

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071620\  
 Data File : VD065953.D  
 Acq On : 16 Jul 2020 13:18  
 Operator : VA/SY  
 Sample : VD0716SBS01  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0716SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 7/17/2020 4:43:38 PM

Quant Time: Jul 17 08:10:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D070720S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 08 09:45:47 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 360715   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.86  | 114  | 522201   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 484591   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 255505   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.33   | 65  | 142325   | 44.52 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 89.04% |      |
| 35) Dibromofluoromethane  | 7.91   | 113 | 154514   | 47.96 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.92% |      |
| 50) Toluene-d8            | 10.34  | 98  | 561239   | 47.75 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.50% |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 198819   | 49.26 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.52% |      |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 67656  | 21.098  | ug/l   | 91     |
| 3) Chloromethane              | 2.20 | 50  | 55709  | 17.524  | ug/l   | 94     |
| 4) Vinyl Chloride             | 2.35 | 62  | 51172  | 17.531  | ug/l   | 99     |
| 5) Bromomethane               | 2.76 | 94  | 32295  | 17.467  | ug/l   | 90     |
| 6) Chloroethane               | 2.92 | 64  | 31000  | 17.767  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 125661 | 20.087  | ug/l   | 97     |
| 8) Diethyl Ether              | 3.70 | 74  | 32008  | 18.650  | ug/l   | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 4.09 | 101 | 76162  | 20.353  | ug/l   | 98     |
| 10) Methyl Iodide             | 4.30 | 142 | 71136  | 19.655  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 5.21 | 59  | 23423  | 102.885 | ug/l # | 94     |
| 12) 1,1-Dichloroethene        | 4.06 | 96  | 72874  | 20.846  | ug/l   | 95     |
| 13) Acrolein                  | 3.92 | 56  | 17255  | 89.621  | ug/l   | 97     |
| 14) Allyl chloride            | 4.71 | 41  | 109274 | 18.445  | ug/l   | 97     |
| 15) Acrylonitrile             | 5.41 | 53  | 71496  | 95.147  | ug/l   | 98     |
| 16) Acetone                   | 4.16 | 43  | 75199  | 100.374 | ug/l   | 94     |
| 17) Carbon Disulfide          | 4.41 | 76  | 219379 | 19.695  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.71 | 43  | 32898  | 18.733  | ug/l   | 96     |
| 19) Methyl tert-butyl Ether   | 5.47 | 73  | 147169 | 19.885  | ug/l   | 99     |
| 20) Methylene Chloride        | 4.96 | 84  | 110989 | 22.005  | ug/l   | 94     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96  | 78900  | 20.060  | ug/l   | 91     |
| 22) Diisopropyl ether         | 6.36 | 45  | 214639 | 19.279  | ug/l   | 99     |
| 23) Vinyl Acetate             | 6.30 | 43  | 600853 | 94.551  | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 6.26 | 63  | 130647 | 19.680  | ug/l   | 99     |
| 25) 2-Butanone                | 7.21 | 43  | 95282  | 96.247  | ug/l   | 97     |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 118409 | 20.389  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 87352  | 20.670  | ug/l   | 96     |
| 28) Bromochloromethane        | 7.55 | 49  | 53737  | 21.428  | ug/l   | 94     |
| 29) Tetrahydrofuran           | 7.56 | 42  | 58062  | 92.234  | ug/l   | 99     |
| 30) Chloroform                | 7.71 | 83  | 133000 | 19.762  | ug/l   | 99     |
| 31) Cyclohexane               | 7.98 | 56  | 125349 | 19.191  | ug/l   | 94     |
| 32) 1,1,1-Trichloroethane     | 7.90 | 97  | 122709 | 19.979  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 108026 | 20.945  | ug/l   | 99     |
| 37) Ethyl Acetate             | 7.28 | 43  | 39720  | 18.380  | ug/l # | 95     |
| 38) Carbon Tetrachloride      | 8.09 | 117 | 116167 | 21.014  | ug/l   | 99     |

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 Sample : VD0716SBS01  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD0716SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 7/17/2020 4:43:38 PM

Quant Time: Jul 17 08:10:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D070720S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 08 09:45:47 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.35  | 83   | 132014   | 20.849  | ug/l   | 98       |
| 40) Benzene                    | 8.35  | 78   | 300205   | 21.070  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.52  | 41   | 26080m   | 20.787  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 81313    | 20.145  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.45  | 43   | 79434    | 19.748  | ug/l   | 96       |
| 44) Trichloroethene            | 9.11  | 130  | 89204    | 21.308  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 73281    | 20.722  | ug/l   | 94       |
| 46) Dibromomethane             | 9.47  | 93   | 37738    | 20.497  | ug/l   | 96       |
| 47) Bromodichloromethane       | 9.66  | 83   | 99907    | 20.229  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.46  | 41   | 40187    | 19.846  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.46  | 88   | 8839     | 404.047 | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 199435   | 98.071  | ug/l   | 99       |
| 52) Toluene                    | 10.40 | 92   | 196329   | 21.659  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.62 | 75   | 95352    | 20.533  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 10.09 | 75   | 118195   | 21.064  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 54441    | 21.461  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.66 | 69   | 63050    | 20.350  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 91688    | 20.668  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 169758   | 113.134 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.98 | 43   | 140927   | 100.765 | ug/l   | 96       |
| 60) Dibromochloromethane       | 11.14 | 129  | 73277    | 21.143  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 54009    | 21.354  | ug/l   | 97       |
| 64) Tetrachloroethene          | 10.88 | 164  | 78013    | 22.137  | ug/l   | 90       |
| 65) Chlorobenzene              | 11.67 | 112  | 211335   | 21.641  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 79676    | 21.814  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.74 | 91   | 368849   | 21.261  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.86 | 106  | 290713   | 44.106  | ug/l   | 97       |
| 69) o-Xylene                   | 12.18 | 106  | 127900   | 21.302  | ug/l   | 100      |
| 70) Styrene                    | 12.20 | 104  | 227567   | 21.956  | ug/l   | 98       |
| 71) Bromoform                  | 12.36 | 173  | 43939    | 21.260  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.48 | 105  | 364415   | 20.436  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.29 | 43   | 73673    | 18.412  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.73 | 83   | 58034    | 19.603  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.78 | 75   | 39945m   | 18.637  | ug/l   |          |
| 77) Bromobenzene               | 12.76 | 156  | 89452    | 20.683  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.82 | 91   | 423440   | 20.254  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 234261   | 19.752  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.96 | 105  | 302684   | 20.753  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.53 | 75   | 18500    | 18.546  | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 250933   | 20.166  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 261802   | 21.069  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 300078   | 20.669  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.40 | 105  | 363618   | 20.648  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.52 | 119  | 335184   | 20.810  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.52 | 146  | 172314   | 21.292  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 168078   | 20.817  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.85 | 91   | 301544   | 19.936  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.11 | 117  | 66888    | 20.593  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene        | 13.89 | 146  | 143383   | 20.271  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51 | 75   | 9447     | 19.084  | ug/l   | 94       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071620\  
Data File : VD065953.D  
Acq On : 16 Jul 2020 13:18  
Operator : VA/SY  
Sample : VD0716SBS01  
Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0716SBS01

Manual Integrations  
APPROVED

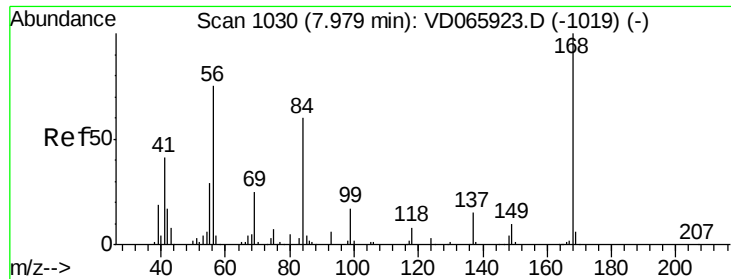
MMDadoda  
7/17/2020 4:43:38 PM

Quant Time: Jul 17 08:10:04 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D070720S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jul 08 09:45:47 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 108708   | 21.564 | ug/l  | 96       |
| 94) Hexachlorobutadiene    | 15.27 | 225  | 64796    | 21.248 | ug/l  | 98       |
| 95) Naphthalene            | 15.40 | 128  | 168297   | 19.905 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 15.60 | 180  | 93334    | 21.464 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0716SBS01

Tot Ion:168 Resp: 360715

Ion Ratio Lower Upper

168 100

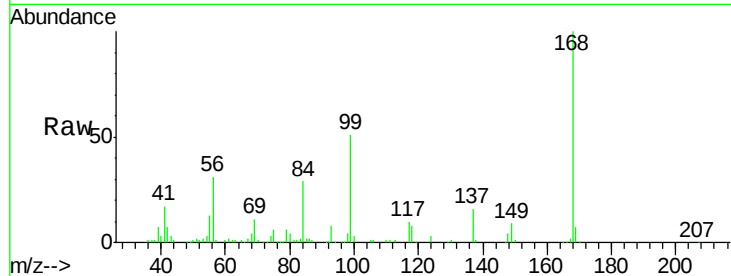
99 50.5 43.1 64.7

Manual Integrations

APPROVED

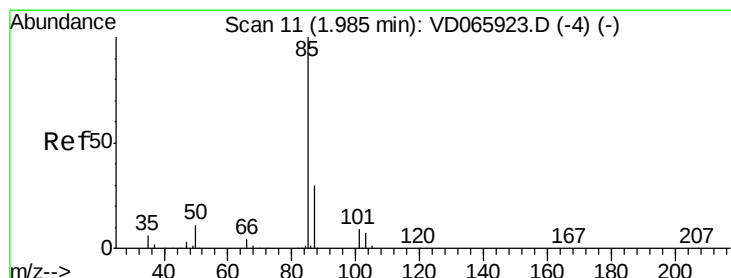
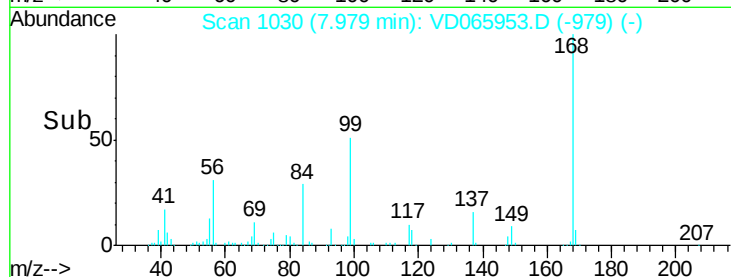
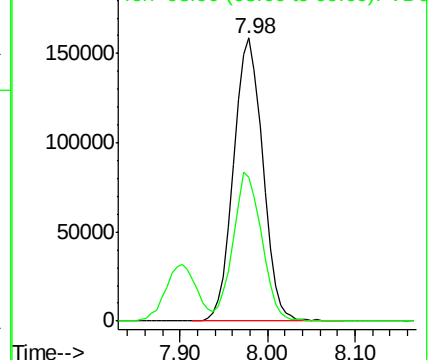
MMDadoda

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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: 21.098 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065953.D

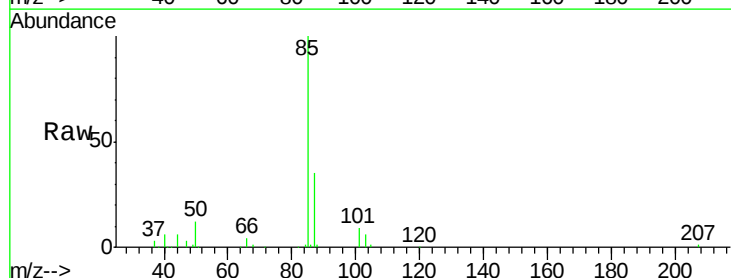
Acq: 16 Jul 2020 13:18

Tgt Ion: 85 Resp: 67656

Ion Ratio Lower Upper

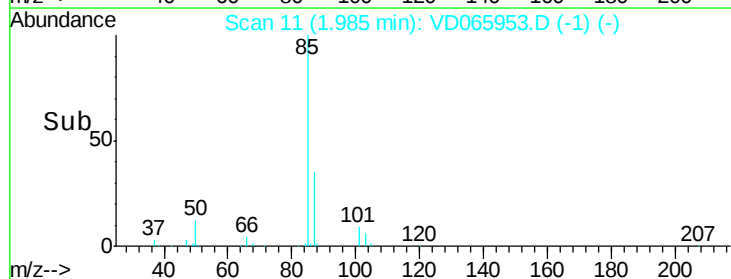
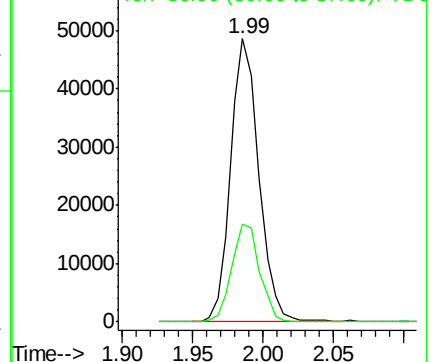
85 100

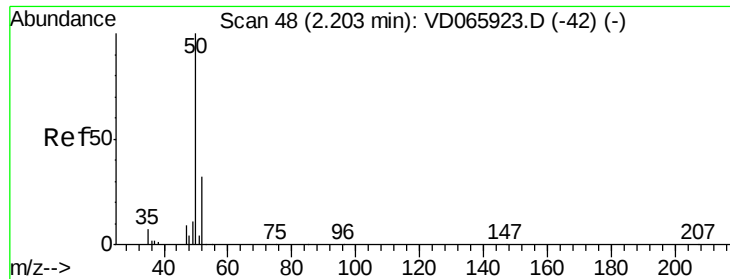
87 34.6 14.9 44.9



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.524 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0716SBS01

Tot Ion: 50 Resp: 55709

Ion Ratio Lower Upper

50 100

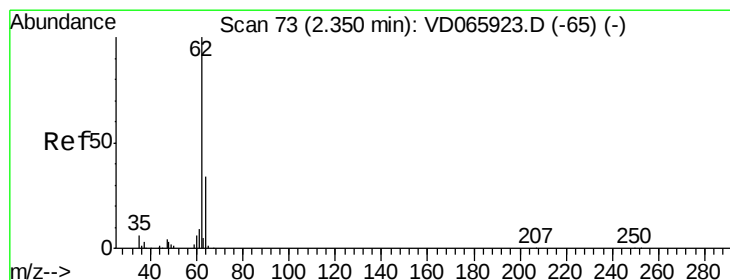
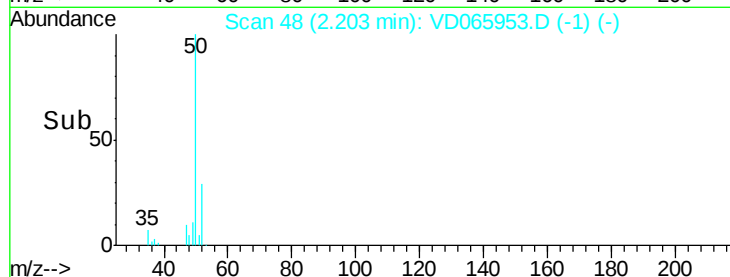
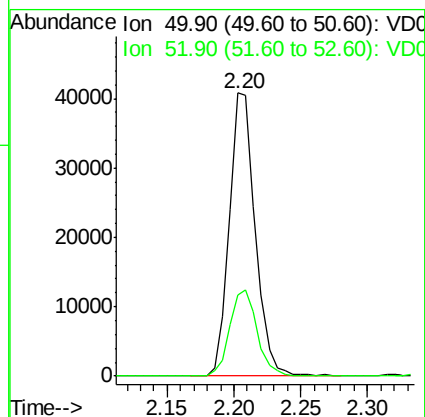
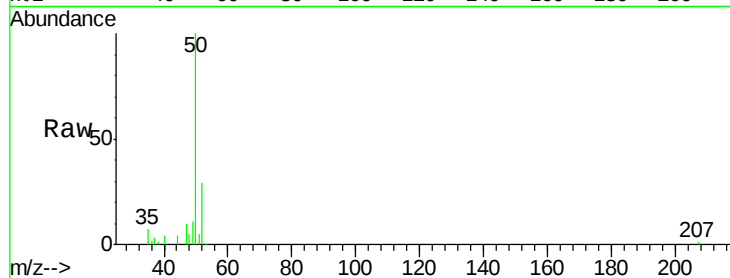
52 28.8 25.6 38.4

Manual Integrations

APPROVED

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7/17/2020 4:43:38 PM



#4

Vinyl Chloride

Concen: 17.531 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065953.D

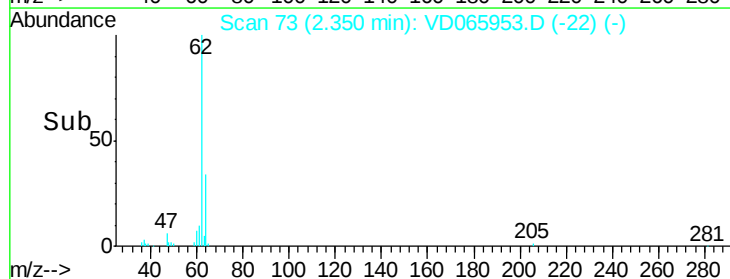
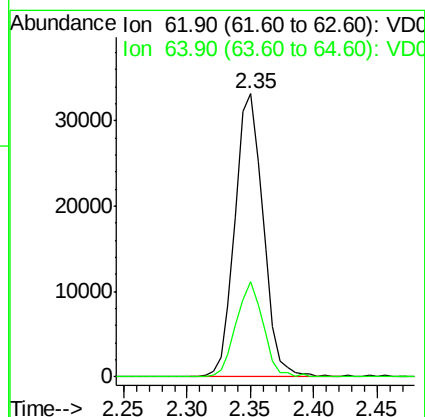
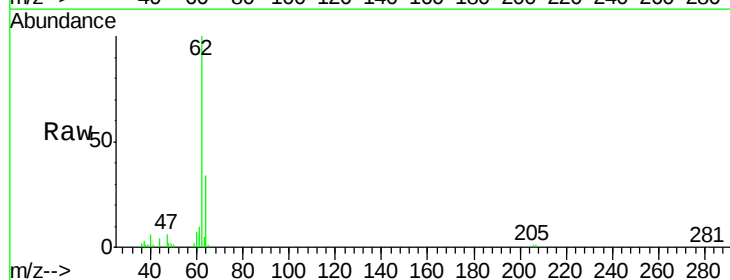
Acq: 16 Jul 2020 13:18

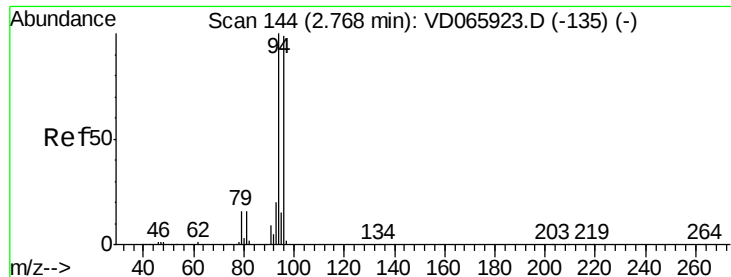
Tgt Ion: 62 Resp: 51172

Ion Ratio Lower Upper

62 100

64 33.5 27.2 40.8





#5

Bromomethane

Concen: 17.467 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0716SBS01

Tot Ion: 94 Resp: 32295

Ion Ratio Lower Upper

94 100

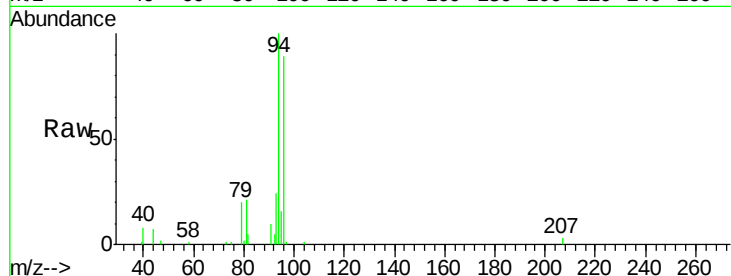
96 88.6 78.8 118.2

Manual Integrations

APPROVED

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7/17/2020 4:43:38 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

15000

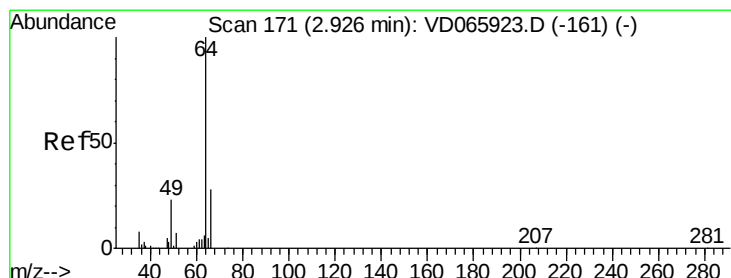
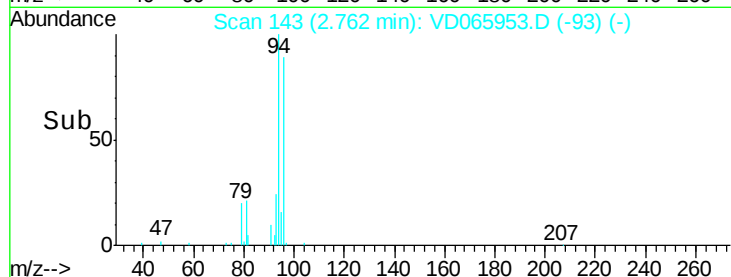
10000

5000

0

2.70 2.75 2.80 2.85

Time-->



#6

Chloroethane

Concen: 17.767 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065953.D

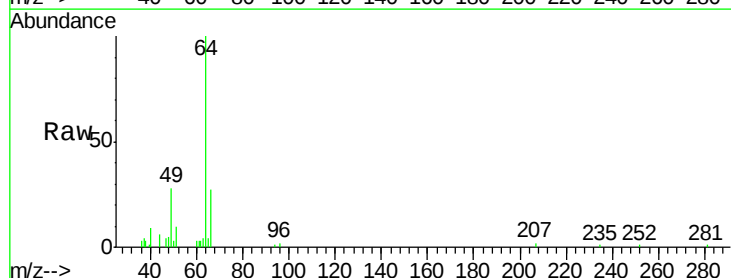
Acq: 16 Jul 2020 13:18

Tgt Ion: 64 Resp: 31000

Ion Ratio Lower Upper

64 100

66 26.8 22.6 33.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

15000

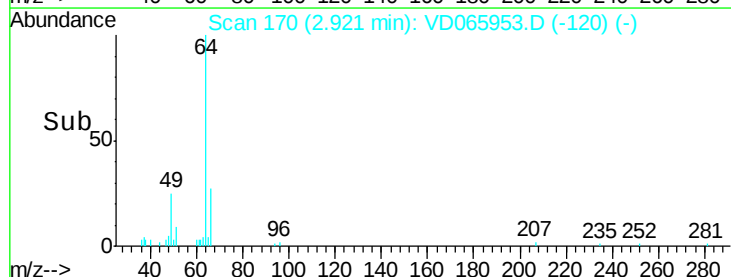
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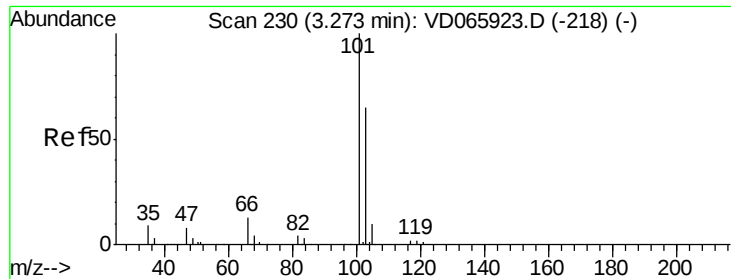
5000

0

2.85 2.90 2.95 3.00

Time-->





#7

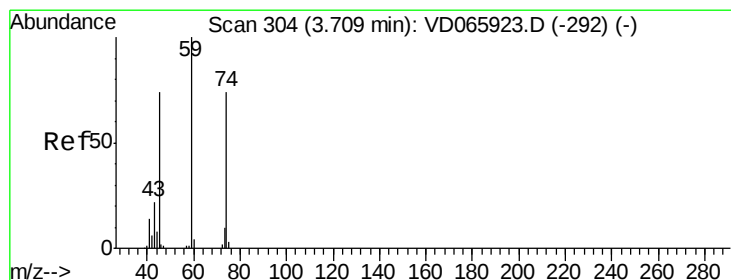
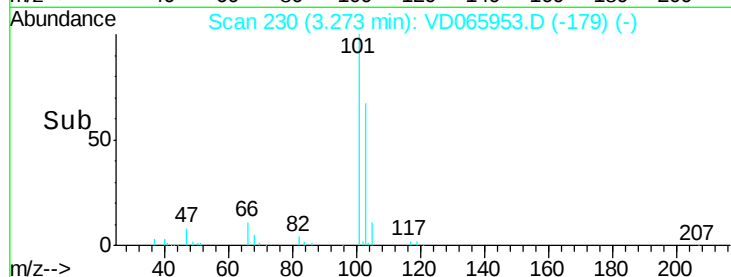
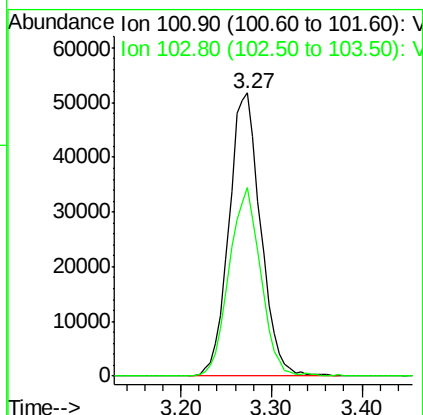
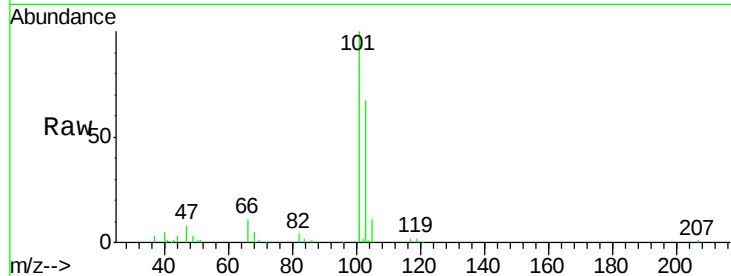
Trichlorofluoromethane  
 Concen: 20.087 ug/l  
 RT: 3.27 min Scan# 230  
 Delta R.T. 0.00 min  
 Lab File: VD065953.D  
 Acq: 16 Jul 2020 13:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0716SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 125661 |       |       |
| 103     | 66.8  | 51.7   | 77.5  |       |

Manual Integrations  
 APPROVED

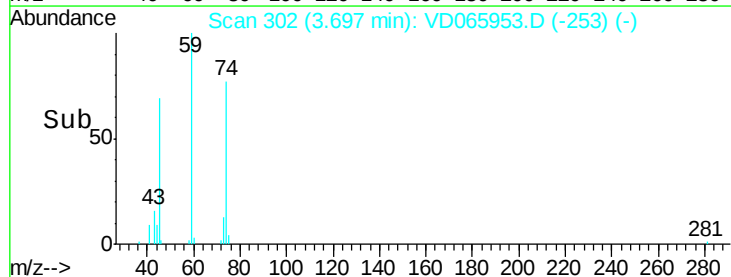
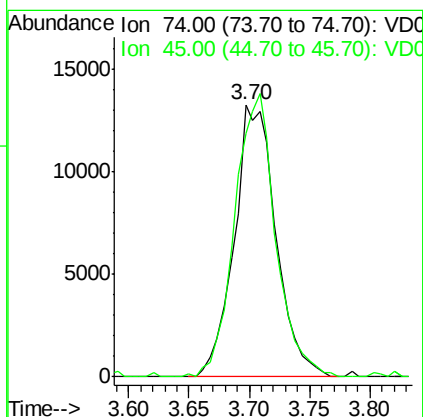
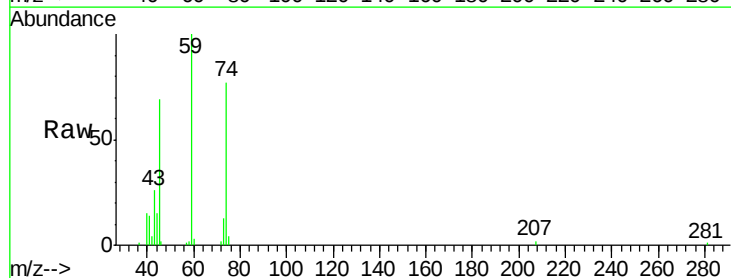
MMDadoda  
 7/17/2020 4:43:38 PM

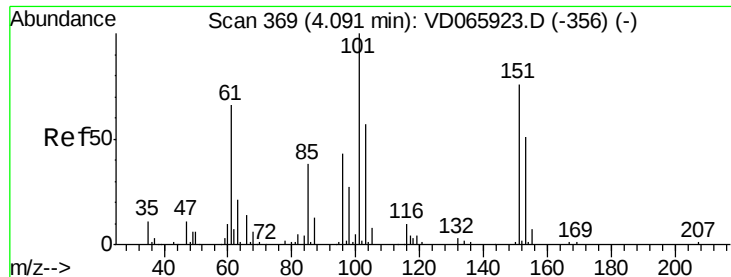


#8

Diethyl Ether  
 Concen: 18.650 ug/l  
 RT: 3.70 min Scan# 302  
 Delta R.T. -0.01 min  
 Lab File: VD065953.D  
 Acq: 16 Jul 2020 13:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 74      | 100   | 32008 |       |       |
| 45      | 102.2 | 51.1  | 153.3 |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.353 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA\_D

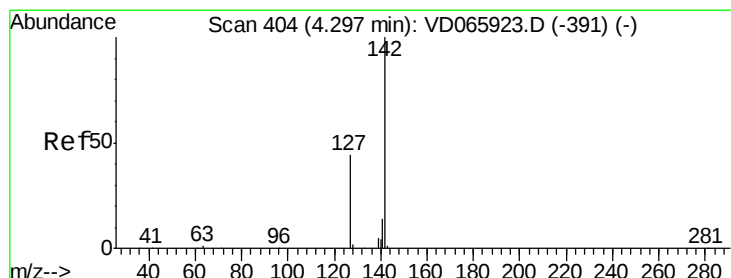
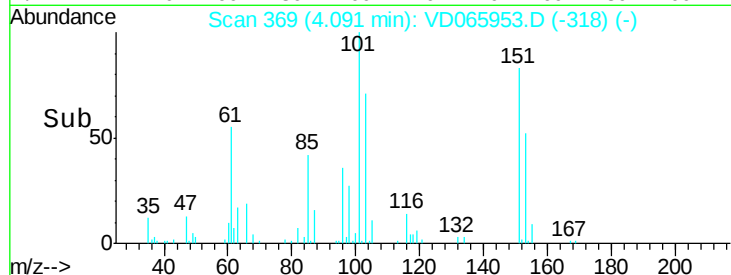
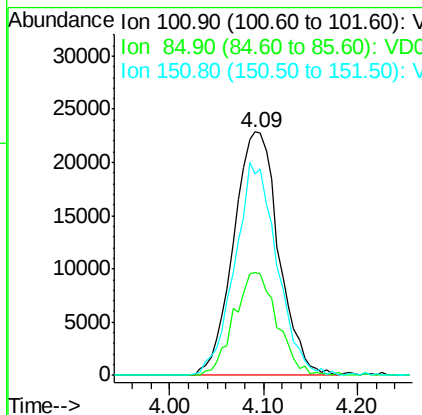
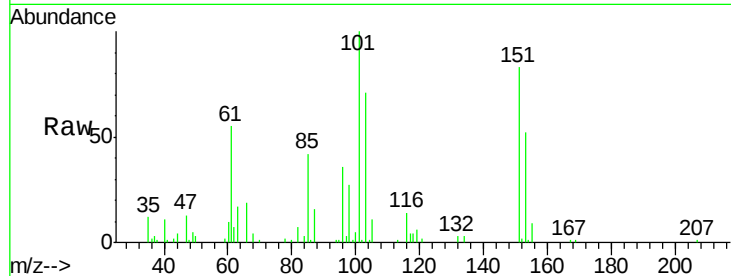
ClientSampleId :

VD0716SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 76162 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 40.4  | 33.8  | 50.8  |
| 151       | 81.6  | 64.1  | 96.1  |

Manual Integrations  
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MMDadoda  
7/17/2020 4:43:38 PM



#10

Methyl Iodide

Concen: 19.655 ug/l

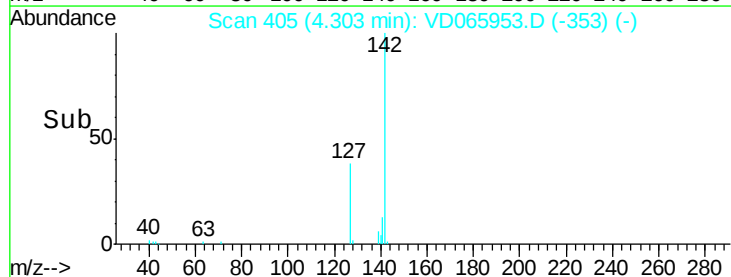
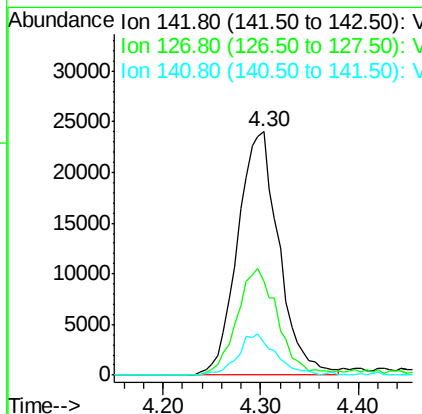
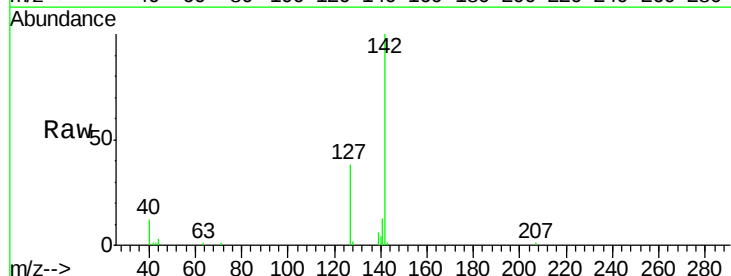
RT: 4.30 min Scan# 405

