

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092519\  
 Data File : VD063827.D  
 Acq On : 25 Sep 2019 17:25  
 Operator : VA/SY  
 Sample : VSTDIC010  
 Misc : 5.00g/5.00mL/MSVOA D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

Manual Integrations  
 APPROVED

MMDadoda  
 10/1/2019 9:26:03 AM

Quant Time: Sep 26 11:57:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D092519S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 26 11:05:05 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 8.00  | 168  | 242469   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.88  | 114  | 380847   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.66 | 117  | 360055   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 185208   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.36   | 65  | 23043    | 10.09 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 20.18% |      |
| 35) Dibromofluoromethane  | 7.94   | 113 | 26579    | 10.99 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 21.98% |      |
| 50) Toluene-d8            | 10.36  | 98  | 90206    | 9.91  | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 19.82% |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 33786    | 10.34 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 20.68% |      |

## Target Compounds

|                               |      |     |        |        |        | Qvalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.00 | 85  | 17762  | 10.681 | ug/l   | 83     |
| 3) Chloromethane              | 2.22 | 50  | 63263  | 12.554 | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.36 | 62  | 58656  | 11.405 | ug/l   | 97     |
| 5) Bromomethane               | 2.79 | 94  | 31535  | 10.480 | ug/l   | 96     |
| 6) Chloroethane               | 2.94 | 64  | 42036  | 11.868 | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 3.29 | 101 | 78039  | 11.286 | ug/l   | 97     |
| 8) Diethyl Ether              | 3.73 | 74  | 12275  | 10.887 | ug/l   | 94     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.10 | 101 | 23556  | 11.484 | ug/l   | 98     |
| 10) Methyl Iodide             | 4.32 | 142 | 21824  | 8.912  | ug/l # | 92     |
| 11) Tert butyl alcohol        | 5.29 | 59  | 10375  | 58.653 | ug/l # | 88     |
| 12) 1,1-Dichloroethene        | 4.09 | 96  | 22733  | 10.980 | ug/l # | 78     |
| 13) Acrolein                  | 3.95 | 56  | 10721  | 49.783 | ug/l   | 93     |
| 14) Allyl chloride            | 4.73 | 41  | 35272  | 10.777 | ug/l   | 98     |
| 15) Acrylonitrile             | 5.46 | 53  | 25285  | 50.766 | ug/l   | 97     |
| 16) Acetone                   | 4.19 | 43  | 27317  | 53.302 | ug/l # | 82     |
| 17) Carbon Disulfide          | 4.42 | 76  | 74513  | 10.646 | ug/l   | 98     |
| 18) Methyl Acetate            | 4.76 | 43  | 12940  | 10.255 | ug/l # | 76     |
| 19) Methyl tert-butyl Ether   | 5.51 | 73  | 55146  | 10.638 | ug/l   | 98     |
| 20) Methylene Chloride        | 4.99 | 84  | 35232  | 11.426 | ug/l   | 94     |
| 21) trans-1,2-Dichloroethene  | 5.49 | 96  | 25725  | 10.674 | ug/l   | 97     |
| 22) Diisopropyl ether         | 6.40 | 45  | 71952  | 10.645 | ug/l   | 97     |
| 23) Vinyl Acetate             | 6.33 | 43  | 218077 | 54.546 | ug/l   | 96     |
| 24) 1,1-Dichloroethane        | 6.28 | 63  | 42938  | 10.456 | ug/l   | 97     |
| 25) 2-Butanone                | 7.25 | 43  | 36972  | 55.183 | ug/l # | 89     |
| 26) 2,2-Dichloropropane       | 7.24 | 77  | 40775  | 10.617 | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 7.24 | 96  | 28195  | 10.426 | ug/l   | 92     |
| 28) Bromochloromethane        | 7.57 | 49  | 14954  | 9.280  | ug/l # | 99     |
| 29) Tetrahydrofuran           | 7.60 | 42  | 21518  | 53.600 | ug/l   | 96     |
| 30) Chloroform                | 7.73 | 83  | 47487  | 10.646 | ug/l   | 92     |
| 31) Cyclohexane               | 8.01 | 56  | 47516  | 11.591 | ug/l # | 83     |
| 32) 1,1,1-Trichloroethane     | 7.92 | 97  | 42409  | 10.515 | ug/l   | 96     |
| 36) 1,1-Dichloropropene       | 8.13 | 75  | 38644  | 11.124 | ug/l   | 98     |
| 37) Ethyl Acetate             | 7.33 | 43  | 16473  | 11.354 | ug/l   | 96     |
| 38) Carbon Tetrachloride      | 8.11 | 117 | 37788  | 10.451 | ug/l   | 92     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092519\  
 Data File : VD063827.D  
 Acq On : 25 Sep 2019 17:25  
 Operator : VA/SY  
 Sample : VSTDIC010  
 Misc : 5.00g/5.00mL/MSVOA D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDIC010

Manual Integrations  
 APPROVED

MMDadoda  
 10/1/2019 9:26:03 AM

Quant Time: Sep 26 11:57:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D092519S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 26 11:05:05 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.37  | 83   | 46023    | 10.640  | ug/l   | 94       |
| 40) Benzene                    | 8.37  | 78   | 102671   | 10.732  | ug/l   | 92       |
| 41) Methacrylonitrile          | 7.56  | 41   | 10142    | 11.836  | ug/l # | 88       |
| 42) 1,2-Dichloroethane         | 8.44  | 62   | 29501    | 10.545  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.48  | 43   | 31575    | 10.856  | ug/l   | 100      |
| 44) Trichloroethene            | 9.13  | 130  | 29584    | 10.678  | ug/l   | 93       |
| 45) 1,2-Dichloropropane        | 9.41  | 63   | 24666    | 10.437  | ug/l # | 88       |
| 46) Dibromomethane             | 9.49  | 93   | 13182    | 9.882   | ug/l   | 89       |
| 47) Bromodichloromethane       | 9.68  | 83   | 35818    | 10.417  | ug/l   | 95       |
| 48) Methyl methacrylate        | 9.47  | 41   | 14907    | 11.269  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.48  | 88   | 3992     | 214.528 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 10.25 | 43   | 80542    | 54.968  | ug/l   | 99       |
| 52) Toluene                    | 10.42 | 92   | 67544    | 10.412  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.64 | 75   | 34979    | 10.263  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 10.11 | 75   | 40286    | 10.413  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane      | 10.82 | 97   | 19520    | 10.356  | ug/l   | 88       |
| 56) Ethyl methacrylate         | 10.68 | 69   | 23695    | 9.891   | ug/l   | 89       |
| 57) 1,3-Dichloropropane        | 10.96 | 76   | 34953    | 10.914  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.96  | 63   | 57405    | 53.614  | ug/l   | 100      |
| 59) 2-Hexanone                 | 11.00 | 43   | 56363    | 53.911  | ug/l   | 97       |
| 60) Dibromochloromethane       | 11.16 | 129  | 25931    | 10.425  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.26 | 107  | 19444    | 10.319  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.89 | 164  | 24248    | 9.998   | ug/l   | 96       |
| 65) Chlorobenzene              | 11.68 | 112  | 76216    | 10.523  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.76 | 131  | 25833    | 9.705   | ug/l   | 92       |
| 67) Ethyl Benzene              | 11.76 | 91   | 138226   | 10.566  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.86 | 106  | 104194   | 20.740  | ug/l   | 99       |
| 69) o-Xylene                   | 12.19 | 106  | 47695    | 10.058  | ug/l   | 96       |
| 70) Styrene                    | 12.21 | 104  | 80975    | 10.090  | ug/l   | 96       |
| 71) Bromoform                  | 12.37 | 173  | 14919    | 10.090  | ug/l # | 90       |
| 73) Isopropylbenzene           | 12.49 | 105  | 134918   | 10.665  | ug/l   | 97       |
| 74) N-amyl acetate             | 12.30 | 43   | 31033    | 11.206  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.74 | 83   | 22217    | 10.536  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane     | 12.80 | 75   | 15544m   | 13.234  | ug/l   |          |
| 77) Bromobenzene               | 12.77 | 156  | 31223    | 10.270  | ug/l   | 93       |
| 78) n-propylbenzene            | 12.83 | 91   | 162089   | 10.891  | ug/l   | 97       |
| 79) 2-Chlorotoluene            | 12.92 | 91   | 85400    | 10.638  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene     | 12.97 | 105  | 114416   | 10.850  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 12.54 | 75   | 7043     | 10.016  | ug/l # | 92       |
| 82) 4-Chlorotoluene            | 13.02 | 91   | 92355    | 10.785  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.24 | 119  | 97938    | 10.629  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.28 | 105  | 113569   | 10.608  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.41 | 105  | 137505   | 10.724  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.53 | 119  | 124125   | 10.308  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.53 | 146  | 61630    | 10.325  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.61 | 146  | 61888    | 10.425  | ug/l   | 95       |
| 89) n-Butylbenzene             | 13.86 | 91   | 123001   | 10.732  | ug/l   | 96       |
| 90) Hexachloroethane           | 14.12 | 117  | 22415    | 10.050  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 53600    | 10.468  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51 | 75   | 4033     | 11.336  | ug/l   | 94       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092519\  
Data File : VD063827.D  
Acq On : 25 Sep 2019 17:25  
Operator : VA/SY  
Sample : VSTDICC010  
Misc : 5.00g/5.00mL/MSVOA D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC010

Manual Integrations  
APPROVED

MMDadoda  
10/1/2019 9:26:03 AM

Quant Time: Sep 26 11:57:25 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D092519S.M  
Quant Title : SW846 8260  
QLast Update : Thu Sep 26 11:05:05 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 39183    | 10.077 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 15.28 | 225  | 23044    | 10.460 | ug/l  | 98       |
| 95) Naphthalene            | 15.41 | 128  | 71907    | 10.298 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.61 | 180  | 34818    | 10.100 | ug/l  | 94       |

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

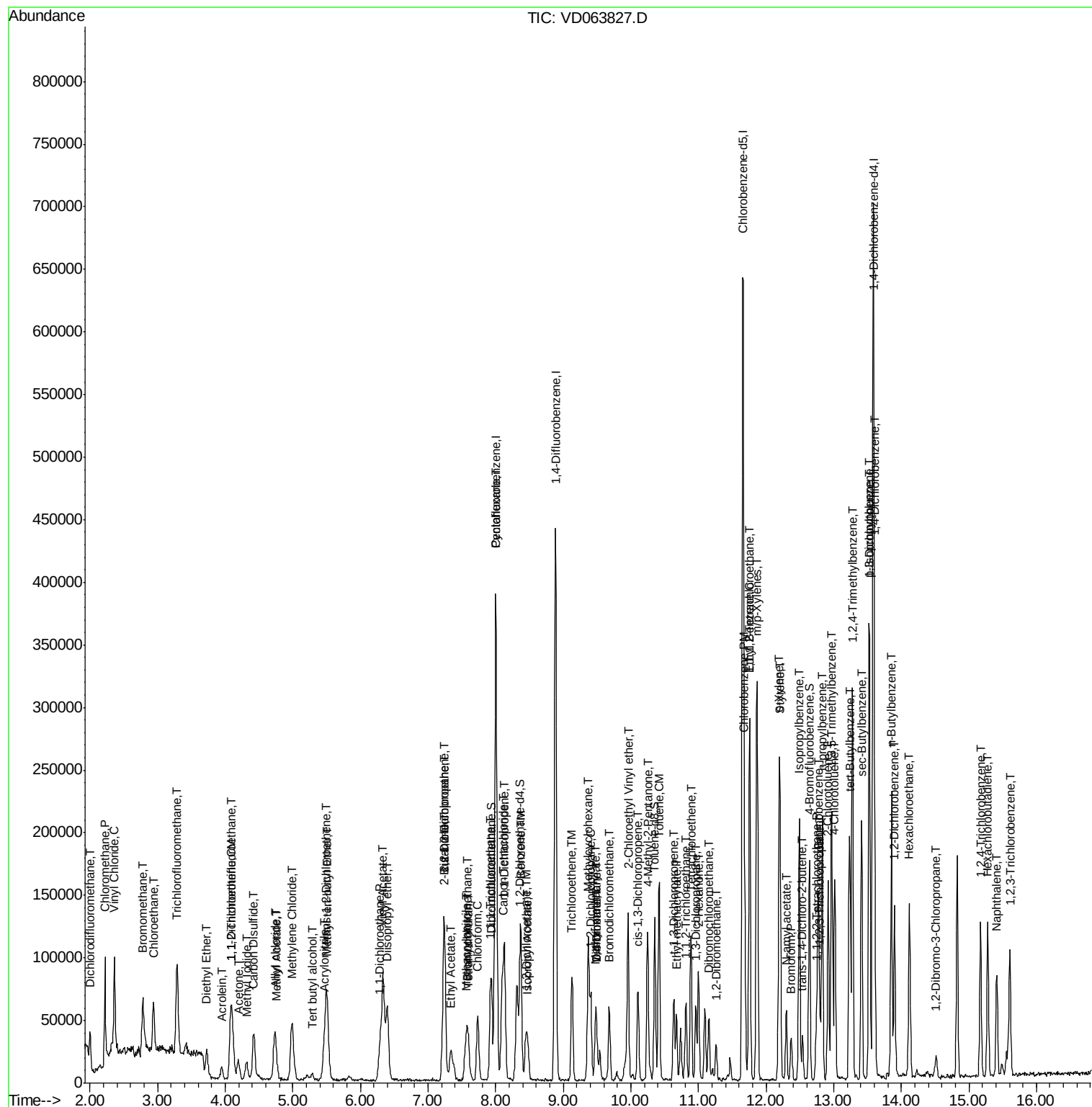
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092519\  
Data File : VD063827.D  
Acq On : 25 Sep 2019 17:25  
Operator : VA/SY  
Sample : VSTDICC010  
Misc : 5.00µ/5.00mL/MSVOA D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

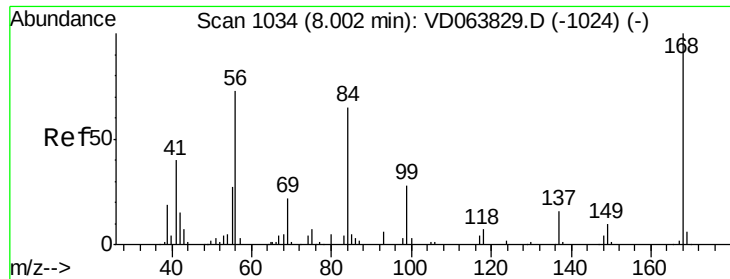
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC010

Manual Integrations  
APPROVED

MMDadoda  
10/1/2019 9:26:03 AM

Quant Time: Sep 26 11:57:25 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D092519S.M  
Quant Title : SW846 8260  
QLast Update : Thu Sep 26 11:05:05 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.00 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 242469

Ion Ratio Lower Upper

168 100

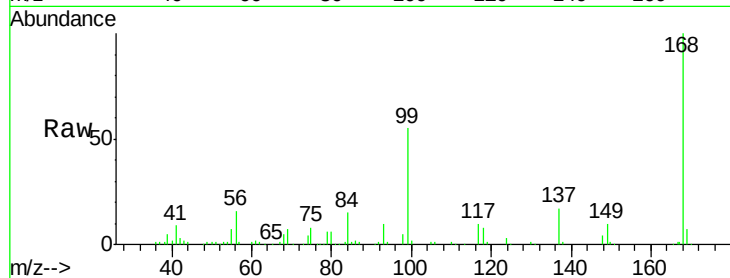
99 55.3 41.2 61.8

Manual Integrations

APPROVED

MMDadoda

10/1/2019 9:26:03 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

8.00

120000

100000

80000

60000

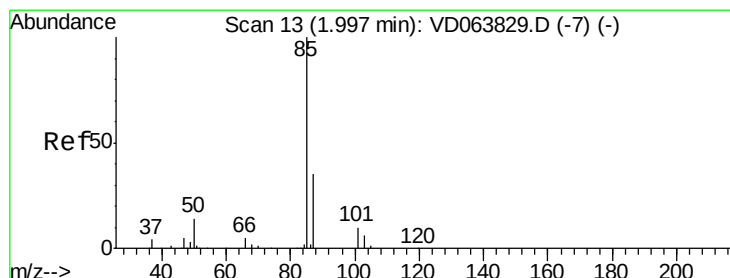
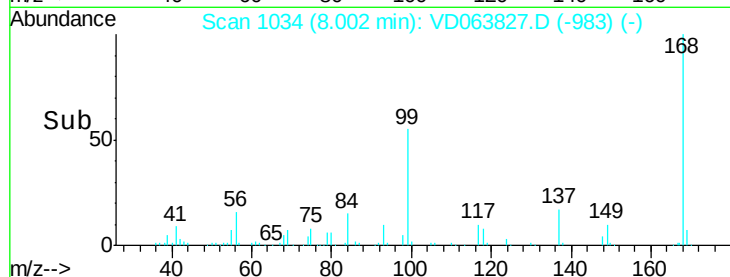
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 10.681 ug/l

RT: 2.00 min Scan# 13

Delta R.T. 0.00 min

Lab File: VD063827.D

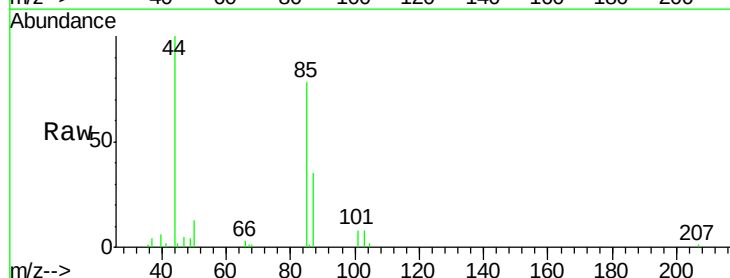
Acq: 25 Sep 2019 17:25

Tgt Ion: 85 Resp: 17762

Ion Ratio Lower Upper

85 100

87 44.4 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

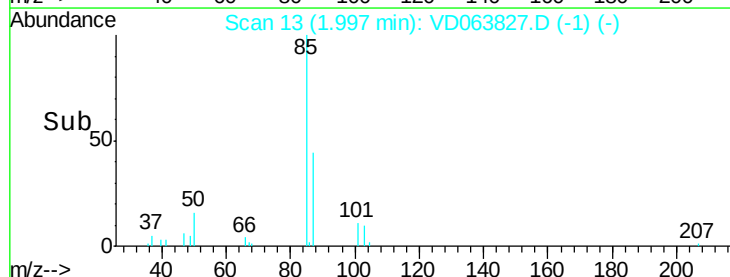
10000

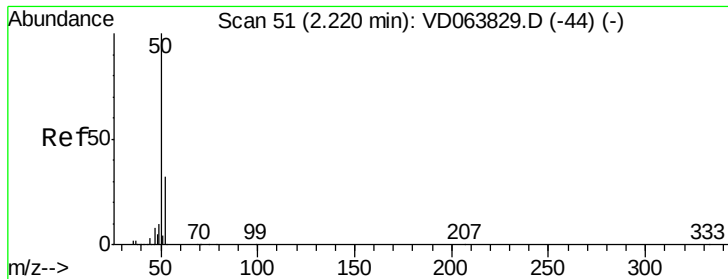
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 12.554 ug/l

RT: 2.22 min Scan# 51

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA\_D

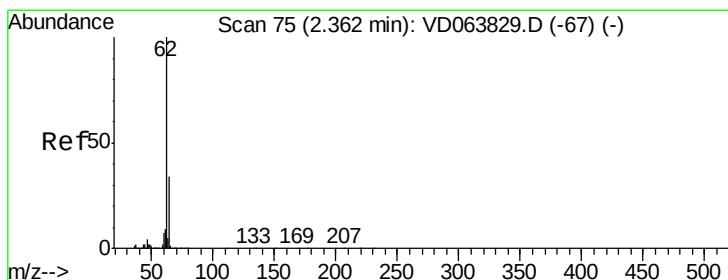
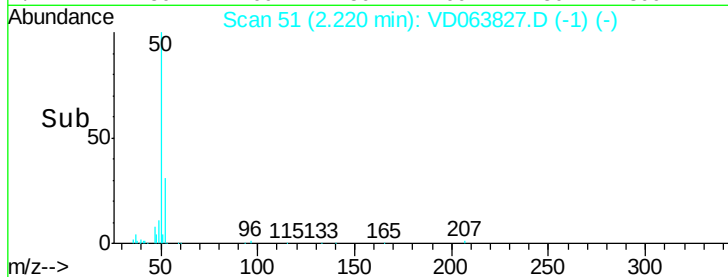
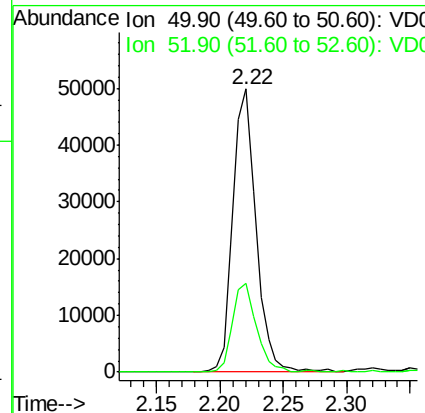
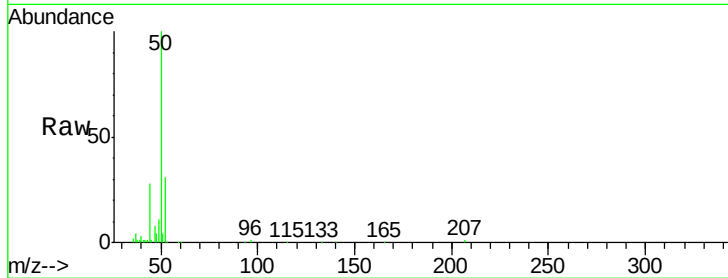
ClientSampleId :

VSTDIC010

| Tot Ion | 50    | Resp  | 63263 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 50      | 100   |       |       |
| 52      | 31.4  | 25.6  | 38.4  |

Manual Integrations  
APPROVED

MMDadoda  
10/1/2019 9:26:03 AM



#4

Vinyl Chloride

Concen: 11.405 ug/l

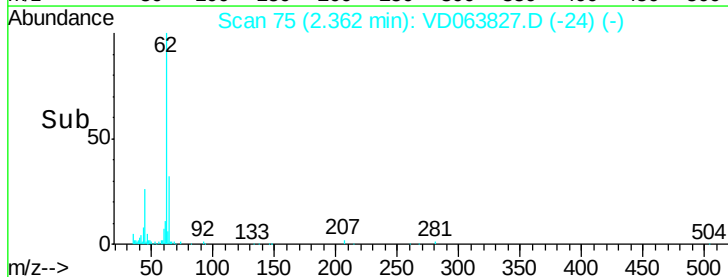
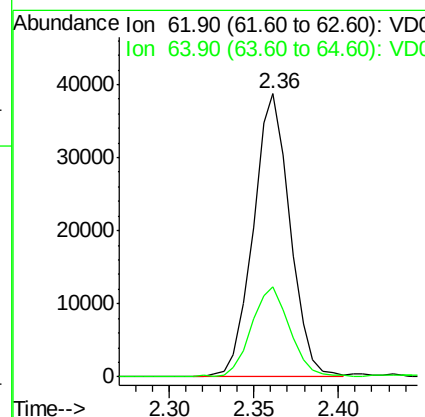
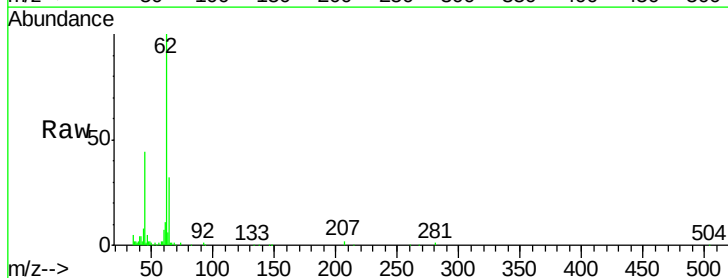
RT: 2.36 min Scan# 75

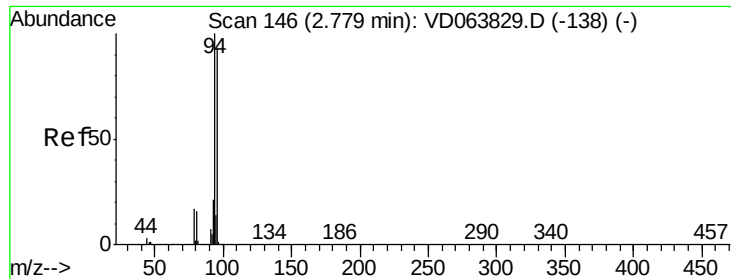
Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

| Tgt Ion | 62    | Resp  | 58656 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 62      | 100   |       |       |
| 64      | 32.0  | 27.1  | 40.7  |





#5

Bromomethane

Concen: 10.480 ug/l

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 31535

Ion Ratio Lower Upper

94 100

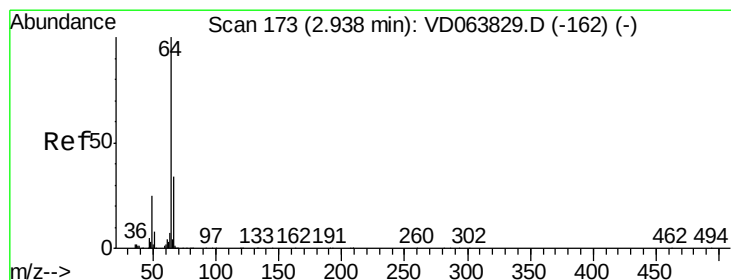
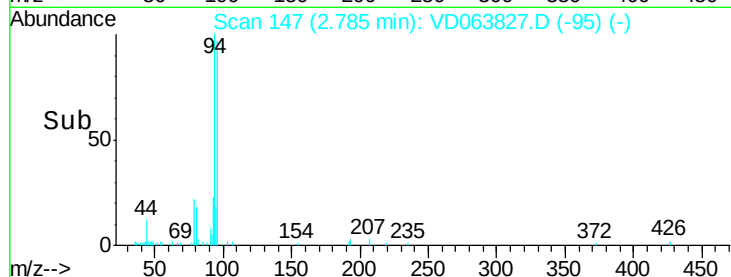
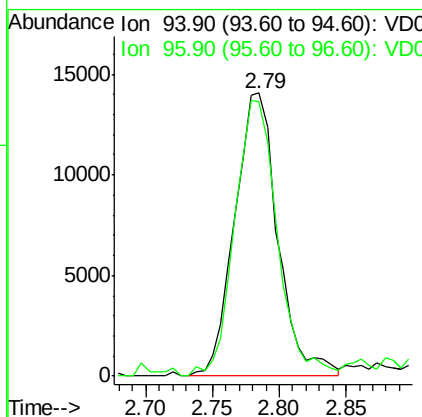
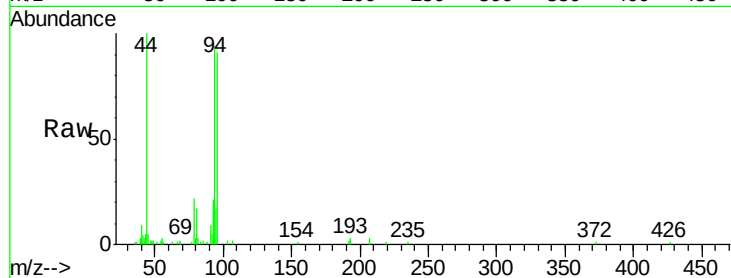
96 96.9 74.2 111.2

