

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD110119\  
 Data File : VD064148.D  
 Acq On : 01 Nov 2019 13:00  
 Operator : VA/SY  
 Sample : VD1101SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1101SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 11/4/2019 11:50:57 AM

Quant Time: Nov 01 18:18:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D102919S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 30 08:00:10 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 208415   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 318405   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 302197   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 162886   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.33   | 65  | 83869    | 50.60 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.20% |      |
| 35) Dibromofluoromethane  | 7.91   | 113 | 96618    | 49.32 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.64%  |      |
| 50) Toluene-d8            | 10.34  | 98  | 387411   | 49.45 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.90%  |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 123995   | 47.74 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.48%  |      |

## Target Compounds

|                               |      |     |        |        |        | Qvalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 42672  | 20.051 | ug/l   | 94     |
| 3) Chloromethane              | 2.21 | 50  | 71173  | 20.044 | ug/l   | 100    |
| 4) Vinyl Chloride             | 2.35 | 62  | 81606  | 21.193 | ug/l   | 97     |
| 5) Bromomethane               | 2.76 | 94  | 49453  | 19.707 | ug/l   | 97     |
| 6) Chloroethane               | 2.92 | 64  | 48691  | 20.359 | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 108034 | 20.381 | ug/l   | 90     |
| 8) Diethyl Ether              | 3.70 | 74  | 18087  | 19.630 | ug/l   | 91     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.08 | 101 | 36662  | 19.192 | ug/l   | 98     |
| 10) Methyl Iodide             | 4.29 | 142 | 44353  | 18.741 | ug/l # | 95     |
| 11) Tert butyl alcohol        | 5.26 | 59  | 8378m  | 91.857 | ug/l   |        |
| 12) 1,1-Dichloroethene        | 4.06 | 96  | 38242  | 21.153 | ug/l # | 87     |
| 13) Acrolein                  | 3.92 | 56  | 8274   | 78.287 | ug/l   | 88     |
| 14) Allyl chloride            | 4.71 | 41  | 41856  | 19.780 | ug/l   | 99     |
| 15) Acrylonitrile             | 5.42 | 53  | 31854  | 93.594 | ug/l   | 98     |
| 16) Acetone                   | 4.17 | 43  | 27219  | 86.306 | ug/l   | 99     |
| 17) Carbon Disulfide          | 4.40 | 76  | 118513 | 21.332 | ug/l # | 88     |
| 18) Methyl Acetate            | 4.71 | 43  | 16416  | 19.568 | ug/l   | 93     |
| 19) Methyl tert-butyl Ether   | 5.47 | 73  | 66945  | 18.248 | ug/l # | 90     |
| 20) Methylene Chloride        | 4.96 | 84  | 51748  | 23.526 | ug/l   | 87     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96  | 42811  | 21.095 | ug/l # | 81     |
| 22) Diisopropyl ether         | 6.37 | 45  | 91146  | 19.449 | ug/l   | 96     |
| 23) Vinyl Acetate             | 6.31 | 43  | 253175 | 98.558 | ug/l   | 95     |
| 24) 1,1-Dichloroethane        | 6.26 | 63  | 64617  | 20.419 | ug/l   | 99     |
| 25) 2-Butanone                | 7.22 | 43  | 39328  | 90.202 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 57467  | 19.133 | ug/l   | 96     |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 44770  | 19.715 | ug/l   | 99     |
| 28) Bromochloromethane        | 7.54 | 49  | 18345  | 16.453 | ug/l   | 93     |
| 29) Tetrahydrofuran           | 7.57 | 42  | 22660  | 89.052 | ug/l   | 93     |
| 30) Chloroform                | 7.71 | 83  | 74273  | 20.511 | ug/l   | 94     |
| 31) Cyclohexane               | 7.98 | 56  | 58089  | 18.841 | ug/l   | 94     |
| 32) 1,1,1-Trichloroethane     | 7.90 | 97  | 67628  | 20.063 | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 57536  | 19.284 | ug/l   | 98     |
| 37) Ethyl Acetate             | 7.30 | 43  | 17129  | 18.652 | ug/l # | 94     |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 61345  | 18.845 | ug/l   | 89     |

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 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
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Manual Integrations  
 APPROVED

MMDadoda  
 11/4/2019 11:50:57 AM

Quant Time: Nov 01 18:18:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D102919S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 30 08:00:10 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.35  | 83   | 68400    | 18.676  | ug/l   | 91       |
| 40) Benzene                    | 8.35  | 78   | 155815   | 19.151  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.54  | 41   | 10170    | 19.190  | ug/l # | 91       |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 41751    | 19.427  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.46  | 43   | 33116    | 17.843  | ug/l   | 97       |
| 44) Trichloroethene            | 9.11  | 130  | 49402    | 20.034  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 36039    | 19.113  | ug/l # | 86       |
| 46) Dibromomethane             | 9.48  | 93   | 21643    | 19.059  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.66  | 83   | 53428    | 18.650  | ug/l # | 93       |
| 48) Methyl methacrylate        | 9.46  | 41   | 15515    | 18.078  | ug/l   | 93       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 5141     | 395.500 | ug/l # | 89       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 85296    | 84.421  | ug/l   | 98       |
| 52) Toluene                    | 10.40 | 92   | 108275   | 18.990  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.63 | 75   | 50379    | 18.839  | ug/l   | 90       |
| 54) cis-1,3-Dichloropropene    | 10.09 | 75   | 56729    | 18.031  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 29393    | 18.256  | ug/l   | 95       |
| 56) Ethyl methacrylate         | 10.66 | 69   | 30142    | 17.492  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 49912    | 18.745  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.95  | 63   | 63581    | 90.139  | ug/l   | 97       |
| 59) 2-Hexanone                 | 10.99 | 43   | 59316    | 81.206  | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.14 | 129  | 42631    | 19.508  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 28816    | 17.895  | ug/l   | 94       |
| 64) Tetrachloroethene          | 10.88 | 164  | 45034    | 20.743  | ug/l   | 90       |
| 65) Chlorobenzene              | 11.67 | 112  | 125775   | 20.143  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.75 | 131  | 45486    | 19.468  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.75 | 91   | 215165   | 19.374  | ug/l   | 94       |
| 68) m/p-Xylenes                | 11.86 | 106  | 173899   | 38.928  | ug/l   | 98       |
| 69) o-Xylene                   | 12.18 | 106  | 79264    | 19.442  | ug/l   | 98       |
| 70) Styrene                    | 12.20 | 104  | 132990   | 18.914  | ug/l   | 96       |
| 71) Bromoform                  | 12.36 | 173  | 23423    | 18.771  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.48 | 105  | 211905   | 18.721  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.30 | 43   | 32660    | 17.368  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.73 | 83   | 33311    | 18.671  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.78 | 75   | 18586m   | 16.981  | ug/l   |          |
| 77) Bromobenzene               | 12.76 | 156  | 53212    | 19.471  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.83 | 91   | 255575   | 19.267  | ug/l   | 97       |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 136284   | 19.167  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.96 | 105  | 181564   | 19.166  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.54 | 75   | 10076    | 18.801  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 146339   | 19.261  | ug/l   | 97       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 160273   | 18.837  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 182824   | 19.212  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.41 | 105  | 224012   | 19.172  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.52 | 119  | 212116   | 19.321  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.53 | 146  | 107445   | 19.619  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 107265   | 19.868  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.85 | 91   | 188283   | 18.594  | ug/l   | 97       |
| 90) Hexachloroethane           | 14.12 | 117  | 39827    | 19.376  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 91282    | 19.367  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.52 | 75   | 4808     | 18.452  | ug/l   | 89       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD110119\  
Data File : VD064148.D  
Acq On : 01 Nov 2019 13:00  
Operator : VA/SY  
Sample : VD1101SBS01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1101SBS01

Manual Integrations  
APPROVED

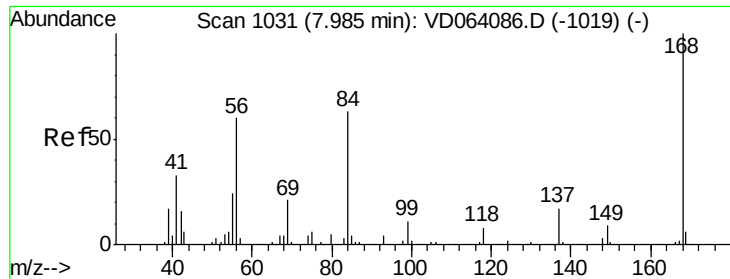
MMDadoda  
11/4/2019 11:50:57 AM

Quant Time: Nov 01 18:18:51 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D102919S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 30 08:00:10 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 67223    | 19.842 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.28 | 225  | 37851    | 19.116 | ug/l  | 97       |
| 95) Naphthalene            | 15.41 | 128  | 100153   | 18.126 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.60 | 180  | 57529    | 19.604 | ug/l  | 95       |

(#) = 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. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA\_D

ClientSampleId :

VD1101SBS01

Tgt Ion: 168 Resp: 208415

Ion Ratio Lower Upper

168 100

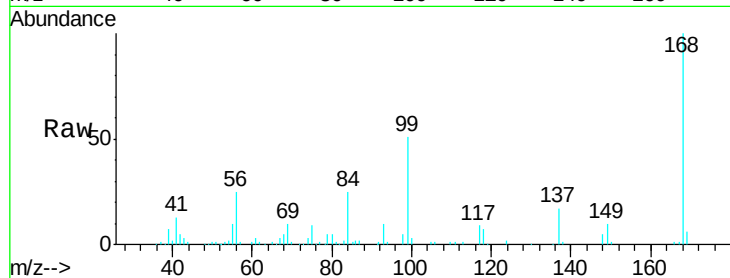
99 50.5 37.6 56.4

Manual Integrations

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11/4/2019 11:50:57 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

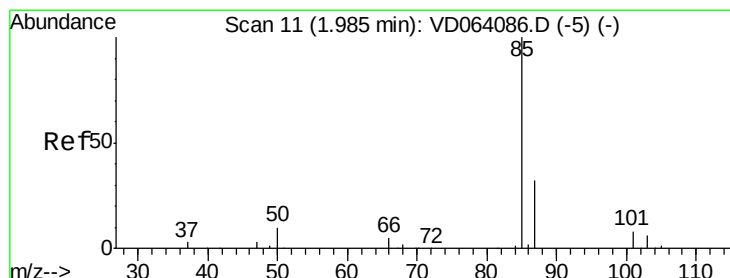
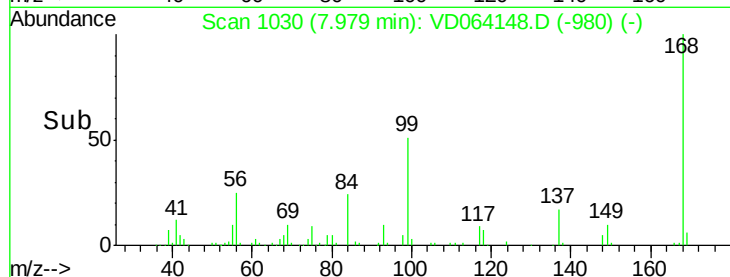
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.051 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064148.D

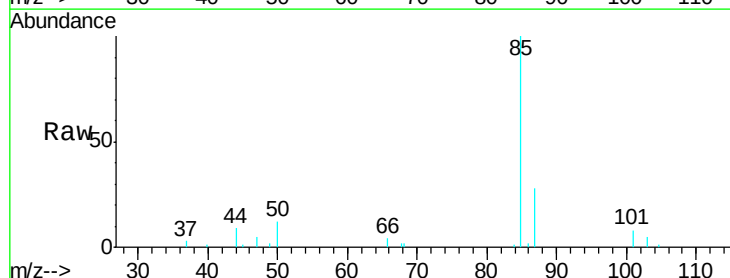
Acq: 01 Nov 2019 13:00

Tgt Ion: 85 Resp: 42672

Ion Ratio Lower Upper

85 100

87 28.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

30000

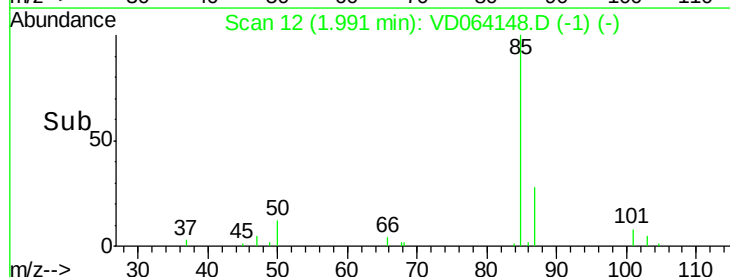
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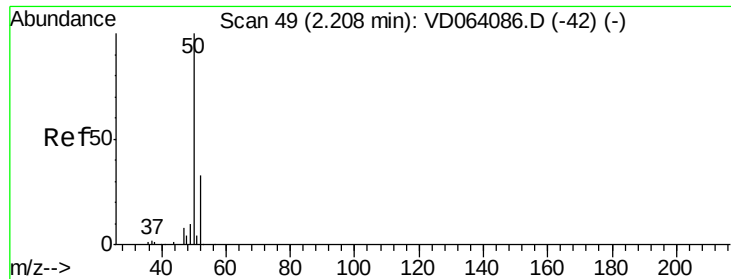
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0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.044 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA\_D

ClientSampleId :

VD1101SBS01

Tgt Ion: 50 Resp: 71173

Ion Ratio Lower Upper

50 100

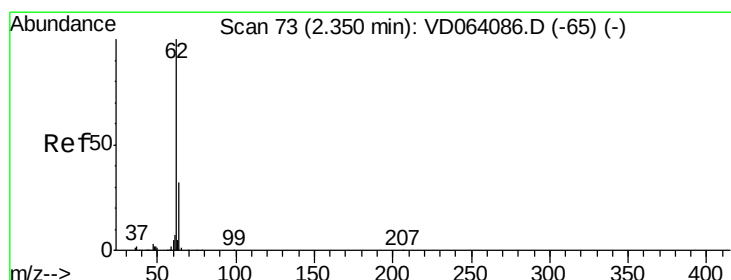
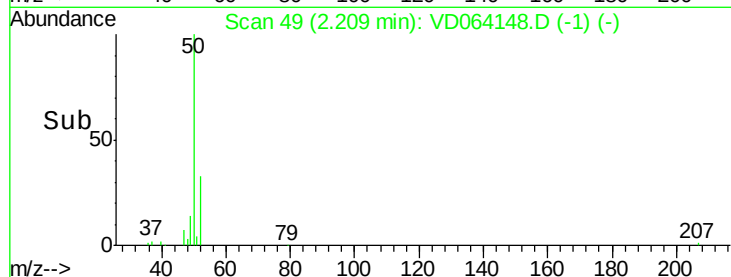
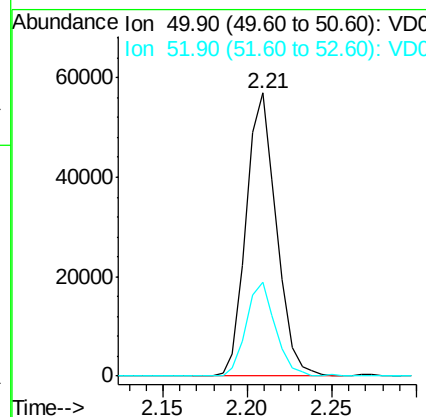
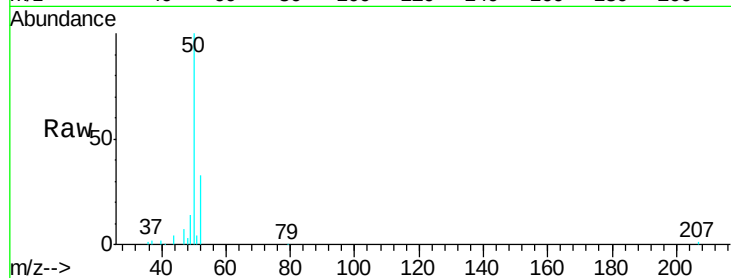
52 33.0 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

11/4/2019 11:50:57 AM



#4

Vinyl Chloride

Concen: 21.193 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064148.D

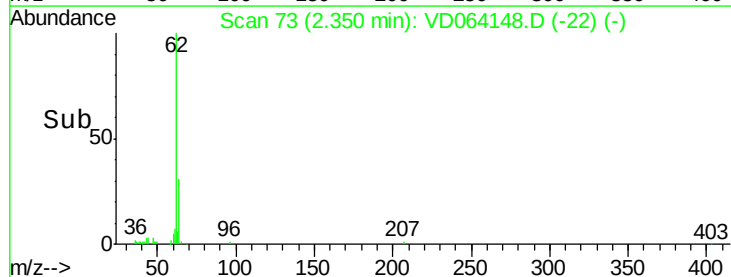
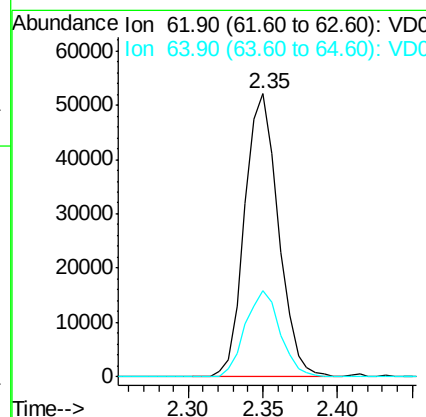
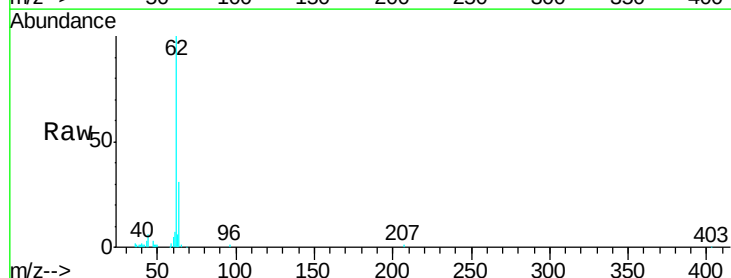
Acq: 01 Nov 2019 13:00

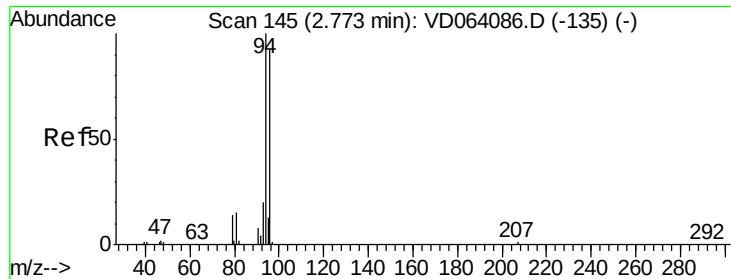
Tgt Ion: 62 Resp: 81606

Ion Ratio Lower Upper

62 100

64 30.5 25.6 38.4





#5

Bromomethane

Concen: 19.707 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA\_D

ClientSampleId :

VD1101SBS01

Tgt Ion: 94 Resp: 49453

Ion Ratio Lower Upper

94 100

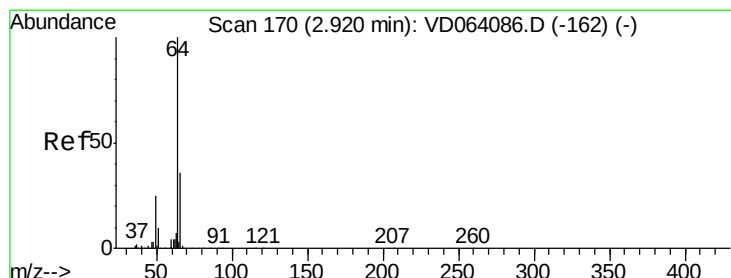
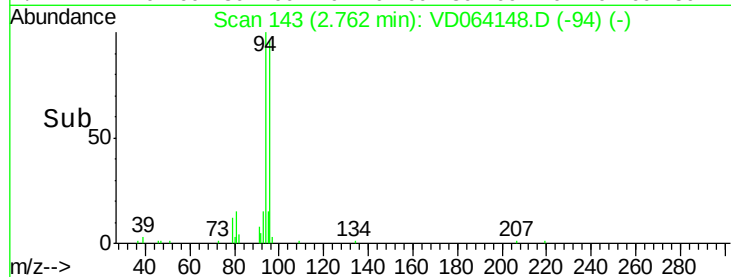
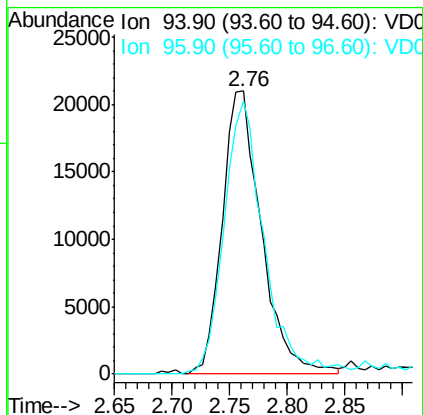
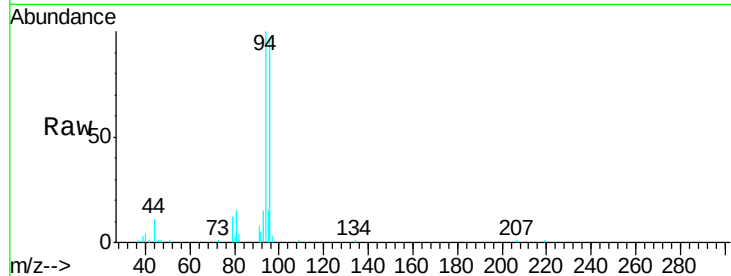
96 95.4 73.9 110.9

Manual Integrations

APPROVED

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11/4/2019 11:50:57 AM



#6

Chloroethane

Concen: 20.359 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064148.D

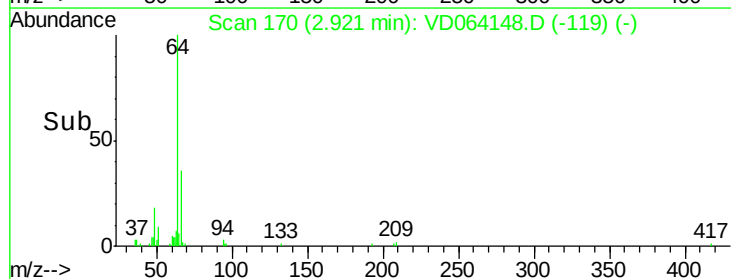
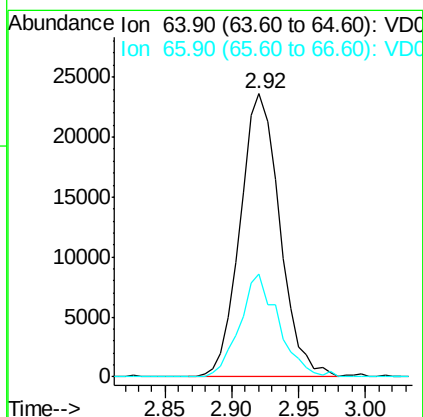
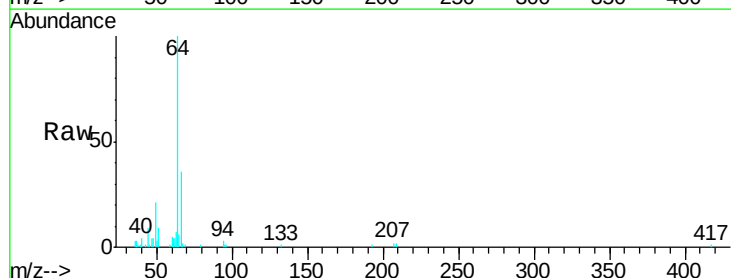
Acq: 01 Nov 2019 13:00

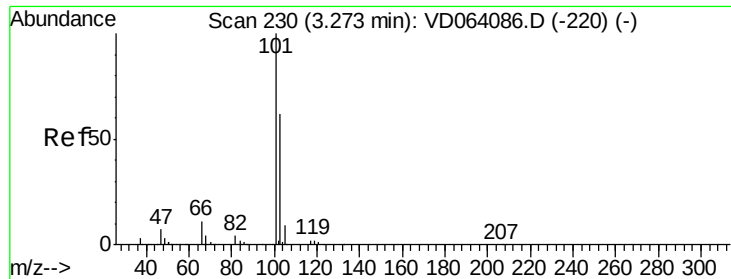
Tgt Ion: 64 Resp: 48691

Ion Ratio Lower Upper

64 100

66 36.4 28.7 43.1





#7

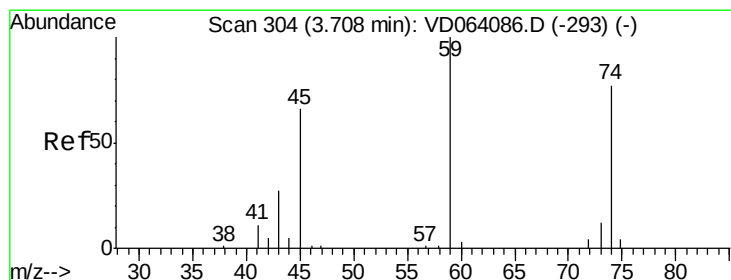
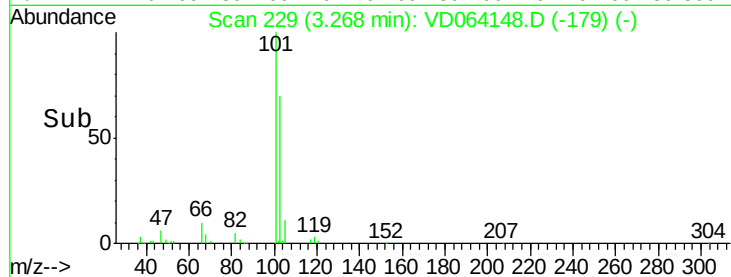
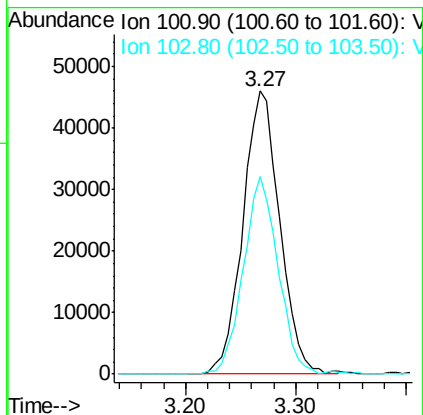
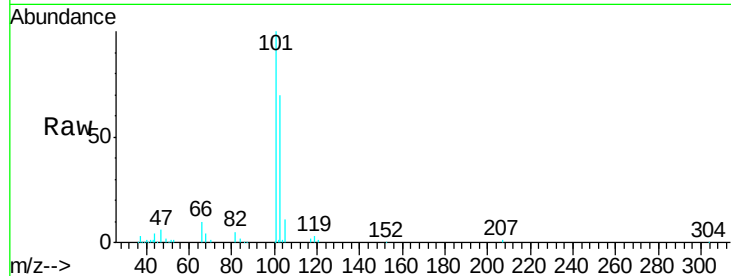
Trichlorofluoromethane  
Concen: 20.381 ug/l  
RT: 3.27 min Scan# 229  
Delta R.T. -0.01 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1101SBS01

Tgt Ion: 101 Resp: 108034  
Ion Ratio Lower Upper  
101 100  
103 69.7 49.6 74.4

Manual Integrations  
APPROVED

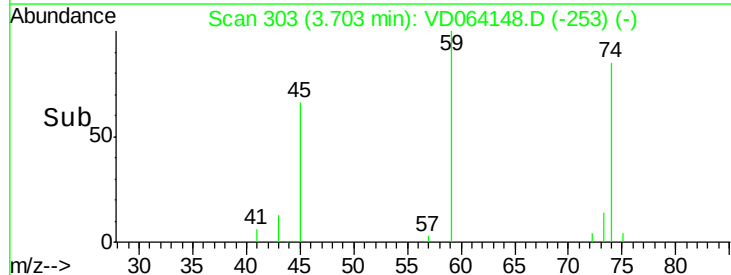
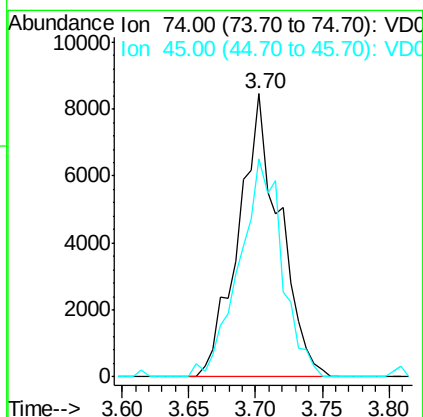
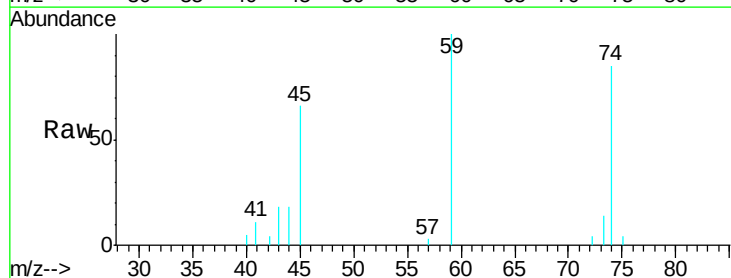
MMDadoda  
11/4/2019 11:50:57 AM



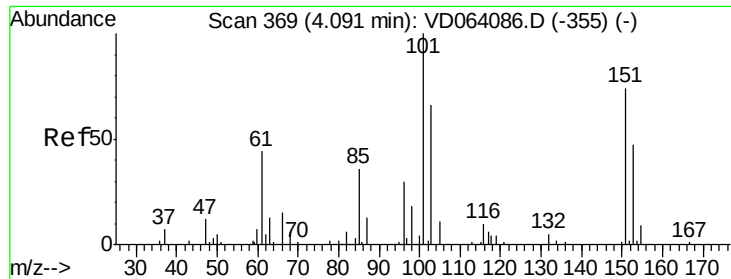
#8

Diethyl Ether  
Concen: 19.630 ug/l  
RT: 3.70 min Scan# 303  
Delta R.T. -0.01 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

Tgt Ion: 74 Resp: 18087  
Ion Ratio Lower Upper  
74 100  
45 80.1 44.1 132.3







#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.192 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA\_D

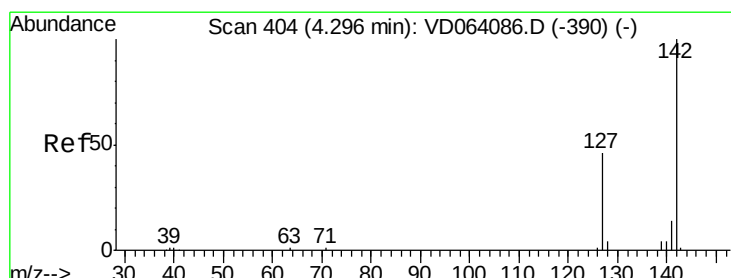
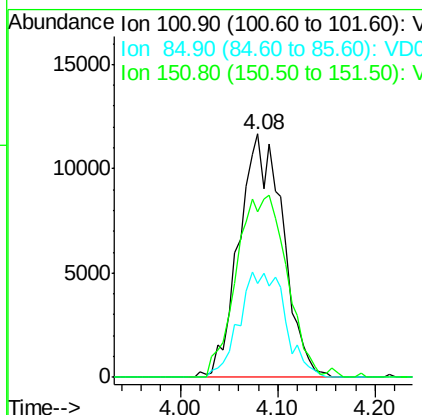
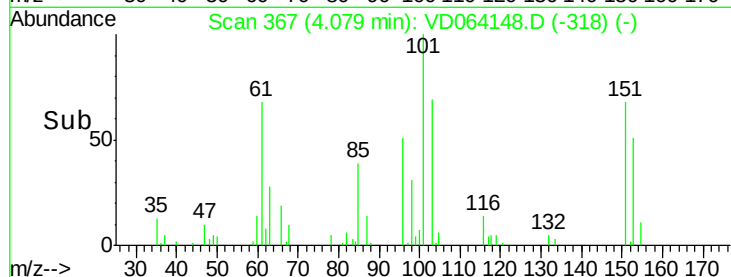
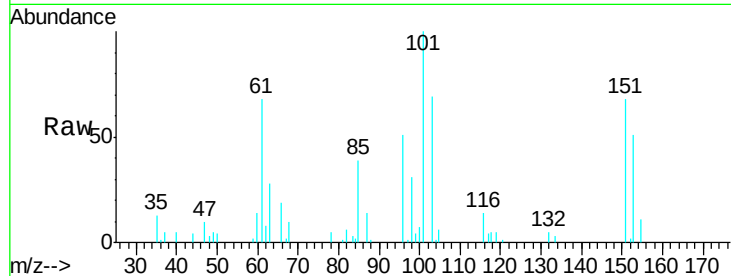
ClientSampleId :

VD1101SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 101   | Resp: | 36662 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 45.3  | 35.3  | 52.9  |
| 151       | 85.5  | 67.0  | 100.6 |

Manual Integrations  
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11/4/2019 11:50:57 AM



#10

Methyl Iodide

Concen: 18.741 ug/l

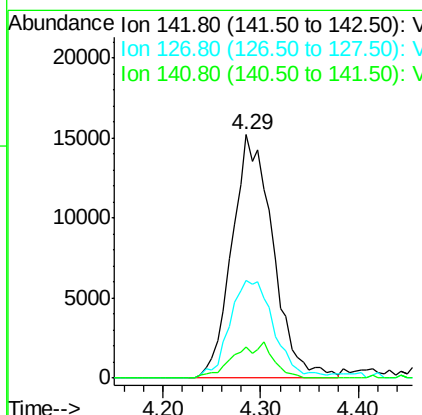
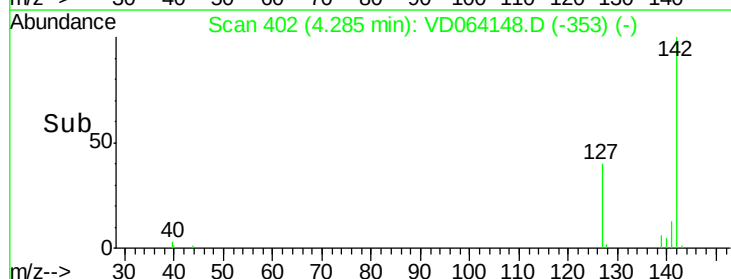
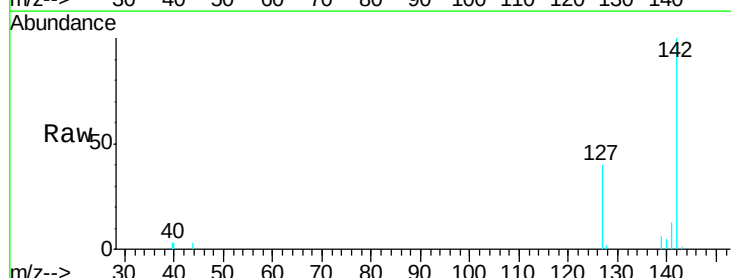
RT: 4.29 min Scan# 402