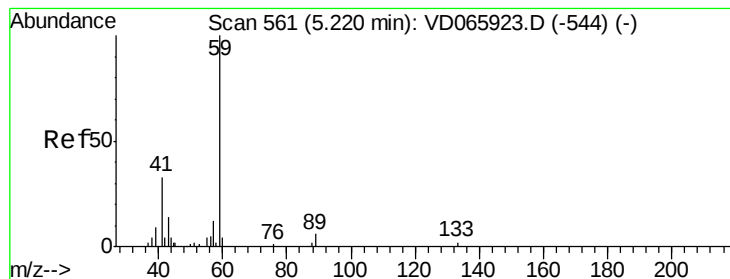
Delta R.T. 0.01 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 71136 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 43.2  | 34.6  | 51.8  |
| 141       | 15.4  | 11.6  | 17.4  |





#11

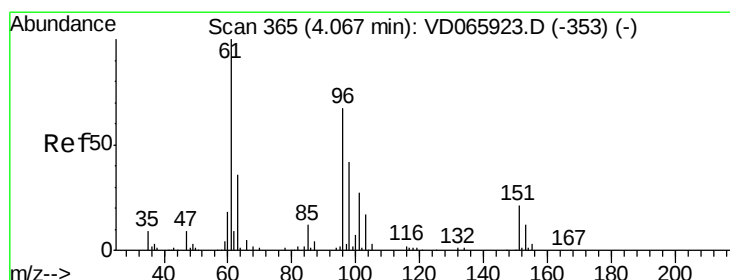
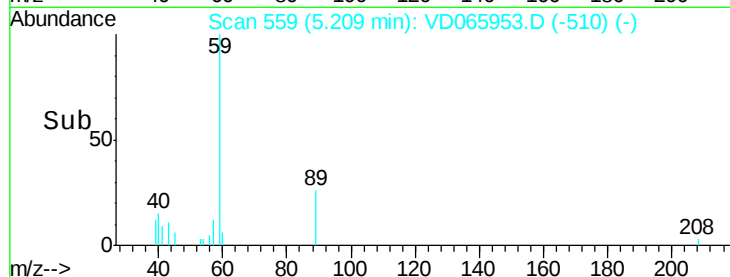
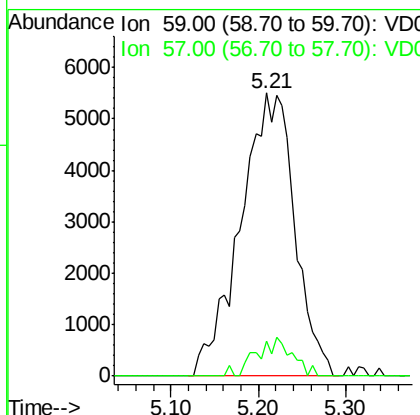
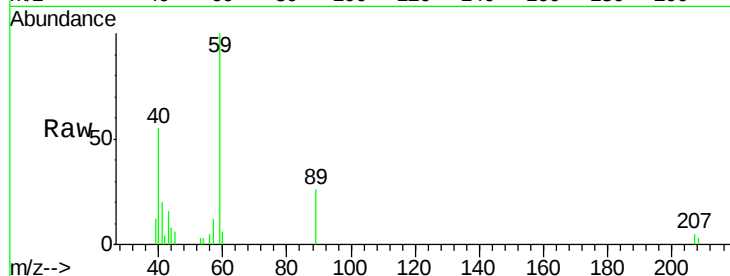
Tert butyl alcohol  
 Concen: 102.885 ug/l  
 RT: 5.21 min Scan# 559  
 Delta R.T. -0.01 min  
 Lab File: VD065953.D  
 Acq: 16 Jul 2020 13:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0716SBS01

Tot Ion: 59 Resp: 23423  
 Ion Ratio Lower Upper  
 59 100  
 57 8.6 8.7 13.1#

Manual Integrations  
 APPROVED

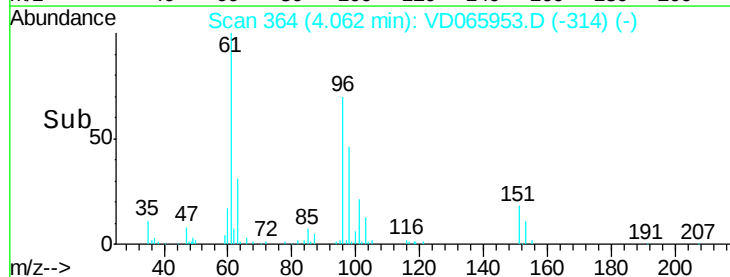
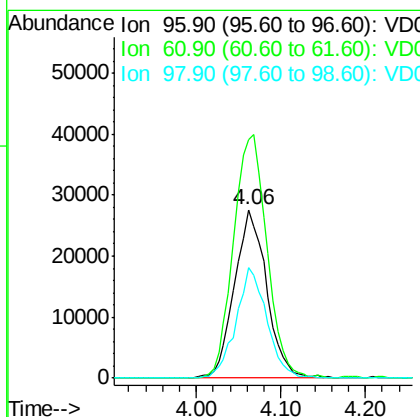
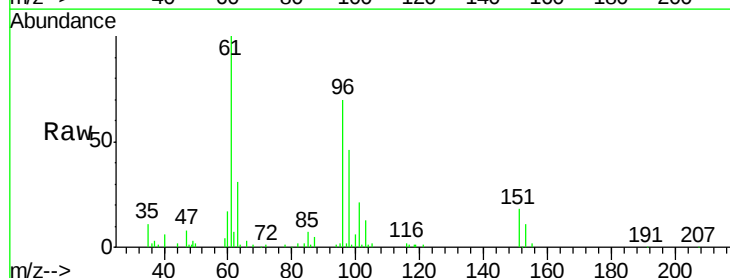
MMDadoda  
 7/17/2020 4:43:38 PM

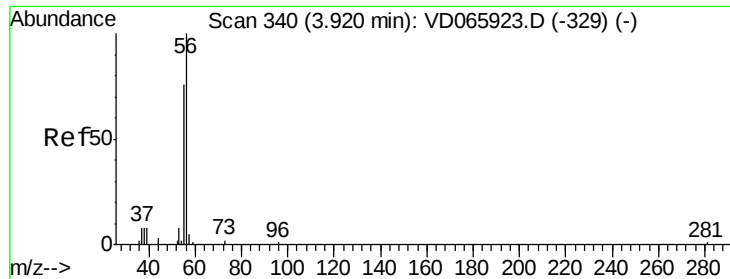


#12

1,1-Dichloroethene  
 Concen: 20.846 ug/l  
 RT: 4.06 min Scan# 364  
 Delta R.T. -0.01 min  
 Lab File: VD065953.D  
 Acq: 16 Jul 2020 13:18

Tgt Ion: 96 Resp: 72874  
 Ion Ratio Lower Upper  
 96 100  
 61 142.0 120.2 180.2  
 98 65.5 50.6 76.0





#13

Acrolein

Concen: 89.621 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0716SBS01

Tot Ion: 56 Resp: 17255

Ion Ratio Lower Upper

56 100

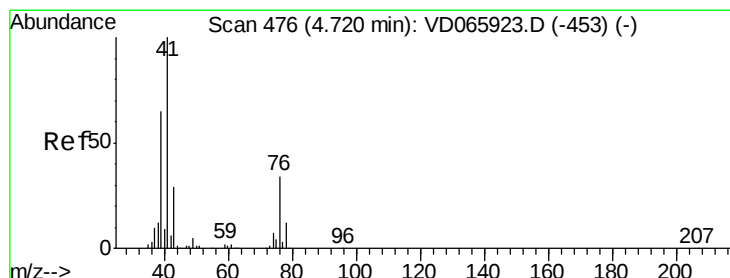
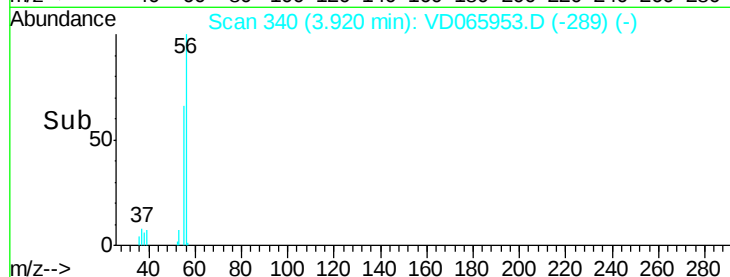
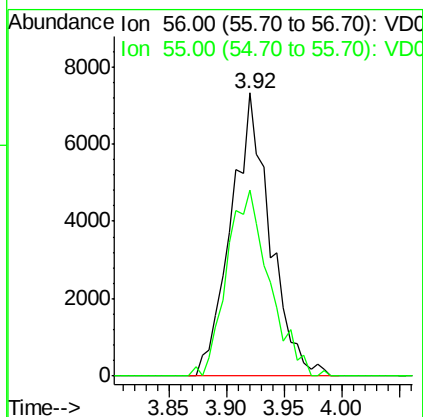
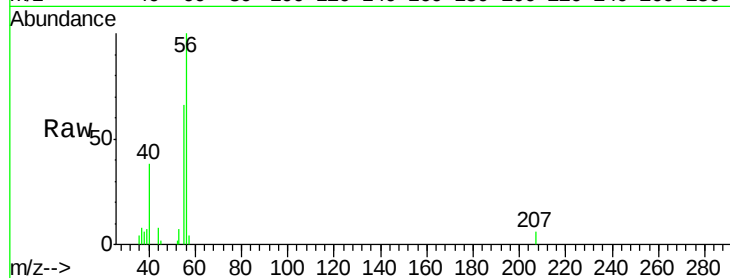
55 71.1 55.0 82.6

Manual Integrations

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7/17/2020 4:43:38 PM



#14

Allyl chloride

Concen: 18.445 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

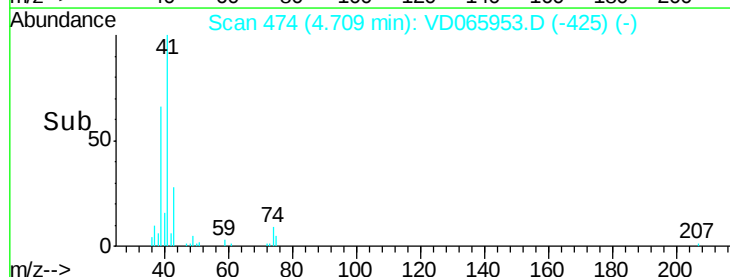
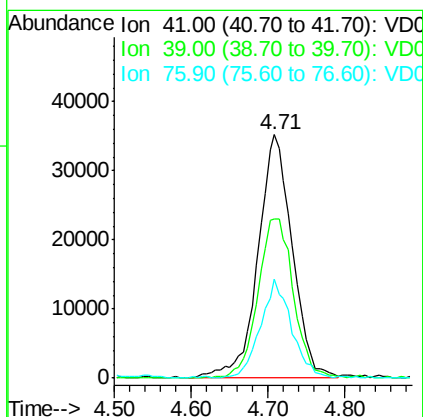
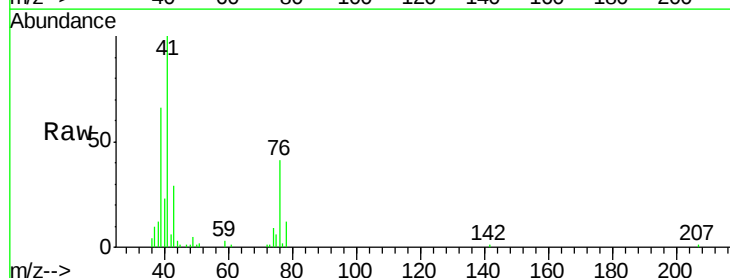
Tgt Ion: 41 Resp: 109274

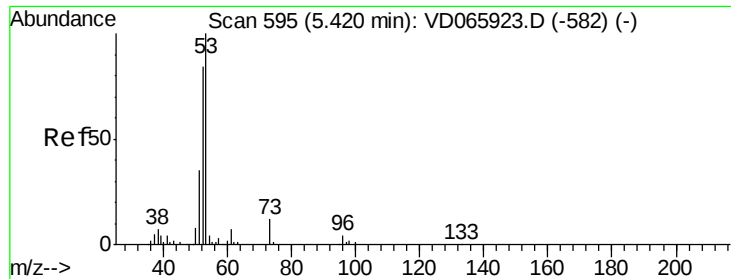
Ion Ratio Lower Upper

41 100

39 68.0 52.2 78.4

76 36.7 28.1 42.1





#15

Acrylonitrile

Concen: 95.147 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA\_D

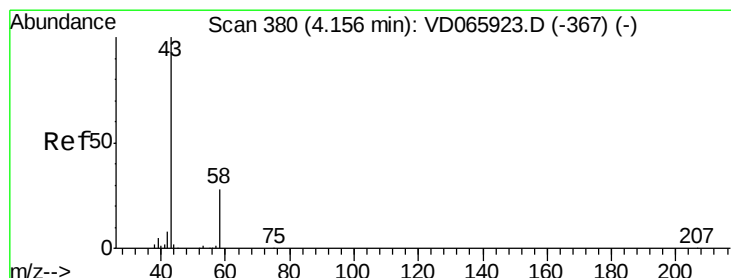
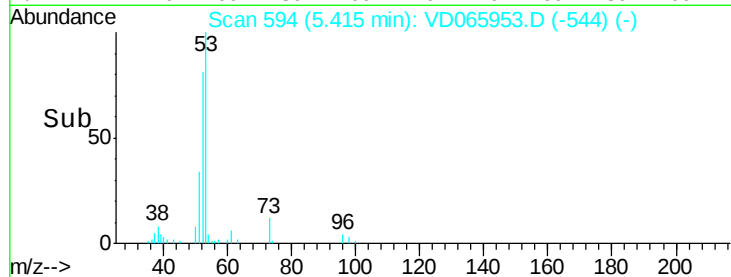
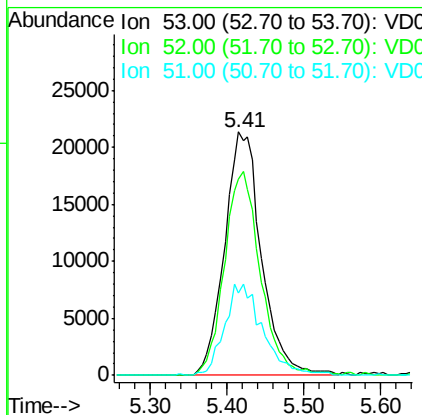
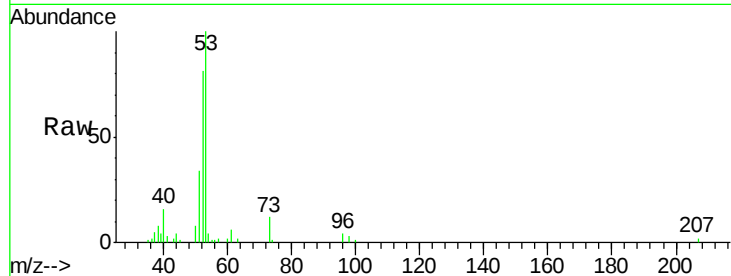
ClientSampleId :

VD0716SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 71496 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 81.6  | 66.3  | 99.5  |
| 51       | 38.6  | 29.8  | 44.8  |

Manual Integrations  
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MMDadoda  
7/17/2020 4:43:38 PM



#16

Acetone

Concen: 100.374 ug/l

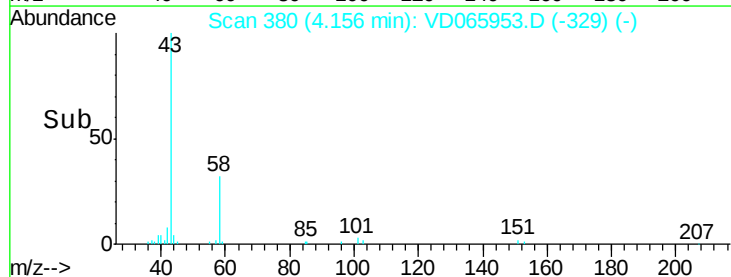
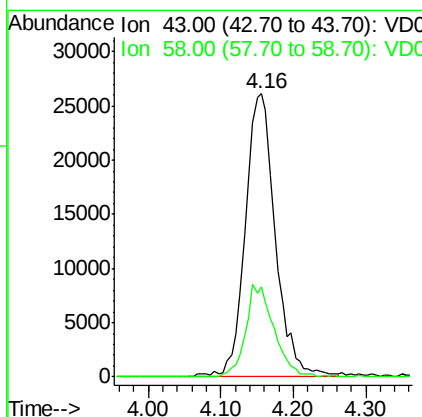
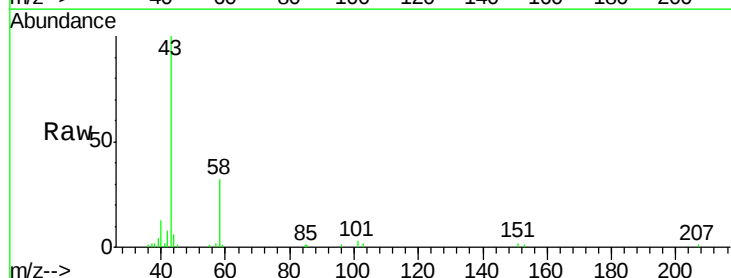
RT: 4.16 min Scan# 380

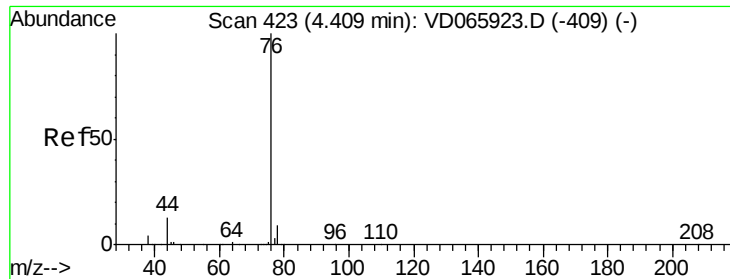
Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 75199 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 31.7  | 22.7  | 34.1  |





#17

Carbon Disulfide

Concen: 19.695 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0716SBS01

Tot Ion: 76 Resp: 219379

Ion Ratio Lower Upper

76 100

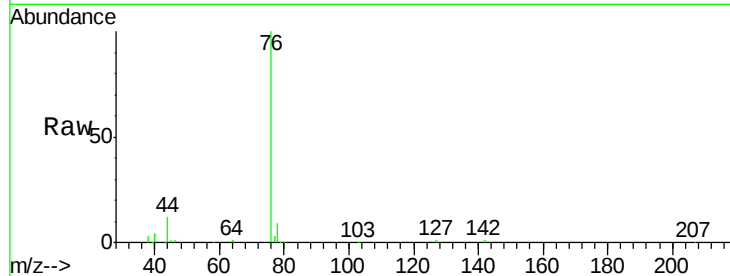
78 9.4 7.5 11.3

Manual Integrations

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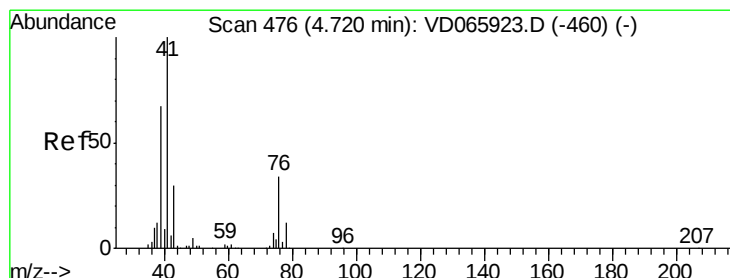
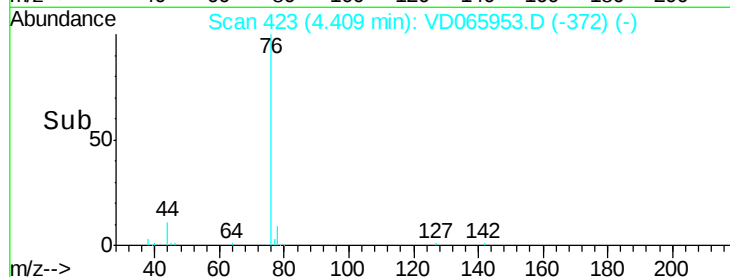
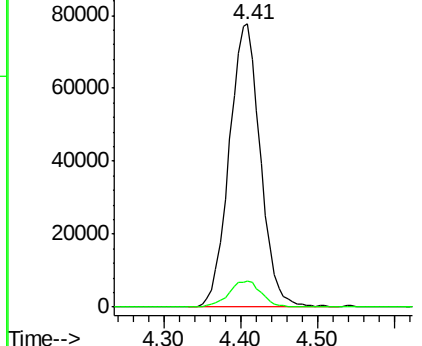
MMDadoda

7/17/2020 4:43:38 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 18.733 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065953.D

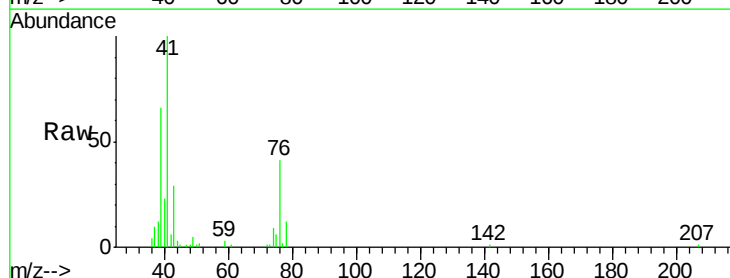
Acq: 16 Jul 2020 13:18

Tgt Ion: 43 Resp: 32898

Ion Ratio Lower Upper

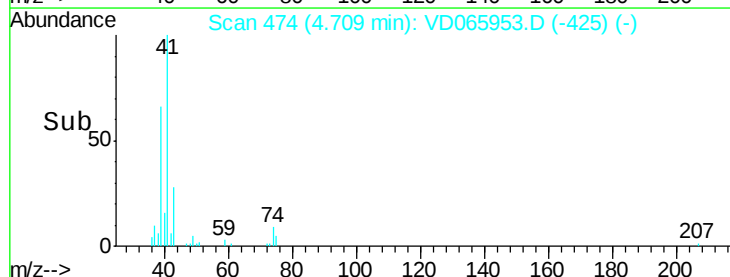
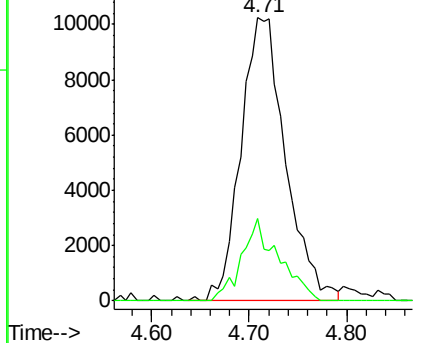
43 100

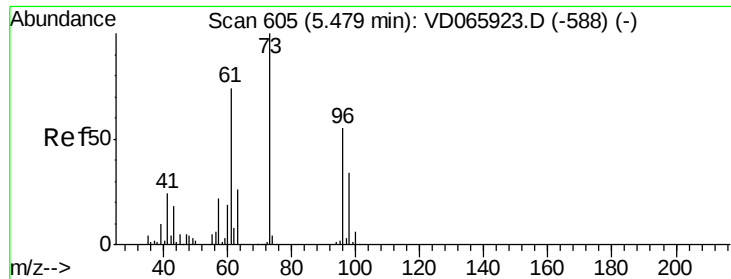
74 24.2 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





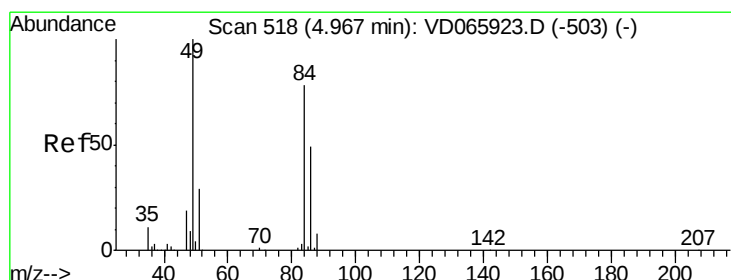
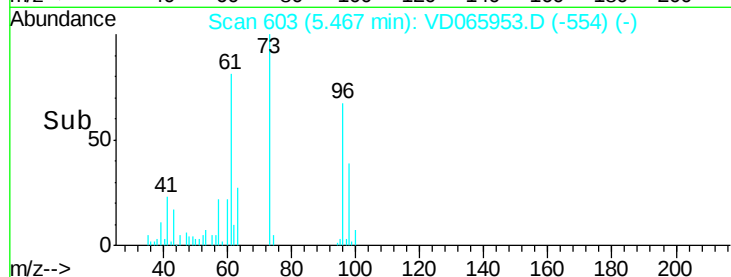
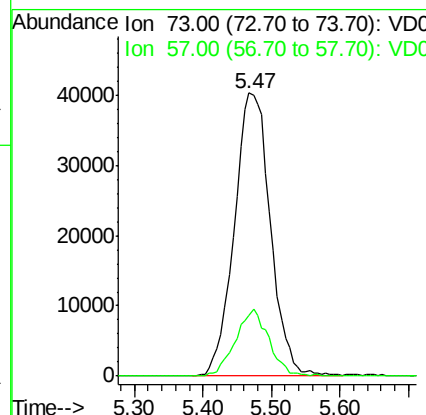
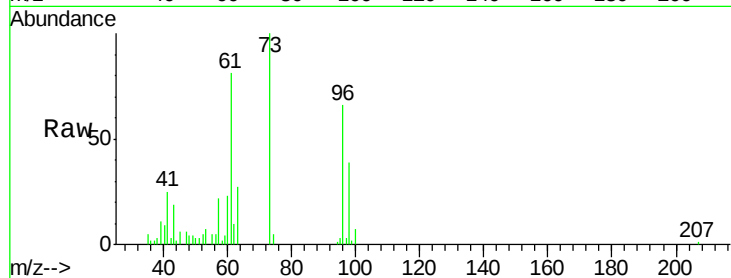
#19  
Methvl tert-butvl Ether  
Concen: 19.885 ug/l  
RT: 5.47 min Scan# 603  
Delta R.T. -0.01 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0716SBS01

Tot Ion: 73 Resp: 147169  
Ion Ratio Lower Upper  
73 100  
57 21.6 17.7 26.5

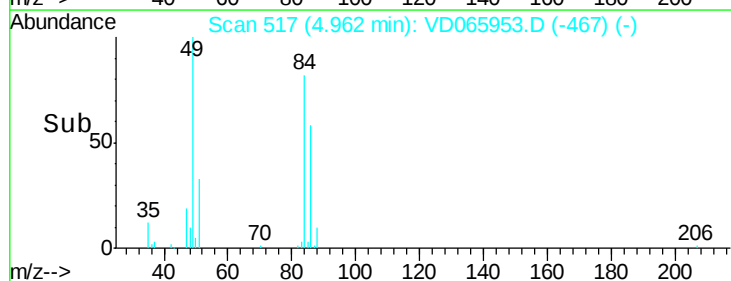
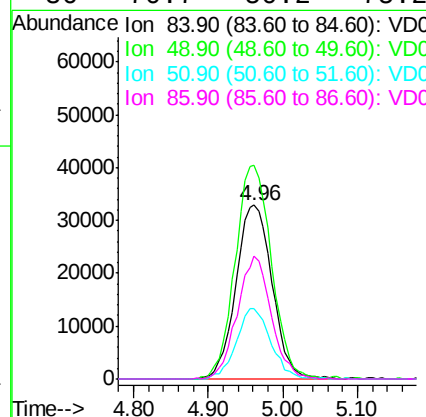
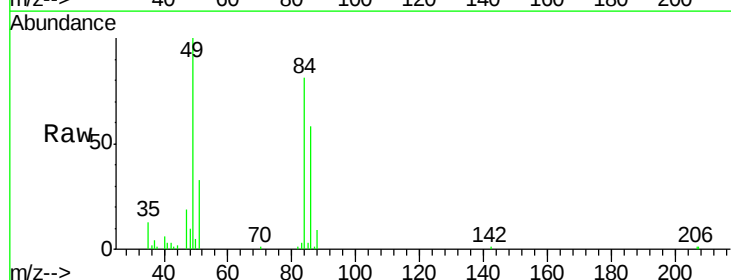
Manual Integrations  
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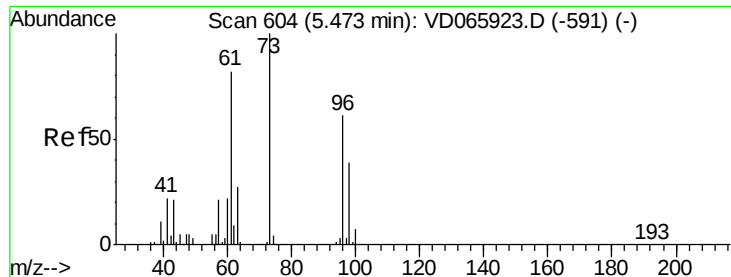
MMDadoda  
7/17/2020 4:43:38 PM



#20  
Methylene Chloride  
Concen: 22.005 ug/l  
RT: 4.96 min Scan# 517  
Delta R.T. -0.01 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

Tgt Ion: 84 Resp: 110989  
Ion Ratio Lower Upper  
84 100  
49 122.9 102.2 153.2  
51 40.8 29.8 44.6  
86 70.7 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 20.060 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA\_D

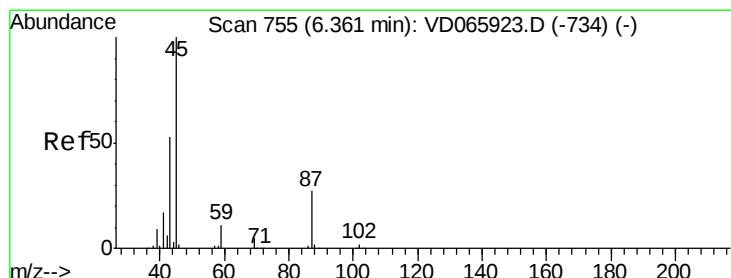
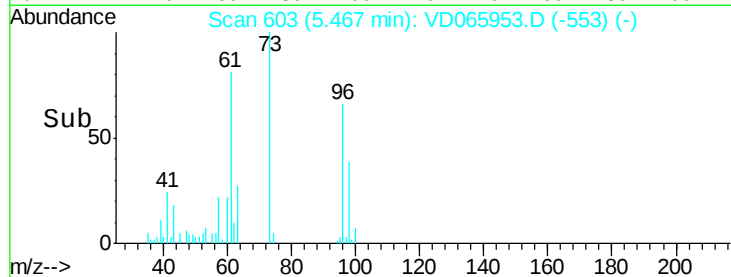
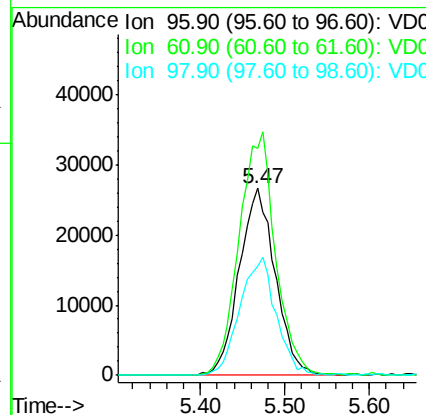
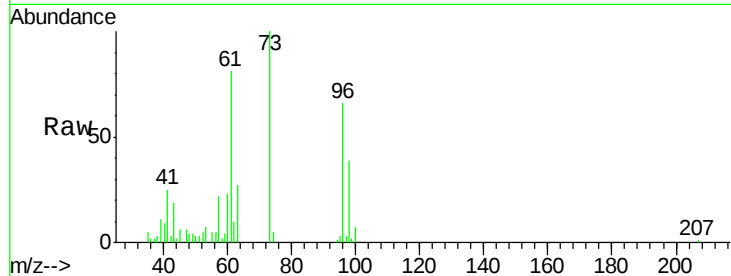
ClientSampleId :

VD0716SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 78900 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 121.6 | 106.6 | 160.0 |
| 98       | 58.6  | 51.0  | 76.6  |

Manual Integrations  
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MMDadoda  
7/17/2020 4:43:38 PM



#22

Diisopropyl ether

Concen: 19.279 ug/l

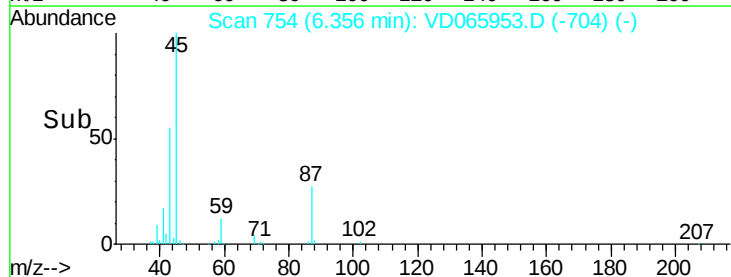
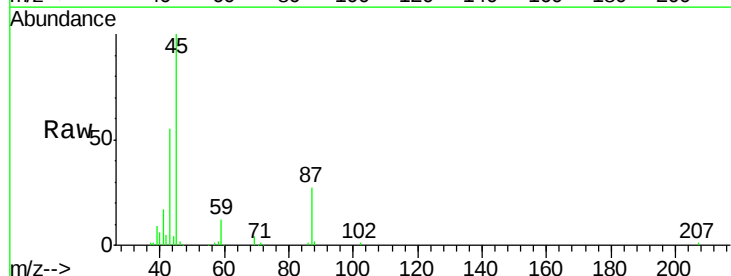
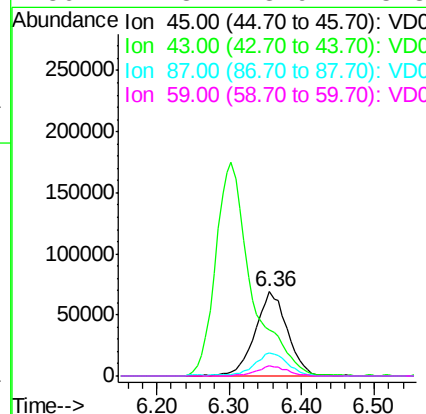
RT: 6.36 min Scan# 754

