

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100520\  
 Data File : VD067081.D  
 Acq On : 05 Oct 2020 14:07  
 Operator : VA/SY  
 Sample : L4247-03MSD  
 Misc : 5.09G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-18(0-1)MSD

Manual Integrations  
 APPROVED

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

Quant Time: Oct 06 07:43:30 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  | 390009   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 636410   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 494197   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 143078   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.33   | 65  | 205382   | 54.67 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 109.34% |      |
| 35) Dibromofluoromethane  | 7.92   | 113 | 221362   | 53.13 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.26% |      |
| 50) Toluene-d8            | 10.34  | 98  | 704825   | 46.42 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.84%  |      |
| 62) 4-Bromofluorobenzene  | 12.63  | 95  | 189764   | 36.82 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 73.64%  |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 174837  | 56.311  | ug/l | 95     |
| 3) Chloromethane              | 2.21 | 50  | 168260  | 54.173  | ug/l | 96     |
| 4) Vinyl Chloride             | 2.35 | 62  | 168832  | 54.211  | ug/l | 99     |
| 5) Bromomethane               | 2.77 | 94  | 118895  | 60.103  | ug/l | 99     |
| 6) Chloroethane               | 2.92 | 64  | 98577   | 51.975  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 3.28 | 101 | 323714  | 46.784  | ug/l | 98     |
| 8) Diethyl Ether              | 3.71 | 74  | 104848  | 61.106  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.09 | 101 | 159296  | 40.731  | ug/l | 99     |
| 10) Methyl Iodide             | 4.30 | 142 | 216802  | 57.053  | ug/l | 100    |
| 11) Tert butyl alcohol        | 5.22 | 59  | 58649   | 270.351 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 4.07 | 96  | 187295  | 50.944  | ug/l | 97     |
| 13) Acrolein                  | 3.92 | 56  | 58260   | 231.616 | ug/l | 99     |
| 14) Allyl chloride            | 4.71 | 41  | 264847  | 55.452  | ug/l | 98     |
| 15) Acrylonitrile             | 5.43 | 53  | 194874  | 308.587 | ug/l | 97     |
| 16) Acetone                   | 4.16 | 43  | 189852  | 331.076 | ug/l | 93     |
| 17) Carbon Disulfide          | 4.41 | 76  | 549117  | 48.668  | ug/l | 98     |
| 18) Methyl Acetate            | 4.71 | 43  | 154469  | 107.177 | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.48 | 73  | 414156  | 61.708  | ug/l | 99     |
| 20) Methylene Chloride        | 4.97 | 84  | 240131  | 60.545  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96  | 224512  | 53.659  | ug/l | 95     |
| 22) Diisopropyl ether         | 6.36 | 45  | 525210  | 60.234  | ug/l | 98     |
| 23) Vinyl Acetate             | 6.31 | 43  | 1284629 | 259.993 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 6.27 | 63  | 363183  | 53.971  | ug/l | 99     |
| 25) 2-Butanone                | 7.21 | 43  | 237819  | 292.519 | ug/l | 93     |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 301820  | 52.673  | ug/l | 97     |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 245623  | 54.967  | ug/l | 99     |
| 28) Bromochloromethane        | 7.55 | 49  | 150336  | 57.849  | ug/l | 97     |
| 29) Tetrahydrofuran           | 7.56 | 42  | 144701  | 309.540 | ug/l | 98     |
| 30) Chloroform                | 7.71 | 83  | 388993  | 53.288  | ug/l | 99     |
| 31) Cyclohexane               | 7.99 | 56  | 163673  | 29.012  | ug/l | 93     |
| 32) 1,1,1-Trichloroethane     | 7.90 | 97  | 324077  | 47.904  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 249584  | 42.074  | ug/l | 99     |
| 37) Ethyl Acetate             | 7.29 | 43  | 104567  | 50.884  | ug/l | 97     |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 268249  | 41.794  | ug/l | 96     |

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 Misc : 5.09G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 B-18(0-1)MSD

Manual Integrations  
 APPROVED

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

Quant Time: Oct 06 07:43:30 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   | 160415   | 25.578   | ug/l   | 98       |
| 40) Benzene                    | 8.35  | 78   | 813351   | 49.364   | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.53  | 41   | 67446    | 60.750   | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 243525   | 52.893   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.45  | 43   | 206750   | 54.612   | ug/l   | 99       |
| 44) Trichloroethene            | 9.11  | 130  | 221026   | 44.923   | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.38  | 63   | 199898   | 51.635   | ug/l   | 100      |
| 46) Dibromomethane             | 9.47  | 93   | 116482   | 52.350   | ug/l   | 95       |
| 47) Bromodichloromethane       | 9.66  | 83   | 293066   | 50.669   | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.46  | 41   | 116407   | 60.019   | ug/l   | 91       |
| 49) 1,4-Dioxane                | 9.46  | 88   | 26225    | 1129.285 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 552108   | 292.787  | ug/l   | 99       |
| 52) Toluene                    | 10.40 | 92   | 484600   | 45.658   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.62 | 75   | 268859   | 52.011   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.08 | 75   | 326744   | 51.763   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 200336   | 64.760   | ug/l   | 95       |
| 56) Ethyl methacrylate         | 10.66 | 69   | 208365   | 65.239   | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.94 | 76   | 268360   | 53.496   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 567749   | 319.380  | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.98 | 43   | 411725   | 327.131  | ug/l   | 98       |
| 60) Dibromochloromethane       | 11.14 | 129  | 202888   | 49.207   | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 157530   | 53.004   | ug/l   | 96       |
| 64) Tetrachloroethene          | 10.87 | 164  | 141170   | 39.292   | ug/l   | 95       |
| 65) Chlorobenzene              | 11.67 | 112  | 470613   | 47.880   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 190169   | 50.864   | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.74 | 91   | 725862   | 43.101   | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.86 | 106  | 538677   | 82.076   | ug/l   | 99       |
| 69) o-Xylene                   | 12.18 | 106  | 317115   | 54.031   | ug/l   | 99       |
| 70) Styrene                    | 12.20 | 104  | 466996   | 46.337   | ug/l   | 98       |
| 71) Bromoform                  | 12.36 | 173  | 107095   | 55.182   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.48 | 105  | 492696   | 50.714   | ug/l   | 98       |
| 74) N-amyl acetate             | 12.29 | 43   | 211176   | 120.916  | ug/l # | 89       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.73 | 83   | 145800   | 89.072   | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane     | 12.78 | 75   | 105304m  | 84.496   | ug/l   |          |
| 77) Bromobenzene               | 12.76 | 156  | 171304   | 73.024   | ug/l   | 96       |
| 78) n-propylbenzene            | 12.83 | 91   | 461773   | 40.218   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 407724   | 62.066   | ug/l   | 92       |
| 80) 1,3,5-Trimethylbenzene     | 12.96 | 105  | 768709   | 93.651   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.53 | 75   | 52634    | 105.294  | ug/l   | 93       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 370026   | 52.942   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.23 | 119  | 263618   | 38.139   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 562142   | 68.625   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.41 | 105  | 290351   | 29.829   | ug/l   | 97       |
| 86) p-Isopropyltoluene         | 13.52 | 119  | 342869   | 37.993   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.52 | 146  | 201983   | 44.204   | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 208756   | 45.691   | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.85 | 91   | 163475   | 19.821   | ug/l # | 75       |
| 90) Hexachloroethane           | 14.12 | 117  | 75317    | 47.645   | ug/l   | 59       |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 186714   | 46.789   | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51 | 75   | 24869    | 94.250   | ug/l   | 95       |

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Misc : 5.09G/5.00ml/MSVOA D/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)MSD

Manual Integrations  
APPROVED

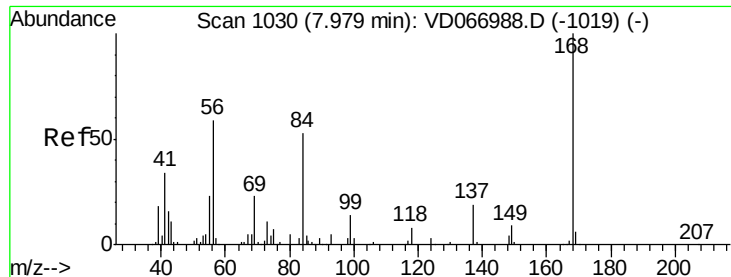
MMDadoda  
10/6/2020 12:55:12 PM

Quant Time: Oct 06 07:43:30 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  | 52788    | 20.451  | ug/l # | 64       |
| 94) Hexachlorobutadiene    | 15.28 | 225  | 12465    | 7.863   | ug/l   | 96       |
| 95) Naphthalene            | 15.41 | 128  | 459890   | 106.817 | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.60 | 180  | 44535    | 19.875  | ug/l # | 53       |

(#) = 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: VD067081.D

Acq: 05 Oct 2020 14:07

Instrument :

MSVOA\_D

ClientSampleId :

B-18(0-1)MSD

Tot Ion:168 Resp: 390009

Ion Ratio Lower Upper

168 100

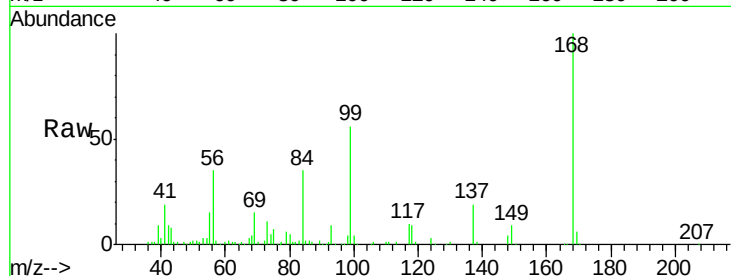
99 55.4 44.1 66.1

Manual Integrations

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10/6/2020 12:55:12 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

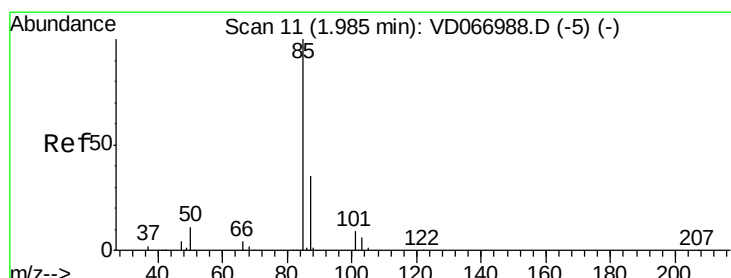
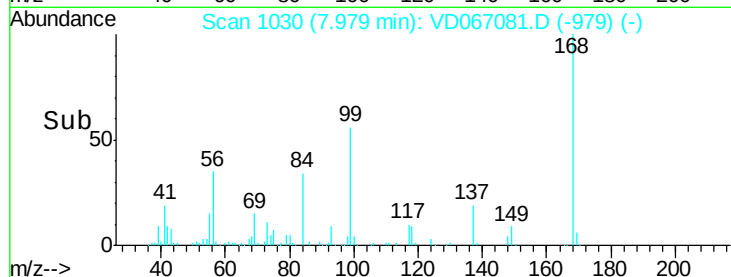
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 56.311 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067081.D

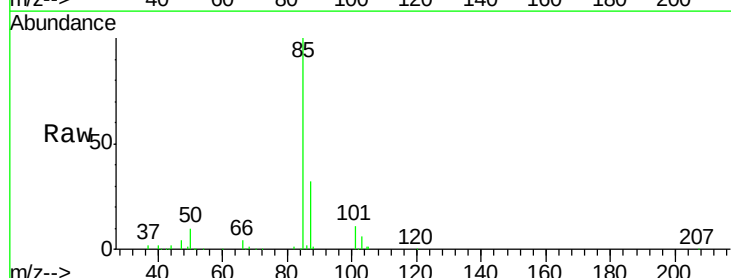
Acq: 05 Oct 2020 14:07

Tgt Ion: 85 Resp: 174837

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

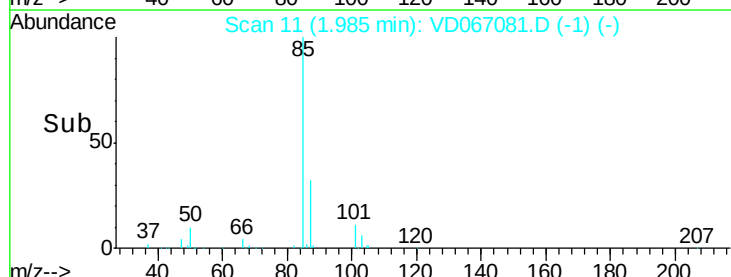
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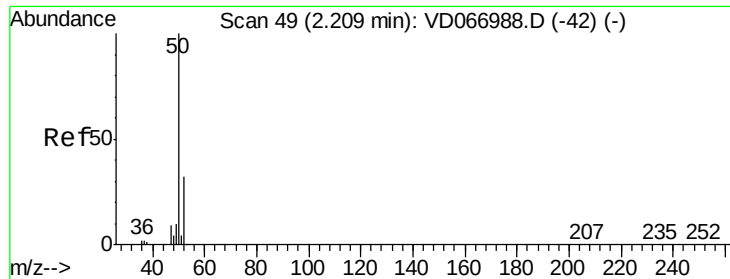
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50000

0

Time-->





#3

Chloromethane

Concen: 54.173 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

Instrument :

MSVOA\_D

ClientSampleId :

B-18(0-1)MSD

Tot Ion: 50 Resp: 168260

Ion Ratio Lower Upper

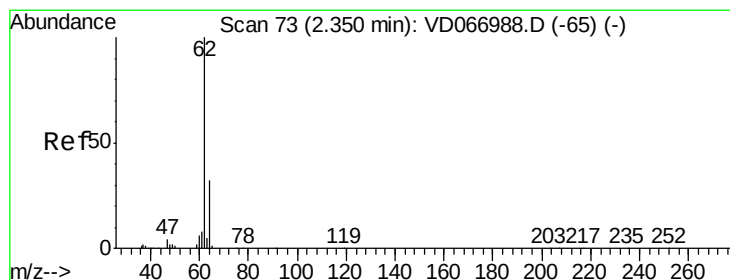
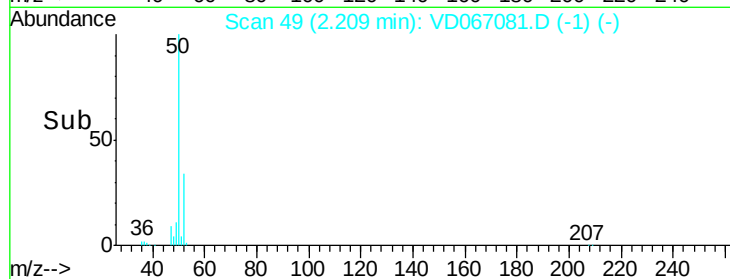
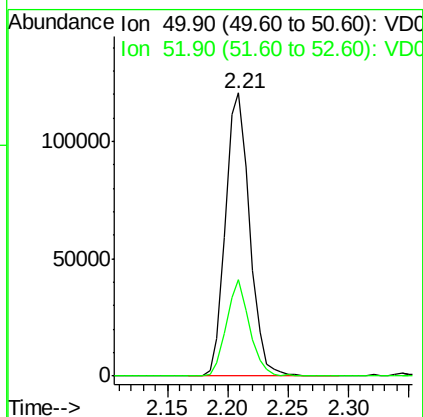
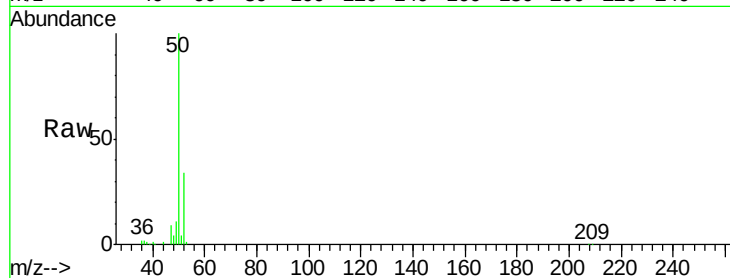
50 100

52 33.9 25.3 37.9

Manual Integrations  
APPROVED

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10/6/2020 12:55:12 PM



#4

Vinyl Chloride

Concen: 54.211 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067081.D

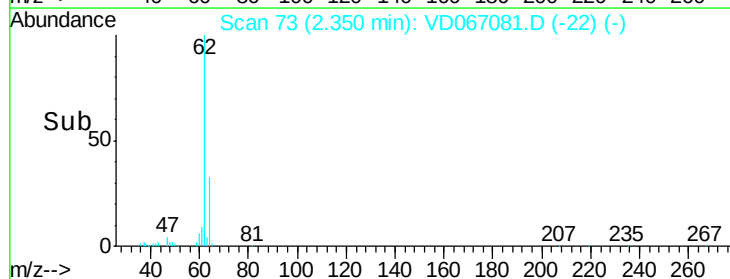
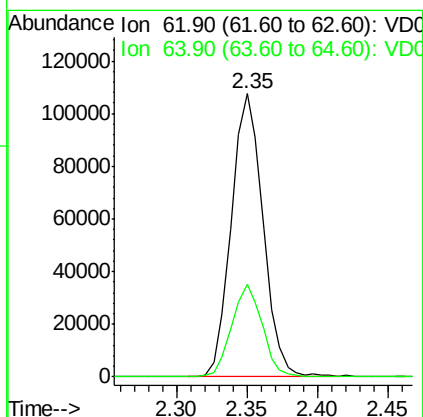
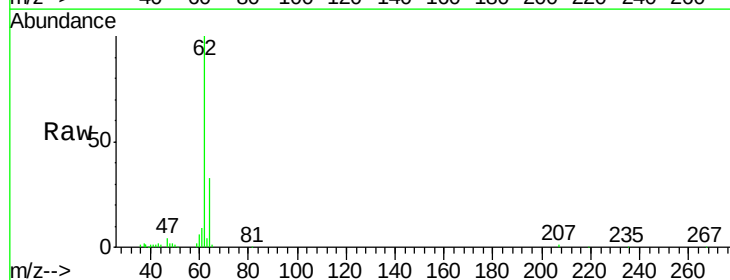
Acq: 05 Oct 2020 14:07

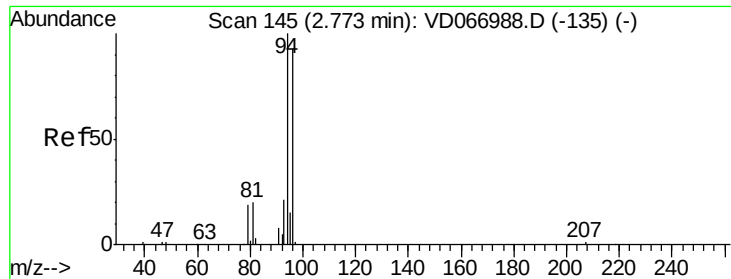
Tgt Ion: 62 Resp: 168832

Ion Ratio Lower Upper

62 100

64 32.7 25.8 38.8





#5

Bromomethane

Concen: 60.103 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

Instrument :

MSVOA\_D

ClientSampleId :

B-18(0-1)MSD

Tot Ion: 94 Resp: 118895

Ion Ratio Lower Upper

94 100

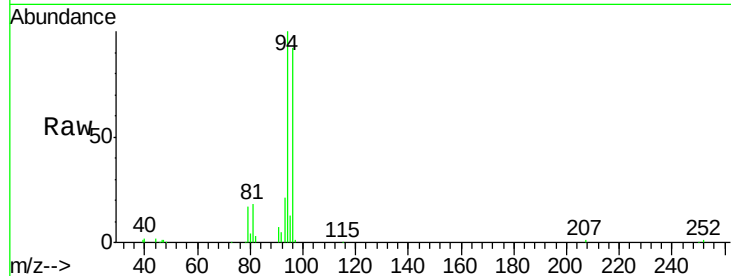
96 92.2 74.6 112.0

Manual Integrations

APPROVED

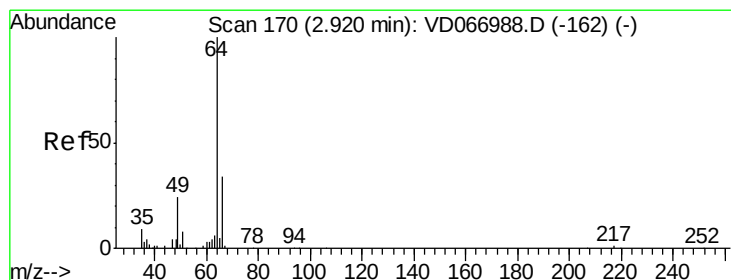
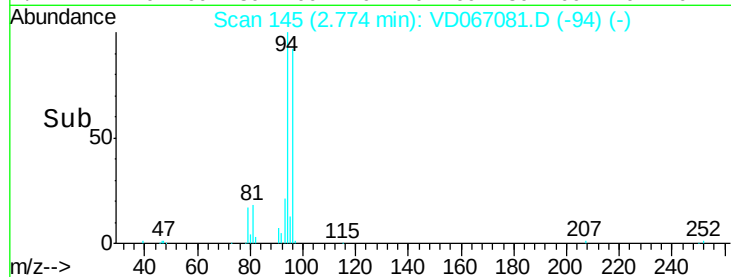
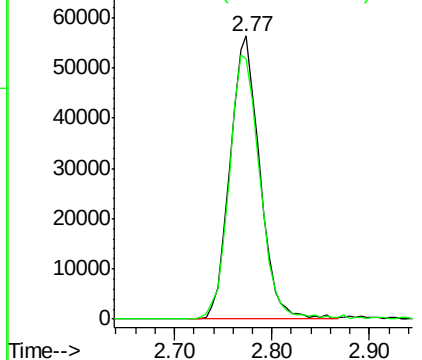
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10/6/2020 12:55:12 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 51.975 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067081.D

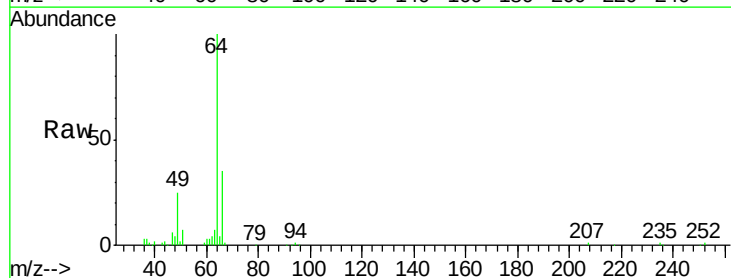
Acq: 05 Oct 2020 14:07

Tgt Ion: 64 Resp: 98577

Ion Ratio Lower Upper

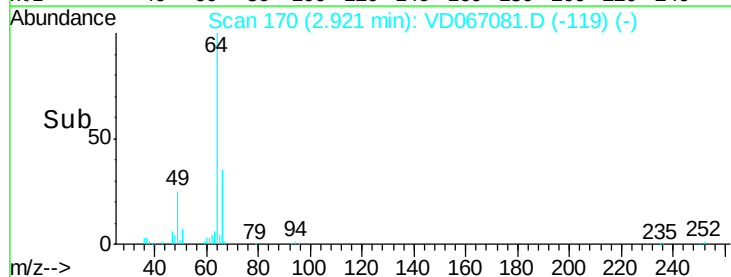
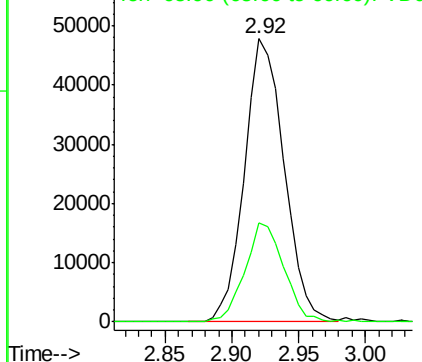
64 100

66 35.0 27.0 40.6

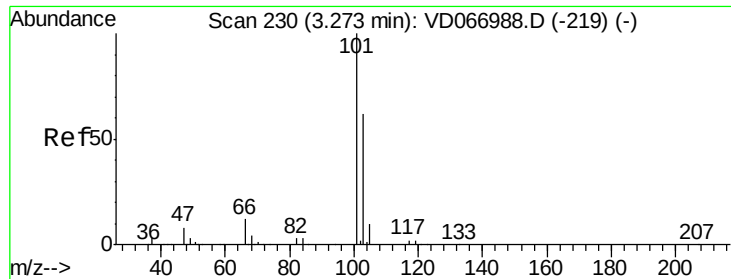


Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC







#7

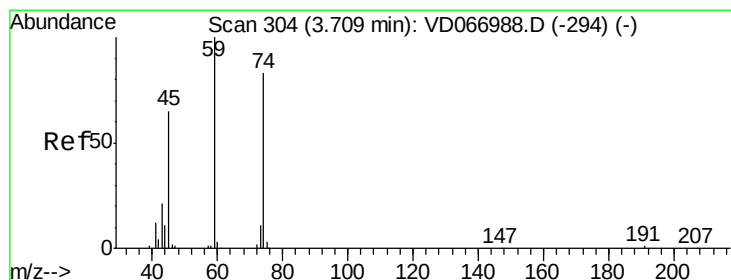
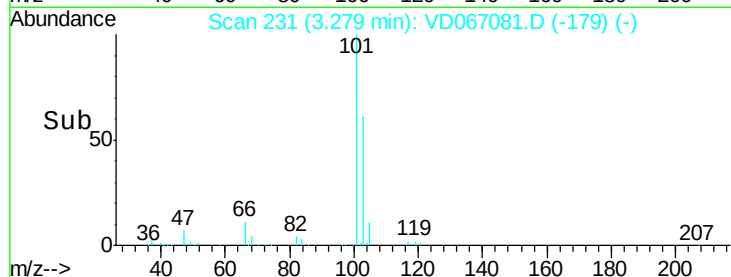
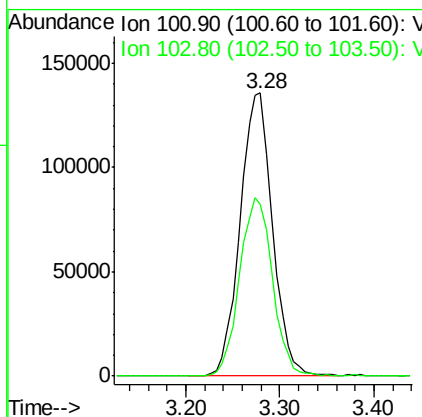
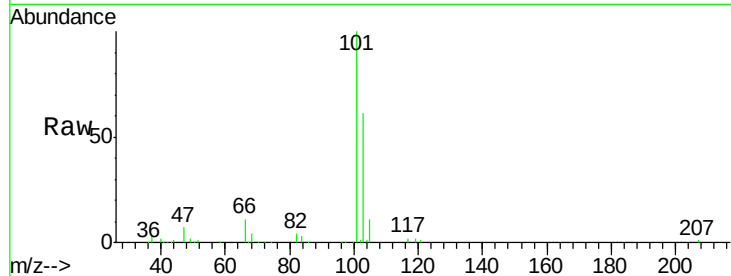
Trichlorofluoromethane  
Concen: 46.784 ug/l  
RT: 3.28 min Scan# 231  
Delta R.T. 0.01 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 60.9  | 49.8  | 74.8  |

Manual Integrations  
APPROVED

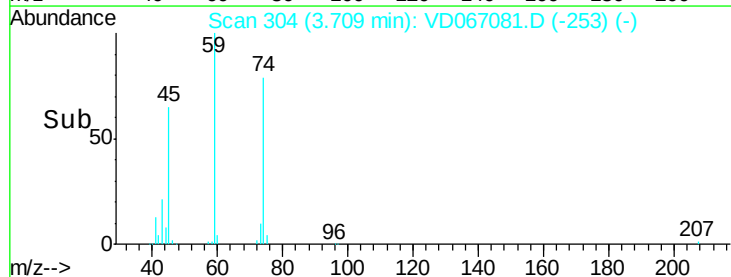
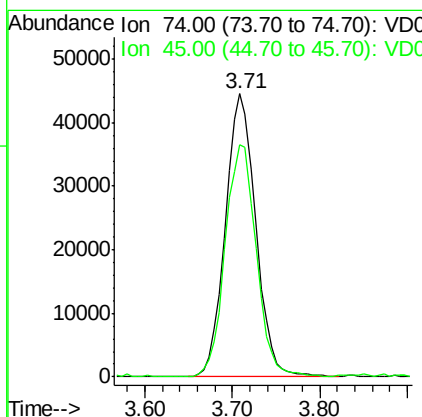
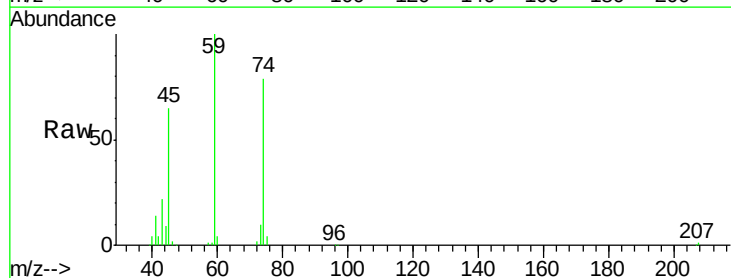
MMDadoda  
10/6/2020 12:55:12 PM



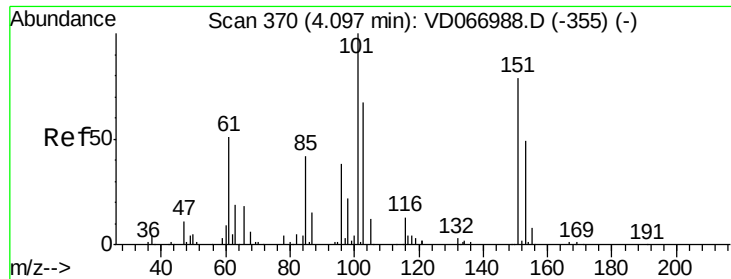
#8

Diethyl Ether  
Concen: 61.106 ug/l  
RT: 3.71 min Scan# 304  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 84.2  | 43.1  | 129.3 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.731 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

Instrument :

MSVOA\_D

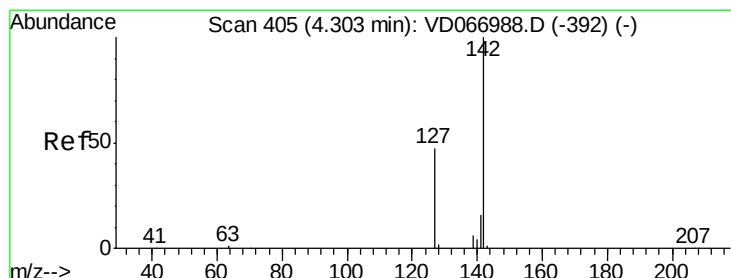
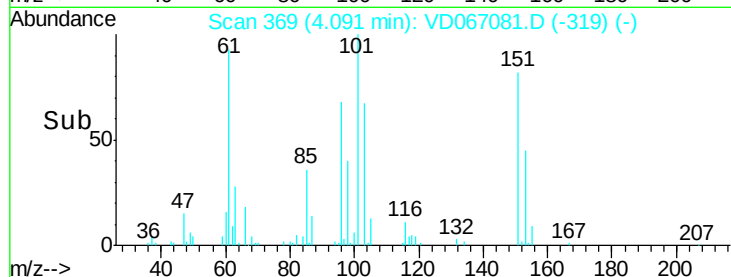
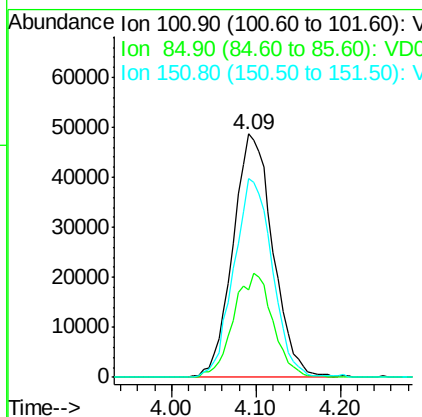
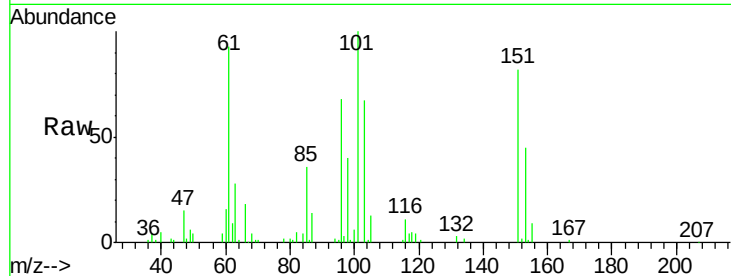
ClientSampleId :

B-18(0-1)MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 159296 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 42.1  | 33.8  | 50.8   |
| 151       | 79.1  | 63.8  | 95.8   |

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#10

Methyl Iodide

Concen: 57.053 ug/l

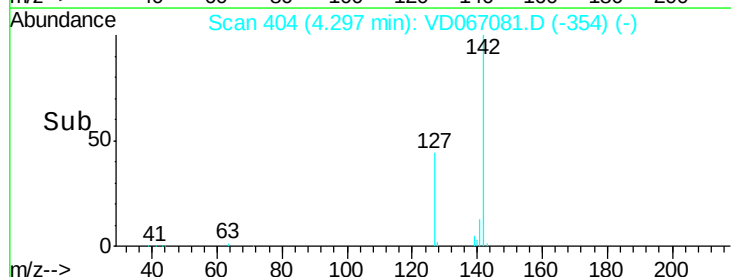
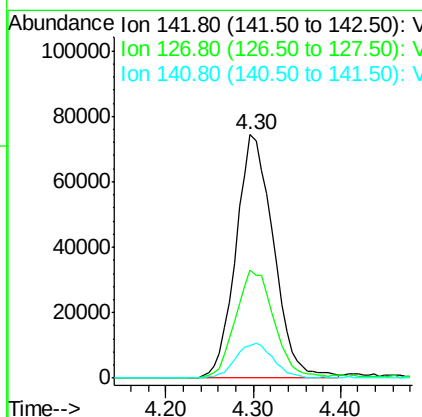
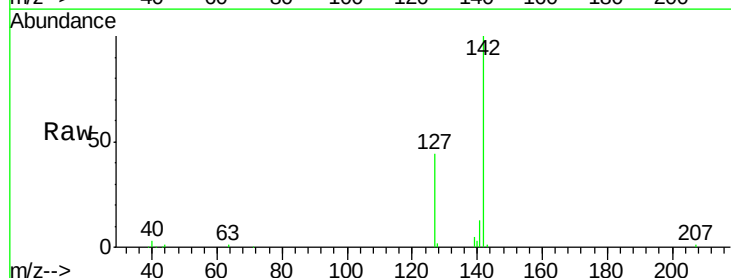
RT: 4.30 min Scan# 404

