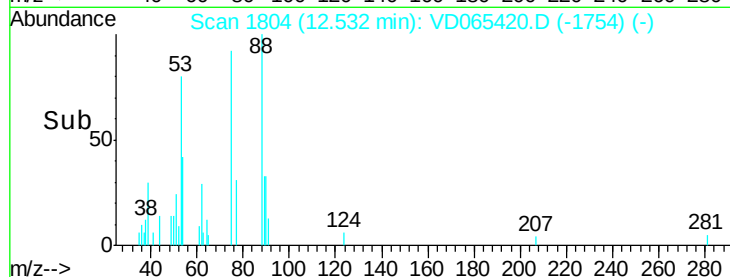
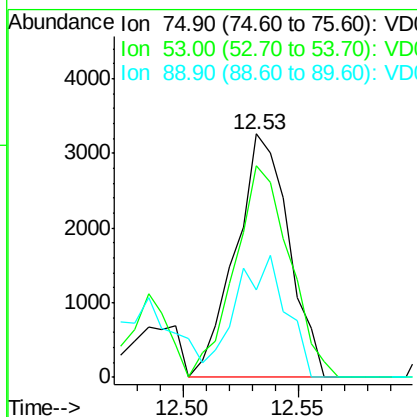
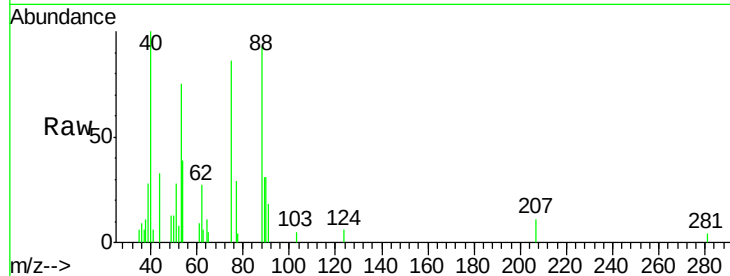
#81  
trans-1,4-Dichloro-2-butene  
Concen: 4.755 ug/l  
RT: 12.53 min Scan# 1804  
Delta R.T. -0.01 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0307

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 90.0  | 71.3  | 106.9 |
| 89      | 47.0  | 37.0  | 55.6  |

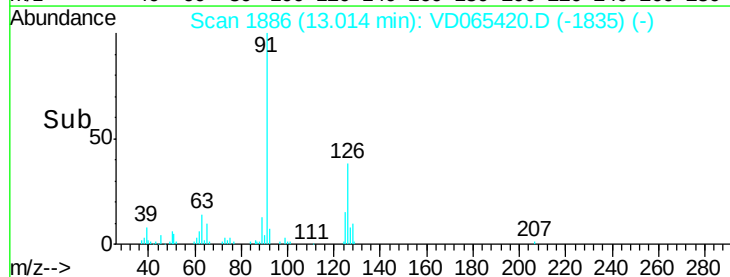
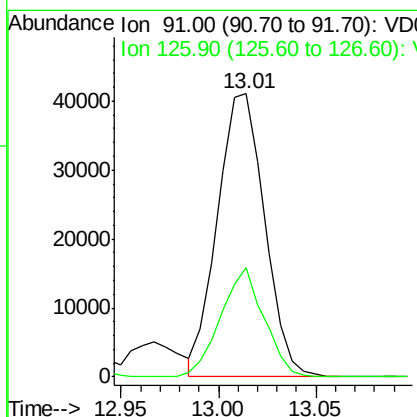
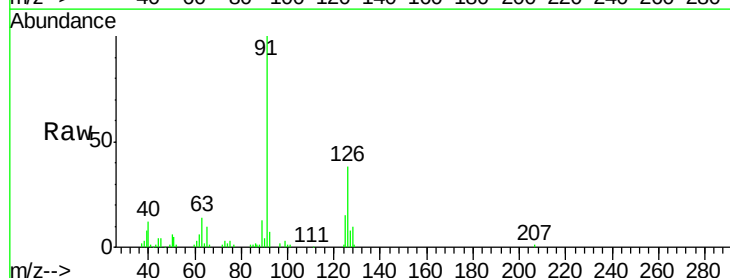
Manual Integrations  
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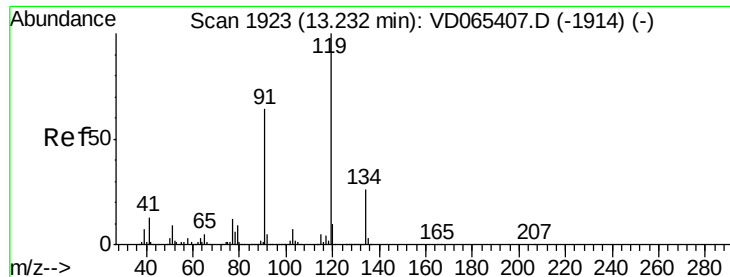
MMDadoda  
3/5/2020 1:39:19 PM



#82  
4-Chlorotoluene  
Concen: 5.073 ug/l  
RT: 13.01 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.4  | 17.6  | 52.8  |





#83

tert-Butylbenzene

Concen: 4.639 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

Instrument :

