

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100419\  
 Data File : VD063887.D  
 Acq On : 04 Oct 2019 15:06  
 Operator : VA/SY  
 Sample : VD1004SBSD01  
 Misc : 5.00g/5.00mL/MSVOA D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1004SBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 10/8/2019 3:11:31 PM

Quant Time: Oct 05 04:04:26 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100219S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 05 03:51:17 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 197934   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 311203   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 307793   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 161667   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.33   | 65  | 94046    | 48.80 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.60%  |      |
| 35) Dibromofluoromethane  | 7.92   | 113 | 92868    | 48.83 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.66%  |      |
| 50) Toluene-d8            | 10.34  | 98  | 386945   | 50.13 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.26% |      |
| 62) 4-Bromofluorobenzene  | 12.63  | 95  | 127607   | 47.57 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.14%  |      |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 27312  | 19.457  | ug/l   | 95     |
| 3) Chloromethane              | 2.21 | 50  | 84137  | 19.519  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.35 | 62  | 88671  | 19.545  | ug/l   | 98     |
| 5) Bromomethane               | 2.76 | 94  | 52849  | 18.120  | ug/l   | 91     |
| 6) Chloroethane               | 2.92 | 64  | 58399  | 19.464  | ug/l # | 81     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 117651 | 19.614  | ug/l   | 100    |
| 8) Diethyl Ether              | 3.71 | 74  | 19488  | 20.242  | ug/l   | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 4.09 | 101 | 33550  | 20.206  | ug/l   | 99     |
| 10) Methyl Iodide             | 4.29 | 142 | 45179  | 19.747  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 5.24 | 59  | 11756  | 82.438  | ug/l # | 87     |
| 12) 1,1-Dichloroethene        | 4.06 | 96  | 33666  | 20.295  | ug/l   | 98     |
| 13) Acrolein                  | 3.91 | 56  | 16830  | 97.786  | ug/l   | 95     |
| 14) Allyl chloride            | 4.71 | 41  | 51864  | 18.805  | ug/l   | 99     |
| 15) Acrylonitrile             | 5.43 | 53  | 42835  | 100.914 | ug/l   | 99     |
| 16) Acetone                   | 4.17 | 43  | 45462  | 90.614  | ug/l   | 96     |
| 17) Carbon Disulfide          | 4.40 | 76  | 117834 | 19.541  | ug/l # | 93     |
| 18) Methyl Acetate            | 4.72 | 43  | 19138  | 19.503  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 5.48 | 73  | 86953  | 20.242  | ug/l   | 94     |
| 20) Methylene Chloride        | 4.96 | 84  | 51291  | 21.313  | ug/l   | 95     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96  | 41333  | 20.015  | ug/l   | 95     |
| 22) Diisopropyl ether         | 6.37 | 45  | 112985 | 20.059  | ug/l   | 99     |
| 23) Vinyl Acetate             | 6.31 | 43  | 339919 | 101.445 | ug/l   | 97     |
| 24) 1,1-Dichloroethane        | 6.27 | 63  | 71108  | 20.495  | ug/l   | 96     |
| 25) 2-Butanone                | 7.22 | 43  | 57690  | 97.026  | ug/l   | 97     |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 61930  | 19.733  | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 45832  | 19.608  | ug/l   | 94     |
| 28) Bromochloromethane        | 7.55 | 49  | 22355  | 18.180  | ug/l   | 99     |
| 29) Tetrahydrofuran           | 7.57 | 42  | 34319  | 98.889  | ug/l   | 99     |
| 30) Chloroform                | 7.71 | 83  | 73217  | 19.430  | ug/l   | 89     |
| 31) Cyclohexane               | 7.98 | 56  | 64647  | 20.155  | ug/l   | 91     |
| 32) 1,1,1-Trichloroethane     | 7.90 | 97  | 65950  | 20.403  | ug/l   | 96     |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 57215  | 20.108  | ug/l   | 96     |
| 37) Ethyl Acetate             | 7.30 | 43  | 27596  | 21.949  | ug/l   | 96     |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 59508  | 20.696  | ug/l   | 97     |

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 Sample : VD1004SBS01  
 Misc : 5.00g/5.00mL/MSVOA D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD1004SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 10/8/2019 3:11:31 PM

Quant Time: Oct 05 04:04:26 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100219S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 05 03:51:17 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.35  | 83   | 68579    | 19.602  | ug/l   | 96       |
| 40) Benzene                    | 8.36  | 78   | 164829   | 20.214  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.53  | 41   | 12684    | 19.227  | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 47981    | 20.342  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.46  | 43   | 48689    | 20.404  | ug/l   | 96       |
| 44) Trichloroethene            | 9.11  | 130  | 46734    | 19.876  | ug/l   | 84       |
| 45) 1,2-Dichloropropane        | 9.38  | 63   | 40818    | 20.452  | ug/l   | 94       |
| 46) Dibromomethane             | 9.47  | 93   | 22828    | 20.084  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.67  | 83   | 58008    | 19.822  | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.46  | 41   | 23537    | 20.586  | ug/l   | 93       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 6451     | 415.784 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 125685   | 101.558 | ug/l   | 98       |
| 52) Toluene                    | 10.40 | 92   | 114140   | 20.391  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.62 | 75   | 56695    | 19.853  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 10.09 | 75   | 63983    | 19.464  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 33173    | 20.670  | ug/l   | 94       |
| 56) Ethyl methacrylate         | 10.66 | 69   | 40010    | 19.686  | ug/l   | 95       |
| 57) 1,3-Dichloropropane        | 10.94 | 76   | 54335    | 19.787  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 84781    | 97.048  | ug/l   | 97       |
| 59) 2-Hexanone                 | 10.98 | 43   | 86110    | 96.189  | ug/l   | 96       |
| 60) Dibromochloromethane       | 11.14 | 129  | 40127    | 19.205  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 33190    | 21.332  | ug/l   | 96       |
| 64) Tetrachloroethene          | 10.87 | 164  | 40139    | 19.103  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.67 | 112  | 123876   | 20.040  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 44419    | 19.502  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.74 | 91   | 219980   | 19.736  | ug/l   | 94       |
| 68) m/p-Xylenes                | 11.86 | 106  | 170757   | 39.691  | ug/l   | 98       |
| 69) o-Xylene                   | 12.18 | 106  | 83391    | 20.243  | ug/l   | 97       |
| 70) Styrene                    | 12.20 | 104  | 138105   | 19.804  | ug/l   | 96       |
| 71) Bromoform                  | 12.36 | 173  | 25472    | 20.838  | ug/l # | 96       |
| 73) Isopropylbenzene           | 12.48 | 105  | 215705   | 19.848  | ug/l   | 98       |
| 74) N-amyl acetate             | 12.29 | 43   | 48211    | 20.604  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.73 | 83   | 38112    | 20.152  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 12.78 | 75   | 28107m   | 25.958  | ug/l   |          |
| 77) Bromobenzene               | 12.76 | 156  | 53378    | 19.713  | ug/l   | 96       |
| 78) n-propylbenzene            | 12.82 | 91   | 259094   | 20.310  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 140334   | 19.951  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.96 | 105  | 188382   | 20.777  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-buten | 12.53 | 75   | 11967    | 19.557  | ug/l   | 87       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 153587   | 20.583  | ug/l   | 96       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 159470   | 19.762  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 186782   | 19.982  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.40 | 105  | 219615   | 20.153  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.51 | 119  | 203696   | 19.753  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.51 | 146  | 103960   | 19.431  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.59 | 146  | 105973   | 20.078  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.84 | 91   | 195407   | 20.358  | ug/l   | 98       |
| 90) Hexachloroethane           | 14.11 | 117  | 35982    | 19.401  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.89 | 146  | 94232    | 20.438  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51 | 75   | 6026     | 18.983  | ug/l   | 92       |

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Data File : VD063887.D  
Acq On : 04 Oct 2019 15:06  
Operator : VA/SY  
Sample : VD1004SBSD01  
Misc : 5.00µ/5.00mL/MSVOA D/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1004SBSD01

Manual Integrations  
APPROVED

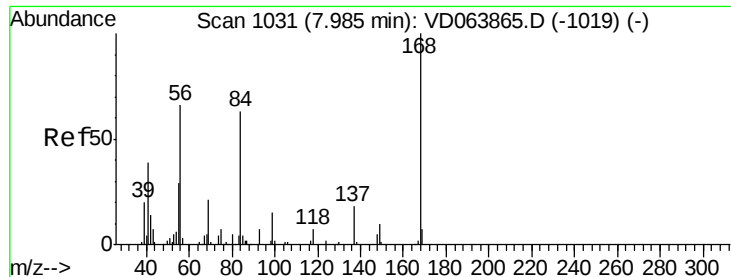
MMDadoda  
10/8/2019 3:11:31 PM

Quant Time: Oct 05 04:04:26 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100219S.M  
Quant Title : SW846 8260  
QLast Update : Sat Oct 05 03:51:17 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.16 | 180  | 70234    | 19.742 | µg/l  | 99       |
| 94) Hexachlorobutadiene    | 15.27 | 225  | 39277    | 20.007 | µg/l  | 96       |
| 95) Naphthalene            | 15.40 | 128  | 121587   | 20.334 | µg/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.60 | 180  | 61181    | 19.932 | µg/l  | 96       |

(#) = 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: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1004SBSD01

Tot Ion:168 Resp: 197934

Ion Ratio Lower Upper

168 100

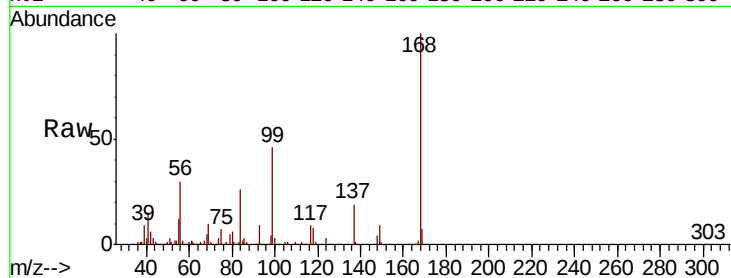
99 45.6 43.0 64.4

Manual Integrations

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10/8/2019 3:11:31 PM



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

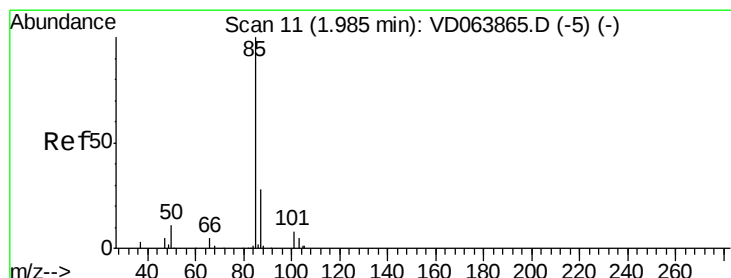
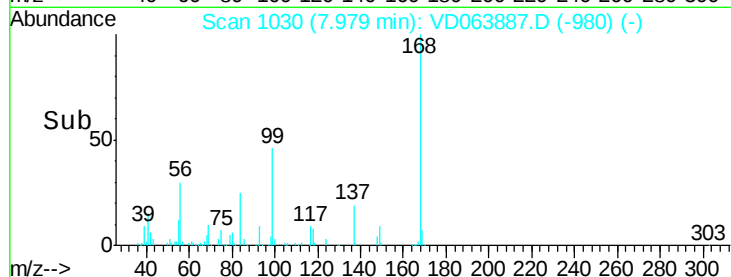
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.457 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063887.D

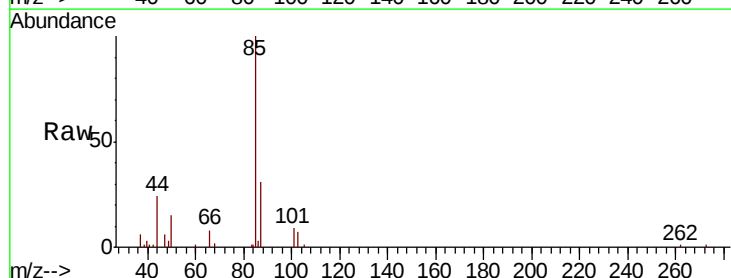
Acq: 04 Oct 2019 15:06

Tgt Ion: 85 Resp: 27312

Ion Ratio Lower Upper

85 100

87 30.9 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

20000

15000

10000

5000

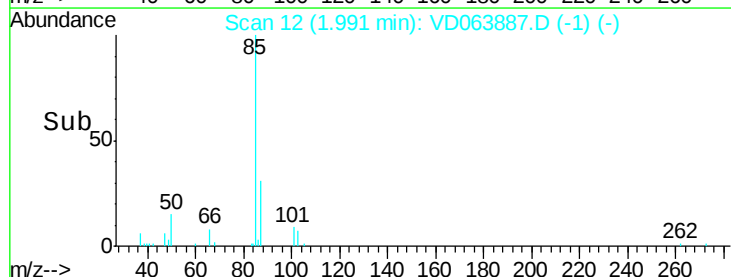
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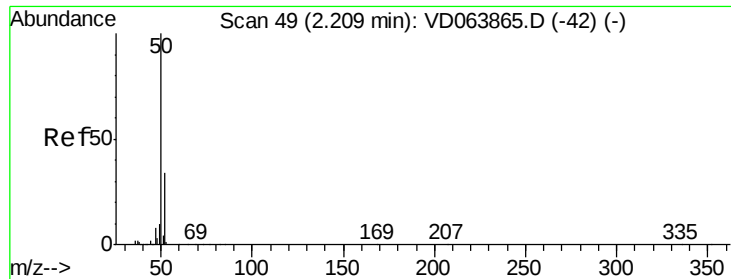
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 19.519 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1004SBS01

Tot Ion: 50 Resp: 84137

Ion Ratio Lower Upper

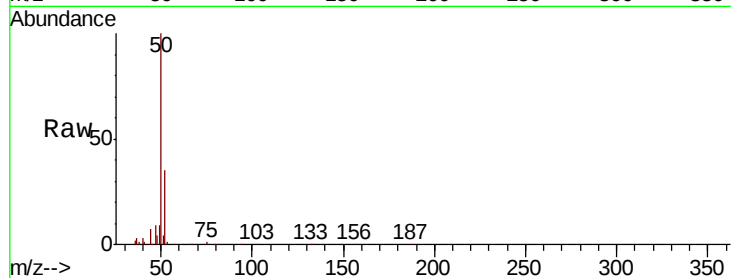
50 100

52 35.3 27.5 41.3

Manual Integrations  
APPROVED

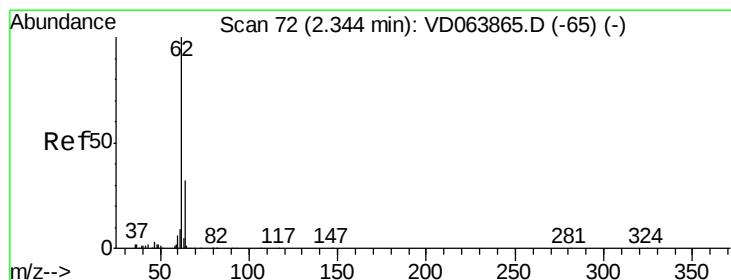
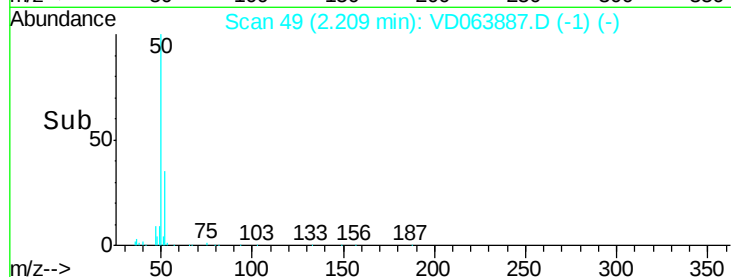
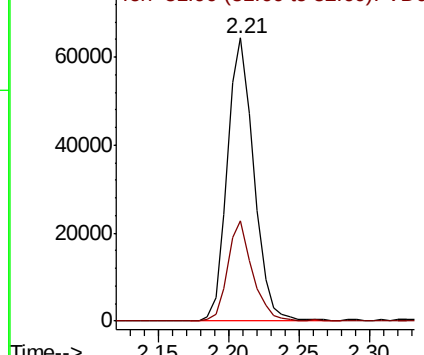
MMDadoda

10/8/2019 3:11:31 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.545 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063887.D

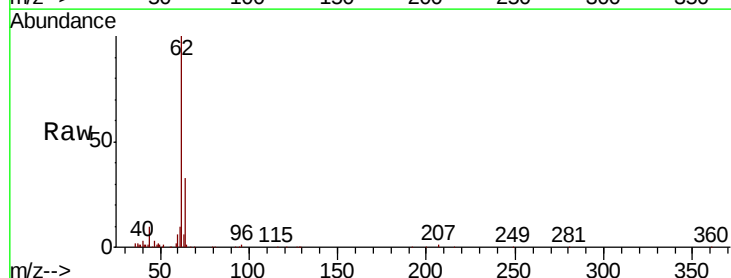
Acq: 04 Oct 2019 15:06

Tgt Ion: 62 Resp: 88671

Ion Ratio Lower Upper

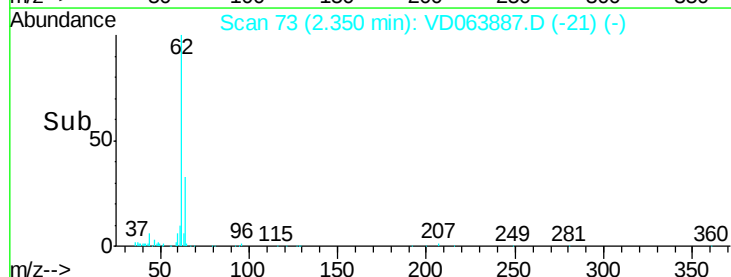
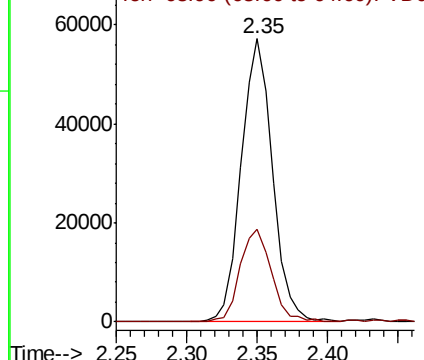
62 100

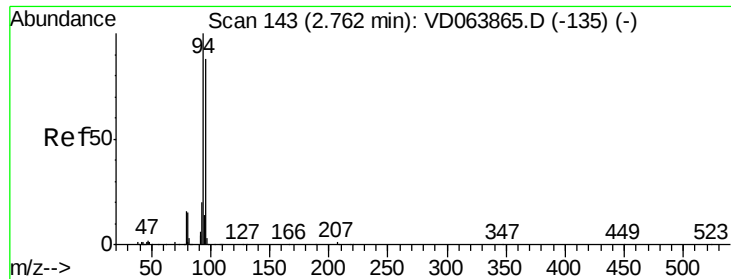
64 32.8 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 18.120 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1004SBSD01

Tot Ion: 94 Resp: 52849

Ion Ratio Lower Upper

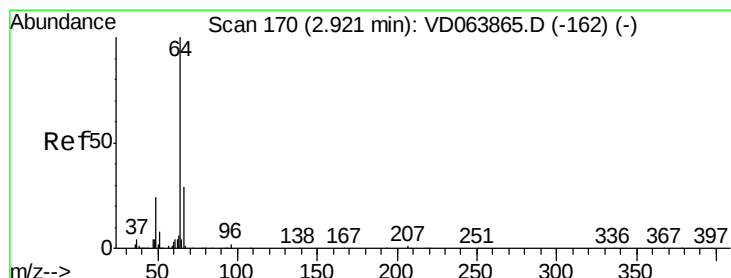
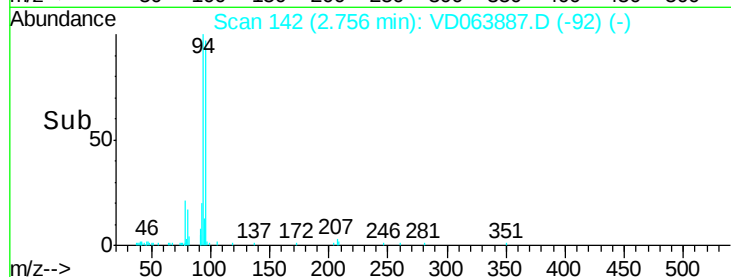
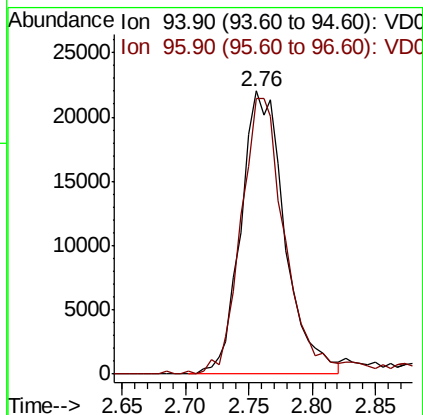
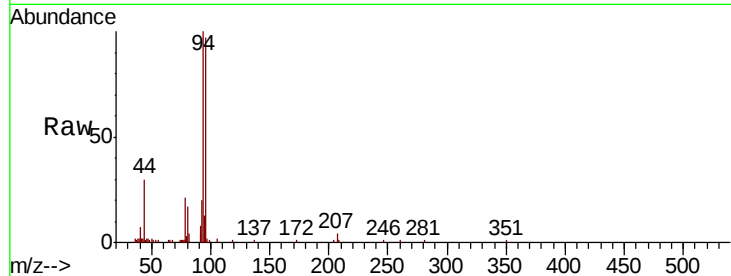
94 100

96 96.5 70.8 106.2

Manual Integrations  
APPROVED

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10/8/2019 3:11:31 PM



#6

Chloroethane

Concen: 19.464 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063887.D

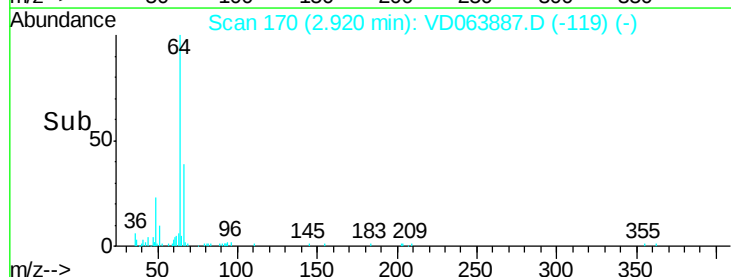
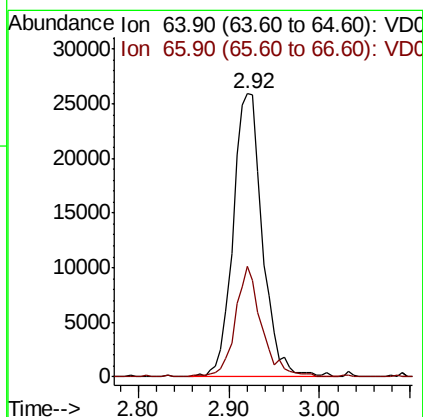
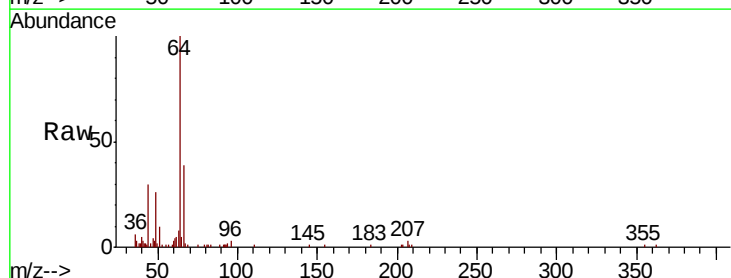
Acq: 04 Oct 2019 15:06

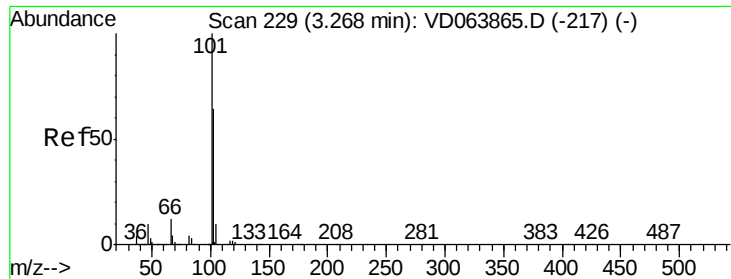
Tgt Ion: 64 Resp: 58399

Ion Ratio Lower Upper

64 100

66 38.9 23.0 34.4#





#7

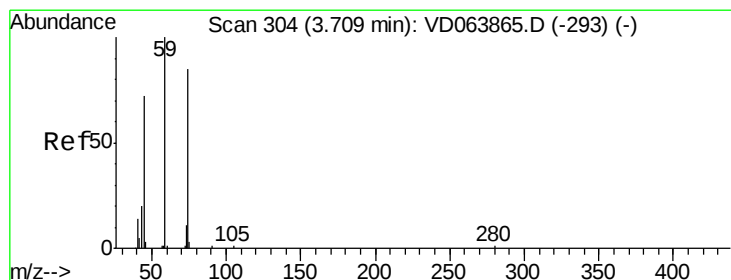
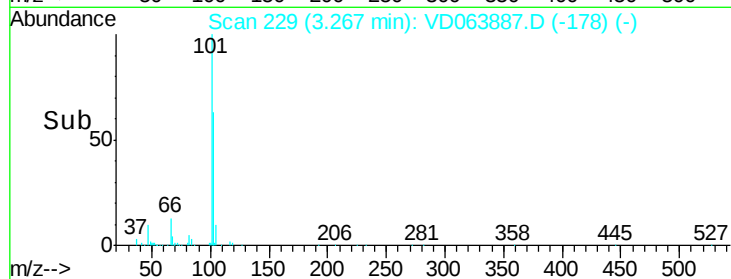
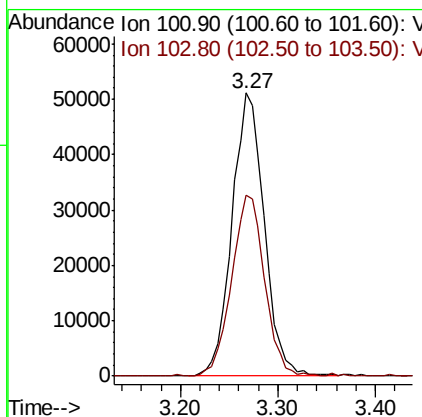
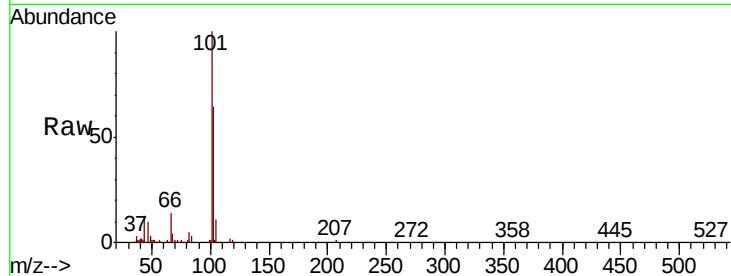
Trichlorofluoromethane  
 Concen: 19.614 ug/l  
 RT: 3.27 min Scan# 229  
 Delta R.T. -0.00 min  
 Lab File: VD063887.D  
 Acq: 04 Oct 2019 15:06

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1004SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 63.9  | 51.1  | 76.7  |

Manual Integrations  
 APPROVED

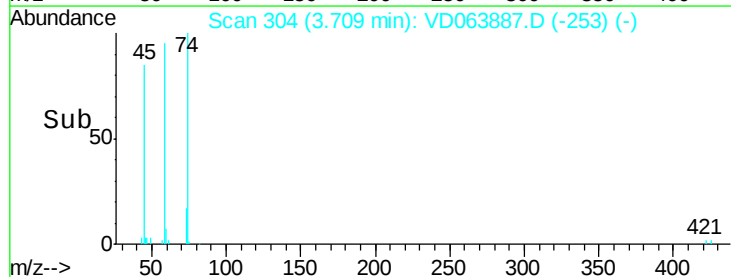
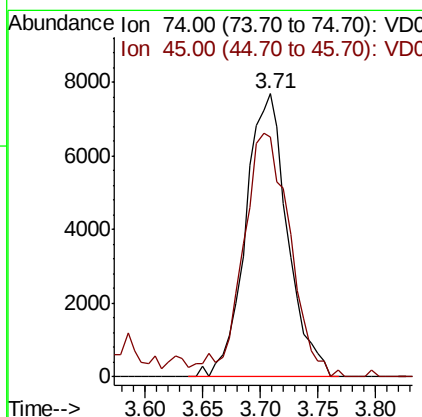
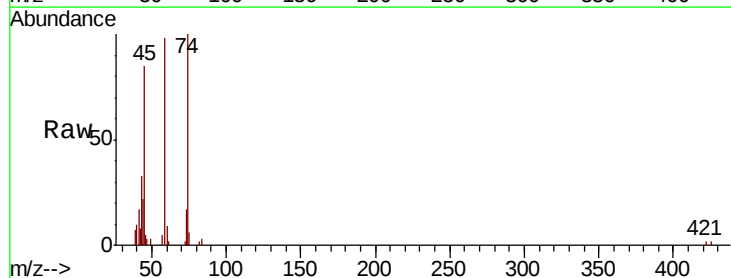
MMDadoda  
 10/8/2019 3:11:31 PM

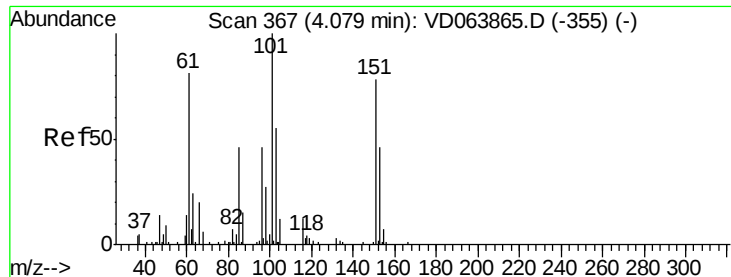


#8

Diethyl Ether  
 Concen: 20.242 ug/l  
 RT: 3.71 min Scan# 304  
 Delta R.T. -0.00 min  
 Lab File: VD063887.D  
 Acq: 04 Oct 2019 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 95.8  | 48.1  | 144.4 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.206 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA\_D

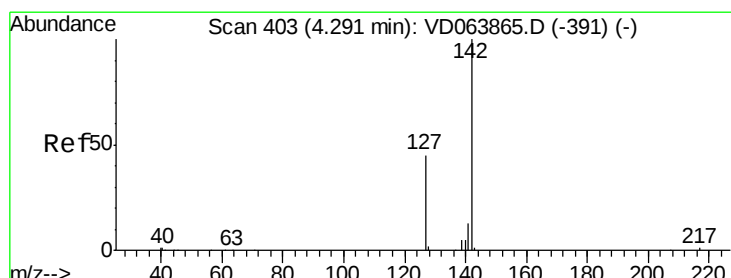
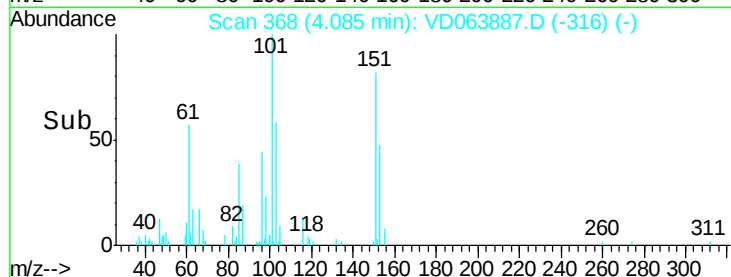
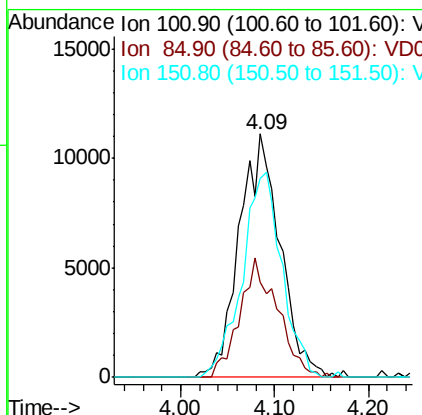
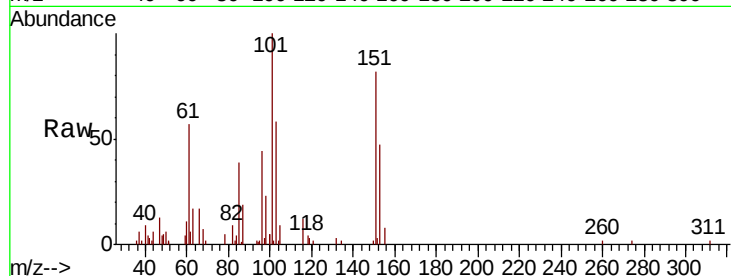
ClientSampleId :

VD1004SBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 33550 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 45.3  | 37.5  | 56.3  |
| 151       | 81.8  | 65.5  | 98.3  |

Manual Integrations  
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10/8/2019 3:11:31 PM



#10

Methyl Iodide

Concen: 19.747 ug/l

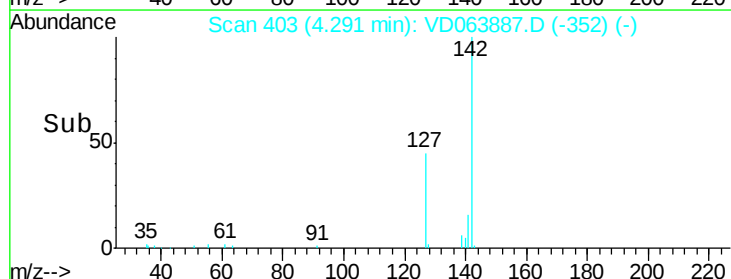
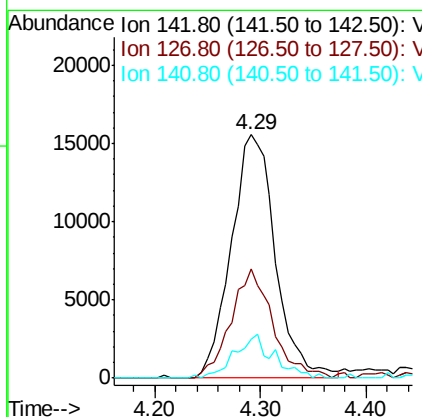
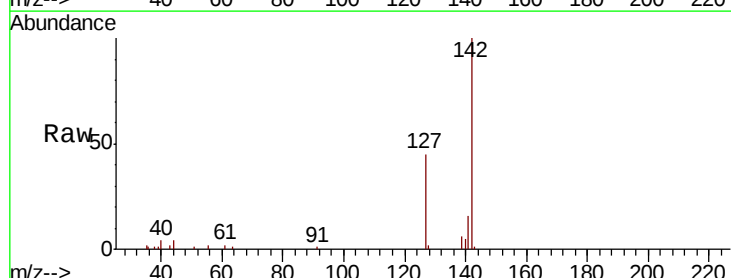
RT: 4.29 min Scan# 403