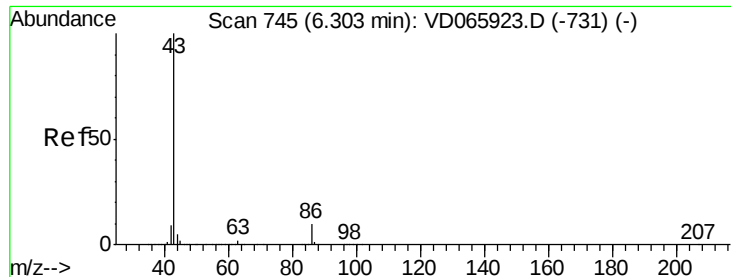
Delta R.T. -0.01 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 214639 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 53.4  | 42.5  | 63.7   |
| 87       | 27.1  | 22.2  | 33.2   |
| 59       | 11.8  | 8.9   | 13.3   |





#23

Vinyl Acetate

Concen: 94.551 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0716SBS01

Tot Ion: 43 Resp: 600853

Ion Ratio Lower Upper

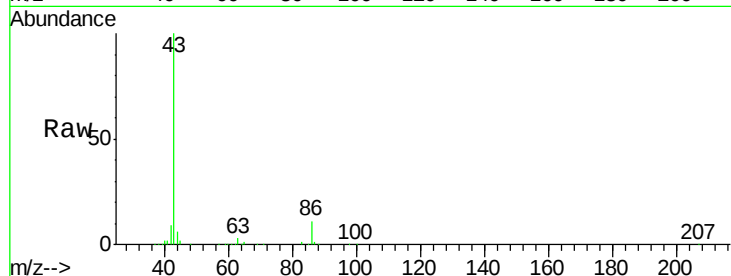
43 100

86 10.6 8.1 12.1

Manual Integrations  
APPROVED

MMDadoda

7/17/2020 4:43:38 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

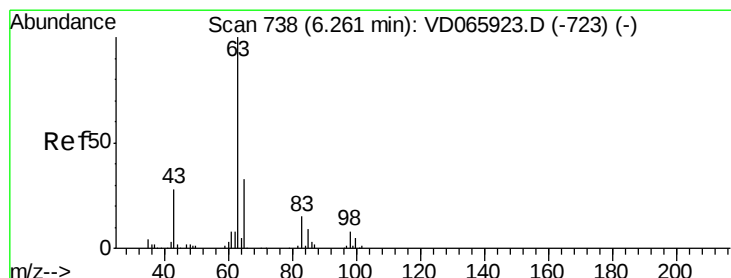
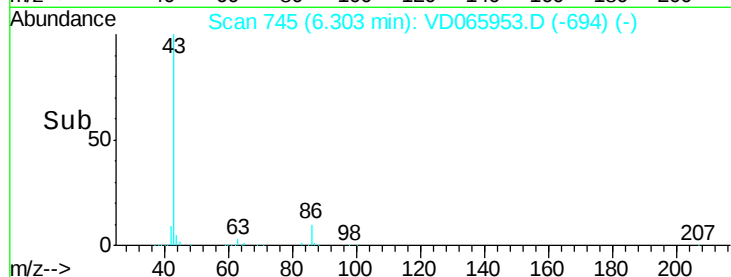
150000

100000

50000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 19.680 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

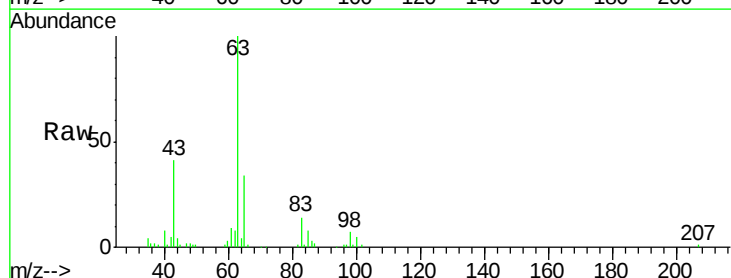
Tgt Ion: 63 Resp: 130647

Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.4

100 5.4 2.5 7.5



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

6.26

50000

40000

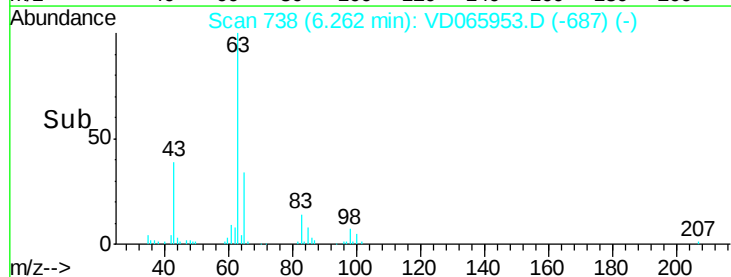
30000

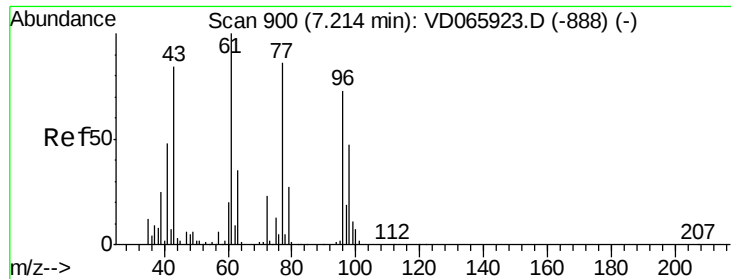
20000

10000

0

Time--> 6.10 6.20 6.30 6.40





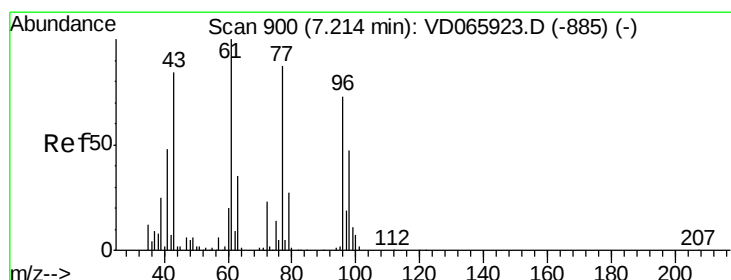
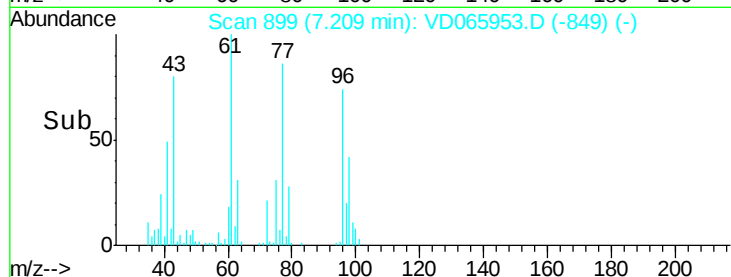
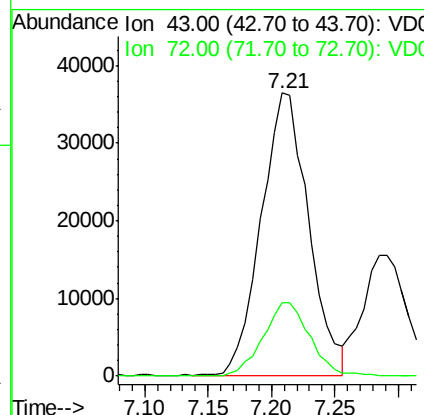
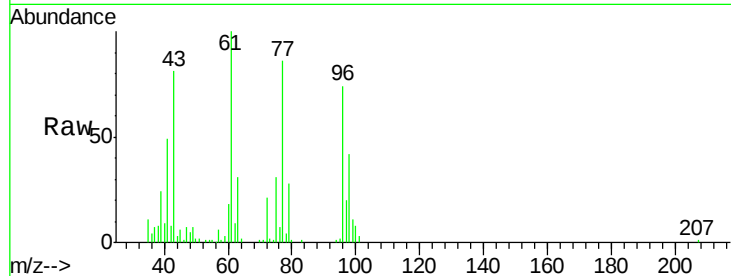
#25  
2-Butanone  
Concen: 96.247 ug/l  
RT: 7.21 min Scan# 899  
Delta R.T. -0.01 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0716SBS01

Tot Ion: 43 Resp: 95282  
Ion Ratio Lower Upper  
43 100  
72 25.9 22.1 33.1

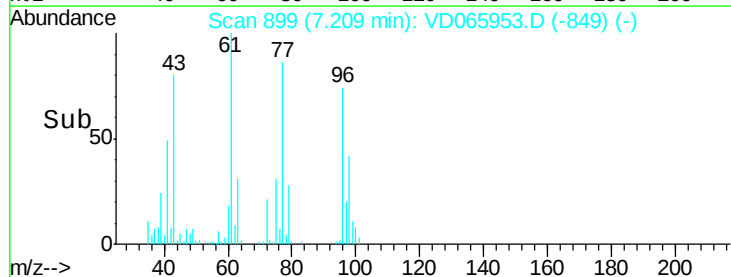
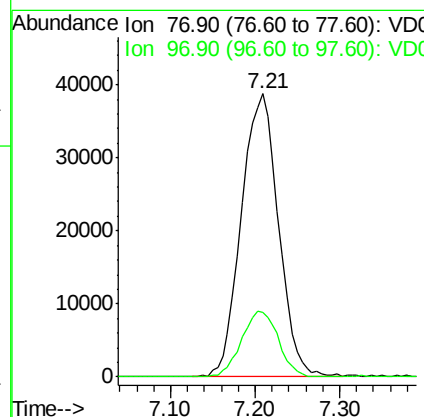
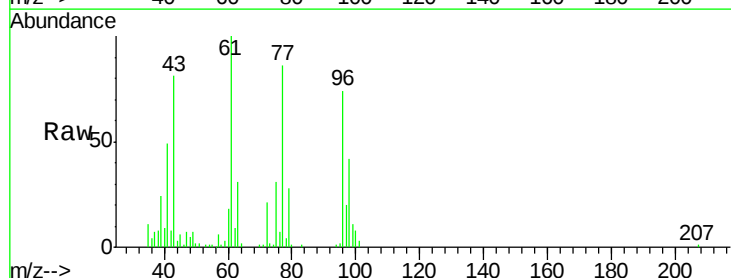
Manual Integrations  
APPROVED

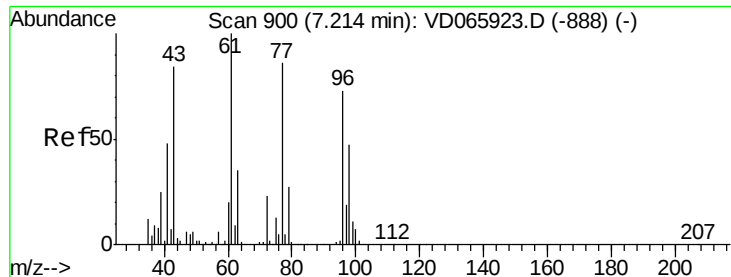
MMDadoda  
7/17/2020 4:43:38 PM



#26  
2,2-Dichloropropane  
Concen: 20.389 ug/l  
RT: 7.21 min Scan# 899  
Delta R.T. -0.01 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

Tgt Ion: 77 Resp: 118409  
Ion Ratio Lower Upper  
77 100  
97 22.9 11.6 34.8





#27

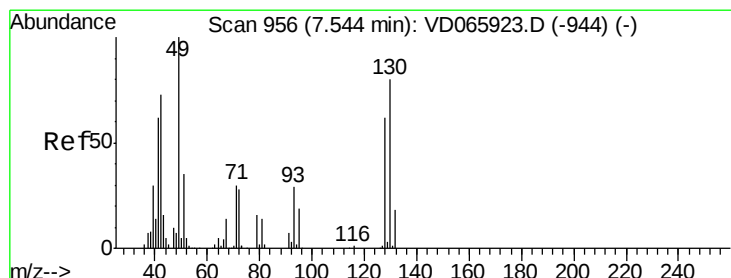
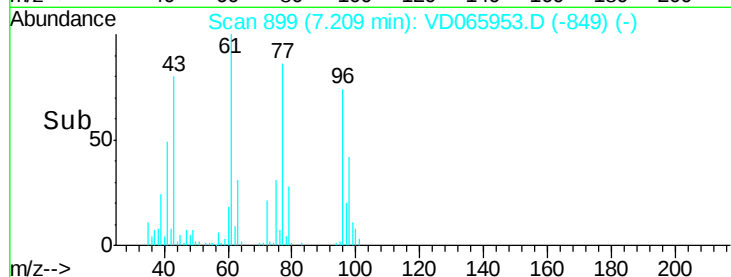
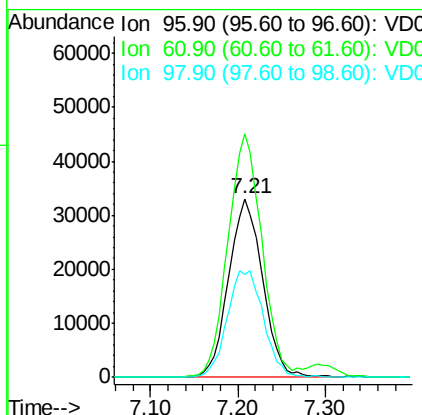
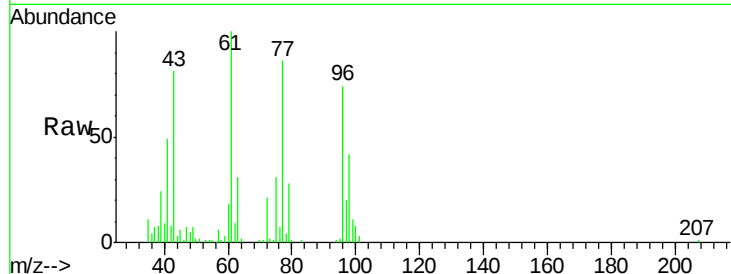
cis-1,2-Dichloroethene  
Concen: 20.670 ug/l  
RT: 7.21 min Scan# 899  
Delta R.T. -0.01 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0716SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 135.7 | 0.0   | 286.6 |
| 98      | 63.6  | 0.0   | 128.2 |

Manual Integrations  
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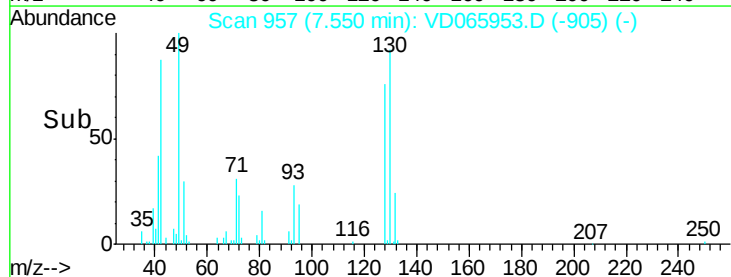
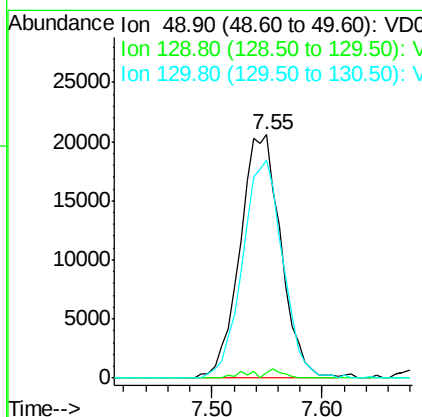
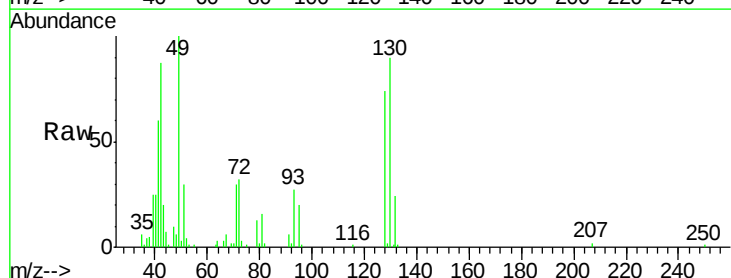
MMDadoda  
7/17/2020 4:43:38 PM

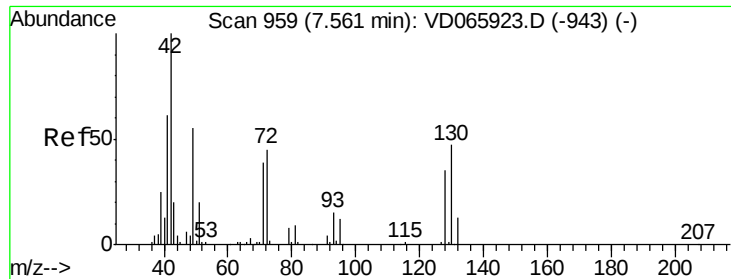


#28

Bromochloromethane  
Concen: 21.428 ug/l  
RT: 7.55 min Scan# 957  
Delta R.T. 0.01 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.5   | 0.0   | 4.8   |
| 130     | 87.8  | 65.8  | 98.8  |





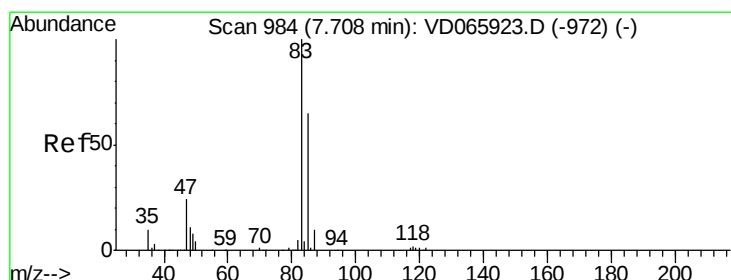
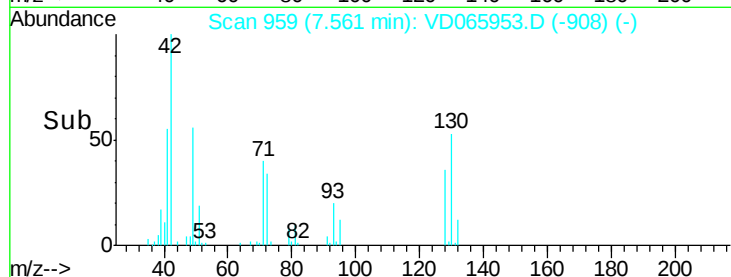
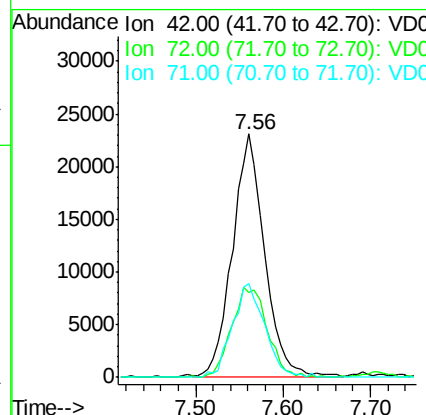
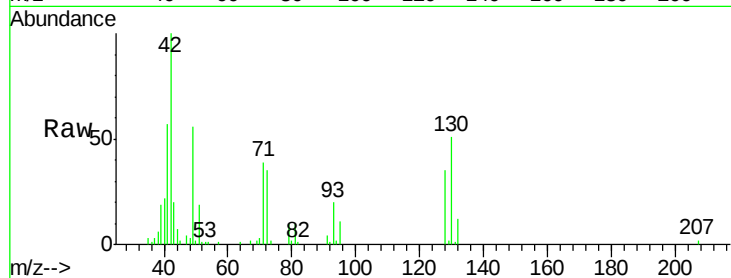
#29  
Tetrahydrofuran  
Concen: 92.234 ug/l  
RT: 7.56 min Scan# 959  
Delta R.T. 0.00 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0716SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 40.4  | 32.8  | 49.2  |
| 71      | 38.5  | 31.0  | 46.4  |

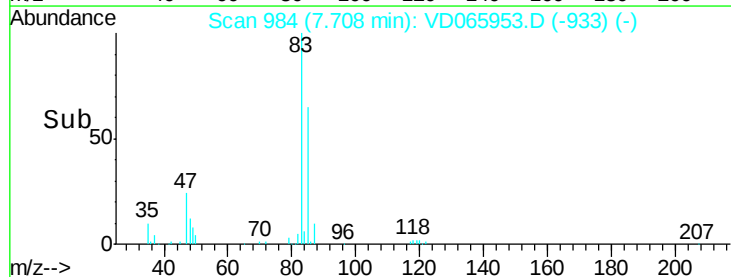
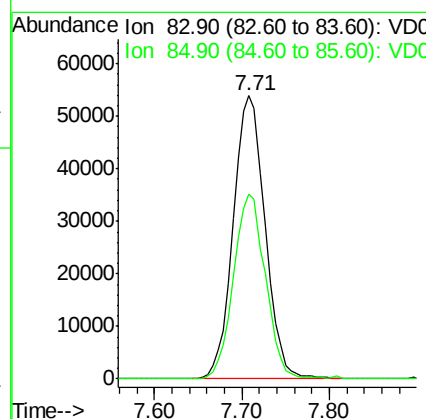
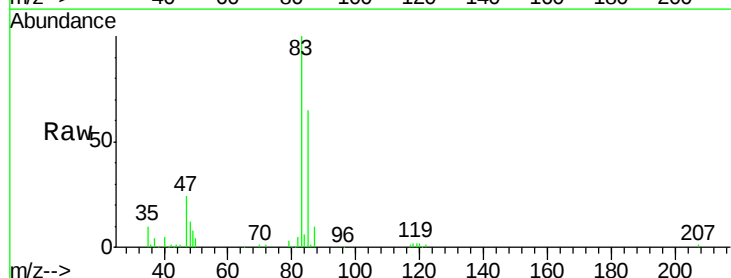
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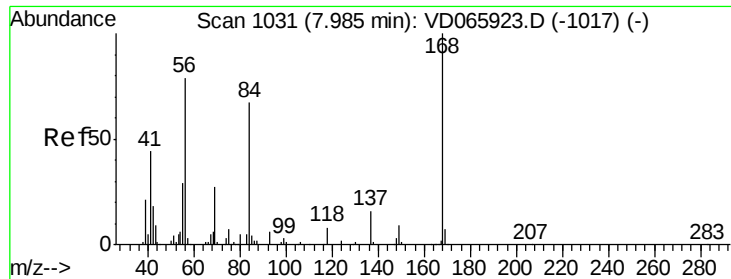
MMDadoda  
7/17/2020 4:43:38 PM



#30  
Chloroform  
Concen: 19.762 ug/l  
RT: 7.71 min Scan# 984  
Delta R.T. 0.00 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.3  | 51.6  | 77.4  |





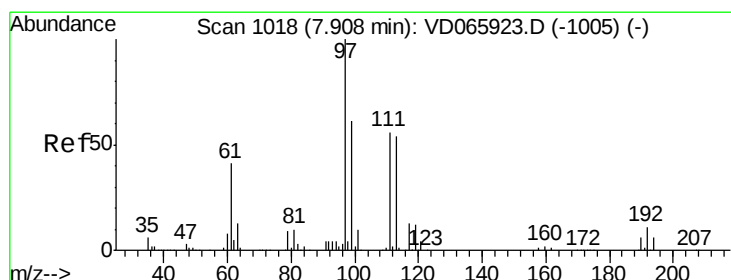
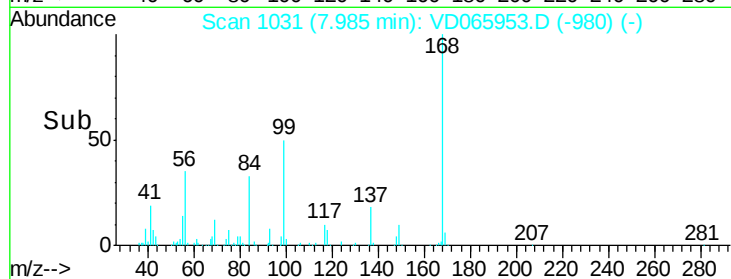
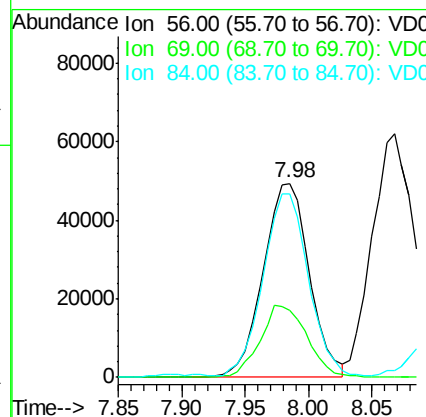
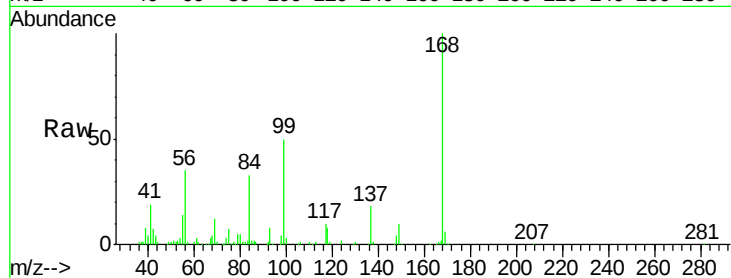
#31  
Cyclohexane  
Concen: 19.191 ug/l  
RT: 7.98 min Scan# 1031  
Delta R.T. 0.00 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0716SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 34.6  | 27.4  | 41.0  |
| 84      | 92.5  | 68.6  | 102.8 |

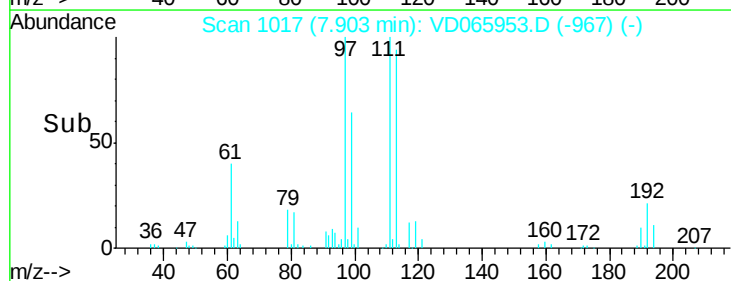
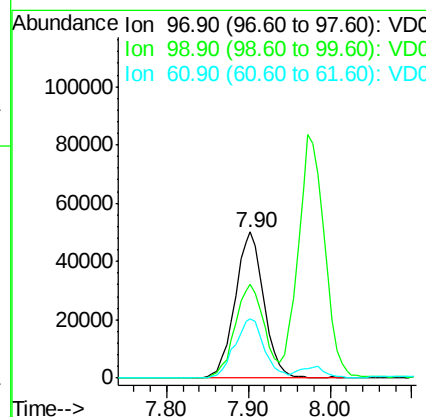
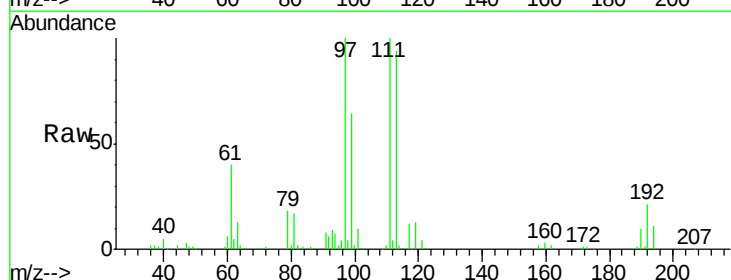
Manual Integrations  
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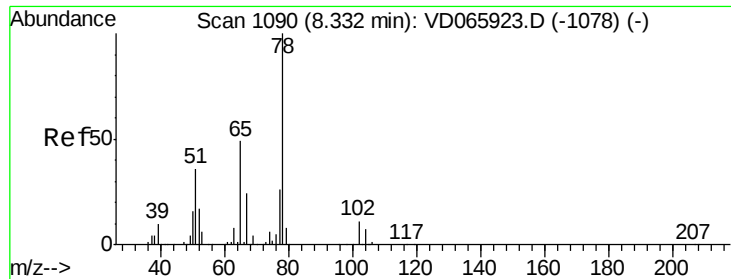
MMDadoda  
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#32  
1,1,1-Trichloroethane  
Concen: 19.979 ug/l  
RT: 7.90 min Scan# 1017  
Delta R.T. -0.01 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 65.2  | 51.6  | 77.4  |
| 61      | 41.9  | 33.6  | 50.4  |





#33

1,2-Dichloroethane-d4

Concen: 44.522 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0716SBS01

Tot Ion: 65 Resp: 142325

Ion Ratio Lower Upper

65 100

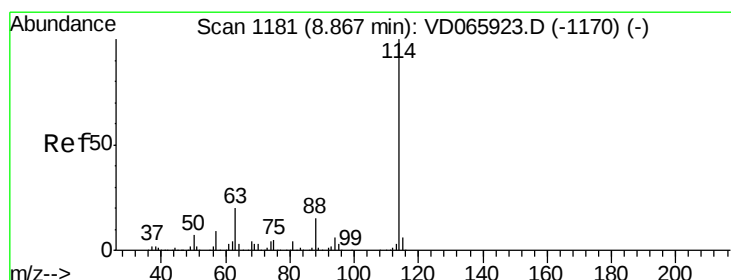
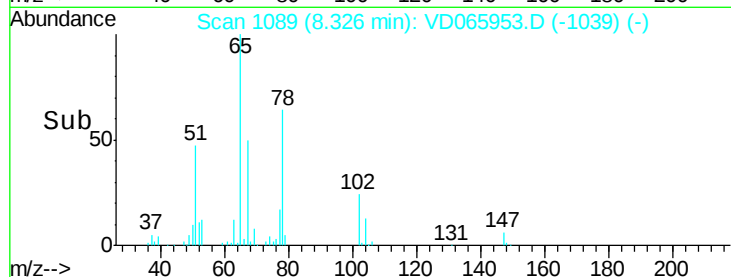
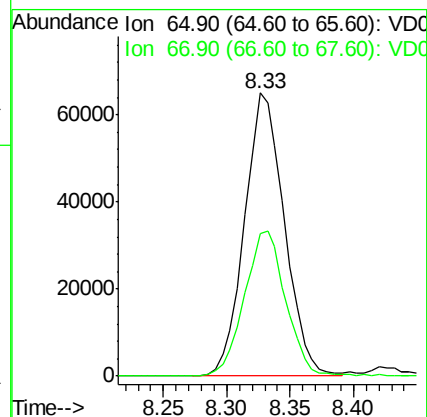
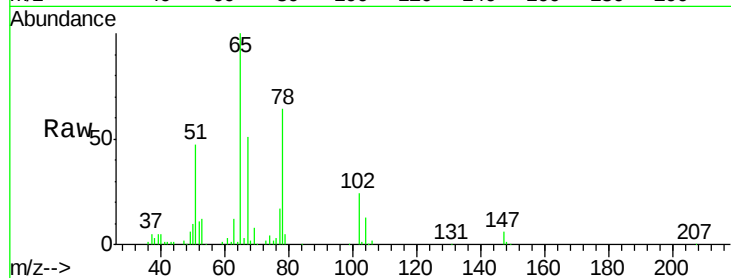
67 53.1 0.0 105.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

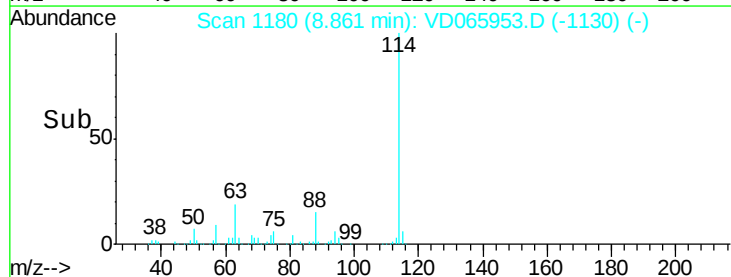
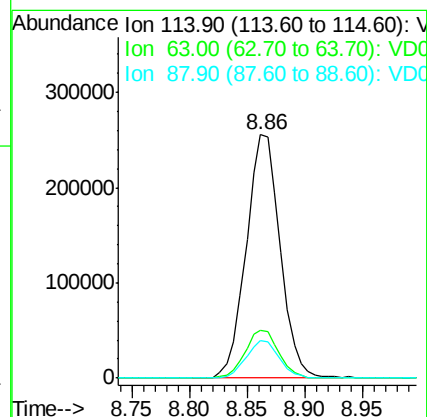
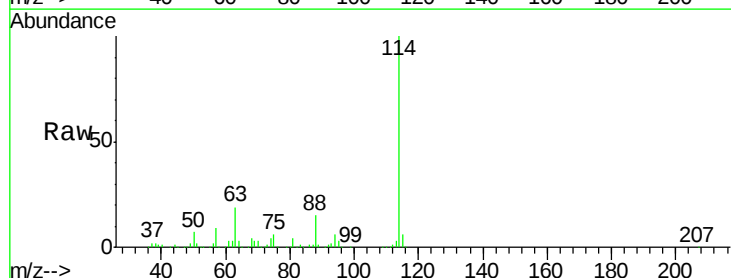
Tgt Ion: 114 Resp: 522201

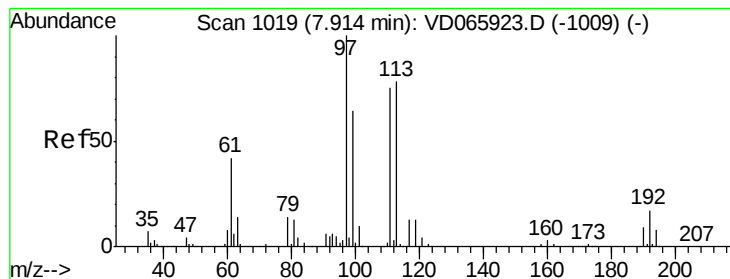
Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.2

88 15.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 47.965 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA\_D