MSVOA\_D

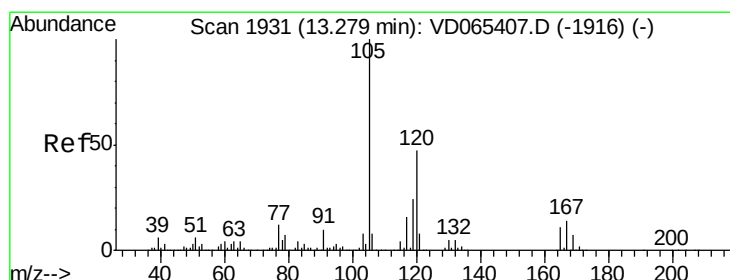
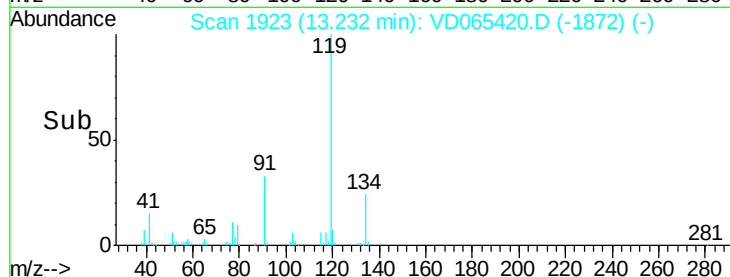
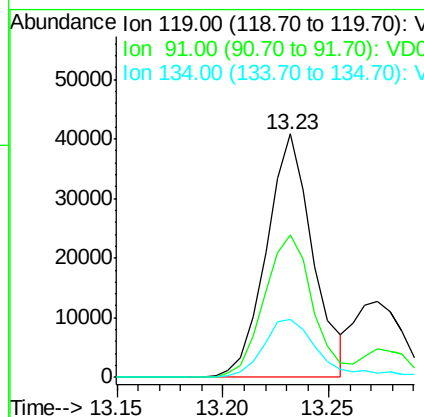
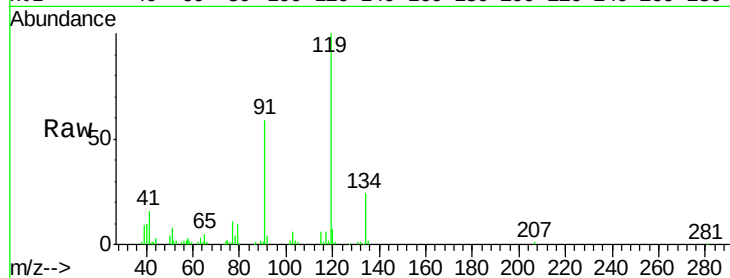
ClientSampled :

VD0307

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 119   | Resp: | 62319 |
| Ion Ratio | Lower | Upper |       |
| 119       | 100   |       |       |
| 91        | 62.1  | 31.6  | 95.0  |
| 134       | 29.0  | 14.2  | 42.8  |

Manual Integrations  
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3/5/2020 1:39:19 PM



#84

1,2,4-Trimethylbenzene

Concen: 4.699 ug/l

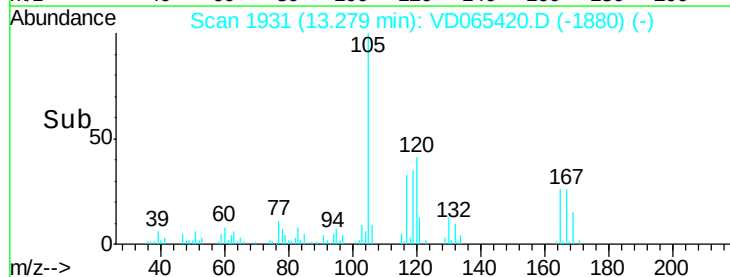
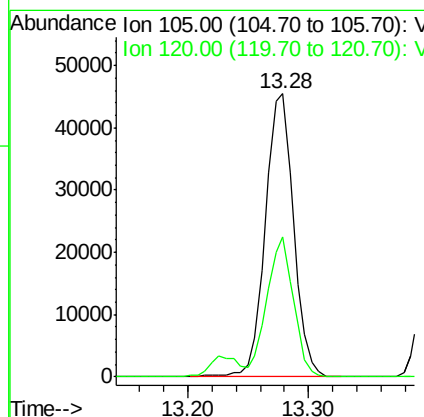
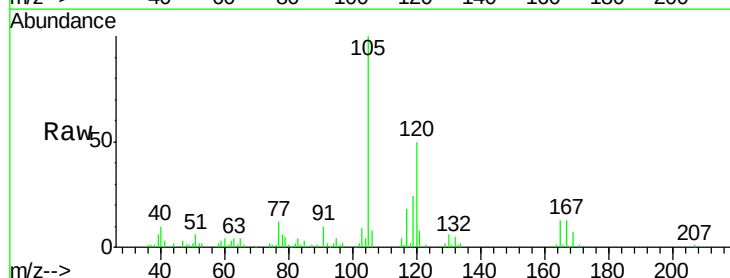
RT: 13.28 min Scan# 1931

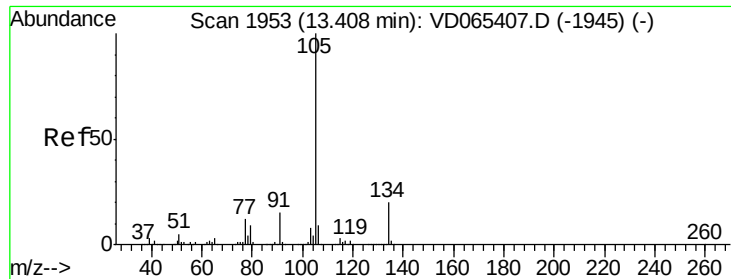
Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 73548 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 46.2  | 23.4  | 70.3  |





