

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100520\  
 Data File : VD067075.D  
 Acq On : 05 Oct 2020 11:24  
 Operator : VA/SY  
 Sample : VD1005SBS01  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1005SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 10/6/2020 12:55:09 PM

Quant Time: Oct 06 07:33:51 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100120S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 01 15:19:17 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 471038   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.86  | 114  | 714108   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 642885   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 319302   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.33   | 65  | 206654   | 45.55 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.10%  |      |
| 35) Dibromofluoromethane  | 7.91   | 113 | 231853   | 49.59 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.18%  |      |
| 50) Toluene-d8            | 10.34  | 98  | 859258   | 50.44 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.88% |      |
| 62) 4-Bromofluorobenzene  | 12.63  | 95  | 295153   | 51.04 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.08% |      |

## Target Compounds

|                               |      |     |        |        |        | Qvalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 93591  | 21.894 | ug/l   | 95     |
| 3) Chloromethane              | 2.21 | 50  | 71886  | 19.163 | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.35 | 62  | 73779  | 19.615 | ug/l   | 98     |
| 5) Bromomethane               | 2.77 | 94  | 53938  | 19.615 | ug/l   | 91     |
| 6) Chloroethane               | 2.92 | 64  | 45816  | 20.001 | ug/l   | 98     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 168264 | 20.135 | ug/l   | 99     |
| 8) Diethyl Ether              | 3.71 | 74  | 40455  | 19.522 | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.10 | 101 | 97674  | 20.679 | ug/l   | 98     |
| 10) Methyl Iodide             | 4.30 | 142 | 87908  | 19.154 | ug/l   | 99     |
| 11) Tert butyl alcohol        | 5.22 | 59  | 22542  | 44.918 | ug/l # | 85     |
| 12) 1,1-Dichloroethene        | 4.07 | 96  | 89818  | 20.228 | ug/l   | 99     |
| 13) Acrolein                  | 3.93 | 56  | 24873  | 81.874 | ug/l   | 97     |
| 14) Allyl chloride            | 4.71 | 41  | 114116 | 19.783 | ug/l   | 97     |
| 15) Acrylonitrile             | 5.43 | 53  | 72931  | 95.621 | ug/l   | 95     |
| 16) Acetone                   | 4.16 | 43  | 66343  | 95.791 | ug/l # | 88     |
| 17) Carbon Disulfide          | 4.40 | 76  | 272350 | 19.986 | ug/l   | 99     |
| 18) Methyl Acetate            | 4.72 | 43  | 32017  | 18.393 | ug/l   | 96     |
| 19) Methyl tert-butyl Ether   | 5.48 | 73  | 158251 | 19.523 | ug/l # | 90     |
| 20) Methylene Chloride        | 4.97 | 84  | 100580 | 15.436 | ug/l   | 95     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96  | 101175 | 20.022 | ug/l   | 95     |
| 22) Diisopropyl ether         | 6.37 | 45  | 213206 | 20.245 | ug/l   | 97     |
| 23) Vinyl Acetate             | 6.31 | 43  | 562498 | 94.259 | ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 6.26 | 63  | 160738 | 19.778 | ug/l   | 94     |
| 25) 2-Butanone                | 7.21 | 43  | 85668  | 87.246 | ug/l   | 100    |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 149148 | 18.895 | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 107424 | 19.905 | ug/l   | 97     |
| 28) Bromochloromethane        | 7.55 | 49  | 55391  | 17.648 | ug/l   | 94     |
| 29) Tetrahydrofuran           | 7.57 | 42  | 51564  | 91.329 | ug/l   | 97     |
| 30) Chloroform                | 7.71 | 83  | 179357 | 20.344 | ug/l   | 97     |
| 31) Cyclohexane               | 7.98 | 56  | 135261 | 19.851 | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane     | 7.90 | 97  | 162204 | 19.852 | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 135877 | 20.413 | ug/l   | 98     |
| 37) Ethyl Acetate             | 7.30 | 43  | 37844  | 16.412 | ug/l # | 91     |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 153351 | 21.293 | ug/l   | 98     |

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD1005SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 10/6/2020 12:55:09 PM

Quant Time: Oct 06 07:33:51 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100120S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 01 15:19:17 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.36  | 83   | 149216   | 21.204  | ug/l   | 92       |
| 40) Benzene                    | 8.35  | 78   | 378134   | 20.453  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.53  | 41   | 20312    | 16.305  | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 102016   | 19.747  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.45  | 43   | 80245    | 18.890  | ug/l   | 99       |
| 44) Trichloroethene            | 9.11  | 130  | 116364   | 21.078  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.38  | 63   | 91494    | 21.062  | ug/l   | 100      |
| 46) Dibromomethane             | 9.48  | 93   | 50689    | 20.302  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.66  | 83   | 131567   | 20.272  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.46  | 41   | 44009    | 20.222  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.46  | 88   | 10332    | 396.502 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 200817   | 94.908  | ug/l   | 100      |
| 52) Toluene                    | 10.40 | 92   | 256604   | 21.546  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.62 | 75   | 115066   | 19.838  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene    | 10.08 | 75   | 144153   | 20.352  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 68726    | 19.799  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.66 | 69   | 72646    | 20.271  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 111613   | 19.828  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 195579   | 98.050  | ug/l   | 96       |
| 59) 2-Hexanone                 | 10.98 | 43   | 136354   | 96.551  | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.14 | 129  | 94275    | 20.377  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 67733    | 20.311  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.87 | 164  | 102149   | 21.856  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.67 | 112  | 273971   | 21.427  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 105341   | 21.659  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.74 | 91   | 467512   | 21.340  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.86 | 106  | 376621   | 44.112  | ug/l   | 100      |
| 69) o-Xylene                   | 12.18 | 106  | 165068   | 21.620  | ug/l   | 96       |
| 70) Styrene                    | 12.20 | 104  | 284144   | 21.673  | ug/l   | 98       |
| 71) Bromoform                  | 12.36 | 173  | 53341    | 21.128  | ug/l   | 95       |
| 73) Isopropylbenzene           | 12.48 | 105  | 463716   | 21.388  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.29 | 43   | 73533    | 18.867  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.73 | 83   | 72888    | 19.953  | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane     | 12.78 | 75   | 49130m   | 17.665  | ug/l   |          |
| 77) Bromobenzene               | 12.76 | 156  | 111326   | 21.265  | ug/l   | 94       |
| 78) n-propylbenzene            | 12.82 | 91   | 540216   | 21.083  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 306659   | 20.918  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.96 | 105  | 390907   | 21.340  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.53 | 75   | 21039    | 18.860  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 326019   | 20.902  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 340766   | 22.091  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 393891   | 21.547  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.41 | 105  | 456771   | 21.027  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.52 | 119  | 428430   | 21.273  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.52 | 146  | 213403   | 20.928  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 208704   | 20.469  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.85 | 91   | 389035   | 21.136  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.12 | 117  | 72543    | 20.563  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 181710   | 20.404  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51 | 75   | 10229    | 17.371  | ug/l   | 83       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100520\  
Data File : VD067075.D  
Acq On : 05 Oct 2020 11:24  
Operator : VA/SY  
Sample : VD1005SBSD01  
Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1005SBSD01

Manual Integrations  
APPROVED

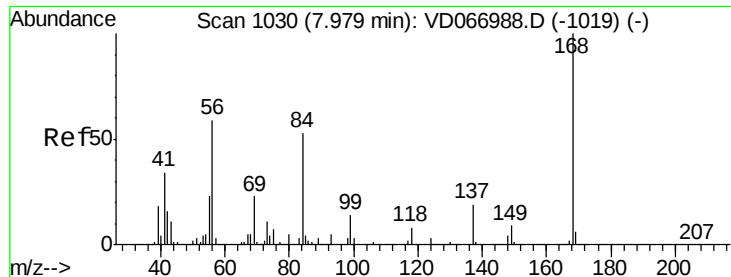
MMDadoda  
10/6/2020 12:55:09 PM

Quant Time: Oct 06 07:33:51 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100120S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 01 15:19:17 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 121691   | 21.125 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.28 | 225  | 75203    | 21.258 | ug/l  | 97       |
| 95) Naphthalene            | 15.41 | 128  | 190466   | 19.823 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.60 | 180  | 103504   | 20.698 | ug/l  | 99       |

(#) = 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: VD067075.D

Acq: 05 Oct 2020 11:24

Instrument :

MSVOA\_D

ClientSampleId :

VD1005SBS01

Tot Ion:168 Resp: 471038

Ion Ratio Lower Upper

168 100

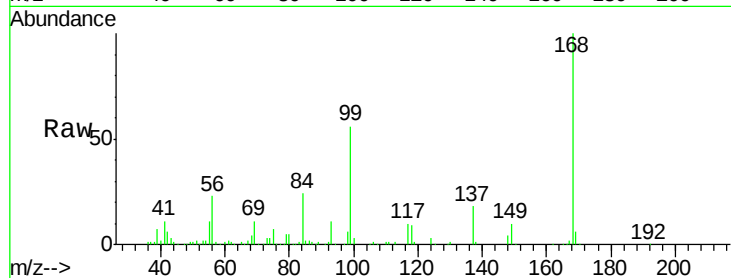
99 56.0 44.1 66.1

Manual Integrations

APPROVED

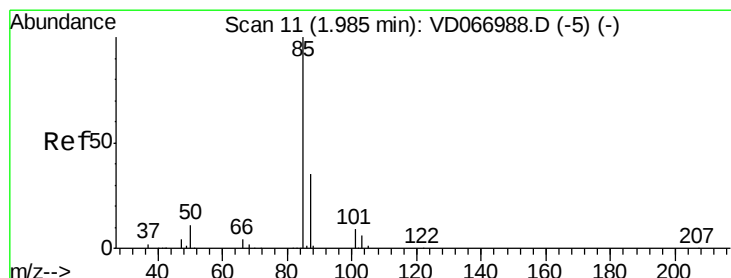
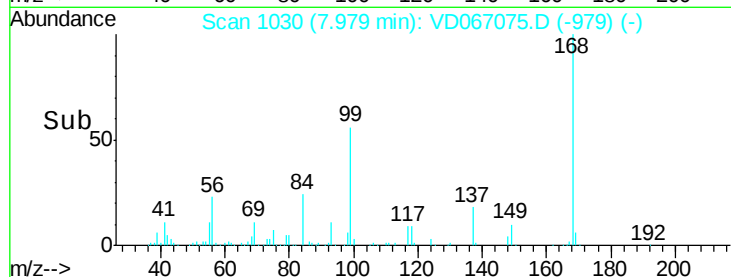
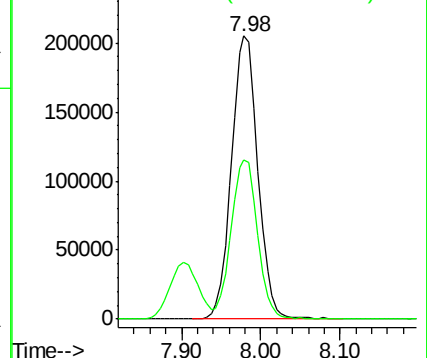
MMDadoda

10/6/2020 12:55:09 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.894 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067075.D

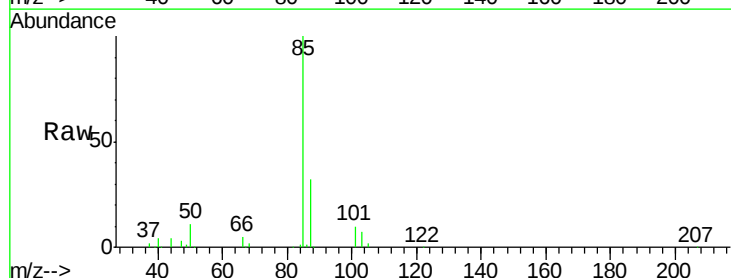
Acq: 05 Oct 2020 11:24

Tgt Ion: 85 Resp: 93591

Ion Ratio Lower Upper

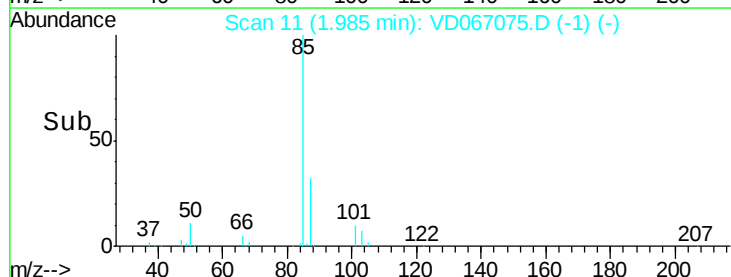
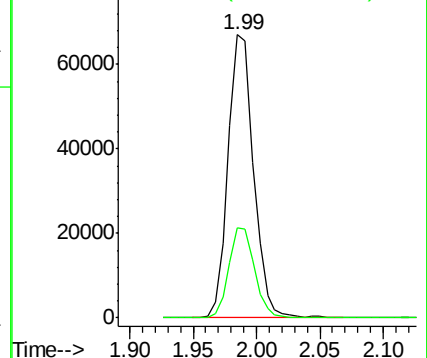
85 100

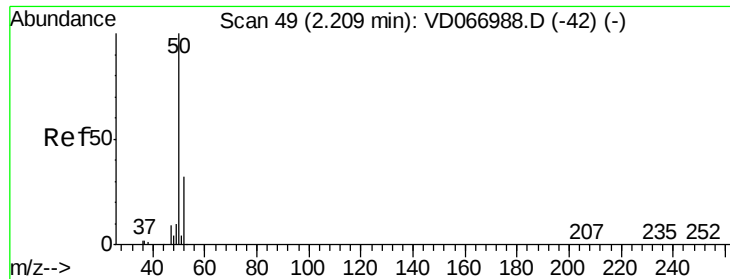
87 32.0 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.163 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

Instrument :

MSVOA\_D

ClientSampleId :

VD1005SBS01

Tot Ion: 50 Resp: 71886

Ion Ratio Lower Upper

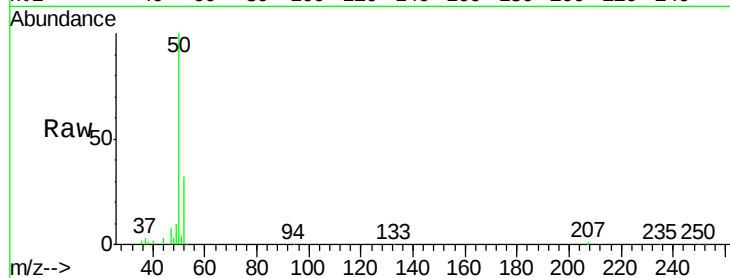
50 100

52 32.2 25.3 37.9

Manual Integrations  
APPROVED

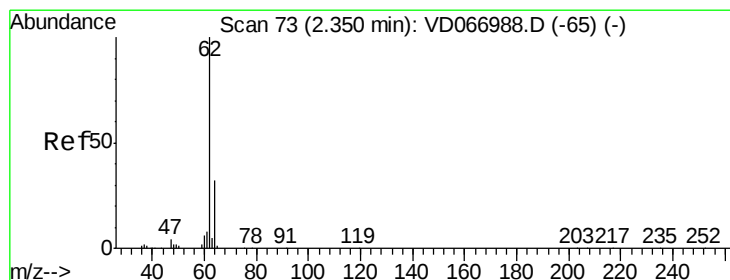
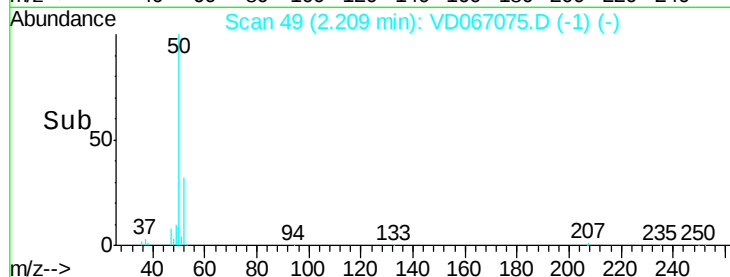
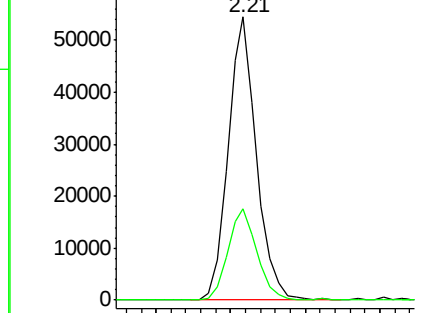
MMDadoda

10/6/2020 12:55:09 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.615 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067075.D

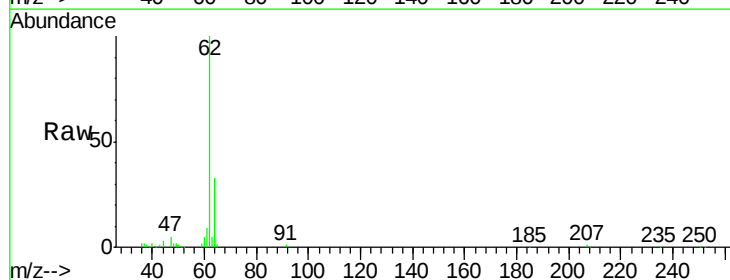
Acq: 05 Oct 2020 11:24

Tgt Ion: 62 Resp: 73779

Ion Ratio Lower Upper

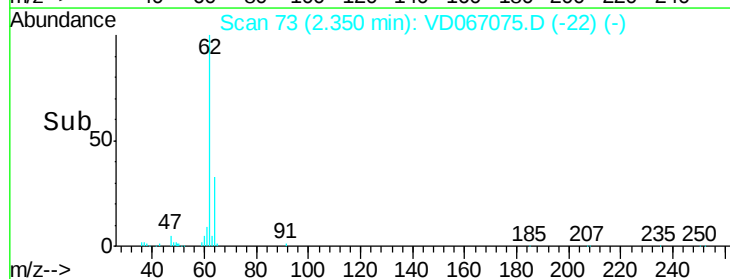
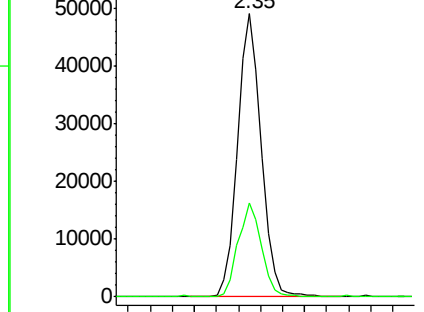
62 100

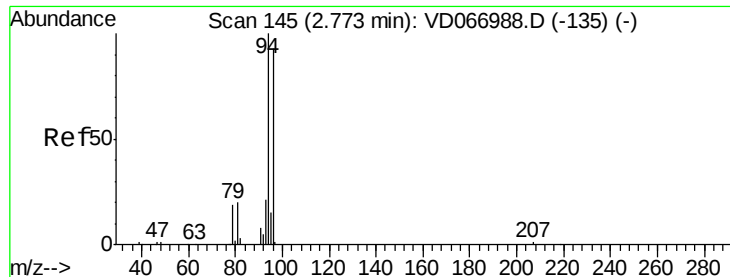
64 33.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.615 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

Instrument :

MSVOA\_D

ClientSampleId :

VD1005SBS01

Tot Ion: 94 Resp: 53938

Ion Ratio Lower Upper

94 100

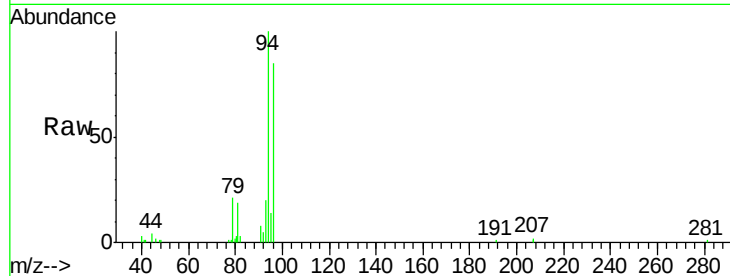
96 84.6 74.6 112.0

Manual Integrations

APPROVED

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10/6/2020 12:55:09 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

25000

20000

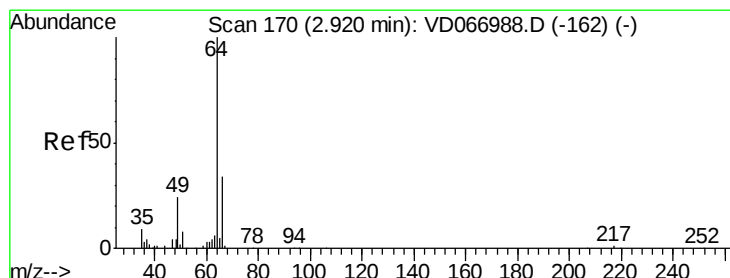
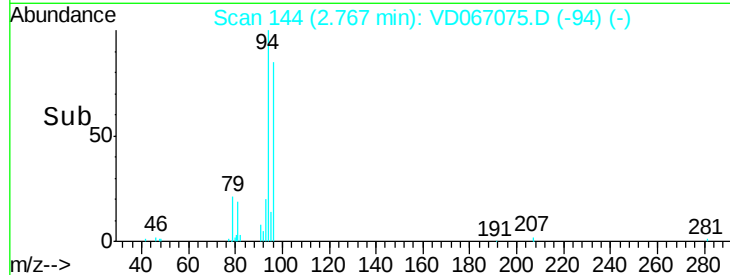
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 20.001 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD067075.D

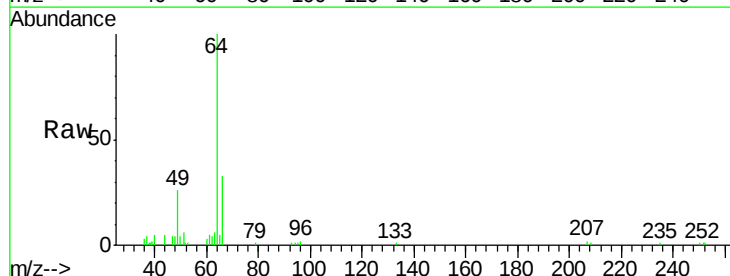
Acq: 05 Oct 2020 11:24

Tgt Ion: 64 Resp: 45816

Ion Ratio Lower Upper

64 100

66 32.9 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

25000

20000

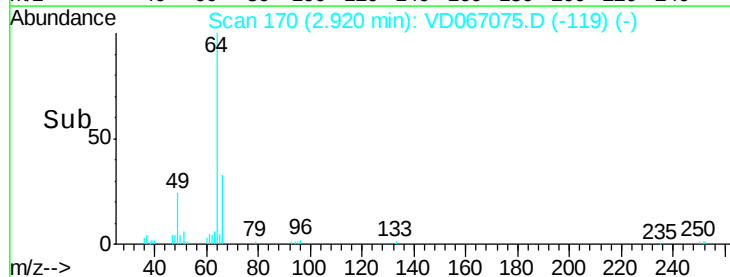
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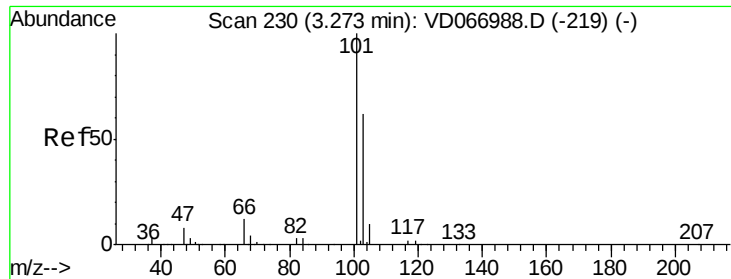
10000

5000

0

Time-->





#7

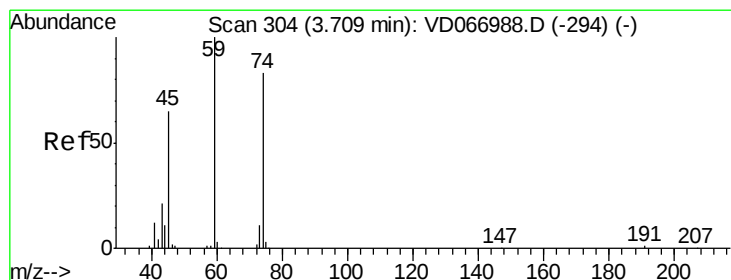
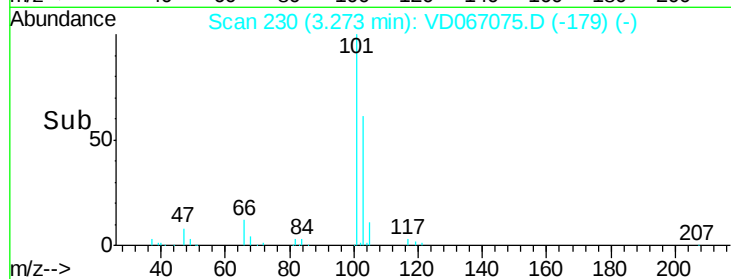
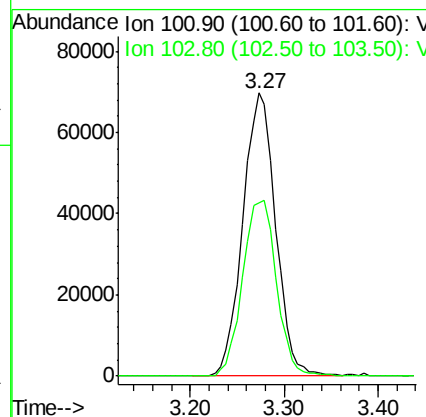
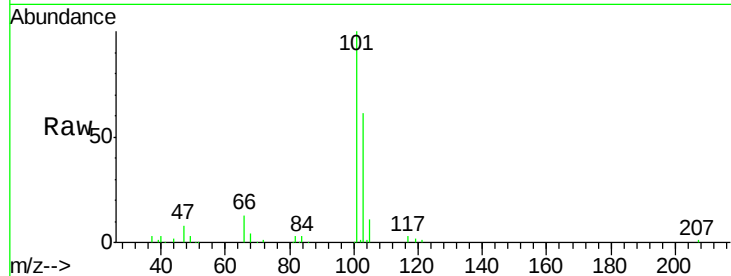
Trichlorofluoromethane  
Concen: 20.135 ug/l  
RT: 3.27 min Scan# 230  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1005SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 61.3  | 49.8  | 74.8  |

Manual Integrations  
APPROVED

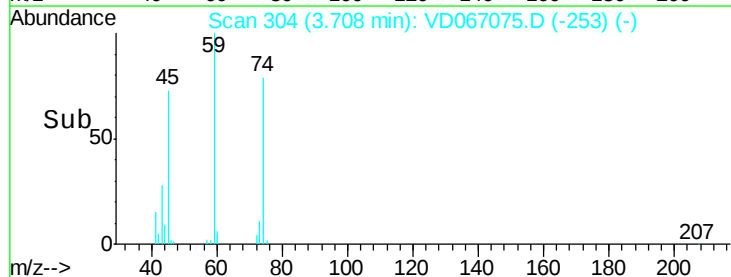
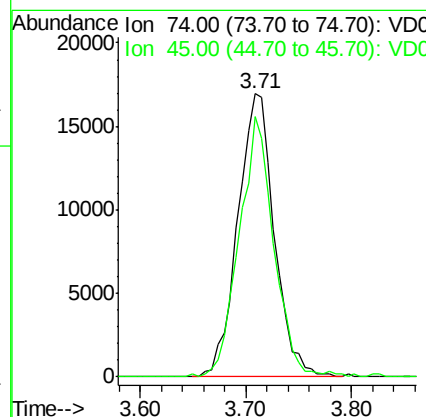
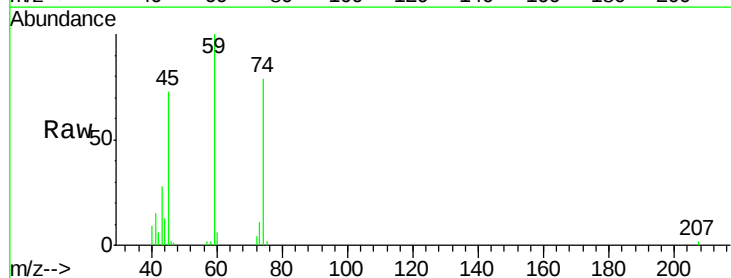
MMDadoda  
10/6/2020 12:55:09 PM

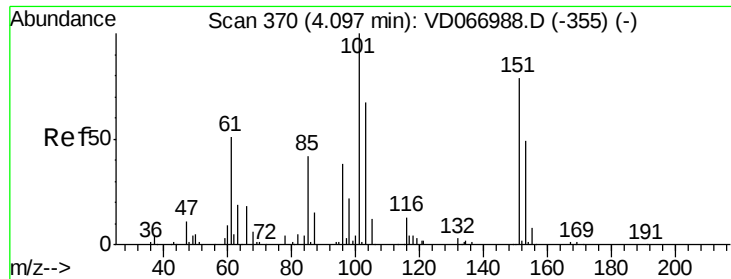


#8

Diethyl Ether  
Concen: 19.522 ug/l  
RT: 3.71 min Scan# 304  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 87.0  | 43.1  | 129.3 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.679 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

Instrument :

MSVOA\_D

ClientSampleId :

VD1005SBS01

Tot Ion:101 Resp: 97674

Ion Ratio Lower Upper

101 100

85 43.3 33.8 50.8

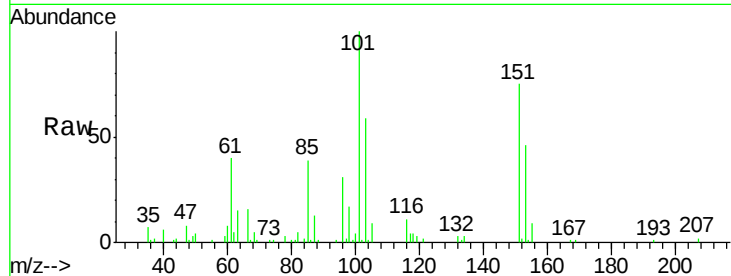
151 81.4 63.8 95.8

Manual Integrations

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MMDadoda

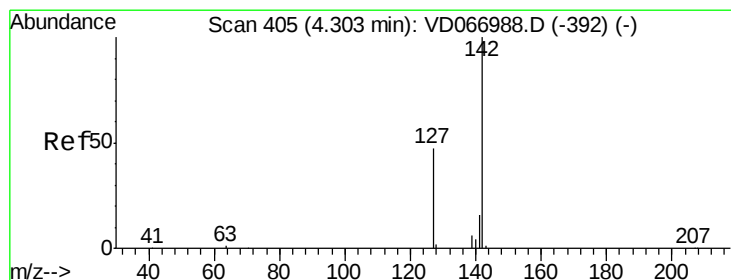
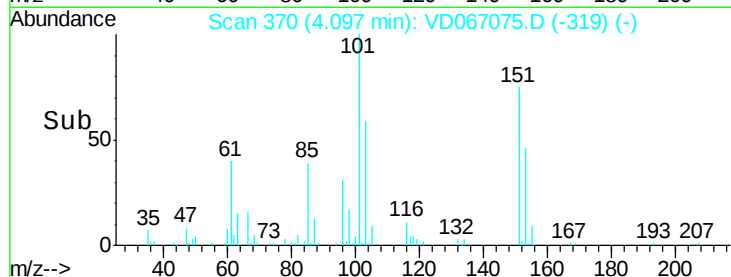
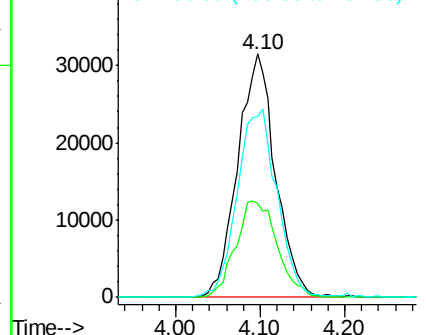
10/6/2020 12:55:09 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.154 ug/l

RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

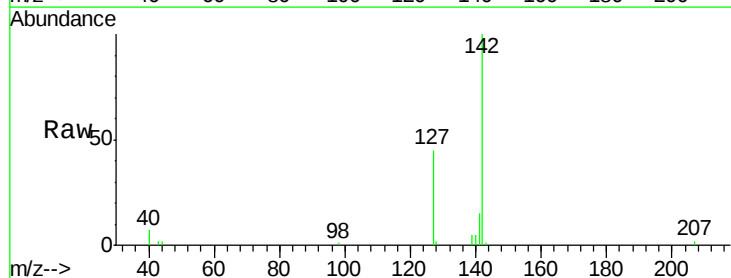
Tgt Ion:142 Resp: 87908

Ion Ratio Lower Upper

142 100

127 44.8 36.3 54.5

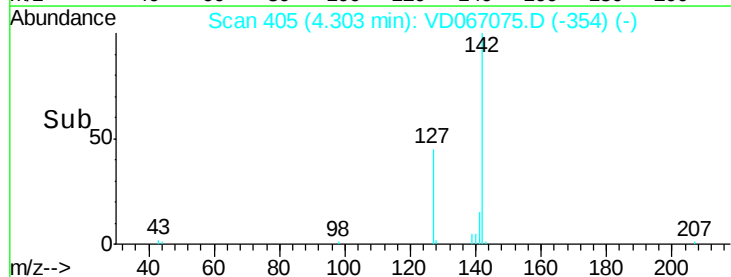
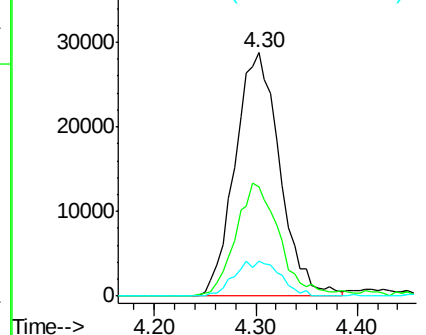
141 14.8 12.0 18.0