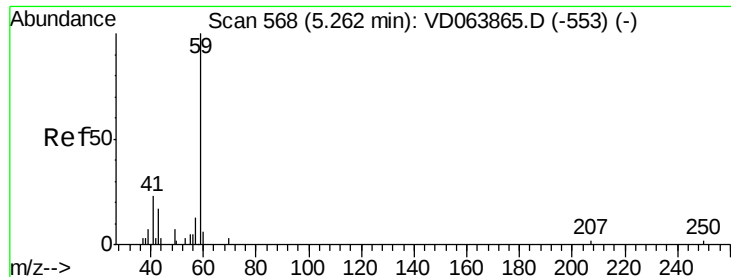
Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 45179 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 42.4  | 35.3  | 52.9  |
| 141       | 15.6  | 12.2  | 18.2  |





#11

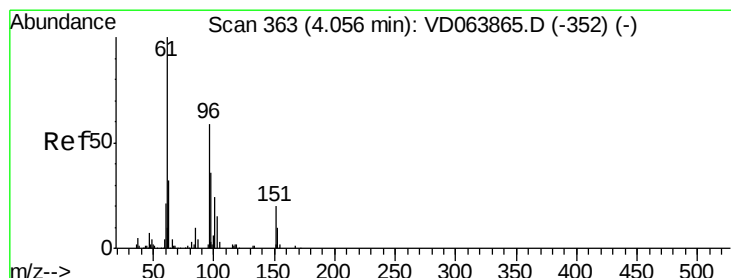
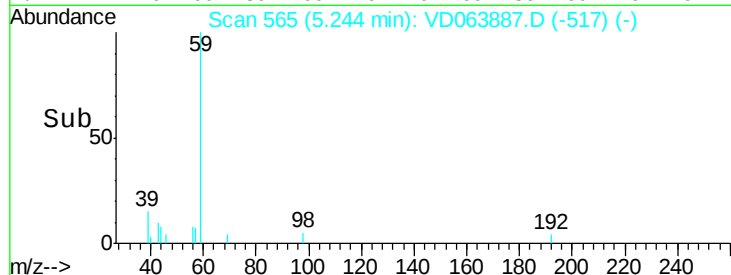
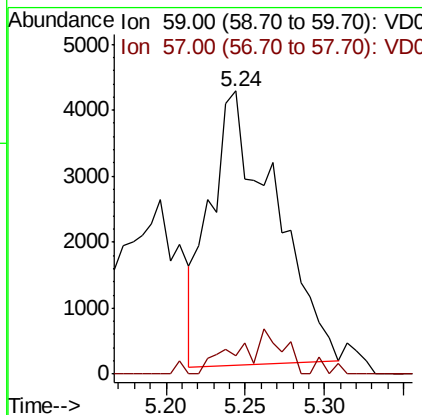
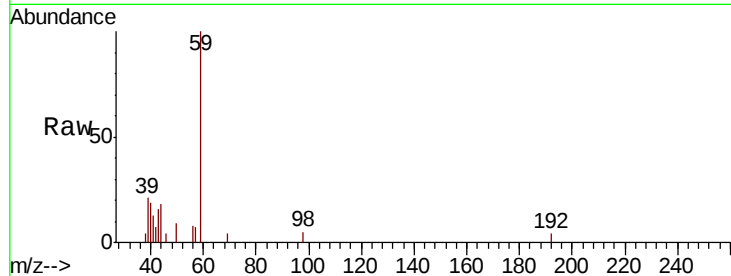
Tert butyl alcohol  
 Concen: 82.438 ug/l  
 RT: 5.24 min Scan# 565  
 Delta R.T. -0.02 min  
 Lab File: VD063887.D  
 Acq: 04 Oct 2019 15:06

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD1004SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 6.0   | 8.8   | 13.2# |

Manual Integrations  
 APPROVED

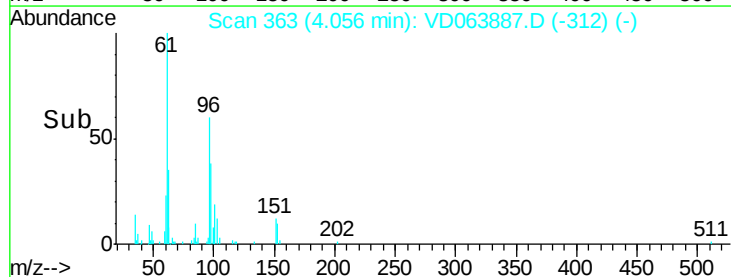
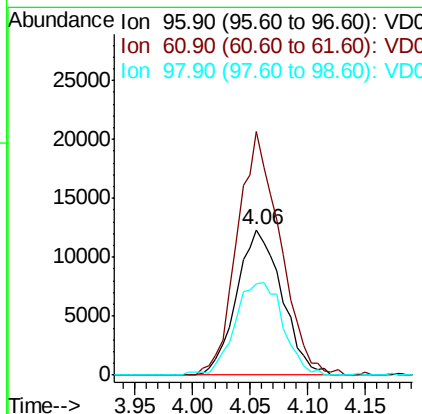
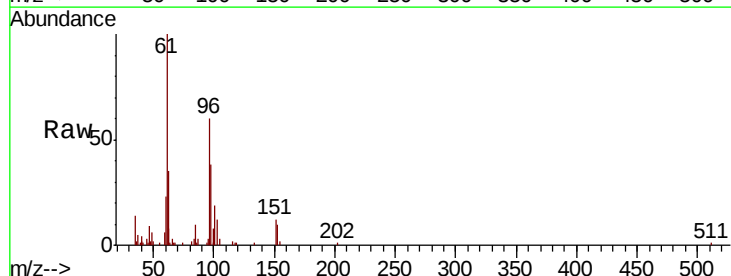
MMDadoda  
 10/8/2019 3:11:31 PM

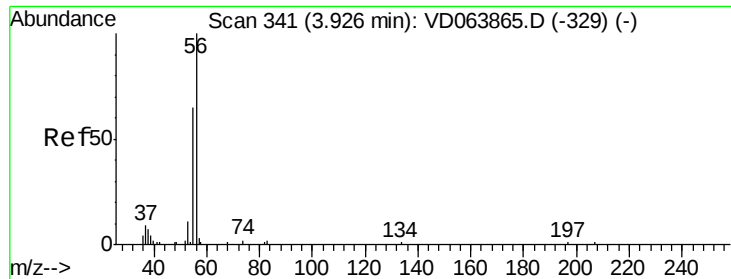


#12

1,1-Dichloroethene  
 Concen: 20.295 ug/l  
 RT: 4.06 min Scan# 363  
 Delta R.T. -0.00 min  
 Lab File: VD063887.D  
 Acq: 04 Oct 2019 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 167.1 | 135.6 | 203.4 |
| 98      | 63.1  | 49.2  | 73.8  |





#13

Acrolein

Concen: 97.786 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1004SBSD01

Tot Ion: 56 Resp: 16830

Ion Ratio Lower Upper

56 100

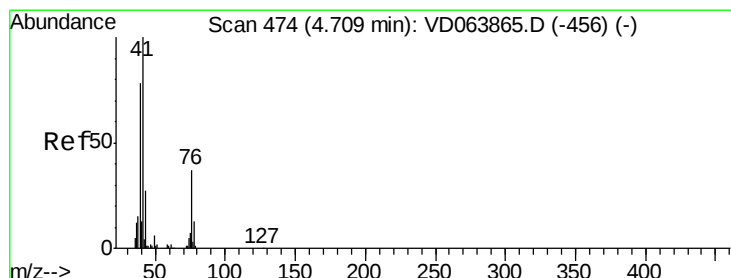
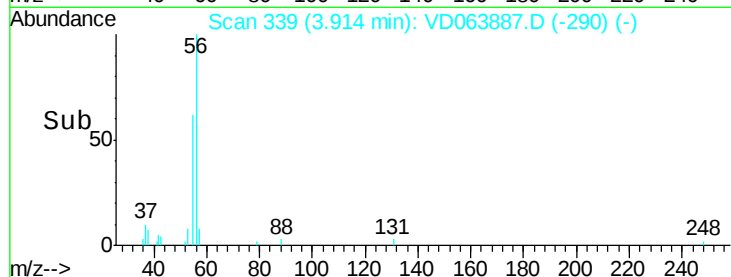
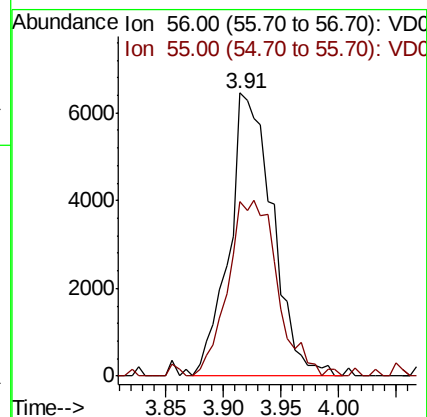
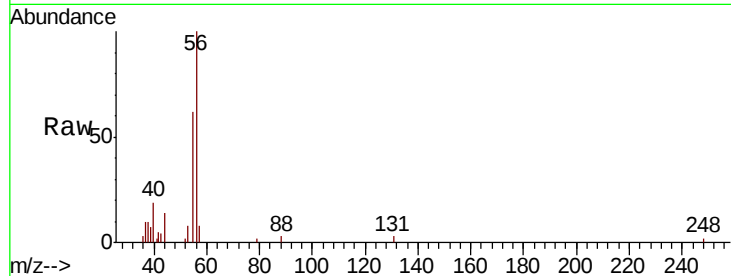
55 70.0 53.0 79.6

Manual Integrations

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MMDadoda

10/8/2019 3:11:31 PM



#14

Allyl chloride

Concen: 18.805 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

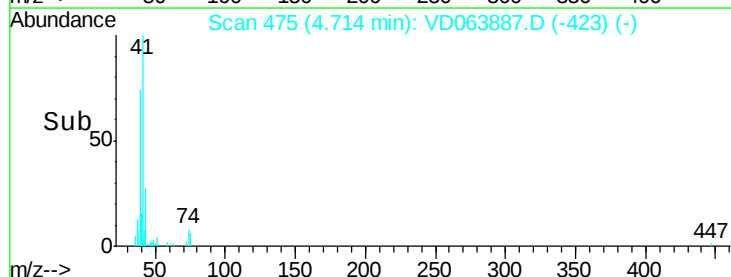
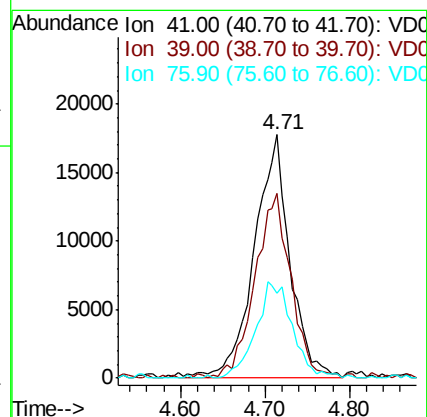
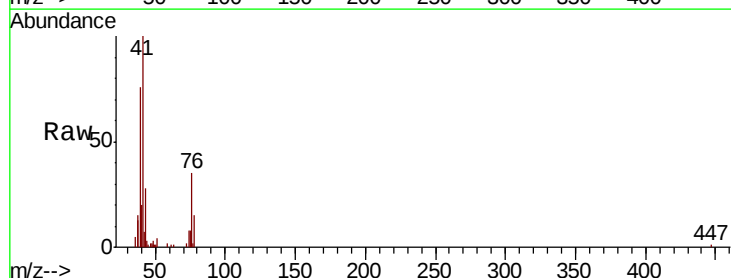
Tgt Ion: 41 Resp: 51864

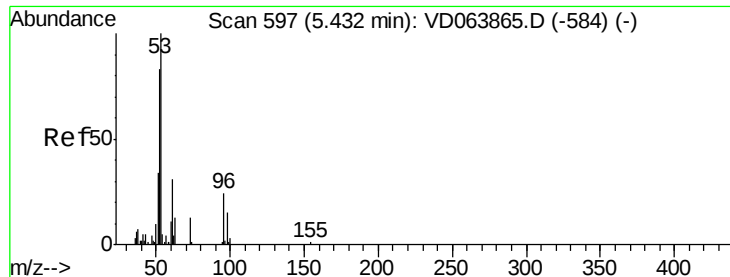
Ion Ratio Lower Upper

41 100

39 77.1 61.8 92.6

76 40.8 31.3 46.9





#15

Acrylonitrile

Concen: 100.914 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA\_D

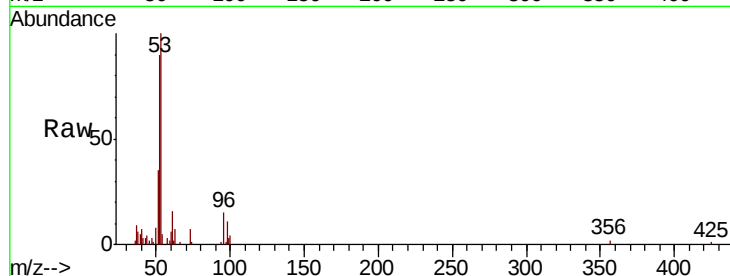
ClientSampleId :

VD1004SBSD01

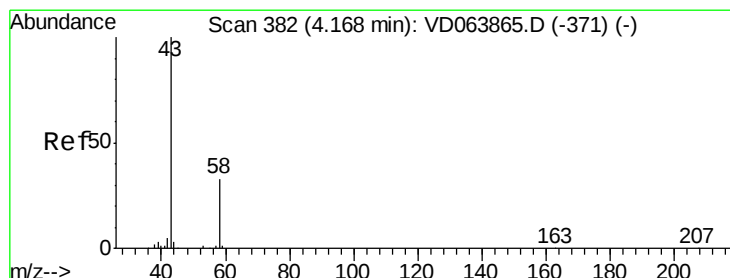
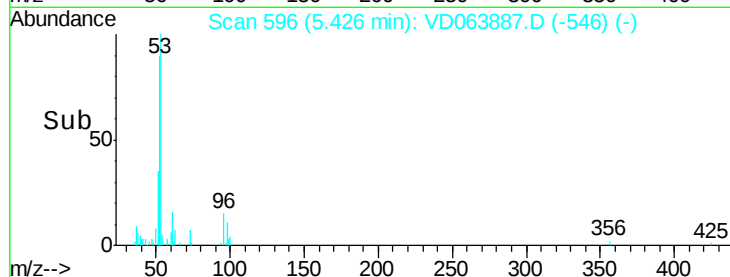
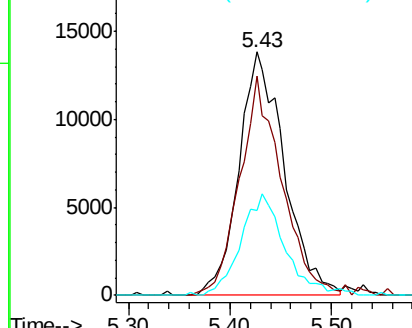
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 53    | Resp: | 42835 |
| Ion Ratio | Lower | Upper |       |
| 53        | 100   |       |       |
| 52        | 83.6  | 67.3  | 100.9 |
| 51        | 39.9  | 30.5  | 45.7  |

Manual Integrations  
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Abundance Ion 53.00 (52.70 to 53.70): VDC  
Ion 52.00 (51.70 to 52.70): VDC  
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 90.614 ug/l

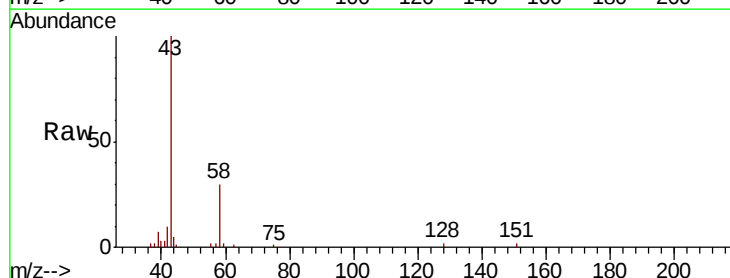
RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

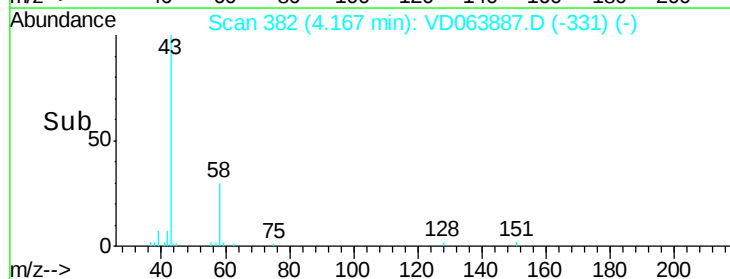
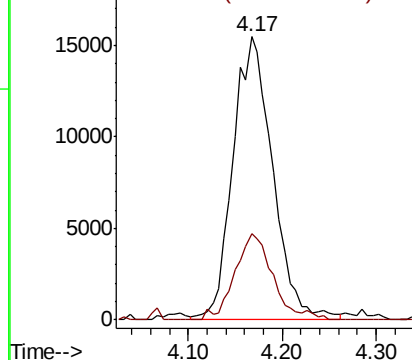
Lab File: VD063887.D

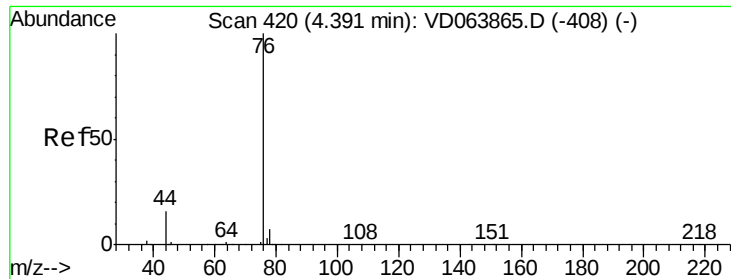
Acq: 04 Oct 2019 15:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 45462 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 30.7  | 26.2  | 39.4  |



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





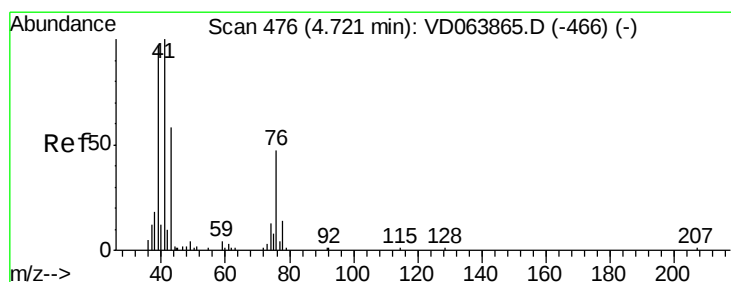
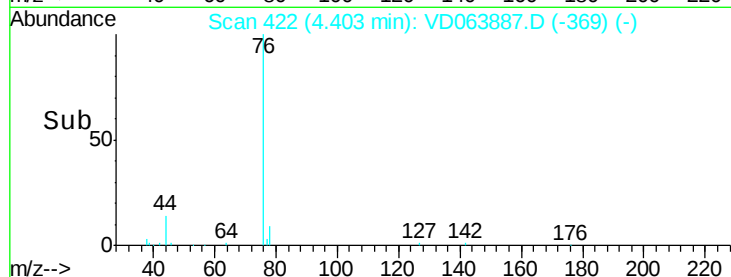
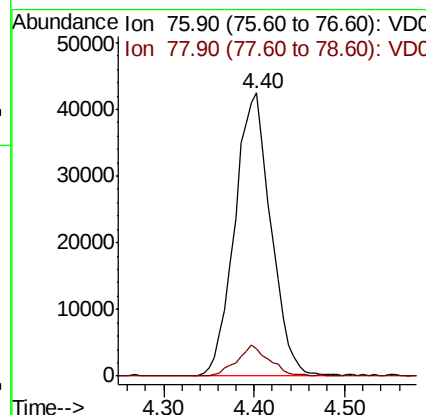
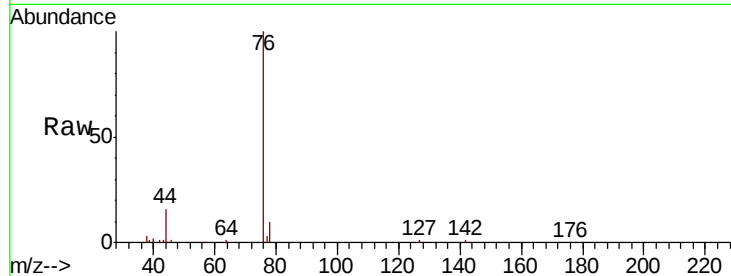
#17  
Carbon Disulfide  
Concen: 19.541 ug/l  
RT: 4.40 min Scan# 422  
Delta R.T. 0.01 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1004SBSD01

Tot Ion: 76 Resp: 117834  
Ion Ratio Lower Upper  
76 100  
78 9.7 5.8 8.8#

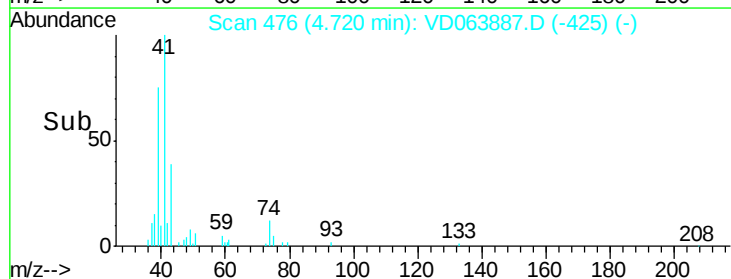
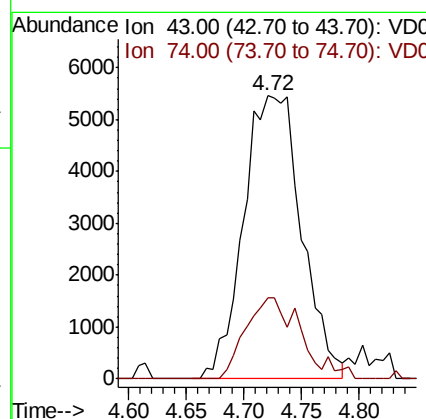
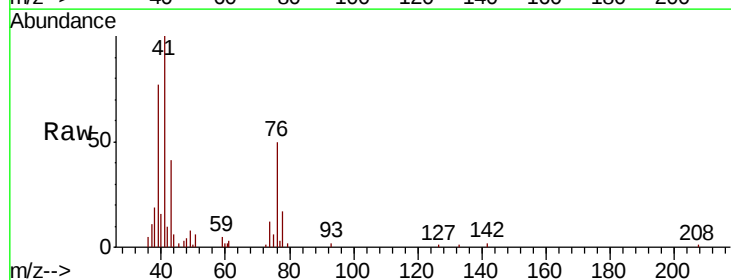
Manual Integrations  
APPROVED

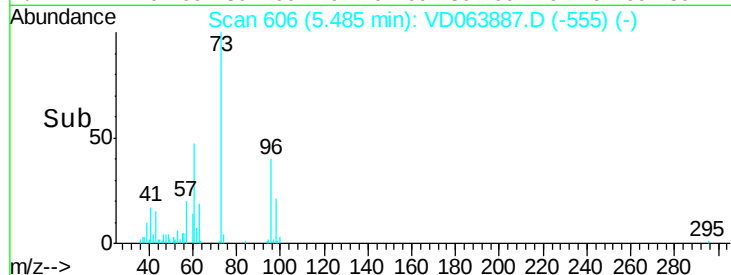
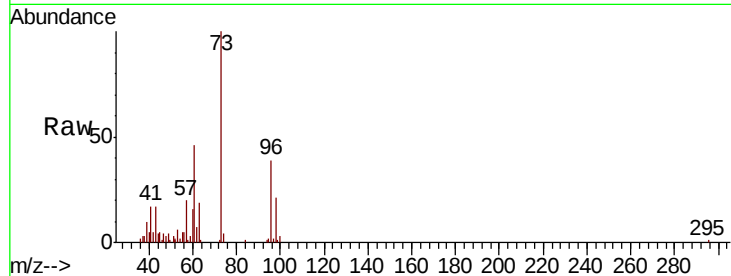
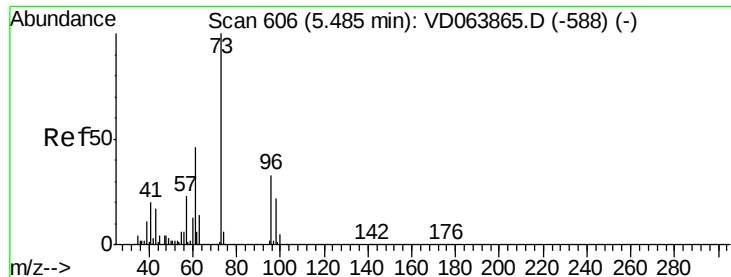
MMDadoda  
10/8/2019 3:11:31 PM



#18  
Methyl Acetate  
Concen: 19.503 ug/l  
RT: 4.72 min Scan# 476  
Delta R.T. -0.00 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

Tgt Ion: 43 Resp: 19138  
Ion Ratio Lower Upper  
43 100  
74 25.4 20.8 31.2





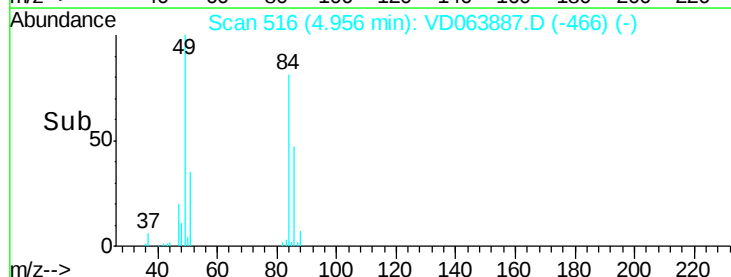
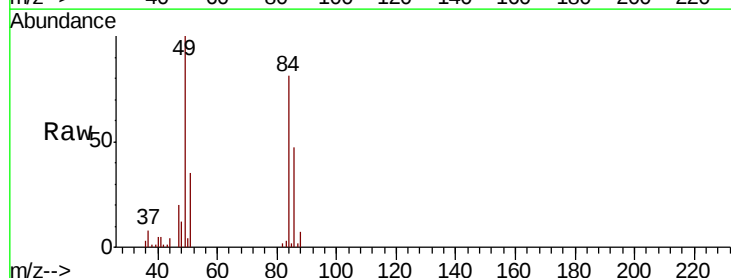
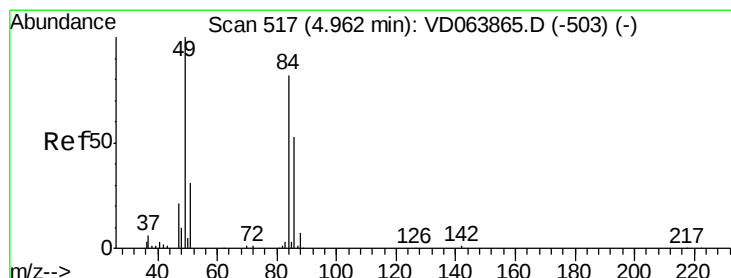
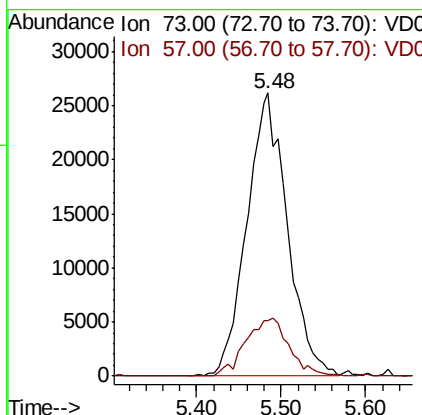
#19  
Methyl tert-butyl Ether  
Concen: 20.242 ug/l  
RT: 5.48 min Scan# 606  
Delta R.T. -0.00 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

Tot Ion: 73 Resp: 86953  
Ion Ratio Lower Upper  
73 100  
57 19.8 18.1 27.1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1004SBS01

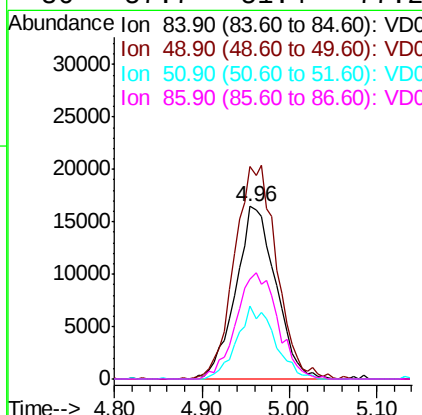
Manual Integrations  
APPROVED

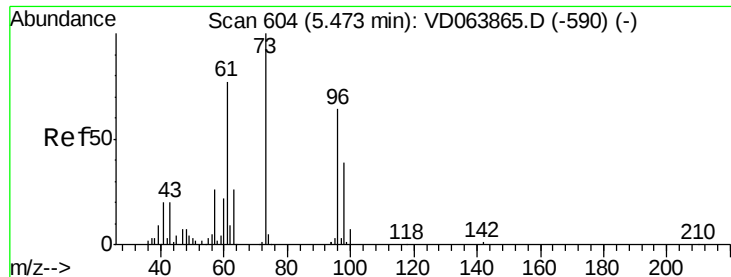
MMDadoda  
10/8/2019 3:11:31 PM



#20  
Methylene Chloride  
Concen: 21.313 ug/l  
RT: 4.96 min Scan# 516  
Delta R.T. -0.01 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

Tgt Ion: 84 Resp: 51291  
Ion Ratio Lower Upper  
84 100  
49 123.2 97.3 145.9  
51 42.7 30.1 45.1  
86 57.7 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.015 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA\_D

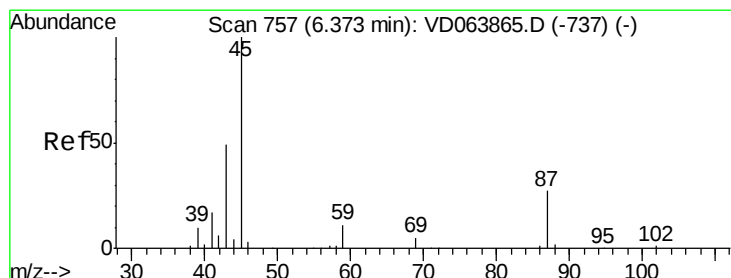
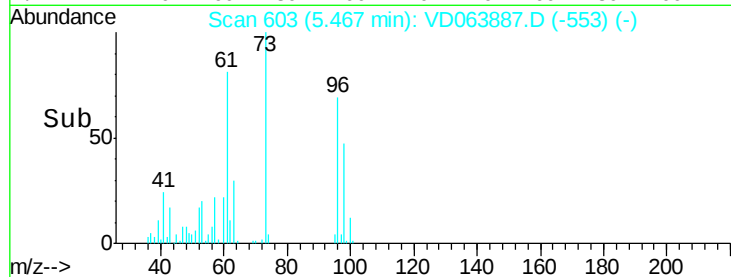
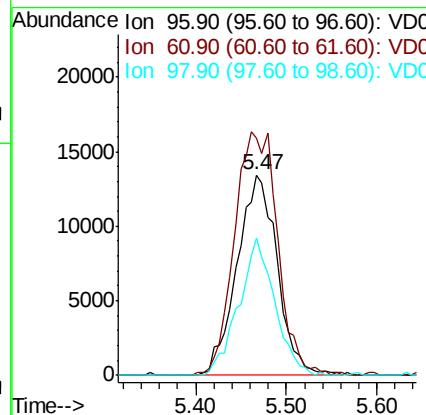
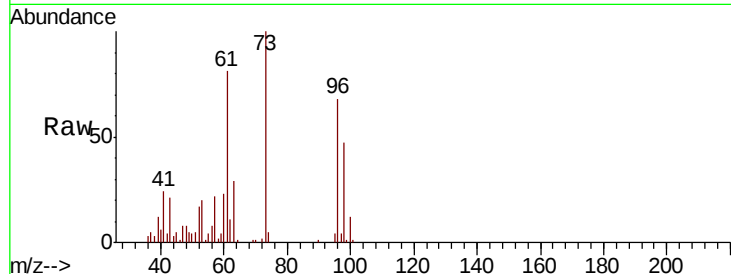
ClientSampleId :

VD1004SBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 41333 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 118.2 | 96.6  | 145.0 |
| 98       | 68.3  | 48.7  | 73.1  |

Manual Integrations  
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MMDadoda  
10/8/2019 3:11:31 PM