Manual Integrations

APPROVED

MMDadoda

10/1/2019 9:26:03 AM



#6

Chloroethane

Concen: 11.868 ug/l

RT: 2.94 min Scan# 173

Delta R.T. 0.00 min

Lab File: VD063827.D

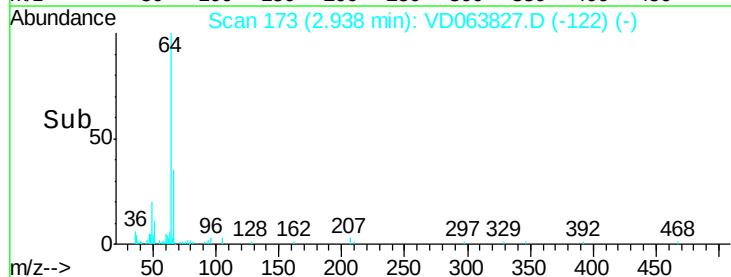
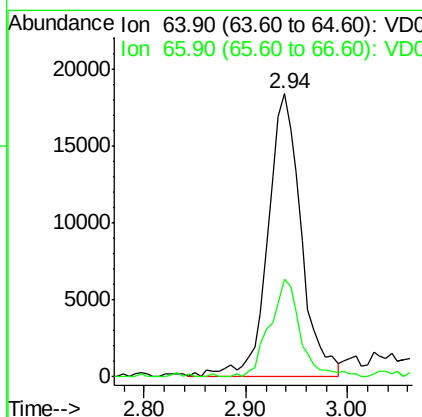
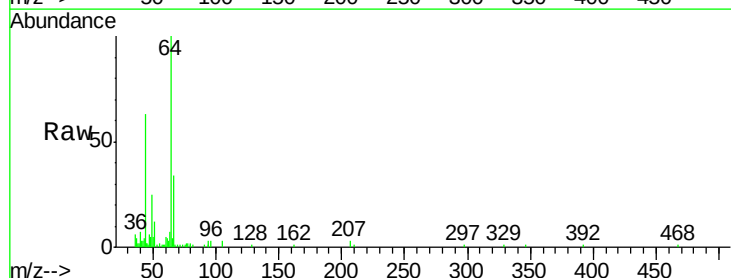
Acq: 25 Sep 2019 17:25

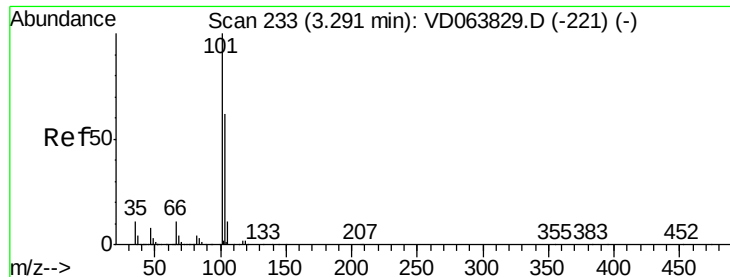
Tgt Ion: 64 Resp: 42036

Ion Ratio Lower Upper

64 100

66 33.3 26.9 40.3





#7

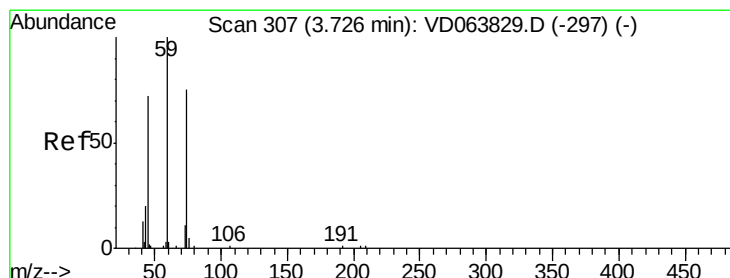
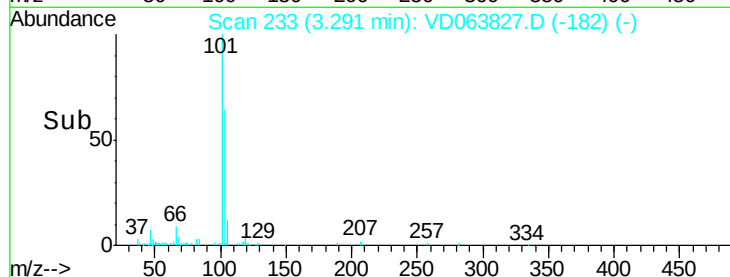
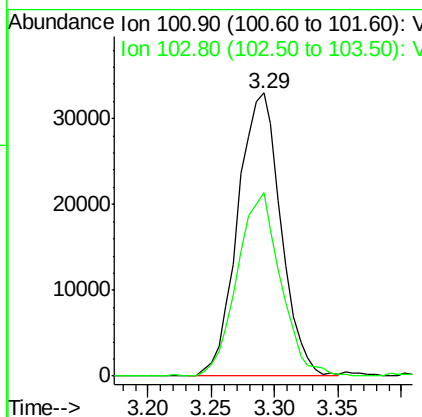
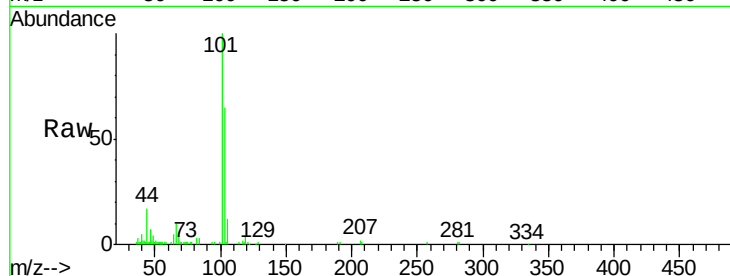
Trichlorofluoromethane  
Concen: 11.286 ug/l  
RT: 3.29 min Scan# 233  
Delta R.T. 0.00 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.7  | 49.8  | 74.8  |

Manual Integrations  
APPROVED

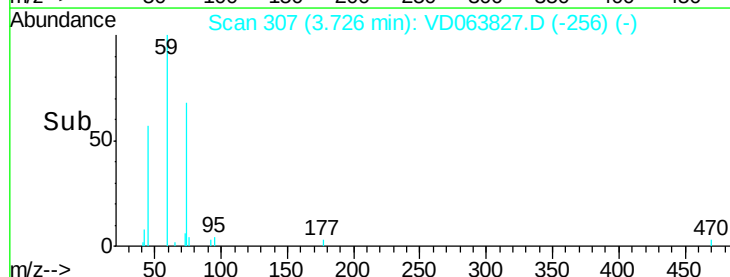
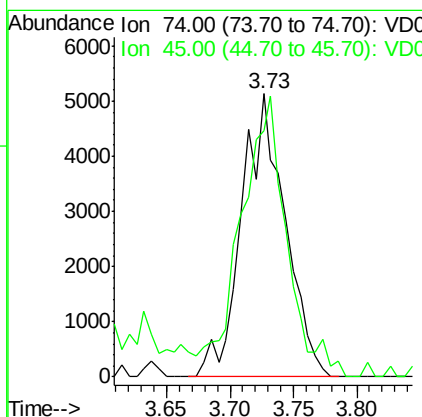
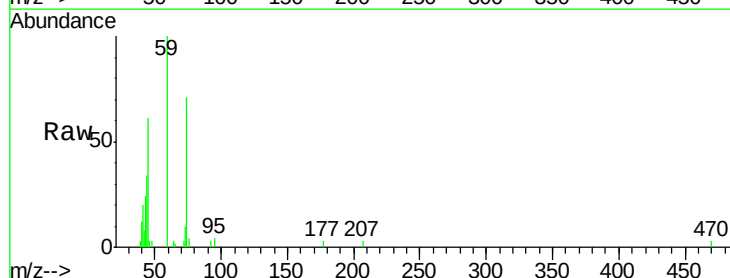
MMDadoda  
10/1/2019 9:26:03 AM



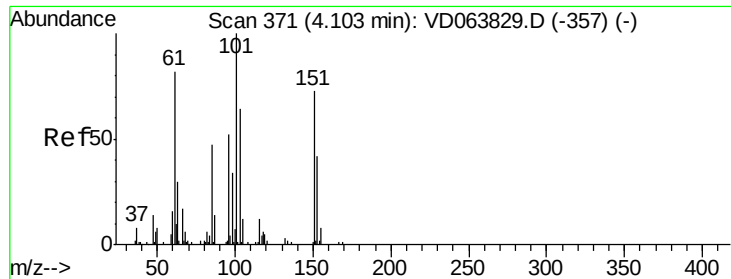
#8

Diethyl Ether  
Concen: 10.887 ug/l  
RT: 3.73 min Scan# 307  
Delta R.T. 0.00 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 104.0 | 48.9  | 146.8 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.484 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA\_D

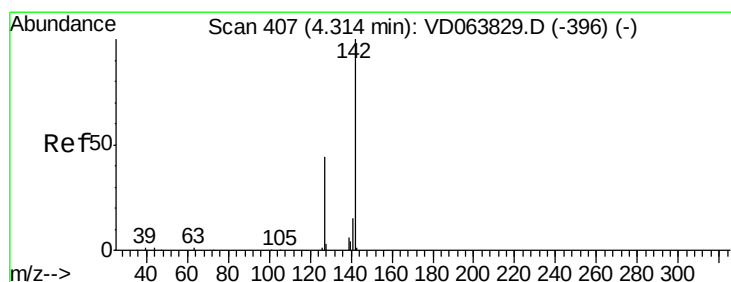
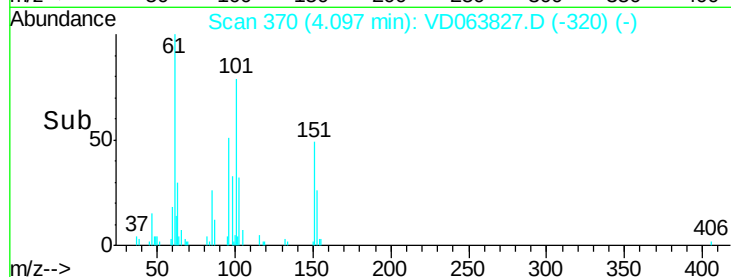
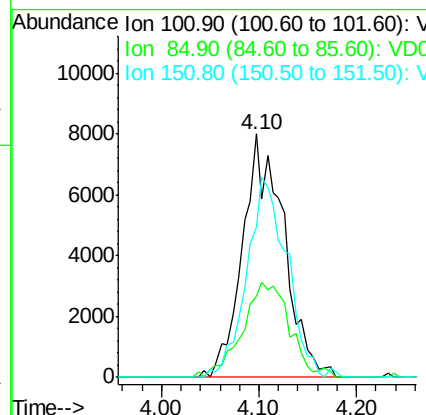
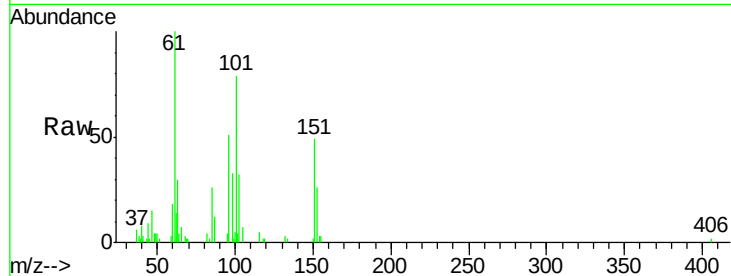
ClientSampleId :

VSTDIC010

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 23556 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.8  | 37.8  | 56.6  |
| 151       | 79.8  | 64.2  | 96.2  |

Manual Integrations  
APPROVED

MMDadoda  
10/1/2019 9:26:03 AM



#10

Methyl Iodide

Concen: 8.912 ug/l

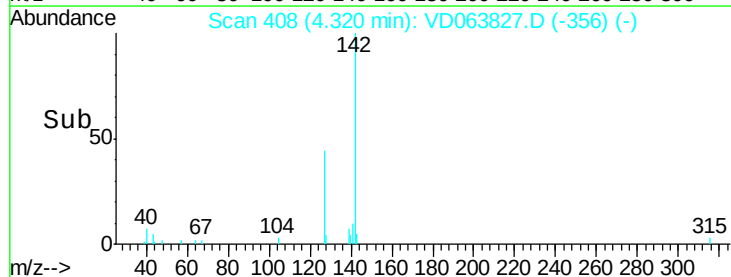
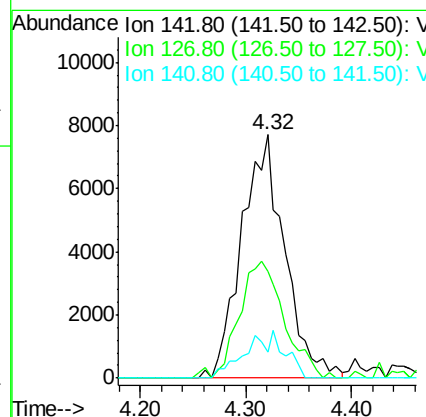
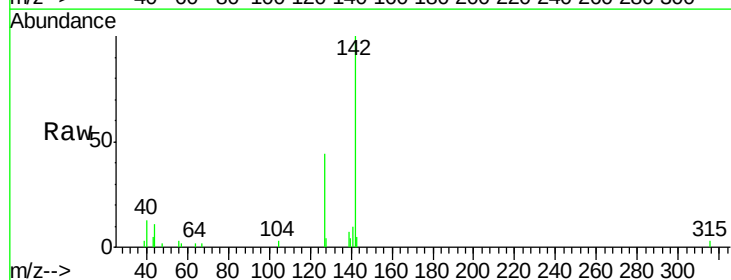
RT: 4.32 min Scan# 408

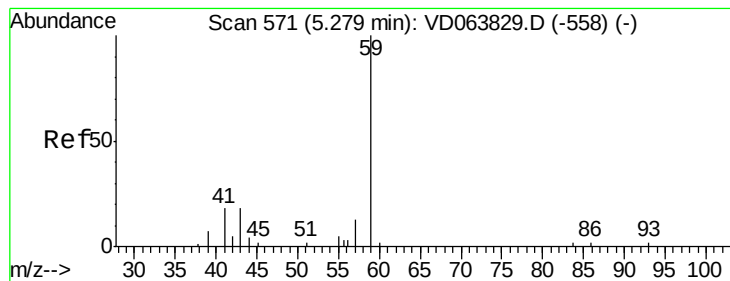
Delta R.T. 0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 21824 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 49.3  | 35.8  | 53.6  |
| 141       | 10.4  | 11.9  | 17.9# |





#11

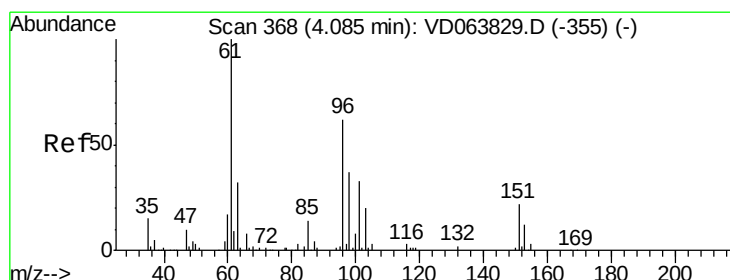
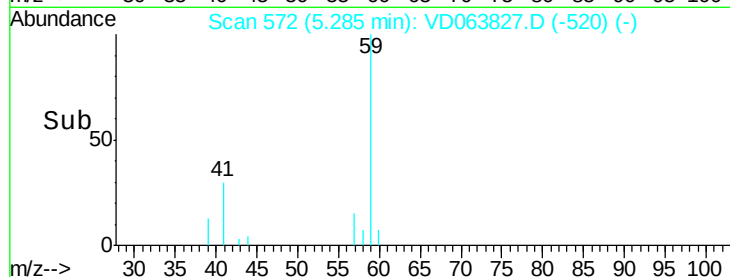
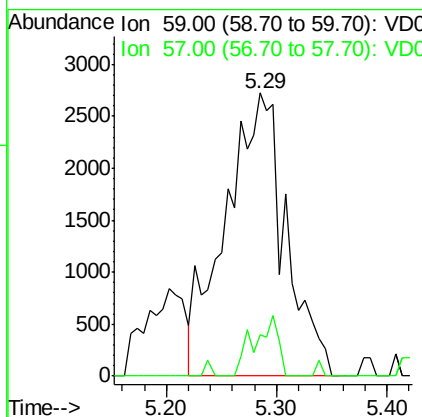
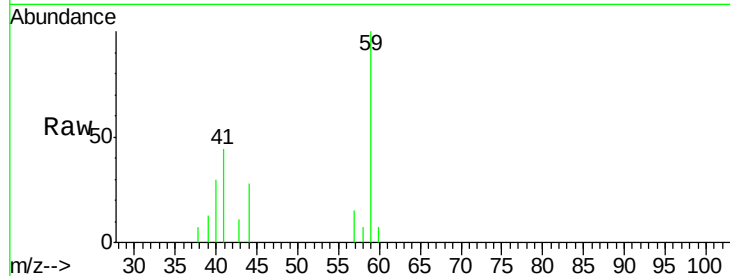
Tert butyl alcohol  
Concen: 58.653 ug/l  
RT: 5.29 min Scan# 572  
Delta R.T. 0.01 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 5.8   | 8.3   | 12.5# |

Manual Integrations  
APPROVED

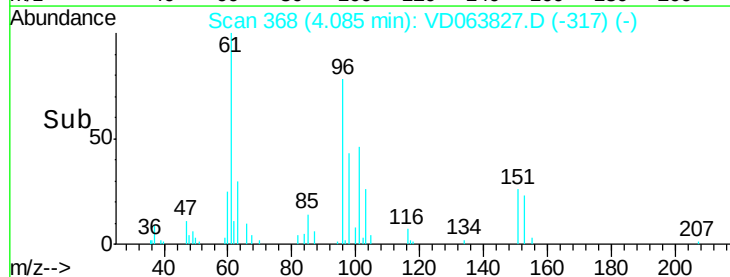
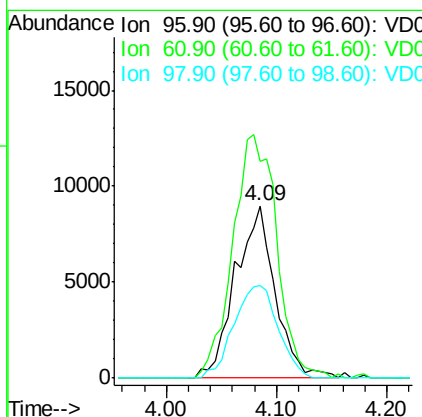
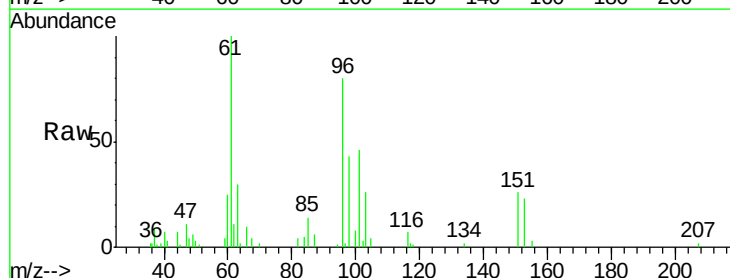
MMDadoda  
10/1/2019 9:26:03 AM

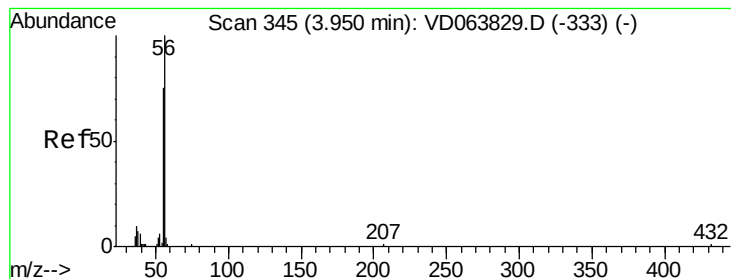


#12

1,1-Dichloroethene  
Concen: 10.980 ug/l  
RT: 4.09 min Scan# 368  
Delta R.T. 0.00 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 96      | 100   |       |        |
| 61      | 125.7 | 129.0 | 193.4# |
| 98      | 53.8  | 47.8  | 71.6   |





#13

Acrolein

Concen: 49.783 ug/l

RT: 3.95 min Scan# 345

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 10721

Ion Ratio Lower Upper

56 100

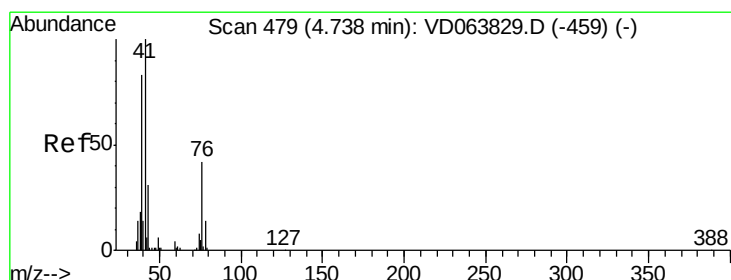
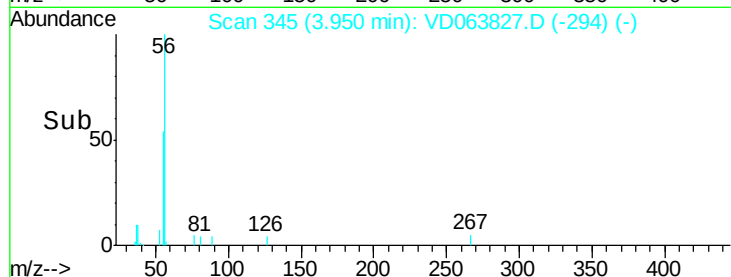
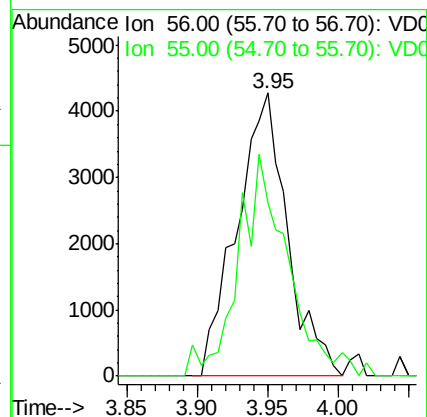
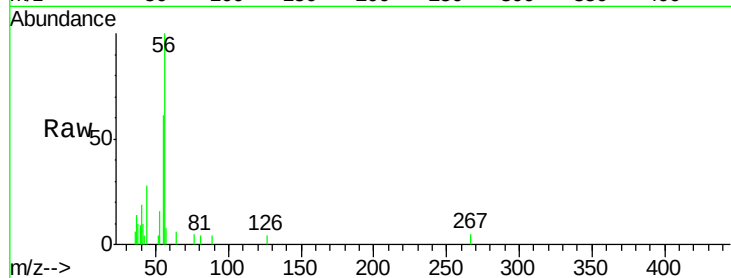
55 74.6 55.0 82.6

Manual Integrations

APPROVED

MMDadoda

10/1/2019 9:26:03 AM



#14

Allyl chloride

Concen: 10.777 ug/l

RT: 4.73 min Scan# 478

Delta R.T. -0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

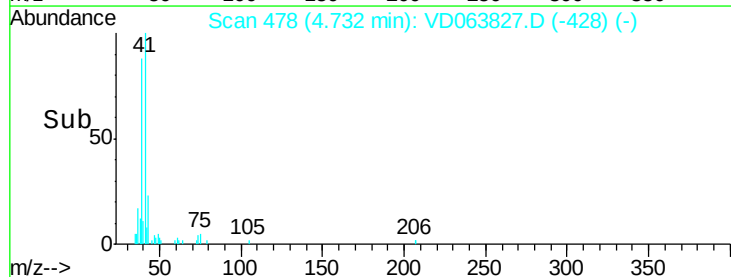
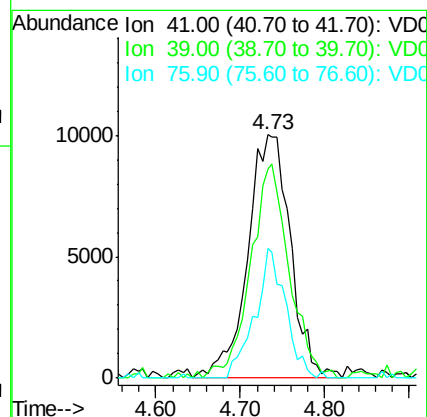
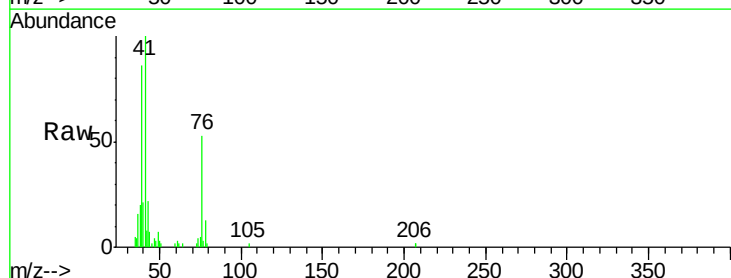
Tgt Ion: 41 Resp: 35272

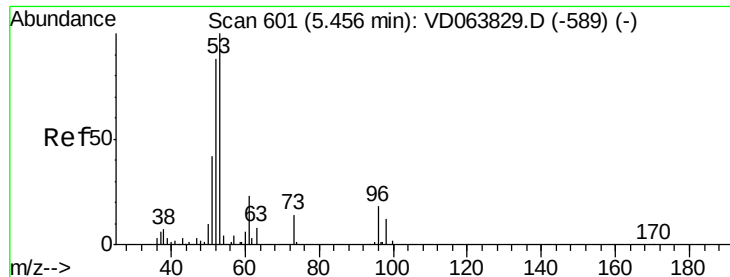
Ion Ratio Lower Upper

41 100

39 80.0 63.7 95.5

76 38.3 33.5 50.3





#15

Acrylonitrile

Concen: 50.766 ug/l

RT: 5.46 min Scan# 601

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA\_D

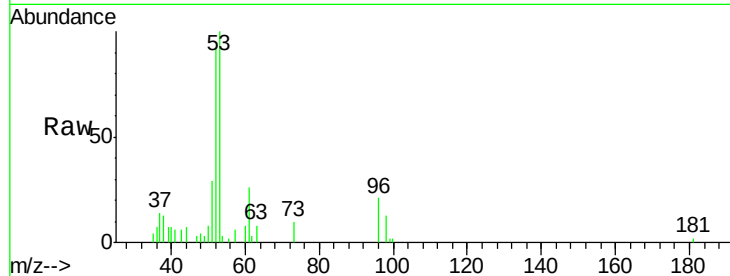
ClientSampleId :