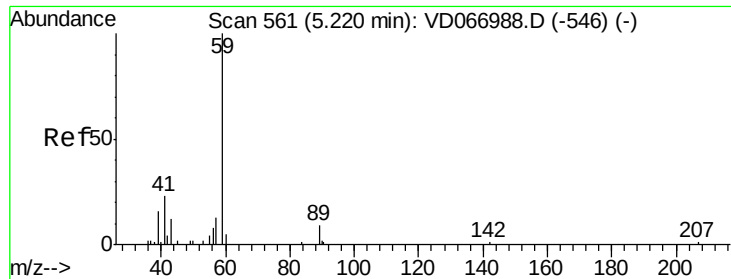
Delta R.T. -0.01 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 216802 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 45.6  | 36.3  | 54.5   |
| 141       | 14.5  | 12.0  | 18.0   |





#11

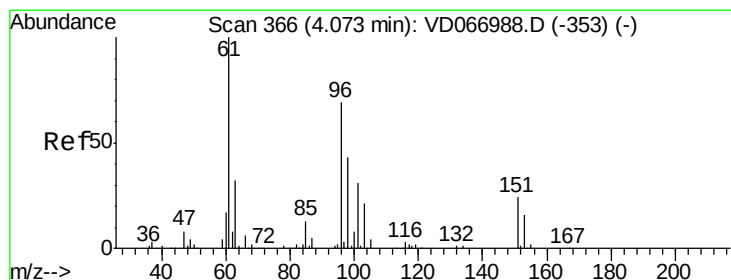
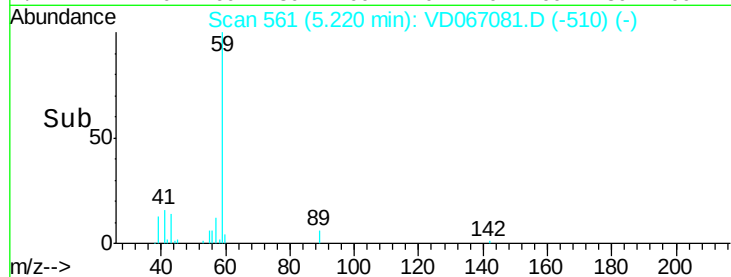
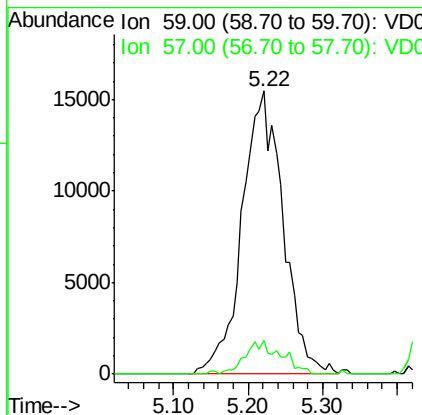
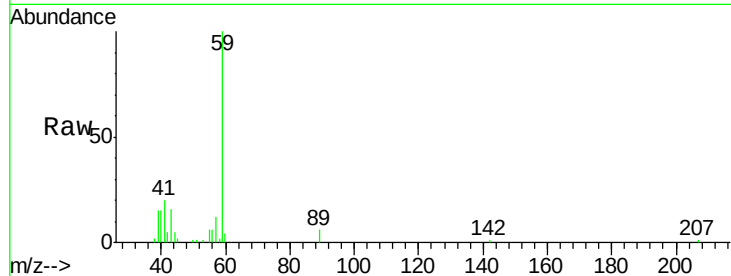
Tert butyl alcohol  
Concen: 270.351 ug/l  
RT: 5.22 min Scan# 561  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)MSD

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 59      | 100   | 58649 |       |       |
| 57      | 10.3  |       | 8.2   | 12.4  |

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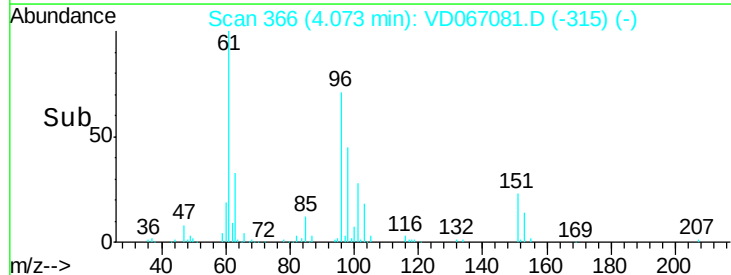
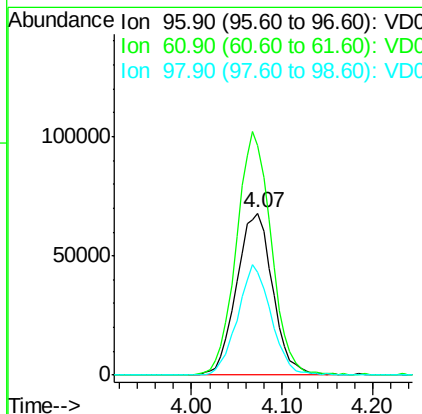
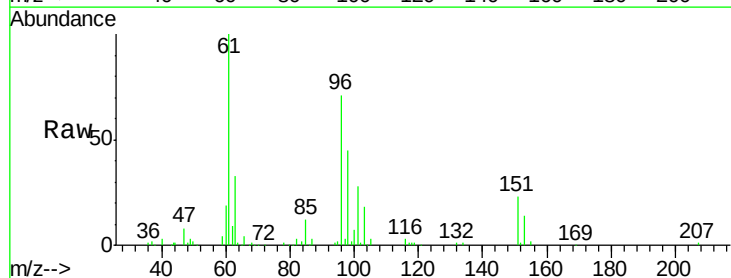
MMDadoda  
10/6/2020 12:55:12 PM

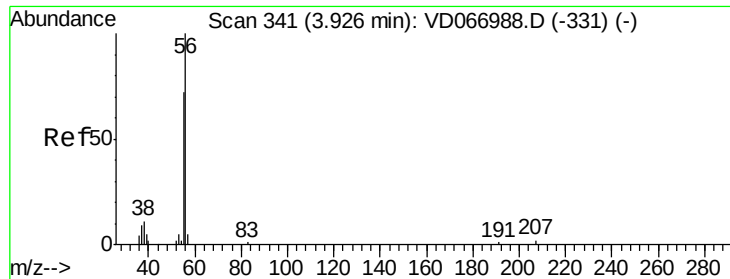


#12

1,1-Dichloroethene  
Concen: 50.944 ug/l  
RT: 4.07 min Scan# 366  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 187295 |       |       |
| 61      | 141.8 |        | 116.4 | 174.6 |
| 98      | 63.7  |        | 49.9  | 74.9  |





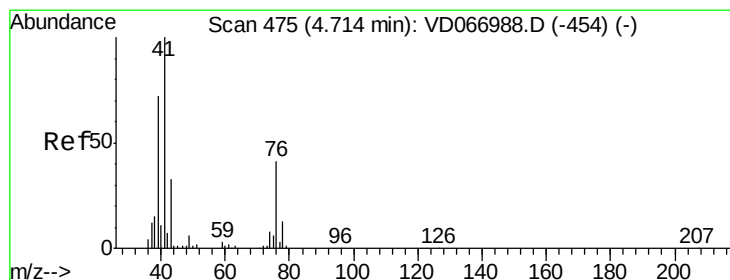
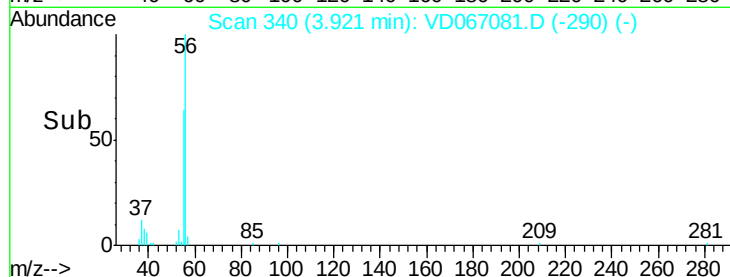
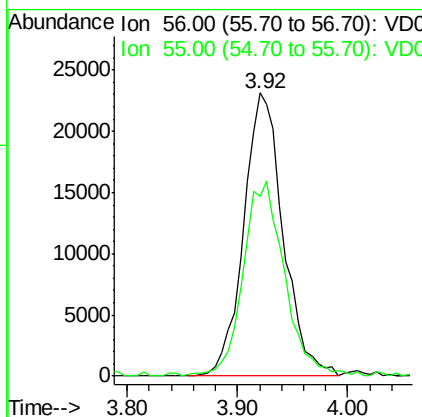
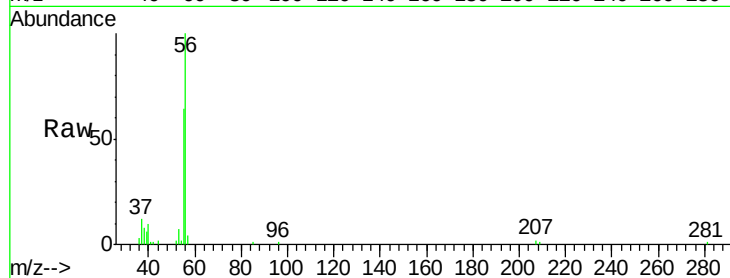
#13  
Acrolein  
Concen: 231.616 ug/l  
RT: 3.92 min Scan# 340  
Delta R.T. -0.01 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)MSD

| Tot Ion   | 56   | Resp  | 58260 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 55        | 72.2 | 56.9  | 85.3  |

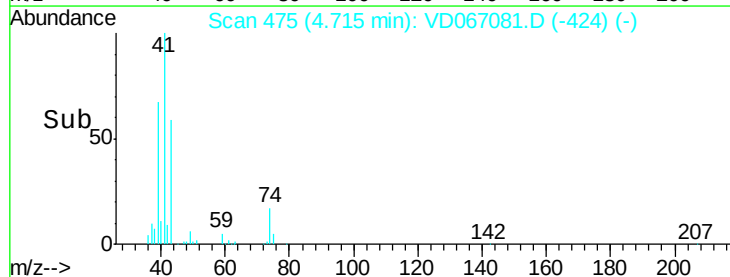
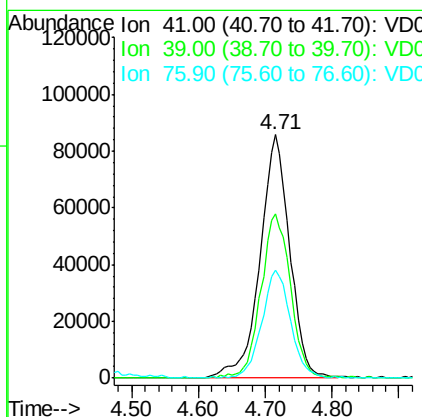
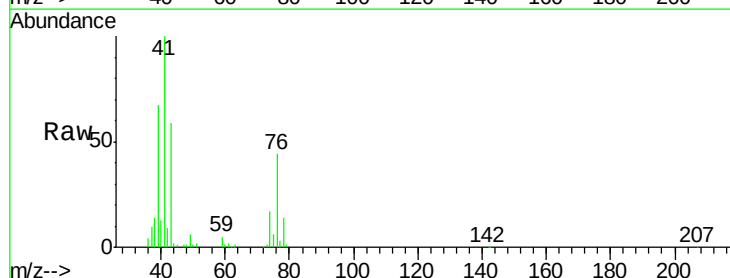
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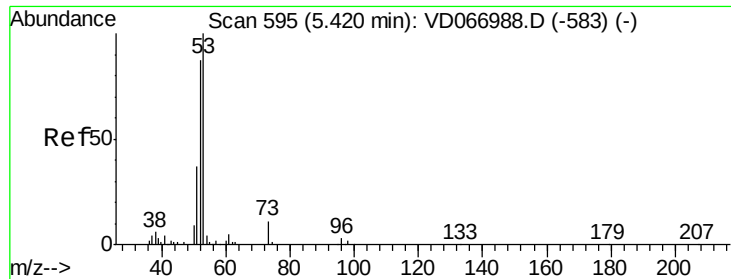
MMDadoda  
10/6/2020 12:55:12 PM



#14  
Allyl chloride  
Concen: 55.452 ug/l  
RT: 4.71 min Scan# 475  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

| Tgt Ion   | 41   | Resp  | 264847 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 39        | 67.6 | 56.2  | 84.2   |
| 76        | 42.9 | 34.2  | 51.2   |





#15

Acrylonitrile

Concen: 308.587 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

Instrument :

MSVOA\_D

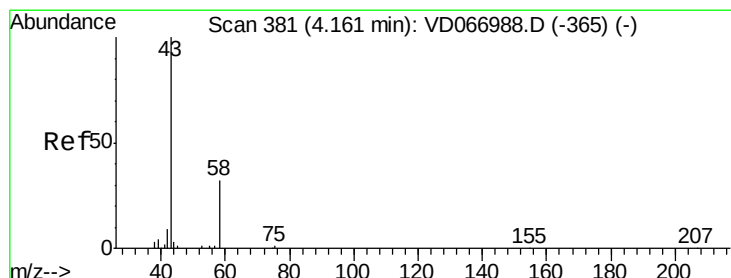
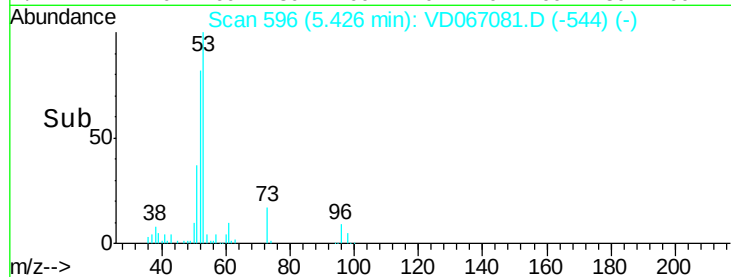
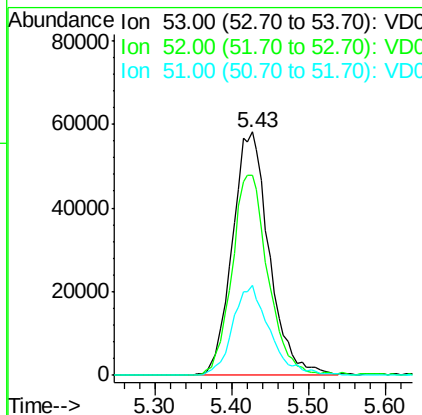
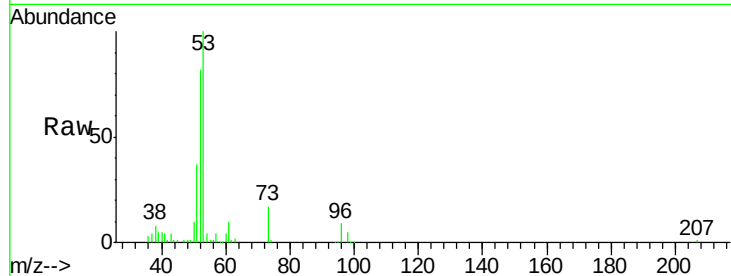
ClientSampleId :

B-18(0-1)MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 194874 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 80.1  | 67.3  | 100.9  |
| 51       | 37.1  | 30.2  | 45.2   |

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10/6/2020 12:55:12 PM



#16

Acetone

Concen: 331.076 ug/l

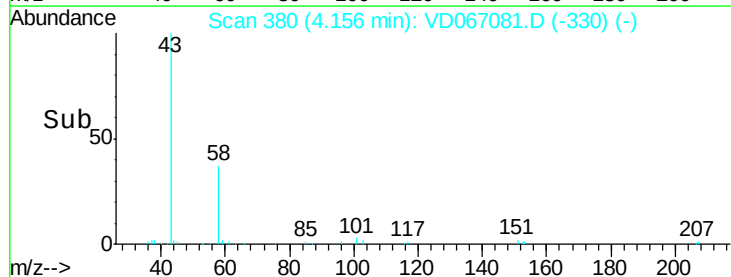
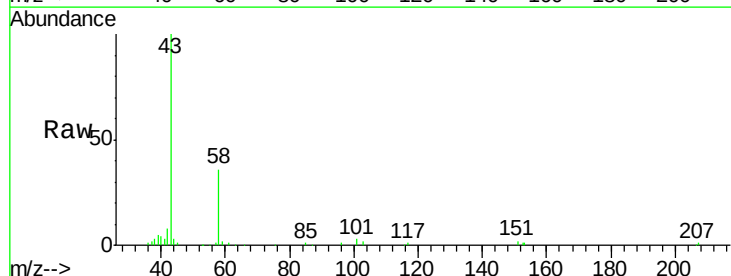
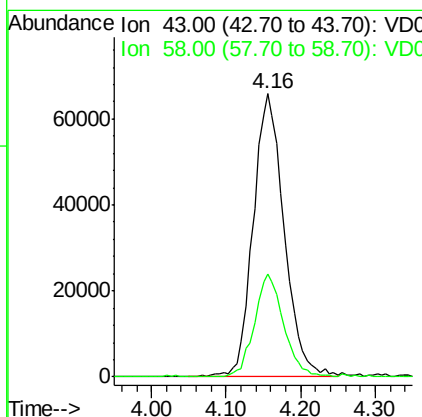
RT: 4.16 min Scan# 380

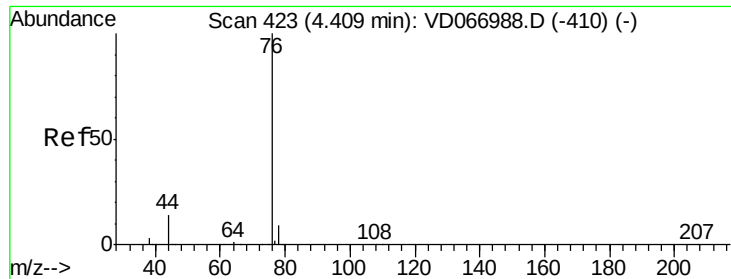
Delta R.T. -0.01 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 189852 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 36.4  | 25.9  | 38.9   |





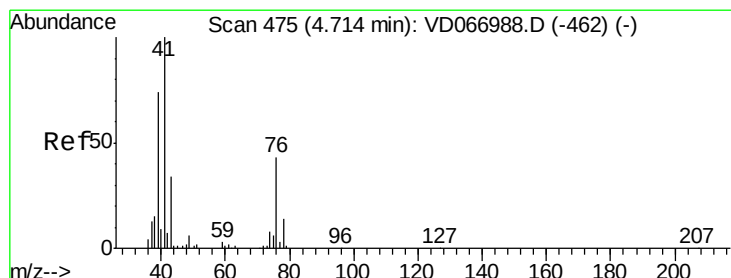
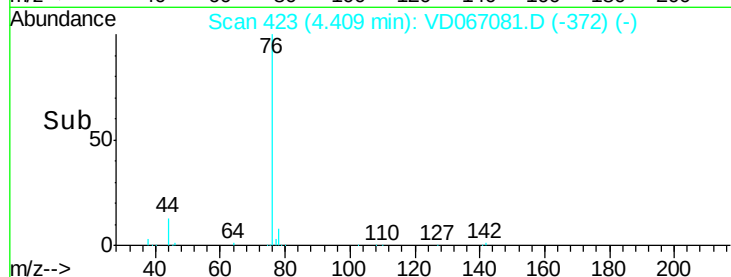
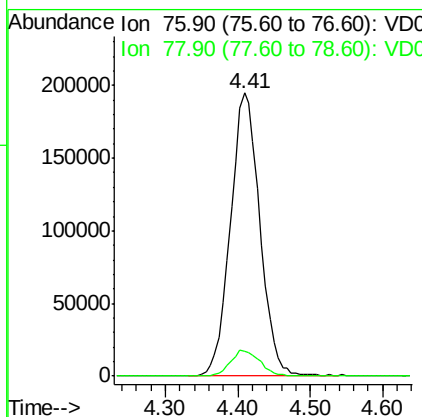
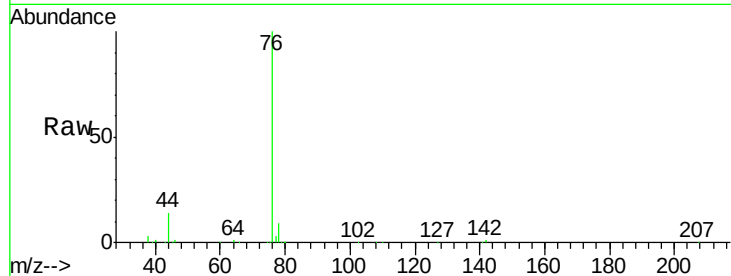
#17  
Carbon Disulfide  
Concen: 48.668 ug/l  
RT: 4.41 min Scan# 423  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.6   | 7.5   | 11.3  |

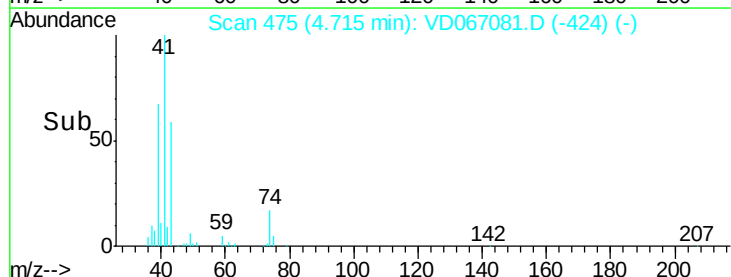
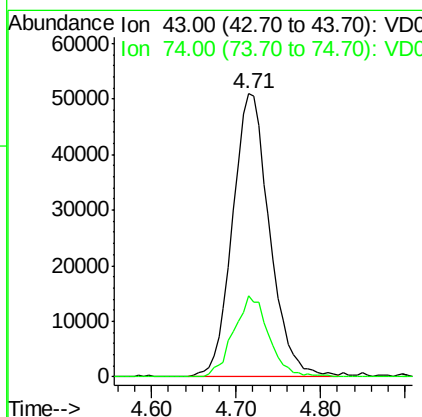
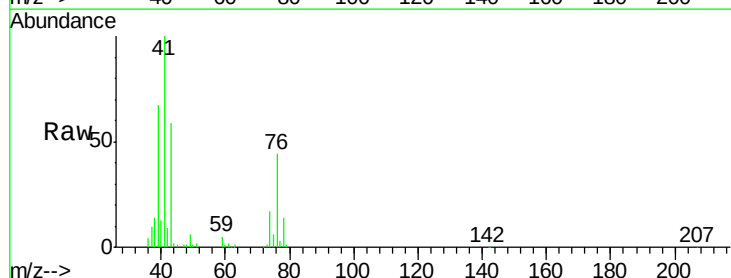
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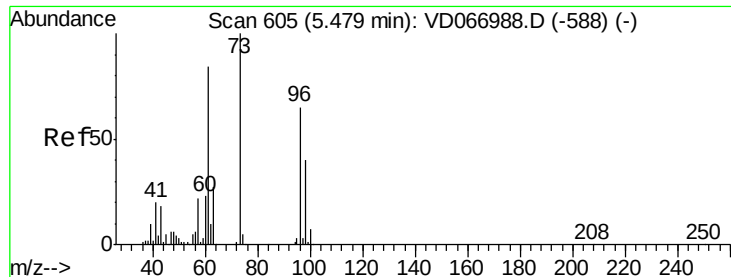
MMDadoda  
10/6/2020 12:55:12 PM



#18  
Methyl Acetate  
Concen: 107.177 ug/l  
RT: 4.71 min Scan# 475  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 27.2  | 21.5  | 32.3  |





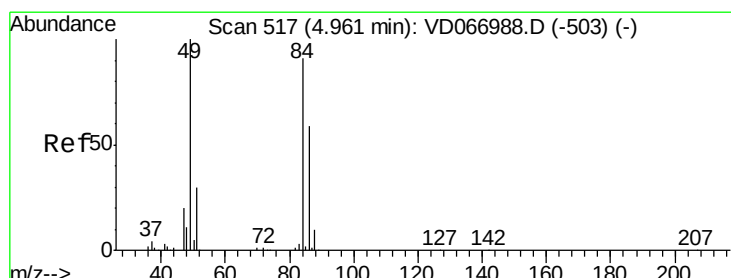
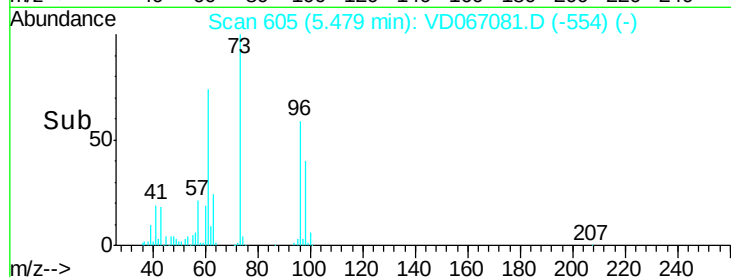
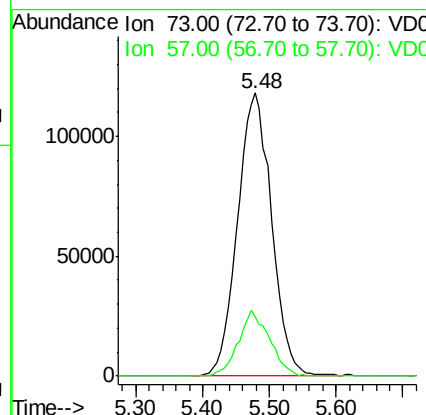
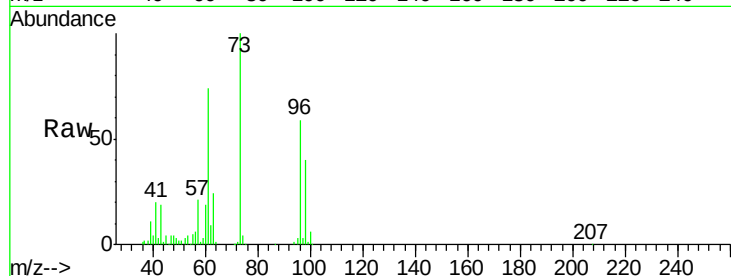
#19  
Methyl tert-butyl Ether  
Concen: 61.708 ug/l  
RT: 5.48 min Scan# 605  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)MSD

Tot Ion: 73 Resp: 414156  
Ion Ratio Lower Upper  
73 100  
57 21.1 17.4 26.0

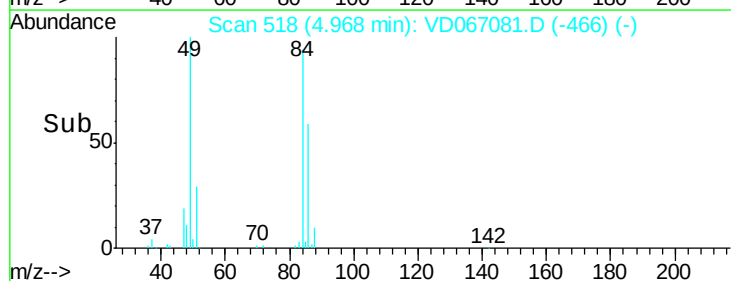
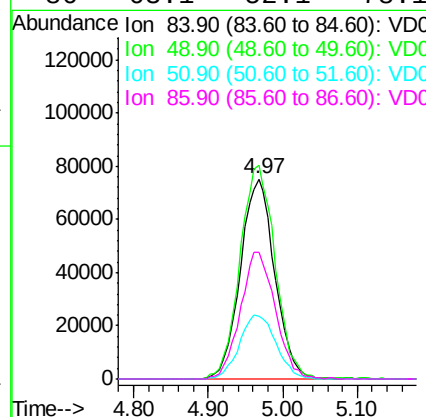
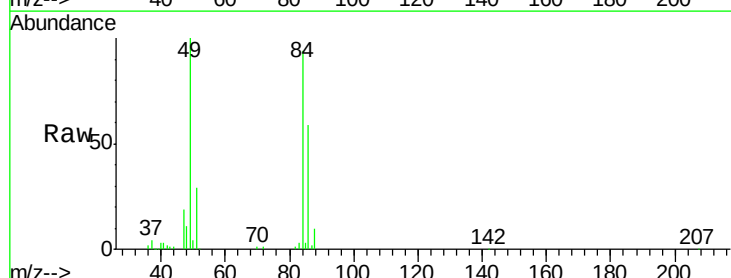
Manual Integrations  
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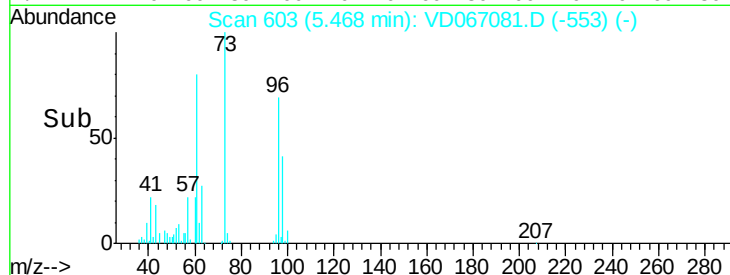
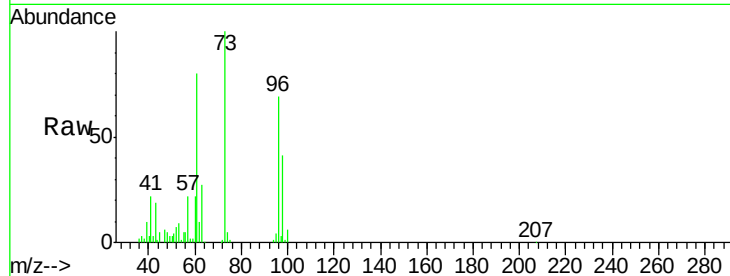
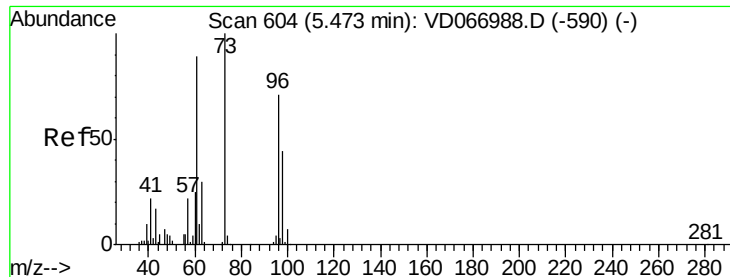
MMDadoda  
10/6/2020 12:55:12 PM



#20  
Methylene Chloride  
Concen: 60.545 ug/l  
RT: 4.97 min Scan# 518  
Delta R.T. 0.01 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

Tgt Ion: 84 Resp: 240131  
Ion Ratio Lower Upper  
84 100  
49 106.6 88.2 132.2  
51 31.4 26.6 39.8  
86 63.1 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 53.659 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 224512 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 116.4 | 99.6  | 149.4  |
| 98       | 60.1  | 49.4  | 74.2   |

Instrument :

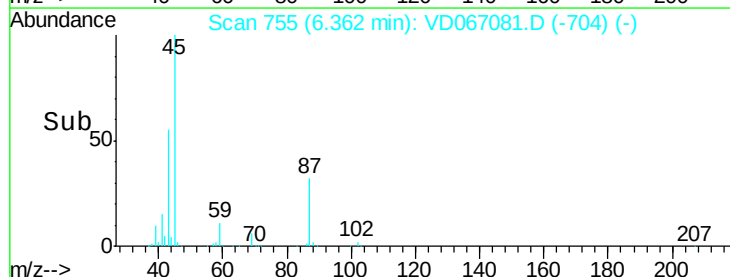
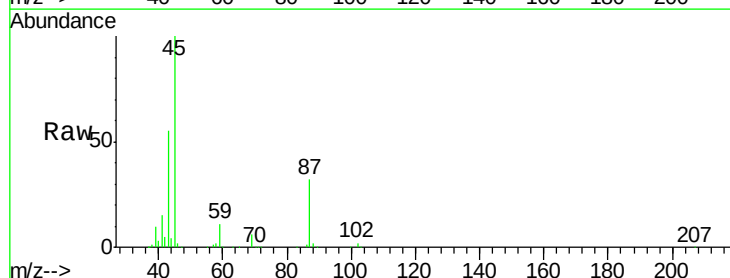
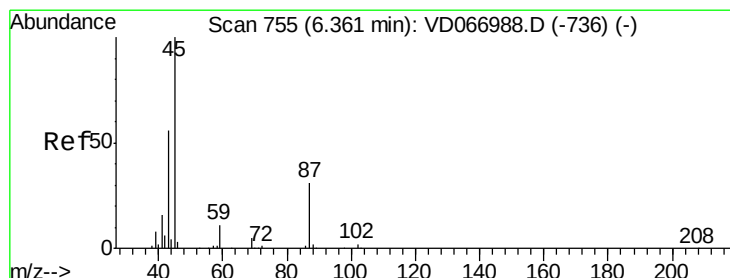
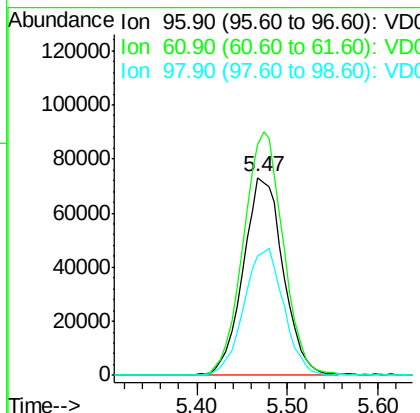
MSVOA\_D

ClientSampleId :

B-18(0-1)MSD

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



#22

Diisopropyl ether

Concen: 60.234 ug/l

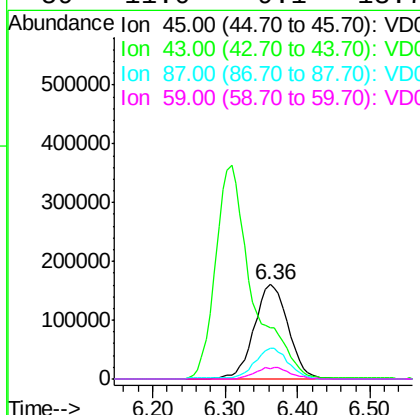
RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