#22

Diisopropyl ether

Concen: 20.059 ug/l

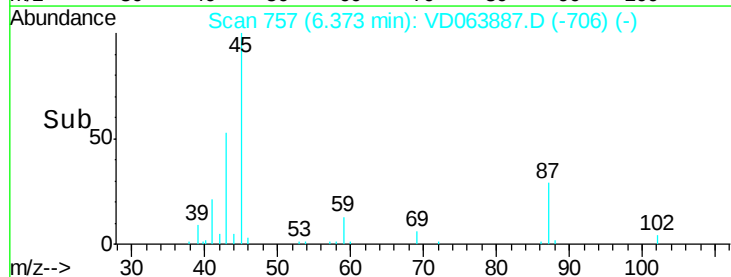
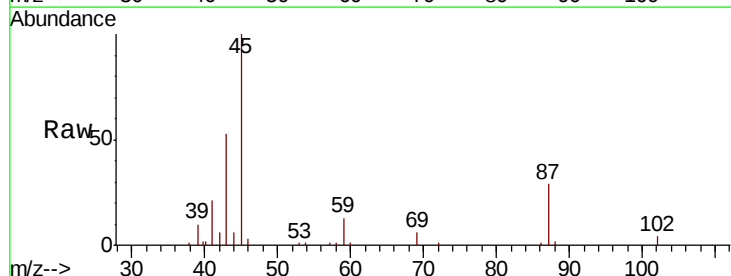
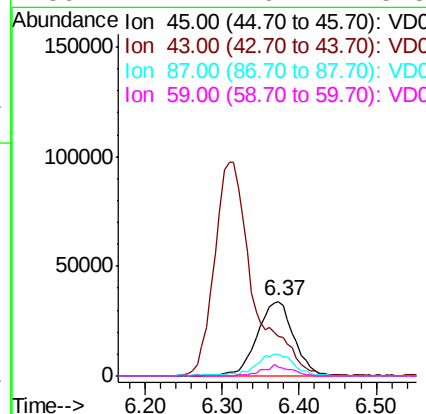
RT: 6.37 min Scan# 757

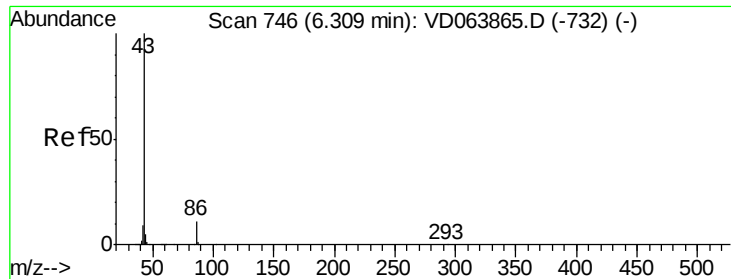
Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 112985 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 51.5  | 41.2  | 61.8   |
| 87       | 29.2  | 22.2  | 33.4   |
| 59       | 12.7  | 9.2   | 13.8   |





#23

Vinyl Acetate

Concen: 101.445 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1004SBS01

Tot Ion: 43 Resp: 339919

Ion Ratio Lower Upper

43 100

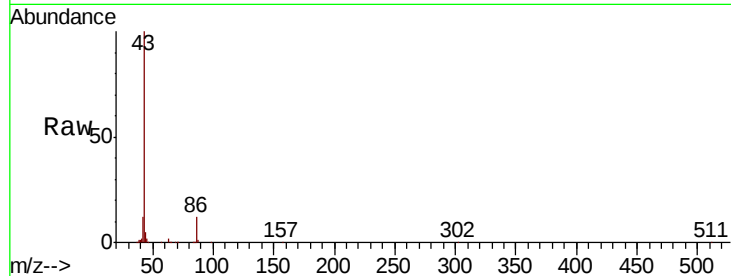
86 12.0 8.8 13.2

Manual Integrations

APPROVED

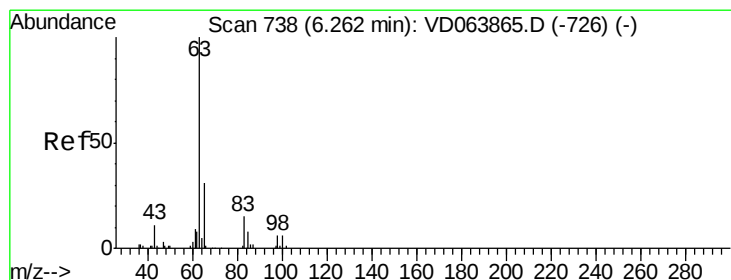
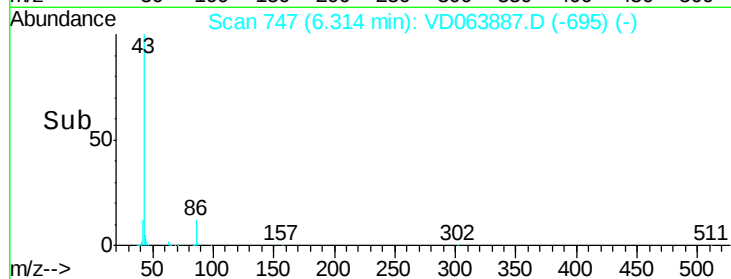
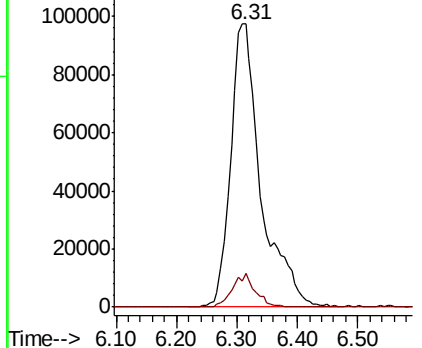
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.495 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

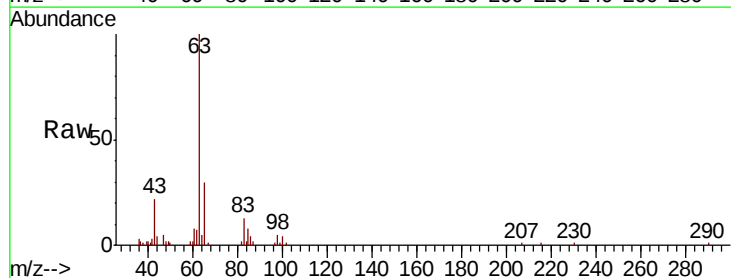
Tgt Ion: 63 Resp: 71108

Ion Ratio Lower Upper

63 100

98 5.3 3.1 9.4

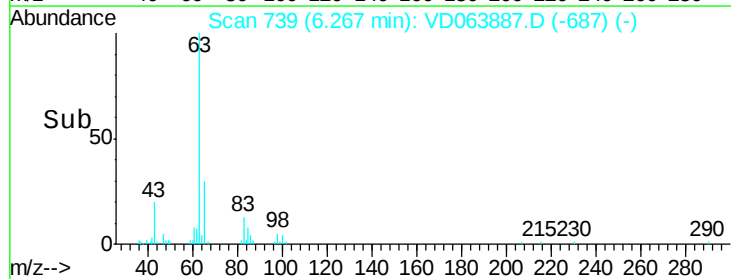
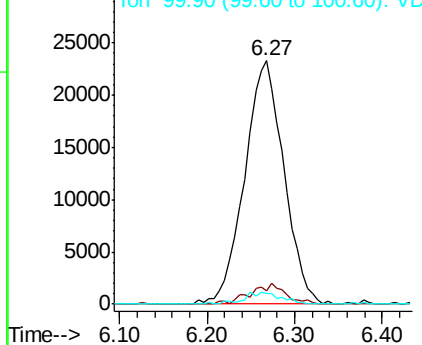
100 4.2 3.0 9.2

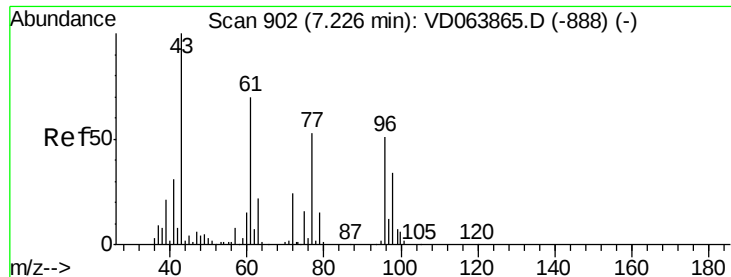


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 97.026 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1004SBS01

Tot Ion: 43 Resp: 57690

Ion Ratio Lower Upper

43 100

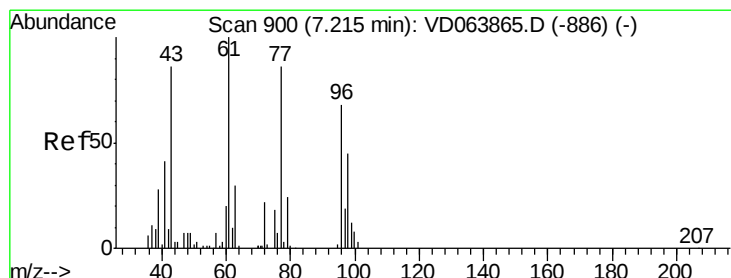
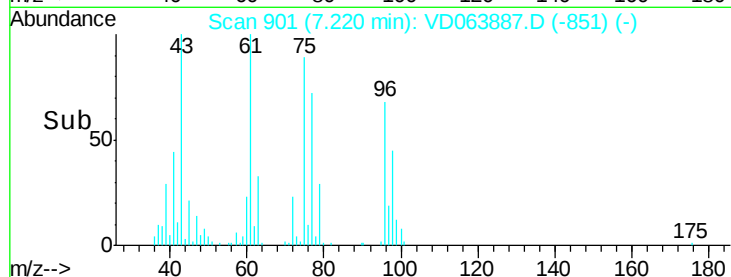
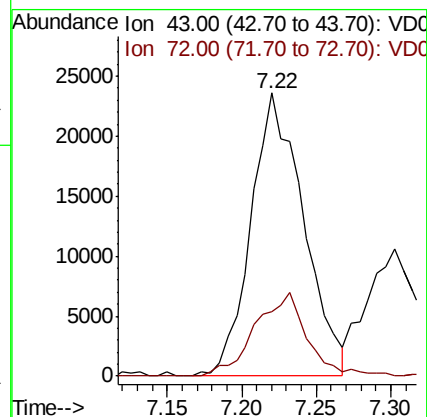
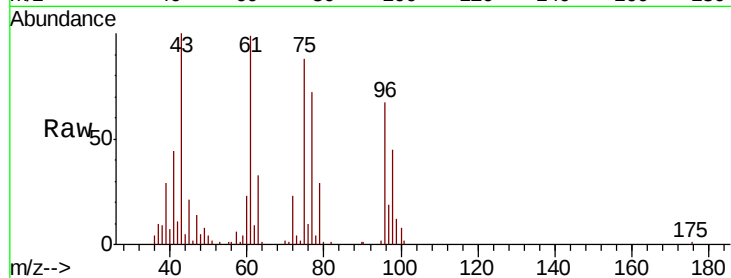
72 22.7 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.733 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063887.D

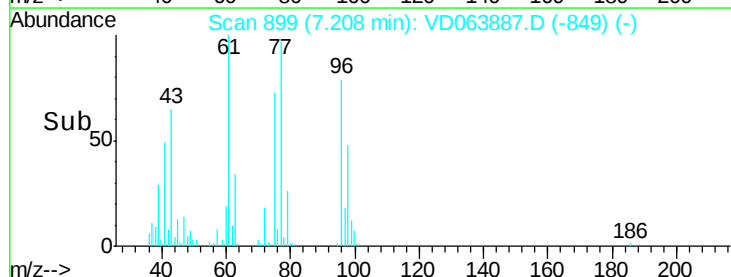
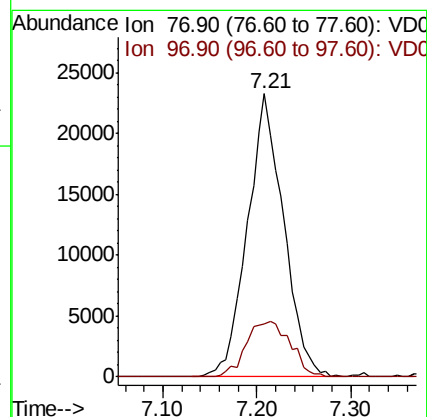
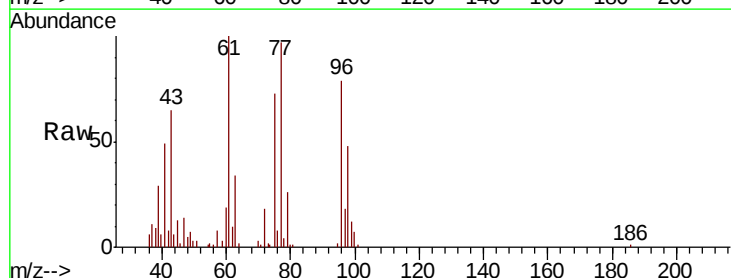
Acq: 04 Oct 2019 15:06

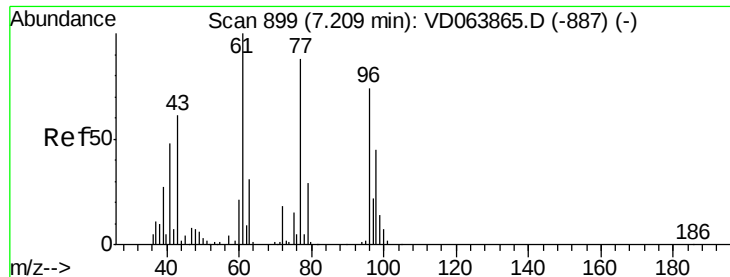
Tgt Ion: 77 Resp: 61930

Ion Ratio Lower Upper

77 100

97 24.1 11.4 34.1





#27

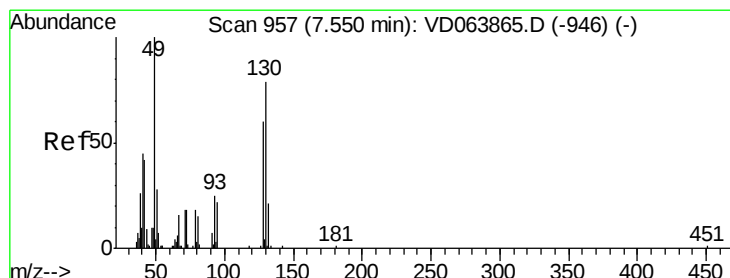
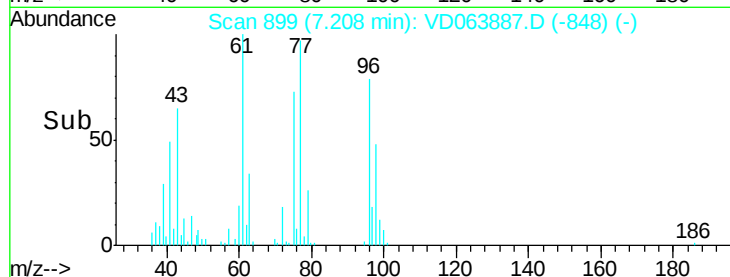
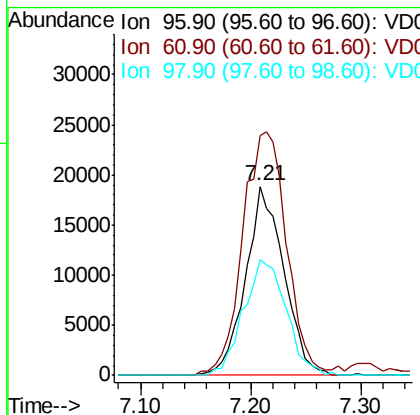
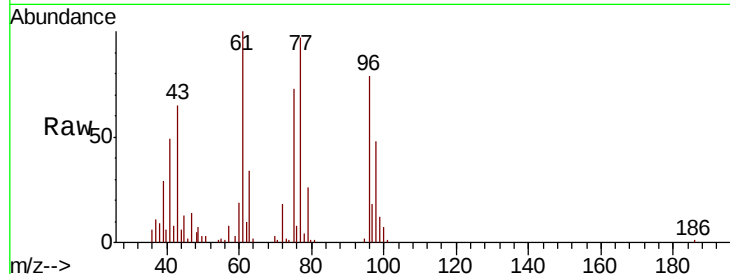
cis-1,2-Dichloroethene  
Concen: 19.608 ug/l  
RT: 7.21 min Scan# 899  
Delta R.T. -0.00 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1004SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 147.7 | 0.0   | 280.0 |
| 98      | 68.2  | 0.0   | 130.4 |

Manual Integrations  
APPROVED

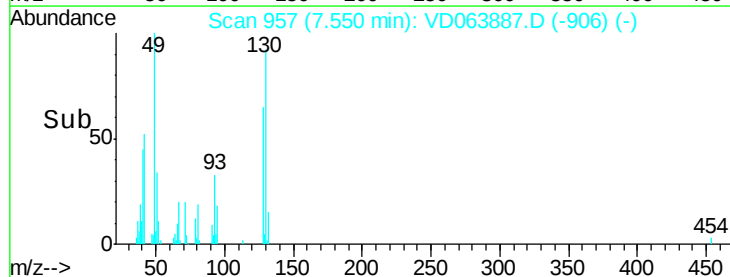
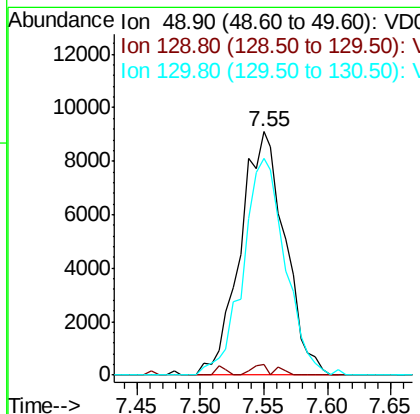
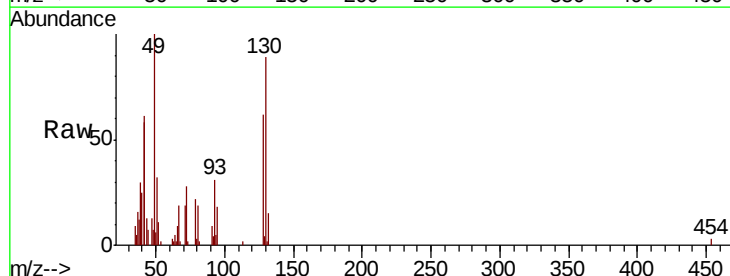
MMDadoda  
10/8/2019 3:11:31 PM

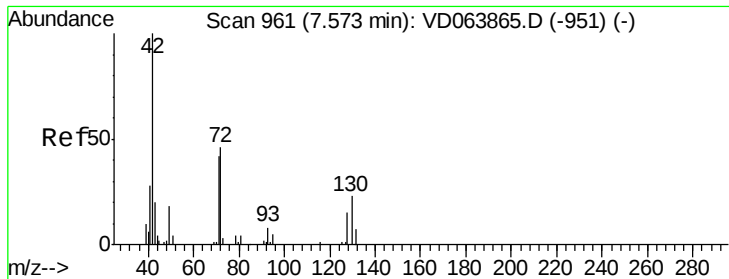


#28

Bromochloromethane  
Concen: 18.180 ug/l  
RT: 7.55 min Scan# 957  
Delta R.T. 0.00 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.4   | 0.0   | 5.6   |
| 130     | 83.9  | 66.8  | 100.2 |





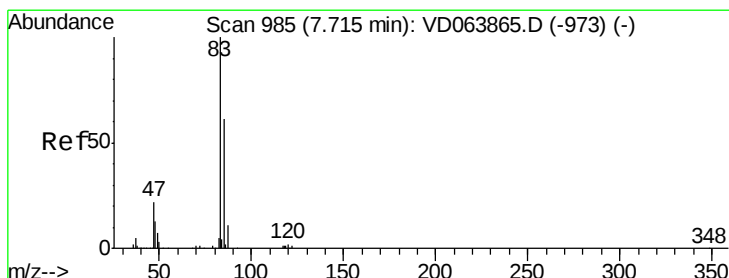
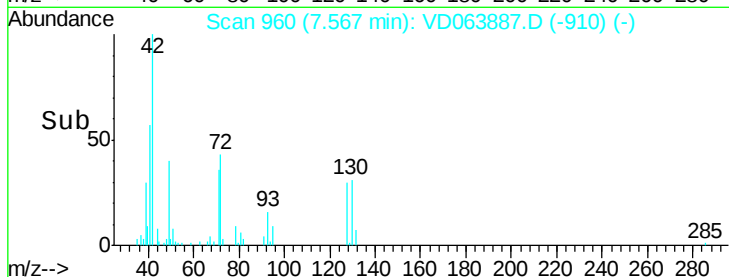
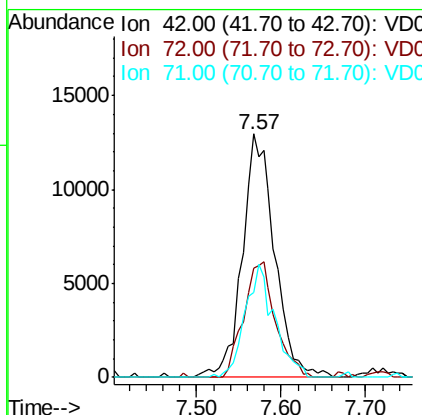
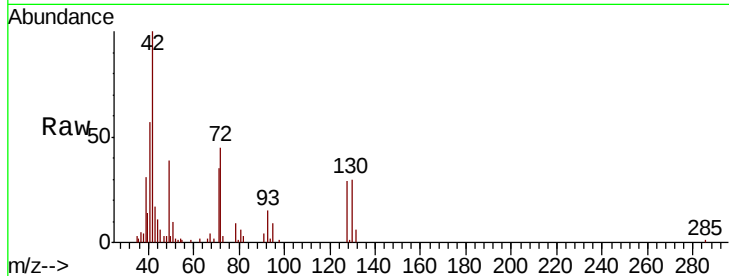
#29  
Tetrahydrofuran  
Concen: 98.889 ug/l  
RT: 7.57 min Scan# 960  
Delta R.T. -0.01 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1004SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 46.8  | 37.6  | 56.4  |
| 71      | 42.2  | 35.0  | 52.6  |

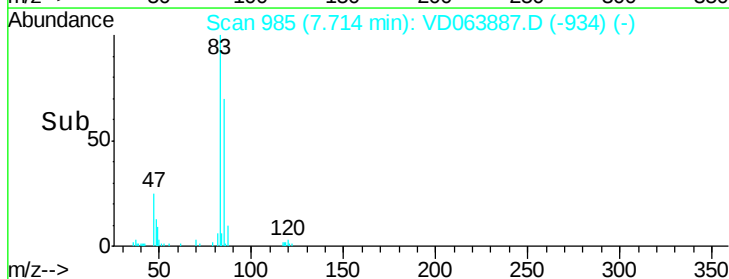
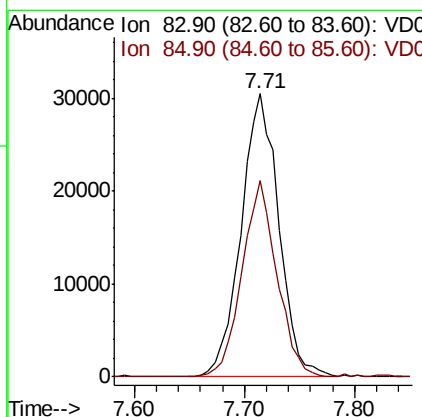
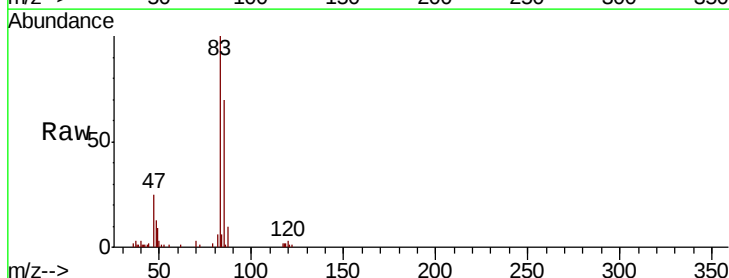
Manual Integrations  
APPROVED

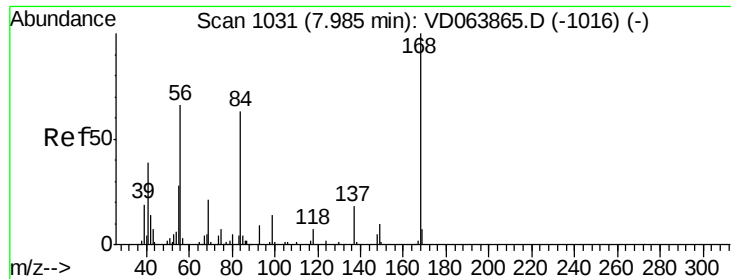
MMDadoda  
10/8/2019 3:11:31 PM



#30  
Chloroform  
Concen: 19.430 ug/l  
RT: 7.71 min Scan# 985  
Delta R.T. -0.00 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 69.6  | 48.9  | 73.3  |





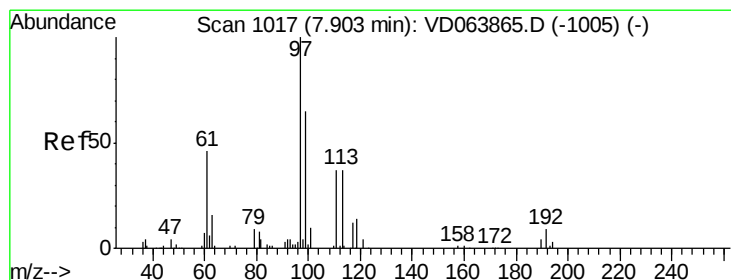
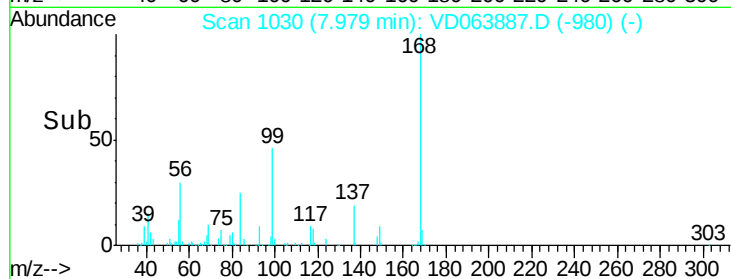
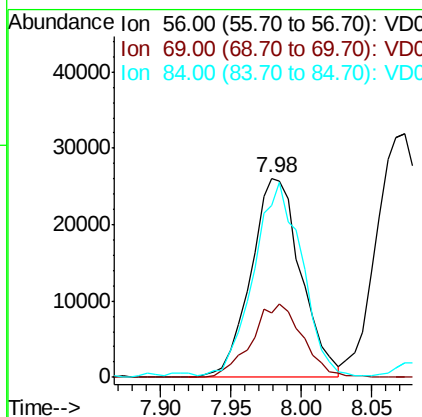
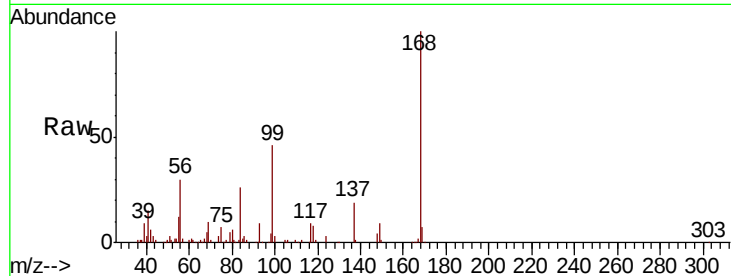
#31  
Cyclohexane  
Concen: 20.155 ug/l  
RT: 7.98 min Scan# 1030  
Delta R.T. -0.01 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1004SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 32.3  | 25.0  | 37.4  |
| 84      | 84.6  | 76.3  | 114.5 |

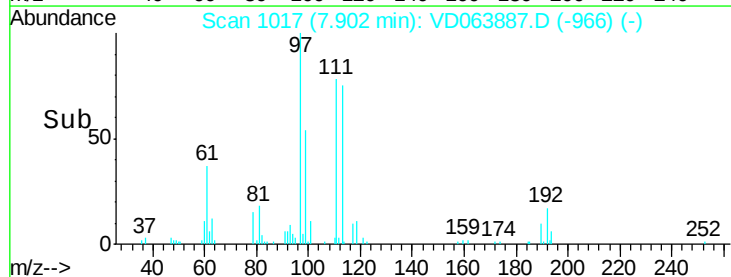
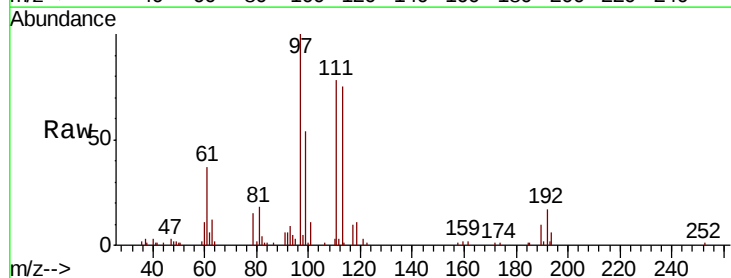
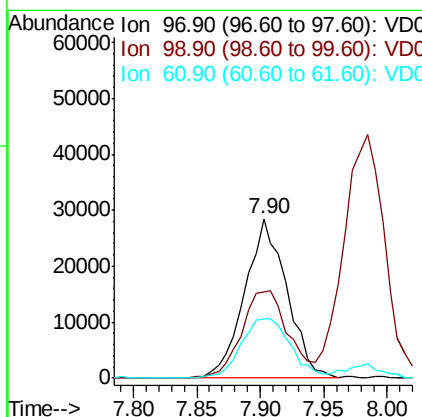
Manual Integrations  
APPROVED

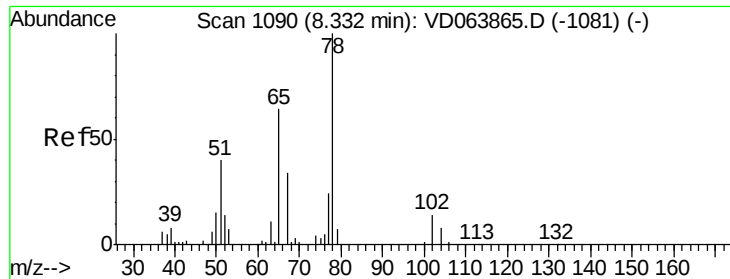
MMDadoda  
10/8/2019 3:11:31 PM



#32  
1,1,1-Trichloroethane  
Concen: 20.403 ug/l  
RT: 7.90 min Scan# 1017  
Delta R.T. -0.00 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 60.9  | 52.4  | 78.6  |
| 61      | 43.4  | 33.8  | 50.8  |





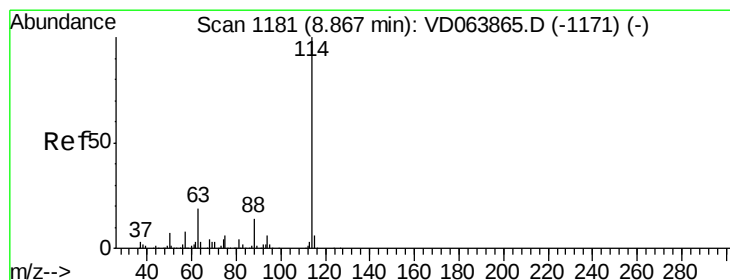
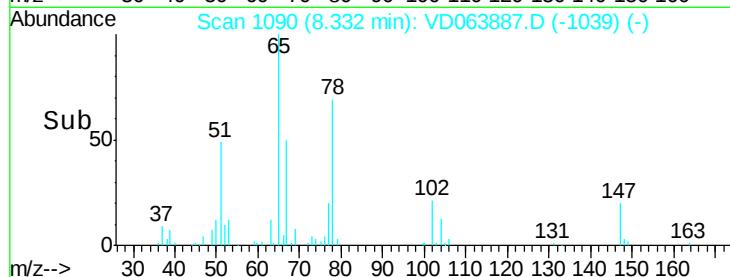
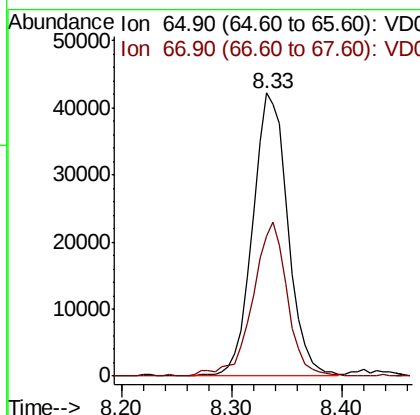
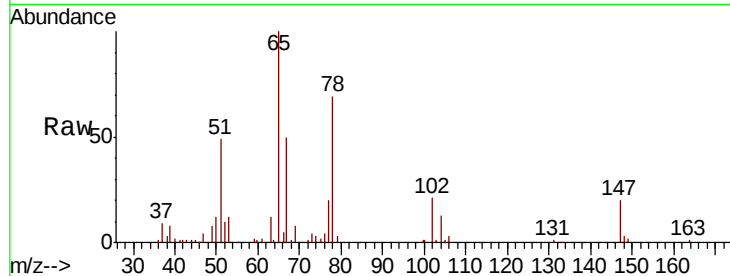
#33  
 1,2-Dichloroethane-d4  
 Concen: 48.803 ug/l  
 RT: 8.33 min Scan# 1090  
 Delta R.T. -0.00 min  
 Lab File: VD063887.D  
 Acq: 04 Oct 2019 15:06

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1004SBSD01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 53.6  | 0.0  | 106.4 |       |

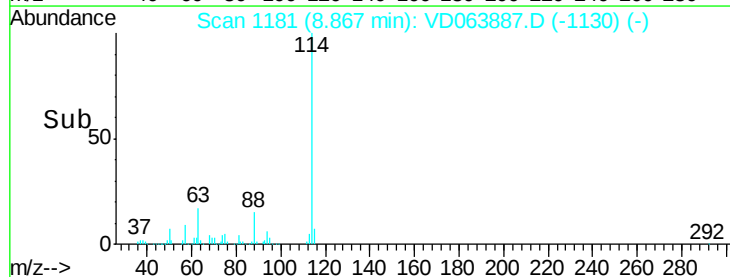
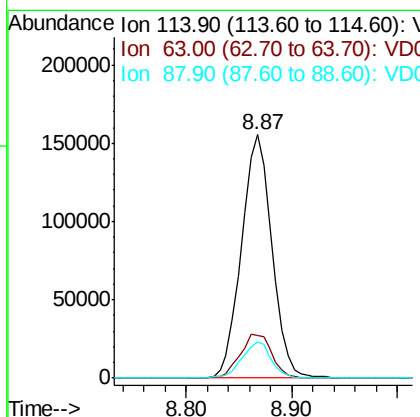
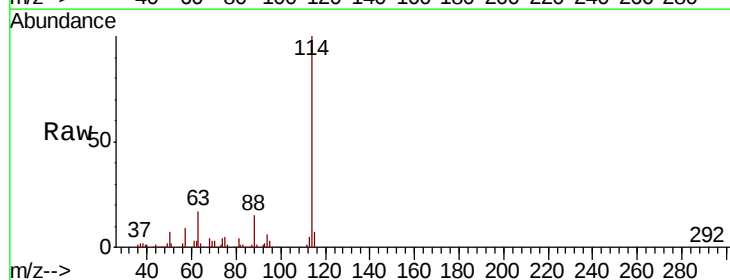
Manual Integrations  
 APPROVED