VSTDIC010

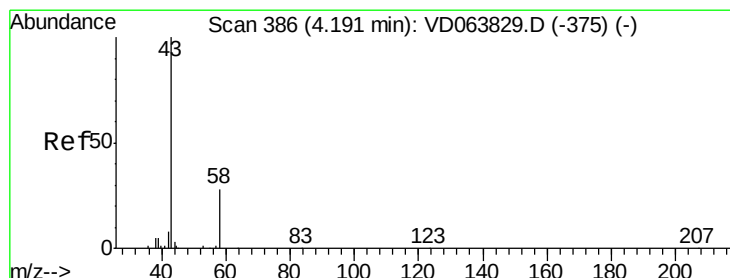
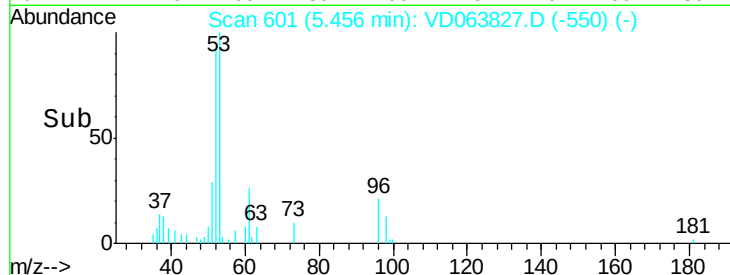
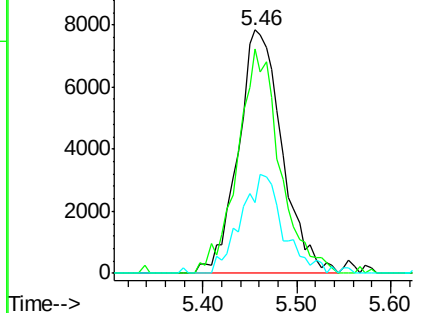
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 25285 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 89.0  | 68.7  | 103.1 |
| 51       | 39.3  | 30.7  | 46.1  |

Manual Integrations  
APPROVED

MMDadoda  
10/1/2019 9:26:03 AM



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: 53.302 ug/l

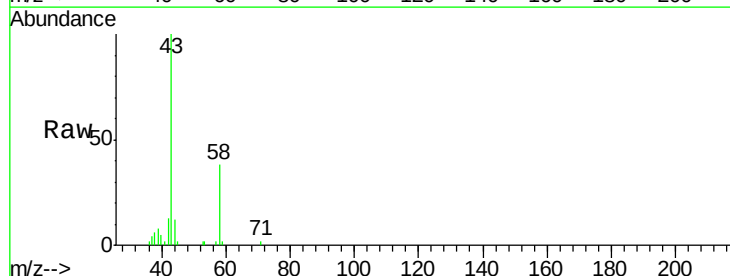
RT: 4.19 min Scan# 386

Delta R.T. 0.00 min

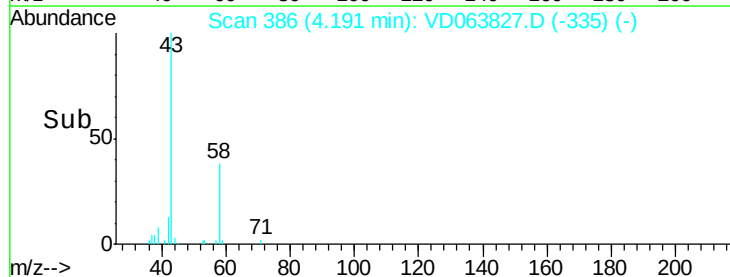
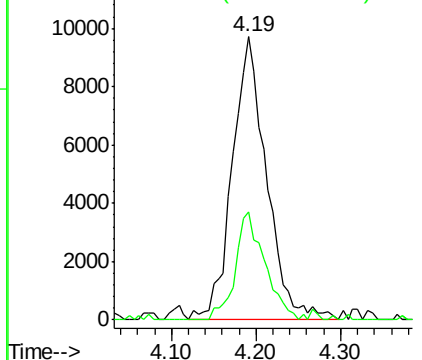
Lab File: VD063827.D

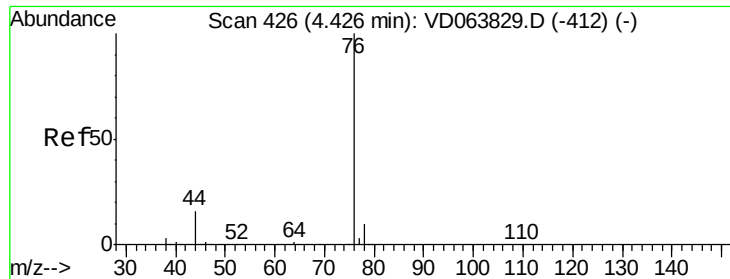
Acq: 25 Sep 2019 17:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 27317 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 38.0  | 22.6  | 34.0# |



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





#17

Carbon Disulfide

Concen: 10.646 ug/l

RT: 4.42 min Scan# 425

Delta R.T. -0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 74513

Ion Ratio Lower Upper

76 100

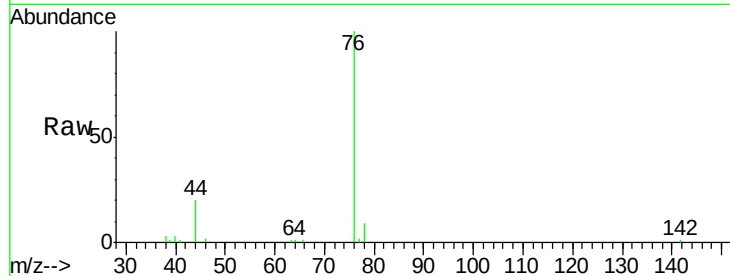
78 9.3 7.9 11.9

Manual Integrations

APPROVED

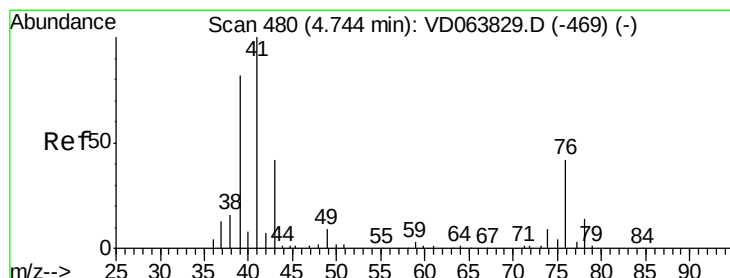
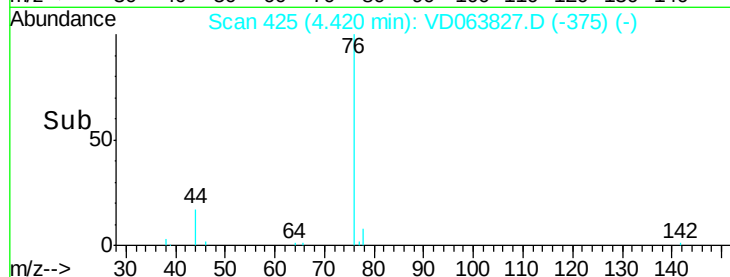
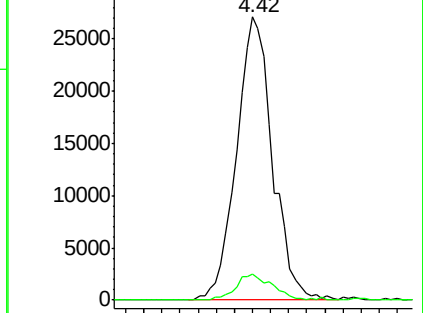
MMDadoda

10/1/2019 9:26:03 AM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 10.255 ug/l

RT: 4.76 min Scan# 483

Delta R.T. 0.02 min

Lab File: VD063827.D

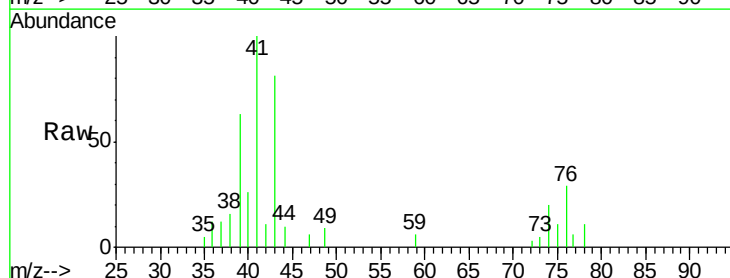
Acq: 25 Sep 2019 17:25

Tgt Ion: 43 Resp: 12940

Ion Ratio Lower Upper

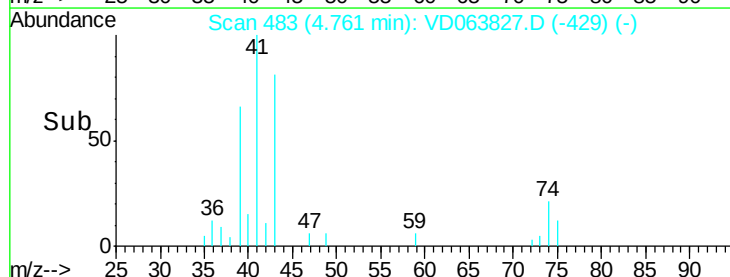
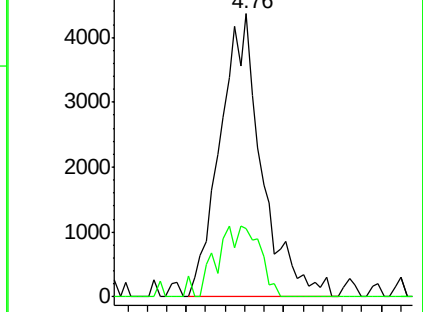
43 100

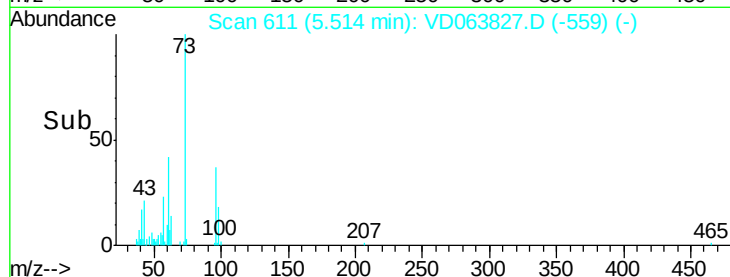
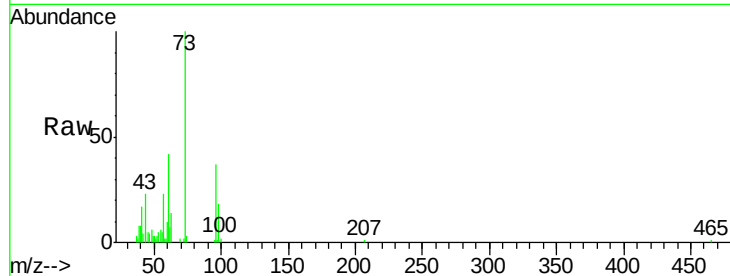
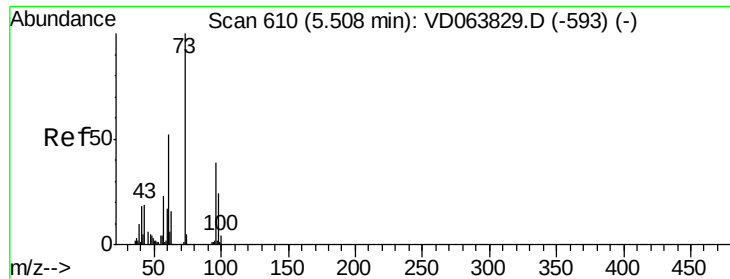
74 11.7 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





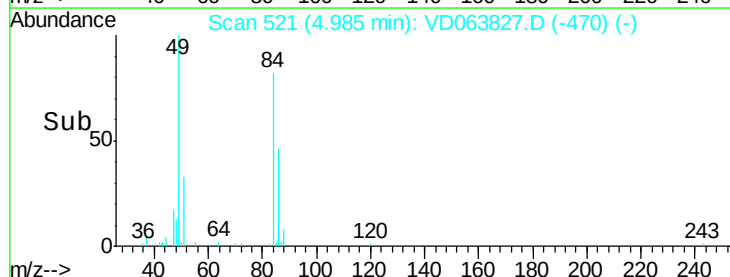
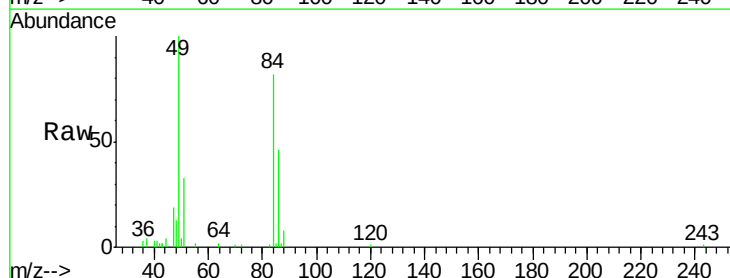
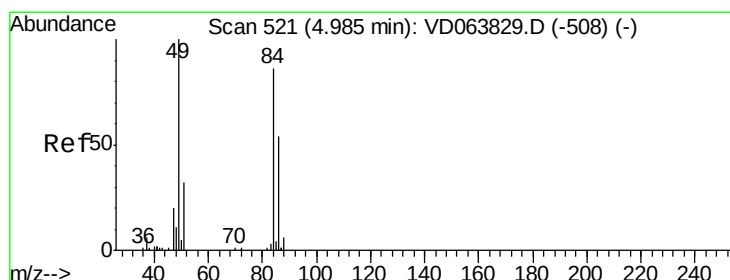
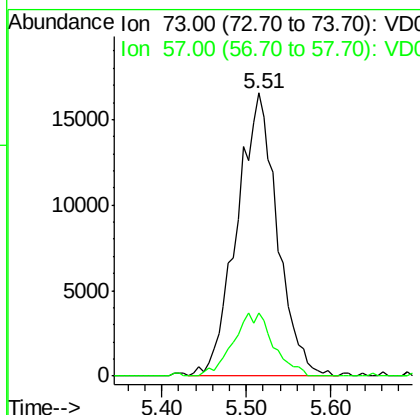
#19  
Methyl tert-butyl Ether  
Concen: 10.638 ug/l  
RT: 5.51 min Scan# 611  
Delta R.T. 0.01 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

Tot Ion: 73 Resp: 55146  
Ion Ratio Lower Upper  
73 100  
57 22.6 18.7 28.1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

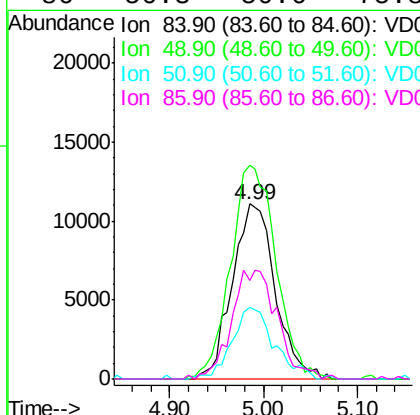
Manual Integrations  
APPROVED

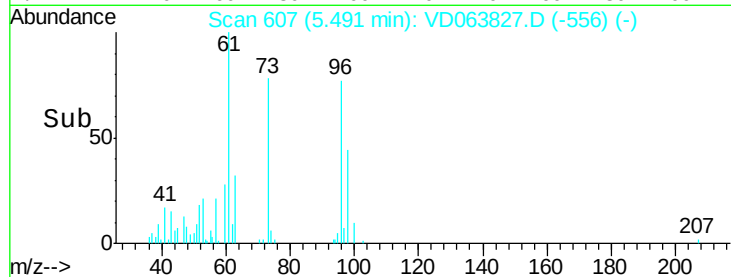
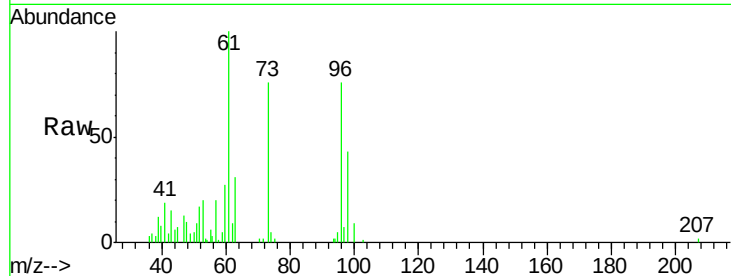
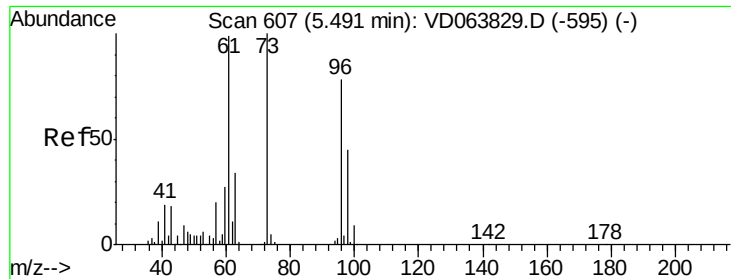
MMDadoda  
10/1/2019 9:26:03 AM



#20  
Methylene Chloride  
Concen: 11.426 ug/l  
RT: 4.99 min Scan# 521  
Delta R.T. 0.00 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

Tgt Ion: 84 Resp: 35232  
Ion Ratio Lower Upper  
84 100  
49 121.8 93.6 140.4  
51 40.7 29.8 44.6  
86 56.3 50.6 75.8





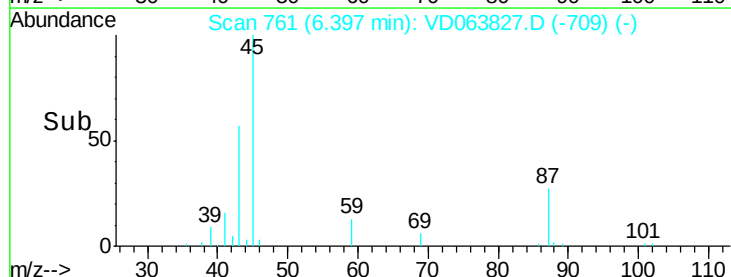
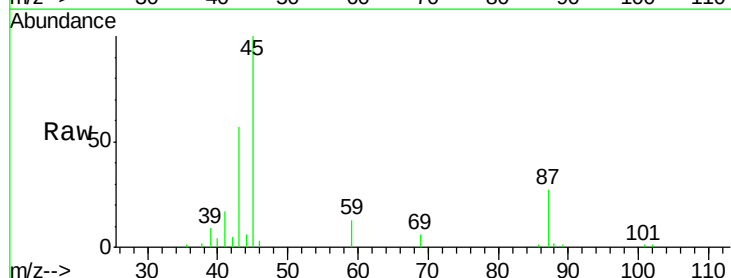
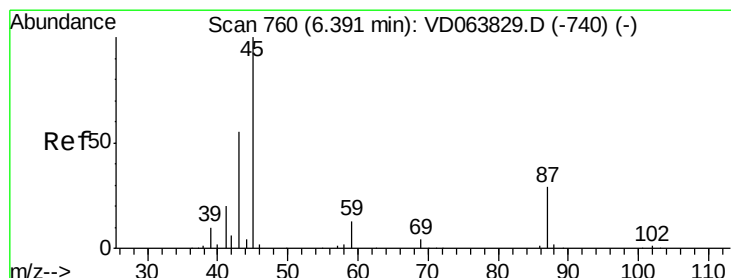
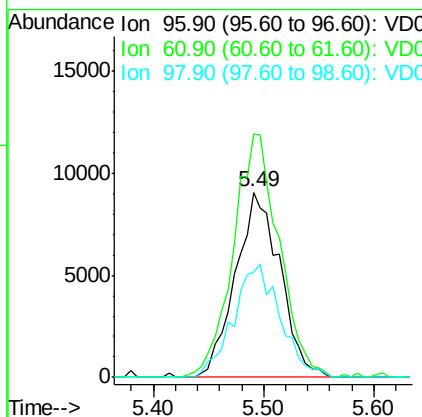
#21  
trans-1,2-Dichloroethene  
Concen: 10.674 ug/l  
RT: 5.49 min Scan# 607  
Delta R.T. 0.00 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 131.4 | 101.3 | 151.9 |
| 98      | 56.8  | 45.4  | 68.2  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

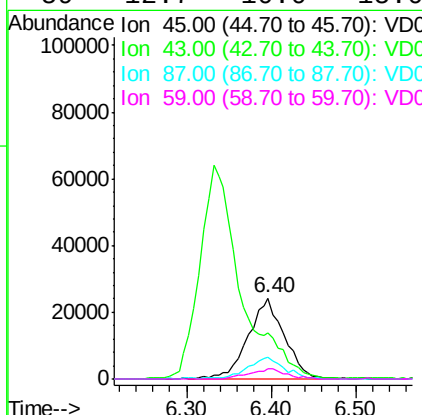
Manual Integrations  
APPROVED

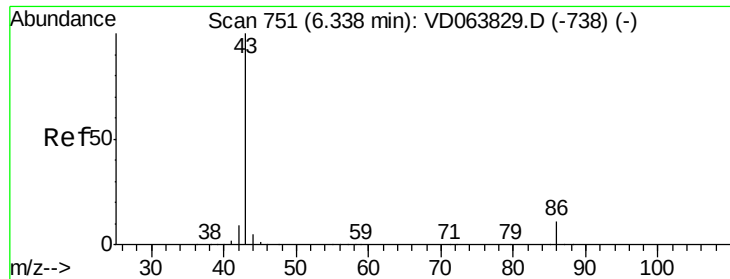
MMDadoda  
10/1/2019 9:26:03 AM



#22  
Diisopropyl ether  
Concen: 10.645 ug/l  
RT: 6.40 min Scan# 761  
Delta R.T. 0.01 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 53.1  | 44.2  | 66.2  |
| 87      | 26.9  | 23.9  | 35.9  |
| 59      | 12.7  | 10.0  | 15.0  |





#23

Vinyl Acetate

Concen: 54.546 ug/l

RT: 6.33 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 218077

Ion Ratio Lower Upper

43 100

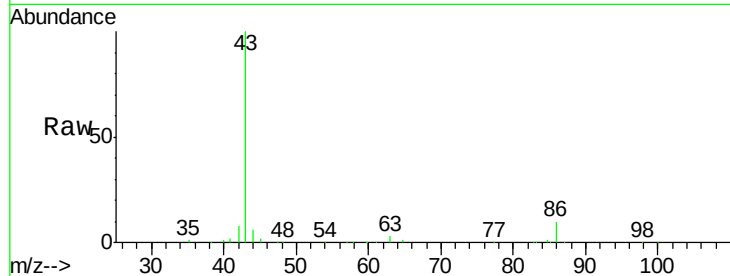
86 9.6 8.8 13.2

Manual Integrations

APPROVED

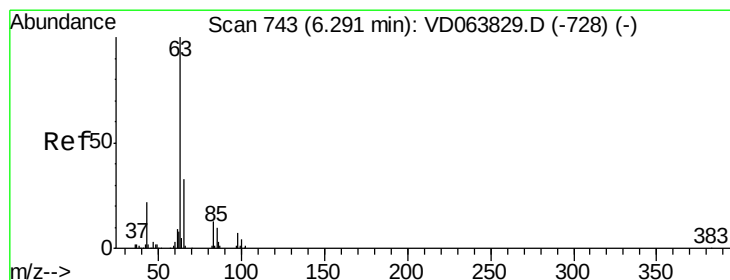
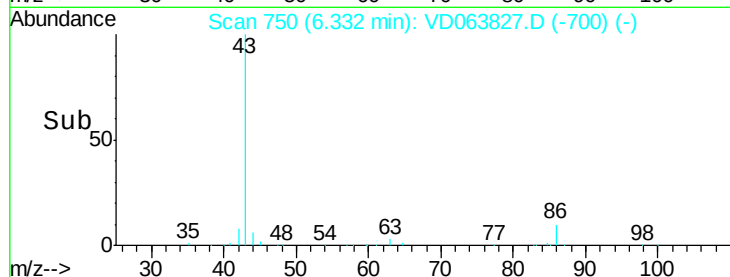
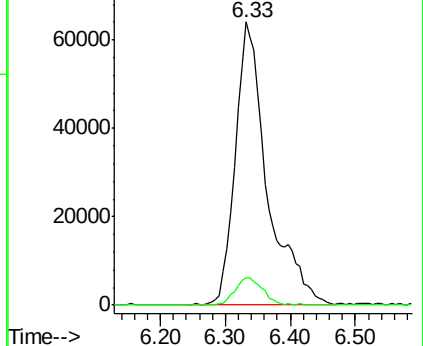
MMDadoda

10/1/2019 9:26:03 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 10.456 ug/l

RT: 6.28 min Scan# 742

Delta R.T. -0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

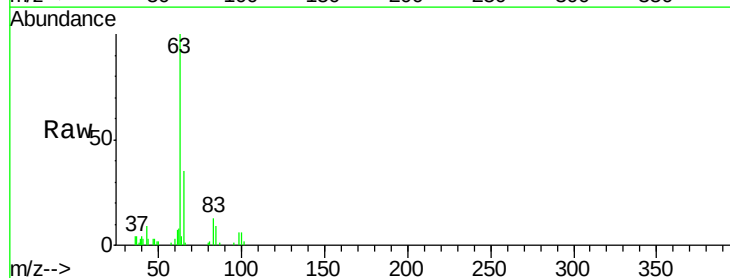
Tgt Ion: 63 Resp: 42938

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.5

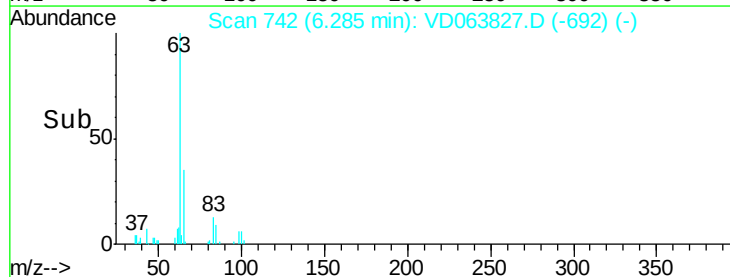
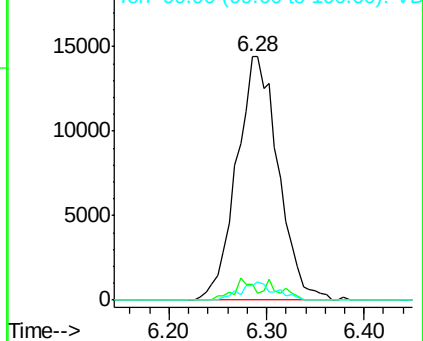
100 5.8 2.0 6.0



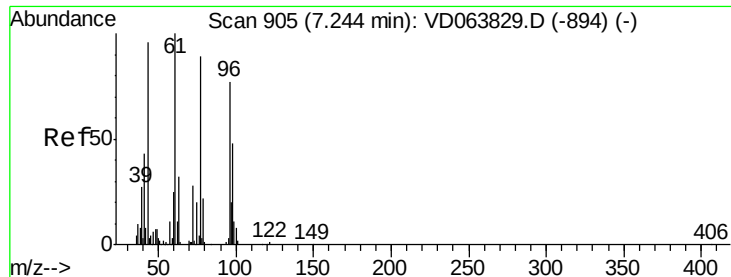
Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC