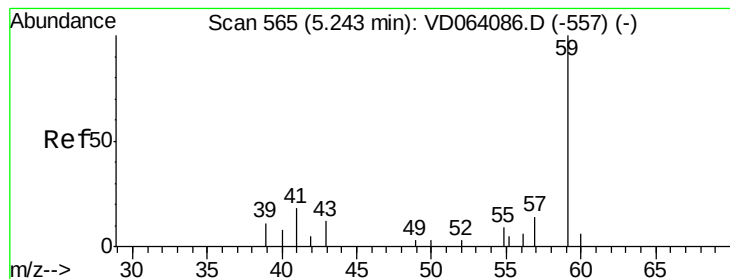
Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 44353 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 43.1  | 35.1  | 52.7  |
| 141       | 7.6   | 11.6  | 17.4# |





#11

Tert butyl alcohol

Concen: 91.857 ug/l m

RT: 5.26 min Scan# 568

Delta R.T. 0.02 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA\_D

ClientSampleId :

VD1101SBS01

Tgt Ion: 59 Resp: 8378

Ion Ratio Lower Upper

59 100

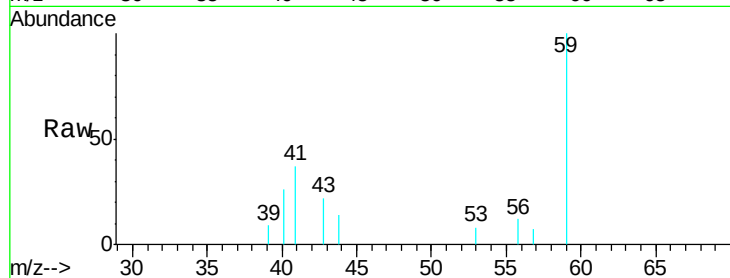
57 8.8 8.7 13.1

Manual Integrations

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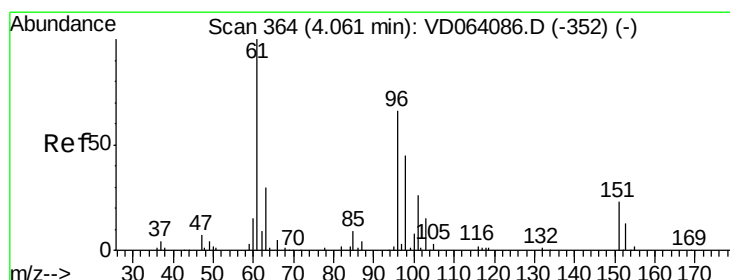
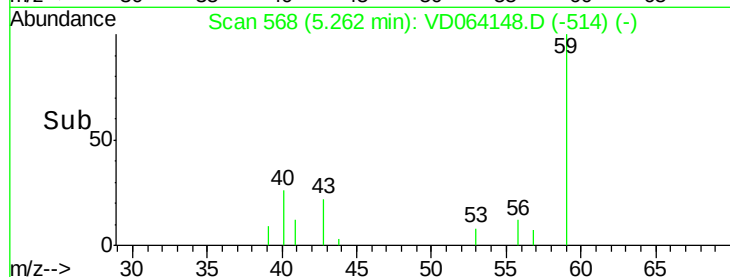
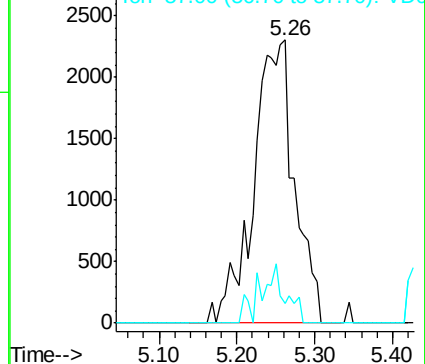
MMDadoda

11/4/2019 11:50:57 AM



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 21.153 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

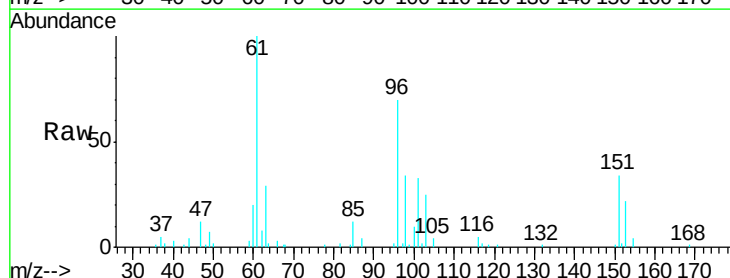
Tgt Ion: 96 Resp: 38242

Ion Ratio Lower Upper

96 100

61 142.6 121.8 182.6

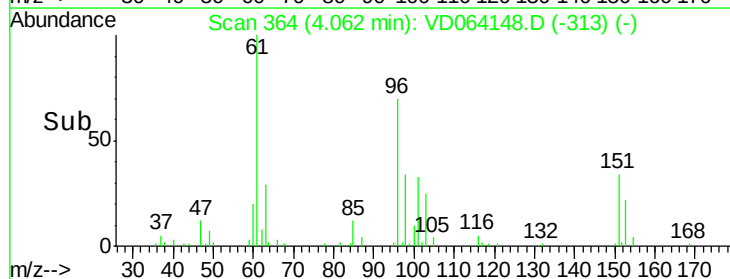
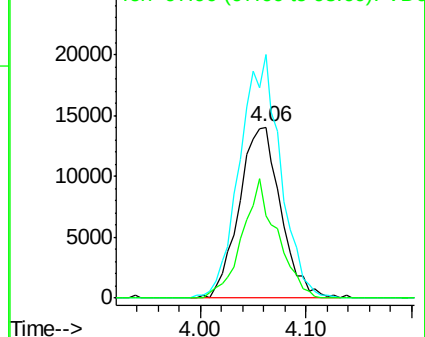
98 48.5 55.4 83.0#

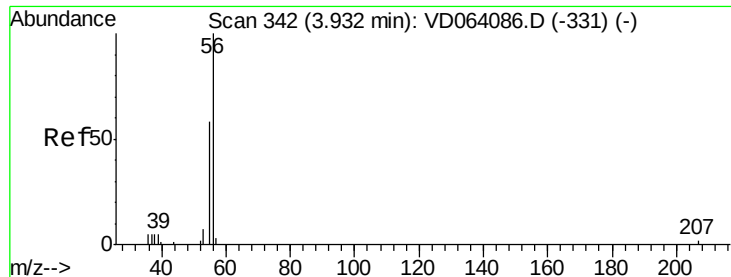


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





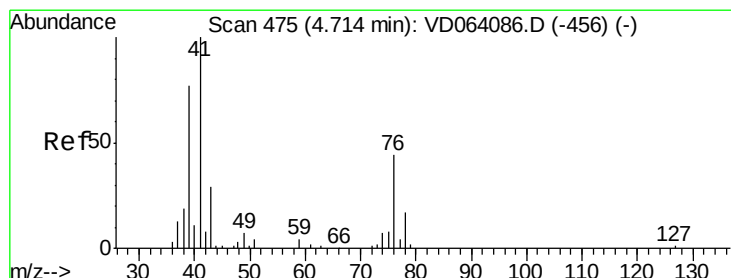
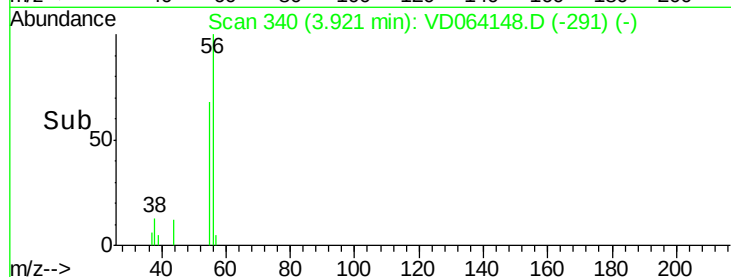
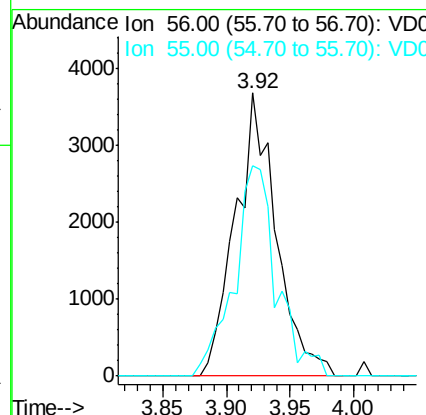
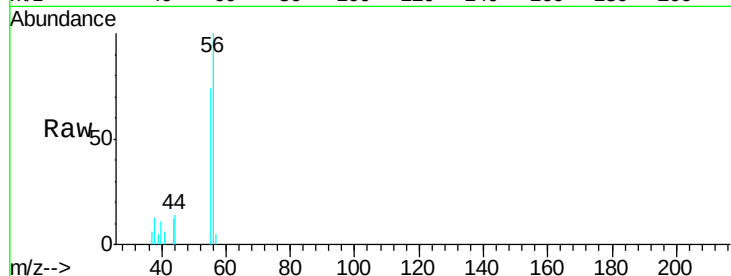
#13  
Acrolein  
Concen: 78.287 ug/l  
RT: 3.92 min Scan# 340  
Delta R.T. -0.01 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1101SBS01

Tgt Ion: 56 Resp: 8274  
Ion Ratio Lower Upper  
56 100  
55 76.5 53.8 80.6

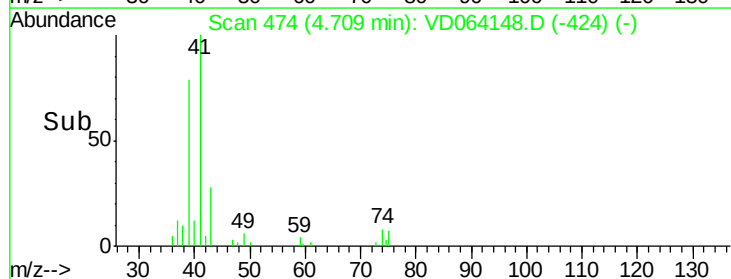
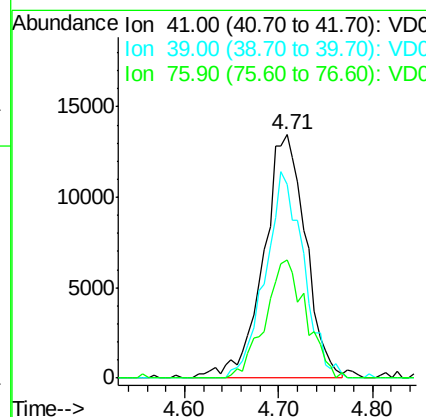
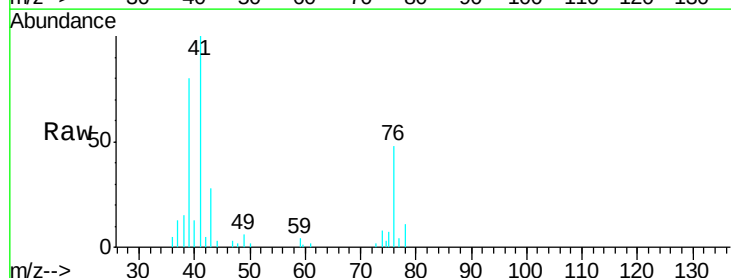
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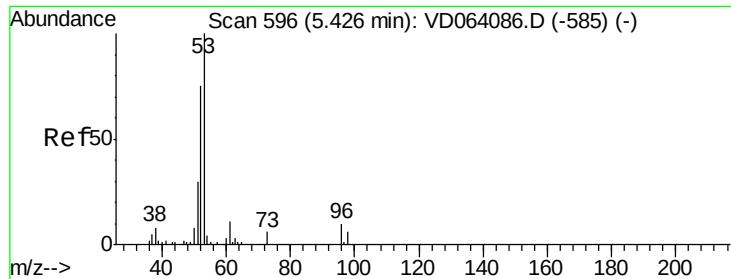
MMDadoda  
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#14  
Allyl chloride  
Concen: 19.780 ug/l  
RT: 4.71 min Scan# 474  
Delta R.T. -0.01 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

Tgt Ion: 41 Resp: 41856  
Ion Ratio Lower Upper  
41 100  
39 76.6 61.5 92.3  
76 46.8 36.2 54.4





#15

Acrylonitrile

Concen: 93.594 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA\_D

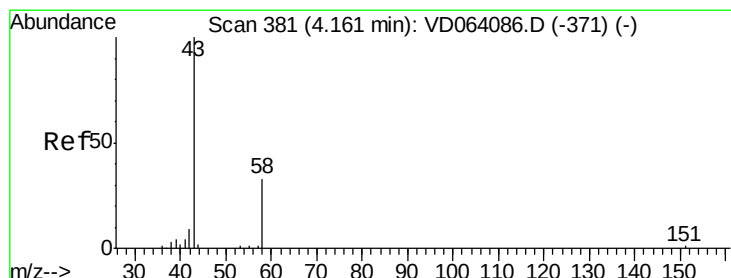
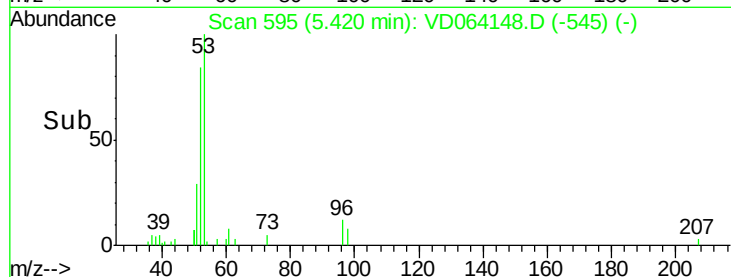
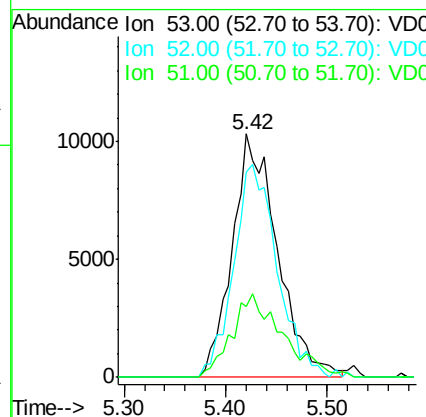
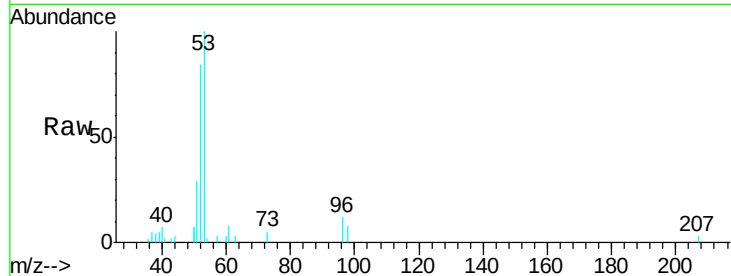
ClientSampleId :

VD1101SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 31854 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 84.2  | 66.2  | 99.4  |
| 51       | 38.5  | 29.0  | 43.6  |

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#16

Acetone

Concen: 86.306 ug/l

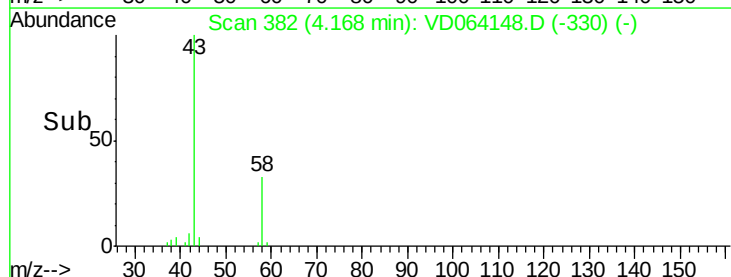
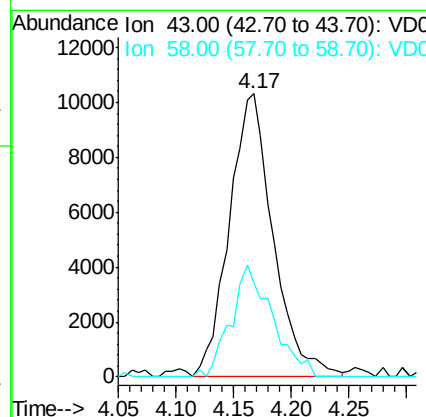
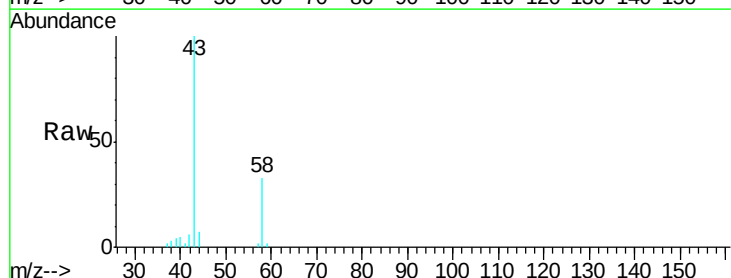
RT: 4.17 min Scan# 382

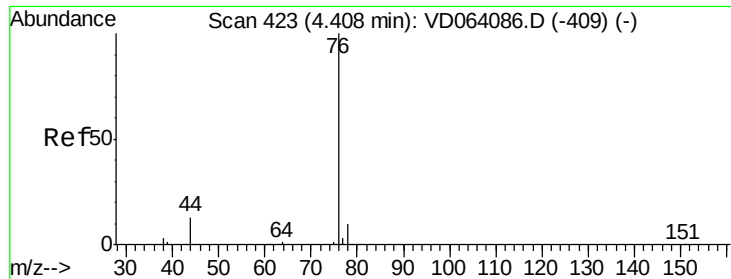
Delta R.T. 0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 27219 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 33.3  | 26.3  | 39.5  |





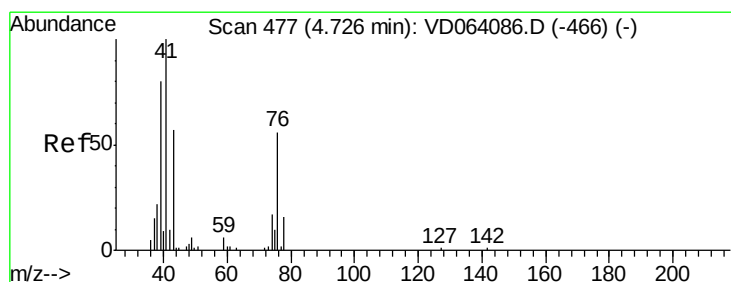
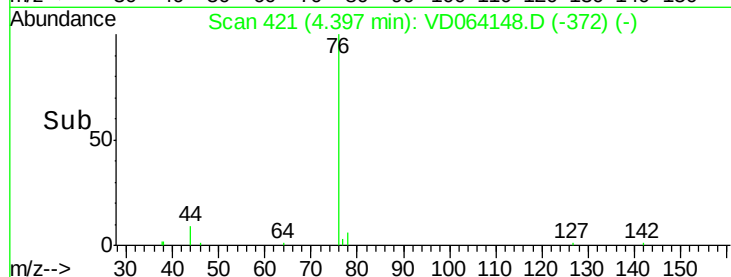
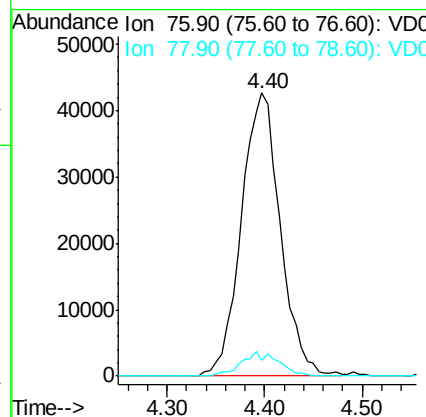
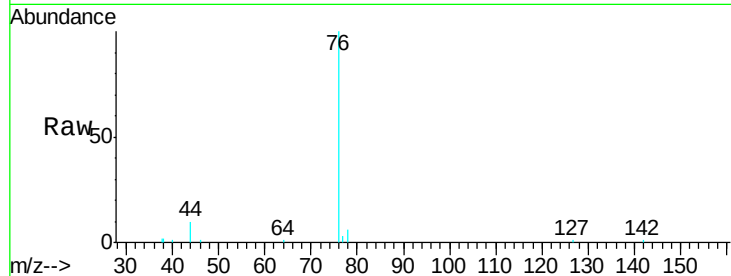
#17  
Carbon Disulfide  
Concen: 21.332 ug/l  
RT: 4.40 min Scan# 421  
Delta R.T. -0.01 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1101SBS01

Tgt Ion: 76 Resp: 118513  
Ion Ratio Lower Upper  
76 100  
78 5.7 8.1 12.1#

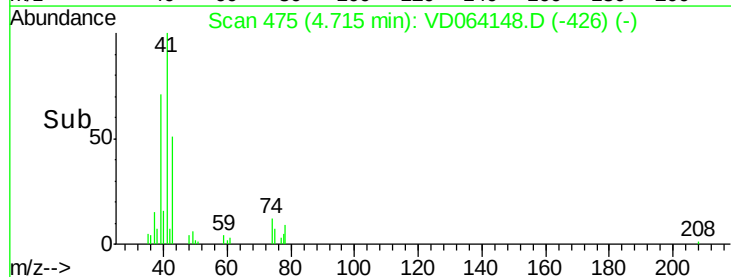
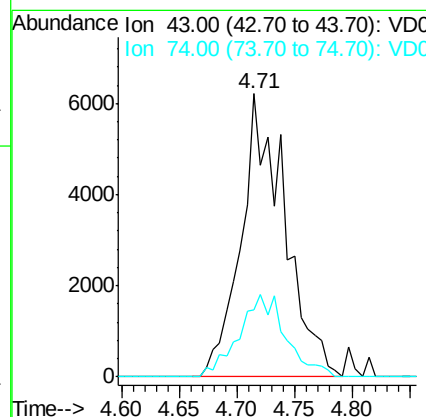
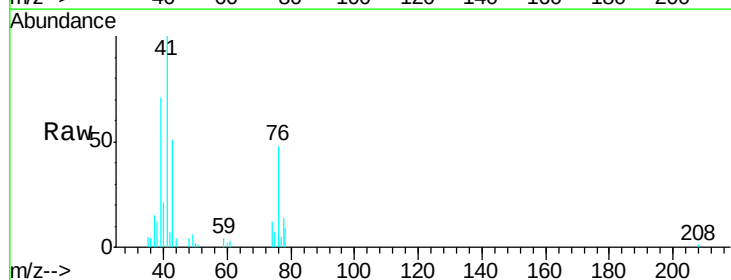
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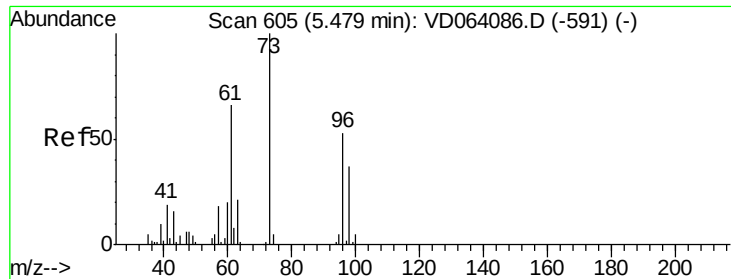
MMDadoda  
11/4/2019 11:50:57 AM



#18  
Methyl Acetate  
Concen: 19.568 ug/l  
RT: 4.71 min Scan# 475  
Delta R.T. -0.01 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

Tgt Ion: 43 Resp: 16416  
Ion Ratio Lower Upper  
43 100  
74 31.2 22.2 33.4





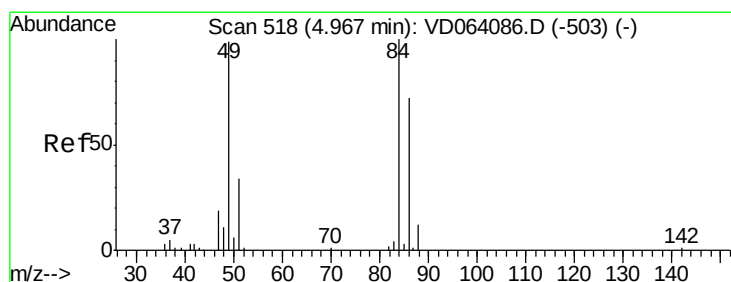
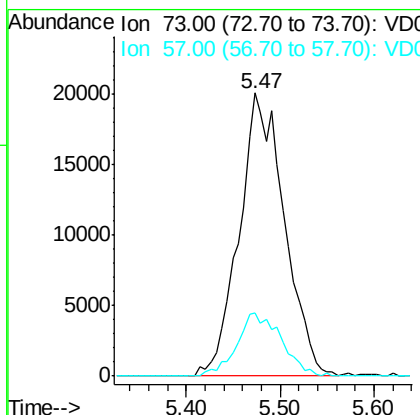
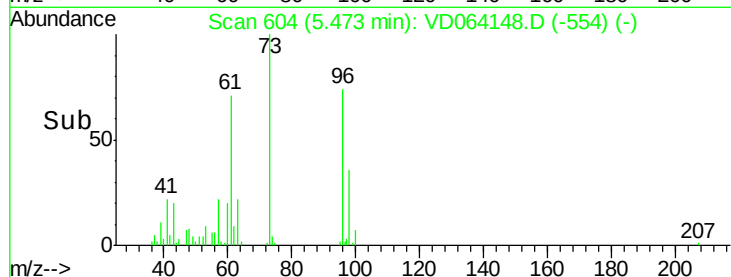
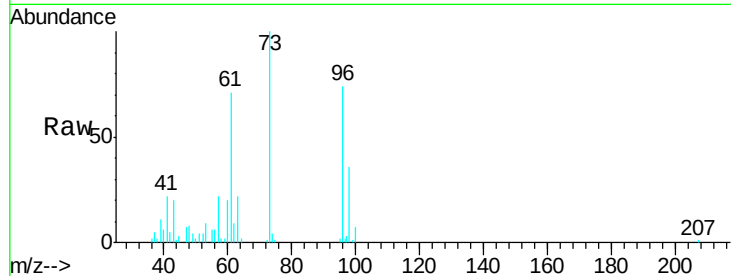
#19  
Methyl tert-butyl Ether  
Concen: 18.248 ug/l  
RT: 5.47 min Scan# 604  
Delta R.T. -0.01 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1101SBS01

Tgt Ion: 73 Resp: 66945  
Ion Ratio Lower Upper  
73 100  
57 22.4 14.3 21.5#

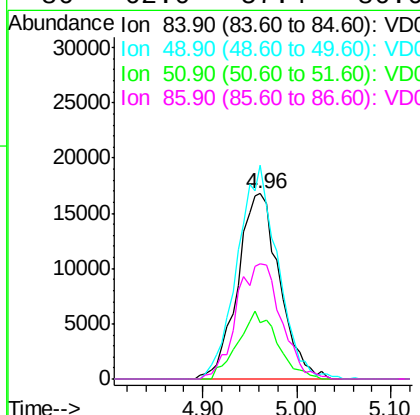
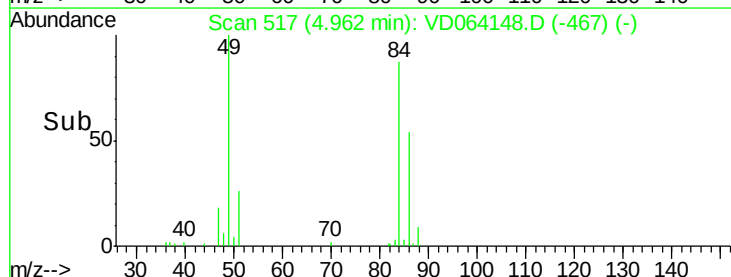
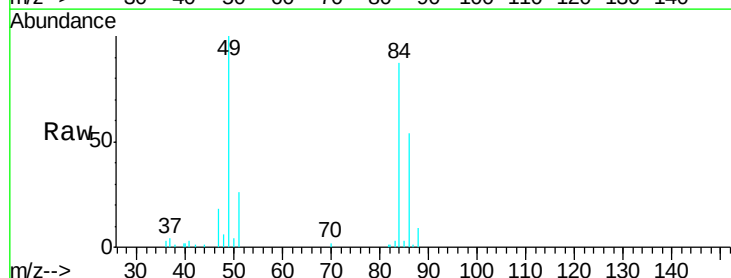
Manual Integrations  
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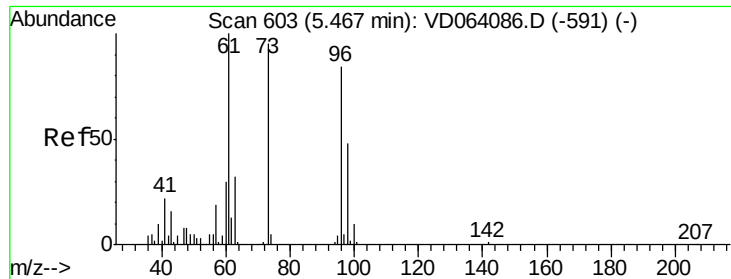
MMDadoda  
11/4/2019 11:50:57 AM



#20  
Methylene Chloride  
Concen: 23.526 ug/l  
RT: 4.96 min Scan# 517  
Delta R.T. -0.01 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

Tgt Ion: 84 Resp: 51748  
Ion Ratio Lower Upper  
84 100  
49 115.4 79.4 119.0  
51 30.6 27.4 41.2  
86 62.0 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 21.095 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA\_D

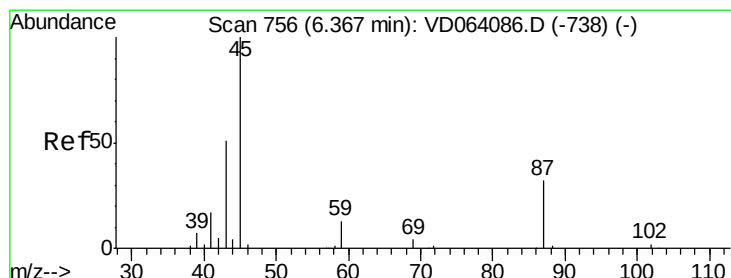
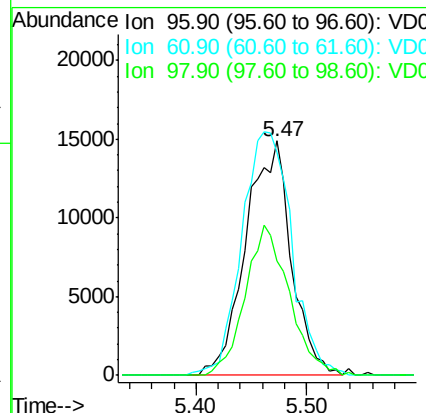
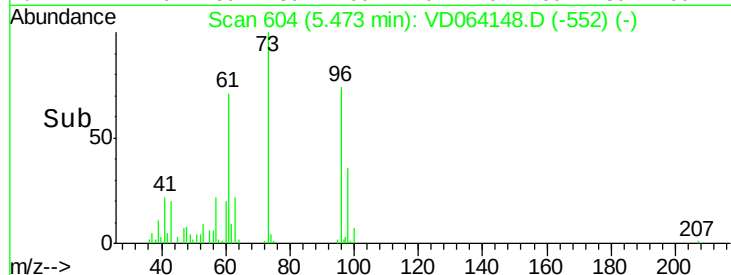
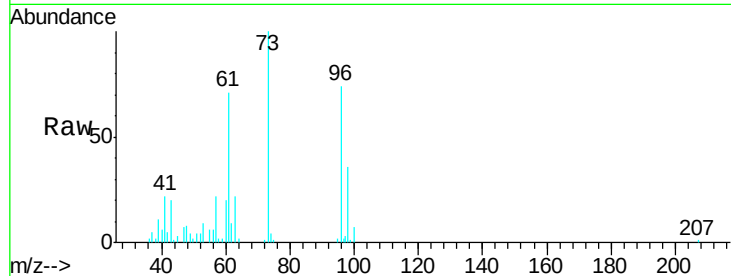
ClientSampleId :

VD1101SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 96    | Resp: | 42811  |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 94.0  | 95.0  | 142.6# |
| 98        | 48.9  | 45.8  | 68.8   |

Manual Integrations  
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11/4/2019 11:50:57 AM



#22

Diisopropyl ether

Concen: 19.449 ug/l

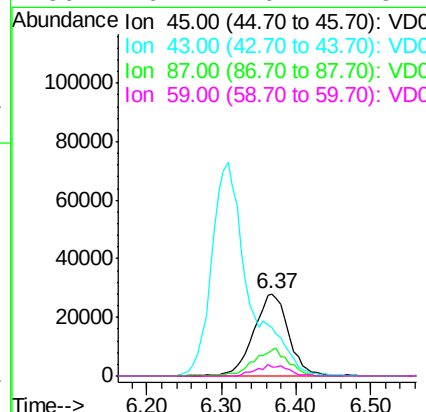
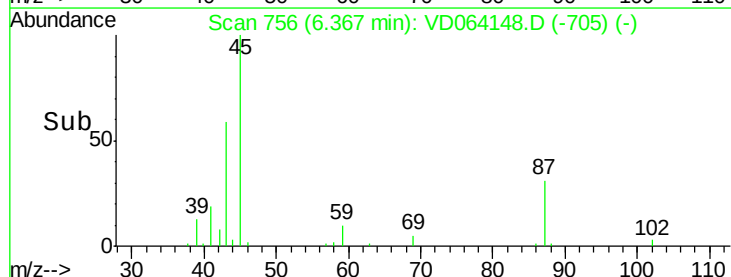
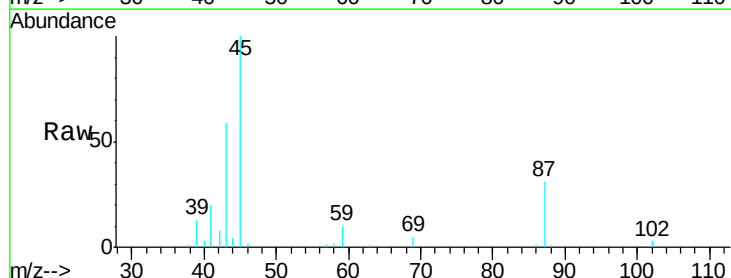
RT: 6.37 min Scan# 756