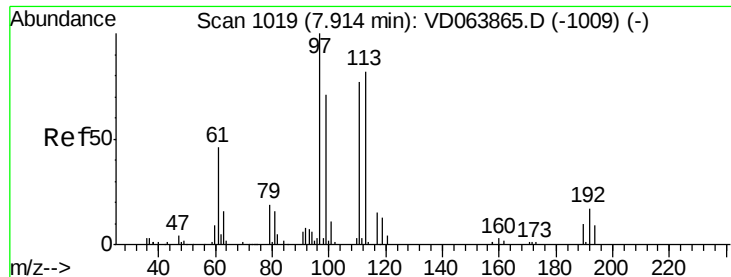
MMDadoda  
 10/8/2019 3:11:31 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. -0.00 min  
 Lab File: VD063887.D  
 Acq: 04 Oct 2019 15:06

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 17.3  | 0.0  | 38.4  |       |
| 88      | 14.8  | 0.0  | 27.4  |       |





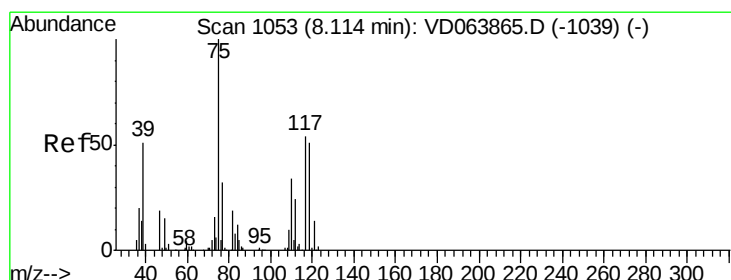
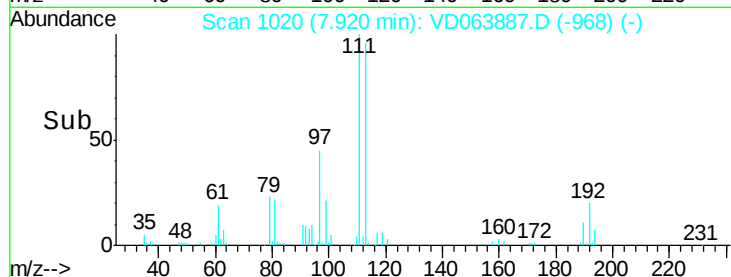
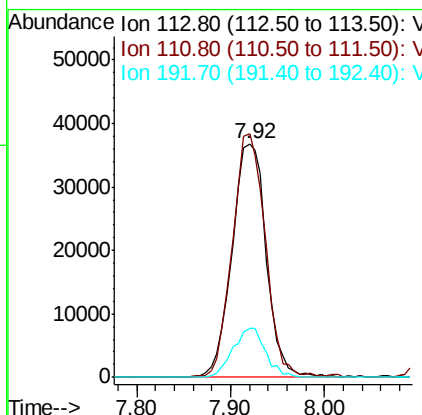
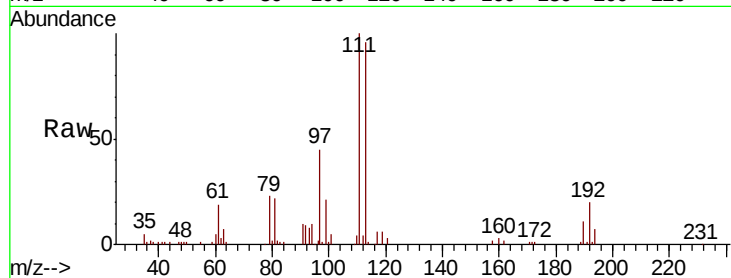
#35  
 Dibromofluoromethane  
 Concen: 48.830 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. 0.01 min  
 Lab File: VD063887.D  
 Acq: 04 Oct 2019 15:06

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1004SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 100.2 | 82.6  | 123.8 |
| 192     | 20.0  | 17.1  | 25.7  |

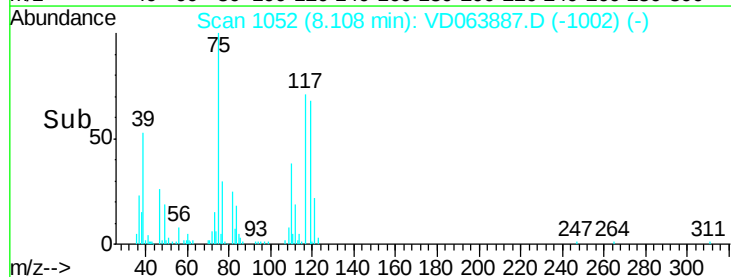
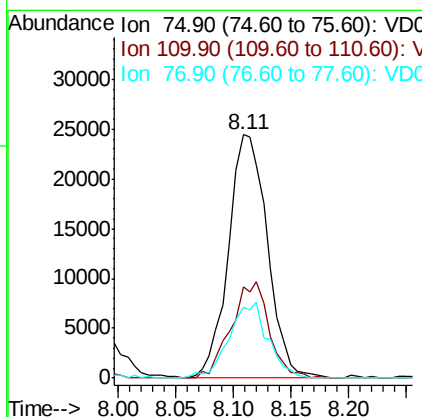
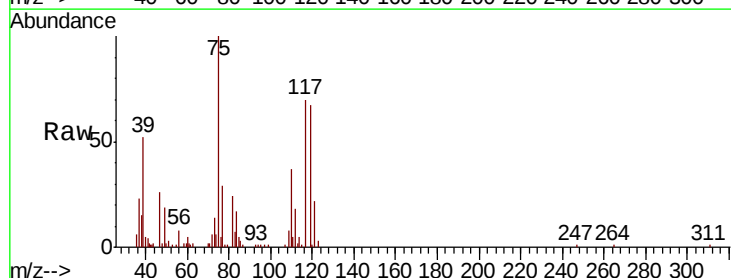
Manual Integrations  
 APPROVED

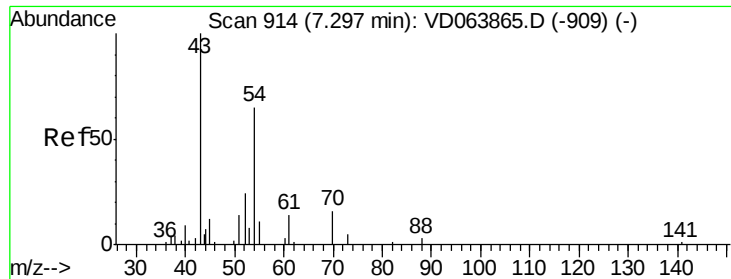
MMDadoda  
 10/8/2019 3:11:31 PM



#36  
 1,1-Dichloropropene  
 Concen: 20.108 ug/l  
 RT: 8.11 min Scan# 1052  
 Delta R.T. -0.01 min  
 Lab File: VD063887.D  
 Acq: 04 Oct 2019 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 38.5  | 17.4  | 52.3  |
| 77      | 30.7  | 25.4  | 38.0  |





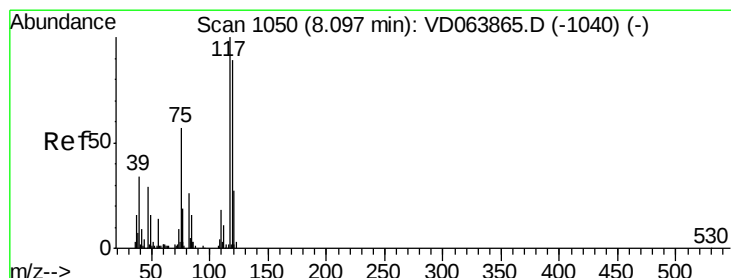
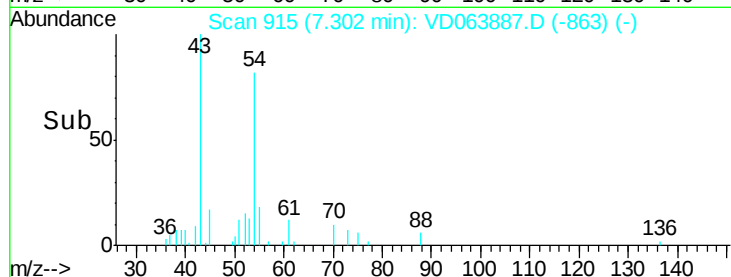
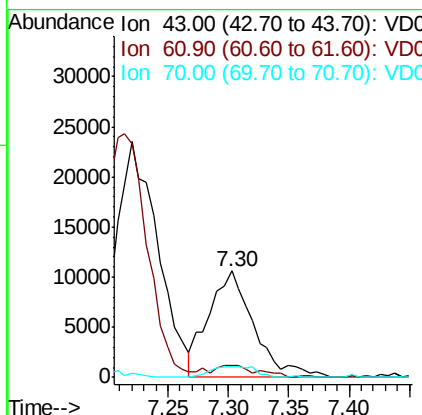
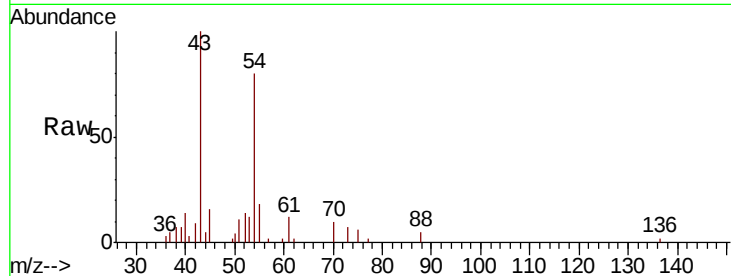
#37  
Ethyl Acetate  
Concen: 21.949 ug/l  
RT: 7.30 min Scan# 915  
Delta R.T. 0.01 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1004SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 11.9  | 11.5  | 17.3  |
| 70      | 10.0  | 8.2   | 12.4  |

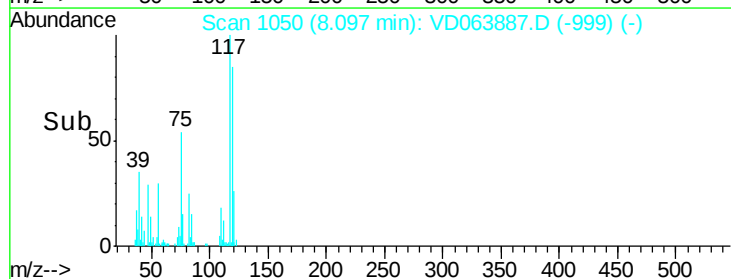
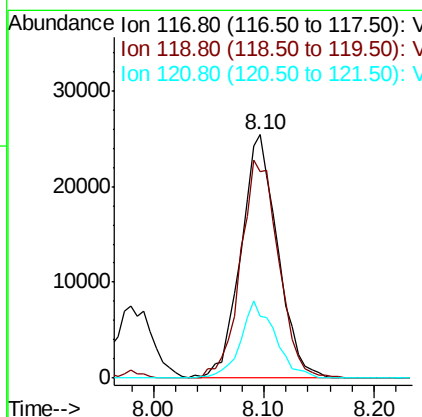
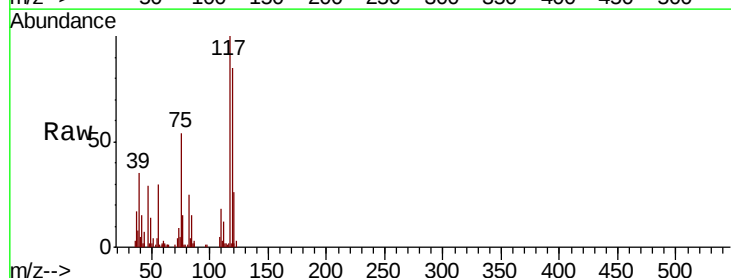
Manual Integrations  
APPROVED

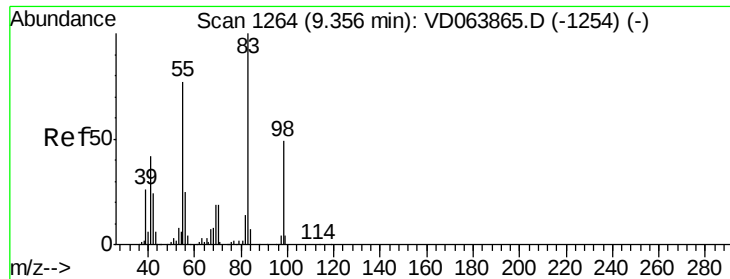
MMDadoda  
10/8/2019 3:11:31 PM



#38  
Carbon Tetrachloride  
Concen: 20.696 ug/l  
RT: 8.10 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 84.9  | 70.8  | 106.2 |
| 121     | 25.6  | 21.4  | 32.0  |





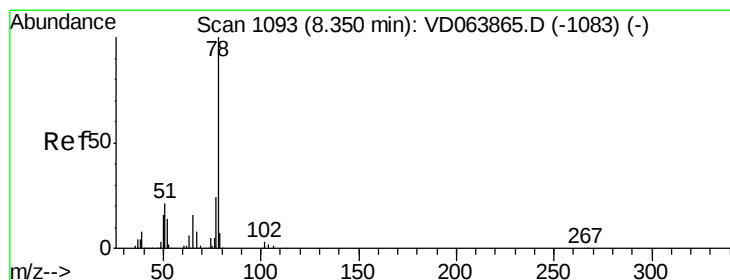
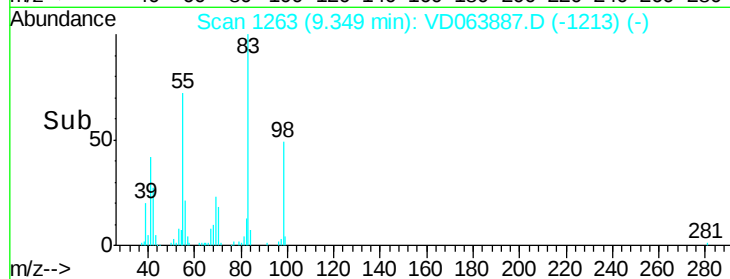
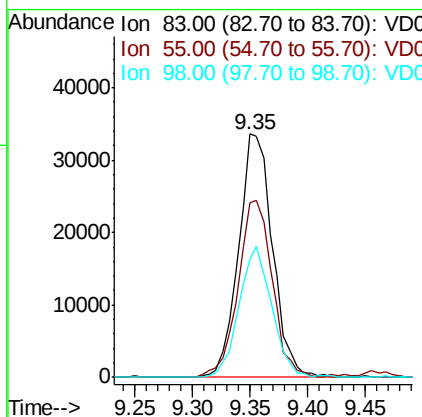
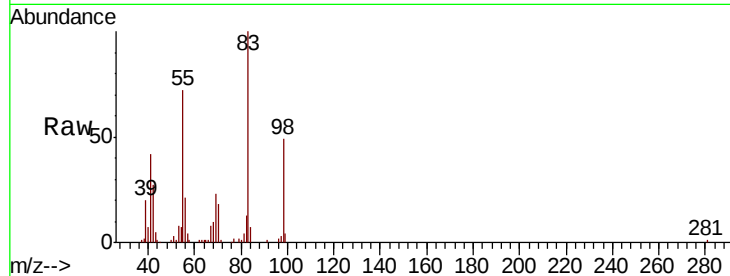
#39  
Methvlcvclohexane  
Concen: 19.602 ug/l  
RT: 9.35 min Scan# 1263  
Delta R.T. -0.01 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1004SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 71.7  | 61.3  | 91.9  |
| 98      | 48.8  | 39.3  | 58.9  |

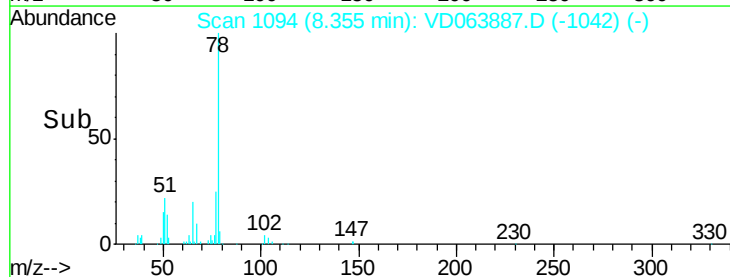
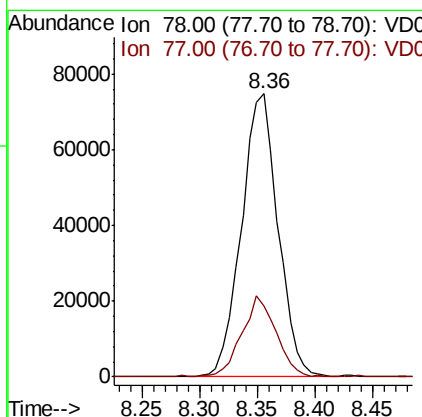
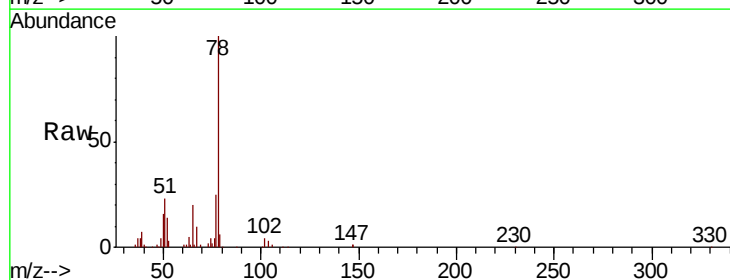
Manual Integrations  
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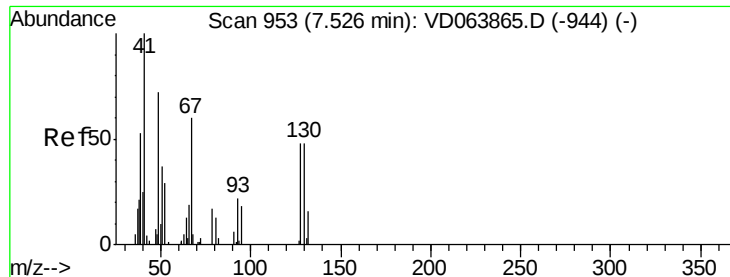
MMDadoda  
10/8/2019 3:11:31 PM



#40  
Benzene  
Concen: 20.214 ug/l  
RT: 8.36 min Scan# 1094  
Delta R.T. 0.01 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.9  | 19.0  | 28.6  |





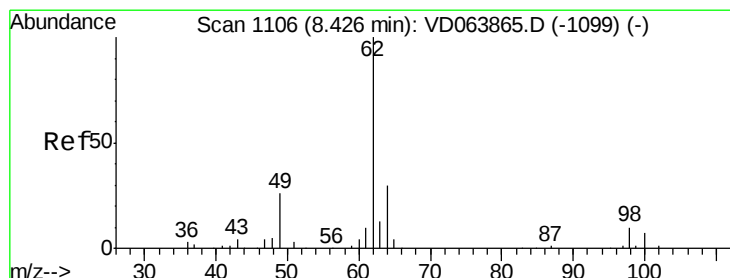
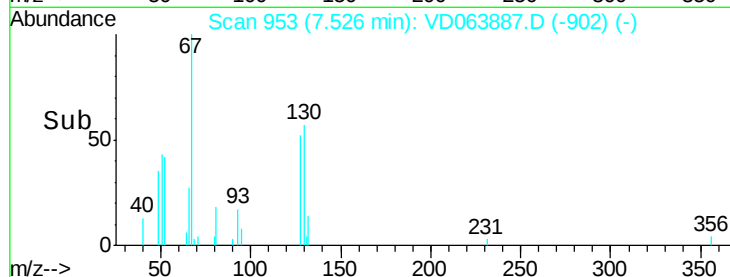
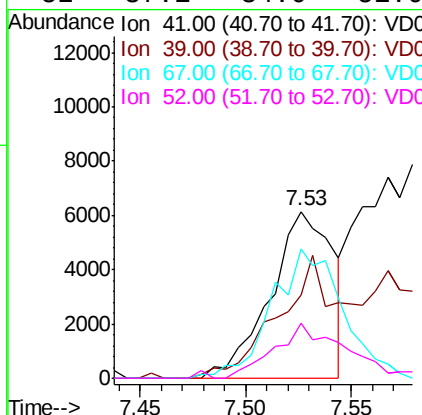
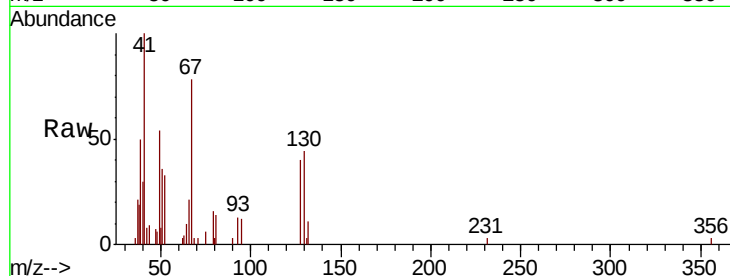
#41  
Methacrylonitrile  
Concen: 19.227 ug/l  
RT: 7.53 min Scan# 953  
Delta R.T. -0.00 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1004SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 69.9  | 52.6  | 78.8  |
| 67      | 87.7  | 74.2  | 111.2 |
| 52      | 37.1  | 34.0  | 51.0  |

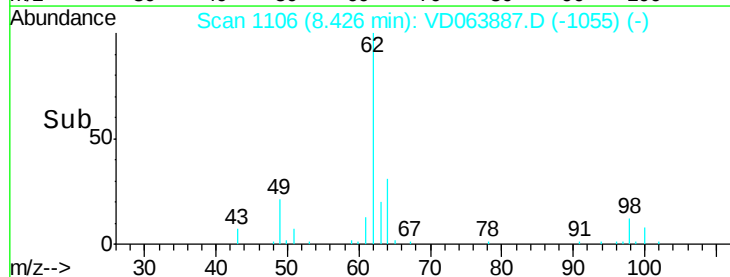
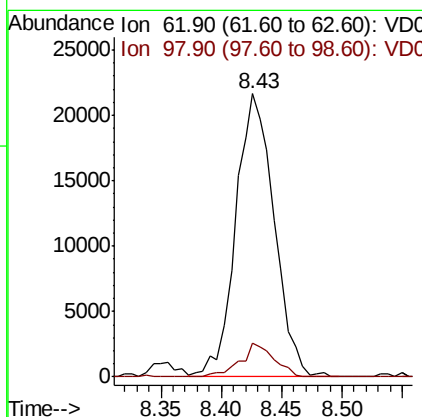
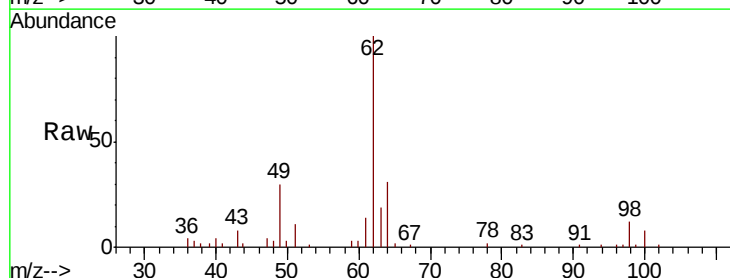
Manual Integrations  
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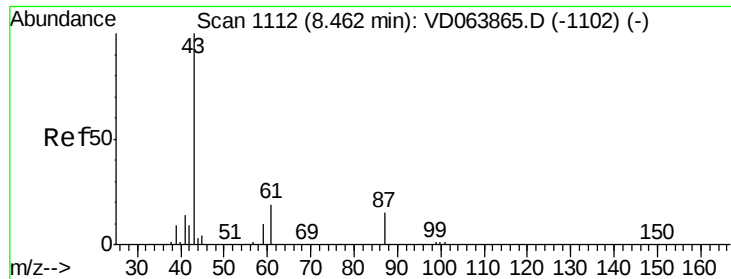
MMDadoda  
10/8/2019 3:11:31 PM



#42  
1,2-Dichloroethane  
Concen: 20.342 ug/l  
RT: 8.43 min Scan# 1106  
Delta R.T. -0.00 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.3  | 0.0   | 20.0  |





#43

Isopropyl Acetate

Concen: 20.404 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA\_D

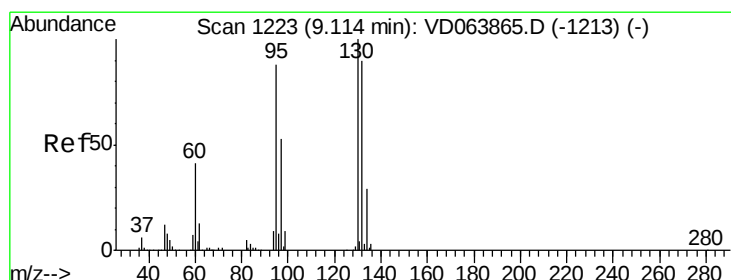
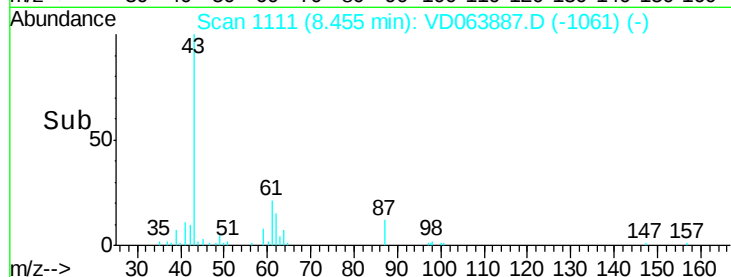
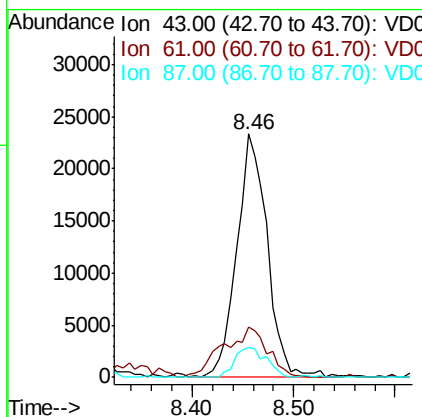
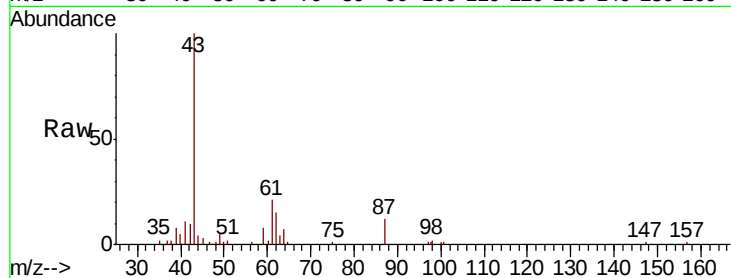
ClientSampleId :

VD1004SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 48689 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 30.2  | 25.7  | 38.5  |
| 87       | 12.7  | 11.6  | 17.4  |

Manual Integrations  
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#44

Trichloroethene

Concen: 19.876 ug/l

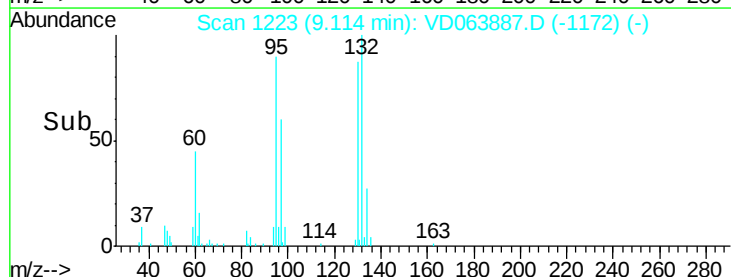
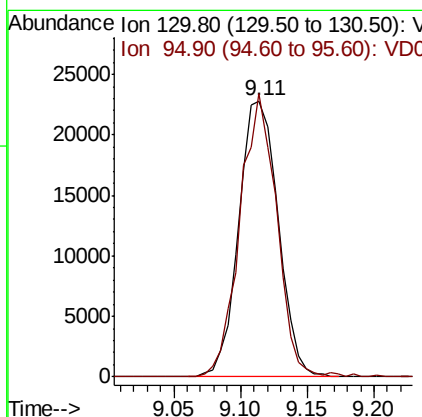
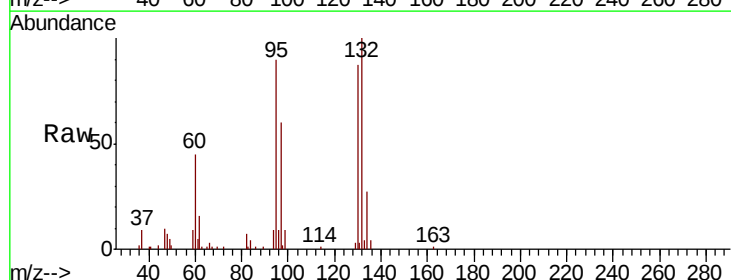
RT: 9.11 min Scan# 1223

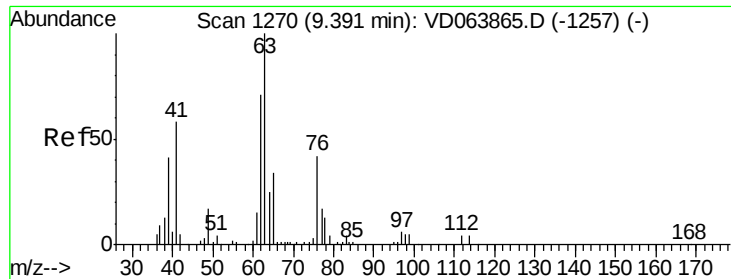
Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 46734 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 102.7 | 0.0   | 175.6 |





#45

1,2-Dichloropropane

Concen: 20.452 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1004SBS01

Tot Ion: 63 Resp: 40818

Ion Ratio Lower Upper

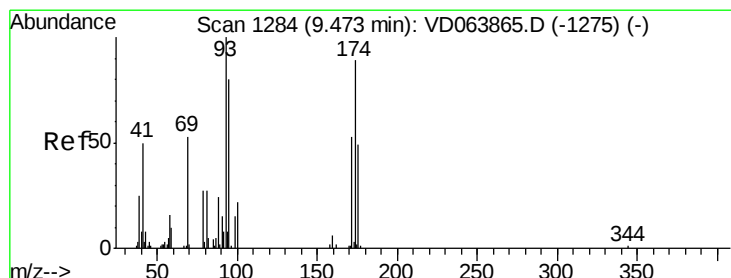
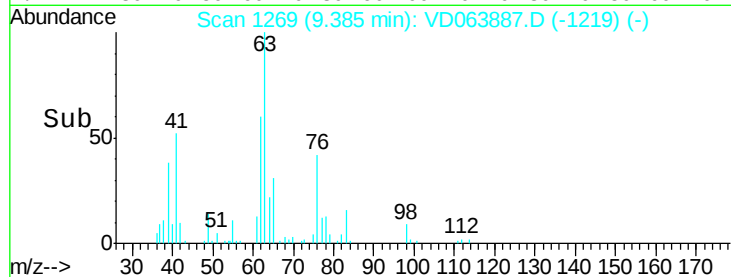
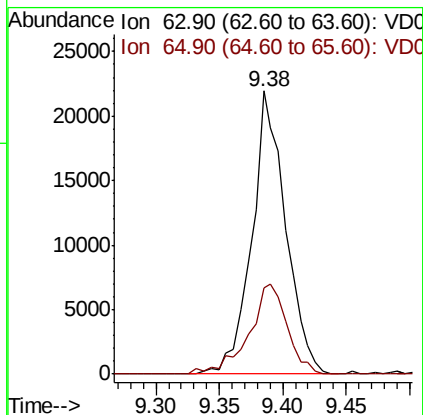
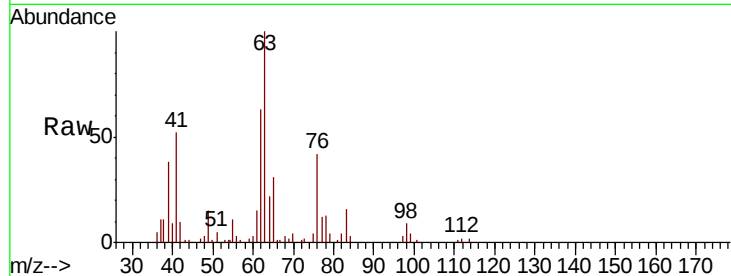
63 100

65 30.6 27.3 40.9

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#46

Dibromomethane

Concen: 20.084 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

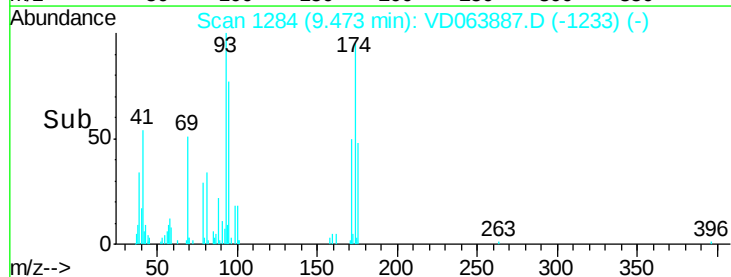
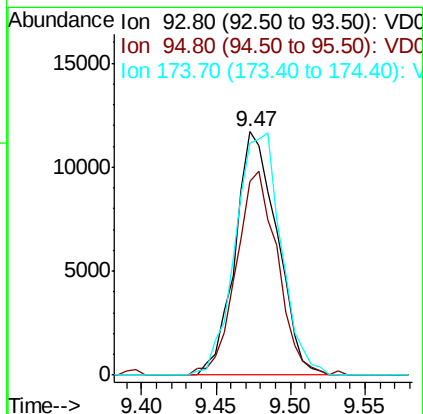
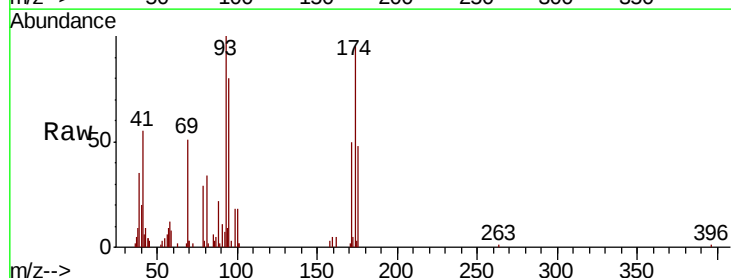
Tgt Ion: 93 Resp: 22828