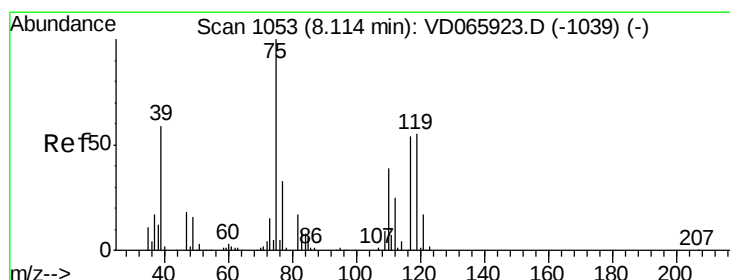
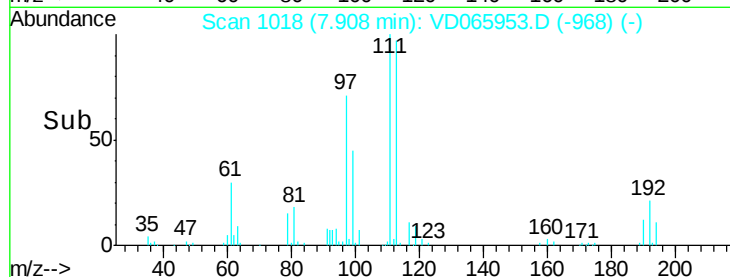
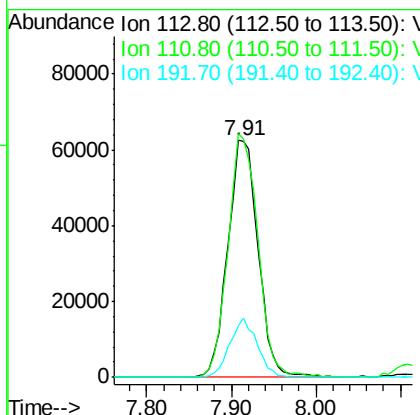
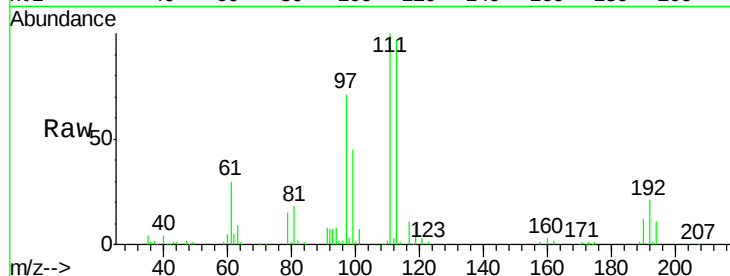
ClientSampleId :

VD0716SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 154514 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 101.4 | 80.9  | 121.3  |
| 192       | 22.5  | 17.1  | 25.7   |

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#36

1,1-Dichloropropene

Concen: 20.945 ug/l

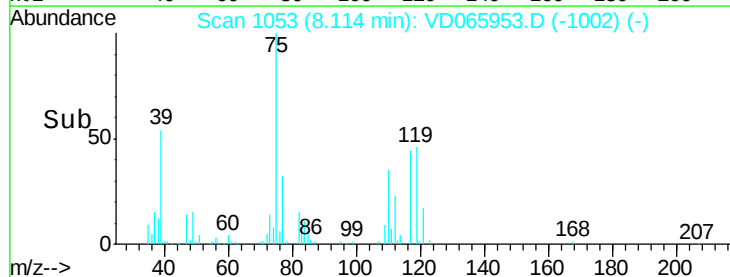
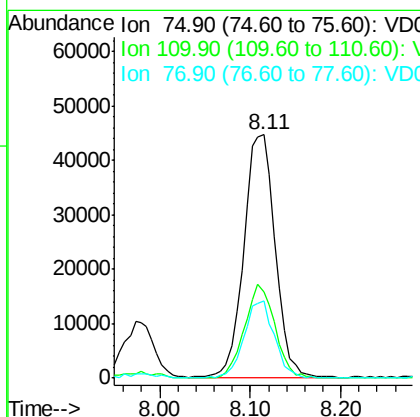
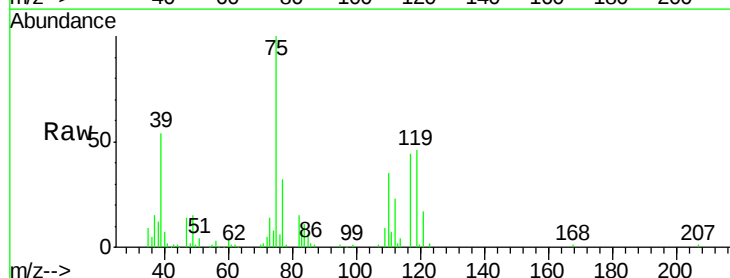
RT: 8.11 min Scan# 1053

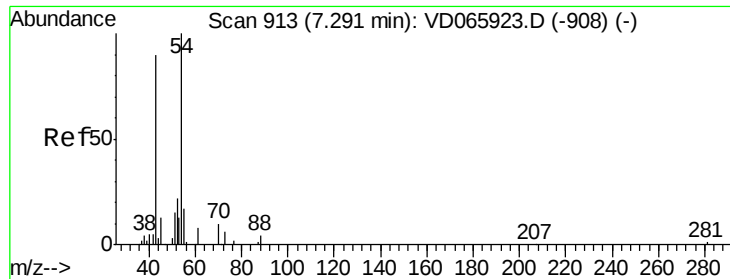
Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 108026 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 37.0  | 18.5  | 55.5   |
| 77        | 30.5  | 25.6  | 38.4   |





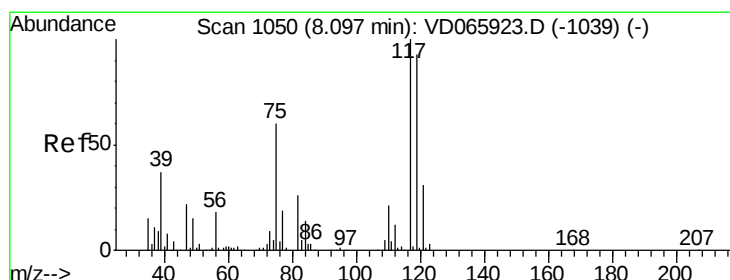
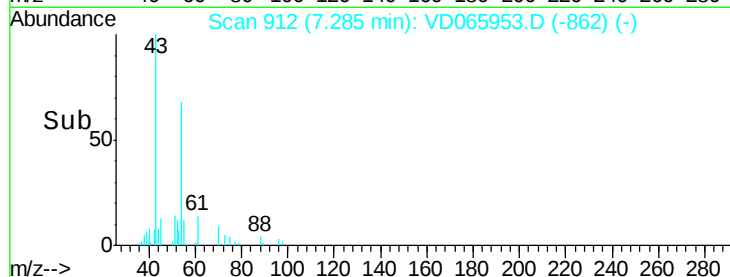
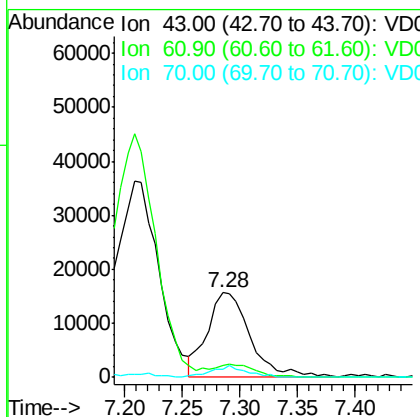
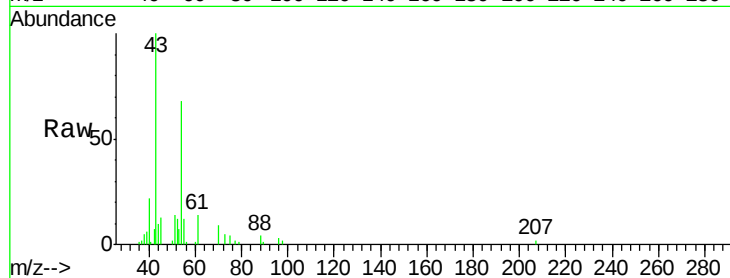
#37  
Ethyl Acetate  
Concen: 18.380 ug/l  
RT: 7.28 min Scan# 912  
Delta R.T. -0.01 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0716SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.3  | 9.4   | 14.0# |
| 70      | 11.3  | 8.3   | 12.5  |

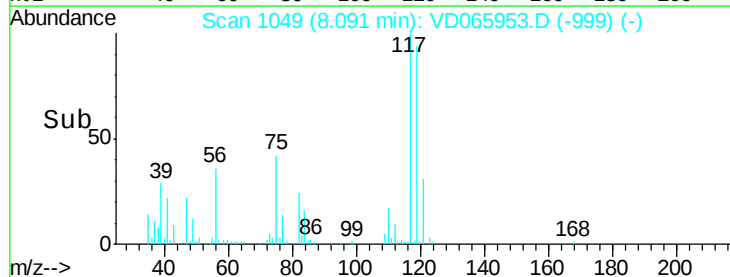
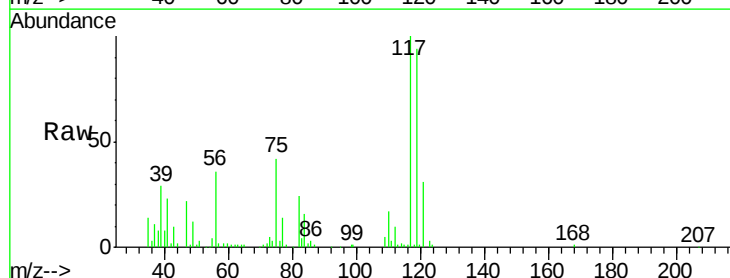
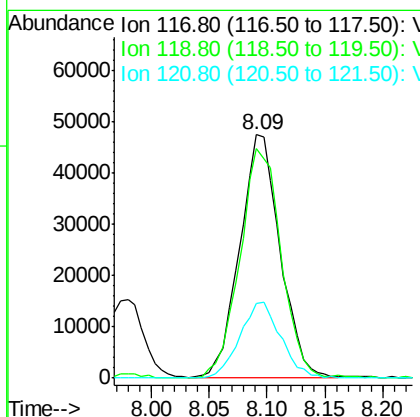
Manual Integrations  
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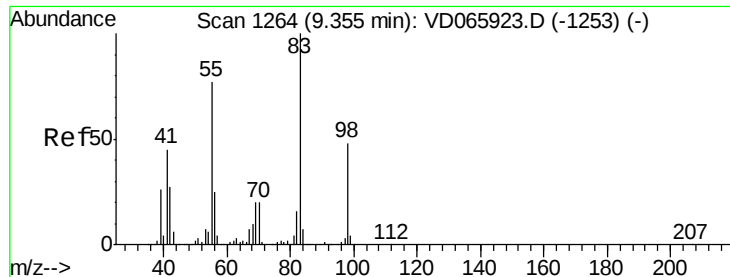
MMDadoda  
7/17/2020 4:43:38 PM



#38  
Carbon Tetrachloride  
Concen: 21.014 ug/l  
RT: 8.09 min Scan# 1049  
Delta R.T. -0.01 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.5  | 74.7  | 112.1 |
| 121     | 30.5  | 24.9  | 37.3  |





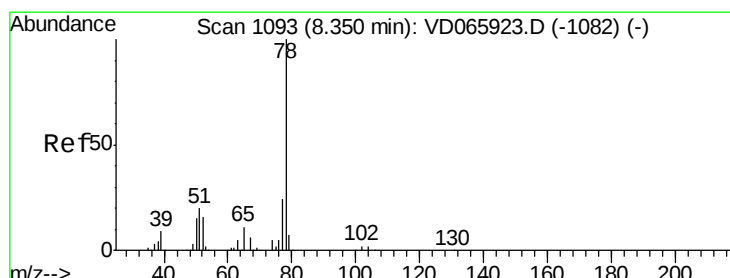
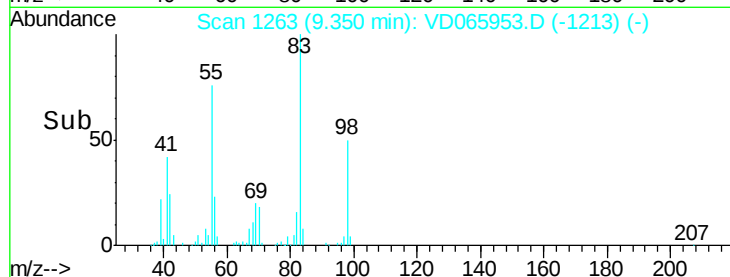
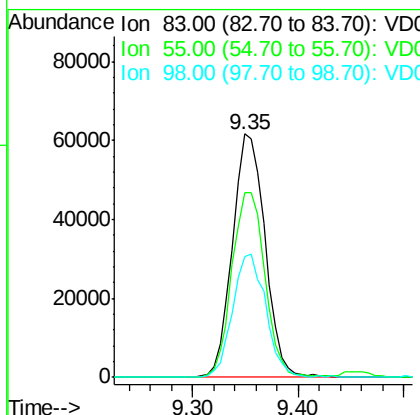
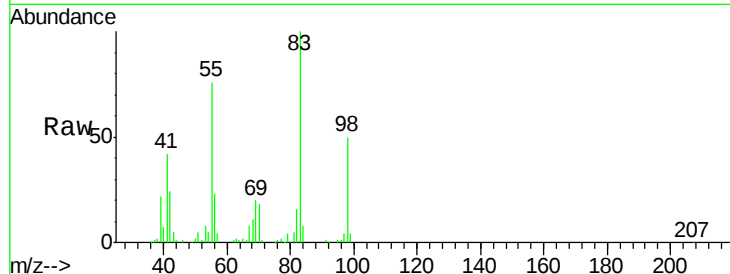
#39  
Methvlcvclohexane  
Concen: 20.849 ug/l  
RT: 9.35 min Scan# 1263  
Delta R.T. -0.01 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0716SBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 55      | 75.9  | 61.7 | 92.5  |       |
| 98      | 49.5  | 38.6 | 58.0  |       |

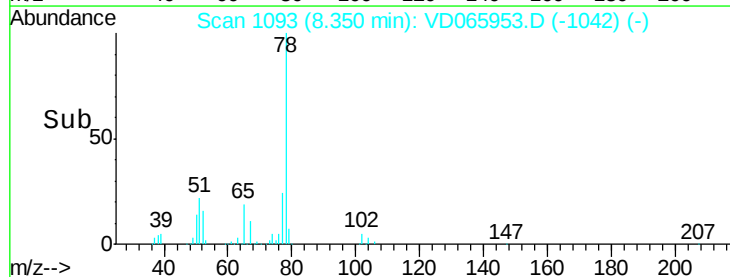
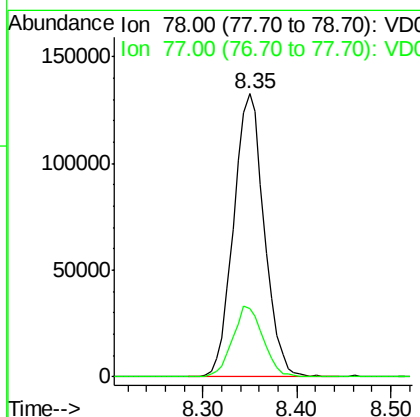
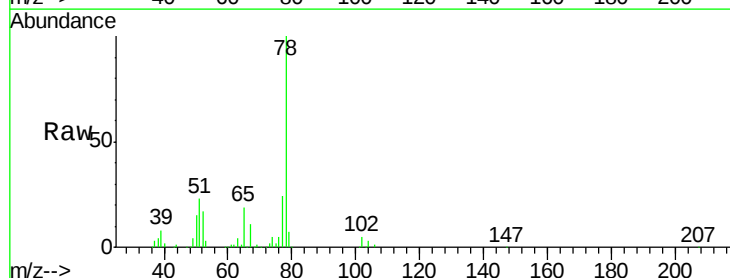
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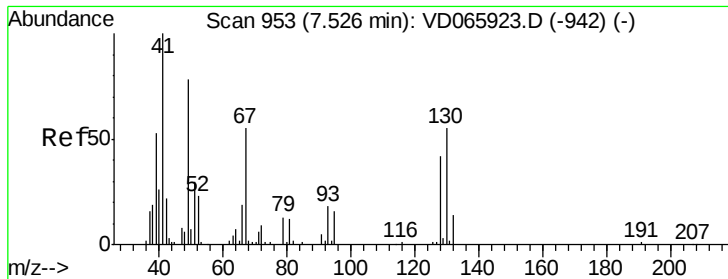
MMDadoda  
7/17/2020 4:43:38 PM



#40  
Benzene  
Concen: 21.070 ug/l  
RT: 8.35 min Scan# 1093  
Delta R.T. 0.00 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 78      | 100   |      |       |       |
| 77      | 24.2  | 19.4 | 29.0  |       |





#41

Methacrylonitrile

Concen: 20.787 ug/l m

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA\_D

ClientSampleId :

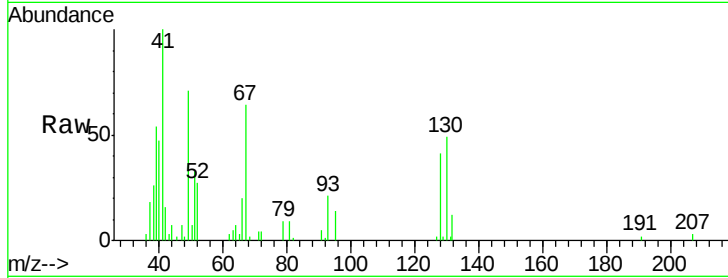
VD0716SBS01

Tot Ion: 41 Resp: 26080

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 53.3  | 42.4  | 63.6  |
| 67  | 65.4  | 53.6  | 80.4  |
| 52  | 28.6  | 22.2  | 33.2  |

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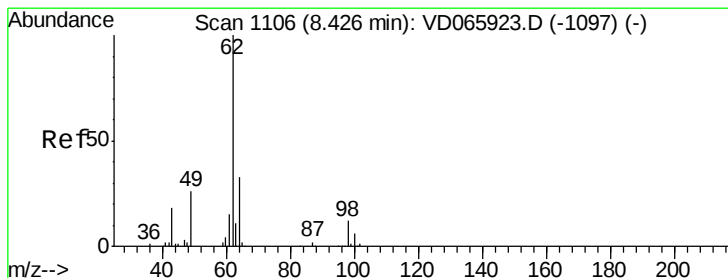
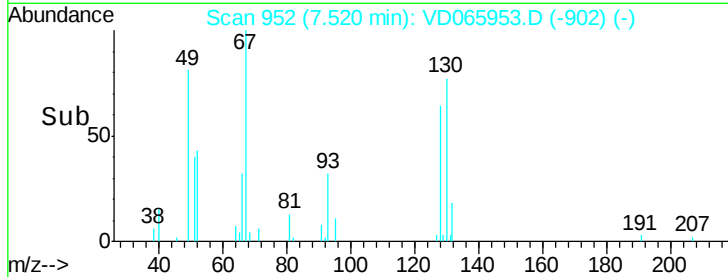
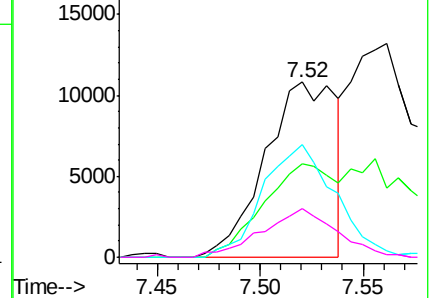


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.145 ug/l

RT: 8.43 min Scan# 1106

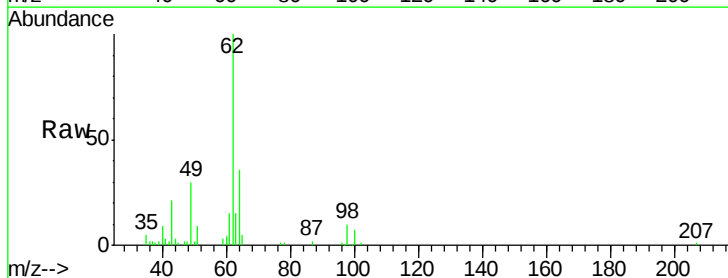
Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

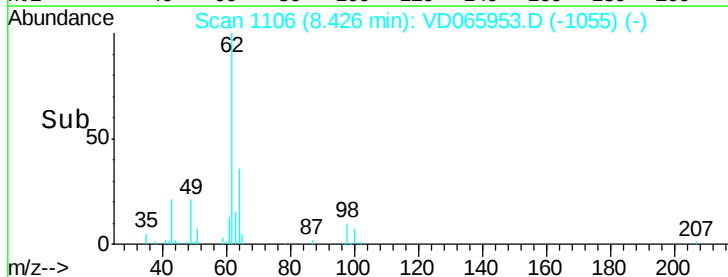
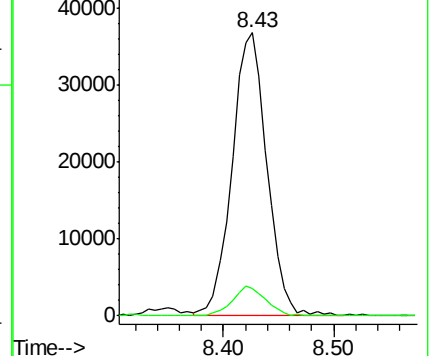
Tgt Ion: 62 Resp: 81313

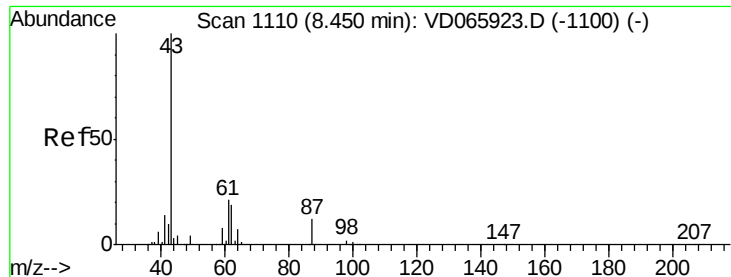
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 10.0  | 0.0   | 20.0  |



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.748 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA\_D

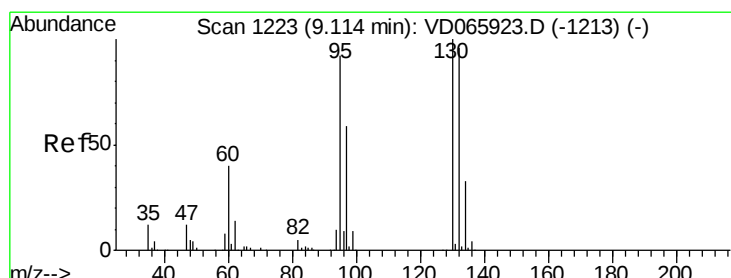
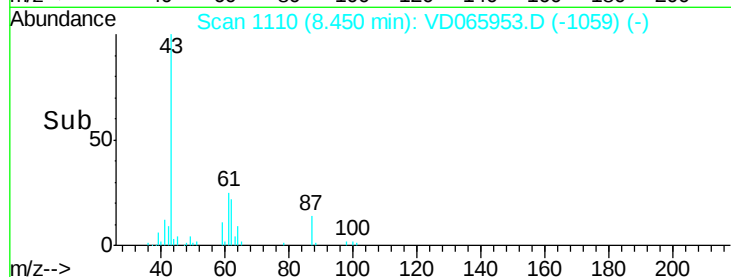
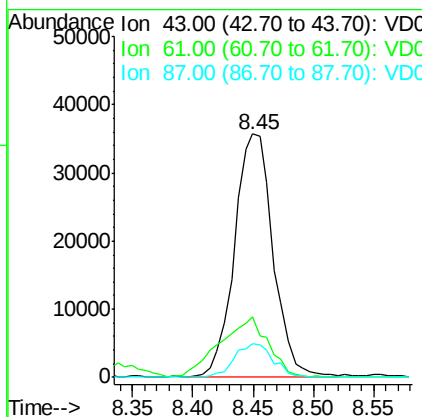
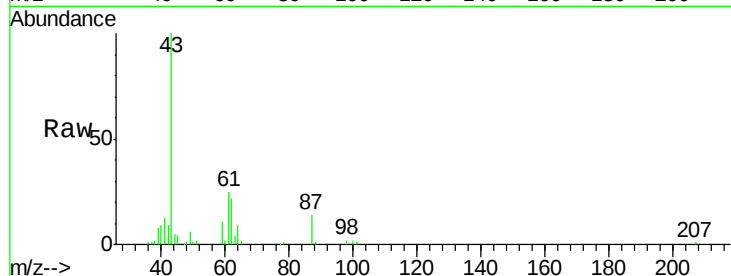
ClientSampleId :

VD0716SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 79434 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 31.4  | 23.2  | 34.8  |
| 87       | 13.8  | 10.0  | 15.0  |

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#44

Trichloroethene

Concen: 21.308 ug/l

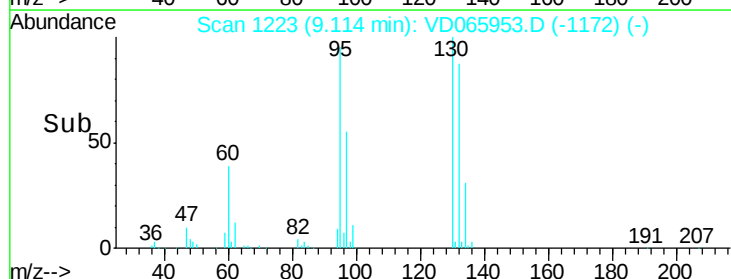
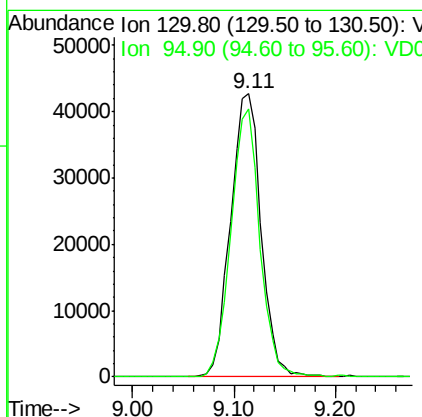
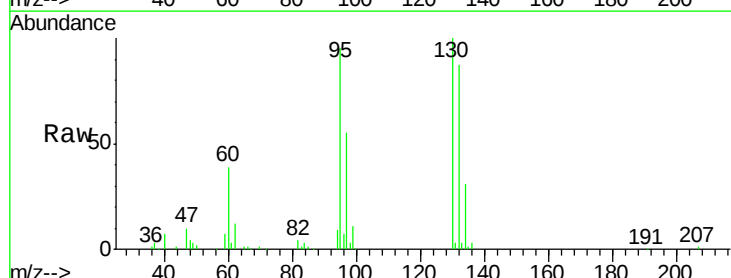
RT: 9.11 min Scan# 1223

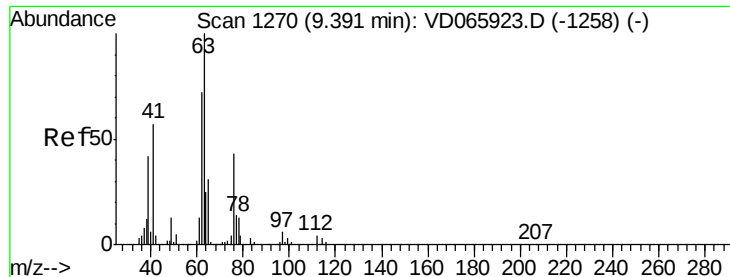
Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 89204 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 94.9  | 0.0   | 184.6 |





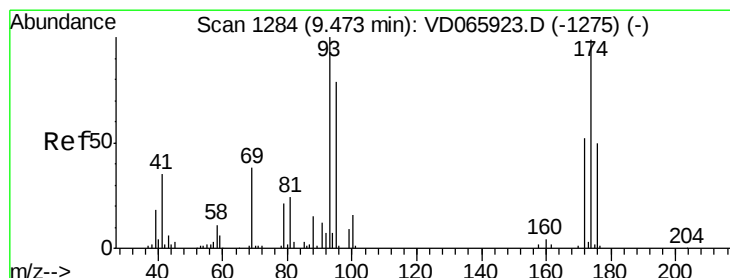
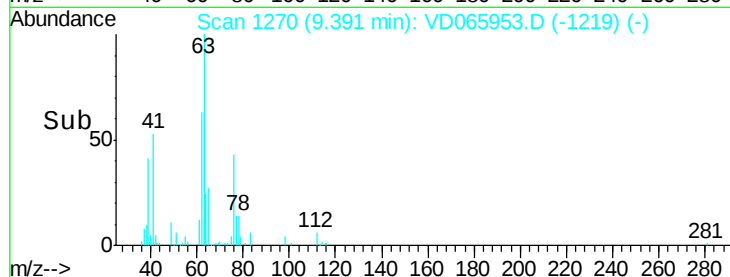
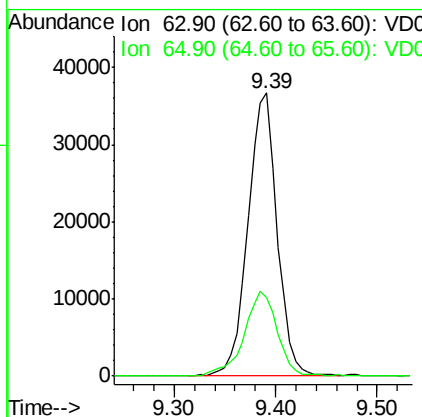
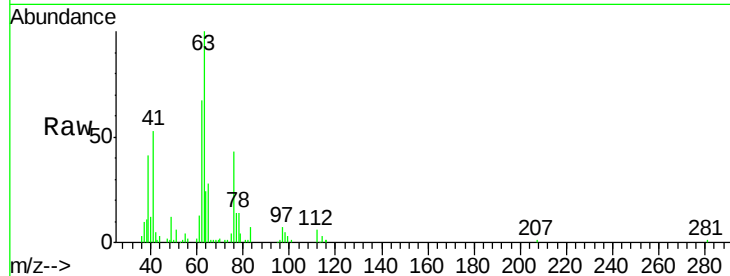
#45  
 1,2-Dichloropropane  
 Concen: 20.722 ug/l  
 RT: 9.39 min Scan# 1270  
 Delta R.T. 0.00 min  
 Lab File: VD065953.D  
 Acq: 16 Jul 2020 13:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0716SBS01

| Tot Ion   | 63    | Resp  | 73281 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 65        | 27.8  | 25.0  | 37.6  |

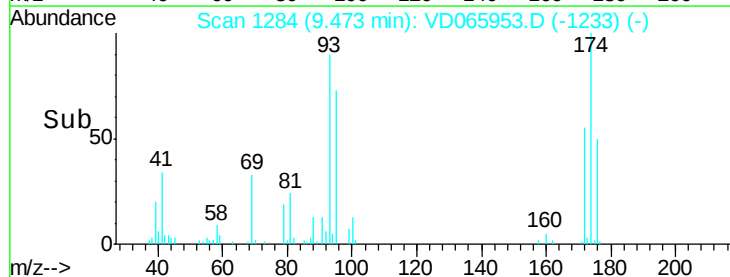
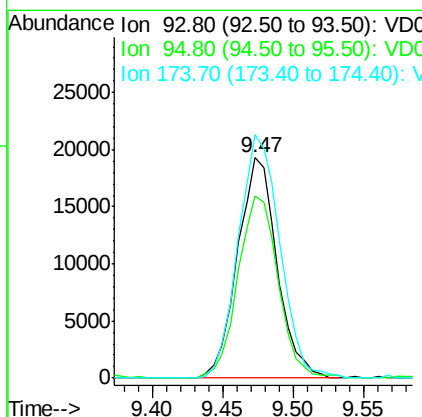
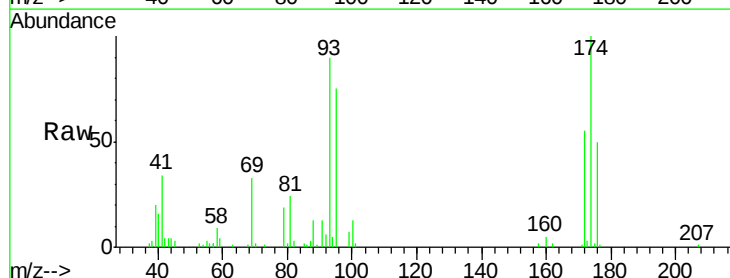
Manual Integrations  
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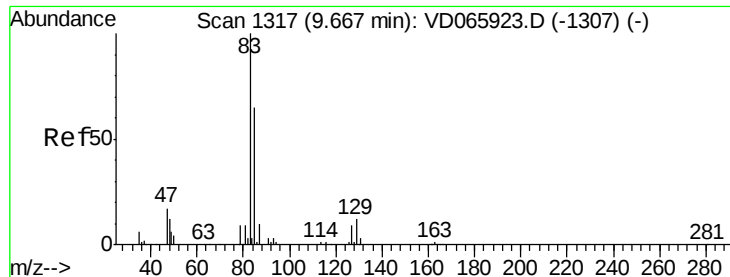
MMDadoda  
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#46  
 Dibromomethane  
 Concen: 20.497 ug/l  
 RT: 9.47 min Scan# 1284  
 Delta R.T. 0.00 min  
 Lab File: VD065953.D  
 Acq: 16 Jul 2020 13:18

| Tgt Ion   | 93    | Resp  | 37738 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 95        | 84.0  | 68.2  | 102.2 |
| 174       | 116.5 | 88.0  | 132.0 |





#47

Bromodichloromethane

Concen: 20.229 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA\_D

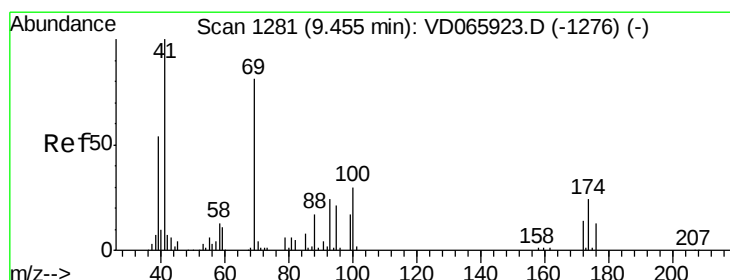
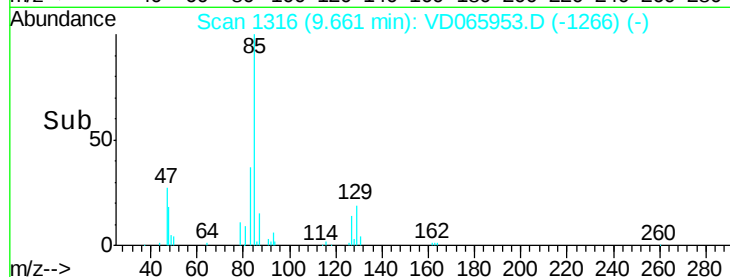
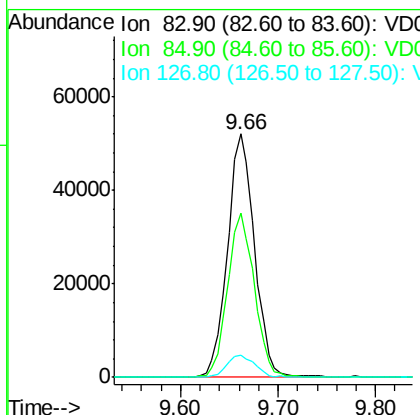
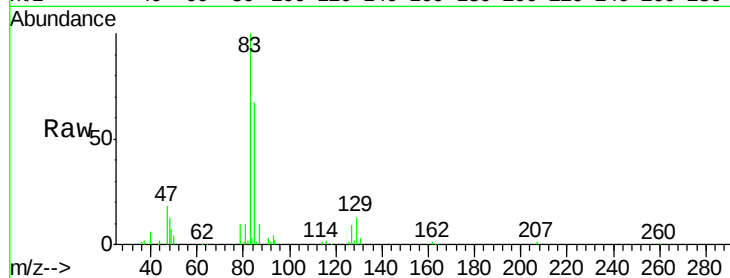
ClientSampleId :