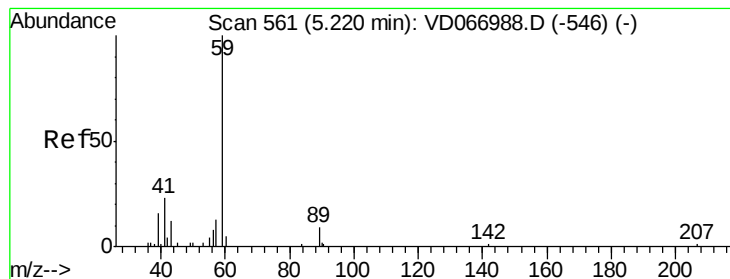


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

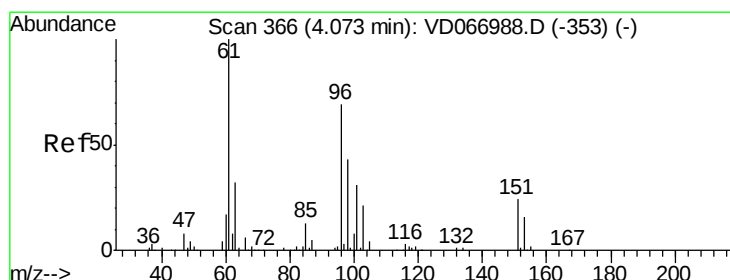
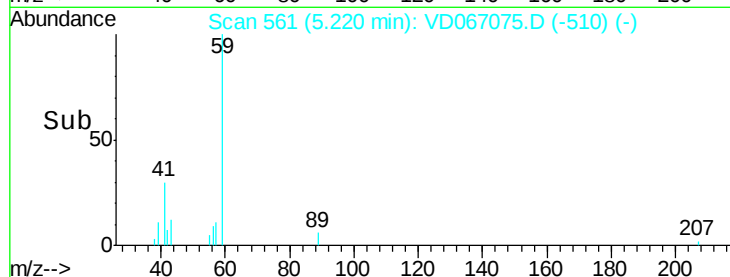
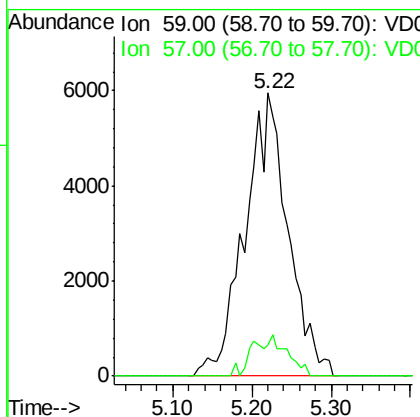
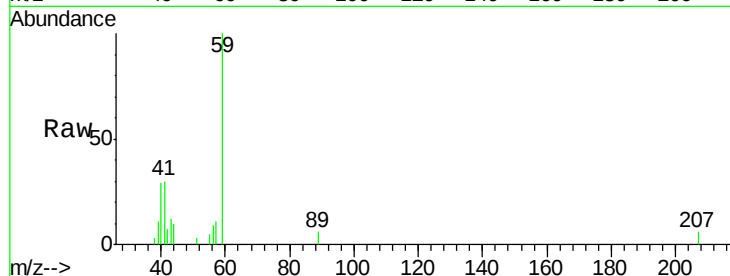
Tert butyl alcohol  
 Concen: 44.918 ug/l  
 RT: 5.22 min Scan# 561  
 Delta R.T. 0.00 min  
 Lab File: VD067075.D  
 Acq: 05 Oct 2020 11:24

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1005SBS01

Tot Ion: 59 Resp: 22542  
 Ion Ratio Lower Upper  
 59 100  
 57 4.7 8.2 12.4#

Manual Integrations  
 APPROVED

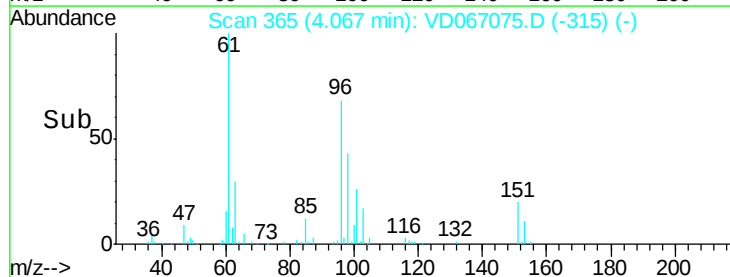
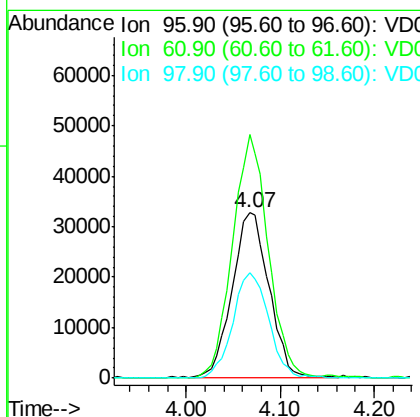
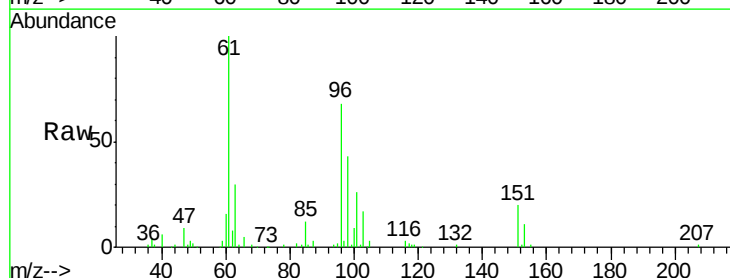
MMDadoda  
 10/6/2020 12:55:09 PM

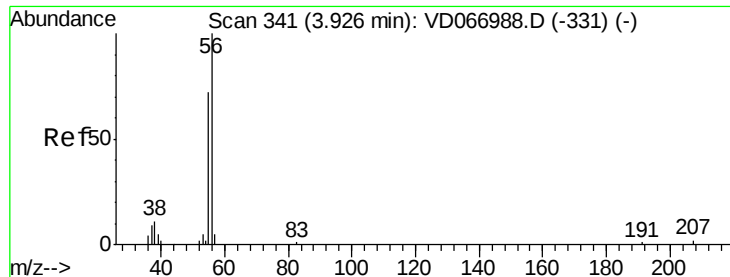


#12

1,1-Dichloroethene  
 Concen: 20.228 ug/l  
 RT: 4.07 min Scan# 366  
 Delta R.T. -0.01 min  
 Lab File: VD067075.D  
 Acq: 05 Oct 2020 11:24

Tgt Ion: 96 Resp: 89818  
 Ion Ratio Lower Upper  
 96 100  
 61 147.1 116.4 174.6  
 98 63.6 49.9 74.9





#13

Acrolein

Concen: 81.874 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

Instrument :

MSVOA\_D

ClientSampleId :

VD1005SBS01

Tot Ion: 56 Resp: 24873

Ion Ratio Lower Upper

56 100

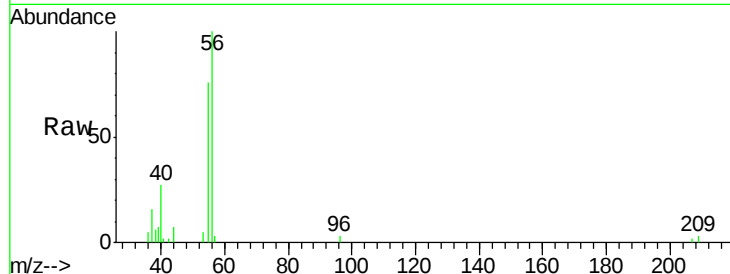
55 73.9 56.9 85.3

Manual Integrations

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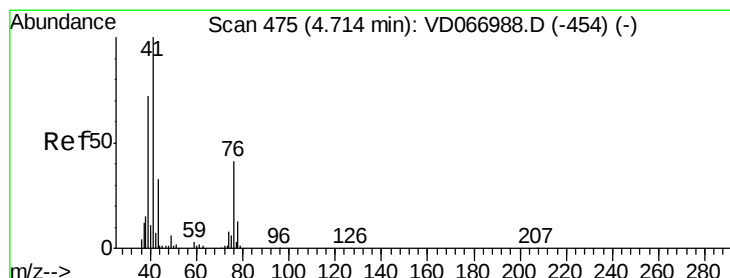
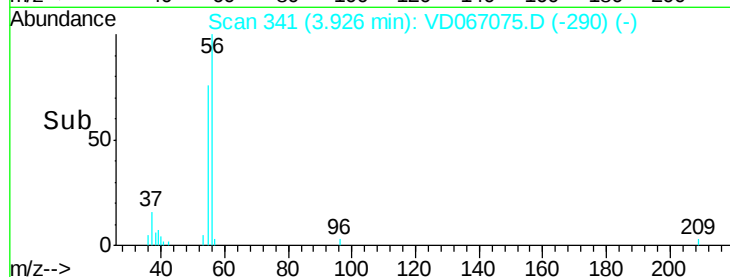
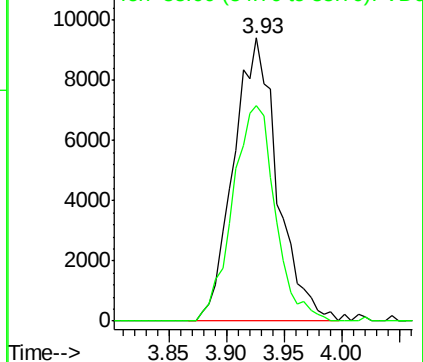
MMDadoda

10/6/2020 12:55:09 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.783 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

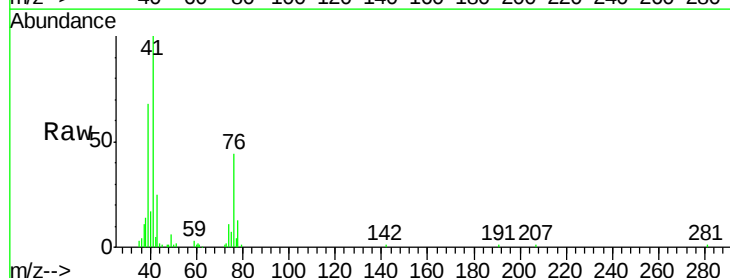
Tgt Ion: 41 Resp: 114116

Ion Ratio Lower Upper

41 100

39 68.0 56.2 84.2

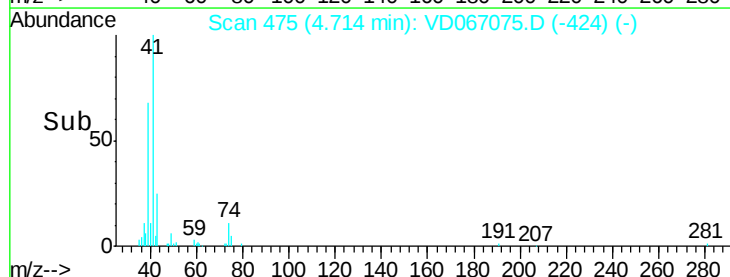
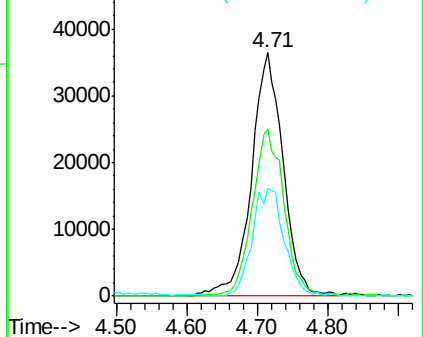
76 44.5 34.2 51.2

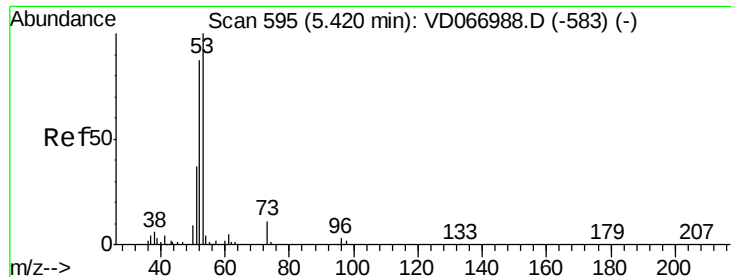


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 95.621 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

Instrument :

MSVOA\_D

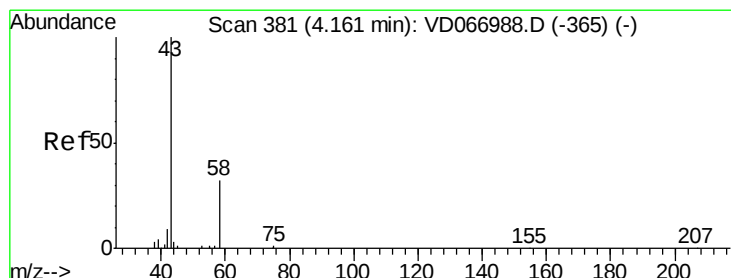
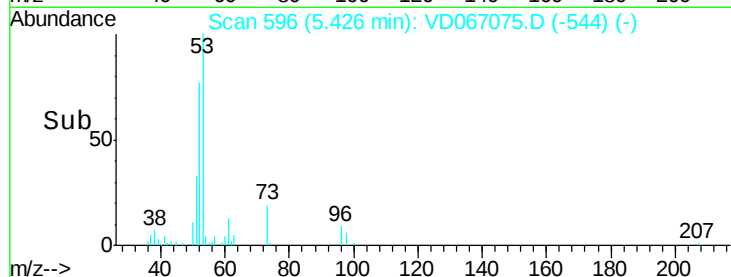
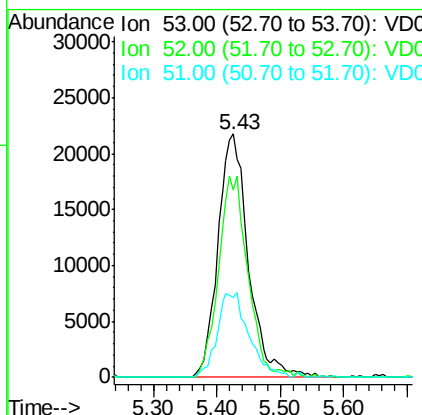
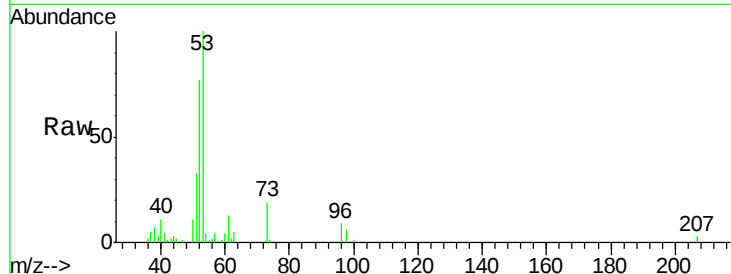
ClientSampleId :

VD1005SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 72931 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 78.1  | 67.3  | 100.9 |
| 51       | 36.1  | 30.2  | 45.2  |

Manual Integrations  
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MMDadoda  
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#16

Acetone

Concen: 95.791 ug/l

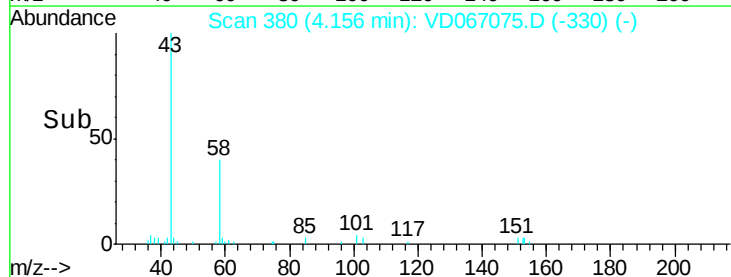
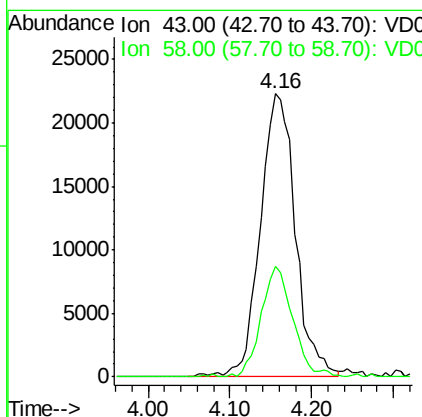
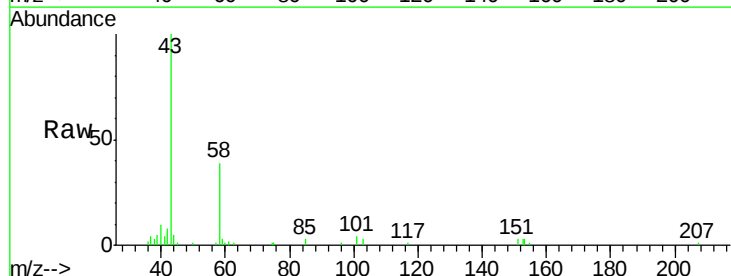
RT: 4.16 min Scan# 380

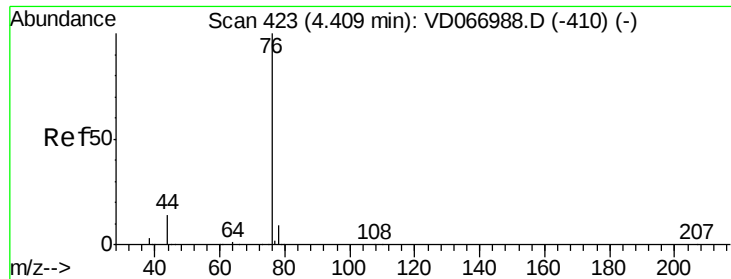
Delta R.T. -0.01 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 66343 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 39.3  | 25.9  | 38.9# |





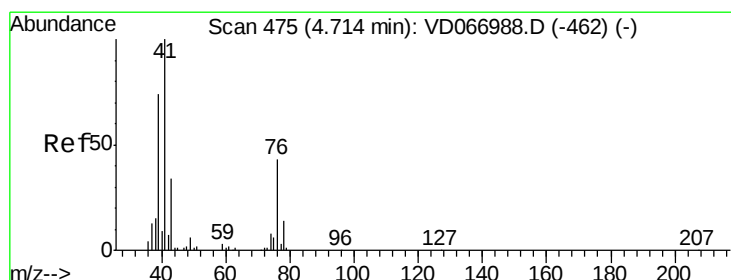
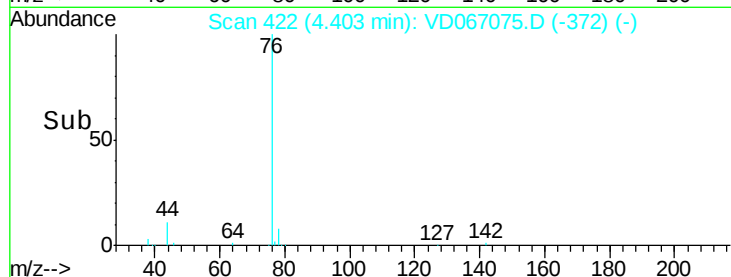
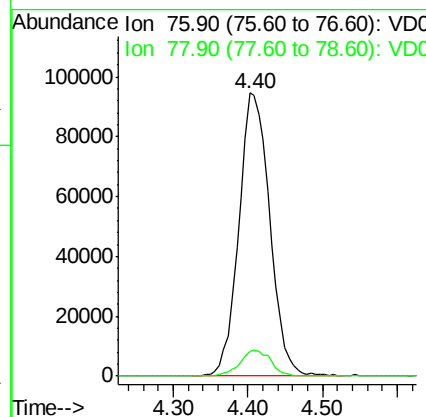
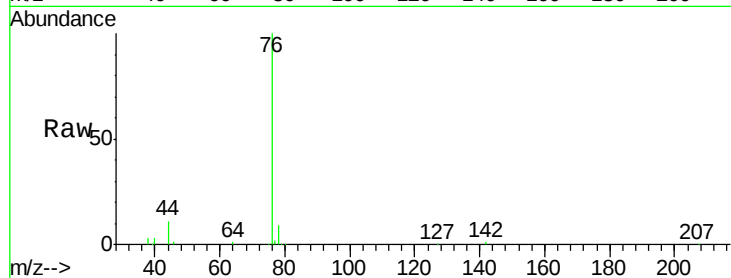
#17  
Carbon Disulfide  
Concen: 19.986 ug/l  
RT: 4.40 min Scan# 422  
Delta R.T. -0.01 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1005SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.0   | 7.5   | 11.3  |

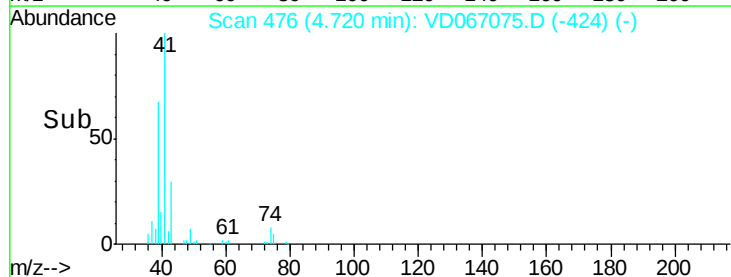
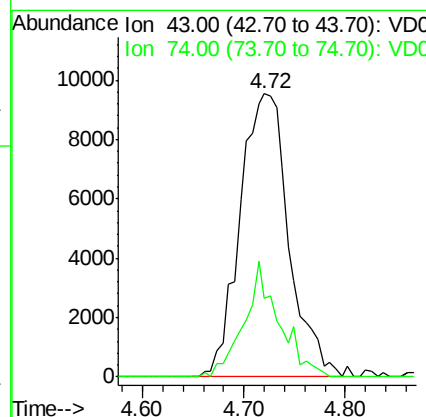
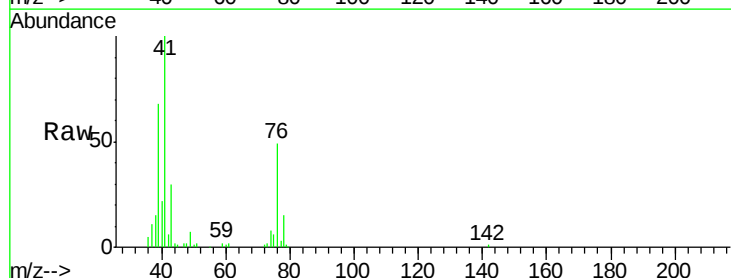
Manual Integrations  
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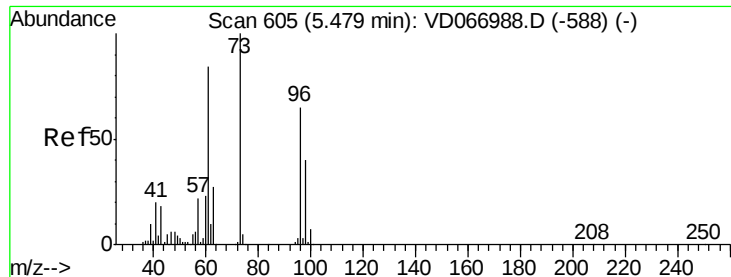
MMDadoda  
10/6/2020 12:55:09 PM



#18  
Methyl Acetate  
Concen: 18.393 ug/l  
RT: 4.72 min Scan# 476  
Delta R.T. 0.01 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 29.1  | 21.5  | 32.3  |





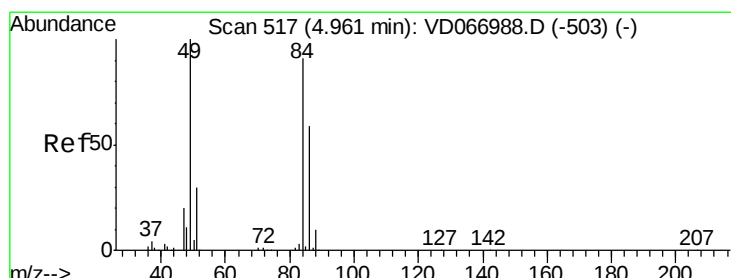
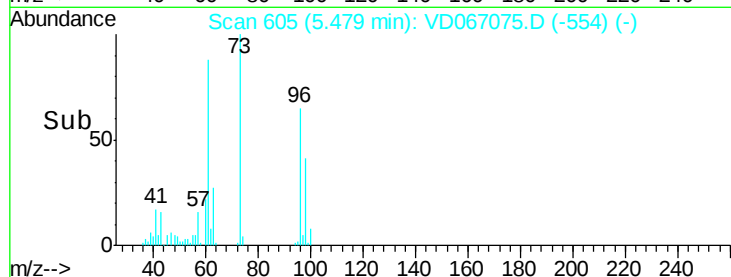
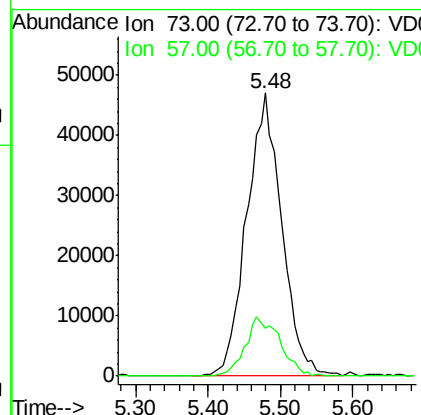
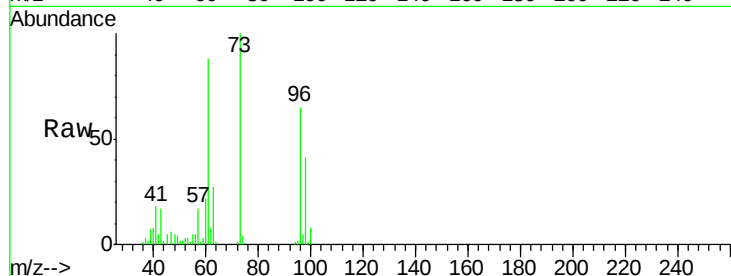
#19  
Methyl tert-butyl Ether  
Concen: 19.523 ug/l  
RT: 5.48 min Scan# 605  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1005SBS01

Tot Ion: 73 Resp: 158251  
Ion Ratio Lower Upper  
73 100  
57 17.1 17.4 26.0#

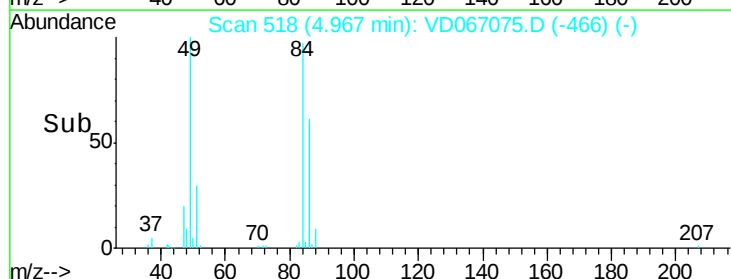
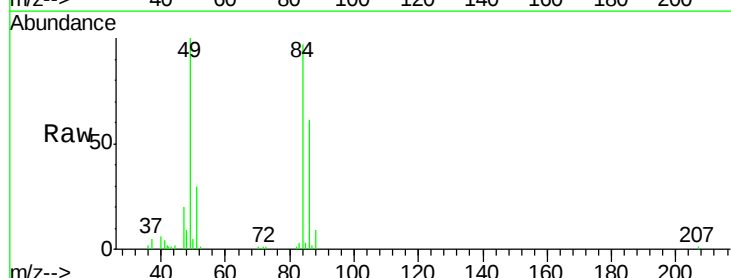
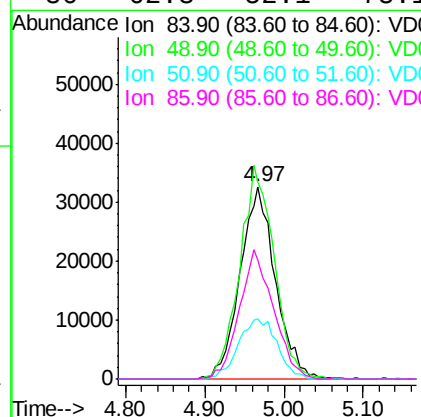
Manual Integrations  
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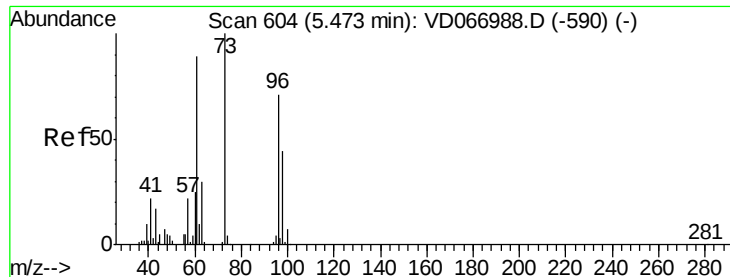
MMDadoda  
10/6/2020 12:55:09 PM



#20  
Methylene Chloride  
Concen: 15.436 ug/l  
RT: 4.97 min Scan# 518  
Delta R.T. 0.01 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

Tgt Ion: 84 Resp: 100580  
Ion Ratio Lower Upper  
84 100  
49 102.8 88.2 132.2  
51 31.3 26.6 39.8  
86 62.3 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 20.022 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

Instrument :

MSVOA\_D

ClientSampleId :

VD1005SBS01

Tot Ion: 96 Resp: 101175

Ion Ratio Lower Upper

96 100

61 118.9 99.6 149.4

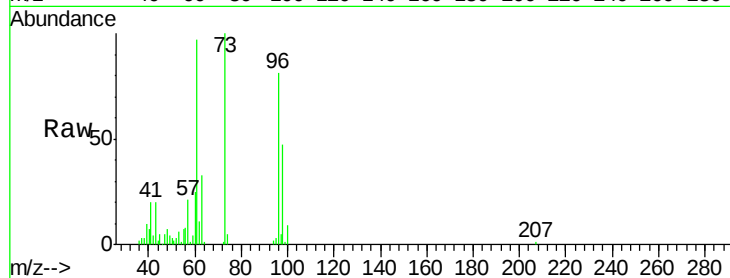
98 58.0 49.4 74.2

Manual Integrations

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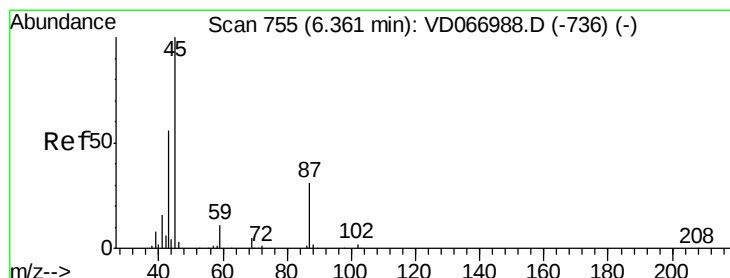
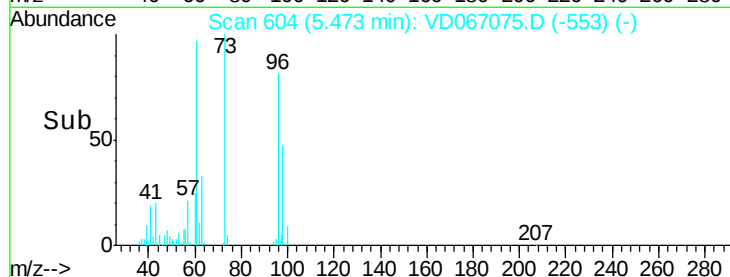
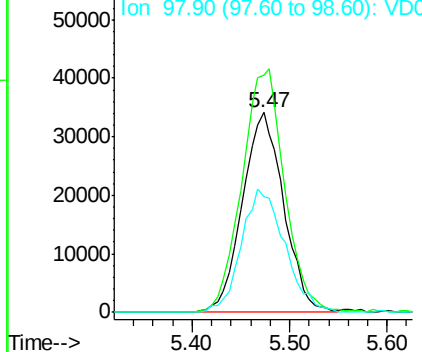


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.245 ug/l

RT: 6.37 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

Tgt Ion: 45 Resp: 213206

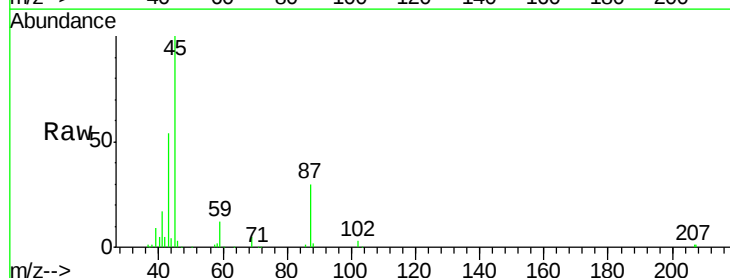
Ion Ratio Lower Upper

45 100

43 53.5 45.2 67.8

87 30.1 25.6 38.4

59 11.6 9.1 13.7



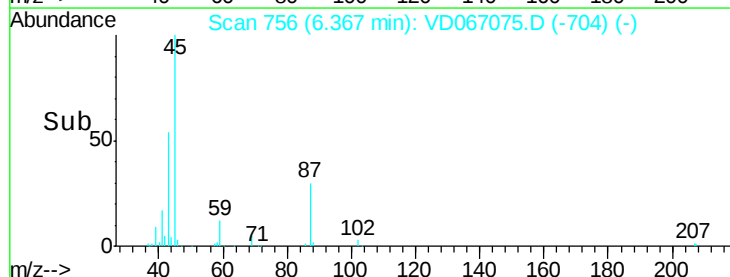
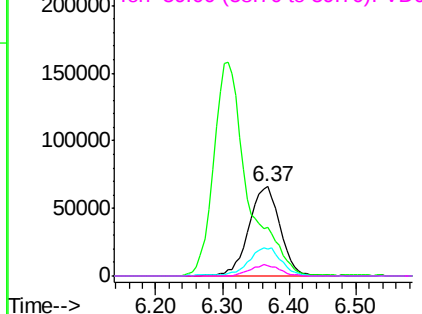
Abundance

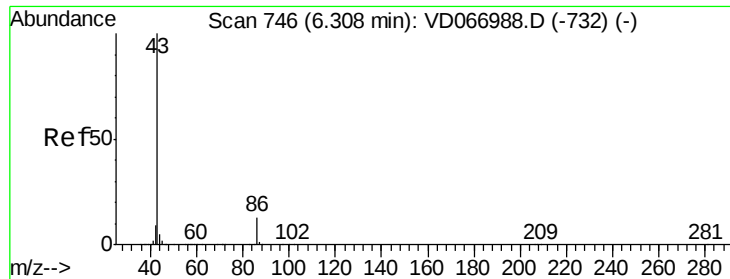
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 94.259 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

Instrument :

MSVOA\_D

ClientSampleId :