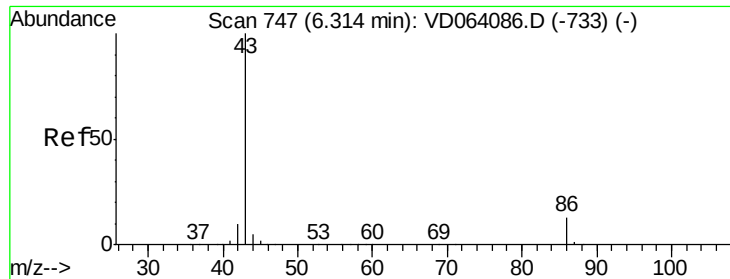
Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 45    | Resp: | 91146 |
| Ion Ratio | Lower | Upper |       |
| 45        | 100   |       |       |
| 43        | 57.7  | 44.3  | 66.5  |
| 87        | 31.4  | 26.6  | 39.8  |
| 59        | 10.2  | 10.2  | 15.2  |





#23

Vinyl Acetate

Concen: 98.558 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA\_D

ClientSampleId :

VD1101SBS01

Tgt Ion: 43 Resp: 253175

Ion Ratio Lower Upper

43 100

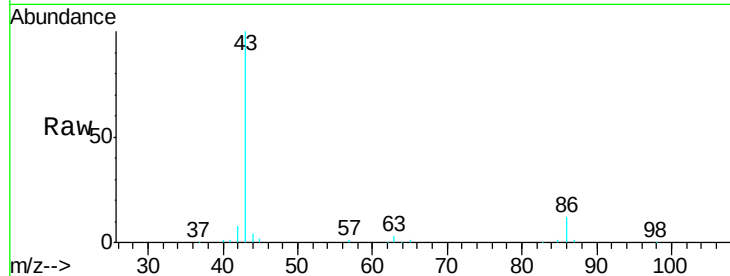
86 11.5 10.7 16.1

Manual Integrations

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11/4/2019 11:50:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

80000

60000

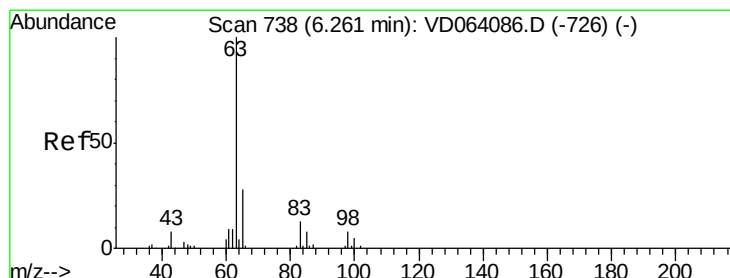
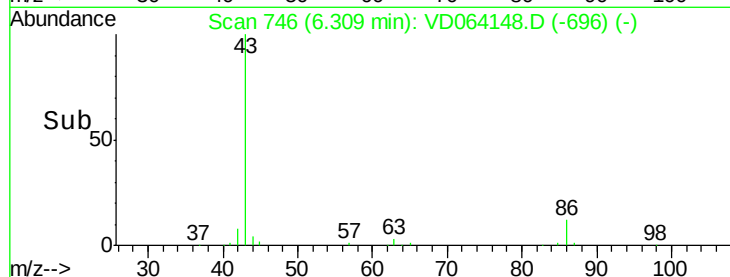
40000

20000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 20.419 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

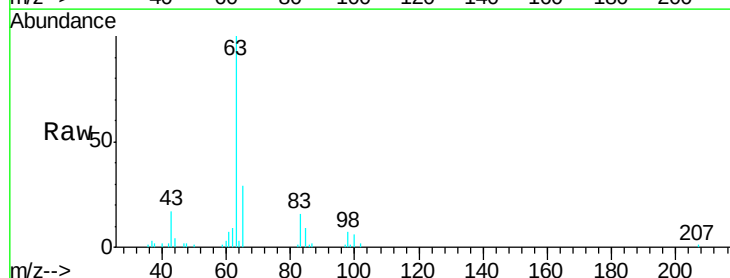
Tgt Ion: 63 Resp: 64617

Ion Ratio Lower Upper

63 100

98 7.4 4.0 11.9

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

6.26

25000

20000

15000

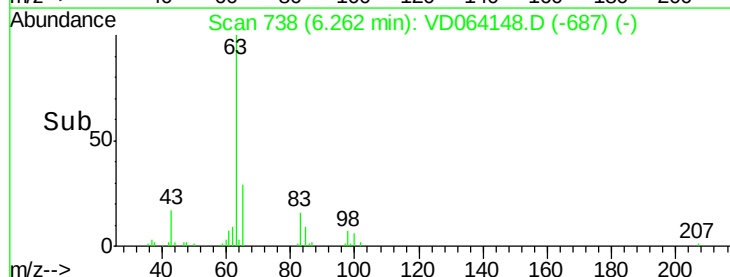
10000

5000

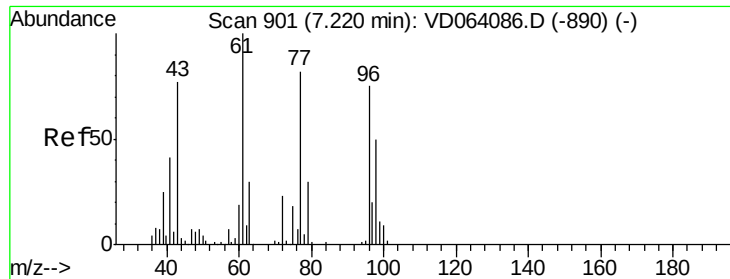
0

6.10 6.20 6.30 6.40

Time-->







#25

2-Butanone

Concen: 90.202 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA\_D

ClientSampleId :

VD1101SBS01

Tgt Ion: 43 Resp: 39328

Ion Ratio Lower Upper

43 100

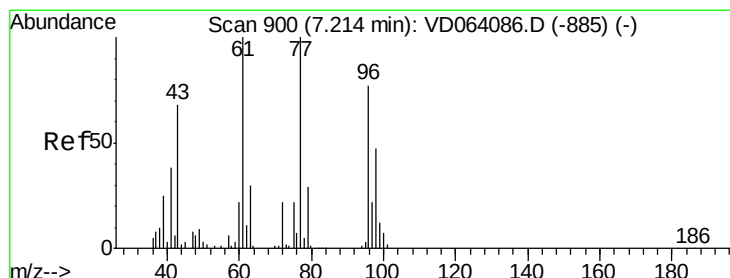
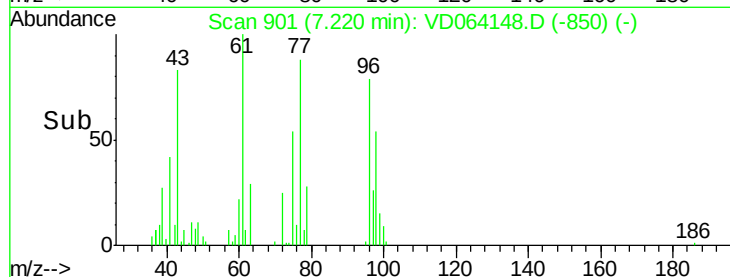
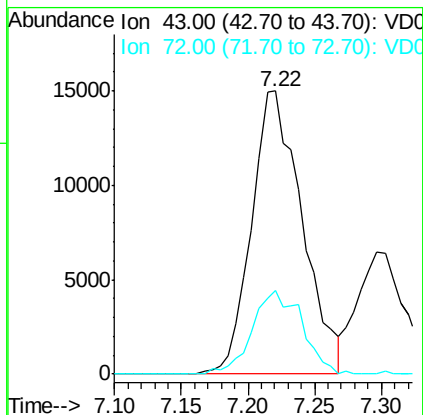
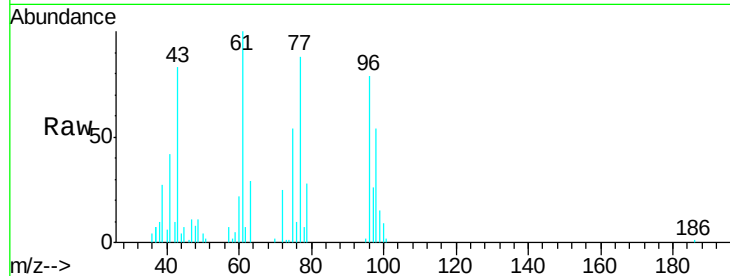
72 29.5 23.4 35.0

Manual Integrations

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11/4/2019 11:50:57 AM



#26

2,2-Dichloropropane

Concen: 19.133 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064148.D

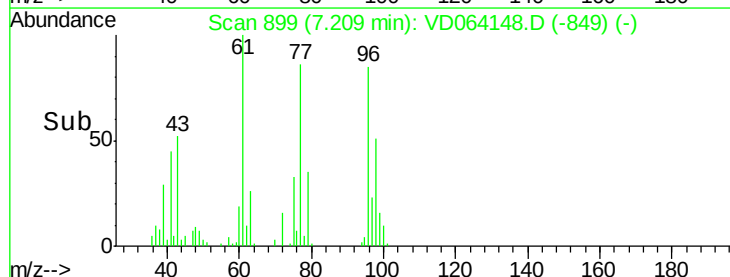
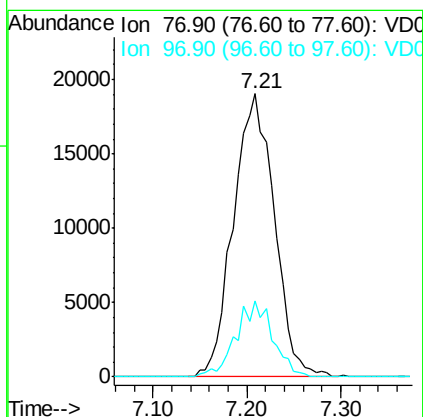
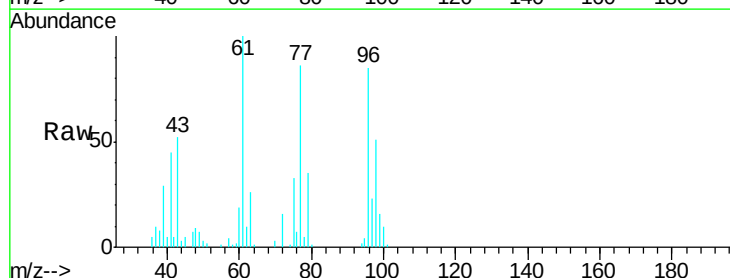
Acq: 01 Nov 2019 13:00

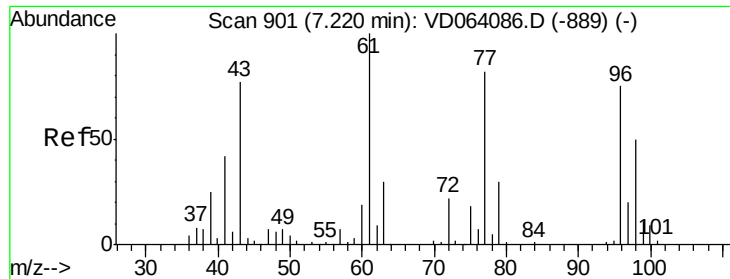
Tgt Ion: 77 Resp: 57467

Ion Ratio Lower Upper

77 100

97 24.1 11.2 33.5





#27

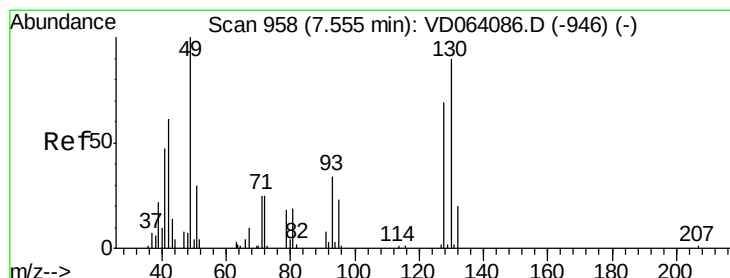
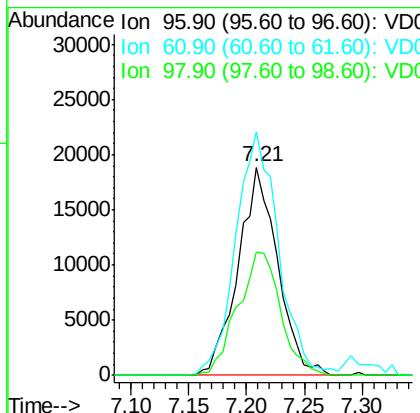
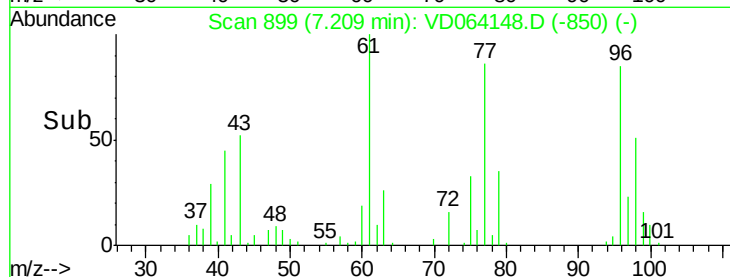
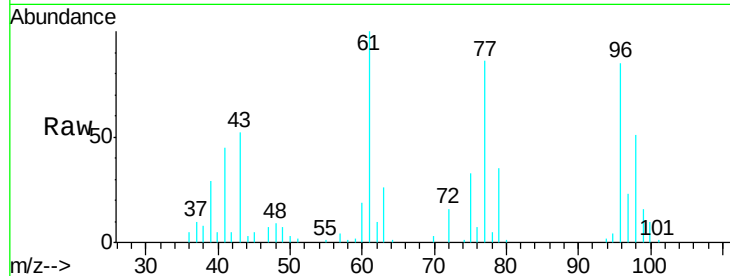
cis-1,2-Dichloroethene  
Concen: 19.715 ug/l  
RT: 7.21 min Scan# 899  
Delta R.T. -0.01 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1101SBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 127.0 | 0.0   | 258.0 |
| 98      | 64.7  | 0.0   | 130.8 |

Manual Integrations  
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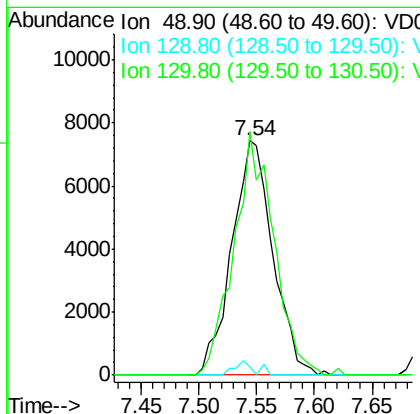
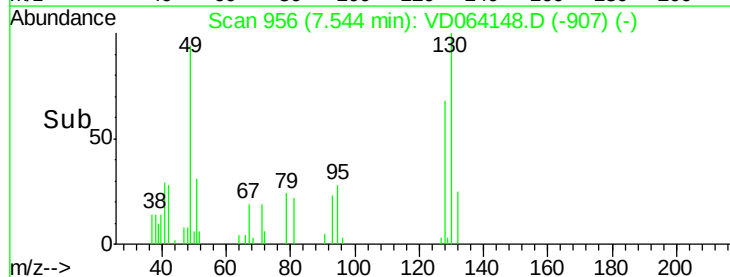
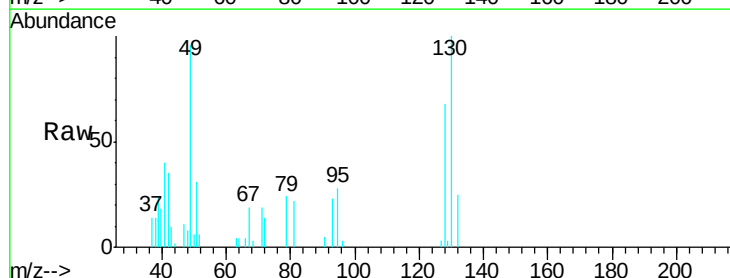
MMDadoda  
11/4/2019 11:50:57 AM

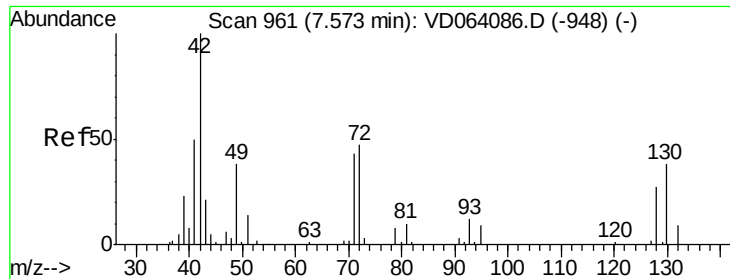


#28

Bromochloromethane  
Concen: 16.453 ug/l  
RT: 7.54 min Scan# 956  
Delta R.T. -0.01 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.2   | 0.0   | 5.4   |
| 130     | 100.8 | 75.3  | 112.9 |





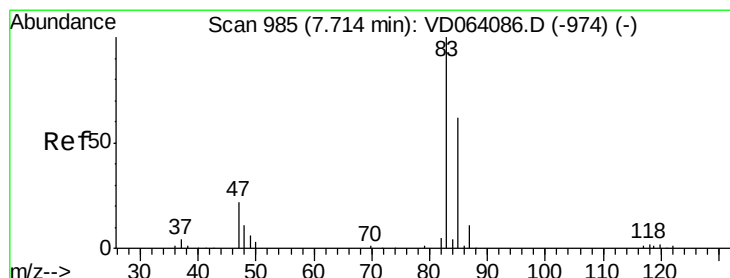
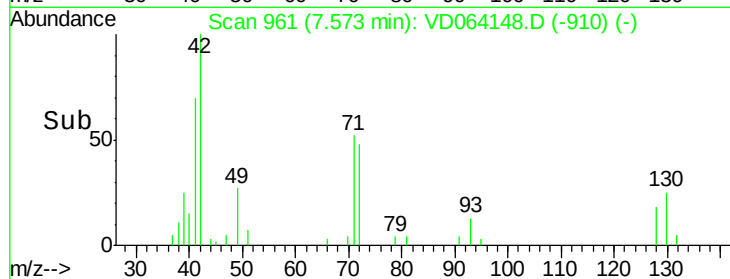
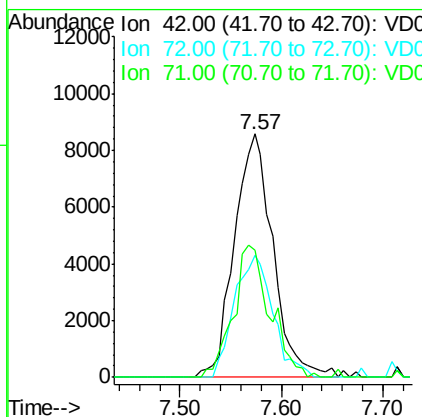
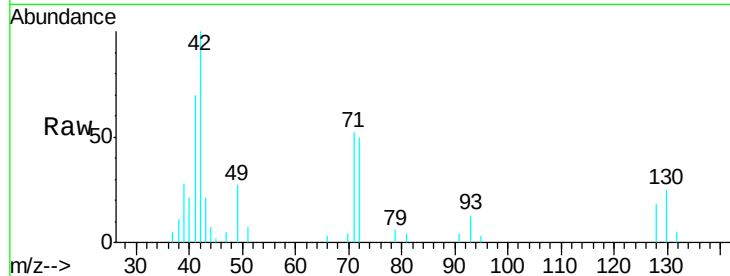
#29  
Tetrahydrofuran  
Concen: 89.052 ug/l  
RT: 7.57 min Scan# 961  
Delta R.T. 0.00 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1101SBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 50.4  | 38.9  | 58.3  |
| 71      | 52.0  | 35.4  | 53.2  |

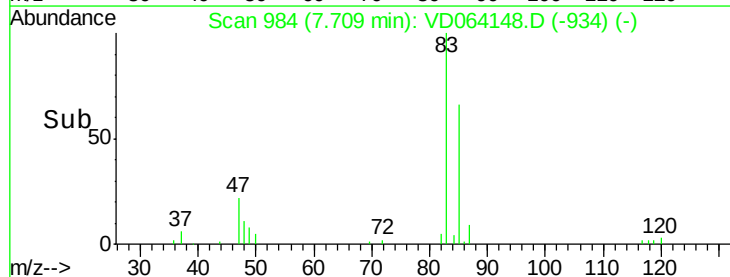
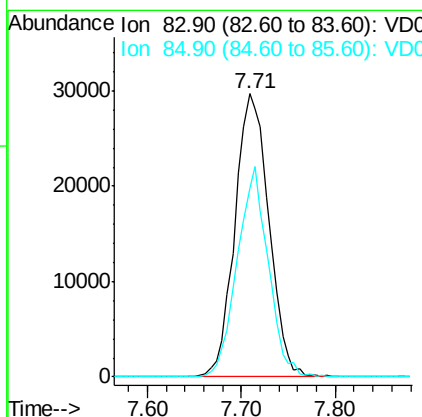
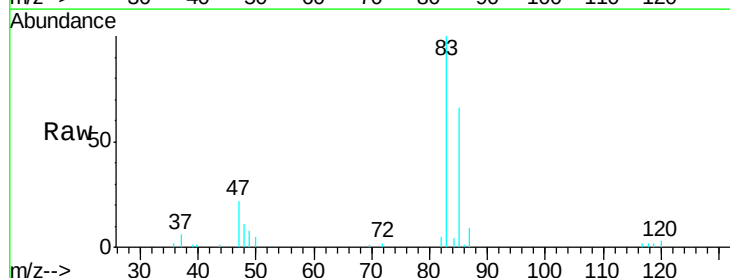
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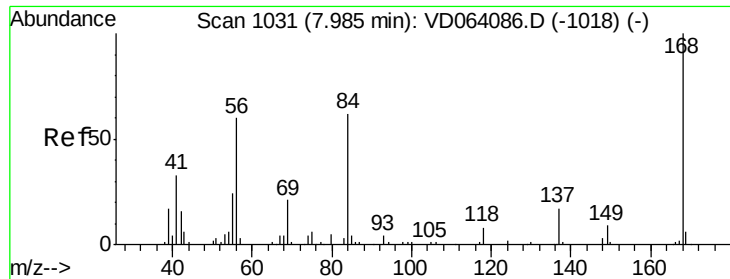
MMDadoda  
11/4/2019 11:50:57 AM



#30  
Chloroform  
Concen: 20.511 ug/l  
RT: 7.71 min Scan# 984  
Delta R.T. -0.01 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.5  | 49.8  | 74.6  |





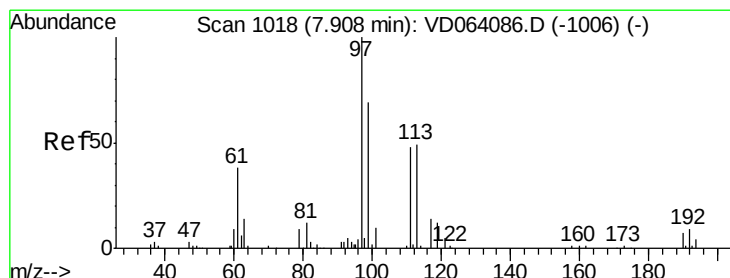
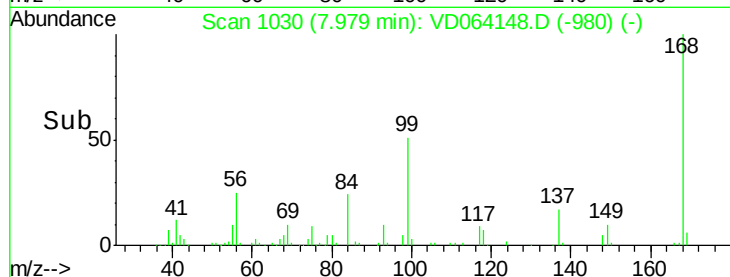
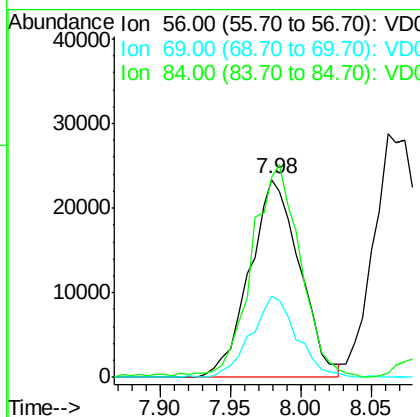
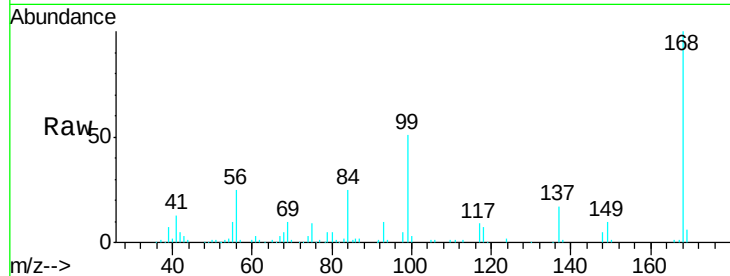
#31  
Cyclohexane  
Concen: 18.841 ug/l  
RT: 7.98 min Scan# 1030  
Delta R.T. -0.01 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1101SBS01

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 56      | 100   | 58089 |       |       |
| 69      | 40.3  |       | 27.7  | 41.5  |
| 84      | 99.7  |       | 83.1  | 124.7 |

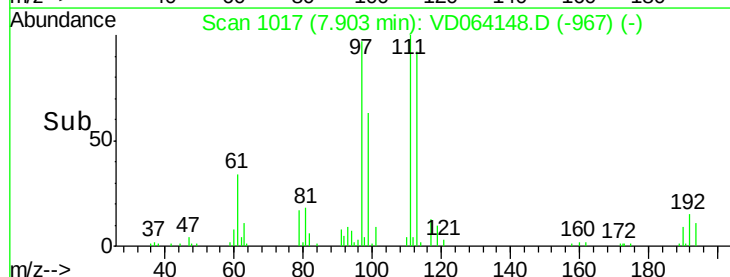
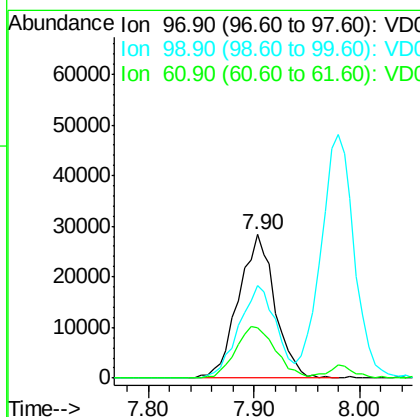
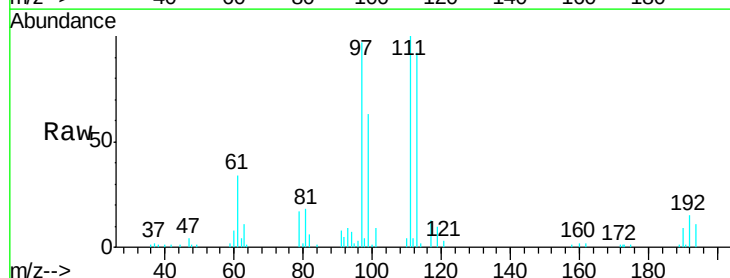
Manual Integrations  
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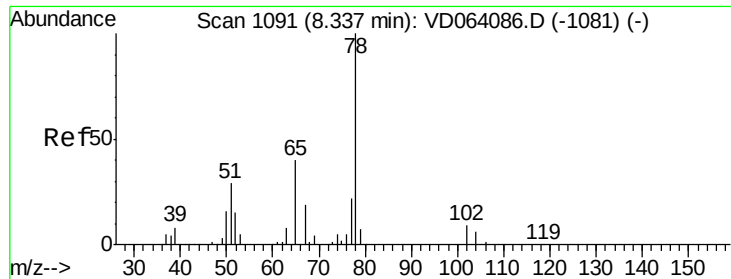
MMDadoda  
11/4/2019 11:50:57 AM



#32  
1,1,1-Trichloroethane  
Concen: 20.063 ug/l  
RT: 7.90 min Scan# 1017  
Delta R.T. -0.01 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 97      | 100   | 67628 |       |       |
| 99      | 66.7  |       | 53.7  | 80.5  |
| 61      | 39.3  |       | 31.8  | 47.6  |





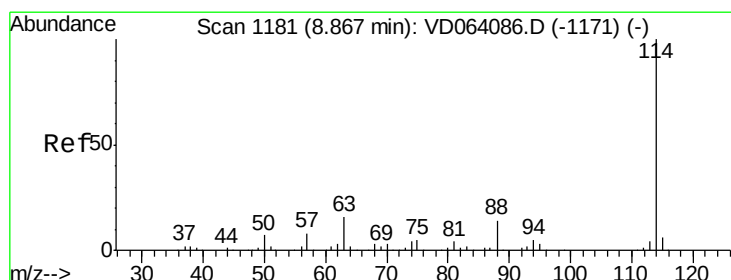
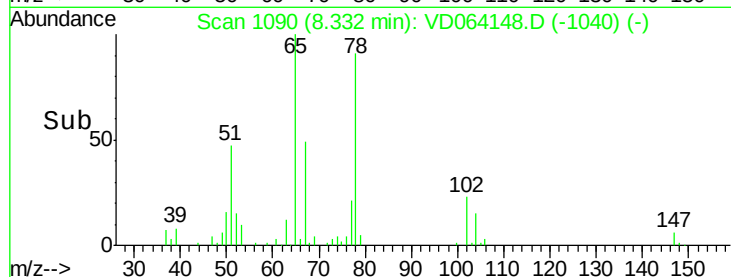
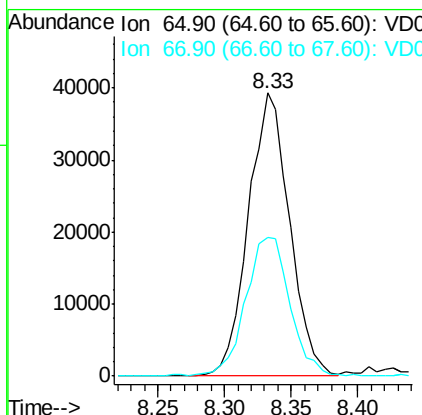
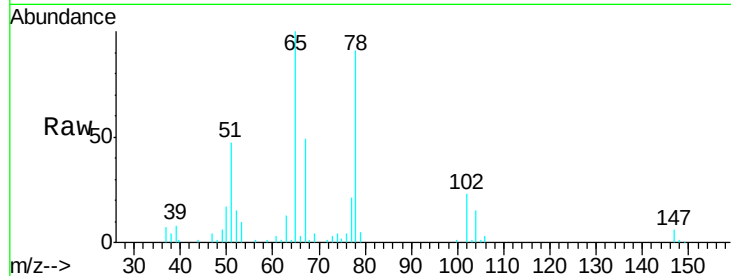
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.598 ug/l  
 RT: 8.33 min Scan# 1090  
 Delta R.T. -0.01 min  
 Lab File: VD064148.D  
 Acq: 01 Nov 2019 13:00

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1101SBS01

Tgt Ion: 65 Resp: 83869  
 Ion Ratio Lower Upper  
 65 100  
 67 52.6 0.0 104.6

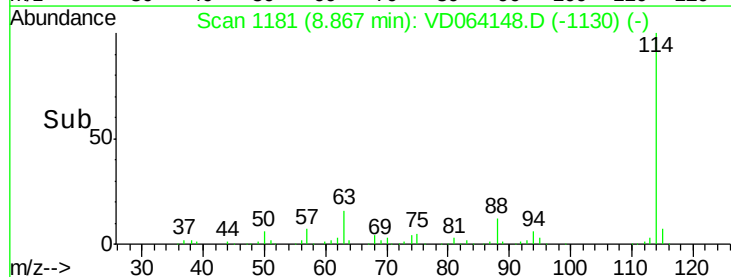
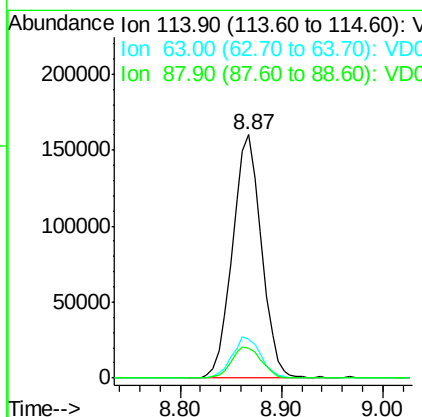
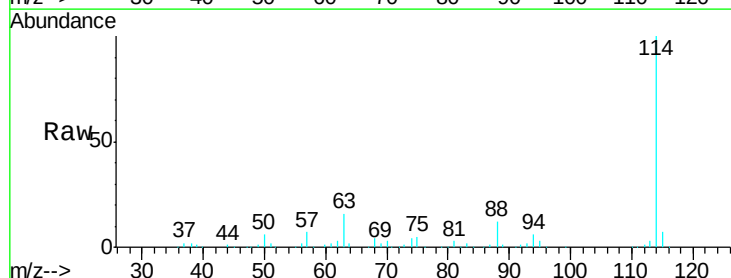
Manual Integrations  
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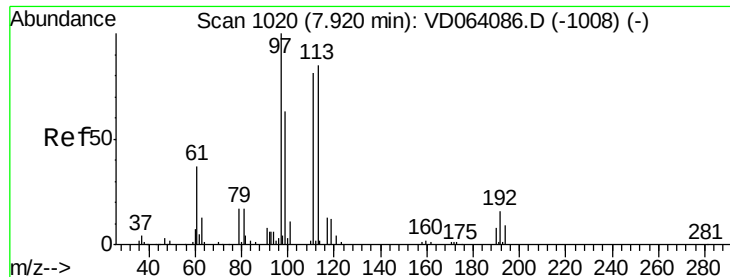
MMDadoda  
 11/4/2019 11:50:57 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. 0.00 min  
 Lab File: VD064148.D  
 Acq: 01 Nov 2019 13:00

Tgt Ion: 114 Resp: 318405  
 Ion Ratio Lower Upper  
 114 100  
 63 15.7 0.0 32.8  
 88 12.4 0.0 27.6