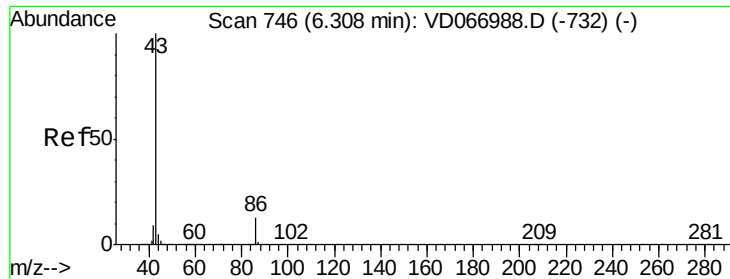
Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 525210 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 53.7  | 45.2  | 67.8   |
| 87       | 31.9  | 25.6  | 38.4   |
| 59       | 11.0  | 9.1   | 13.7   |







#23

Vinyl Acetate

Concen: 259.993 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

Instrument :

MSVOA\_D

ClientSampleId :

B-18(0-1)MSD

Tot Ion: 43 Resp: 1284629

Ion Ratio Lower Upper

43 100

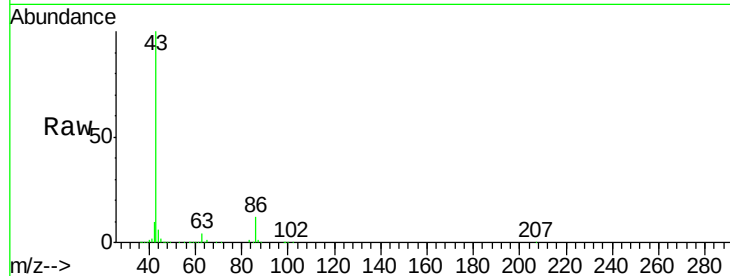
86 12.2 10.2 15.2

Manual Integrations

APPROVED

MMDadoda

10/6/2020 12:55:12 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

400000

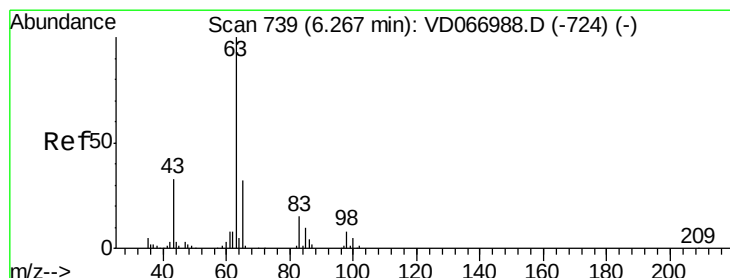
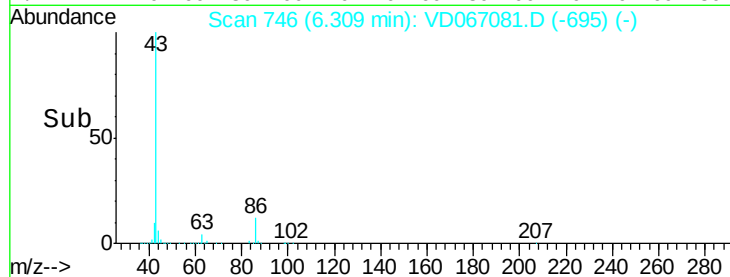
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.971 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

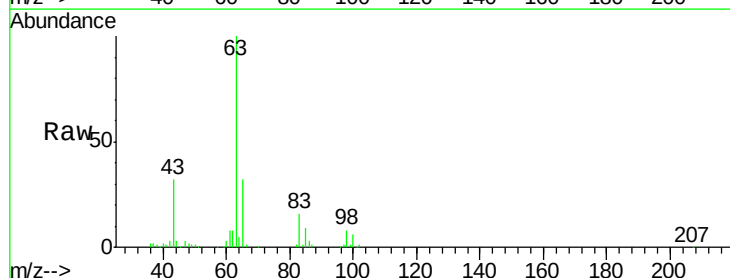
Tgt Ion: 63 Resp: 363183

Ion Ratio Lower Upper

63 100

98 7.8 4.2 12.6

100 5.6 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

6.27

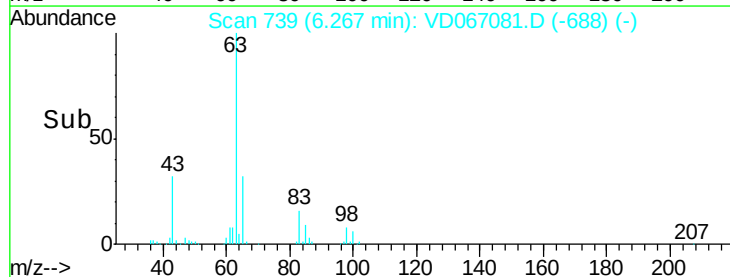
150000

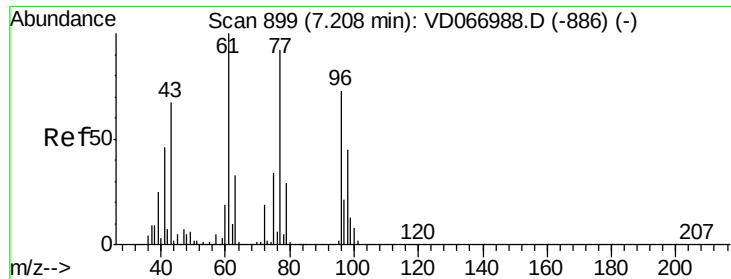
100000

50000

0

Time-->





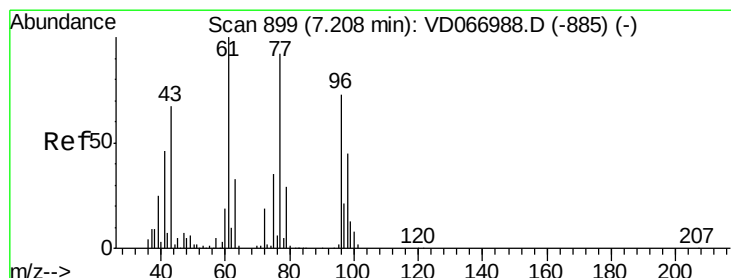
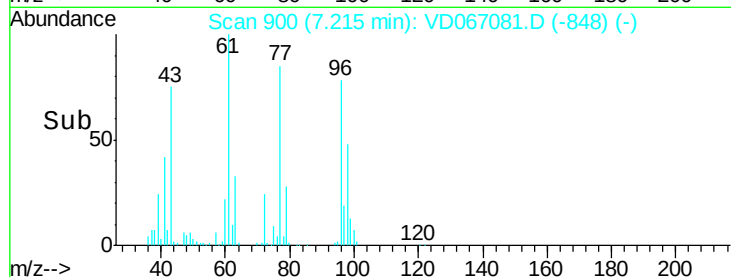
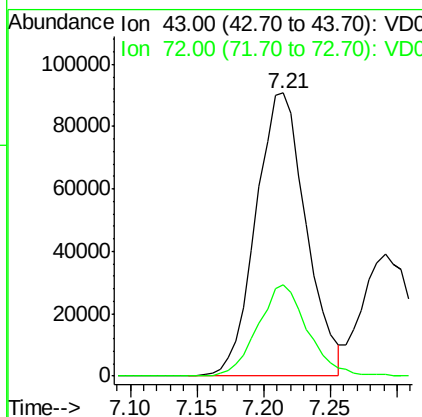
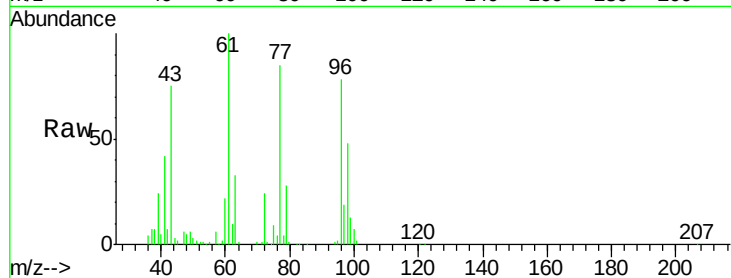
#25  
2-Butanone  
Concen: 292.519 ug/l  
RT: 7.21 min Scan# 900  
Delta R.T. 0.01 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)MSD

| Tot Ion   | 43   | Resp  | 237819 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 72        | 32.2 | 22.8  | 34.2   |

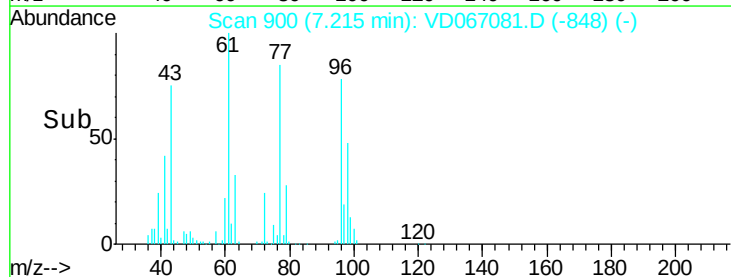
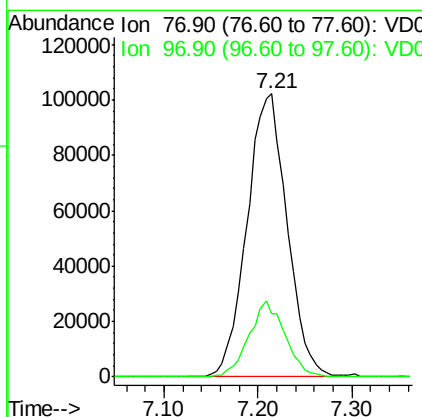
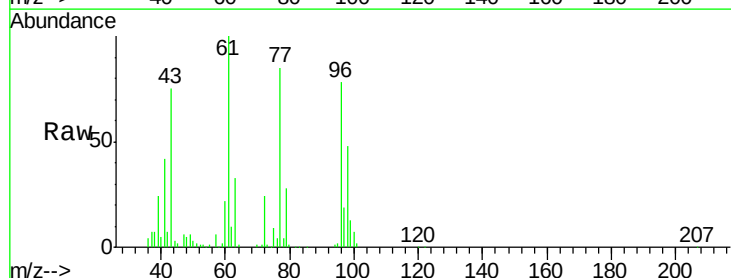
Manual Integrations  
APPROVED

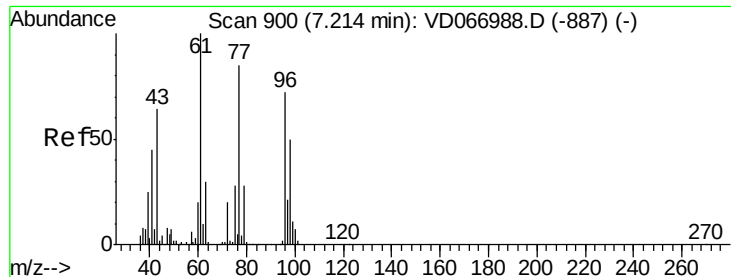
MMDadoda  
10/6/2020 12:55:12 PM



#26  
2,2-Dichloropropane  
Concen: 52.673 ug/l  
RT: 7.21 min Scan# 900  
Delta R.T. 0.01 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

| Tgt Ion   | 77   | Resp  | 301820 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 97        | 24.0 | 11.4  | 34.2   |





#27

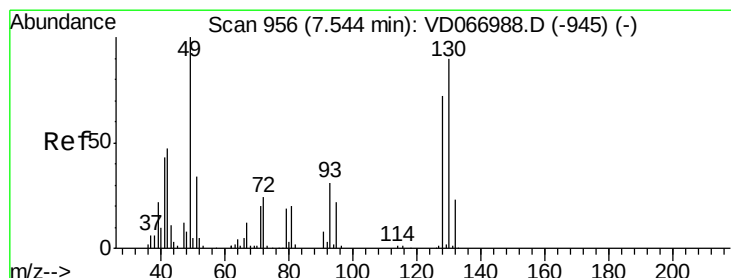
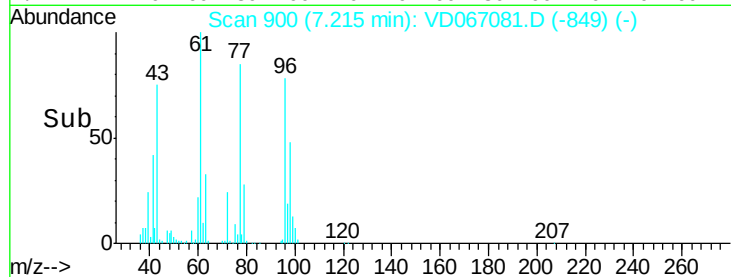
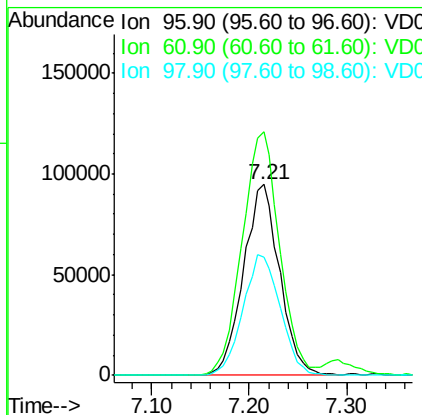
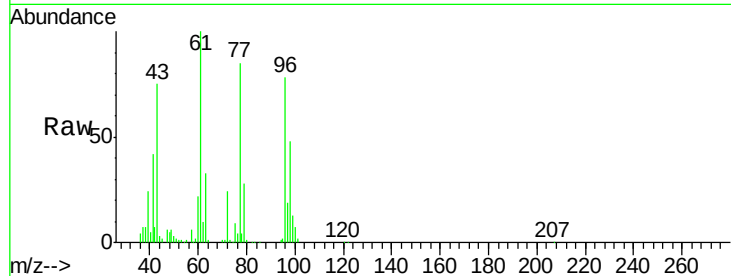
cis-1,2-Dichloroethene  
Concen: 54.967 ug/l  
RT: 7.21 min Scan# 900  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 245623 |       |       |
| 61      | 133.0 | 0.0    | 269.2 |       |
| 98      | 65.5  | 0.0    | 129.4 |       |

Manual Integrations  
APPROVED

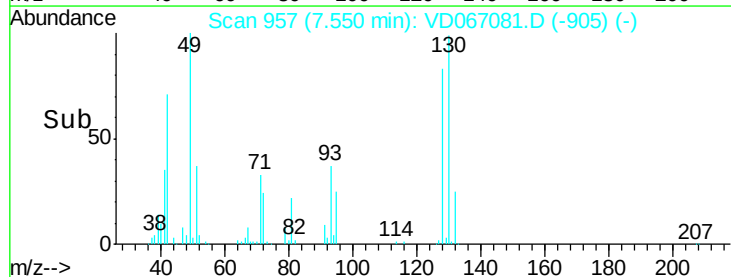
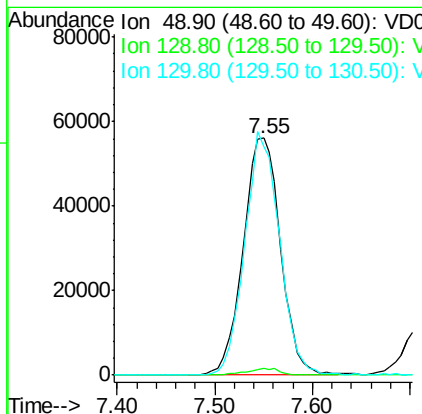
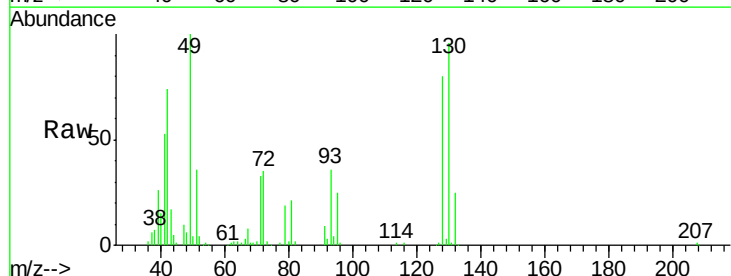
MMDadoda  
10/6/2020 12:55:12 PM

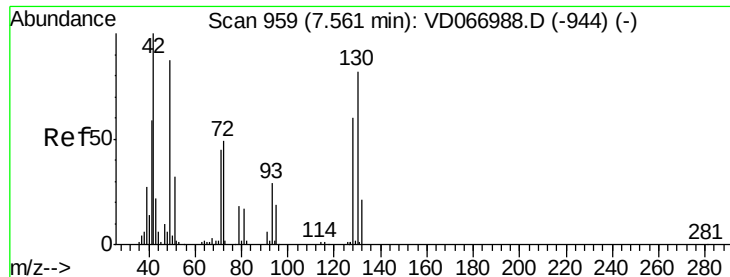


#28

Bromochloromethane  
Concen: 57.849 ug/l  
RT: 7.55 min Scan# 957  
Delta R.T. 0.01 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 150336 |       |       |
| 129     | 2.5   | 0.0    | 4.6   |       |
| 130     | 95.9  | 74.1   | 111.1 |       |





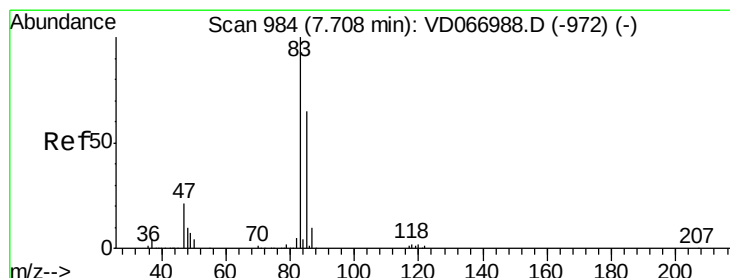
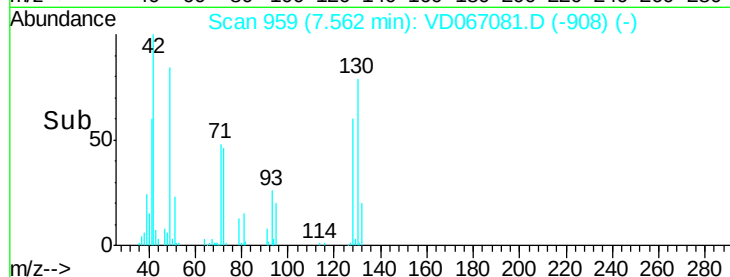
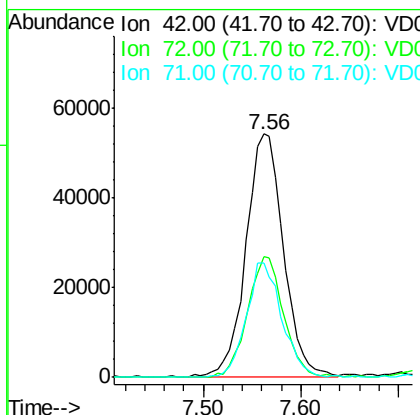
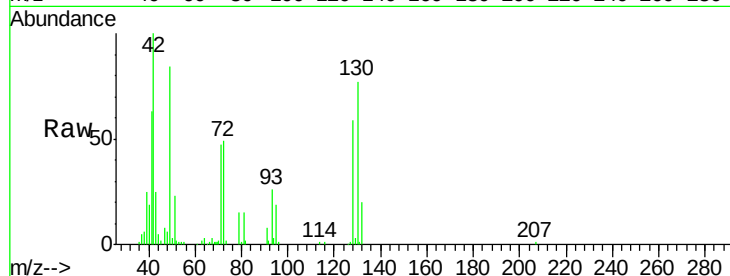
#29  
Tetrahydrofuran  
Concen: 309.540 ug/l  
RT: 7.56 min Scan# 959  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 48.3  | 39.1  | 58.7  |
| 71      | 44.9  | 34.2  | 51.4  |

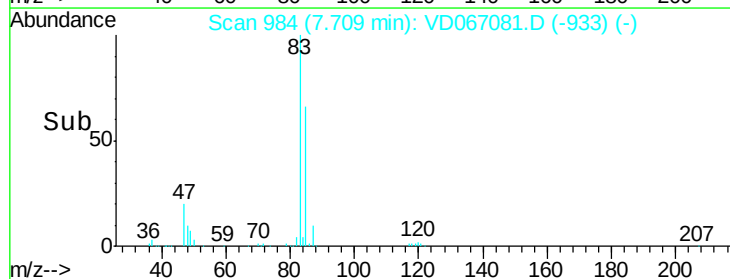
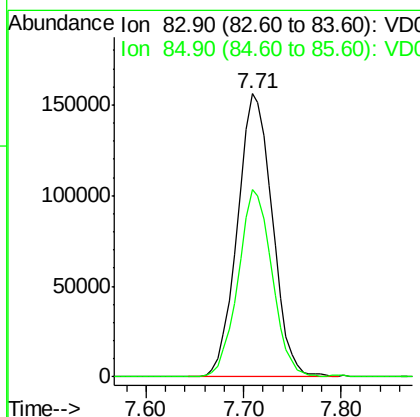
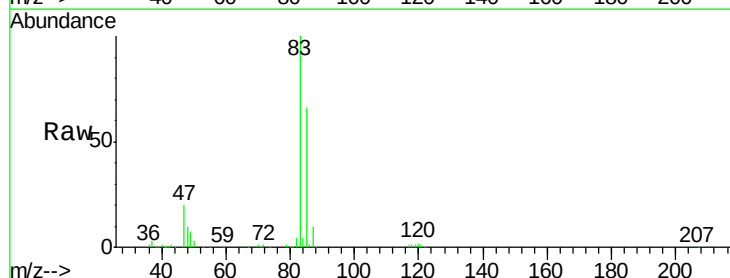
Manual Integrations  
APPROVED

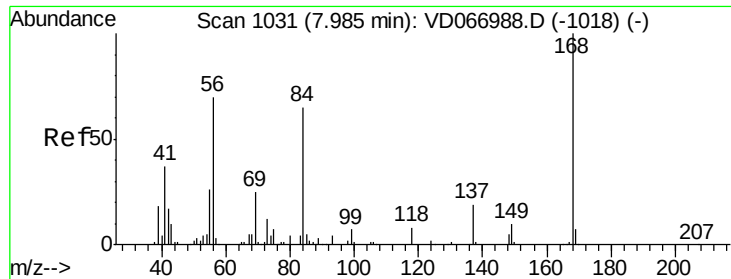
MMDadoda  
10/6/2020 12:55:12 PM



#30  
Chloroform  
Concen: 53.288 ug/l  
RT: 7.71 min Scan# 984  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.3  | 52.3  | 78.5  |





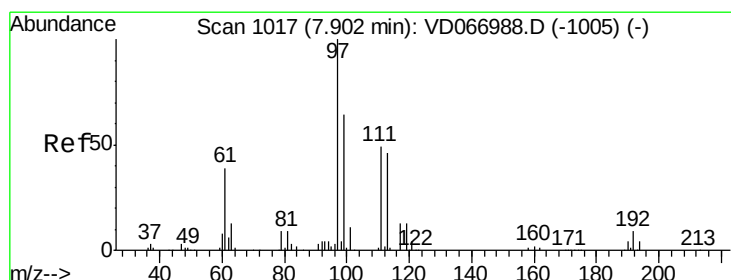
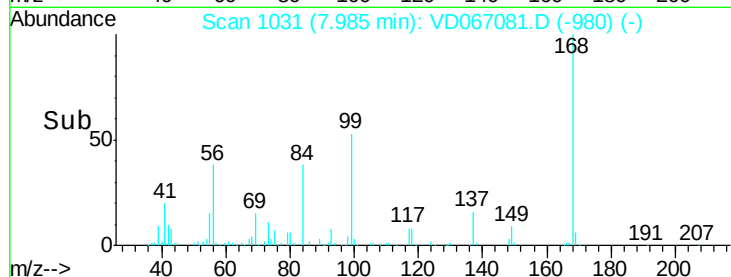
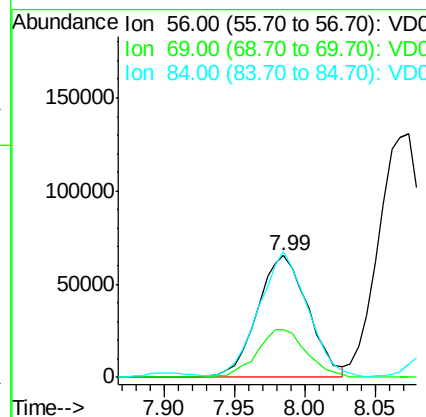
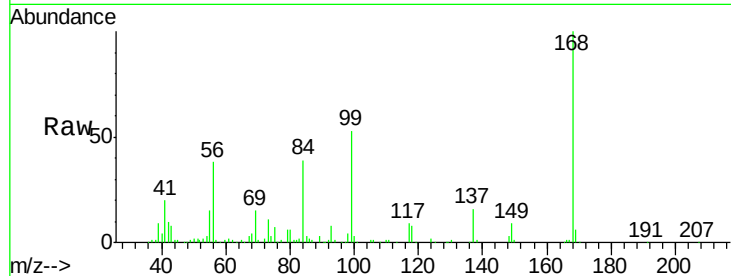
#31  
Cyclohexane  
Concen: 29.012 ug/l  
RT: 7.99 min Scan# 1031  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 38.8  | 29.0  | 43.6  |
| 84      | 101.0 | 74.2  | 111.2 |

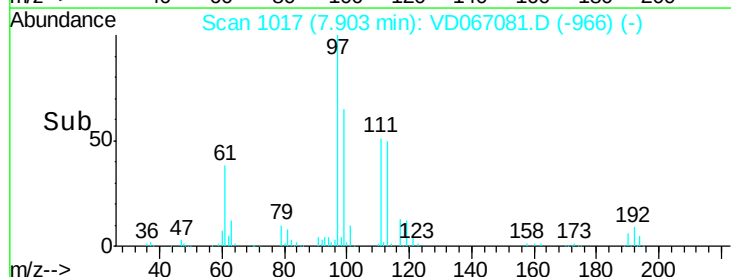
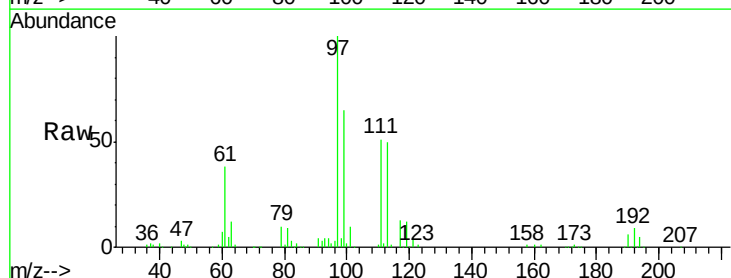
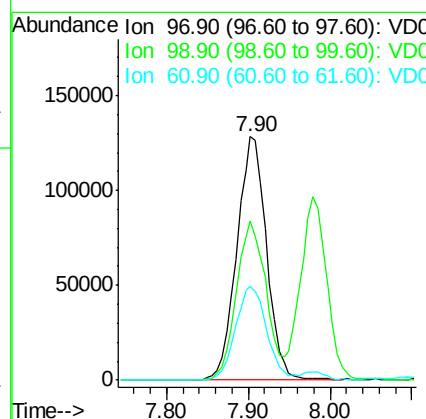
Manual Integrations  
APPROVED

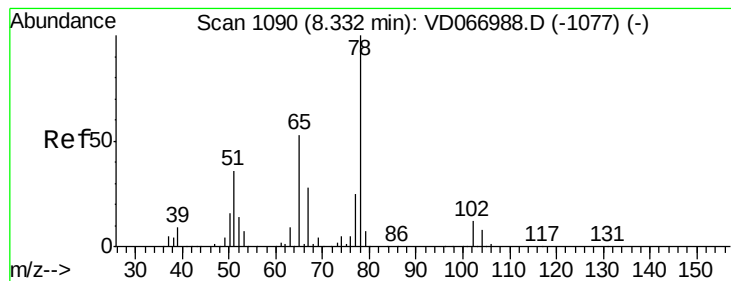
MMDadoda  
10/6/2020 12:55:12 PM



#32  
1,1,1-Trichloroethane  
Concen: 47.904 ug/l  
RT: 7.90 min Scan# 1017  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 65.8  | 52.6  | 78.8  |
| 61      | 40.3  | 32.8  | 49.2  |





#33

1,2-Dichloroethane-d4

Concen: 54.673 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

Instrument :

MSVOA\_D

ClientSampleId :

B-18(0-1)MSD

Tot Ion: 65 Resp: 205382

Ion Ratio Lower Upper

65 100

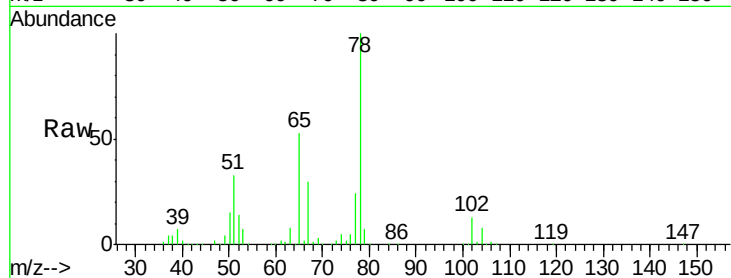
67 54.3 0.0 106.8

Manual Integrations

APPROVED

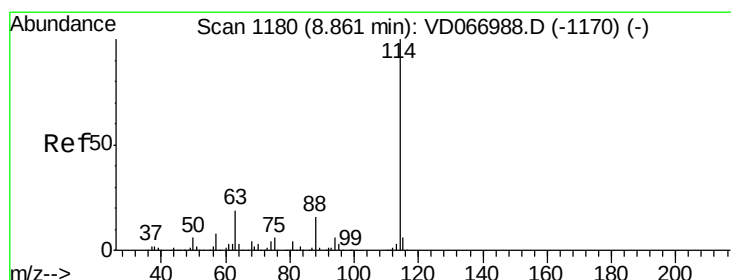
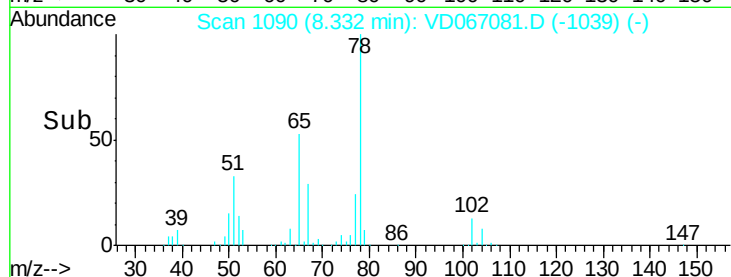
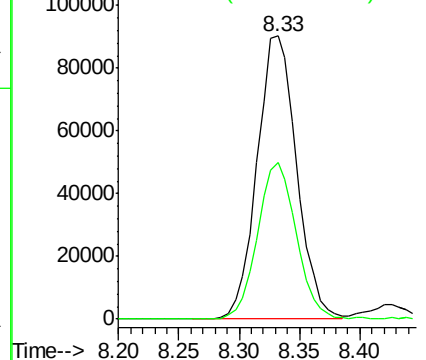
MMDadoda

10/6/2020 12:55:12 PM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

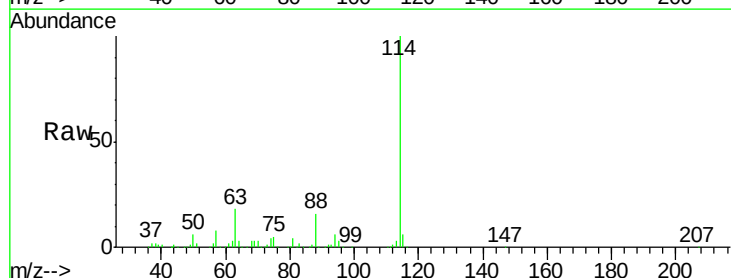
Tgt Ion:114 Resp: 636410

Ion Ratio Lower Upper

114 100

63 17.6 0.0 38.4

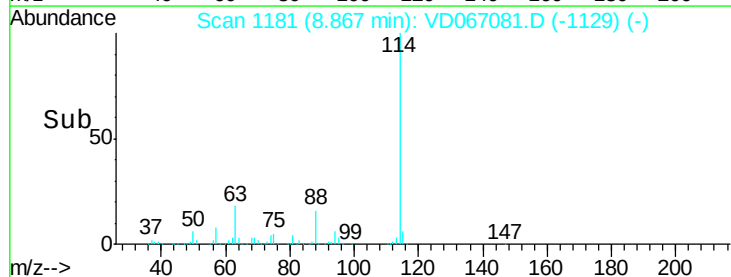
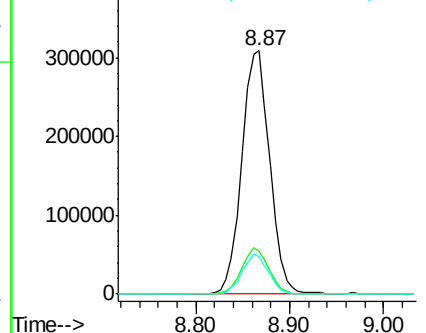
88 15.6 0.0 31.2