VD1005SBS01

Tot Ion: 43 Resp: 562498

Ion Ratio Lower Upper

43 100

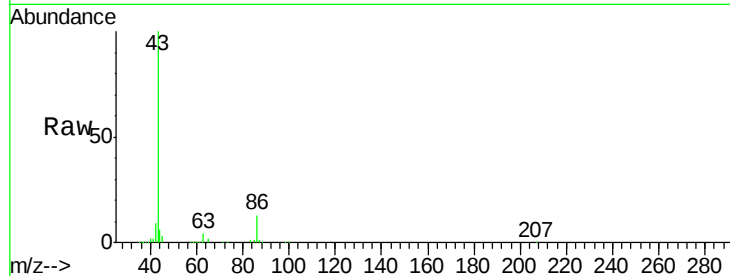
86 13.4 10.2 15.2

Manual Integrations

APPROVED

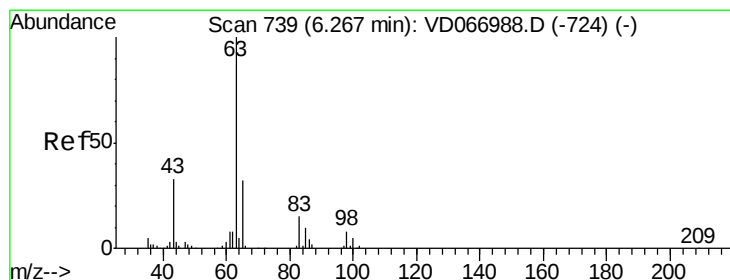
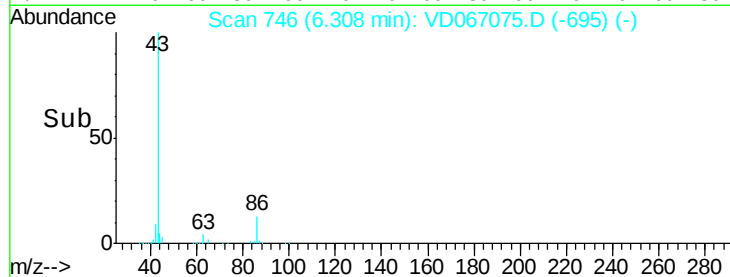
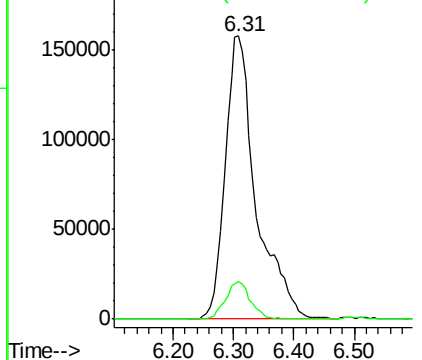
MMDadoda

10/6/2020 12:55:09 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.778 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

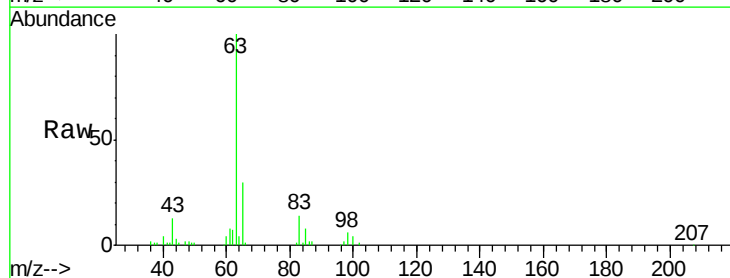
Tgt Ion: 63 Resp: 160738

Ion Ratio Lower Upper

63 100

98 5.8 4.2 12.6

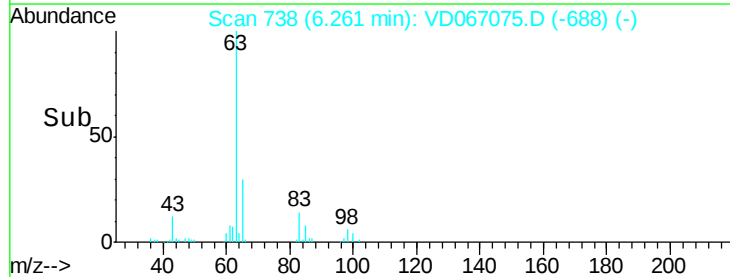
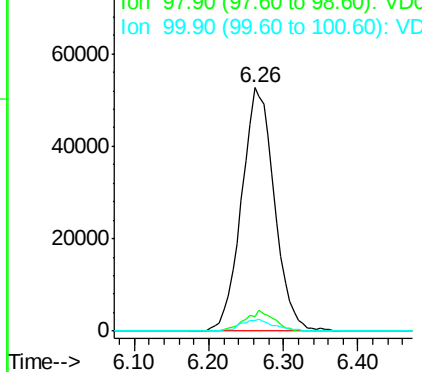
100 4.1 2.6 7.8

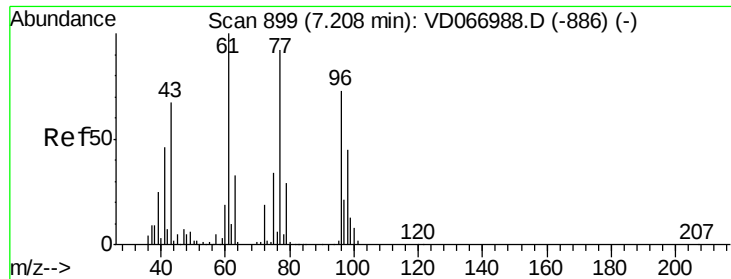


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





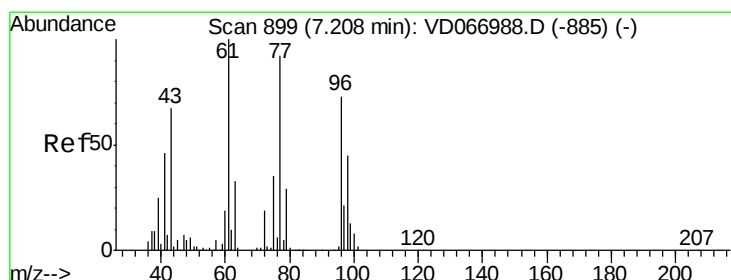
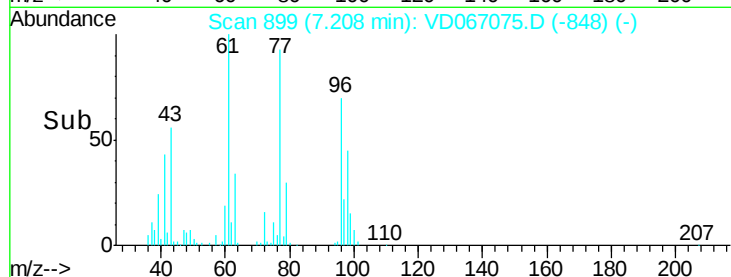
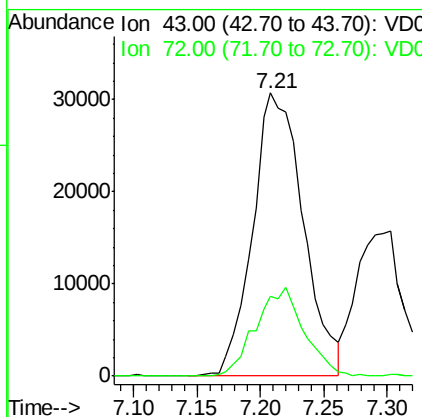
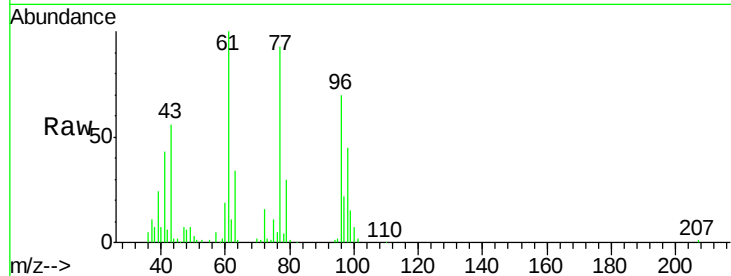
#25  
2-Butanone  
Concen: 87.246 ug/l  
RT: 7.21 min Scan# 899  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1005SBS01

Tot Ion: 43 Resp: 85668  
Ion Ratio Lower Upper  
43 100  
72 28.3 22.8 34.2

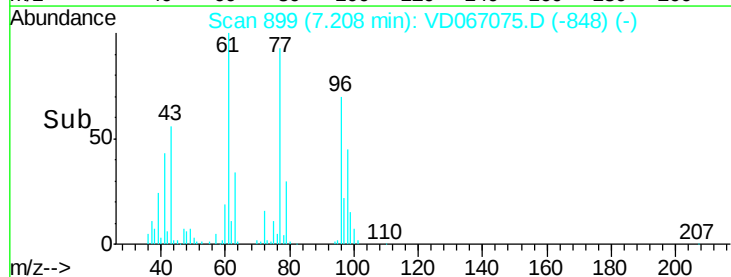
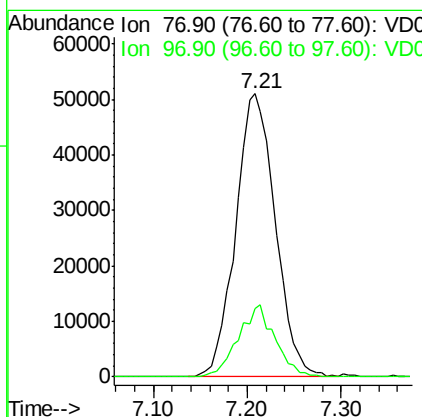
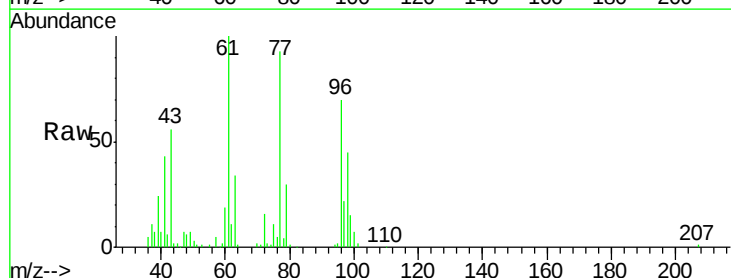
Manual Integrations  
APPROVED

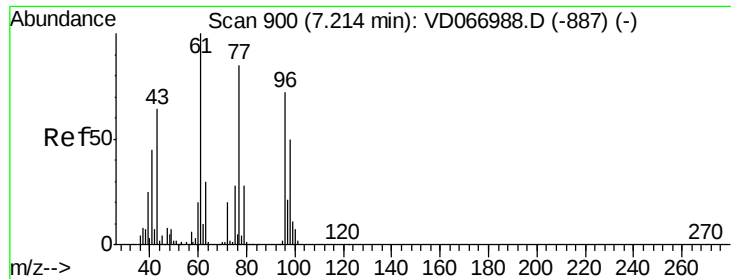
MMDadoda  
10/6/2020 12:55:09 PM



#26  
2,2-Dichloropropane  
Concen: 18.895 ug/l  
RT: 7.21 min Scan# 899  
Delta R.T. 0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

Tgt Ion: 77 Resp: 149148  
Ion Ratio Lower Upper  
77 100  
97 23.4 11.4 34.2





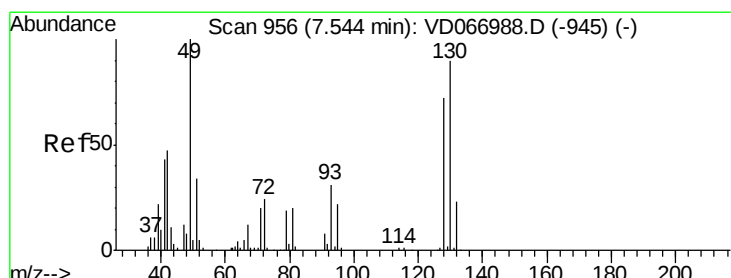
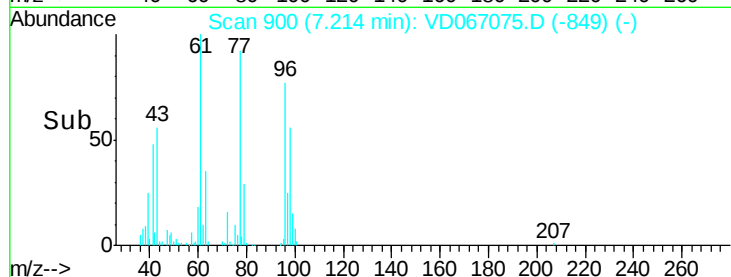
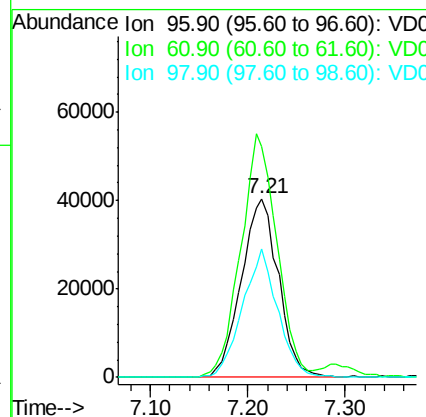
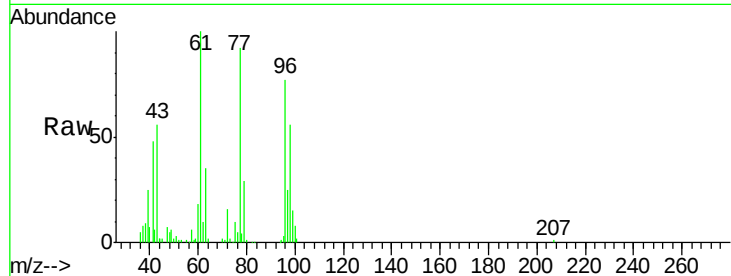
#27  
 cis-1,2-Dichloroethene  
 Concen: 19.905 ug/l  
 RT: 7.21 min Scan# 900  
 Delta R.T. -0.00 min  
 Lab File: VD067075.D  
 Acq: 05 Oct 2020 11:24

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1005SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 132.3 | 0.0   | 269.2 |
| 98      | 67.6  | 0.0   | 129.4 |

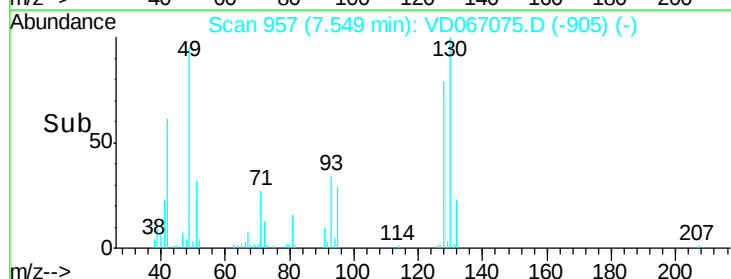
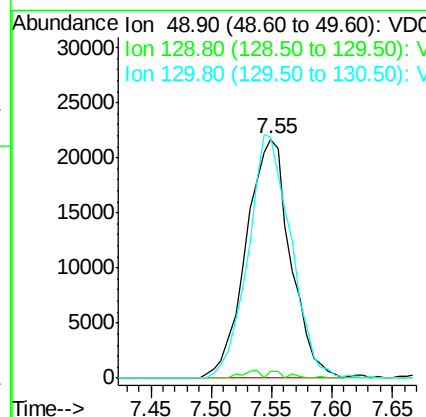
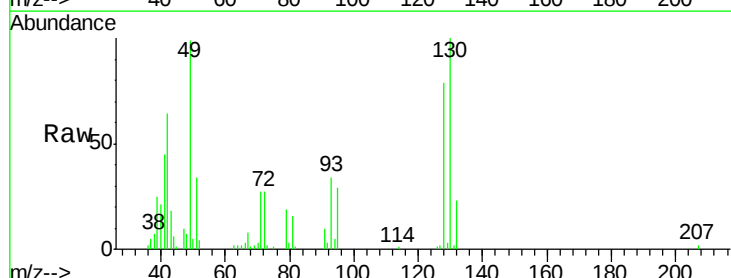
Manual Integrations  
 APPROVED

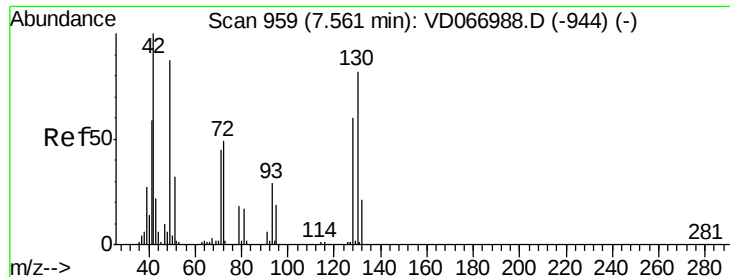
MMDadoda  
 10/6/2020 12:55:09 PM



#28  
 Bromochloromethane  
 Concen: 17.648 ug/l  
 RT: 7.55 min Scan# 957  
 Delta R.T. 0.01 min  
 Lab File: VD067075.D  
 Acq: 05 Oct 2020 11:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.2   | 0.0   | 4.6   |
| 130     | 98.3  | 74.1  | 111.1 |





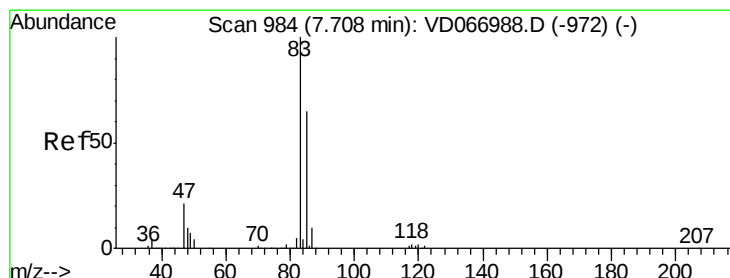
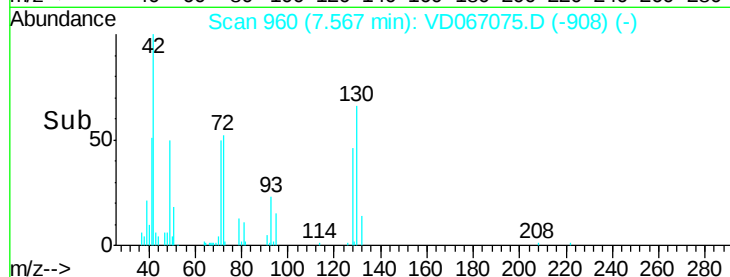
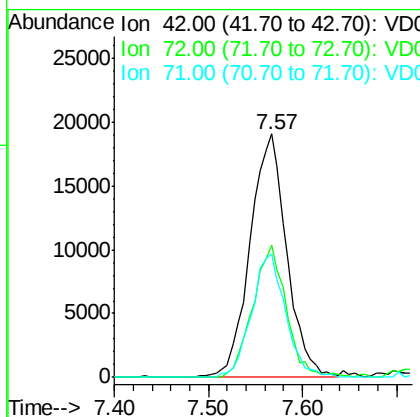
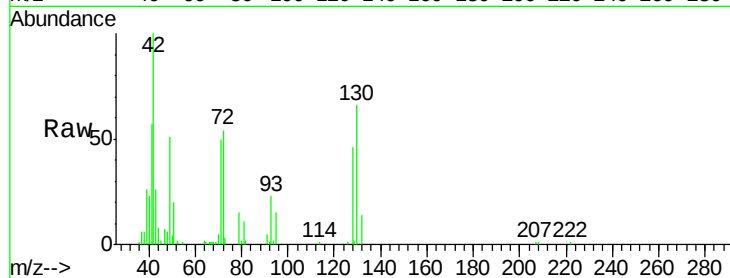
#29  
Tetrahydrofuran  
Concen: 91.329 ug/l  
RT: 7.57 min Scan# 960  
Delta R.T. 0.01 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1005SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 49.1  | 39.1  | 58.7  |
| 71      | 47.0  | 34.2  | 51.4  |

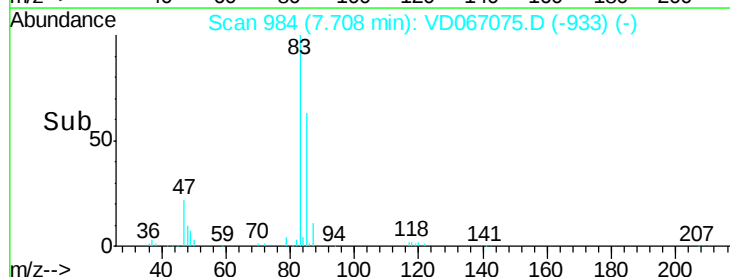
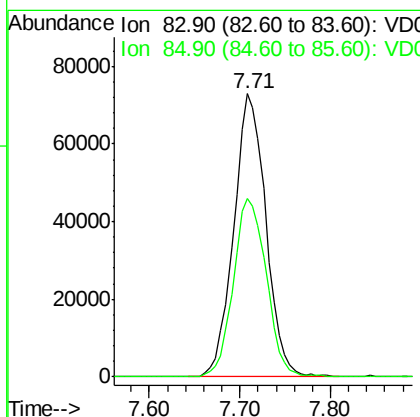
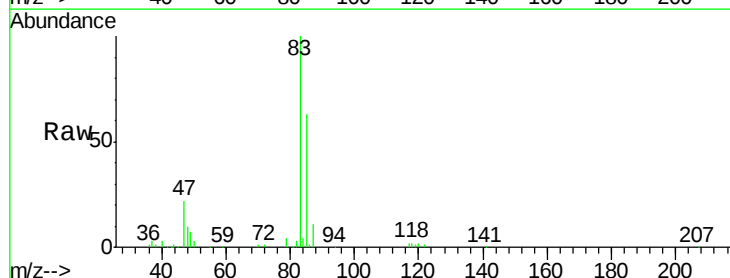
Manual Integrations  
APPROVED

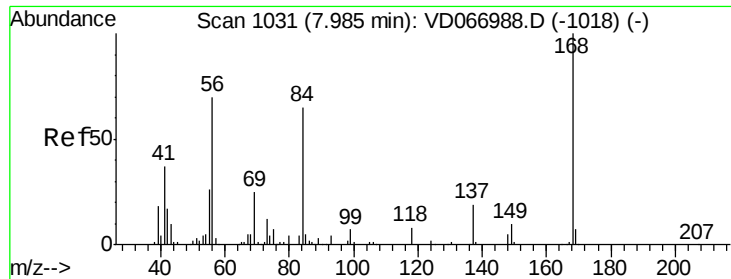
MMDadoda  
10/6/2020 12:55:09 PM



#30  
Chloroform  
Concen: 20.344 ug/l  
RT: 7.71 min Scan# 984  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.2  | 52.3  | 78.5  |





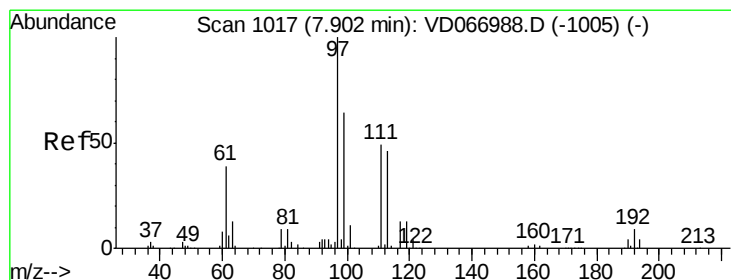
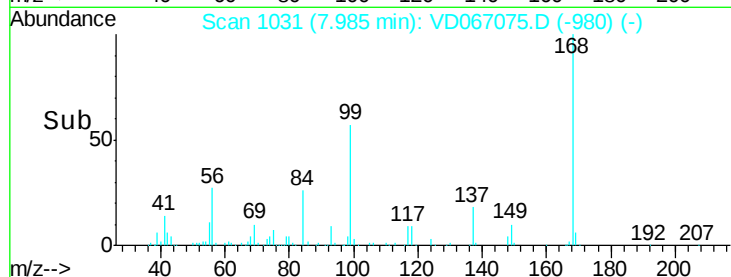
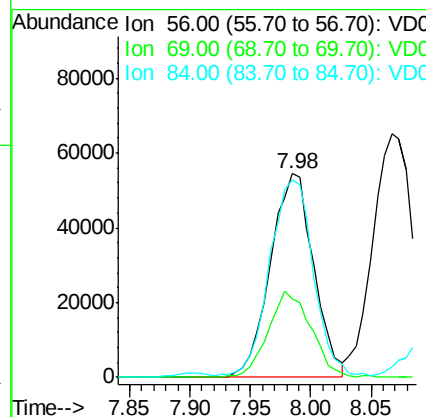
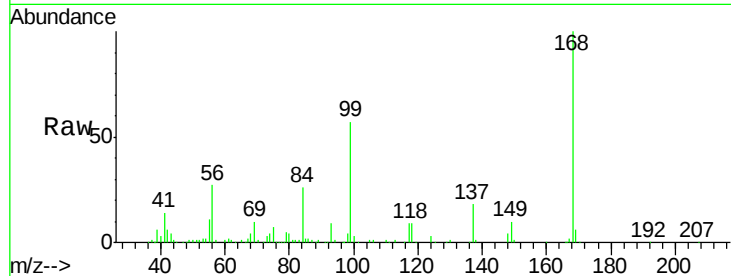
#31  
Cyclohexane  
Concen: 19.851 ug/l  
RT: 7.98 min Scan# 1031  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1005SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 38.3  | 29.0  | 43.6  |
| 84      | 94.3  | 74.2  | 111.2 |

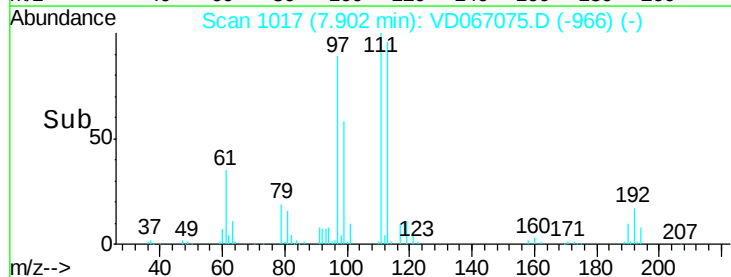
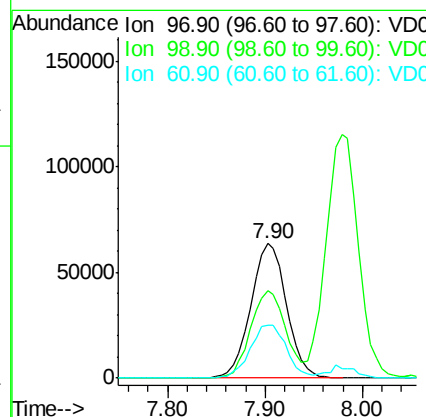
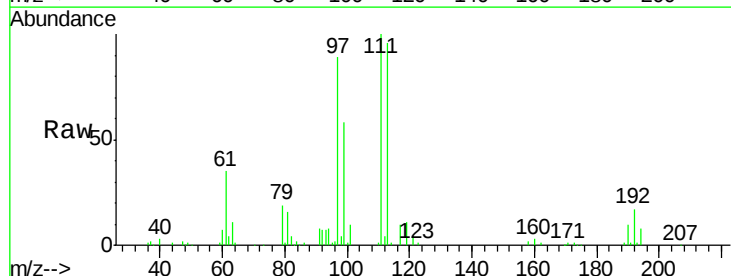
Manual Integrations  
APPROVED

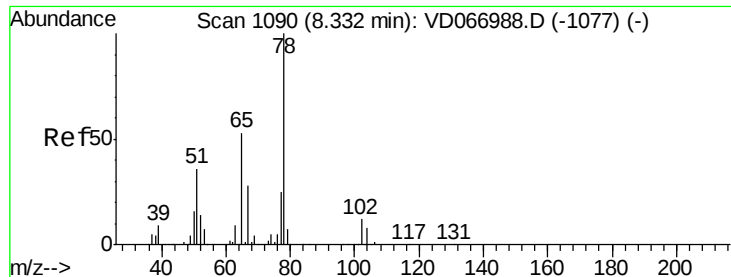
MMDadoda  
10/6/2020 12:55:09 PM



#32  
1,1,1-Trichloroethane  
Concen: 19.852 ug/l  
RT: 7.90 min Scan# 1017  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.9  | 52.6  | 78.8  |
| 61      | 40.2  | 32.8  | 49.2  |





#33

1,2-Dichloroethane-d4

Concen: 45.548 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

Instrument :

MSVOA\_D

ClientSampleId :

VD1005SBS01

Tot Ion: 65 Resp: 206654

Ion Ratio Lower Upper

65 100

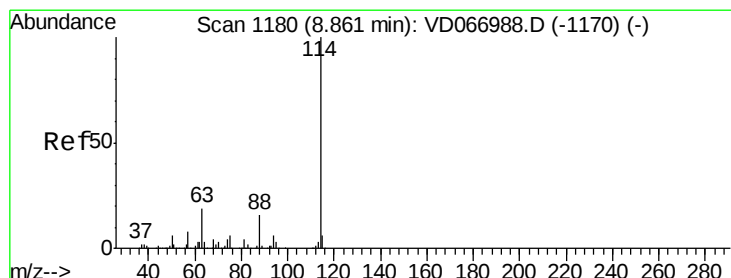
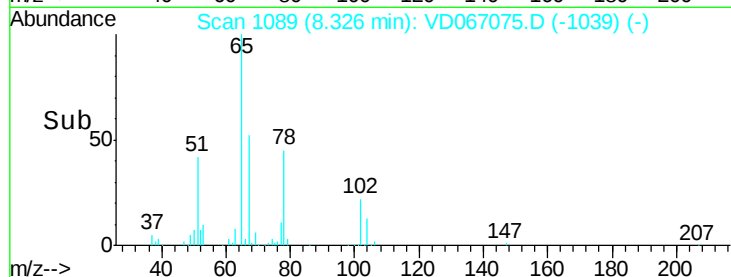
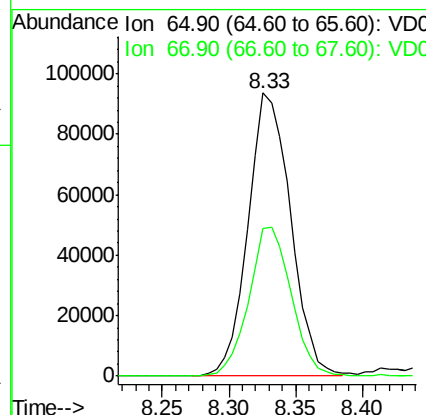
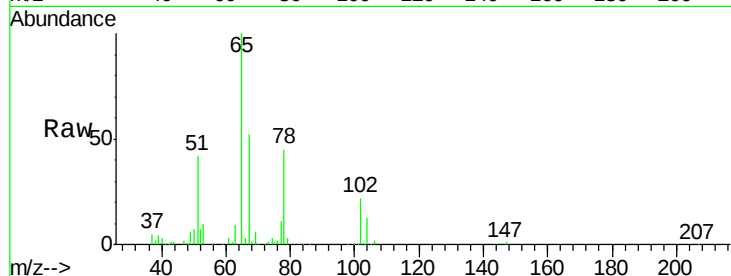
67 52.5 0.0 106.8

Manual Integrations

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MMDadoda

10/6/2020 12:55:09 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

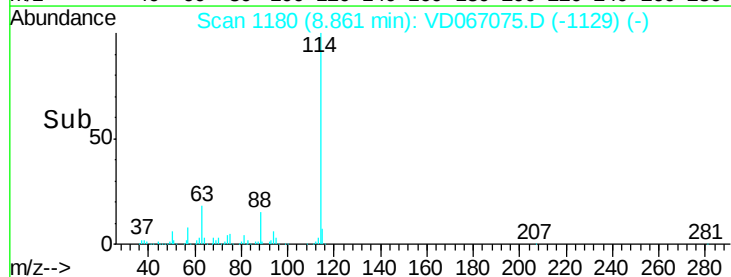
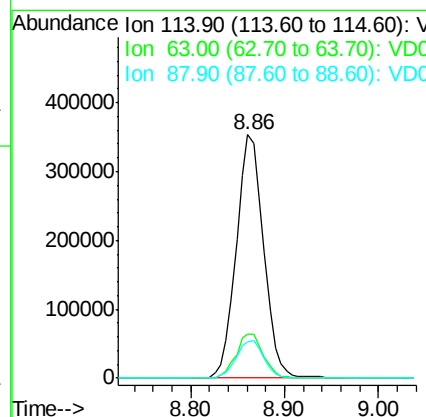
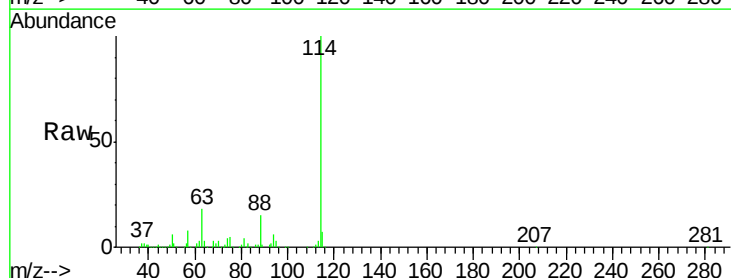
Tgt Ion: 114 Resp: 714108

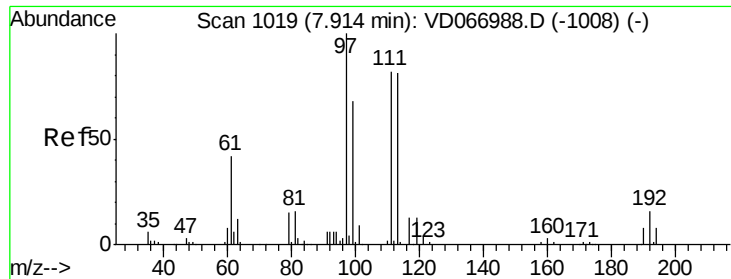
Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