#85

sec-Butylbenzene

Concen: 4.575 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

Instrument :

MSVOA\_D

ClientSampleId :

VD0307

Tot Ion:105 Resp: 87716

Ion Ratio Lower Upper

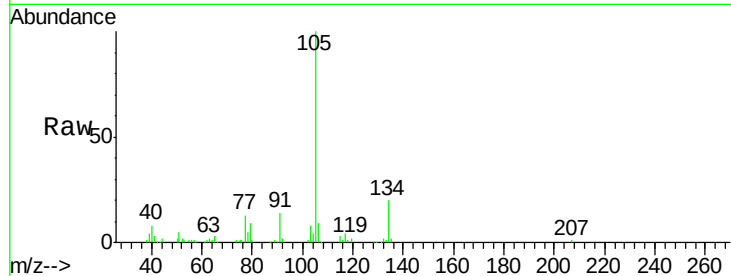
105 100

134 20.2 10.3 30.9

Manual Integrations  
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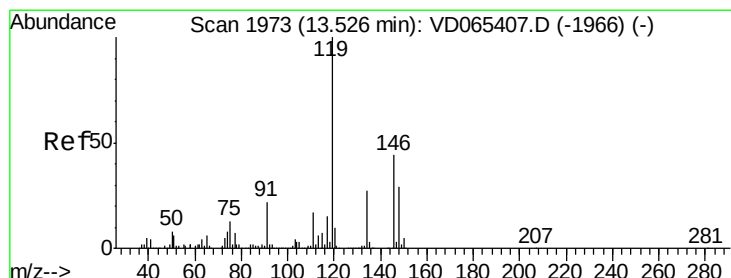
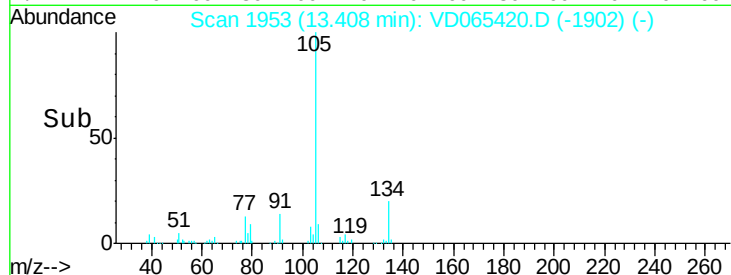
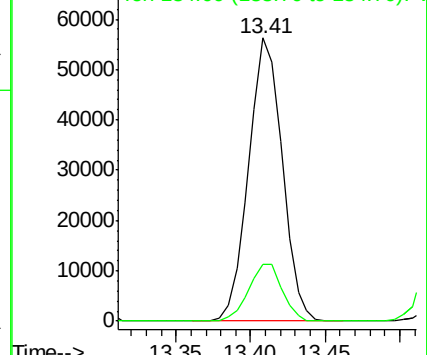
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.379 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

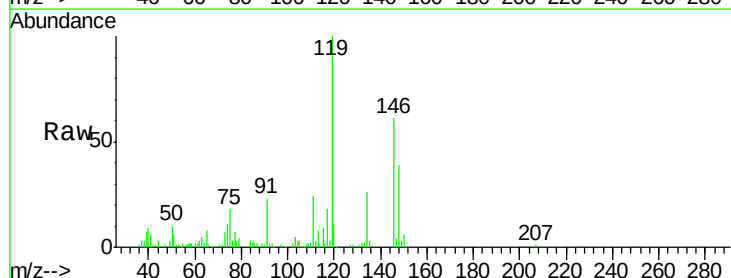
Tgt Ion:119 Resp: 76619

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.9

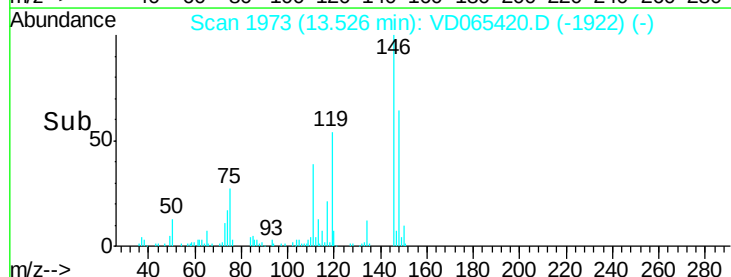
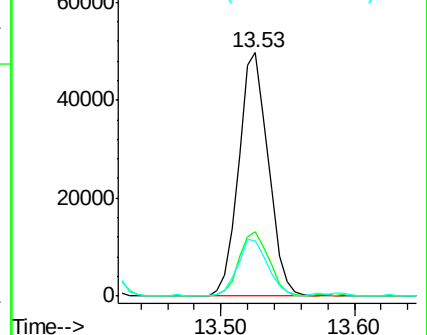
91 23.9 10.9 32.6