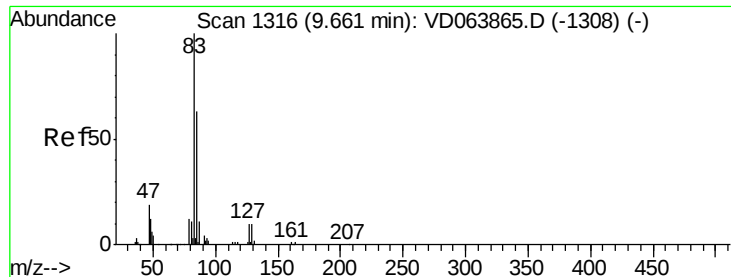
Ion Ratio Lower Upper

93 100

95 82.7 66.0 99.0

174 107.8 83.4 125.0





#47

Bromodichloromethane

Concen: 19.822 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA\_D

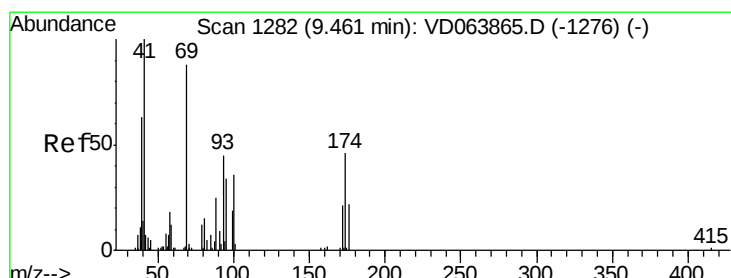
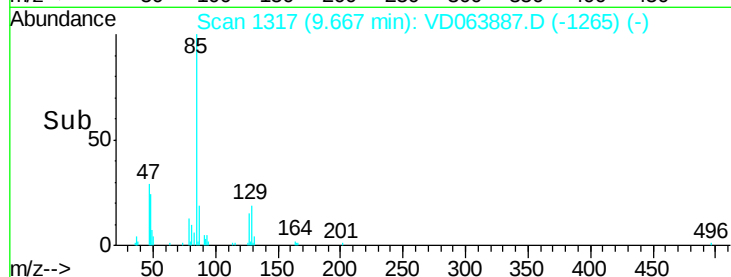
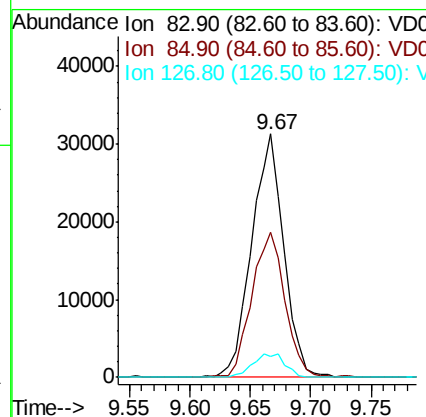
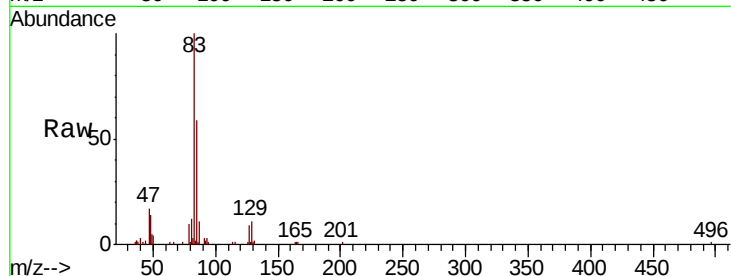
ClientSampleId :

VD1004SBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 58008 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 59.4  | 50.2  | 75.2  |
| 127       | 8.7   | 7.6   | 11.4  |

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#48

Methyl methacrylate

Concen: 20.586 ug/l

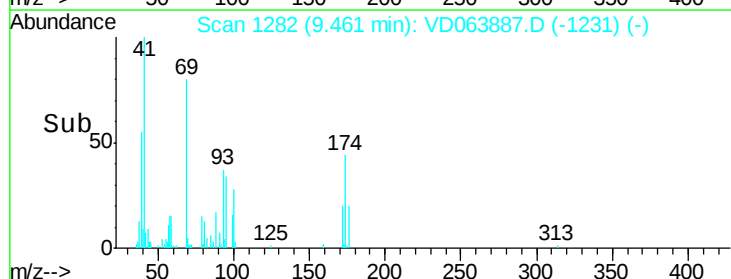
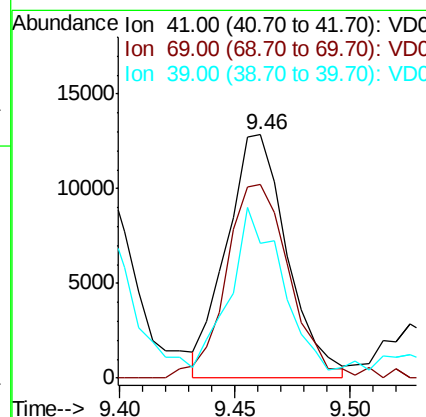
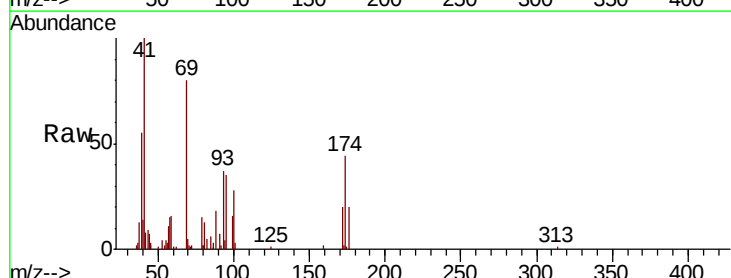
RT: 9.46 min Scan# 1282

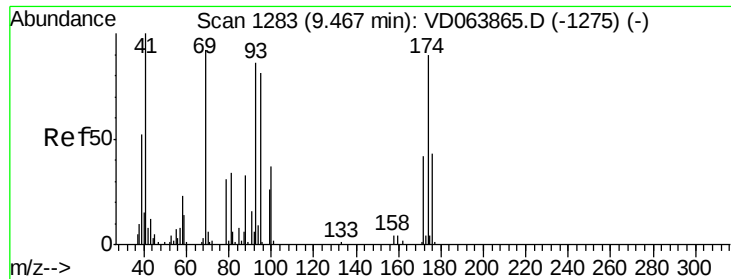
Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 23537 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 82.5  | 75.1  | 112.7 |
| 39        | 63.0  | 50.2  | 75.2  |





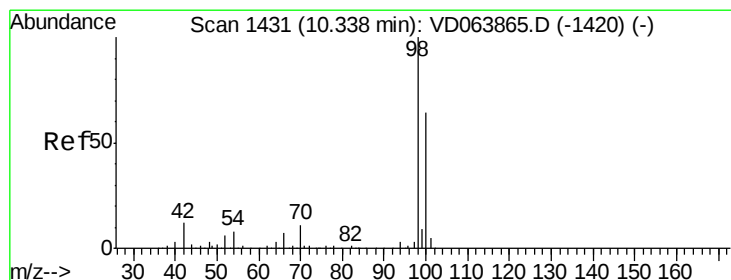
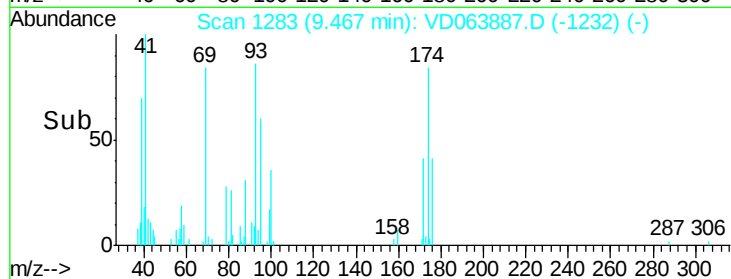
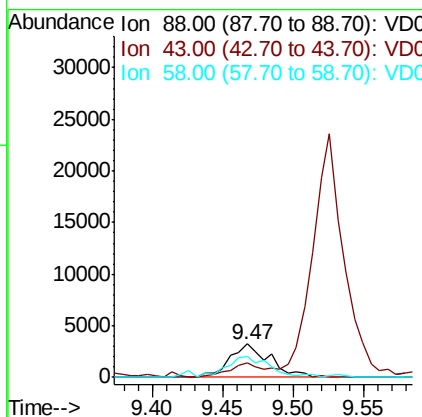
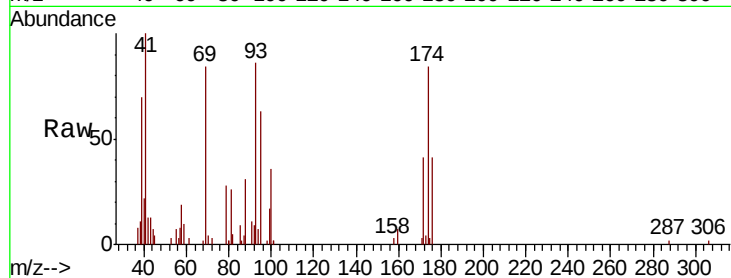
#49  
1,4-Dioxane  
Concen: 415.784 ug/l  
RT: 9.47 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1004SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 33.1  | 27.6  | 41.4  |
| 58      | 67.7  | 54.1  | 81.1  |

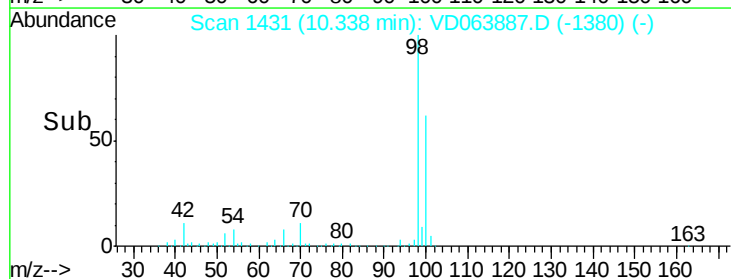
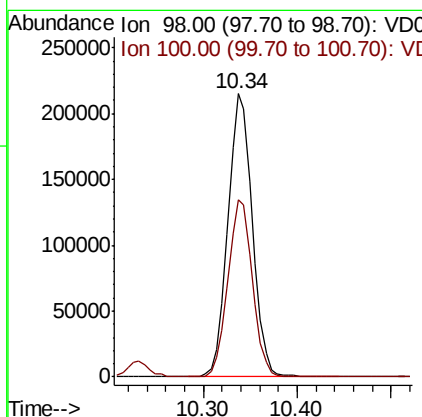
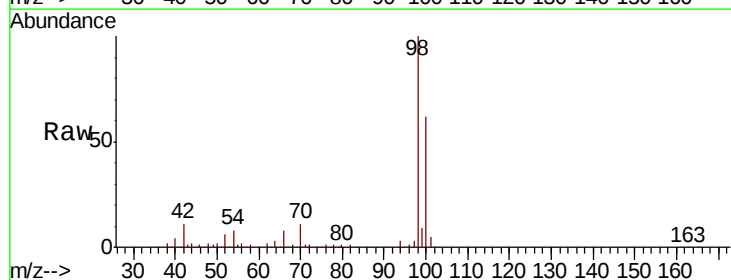
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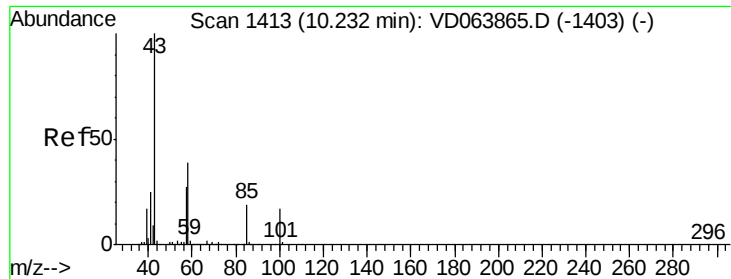
MMDadoda  
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#50  
Toluene-d8  
Concen: 50.127 ug/l  
RT: 10.34 min Scan# 1431  
Delta R.T. -0.00 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 62.9  | 52.1  | 78.1  |





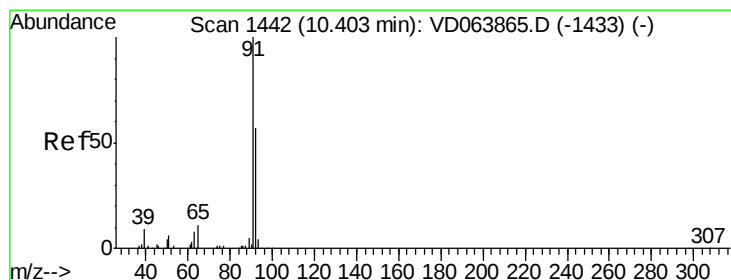
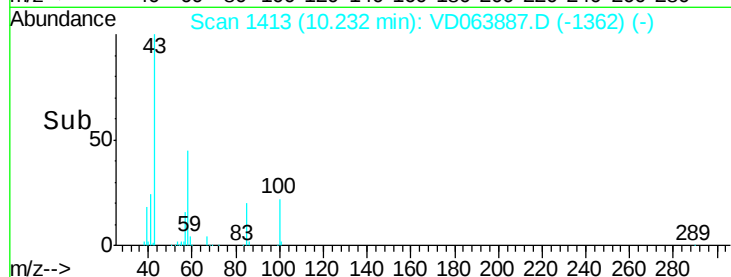
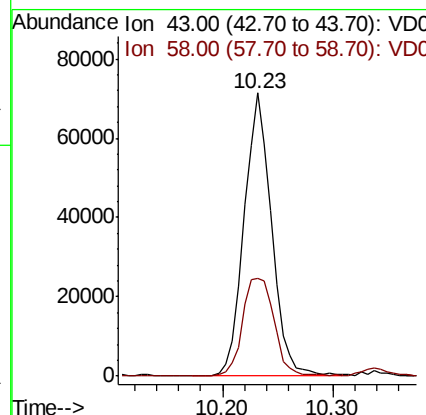
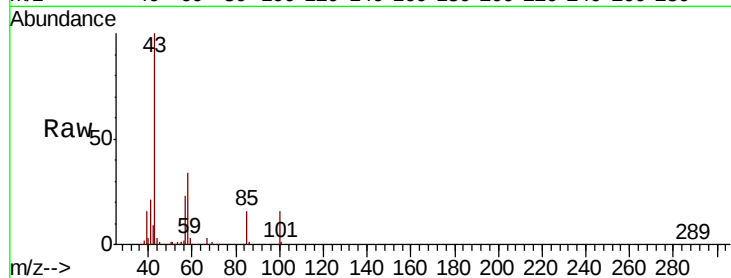
#51  
4-Methyl-2-Pentanone  
Concen: 101.558 ug/l  
RT: 10.23 min Scan# 1413  
Delta R.T. -0.00 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1004SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 39.9  | 33.0  | 49.4  |

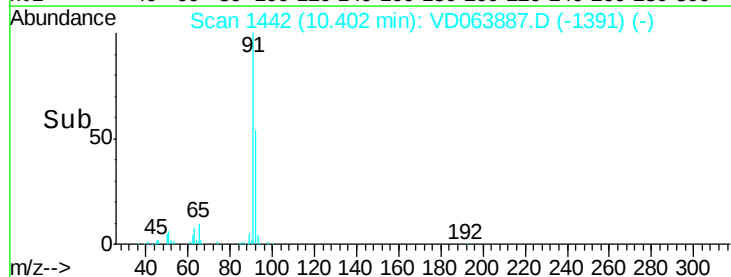
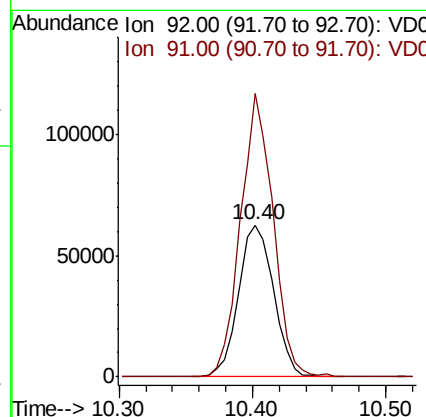
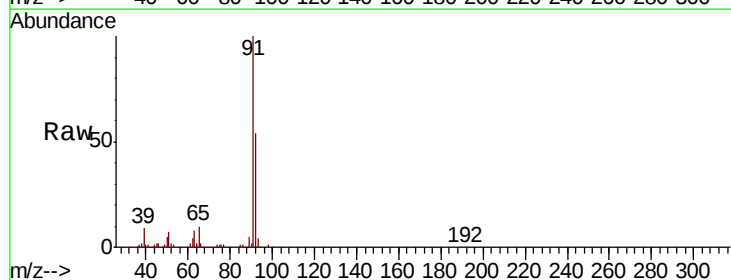
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10/8/2019 3:11:31 PM



#52  
Toluene  
Concen: 20.391 ug/l  
RT: 10.40 min Scan# 1442  
Delta R.T. -0.00 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 173.4 | 139.5 | 209.3 |





#53

t-1,3-Dichloropropene

Concen: 19.853 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1004SBS01

Tot Ion: 75 Resp: 56695

Ion Ratio Lower Upper

75 100

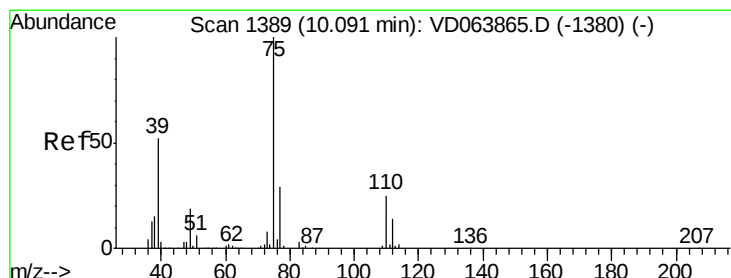
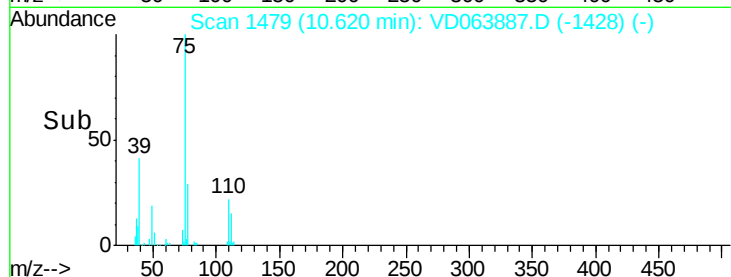
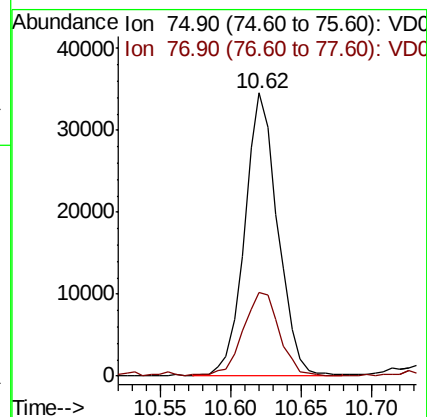
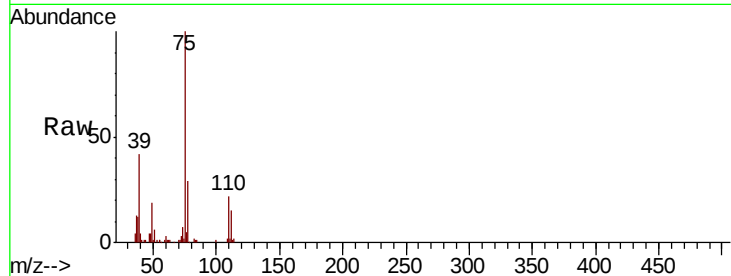
77 29.4 22.8 34.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.464 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

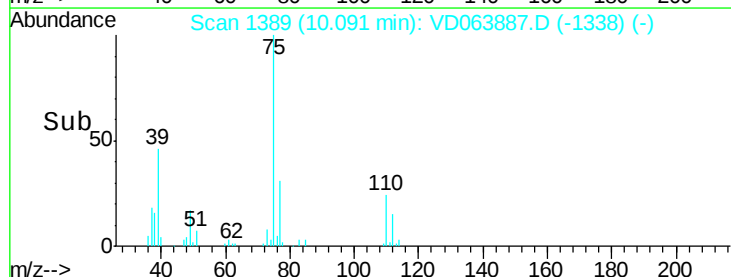
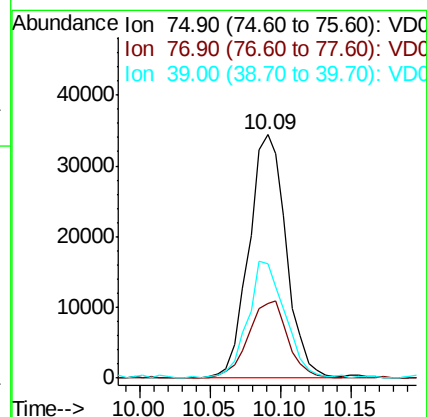
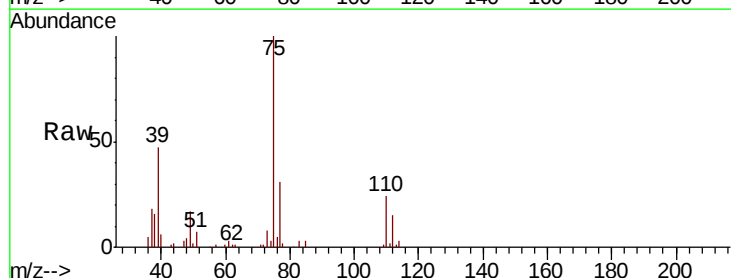
Tgt Ion: 75 Resp: 63983

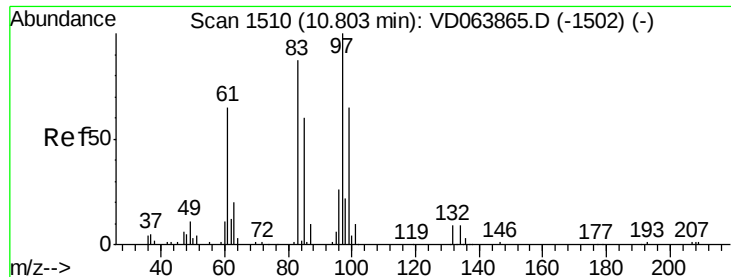
Ion Ratio Lower Upper

75 100

77 30.5 23.2 34.8

39 46.3 41.5 62.3





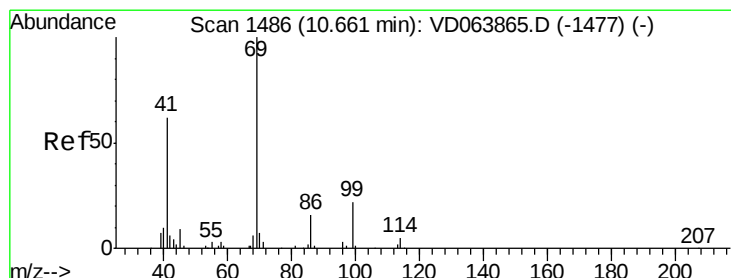
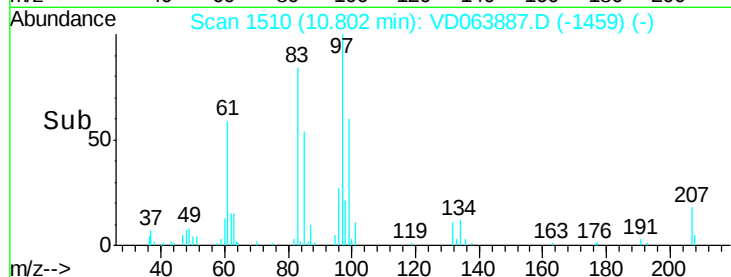
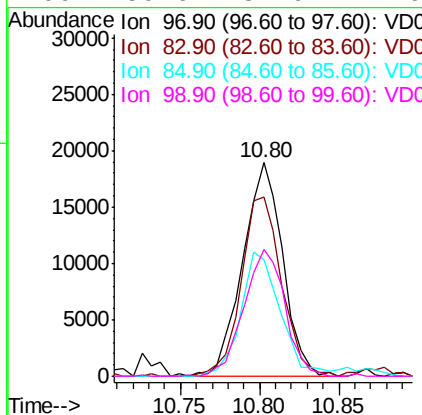
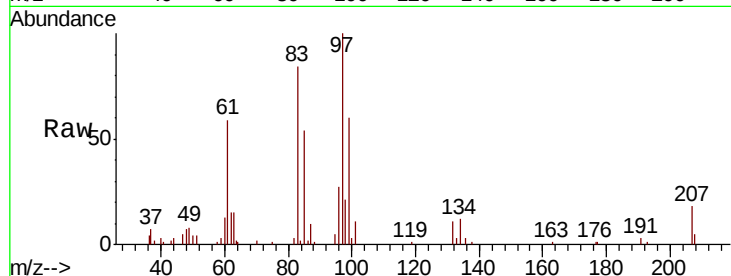
#55  
 1,1,2-Trichloroethane  
 Concen: 20.670 ug/l  
 RT: 10.80 min Scan# 1510  
 Delta R.T. -0.00 min  
 Lab File: VD063887.D  
 Acq: 04 Oct 2019 15:06

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1004SBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 33173 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 84.0  | 69.7  | 104.5 |
| 85       | 54.3  | 48.1  | 72.1  |
| 99       | 59.6  | 51.9  | 77.9  |

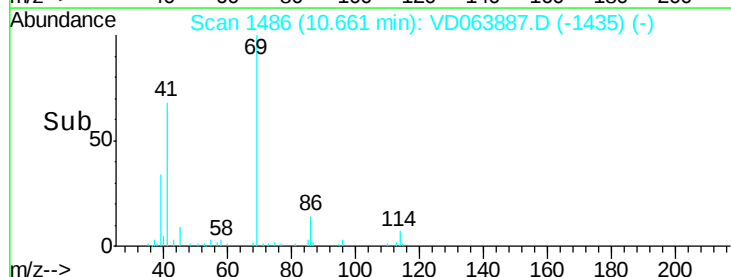
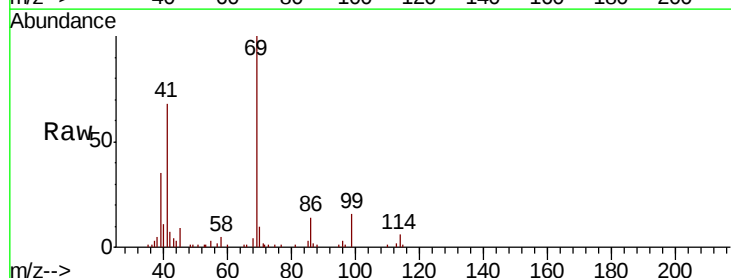
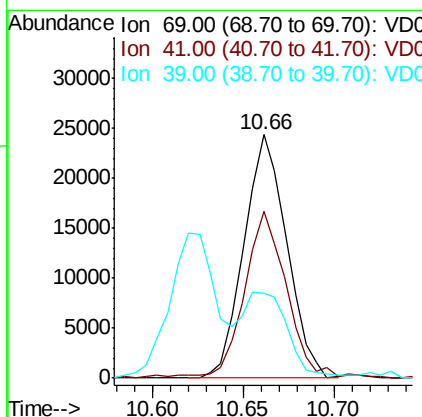
Manual Integrations  
 APPROVED

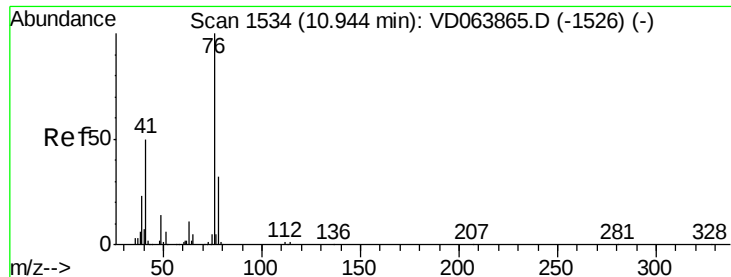
MMDadoda  
 10/8/2019 3:11:31 PM



#56  
 Ethyl methacrylate  
 Concen: 19.686 ug/l  
 RT: 10.66 min Scan# 1486  
 Delta R.T. -0.00 min  
 Lab File: VD063887.D  
 Acq: 04 Oct 2019 15:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 40010 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 68.0  | 51.3  | 76.9  |
| 39       | 37.3  | 28.0  | 42.0  |





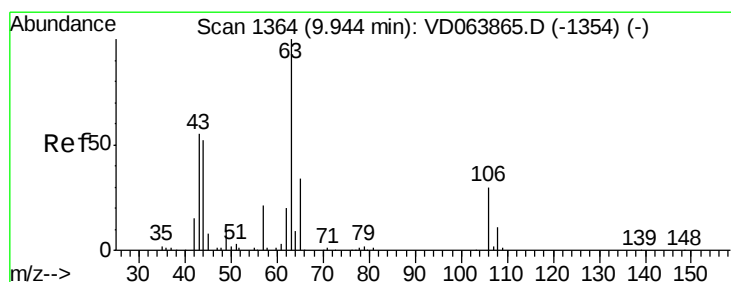
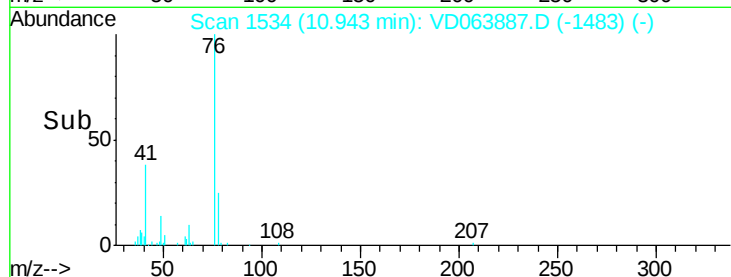
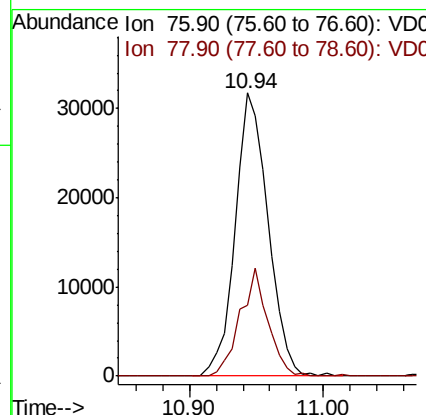
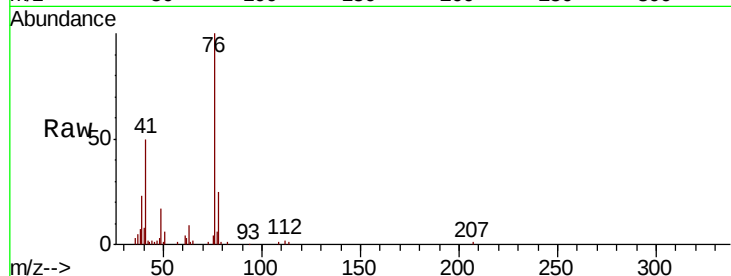
#57  
 1,3-Dichloropropane  
 Concen: 19.787 ug/l  
 RT: 10.94 min Scan# 1534  
 Delta R.T. -0.00 min  
 Lab File: VD063887.D  
 Acq: 04 Oct 2019 15:06

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1004SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.1  | 26.6  | 40.0  |

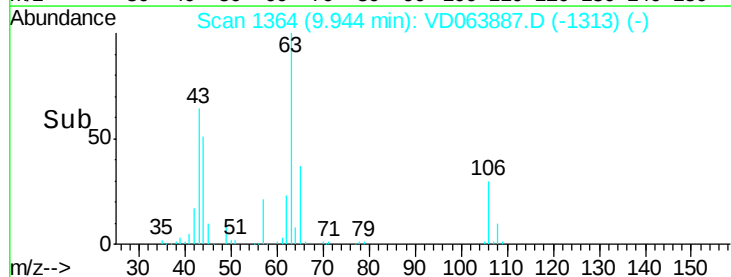
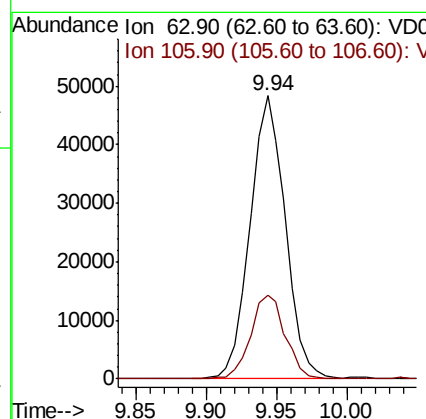
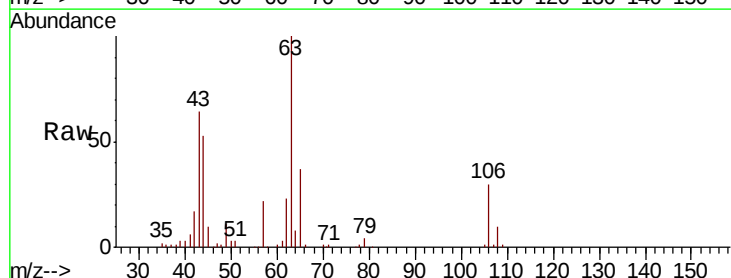
Manual Integrations  
 APPROVED