88 14.8 0.0 31.2





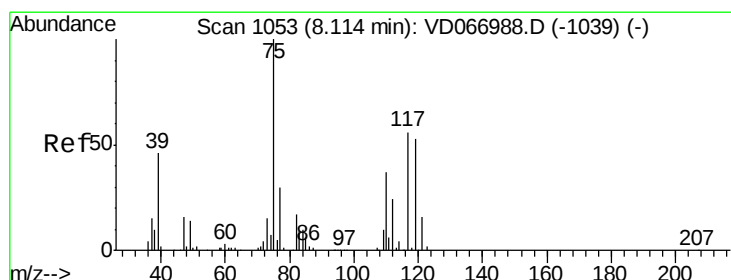
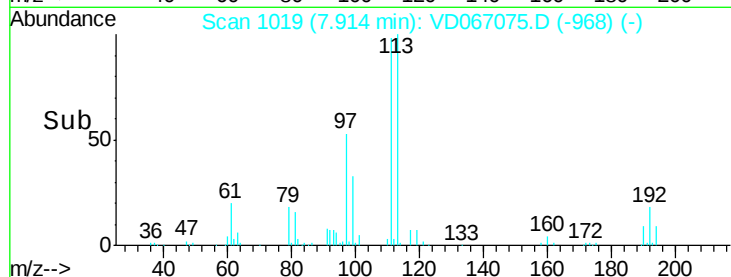
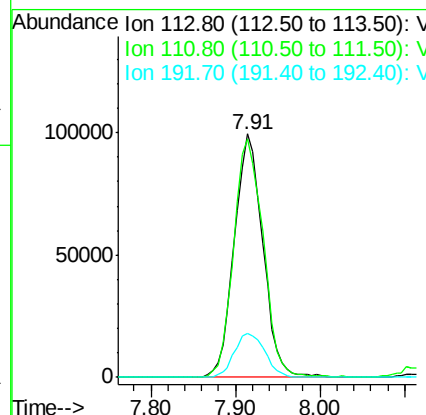
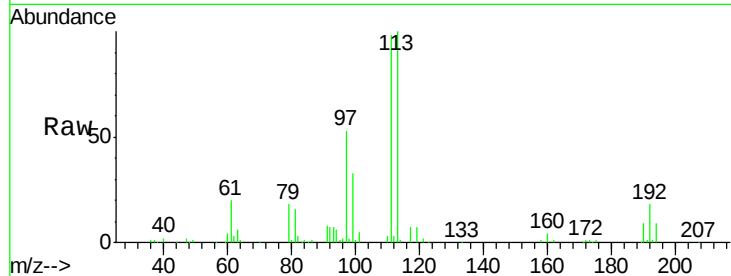
#35  
 Dibromofluoromethane  
 Concen: 49.593 ug/l  
 RT: 7.91 min Scan# 1019  
 Delta R.T. -0.00 min  
 Lab File: VD067075.D  
 Acq: 05 Oct 2020 11:24

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1005SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 231853 |       |       |
| 111     | 101.4 | 83.0   | 124.4 |       |
| 192     | 19.5  | 15.5   | 23.3  |       |

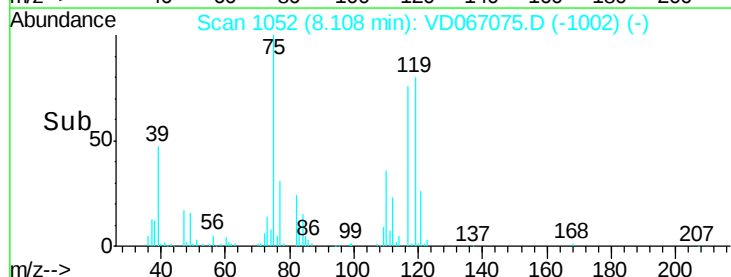
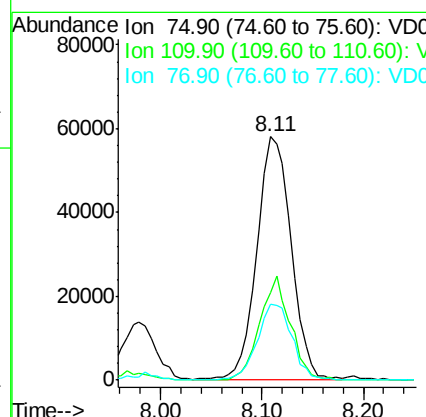
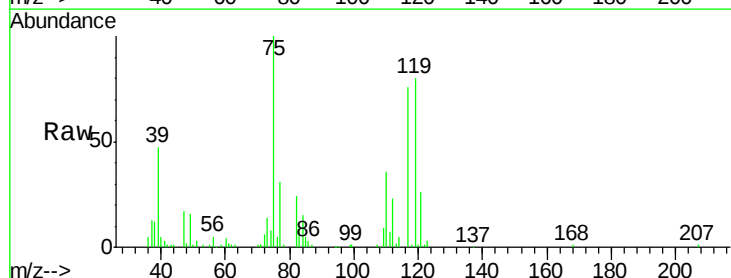
Manual Integrations  
 APPROVED

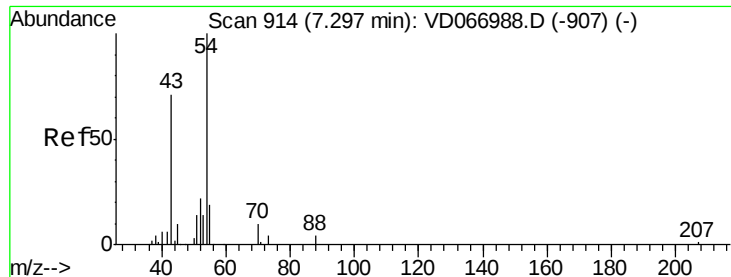
MMDadoda  
 10/6/2020 12:55:09 PM



#36  
 1,1-Dichloropropene  
 Concen: 20.413 ug/l  
 RT: 8.11 min Scan# 1052  
 Delta R.T. -0.01 min  
 Lab File: VD067075.D  
 Acq: 05 Oct 2020 11:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 135877 |       |       |
| 110     | 38.1  | 18.4   | 55.0  |       |
| 77      | 31.9  | 24.8   | 37.2  |       |





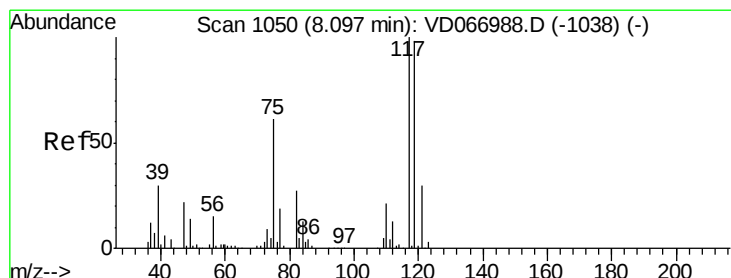
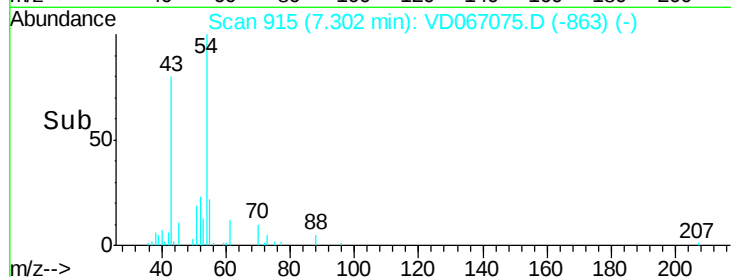
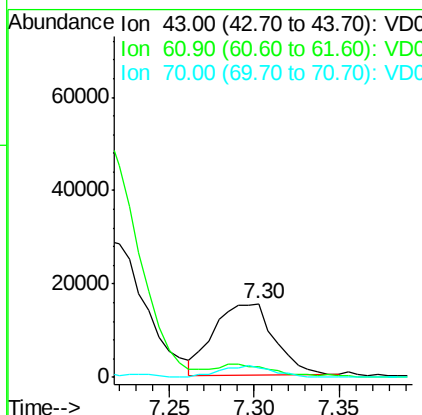
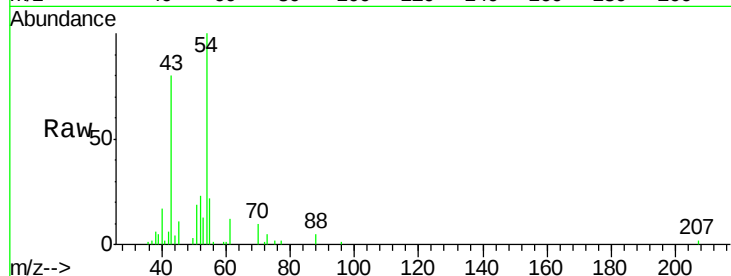
#37  
Ethyl Acetate  
Concen: 16.412 ug/l  
RT: 7.30 min Scan# 915  
Delta R.T. 0.01 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1005SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 19.8  | 12.5  | 18.7# |
| 70      | 14.4  | 9.4   | 14.0# |

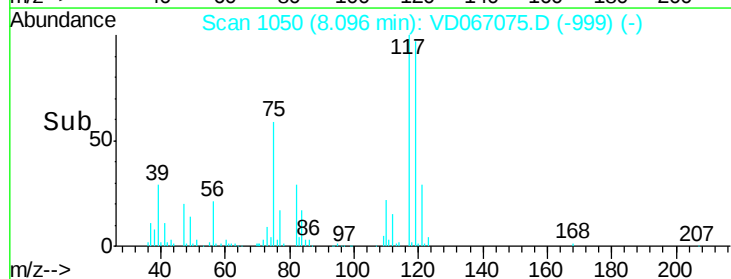
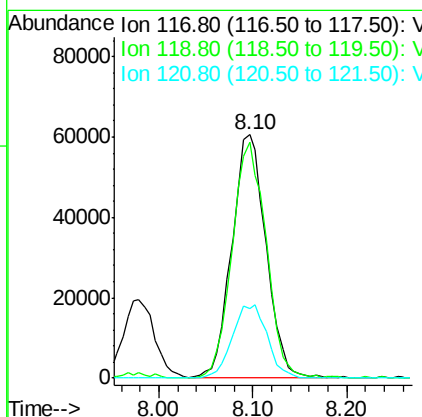
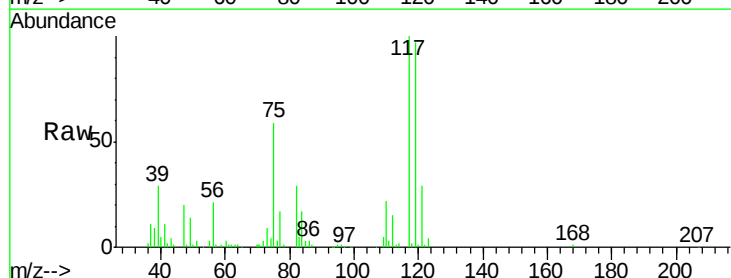
Manual Integrations  
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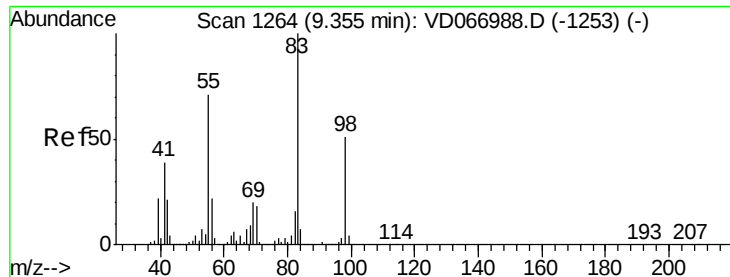
MMDadoda  
10/6/2020 12:55:09 PM



#38  
Carbon Tetrachloride  
Concen: 21.293 ug/l  
RT: 8.10 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.7  | 78.7  | 118.1 |
| 121     | 28.5  | 24.2  | 36.2  |





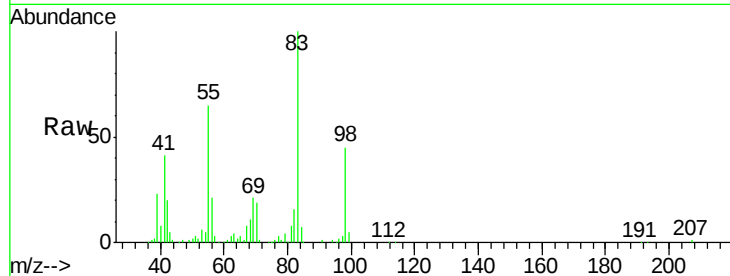
#39  
Methvlcvclohexane  
Concen: 21.204 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1005SBS01

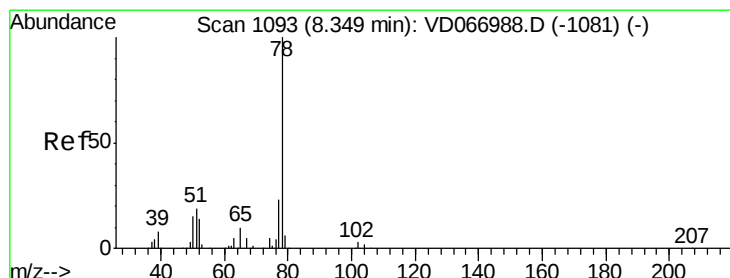
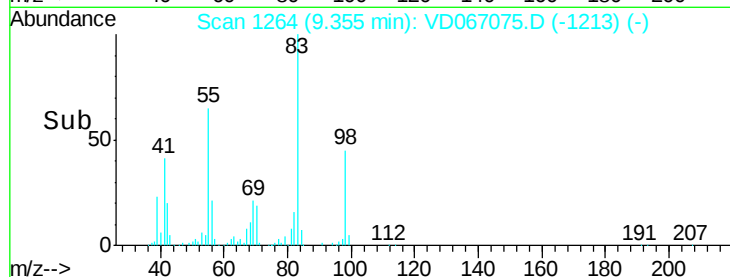
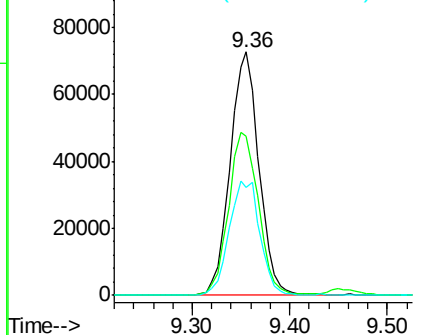
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 65.4  | 57.1  | 85.7  |
| 98      | 44.6  | 40.9  | 61.3  |

Manual Integrations  
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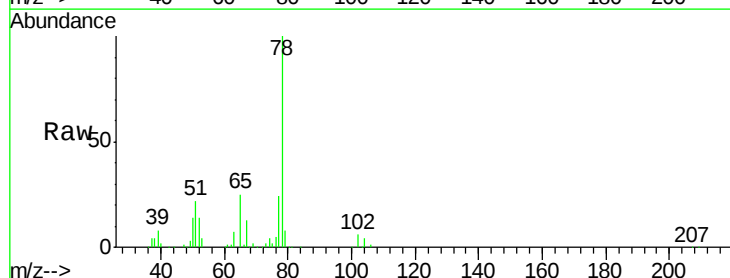


Abundance Ion 83.00 (82.70 to 83.70): VDC  
Ion 55.00 (54.70 to 55.70): VDC  
Ion 98.00 (97.70 to 98.70): VDC

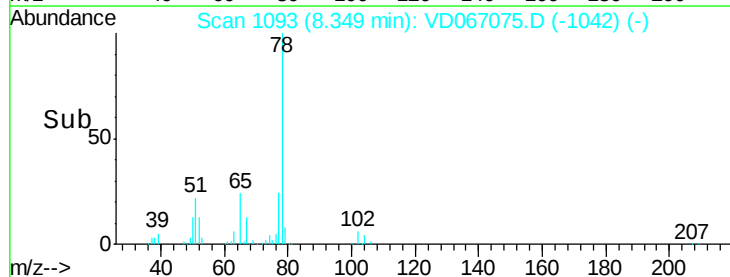
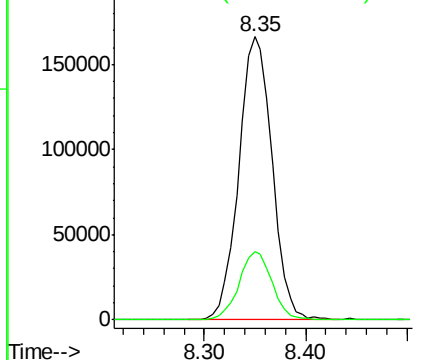


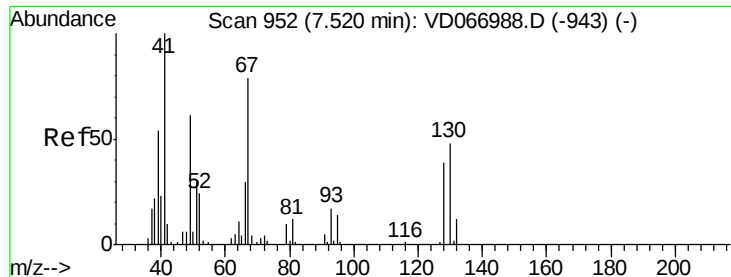
#40  
Benzene  
Concen: 20.453 ug/l  
RT: 8.35 min Scan# 1093  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.0  | 18.4  | 27.6  |



Abundance Ion 78.00 (77.70 to 78.70): VDC  
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 16.305 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.01 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

Instrument :

MSVOA\_D

ClientSampleId :

VD1005SBS01

Tot Ion: 41 Resp: 20312

Ion Ratio Lower Upper

41 100

39 61.8 0.0 0.0#

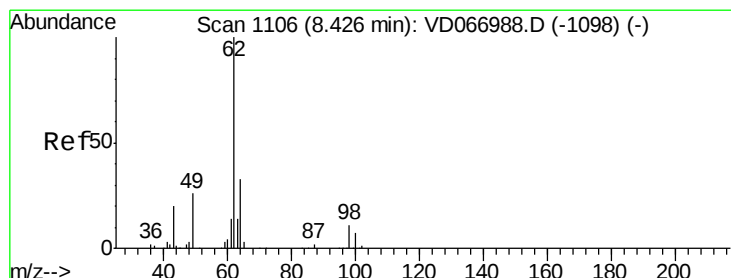
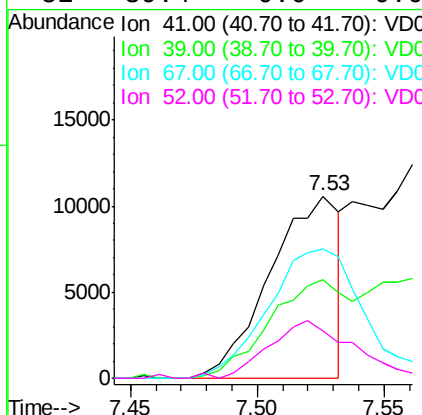
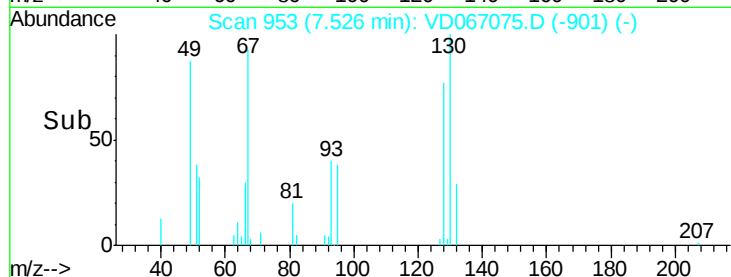
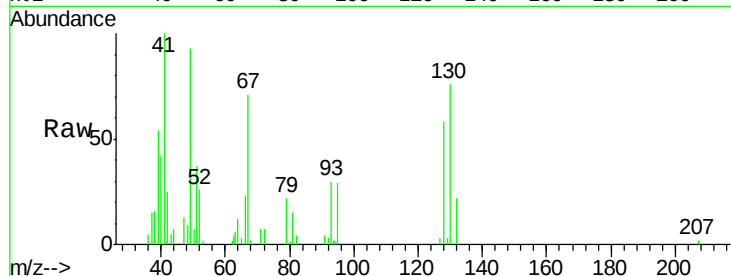
67 96.5 0.0 0.0#

52 39.4 0.0 0.0#

Manual Integrations  
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#42

1,2-Dichloroethane

Concen: 19.747 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD067075.D

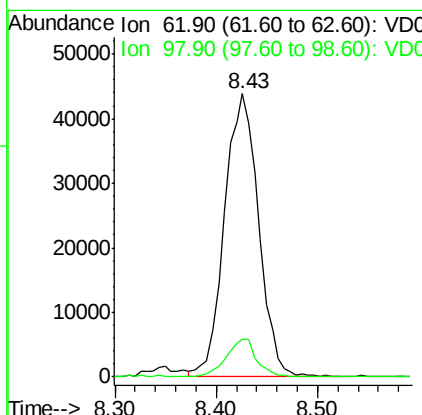
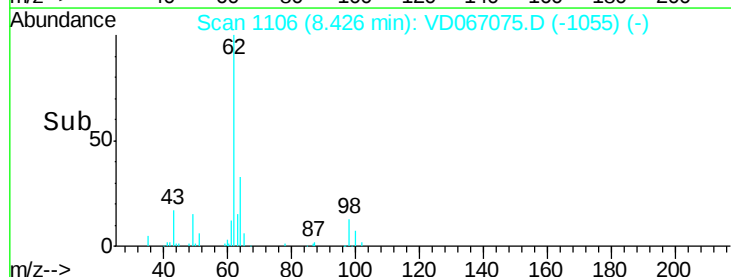
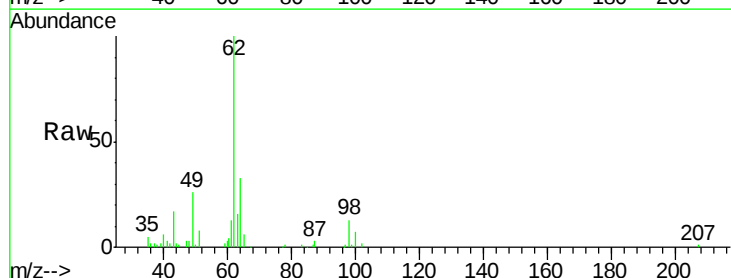
Acq: 05 Oct 2020 11:24

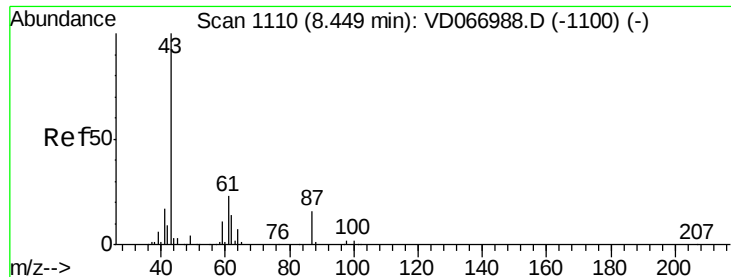
Tgt Ion: 62 Resp: 102016

Ion Ratio Lower Upper

62 100

98 11.9 0.0 22.6





#43

Isopropyl Acetate

Concen: 18.890 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

Instrument :

MSVOA\_D

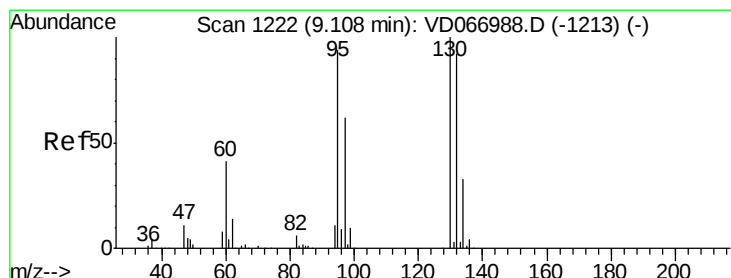
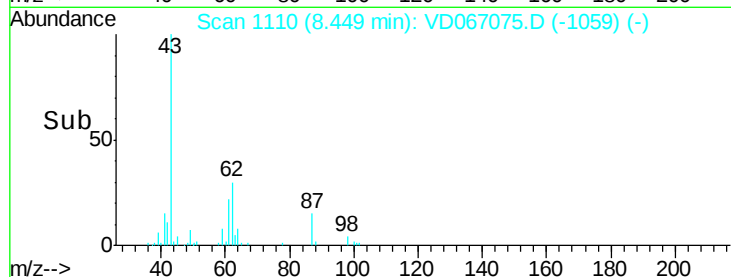
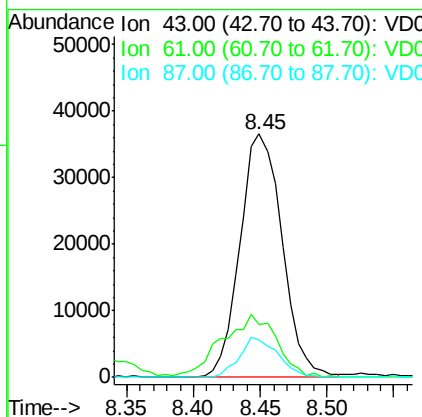
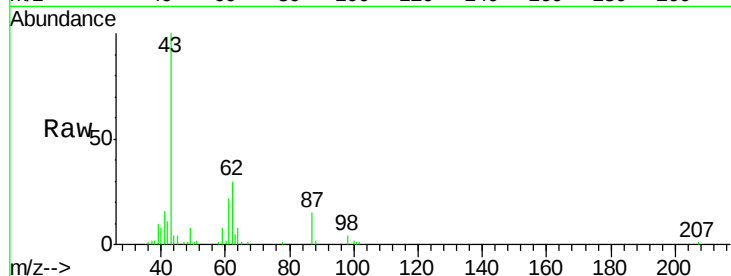
ClientSampleId :

VD1005SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 80245 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 33.5  | 27.1  | 40.7  |
| 87       | 15.0  | 12.3  | 18.5  |

Manual Integrations  
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10/6/2020 12:55:09 PM



#44

Trichloroethene

Concen: 21.078 ug/l

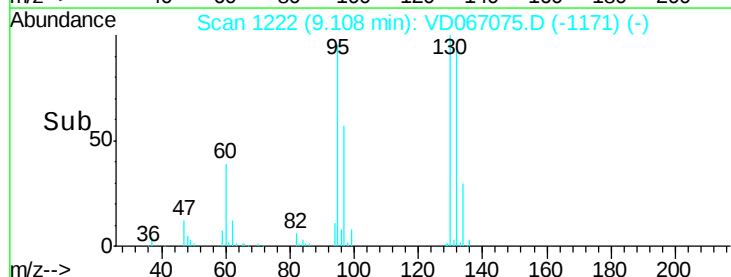
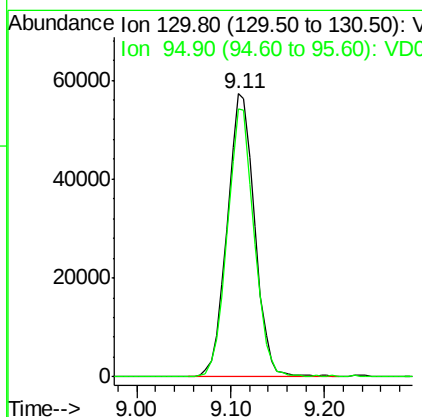
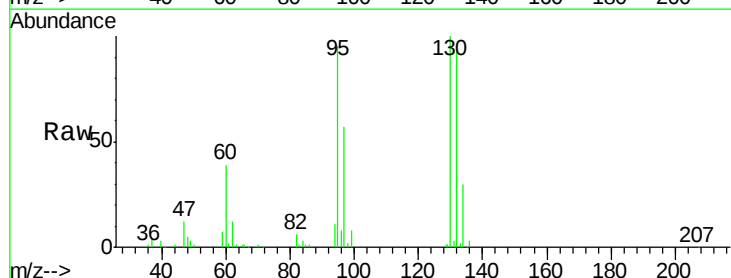
RT: 9.11 min Scan# 1222

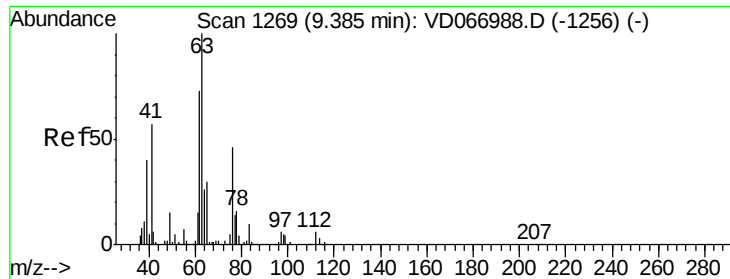
Delta R.T. -0.00 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 116364 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 94.8  | 0.0   | 187.8  |





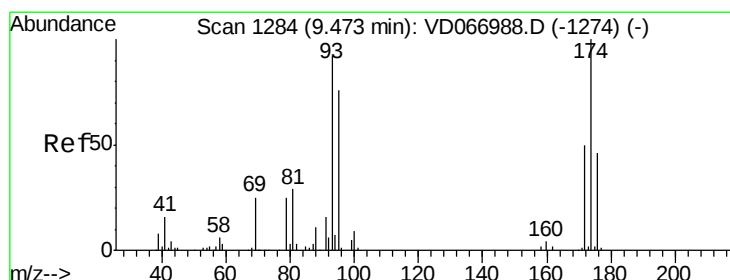
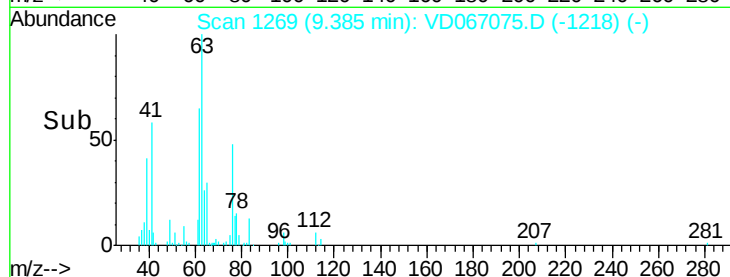
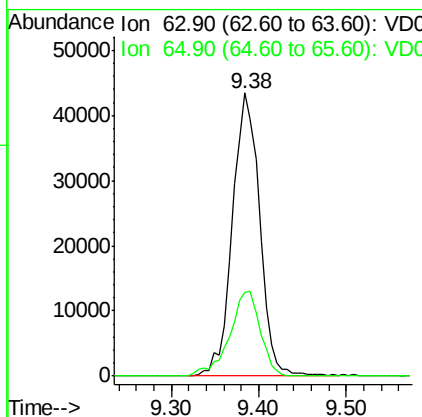
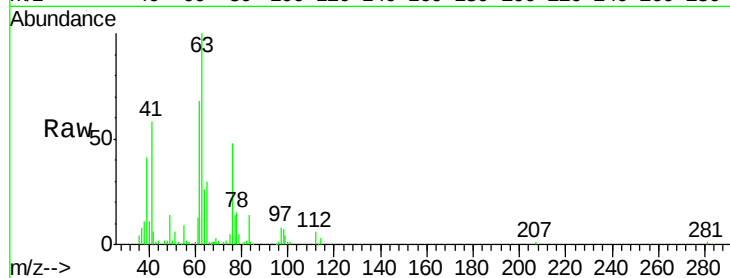
#45  
 1,2-Dichloropropane  
 Concen: 21.062 ug/l  
 RT: 9.38 min Scan# 1269  
 Delta R.T. -0.00 min  
 Lab File: VD067075.D  
 Acq: 05 Oct 2020 11:24

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1005SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 29.7  | 23.7  | 35.5  |

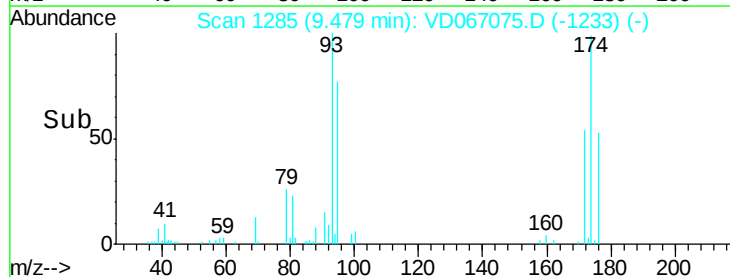
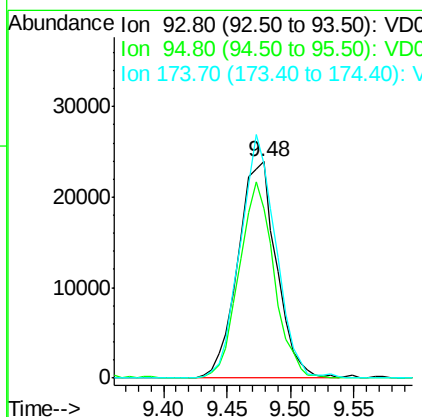
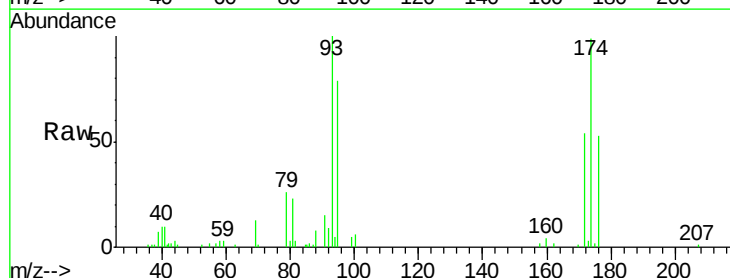
Manual Integrations  
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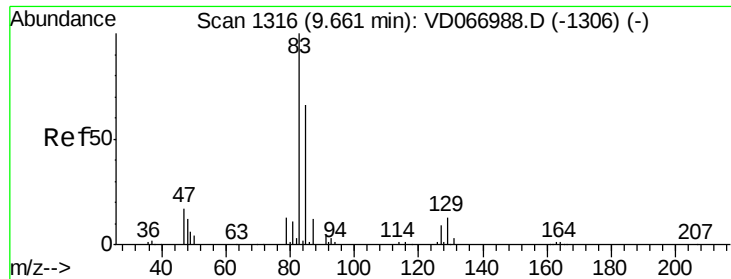
MMDadoda  
 10/6/2020 12:55:09 PM



#46  
 Dibromomethane  
 Concen: 20.302 ug/l  
 RT: 9.48 min Scan# 1285  
 Delta R.T. 0.01 min  
 Lab File: VD067075.D  
 Acq: 05 Oct 2020 11:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 82.0  | 64.7  | 97.1  |
| 174     | 104.1 | 81.4  | 122.2 |