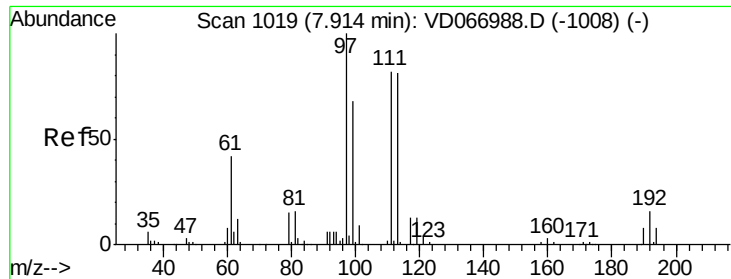


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





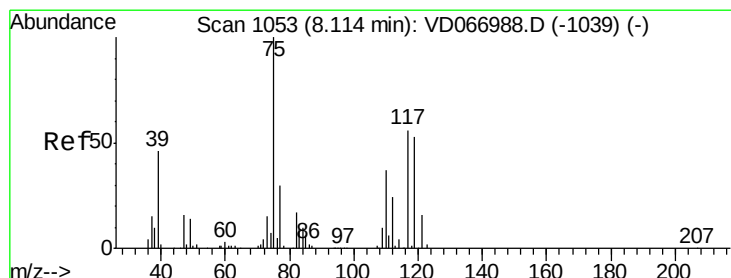
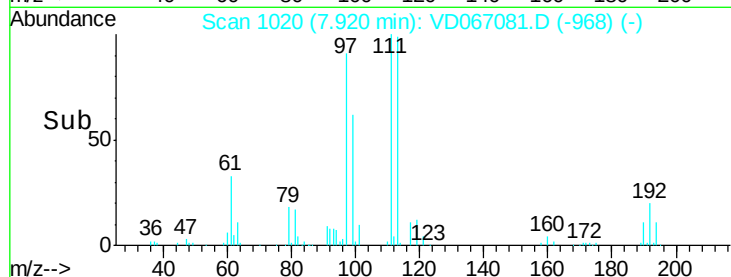
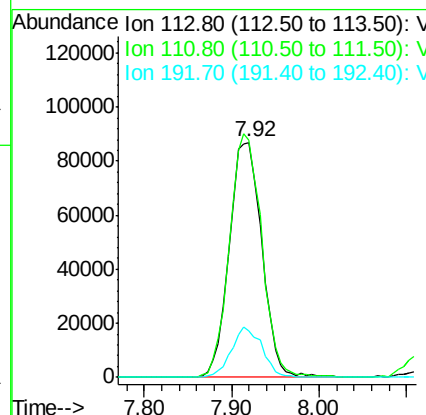
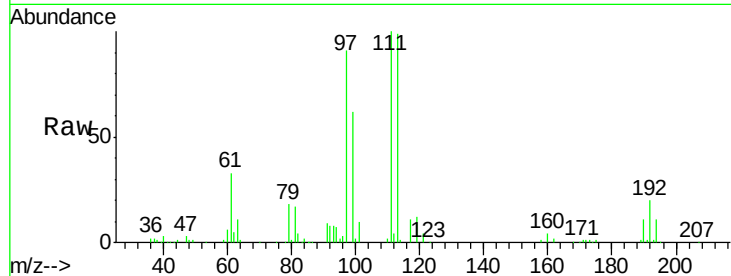
#35  
 Dibromofluoromethane  
 Concen: 53.130 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. 0.01 min  
 Lab File: VD067081.D  
 Acq: 05 Oct 2020 14:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-18(0-1)MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 221362 |       |       |
| 111     | 102.0 | 83.0   | 124.4 |       |
| 192     | 20.0  | 15.5   | 23.3  |       |

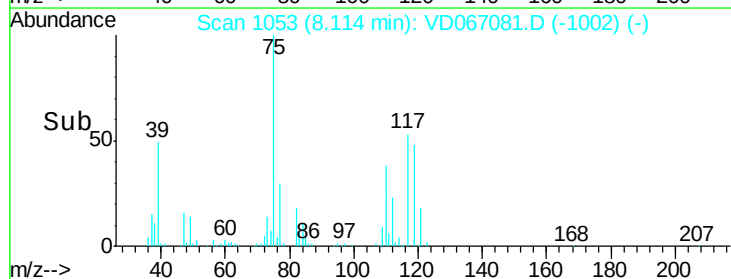
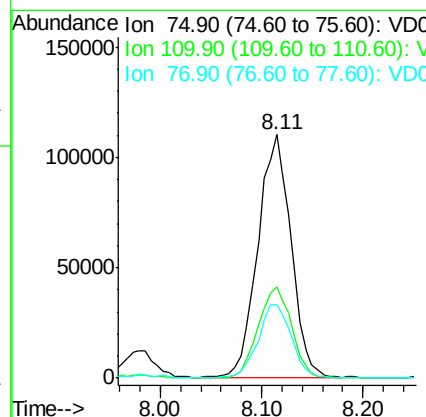
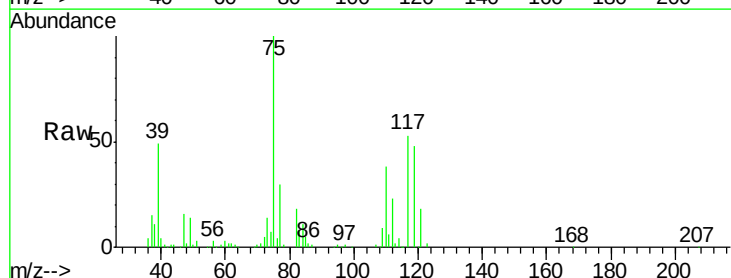
Manual Integrations  
 APPROVED

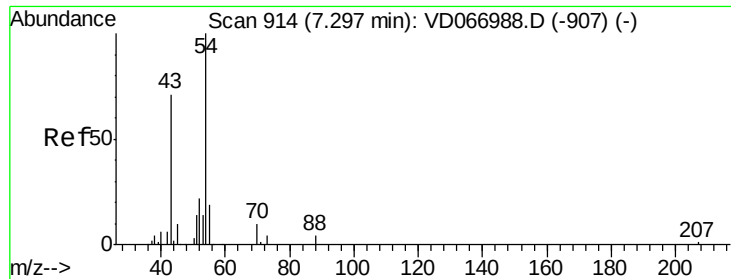
MMDadoda  
 10/6/2020 12:55:12 PM



#36  
 1,1-Dichloropropene  
 Concen: 42.074 ug/l  
 RT: 8.11 min Scan# 1053  
 Delta R.T. 0.00 min  
 Lab File: VD067081.D  
 Acq: 05 Oct 2020 14:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 249584 |       |       |
| 110     | 38.0  | 18.4   | 55.0  |       |
| 77      | 31.0  | 24.8   | 37.2  |       |





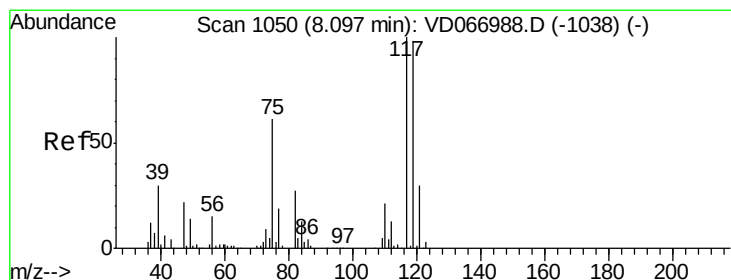
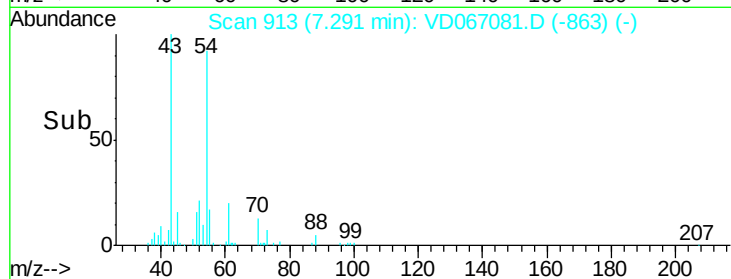
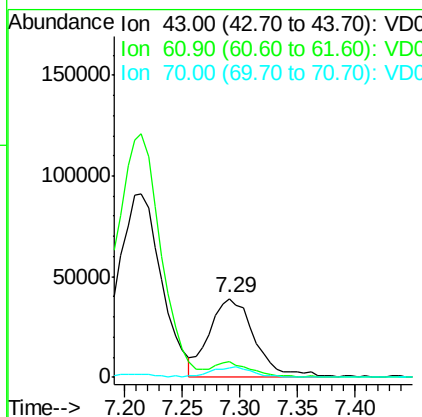
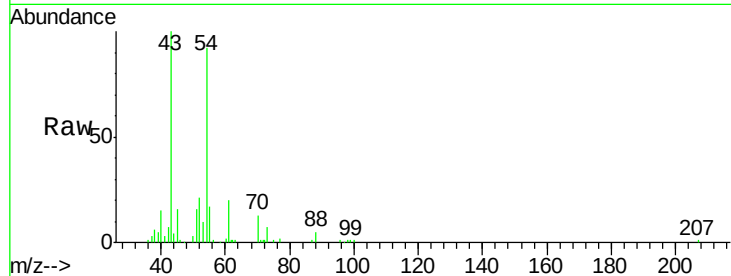
#37  
Ethyl Acetate  
Concen: 50.884 ug/l  
RT: 7.29 min Scan# 913  
Delta R.T. -0.01 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.8  | 12.5  | 18.7  |
| 70      | 12.5  | 9.4   | 14.0  |

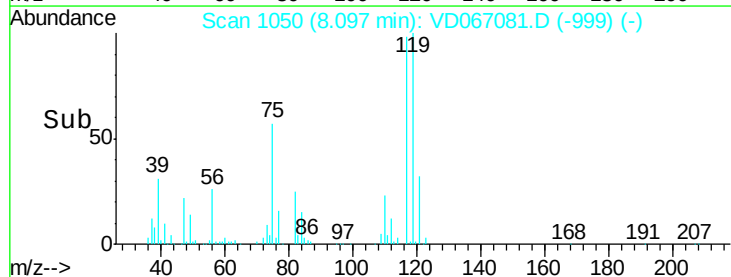
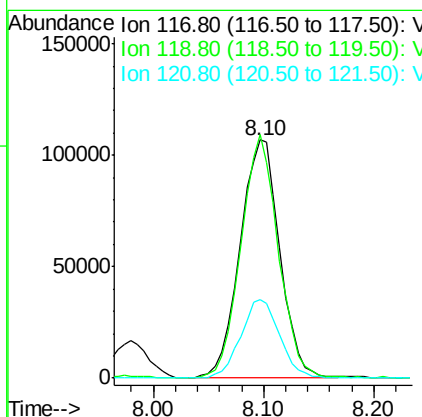
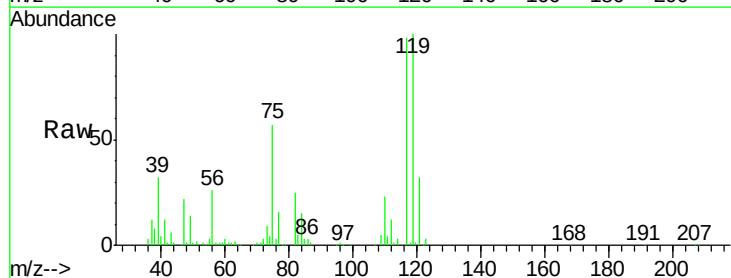
Manual Integrations  
APPROVED

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

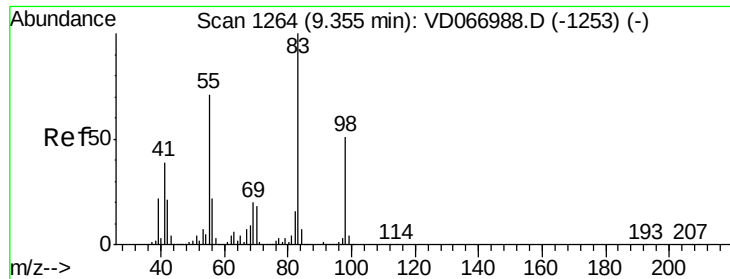


#38  
Carbon Tetrachloride  
Concen: 41.794 ug/l  
RT: 8.10 min Scan# 1050  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 102.2 | 78.7  | 118.1 |
| 121     | 33.0  | 24.2  | 36.2  |







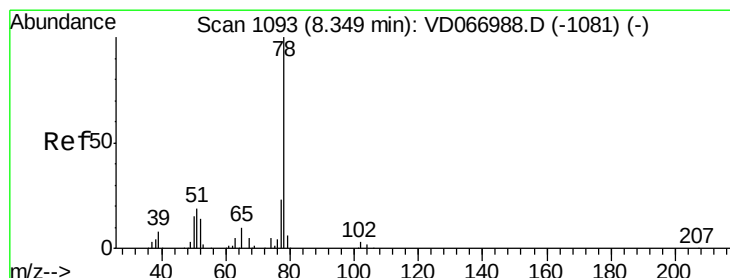
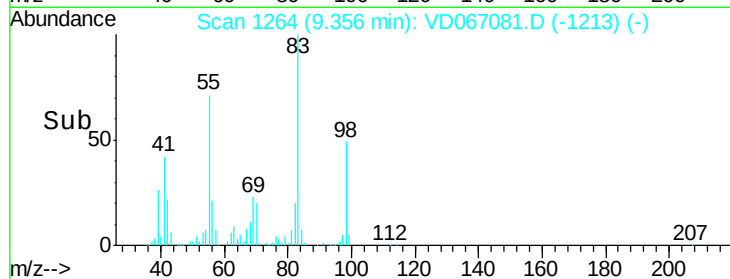
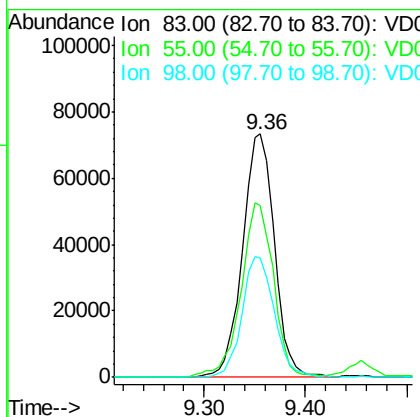
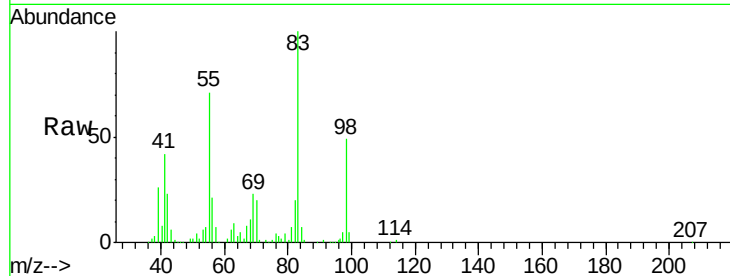
#39  
Methylvlcyclohexane  
Concen: 25.578 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 70.5  | 57.1  | 85.7  |
| 98      | 49.2  | 40.9  | 61.3  |

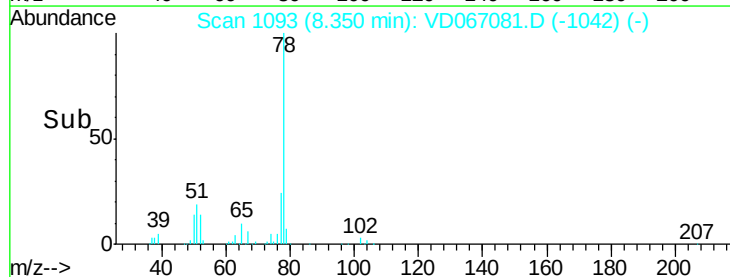
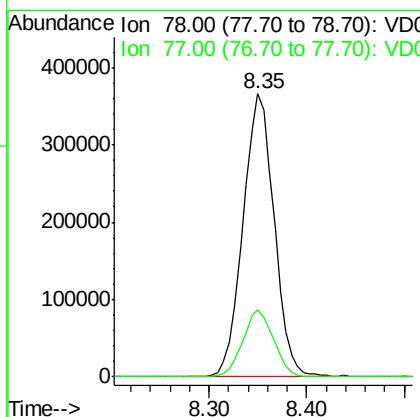
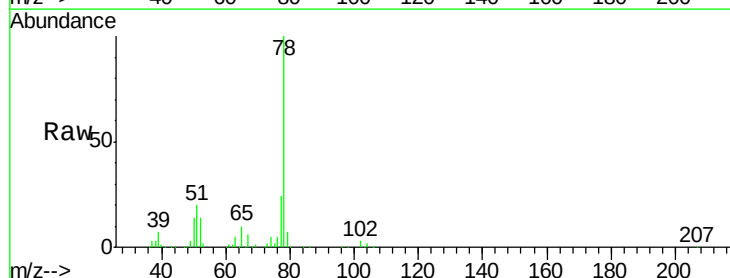
Manual Integrations  
APPROVED

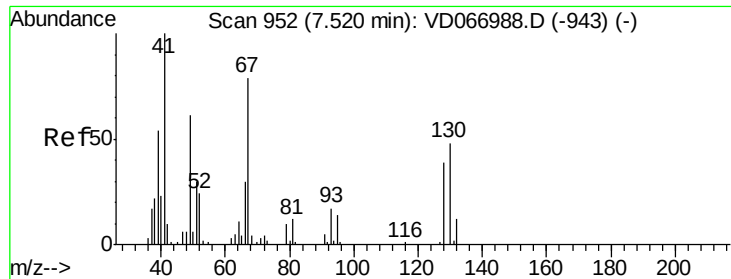
MMDadoda  
10/6/2020 12:55:12 PM



#40  
Benzene  
Concen: 49.364 ug/l  
RT: 8.35 min Scan# 1093  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.8  | 18.4  | 27.6  |





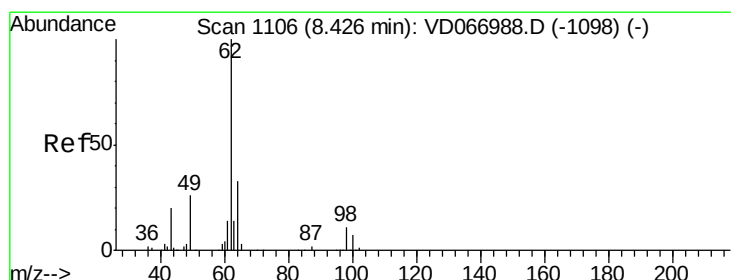
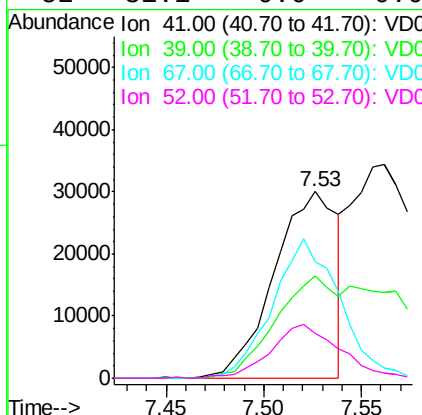
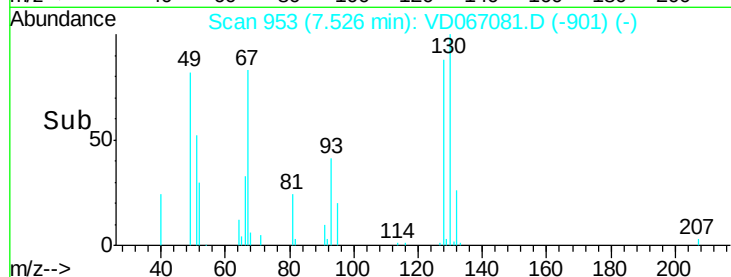
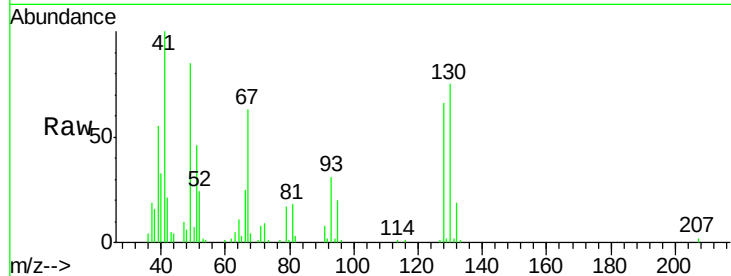
#41  
Methacrylonitrile  
Concen: 60.750 ug/l  
RT: 7.53 min Scan# 953  
Delta R.T. 0.01 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)MSD

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 41      | 100  |       | 67446 |       |       |
| 39      | 52.8 | 0.0   | 0.0#  |       |       |
| 67      | 80.0 | 0.0   | 0.0#  |       |       |
| 52      | 31.1 | 0.0   | 0.0#  |       |       |

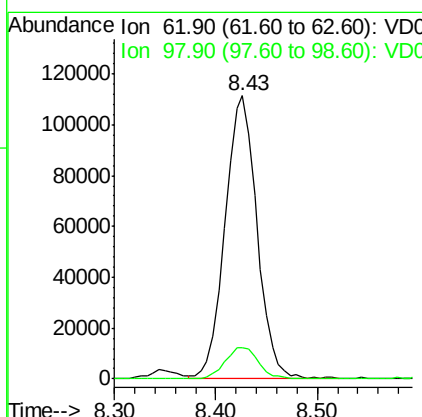
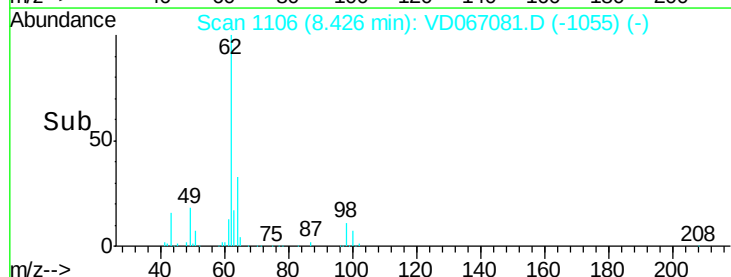
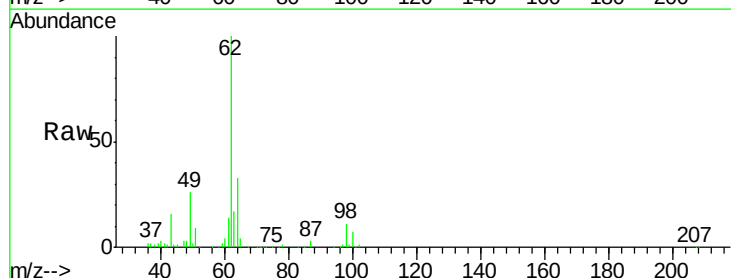
Manual Integrations  
APPROVED

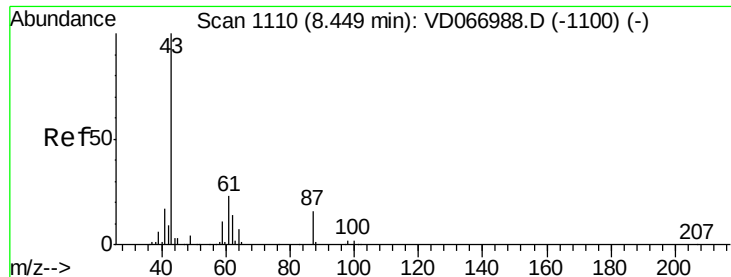
MMDadoda  
10/6/2020 12:55:12 PM



#42  
1,2-Dichloroethane  
Concen: 52.893 ug/l  
RT: 8.43 min Scan# 1106  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 62      | 100  |       | 243525 |       |       |
| 98      | 11.4 | 0.0   | 22.6   |       |       |





#43

Isopropyl Acetate

Concen: 54.612 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

Instrument :

MSVOA\_D

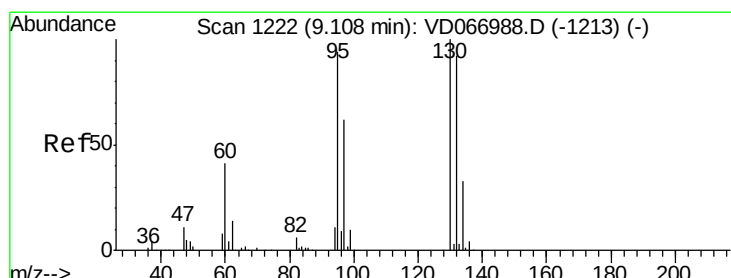
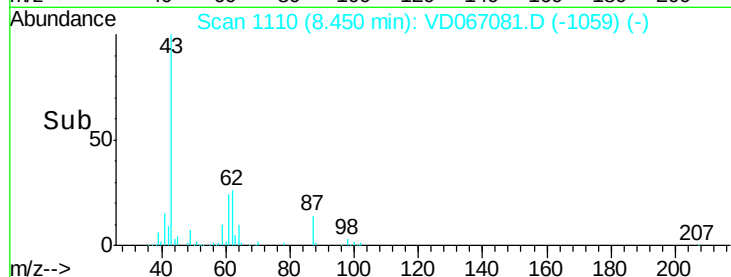
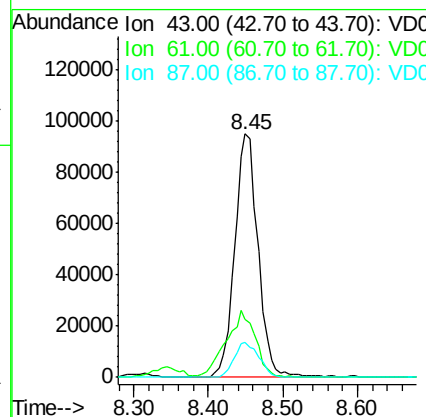
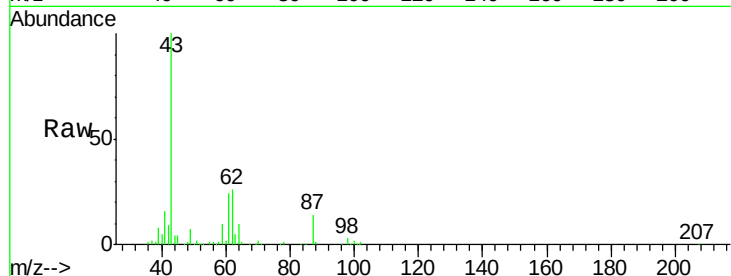
ClientSampleId :

B-18(0-1)MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 206750 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 34.5  | 27.1  | 40.7   |
| 87       | 15.1  | 12.3  | 18.5   |

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



#44

Trichloroethene

Concen: 44.923 ug/l

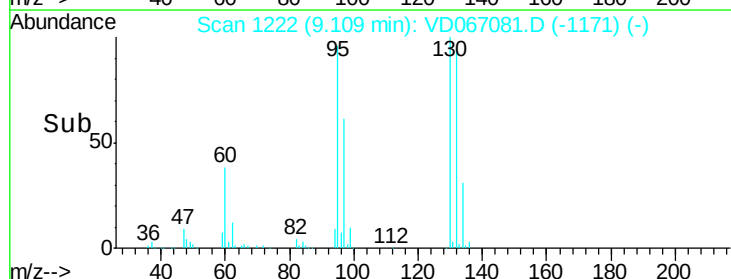
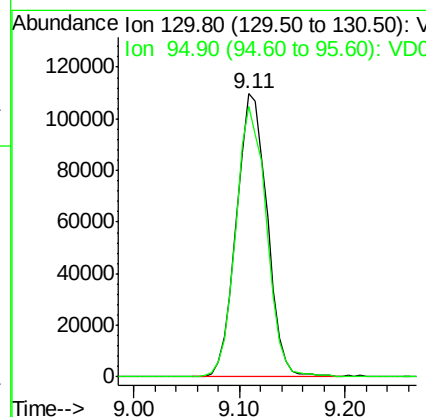
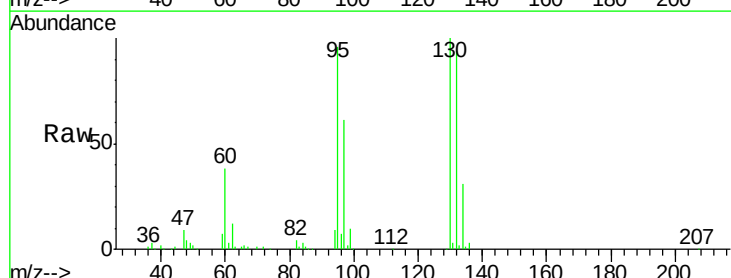
RT: 9.11 min Scan# 1222

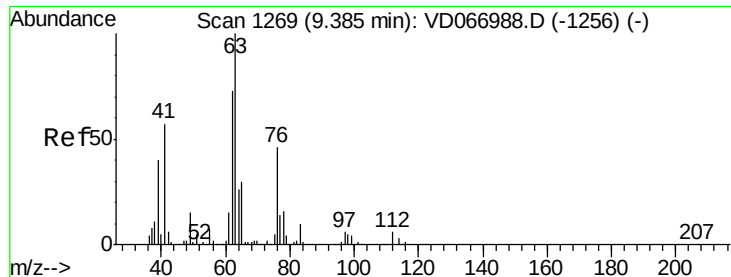
Delta R.T. 0.00 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 221026 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 95.6  | 0.0   | 187.8  |





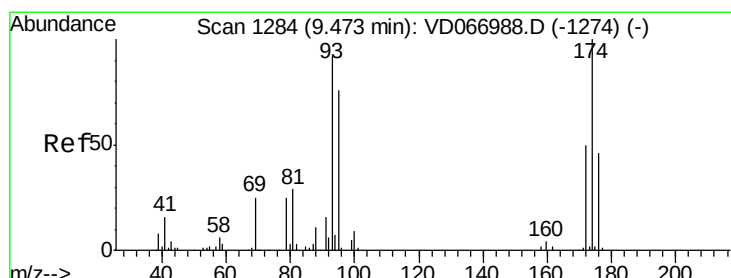
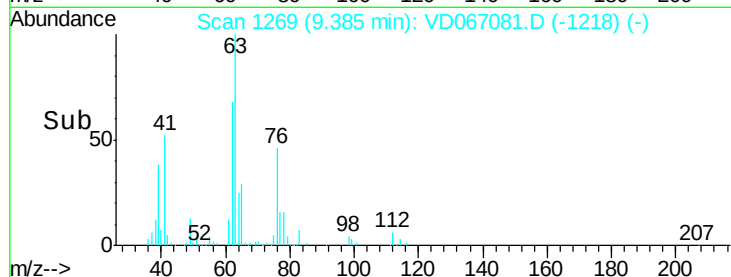
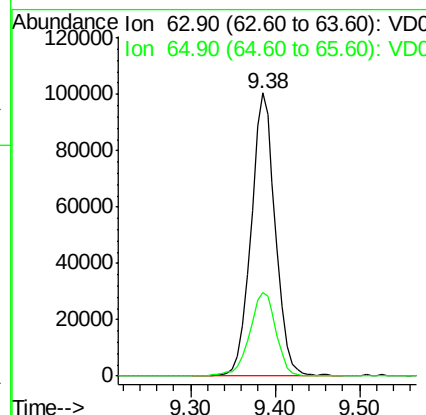
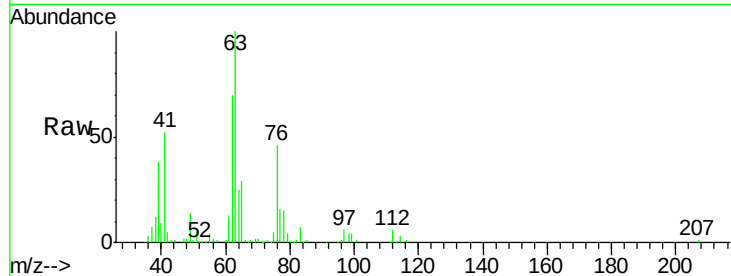
#45  
 1,2-Dichloropropane  
 Concen: 51.635 ug/l  
 RT: 9.38 min Scan# 1269  
 Delta R.T. 0.00 min  
 Lab File: VD067081.D  
 Acq: 05 Oct 2020 14:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-18(0-1)MSD

| Tot Ion   | 63   | Resp | 199898 |
|-----------|------|------|--------|
| Ion Ratio | 63   | 100  |        |
| Lower     | 23.7 |      |        |
| Upper     | 35.5 |      |        |

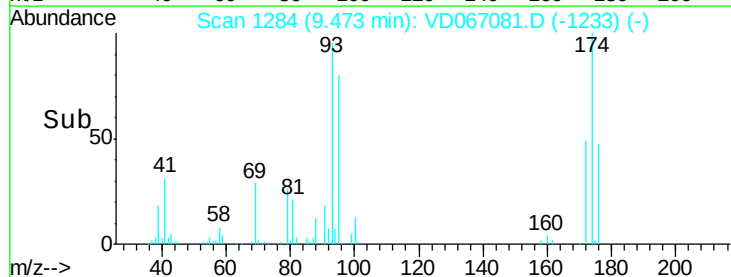
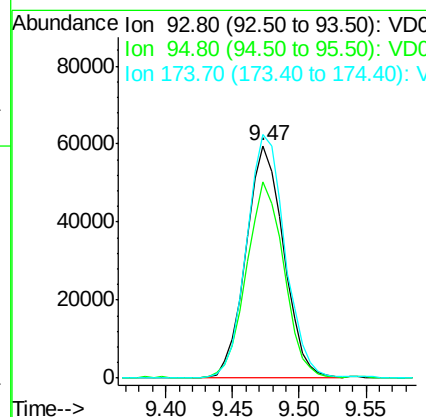
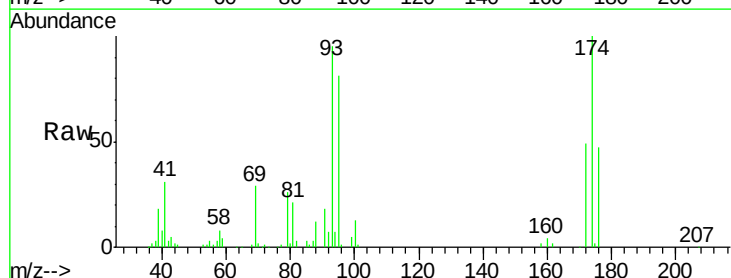
Manual Integrations  
 APPROVED

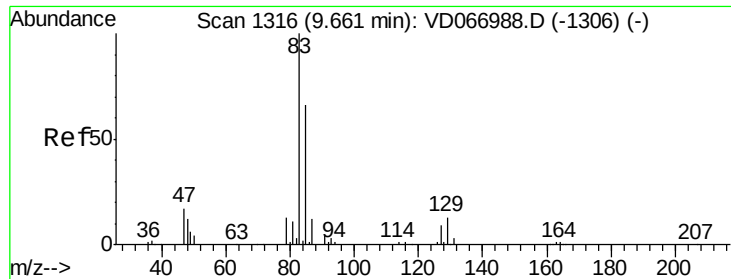
MMDadoda  
 10/6/2020 12:55:12 PM



#46  
 Dibromomethane  
 Concen: 52.350 ug/l  
 RT: 9.47 min Scan# 1284  
 Delta R.T. 0.00 min  
 Lab File: VD067081.D  
 Acq: 05 Oct 2020 14:07

| Tgt Ion   | 93    | Resp | 116482 |
|-----------|-------|------|--------|
| Ion Ratio | 93    | 100  |        |
| Lower     | 64.7  |      |        |
| Upper     | 97.1  |      |        |
| Lower     | 81.4  |      |        |
| Upper     | 122.2 |      |        |