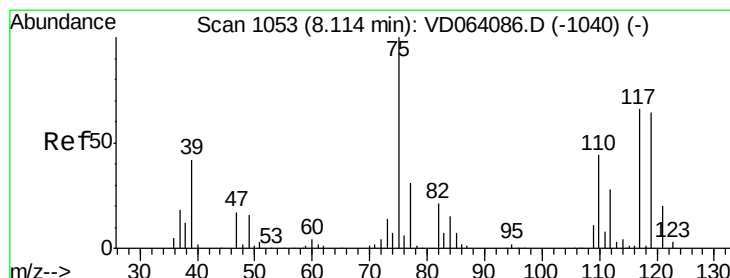
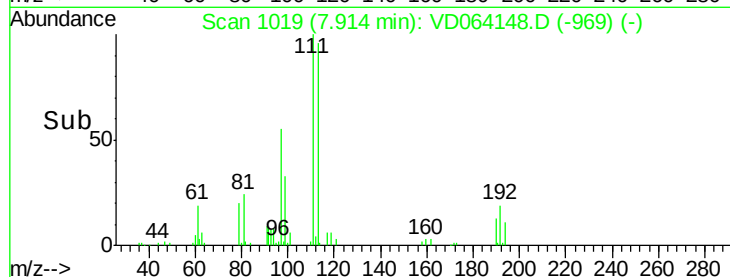
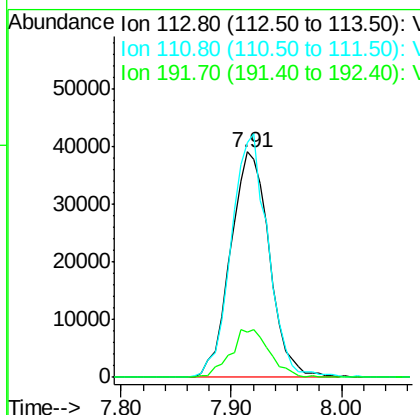
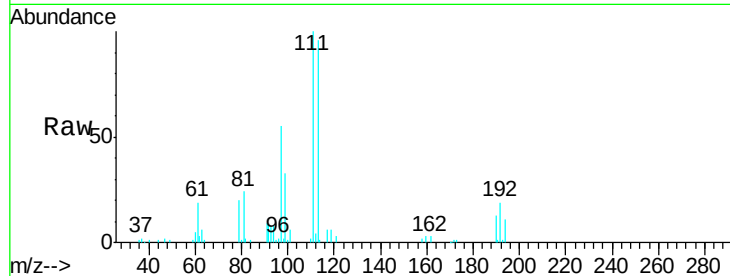
#35  
 Dibromofluoromethane  
 Concen: 49.322 ug/l  
 RT: 7.91 min Scan# 1019  
 Delta R.T. -0.01 min  
 Lab File: VD064148.D  
 Acq: 01 Nov 2019 13:00

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1101SBS01

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   | 96618 |       |       |
| 111     | 102.5 | 79.3  | 118.9 |       |
| 192     | 21.2  | 16.2  | 24.2  |       |

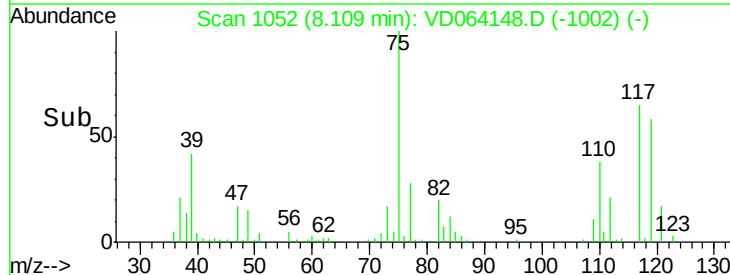
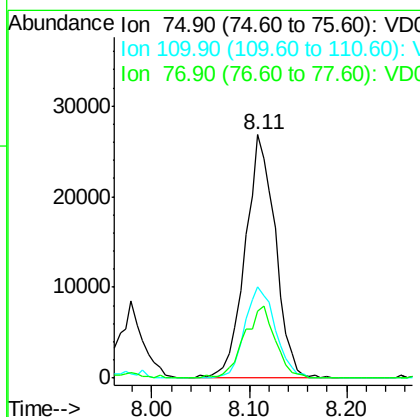
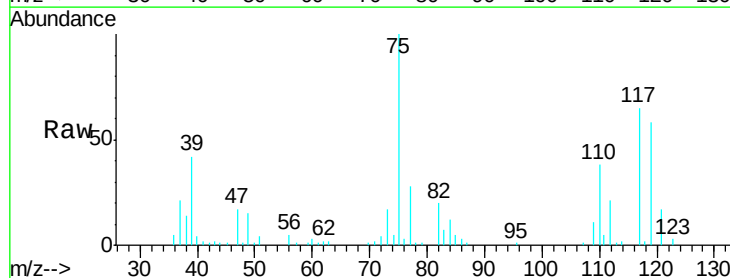
Manual Integrations  
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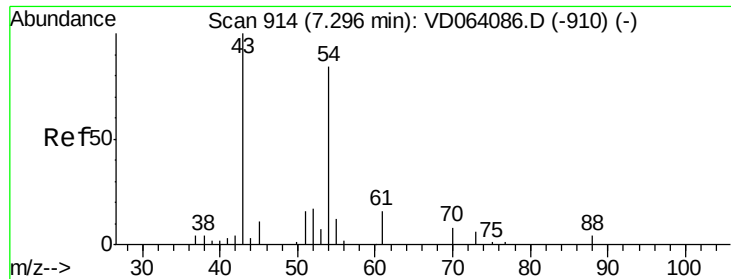
MMDadoda  
 11/4/2019 11:50:57 AM



#36  
 1,1-Dichloropropene  
 Concen: 19.284 ug/l  
 RT: 8.11 min Scan# 1052  
 Delta R.T. -0.01 min  
 Lab File: VD064148.D  
 Acq: 01 Nov 2019 13:00

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 57536 |       |       |
| 110     | 38.3  | 20.0  | 59.9  |       |
| 77      | 30.9  | 24.7  | 37.1  |       |





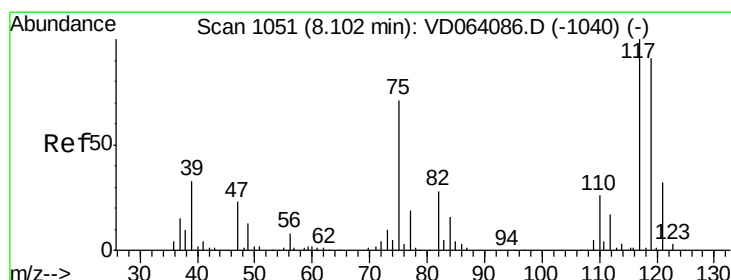
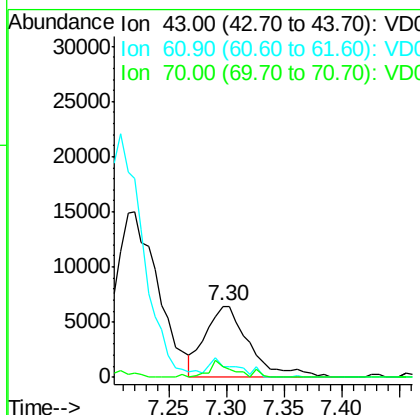
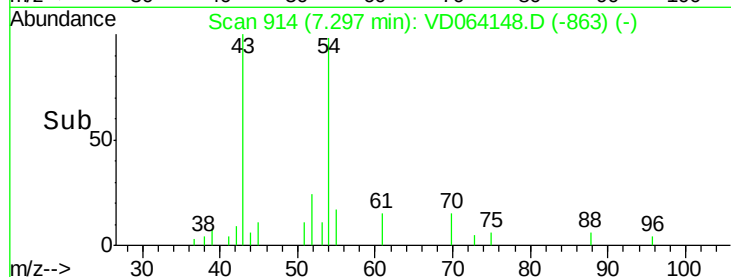
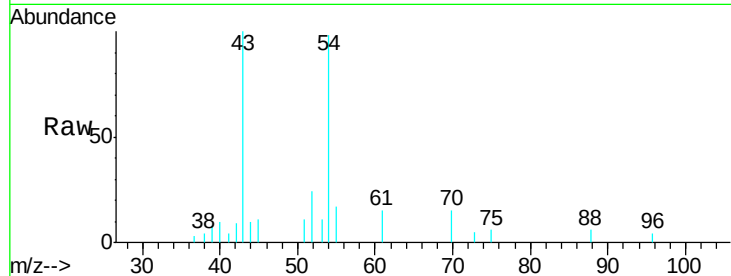
#37  
Ethyl Acetate  
Concen: 18.652 ug/l  
RT: 7.30 min Scan# 914  
Delta R.T. 0.00 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1101SBS01

Tgt Ion: 43 Resp: 17129  
Ion Ratio Lower Upper  
43 100  
61 15.8 12.0 18.0  
70 11.3 3.8 5.6#

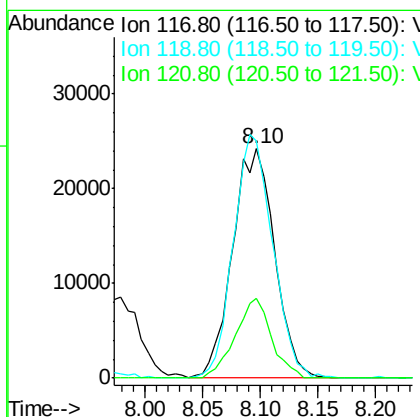
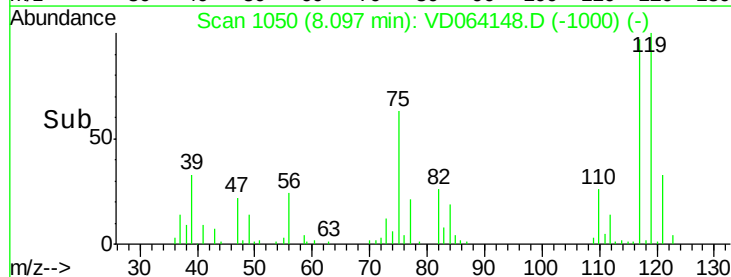
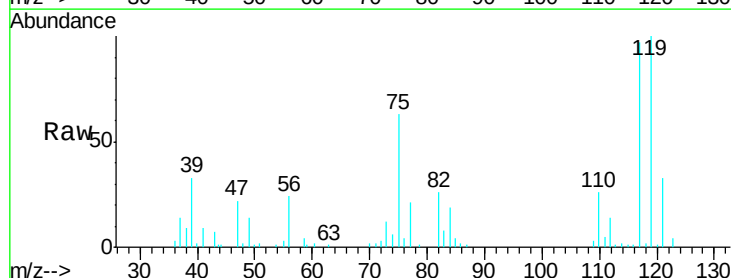
Manual Integrations  
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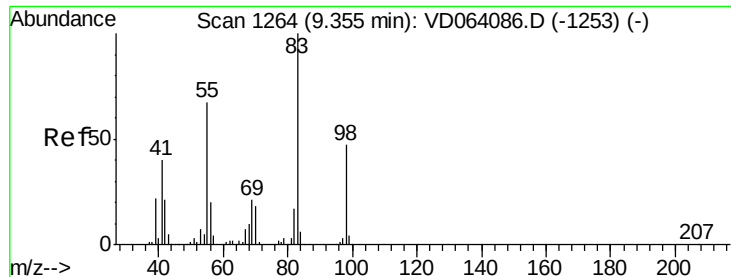
MMDadoda  
11/4/2019 11:50:57 AM



#38  
Carbon Tetrachloride  
Concen: 18.845 ug/l  
RT: 8.10 min Scan# 1050  
Delta R.T. -0.01 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

Tgt Ion: 117 Resp: 61345  
Ion Ratio Lower Upper  
117 100  
119 103.4 72.6 108.8  
121 34.6 25.8 38.6





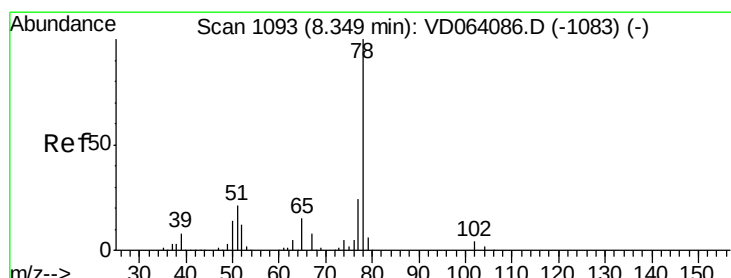
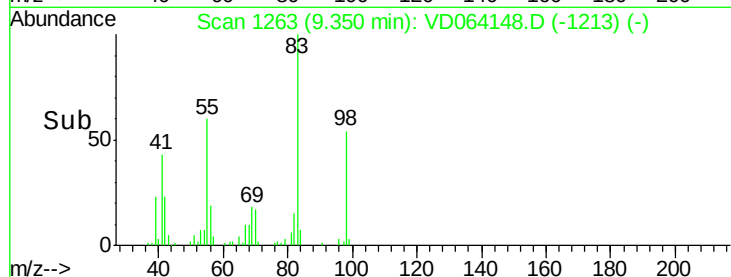
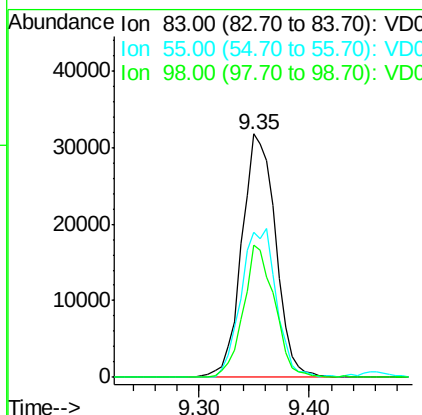
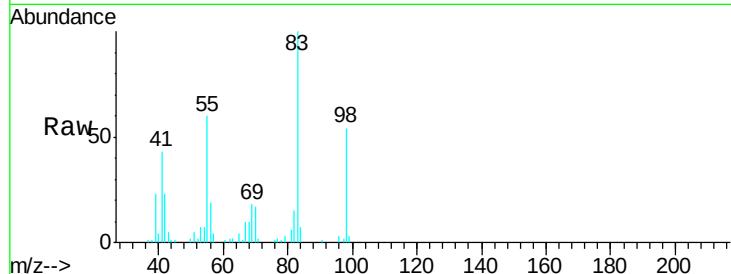
#39  
Methylcyclohexane  
Concen: 18.676 ug/l  
RT: 9.35 min Scan# 1263  
Delta R.T. -0.01 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1101SBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 59.6  | 53.4  | 80.0  |
| 98      | 54.1  | 37.8  | 56.6  |

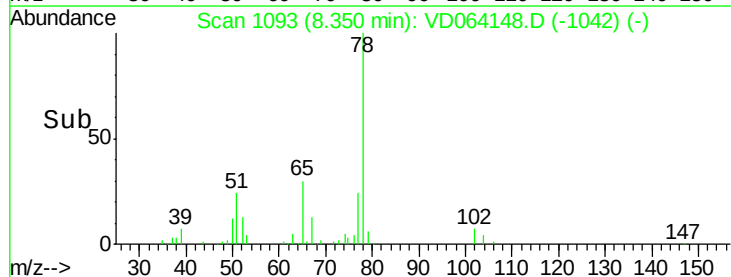
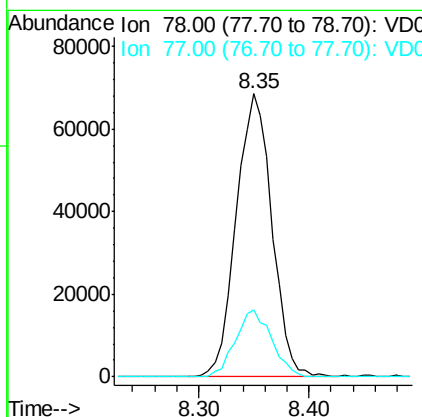
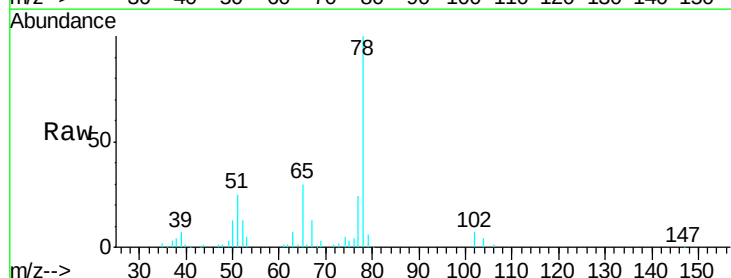
Manual Integrations  
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11/4/2019 11:50:57 AM

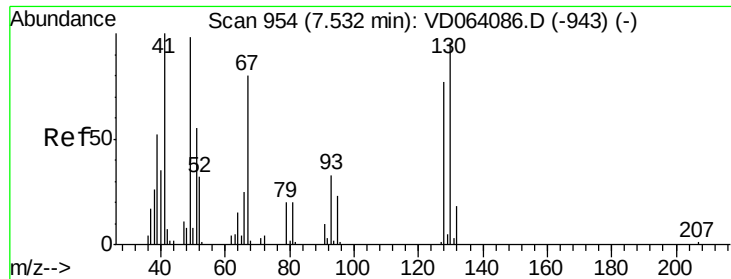


#40  
Benzene  
Concen: 19.151 ug/l  
RT: 8.35 min Scan# 1093  
Delta R.T. 0.00 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.8  | 19.0  | 28.4  |







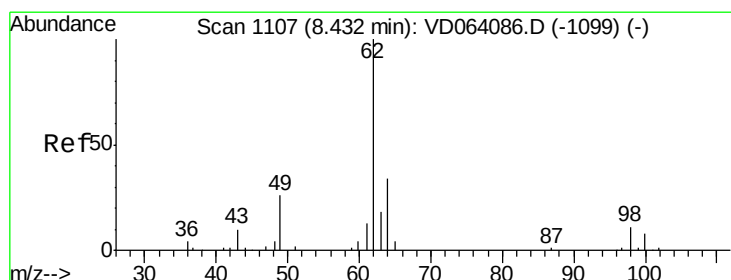
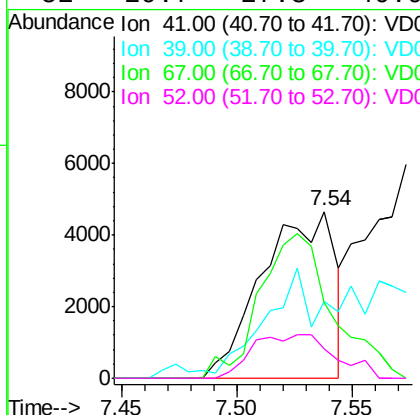
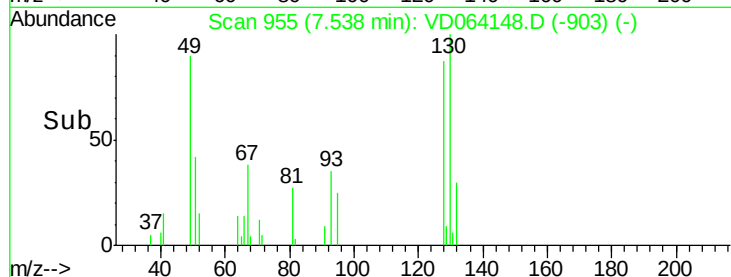
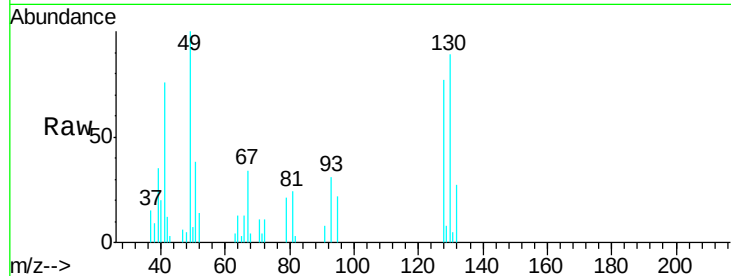
#41  
Methacrylonitrile  
Concen: 19.190 ug/l  
RT: 7.54 min Scan# 955  
Delta R.T. 0.01 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1101SBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 39.0  | 41.0  | 61.4# |
| 67      | 87.3  | 73.4  | 110.0 |
| 52      | 29.7  | 27.3  | 40.9  |

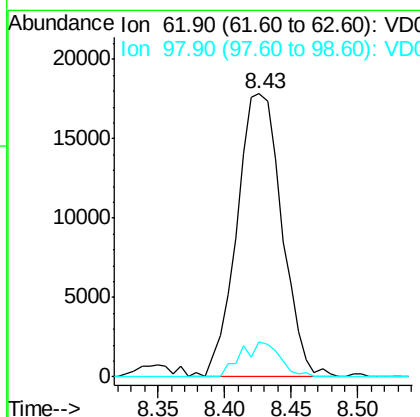
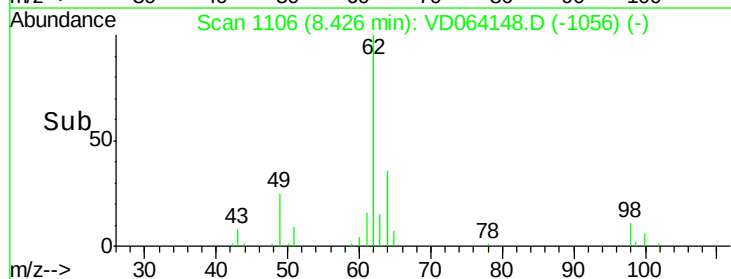
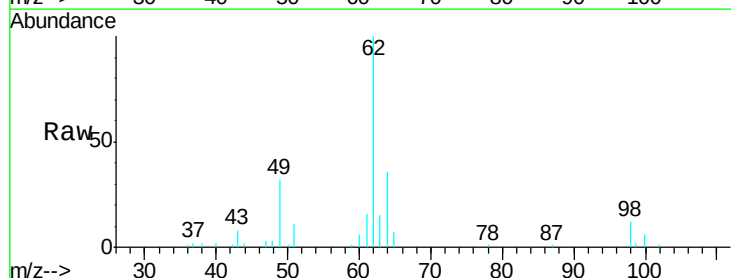
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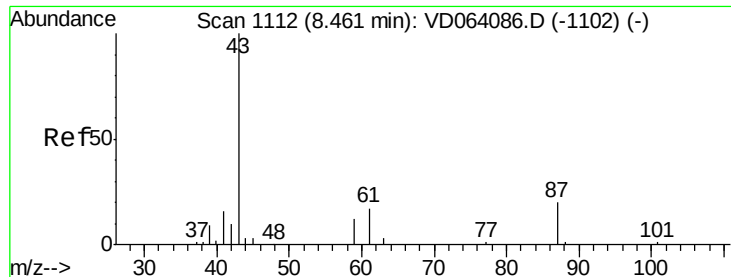
MMDadoda  
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#42  
1,2-Dichloroethane  
Concen: 19.427 ug/l  
RT: 8.43 min Scan# 1106  
Delta R.T. -0.01 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.7  | 0.0   | 21.0  |





#43

Isopropyl Acetate

Concen: 17.843 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA\_D

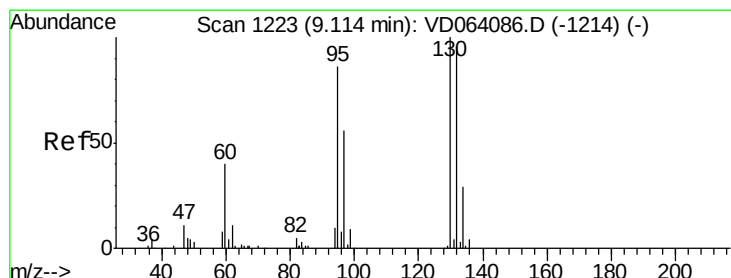
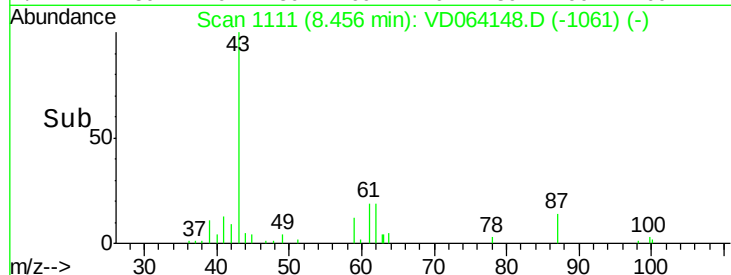
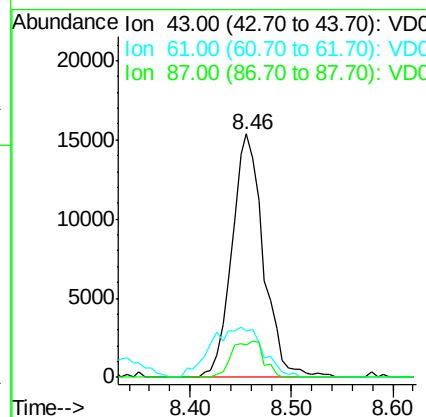
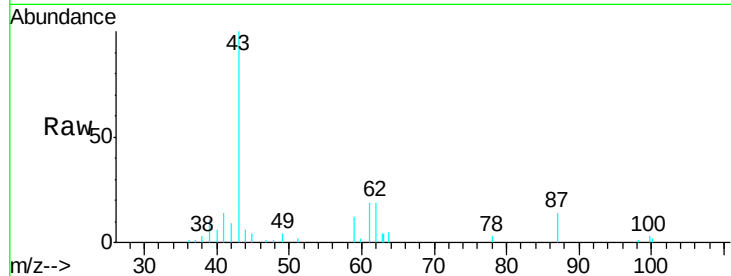
ClientSampleId :

VD1101SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 33116 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 34.1  | 25.8  | 38.8  |
| 87       | 15.0  | 13.0  | 19.4  |

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#44

Trichloroethene

Concen: 20.034 ug/l

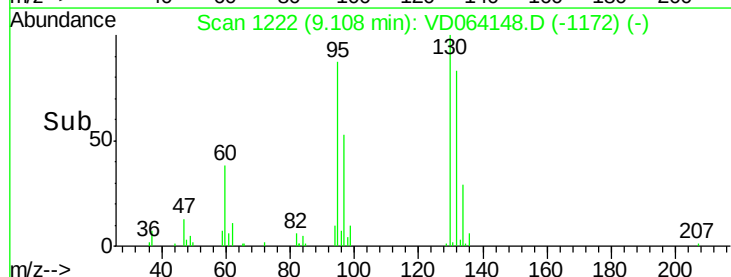
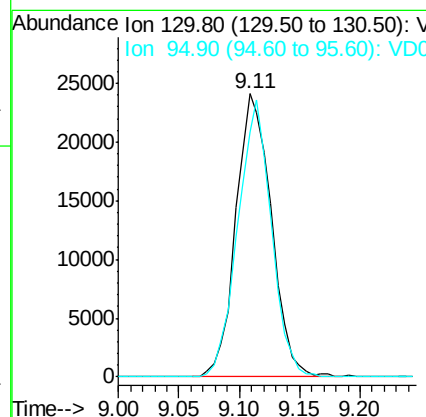
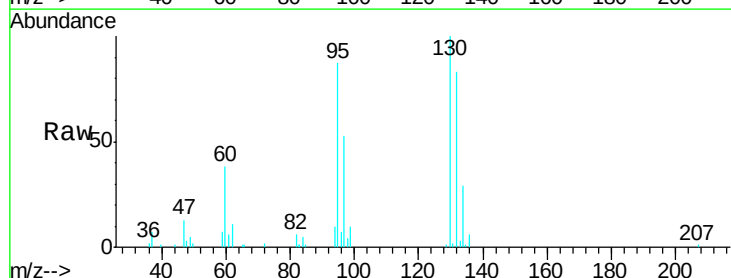
RT: 9.11 min Scan# 1222

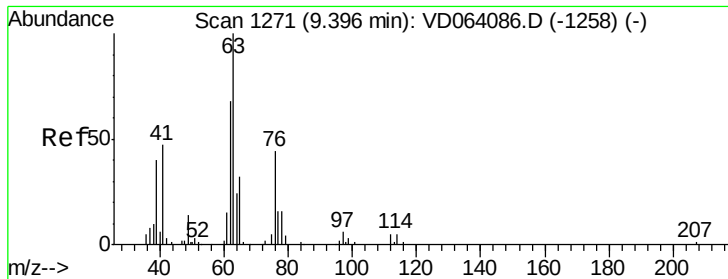
Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 49402 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 86.6  | 0.0   | 173.0 |





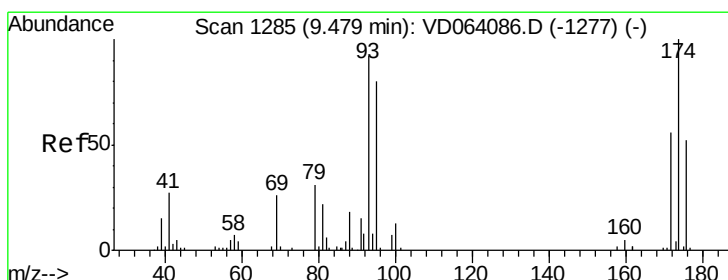
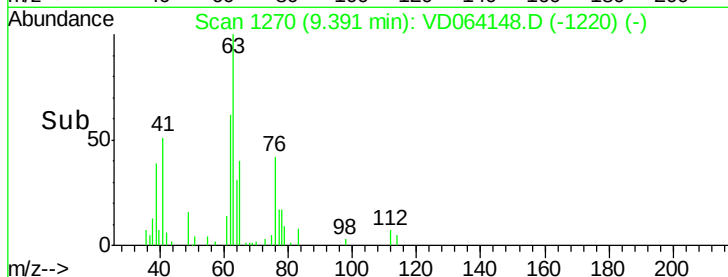
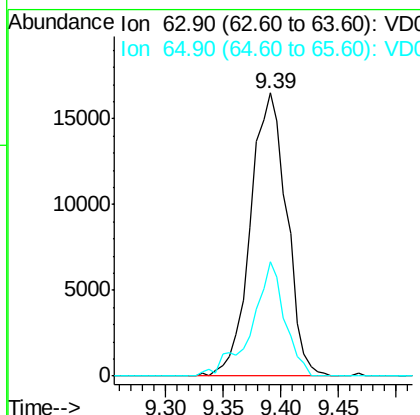
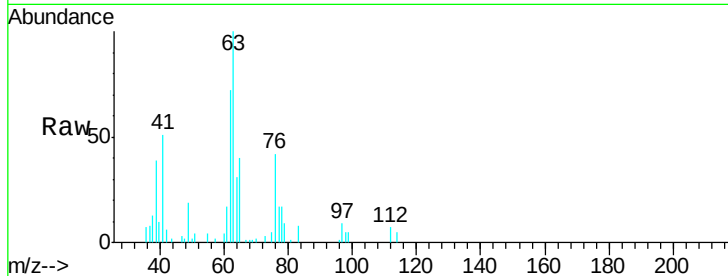
#45  
 1,2-Dichloropropane  
 Concen: 19.113 ug/l  
 RT: 9.39 min Scan# 1270  
 Delta R.T. -0.01 min  
 Lab File: VD064148.D  
 Acq: 01 Nov 2019 13:00

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1101SBS01

Tgt Ion: 63 Resp: 36039  
 Ion Ratio Lower Upper  
 63 100  
 65 40.2 25.8 38.8#

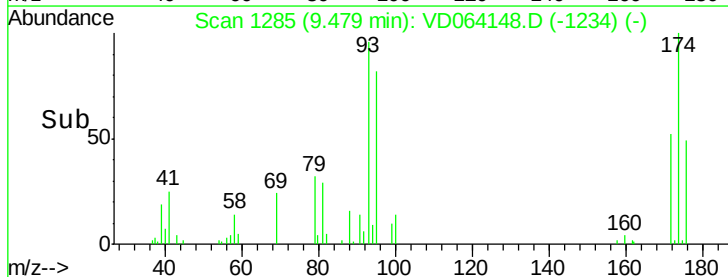
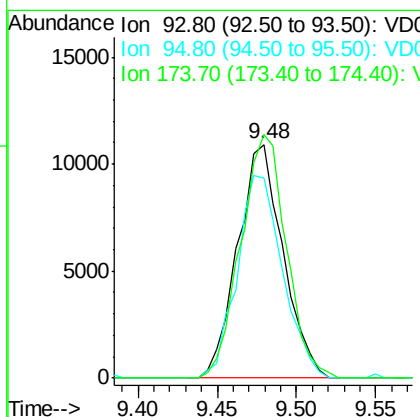
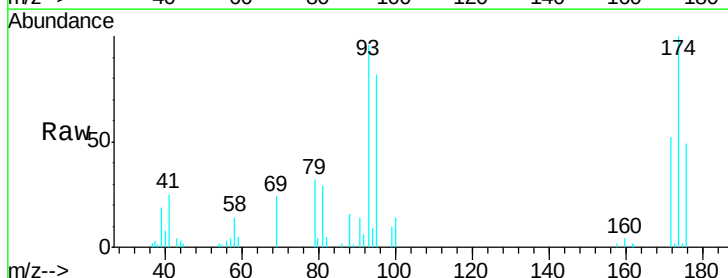
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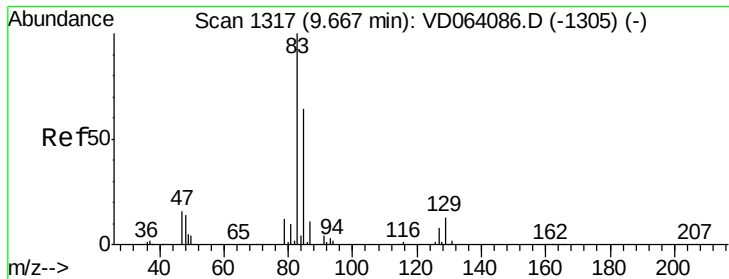
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 11/4/2019 11:50:57 AM



#46  
 Dibromomethane  
 Concen: 19.059 ug/l  
 RT: 9.48 min Scan# 1285  
 Delta R.T. 0.00 min  
 Lab File: VD064148.D  
 Acq: 01 Nov 2019 13:00

Tgt Ion: 93 Resp: 21643  
 Ion Ratio Lower Upper  
 93 100  
 95 87.2 67.4 101.2  
 174 104.7 86.4 129.6