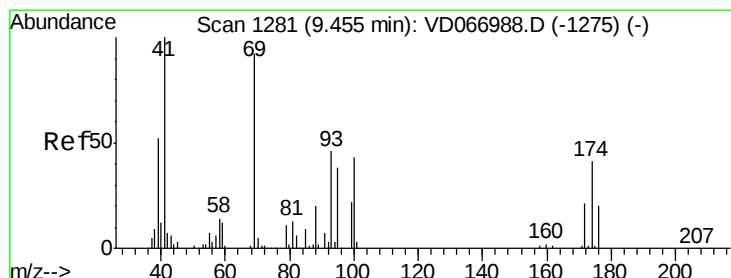
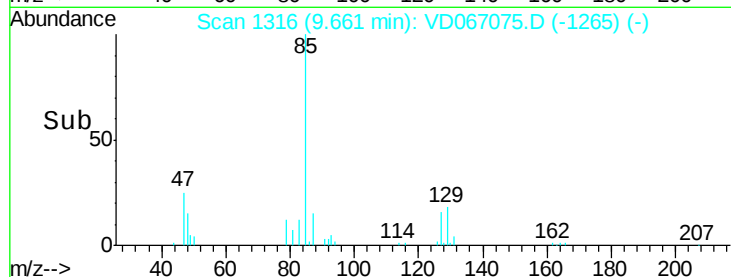
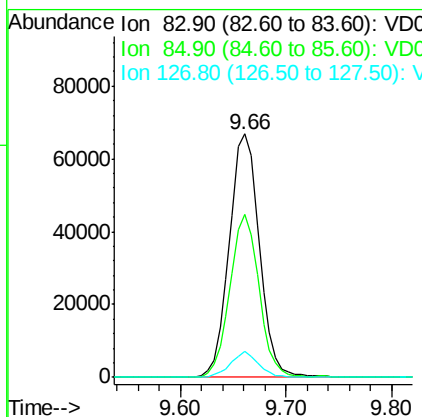
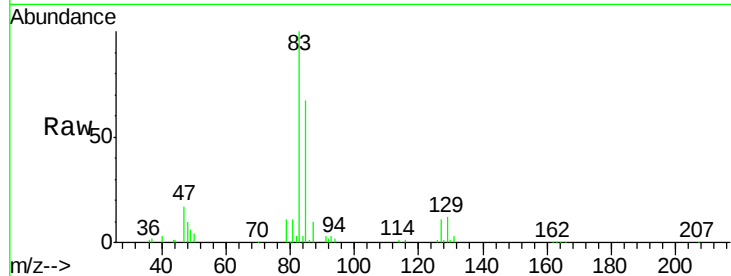
#47  
Bromodichloromethane  
Concen: 20.272 ug/l  
RT: 9.66 min Scan# 1316  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1005SBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 131567 |       |       |
| 85      | 66.9  | 52.9   | 79.3  |       |
| 127     | 10.5  | 7.3    | 10.9  |       |

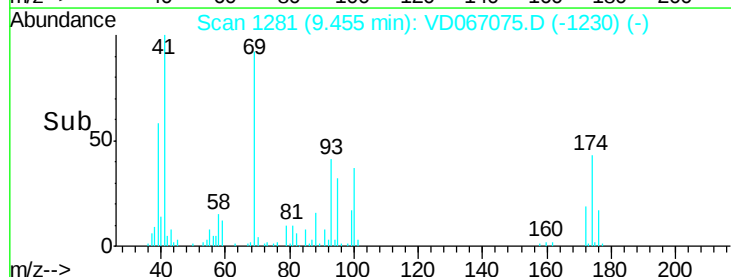
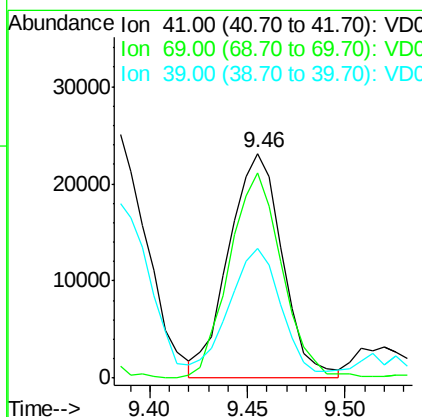
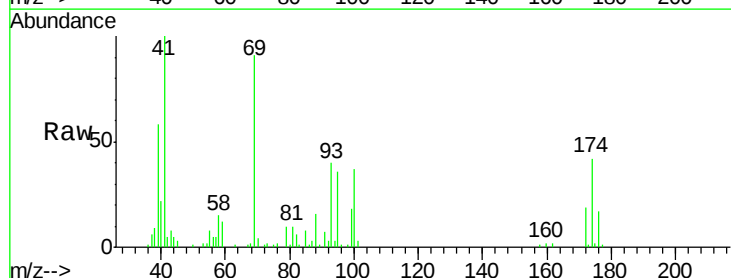
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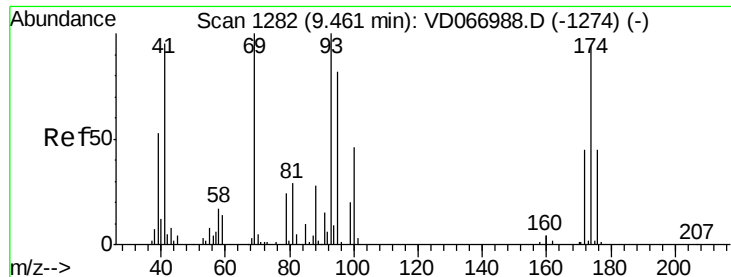
MMDadoda  
10/6/2020 12:55:09 PM



#48  
Methyl methacrylate  
Concen: 20.222 ug/l  
RT: 9.46 min Scan# 1281  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 41      | 100   | 44009 |       |       |
| 69      | 90.1  | 68.5  | 102.7 |       |
| 39      | 50.7  | 40.2  | 60.2  |       |





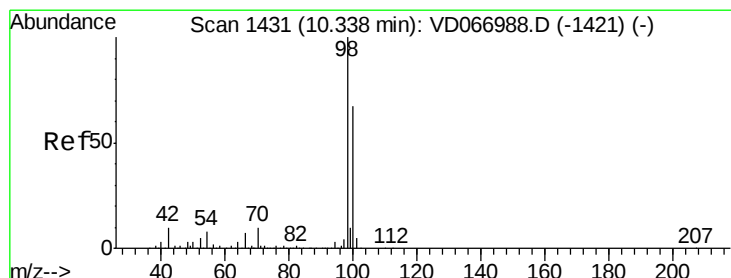
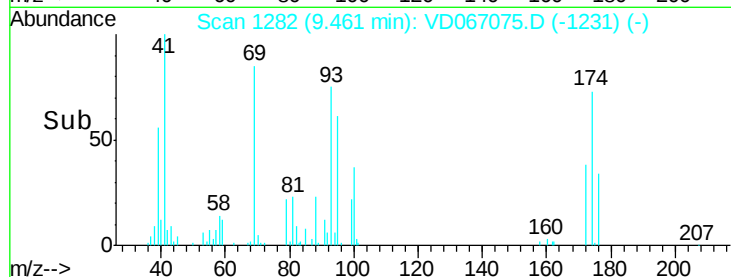
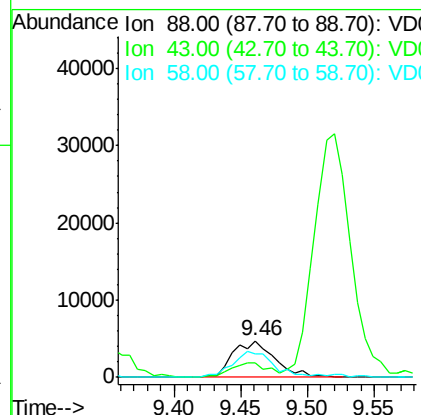
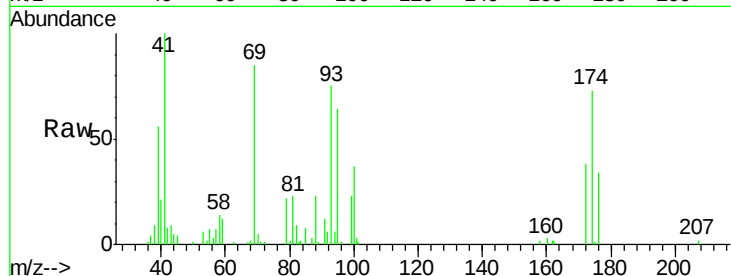
#49  
1,4-Dioxane  
Concen: 396.502 ug/l  
RT: 9.46 min Scan# 1282  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1005SBS01

| Tot Ion   | 88    | Resp  | 10332 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 43        | 35.8  | 25.6  | 38.4  |
| 58        | 68.3  | 53.5  | 80.3  |

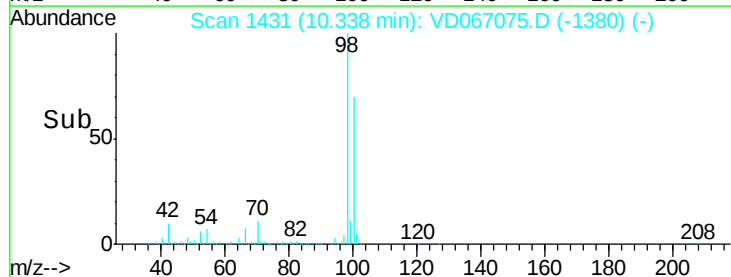
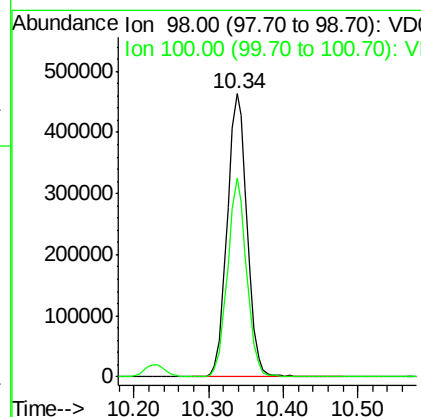
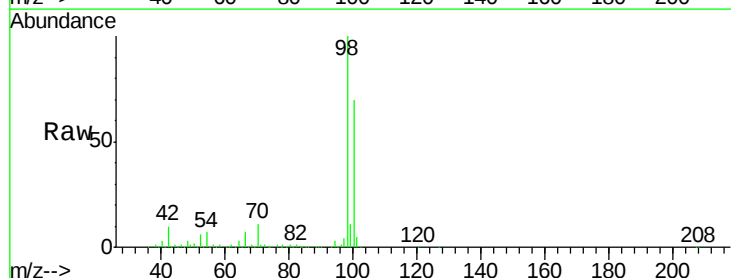
Manual Integrations  
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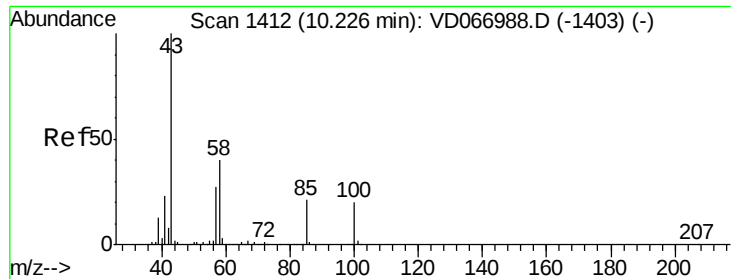
MMDadoda  
10/6/2020 12:55:09 PM



#50  
Toluene-d8  
Concen: 50.439 ug/l  
RT: 10.34 min Scan# 1431  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

| Tgt Ion   | 98    | Resp  | 859258 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 67.3  | 52.8  | 79.2   |





#51

4-Methyl-2-Pentanone

Concen: 94.908 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

Instrument :

MSVOA\_D

ClientSampleId :

VD1005SBS01

Tot Ion: 43 Resp: 200817

Ion Ratio Lower Upper

43 100

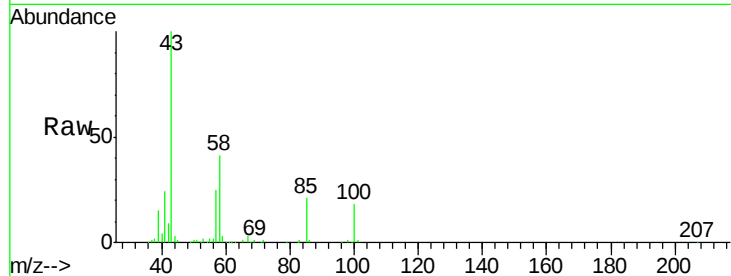
58 42.2 33.8 50.8

Manual Integrations

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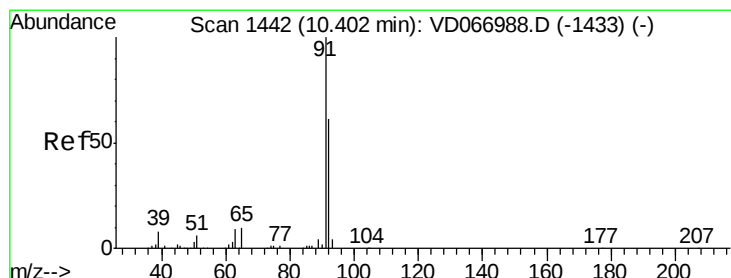
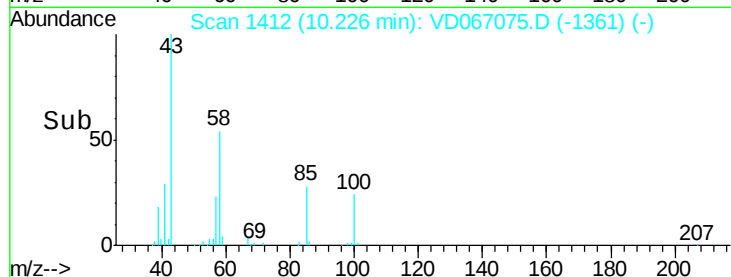
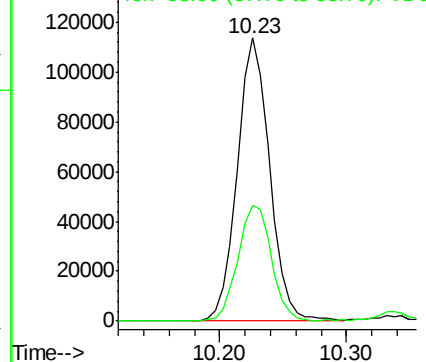
MMDadoda

10/6/2020 12:55:09 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.546 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD067075.D

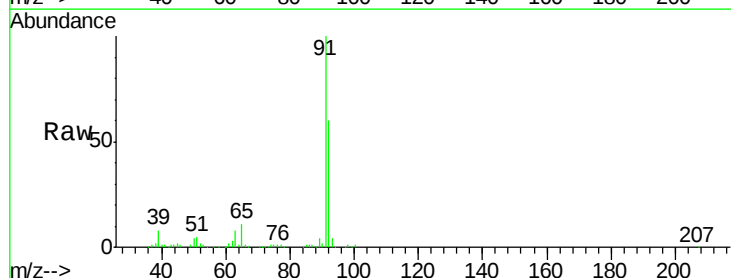
Acq: 05 Oct 2020 11:24

Tgt Ion: 92 Resp: 256604

Ion Ratio Lower Upper

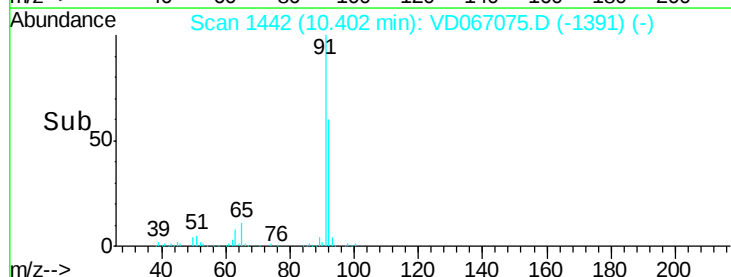
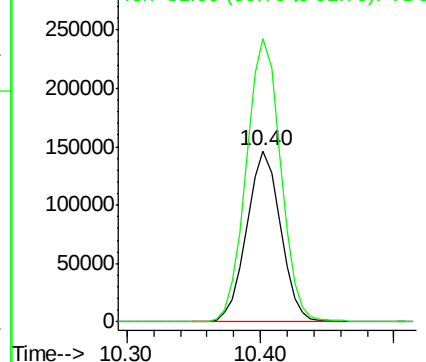
92 100

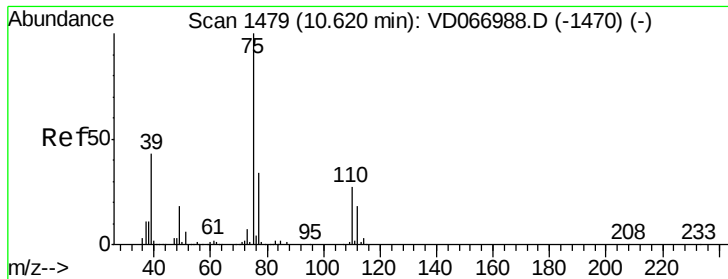
91 168.9 135.1 202.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





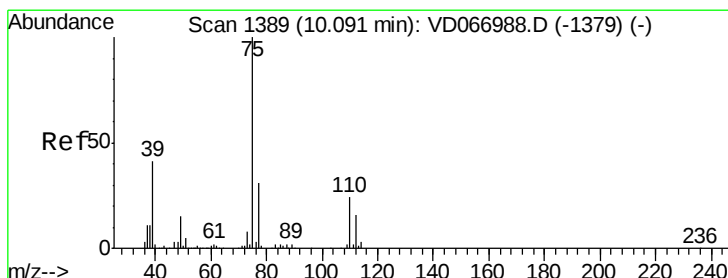
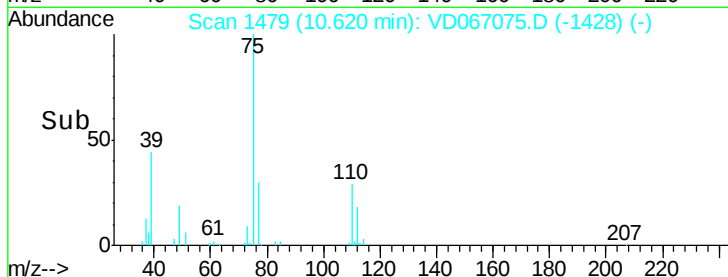
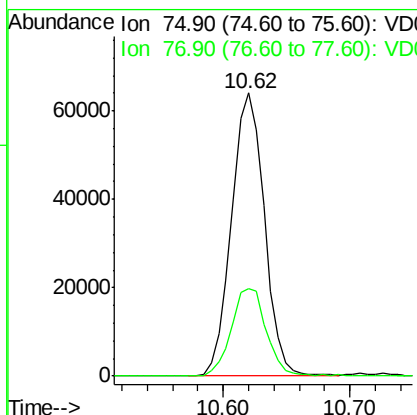
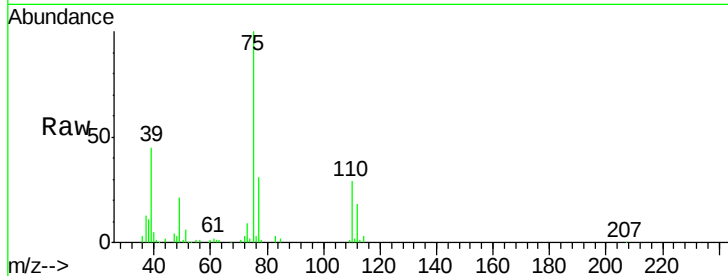
#53  
 t-1,3-Dichloropropene  
 Concen: 19.838 ug/l  
 RT: 10.62 min Scan# 1479  
 Delta R.T. -0.00 min  
 Lab File: VD067075.D  
 Acq: 05 Oct 2020 11:24

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1005SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.9  | 27.1  | 40.7  |

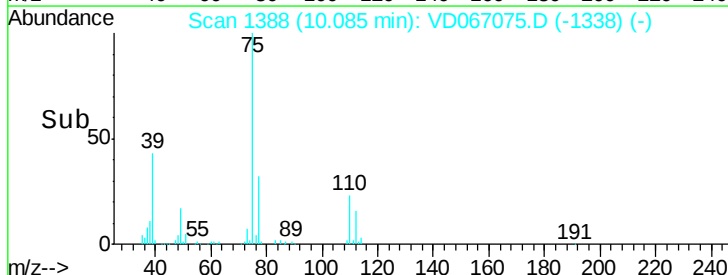
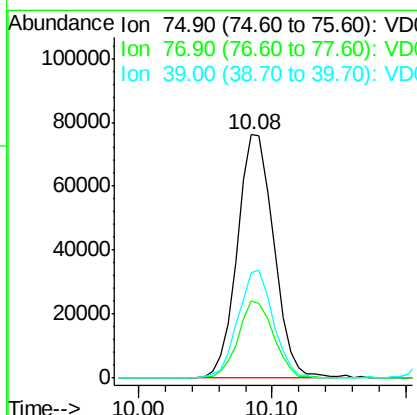
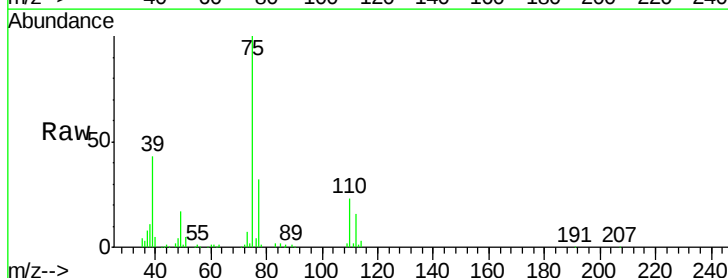
Manual Integrations  
 APPROVED

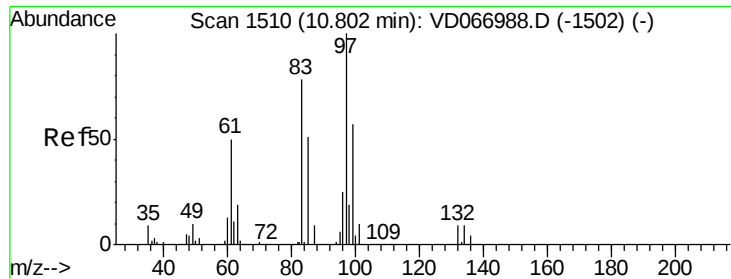
MMDadoda  
 10/6/2020 12:55:09 PM



#54  
 cis-1,3-Dichloropropene  
 Concen: 20.352 ug/l  
 RT: 10.08 min Scan# 1388  
 Delta R.T. -0.01 min  
 Lab File: VD067075.D  
 Acq: 05 Oct 2020 11:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.8  | 24.6  | 37.0  |
| 39      | 43.2  | 33.0  | 49.4  |





#55

1,1,2-Trichloroethane

Concen: 19.799 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

Instrument :

MSVOA\_D

ClientSampleId :

VD1005SBS01

Tot Ion: 97 Resp: 68726

Ion Ratio Lower Upper

97 100

83 77.8 62.4 93.6

85 51.9 41.0 61.4

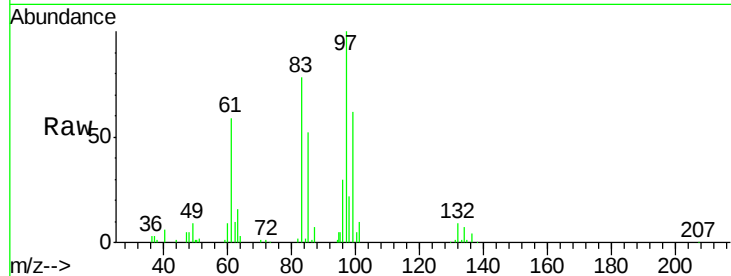
99 61.6 45.9 68.9

Manual Integrations

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MMDadoda

10/6/2020 12:55:09 PM

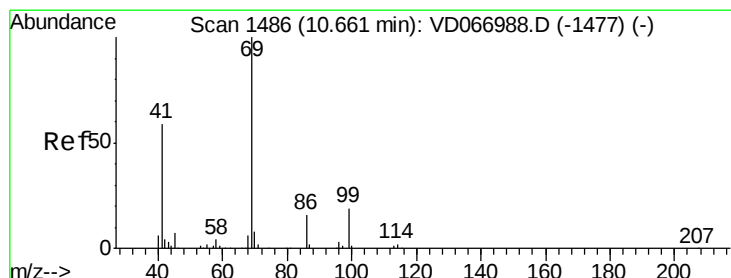
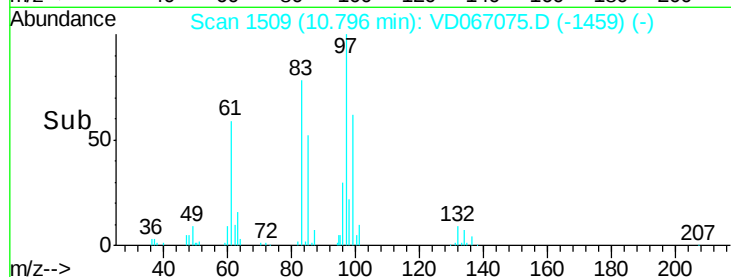
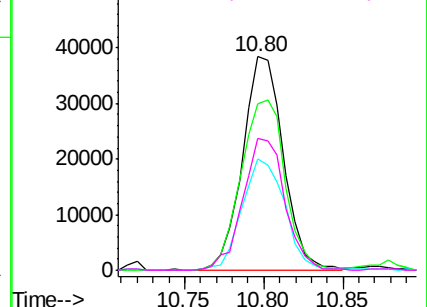


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 20.271 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

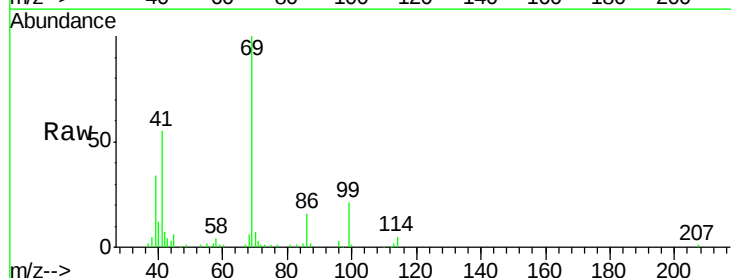
Tgt Ion: 69 Resp: 72646

Ion Ratio Lower Upper

69 100

41 57.7 46.4 69.6

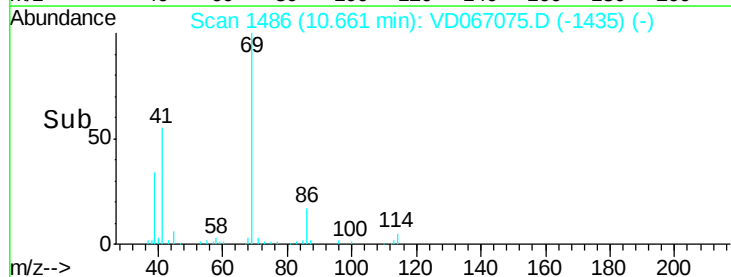
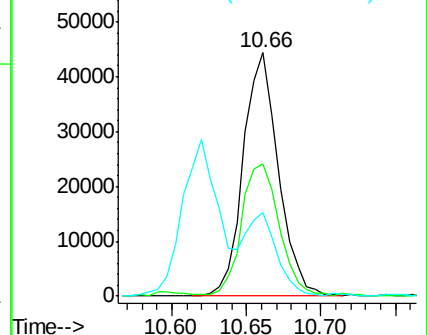
39 30.1 23.8 35.6

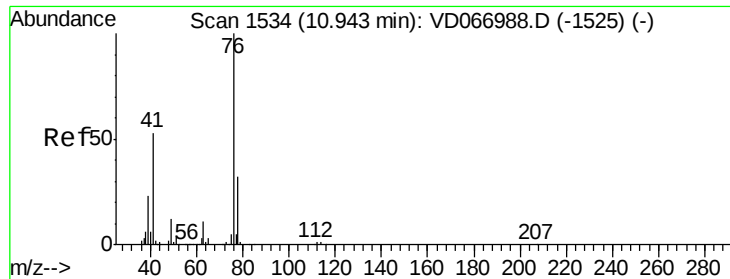


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





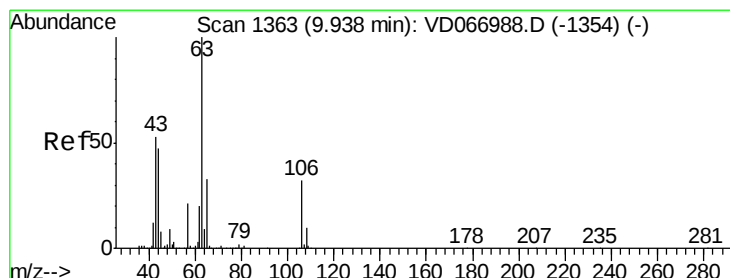
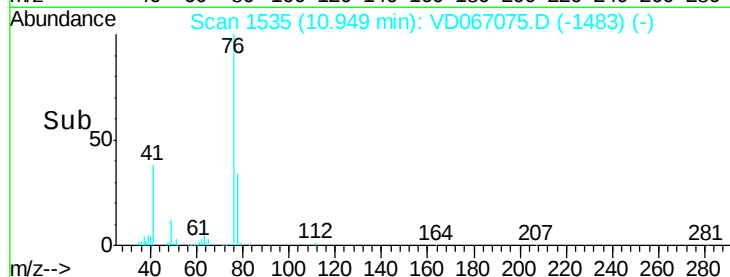
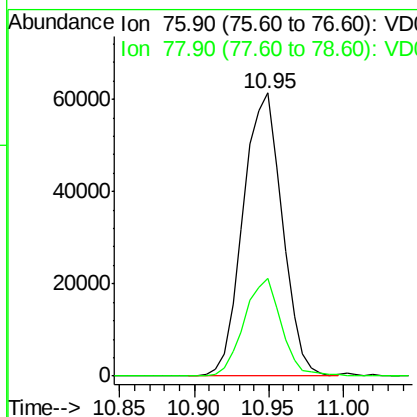
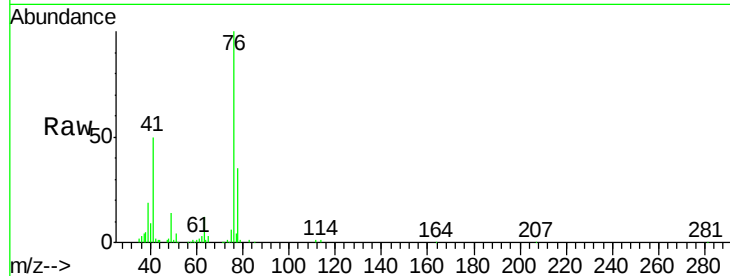
#57  
 1,3-Dichloropropane  
 Concen: 19.828 ug/l  
 RT: 10.95 min Scan# 1535  
 Delta R.T. 0.01 min  
 Lab File: VD067075.D  
 Acq: 05 Oct 2020 11:24

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1005SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 33.0  | 25.8  | 38.8  |

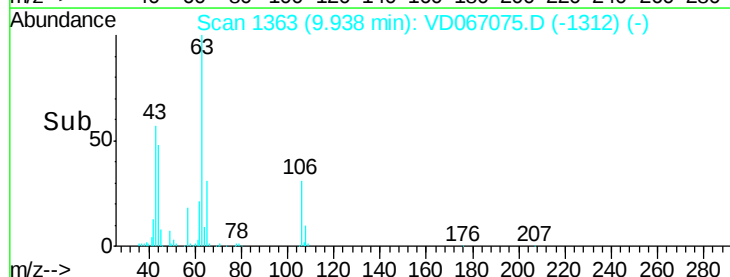
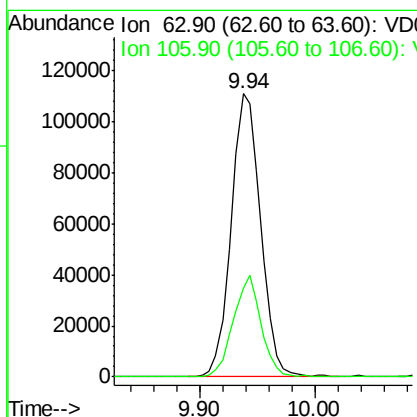
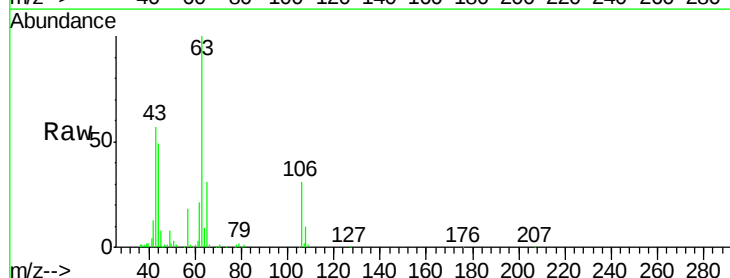
Manual Integrations  
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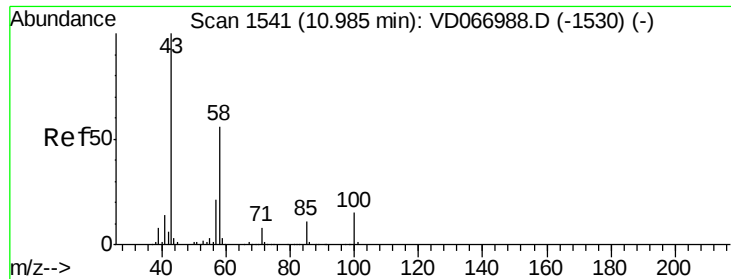
MMDadoda  
 10/6/2020 12:55:09 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 98.050 ug/l  
 RT: 9.94 min Scan# 1363  
 Delta R.T. -0.00 min  
 Lab File: VD067075.D  
 Acq: 05 Oct 2020 11:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 33.8  | 25.3  | 37.9  |





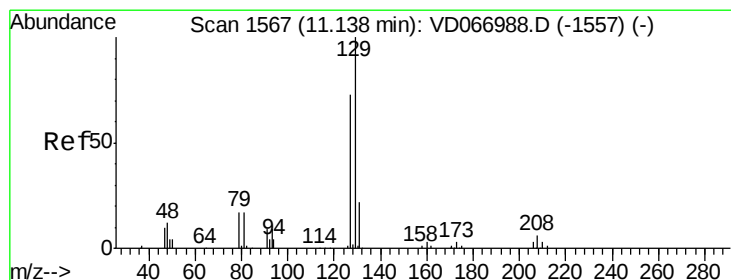
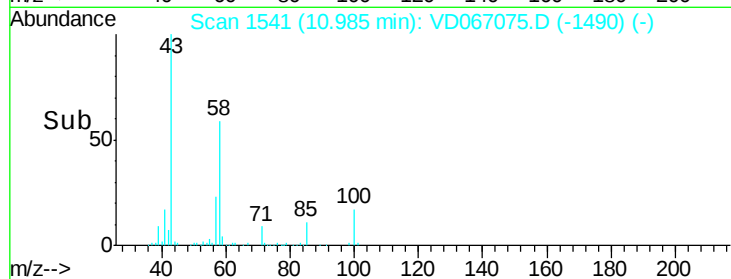
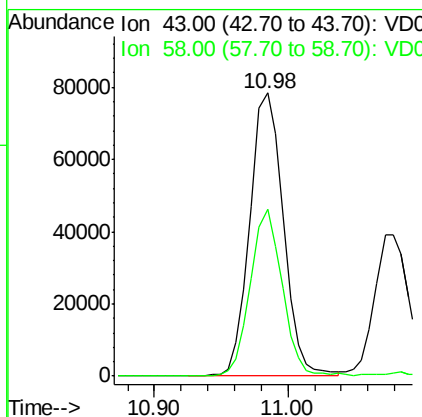
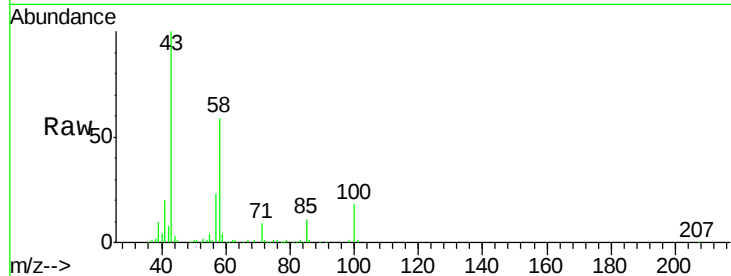
#59  
2-Hexanone  
Concen: 96.551 ug/l  
RT: 10.98 min Scan# 1541  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1005SBS01