VD0716SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 99907 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 67.4  | 51.6  | 77.4  |
| 127       | 9.2   | 7.2   | 10.8  |

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7/17/2020 4:43:38 PM



#48

Methyl methacrylate

Concen: 19.846 ug/l

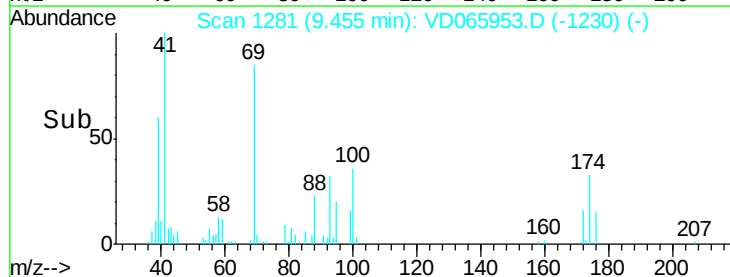
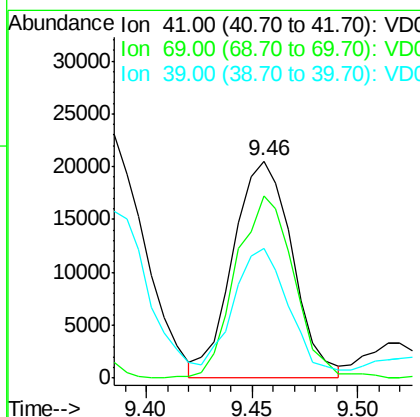
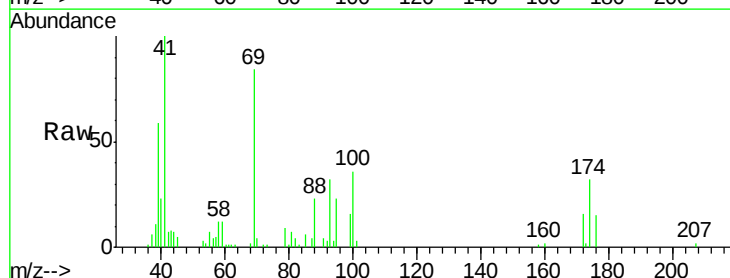
RT: 9.46 min Scan# 1281

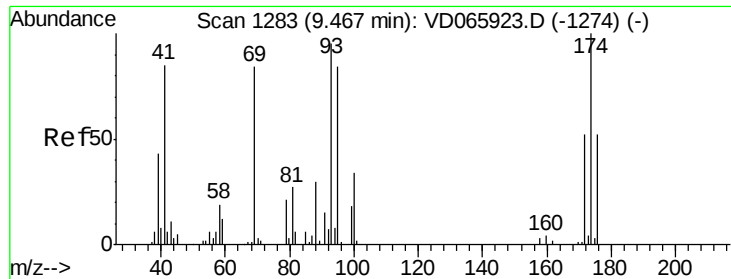
Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 40187 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 81.9  | 62.2  | 93.4  |
| 39        | 50.4  | 39.9  | 59.9  |





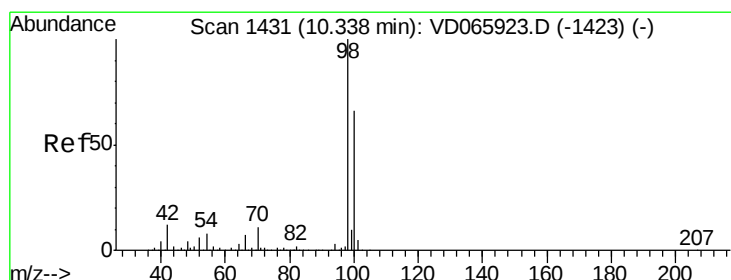
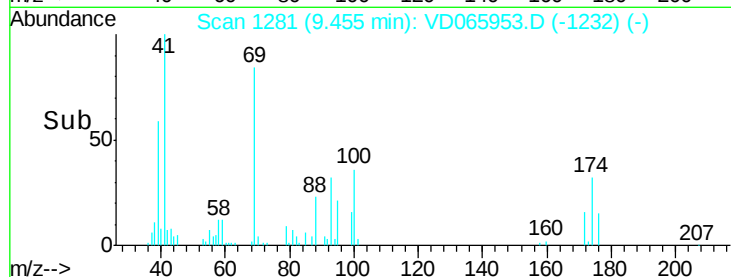
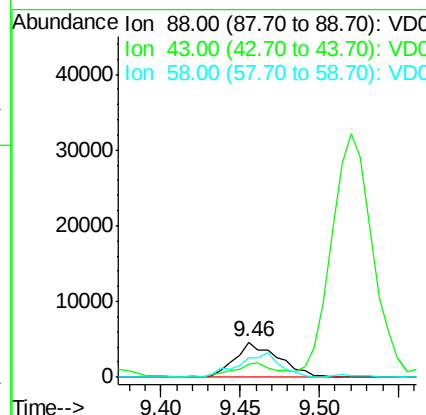
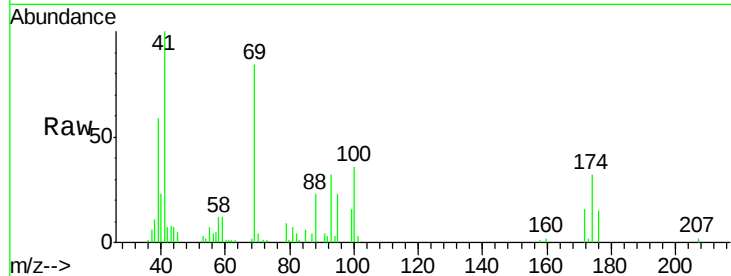
#49  
1,4-Dioxane  
Concen: 404.047 ug/l  
RT: 9.46 min Scan# 1281  
Delta R.T. -0.01 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0716SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 40.8  | 28.2  | 42.4  |
| 58      | 66.4  | 58.6  | 87.8  |

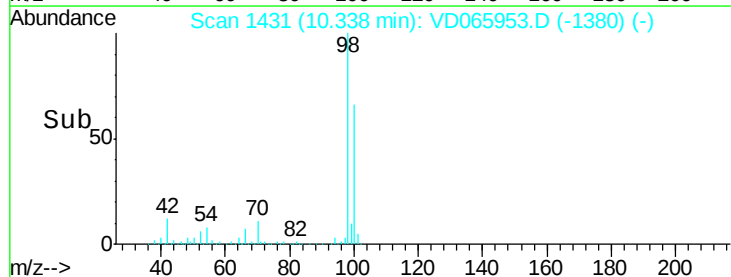
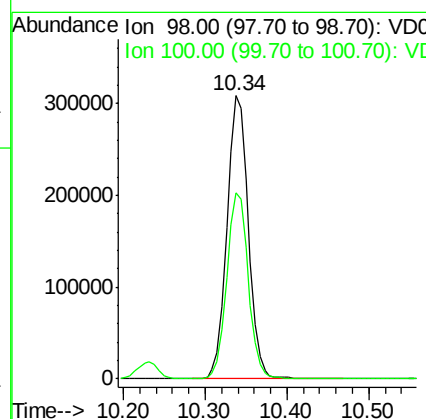
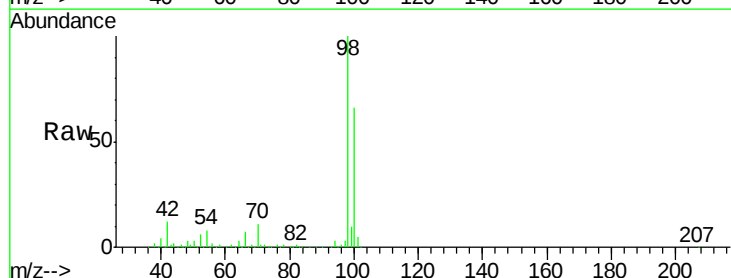
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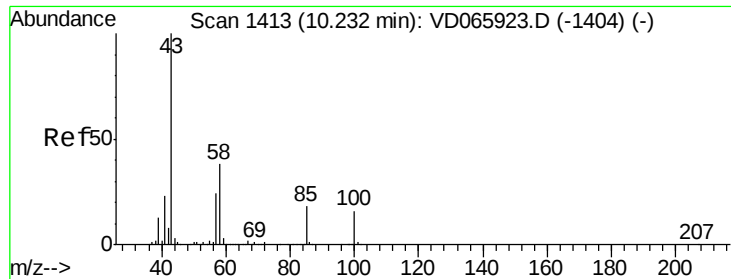
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#50  
Toluene-d8  
Concen: 47.750 ug/l  
RT: 10.34 min Scan# 1431  
Delta R.T. 0.00 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.1  | 53.1  | 79.7  |





#51

4-Methyl-2-Pentanone

Concen: 98.071 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.01 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0716SBS01

Tot Ion: 43 Resp: 199435

Ion Ratio Lower Upper

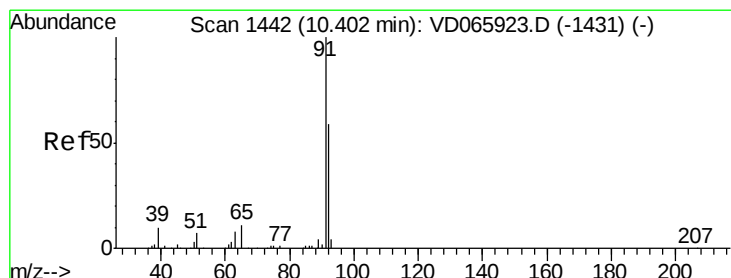
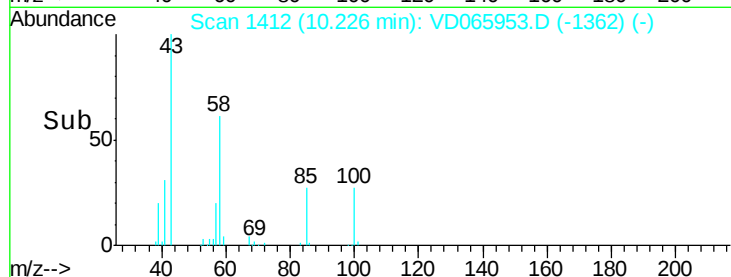
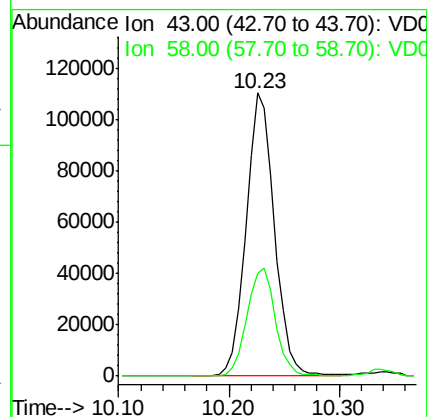
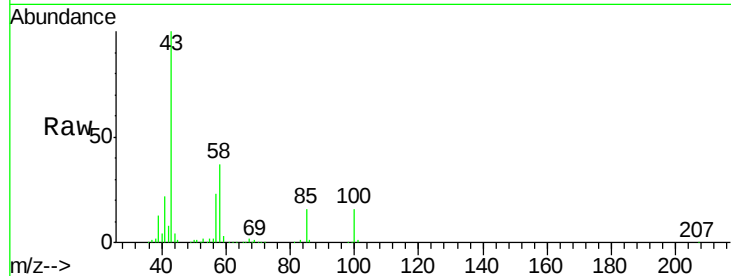
43 100

58 38.4 30.5 45.7

Manual Integrations  
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#52

Toluene

Concen: 21.659 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD065953.D

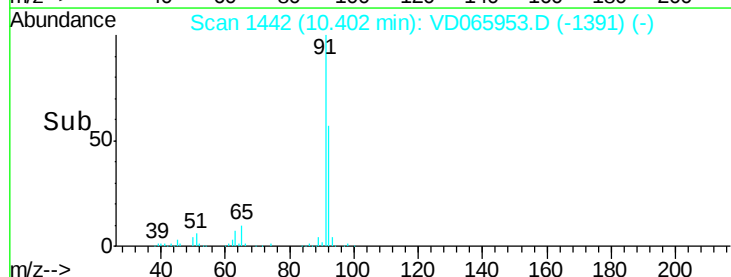
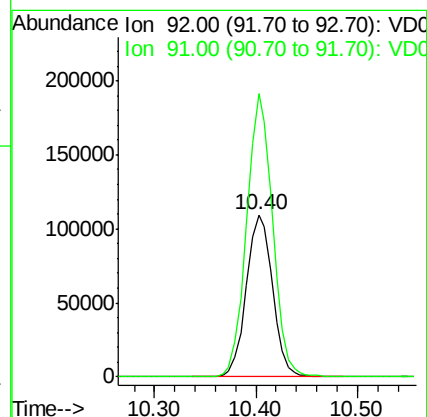
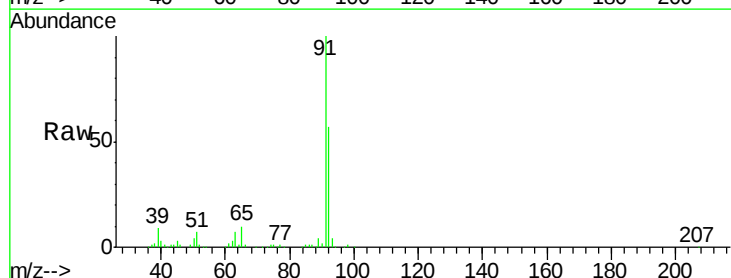
Acq: 16 Jul 2020 13:18

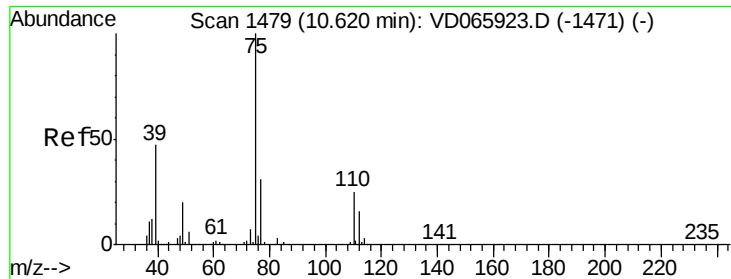
Tgt Ion: 92 Resp: 196329

Ion Ratio Lower Upper

92 100

91 172.7 136.0 204.0





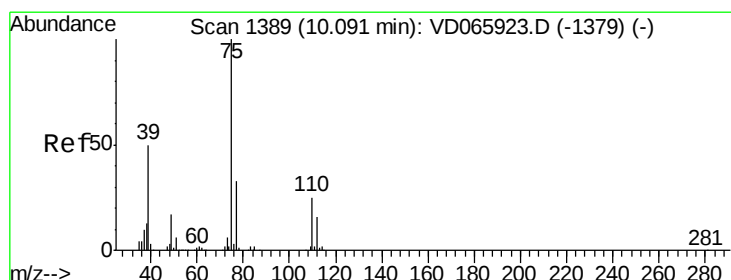
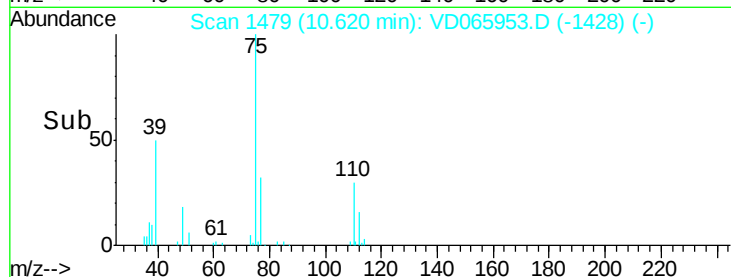
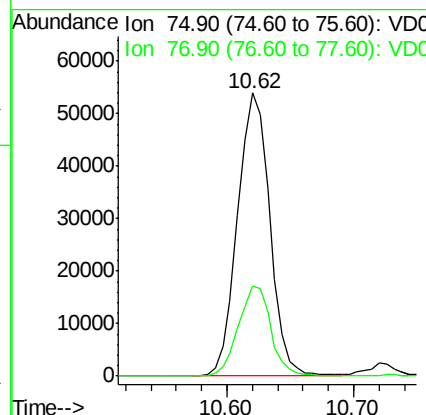
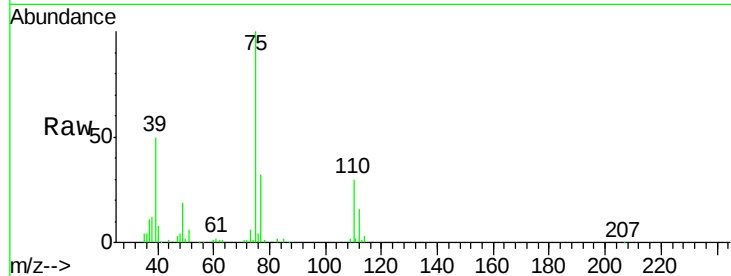
#53  
 t-1,3-Dichloropropene  
 Concen: 20.533 ug/l  
 RT: 10.62 min Scan# 1479  
 Delta R.T. 0.00 min  
 Lab File: VD065953.D  
 Acq: 16 Jul 2020 13:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0716SBS01

Tot Ion: 75 Resp: 95352  
 Ion Ratio Lower Upper  
 75 100  
 77 31.6 25.1 37.7

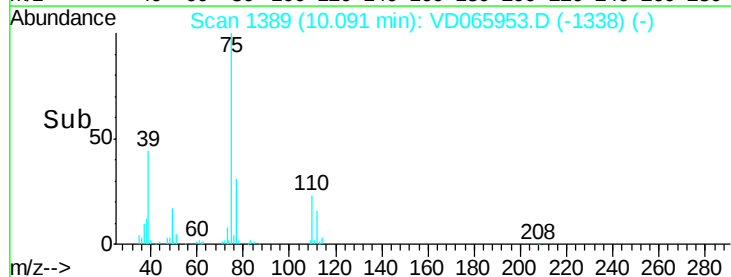
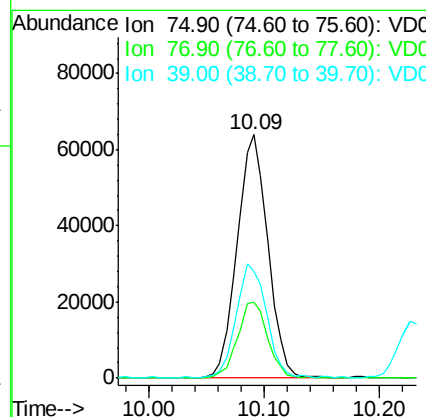
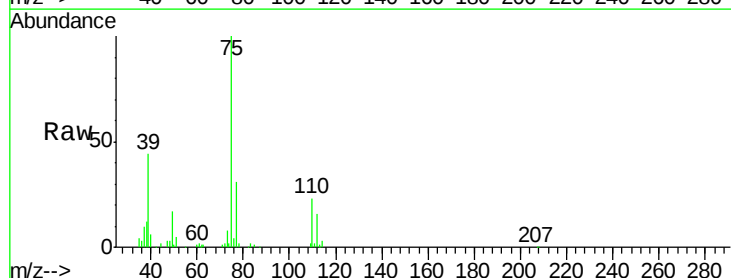
Manual Integrations  
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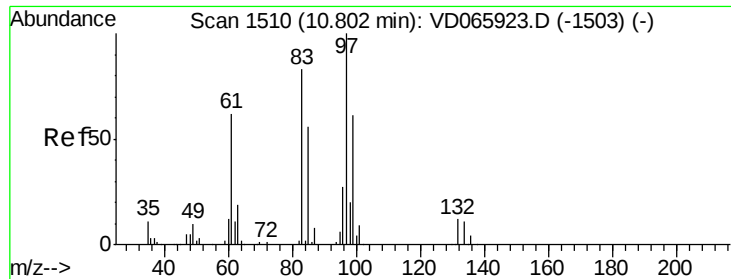
MMDadoda  
 7/17/2020 4:43:38 PM



#54  
 cis-1,3-Dichloropropene  
 Concen: 21.064 ug/l  
 RT: 10.09 min Scan# 1389  
 Delta R.T. 0.00 min  
 Lab File: VD065953.D  
 Acq: 16 Jul 2020 13:18

Tgt Ion: 75 Resp: 118195  
 Ion Ratio Lower Upper  
 75 100  
 77 31.0 26.6 39.8  
 39 43.9 39.6 59.4





#55

1,1,2-Trichloroethane

Concen: 21.461 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0716SBS01

Tot Ion: 97 Resp: 54441

Ion Ratio Lower Upper

97 100

83 80.8 66.9 100.3

85 52.8 44.5 66.7

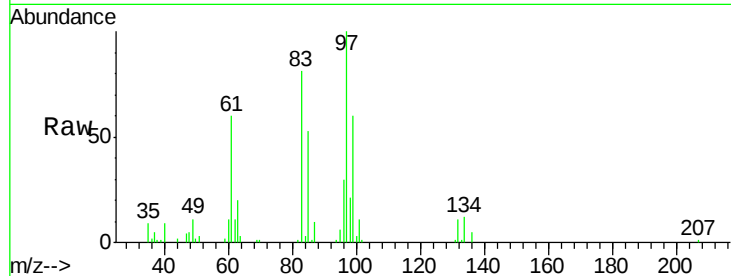
99 60.3 49.2 73.8

Manual Integrations

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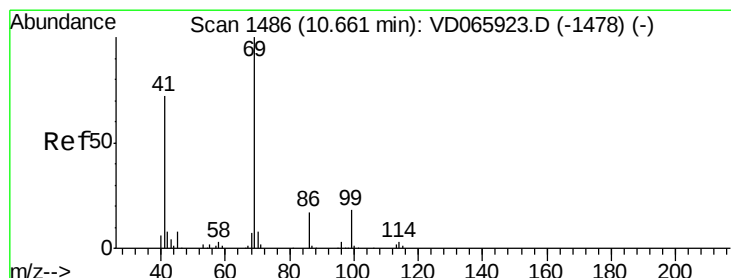
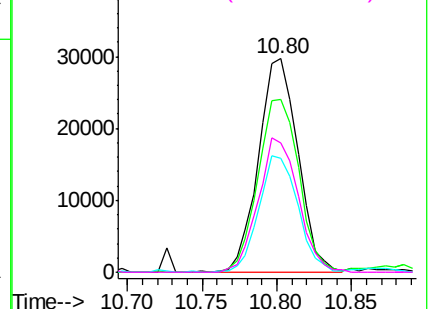
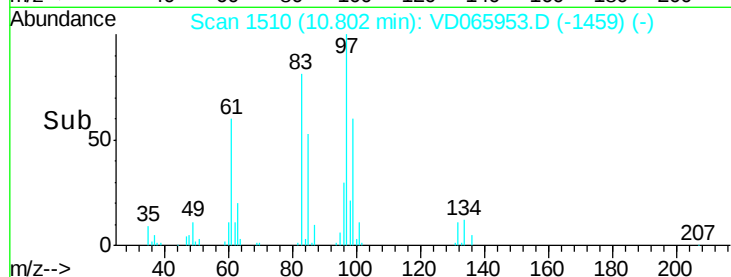


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 20.350 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

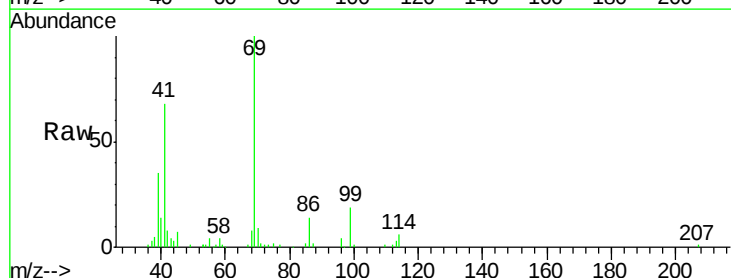
Tgt Ion: 69 Resp: 63050

Ion Ratio Lower Upper

69 100

41 71.4 56.5 84.7

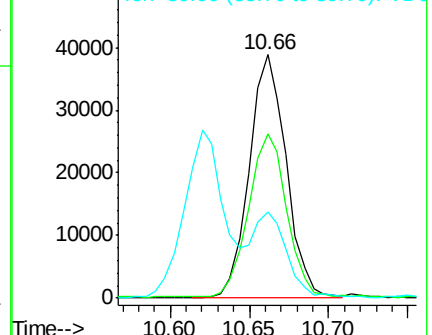
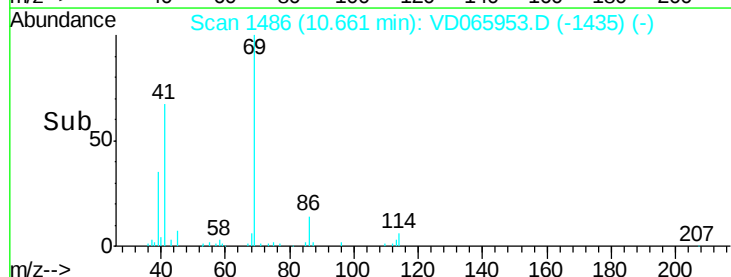
39 34.8 29.2 43.8

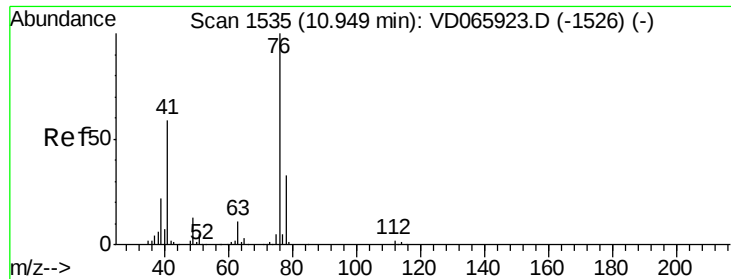


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





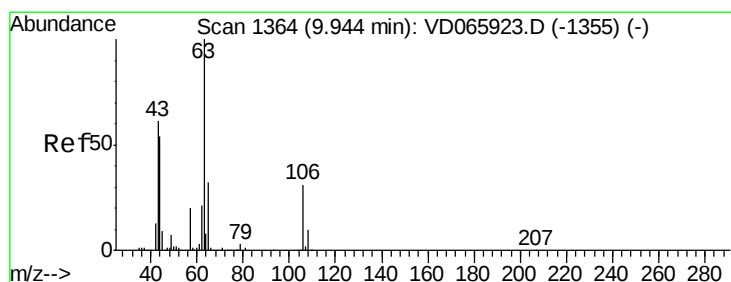
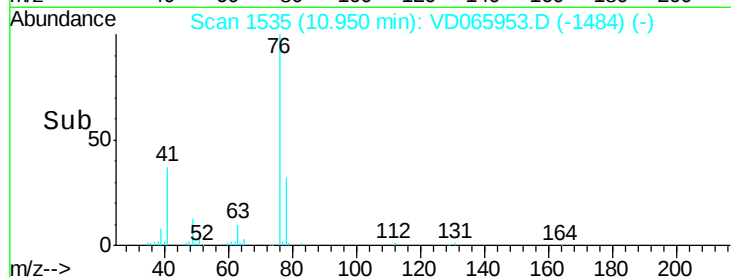
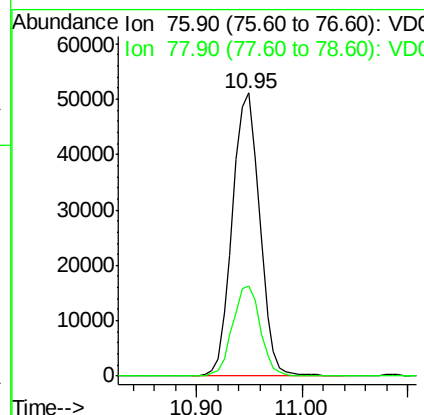
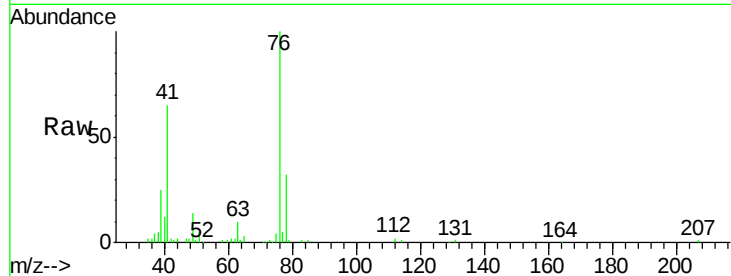
#57  
 1,3-Dichloropropane  
 Concen: 20.668 ug/l  
 RT: 10.95 min Scan# 1535  
 Delta R.T. 0.00 min  
 Lab File: VD065953.D  
 Acq: 16 Jul 2020 13:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0716SBS01

Tot Ion: 76 Resp: 91688  
 Ion Ratio Lower Upper  
 76 100  
 78 31.9 25.8 38.6

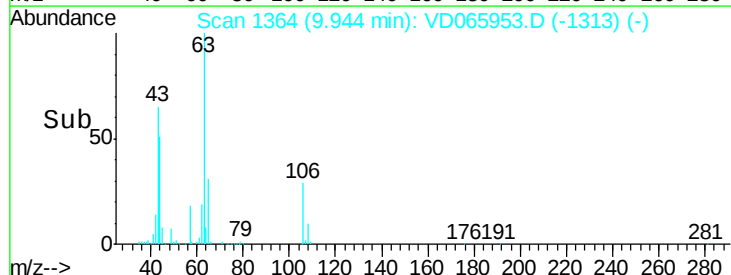
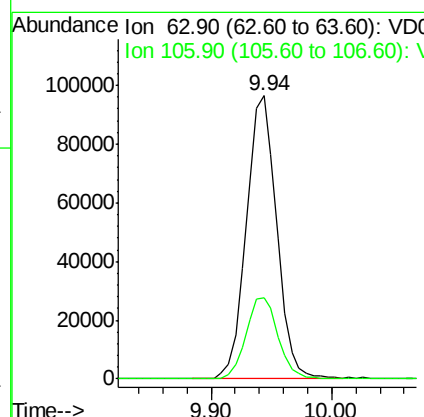
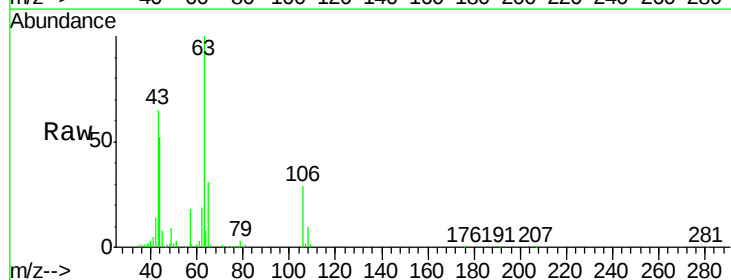
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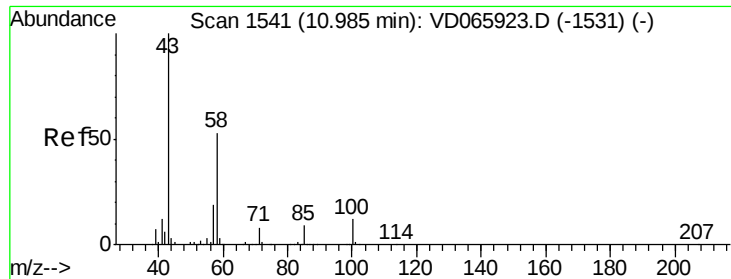
MMDadoda  
 7/17/2020 4:43:38 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 113.134 ug/l  
 RT: 9.94 min Scan# 1364  
 Delta R.T. 0.00 min  
 Lab File: VD065953.D  
 Acq: 16 Jul 2020 13:18

Tgt Ion: 63 Resp: 169758  
 Ion Ratio Lower Upper  
 63 100  
 106 30.4 23.8 35.6





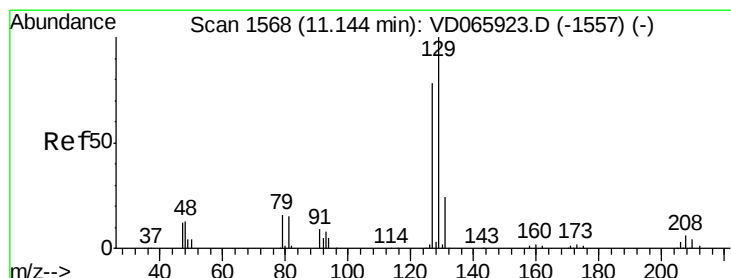
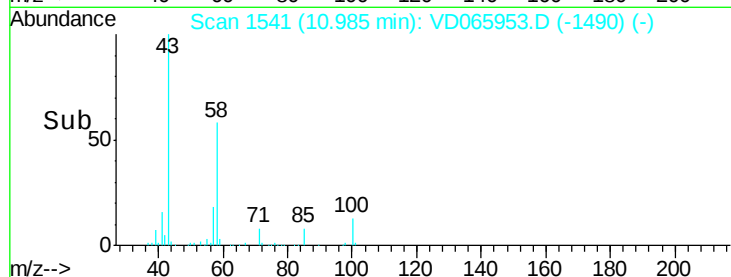
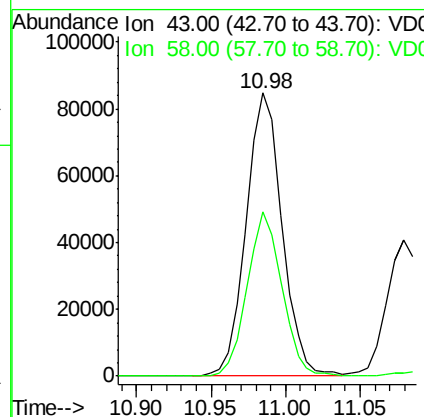
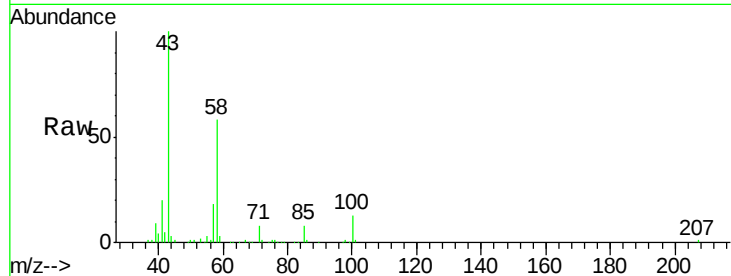
#59  
2-Hexanone  
Concen: 100.765 ug/l  
RT: 10.98 min Scan# 1541  
Delta R.T. 0.00 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0716SBS01