#47

Bromodichloromethane

Concen: 18.650 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA\_D

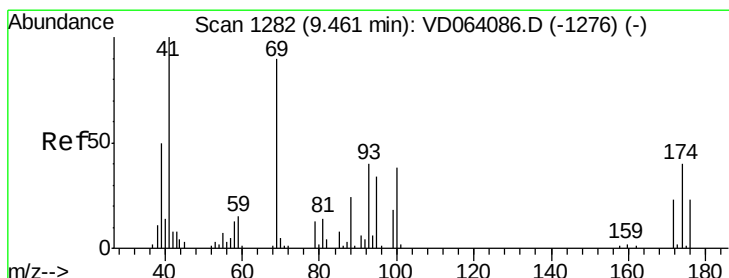
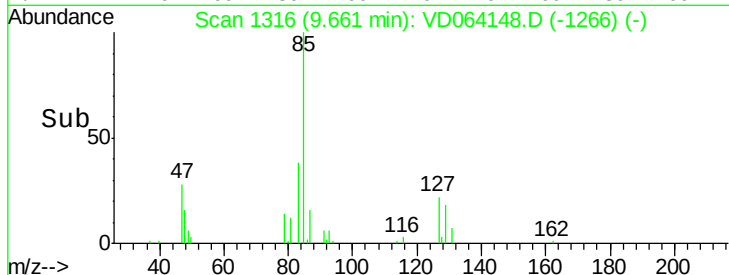
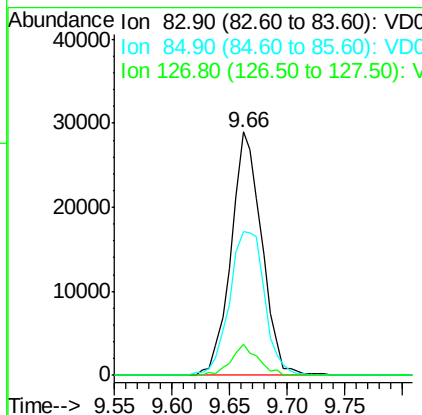
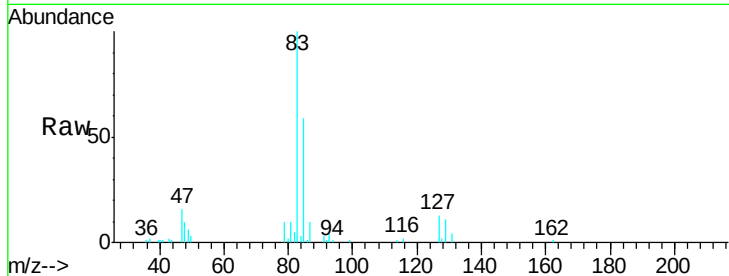
ClientSampleId :

VD1101SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 53428 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 59.3  | 51.4  | 77.0  |
| 127      | 12.8  | 6.7   | 10.1# |

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11/4/2019 11:50:57 AM



#48

Methyl methacrylate

Concen: 18.078 ug/l

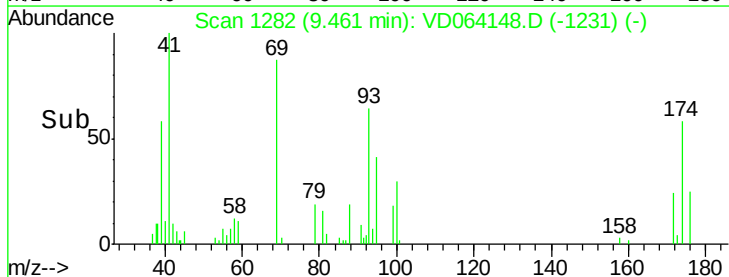
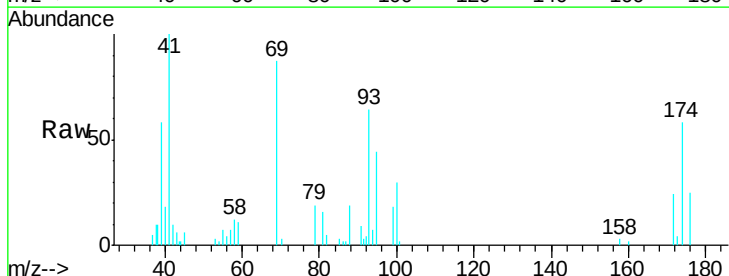
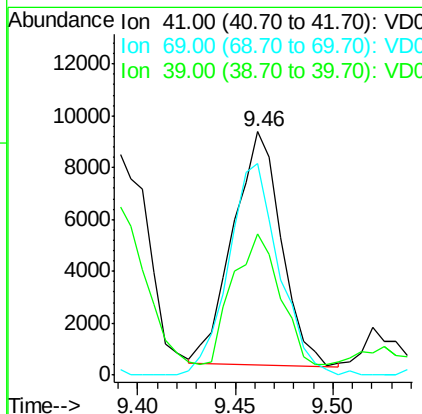
RT: 9.46 min Scan# 1282

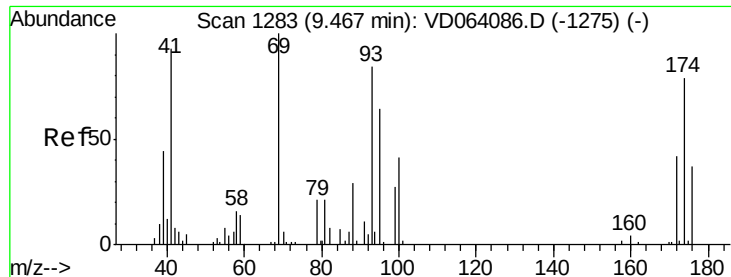
Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 15515 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 94.4  | 82.6  | 124.0 |
| 39       | 56.0  | 47.0  | 70.4  |





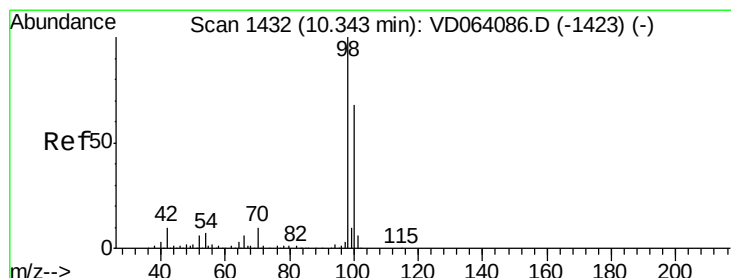
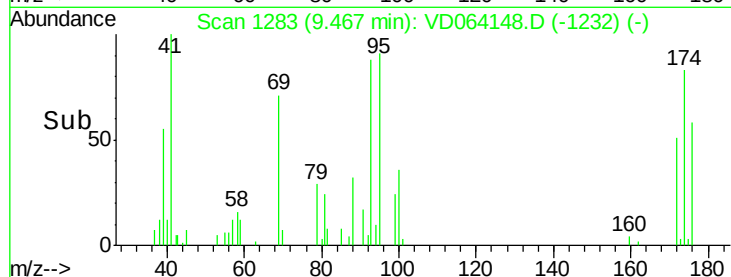
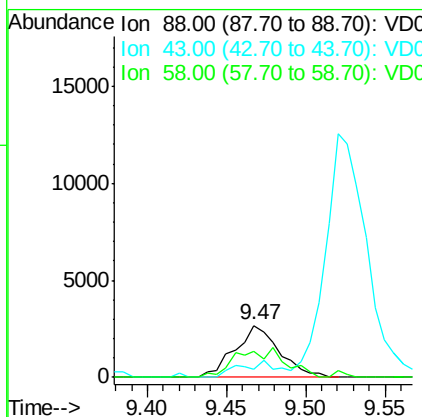
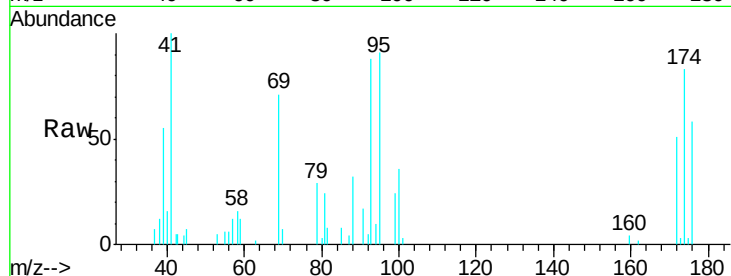
#49  
1,4-Dioxane  
Concen: 395.500 ug/l  
RT: 9.47 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1101SBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 27.2  | 13.4  | 20.0  |
| 58      | 63.3  | 46.7  | 70.1  |

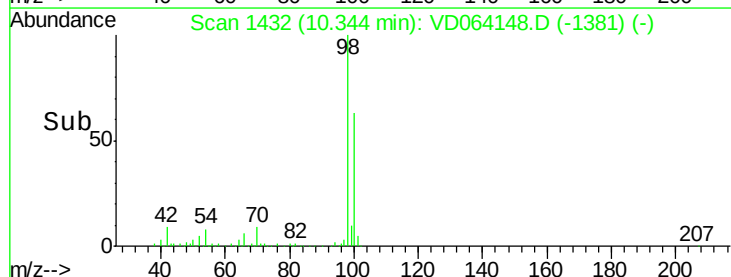
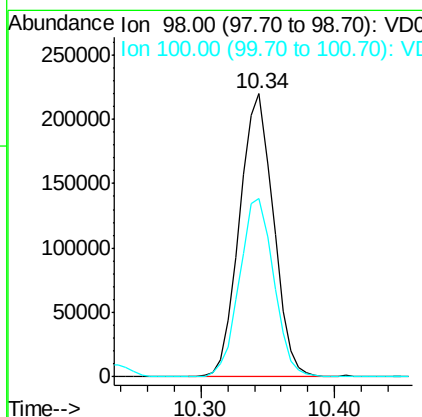
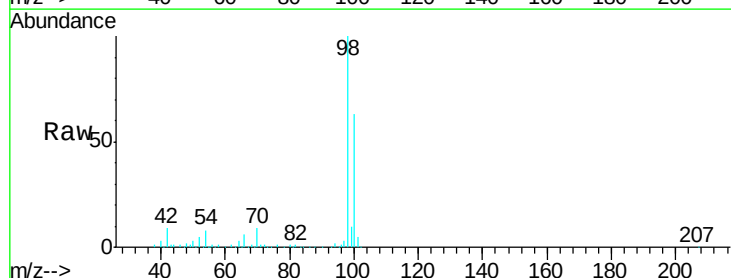
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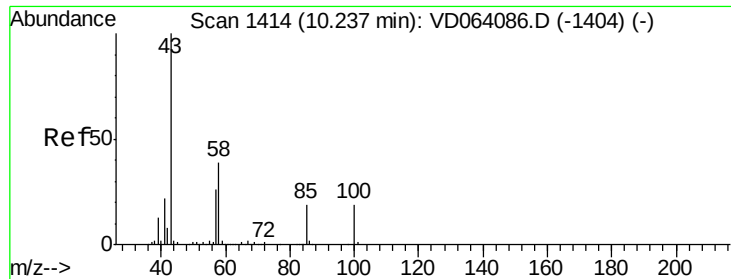
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#50  
Toluene-d8  
Concen: 49.452 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. 0.00 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.0  | 53.4  | 80.0  |





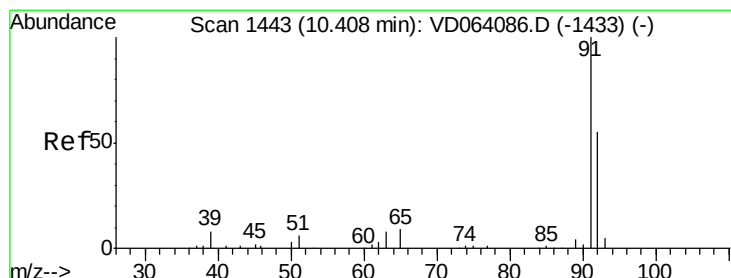
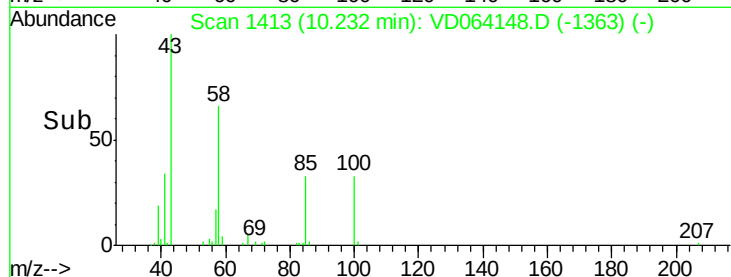
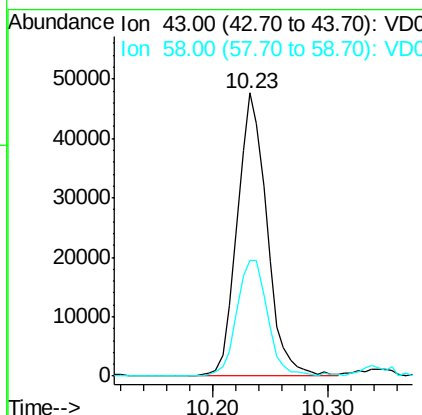
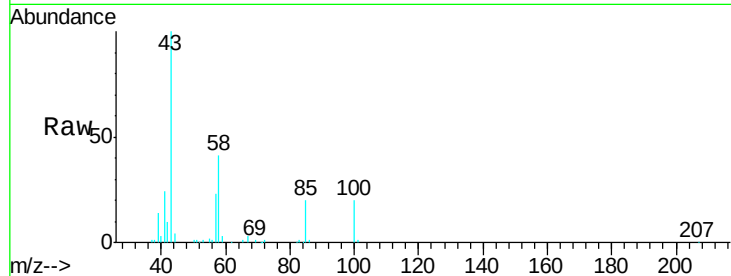
#51  
 4-Methyl-2-Pentanone  
 Concen: 84.421 ug/l  
 RT: 10.23 min Scan# 1413  
 Delta R.T. -0.01 min  
 Lab File: VD064148.D  
 Acq: 01 Nov 2019 13:00

Instrument :  
 MSVOA\_D  
 ClientSampled :  
 VD1101SBS01

Tgt Ion: 43 Resp: 85296  
 Ion Ratio Lower Upper  
 43 100  
 58 42.2 33.0 49.4

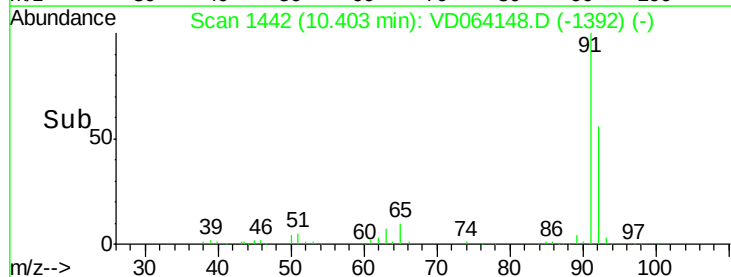
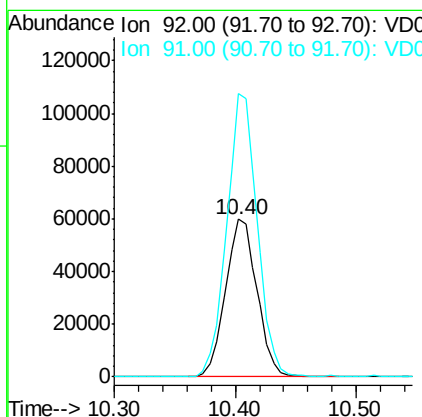
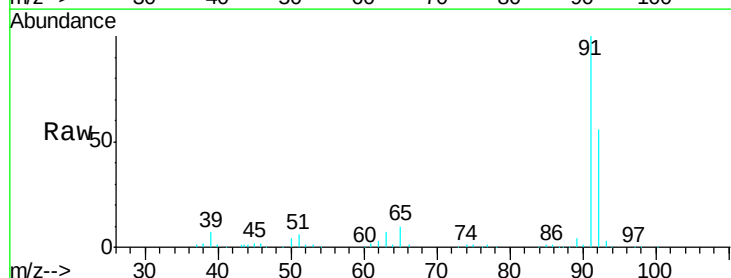
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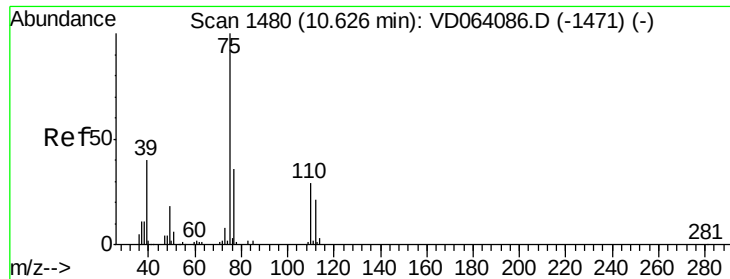
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 11/4/2019 11:50:57 AM



#52  
 Toluene  
 Concen: 18.990 ug/l  
 RT: 10.40 min Scan# 1442  
 Delta R.T. -0.01 min  
 Lab File: VD064148.D  
 Acq: 01 Nov 2019 13:00

Tgt Ion: 92 Resp: 108275  
 Ion Ratio Lower Upper  
 92 100  
 91 174.2 140.7 211.1





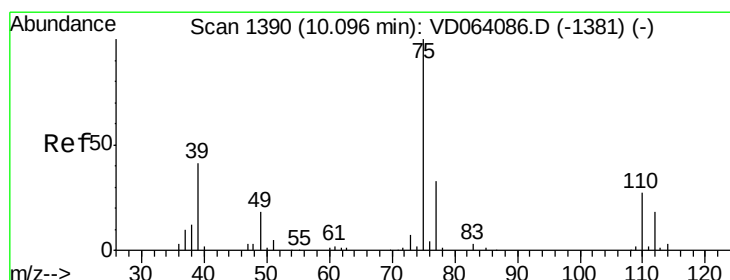
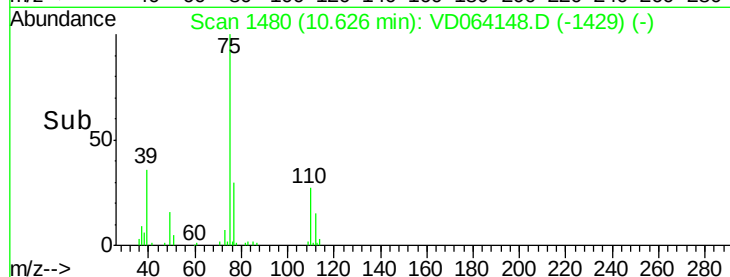
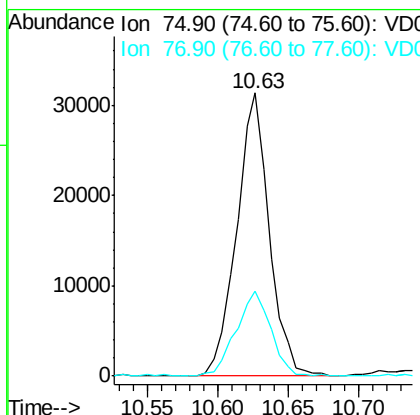
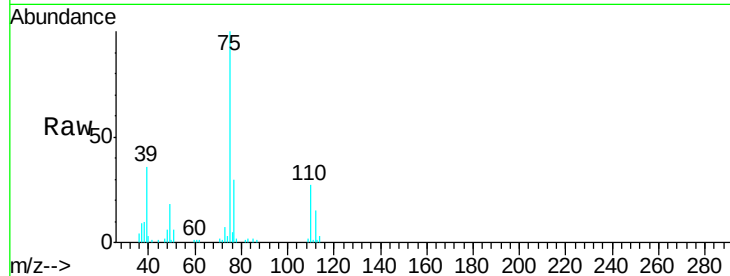
#53  
 t-1,3-Dichloropropene  
 Concen: 18.839 ug/l  
 RT: 10.63 min Scan# 1480  
 Delta R.T. 0.00 min  
 Lab File: VD064148.D  
 Acq: 01 Nov 2019 13:00

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1101SBS01

Tgt Ion: 75 Resp: 50379  
 Ion Ratio Lower Upper  
 75 100  
 77 30.2 28.7 43.1

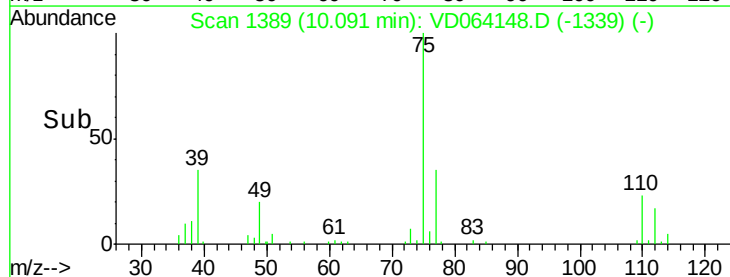
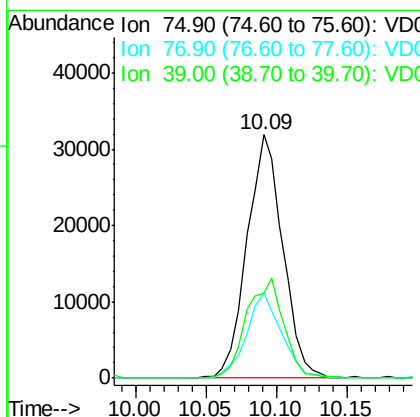
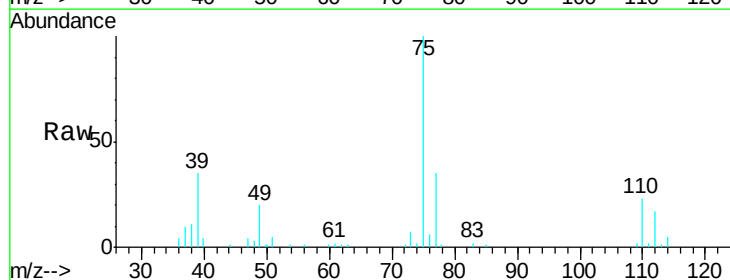
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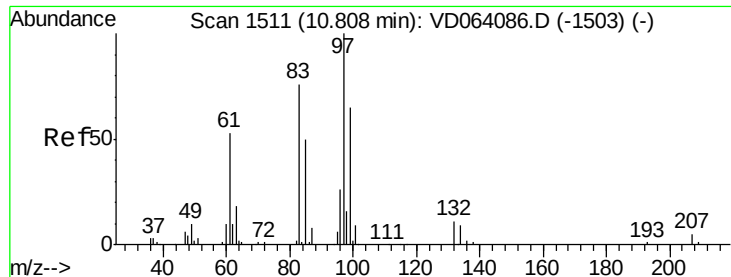
MMDadoda  
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#54  
 cis-1,3-Dichloropropene  
 Concen: 18.031 ug/l  
 RT: 10.09 min Scan# 1389  
 Delta R.T. -0.01 min  
 Lab File: VD064148.D  
 Acq: 01 Nov 2019 13:00

Tgt Ion: 75 Resp: 56729  
 Ion Ratio Lower Upper  
 75 100  
 77 34.9 26.8 40.2  
 39 35.1 32.7 49.1





#55

1,1,2-Trichloroethane

Concen: 18.256 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA\_D

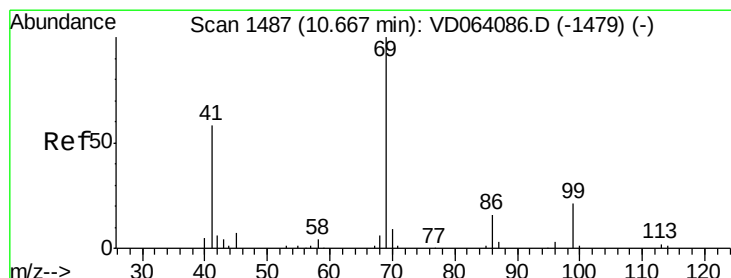
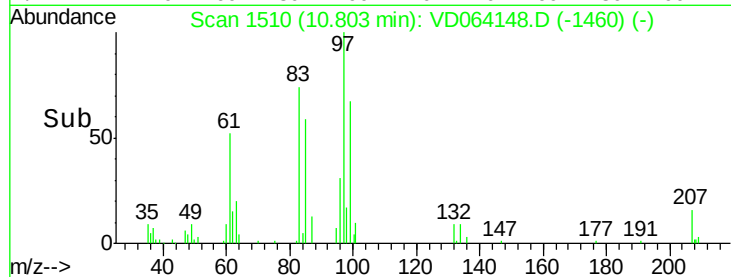
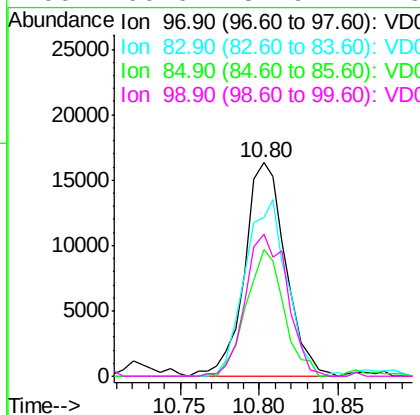
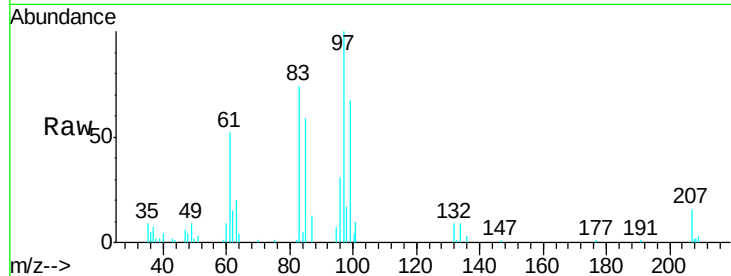
ClientSampleId :

VD1101SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 29393 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 74.4  | 60.9  | 91.3  |
| 85       | 59.3  | 40.2  | 60.2  |
| 99       | 66.6  | 51.9  | 77.9  |

Manual Integrations  
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11/4/2019 11:50:57 AM



#56

Ethyl methacrylate

Concen: 17.492 ug/l

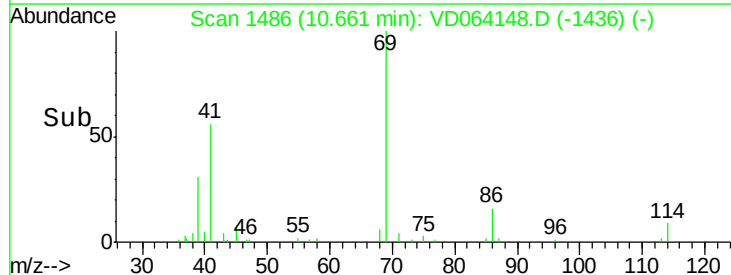
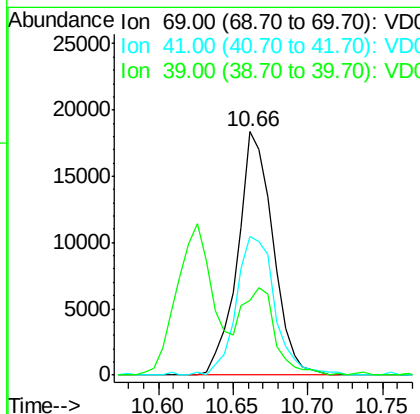
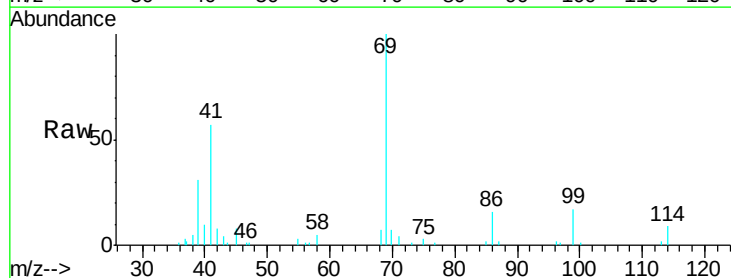
RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

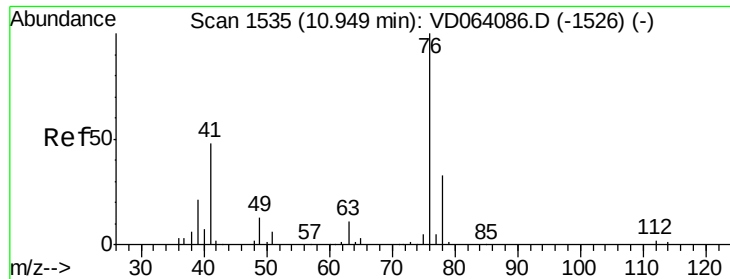
Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 30142 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 62.4  | 46.9  | 70.3  |
| 39       | 33.4  | 27.3  | 40.9  |







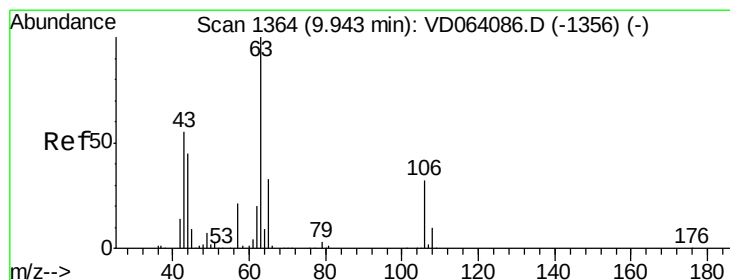
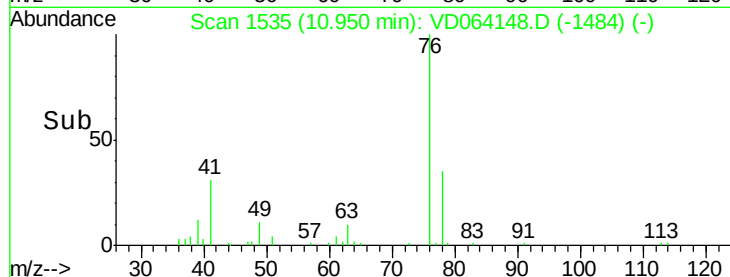
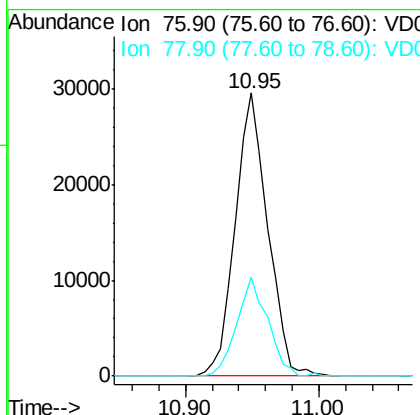
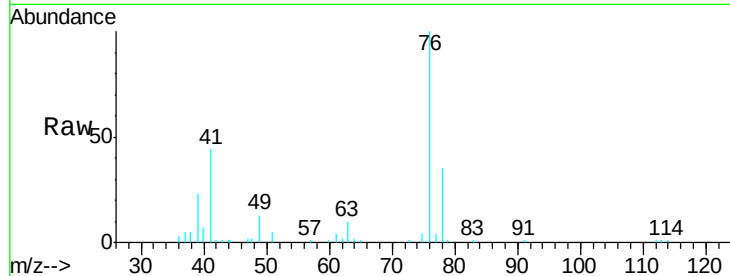
#57  
 1,3-Dichloropropane  
 Concen: 18.745 ug/l  
 RT: 10.95 min Scan# 1535  
 Delta R.T. 0.00 min  
 Lab File: VD064148.D  
 Acq: 01 Nov 2019 13:00

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1101SBS01

Tgt Ion: 76 Resp: 49912  
 Ion Ratio Lower Upper  
 76 100  
 78 32.9 25.9 38.9

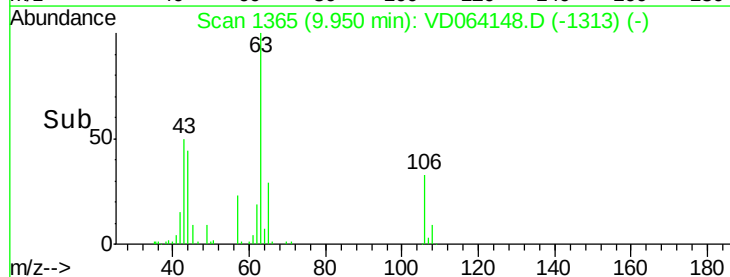
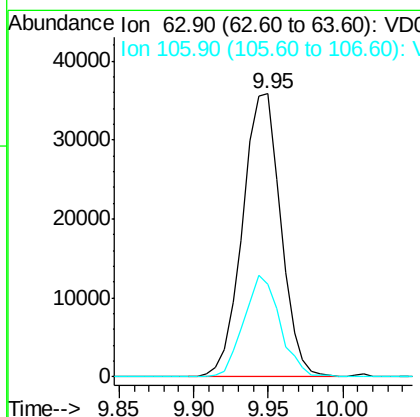
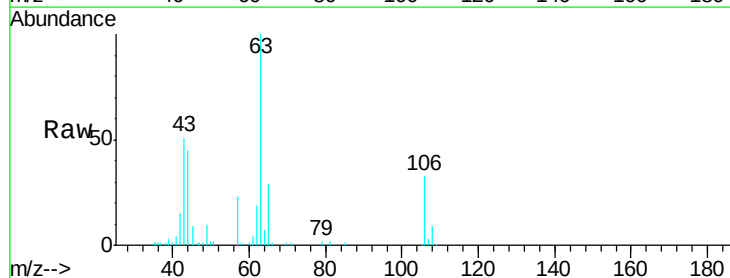
Manual Integrations  
 APPROVED

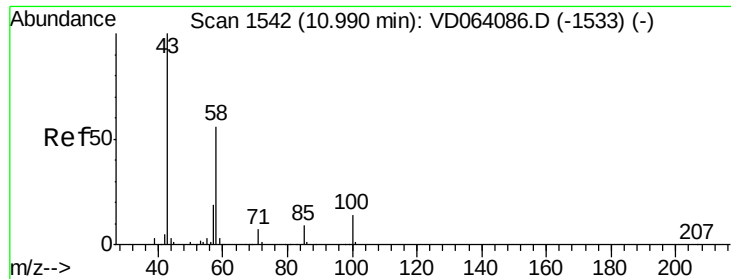
MMDadoda  
 11/4/2019 11:50:57 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 90.139 ug/l  
 RT: 9.95 min Scan# 1365  
 Delta R.T. 0.01 min  
 Lab File: VD064148.D  
 Acq: 01 Nov 2019 13:00