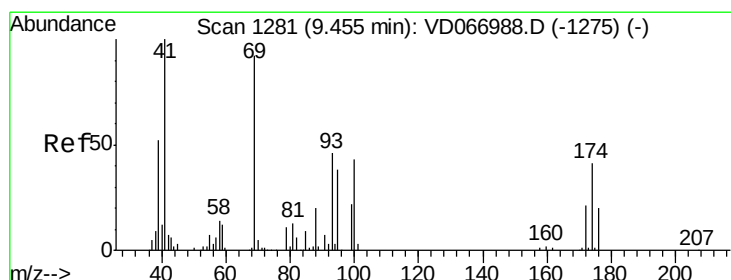
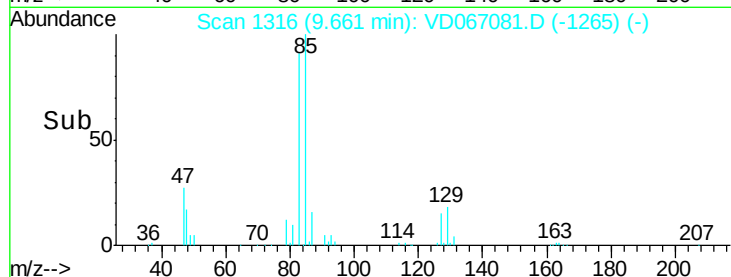
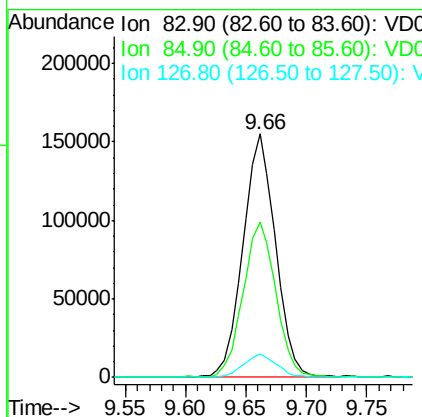
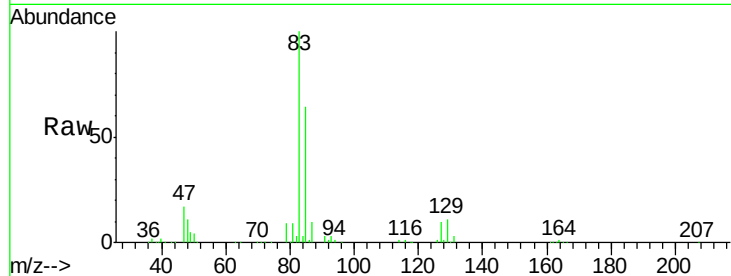
#47  
Bromodichloromethane  
Concen: 50.669 ug/l  
RT: 9.66 min Scan# 1316  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 293066 |       |       |
| 85      | 63.4  | 52.9   | 79.3  |       |
| 127     | 9.7   | 7.3    | 10.9  |       |

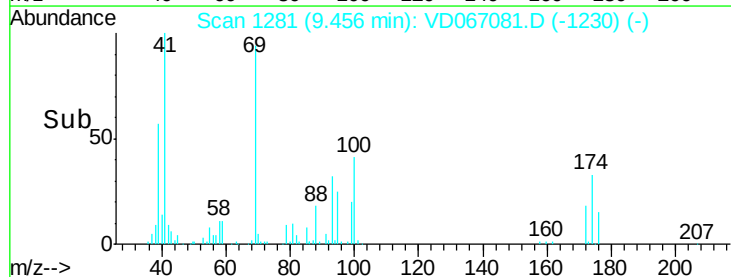
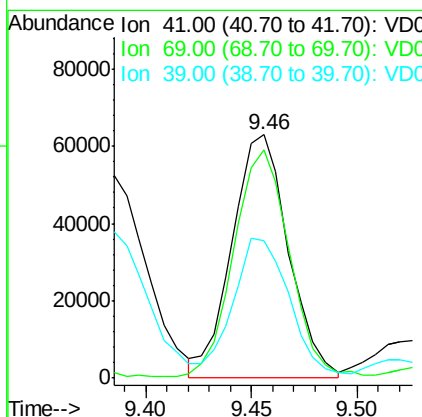
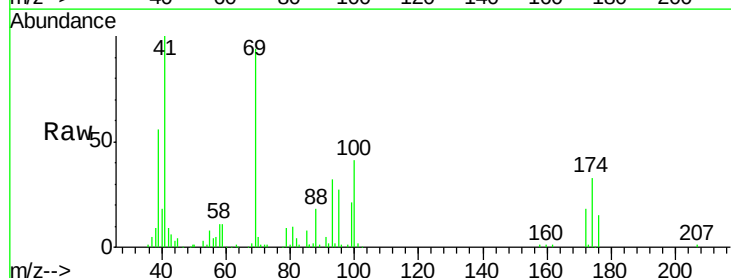
Manual Integrations  
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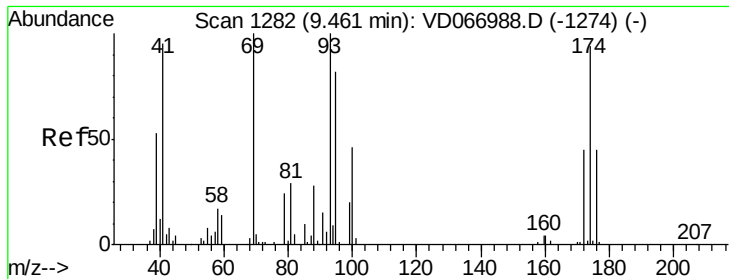
MMDadoda  
10/6/2020 12:55:12 PM



#48  
Methyl methacrylate  
Concen: 60.019 ug/l  
RT: 9.46 min Scan# 1281  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 41      | 100   | 116407 |       |       |
| 69      | 94.0  | 68.5   | 102.7 |       |
| 39      | 56.5  | 40.2   | 60.2  |       |





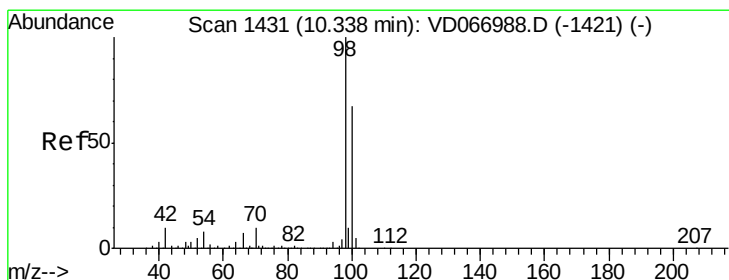
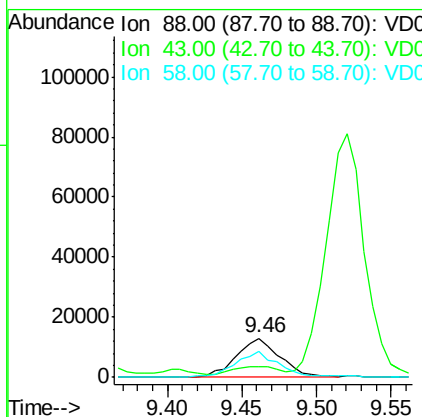
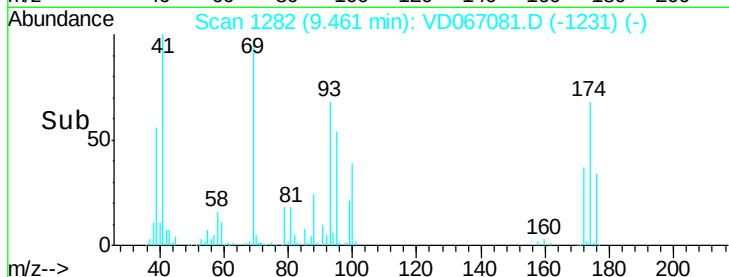
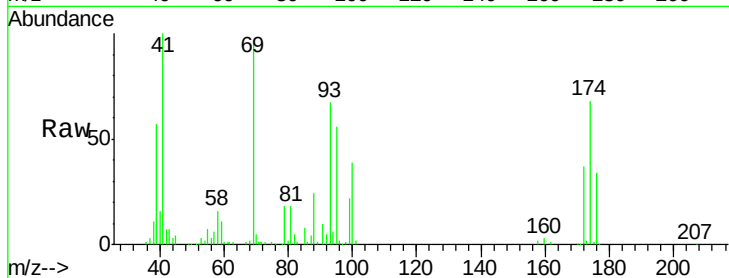
#49  
1,4-Dioxane  
Concen: 1129.285 ug/l  
RT: 9.46 min Scan# 1282  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 26.0  | 25.6  | 38.4  |
| 58      | 65.2  | 53.5  | 80.3  |

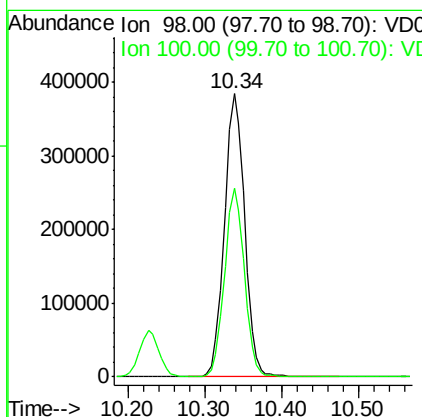
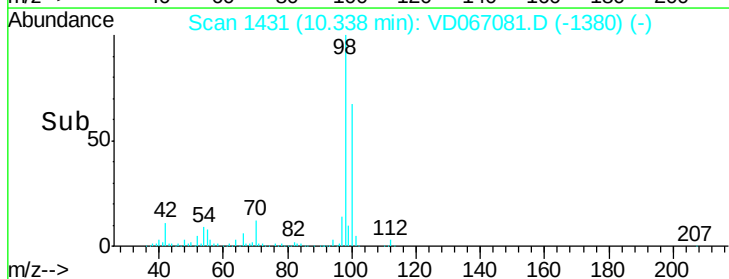
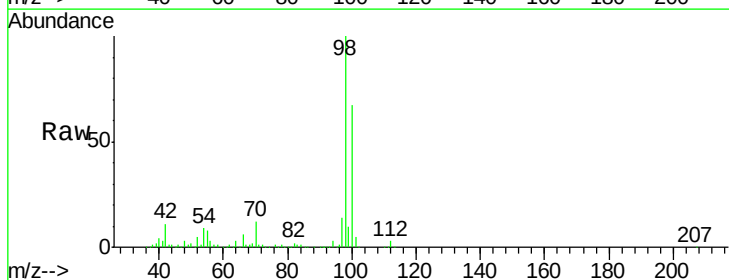
Manual Integrations  
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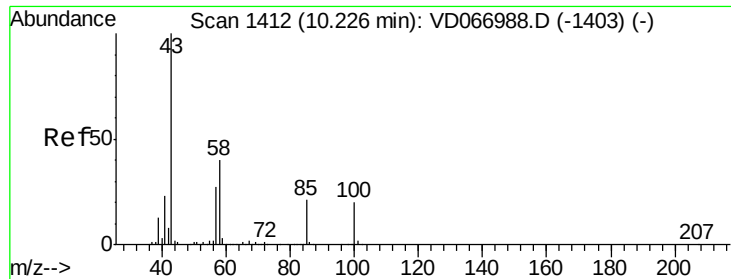
MMDadoda  
10/6/2020 12:55:12 PM



#50  
Toluene-d8  
Concen: 46.425 ug/l  
RT: 10.34 min Scan# 1431  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.3  | 52.8  | 79.2  |





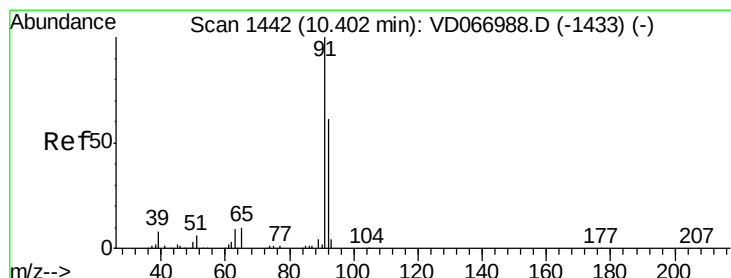
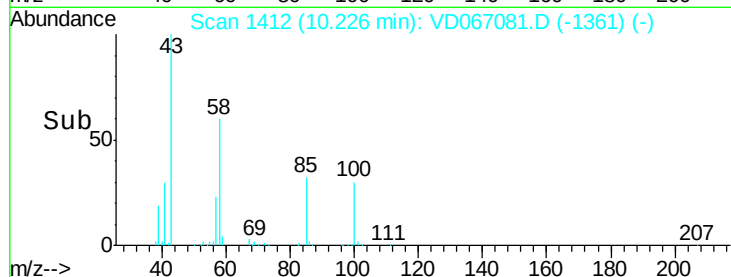
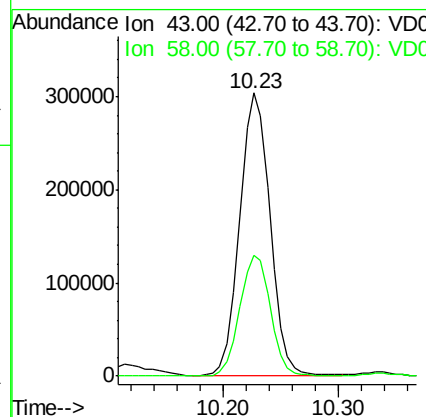
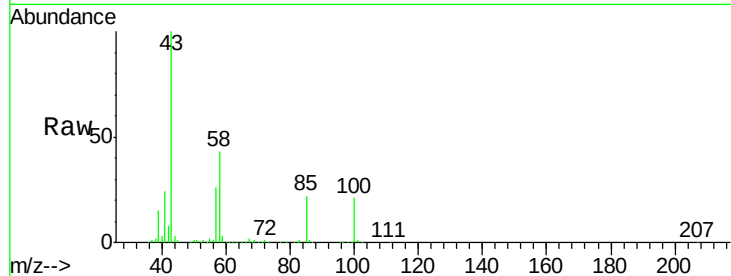
#51  
4-Methyl-2-Pentanone  
Concen: 292.787 ug/l  
RT: 10.23 min Scan# 1412  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)MSD

| Tot Ion   | 43   | Resp  | 552108 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 43.2 | 33.8  | 50.8   |

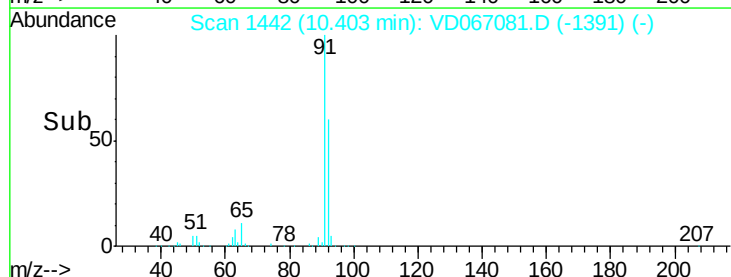
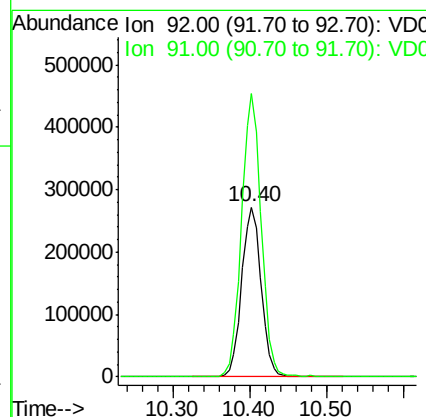
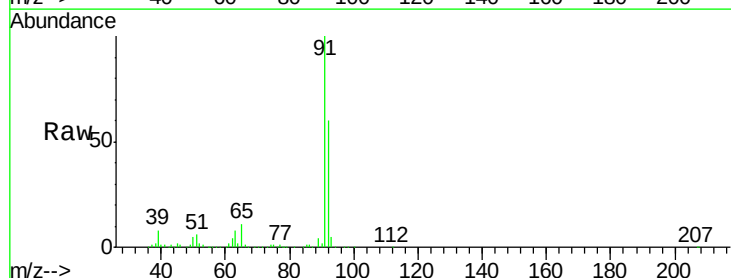
Manual Integrations  
APPROVED

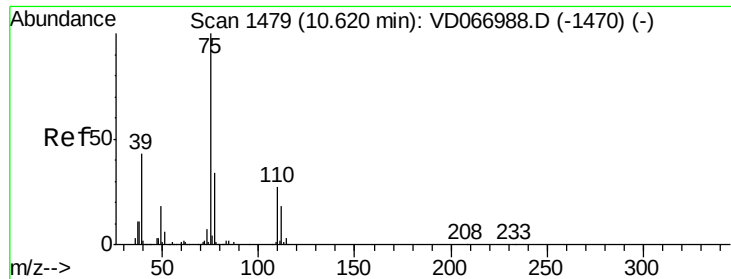
MMDadoda  
10/6/2020 12:55:12 PM



#52  
Toluene  
Concen: 45.658 ug/l  
RT: 10.40 min Scan# 1442  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

| Tgt Ion   | 92    | Resp  | 484600 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 92        | 100   |       |        |
| 91        | 168.3 | 135.1 | 202.7  |





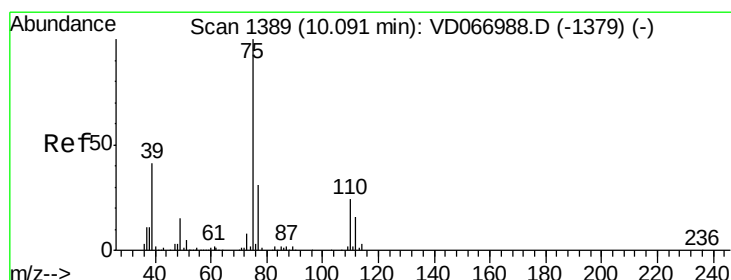
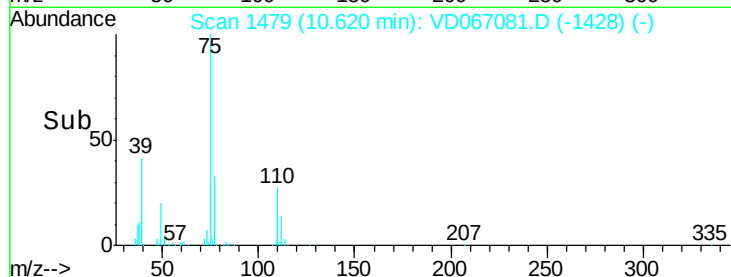
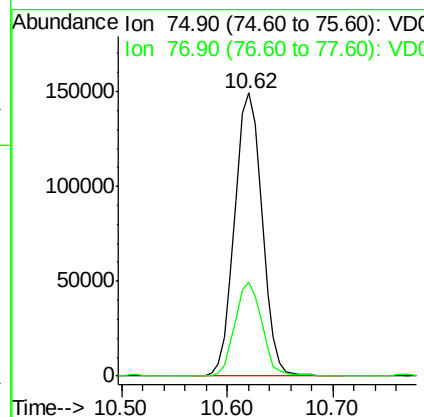
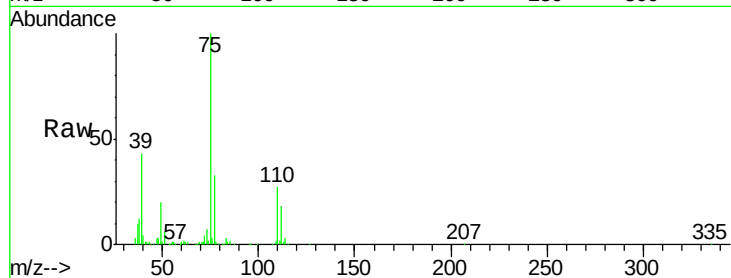
#53  
 t-1,3-Dichloropropene  
 Concen: 52.011 ug/l  
 RT: 10.62 min Scan# 1479  
 Delta R.T. 0.00 min  
 Lab File: VD067081.D  
 Acq: 05 Oct 2020 14:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-18(0-1)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 33.2  | 27.1  | 40.7  |

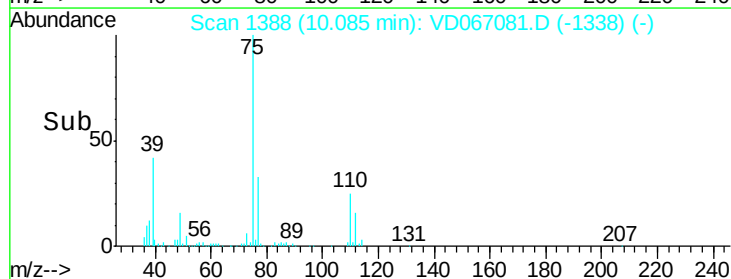
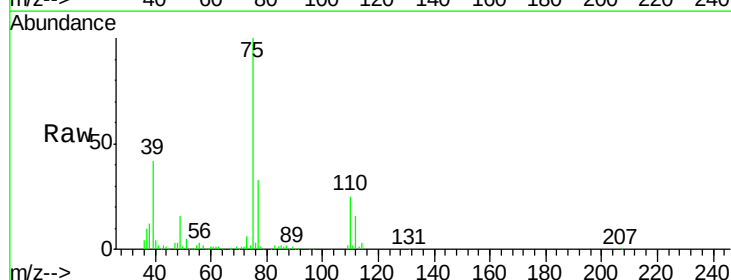
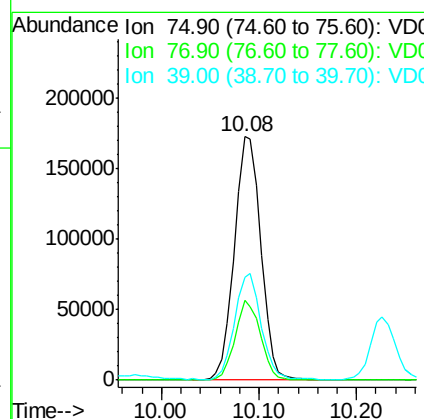
Manual Integrations  
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MMDadoda  
 10/6/2020 12:55:12 PM

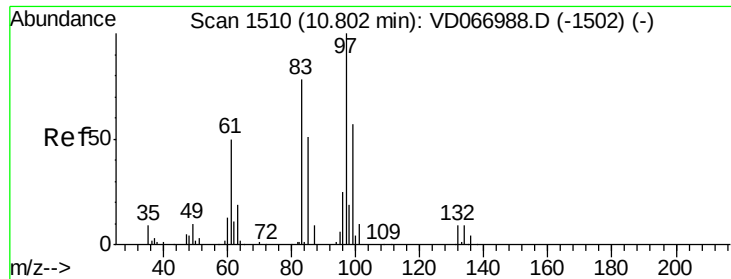


#54  
 cis-1,3-Dichloropropene  
 Concen: 51.763 ug/l  
 RT: 10.08 min Scan# 1388  
 Delta R.T. -0.01 min  
 Lab File: VD067081.D  
 Acq: 05 Oct 2020 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.6  | 24.6  | 37.0  |
| 39      | 41.8  | 33.0  | 49.4  |







#55

1,1,2-Trichloroethane

Concen: 64.760 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

Instrument :

MSVOA\_D

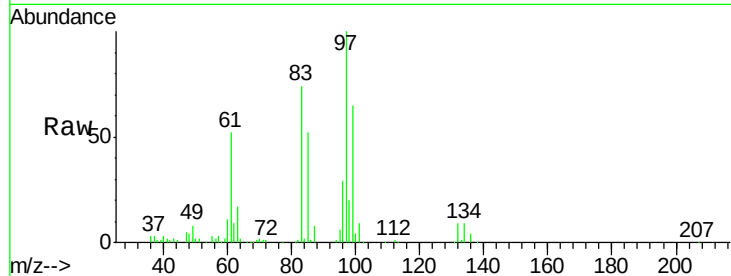
ClientSampleId :

B-18(0-1)MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 97      | 100   | 200336 |       |       |
| 83      | 74.1  | 62.4   | 93.6  |       |
| 85      | 51.9  | 41.0   | 61.4  |       |
| 99      | 65.3  | 45.9   | 68.9  |       |

Manual Integrations  
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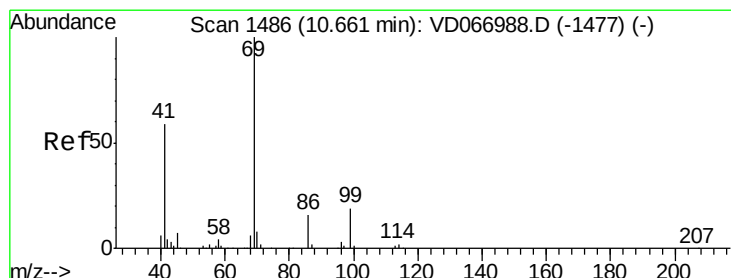
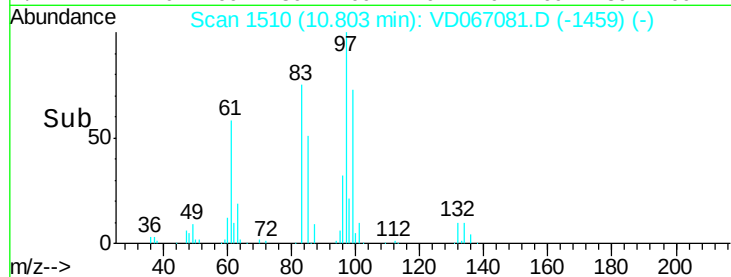
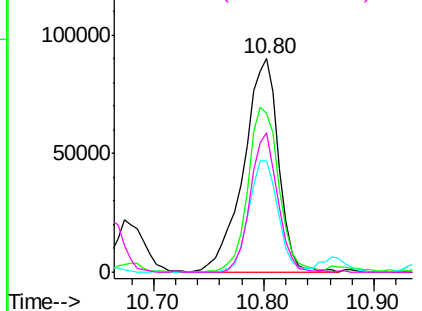


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 65.239 ug/l

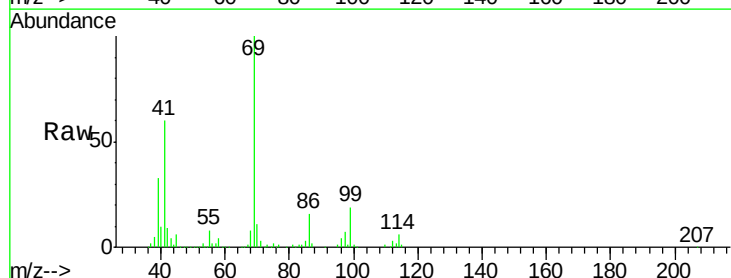
RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

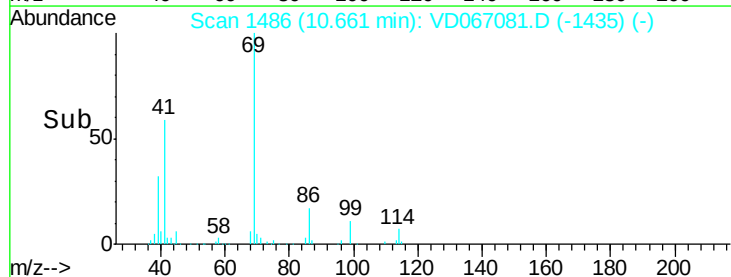
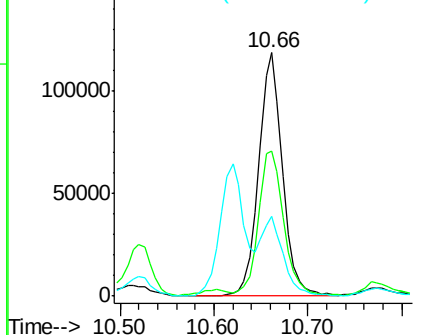
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 69      | 100   | 208365 |       |       |
| 41      | 62.1  | 46.4   | 69.6  |       |
| 39      | 30.8  | 23.8   | 35.6  |       |

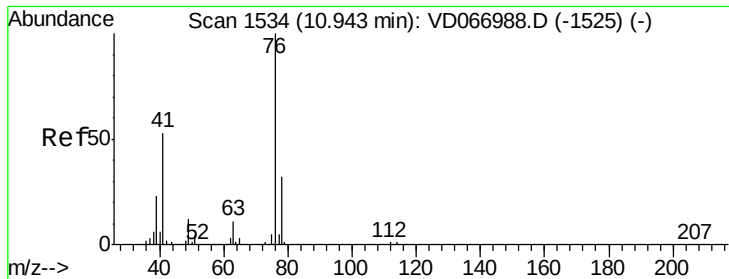


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





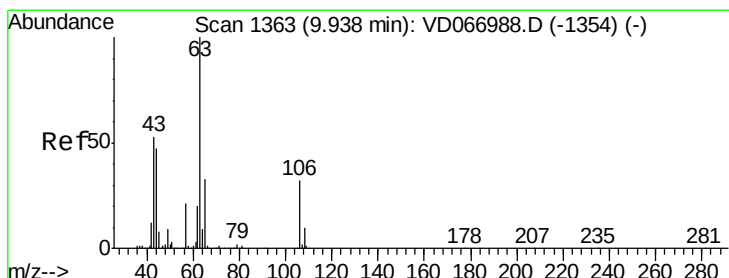
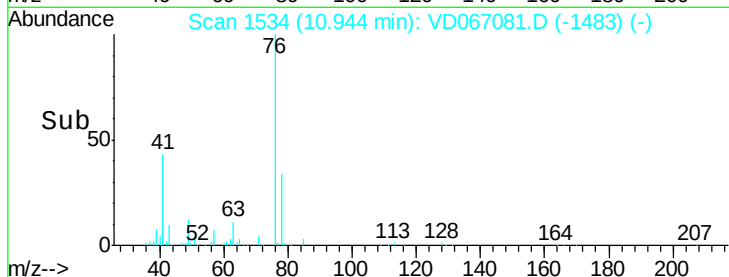
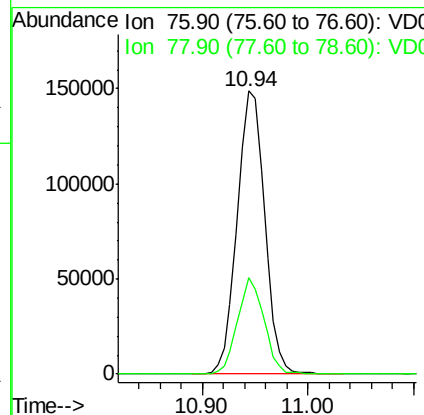
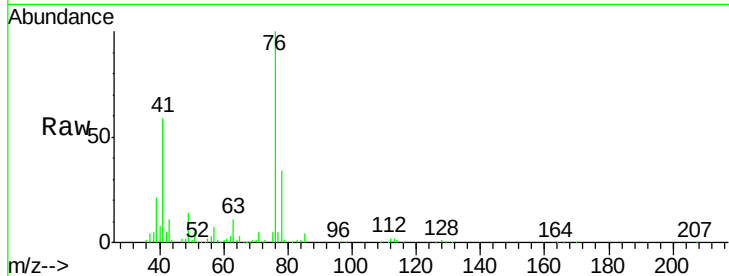
#57  
 1,3-Dichloropropane  
 Concen: 53.496 ug/l  
 RT: 10.94 min Scan# 1534  
 Delta R.T. 0.00 min  
 Lab File: VD067081.D  
 Acq: 05 Oct 2020 14:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-18(0-1)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.7  | 25.8  | 38.8  |

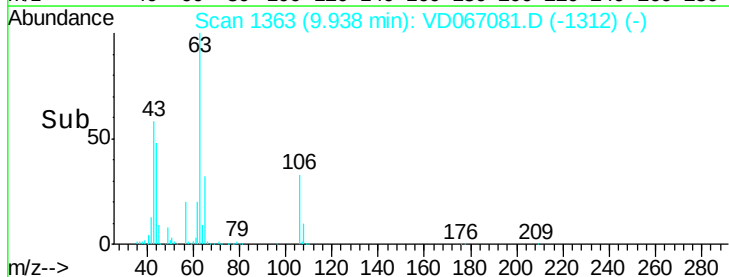
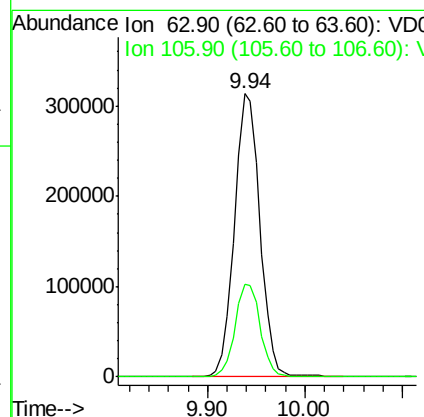
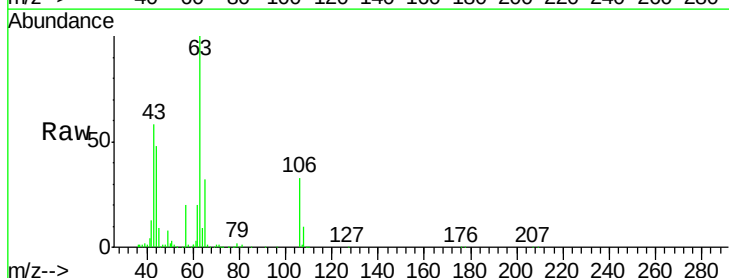
Manual Integrations  
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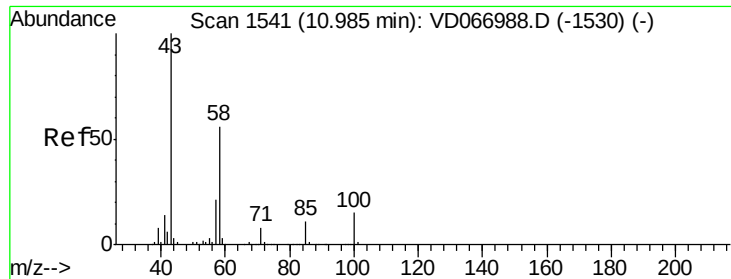
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 10/6/2020 12:55:12 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 319.380 ug/l  
 RT: 9.94 min Scan# 1363  
 Delta R.T. 0.00 min  
 Lab File: VD067081.D  
 Acq: 05 Oct 2020 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 32.5  | 25.3  | 37.9  |