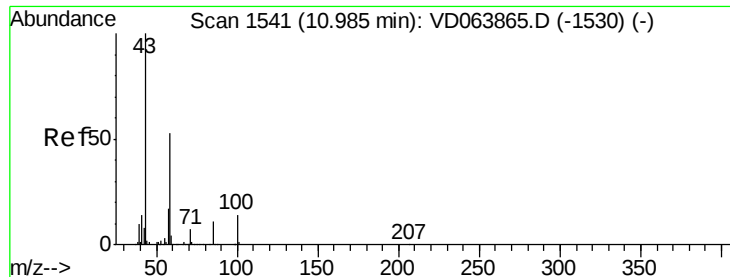
MMDadoda  
 10/8/2019 3:11:31 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 97.048 ug/l  
 RT: 9.94 min Scan# 1364  
 Delta R.T. -0.00 min  
 Lab File: VD063887.D  
 Acq: 04 Oct 2019 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 28.8  | 24.3  | 36.5  |





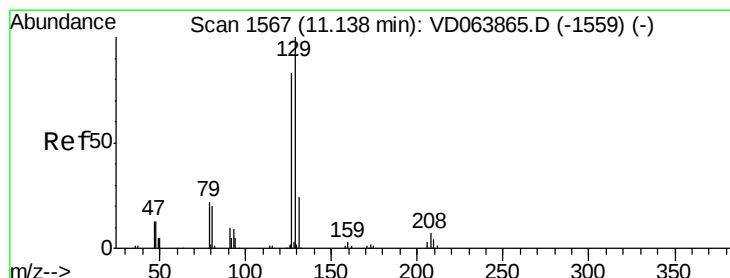
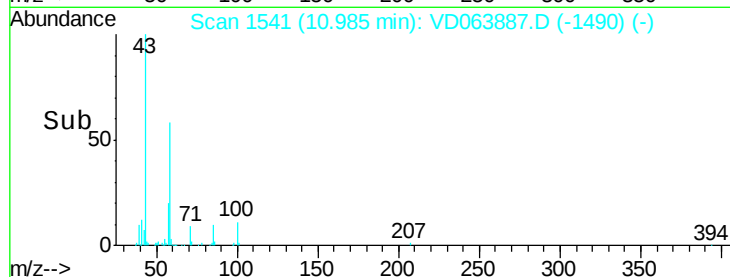
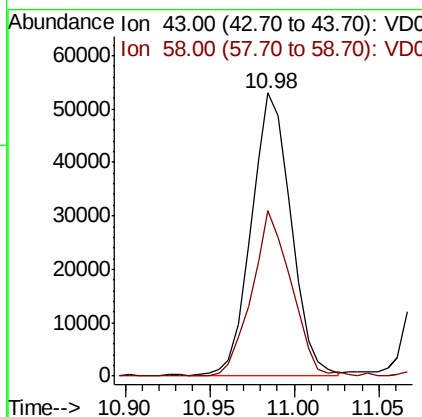
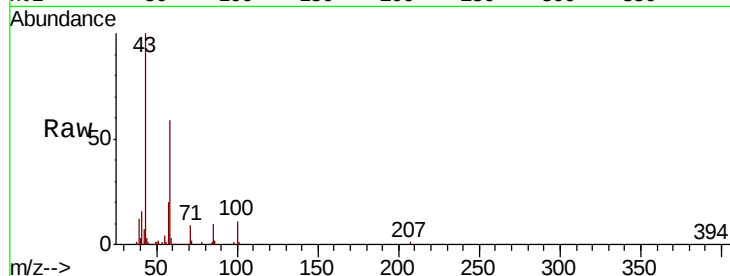
#59  
2-Hexanone  
Concen: 96.189 ug/l  
RT: 10.98 min Scan# 1541  
Delta R.T. -0.00 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1004SBSD01

Tot Ion: 43 Resp: 86110  
Ion Ratio Lower Upper  
43 100  
58 58.2 27.7 83.0

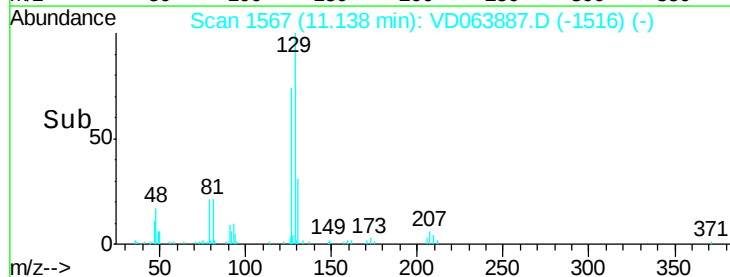
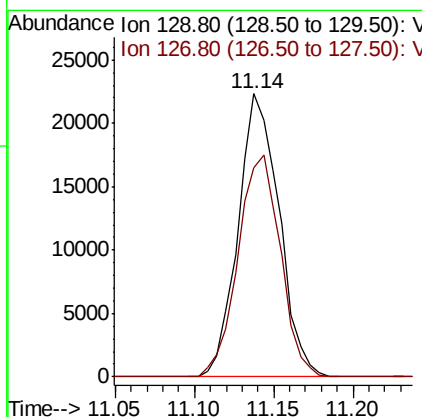
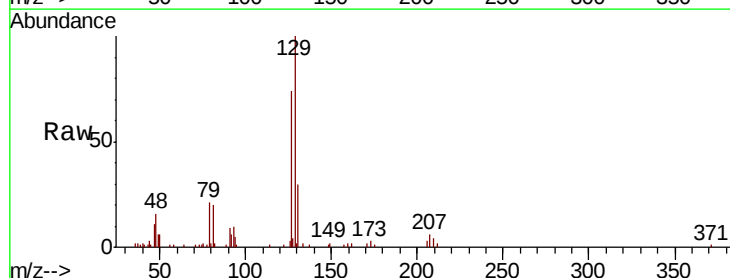
Manual Integrations  
APPROVED

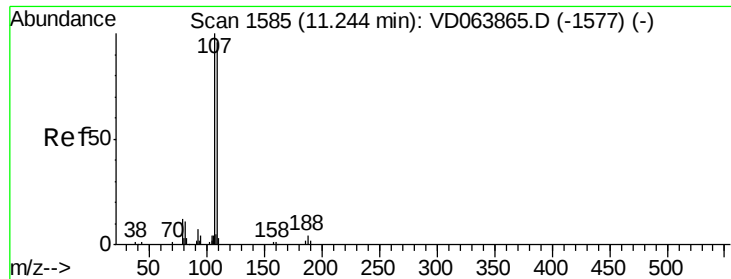
MMDadoda  
10/8/2019 3:11:31 PM



#60  
Dibromochloromethane  
Concen: 19.205 ug/l  
RT: 11.14 min Scan# 1567  
Delta R.T. -0.00 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

Tgt Ion: 129 Resp: 40127  
Ion Ratio Lower Upper  
129 100  
127 80.9 39.9 119.6





#61

1,2-Dibromoethane

Concen: 21.332 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1004SBSD01

Tot Ion:107 Resp: 33190

Ion Ratio Lower Upper

107 100

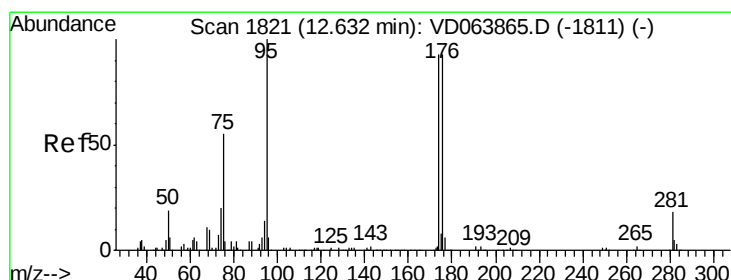
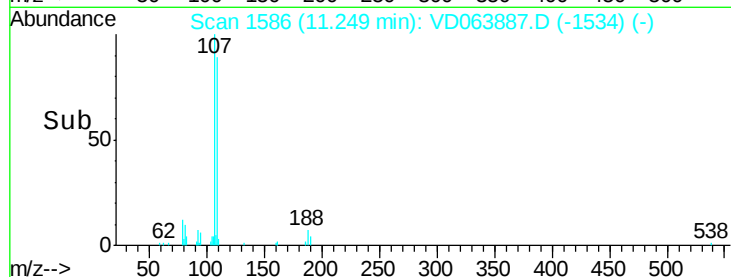
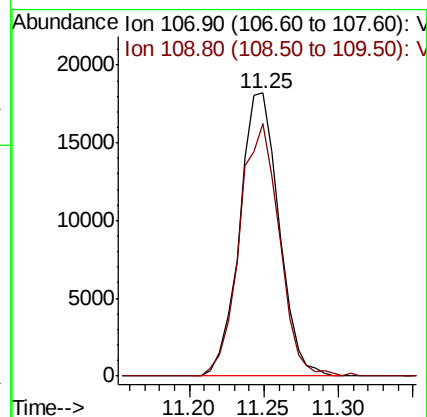
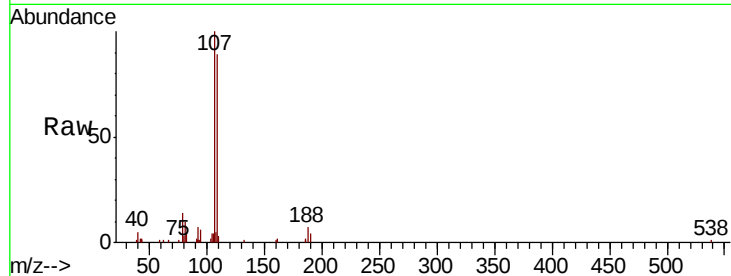
109 90.3 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

10/8/2019 3:11:31 PM



#62

4-Bromofluorobenzene

Concen: 47.571 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

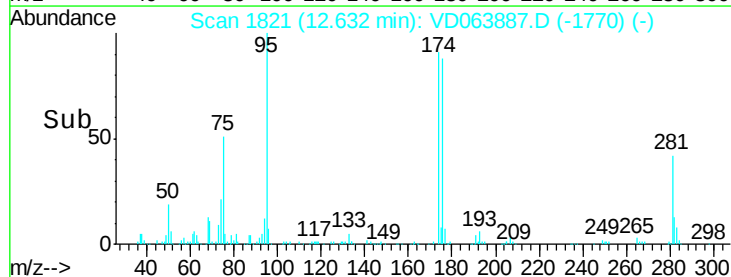
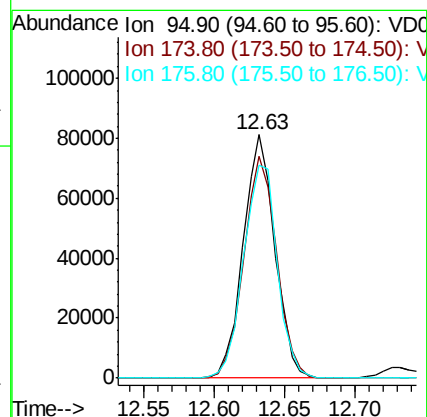
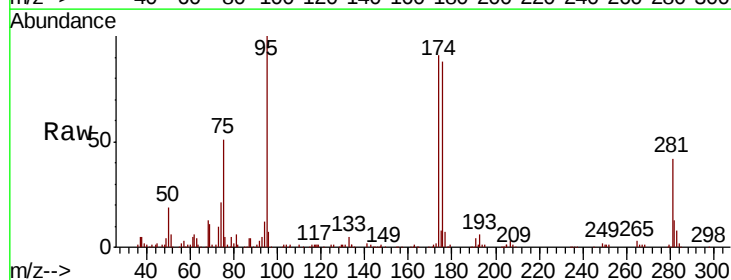
Tgt Ion: 95 Resp: 127607

Ion Ratio Lower Upper

95 100

174 94.4 0.0 186.4

176 93.3 0.0 184.2





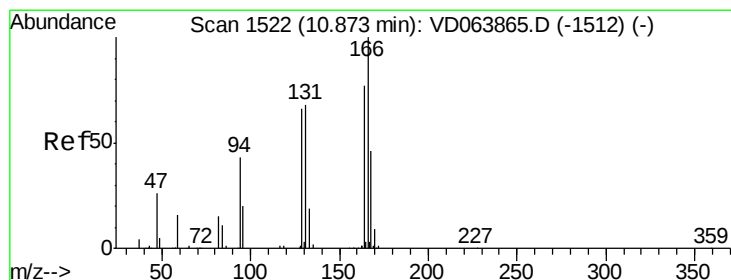
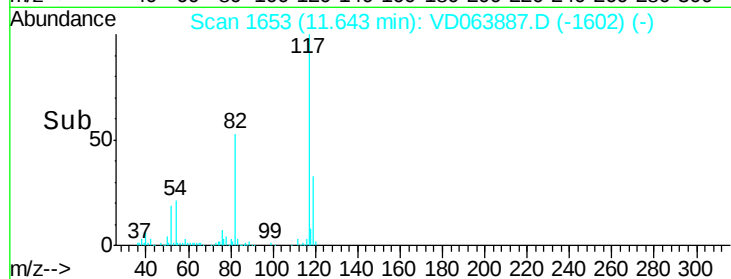
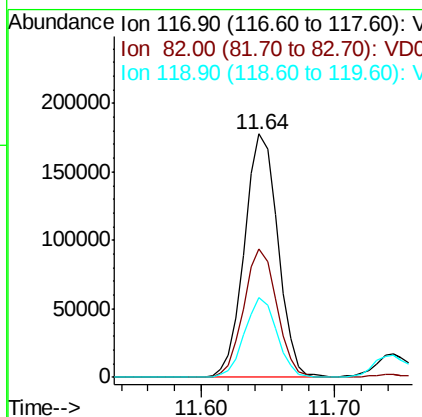
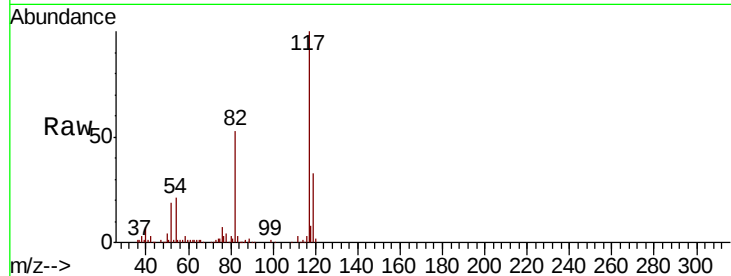
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. -0.00 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1004SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.8  | 42.8  | 64.2  |
| 119     | 32.8  | 24.4  | 36.6  |

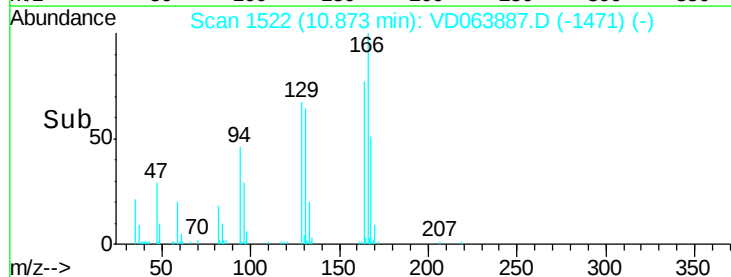
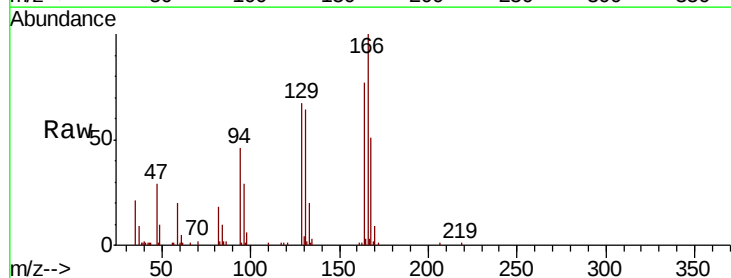
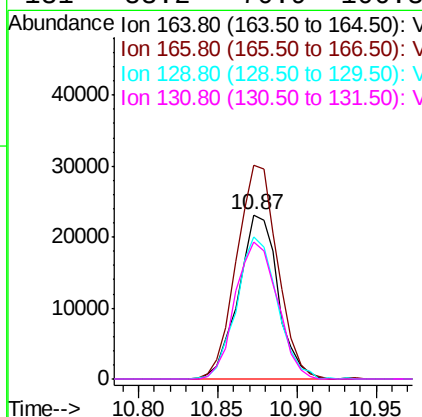
Manual Integrations  
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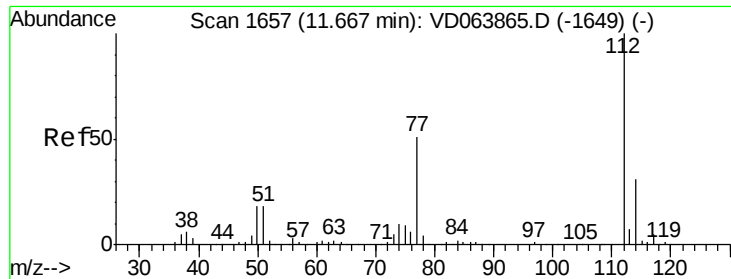
MMDadoda  
10/8/2019 3:11:31 PM



#64  
Tetrachloroethene  
Concen: 19.103 ug/l  
RT: 10.87 min Scan# 1522  
Delta R.T. -0.00 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 130.0 | 103.8 | 155.6 |
| 129     | 86.8  | 68.9  | 103.3 |
| 131     | 83.2  | 70.9  | 106.3 |





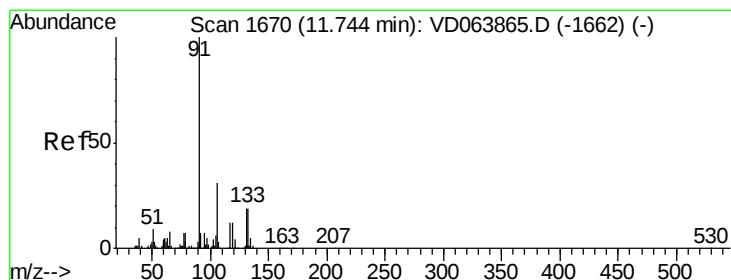
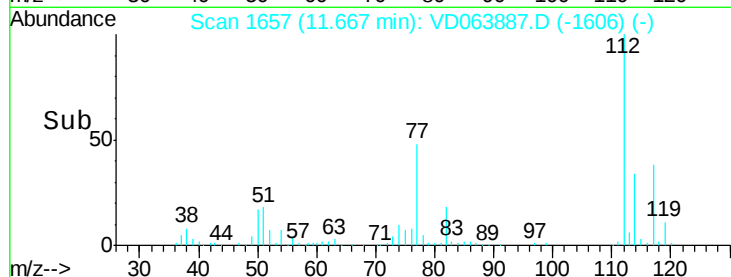
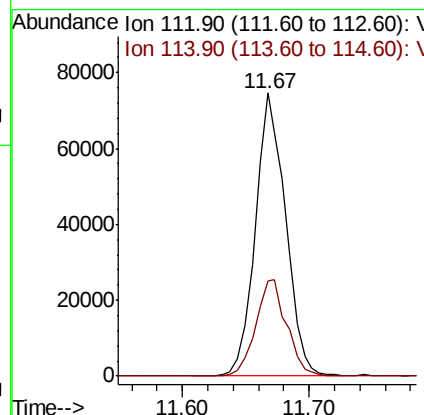
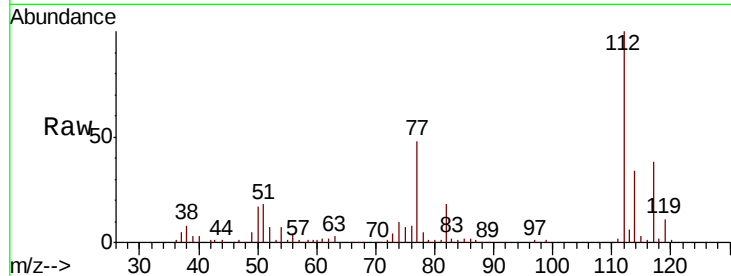
#65  
Chlorobenzene  
Concen: 20.040 ug/l  
RT: 11.67 min Scan# 1657  
Delta R.T. -0.00 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1004SBSD01

Tot Ion:112 Resp: 123876  
Ion Ratio Lower Upper  
112 100  
114 33.7 25.1 37.7

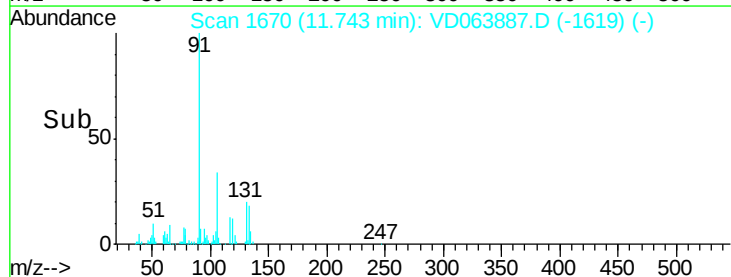
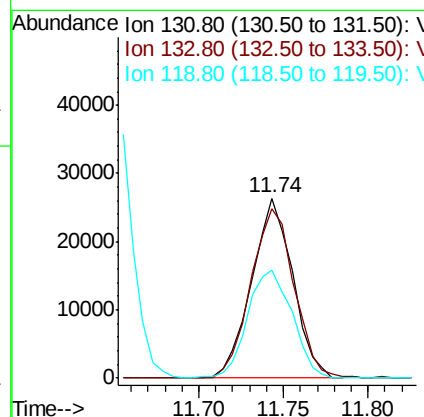
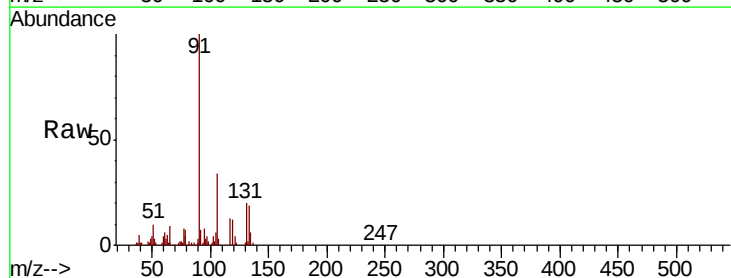
Manual Integrations  
APPROVED

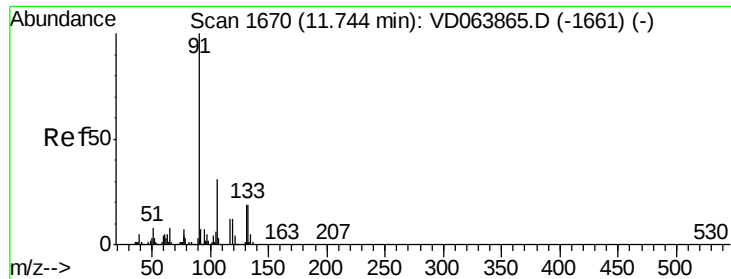
MMDadoda  
10/8/2019 3:11:31 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.502 ug/l  
RT: 11.74 min Scan# 1670  
Delta R.T. -0.00 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

Tgt Ion:131 Resp: 44419  
Ion Ratio Lower Upper  
131 100  
133 99.6 48.9 146.7  
119 65.2 32.6 97.8





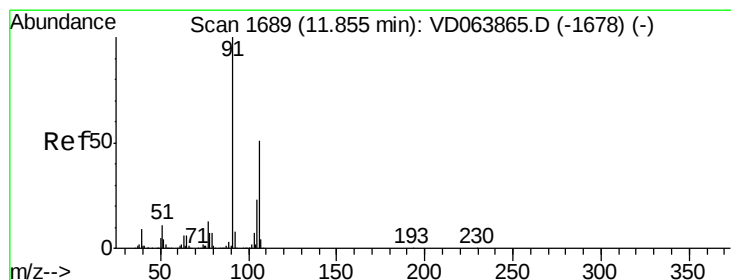
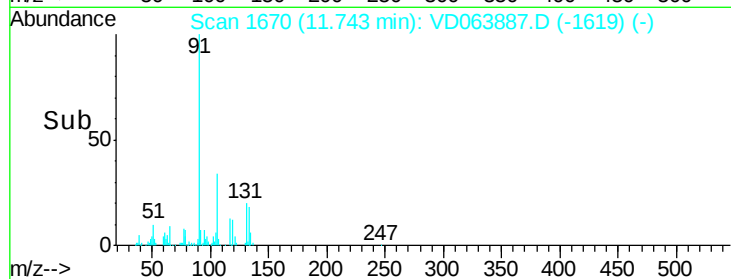
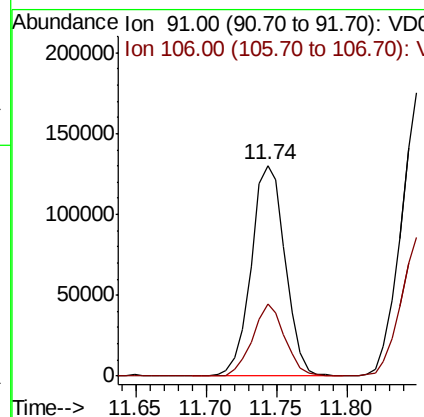
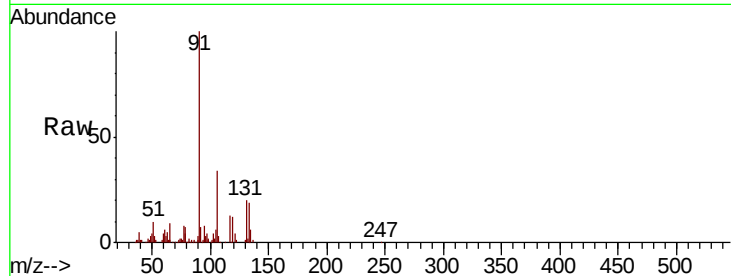
#67  
Ethyl Benzene  
Concen: 19.736 ug/l  
RT: 11.74 min Scan# 1670  
Delta R.T. -0.00 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1004SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 34.3  | 24.6  | 37.0  |

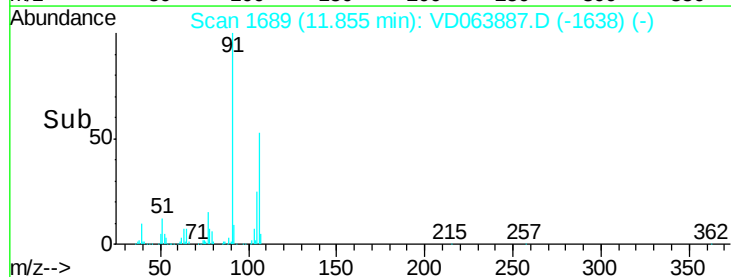
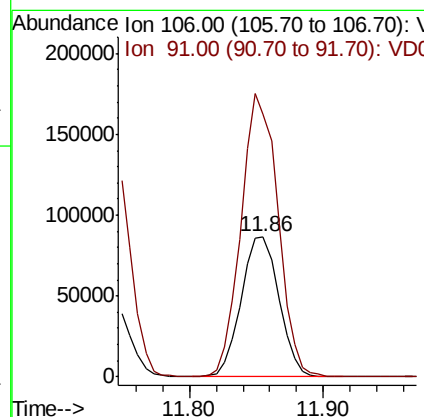
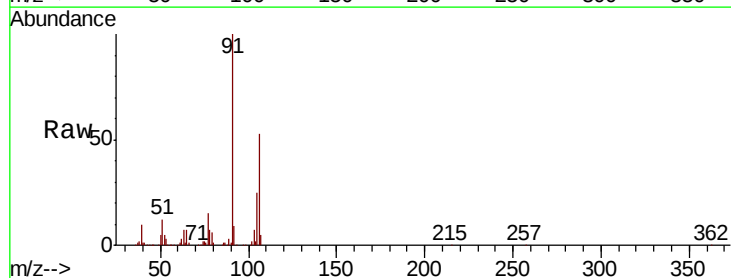
Manual Integrations  
APPROVED

MMDadoda  
10/8/2019 3:11:31 PM



#68  
m/p-Xylenes  
Concen: 39.691 ug/l  
RT: 11.86 min Scan# 1689  
Delta R.T. -0.00 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 196.5 | 154.8 | 232.2 |





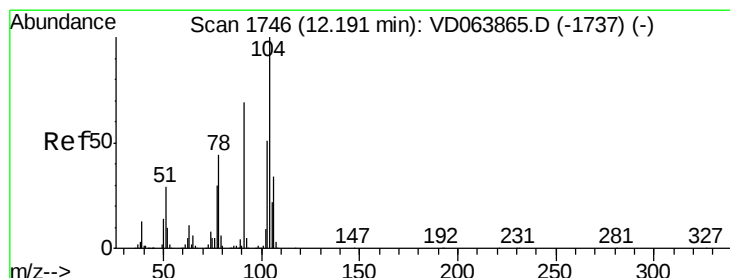
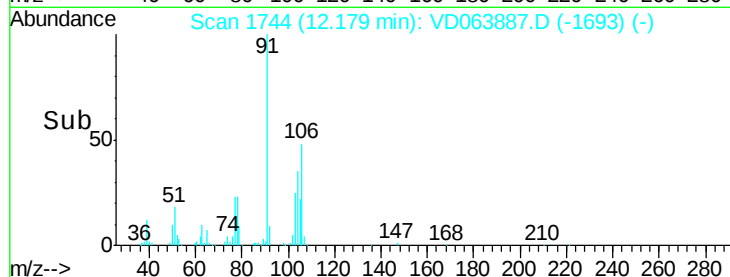
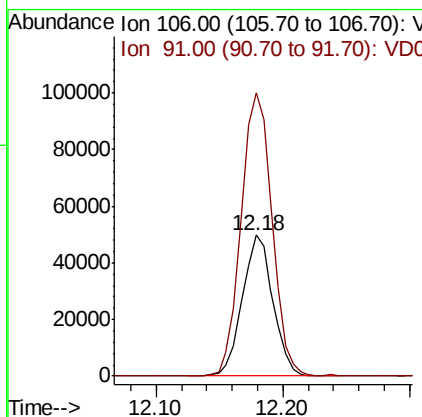
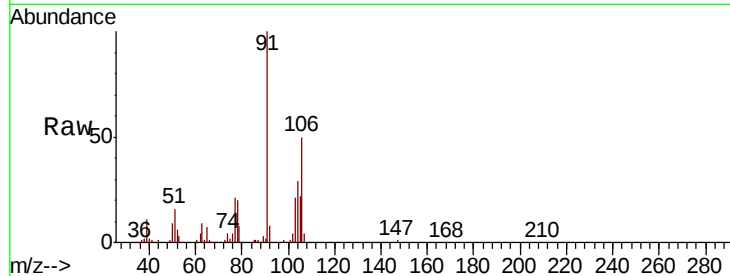
#69  
o-Xylene  
Concen: 20.243 ug/l  
RT: 12.18 min Scan# 1744  
Delta R.T. -0.00 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1004SBSD01

Tot Ion:106 Resp: 83391  
Ion Ratio Lower Upper  
106 100  
91 203.3 103.9 311.7

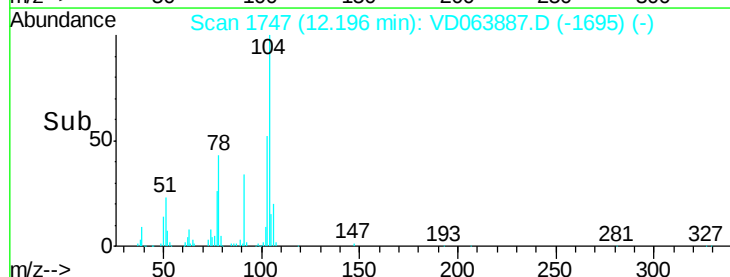
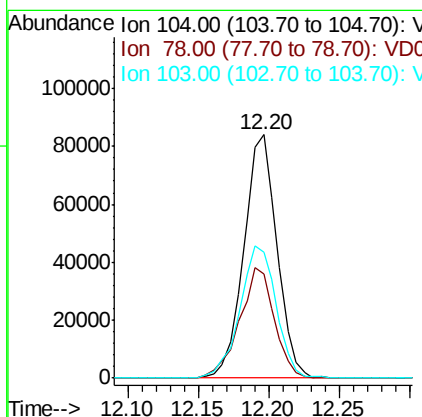
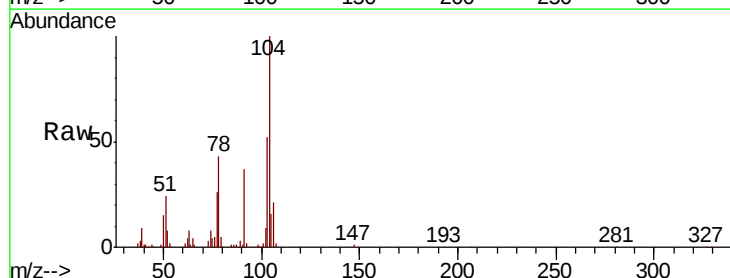
Manual Integrations  
APPROVED

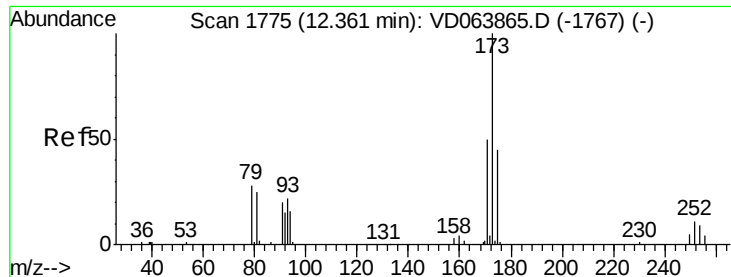
MMDadoda  
10/8/2019 3:11:31 PM



#70  
Styrene  
Concen: 19.804 ug/l  
RT: 12.20 min Scan# 1747  
Delta R.T. 0.01 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

Tgt Ion:104 Resp: 138105  
Ion Ratio Lower Upper  
104 100  
78 47.6 37.0 55.4  
103 59.5 44.2 66.4





#71

Bromoform

Concen: 20.838 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA\_D

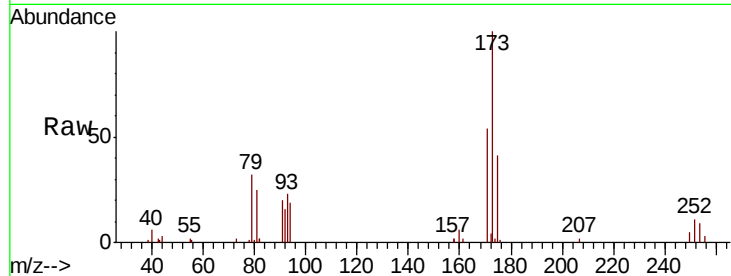
ClientSampleId :