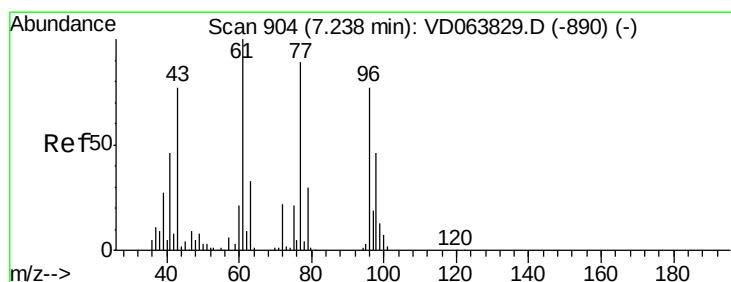
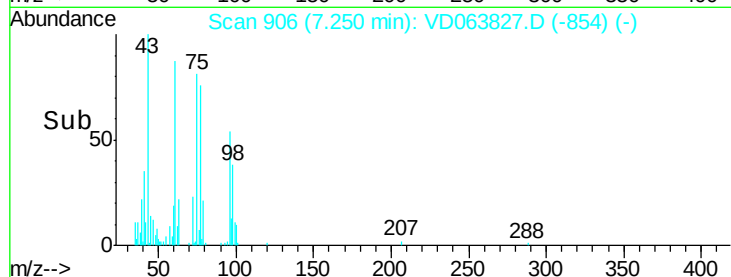
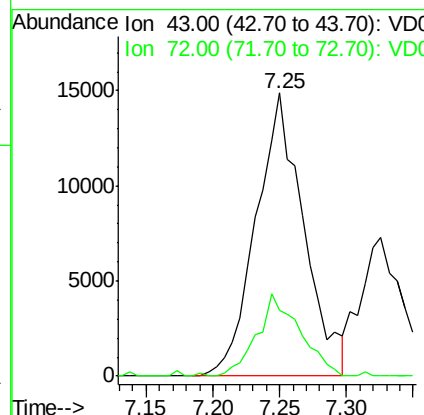
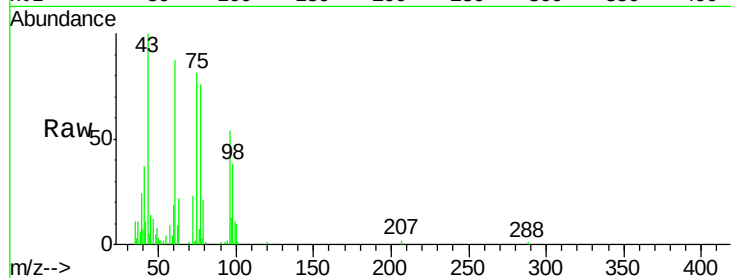
#25  
2-Butanone  
Concen: 55.183 ug/l  
RT: 7.25 min Scan# 906  
Delta R.T. 0.01 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

Tot Ion: 43 Resp: 36972  
Ion Ratio Lower Upper  
43 100  
72 23.4 23.5 35.3#

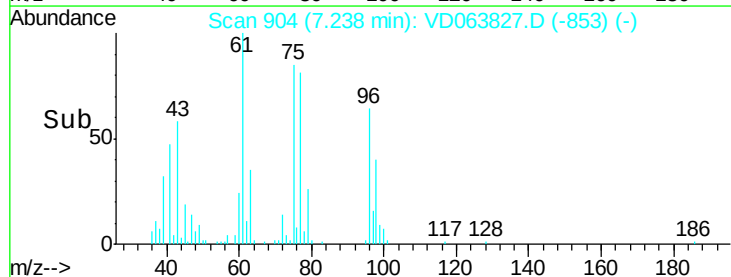
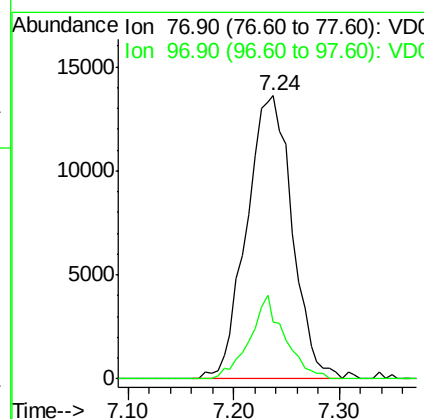
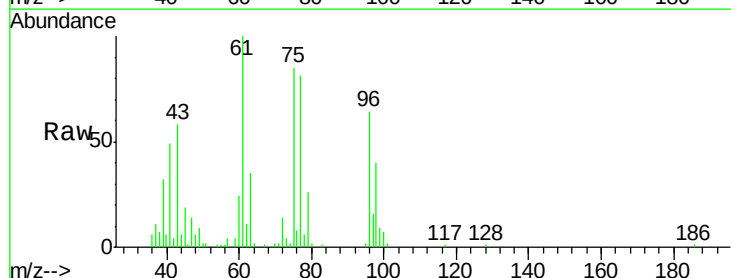
Manual Integrations  
APPROVED

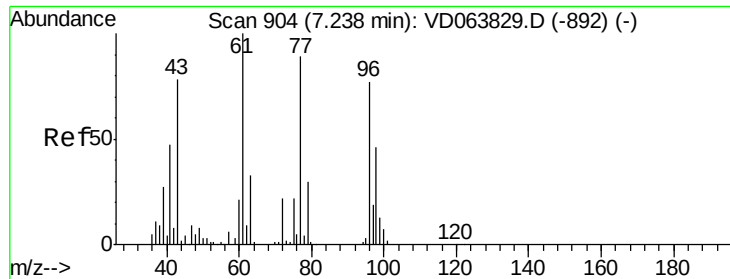
MMDadoda  
10/1/2019 9:26:03 AM



#26  
2,2-Dichloropropane  
Concen: 10.617 ug/l  
RT: 7.24 min Scan# 904  
Delta R.T. 0.00 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

Tgt Ion: 77 Resp: 40775  
Ion Ratio Lower Upper  
77 100  
97 22.7 10.9 32.7





#27

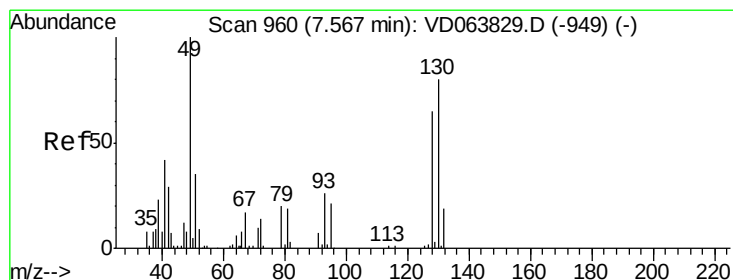
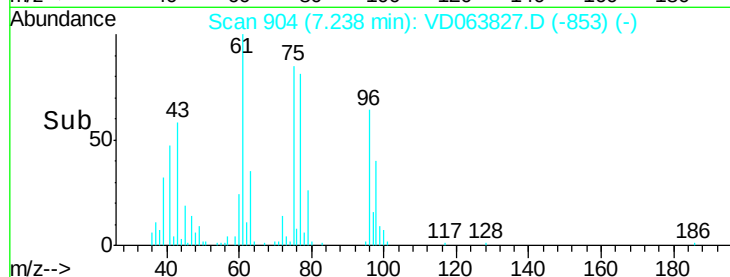
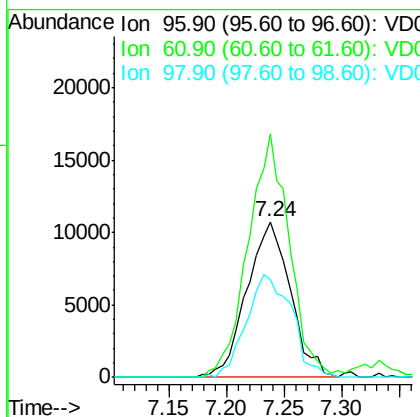
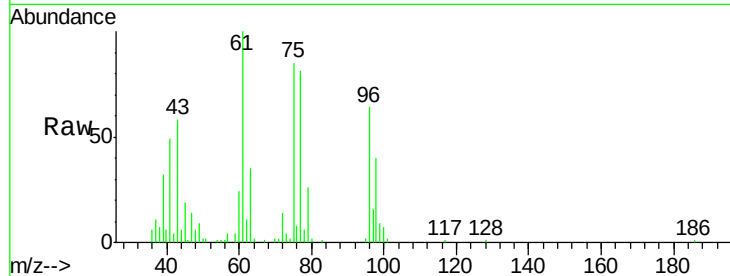
cis-1,2-Dichloroethene  
Concen: 10.426 ug/l  
RT: 7.24 min Scan# 904  
Delta R.T. 0.00 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 148.6 | 0.0  | 275.6 |       |
| 98      | 68.7  | 0.0  | 130.2 |       |

Manual Integrations  
APPROVED

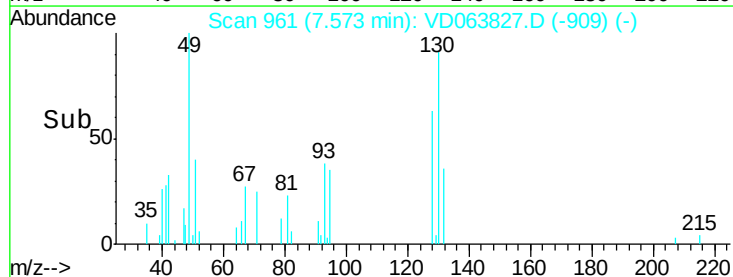
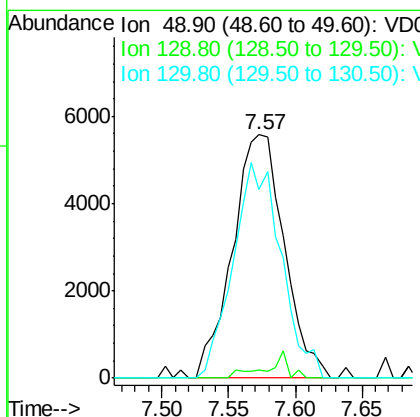
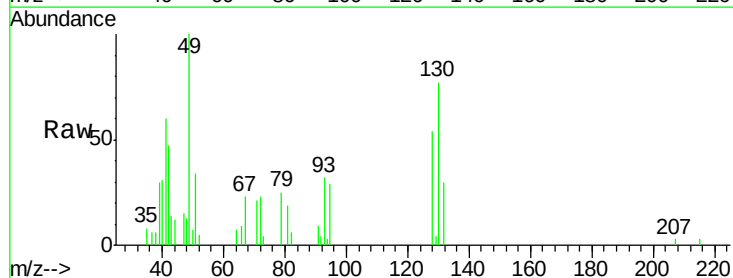
MMDadoda  
10/1/2019 9:26:03 AM

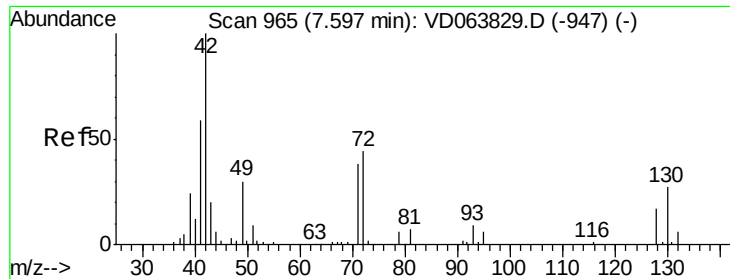


#28

Bromochloromethane  
Concen: 9.280 ug/l  
RT: 7.57 min Scan# 961  
Delta R.T. 0.01 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 0.0   | 0.0  | 2.6   |       |
| 130     | 82.5  | 67.0 | 100.4 |       |





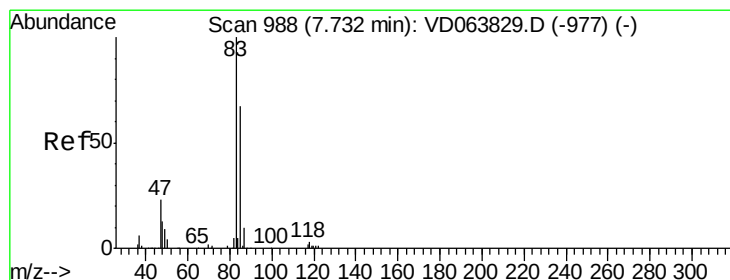
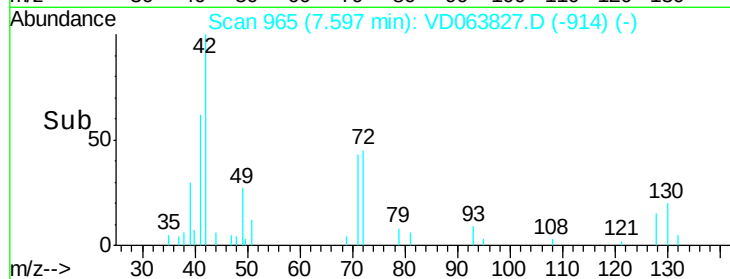
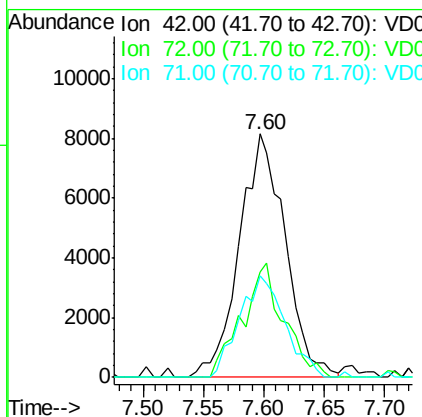
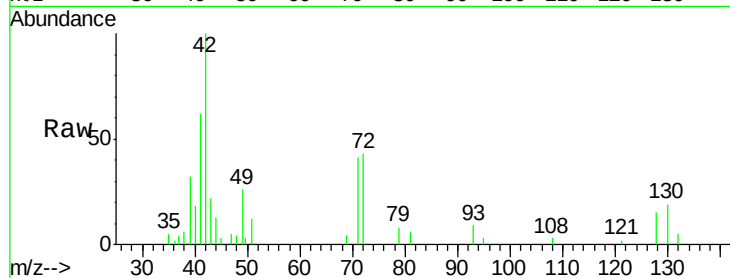
#29  
Tetrahydrofuran  
Concen: 53.600 ug/l  
RT: 7.60 min Scan# 965  
Delta R.T. 0.00 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 42.5  | 37.3  | 55.9  |
| 71      | 41.2  | 33.4  | 50.2  |

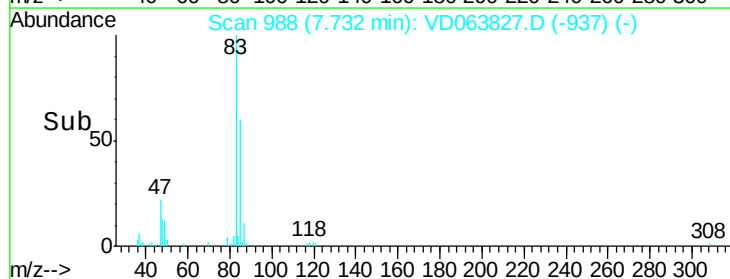
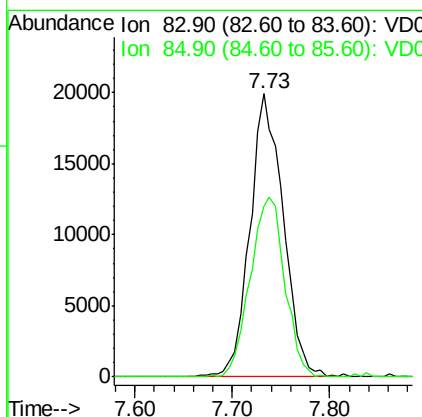
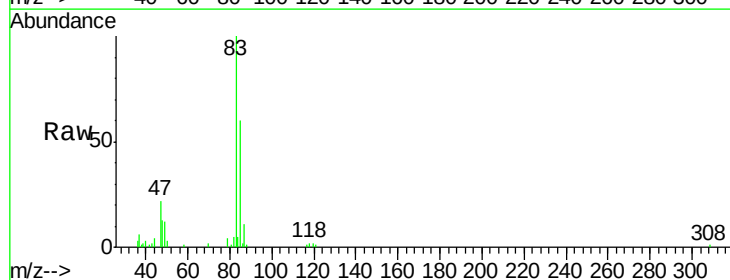
Manual Integrations  
APPROVED

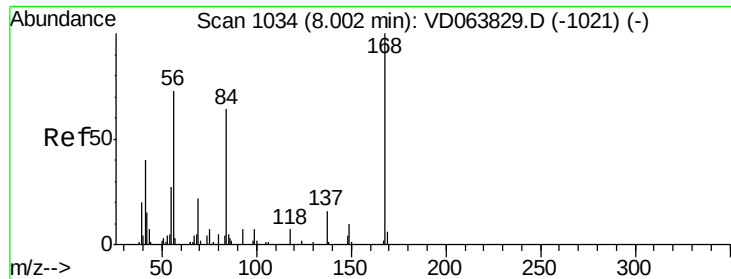
MMDadoda  
10/1/2019 9:26:03 AM



#30  
Chloroform  
Concen: 10.646 ug/l  
RT: 7.73 min Scan# 988  
Delta R.T. 0.00 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 60.1  | 53.4  | 80.2  |





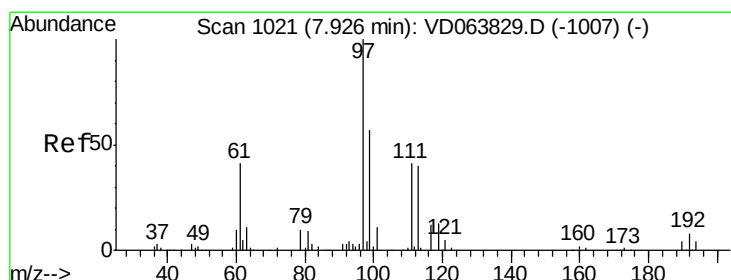
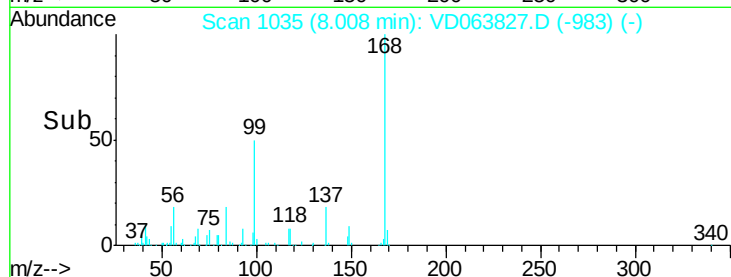
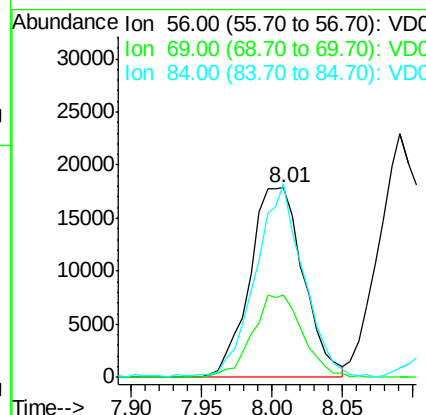
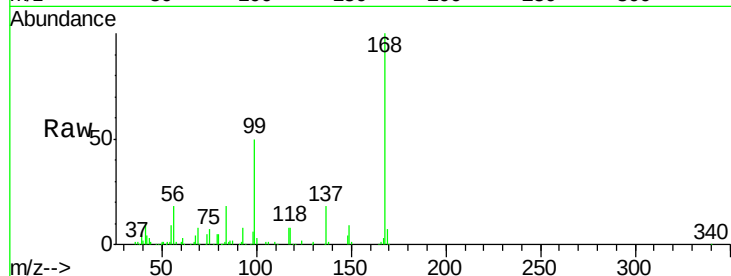
#31  
Cyclohexane  
Concen: 11.591 ug/l  
RT: 8.01 min Scan# 1035  
Delta R.T. 0.01 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 43.5  | 23.1  | 34.7# |
| 84      | 100.1 | 69.7  | 104.5 |

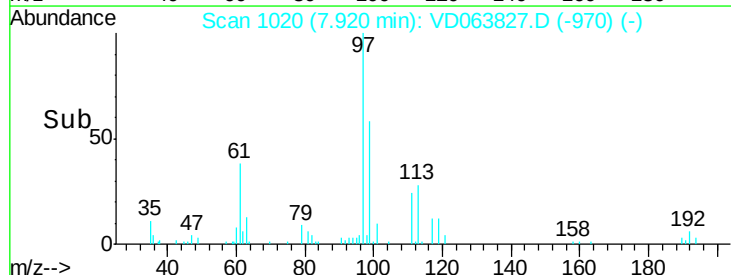
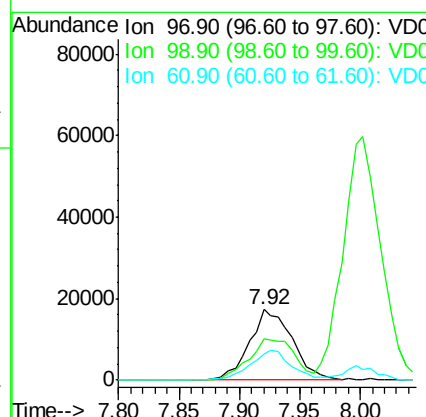
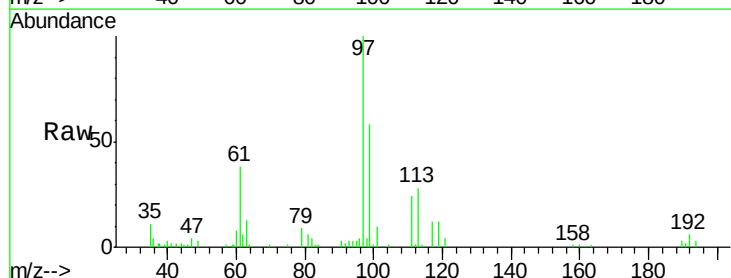
Manual Integrations  
APPROVED

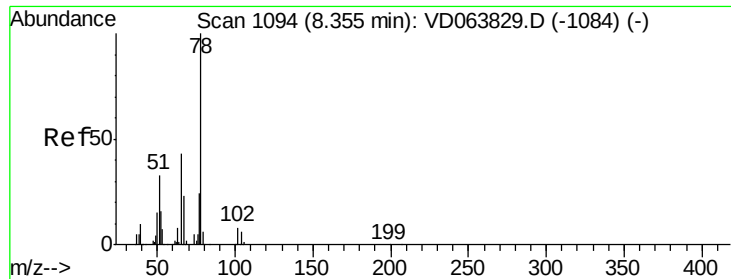
MMDadoda  
10/1/2019 9:26:03 AM



#32  
1,1,1-Trichloroethane  
Concen: 10.515 ug/l  
RT: 7.92 min Scan# 1020  
Delta R.T. -0.01 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.4  | 52.9  | 79.3  |
| 61      | 40.8  | 35.8  | 53.8  |





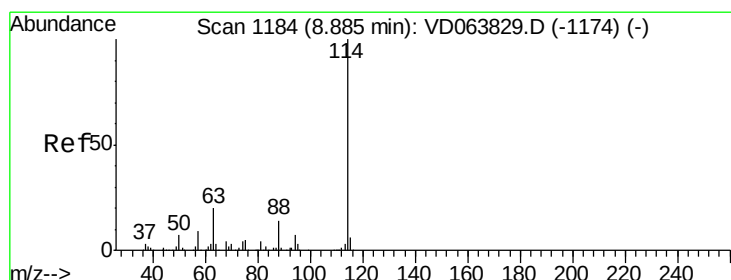
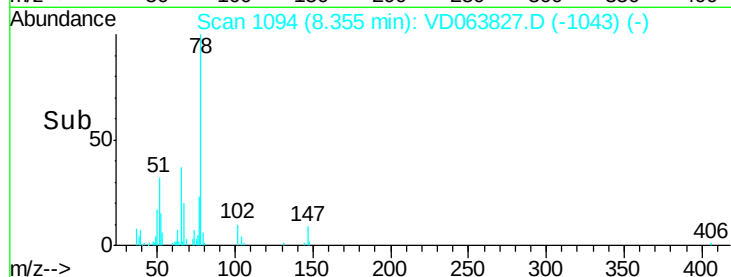
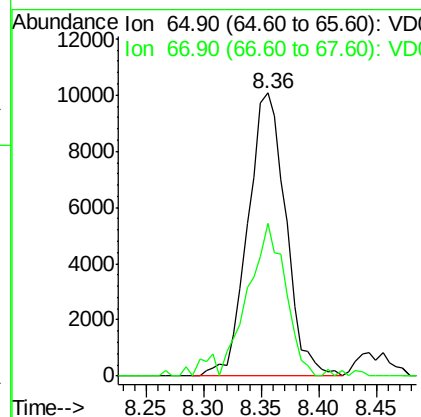
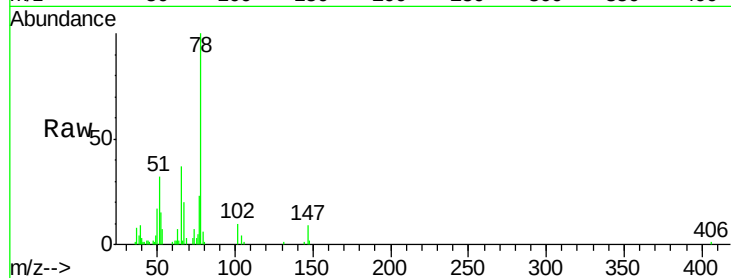
#33  
 1,2-Dichloroethane-d4  
 Concen: 10.093 ug/l  
 RT: 8.36 min Scan# 1094  
 Delta R.T. 0.00 min  
 Lab File: VD063827.D  
 Acq: 25 Sep 2019 17:25

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 52.8  | 0.0   | 107.4 |

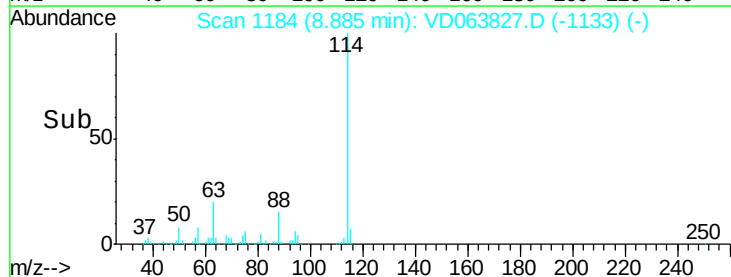
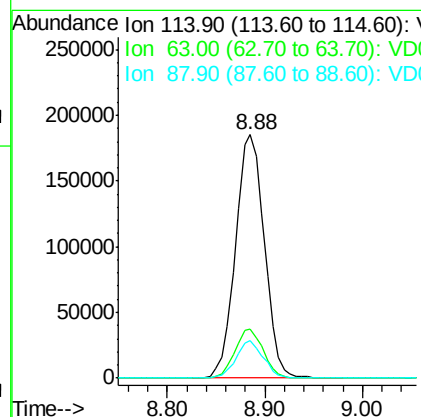
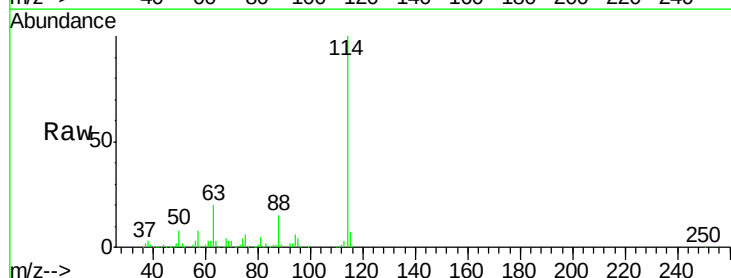
Manual Integrations  
 APPROVED