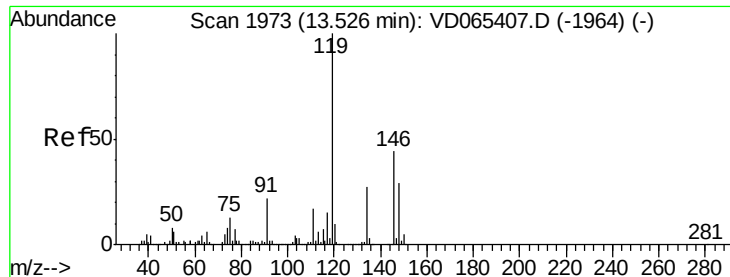


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





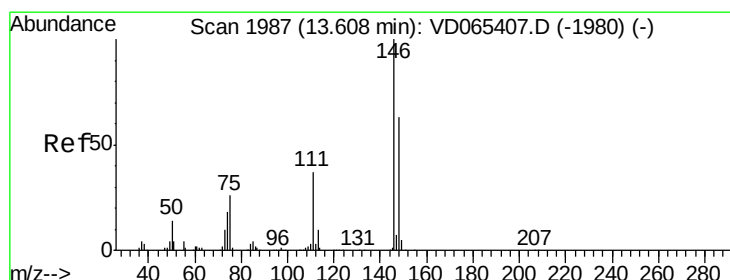
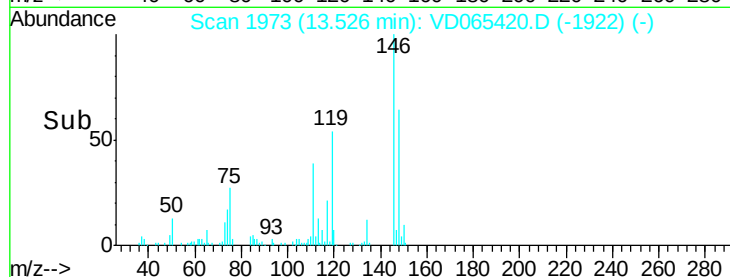
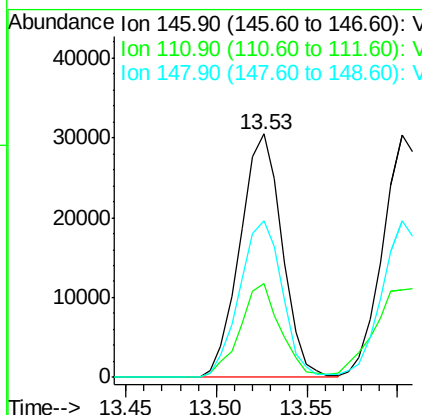
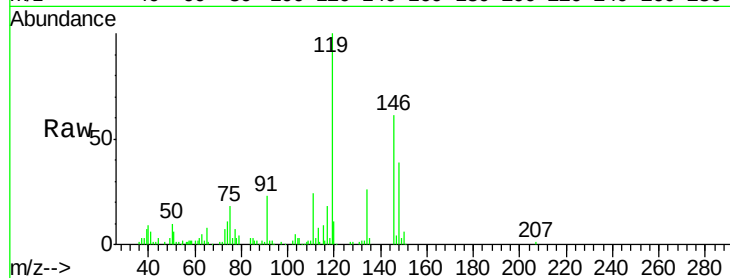
#87  
 1,3-Dichlorobenzene  
 Concen: 5.329 ug/l  
 RT: 13.53 min Scan# 1973  
 Delta R.T. 0.00 min  
 Lab File: VD065420.D  
 Acq: 04 Mar 2020 19:38

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0307

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.4  | 19.1  | 57.1  |
| 148     | 65.5  | 32.3  | 96.8  |

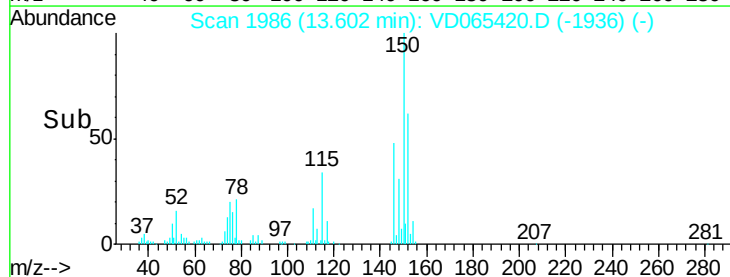
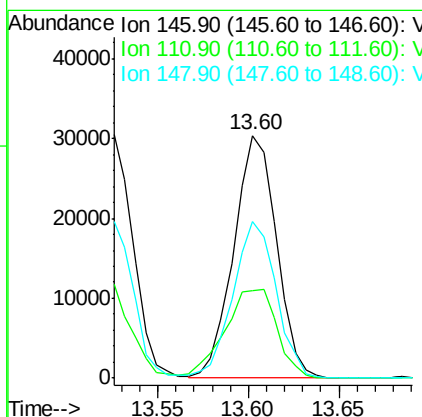
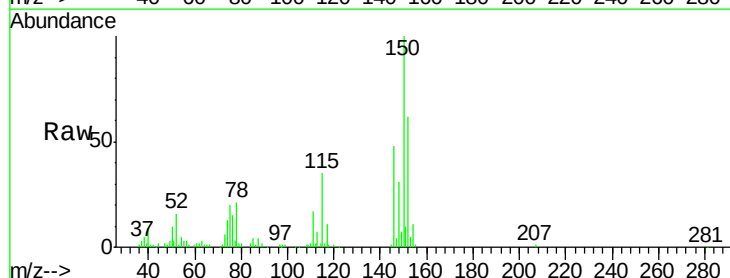
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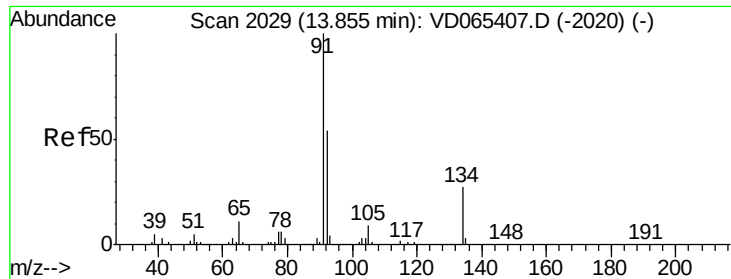