Tot Ion: 43 Resp: 140927  
Ion Ratio Lower Upper  
43 100  
58 56.1 26.6 79.8

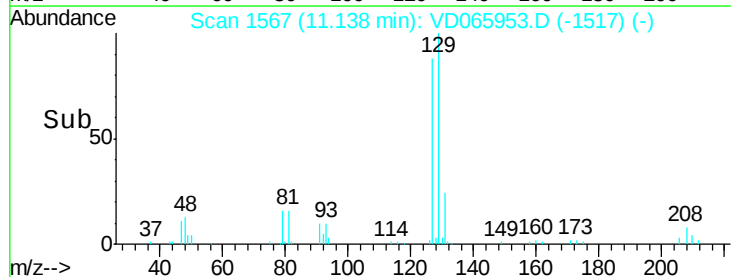
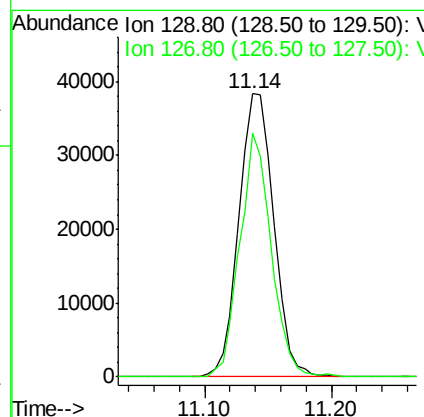
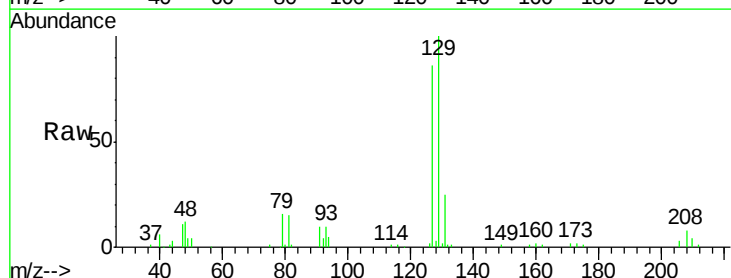
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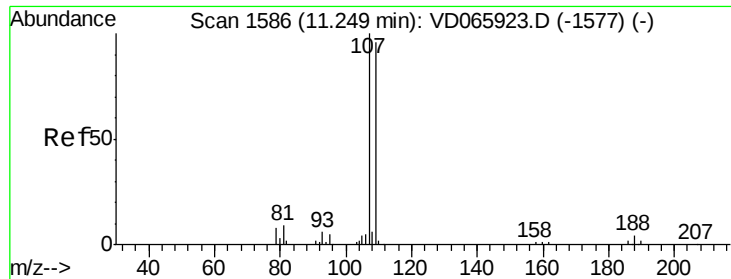
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 21.143 ug/l  
RT: 11.14 min Scan# 1567  
Delta R.T. -0.01 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

Tgt Ion: 129 Resp: 73277  
Ion Ratio Lower Upper  
129 100  
127 77.2 38.8 116.4





#61

1,2-Dibromoethane

Concen: 21.354 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0716SBS01

Tot Ion: 107 Resp: 54009

Ion Ratio Lower Upper

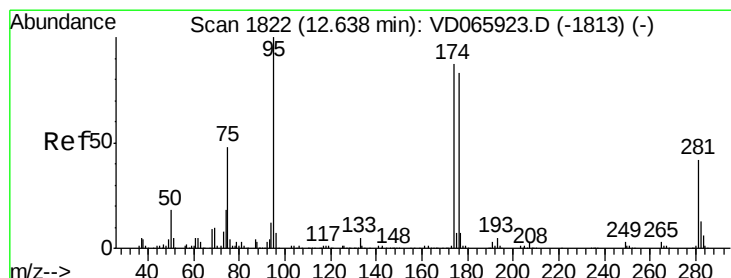
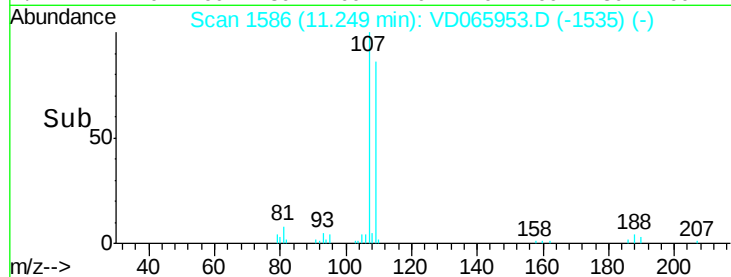
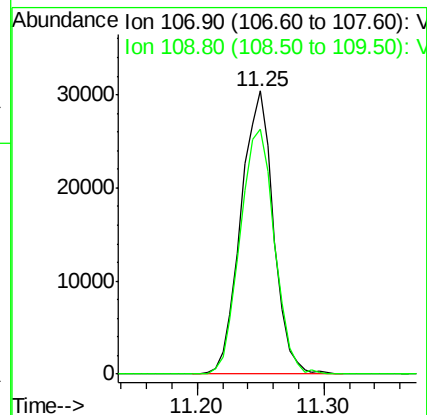
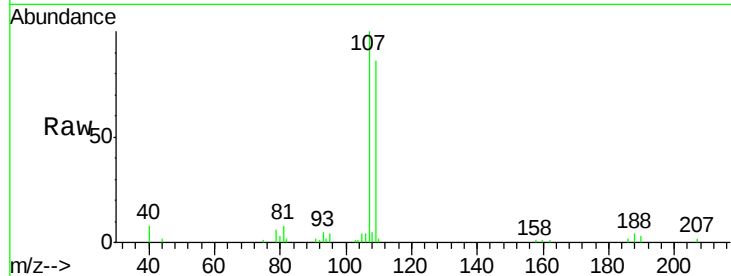
107 100

109 91.4 75.4 113.0

Manual Integrations  
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#62

4-Bromofluorobenzene

Concen: 49.258 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

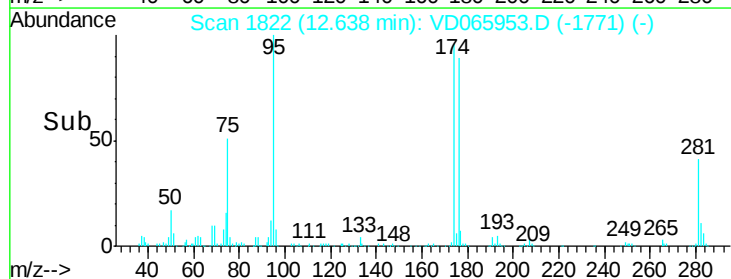
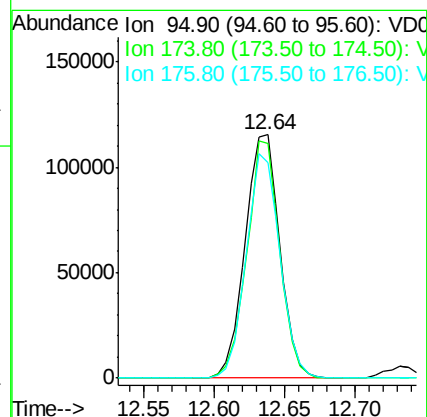
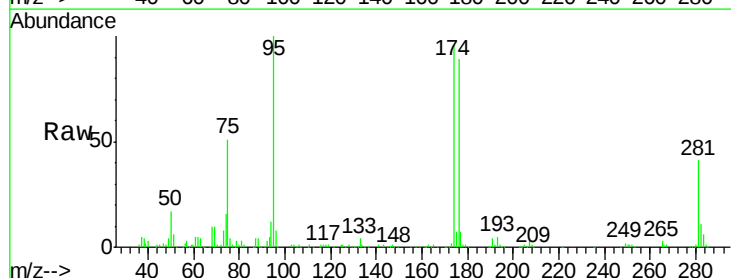
Tgt Ion: 95 Resp: 198819

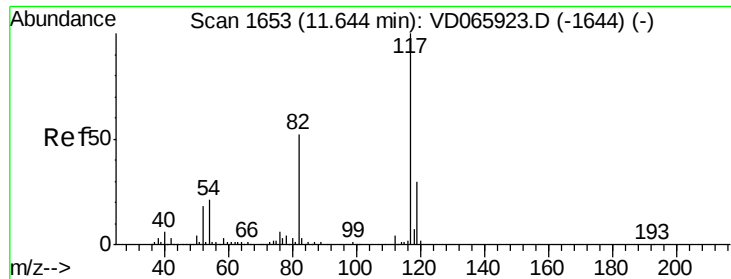
Ion Ratio Lower Upper

95 100

174 91.8 0.0 169.4

176 89.4 0.0 164.0





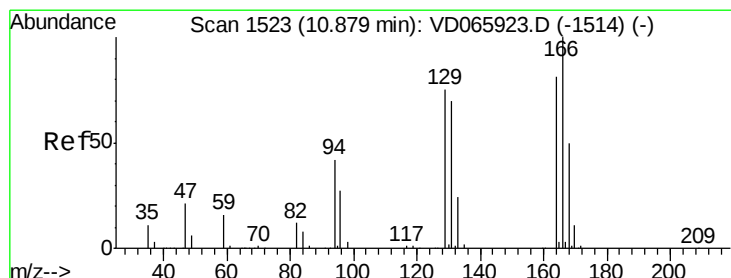
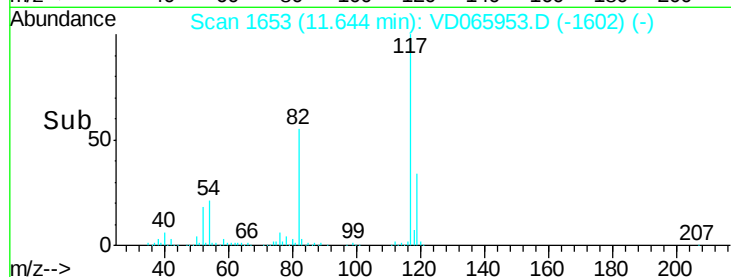
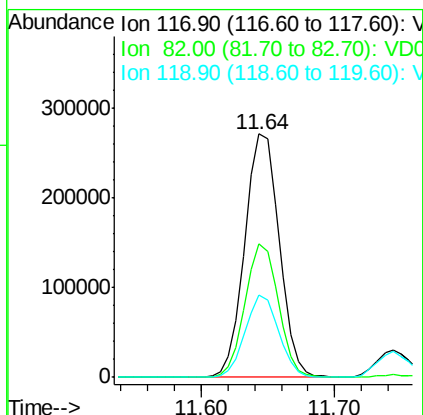
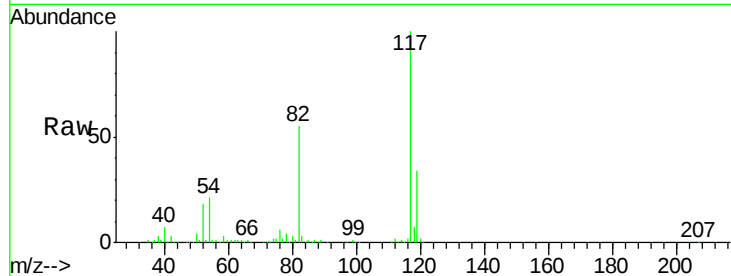
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. 0.00 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0716SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 484591 |       |       |
| 82      | 55.0  |        | 41.8  | 62.8  |
| 119     | 33.8  |        | 24.3  | 36.5  |

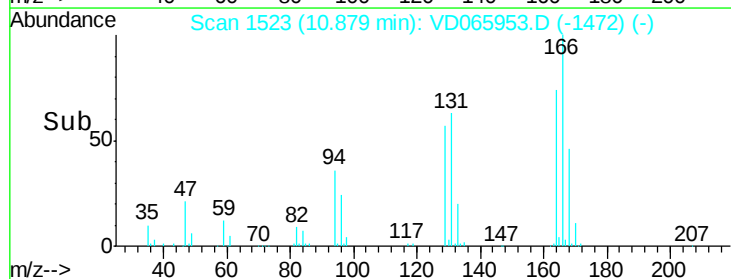
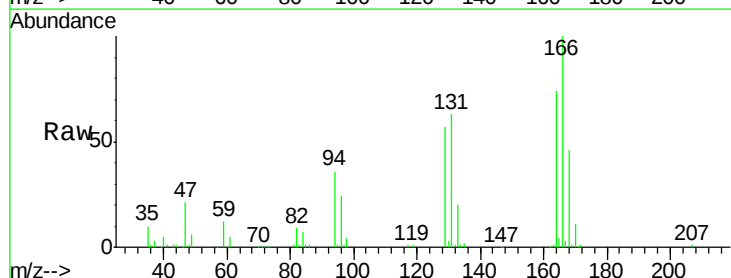
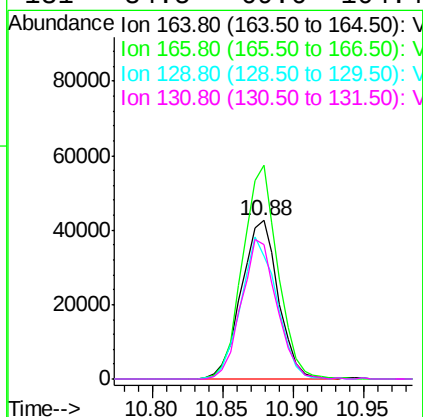
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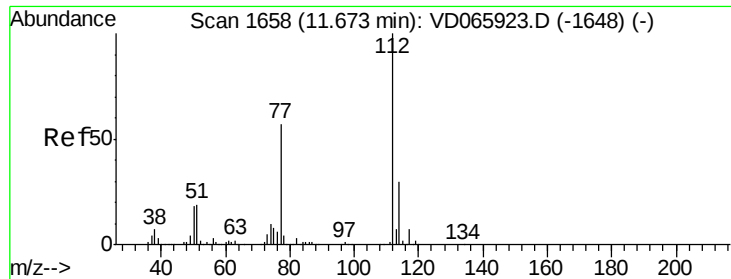
MMDadoda  
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#64  
Tetrachloroethene  
Concen: 22.137 ug/l  
RT: 10.88 min Scan# 1523  
Delta R.T. 0.00 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 78013 |       |       |
| 166     | 134.8 |       | 99.0  | 148.4 |
| 129     | 77.4  |       | 73.9  | 110.9 |
| 131     | 84.5  |       | 69.6  | 104.4 |





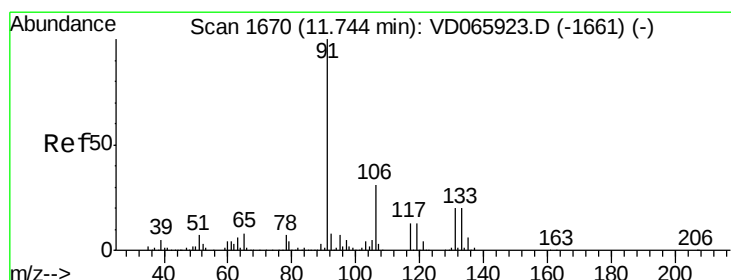
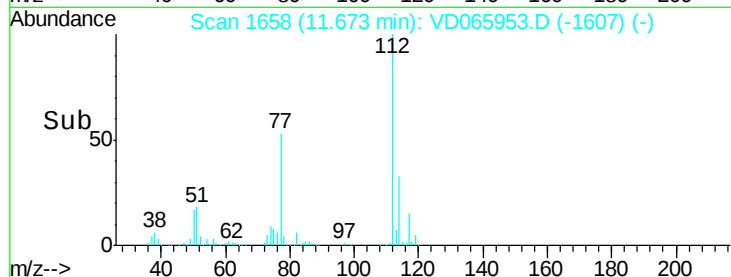
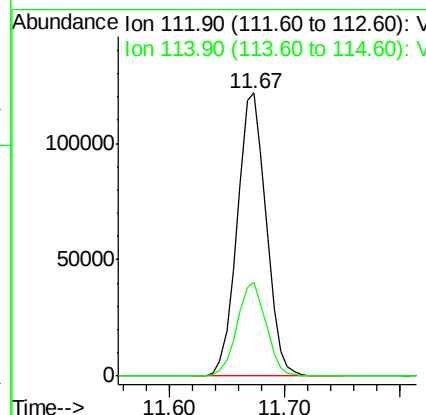
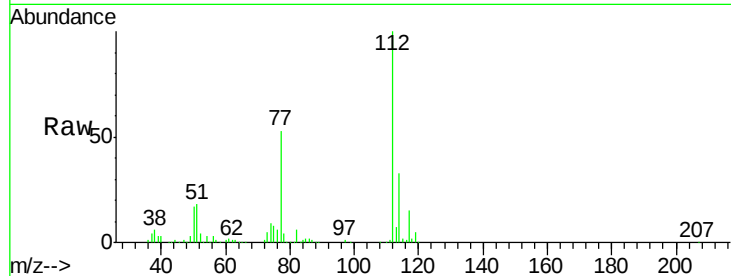
#65  
Chlorobenzene  
Concen: 21.641 ug/l  
RT: 11.67 min Scan# 1658  
Delta R.T. 0.00 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0716SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 211335 |       |       |
| 114     | 33.3  | 24.2   | 36.4  |       |

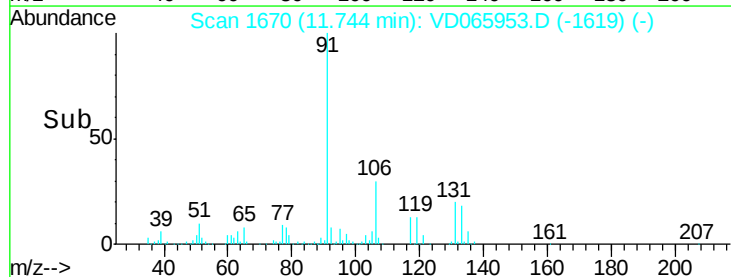
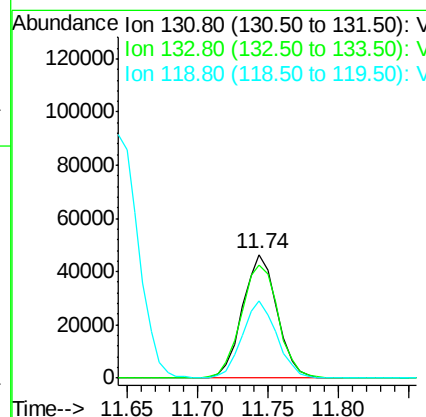
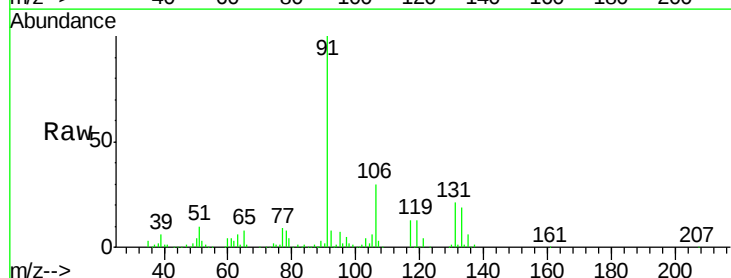
Manual Integrations  
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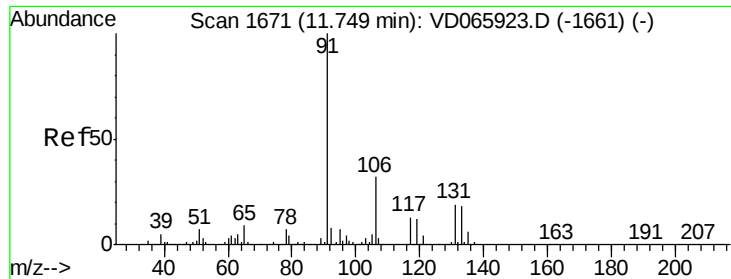
MMDadoda  
7/17/2020 4:43:38 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.814 ug/l  
RT: 11.74 min Scan# 1670  
Delta R.T. 0.00 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 131     | 100   | 79676 |       |       |
| 133     | 98.1  | 47.9  | 143.6 |       |
| 119     | 62.5  | 31.9  | 95.9  |       |





#67

Ethyl Benzene

Concen: 21.261 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0716SBS01

Tot Ion: 91 Resp: 368849

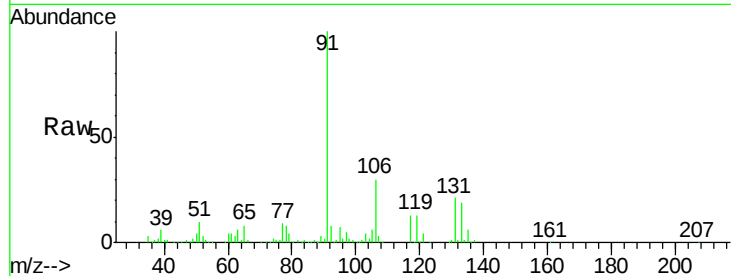
Ion Ratio Lower Upper

91 100

106 30.2 25.2 37.8

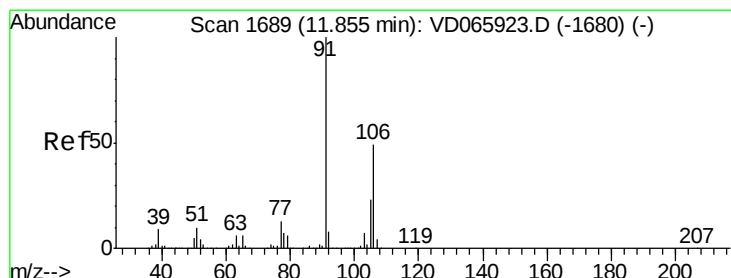
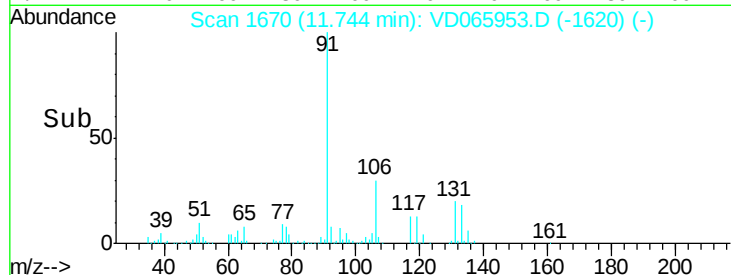
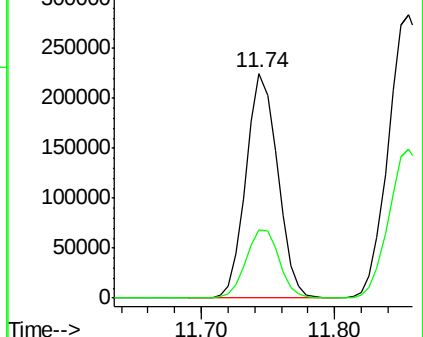
Manual Integrations  
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 44.106 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065953.D

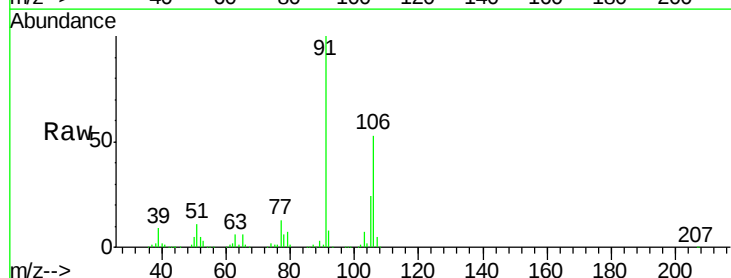
Acq: 16 Jul 2020 13:18

Tgt Ion: 106 Resp: 290713

Ion Ratio Lower Upper

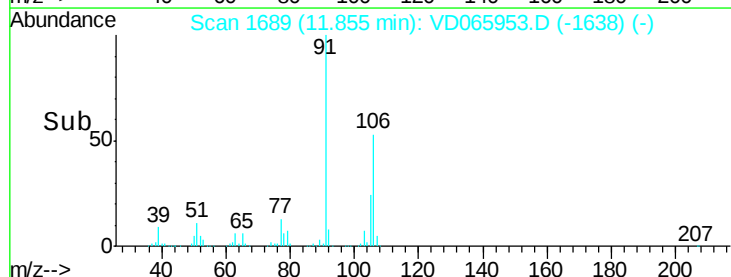
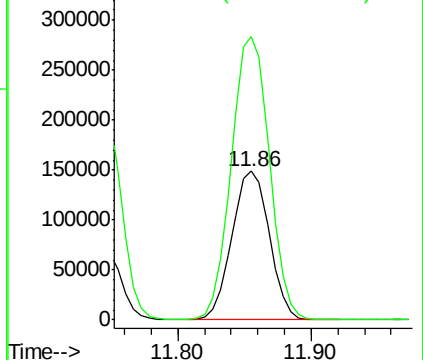
106 100

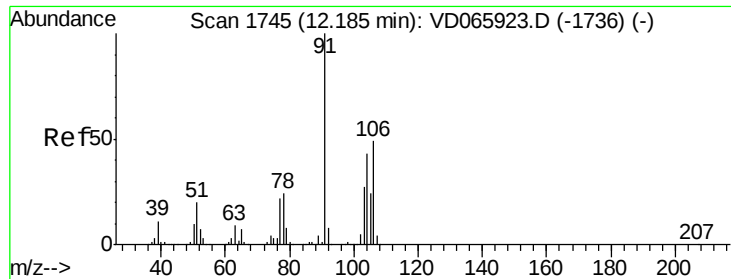
91 193.0 158.2 237.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





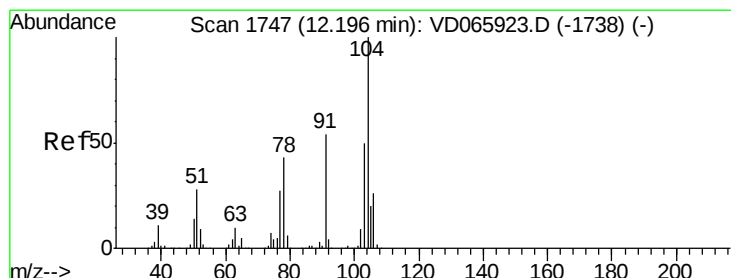
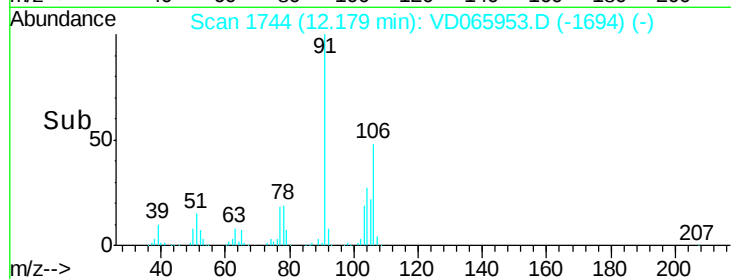
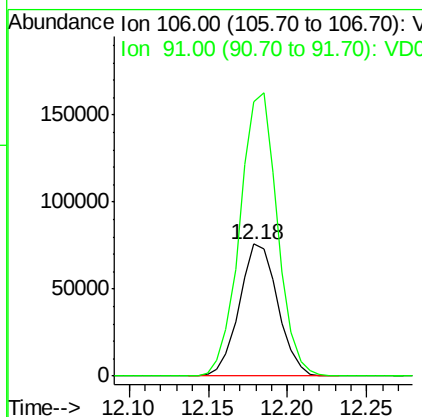
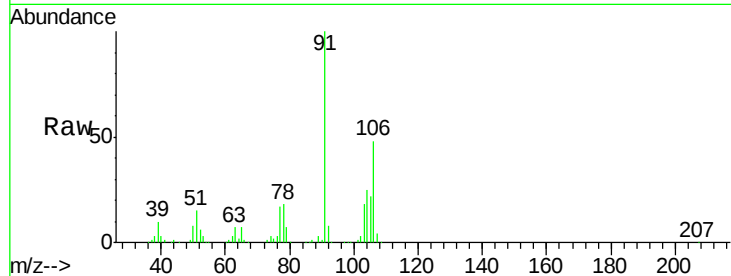
#69  
o-Xylene  
Concen: 21.302 ug/l  
RT: 12.18 min Scan# 1744  
Delta R.T. -0.01 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0716SBS01

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 127900 |       |       |
| 91      | 208.6 | 104.1 | 312.2  |       |       |

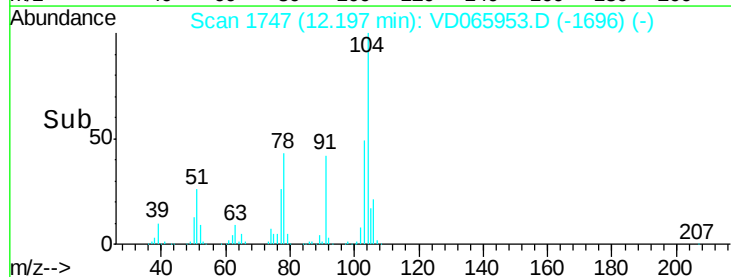
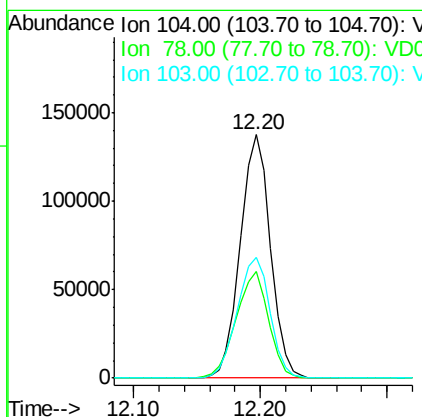
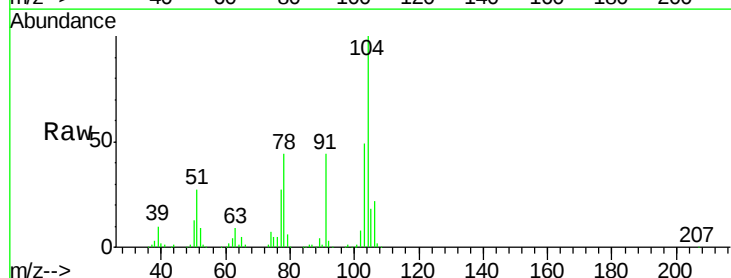
Manual Integrations  
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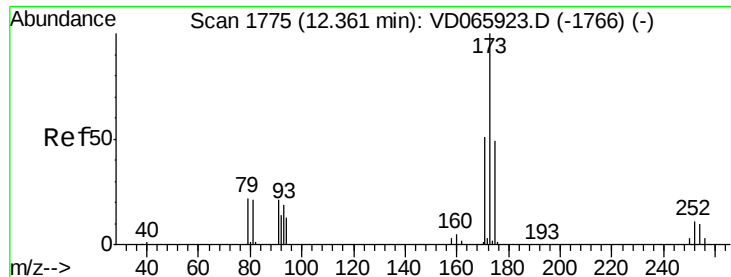
MMDadoda  
7/17/2020 4:43:38 PM



#70  
Styrene  
Concen: 21.956 ug/l  
RT: 12.20 min Scan# 1747  
Delta R.T. 0.00 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       | 227567 |       |       |
| 78      | 46.9 | 38.8  | 58.2   |       |       |
| 103     | 53.8 | 43.6  | 65.4   |       |       |





#71

Bromoform

Concen: 21.260 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0716SBS01

Tot Ion:173 Resp: 43939

Ion Ratio Lower Upper

173 100

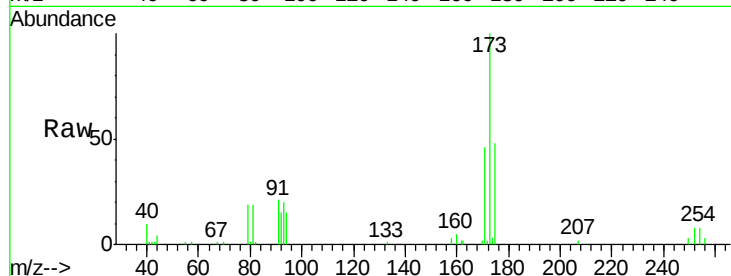
175 49.9 24.2 72.6

254 0.0 0.0 0.0

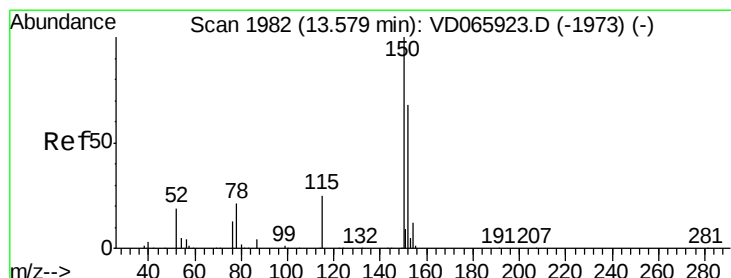
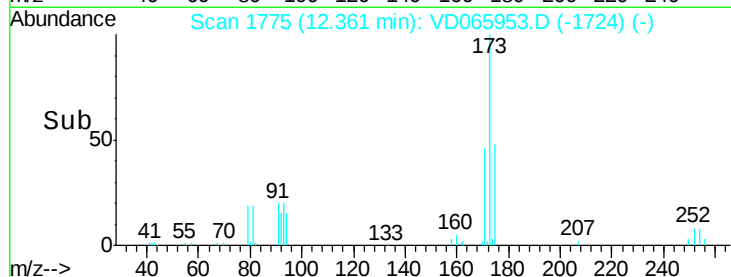
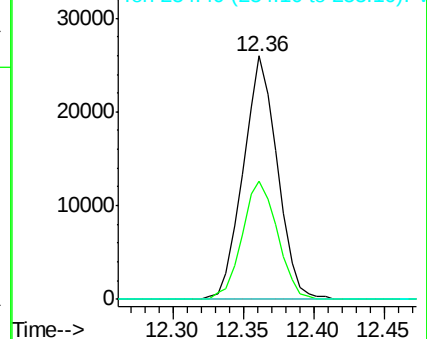
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Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