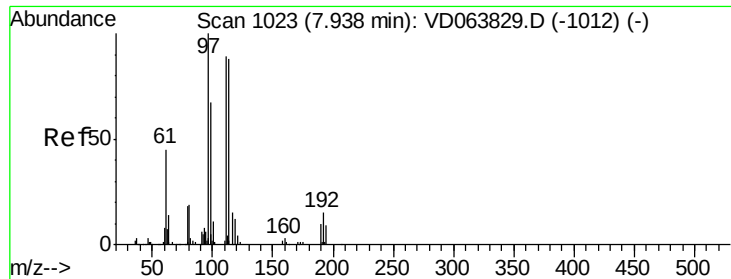
MMDadoda  
 10/1/2019 9:26:03 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.88 min Scan# 1184  
 Delta R.T. 0.00 min  
 Lab File: VD063827.D  
 Acq: 25 Sep 2019 17:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.0  | 0.0   | 39.2  |
| 88      | 15.5  | 0.0   | 28.4  |





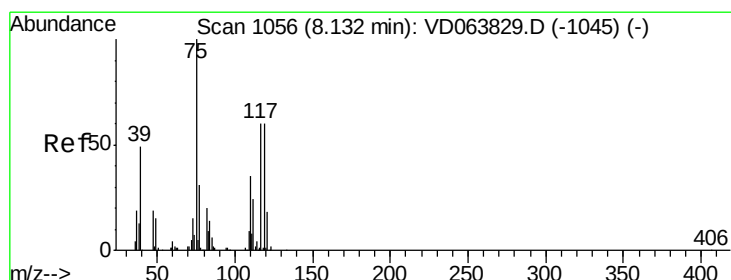
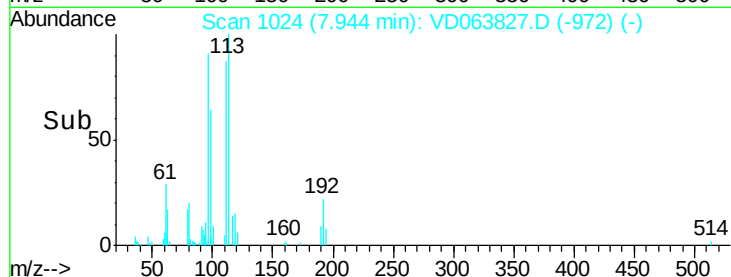
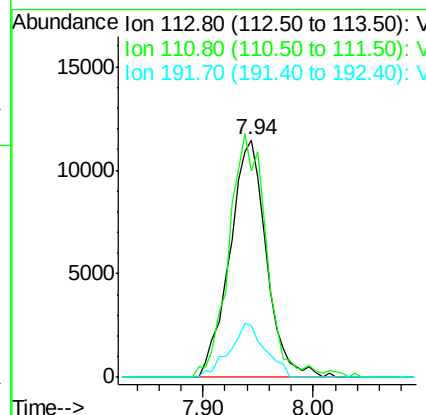
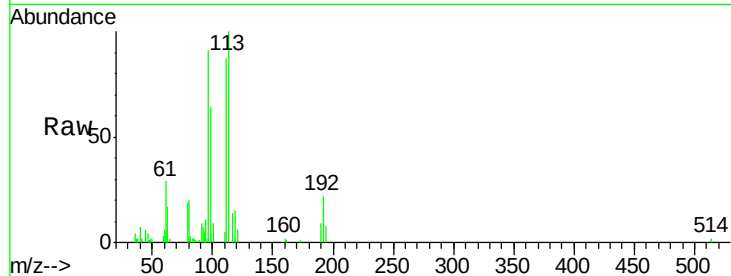
#35  
 Dibromofluoromethane  
 Concen: 10.994 ug/l  
 RT: 7.94 min Scan# 1024  
 Delta R.T. 0.01 min  
 Lab File: VD063827.D  
 Acq: 25 Sep 2019 17:25

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.2 | 77.7  | 116.5 |
| 192     | 22.2  | 15.9  | 23.9  |

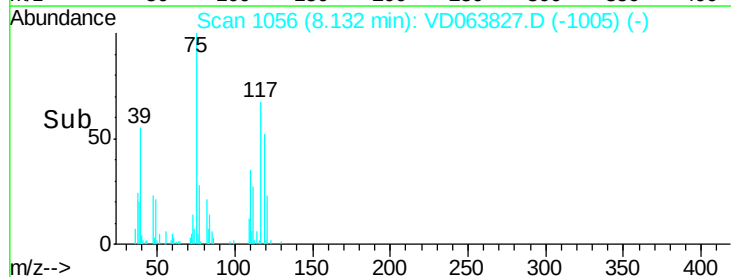
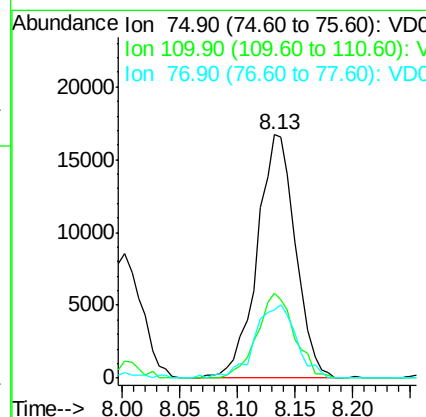
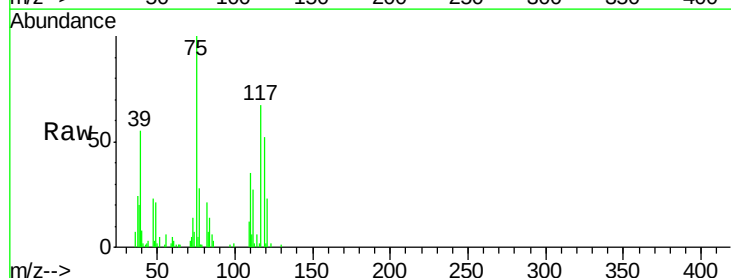
Manual Integrations  
 APPROVED

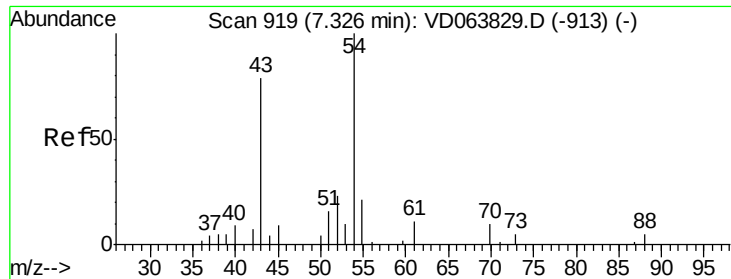
MMDadoda  
 10/1/2019 9:26:03 AM



#36  
 1,1-Dichloropropene  
 Concen: 11.124 ug/l  
 RT: 8.13 min Scan# 1056  
 Delta R.T. 0.00 min  
 Lab File: VD063827.D  
 Acq: 25 Sep 2019 17:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 34.2  | 17.5  | 52.5  |
| 77      | 32.6  | 24.9  | 37.3  |





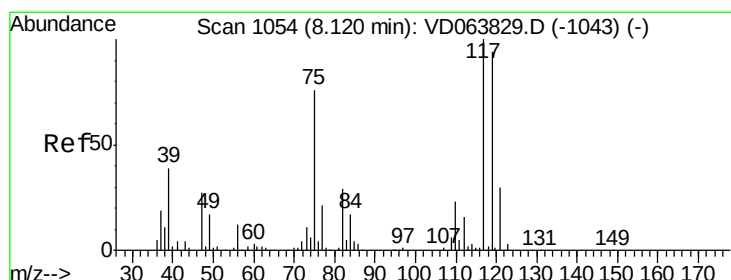
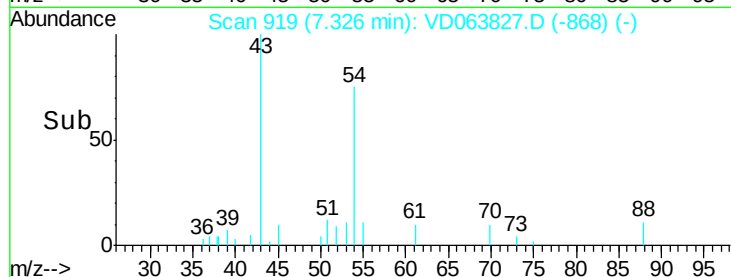
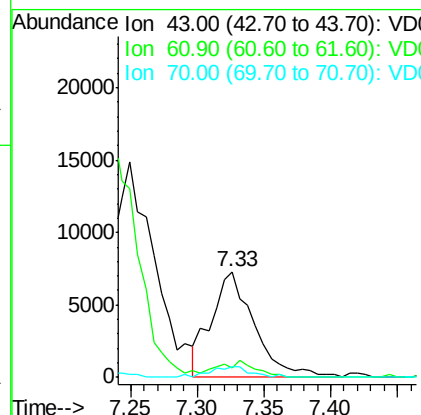
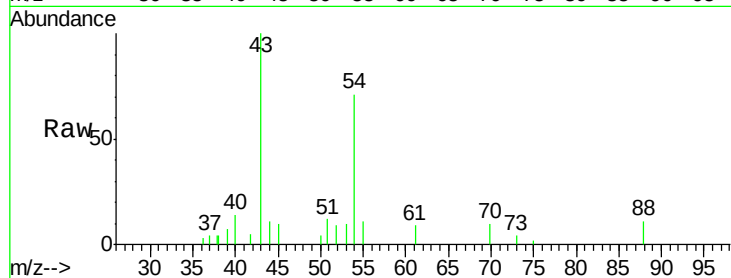
#37  
Ethyl Acetate  
Concen: 11.354 ug/l  
RT: 7.33 min Scan# 919  
Delta R.T. 0.00 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

| Tot Ion   | 43   | Resp  | 16473 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 61        | 13.7 | 12.7  | 19.1  |
| 70        | 9.5  | 8.3   | 12.5  |

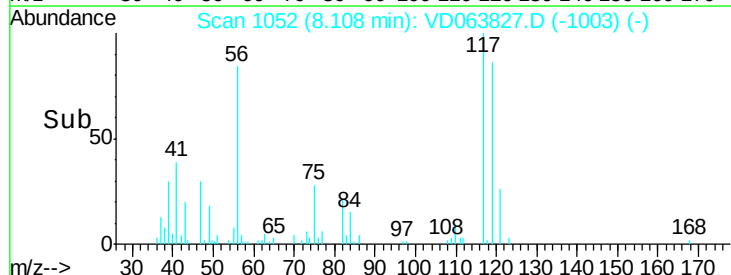
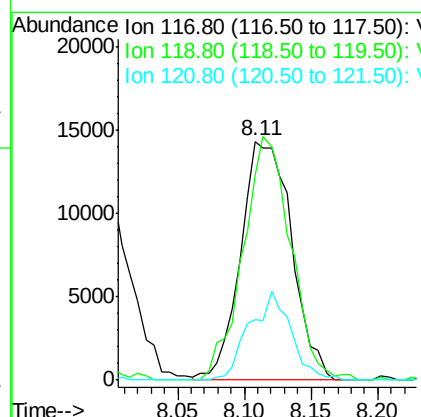
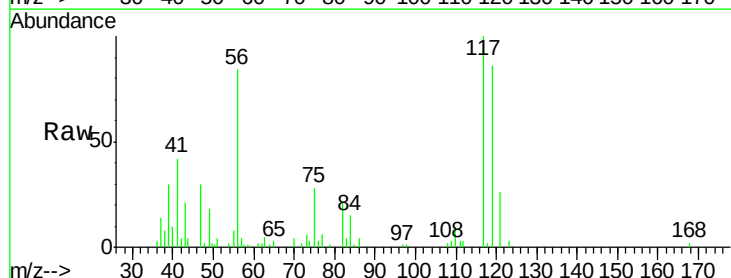
Manual Integrations  
APPROVED

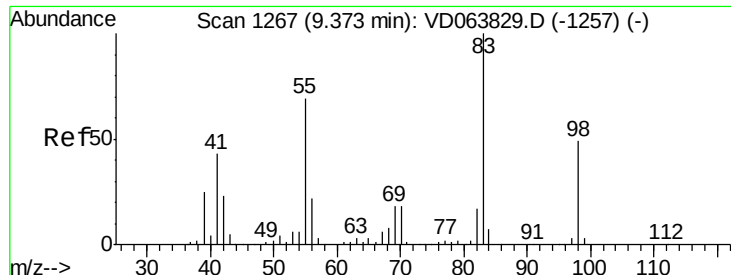
MMDadoda  
10/1/2019 9:26:03 AM



#38  
Carbon Tetrachloride  
Concen: 10.451 ug/l  
RT: 8.11 min Scan# 1052  
Delta R.T. -0.01 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

| Tgt Ion   | 117  | Resp  | 37788 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 119       | 86.1 | 75.2  | 112.8 |
| 121       | 25.6 | 23.9  | 35.9  |





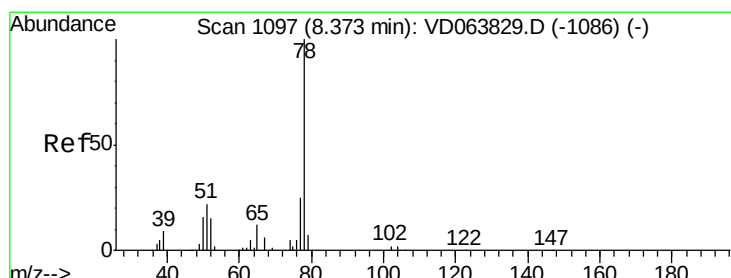
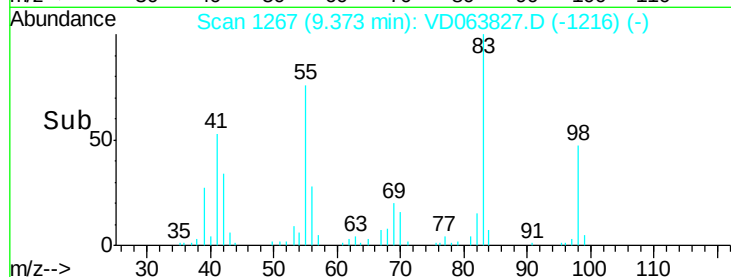
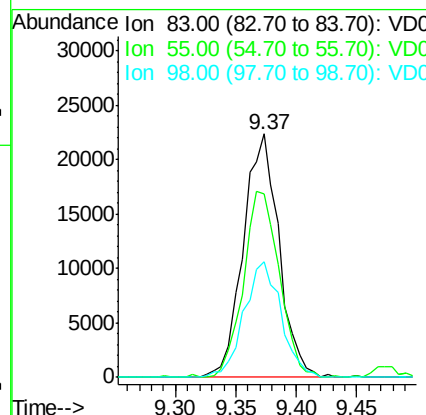
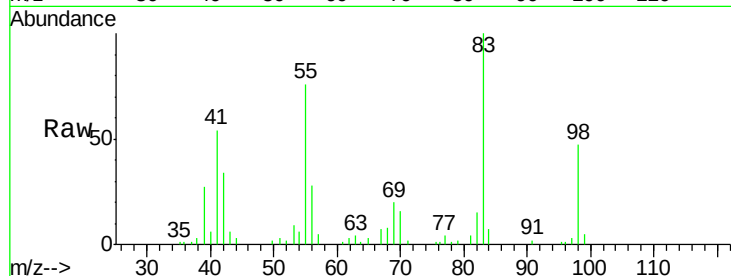
#39  
Methylvlcyclohexane  
Concen: 10.640 ug/l  
RT: 9.37 min Scan# 1267  
Delta R.T. 0.00 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

| Tot Ion   | 83   | Resp  | 46023 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 55        | 75.6 | 54.9  | 82.3  |
| 98        | 47.4 | 39.0  | 58.6  |

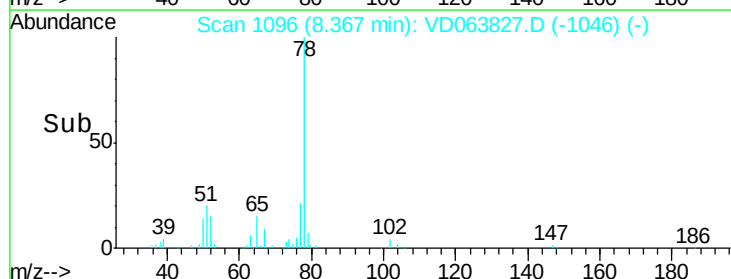
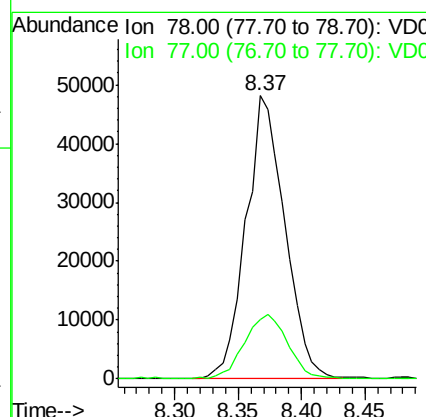
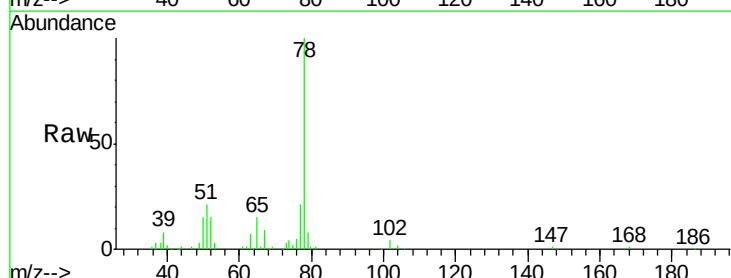
Manual Integrations  
APPROVED

MMDadoda  
10/1/2019 9:26:03 AM

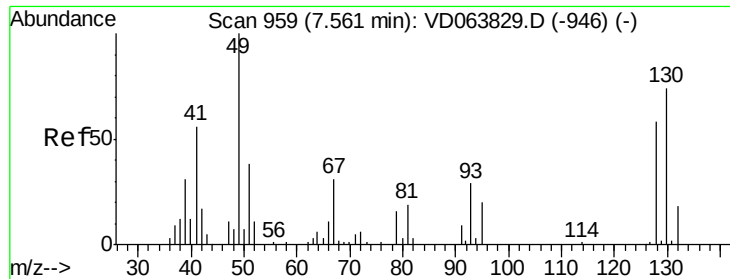


#40  
Benzene  
Concen: 10.732 ug/l  
RT: 8.37 min Scan# 1096  
Delta R.T. -0.01 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

| Tgt Ion   | 78   | Resp  | 102671 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 78        | 100  |       |        |
| 77        | 20.9 | 19.8  | 29.6   |







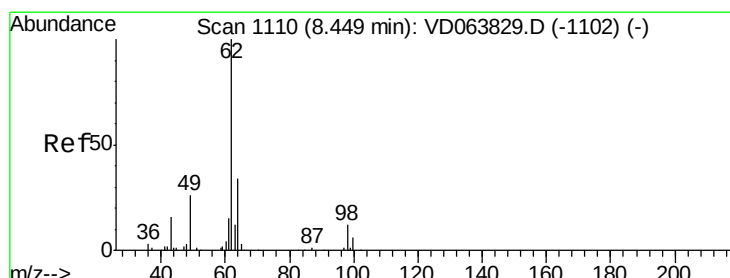
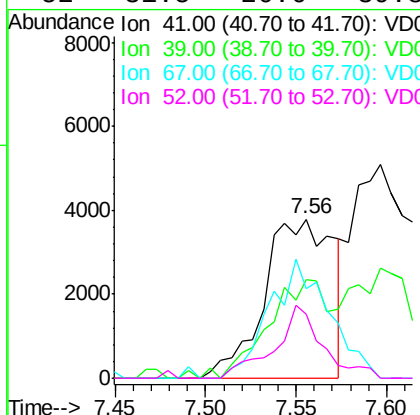
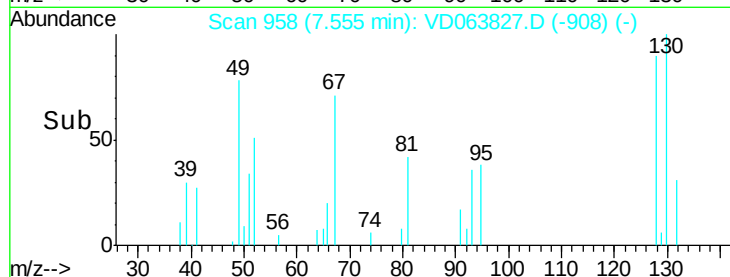
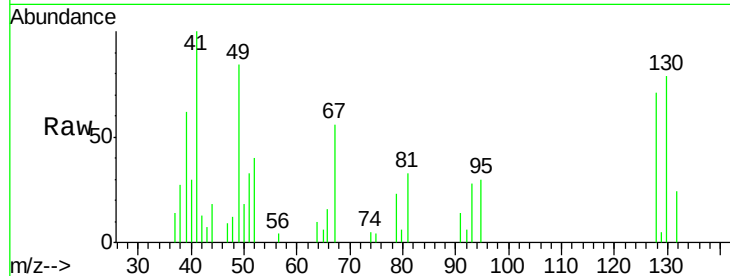
#41  
Methacrylonitrile  
Concen: 11.836 ug/l  
RT: 7.56 min Scan# 958  
Delta R.T. -0.01 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 41    | Resp: | 10142 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 39        | 51.0  | 52.2  | 78.4# |
| 67        | 64.2  | 58.6  | 87.8  |
| 52        | 31.5  | 26.6  | 39.8  |

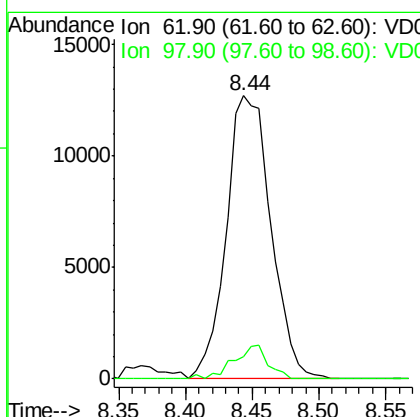
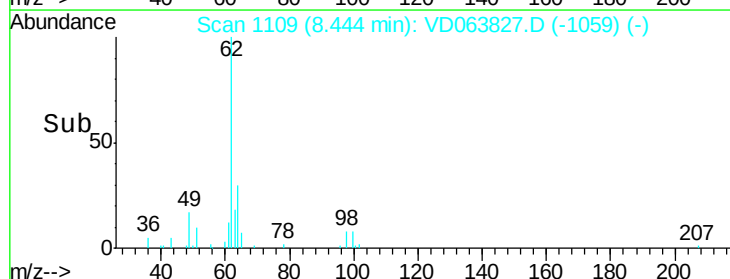
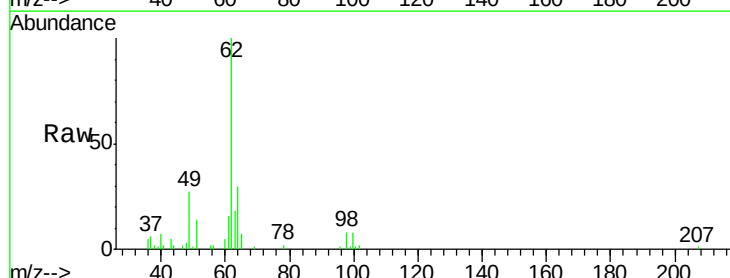
Manual Integrations  
APPROVED

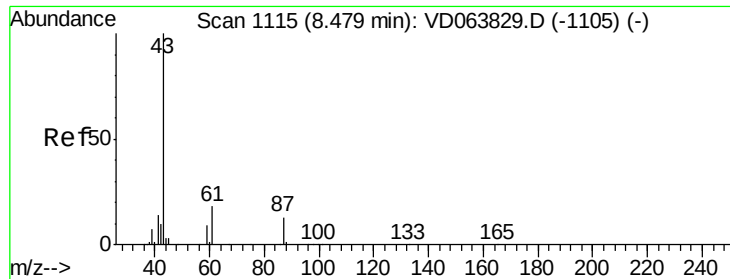
MMDadoda  
10/1/2019 9:26:03 AM



#42  
1,2-Dichloroethane  
Concen: 10.545 ug/l  
RT: 8.44 min Scan# 1109  
Delta R.T. -0.01 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 62    | Resp: | 29501 |
| Ion Ratio | Lower | Upper |       |
| 62        | 100   |       |       |
| 98        | 9.0   | 0.0   | 19.6  |





#43

Isopropyl Acetate

Concen: 10.856 ug/l

RT: 8.48 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA\_D

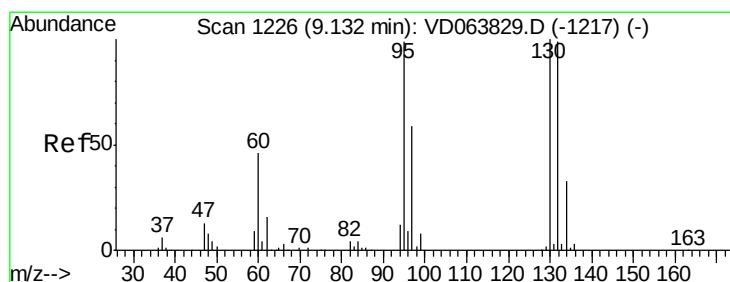
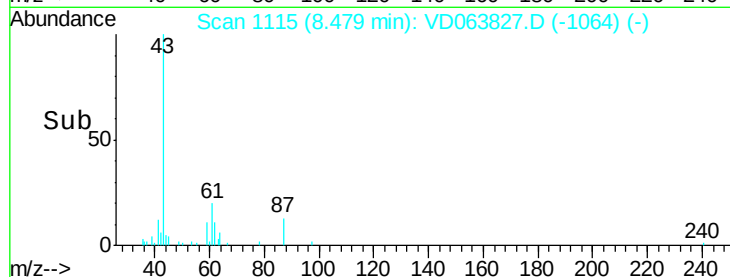
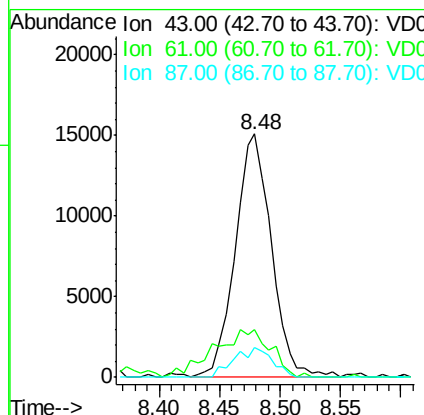
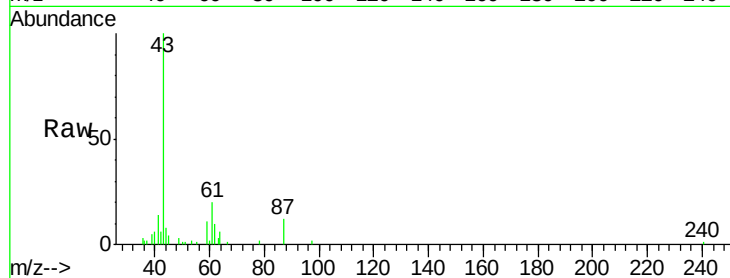
ClientSampleId :