#88  
 1,4-Dichlorobenzene  
 Concen: 5.442 ug/l  
 RT: 13.60 min Scan# 1986  
 Delta R.T. -0.01 min  
 Lab File: VD065420.D  
 Acq: 04 Mar 2020 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 44.8  | 18.5  | 55.5  |
| 148     | 65.2  | 32.0  | 96.0  |







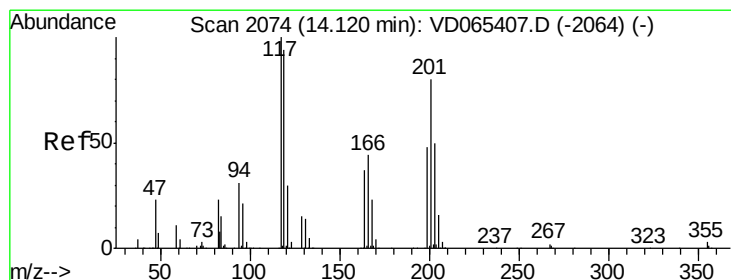
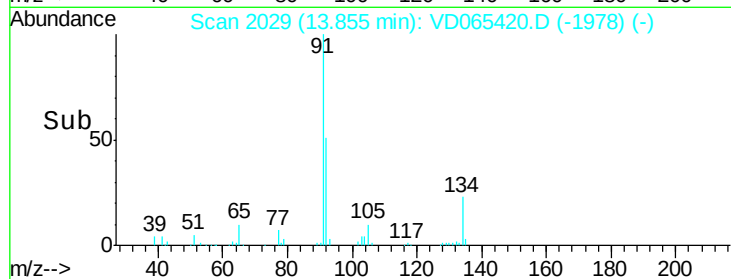
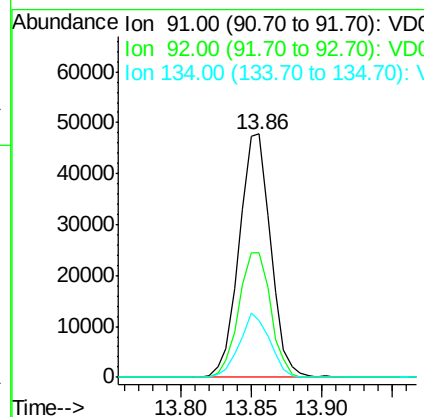
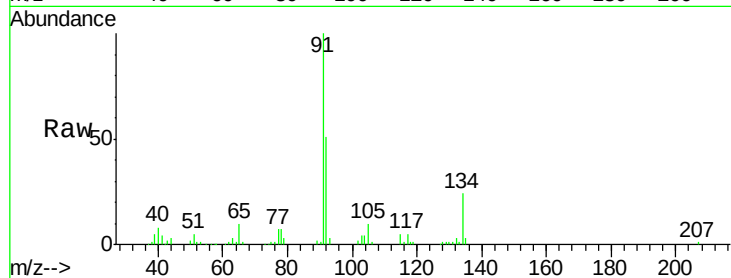
#89  
n-Butylbenzene  
Concen: 4.610 ug/l  
RT: 13.86 min Scan# 2029  
Delta R.T. 0.00 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0307

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.8  | 26.8  | 80.4  |
| 134     | 25.5  | 13.4  | 40.2  |

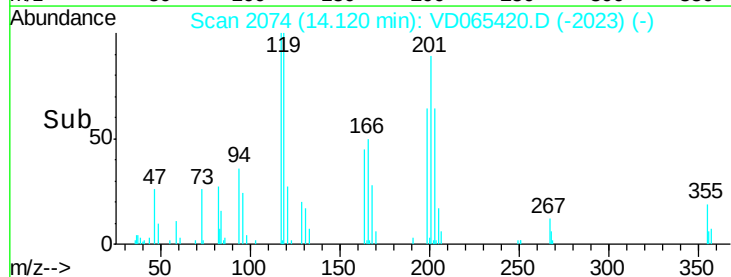
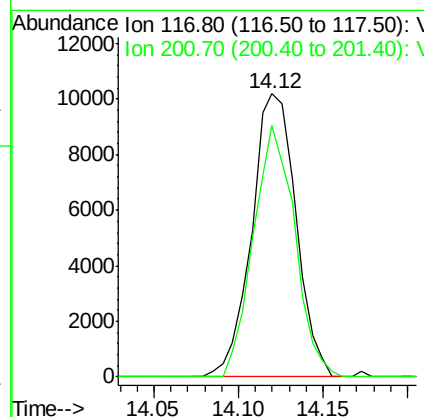
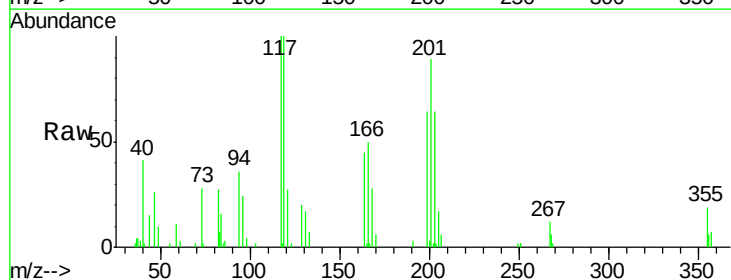
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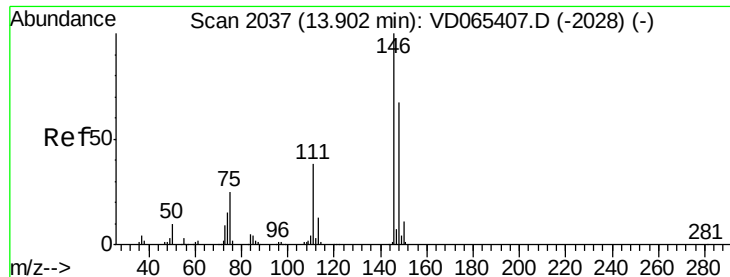
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#90  
Hexachloroethane  
Concen: 5.140 ug/l  
RT: 14.12 min Scan# 2074  
Delta R.T. 0.00 min  
Lab File: VD065420.D  
Acq: 04 Mar 2020 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 82.9  | 41.9  | 125.6 |