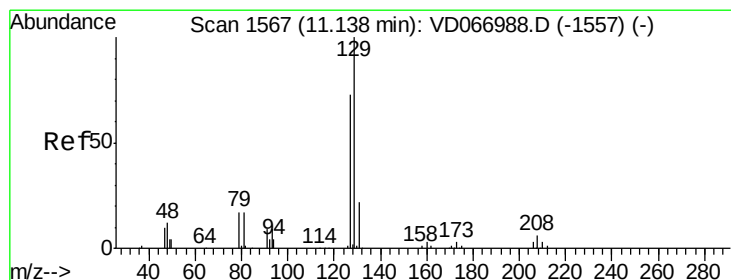
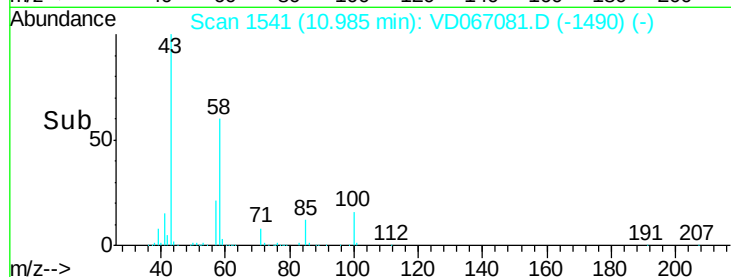
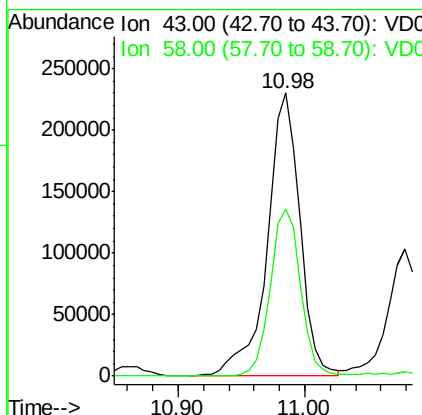
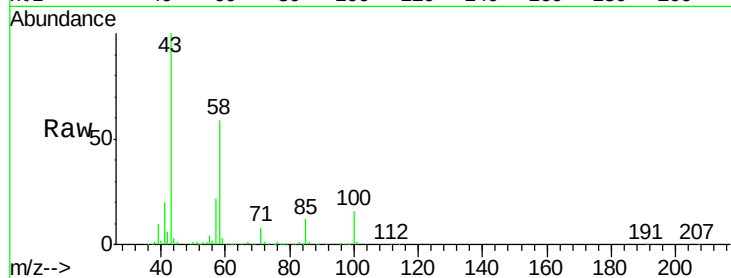
#59  
2-Hexanone  
Concen: 327.131 ug/l  
RT: 10.98 min Scan# 1541  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)MSD

Tot Ion: 43 Resp: 411725  
Ion Ratio Lower Upper  
43 100  
58 54.9 28.3 84.9

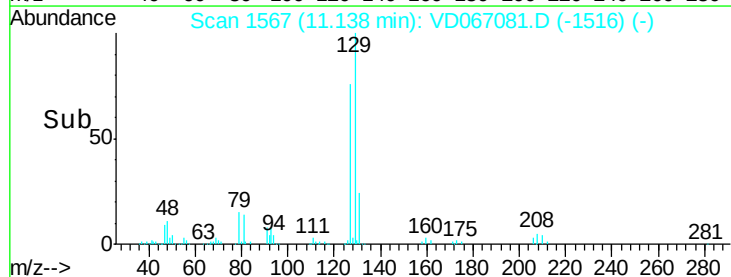
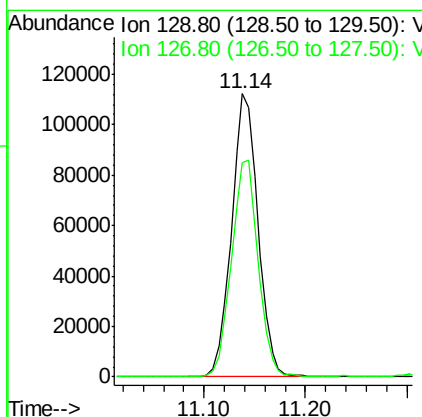
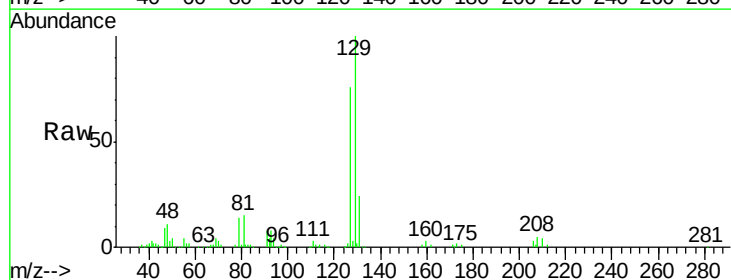
Manual Integrations  
APPROVED

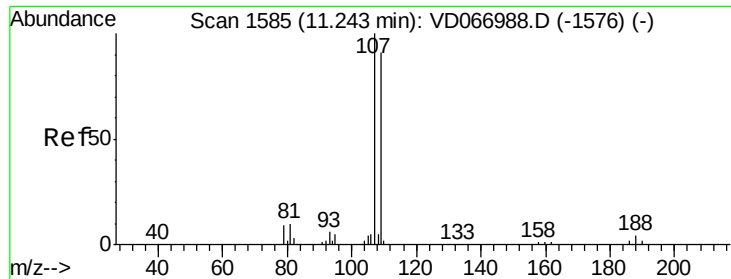
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#60  
Dibromochloromethane  
Concen: 49.207 ug/l  
RT: 11.14 min Scan# 1567  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

Tgt Ion: 129 Resp: 202888  
Ion Ratio Lower Upper  
129 100  
127 77.1 37.4 112.1





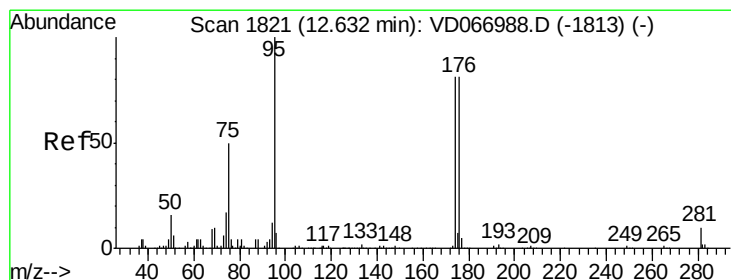
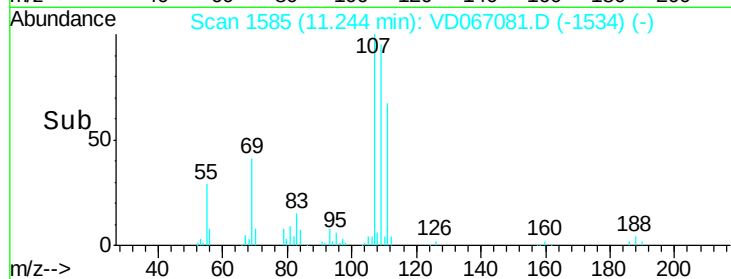
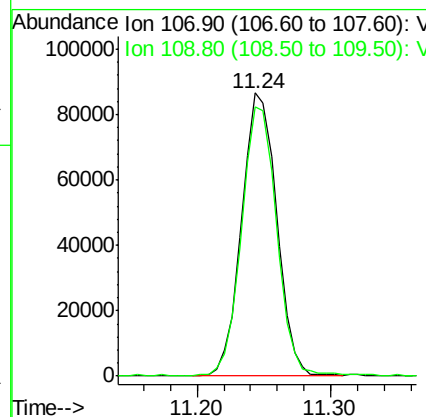
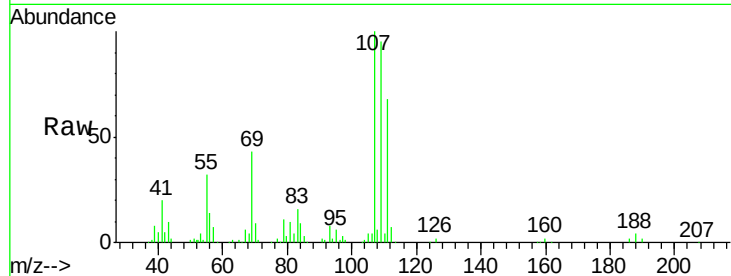
#61  
 1,2-Dibromoethane  
 Concen: 53.004 ug/l  
 RT: 11.24 min Scan# 1585  
 Delta R.T. 0.00 min  
 Lab File: VD067081.D  
 Acq: 05 Oct 2020 14:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-18(0-1)MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 157530 |       |       |
| 109     | 96.2  | 74.0   | 111.0 |       |

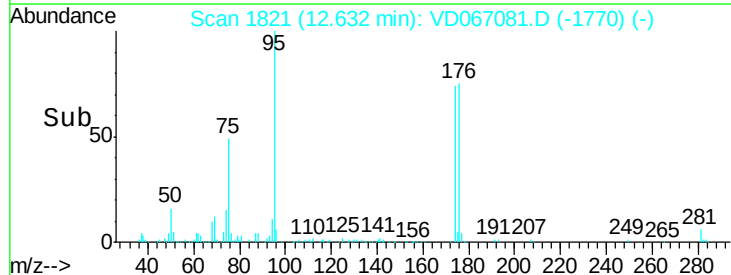
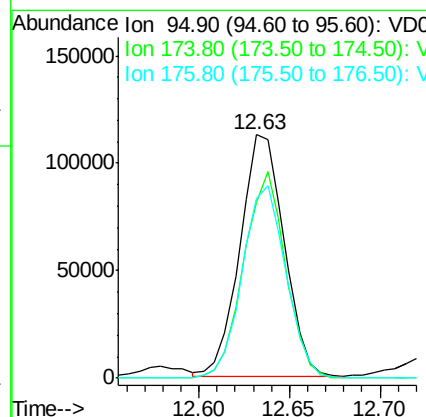
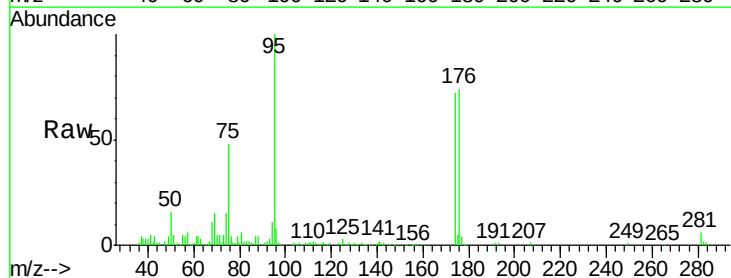
Manual Integrations  
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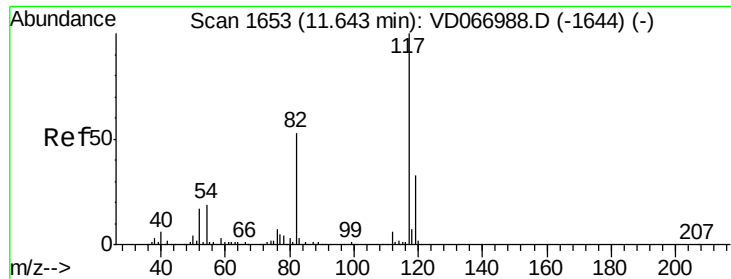
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#62  
 4-Bromofluorobenzene  
 Concen: 36.819 ug/l  
 RT: 12.63 min Scan# 1821  
 Delta R.T. 0.00 min  
 Lab File: VD067081.D  
 Acq: 05 Oct 2020 14:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 189764 |       |       |
| 174     | 81.3  | 0.0    | 167.6 |       |
| 176     | 78.9  | 0.0    | 162.4 |       |





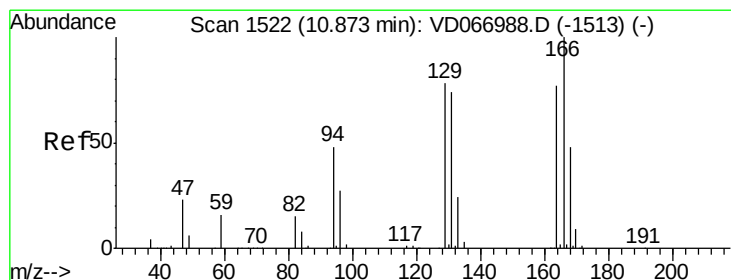
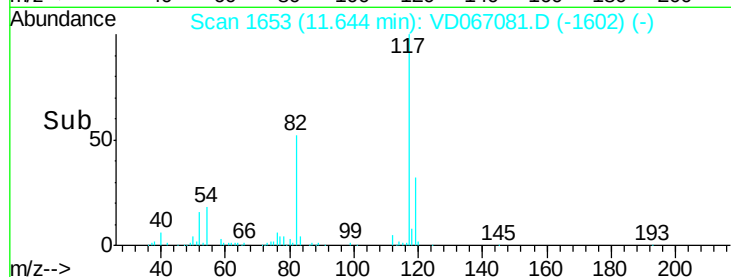
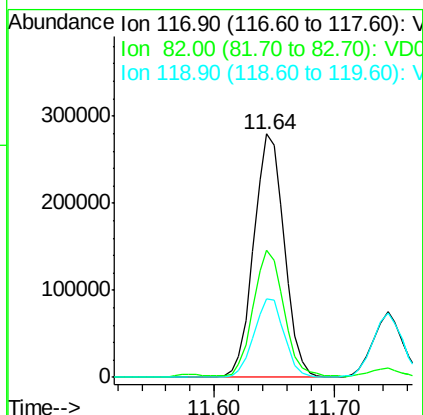
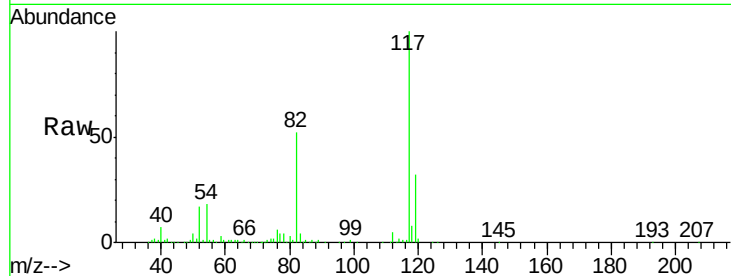
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 494197 |       |       |
| 82      | 51.8  | 42.6   | 63.8  |       |
| 119     | 32.2  | 26.3   | 39.5  |       |

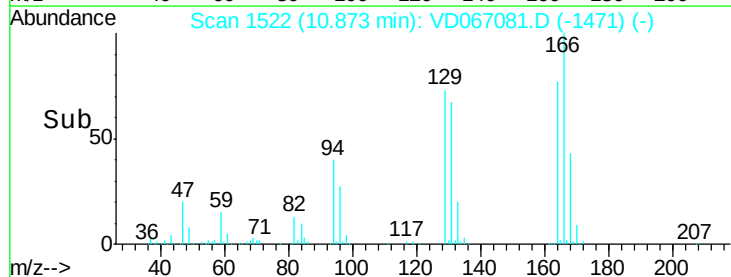
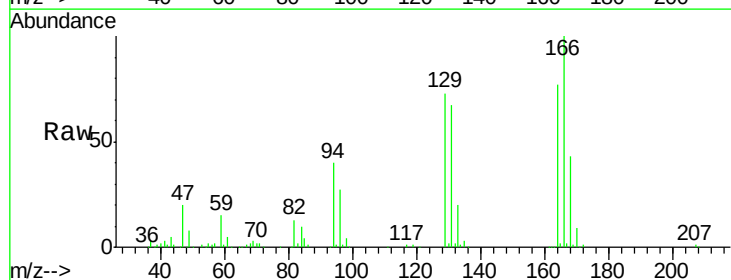
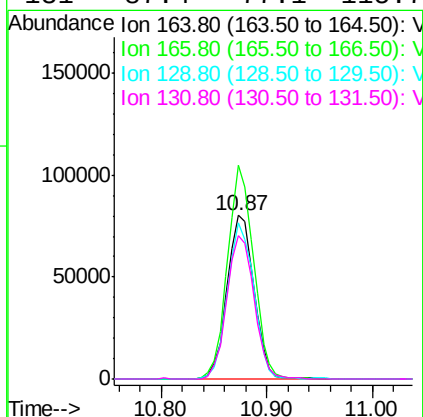
Manual Integrations  
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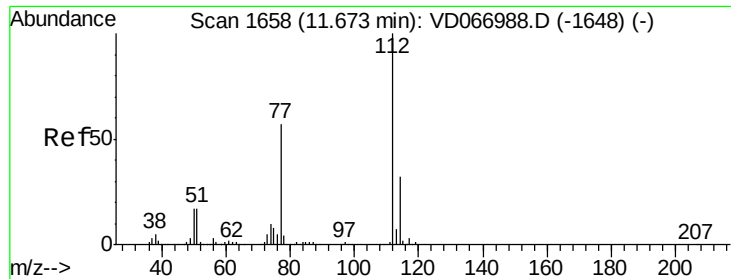
MMDadoda  
10/6/2020 12:55:12 PM



#64  
Tetrachloroethene  
Concen: 39.292 ug/l  
RT: 10.87 min Scan# 1522  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 141170 |       |       |
| 166     | 130.6 | 104.4  | 156.6 |       |
| 129     | 95.5  | 81.3   | 121.9 |       |
| 131     | 87.4  | 77.1   | 115.7 |       |





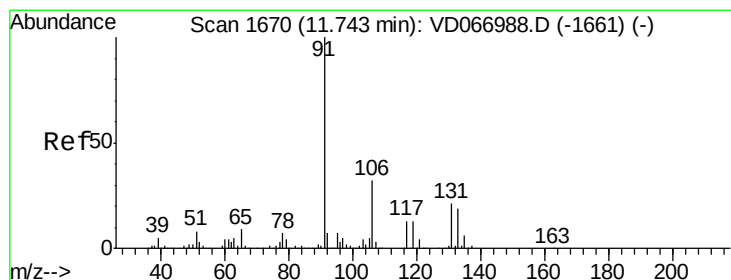
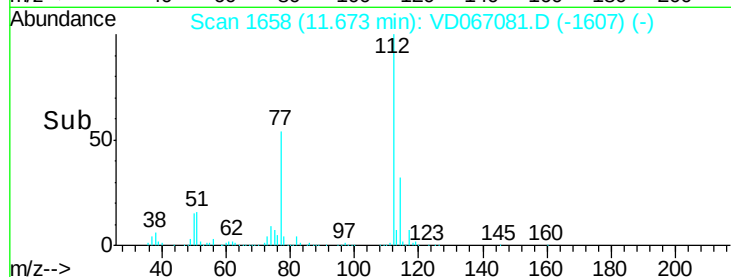
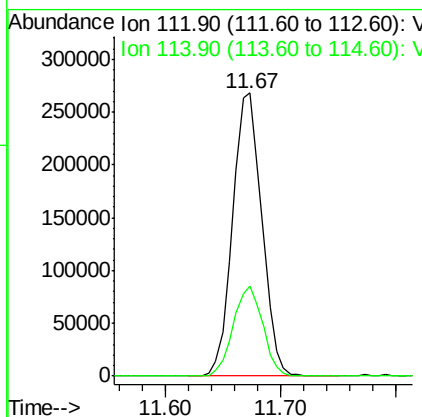
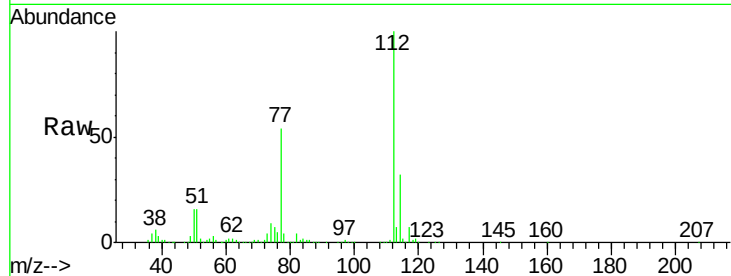
#65  
Chlorobenzene  
Concen: 47.880 ug/l  
RT: 11.67 min Scan# 1658  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.9  | 25.4  | 38.0  |

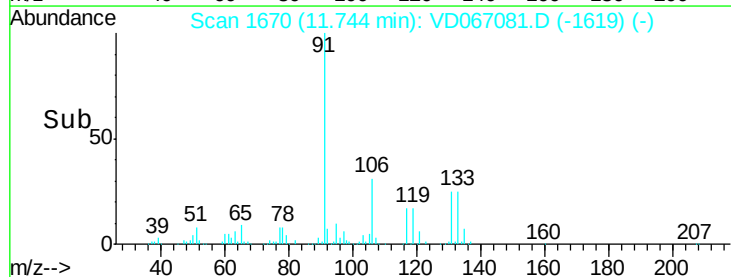
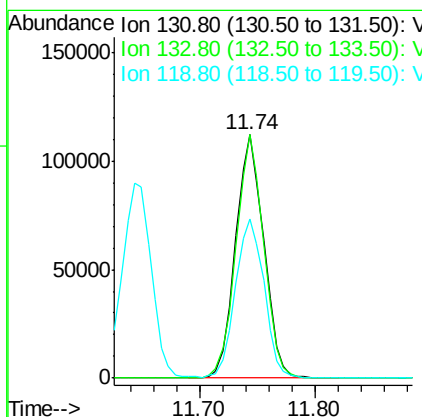
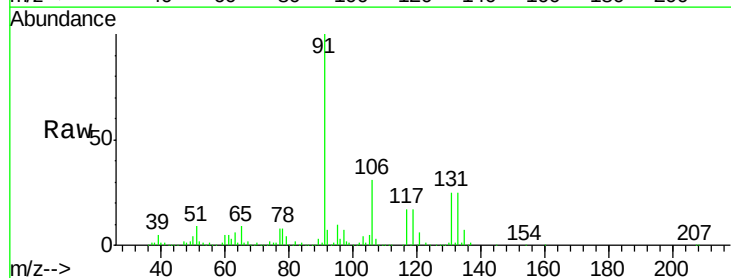
Manual Integrations  
APPROVED

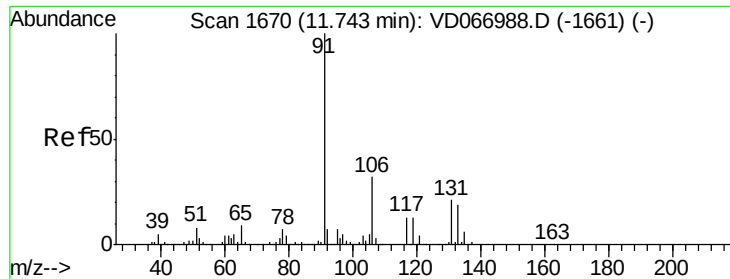
MMDadoda  
10/6/2020 12:55:12 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.864 ug/l  
RT: 11.74 min Scan# 1670  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 97.8  | 47.8  | 143.3 |
| 119     | 66.5  | 32.3  | 96.8  |





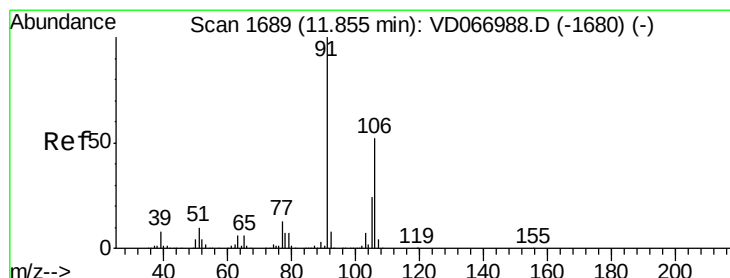
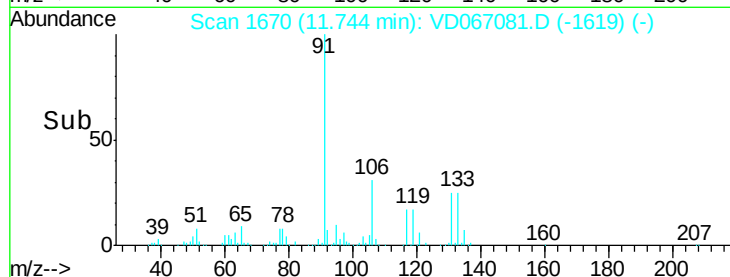
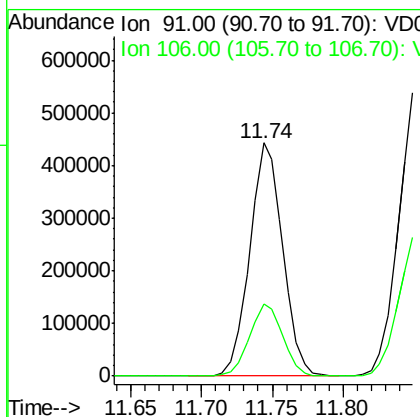
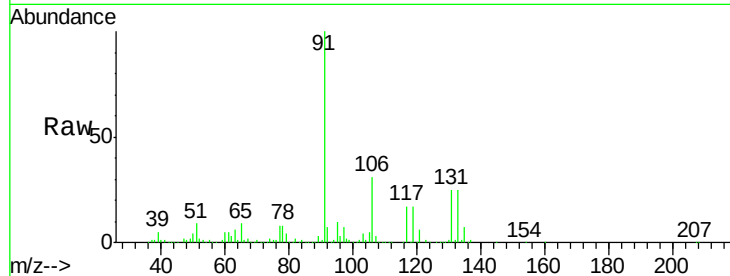
#67  
Ethyl Benzene  
Concen: 43.101 ug/l  
RT: 11.74 min Scan# 1670  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)MSD

Tot Ion: 91 Resp: 725862  
Ion Ratio Lower Upper  
91 100  
106 31.0 25.4 38.2

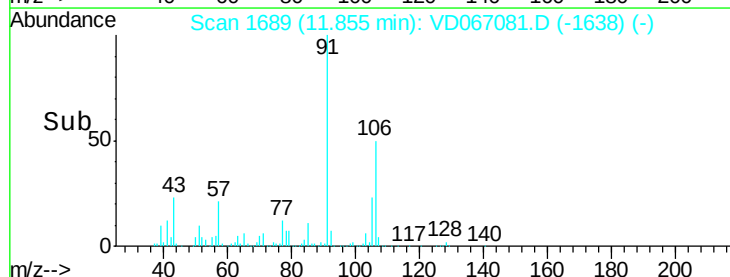
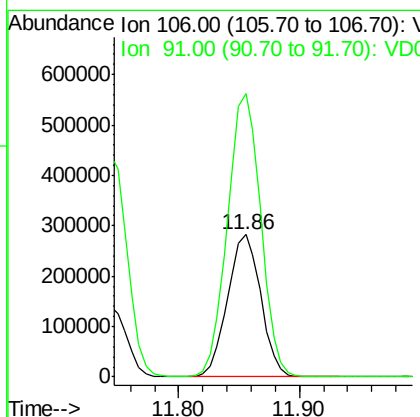
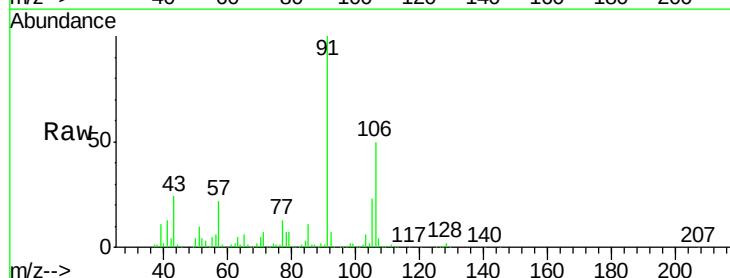
Manual Integrations  
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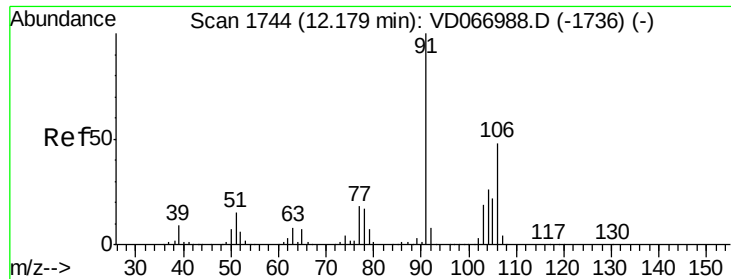
MMDadoda  
10/6/2020 12:55:12 PM



#68  
m/p-Xylenes  
Concen: 82.076 ug/l  
RT: 11.86 min Scan# 1689  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

Tgt Ion: 106 Resp: 538677  
Ion Ratio Lower Upper  
106 100  
91 200.1 158.4 237.6





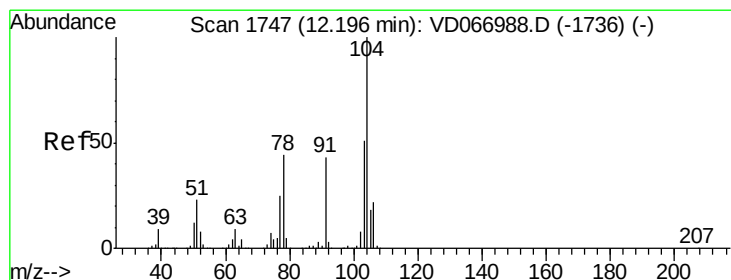
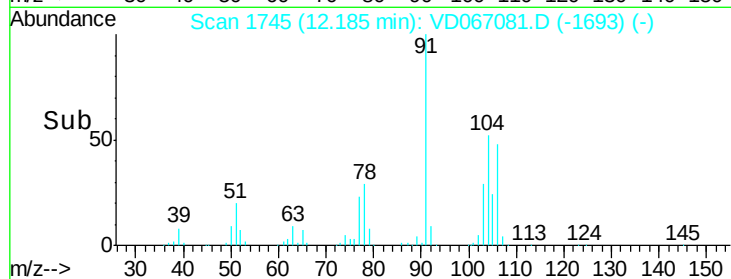
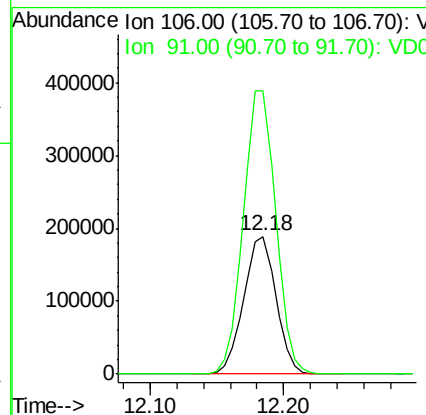
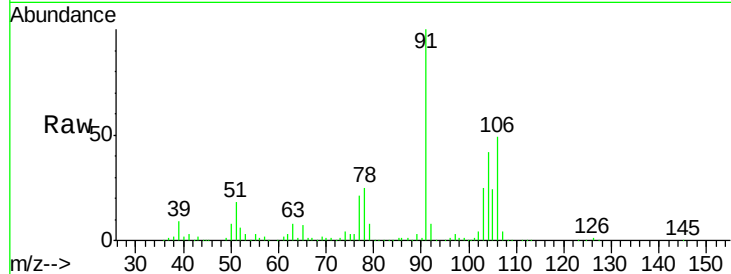
#69  
o-Xylene  
Concen: 54.031 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. 0.01 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)MSD

| Tot Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 317115  | 106 | 100   |       |       |       |
|         | 91  | 206.3 | 102.4 | 307.2 |       |

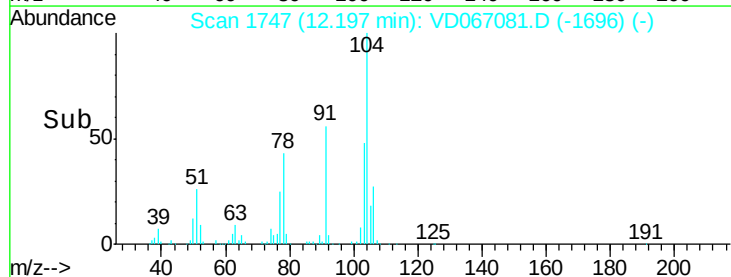
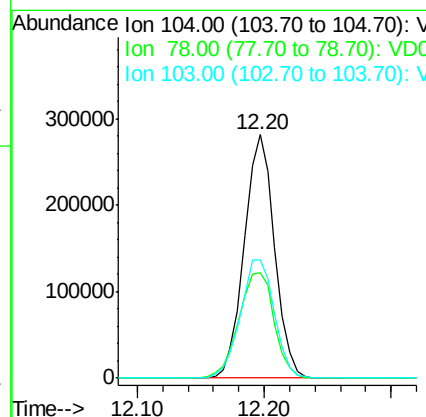
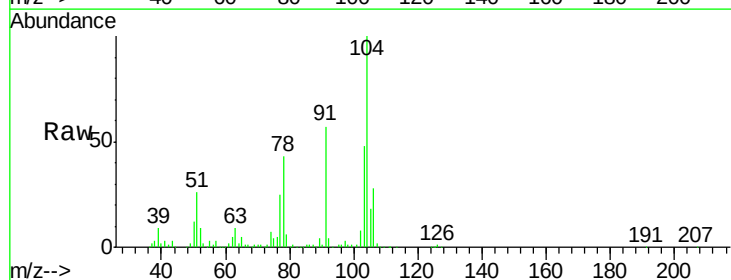
Manual Integrations  
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MMDadoda  
10/6/2020 12:55:12 PM

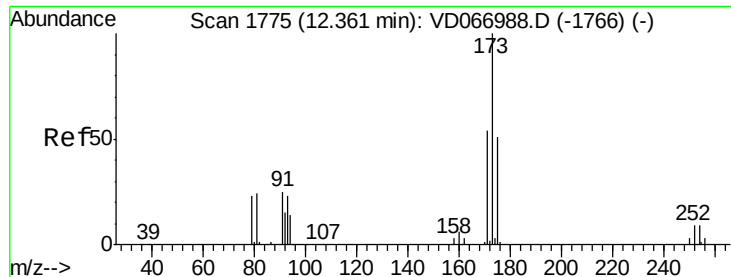


#70  
Styrene  
Concen: 46.337 ug/l  
RT: 12.20 min Scan# 1747  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 466996  | 104 | 100   |      |       |       |
|         | 78  | 50.8  | 38.6 | 58.0  |       |
|         | 103 | 54.7  | 43.4 | 65.0  |       |







#71

Bromoform

Concen: 55.182 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

Instrument :