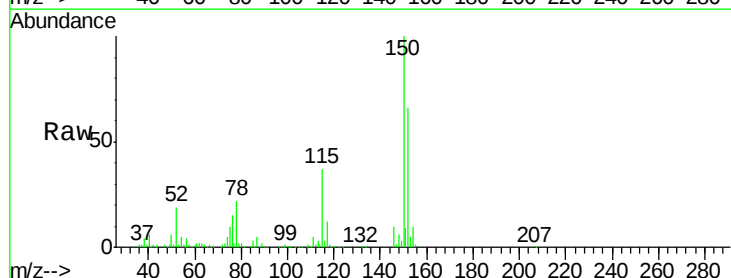
Tgt Ion:152 Resp: 255505

Ion Ratio Lower Upper

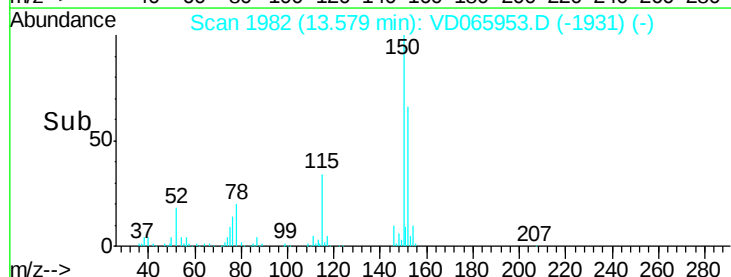
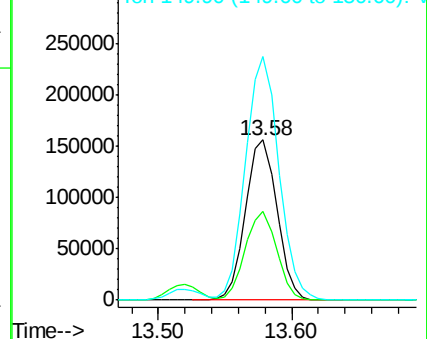
152 100

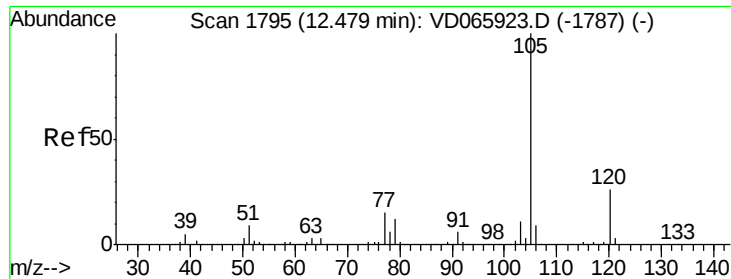
115 55.3 27.8 83.3

150 160.5 0.0 347.2



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: 20.436 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0716SBS01

Tot Ion: 105 Resp: 364415

Ion Ratio Lower Upper

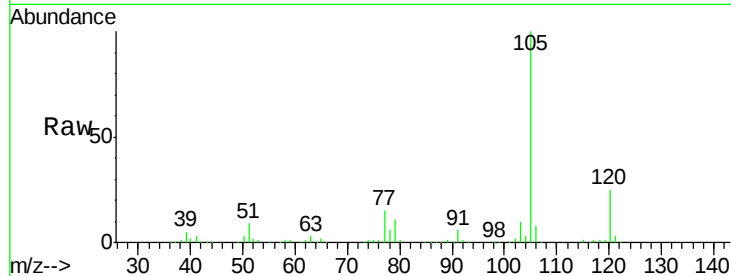
105 100

120 27.0 13.3 39.8

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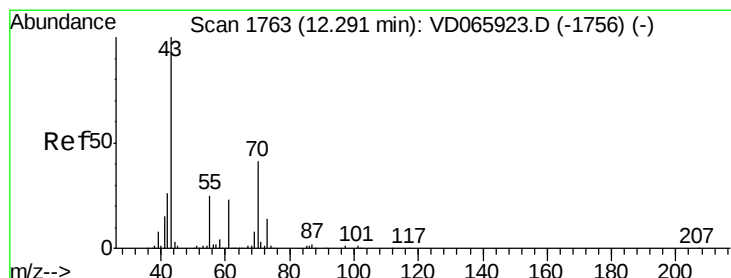
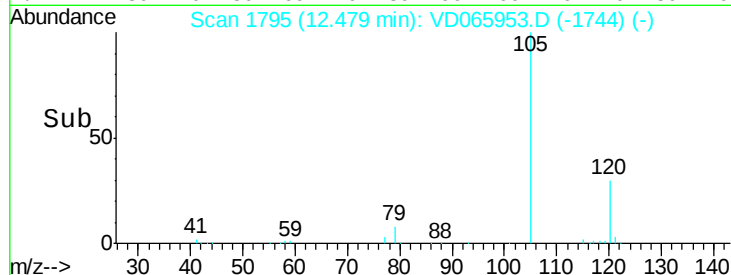
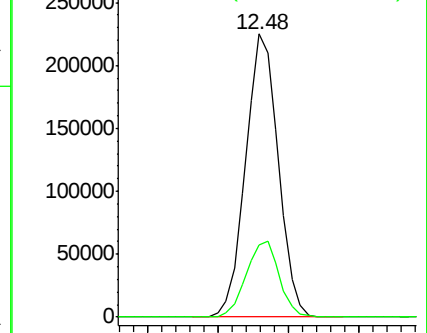
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.412 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Tgt Ion: 43 Resp: 73673

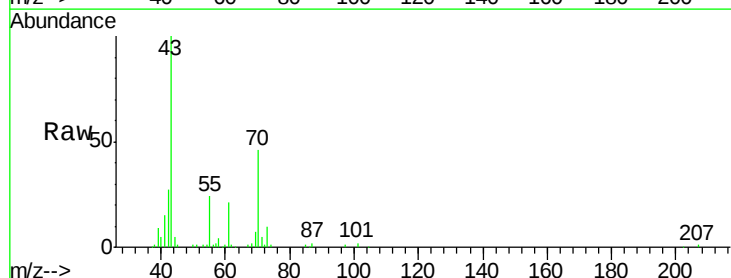
Ion Ratio Lower Upper

43 100

70 44.1 33.6 50.4

55 24.9 20.1 30.1

61 23.0 18.9 28.3

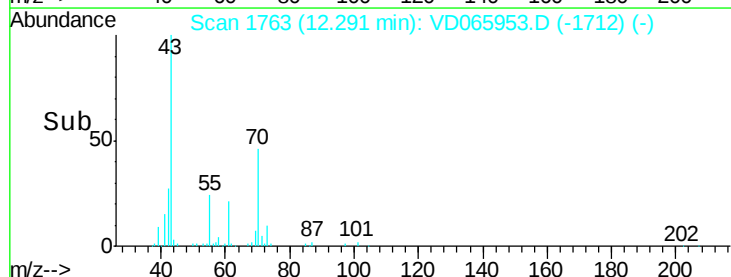
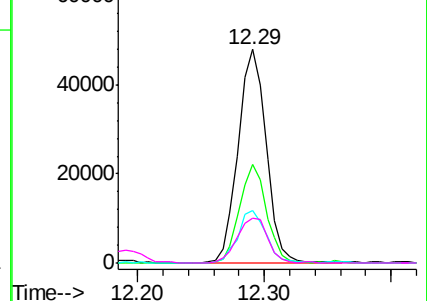


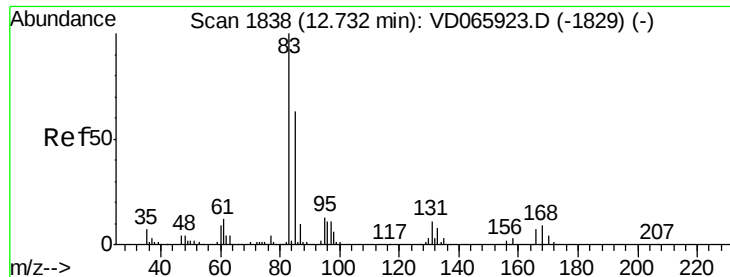
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.603 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0716SBS01

Tot Ion: 83 Resp: 58034

Ion Ratio Lower Upper

83 100

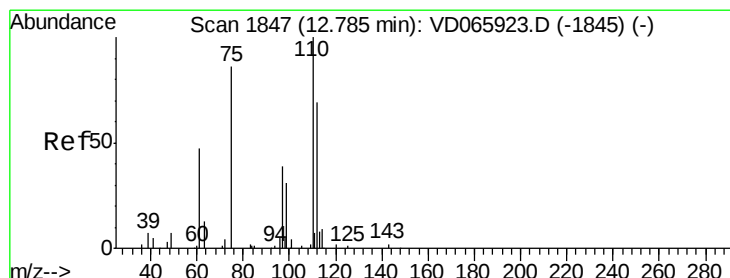
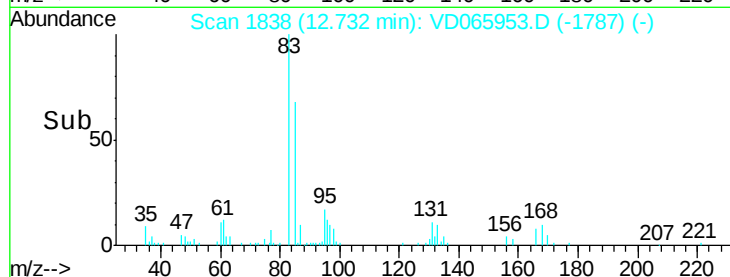
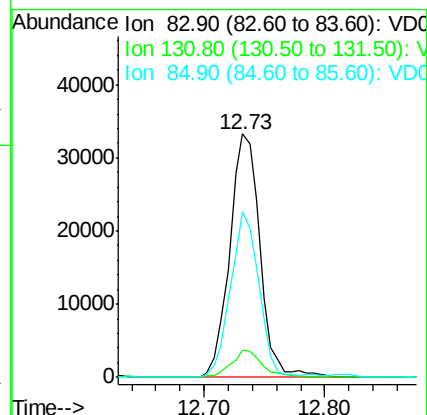
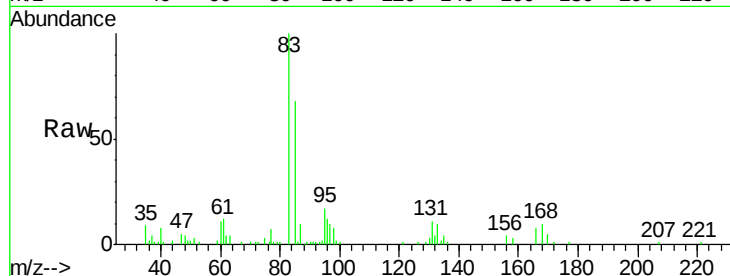
131 11.3 5.6 16.8

85 63.6 32.6 98.0

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 18.637 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD065953.D

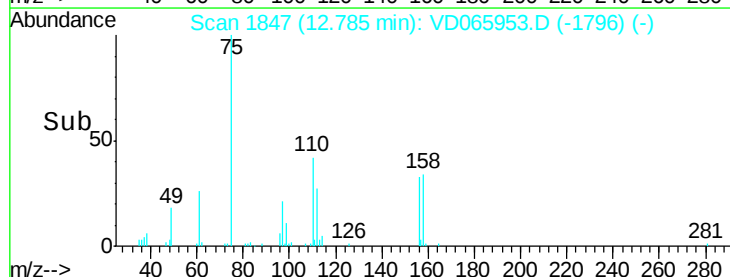
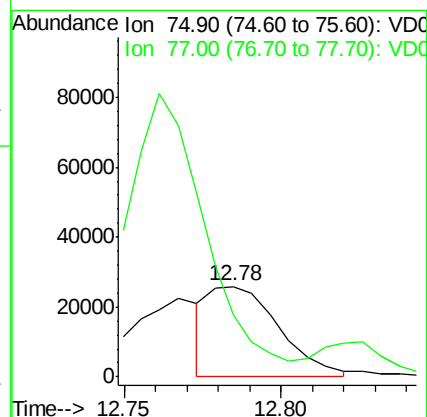
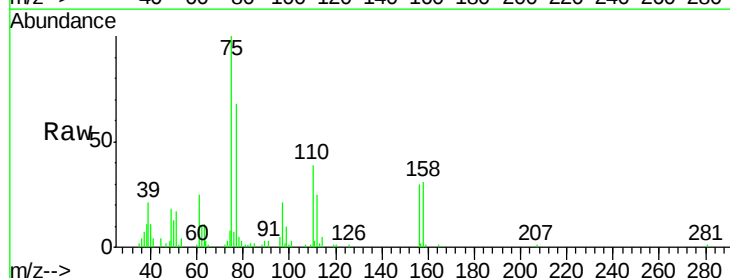
Acq: 16 Jul 2020 13:18

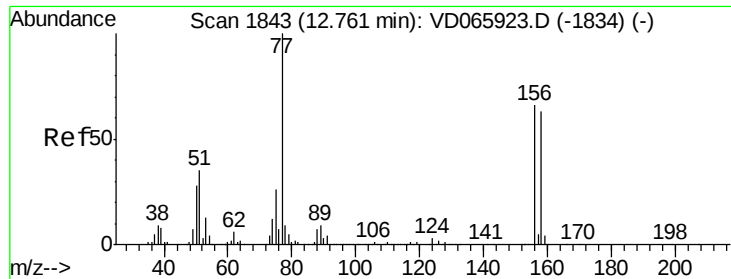
Tgt Ion: 75 Resp: 39945

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.683 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA\_D

ClientSampleId :

VD0716SBS01

Tot Ion:156 Resp: 89452

Ion Ratio Lower Upper

156 100

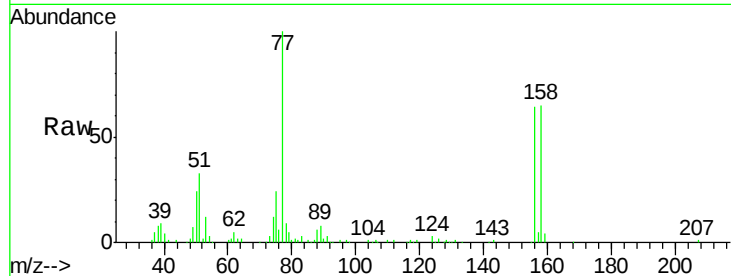
77 165.0 85.0 255.0

158 96.3 49.0 147.0

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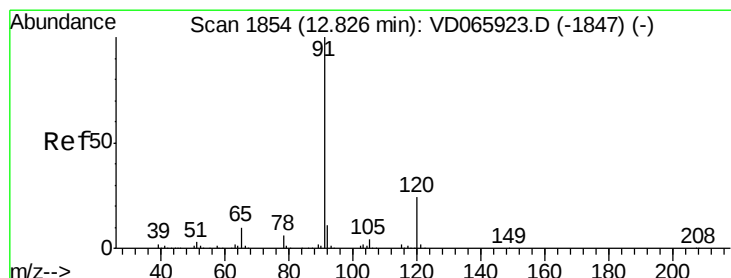
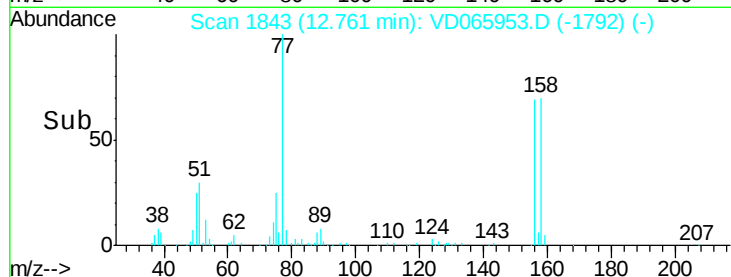
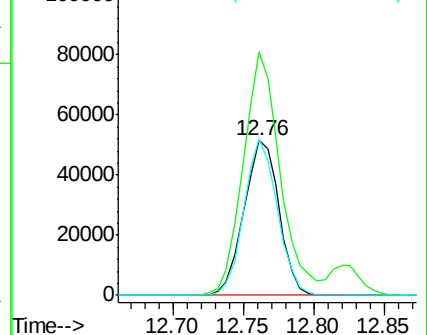
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.254 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VD065953.D

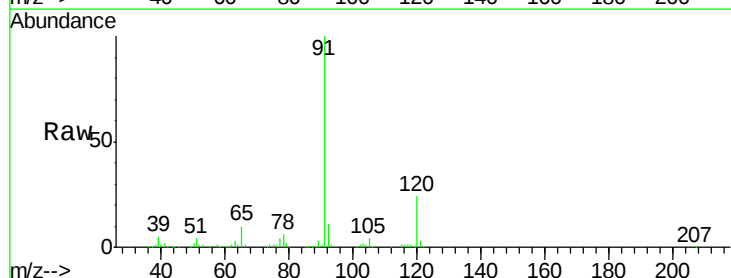
Acq: 16 Jul 2020 13:18

Tgt Ion: 91 Resp: 423440

Ion Ratio Lower Upper

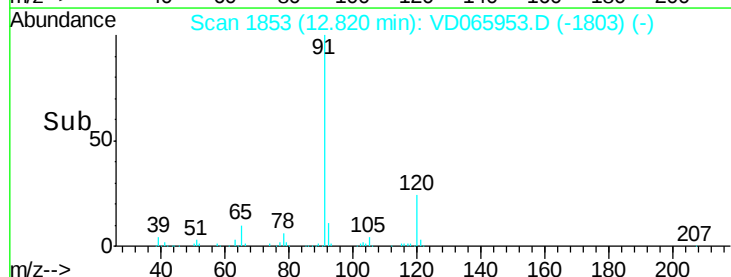
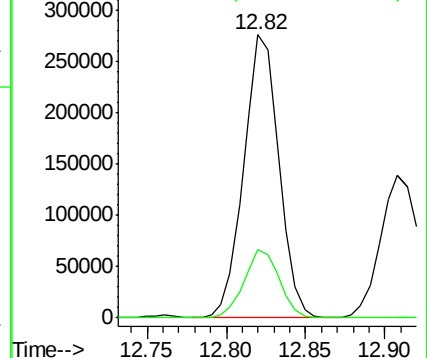
91 100

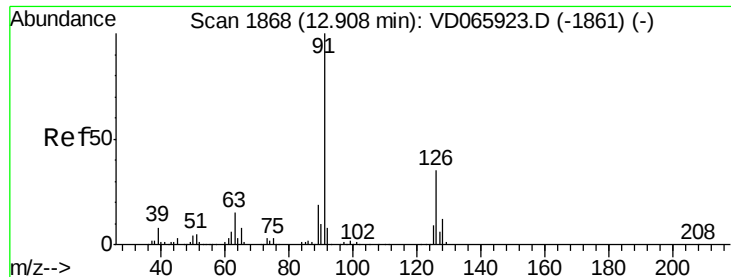
120 24.1 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





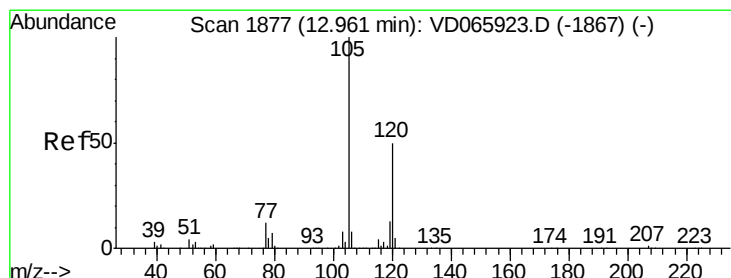
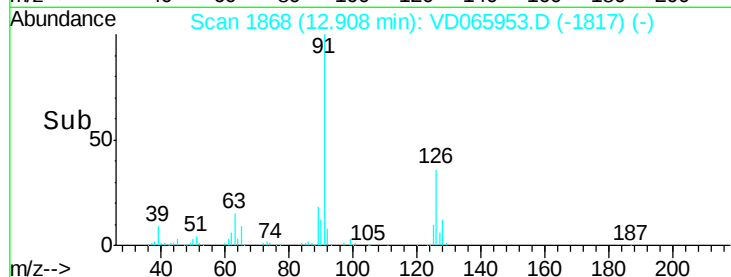
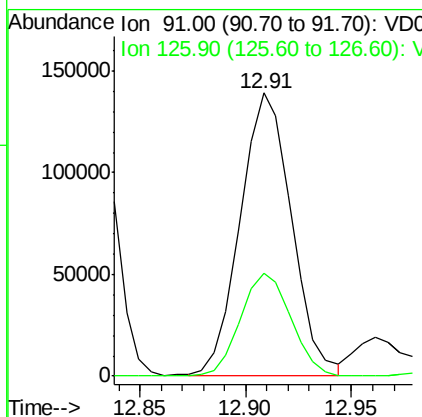
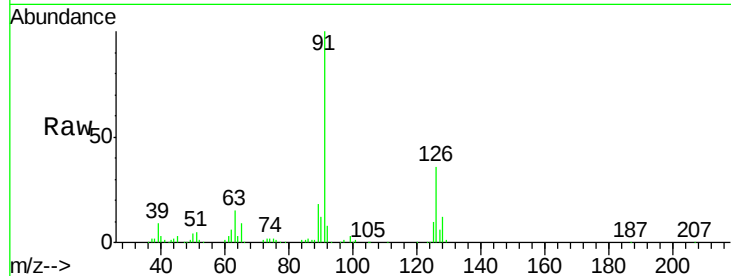
#79  
2-Chlorotoluene  
Concen: 19.752 ug/l  
RT: 12.91 min Scan# 1868  
Delta R.T. 0.00 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0716SBS01

Tot Ion: 91 Resp: 234261  
Ion Ratio Lower Upper  
91 100  
126 35.9 17.6 52.8

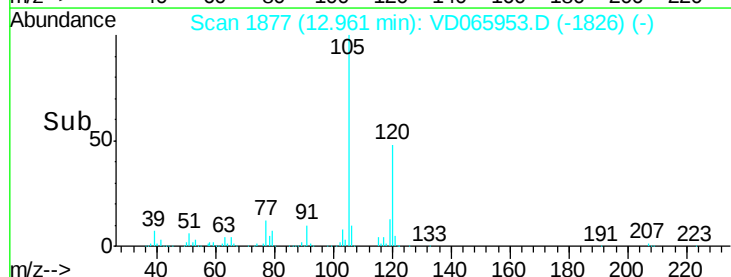
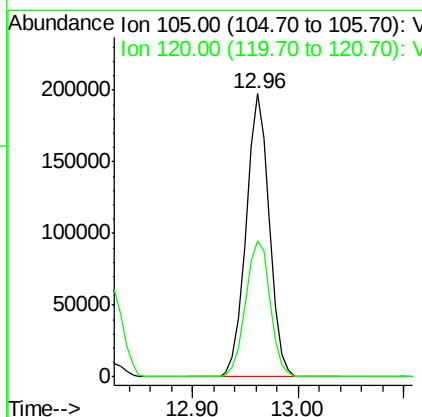
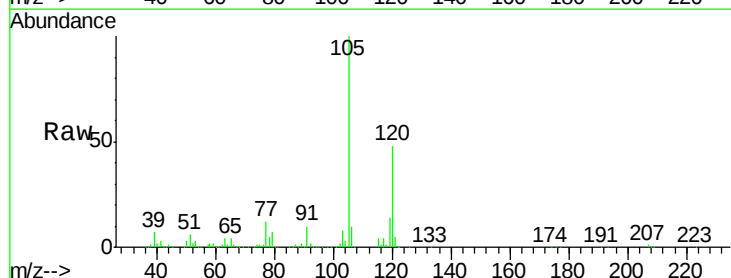
Manual Integrations  
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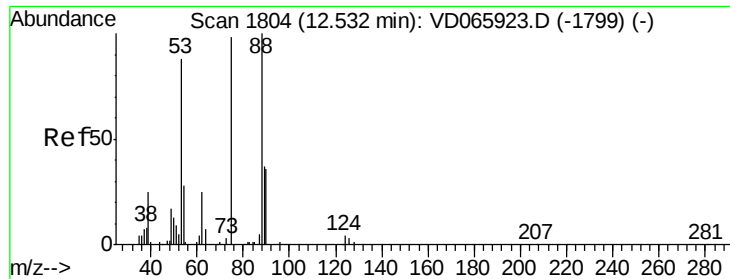
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#80  
1,3,5-Trimethylbenzene  
Concen: 20.753 ug/l  
RT: 12.96 min Scan# 1877  
Delta R.T. 0.00 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

Tgt Ion:105 Resp: 302684  
Ion Ratio Lower Upper  
105 100  
120 50.6 25.2 75.6





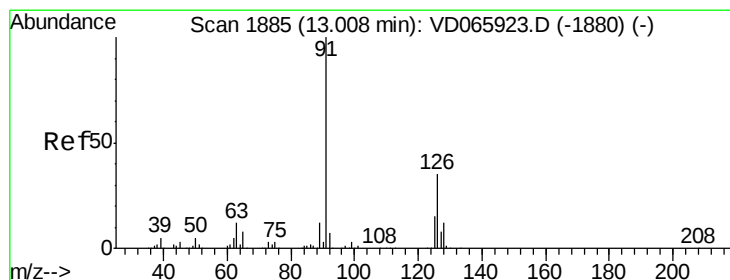
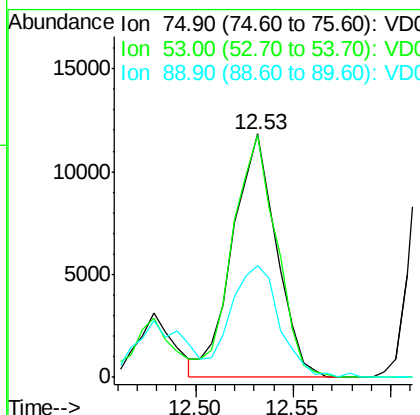
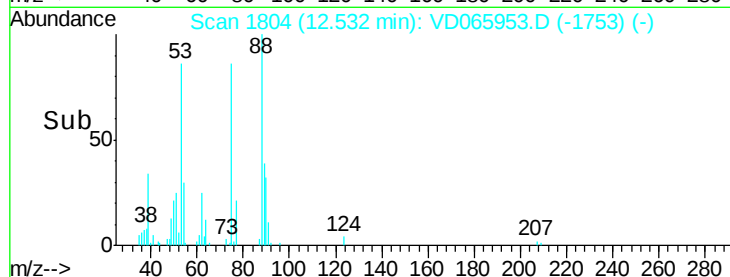
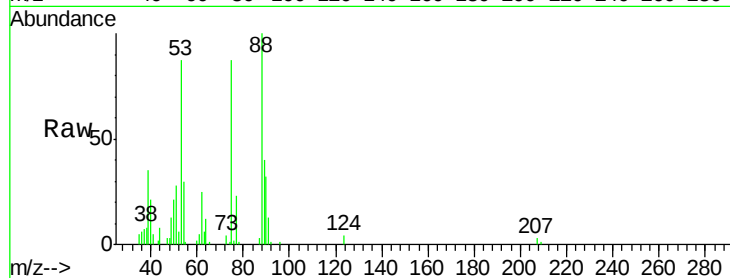
#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.546 ug/l  
RT: 12.53 min Scan# 1804  
Delta R.T. 0.00 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0716SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 100.3 | 75.8  | 113.8 |
| 89      | 51.1  | 37.5  | 56.3  |

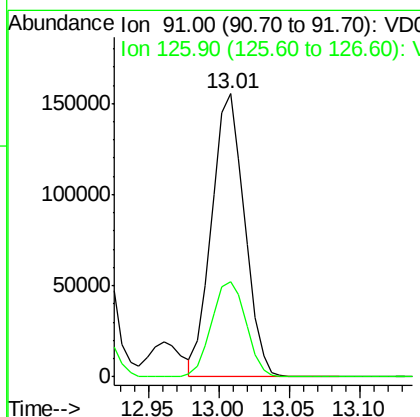
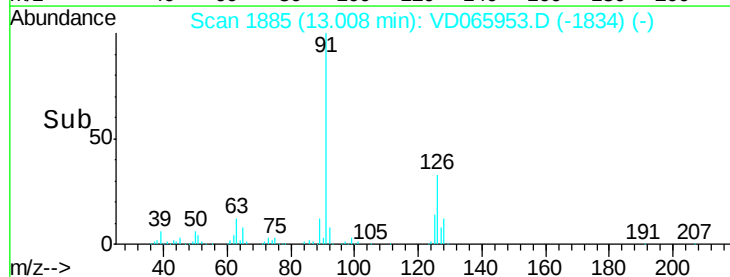
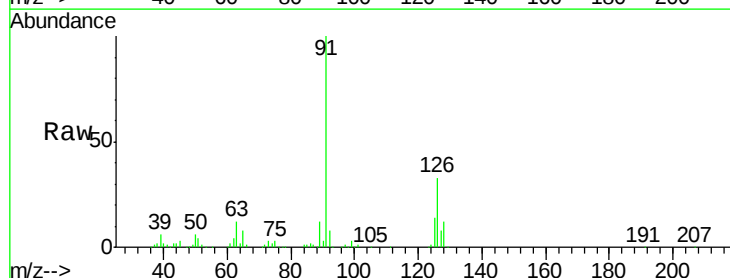
Manual Integrations  
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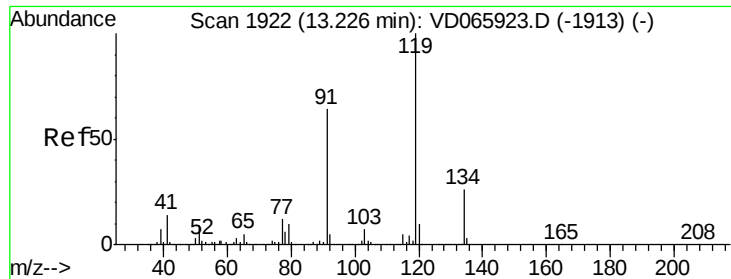
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#82  
4-Chlorotoluene  
Concen: 20.166 ug/l  
RT: 13.01 min Scan# 1885  
Delta R.T. 0.00 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.4  | 17.3  | 51.7  |





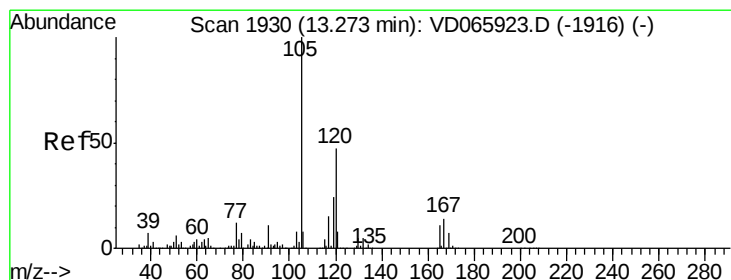
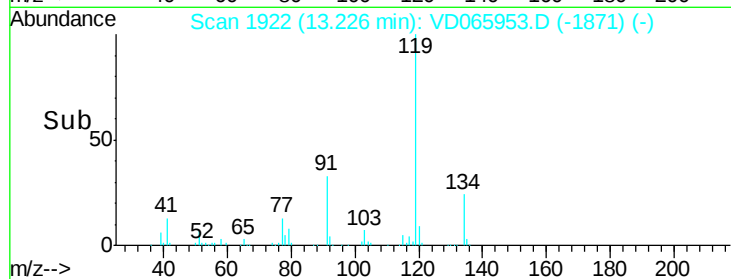
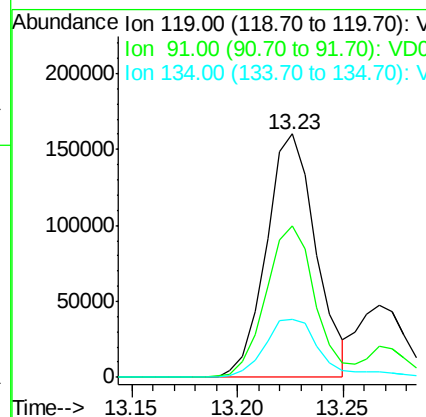
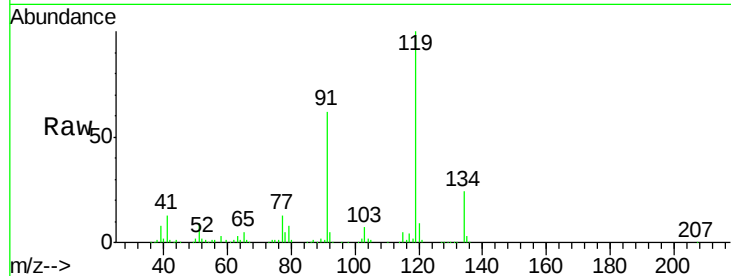
#83  
tert-Butylbenzene  
Concen: 21.069 ug/l  
RT: 13.23 min Scan# 1922  
Delta R.T. 0.00 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0716SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 261802 |       |       |
| 91      | 62.2  |        | 32.4  | 97.2  |
| 134     | 27.4  |        | 14.1  | 42.4  |