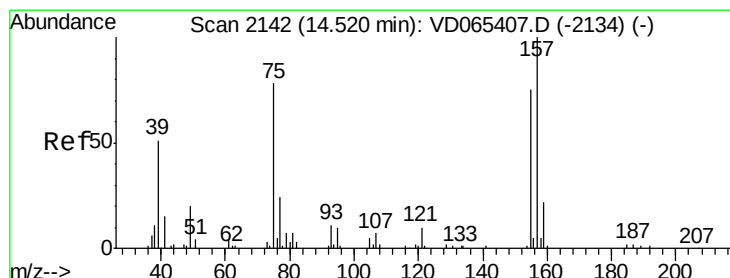
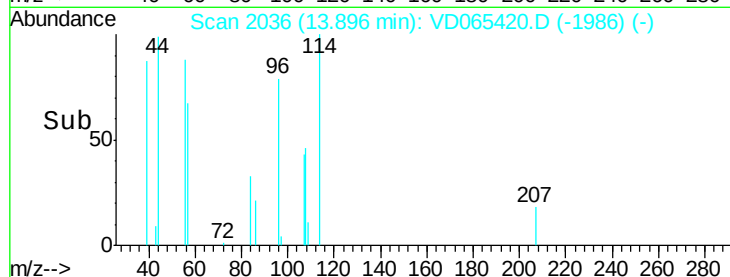
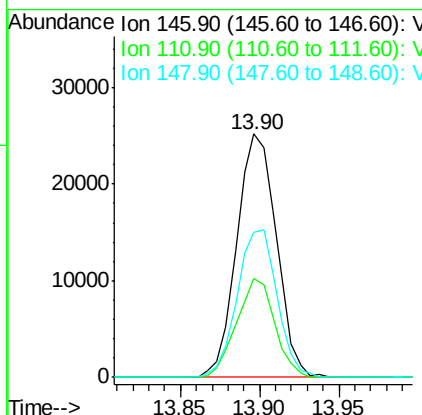
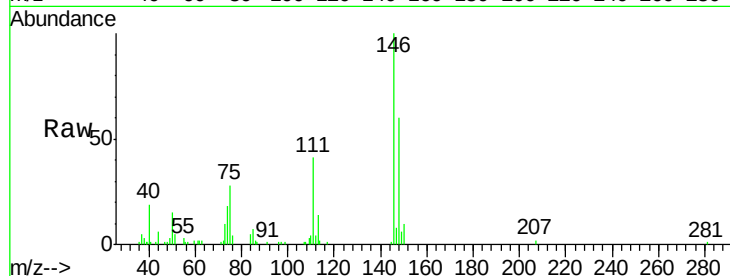
#91  
 1,2-Dichlorobenzene  
 Concen: 5.560 ug/l  
 RT: 13.90 min Scan# 2036  
 Delta R.T. -0.01 min  
 Lab File: VD065420.D  
 Acq: 04 Mar 2020 19:38

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0307

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.2  | 19.8  | 59.3  |
| 148     | 60.9  | 32.6  | 97.8  |