MSVOA\_D

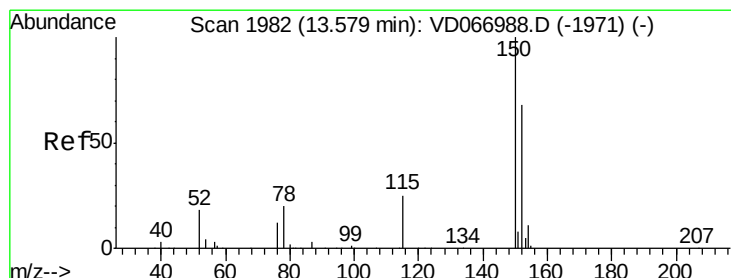
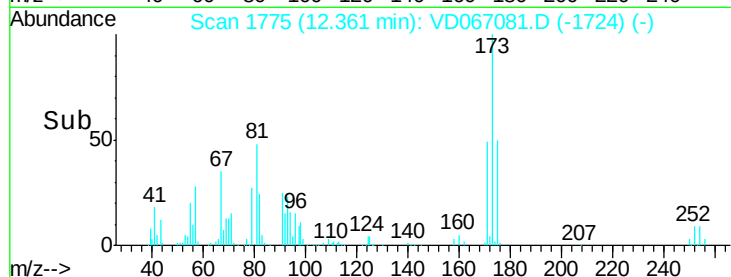
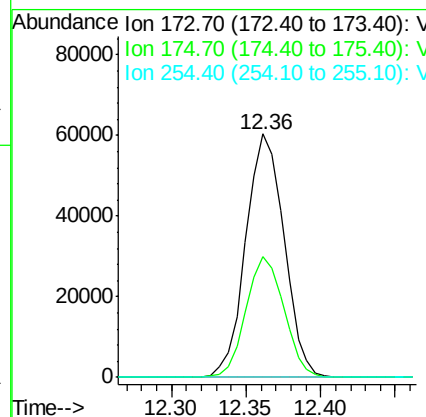
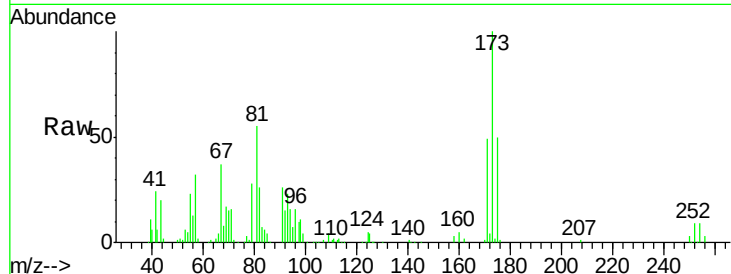
ClientSampleId :

B-18(0-1)MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 173   | Resp: | 107095 |
| Ion Ratio | Lower | Upper |        |
| 173       | 100   |       |        |
| 175       | 49.3  | 24.9  | 74.7   |
| 254       | 0.0   | 0.2   | 0.4#   |

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

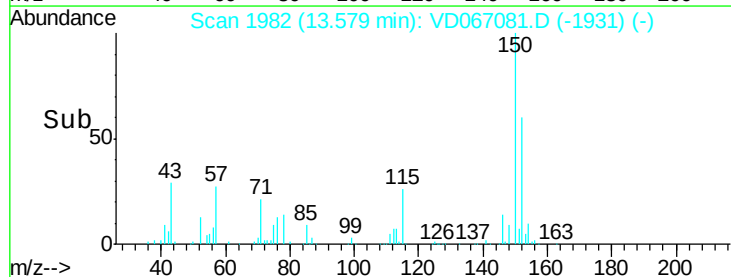
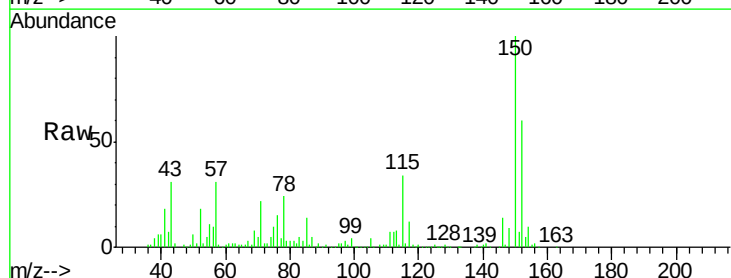
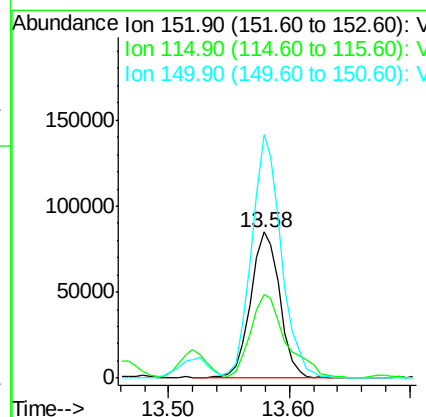
RT: 13.58 min Scan# 1982

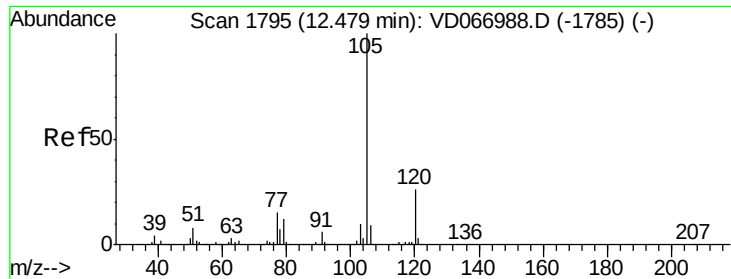
Delta R.T. 0.00 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 143078 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 68.8  | 29.6  | 88.8   |
| 150       | 169.6 | 0.0   | 344.8  |





#73

Isopropylbenzene

Concen: 50.714 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

Instrument :

MSVOA\_D

ClientSampleId :

B-18(0-1)MSD

Tot Ion:105 Resp: 492696

Ion Ratio Lower Upper

105 100

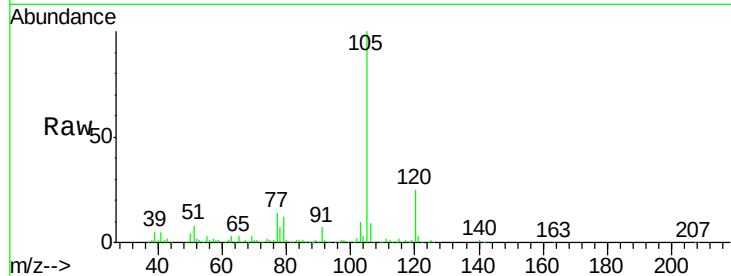
120 25.8 13.3 39.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

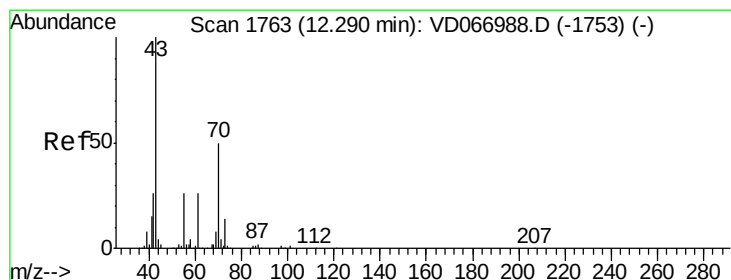
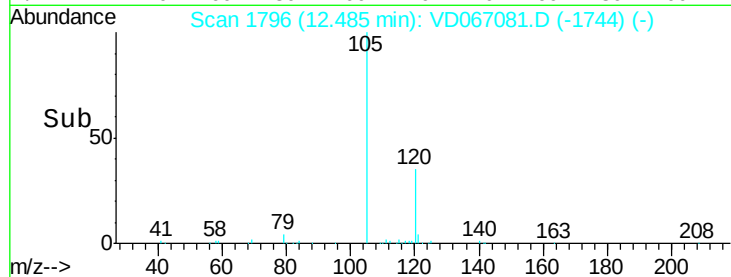
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 120.916 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

Tgt Ion: 43 Resp: 211176

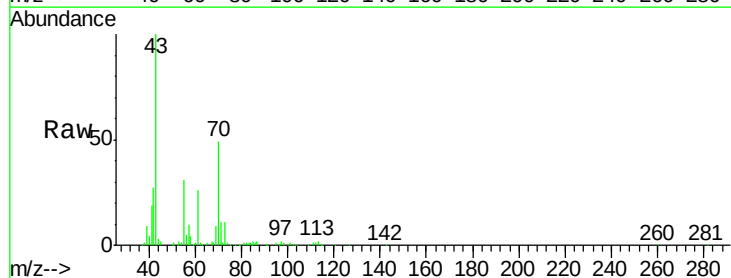
Ion Ratio Lower Upper

43 100

70 38.1 38.2 57.2#

55 25.3 22.4 33.6

61 20.6 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

12.29

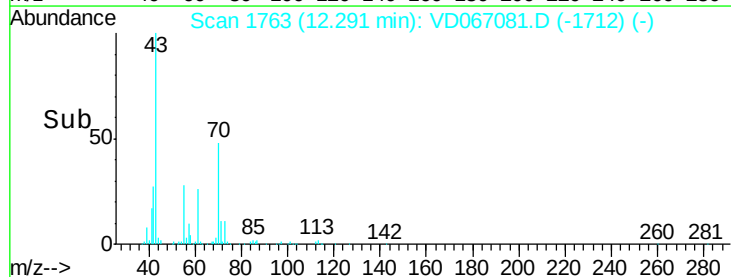
150000

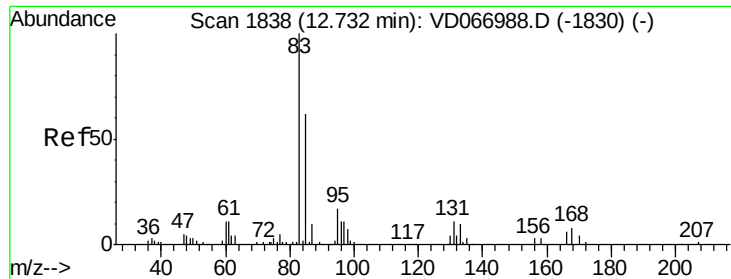
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 89.072 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

Instrument :

MSVOA\_D

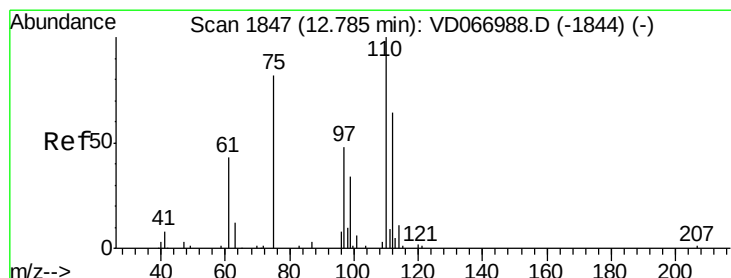
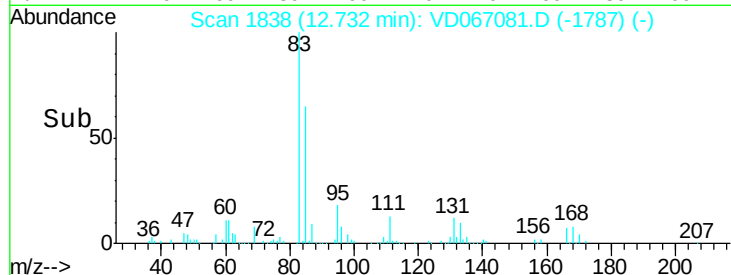
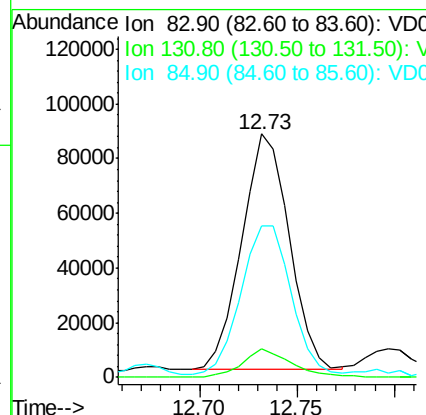
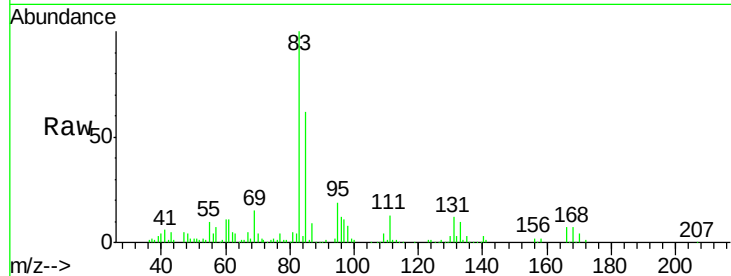
ClientSampleId :

B-18(0-1)MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 145800 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 131      | 12.3  | 5.7   | 17.0   |
| 85       | 68.6  | 32.0  | 96.2   |

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



#76

1,2,3-Trichloropropane

Concen: 84.496 ug/l m

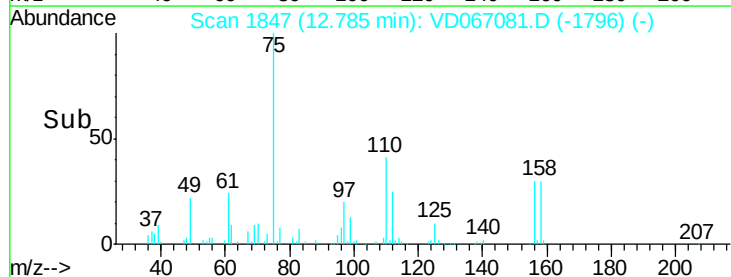
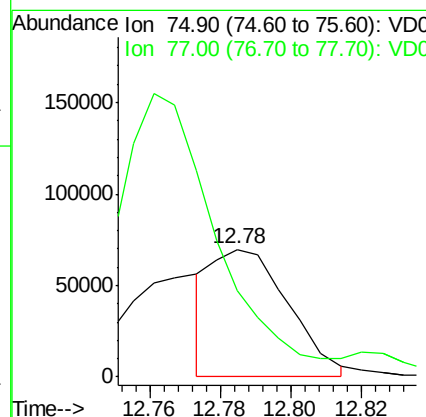
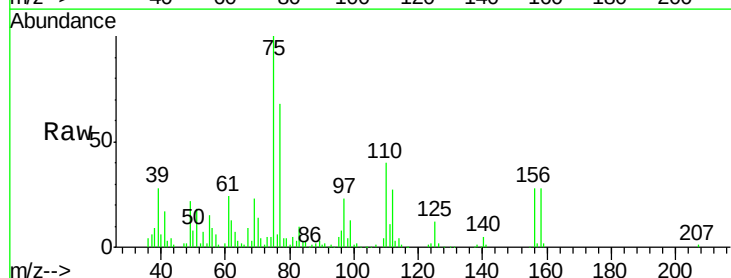
RT: 12.78 min Scan# 1847

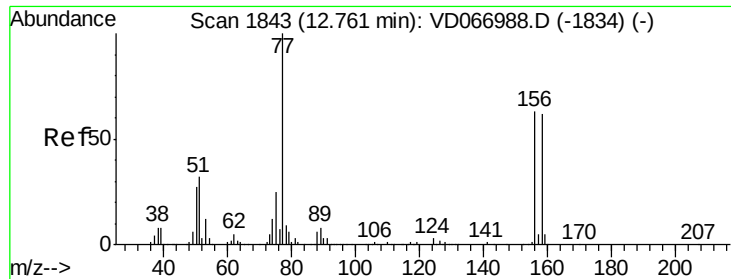
Delta R.T. 0.00 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 105304 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 77       | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 73.024 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

Instrument :

MSVOA\_D

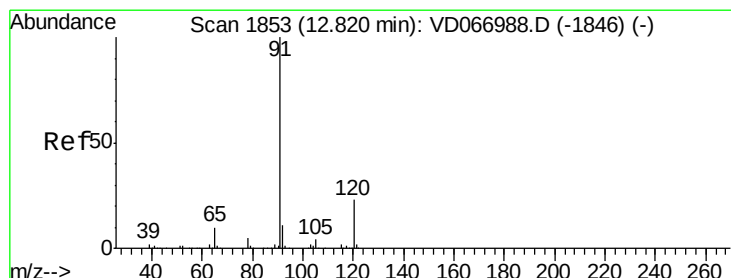
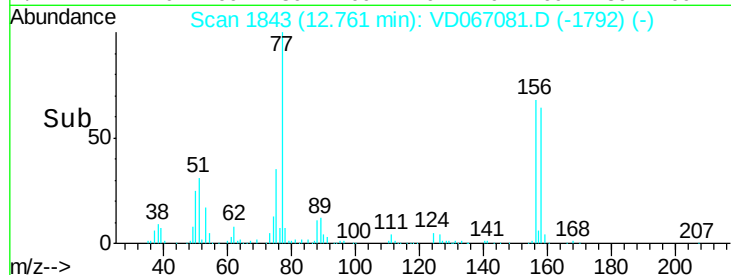
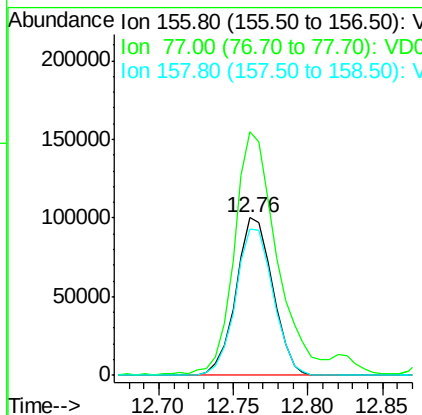
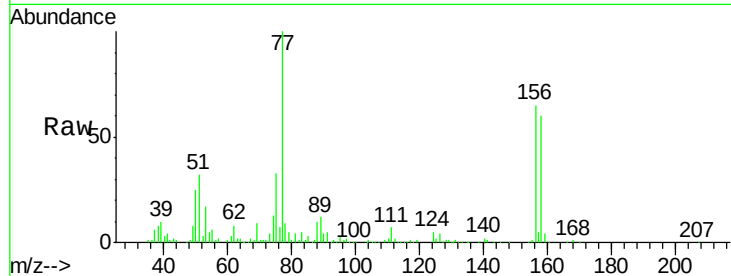
ClientSampleId :

B-18(0-1)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 177.4 | 86.3  | 258.8 |
| 158     | 95.3  | 49.5  | 148.3 |

Manual Integrations  
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#78

n-propylbenzene

Concen: 40.218 ug/l

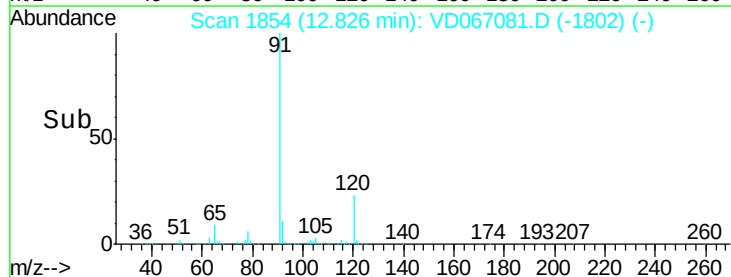
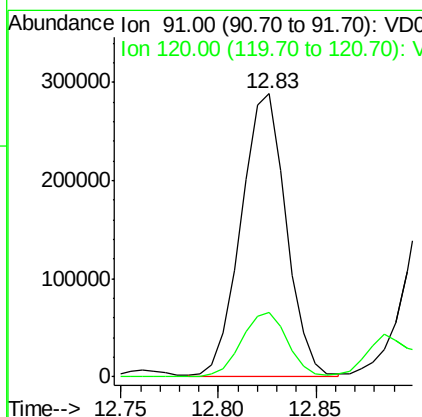
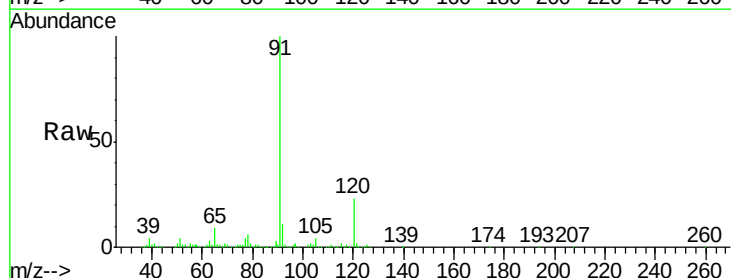
RT: 12.83 min Scan# 1854

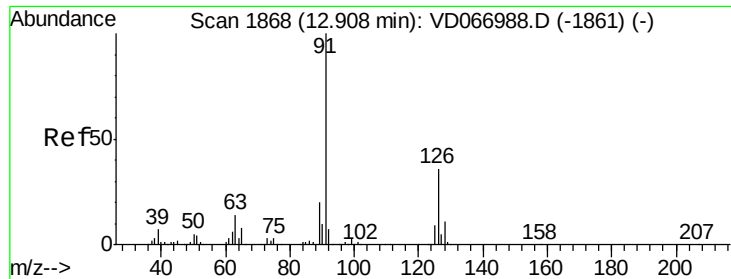
Delta R.T. 0.01 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 23.2  | 11.6  | 34.8  |





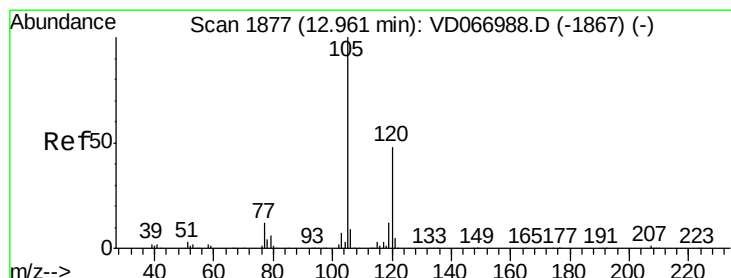
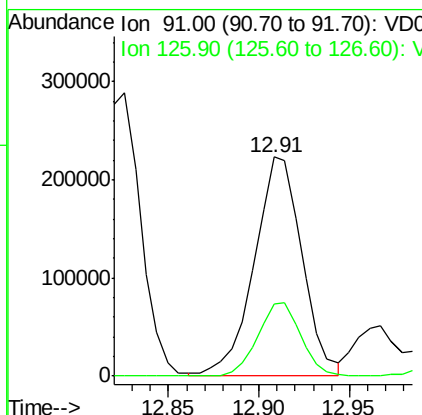
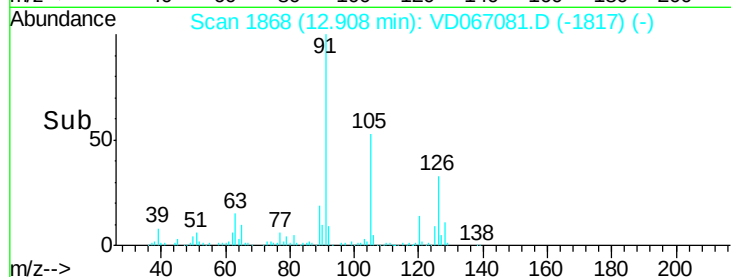
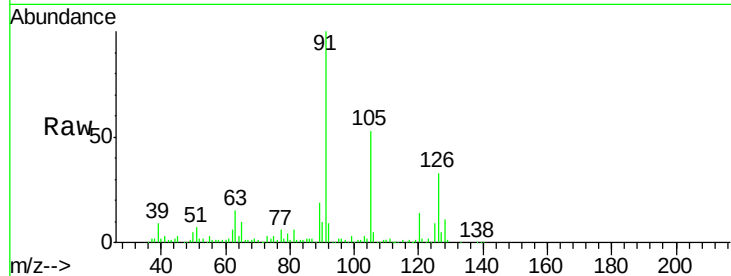
#79  
 2-Chlorotoluene  
 Concen: 62.066 ug/l  
 RT: 12.91 min Scan# 1868  
 Delta R.T. 0.00 min  
 Lab File: VD067081.D  
 Acq: 05 Oct 2020 14:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-18(0-1)MSD

Tot Ion: 91 Resp: 407724  
 Ion Ratio Lower Upper  
 91 100  
 126 30.7 17.5 52.6

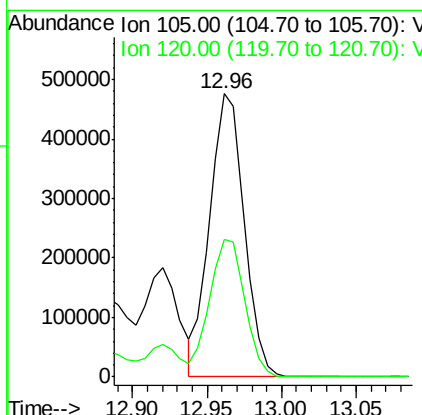
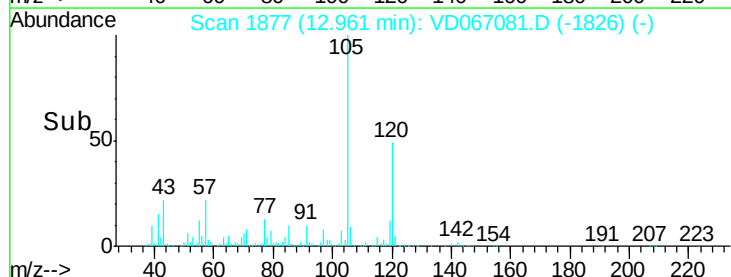
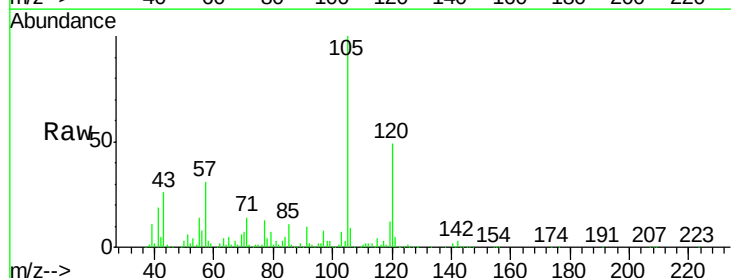
Manual Integrations  
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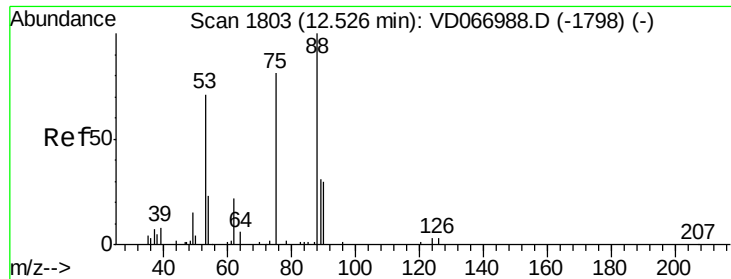
MMDadoda  
 10/6/2020 12:55:12 PM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 93.651 ug/l  
 RT: 12.96 min Scan# 1877  
 Delta R.T. 0.00 min  
 Lab File: VD067081.D  
 Acq: 05 Oct 2020 14:07

Tgt Ion: 105 Resp: 768709  
 Ion Ratio Lower Upper  
 105 100  
 120 49.6 24.6 74.0





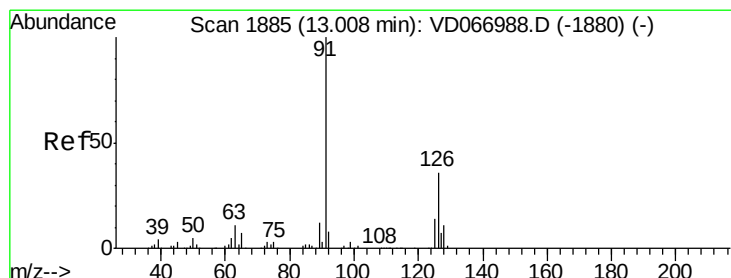
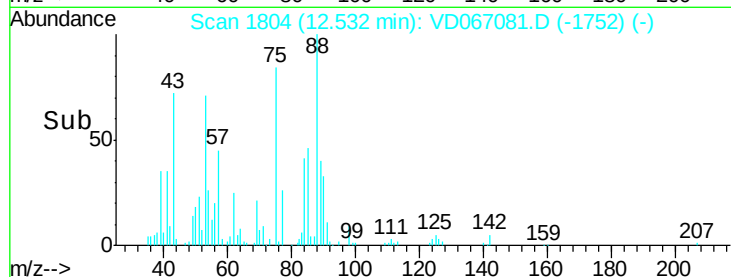
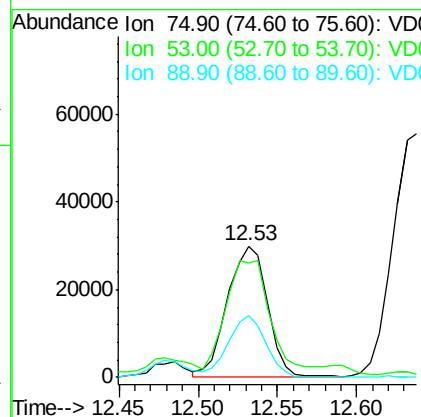
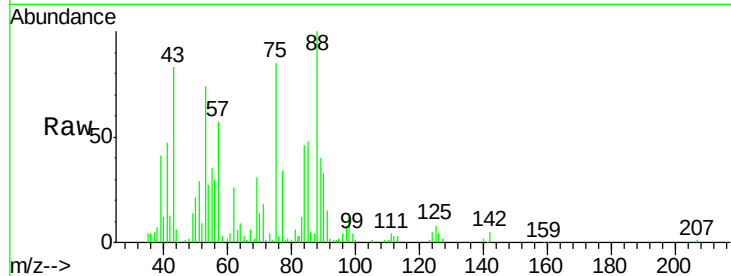
#81  
trans-1,4-Dichloro-2-butene  
Concen: 105.294 ug/l  
RT: 12.53 min Scan# 1804  
Delta R.T. 0.01 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 85.4  | 73.8  | 110.6 |
| 89      | 43.5  | 38.9  | 58.3  |

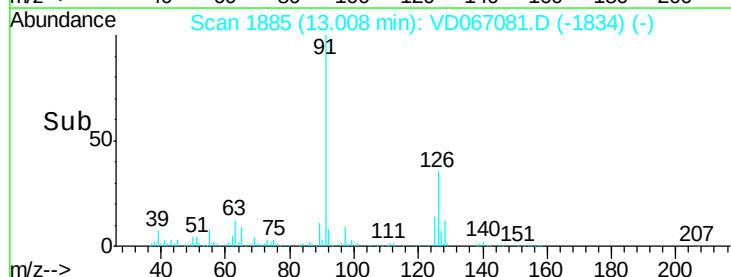
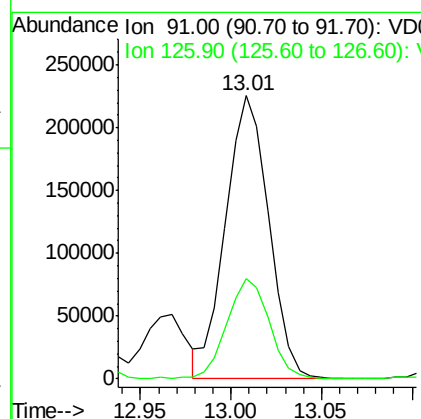
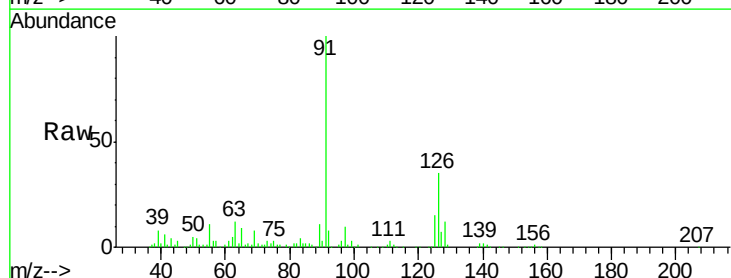
Manual Integrations  
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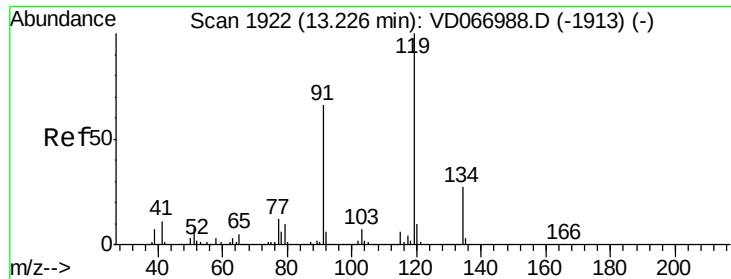
MMDadoda  
10/6/2020 12:55:12 PM



#82  
4-Chlorotoluene  
Concen: 52.942 ug/l  
RT: 13.01 min Scan# 1885  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.2  | 17.5  | 52.5  |





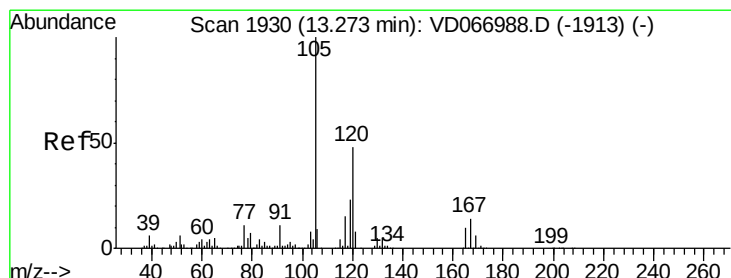
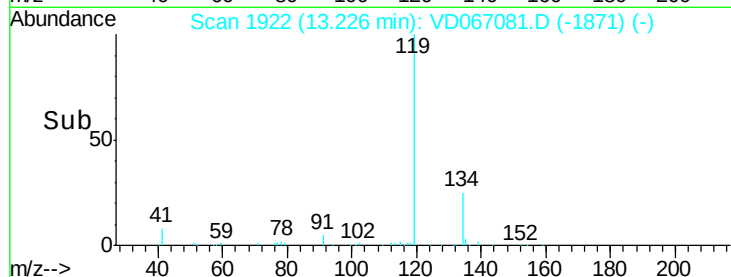
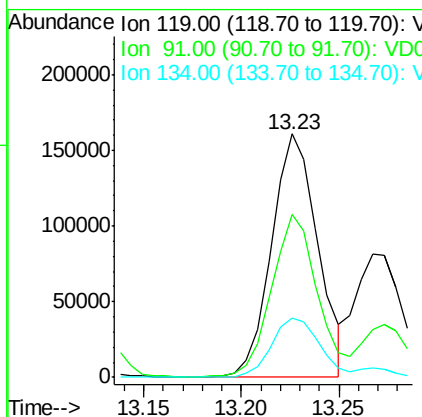
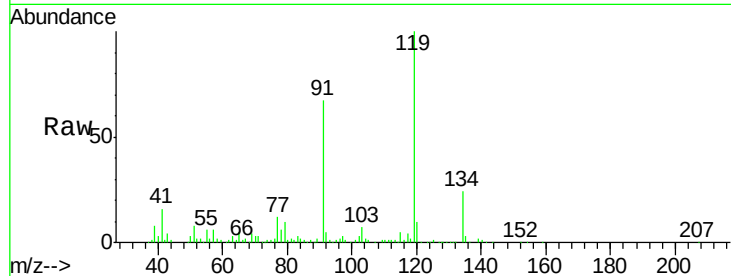
#83  
tert-Butylbenzene  
Concen: 38.139 ug/l  
RT: 13.23 min Scan# 1922  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 263618 |       |       |
| 91      | 66.0  |        | 32.8  | 98.3  |
| 134     | 25.2  |        | 13.9  | 41.7  |