Tgt Ion: 63 Resp: 63581  
 Ion Ratio Lower Upper  
 63 100  
 106 34.0 25.8 38.8





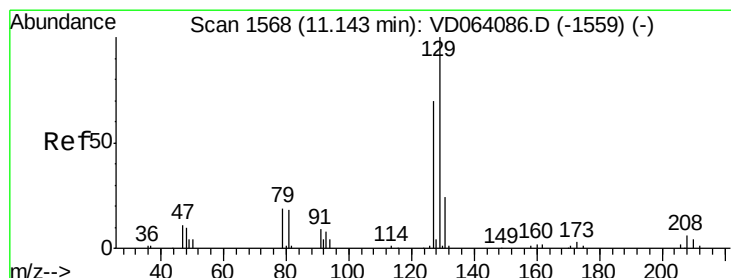
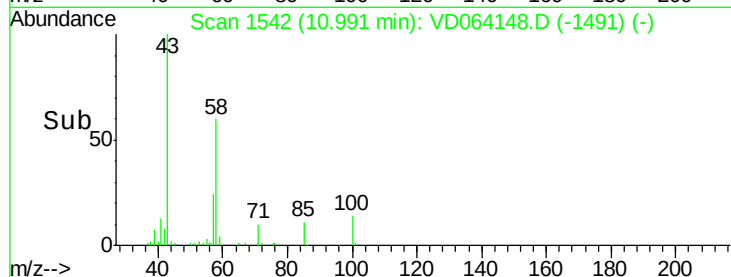
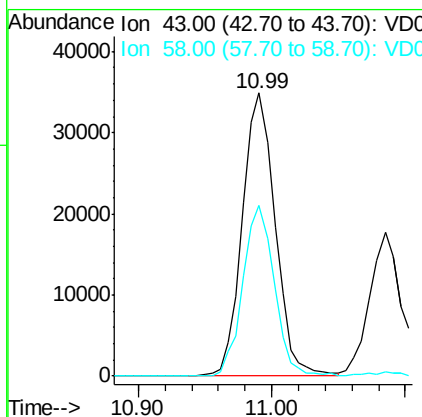
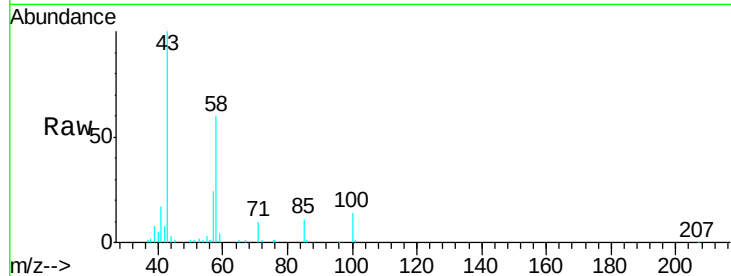
#59  
2-Hexanone  
Concen: 81.206 ug/l  
RT: 10.99 min Scan# 1542  
Delta R.T. 0.00 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1101SBS01

Tgt Ion: 43 Resp: 59316  
Ion Ratio Lower Upper  
43 100  
58 57.5 29.2 87.6

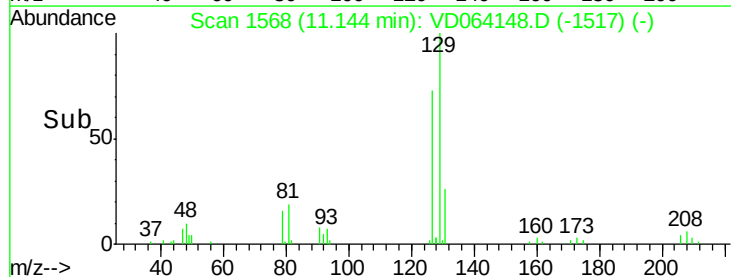
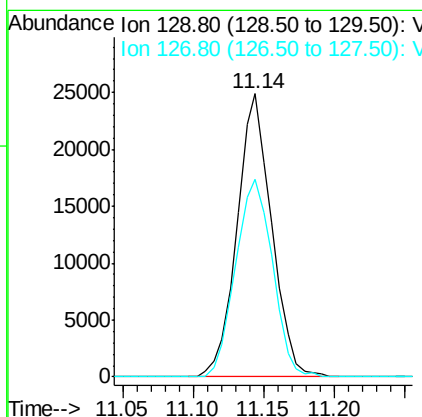
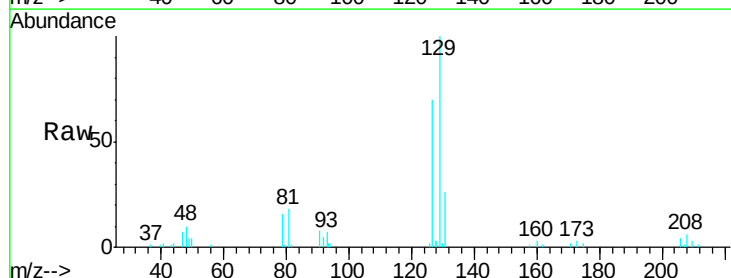
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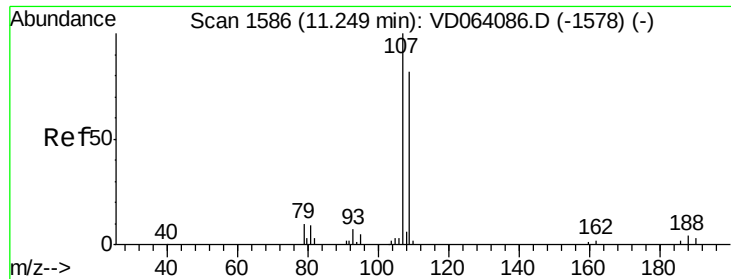
MMDadoda  
11/4/2019 11:50:57 AM



#60  
Dibromochloromethane  
Concen: 19.508 ug/l  
RT: 11.14 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

Tgt Ion: 129 Resp: 42631  
Ion Ratio Lower Upper  
129 100  
127 74.6 38.3 114.8





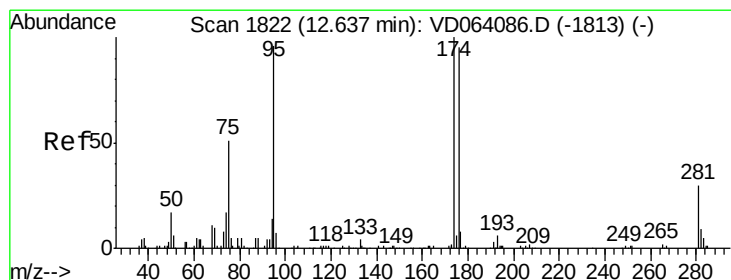
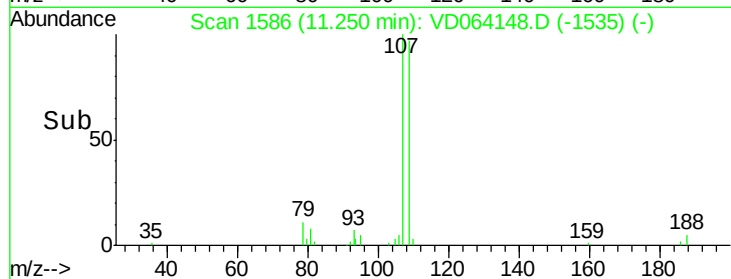
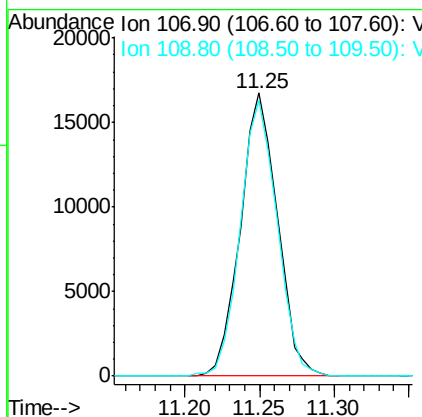
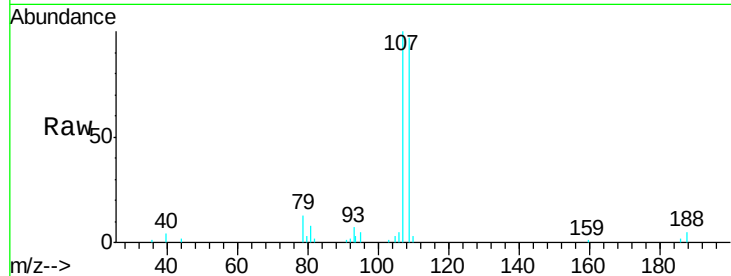
#61  
 1,2-Dibromoethane  
 Concen: 17.895 ug/l  
 RT: 11.25 min Scan# 1586  
 Delta R.T. 0.00 min  
 Lab File: VD064148.D  
 Acq: 01 Nov 2019 13:00

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1101SBS01

Tgt Ion: 107 Resp: 28816  
 Ion Ratio Lower Upper  
 107 100  
 109 97.0 73.0 109.4

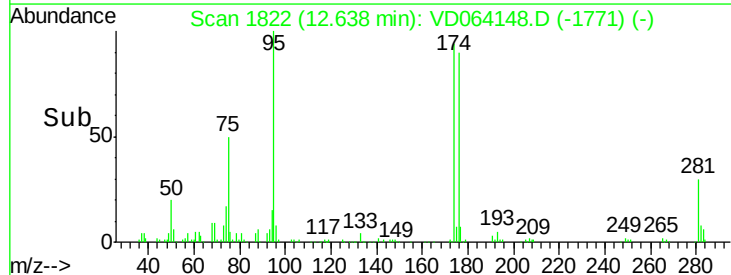
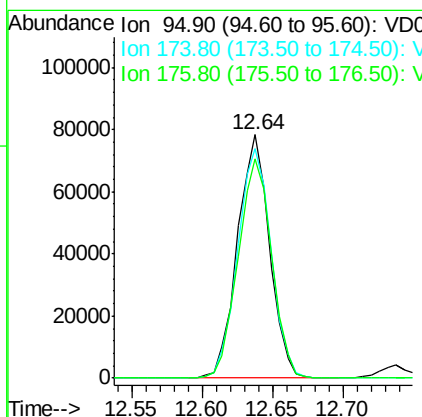
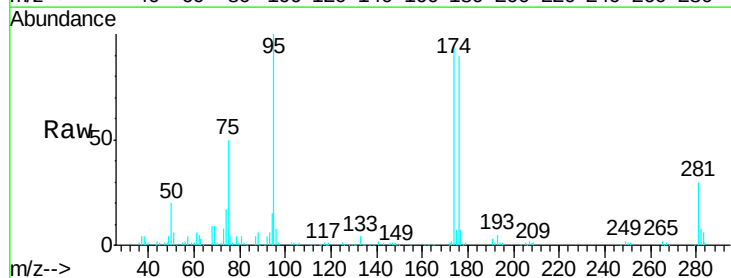
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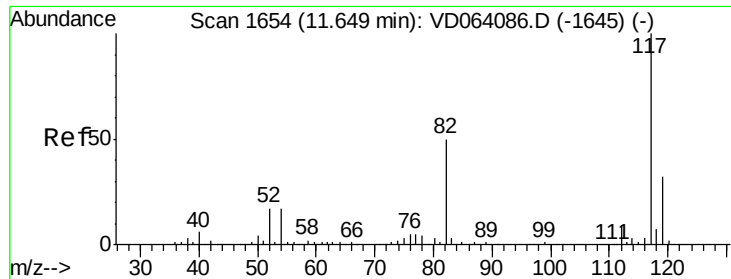
MMDadoda  
 11/4/2019 11:50:57 AM



#62  
 4-Bromofluorobenzene  
 Concen: 47.741 ug/l  
 RT: 12.64 min Scan# 1822  
 Delta R.T. 0.00 min  
 Lab File: VD064148.D  
 Acq: 01 Nov 2019 13:00

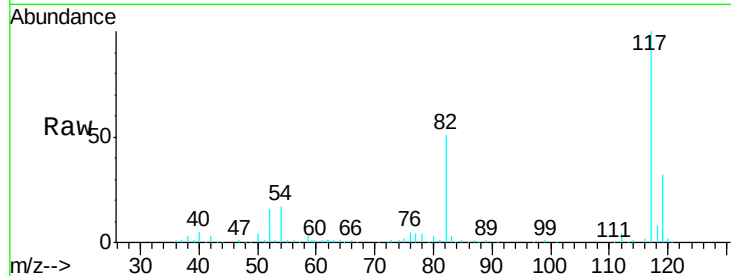
Tgt Ion: 95 Resp: 123995  
 Ion Ratio Lower Upper  
 95 100  
 174 98.8 0.0 201.6  
 176 94.5 0.0 192.6





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

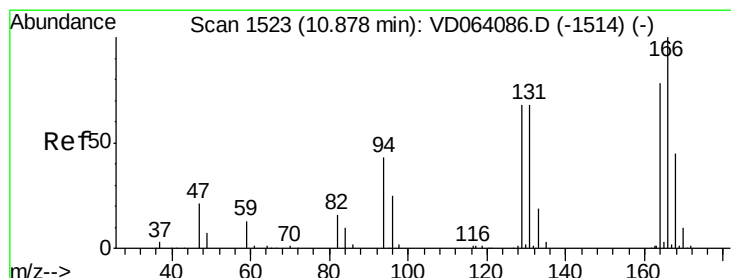
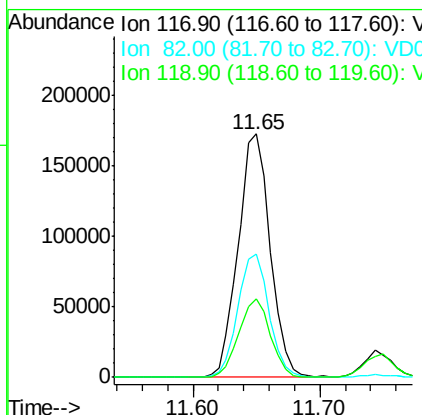
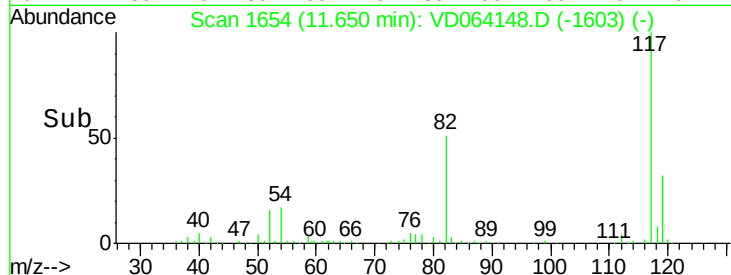
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1101SBS01



Tgt Ion:117 Resp: 302197  
Ion Ratio Lower Upper  
117 100  
82 50.7 40.2 60.4  
119 32.5 26.0 39.0

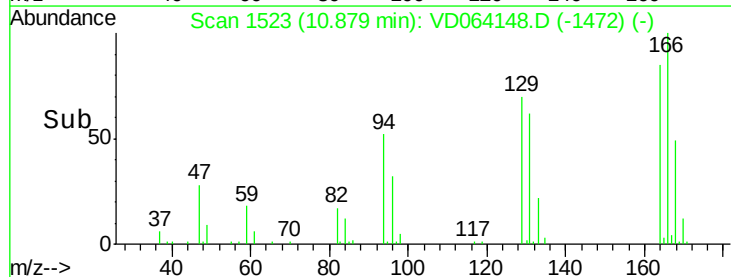
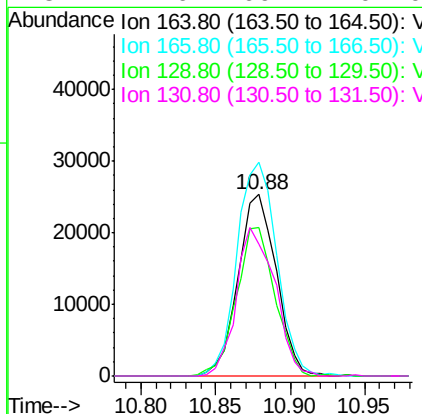
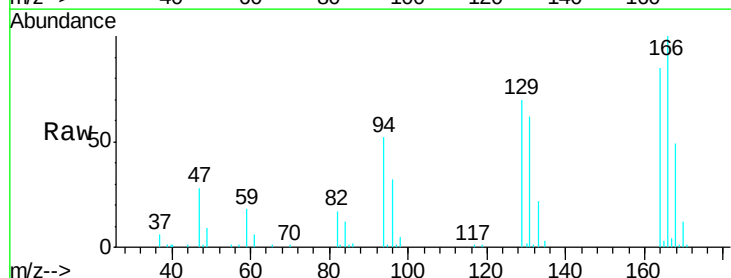
Manual Integrations  
APPROVED

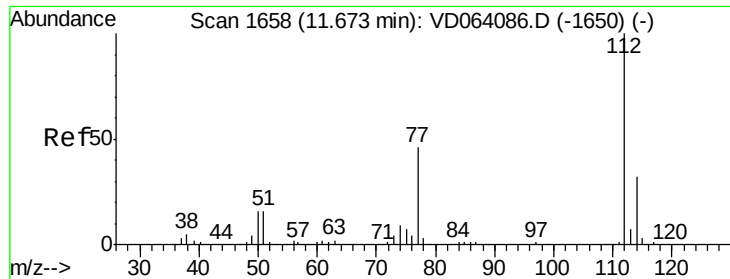
MMDadoda  
11/4/2019 11:50:57 AM



#64  
Tetrachloroethene  
Concen: 20.743 ug/l  
RT: 10.88 min Scan# 1523  
Delta R.T. 0.00 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

Tgt Ion:164 Resp: 45034  
Ion Ratio Lower Upper  
164 100  
166 117.7 102.7 154.1  
129 82.1 69.8 104.6  
131 72.6 69.4 104.0





#65

Chlorobenzene

Concen: 20.143 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA\_D

ClientSampleId :

VD1101SBS01

Tgt Ion:112 Resp: 125775

Ion Ratio Lower Upper

112 100

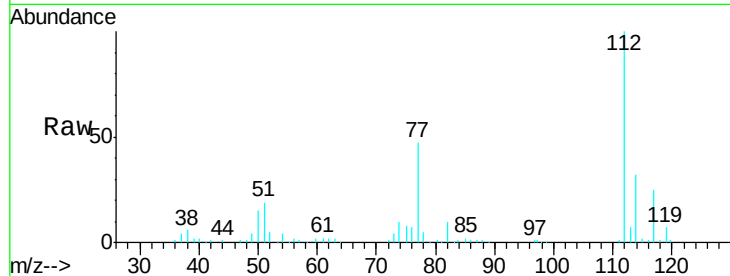
114 32.1 25.4 38.0

Manual Integrations

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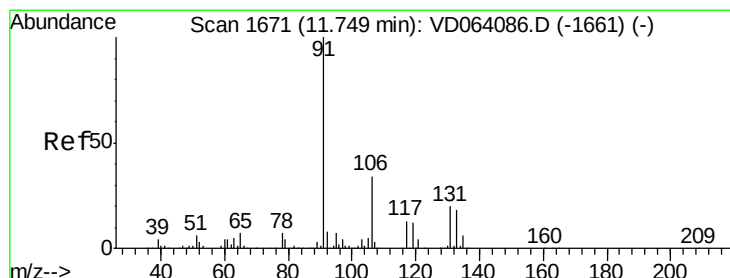
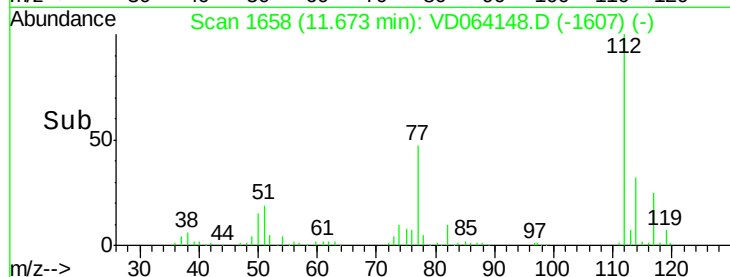
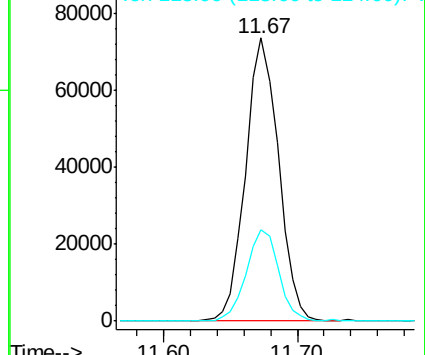
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.468 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

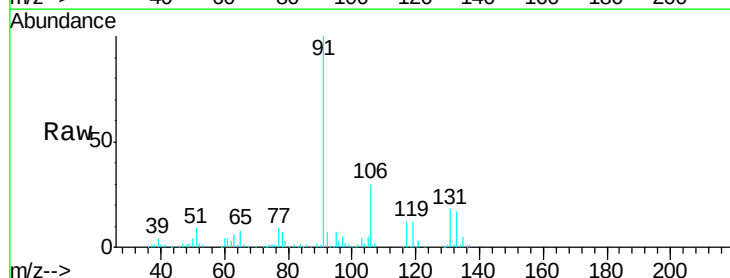
Tgt Ion:131 Resp: 45486

Ion Ratio Lower Upper

131 100

133 94.7 47.6 142.9

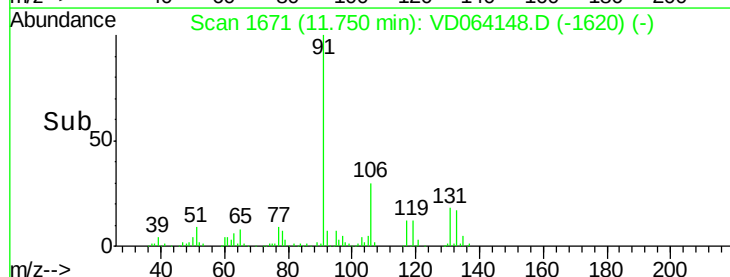
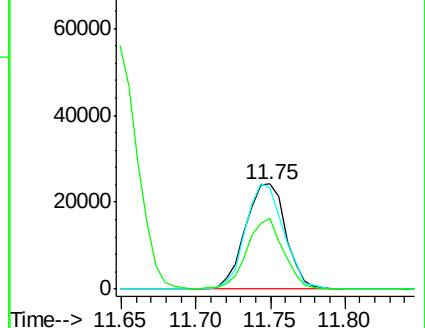
119 60.1 31.4 94.3

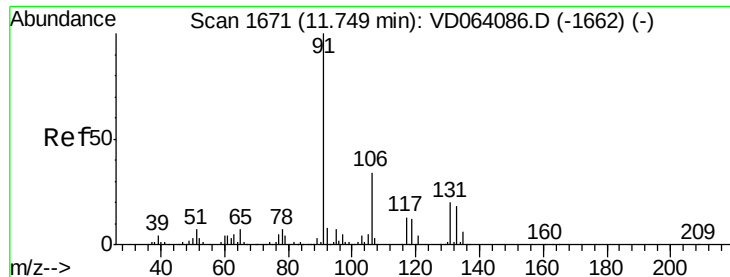


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





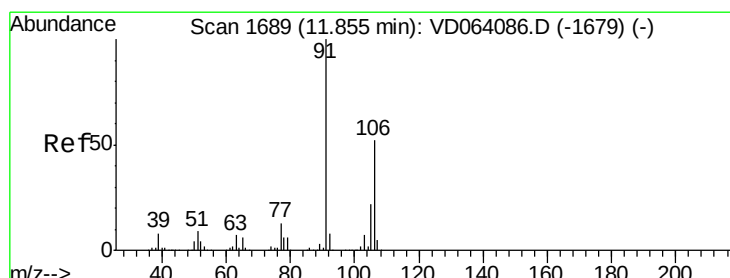
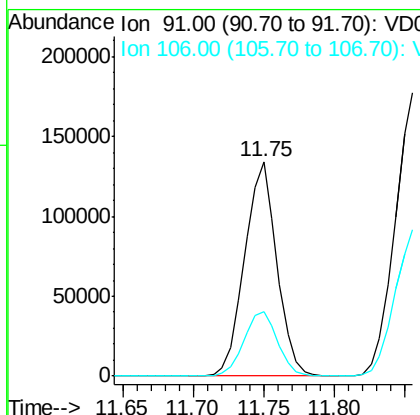
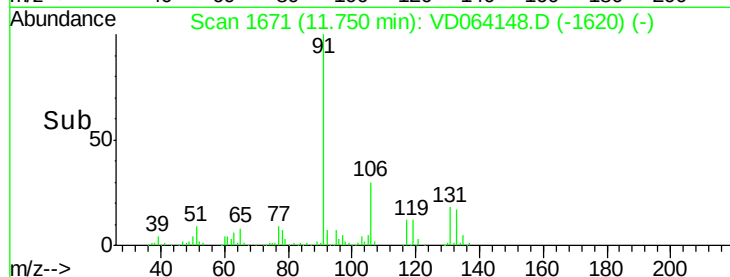
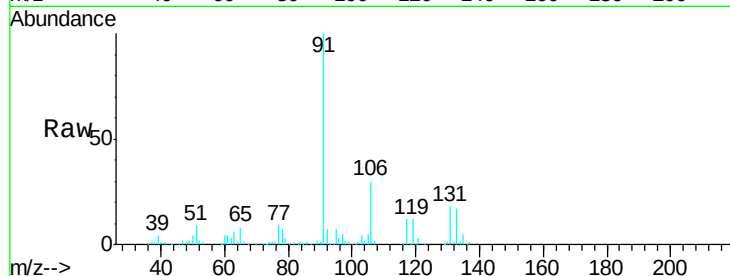
#67  
Ethyl Benzene  
Concen: 19.374 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. 0.00 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1101SBS01

Tgt Ion: 91 Resp: 215165  
Ion Ratio Lower Upper  
91 100  
106 30.2 27.0 40.6

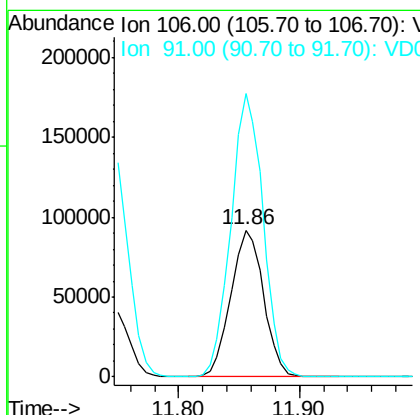
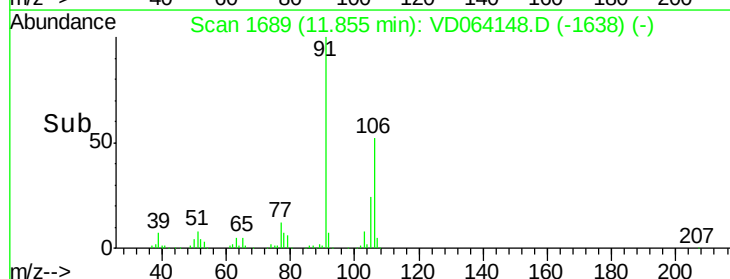
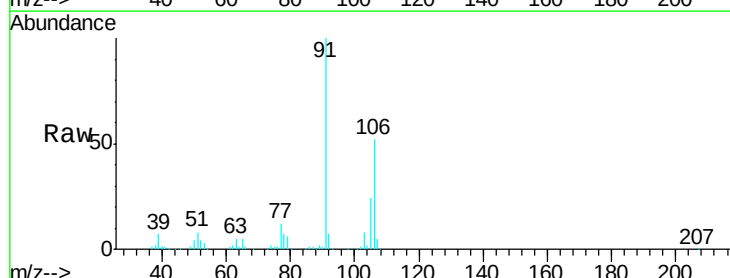
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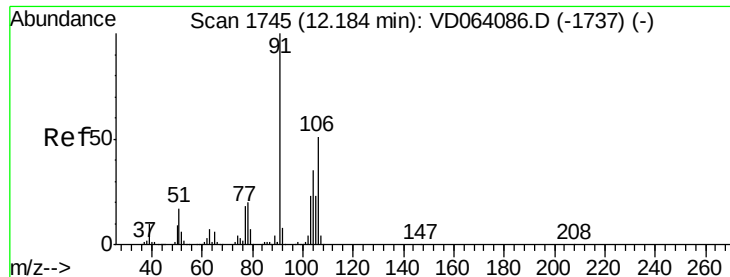
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11/4/2019 11:50:57 AM



#68  
m/p-Xylenes  
Concen: 38.928 ug/l  
RT: 11.86 min Scan# 1689  
Delta R.T. 0.00 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

Tgt Ion: 106 Resp: 173899  
Ion Ratio Lower Upper  
106 100  
91 189.6 154.0 231.0





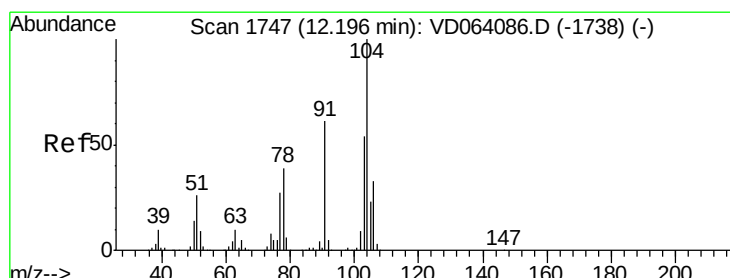
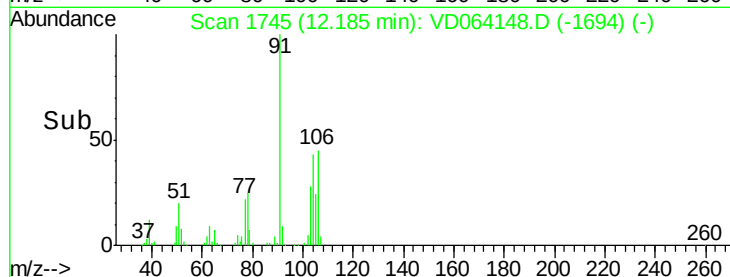
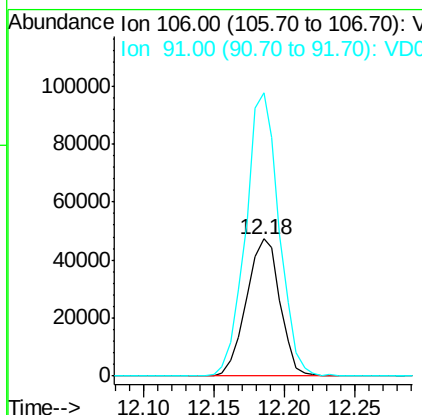
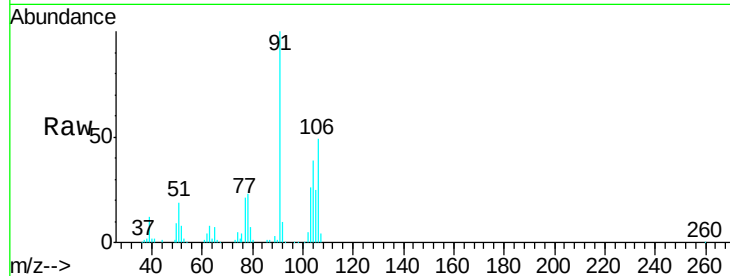
#69  
o-Xylene  
Concen: 19.442 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. 0.00 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1101SBS01

Tgt Ion:106 Resp: 79264  
Ion Ratio Lower Upper  
106 100  
91 204.1 100.6 301.9

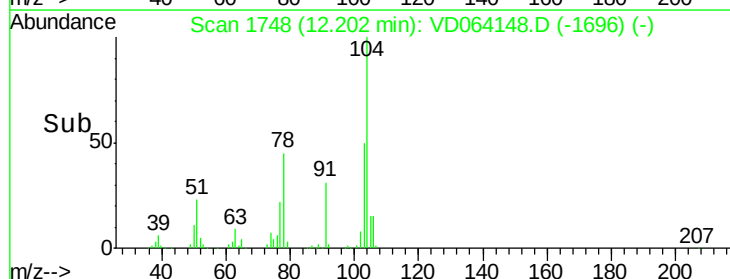
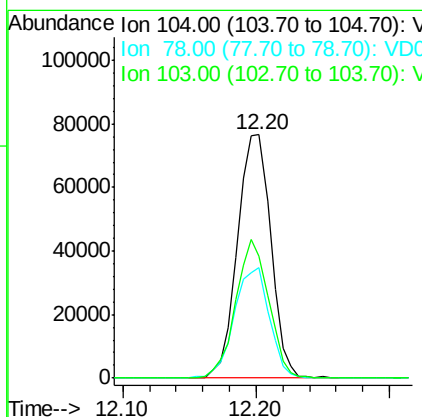
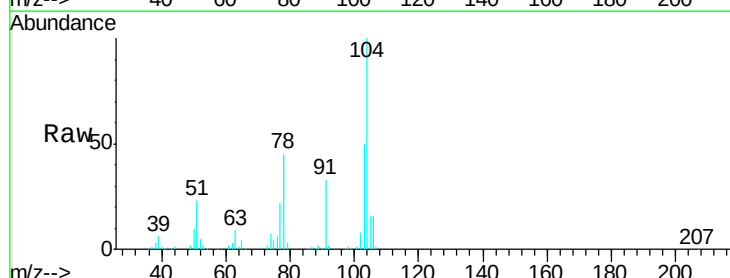
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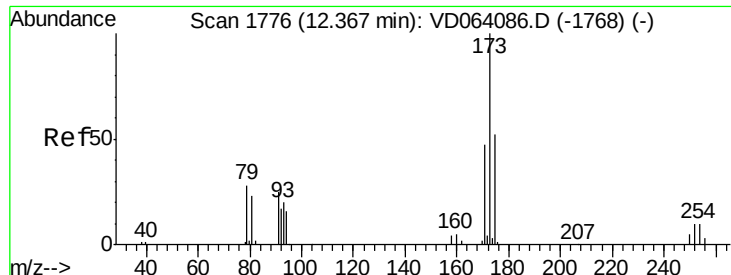
MMDadoda  
11/4/2019 11:50:57 AM



#70  
Styrene  
Concen: 18.914 ug/l  
RT: 12.20 min Scan# 1748  
Delta R.T. 0.01 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

Tgt Ion:104 Resp: 132990  
Ion Ratio Lower Upper  
104 100  
78 47.9 34.6 51.8  
103 56.3 44.2 66.2