VSTDIC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 31575 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 31.0  | 24.6  | 37.0  |
| 87       | 12.9  | 10.5  | 15.7  |

Manual Integrations  
APPROVED

MMDadoda  
10/1/2019 9:26:03 AM



#44

Trichloroethene

Concen: 10.678 ug/l

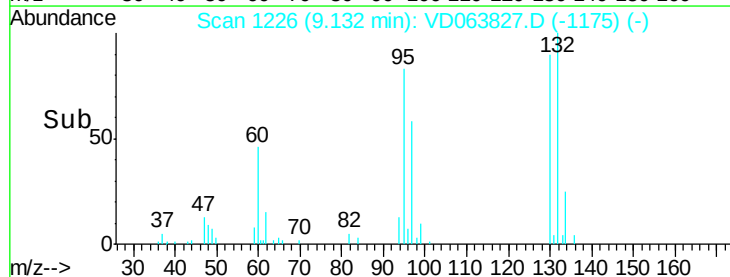
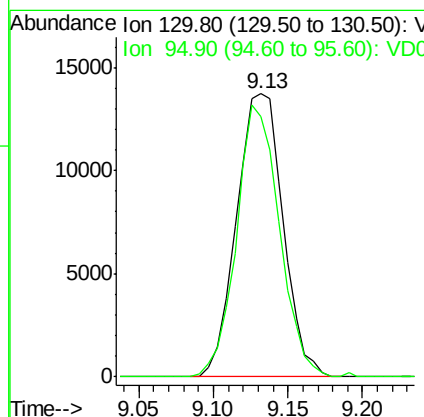
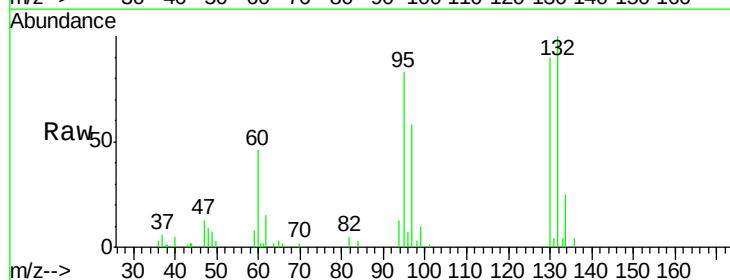
RT: 9.13 min Scan# 1226

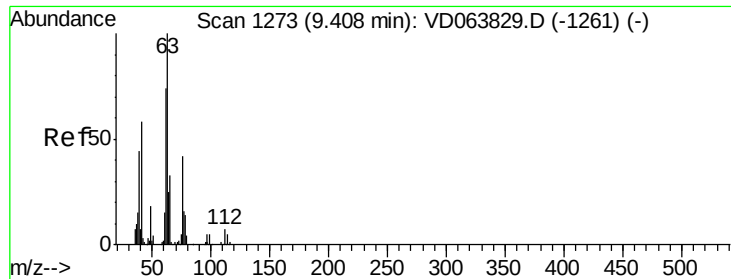
Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 29584 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 92.0  | 0.0   | 198.6 |





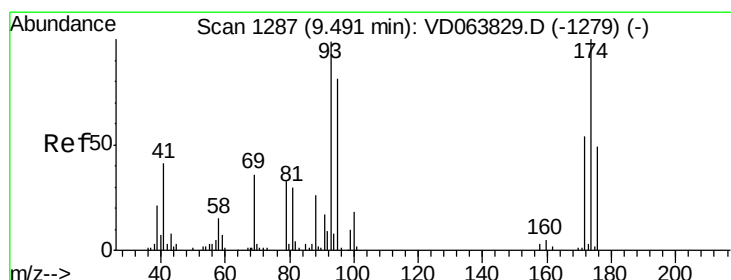
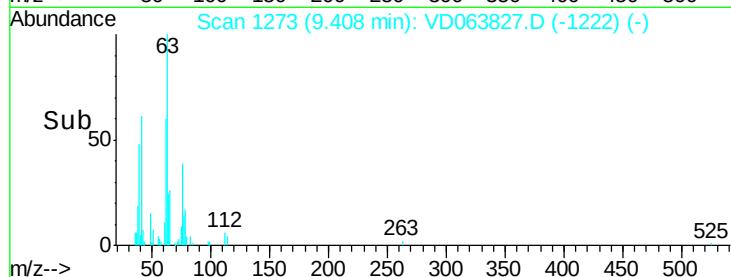
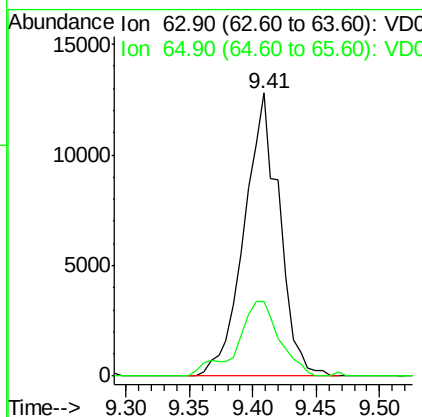
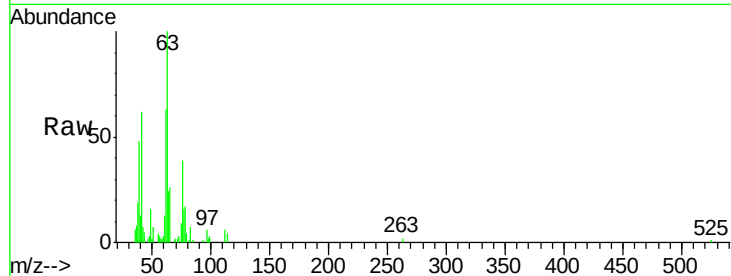
#45  
 1,2-Dichloropropane  
 Concen: 10.437 ug/l  
 RT: 9.41 min Scan# 1273  
 Delta R.T. 0.00 min  
 Lab File: VD063827.D  
 Acq: 25 Sep 2019 17:25

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

Tot Ion: 63 Resp: 24666  
 Ion Ratio Lower Upper  
 63 100  
 65 26.5 26.8 40.2#

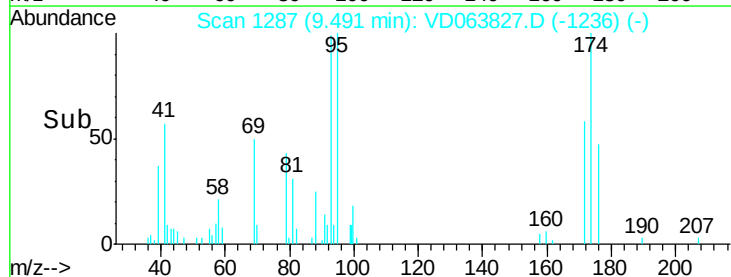
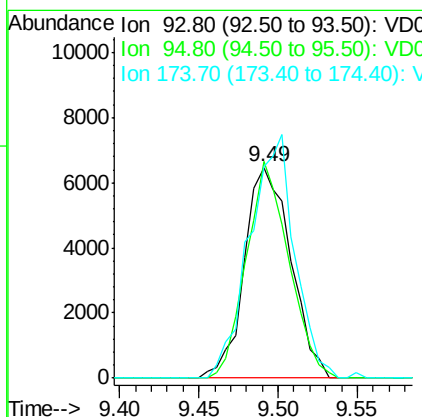
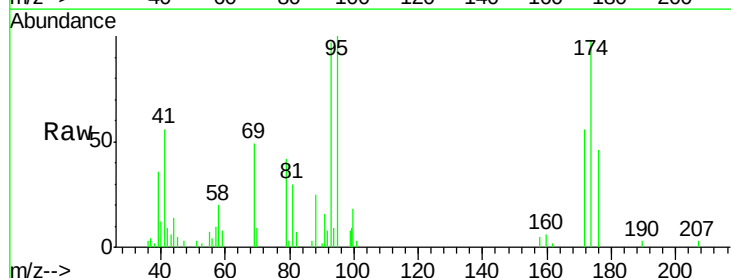
Manual Integrations  
 APPROVED

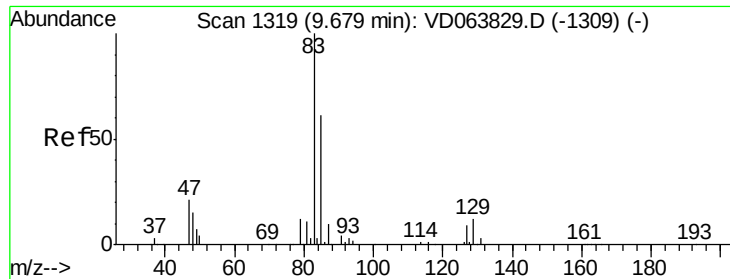
MMDadoda  
 10/1/2019 9:26:03 AM



#46  
 Dibromomethane  
 Concen: 9.882 ug/l  
 RT: 9.49 min Scan# 1287  
 Delta R.T. 0.00 min  
 Lab File: VD063827.D  
 Acq: 25 Sep 2019 17:25

Tgt Ion: 93 Resp: 13182  
 Ion Ratio Lower Upper  
 93 100  
 95 93.9 63.8 95.8  
 174 112.7 84.2 126.2





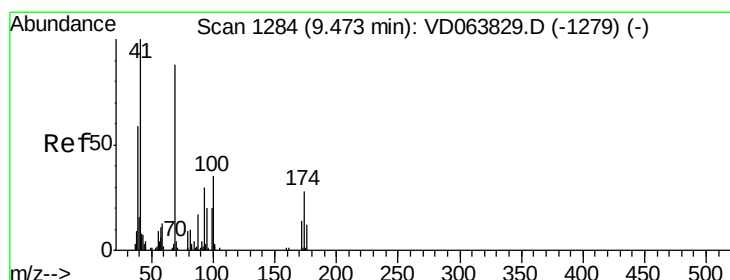
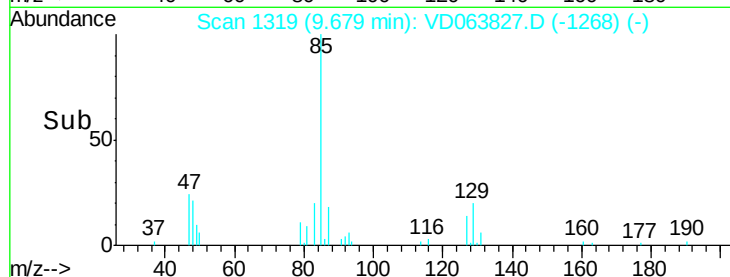
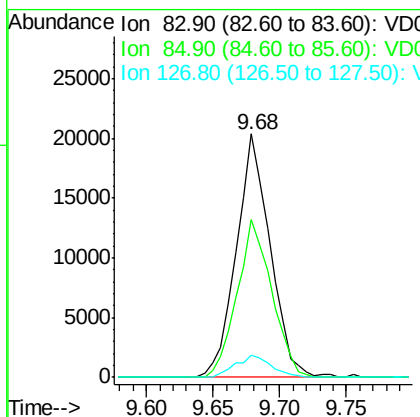
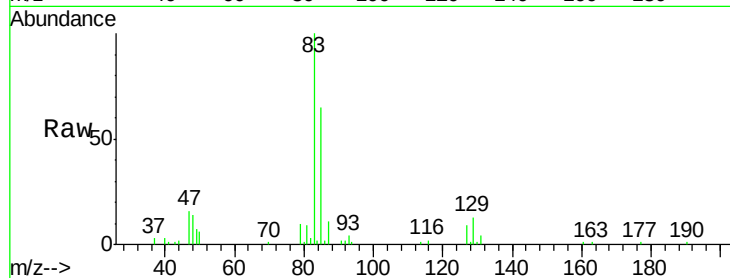
#47  
Bromodichloromethane  
Concen: 10.417 ug/l  
RT: 9.68 min Scan# 1319  
Delta R.T. 0.00 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.7  | 48.6  | 73.0  |
| 127     | 9.3   | 6.9   | 10.3  |

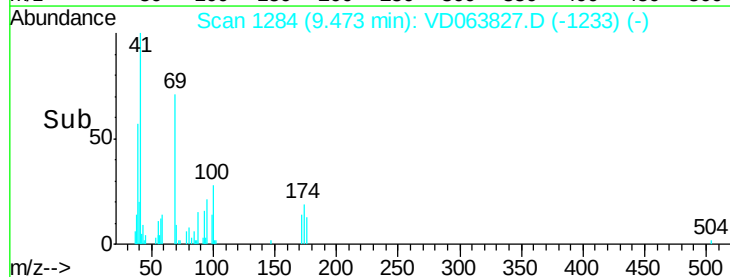
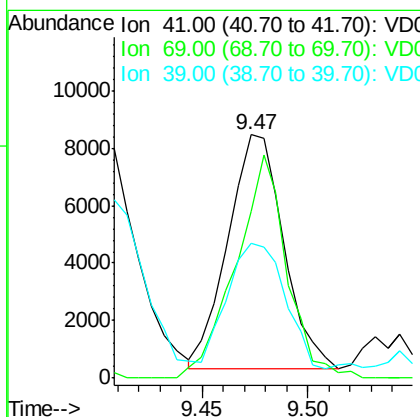
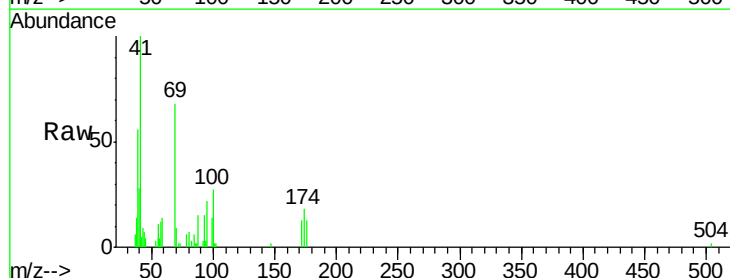
Manual Integrations  
APPROVED

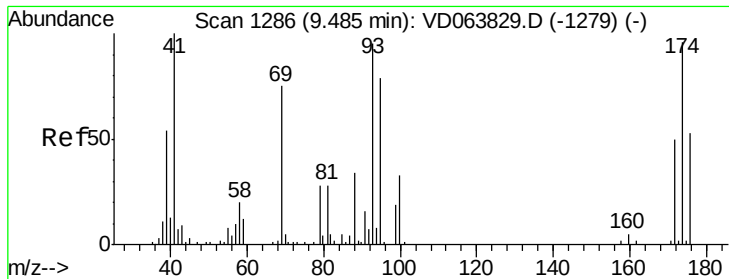
MMDadoda  
10/1/2019 9:26:03 AM



#48  
Methyl methacrylate  
Concen: 11.269 ug/l  
RT: 9.47 min Scan# 1284  
Delta R.T. 0.00 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 87.5  | 71.7  | 107.5 |
| 39      | 63.1  | 51.7  | 77.5  |





#49

1,4-Dioxane

Concen: 214.528 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

Tot Ion: 88 Resp: 3992

Ion Ratio Lower Upper

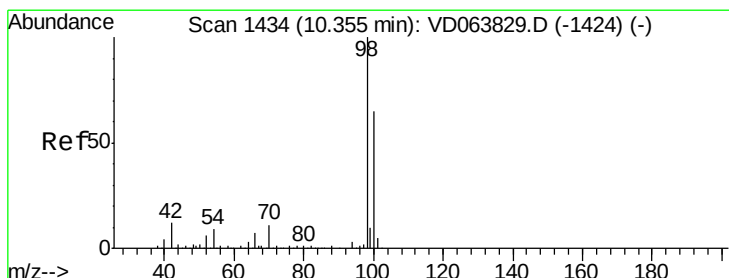
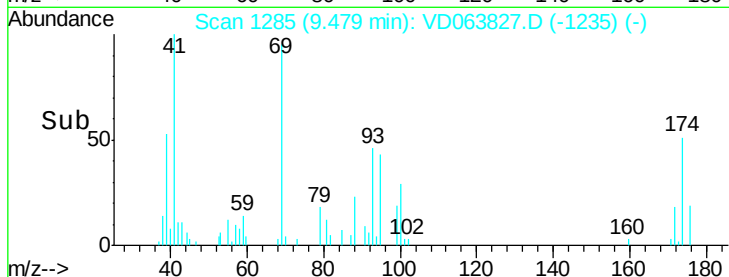
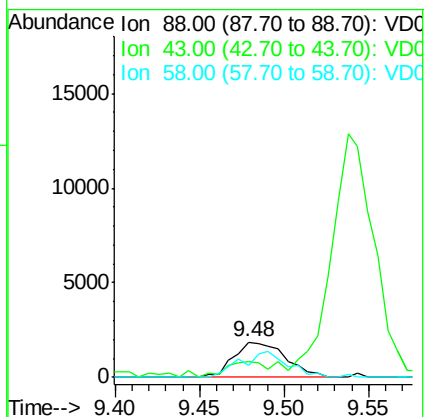
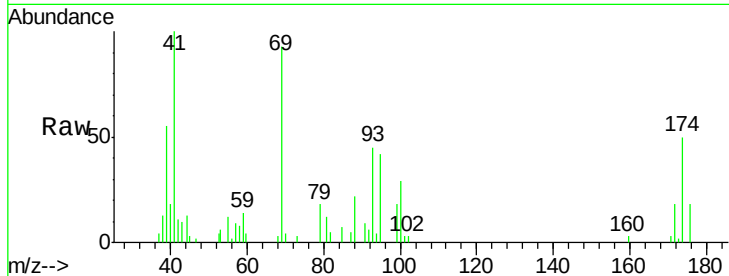
88 100

43 34.0 25.8 38.6

58 66.3 55.9 83.9

Manual Integrations  
APPROVED

MMDadoda  
10/1/2019 9:26:03 AM



#50

Toluene-d8

Concen: 9.912 ug/l

RT: 10.36 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VD063827.D

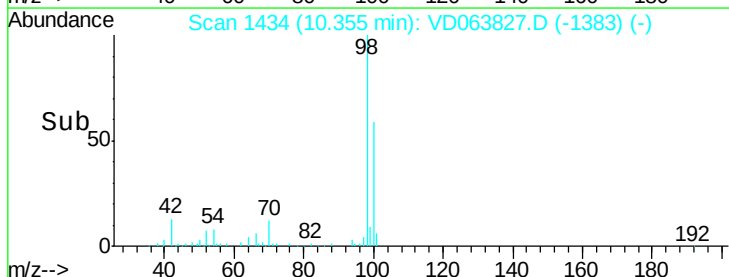
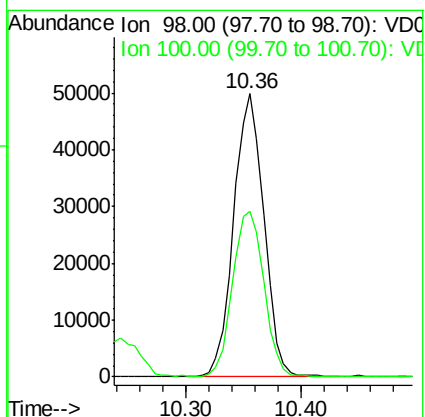
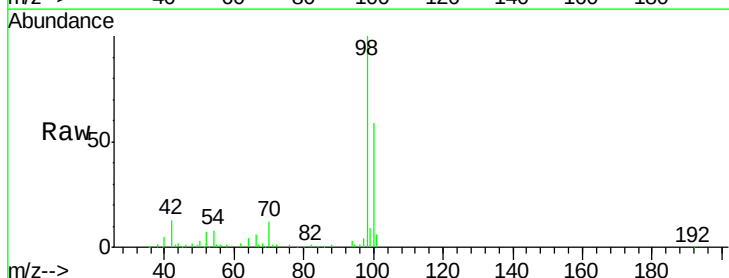
Acq: 25 Sep 2019 17:25

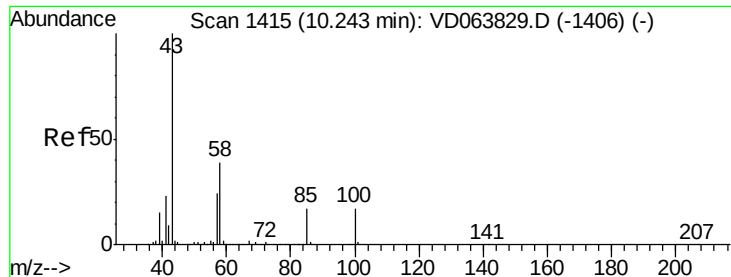
Tgt Ion: 98 Resp: 90206

Ion Ratio Lower Upper

98 100

100 60.8 51.6 77.4





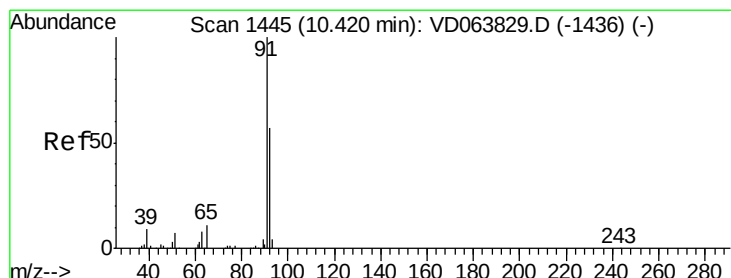
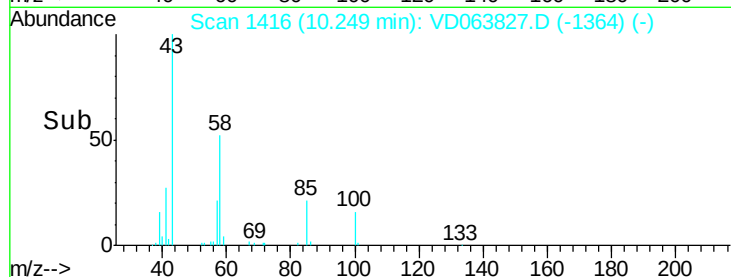
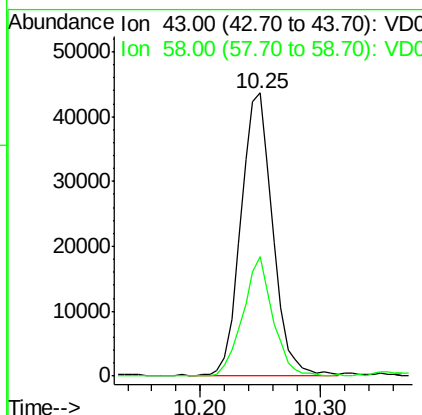
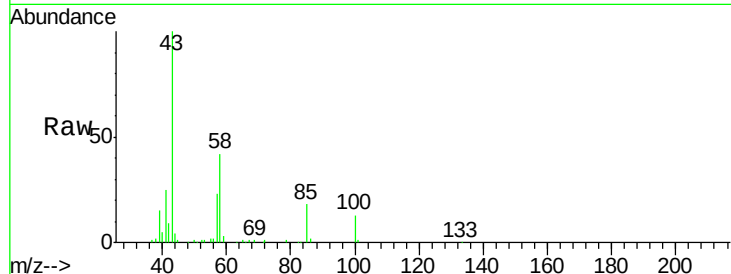
#51  
4-Methyl-2-Pentanone  
Concen: 54.968 ug/l  
RT: 10.25 min Scan# 1416  
Delta R.T. 0.01 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 39.5  | 30.9  | 46.3  |

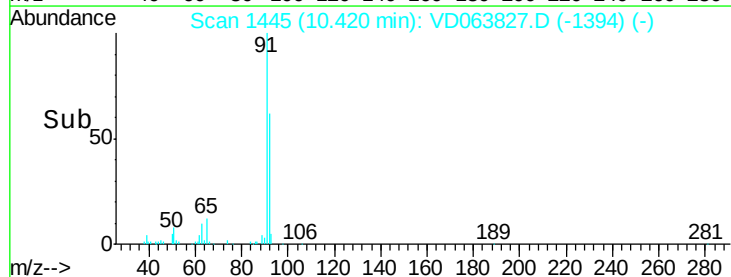
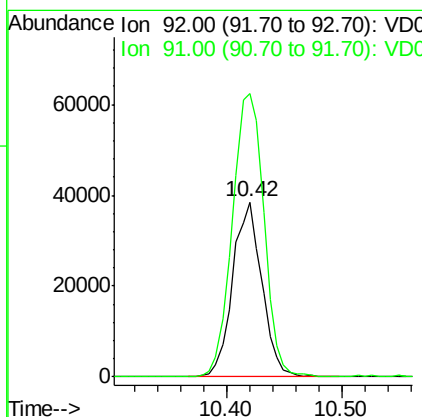
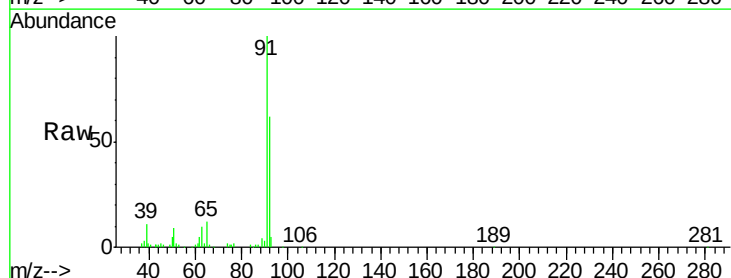
Manual Integrations  
APPROVED

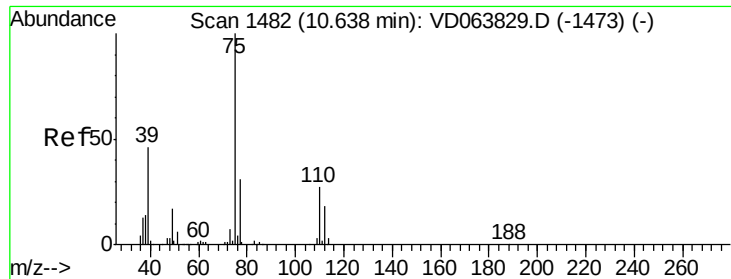
MMDadoda  
10/1/2019 9:26:03 AM



#52  
Toluene  
Concen: 10.412 ug/l  
RT: 10.42 min Scan# 1445  
Delta R.T. 0.00 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 174.9 | 139.7 | 209.5 |