VD1004SBSD01

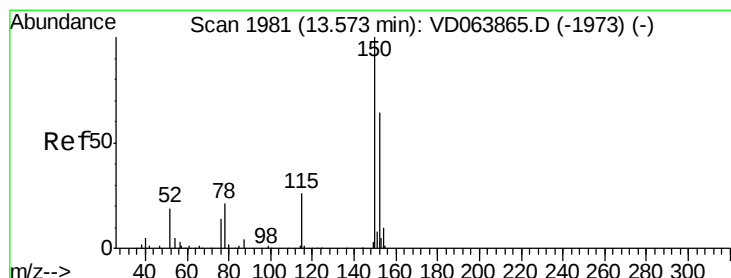
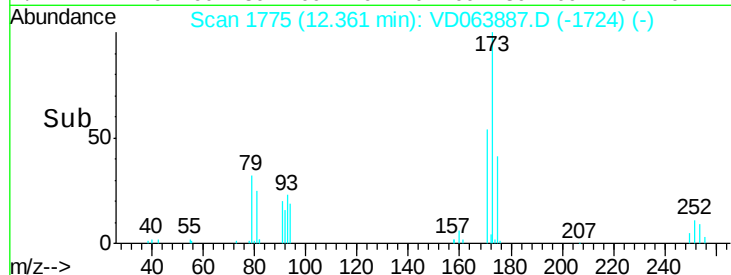
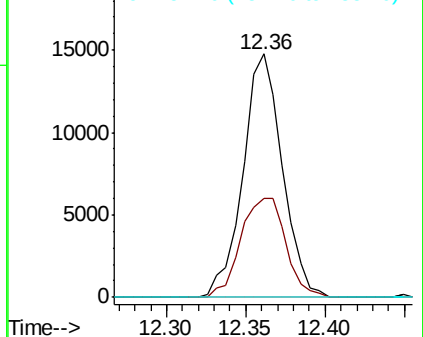
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 173   | Resp: | 25472 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 46.7  | 24.6  | 74.0  |
| 254       | 0.0   | 0.0   | 0.0   |

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

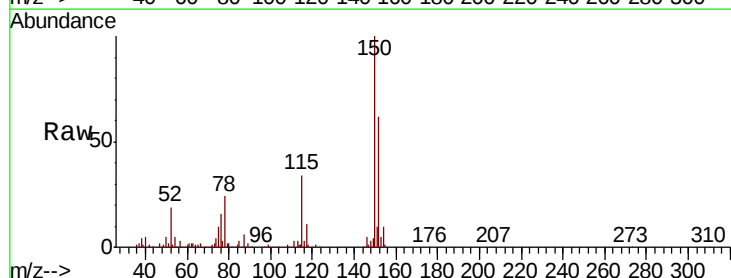
RT: 13.57 min Scan# 1981

Delta R.T. -0.00 min

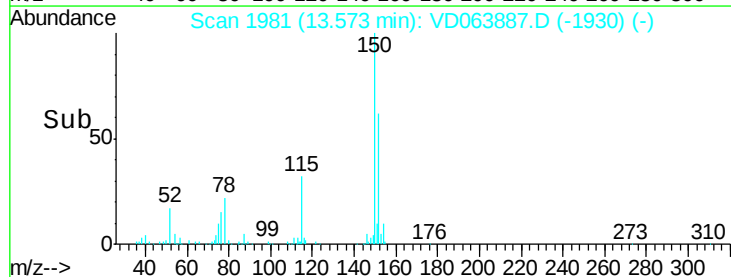
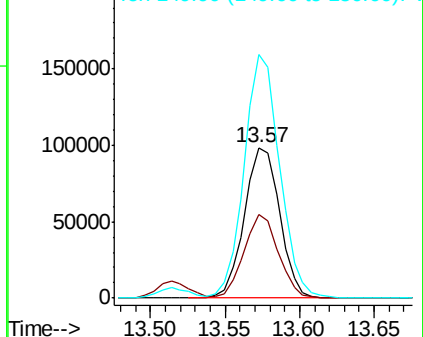
Lab File: VD063887.D

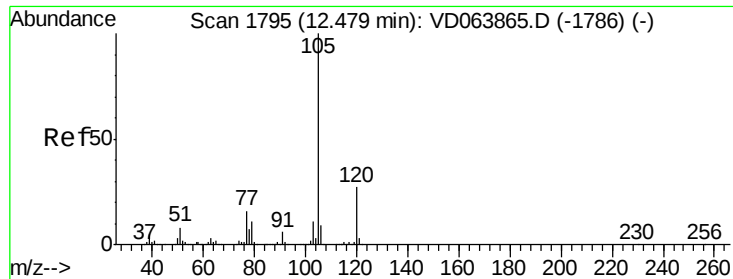
Acq: 04 Oct 2019 15:06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 161667 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 54.2  | 25.9  | 77.7   |
| 150       | 162.4 | 0.0   | 344.2  |



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





#73

Isopropylbenzene

Concen: 19.848 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1004SBS01

Tot Ion: 105 Resp: 215705

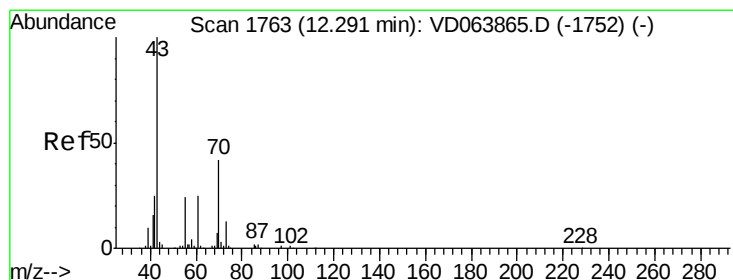
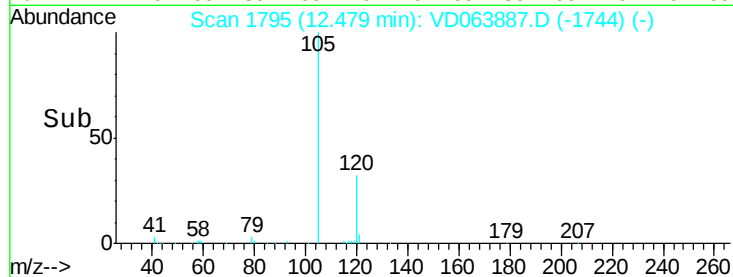
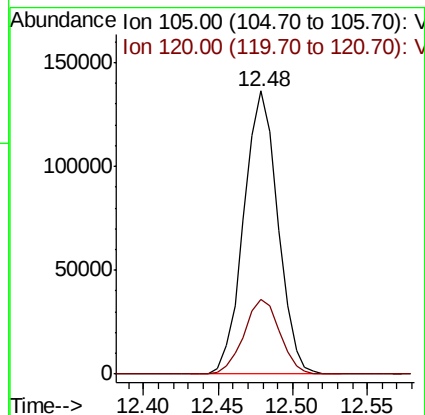
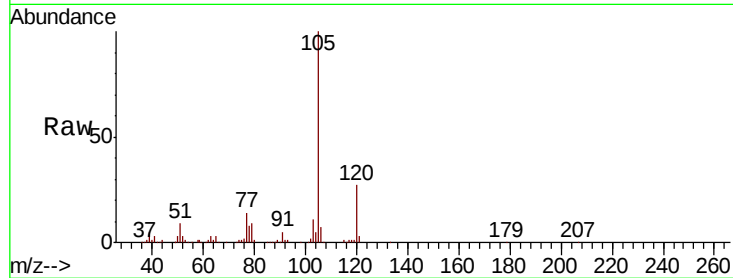
Ion Ratio Lower Upper

105 100

120 27.5 13.3 39.8

Manual Integrations  
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#74

N-ethyl acetate

Concen: 20.604 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Tgt Ion: 43 Resp: 48211

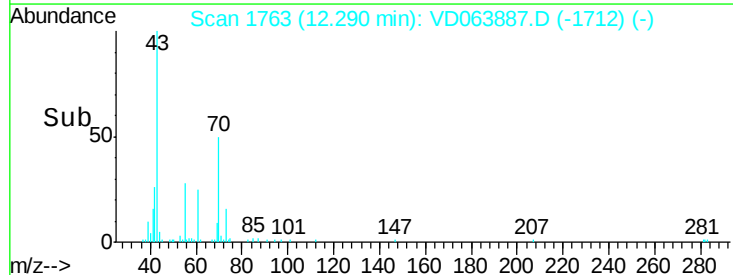
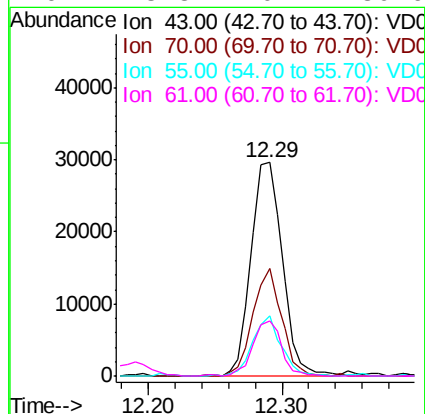
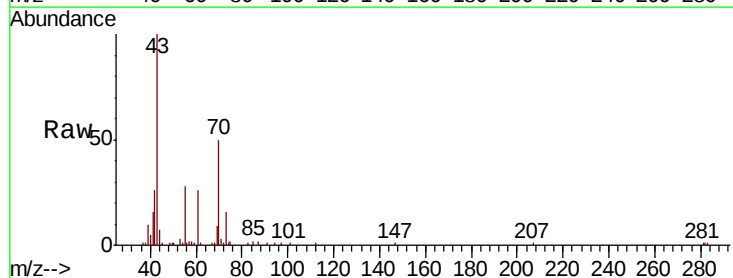
Ion Ratio Lower Upper

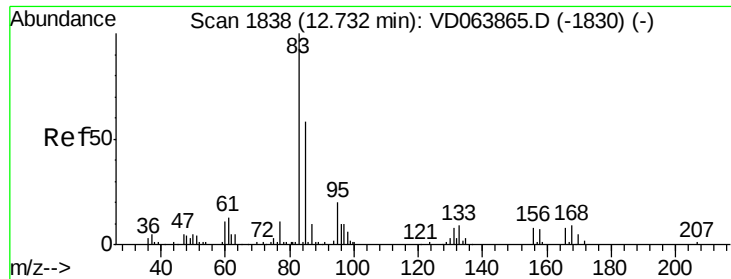
43 100

70 45.7 35.8 53.6

55 25.5 19.4 29.0

61 23.8 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.152 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA\_D

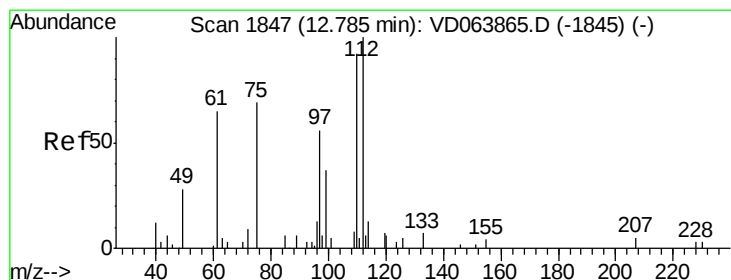
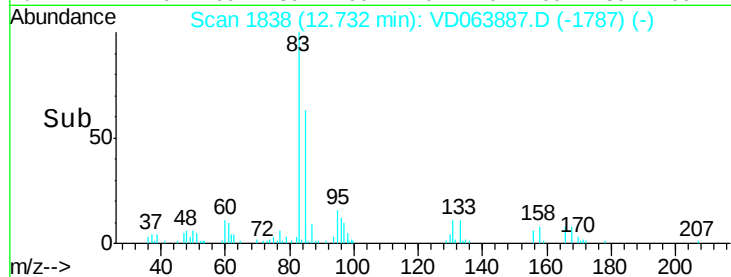
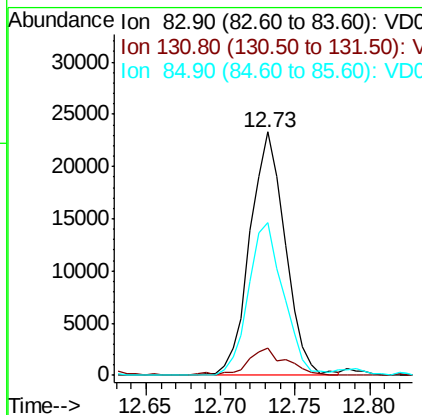
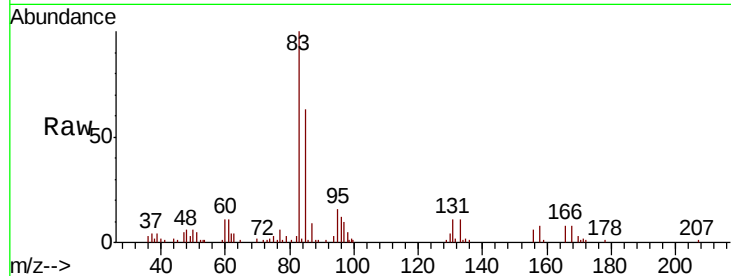
ClientSampleId :

VD1004SBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 38112 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 11.8  | 5.6   | 16.8  |
| 85        | 62.3  | 32.3  | 96.8  |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 25.958 ug/l m

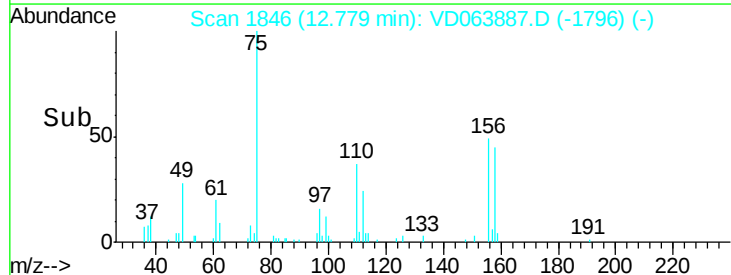
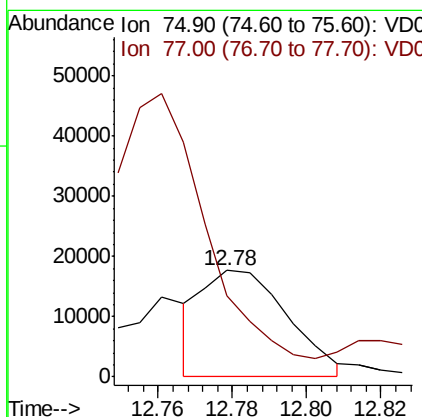
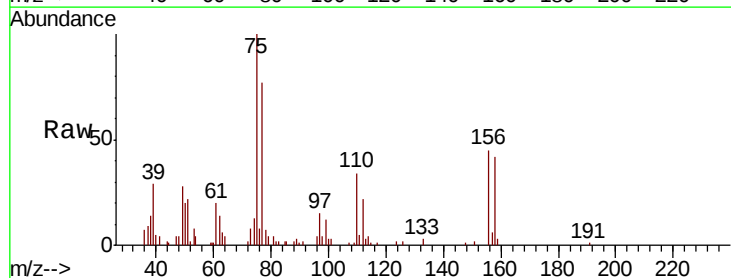
RT: 12.78 min Scan# 1846

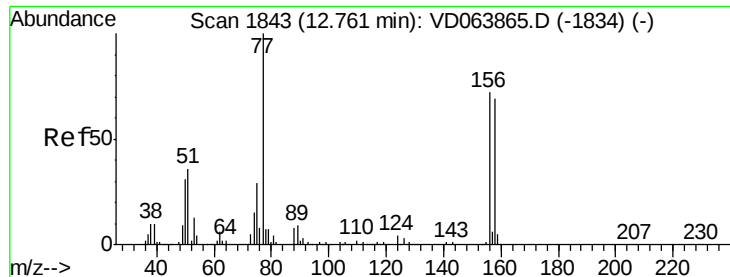
Delta R.T. -0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 28107 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 315.8 | 0.0   | 0.0#  |





#77

Bromobenzene

Concen: 19.713 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1004SBSD01

Tot Ion:156 Resp: 53378

Ion Ratio Lower Upper

156 100

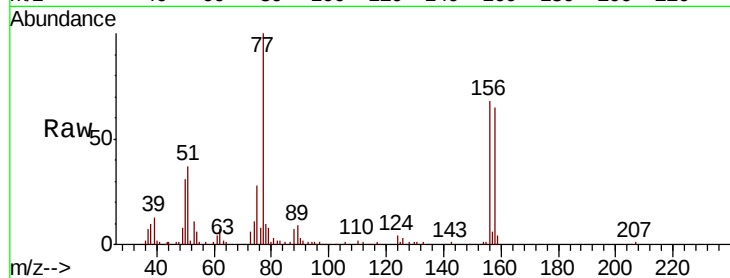
77 166.3 80.3 241.0

158 97.1 47.4 142.2

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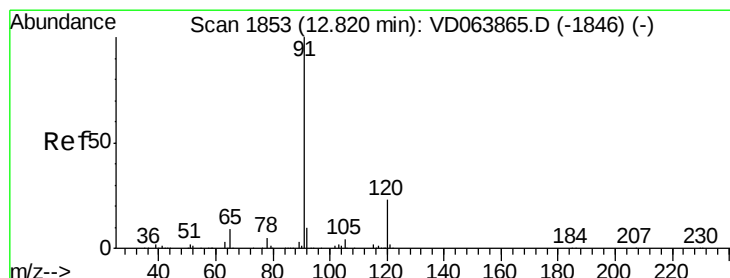
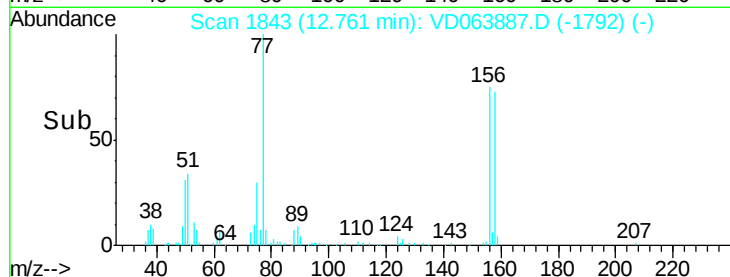
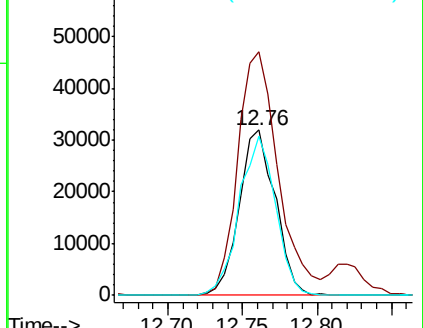
10/8/2019 3:11:31 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.310 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063887.D

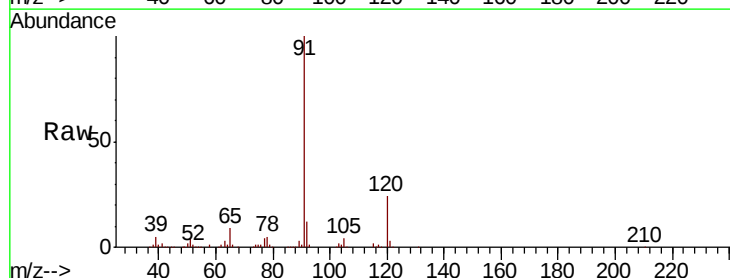
Acq: 04 Oct 2019 15:06

Tgt Ion: 91 Resp: 259094

Ion Ratio Lower Upper

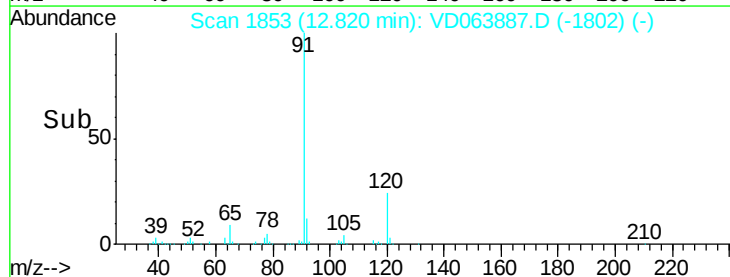
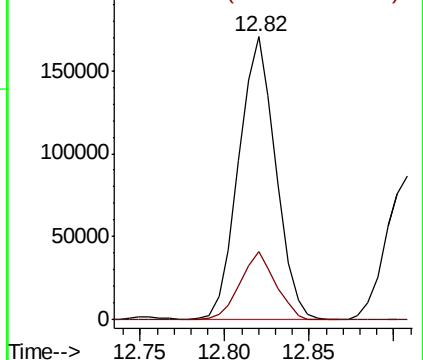
91 100

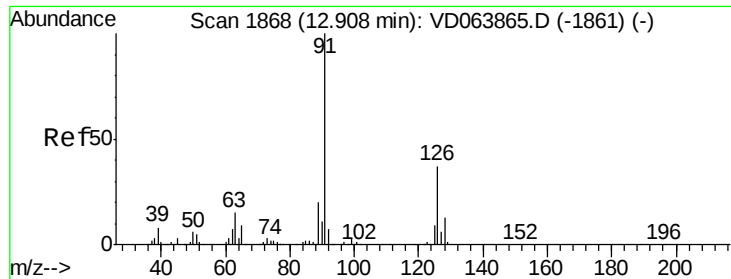
120 23.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.951 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1004SBSD01

Tot Ion: 91 Resp: 140334

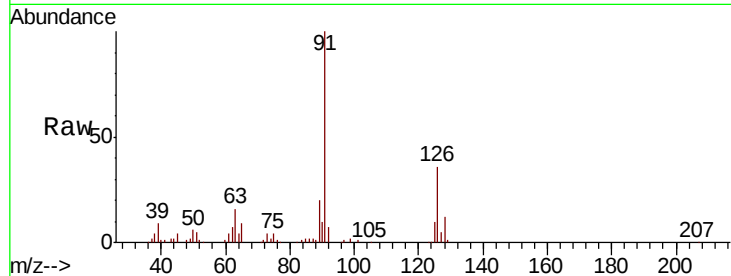
Ion Ratio Lower Upper

91 100

126 36.8 18.4 55.2

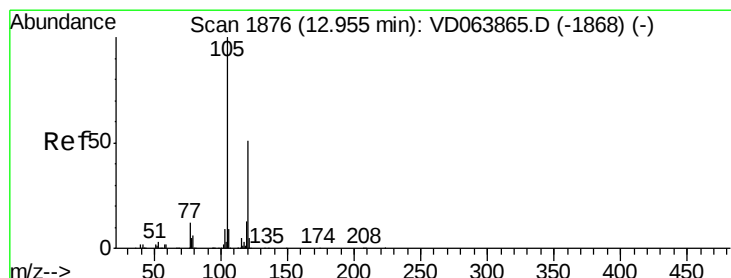
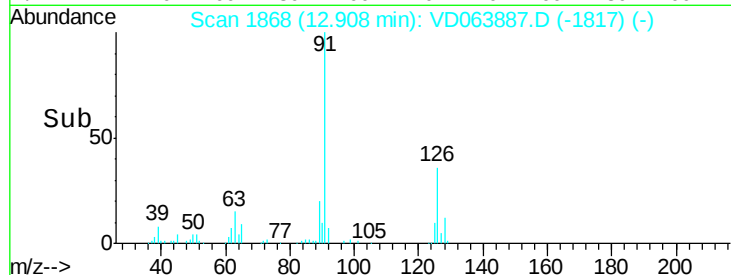
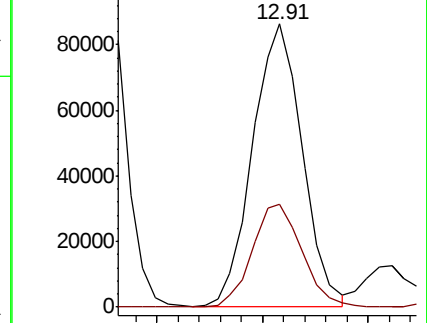
Manual Integrations  
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.777 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063887.D

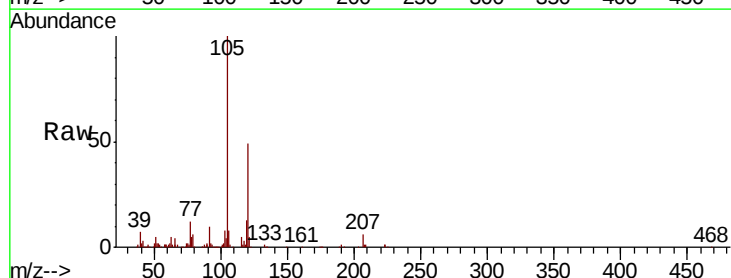
Acq: 04 Oct 2019 15:06

Tgt Ion: 105 Resp: 188382

Ion Ratio Lower Upper

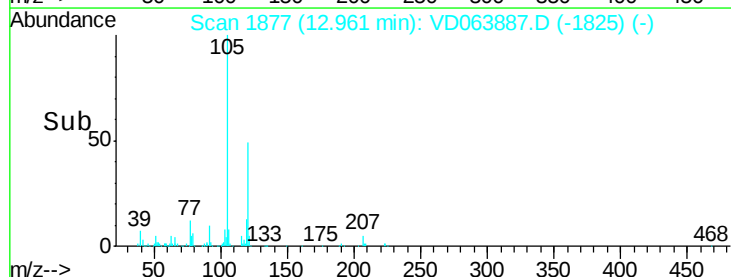
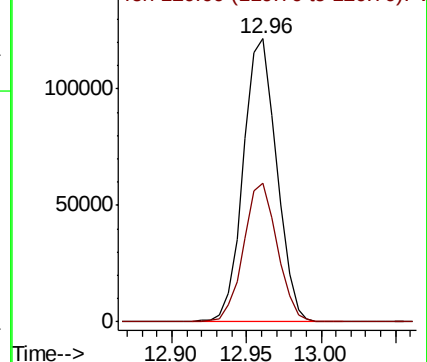
105 100

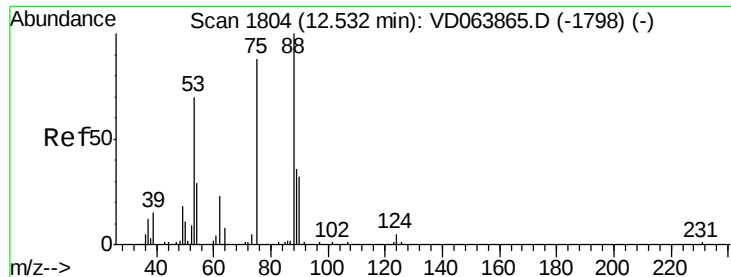
120 49.4 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





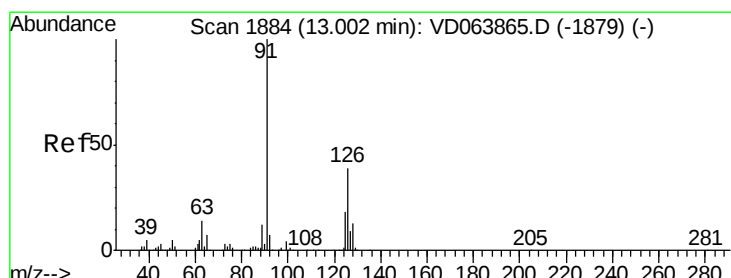
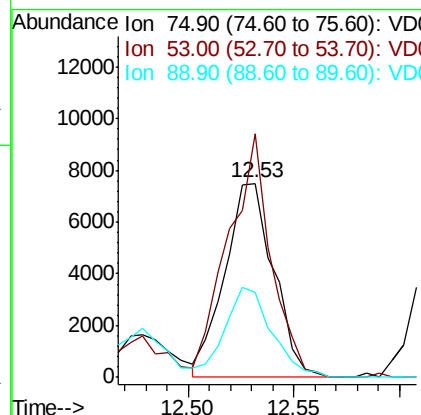
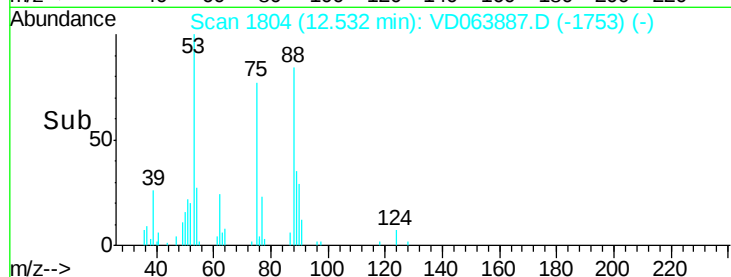
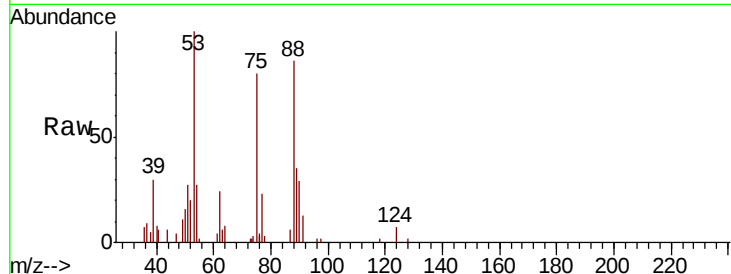
#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.557 ug/l  
RT: 12.53 min Scan# 1804  
Delta R.T. -0.00 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1004SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 110.6 | 75.0  | 112.6 |
| 89      | 44.6  | 38.2  | 57.4  |

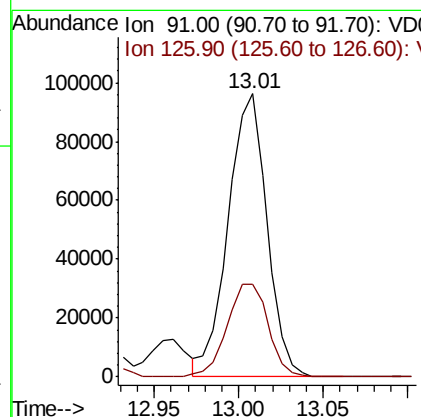
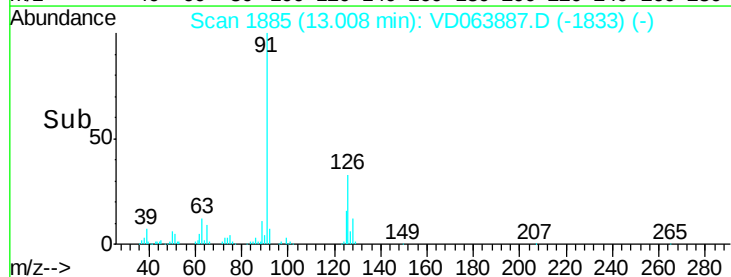
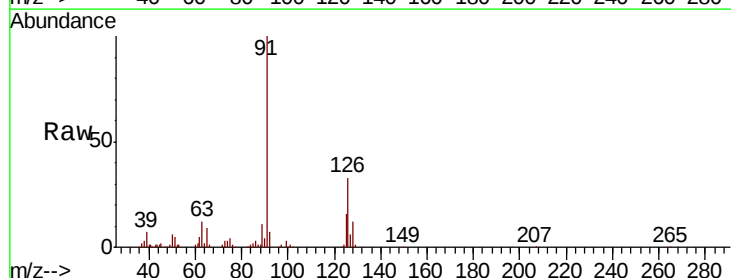
Manual Integrations  
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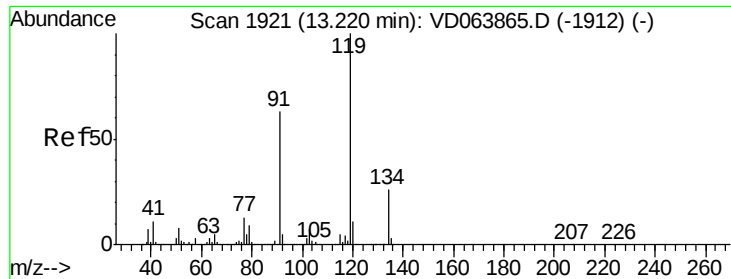
MMDadoda  
10/8/2019 3:11:31 PM



#82  
4-Chlorotoluene  
Concen: 20.583 ug/l  
RT: 13.01 min Scan# 1885  
Delta R.T. 0.01 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 34.8  | 18.6  | 55.8  |





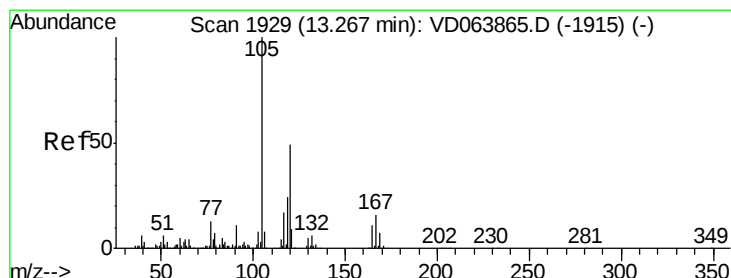
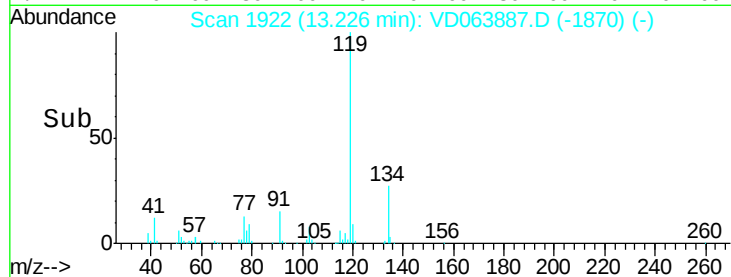
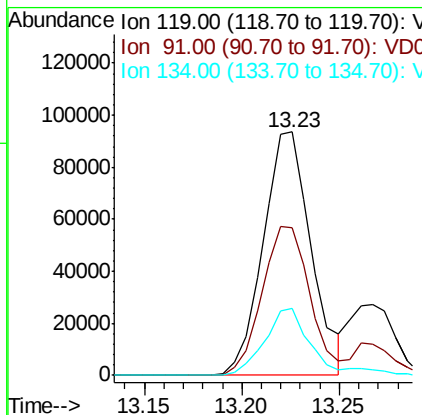
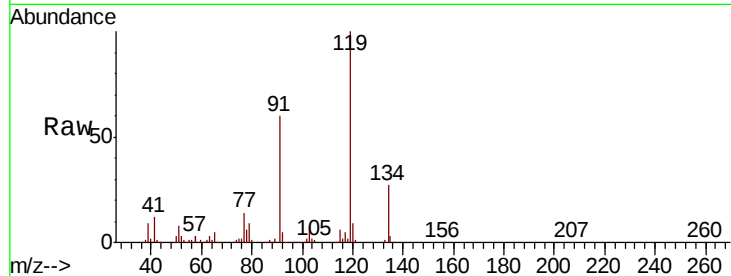
#83  
tert-Butylbenzene  
Concen: 19.762 ug/l  
RT: 13.23 min Scan# 1922  
Delta R.T. 0.01 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1004SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 60.8  | 30.0  | 90.0  |
| 134     | 27.3  | 13.0  | 38.9  |