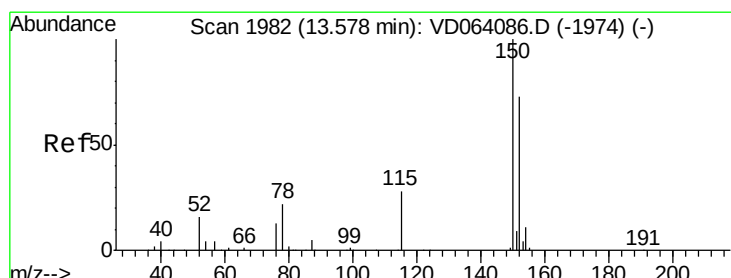
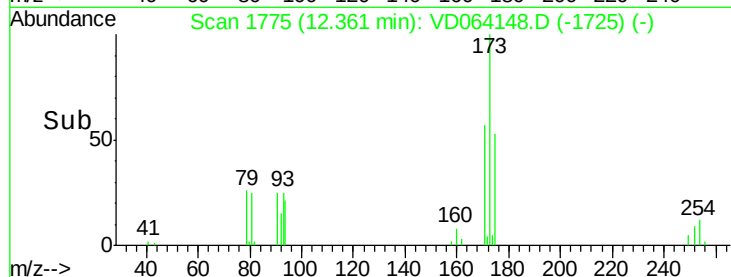
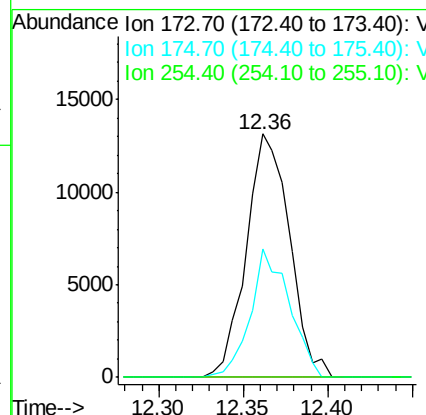
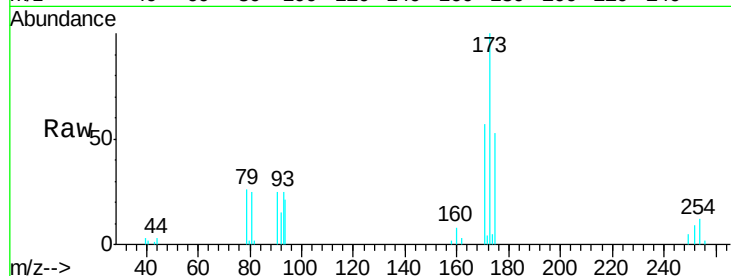
#71  
Bromoform  
Concen: 18.771 ug/l  
RT: 12.36 min Scan# 1775  
Delta R.T. -0.01 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1101SBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.4  | 24.3  | 72.9  |
| 254     | 0.0   | 0.0   | 0.0   |

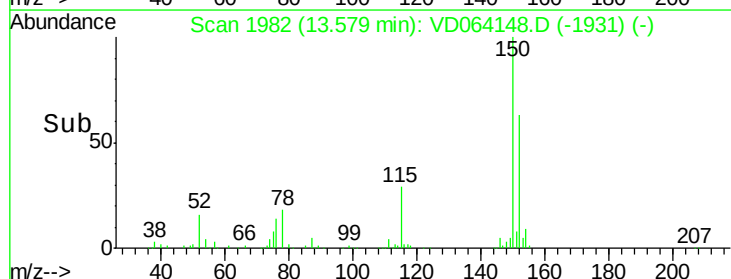
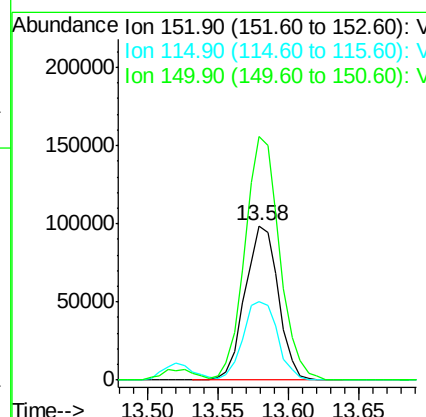
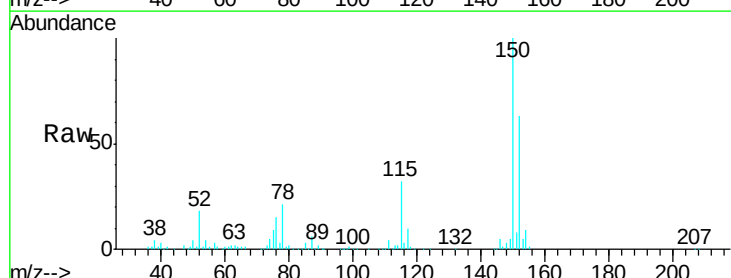
Manual Integrations  
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MMDadoda  
11/4/2019 11:50:57 AM

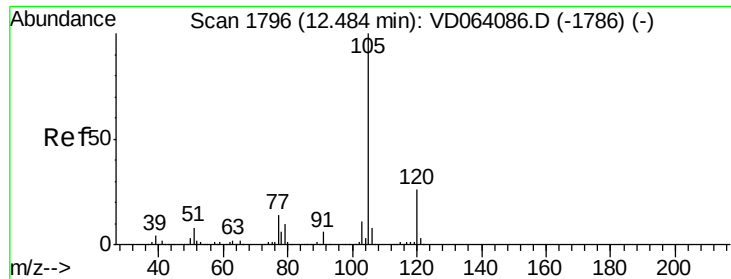


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. 0.00 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 53.0  | 26.2  | 78.6  |
| 150     | 164.6 | 0.0   | 338.8 |







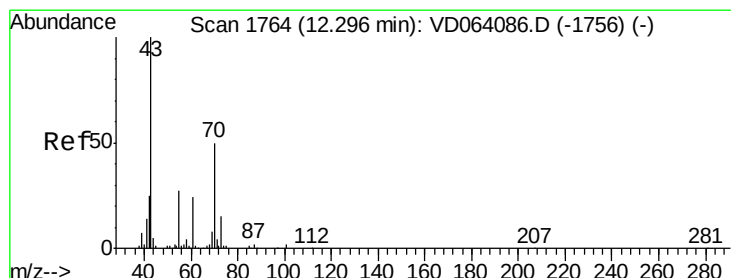
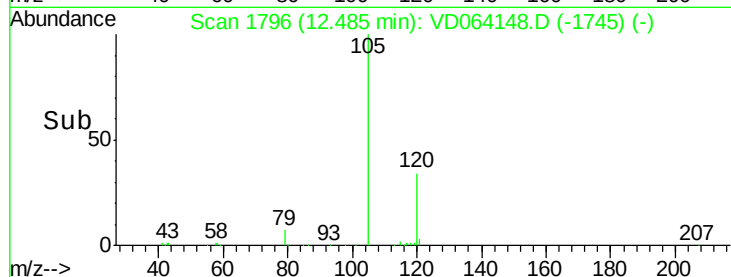
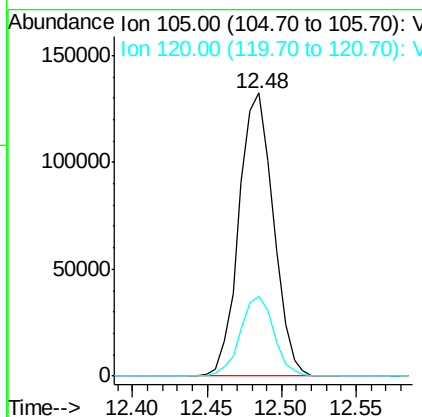
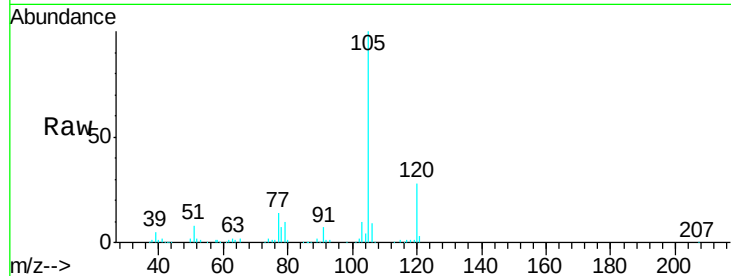
#73  
Isopropylbenzene  
Concen: 18.721 ug/l  
RT: 12.48 min Scan# 1796  
Delta R.T. 0.00 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1101SBS01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 211905 |       |       |
| 120     | 27.4  | 13.3   | 39.9  |       |

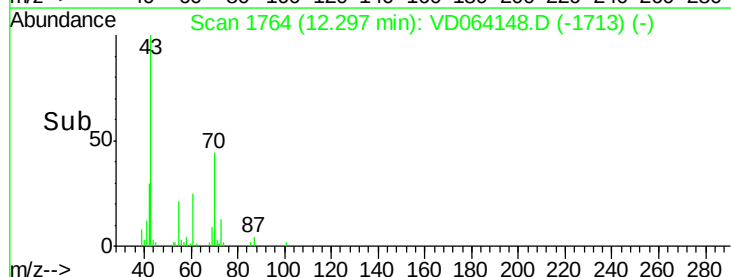
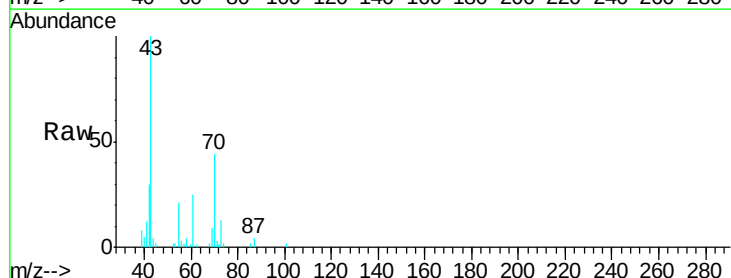
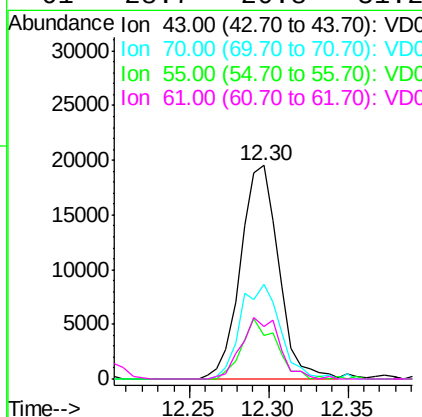
Manual Integrations  
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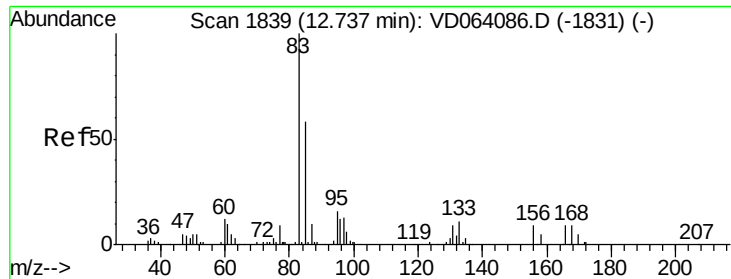
MMDadoda  
11/4/2019 11:50:57 AM



#74  
N-ethyl acetate  
Concen: 17.368 ug/l  
RT: 12.30 min Scan# 1764  
Delta R.T. 0.00 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 43      | 100   | 32660 |       |       |
| 70      | 46.6  | 38.6  | 58.0  |       |
| 55      | 25.4  | 20.4  | 30.6  |       |
| 61      | 28.7  | 20.8  | 31.2  |       |





#75

1,1,2,2-Tetrachloroethane

Concen: 18.671 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA\_D

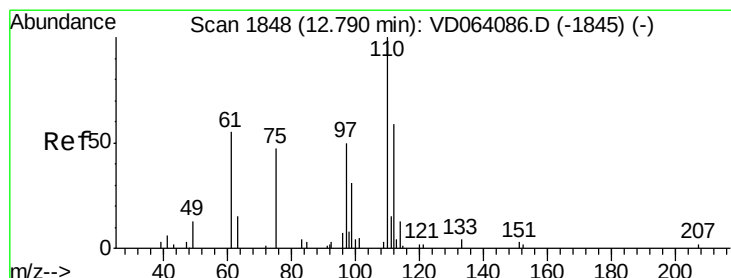
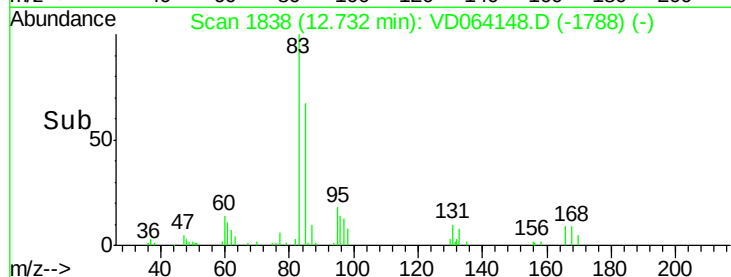
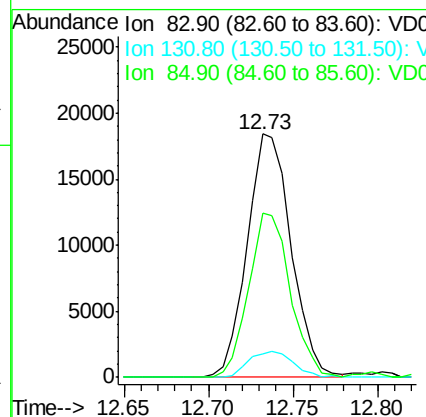
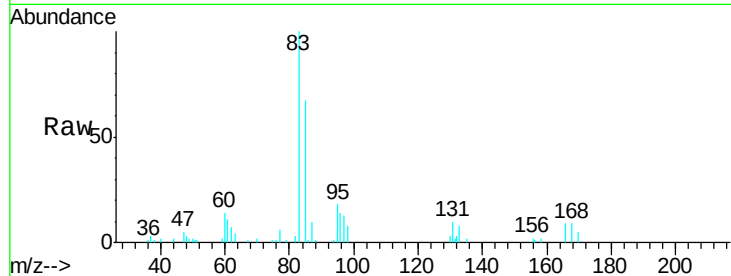
ClientSampleId :

VD1101SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 33311 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.9  | 5.7   | 17.0  |
| 85        | 63.8  | 32.1  | 96.5  |

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11/4/2019 11:50:57 AM



#76

1,2,3-Trichloropropane

Concen: 16.981 ug/l m

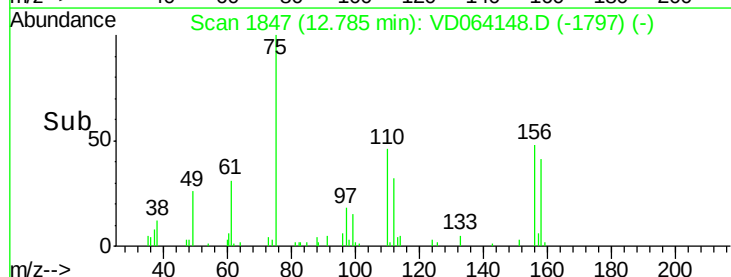
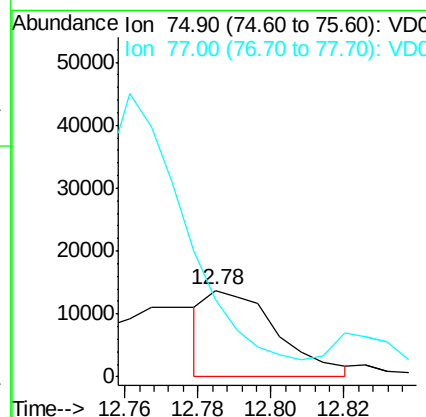
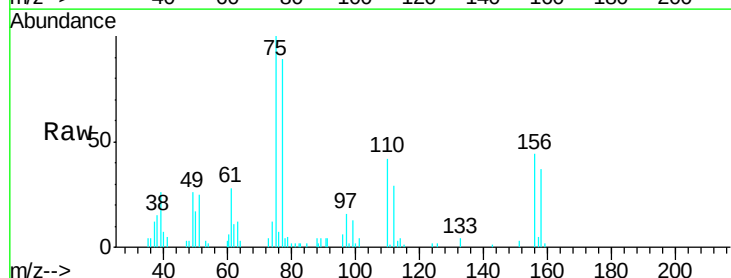
RT: 12.78 min Scan# 1847

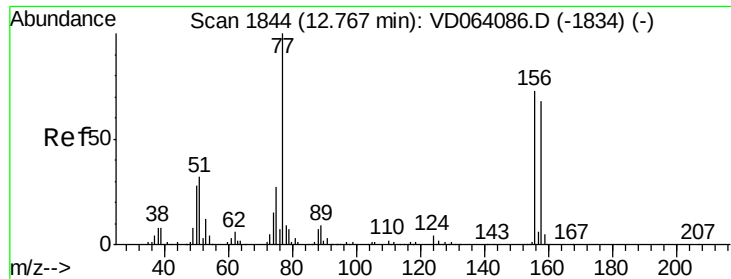
Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 18586 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 19.471 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA\_D

ClientSampleId :

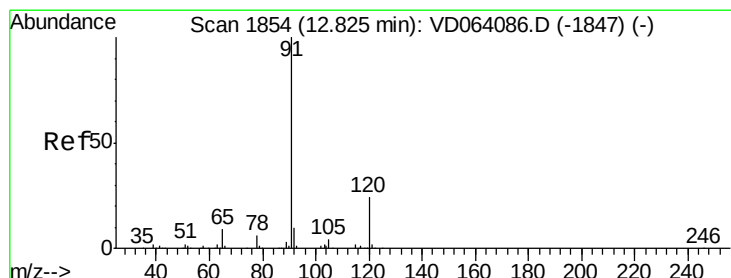
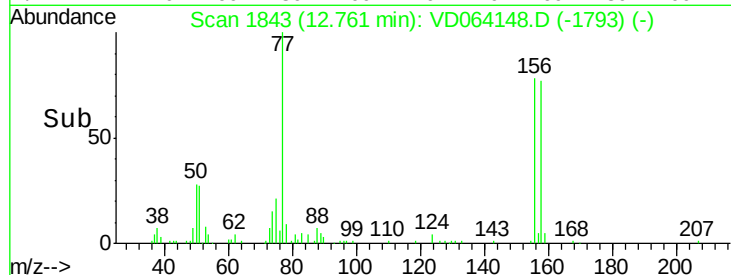
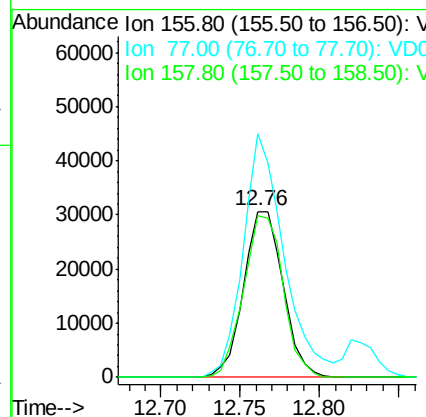
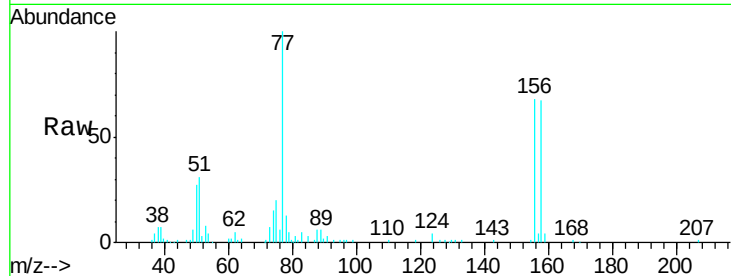
VD1101SBS01

Tgt Ion: 156 Resp: 53212

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 156 | 100   |       |       |
| 77  | 151.5 | 76.0  | 228.0 |
| 158 | 97.5  | 47.6  | 142.8 |

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#78

n-propylbenzene

Concen: 19.267 ug/l

RT: 12.83 min Scan# 1854

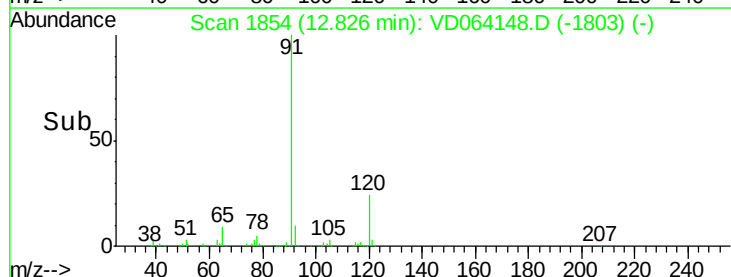
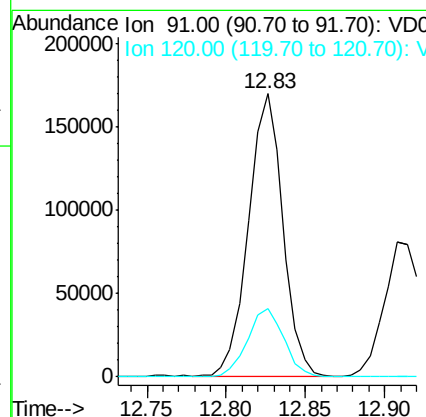
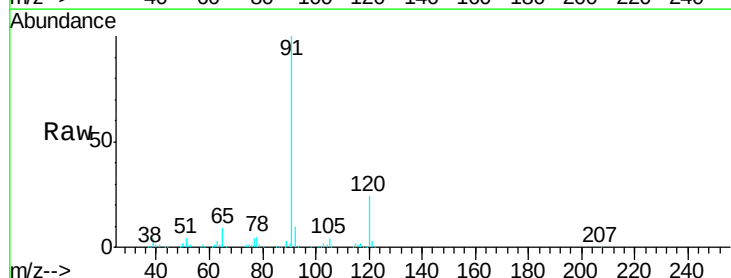
Delta R.T. 0.00 min

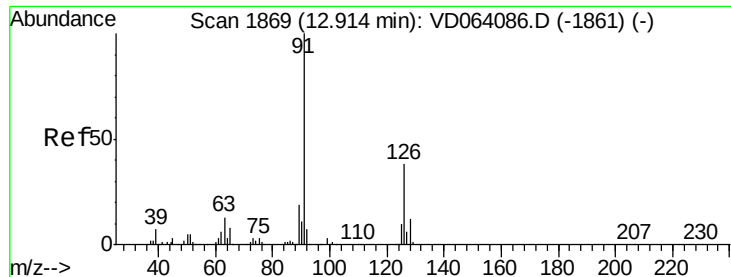
Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Tgt Ion: 91 Resp: 255575

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 120 | 25.6  | 12.1  | 36.3  |





#79

2-Chlorotoluene

Concen: 19.167 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA\_D

ClientSampleId :

VD1101SBS01

Tgt Ion: 91 Resp: 136284

Ion Ratio Lower Upper

91 100

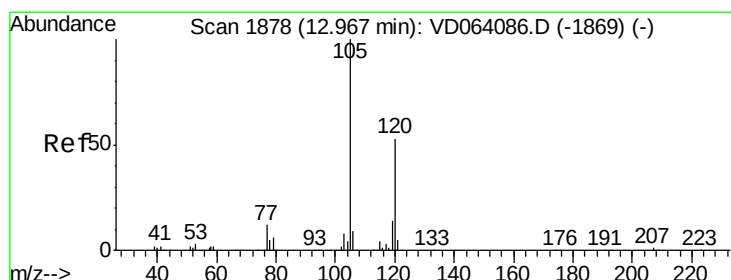
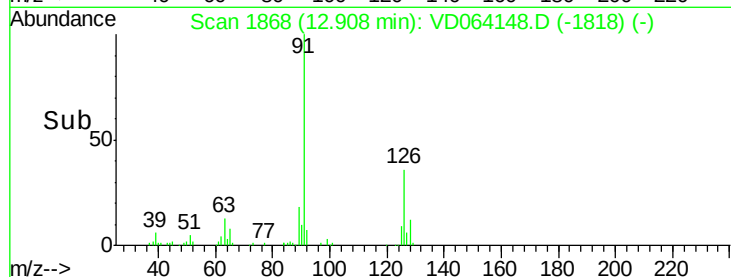
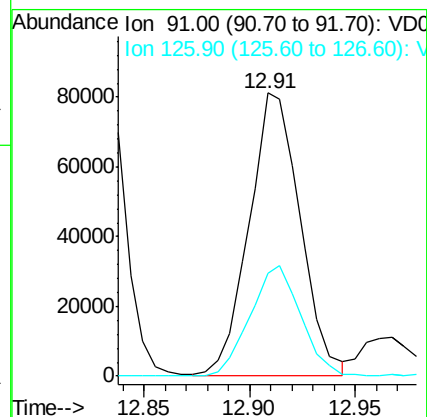
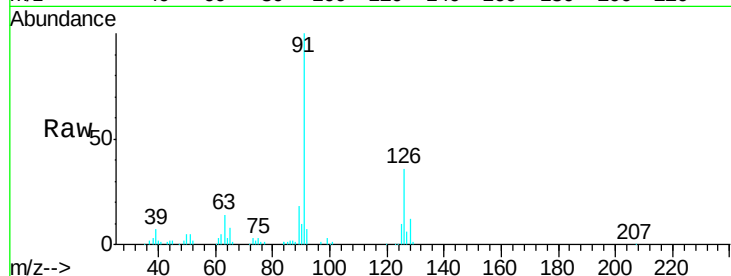
126 38.7 19.1 57.1

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#80

1,3,5-Trimethylbenzene

Concen: 19.166 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD064148.D

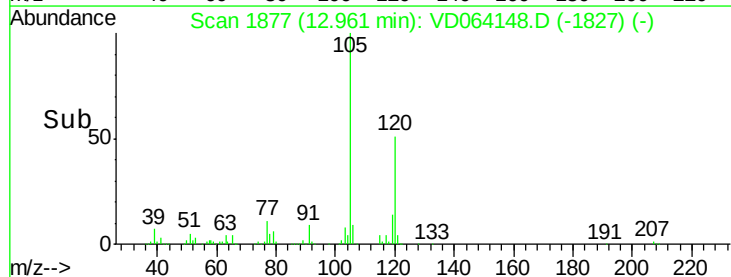
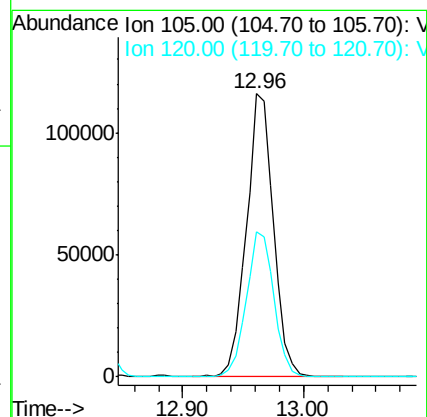
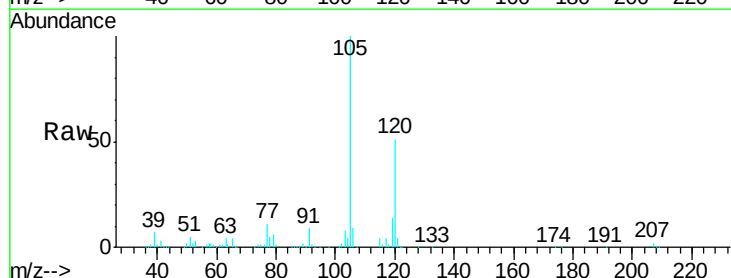
Acq: 01 Nov 2019 13:00

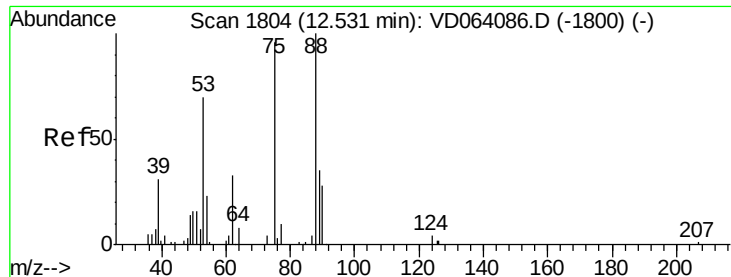
Tgt Ion: 105 Resp: 181564

Ion Ratio Lower Upper

105 100

120 51.9 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.801 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA\_D

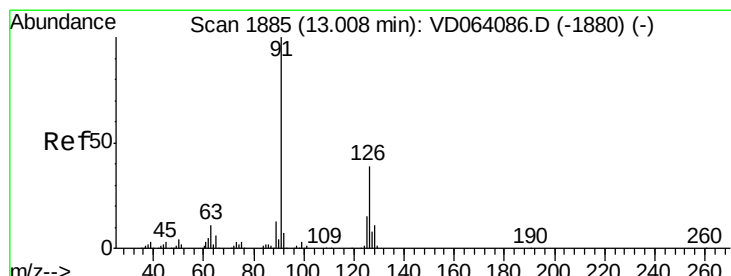
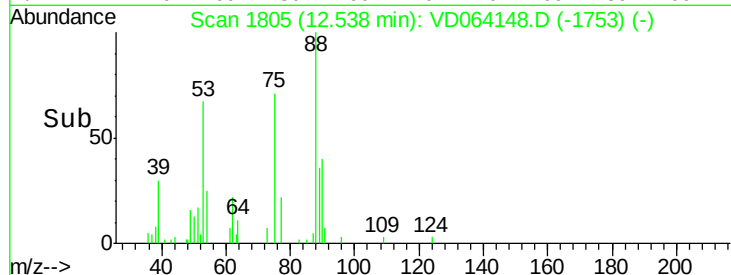
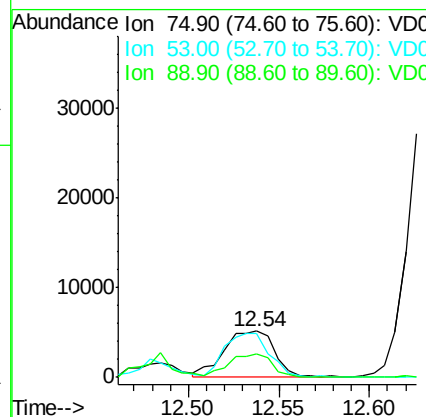
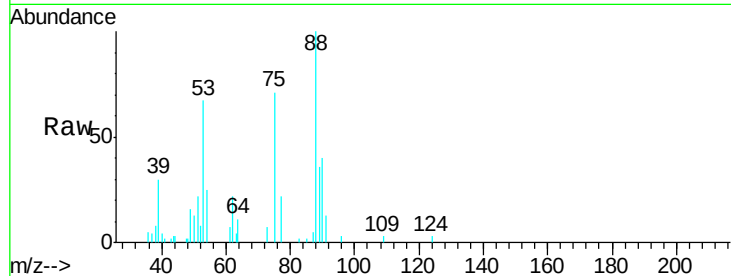
ClientSampleId :

VD1101SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 10076 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 84.9  | 68.6  | 103.0 |
| 89        | 42.6  | 36.9  | 55.3  |

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#82

4-Chlorotoluene

Concen: 19.261 ug/l

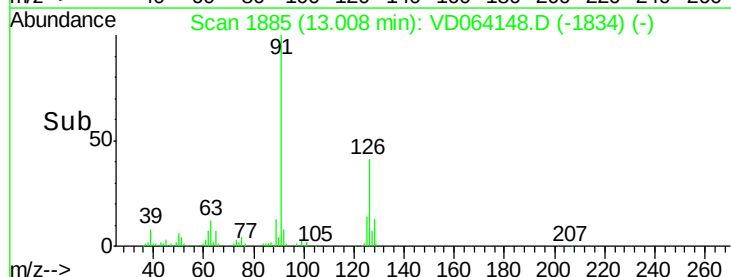
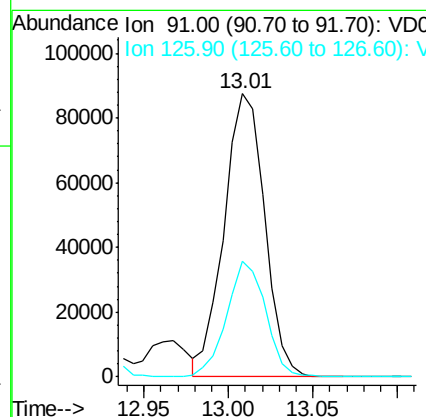
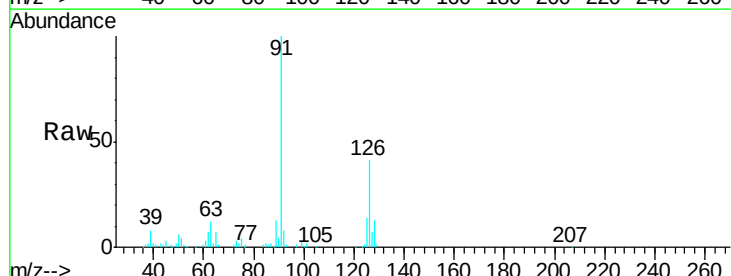
RT: 13.01 min Scan# 1885

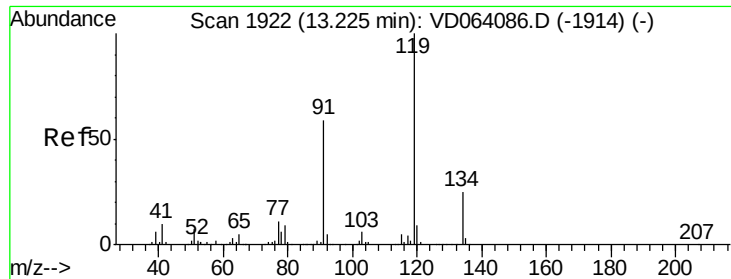
Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 146339 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 39.4  | 18.9  | 56.5   |





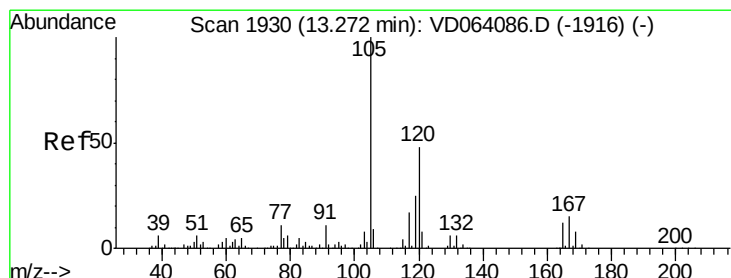
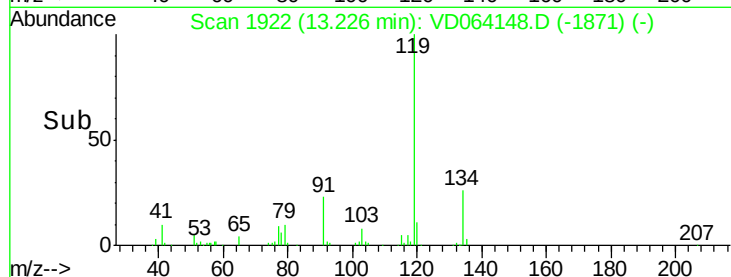
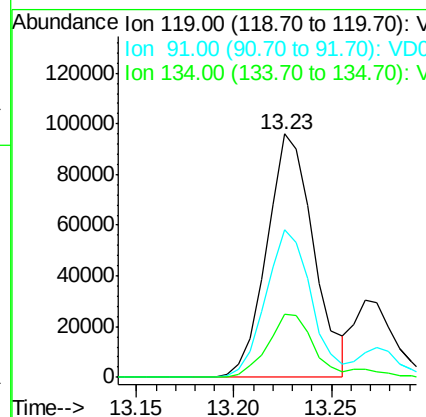
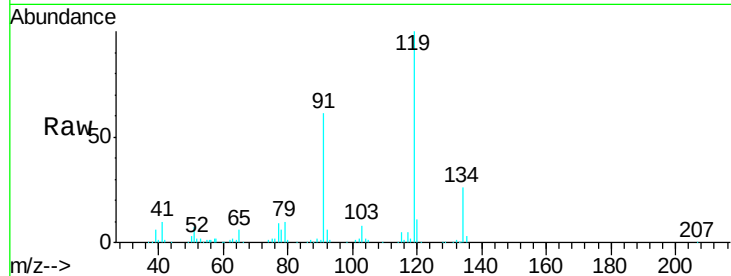
#83  
 tert-Butylbenzene  
 Concen: 18.837 ug/l  
 RT: 13.23 min Scan# 1922  
 Delta R.T. 0.00 min  
 Lab File: VD064148.D  
 Acq: 01 Nov 2019 13:00