#53

t-1,3-Dichloropropene

Concen: 10.263 ug/l

RT: 10.64 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 34979

Ion Ratio Lower Upper

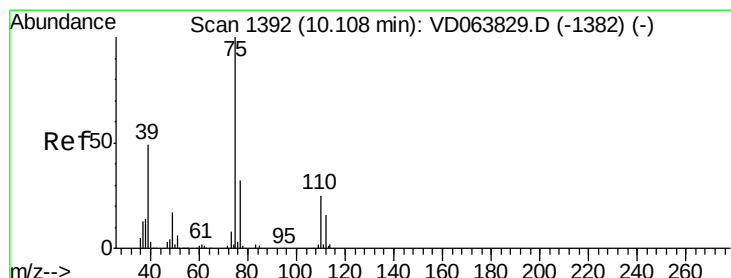
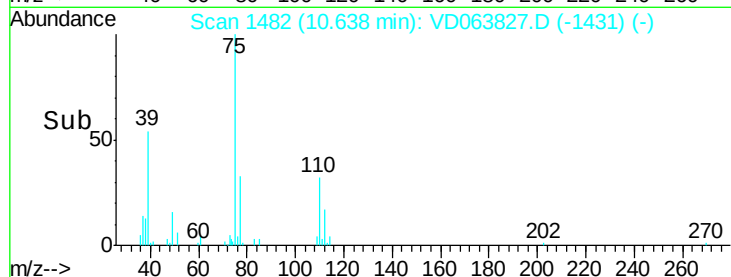
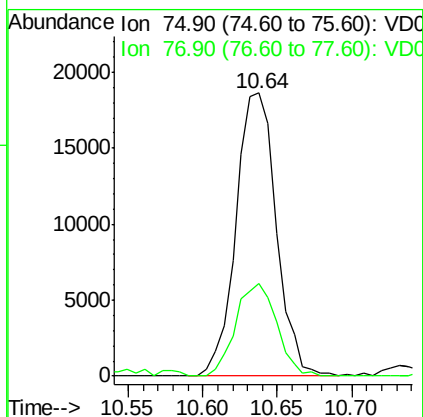
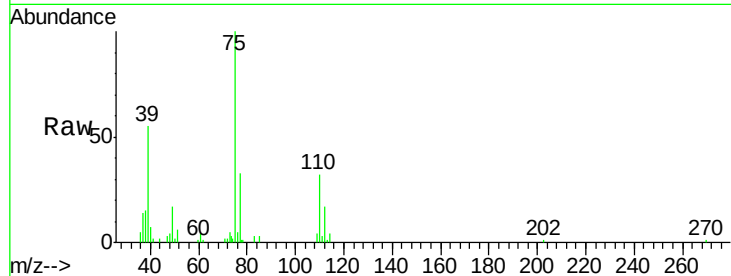
75 100

77 32.6 24.9 37.3

Manual Integrations  
APPROVED

MMDadoda

10/1/2019 9:26:03 AM



#54

cis-1,3-Dichloropropene

Concen: 10.413 ug/l

RT: 10.11 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

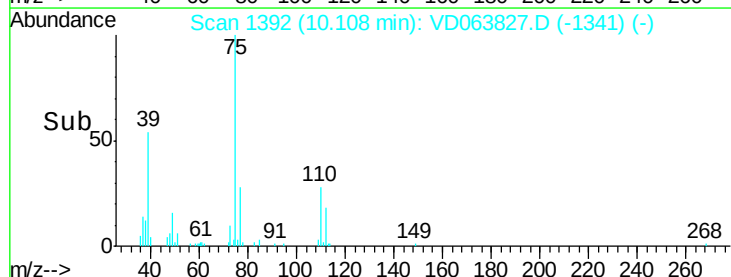
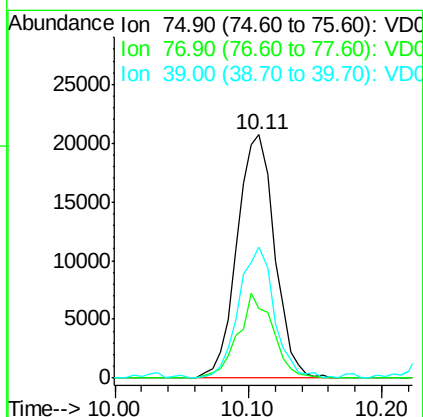
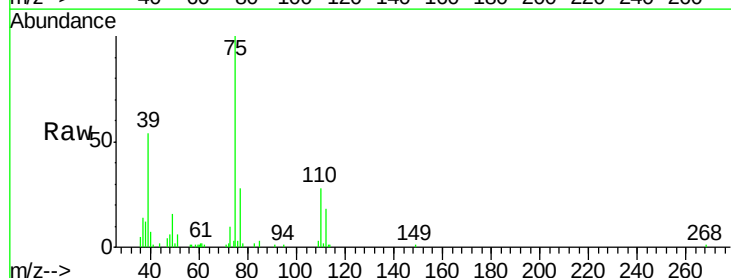
Tgt Ion: 75 Resp: 40286

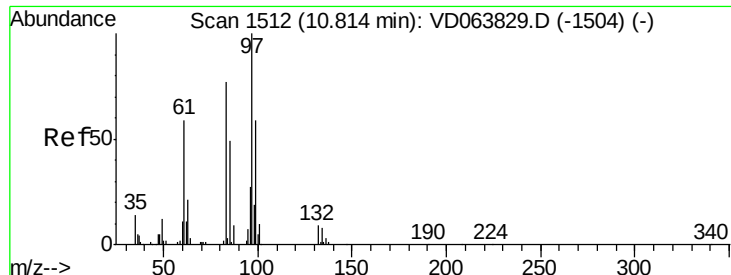
Ion Ratio Lower Upper

75 100

77 28.4 25.8 38.8

39 53.6 39.5 59.3





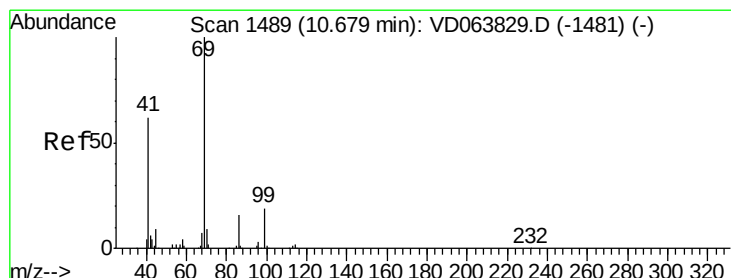
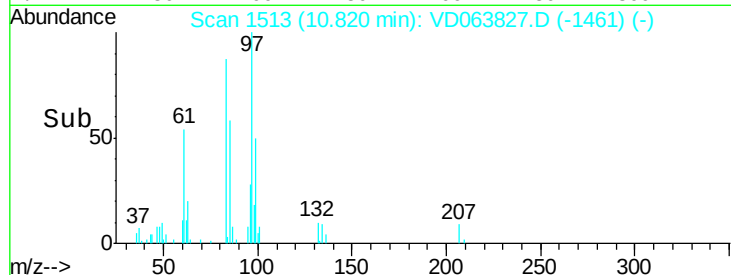
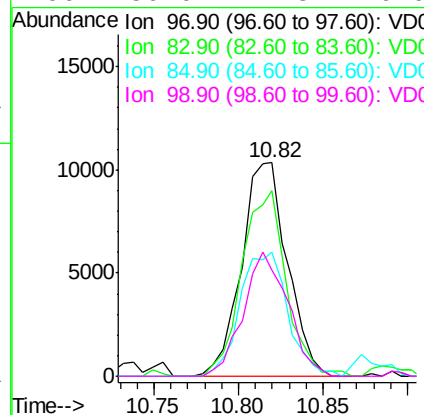
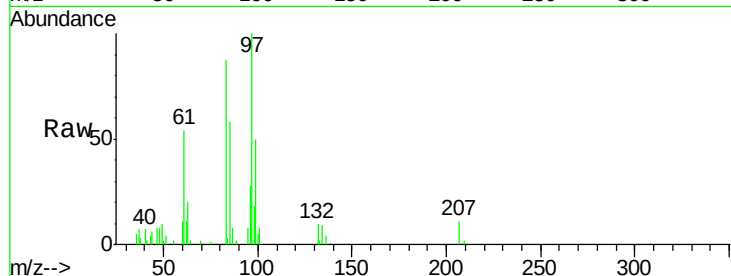
#55  
 1,1,2-Trichloroethane  
 Concen: 10.356 ug/l  
 RT: 10.82 min Scan# 1513  
 Delta R.T. 0.01 min  
 Lab File: VD063827.D  
 Acq: 25 Sep 2019 17:25

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 19520 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 86.8  | 61.9  | 92.9  |
| 85       | 58.4  | 39.4  | 59.2  |
| 99       | 50.0  | 47.3  | 70.9  |

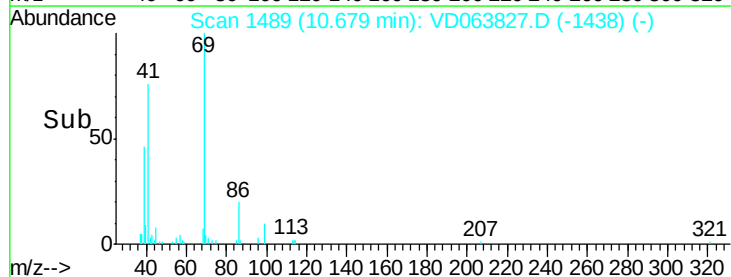
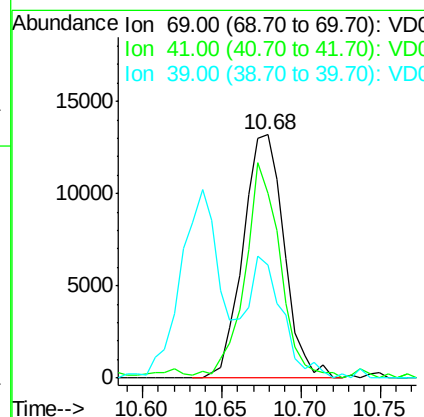
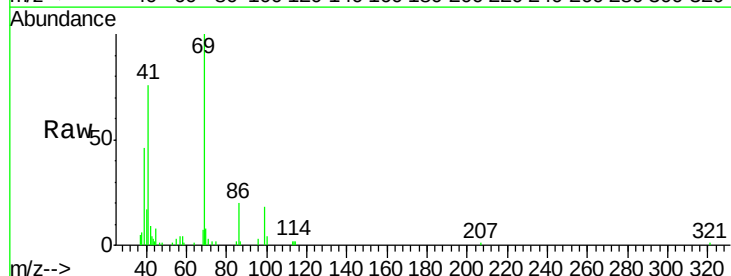
Manual Integrations  
 APPROVED

MMDadoda  
 10/1/2019 9:26:03 AM

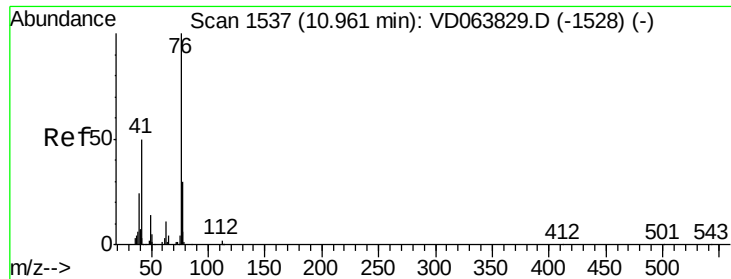


#56  
 Ethyl methacrylate  
 Concen: 9.891 ug/l  
 RT: 10.68 min Scan# 1489  
 Delta R.T. 0.00 min  
 Lab File: VD063827.D  
 Acq: 25 Sep 2019 17:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 23695 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 76.4  | 52.2  | 78.4  |
| 39       | 39.9  | 28.7  | 43.1  |







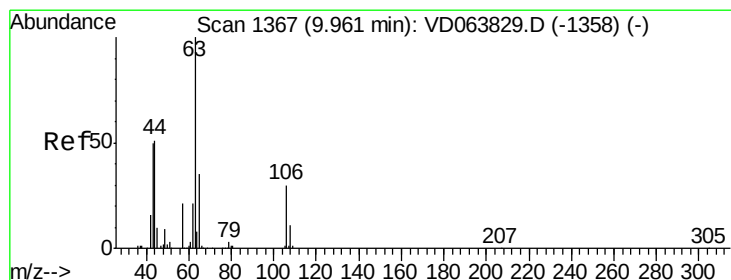
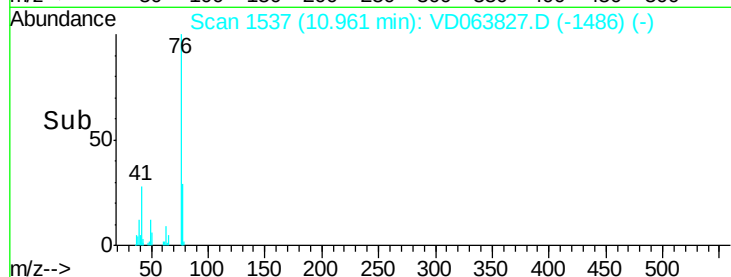
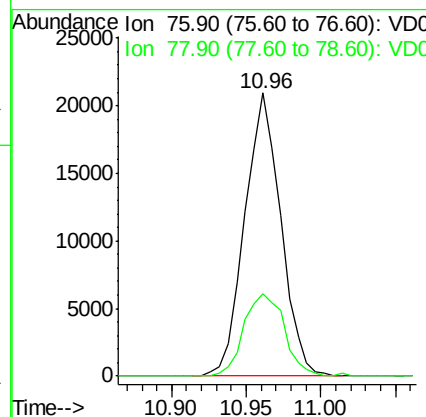
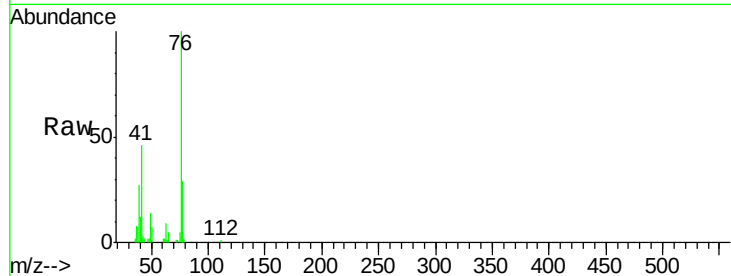
#57  
 1,3-Dichloropropane  
 Concen: 10.914 ug/l  
 RT: 10.96 min Scan# 1537  
 Delta R.T. 0.00 min  
 Lab File: VD063827.D  
 Acq: 25 Sep 2019 17:25

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

Tot Ion: 76 Resp: 34953  
 Ion Ratio Lower Upper  
 76 100  
 78 32.5 25.7 38.5

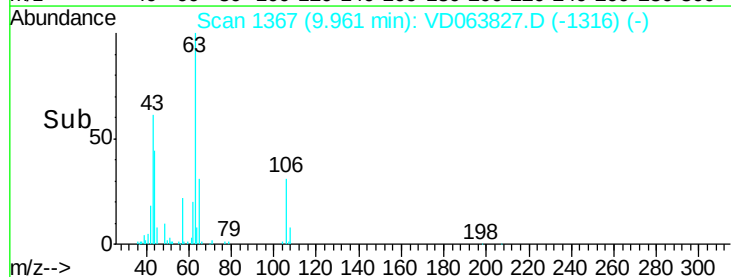
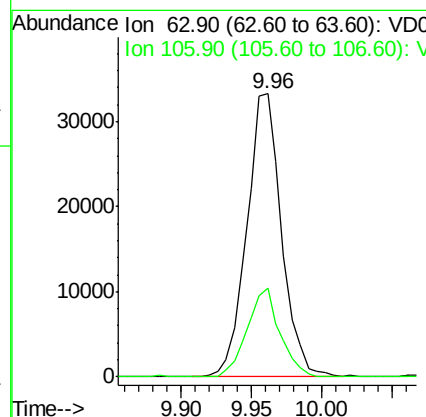
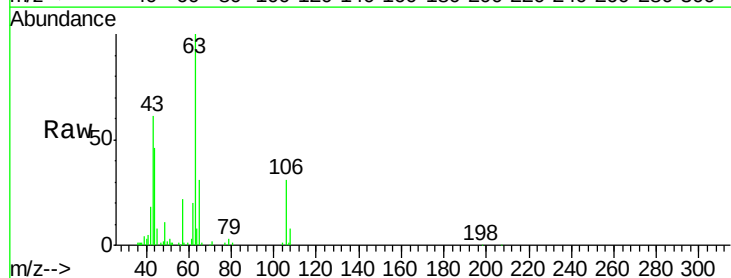
Manual Integrations  
 APPROVED

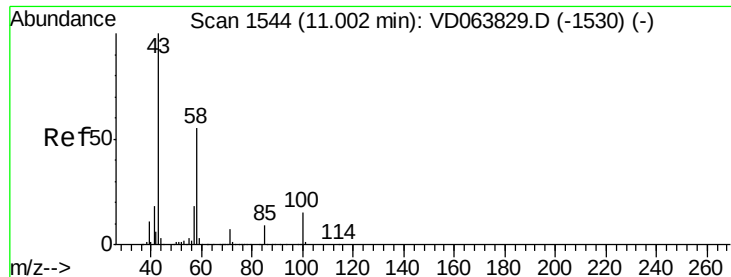
MMDadoda  
 10/1/2019 9:26:03 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 53.614 ug/l  
 RT: 9.96 min Scan# 1367  
 Delta R.T. 0.00 min  
 Lab File: VD063827.D  
 Acq: 25 Sep 2019 17:25

Tgt Ion: 63 Resp: 57405  
 Ion Ratio Lower Upper  
 63 100  
 106 29.4 23.4 35.0





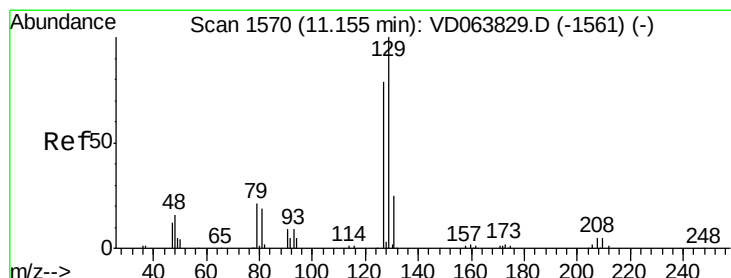
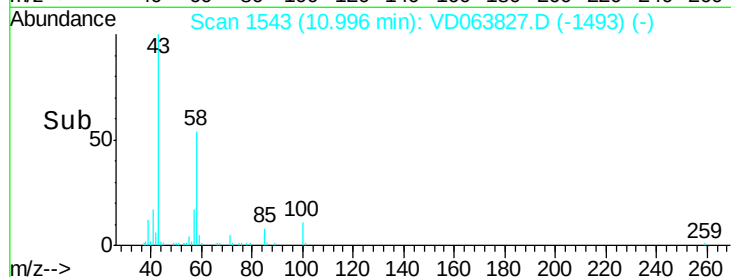
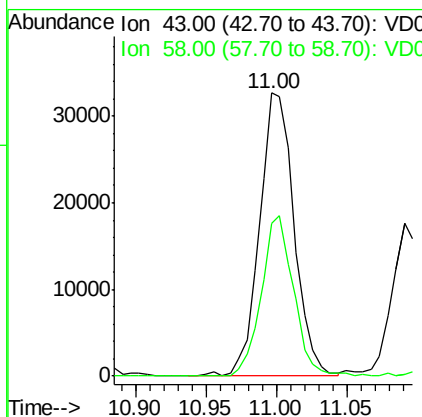
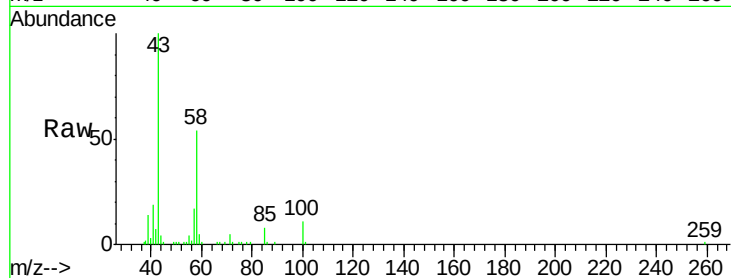
#59  
2-Hexanone  
Concen: 53.911 ug/l  
RT: 11.00 min Scan# 1543  
Delta R.T. -0.01 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

Tot Ion: 43 Resp: 56363  
Ion Ratio Lower Upper  
43 100  
58 52.7 27.6 82.7

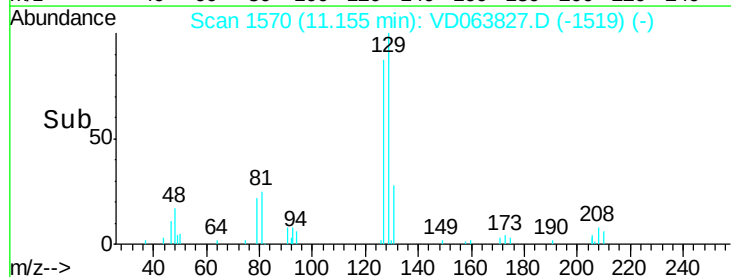
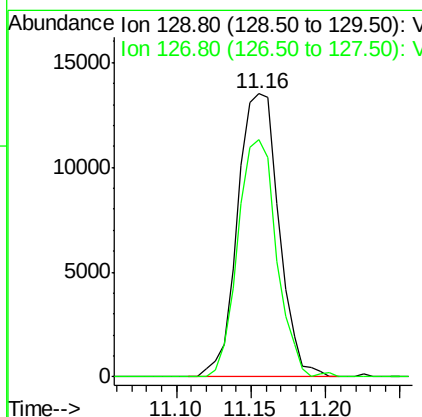
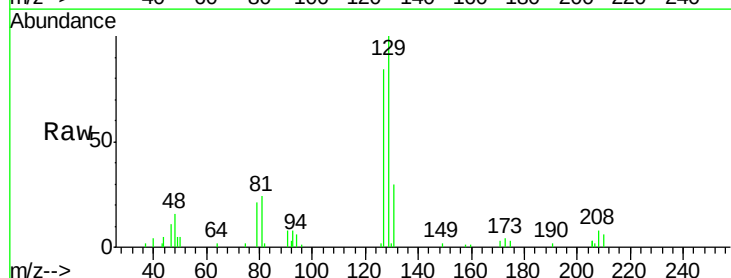
Manual Integrations  
APPROVED

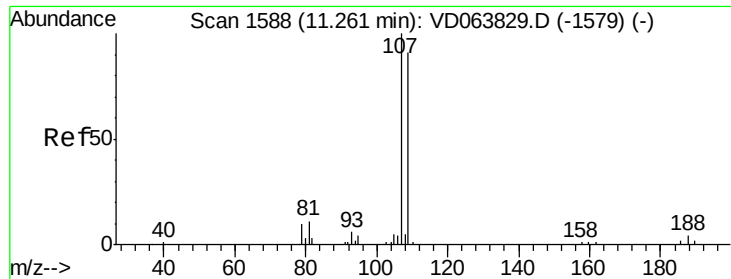
MMDadoda  
10/1/2019 9:26:03 AM



#60  
Dibromochloromethane  
Concen: 10.425 ug/l  
RT: 11.16 min Scan# 1570  
Delta R.T. 0.00 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

Tgt Ion: 129 Resp: 25931  
Ion Ratio Lower Upper  
129 100  
127 78.5 38.8 116.3





#61

1,2-Dibromoethane

Concen: 10.319 ug/l

RT: 11.26 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 19444

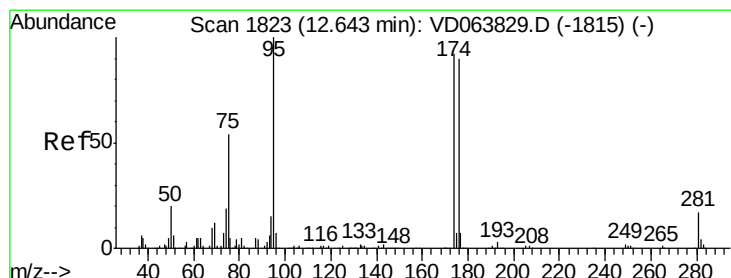
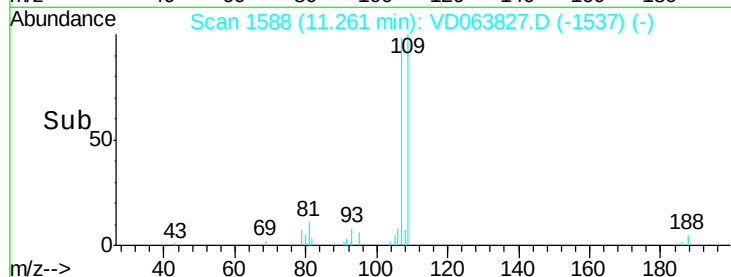
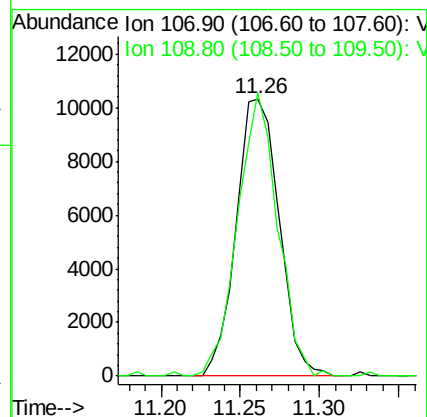
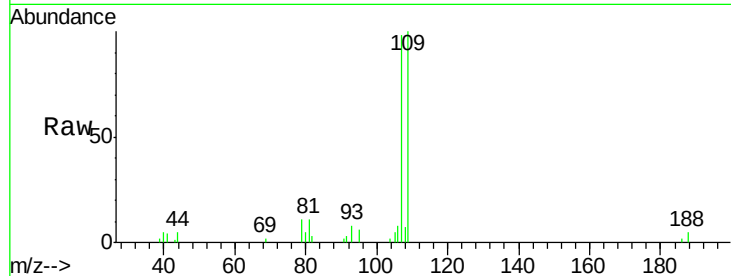
Ion Ratio Lower Upper

107 100

109 95.2 74.9 112.3

Manual Integrations  
APPROVED

MMDadoda  
10/1/2019 9:26:03 AM



#62

4-Bromofluorobenzene

Concen: 10.345 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

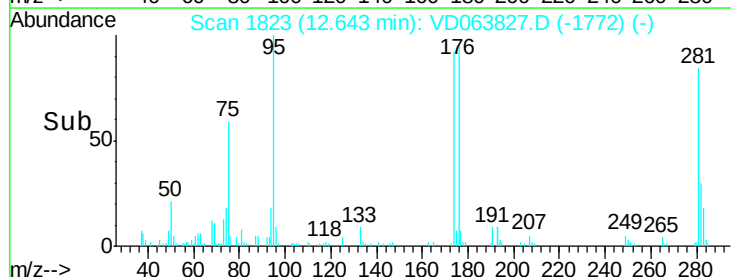
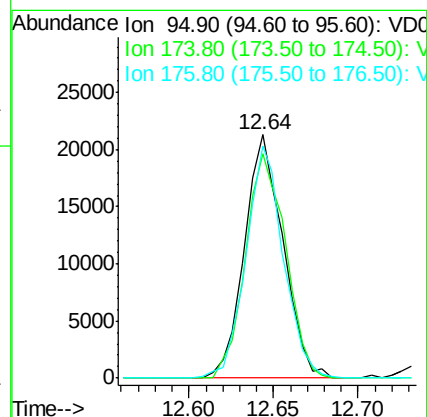
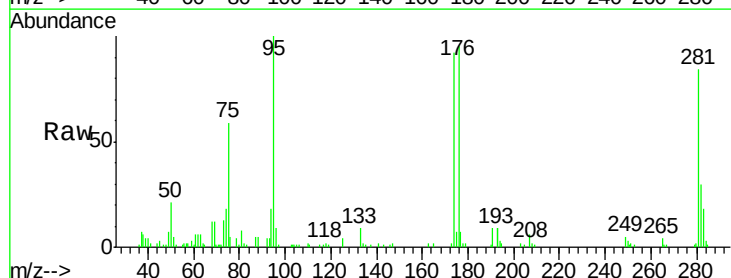
Tgt Ion: 95 Resp: 33786