Tot Ion: 43 Resp: 136354  
Ion Ratio Lower Upper  
43 100  
58 55.9 28.3 84.9

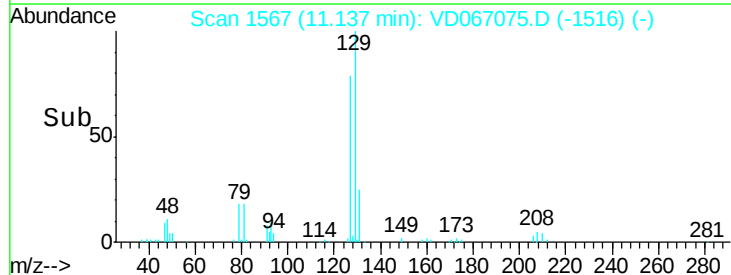
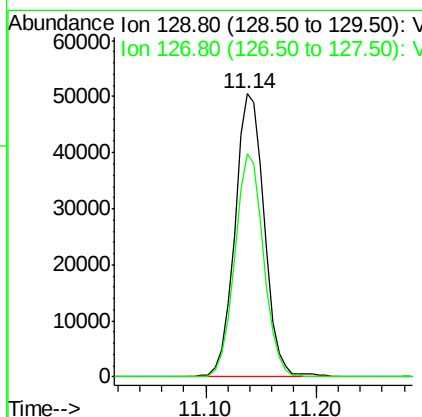
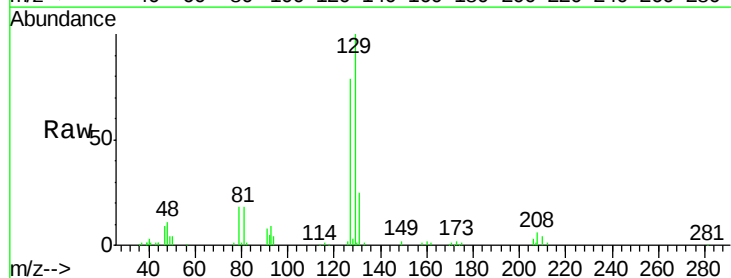
Manual Integrations  
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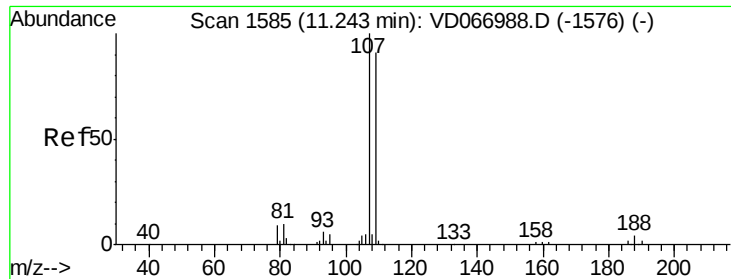
MMDadoda  
10/6/2020 12:55:09 PM



#60  
Dibromochloromethane  
Concen: 20.377 ug/l  
RT: 11.14 min Scan# 1567  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

Tgt Ion: 129 Resp: 94275  
Ion Ratio Lower Upper  
129 100  
127 77.1 37.4 112.1





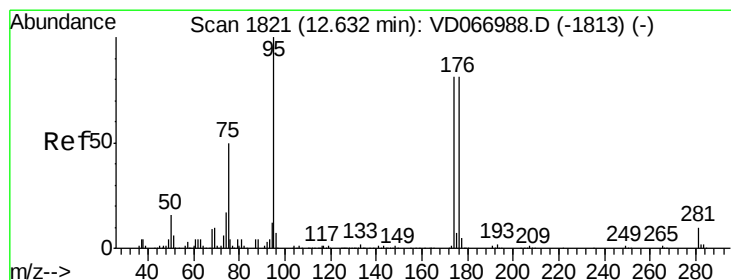
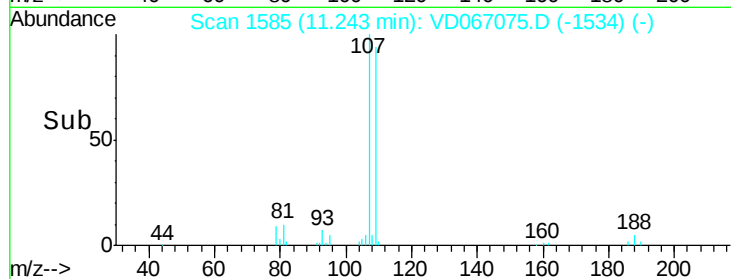
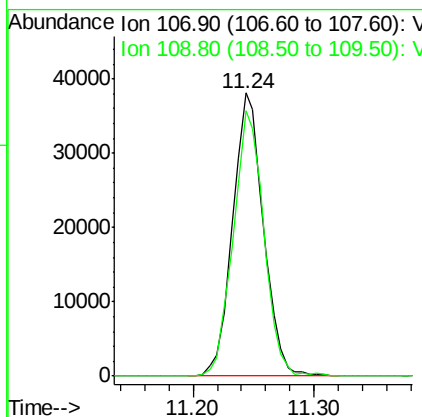
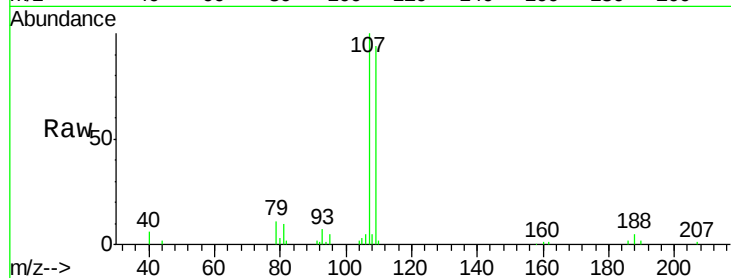
#61  
 1,2-Dibromoethane  
 Concen: 20.311 ug/l  
 RT: 11.24 min Scan# 1585  
 Delta R.T. -0.00 min  
 Lab File: VD067075.D  
 Acq: 05 Oct 2020 11:24

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1005SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.3  | 74.0  | 111.0 |

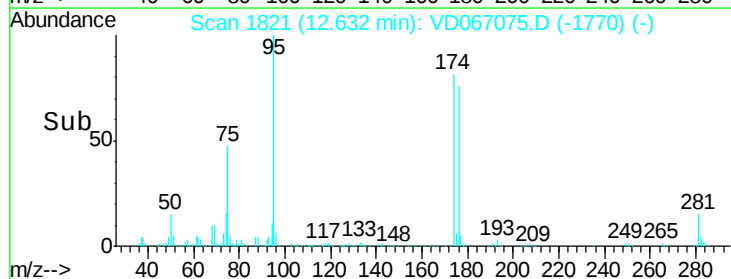
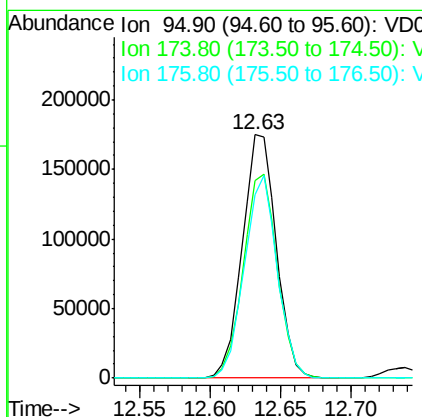
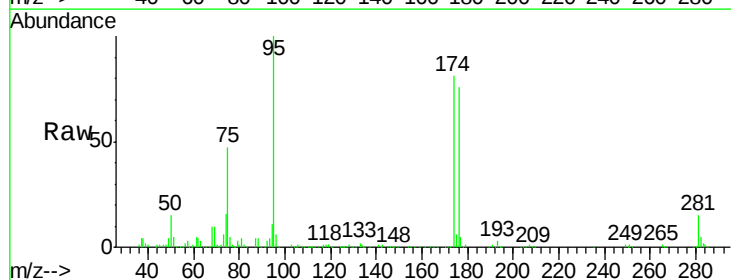
Manual Integrations  
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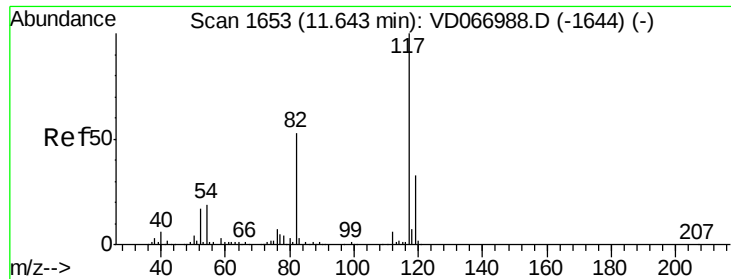
MMDadoda  
 10/6/2020 12:55:09 PM



#62  
 4-Bromofluorobenzene  
 Concen: 51.036 ug/l  
 RT: 12.63 min Scan# 1821  
 Delta R.T. -0.00 min  
 Lab File: VD067075.D  
 Acq: 05 Oct 2020 11:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 84.1  | 0.0   | 167.6 |
| 176     | 80.6  | 0.0   | 162.4 |





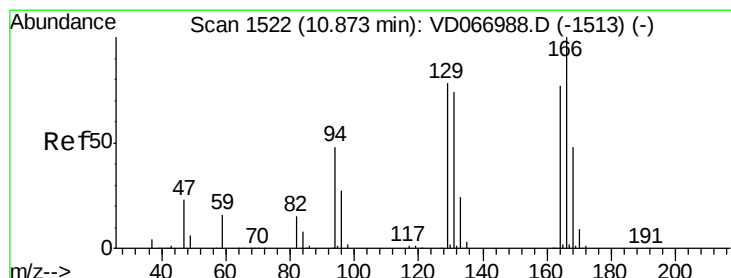
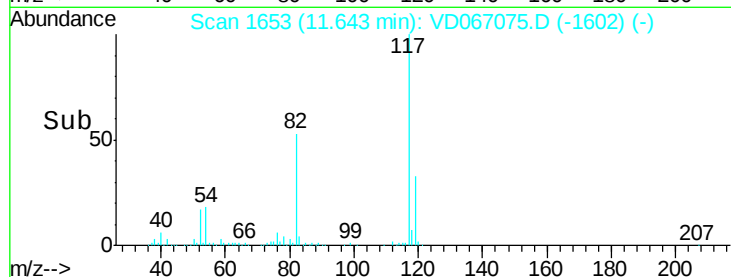
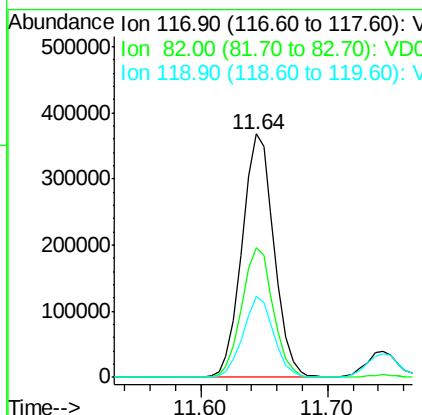
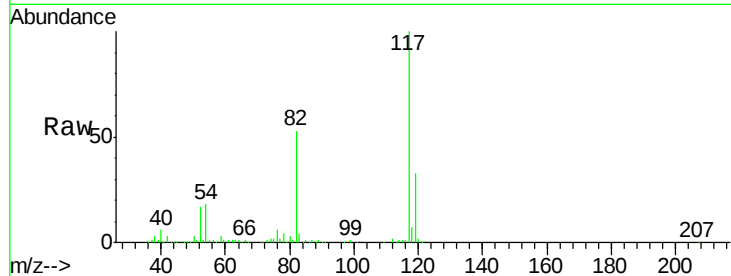
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1005SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.2  | 42.6  | 63.8  |
| 119     | 33.4  | 26.3  | 39.5  |

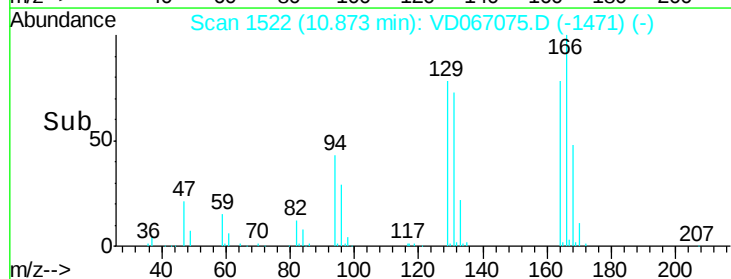
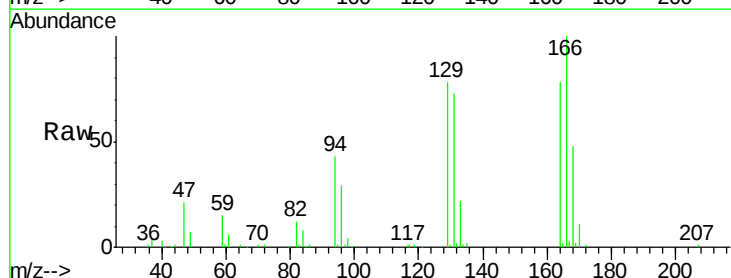
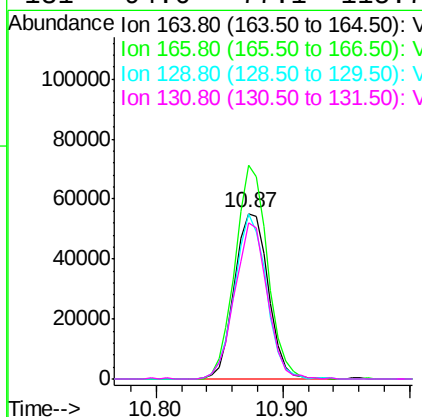
Manual Integrations  
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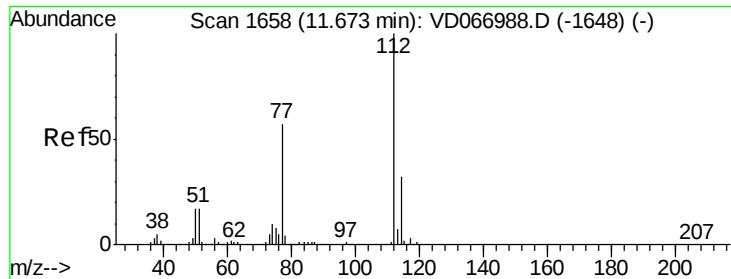
MMDadoda  
10/6/2020 12:55:09 PM



#64  
Tetrachloroethene  
Concen: 21.856 ug/l  
RT: 10.87 min Scan# 1522  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.9 | 104.4 | 156.6 |
| 129     | 100.0 | 81.3  | 121.9 |
| 131     | 94.6  | 77.1  | 115.7 |





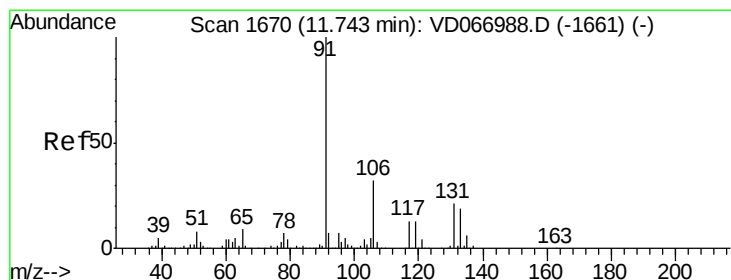
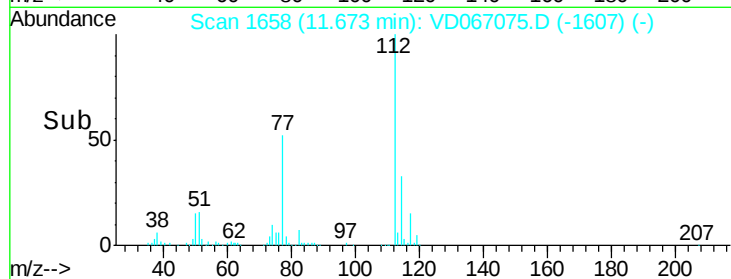
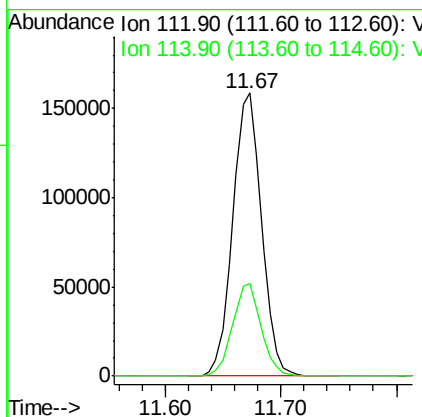
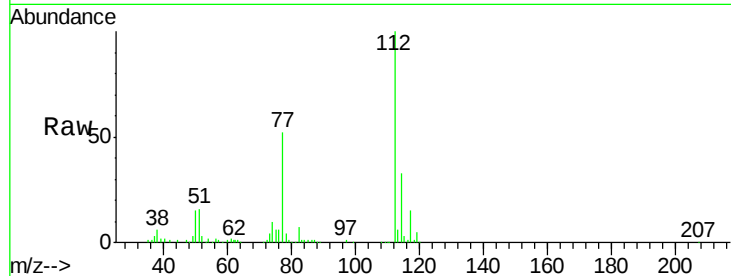
#65  
Chlorobenzene  
Concen: 21.427 ug/l  
RT: 11.67 min Scan# 1658  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1005SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.9  | 25.4  | 38.0  |

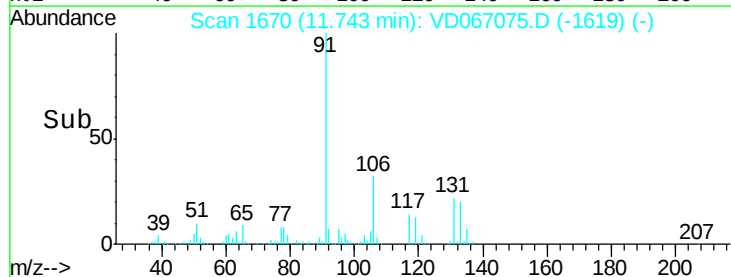
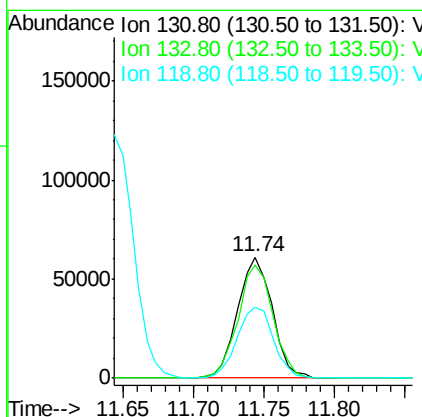
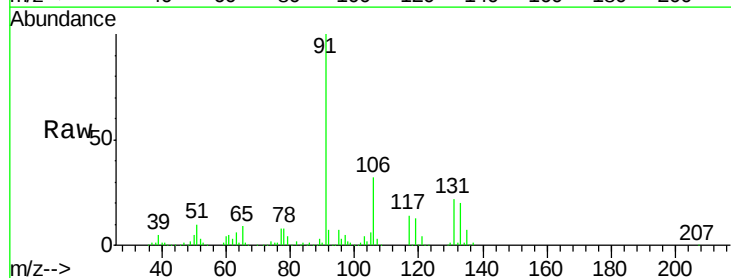
Manual Integrations  
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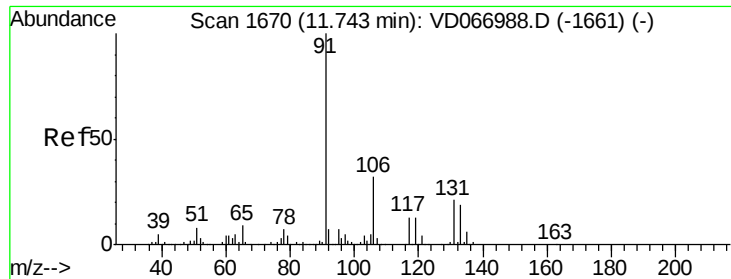
MMDadoda  
10/6/2020 12:55:09 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.659 ug/l  
RT: 11.74 min Scan# 1670  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 94.3  | 47.8  | 143.3 |
| 119     | 61.7  | 32.3  | 96.8  |





#67

Ethyl Benzene

Concen: 21.340 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

Instrument :

MSVOA\_D

ClientSampleId :

VD1005SBS01

Tot Ion: 91 Resp: 467512

Ion Ratio Lower Upper

91 100

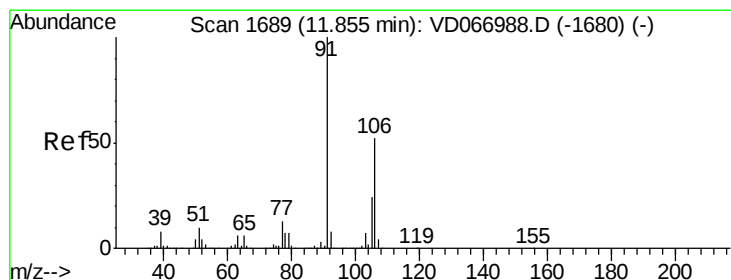
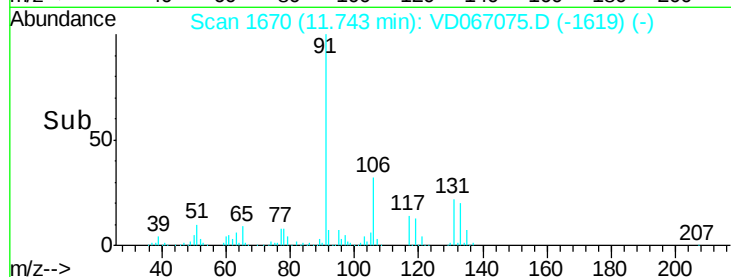
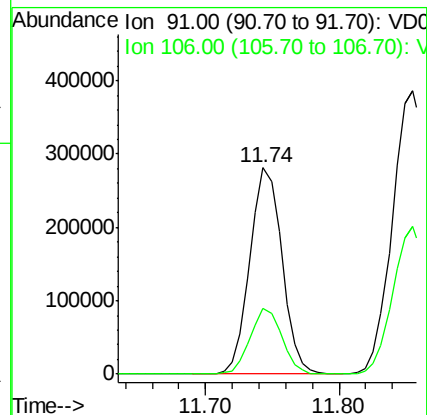
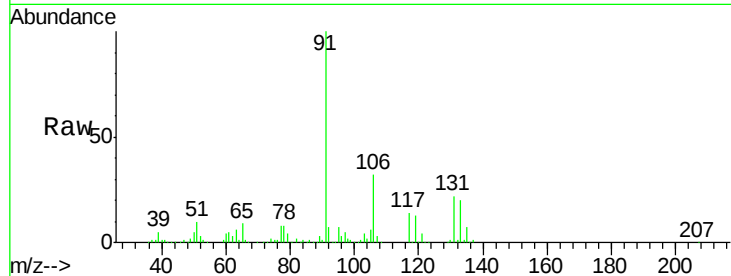
106 31.7 25.4 38.2

Manual Integrations

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10/6/2020 12:55:09 PM



#68

m/p-Xylenes

Concen: 44.112 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD067075.D

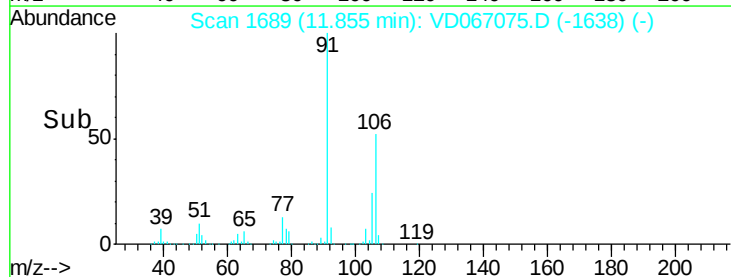
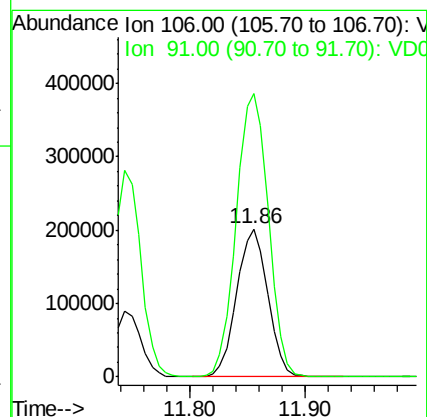
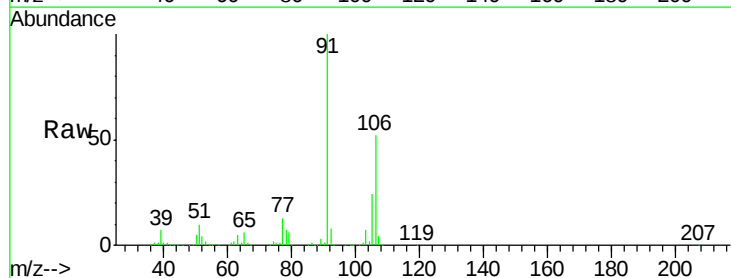
Acq: 05 Oct 2020 11:24

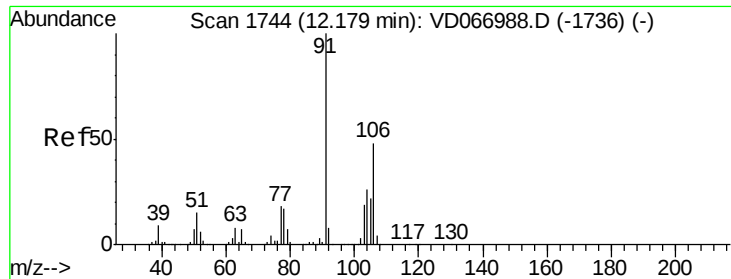
Tgt Ion: 106 Resp: 376621

Ion Ratio Lower Upper

106 100

91 197.6 158.4 237.6





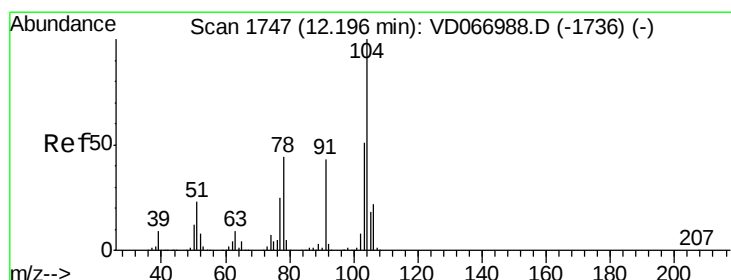
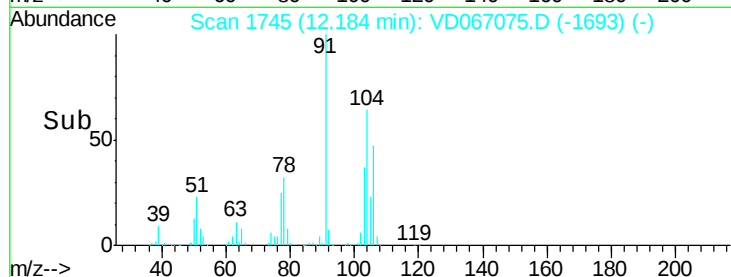
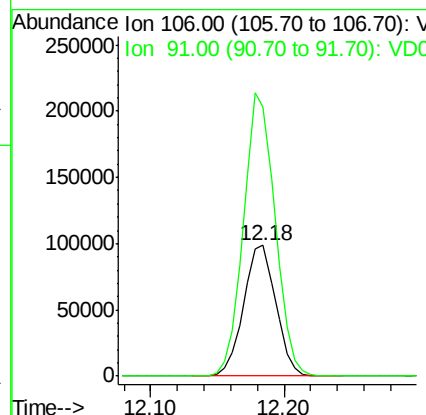
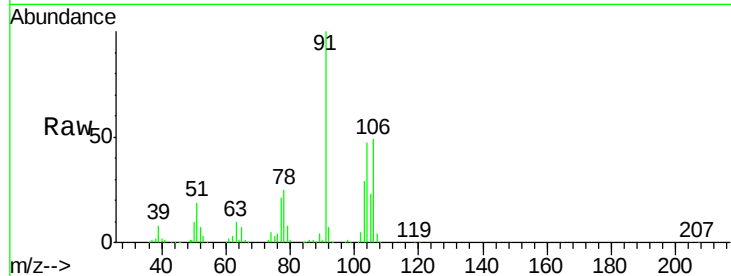
#69  
o-Xylene  
Concen: 21.620 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. 0.01 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1005SBS01

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 165068 |       |       |
| 91      | 211.3 | 102.4 | 307.2  |       |       |

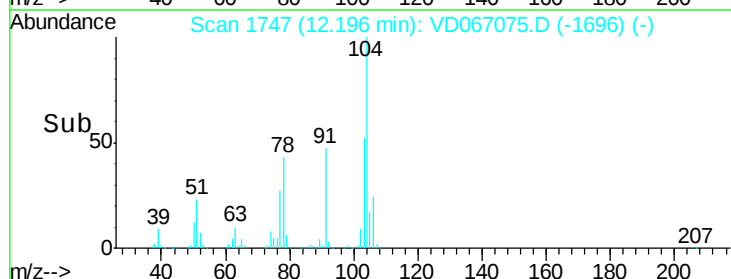
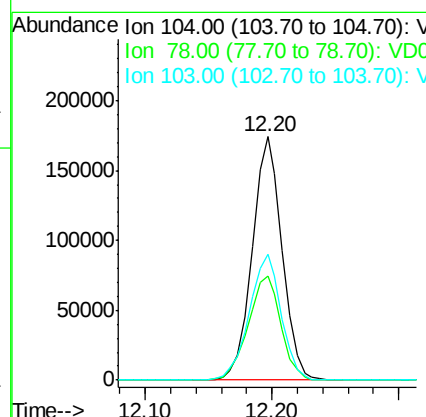
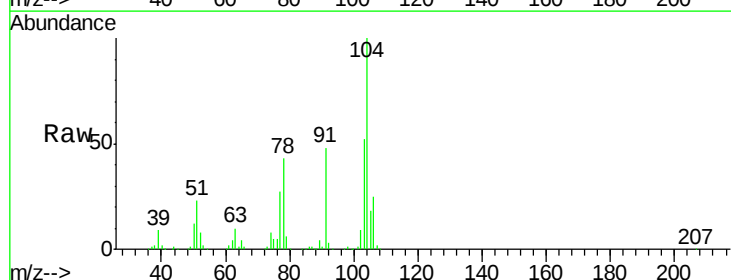
Manual Integrations  
APPROVED

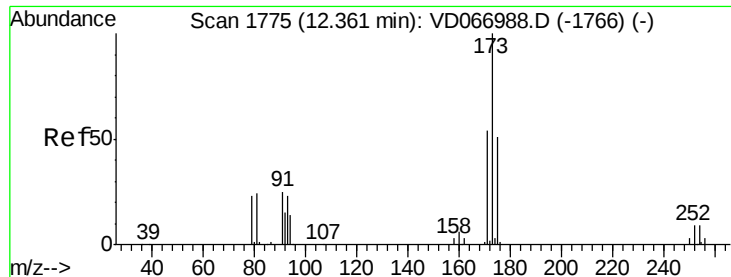
MMDadoda  
10/6/2020 12:55:09 PM



#70  
Styrene  
Concen: 21.673 ug/l  
RT: 12.20 min Scan# 1747  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       | 284144 |       |       |
| 78      | 47.2 | 38.6  | 58.0   |       |       |
| 103     | 55.4 | 43.4  | 65.0   |       |       |





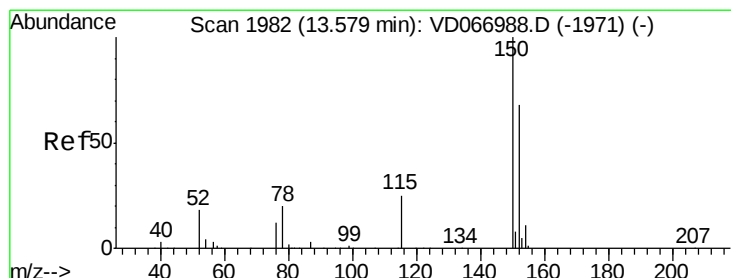
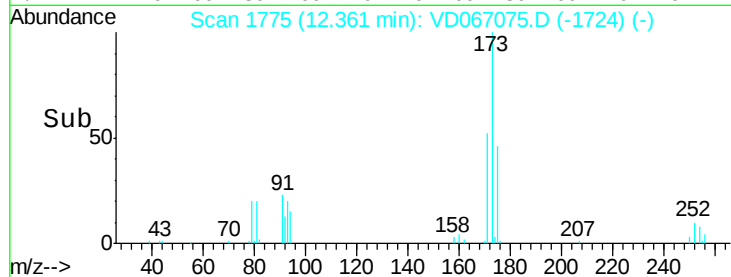
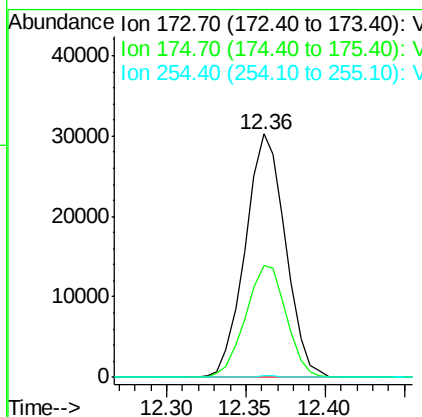
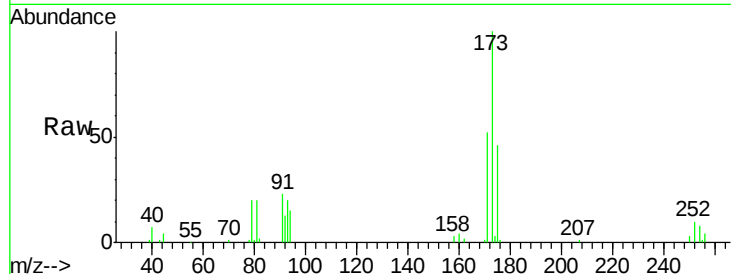
#71  
Bromoform  
Concen: 21.128 ug/l  
RT: 12.36 min Scan# 1775  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1005SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 46.4  | 24.9  | 74.7  |
| 254     | 0.3   | 0.2   | 0.4   |