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1101SBS01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 160273 |       |       |
| 91      | 58.7  | 28.3   | 85.0  |       |
| 134     | 27.6  | 12.9   | 38.6  |       |

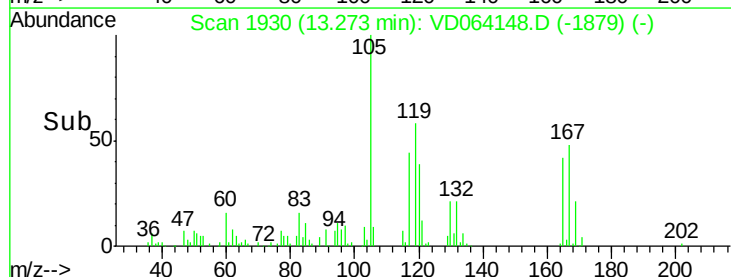
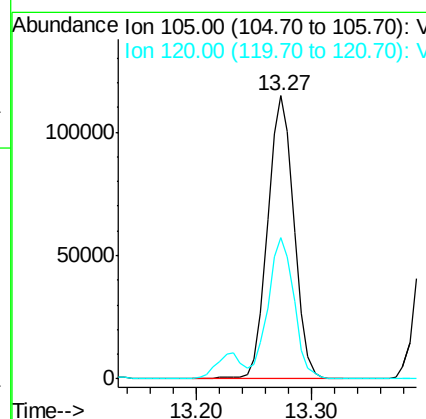
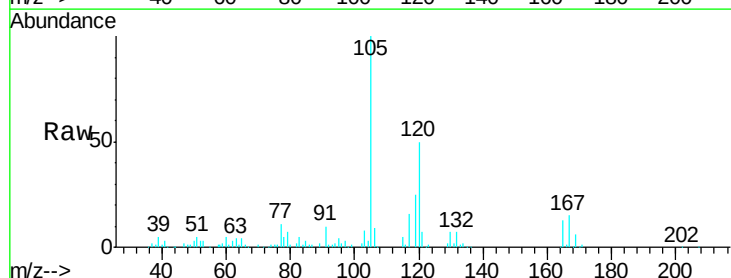
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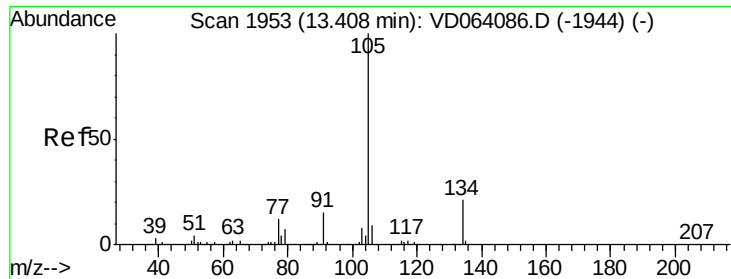
MMDadoda  
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 19.212 ug/l  
 RT: 13.27 min Scan# 1930  
 Delta R.T. 0.00 min  
 Lab File: VD064148.D  
 Acq: 01 Nov 2019 13:00

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 182824 |       |       |
| 120     | 49.4  | 24.1   | 72.4  |       |





#85

sec-Butylbenzene

Concen: 19.172 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA\_D

ClientSampleId :

VD1101SBS01

Tgt Ion:105 Resp: 224012

Ion Ratio Lower Upper

105 100

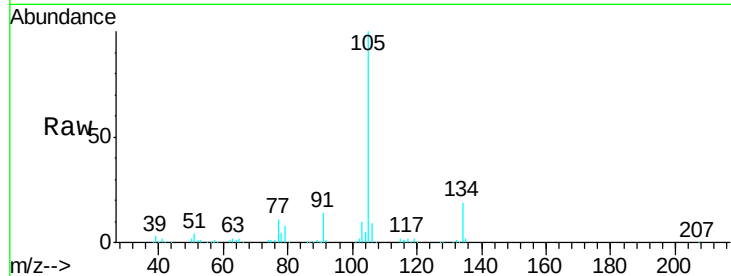
134 21.0 10.4 31.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

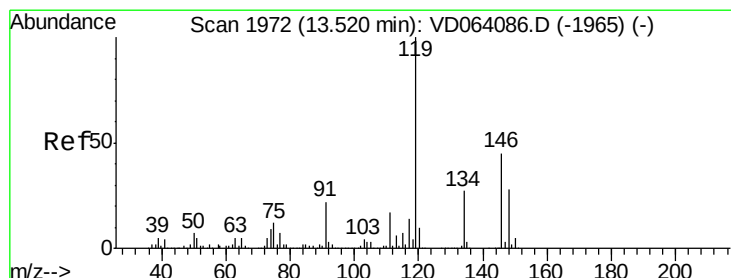
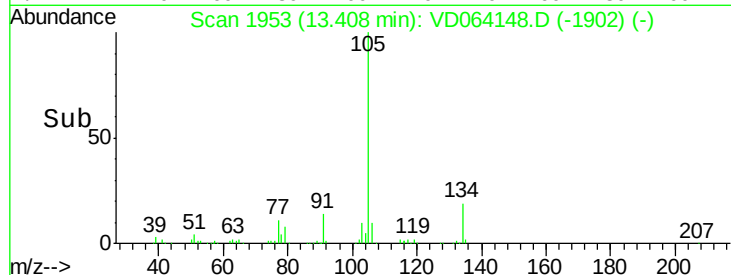
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.321 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

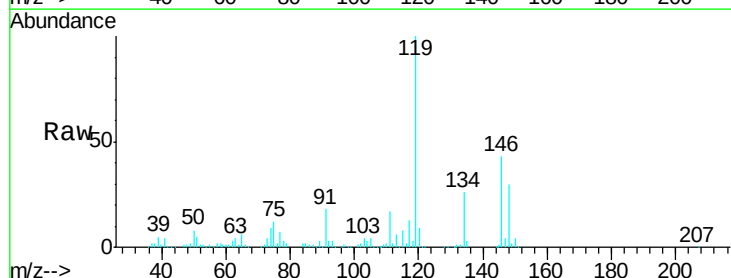
Tgt Ion:119 Resp: 212116

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

91 20.9 10.9 32.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

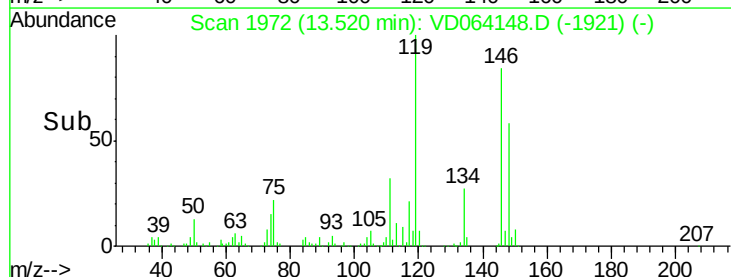
150000

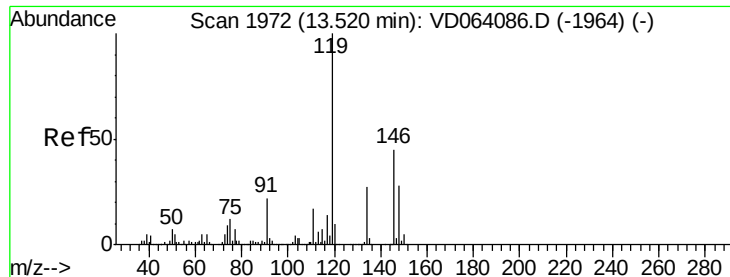
100000

50000

0

Time-->





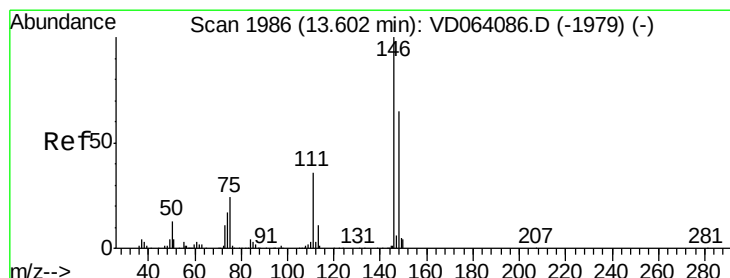
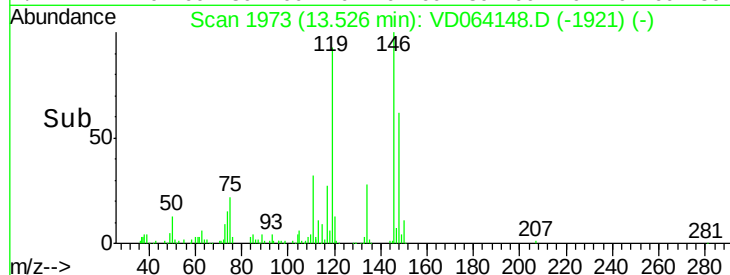
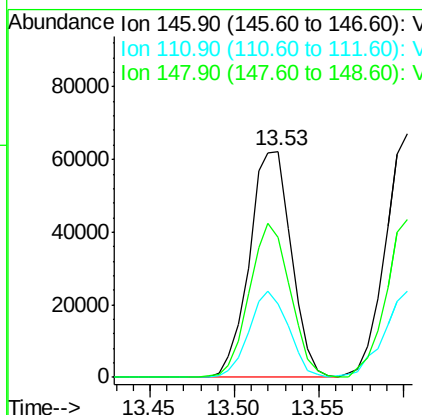
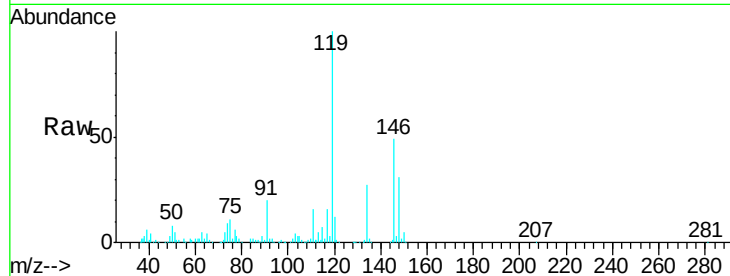
#87  
 1,3-Dichlorobenzene  
 Concen: 19.619 ug/l  
 RT: 13.53 min Scan# 1973  
 Delta R.T. 0.01 min  
 Lab File: VD064148.D  
 Acq: 01 Nov 2019 13:00

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1101SBS01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 107445 |       |       |
| 111     | 35.6  | 18.9   | 56.9  |       |
| 148     | 66.2  | 32.1   | 96.3  |       |

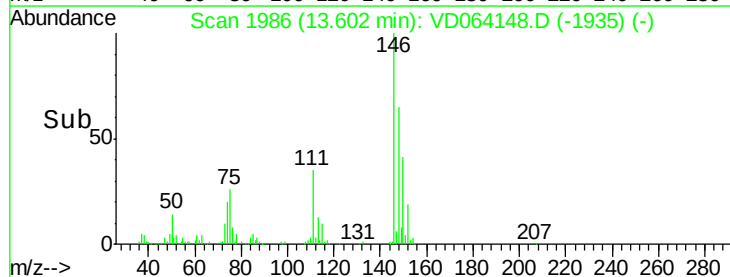
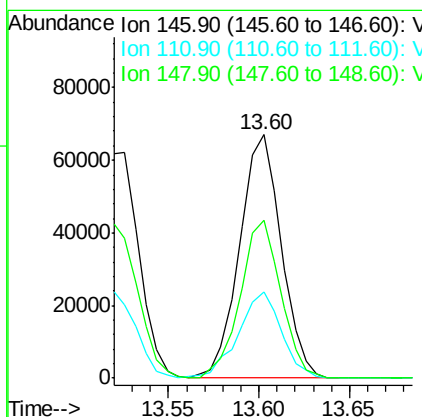
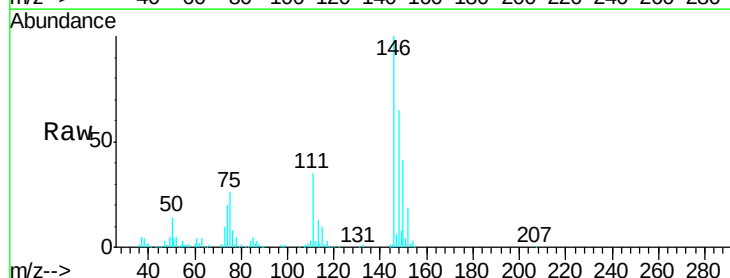
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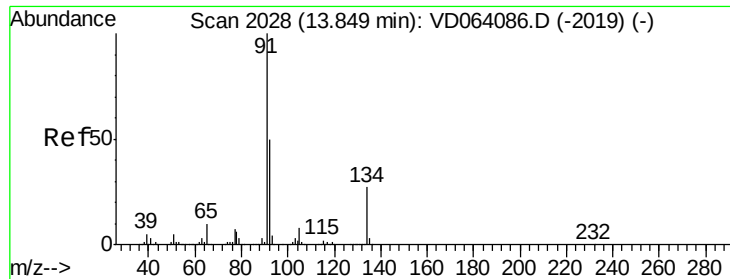


#88  
 1,4-Dichlorobenzene  
 Concen: 19.868 ug/l  
 RT: 13.60 min Scan# 1986  
 Delta R.T. 0.00 min  
 Lab File: VD064148.D  
 Acq: 01 Nov 2019 13:00

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 107265 |       |       |
| 111     | 36.6  | 18.4   | 55.4  |       |
| 148     | 63.1  | 32.4   | 97.0  |       |







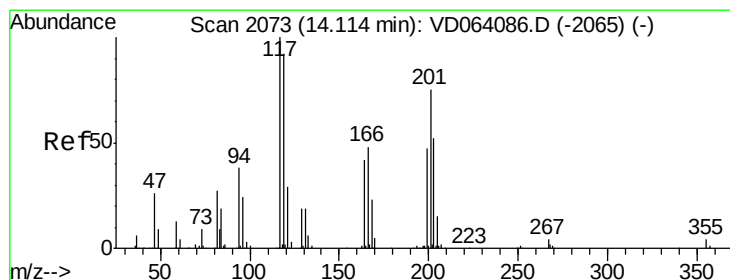
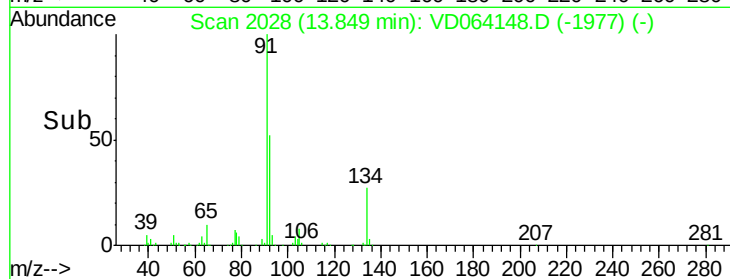
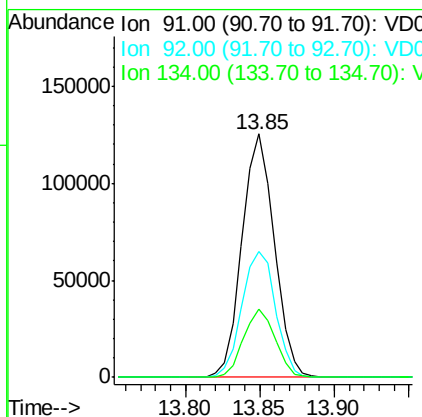
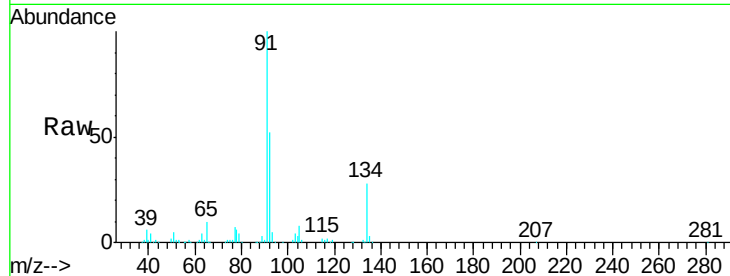
#89  
n-Butylbenzene  
Concen: 18.594 ug/l  
RT: 13.85 min Scan# 2028  
Delta R.T. 0.00 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1101SBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.6  | 25.6  | 76.6  |
| 134     | 27.5  | 14.0  | 42.0  |

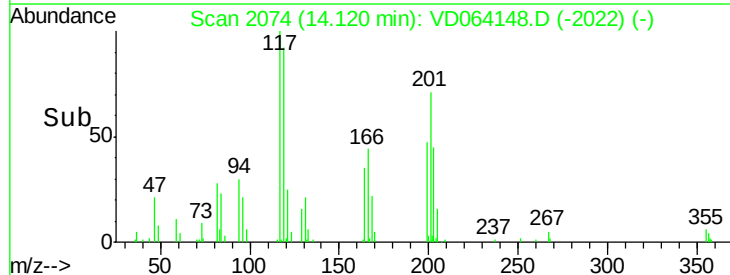
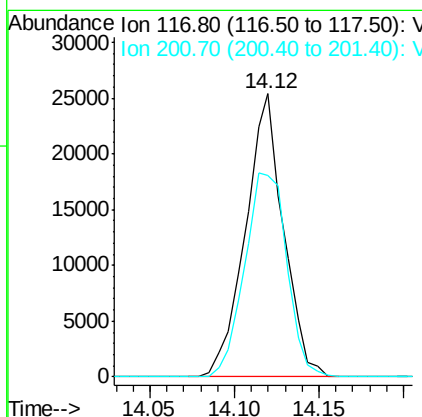
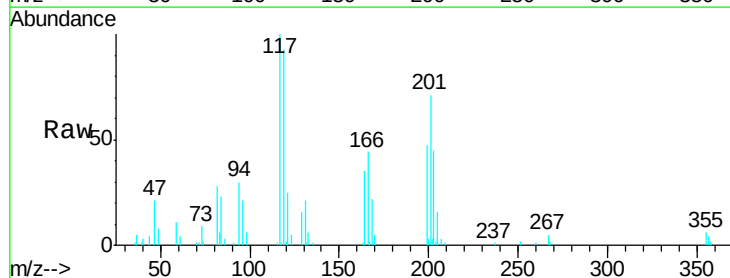
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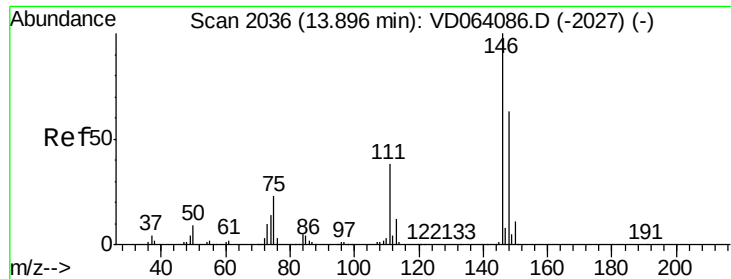
MMDadoda  
11/4/2019 11:50:57 AM



#90  
Hexachloroethane  
Concen: 19.376 ug/l  
RT: 14.12 min Scan# 2074  
Delta R.T. 0.01 min  
Lab File: VD064148.D  
Acq: 01 Nov 2019 13:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 80.0  | 38.4  | 115.2 |





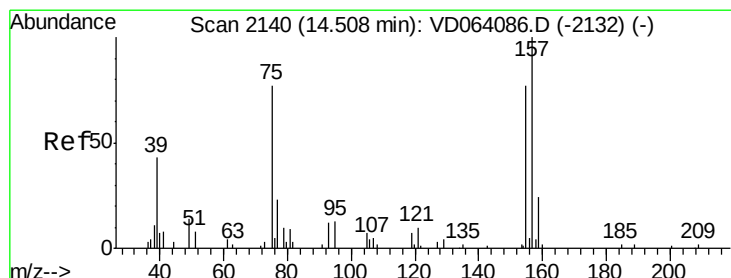
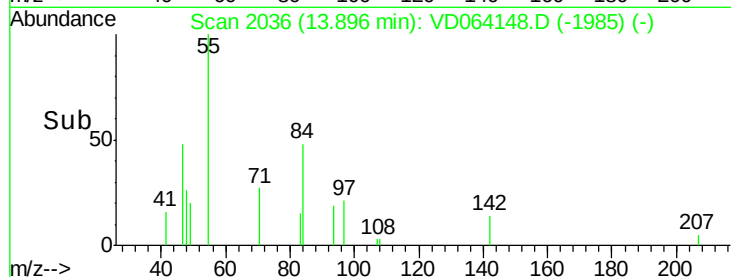
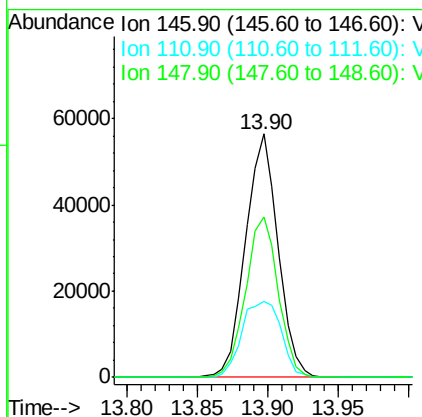
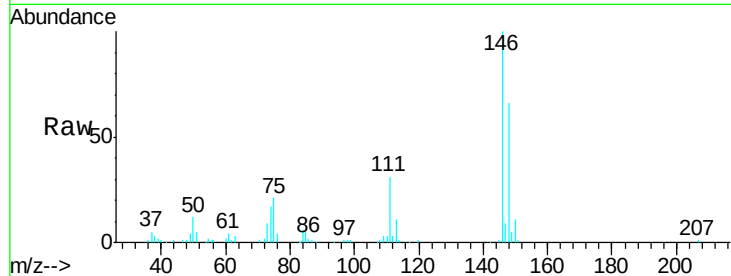
#91  
 1,2-Dichlorobenzene  
 Concen: 19.367 ug/l  
 RT: 13.90 min Scan# 2036  
 Delta R.T. 0.00 min  
 Lab File: VD064148.D  
 Acq: 01 Nov 2019 13:00

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1101SBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.9  | 19.1  | 57.1  |
| 148     | 66.1  | 32.1  | 96.5  |

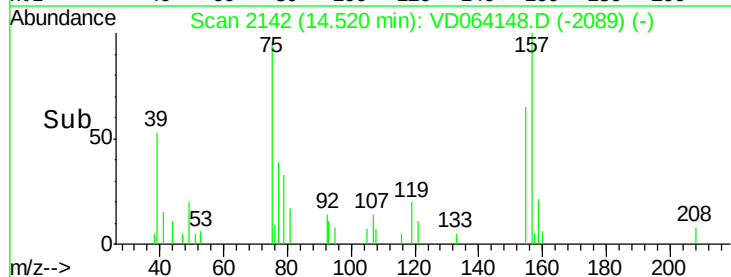
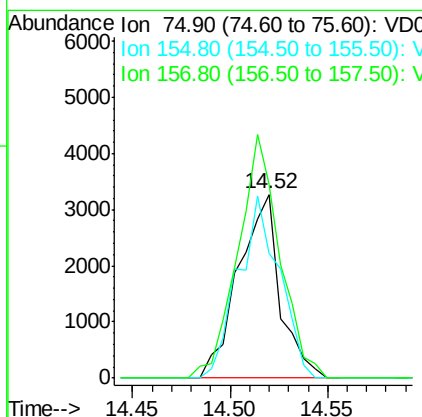
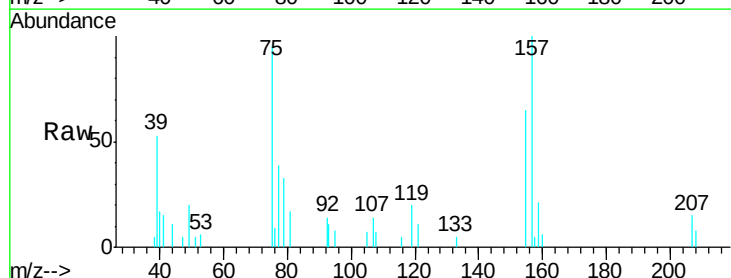
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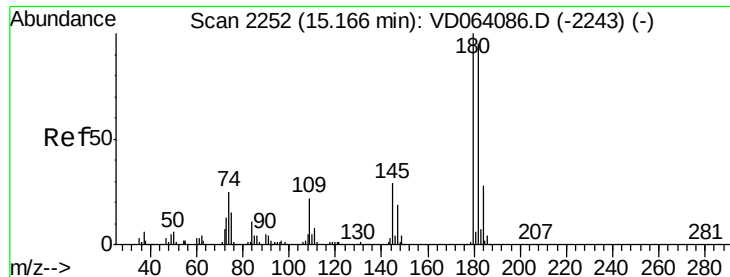
MMDadoda  
 11/4/2019 11:50:57 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.452 ug/l  
 RT: 14.52 min Scan# 2142  
 Delta R.T. 0.01 min  
 Lab File: VD064148.D  
 Acq: 01 Nov 2019 13:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 98.7  | 56.3  | 168.9 |
| 157     | 133.7 | 72.2  | 216.6 |





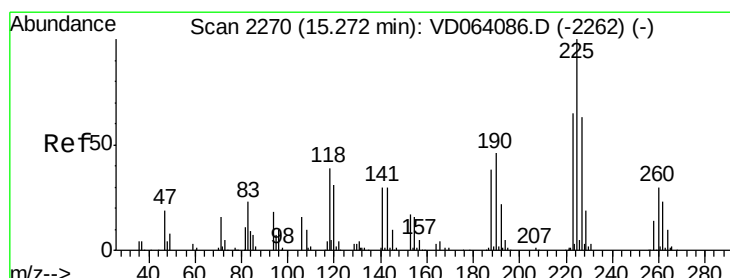
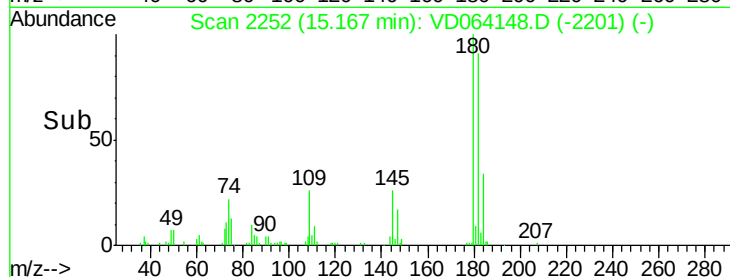
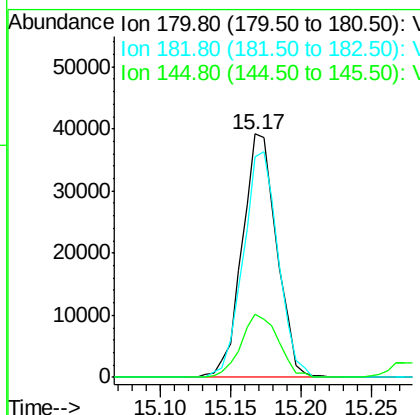
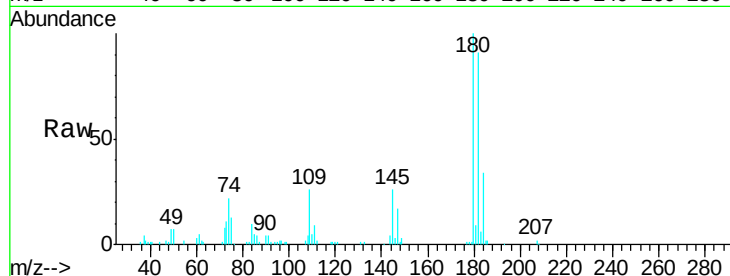
#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.842 ug/l  
 RT: 15.17 min Scan# 2252  
 Delta R.T. 0.00 min  
 Lab File: VD064148.D  
 Acq: 01 Nov 2019 13:00

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD1101SBS01

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 67223 |       |       |
| 182     | 93.4  | 46.9  | 140.7 |       |
| 145     | 28.1  | 14.2  | 42.6  |       |

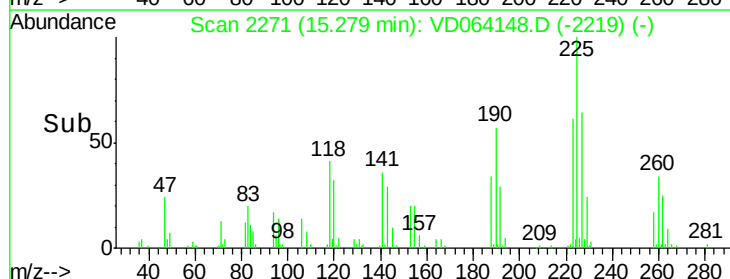
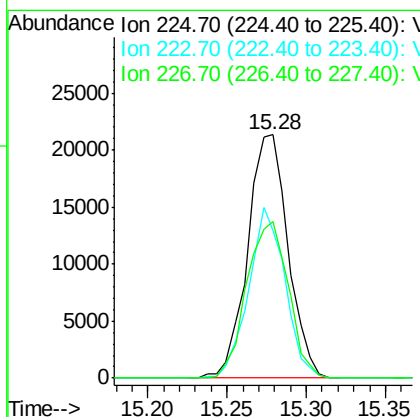
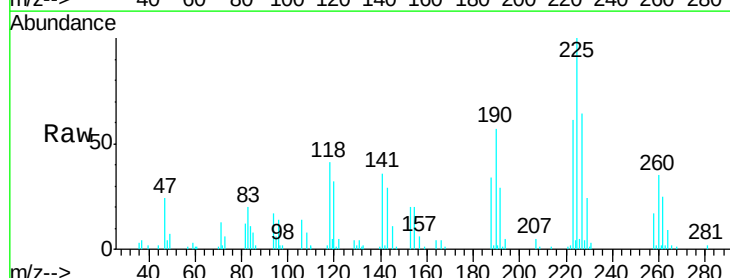
Manual Integrations  
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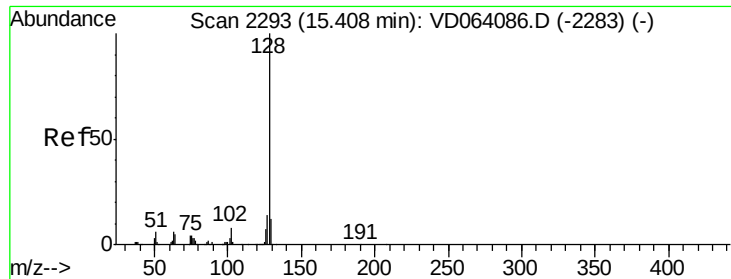
MMDadoda  
 11/4/2019 11:50:57 AM



#94  
 Hexachlorobutadiene  
 Concen: 19.116 ug/l  
 RT: 15.28 min Scan# 2271  
 Delta R.T. 0.01 min  
 Lab File: VD064148.D  
 Acq: 01 Nov 2019 13:00

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 37851 |       |       |
| 223     | 63.2  | 30.8  | 92.3  |       |
| 227     | 66.6  | 31.7  | 95.1  |       |





#95

Naphthalene

Concen: 18.126 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA\_D

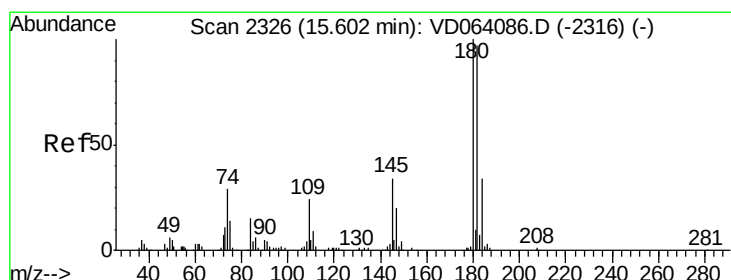
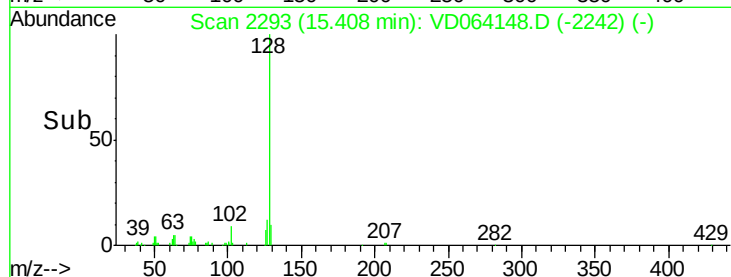
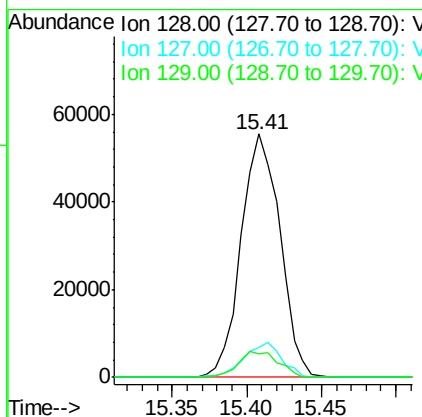
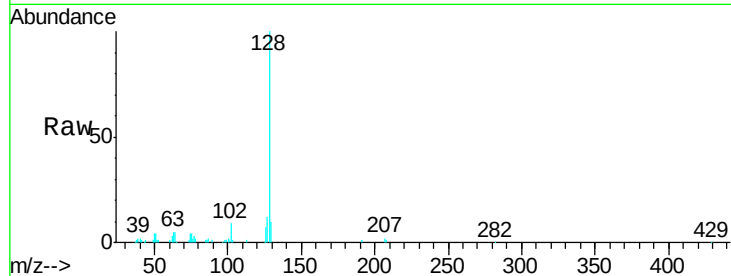
ClientSampleId :

VD1101SBS01

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 128  | Resp: | 100153 |
| Ion Ratio |      | Lower | Upper  |
| 128       | 100  |       |        |
| 127       | 13.9 | 10.9  | 16.3   |
| 129       | 11.2 | 8.8   | 13.2   |

Manual Integrations  
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11/4/2019 11:50:57 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.604 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 180  | Resp: | 57529 |
| Ion Ratio |      | Lower | Upper |
| 180       | 100  |       |       |
| 182       | 90.7 | 48.4  | 145.0 |
| 145       | 31.5 | 16.4  | 49.4  |