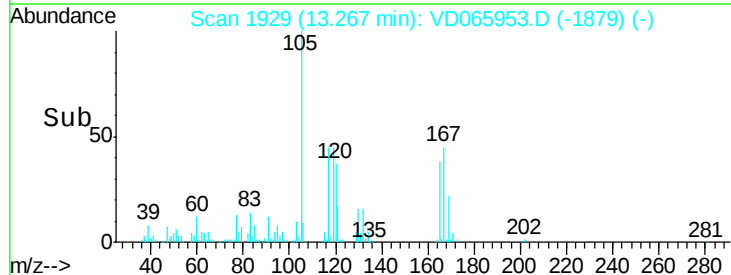
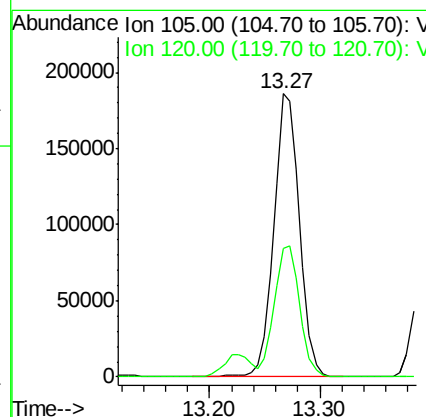
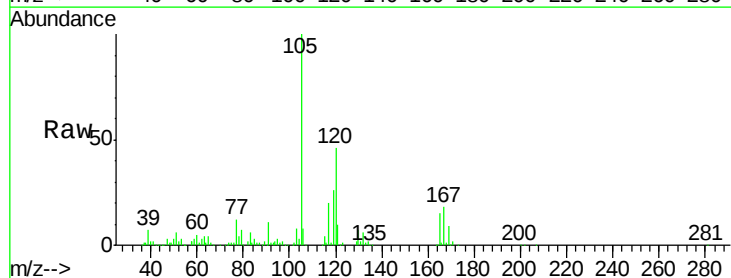
Manual Integrations  
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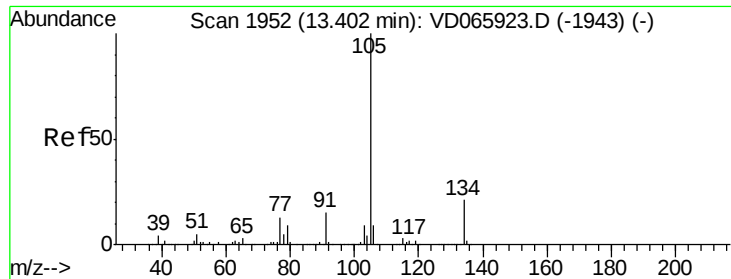
MMDadoda  
7/17/2020 4:43:38 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 20.669 ug/l  
RT: 13.27 min Scan# 1929  
Delta R.T. -0.01 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 300078 |       |       |
| 120     | 46.1  |        | 23.2  | 69.5  |





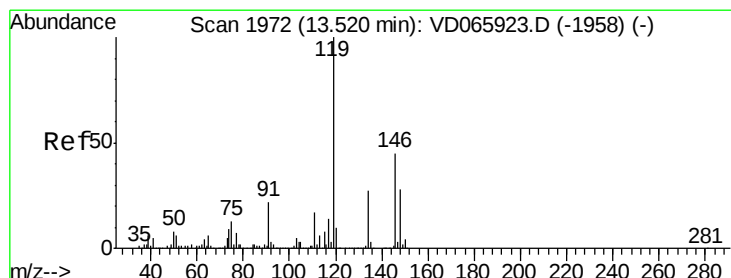
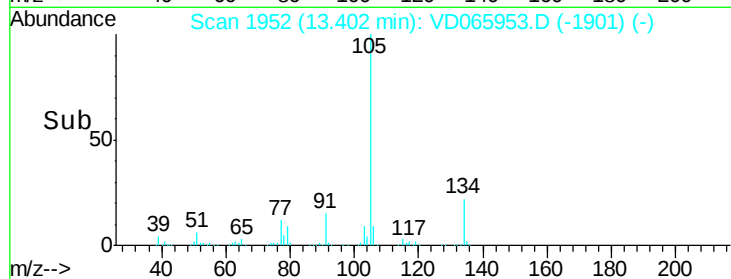
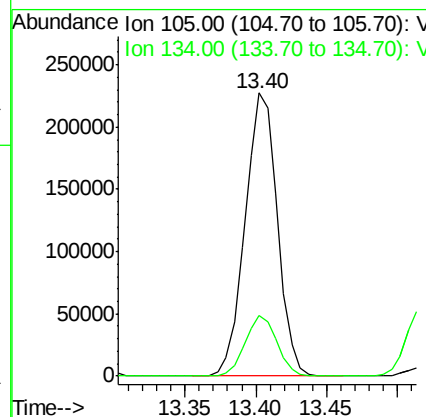
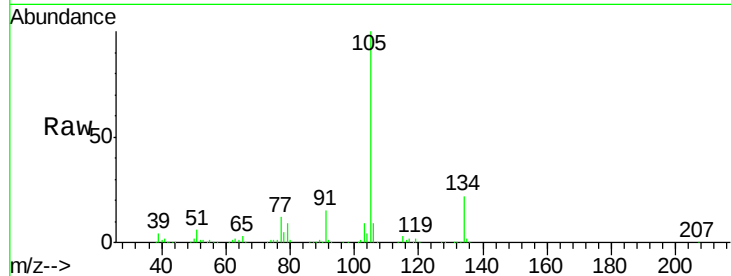
#85  
 sec-Butylbenzene  
 Concen: 20.648 ug/l  
 RT: 13.40 min Scan# 1952  
 Delta R.T. 0.00 min  
 Lab File: VD065953.D  
 Acq: 16 Jul 2020 13:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0716SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 21.2  | 10.4  | 31.1  |

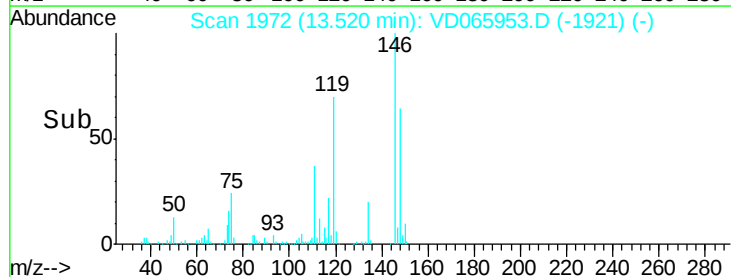
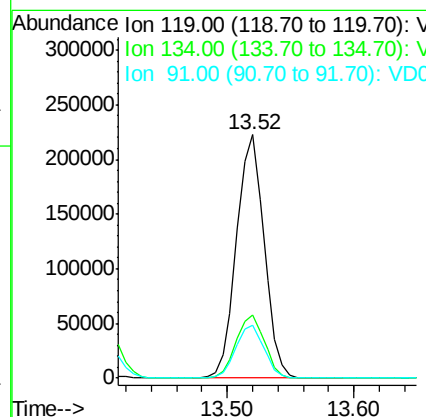
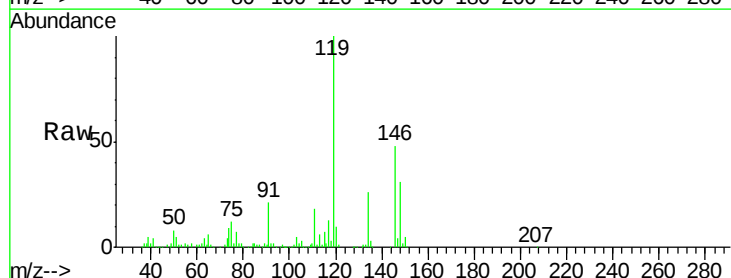
Manual Integrations  
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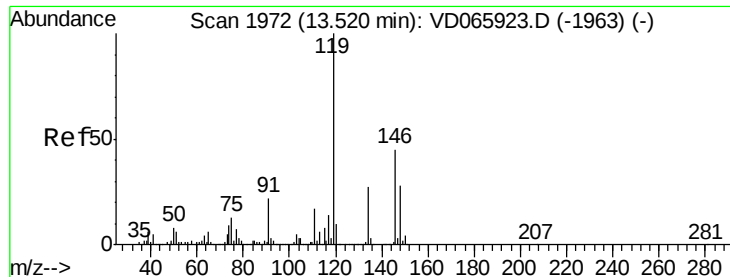
MMDadoda  
 7/17/2020 4:43:38 PM



#86  
 p-Isopropyltoluene  
 Concen: 20.810 ug/l  
 RT: 13.52 min Scan# 1972  
 Delta R.T. 0.00 min  
 Lab File: VD065953.D  
 Acq: 16 Jul 2020 13:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.6  | 13.4  | 40.1  |
| 91      | 22.2  | 11.3  | 33.8  |





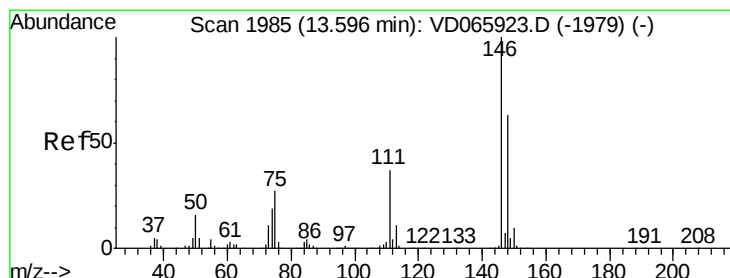
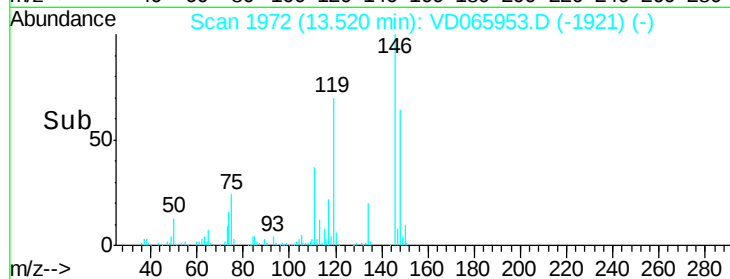
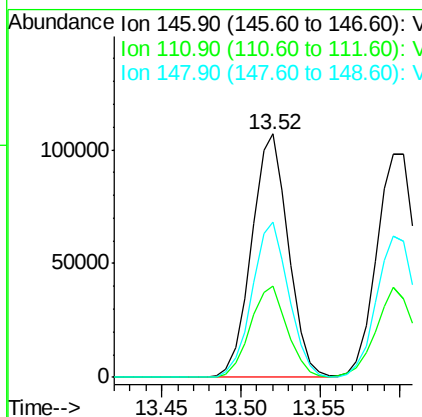
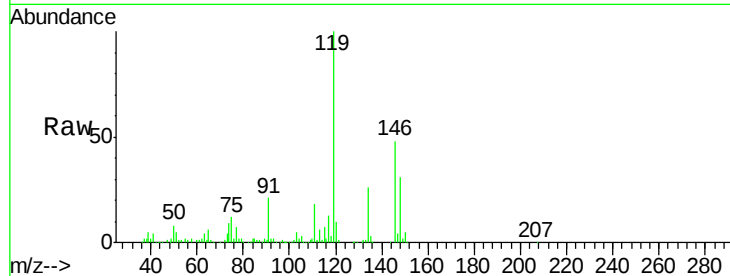
#87  
 1,3-Dichlorobenzene  
 Concen: 21.292 ug/l  
 RT: 13.52 min Scan# 1972  
 Delta R.T. 0.00 min  
 Lab File: VD065953.D  
 Acq: 16 Jul 2020 13:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0716SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 172314 |       |       |
| 111     | 37.6  | 19.3   | 57.8  |       |
| 148     | 63.5  | 32.0   | 96.0  |       |

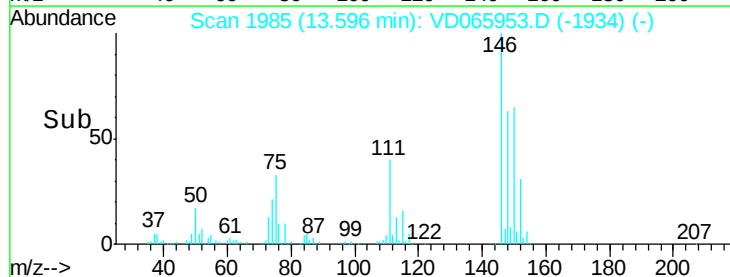
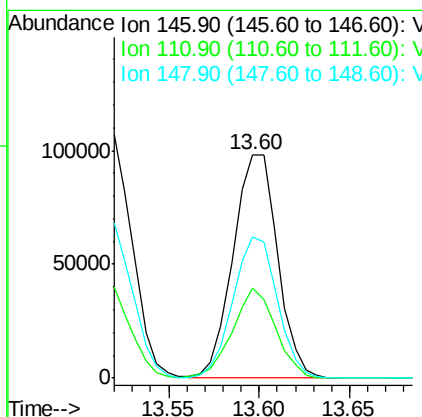
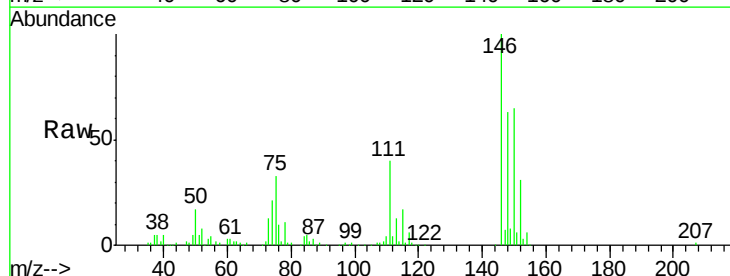
Manual Integrations  
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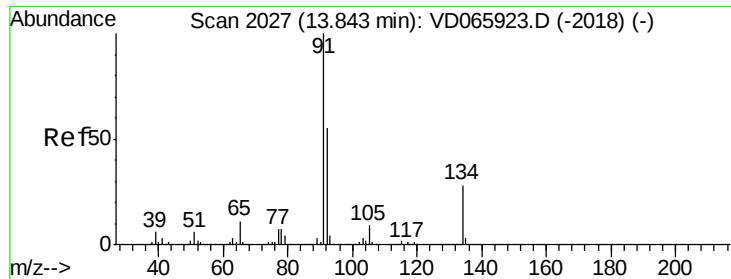
MMDadoda  
 7/17/2020 4:43:38 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 20.817 ug/l  
 RT: 13.60 min Scan# 1985  
 Delta R.T. 0.00 min  
 Lab File: VD065953.D  
 Acq: 16 Jul 2020 13:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 168078 |       |       |
| 111     | 39.0  | 18.9   | 56.7  |       |
| 148     | 63.2  | 32.1   | 96.3  |       |





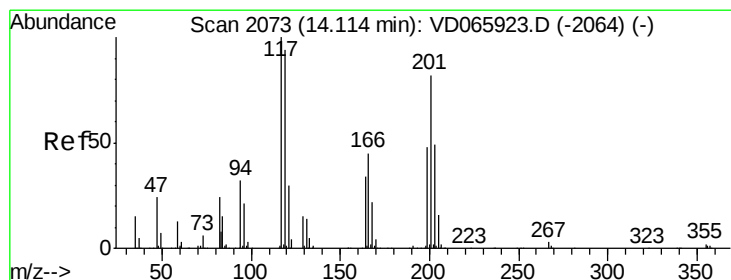
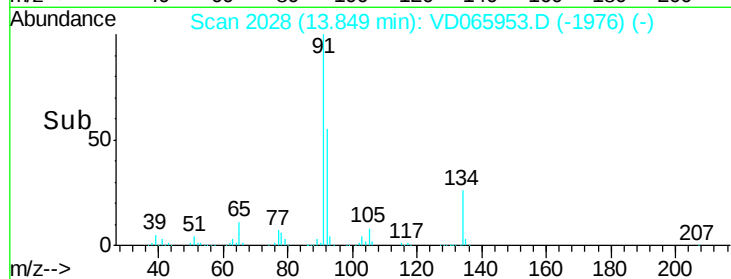
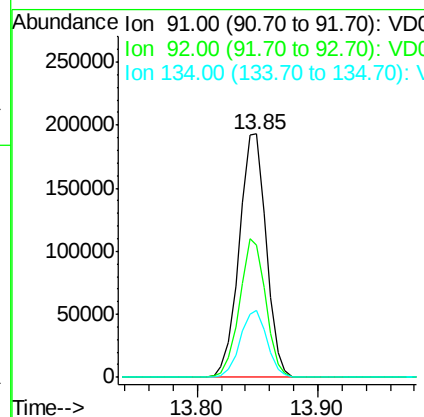
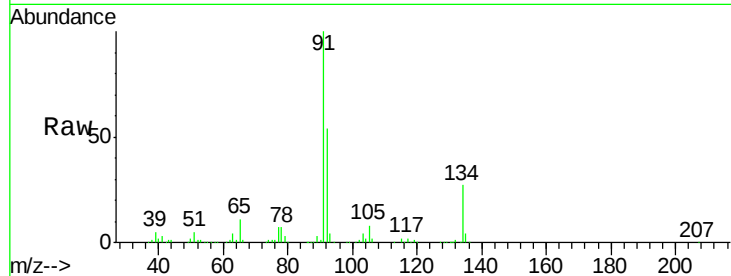
#89  
n-Butylbenzene  
Concen: 19.936 ug/l  
RT: 13.85 min Scan# 2028  
Delta R.T. 0.01 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0716SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 55.0  | 27.2  | 81.6  |
| 134     | 27.4  | 13.8  | 41.3  |

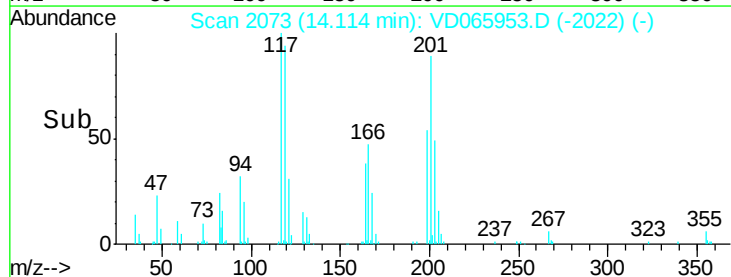
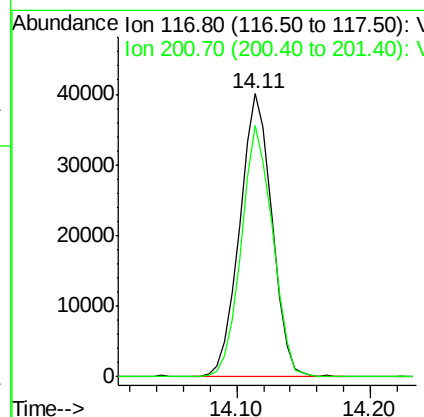
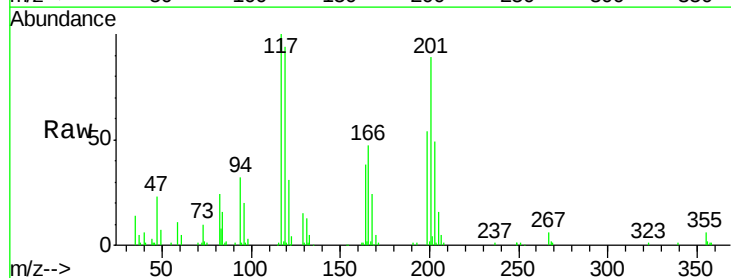
Manual Integrations  
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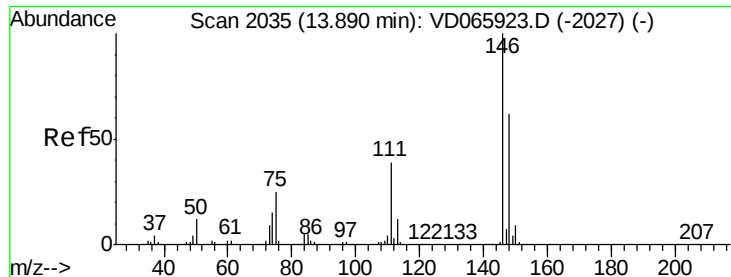
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#90  
Hexachloroethane  
Concen: 20.593 ug/l  
RT: 14.11 min Scan# 2073  
Delta R.T. 0.00 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 86.3  | 40.0  | 120.0 |





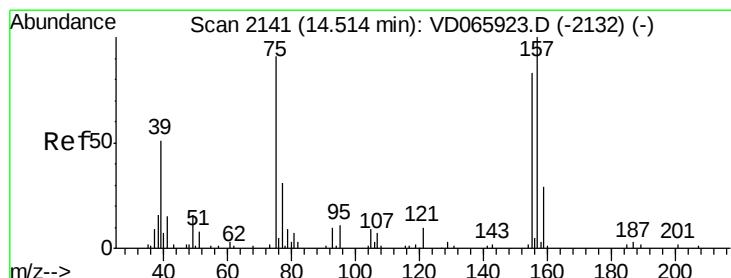
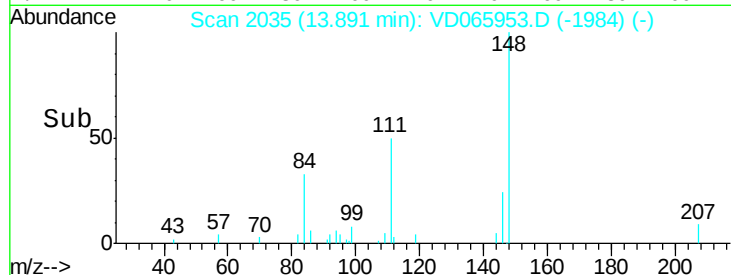
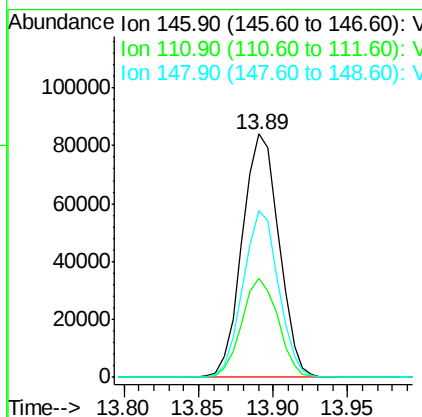
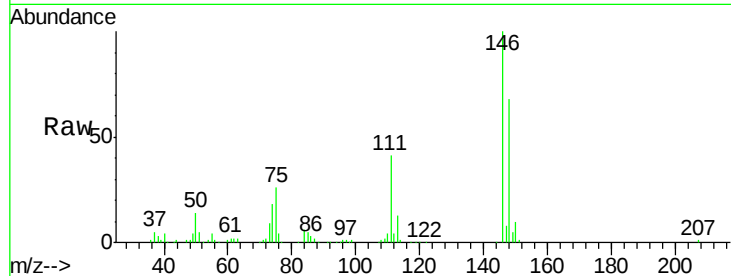
#91  
 1,2-Dichlorobenzene  
 Concen: 20.271 ug/l  
 RT: 13.89 min Scan# 2035  
 Delta R.T. 0.00 min  
 Lab File: VD065953.D  
 Acq: 16 Jul 2020 13:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0716SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.2  | 19.7  | 59.0  |
| 148     | 66.1  | 32.5  | 97.5  |

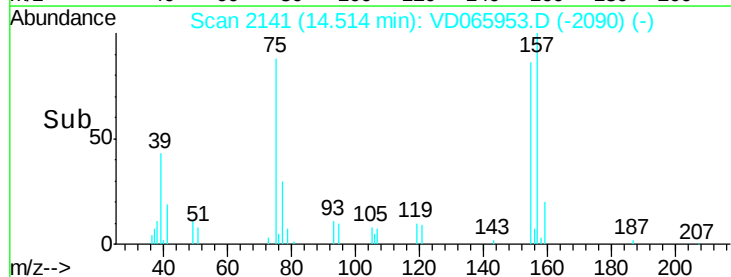
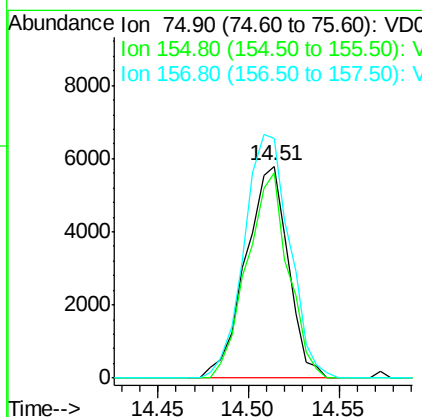
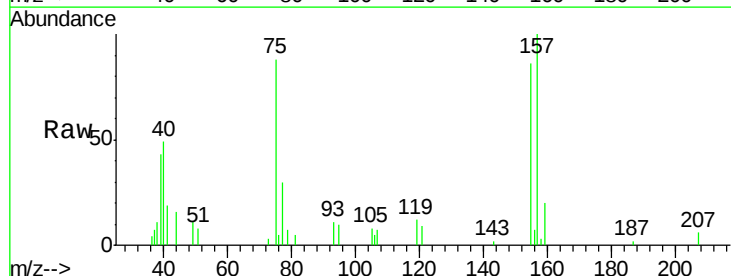
Manual Integrations  
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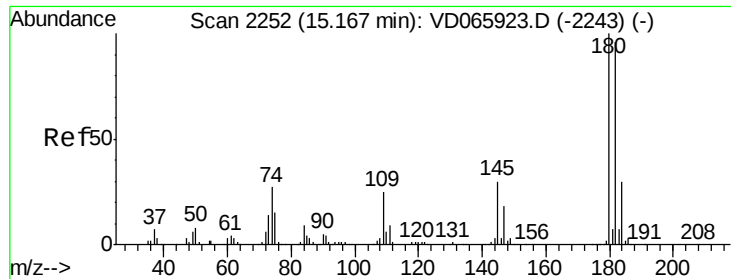
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.084 ug/l  
 RT: 14.51 min Scan# 2141  
 Delta R.T. 0.00 min  
 Lab File: VD065953.D  
 Acq: 16 Jul 2020 13:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 94.2  | 45.3  | 135.8 |
| 157     | 122.5 | 56.9  | 170.6 |





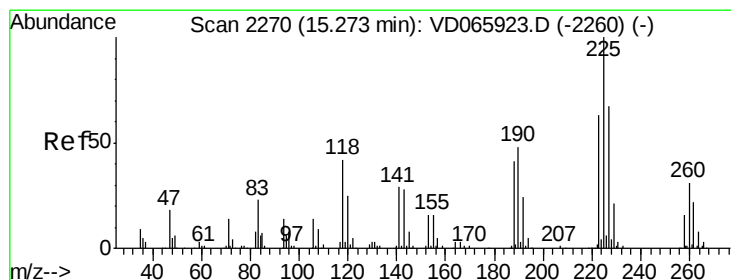
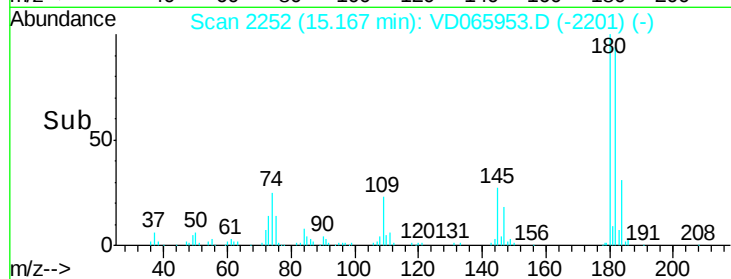
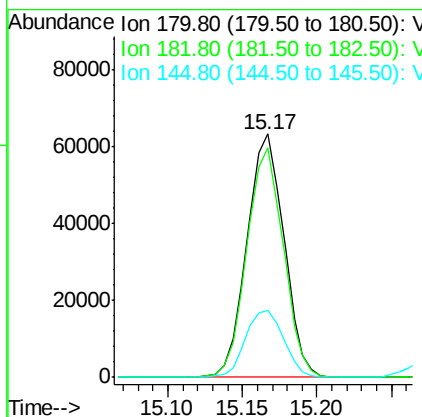
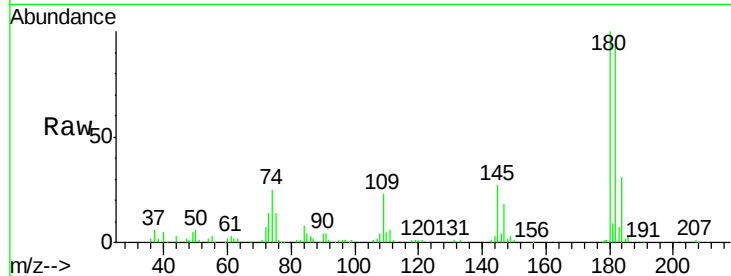
#93  
 1,2,4-Trichlorobenzene  
 Concen: 21.564 ug/l  
 RT: 15.17 min Scan# 2252  
 Delta R.T. 0.00 min  
 Lab File: VD065953.D  
 Acq: 16 Jul 2020 13:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0716SBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 93.4  | 48.5 | 145.6 |       |
| 145     | 28.5  | 15.0 | 45.1  |       |

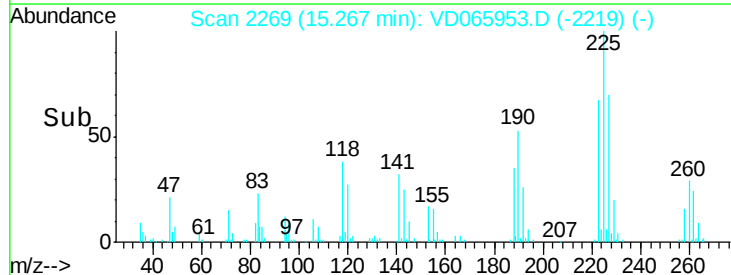
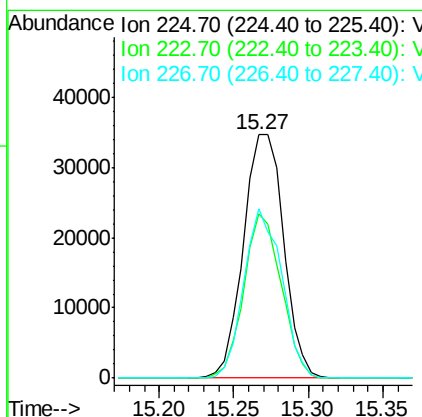
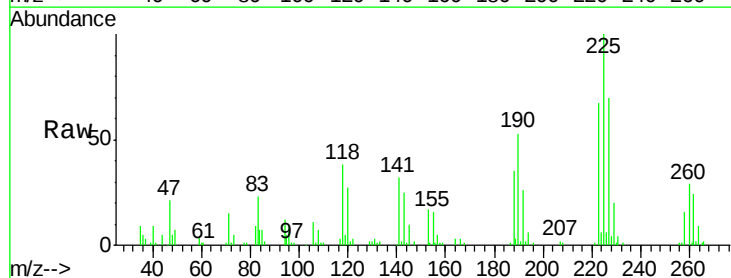
Manual Integrations  
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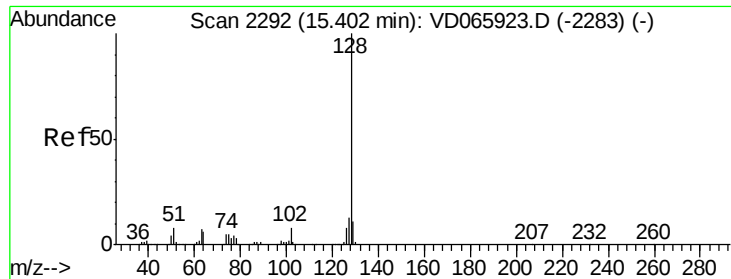
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 7/17/2020 4:43:38 PM



#94  
 Hexachlorobutadiene  
 Concen: 21.248 ug/l  
 RT: 15.27 min Scan# 2269  
 Delta R.T. -0.01 min  
 Lab File: VD065953.D  
 Acq: 16 Jul 2020 13:18

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 62.9  | 31.1 | 93.2  |       |
| 227     | 65.5  | 31.6 | 95.0  |       |





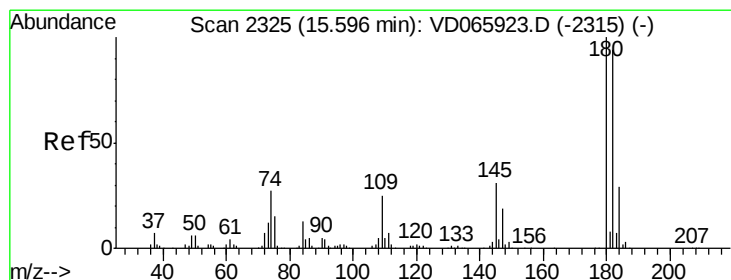
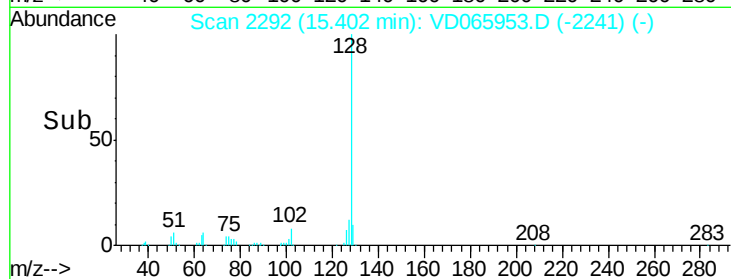
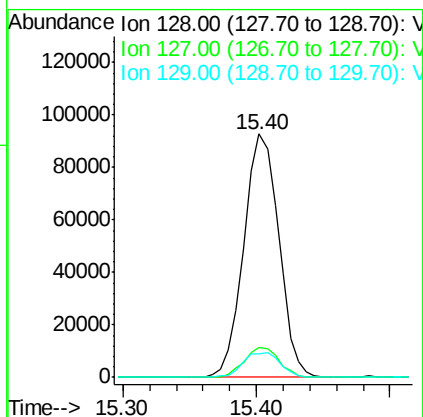
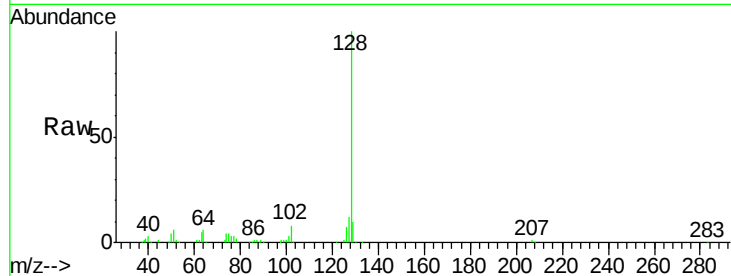
#95  
Naphthalene  
Concen: 19.905 ug/l  
RT: 15.40 min Scan# 2292  
Delta R.T. 0.00 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0716SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.4  | 10.8  | 16.2  |
| 129     | 10.8  | 8.9   | 13.3  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 21.464 ug/l  
RT: 15.60 min Scan# 2325  
Delta R.T. 0.00 min  
Lab File: VD065953.D  
Acq: 16 Jul 2020 13:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.5  | 47.6  | 142.8 |
| 145     | 29.8  | 16.1  | 48.2  |