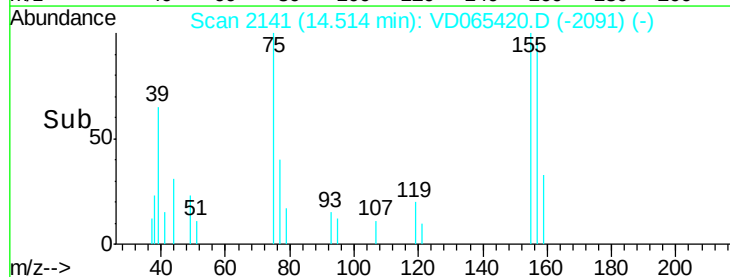
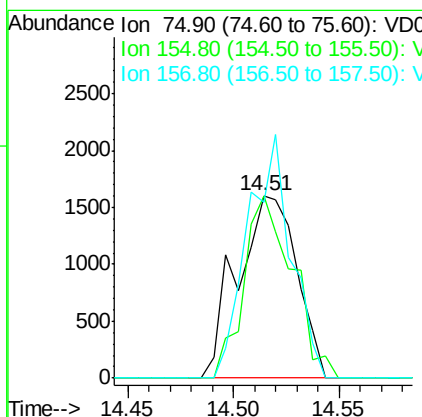
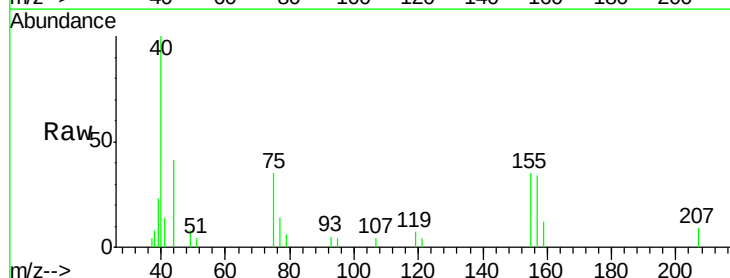
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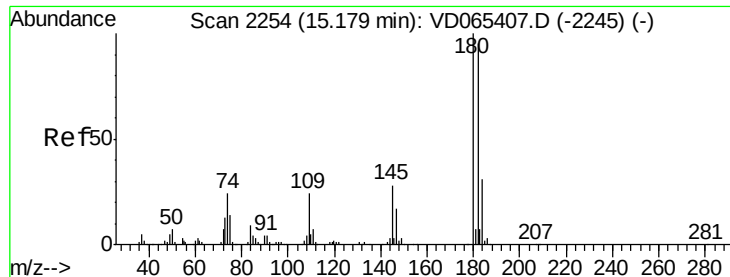
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 6.077 ug/l  
 RT: 14.51 min Scan# 2141  
 Delta R.T. -0.01 min  
 Lab File: VD065420.D  
 Acq: 04 Mar 2020 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 81.8  | 46.4  | 139.1 |
| 157     | 97.0  | 60.2  | 180.4 |





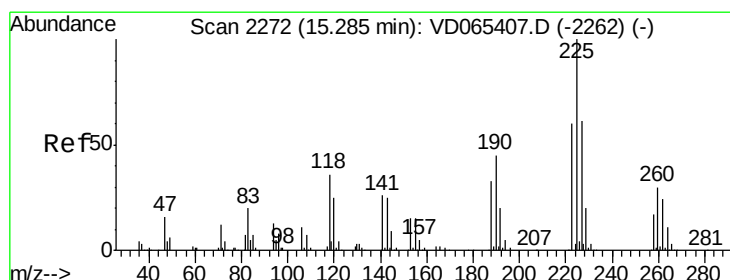
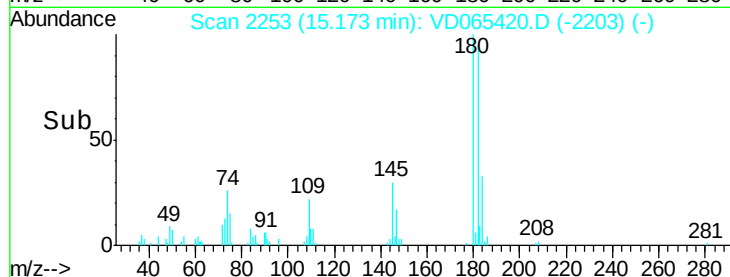
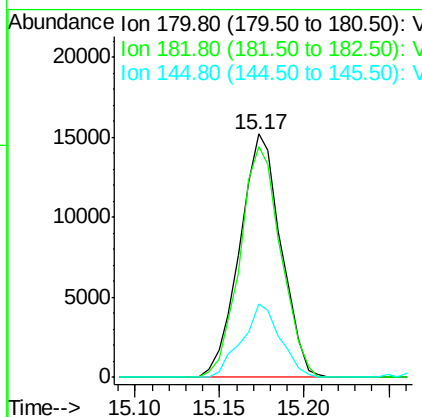
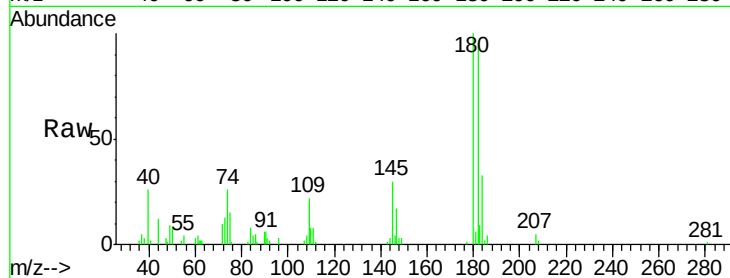
#93  
 1,2,4-Trichlorobenzene  
 Concen: 4.849 ug/l  
 RT: 15.17 min Scan# 2253  
 Delta R.T. -0.01 min  
 Lab File: VD065420.D  
 Acq: 04 Mar 2020 19:38

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0307

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 25803 |       |       |
| 182     | 93.8  |       | 48.3  | 144.9 |
| 145     | 27.9  |       | 14.4  | 43.4  |