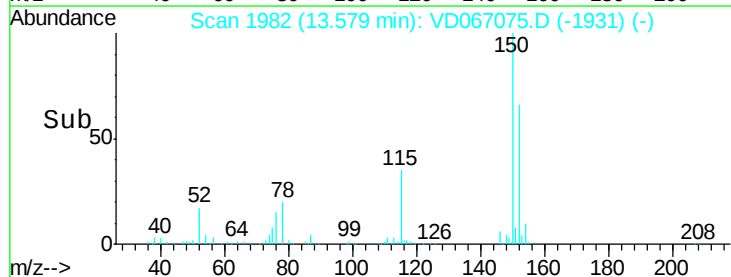
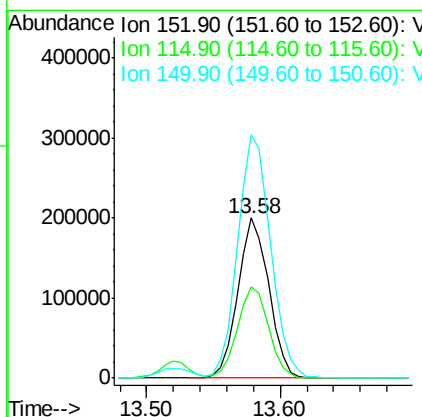
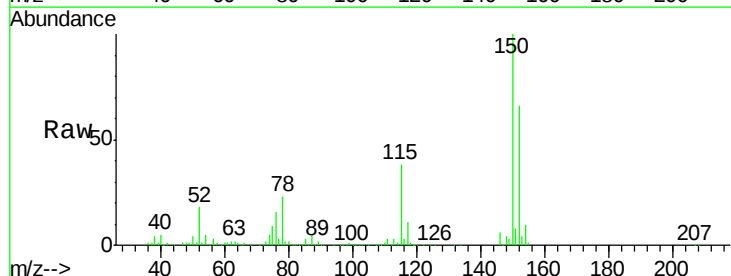
Manual Integrations  
APPROVED

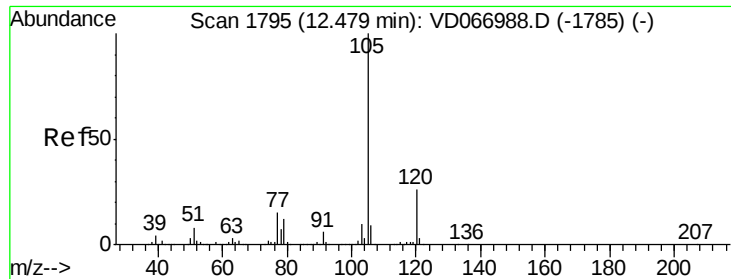
MMDadoda  
10/6/2020 12:55:09 PM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.1  | 29.6  | 88.8  |
| 150     | 163.0 | 0.0   | 344.8 |





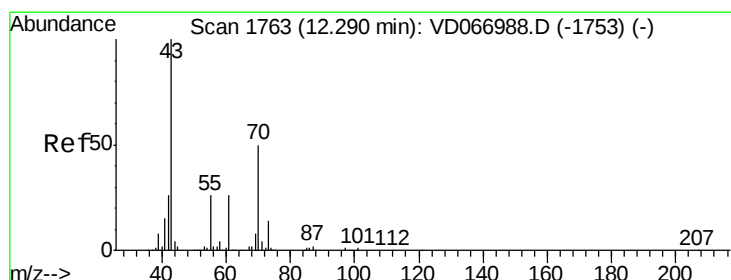
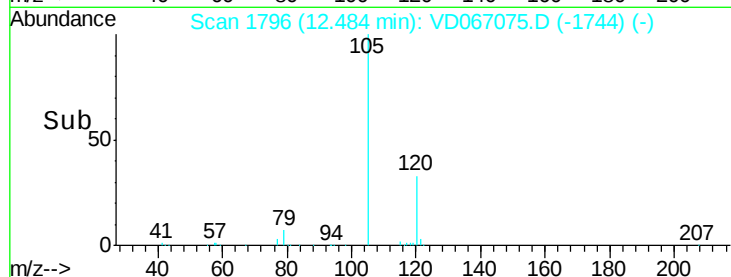
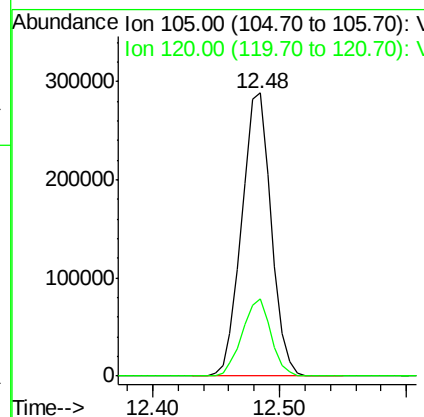
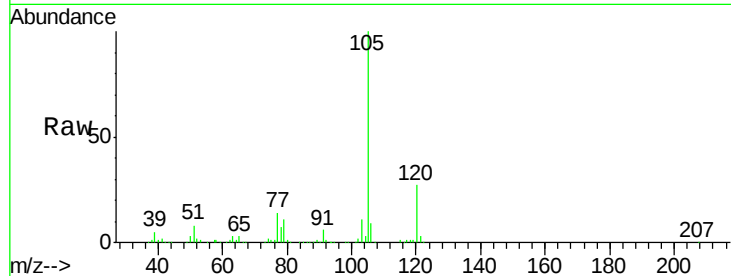
#73  
Isopropylbenzene  
Concen: 21.388 ug/l  
RT: 12.48 min Scan# 1796  
Delta R.T. 0.01 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1005SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.7  | 13.3  | 39.9  |

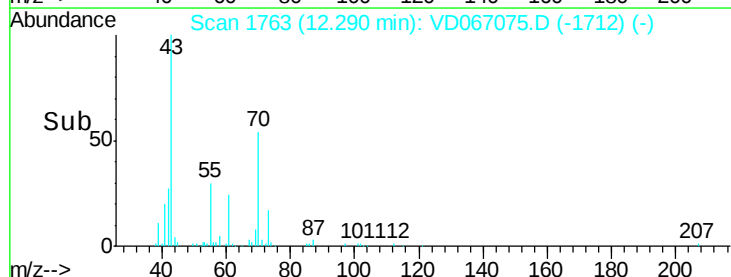
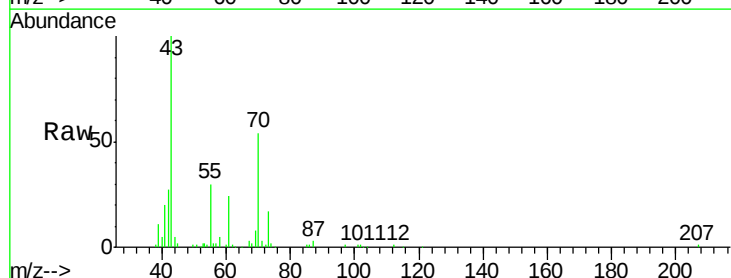
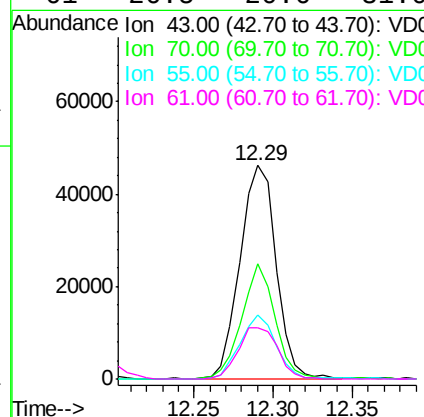
Manual Integrations  
APPROVED

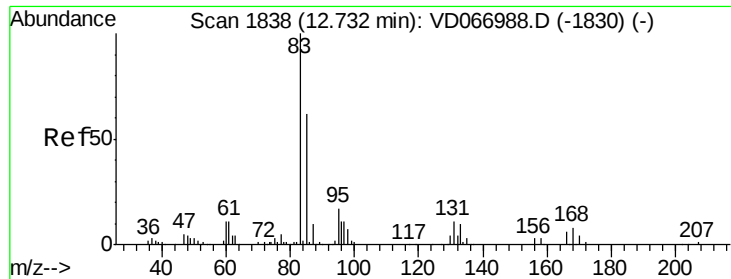
MMDadoda  
10/6/2020 12:55:09 PM



#74  
N-ethyl acetate  
Concen: 18.867 ug/l  
RT: 12.29 min Scan# 1763  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 49.2  | 38.2  | 57.2  |
| 55      | 29.8  | 22.4  | 33.6  |
| 61      | 26.5  | 20.6  | 31.0  |





#75

1,1,2,2-Tetrachloroethane

Concen: 19.953 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

Instrument :

MSVOA\_D

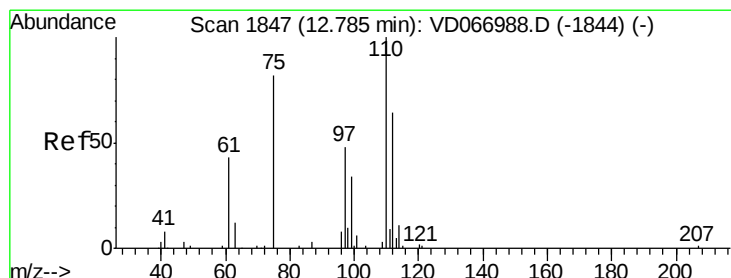
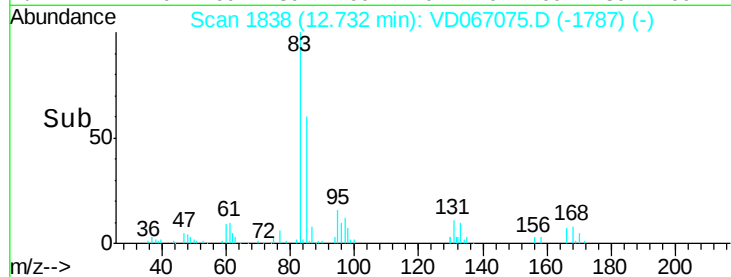
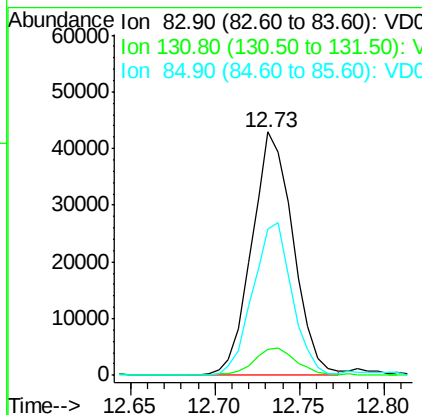
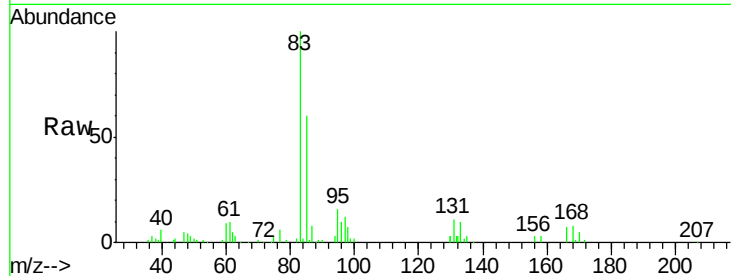
ClientSampleId :

VD1005SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 72888 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 11.7  | 5.7   | 17.0  |
| 85       | 59.8  | 32.0  | 96.2  |

Manual Integrations  
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MMDadoda  
10/6/2020 12:55:09 PM



#76

1,2,3-Trichloropropane

Concen: 17.665 ug/l m

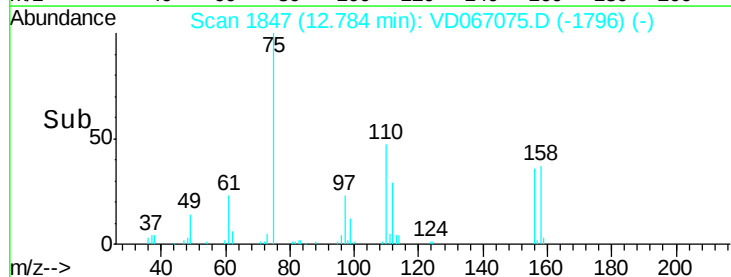
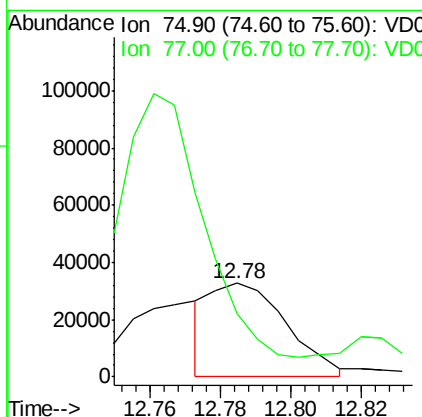
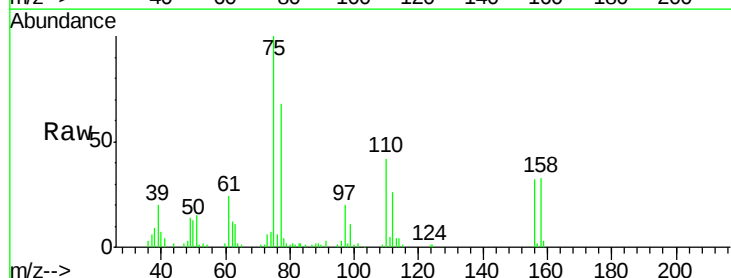
RT: 12.78 min Scan# 1847

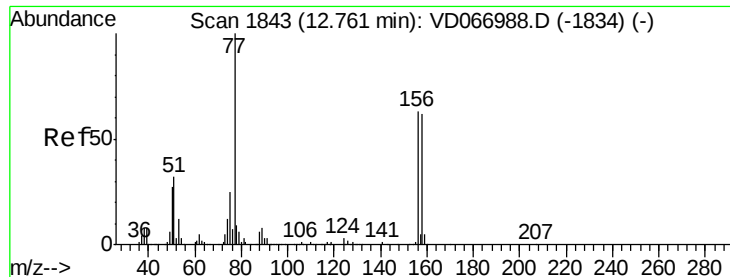
Delta R.T. -0.00 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 49130 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 21.265 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

Instrument :

MSVOA\_D

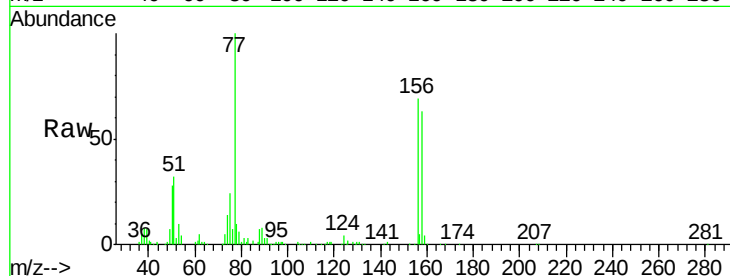
ClientSampleId :

VD1005SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 111326 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 162.9 | 86.3  | 258.8  |
| 158       | 95.6  | 49.5  | 148.3  |

Manual Integrations  
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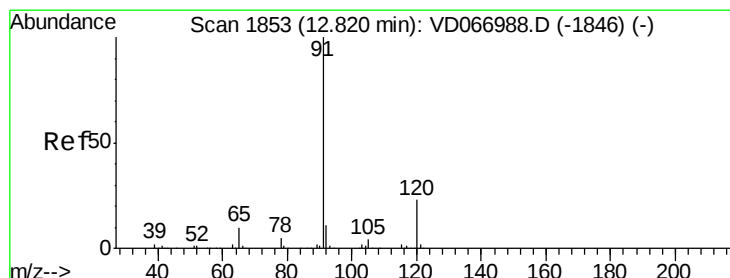
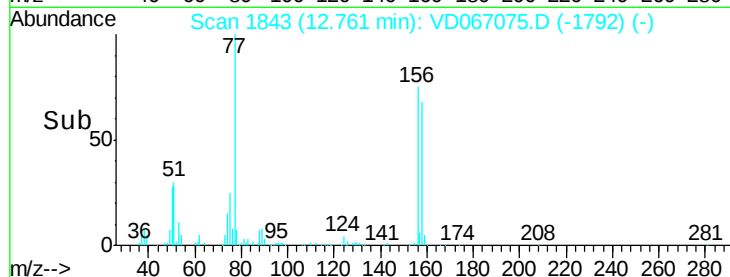
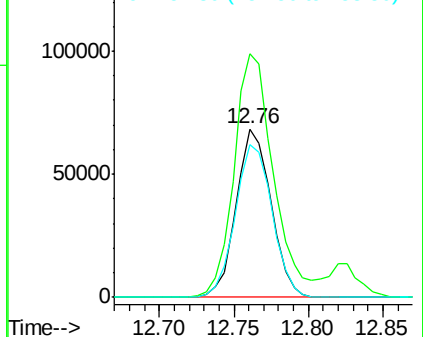
MMDadoda  
10/6/2020 12:55:09 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.083 ug/l

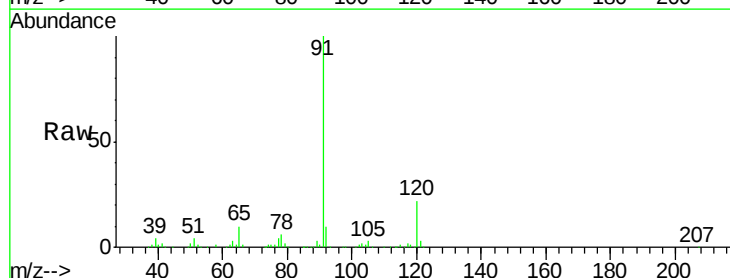
RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD067075.D

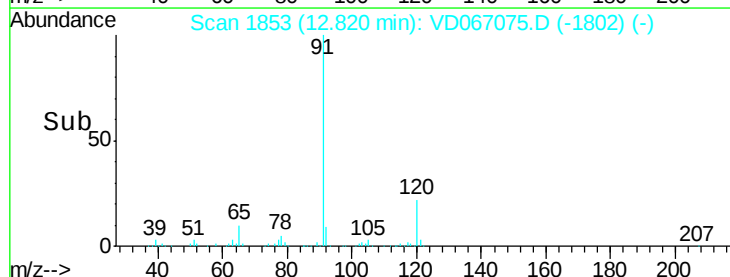
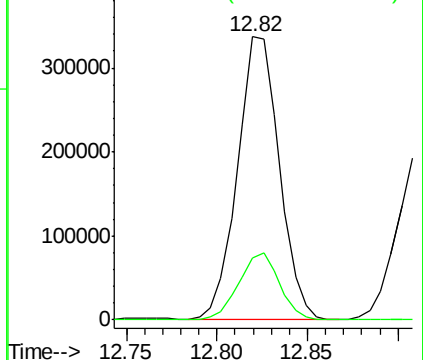
Acq: 05 Oct 2020 11:24

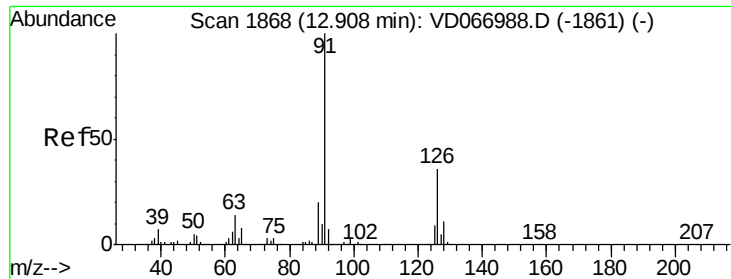
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 540216 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.1  | 11.6  | 34.8   |



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





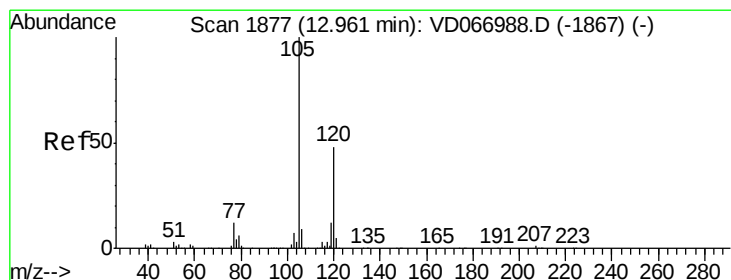
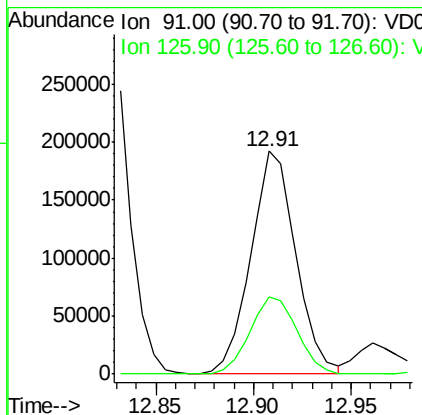
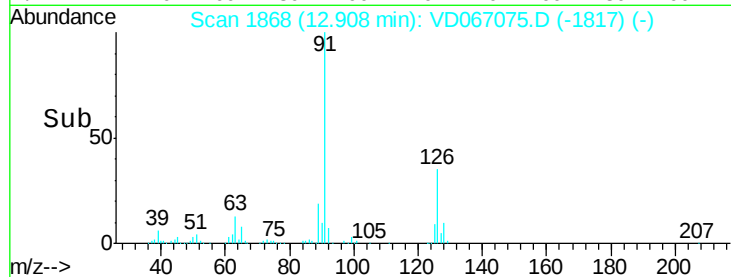
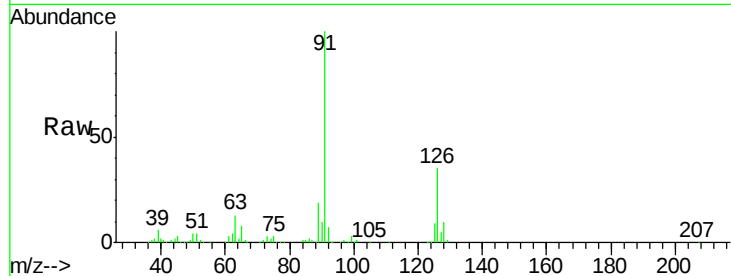
#79  
2-Chlorotoluene  
Concen: 20.918 ug/l  
RT: 12.91 min Scan# 1868  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1005SBS01

Tot Ion: 91 Resp: 306659  
Ion Ratio Lower Upper  
91 100  
126 36.3 17.5 52.6

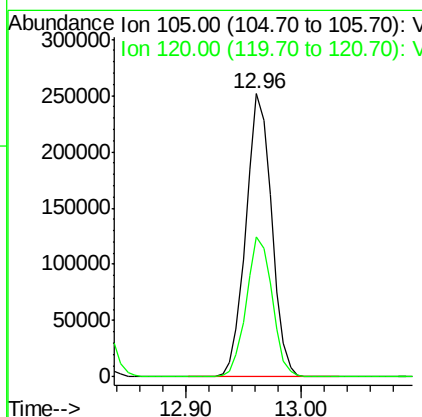
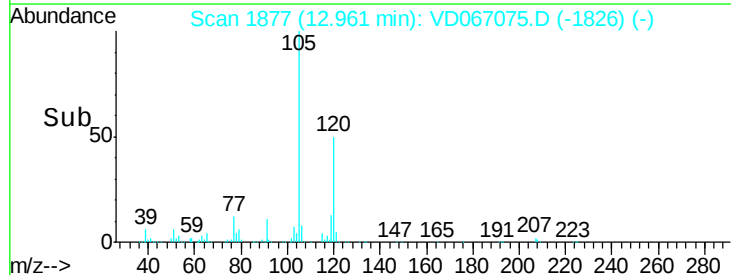
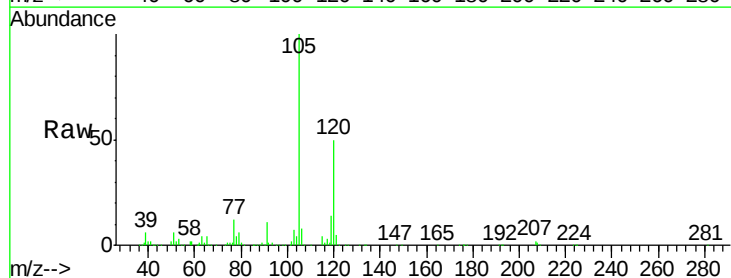
Manual Integrations  
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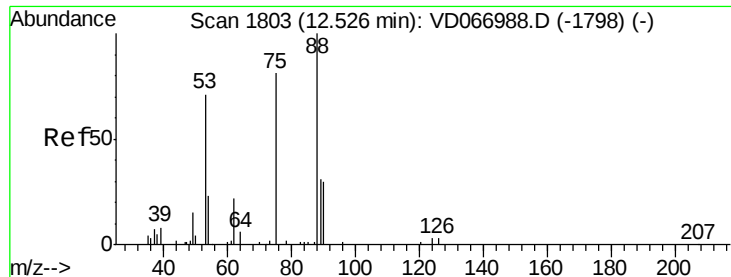
MMDadoda  
10/6/2020 12:55:09 PM



#80  
1,3,5-Trimethylbenzene  
Concen: 21.340 ug/l  
RT: 12.96 min Scan# 1877  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

Tgt Ion: 105 Resp: 390907  
Ion Ratio Lower Upper  
105 100  
120 49.8 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.860 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

Instrument :

MSVOA\_D

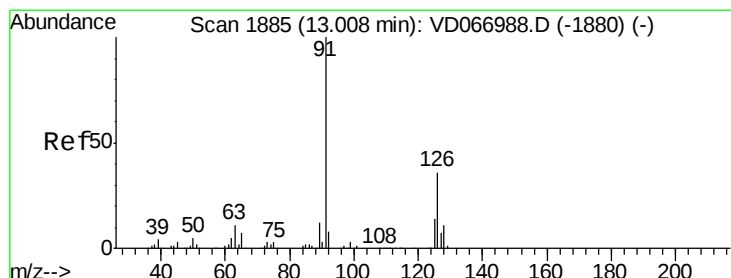
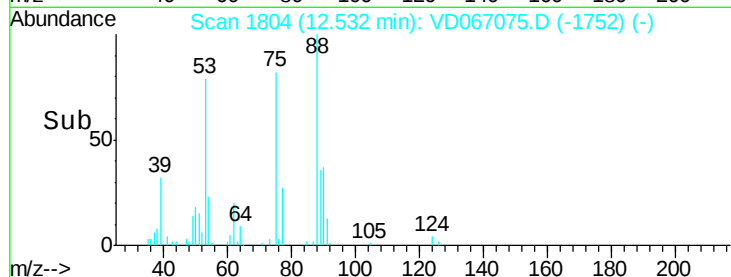
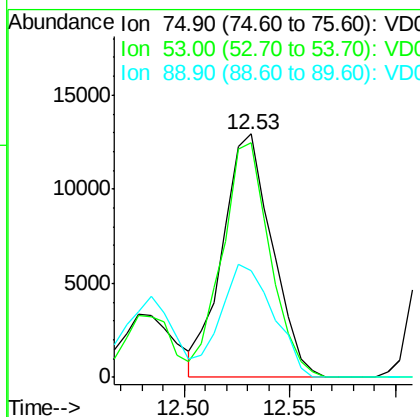
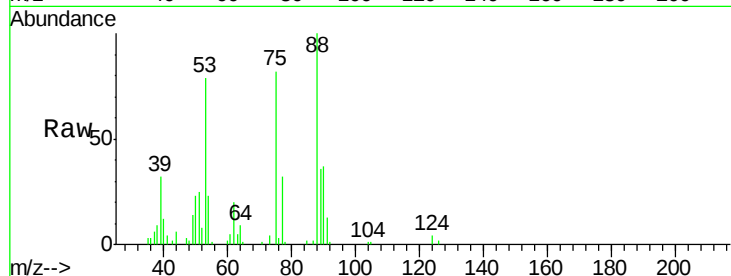
ClientSampleId :

VD1005SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 21039 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 92.8  | 73.8  | 110.6 |
| 89       | 49.9  | 38.9  | 58.3  |

Manual Integrations  
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MMDadoda  
10/6/2020 12:55:09 PM



#82

4-Chlorotoluene

Concen: 20.902 ug/l

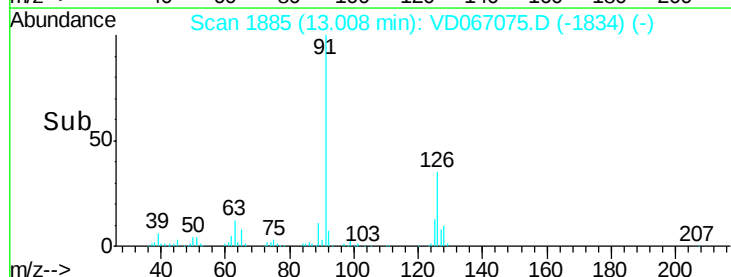
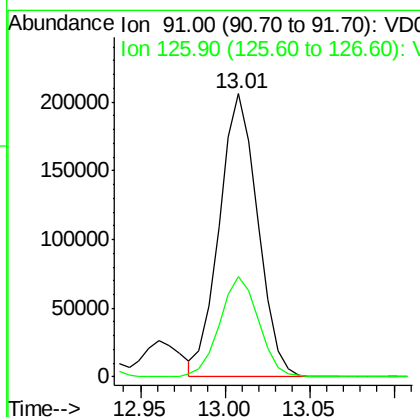
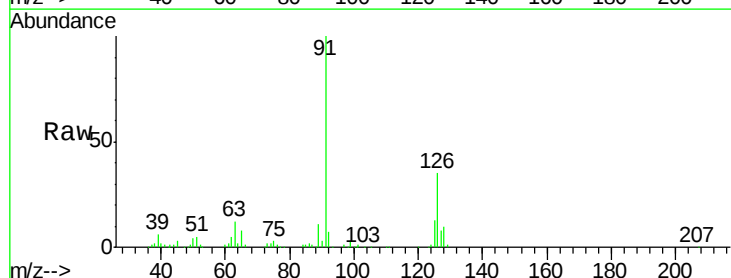
RT: 13.01 min Scan# 1885

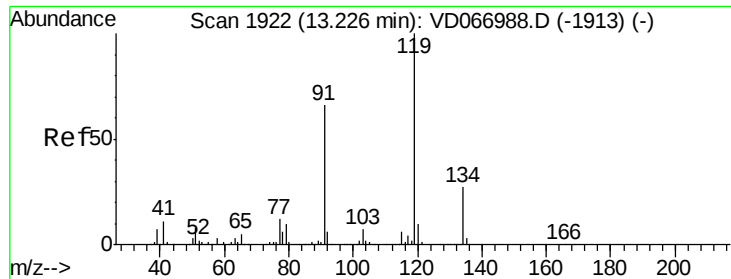
Delta R.T. -0.00 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 326019 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 35.7  | 17.5  | 52.5   |





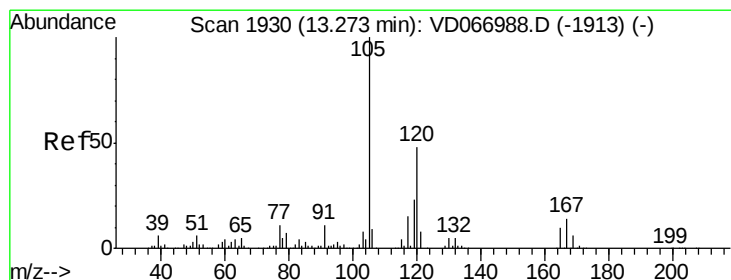
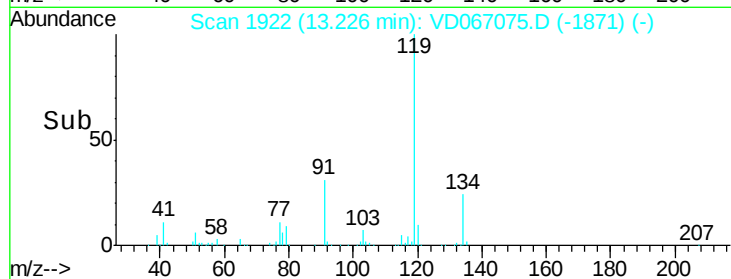
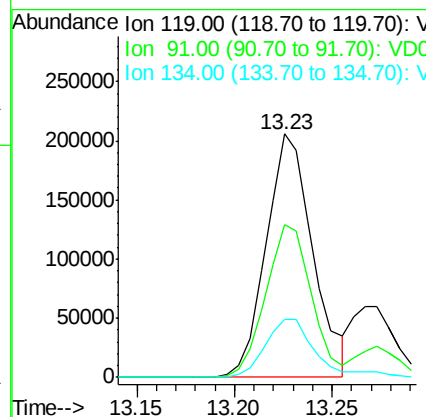
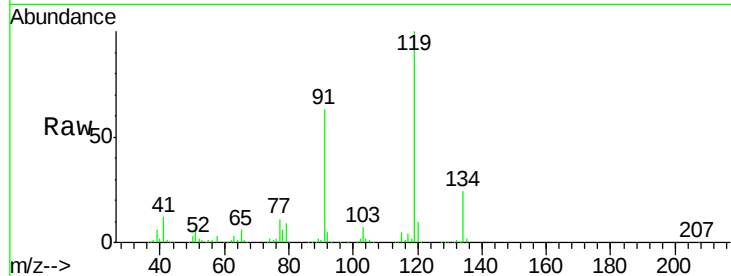
#83  
 tert-Butylbenzene  
 Concen: 22.091 ug/l  
 RT: 13.23 min Scan# 1922  
 Delta R.T. -0.00 min  
 Lab File: VD067075.D  
 Acq: 05 Oct 2020 11:24

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1005SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 61.4  | 32.8  | 98.3  |
| 134     | 26.1  | 13.9  | 41.7  |