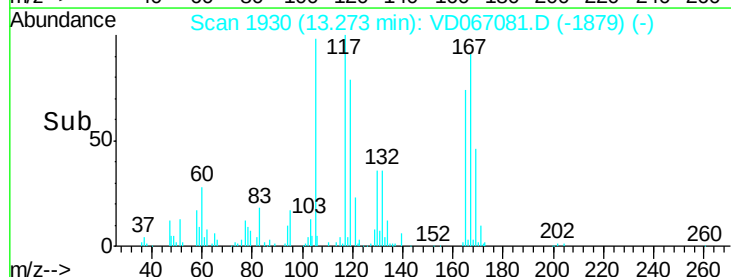
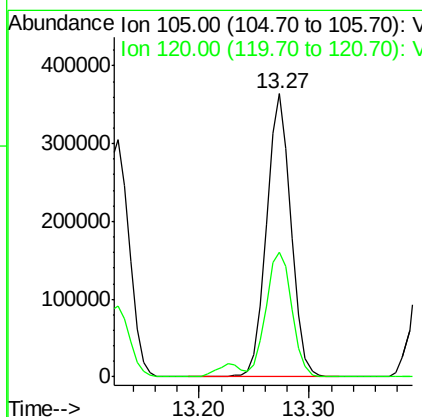
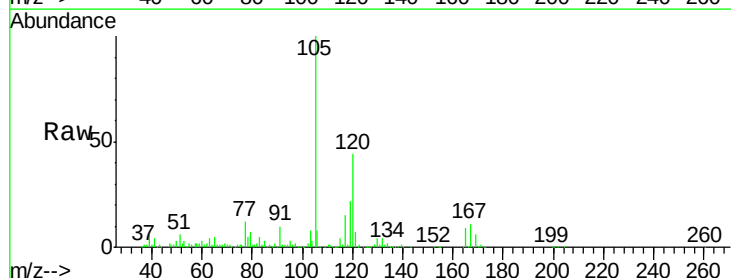
Manual Integrations  
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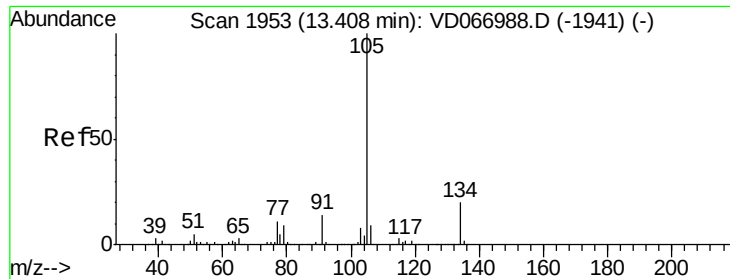
MMDadoda  
10/6/2020 12:55:12 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 68.625 ug/l  
RT: 13.27 min Scan# 1930  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 562142 |       |       |
| 120     | 46.7  |        | 23.3  | 69.8  |





#85

sec-Butylbenzene

Concen: 29.829 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

Instrument :

MSVOA\_D

ClientSampleId :

B-18(0-1)MSD

Tot Ion:105 Resp: 290351

Ion Ratio Lower Upper

105 100

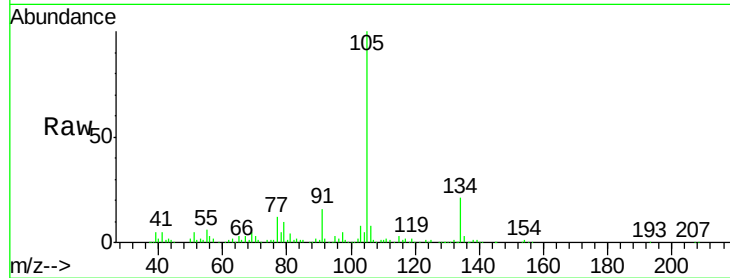
134 21.7 10.3 30.8

Manual Integrations

APPROVED

MMDadoda

10/6/2020 12:55:12 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

200000

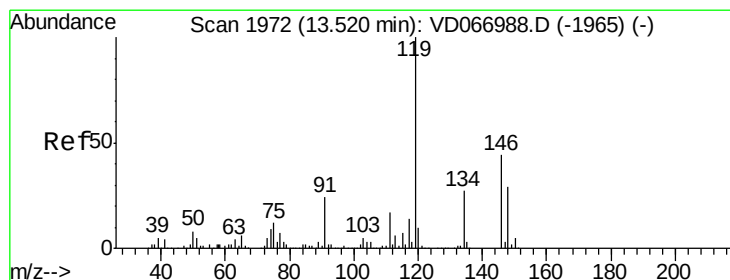
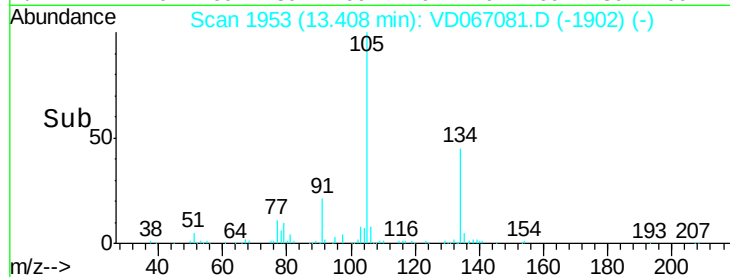
150000

100000

50000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 37.993 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

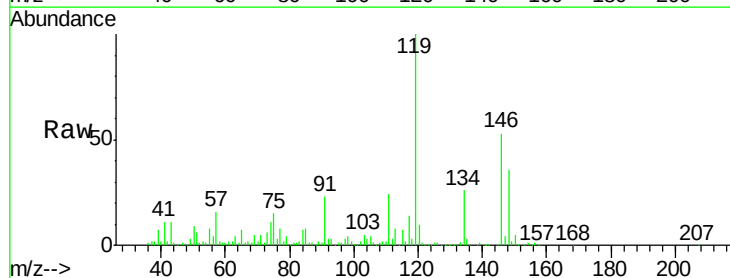
Tgt Ion:119 Resp: 342869

Ion Ratio Lower Upper

119 100

134 25.6 13.1 39.1

91 23.2 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

300000

250000

200000

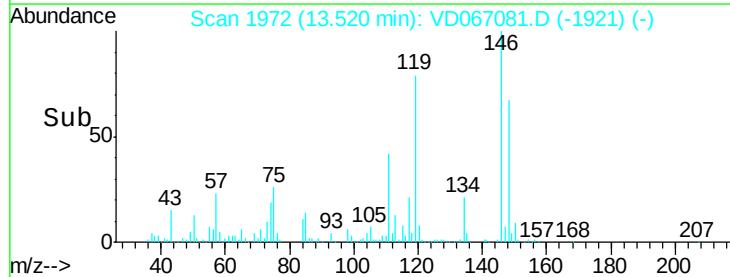
150000

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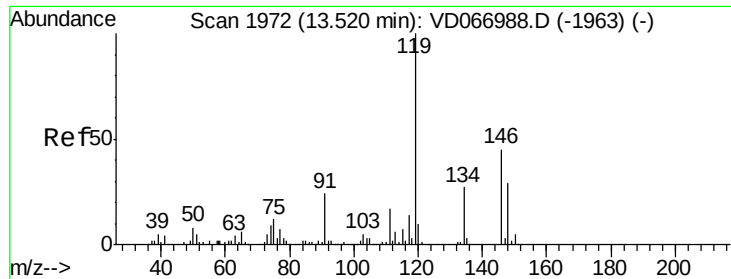
50000

0

Time--> 13.50 13.55







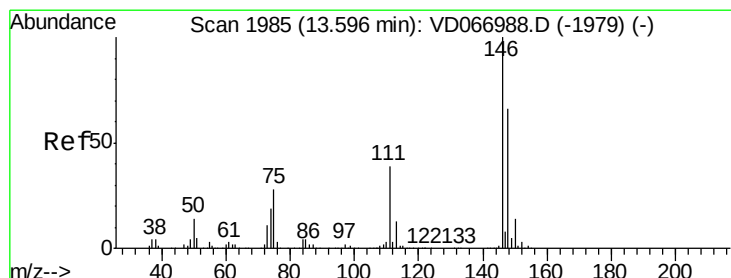
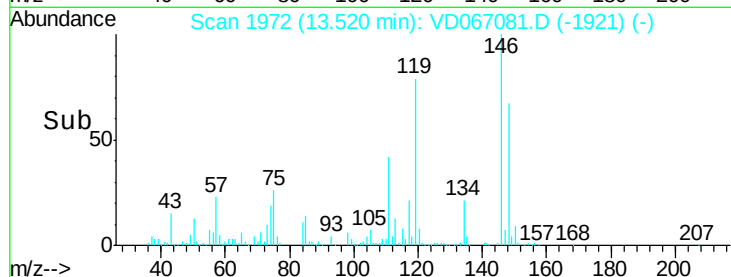
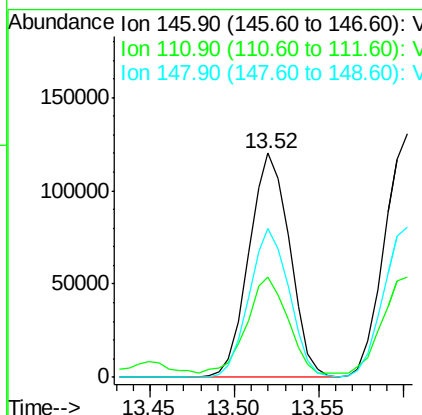
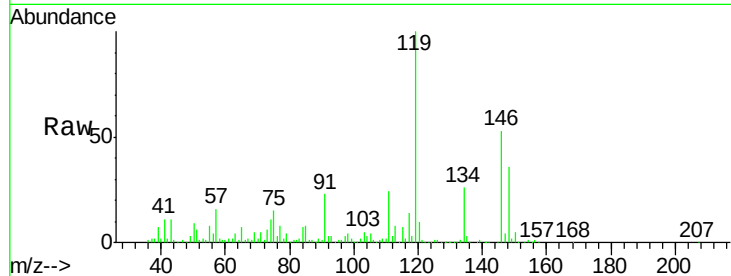
#87  
 1,3-Dichlorobenzene  
 Concen: 44.204 ug/l  
 RT: 13.52 min Scan# 1972  
 Delta R.T. 0.00 min  
 Lab File: VD067081.D  
 Acq: 05 Oct 2020 14:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-18(0-1)MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 201983 |       |       |
| 111     | 42.4  | 20.0   | 60.0  |       |
| 148     | 65.3  | 31.9   | 95.9  |       |

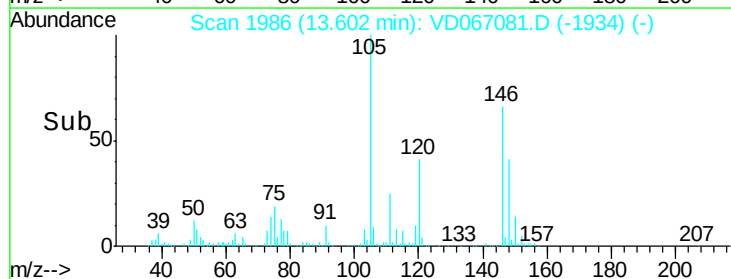
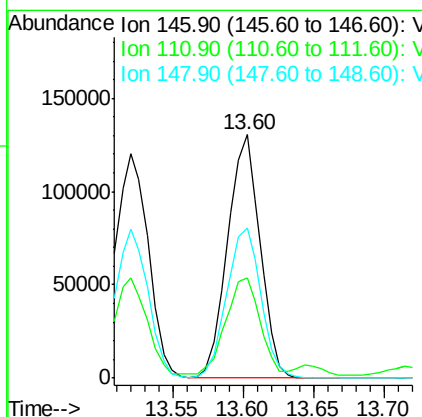
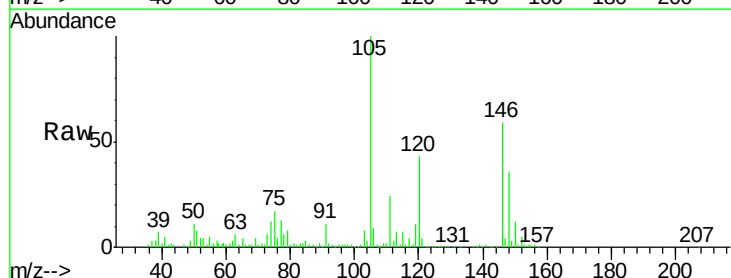
Manual Integrations  
 APPROVED

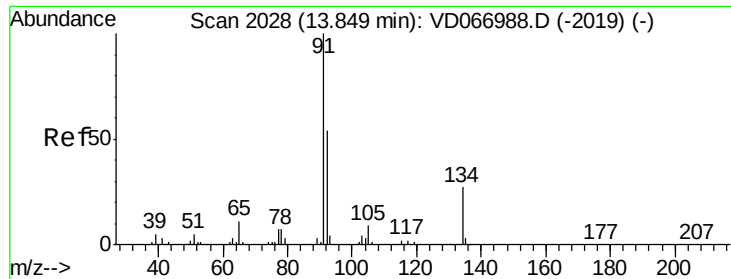
MMDadoda  
 10/6/2020 12:55:12 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 45.691 ug/l  
 RT: 13.60 min Scan# 1986  
 Delta R.T. 0.01 min  
 Lab File: VD067081.D  
 Acq: 05 Oct 2020 14:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 208756 |       |       |
| 111     | 41.2  | 19.6   | 58.7  |       |
| 148     | 64.9  | 32.6   | 97.7  |       |





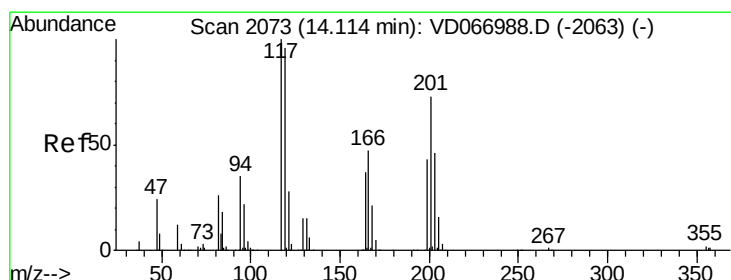
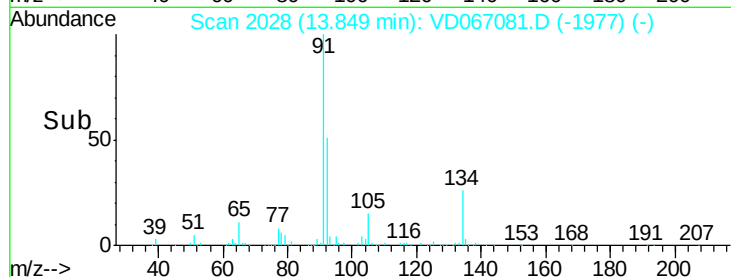
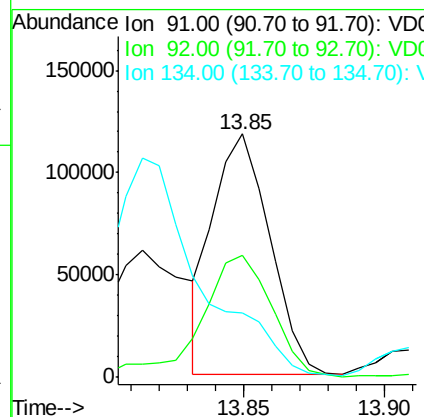
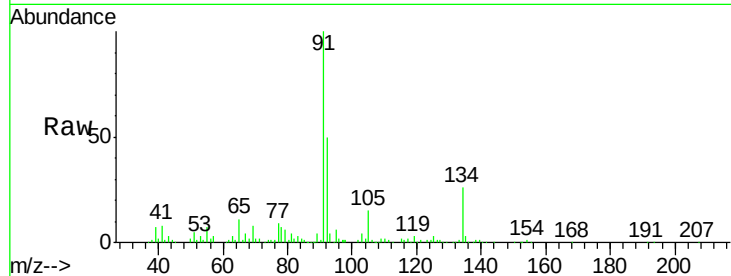
#89  
n-Butylbenzene  
Concen: 19.821 ug/l  
RT: 13.85 min Scan# 2028  
Delta R.T. 0.00 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
B-18(0-1)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 62.2  | 27.1  | 81.2  |
| 134     | 0.0   | 13.6  | 40.8# |

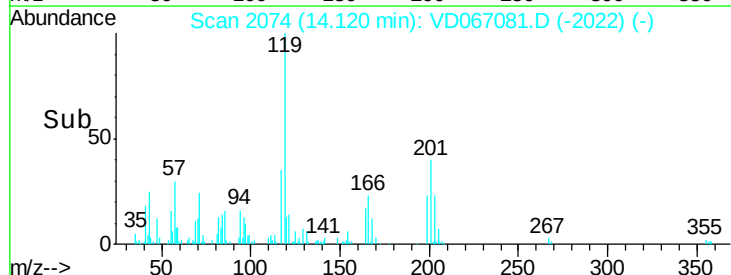
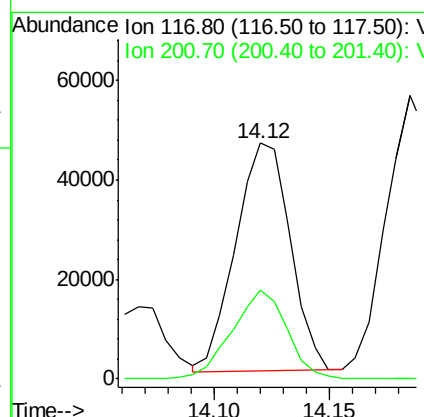
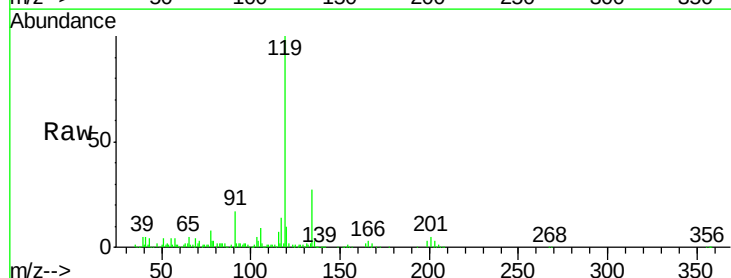
Manual Integrations  
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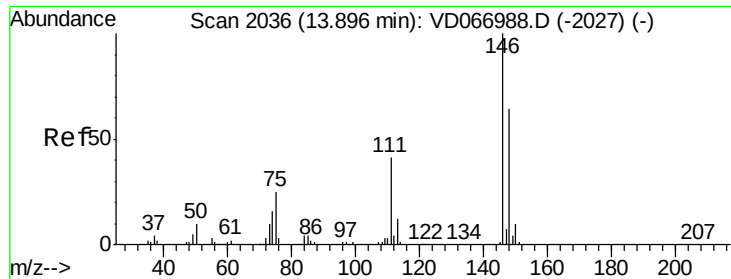
MMDadoda  
10/6/2020 12:55:12 PM



#90  
Hexachloroethane  
Concen: 47.645 ug/l  
RT: 14.12 min Scan# 2074  
Delta R.T. 0.01 min  
Lab File: VD067081.D  
Acq: 05 Oct 2020 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 38.9  | 37.0  | 110.9 |





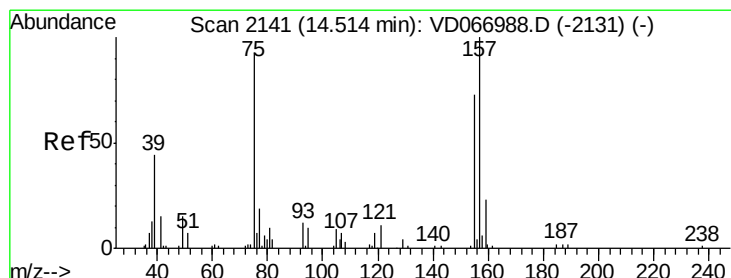
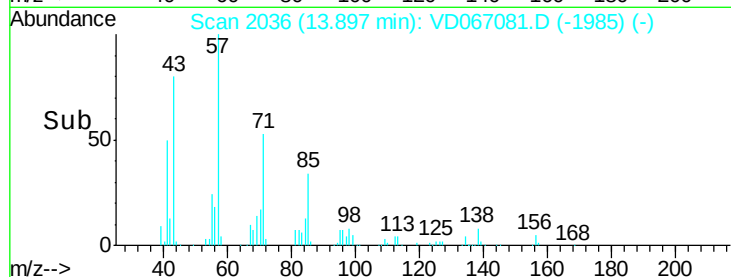
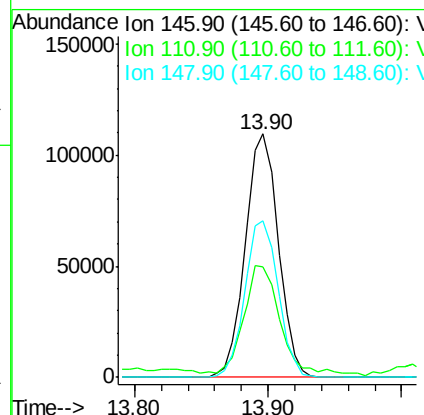
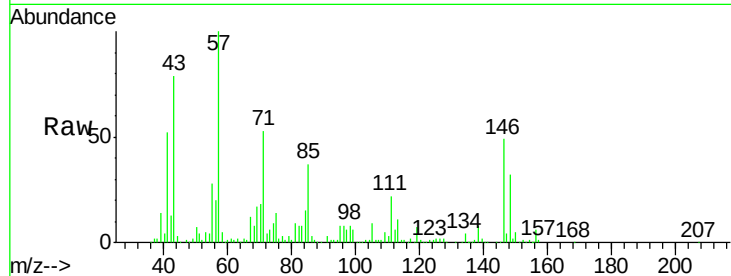
#91  
 1,2-Dichlorobenzene  
 Concen: 46.789 ug/l  
 RT: 13.90 min Scan# 2036  
 Delta R.T. 0.00 min  
 Lab File: VD067081.D  
 Acq: 05 Oct 2020 14:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-18(0-1)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 49.8  | 20.9  | 62.7  |
| 148     | 65.0  | 32.3  | 96.9  |

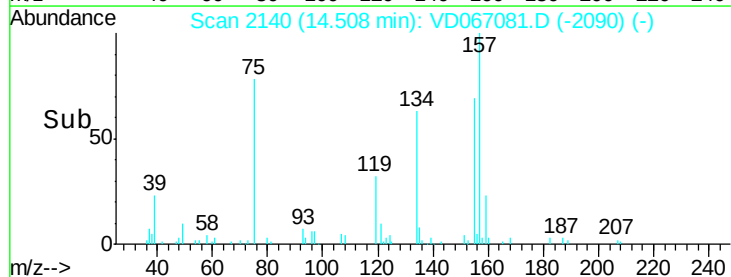
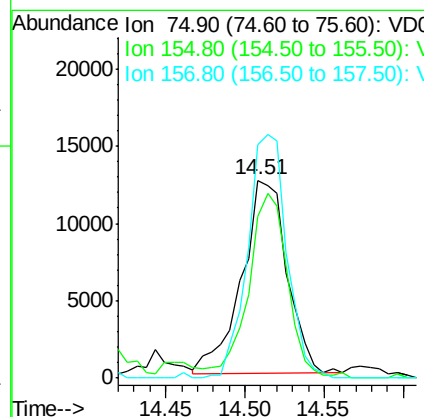
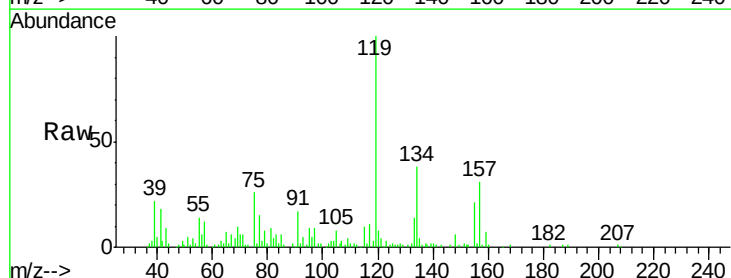
Manual Integrations  
 APPROVED

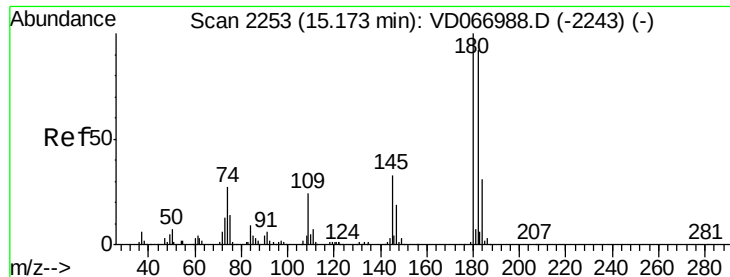
MMDadoda  
 10/6/2020 12:55:12 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 94.250 ug/l  
 RT: 14.51 min Scan# 2140  
 Delta R.T. -0.01 min  
 Lab File: VD067081.D  
 Acq: 05 Oct 2020 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 83.0  | 45.2  | 135.6 |
| 157     | 109.2 | 56.3  | 168.8 |





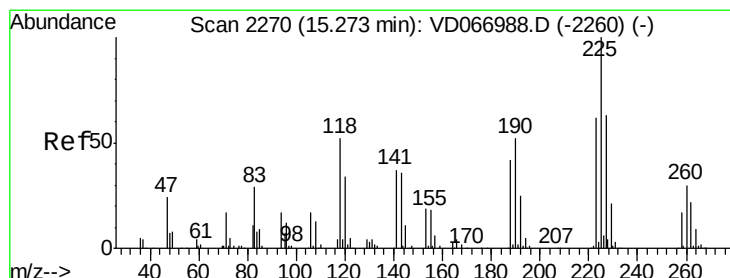
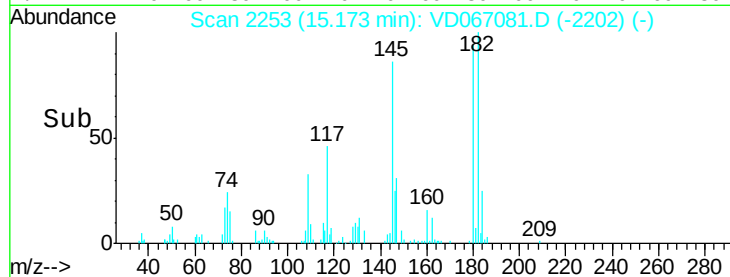
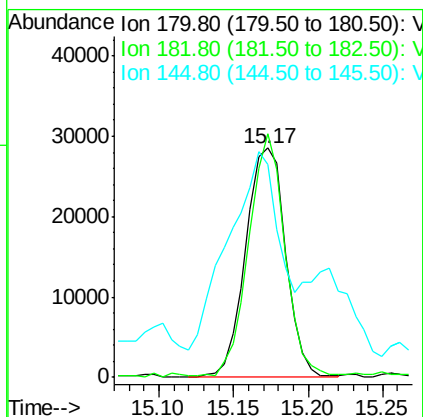
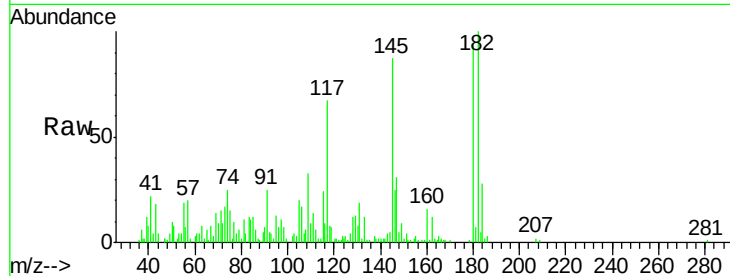
#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.451 ug/l  
 RT: 15.17 min Scan# 2253  
 Delta R.T. 0.00 min  
 Lab File: VD067081.D  
 Acq: 05 Oct 2020 14:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B-18(0-1)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.0  | 47.3  | 142.0 |
| 145     | 110.4 | 16.4  | 49.1  |

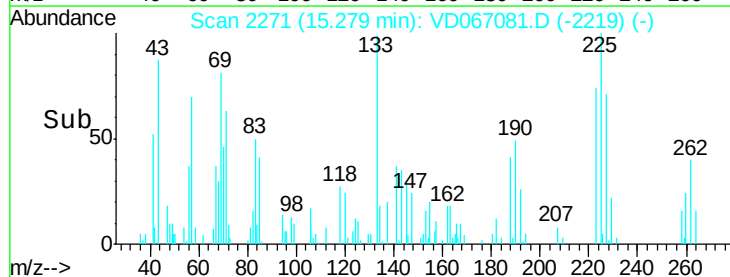
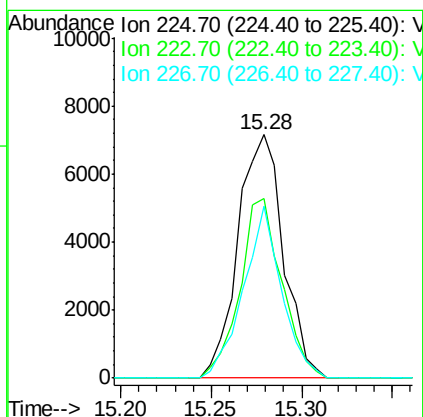
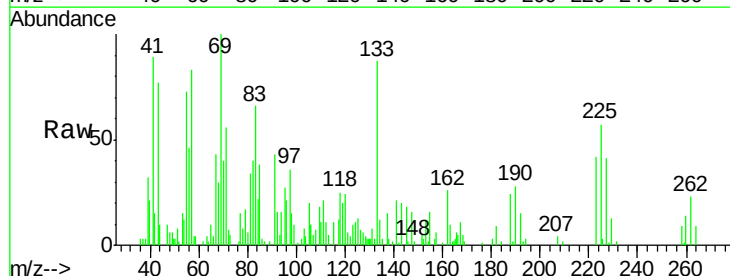
Manual Integrations  
 APPROVED

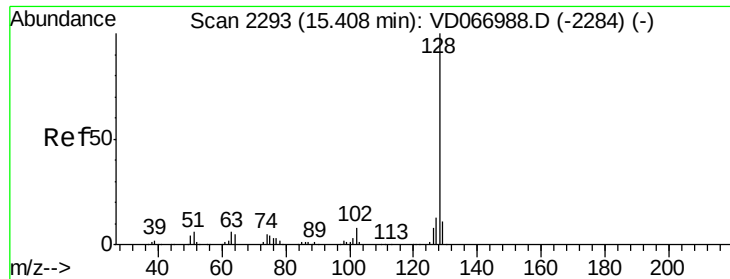
MMDadoda  
 10/6/2020 12:55:12 PM



#94  
 Hexachlorobutadiene  
 Concen: 7.863 ug/l  
 RT: 15.28 min Scan# 2271  
 Delta R.T. 0.01 min  
 Lab File: VD067081.D  
 Acq: 05 Oct 2020 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 67.8  | 32.4  | 97.0  |
| 227     | 59.5  | 31.6  | 95.0  |





#95

Naphthalene

Concen: 106.817 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

Instrument :

MSVOA\_D

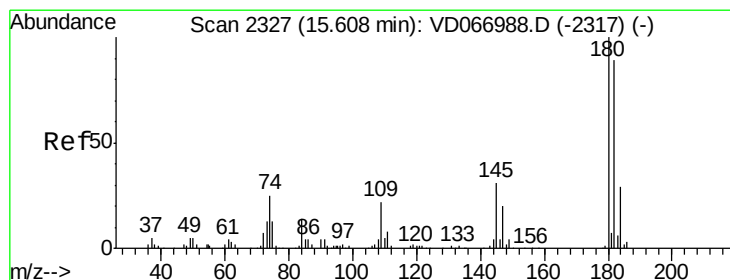
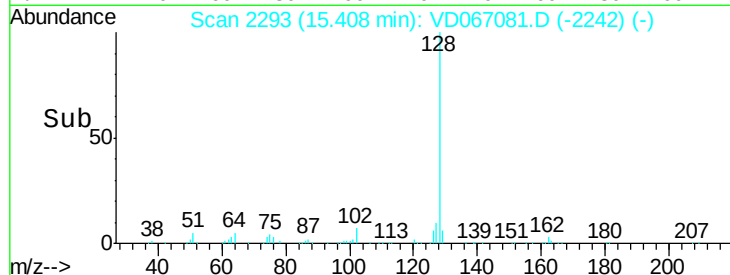
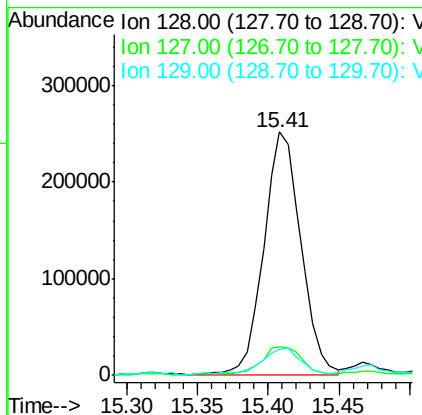
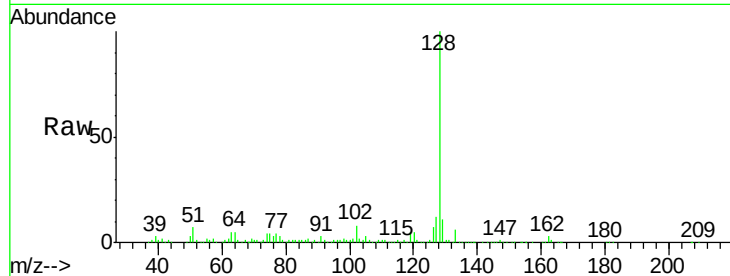
ClientSampleId :

B-18(0-1)MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 459890 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.8  | 10.3  | 15.5   |
| 129       | 11.6  | 8.6   | 13.0   |

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



#96

1,2,3-Trichlorobenzene

Concen: 19.875 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD067081.D

Acq: 05 Oct 2020 14:07

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 44535 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 99.8  | 46.4  | 139.1 |
| 145       | 122.7 | 16.6  | 49.7# |