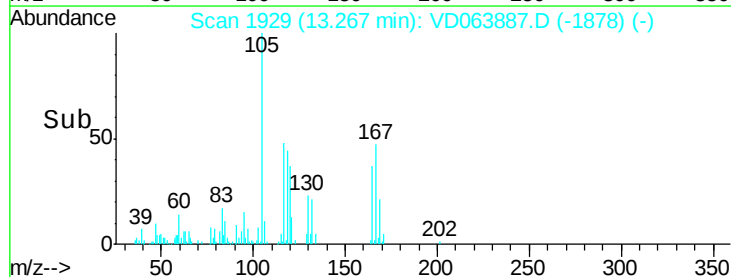
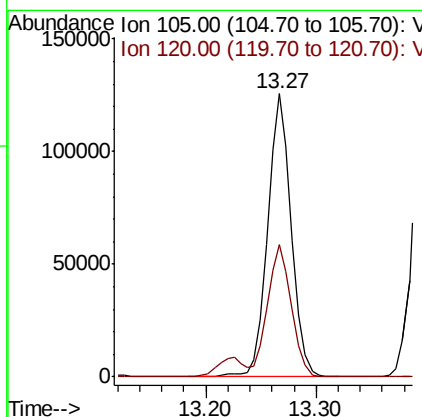
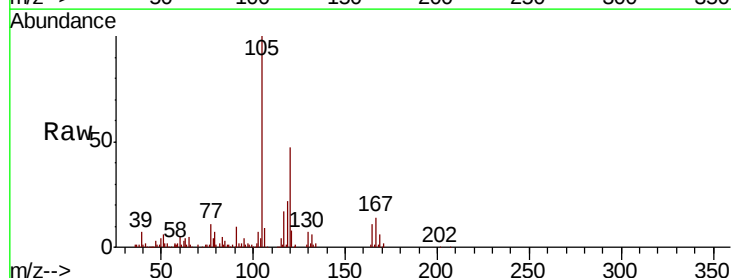
Manual Integrations  
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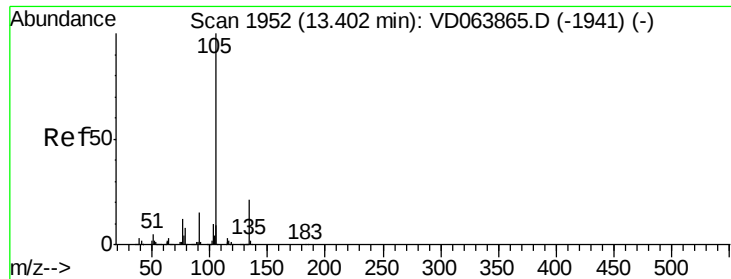
MMDadoda  
10/8/2019 3:11:31 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 19.982 ug/l  
RT: 13.27 min Scan# 1929  
Delta R.T. -0.00 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 47.5  | 23.8  | 71.5  |





#85

sec-Butylbenzene

Concen: 20.153 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA\_D

ClientSampleId :

VD1004SBS01

Tot Ion:105 Resp: 219615

Ion Ratio Lower Upper

105 100

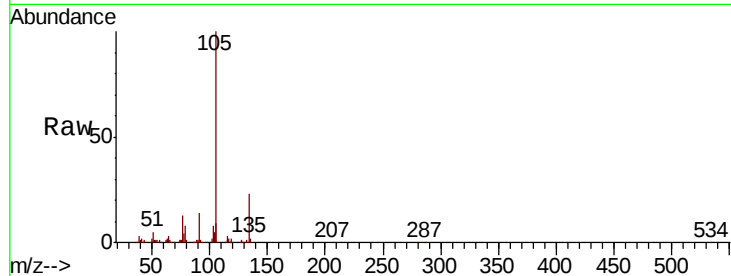
134 21.1 10.6 31.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

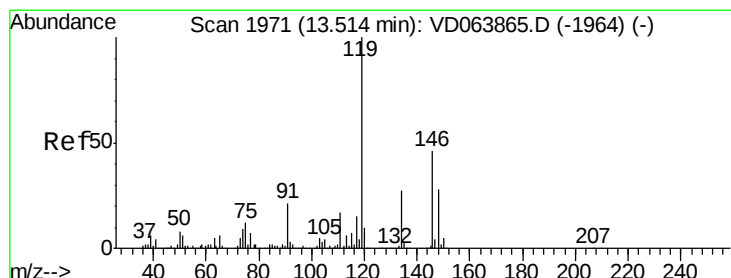
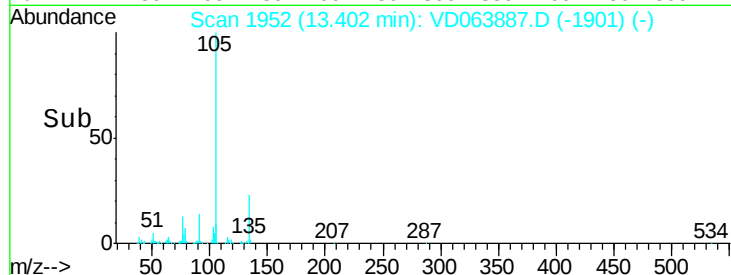
100000

50000

0

13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 19.753 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

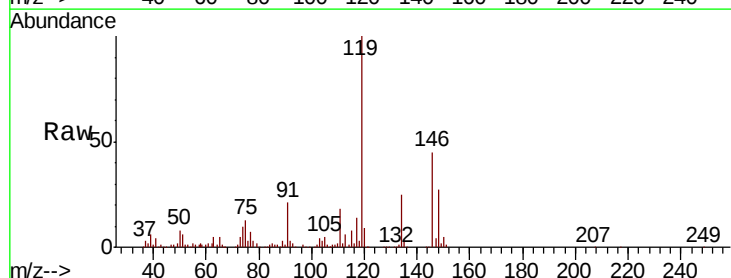
Tgt Ion:119 Resp: 203696

Ion Ratio Lower Upper

119 100

134 27.0 13.9 41.6

91 22.8 11.2 33.5



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

150000

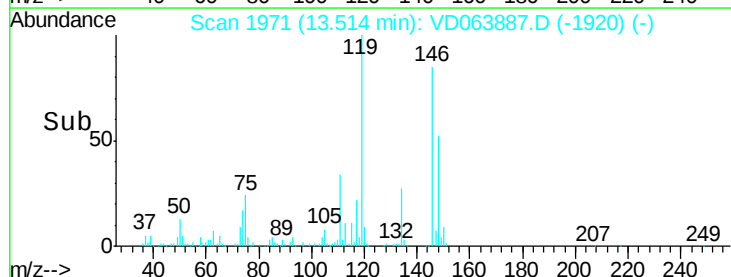
100000

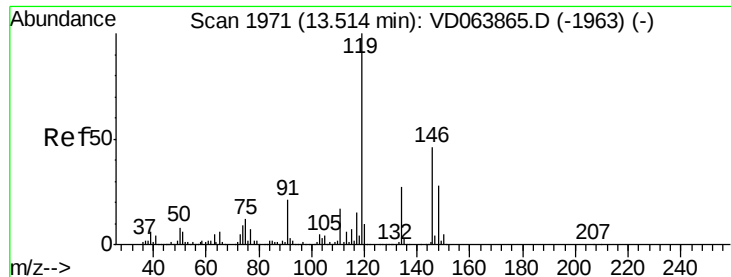
50000

0

13.45 13.50 13.55

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.431 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

Instrument :

MSVOA\_D

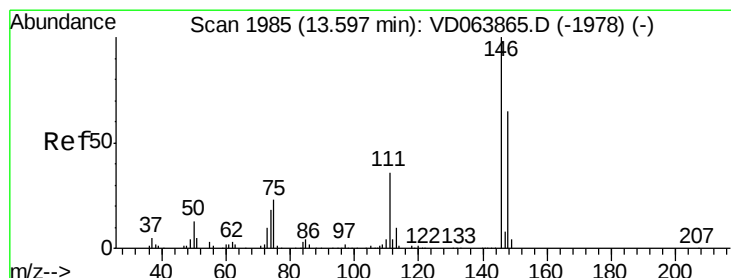
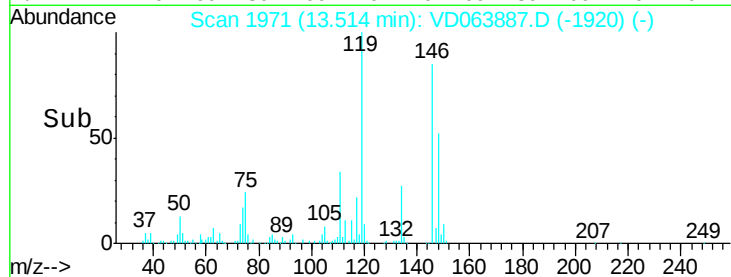
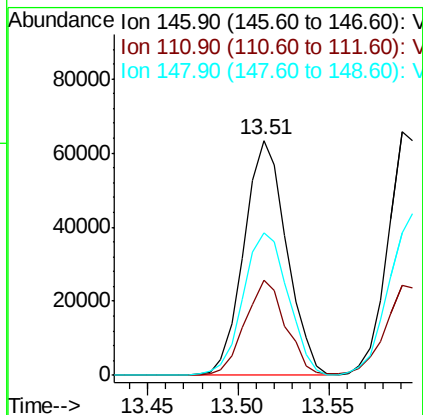
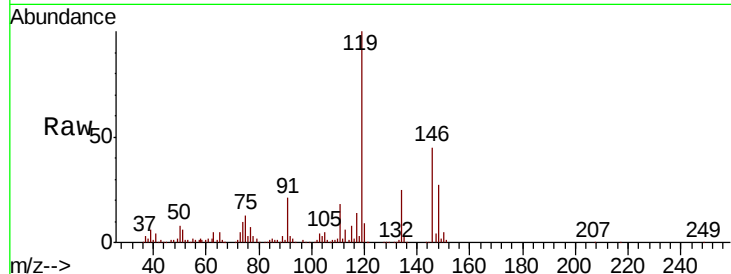
ClientSampleId :

VD1004SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 103960 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 38.6  | 18.3  | 54.9   |
| 148       | 63.7  | 31.8  | 95.4   |

Manual Integrations  
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#88

1,4-Dichlorobenzene

Concen: 20.078 ug/l

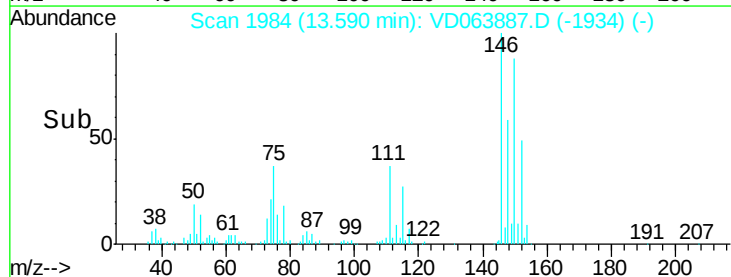
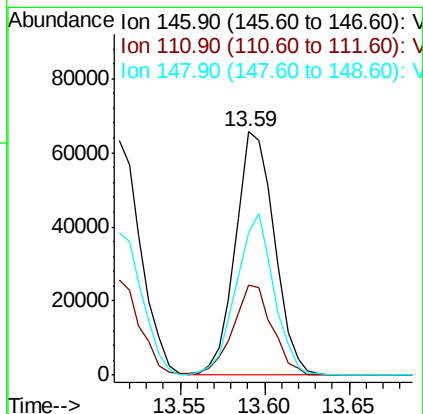
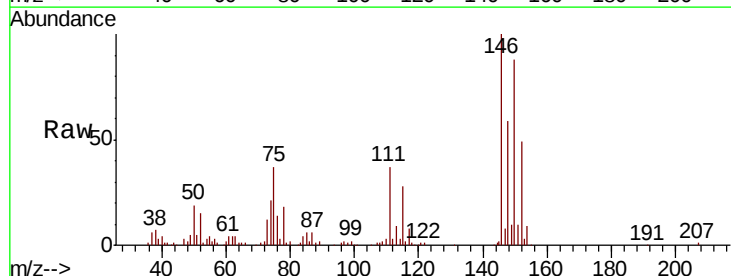
RT: 13.59 min Scan# 1984

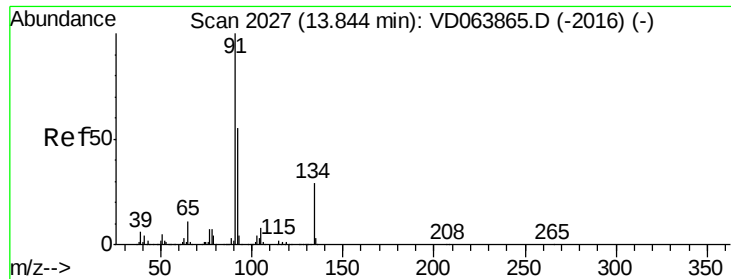
Delta R.T. -0.01 min

Lab File: VD063887.D

Acq: 04 Oct 2019 15:06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 105973 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 37.4  | 18.6  | 56.0   |
| 148       | 64.2  | 32.6  | 98.0   |





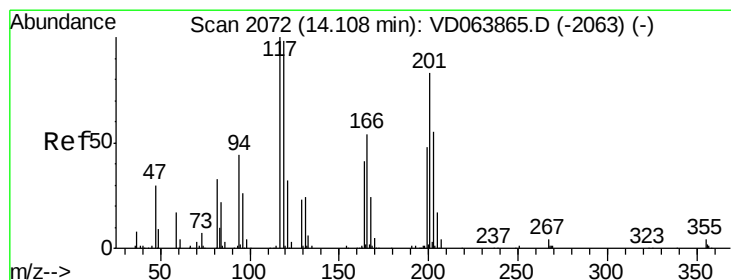
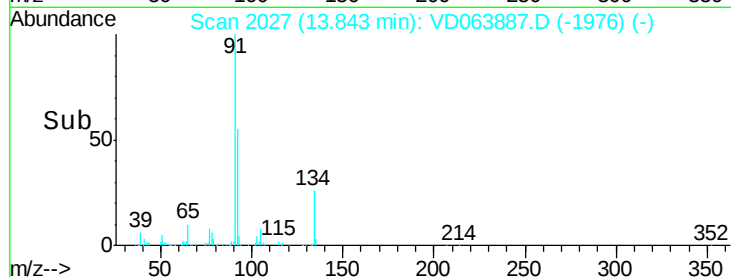
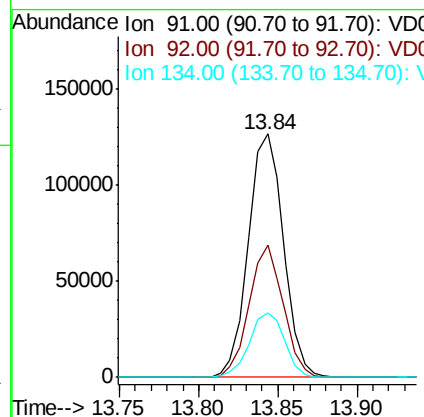
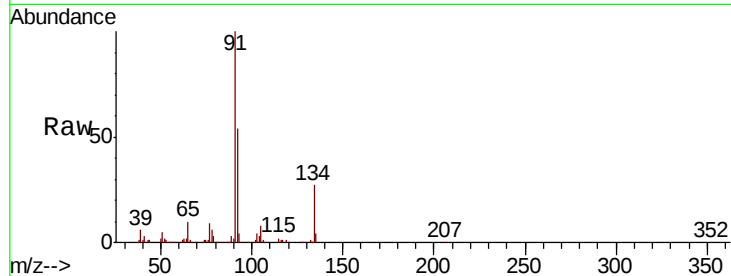
#89  
n-Butylbenzene  
Concen: 20.358 ug/l  
RT: 13.84 min Scan# 2027  
Delta R.T. -0.00 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1004SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.7  | 26.8  | 80.3  |
| 134     | 26.7  | 14.4  | 43.0  |

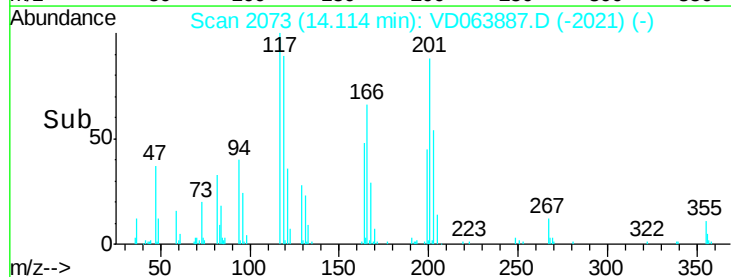
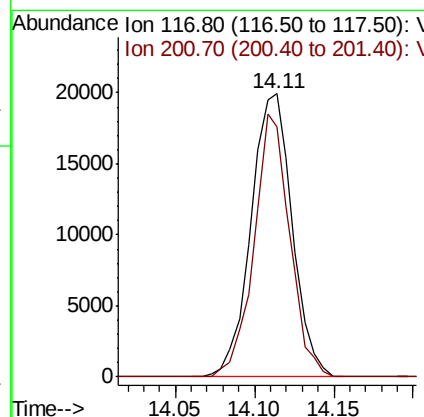
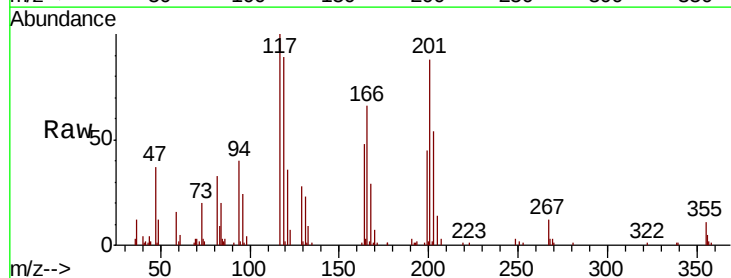
Manual Integrations  
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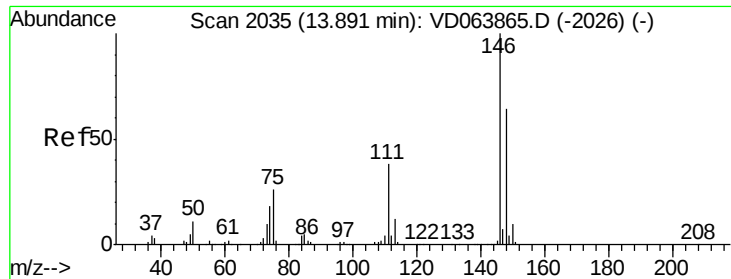
MMDadoda  
10/8/2019 3:11:31 PM



#90  
Hexachloroethane  
Concen: 19.401 ug/l  
RT: 14.11 min Scan# 2073  
Delta R.T. 0.01 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 80.4  | 40.6  | 121.7 |





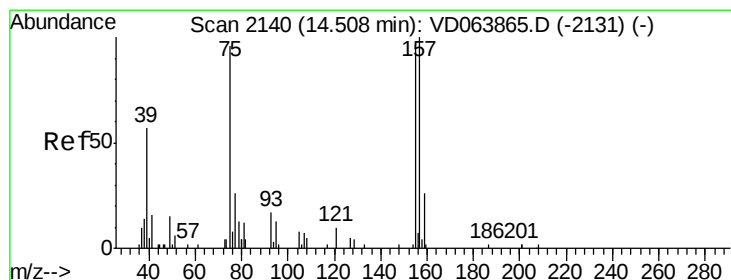
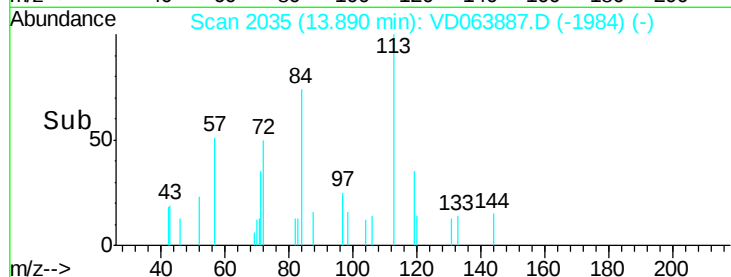
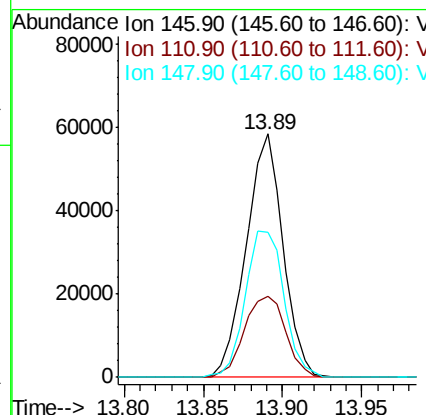
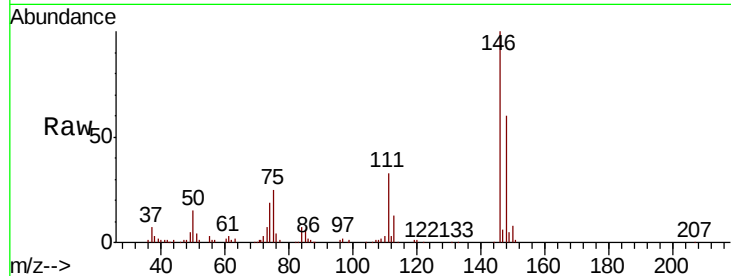
#91  
 1,2-Dichlorobenzene  
 Concen: 20.438 ug/l  
 RT: 13.89 min Scan# 2035  
 Delta R.T. -0.00 min  
 Lab File: VD063887.D  
 Acq: 04 Oct 2019 15:06

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1004SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.5  | 18.6  | 55.6  |
| 148     | 63.4  | 31.6  | 95.0  |

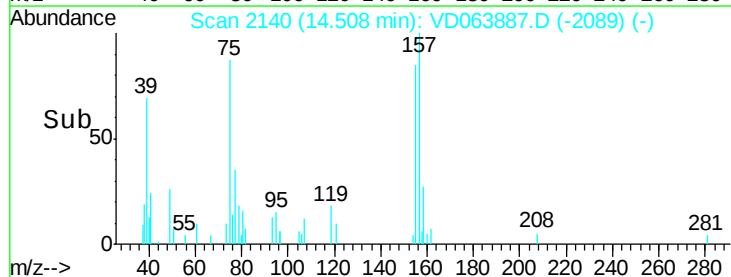
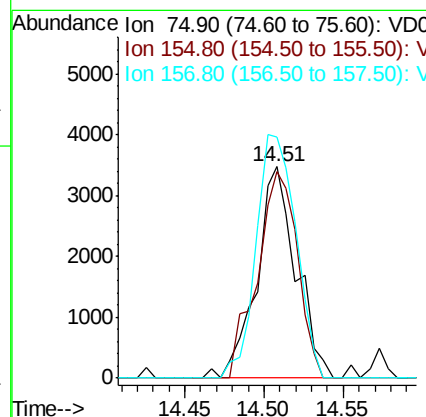
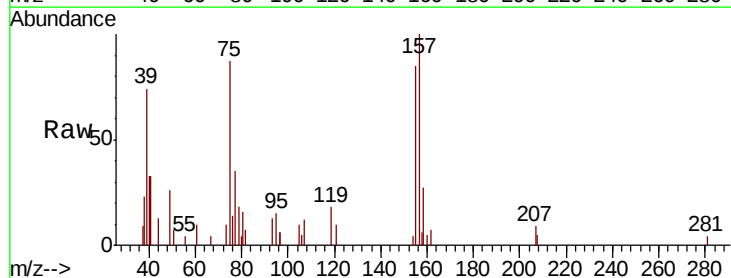
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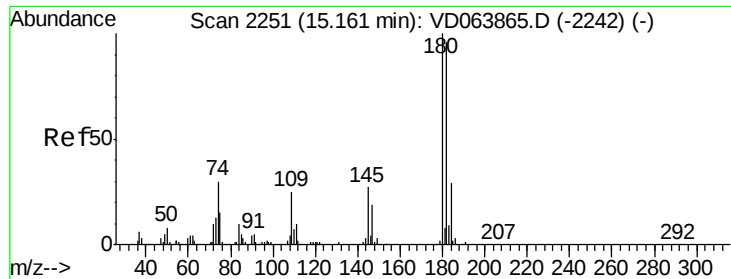
MMDadoda  
 10/8/2019 3:11:31 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.983 ug/l  
 RT: 14.51 min Scan# 2140  
 Delta R.T. 0.00 min  
 Lab File: VD063887.D  
 Acq: 04 Oct 2019 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 99.4  | 43.9  | 131.6 |
| 157     | 116.5 | 56.0  | 167.9 |





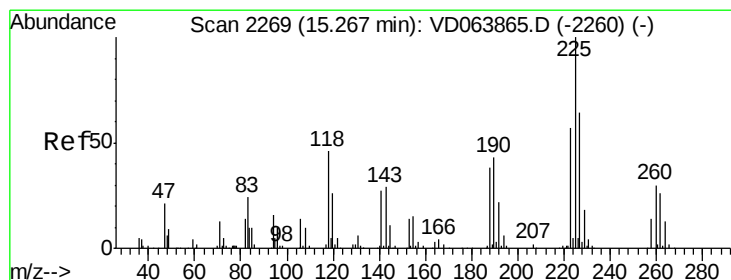
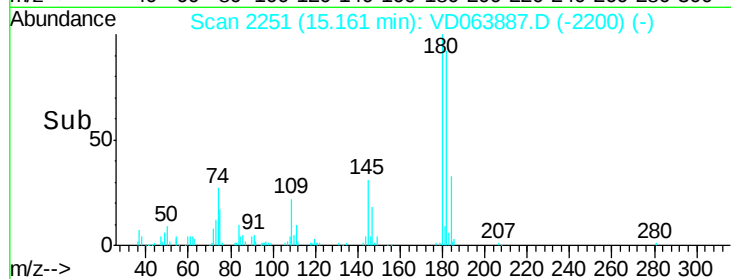
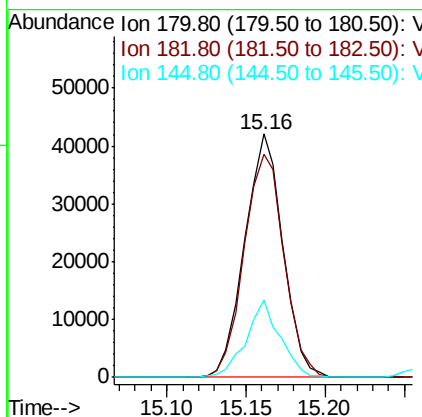
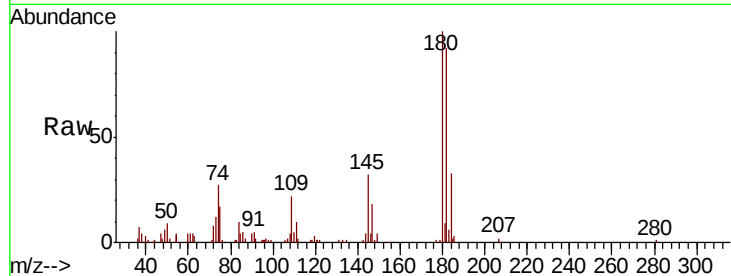
#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.742 ug/l  
 RT: 15.16 min Scan# 2251  
 Delta R.T. -0.00 min  
 Lab File: VD063887.D  
 Acq: 04 Oct 2019 15:06

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1004SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.0  | 47.4  | 142.3 |
| 145     | 28.3  | 13.9  | 41.7  |

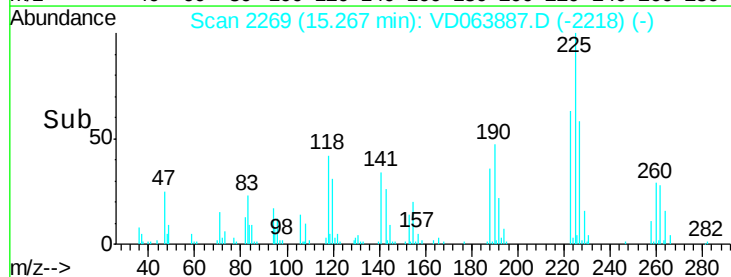
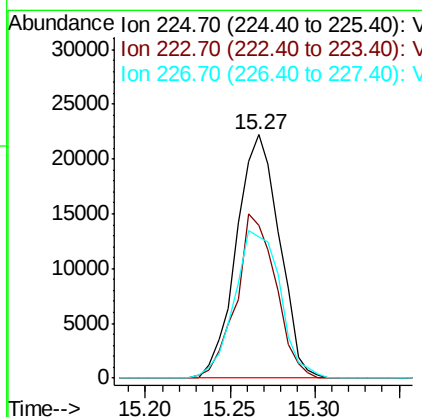
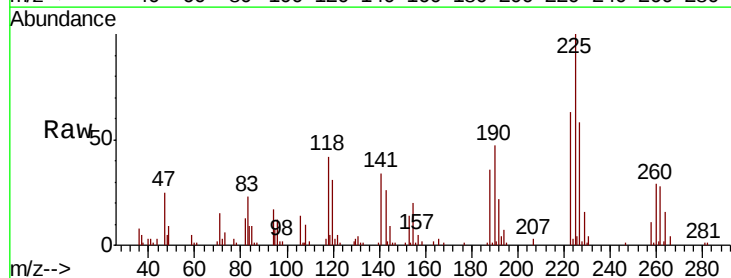
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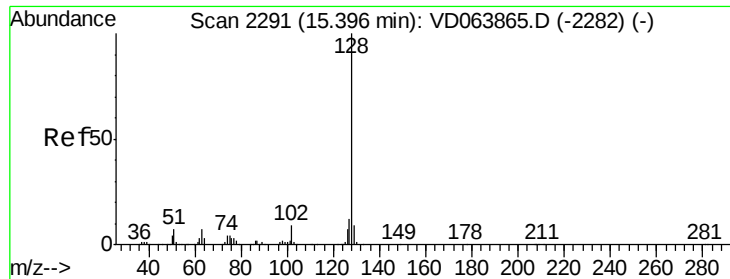
MMDadoda  
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#94  
 Hexachlorobutadiene  
 Concen: 20.007 ug/l  
 RT: 15.27 min Scan# 2269  
 Delta R.T. -0.00 min  
 Lab File: VD063887.D  
 Acq: 04 Oct 2019 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.2  | 29.5  | 88.6  |
| 227     | 64.5  | 30.8  | 92.4  |





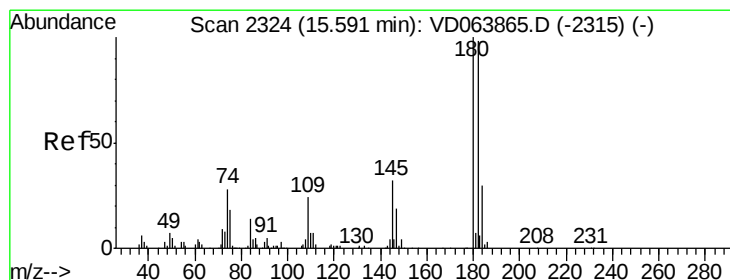
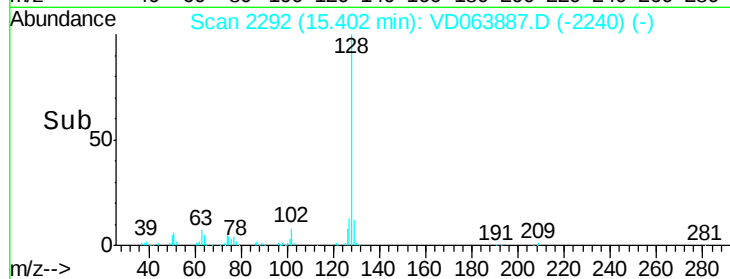
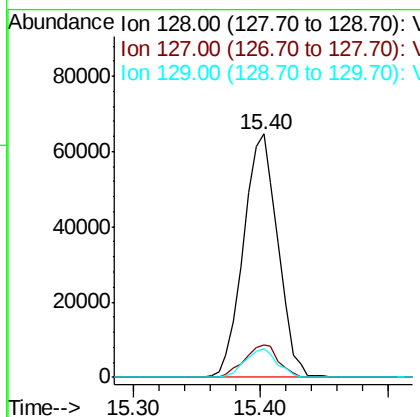
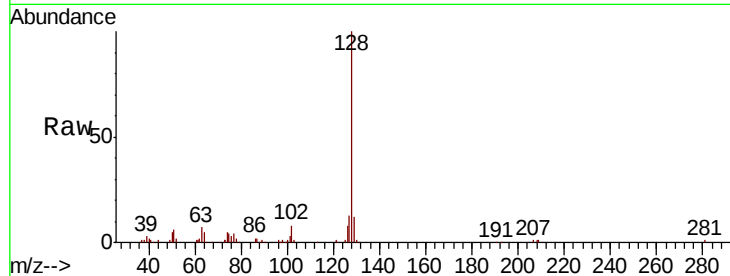
#95  
Naphthalene  
Concen: 20.334 ug/l  
RT: 15.40 min Scan# 2292  
Delta R.T. 0.01 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1004SBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 121587 |       |       |
| 127     | 13.3  |        | 10.6  | 16.0  |
| 129     | 11.0  |        | 8.6   | 13.0  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 19.932 ug/l  
RT: 15.60 min Scan# 2325  
Delta R.T. 0.01 min  
Lab File: VD063887.D  
Acq: 04 Oct 2019 15:06

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 61181 |       |       |
| 182     | 97.0  |       | 47.0  | 141.0 |
| 145     | 33.1  |       | 15.3  | 45.9  |