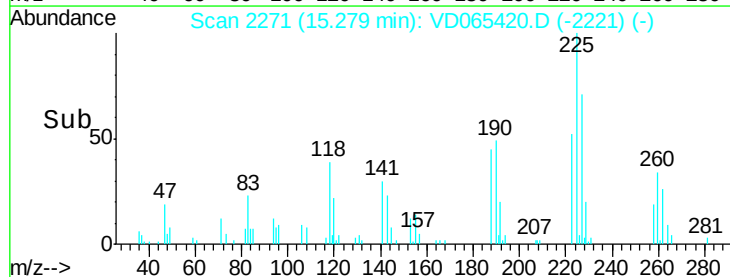
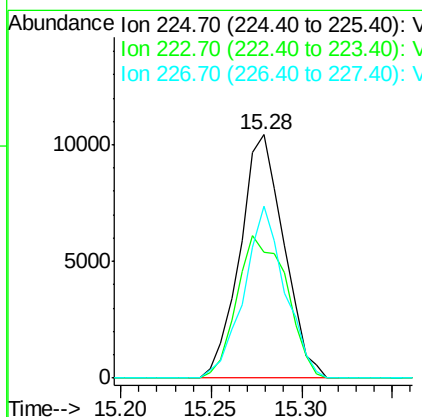
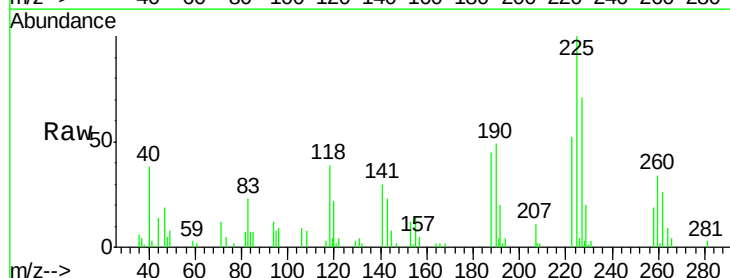
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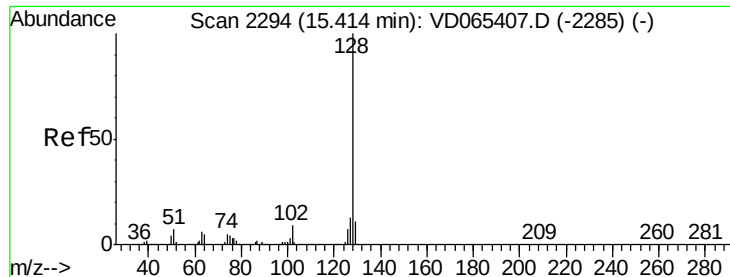
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#94  
 Hexachlorobutadiene  
 Concen: 5.019 ug/l  
 RT: 15.28 min Scan# 2271  
 Delta R.T. -0.01 min  
 Lab File: VD065420.D  
 Acq: 04 Mar 2020 19:38

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 17548 |       |       |
| 223     | 66.3  |       | 30.9  | 92.5  |
| 227     | 65.7  |       | 31.6  | 94.7  |





#95

Naphthalene

Concen: 4.392 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

Instrument :

MSVOA\_D

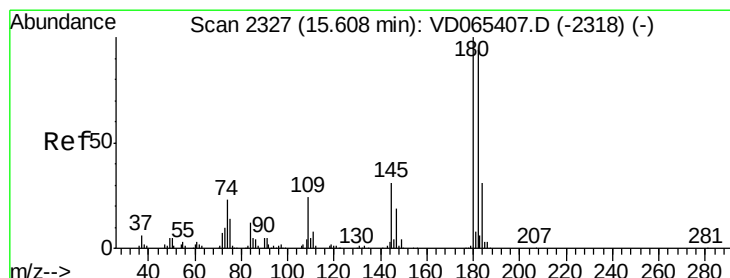
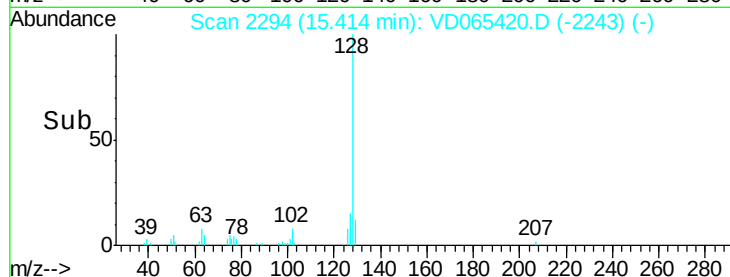
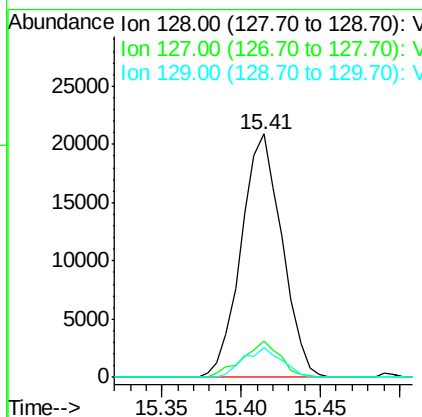
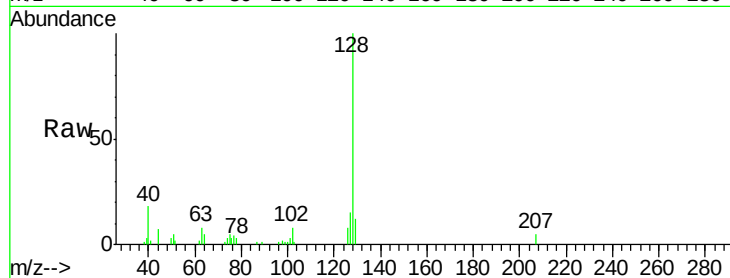
ClientSampleId :

VD0307

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 37374 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 14.0  | 10.6  | 16.0  |
| 129       | 11.5  | 8.7   | 13.1  |

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#96

1,2,3-Trichlorobenzene

Concen: 5.001 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD065420.D

Acq: 04 Mar 2020 19:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 22994 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 93.5  | 46.9  | 140.6 |
| 145       | 30.0  | 15.0  | 45.1  |