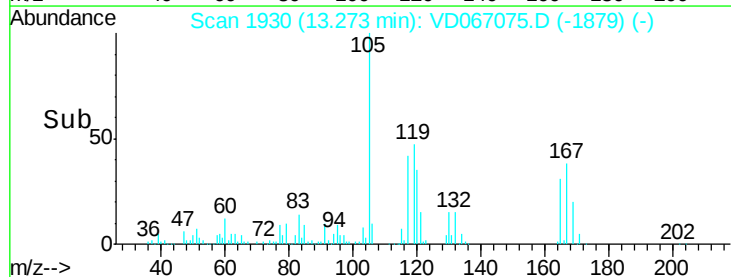
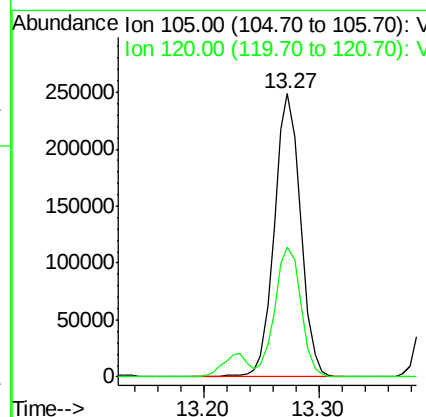
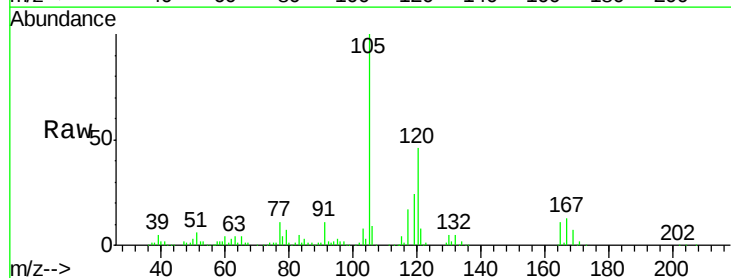
Manual Integrations  
 APPROVED

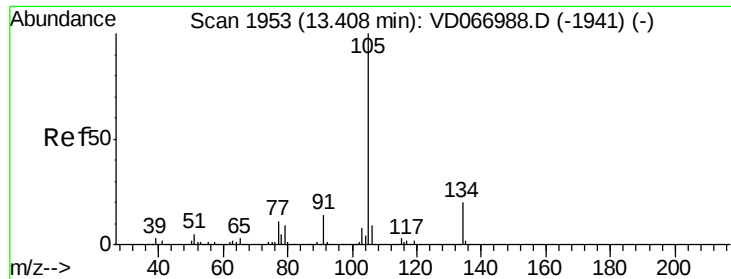
MMDadoda  
 10/6/2020 12:55:09 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 21.547 ug/l  
 RT: 13.27 min Scan# 1930  
 Delta R.T. -0.00 min  
 Lab File: VD067075.D  
 Acq: 05 Oct 2020 11:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.6  | 23.3  | 69.8  |





#85

sec-Butylbenzene

Concen: 21.027 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

Instrument :

MSVOA\_D

ClientSampleId :

VD1005SBS01

Tot Ion:105 Resp: 456771

Ion Ratio Lower Upper

105 100

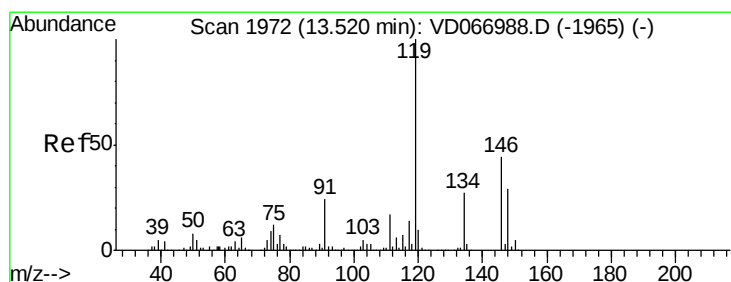
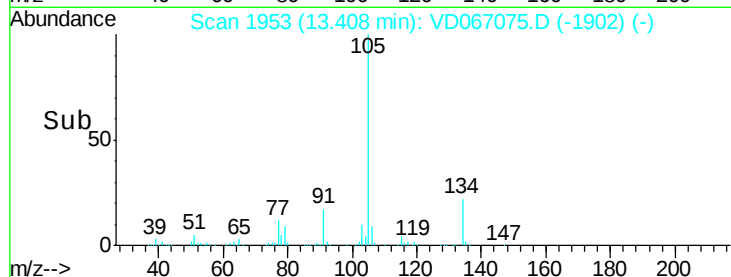
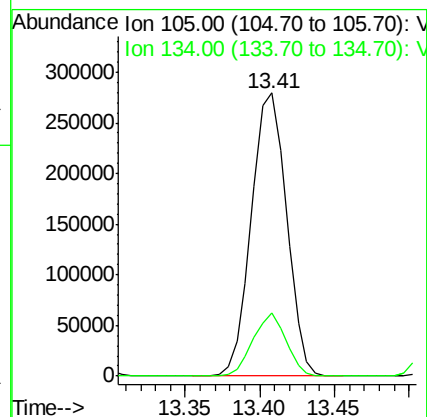
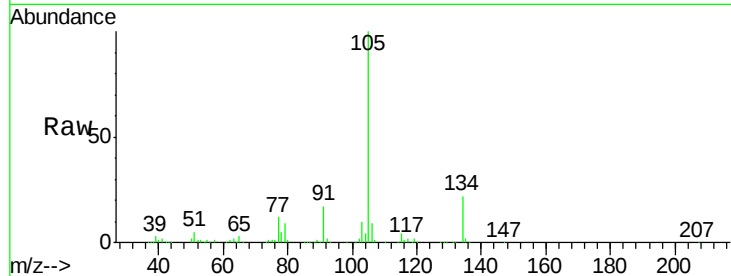
134 20.8 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.273 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067075.D

Acq: 05 Oct 2020 11:24

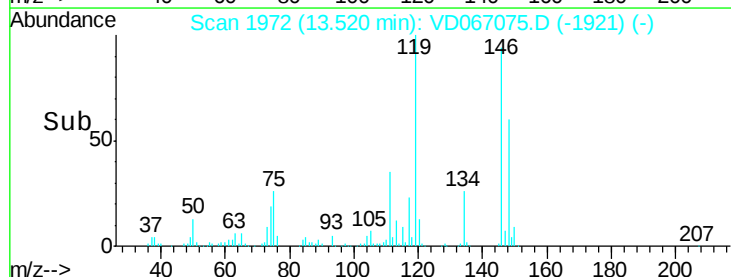
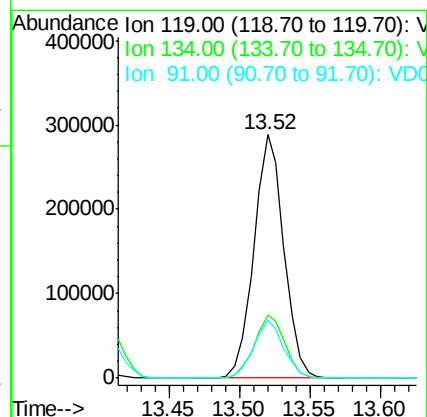
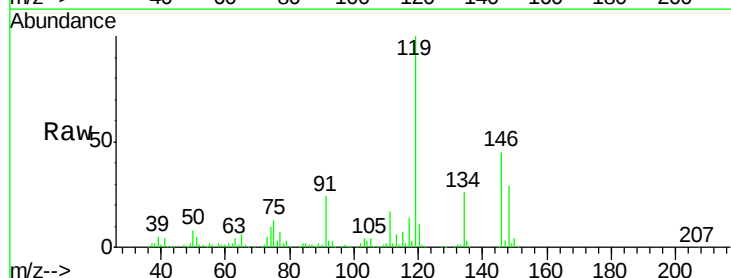
Tgt Ion:119 Resp: 428430

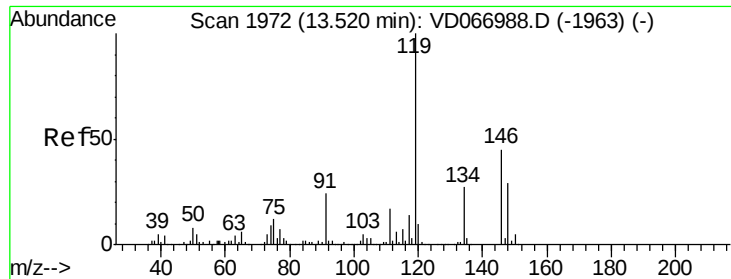
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.1

91 23.5 11.7 35.1





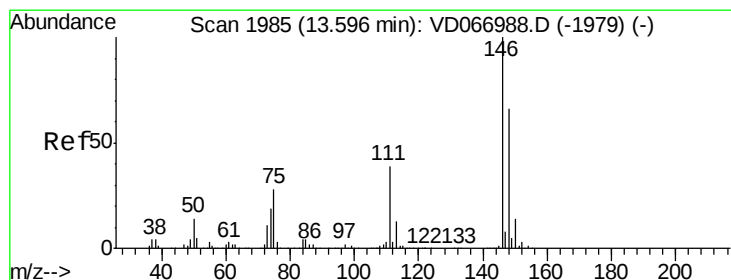
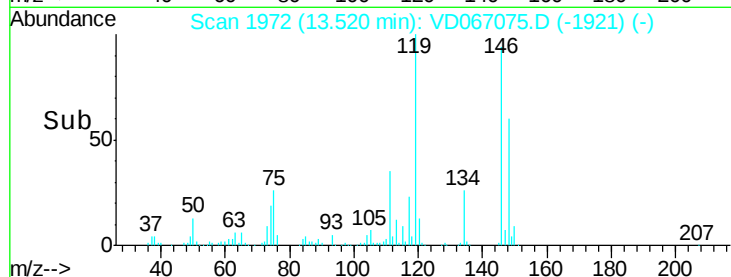
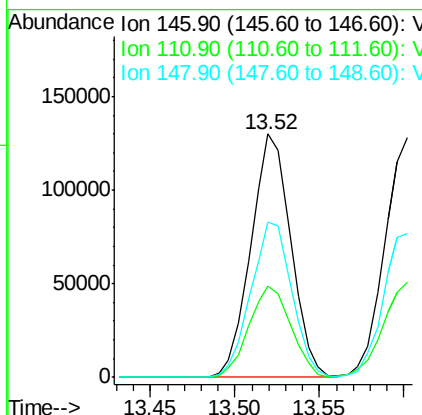
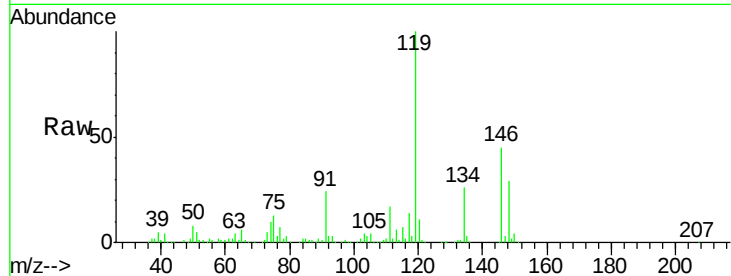
#87  
 1,3-Dichlorobenzene  
 Concen: 20.928 ug/l  
 RT: 13.52 min Scan# 1972  
 Delta R.T. -0.00 min  
 Lab File: VD067075.D  
 Acq: 05 Oct 2020 11:24

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1005SBS001

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 213403 |       |       |
| 111     | 39.2  | 20.0   | 60.0  |       |
| 148     | 65.3  | 31.9   | 95.9  |       |

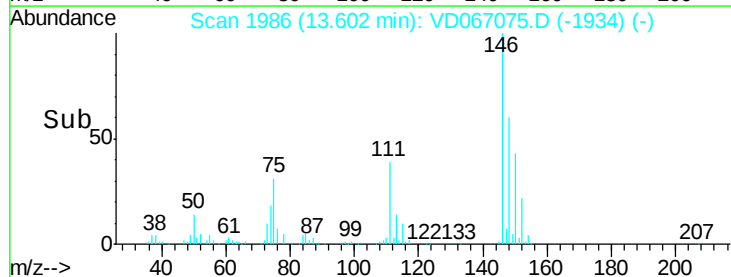
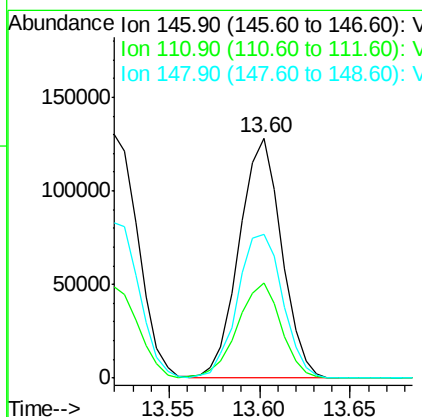
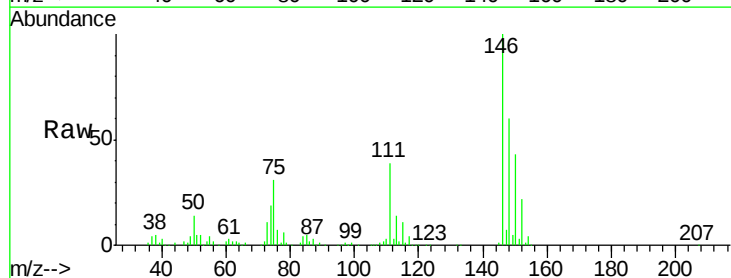
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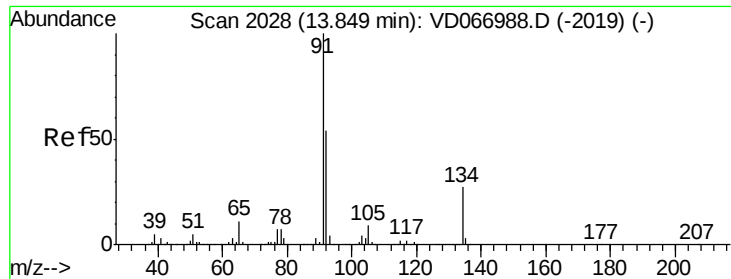
MMDadoda  
 10/6/2020 12:55:09 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 20.469 ug/l  
 RT: 13.60 min Scan# 1986  
 Delta R.T. 0.01 min  
 Lab File: VD067075.D  
 Acq: 05 Oct 2020 11:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 208704 |       |       |
| 111     | 41.0  | 19.6   | 58.7  |       |
| 148     | 64.3  | 32.6   | 97.7  |       |





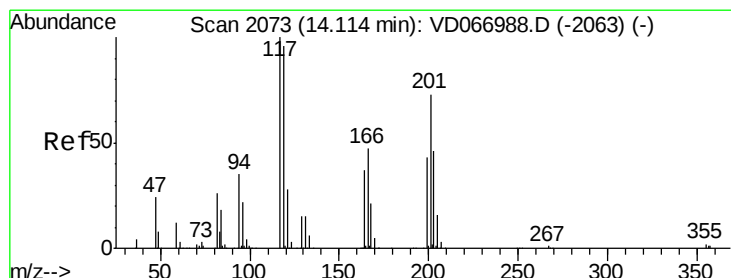
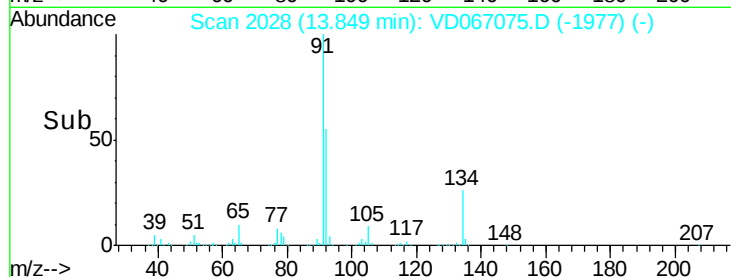
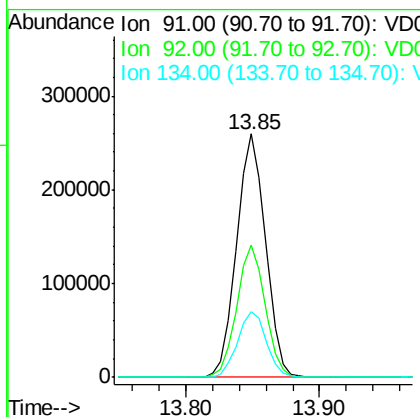
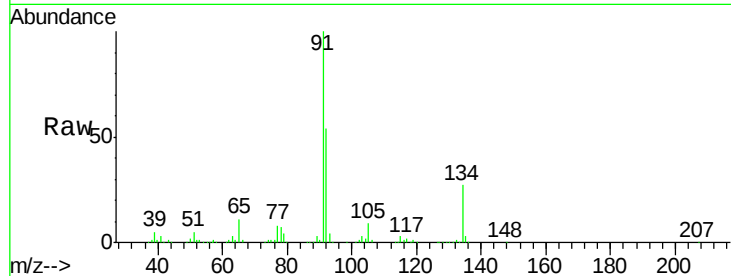
#89  
n-Butylbenzene  
Concen: 21.136 ug/l  
RT: 13.85 min Scan# 2028  
Delta R.T. -0.00 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1005SBS001

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 91      | 100   |      |       |       |
| 92      | 53.2  | 27.1 | 81.2  |       |
| 134     | 27.0  | 13.6 | 40.8  |       |

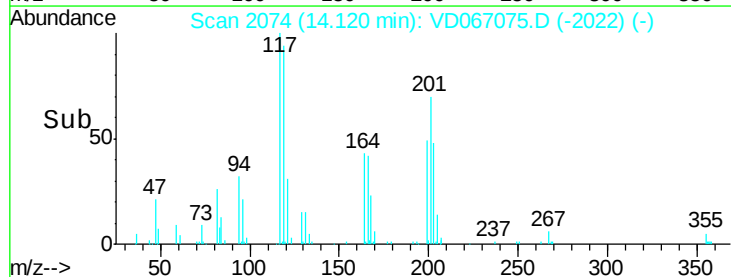
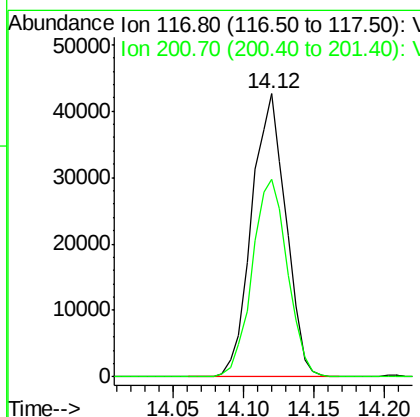
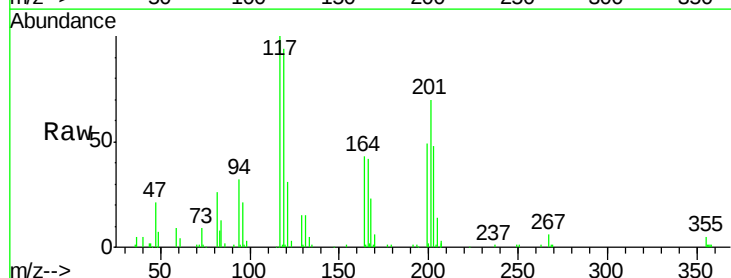
Manual Integrations  
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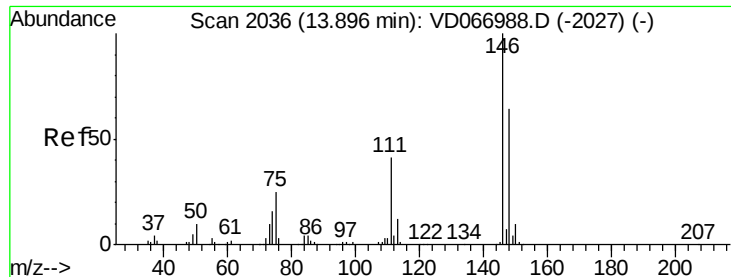
MMDadoda  
10/6/2020 12:55:09 PM



#90  
Hexachloroethane  
Concen: 20.563 ug/l  
RT: 14.12 min Scan# 2074  
Delta R.T. 0.01 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 201     | 72.0  | 37.0 | 110.9 |       |





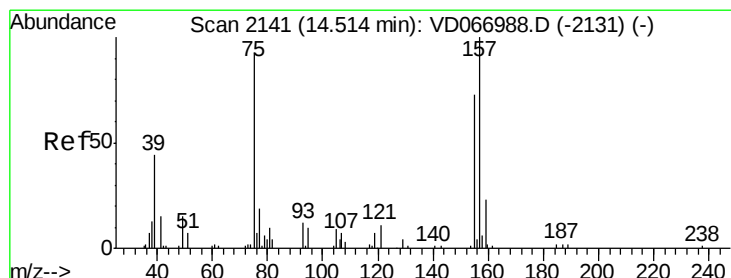
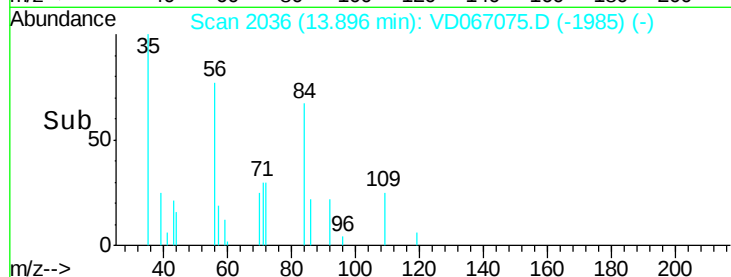
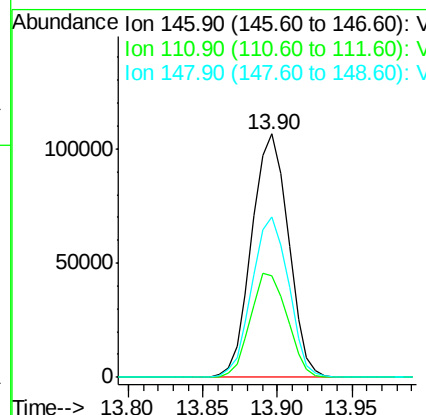
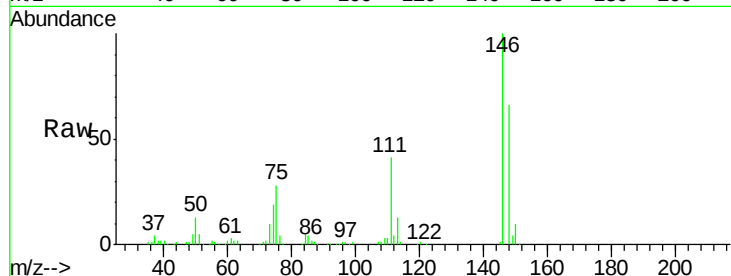
#91  
 1,2-Dichlorobenzene  
 Concen: 20.404 ug/l  
 RT: 13.90 min Scan# 2036  
 Delta R.T. -0.00 min  
 Lab File: VD067075.D  
 Acq: 05 Oct 2020 11:24

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1005SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.6  | 20.9  | 62.7  |
| 148     | 66.0  | 32.3  | 96.9  |

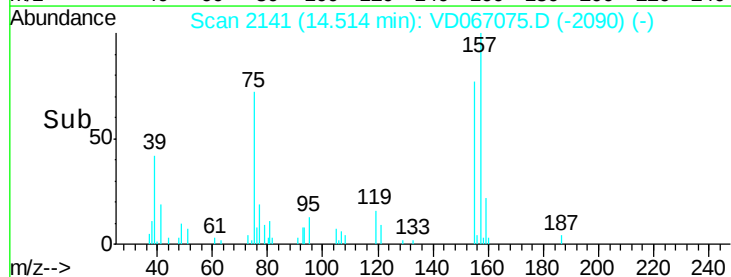
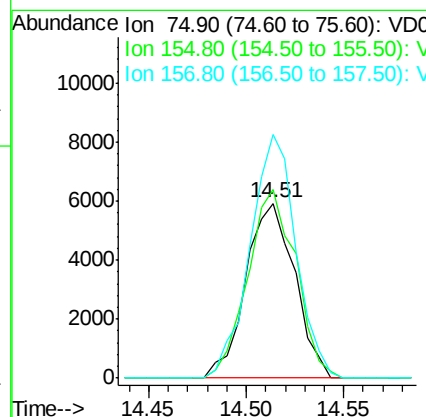
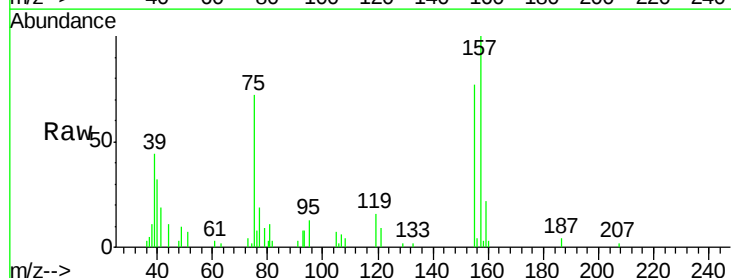
Manual Integrations  
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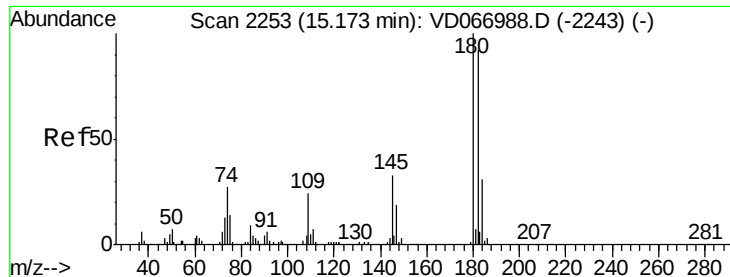
MMDadoda  
 10/6/2020 12:55:09 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 17.371 ug/l  
 RT: 14.51 min Scan# 2141  
 Delta R.T. -0.00 min  
 Lab File: VD067075.D  
 Acq: 05 Oct 2020 11:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 106.6 | 45.2  | 135.6 |
| 157     | 130.7 | 56.3  | 168.8 |





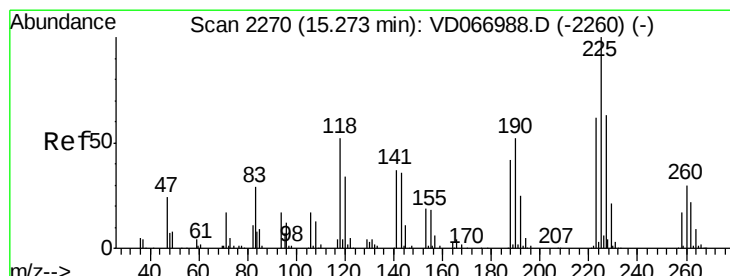
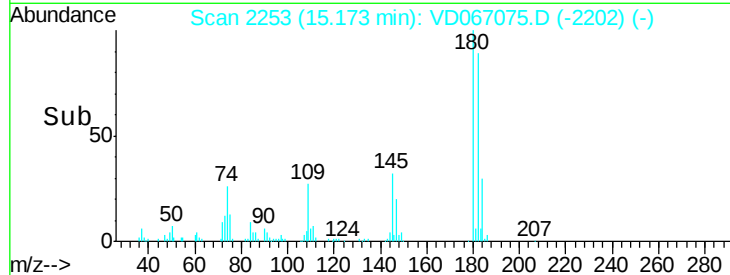
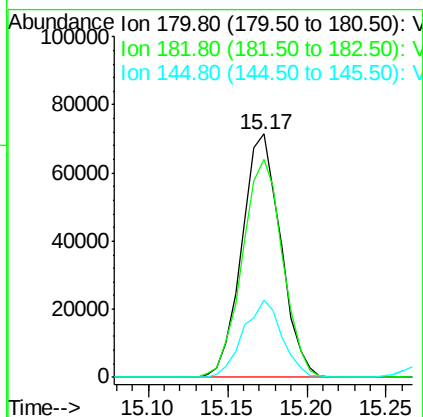
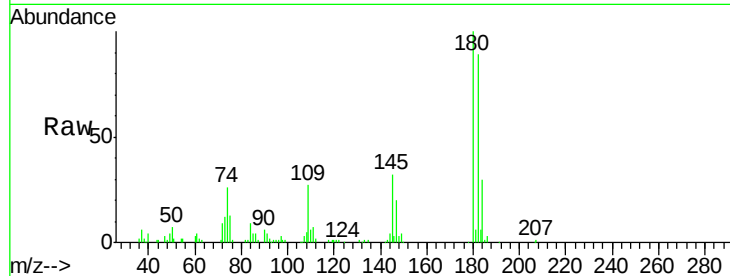
#93  
 1,2,4-Trichlorobenzene  
 Concen: 21.125 ug/l  
 RT: 15.17 min Scan# 2253  
 Delta R.T. -0.00 min  
 Lab File: VD067075.D  
 Acq: 05 Oct 2020 11:24

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1005SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 121691 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 93.0  | 47.3  | 142.0  |
| 145       | 31.6  | 16.4  | 49.1   |

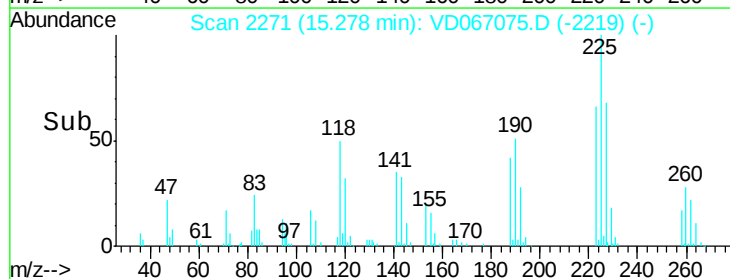
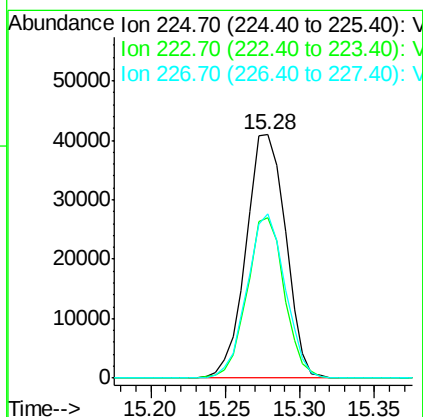
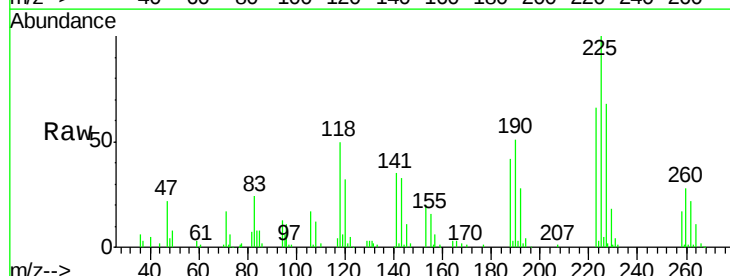
Manual Integrations  
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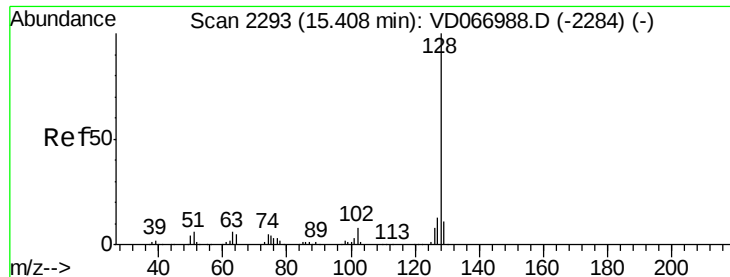
MMDadoda  
 10/6/2020 12:55:09 PM



#94  
 Hexachlorobutadiene  
 Concen: 21.258 ug/l  
 RT: 15.28 min Scan# 2271  
 Delta R.T. 0.01 min  
 Lab File: VD067075.D  
 Acq: 05 Oct 2020 11:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 75203 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 61.9  | 32.4  | 97.0  |
| 227       | 64.9  | 31.6  | 95.0  |





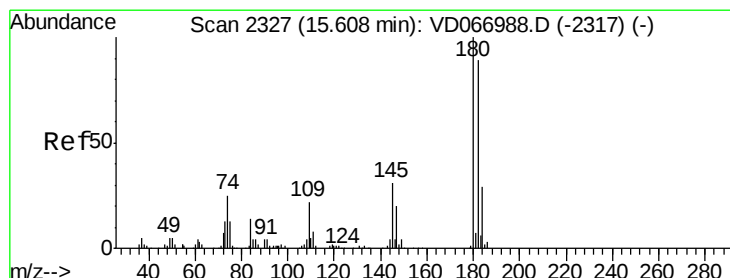
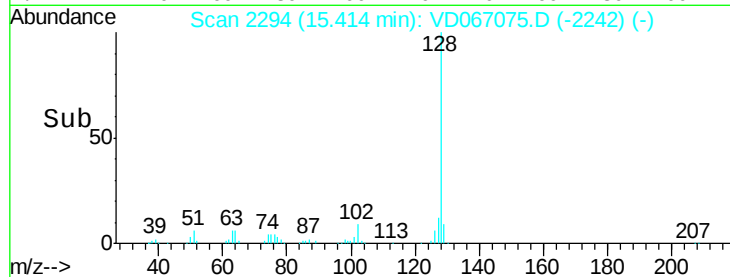
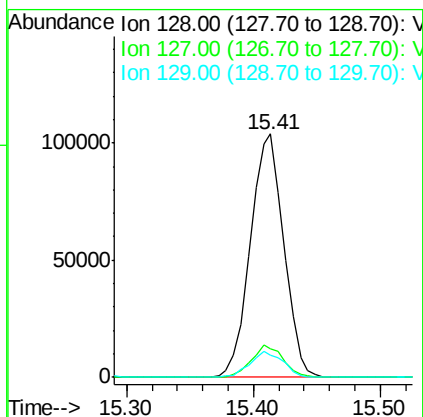
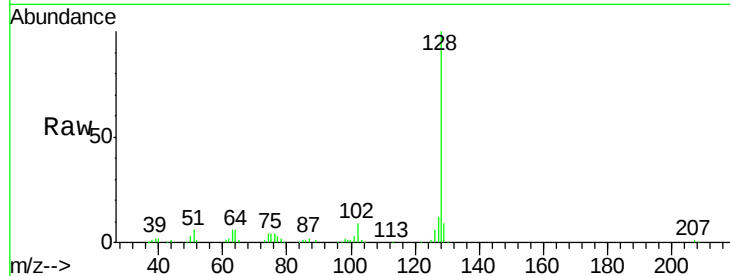
#95  
Naphthalene  
Concen: 19.823 ug/l  
RT: 15.41 min Scan# 2294  
Delta R.T. 0.01 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1005SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.8  | 10.3  | 15.5  |
| 129     | 10.7  | 8.6   | 13.0  |

Manual Integrations  
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10/6/2020 12:55:09 PM



#96  
1,2,3-Trichlorobenzene  
Concen: 20.698 ug/l  
RT: 15.60 min Scan# 2326  
Delta R.T. -0.01 min  
Lab File: VD067075.D  
Acq: 05 Oct 2020 11:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.2  | 46.4  | 139.1 |
| 145     | 33.1  | 16.6  | 49.7  |