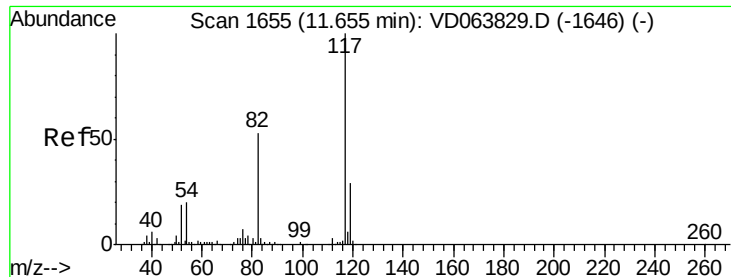
Ion Ratio Lower Upper

95 100

174 95.8 0.0 183.2

176 92.8 0.0 177.4





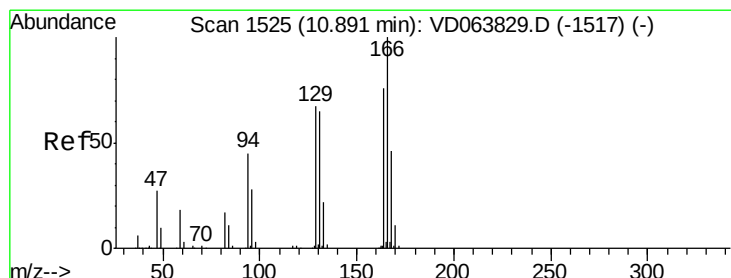
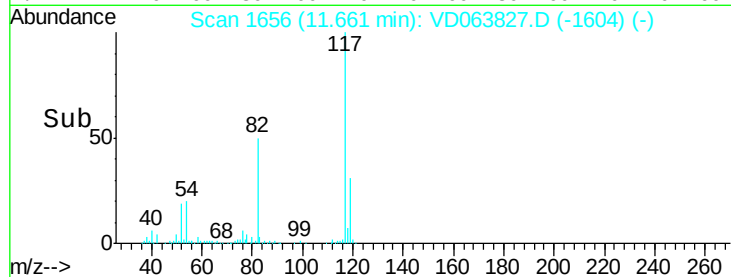
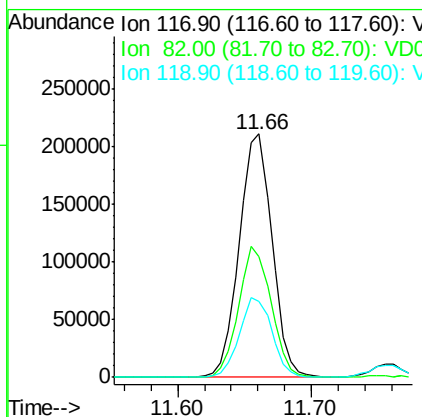
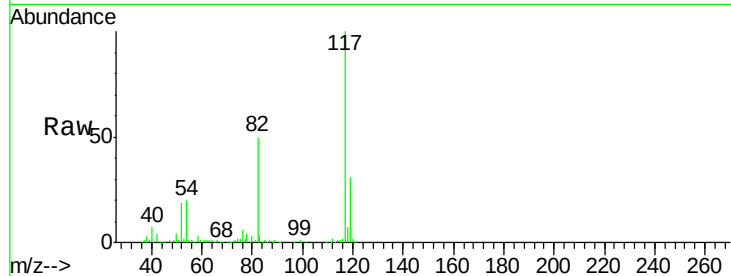
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.66 min Scan# 1656  
Delta R.T. 0.01 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 360055 |       |       |
| 82      | 49.8  | 42.4   | 63.6  |       |
| 119     | 31.1  | 23.5   | 35.3  |       |

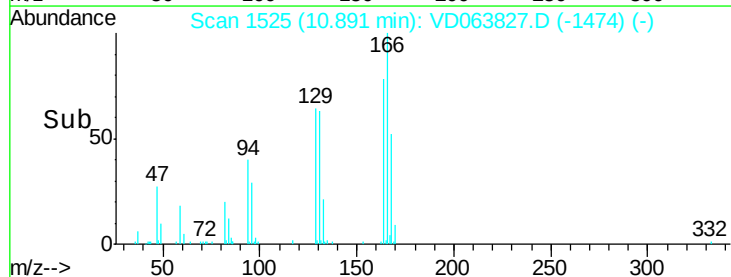
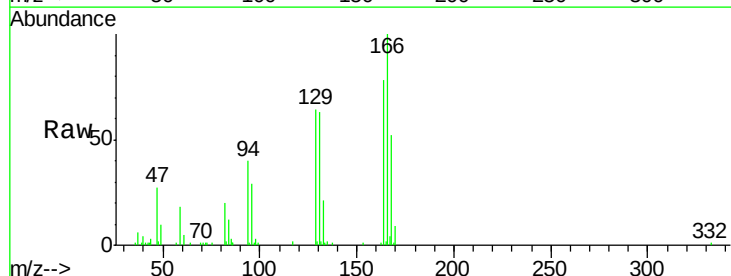
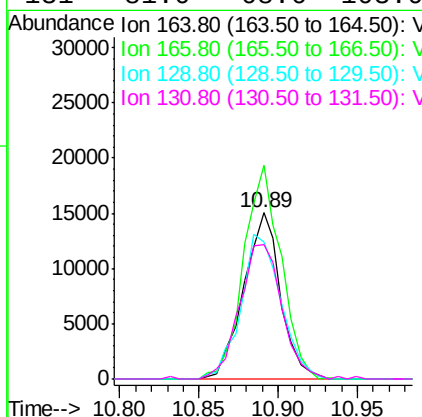
Manual Integrations  
APPROVED

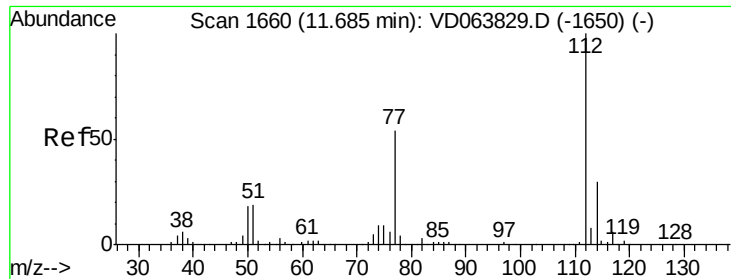
MMDadoda  
10/1/2019 9:26:03 AM



#64  
Tetrachloroethene  
Concen: 9.998 ug/l  
RT: 10.89 min Scan# 1525  
Delta R.T. 0.00 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 24248 |       |       |
| 166     | 128.4 | 105.5 | 158.3 |       |
| 129     | 82.7  | 70.2  | 105.4 |       |
| 131     | 81.0  | 68.6  | 103.0 |       |





#65

Chlorobenzene

Concen: 10.523 ug/l

RT: 11.68 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA\_D

ClientSampled :

VSTDIC010

Tot Ion:112 Resp: 76216

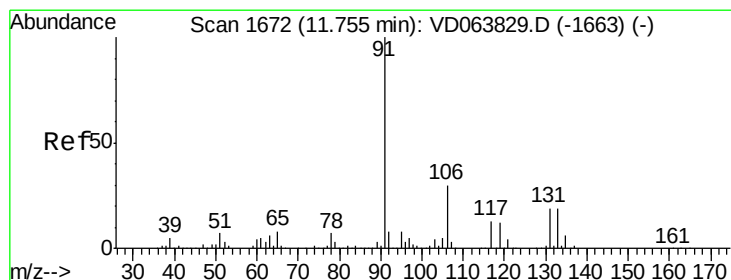
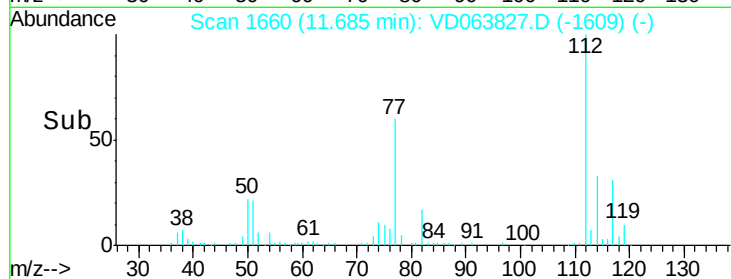
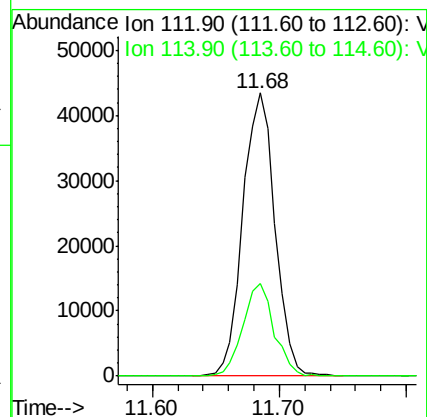
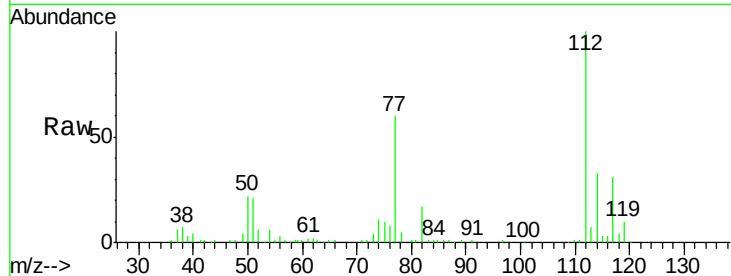
Ion Ratio Lower Upper

112 100

114 32.6 24.2 36.2

Manual Integrations  
APPROVED

MMDadoda  
10/1/2019 9:26:03 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 9.705 ug/l

RT: 11.76 min Scan# 1673

Delta R.T. 0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

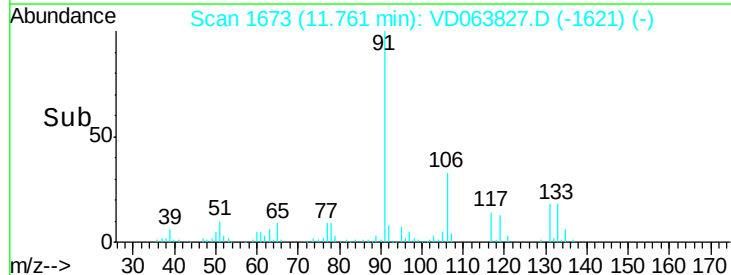
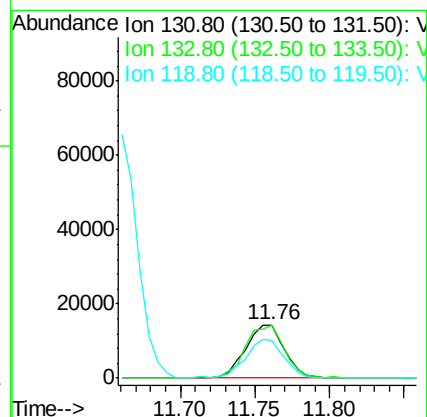
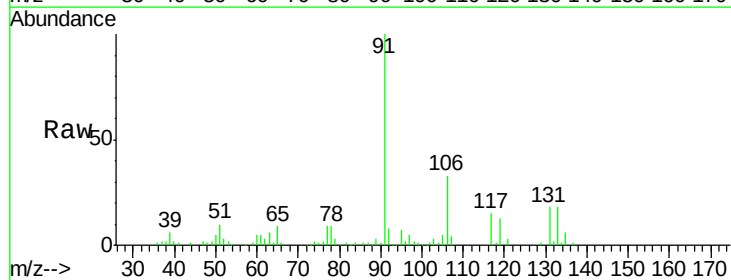
Tgt Ion:131 Resp: 25833

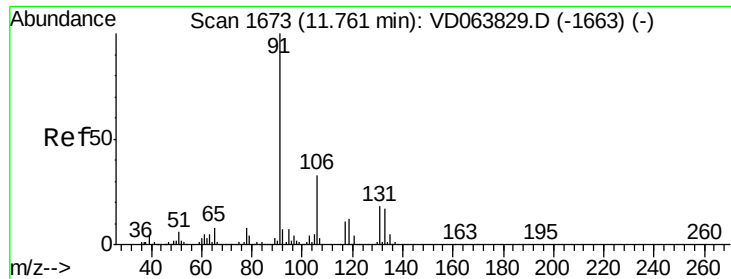
Ion Ratio Lower Upper

131 100

133 100.5 47.4 142.3

119 72.0 31.6 94.8





#67

Ethyl Benzene

Concen: 10.566 ug/l

RT: 11.76 min Scan# 1672

Delta R.T. -0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 138226

Ion Ratio Lower Upper

91 100

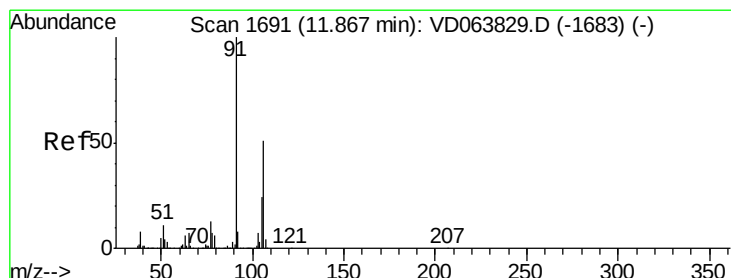
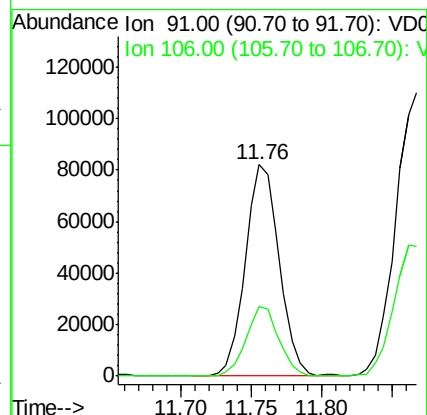
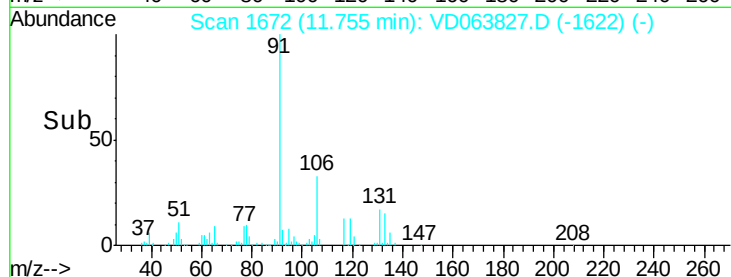
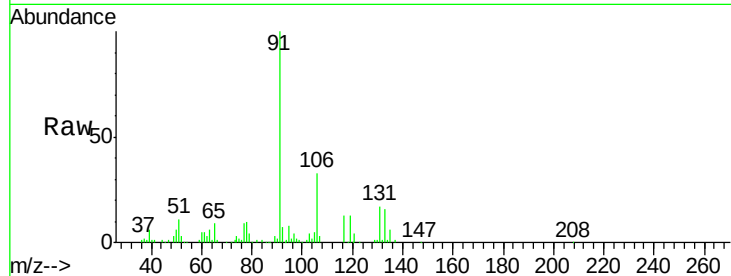
106 33.1 26.6 40.0

Manual Integrations

APPROVED

MMDadoda

10/1/2019 9:26:03 AM



#68

m/p-Xylenes

Concen: 20.740 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.01 min

Lab File: VD063827.D

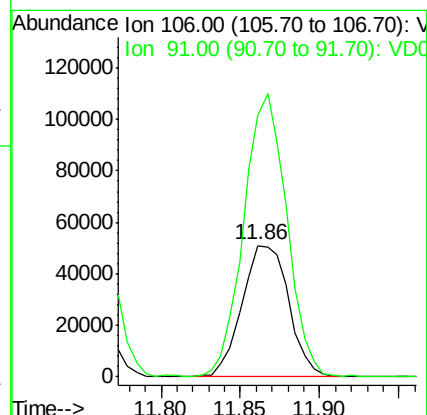
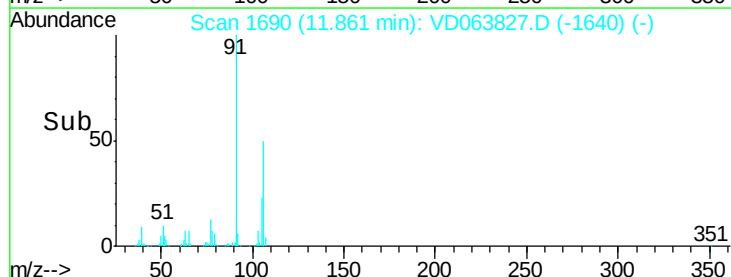
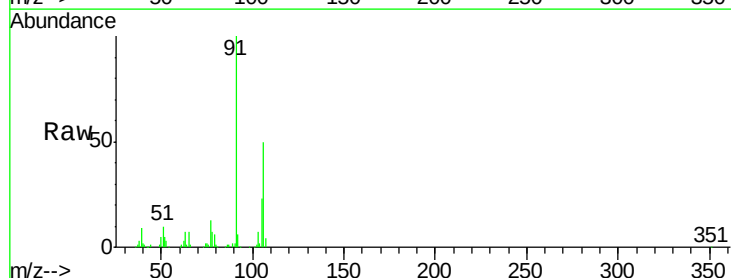
Acq: 25 Sep 2019 17:25

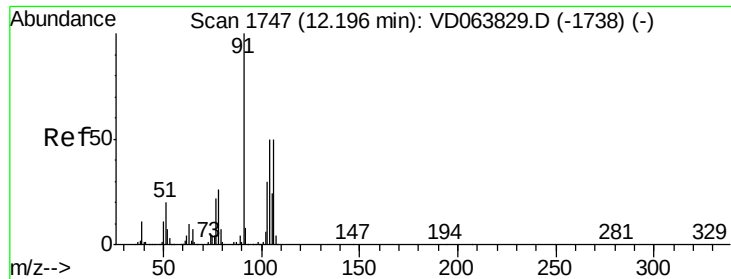
Tgt Ion: 106 Resp: 104194

Ion Ratio Lower Upper

106 100

91 198.8 157.6 236.4





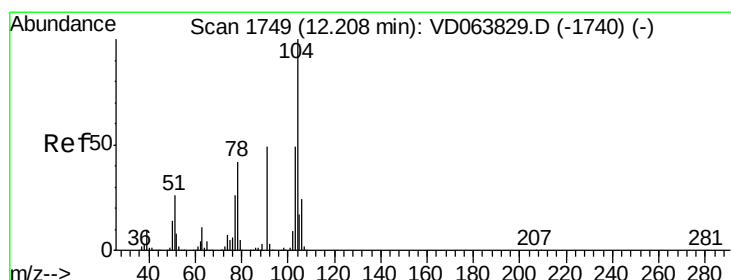
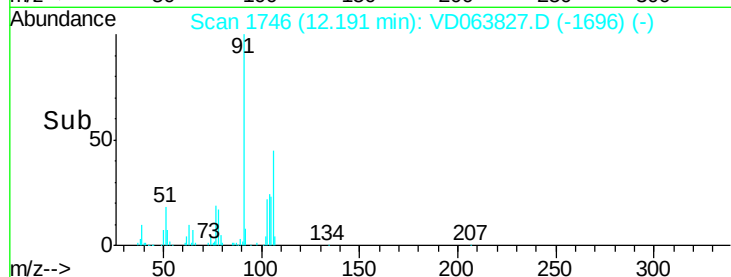
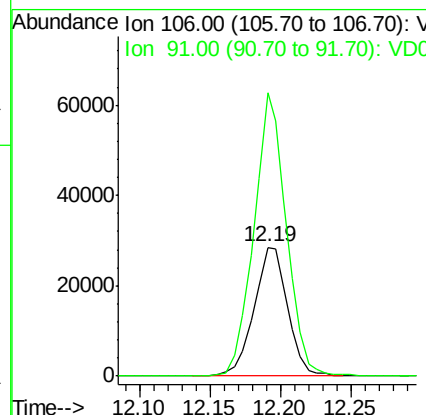
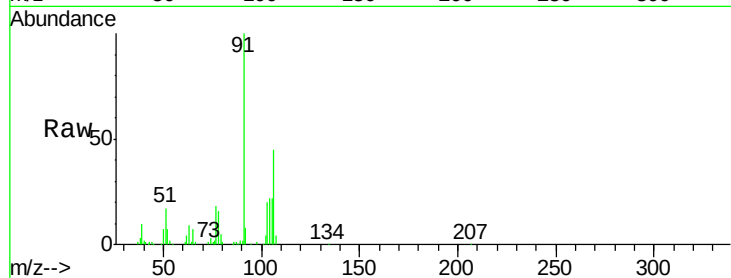
#69  
o-Xylene  
Concen: 10.058 ug/l  
RT: 12.19 min Scan# 1746  
Delta R.T. -0.01 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 210.9 | 102.4 | 307.1 |

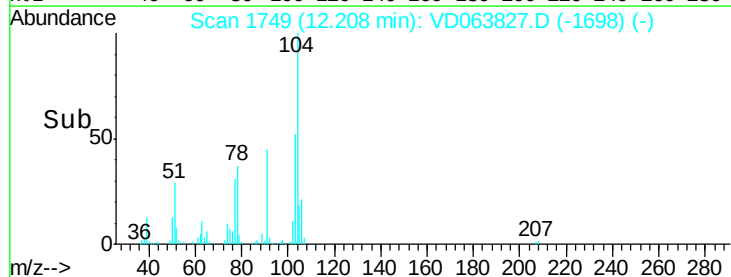
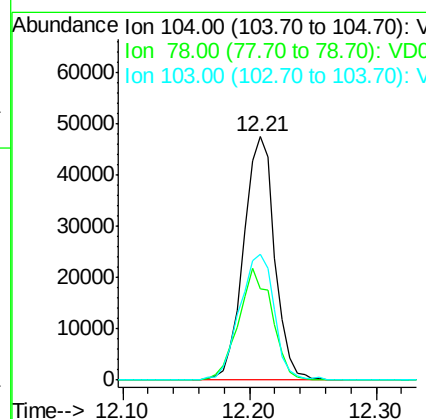
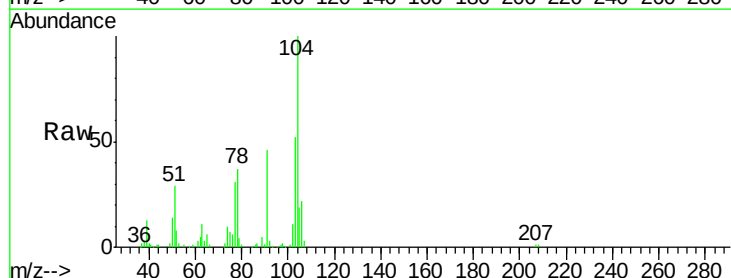
Manual Integrations  
APPROVED

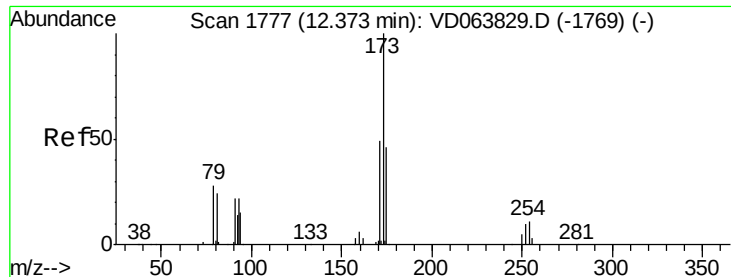
MMDadoda  
10/1/2019 9:26:03 AM



#70  
Styrene  
Concen: 10.090 ug/l  
RT: 12.21 min Scan# 1749  
Delta R.T. 0.00 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 49.6  | 37.3  | 55.9  |
| 103     | 57.4  | 44.2  | 66.4  |





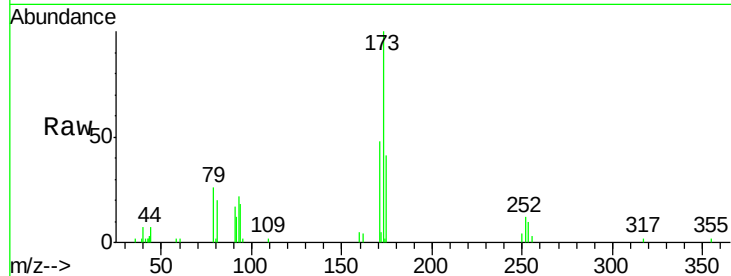
#71  
Bromoform  
Concen: 10.090 ug/l  
RT: 12.37 min Scan# 1777  
Delta R.T. 0.00 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 53.5  | 23.3  | 69.8  |
| 254     | 0.0   | 0.1   | 0.1#  |

Manual Integrations  
APPROVED

MMDadoda  
10/1/2019 9:26:03 AM

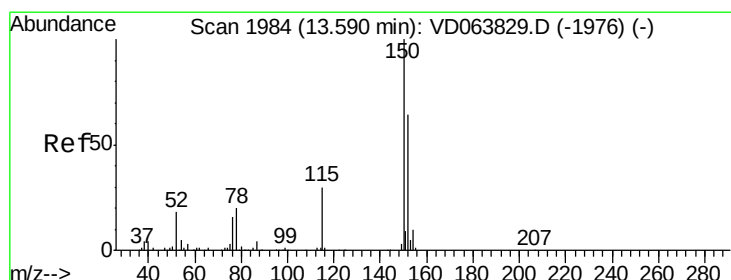
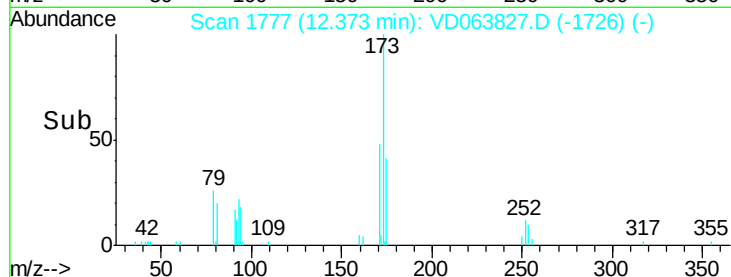
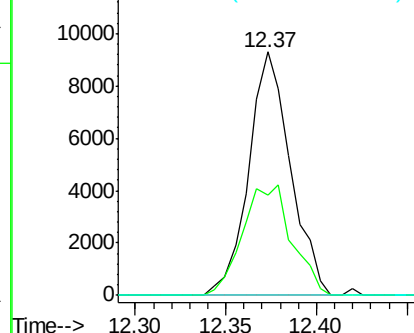


Abundance

Ion 172.70 (172.40 to 173.40): V

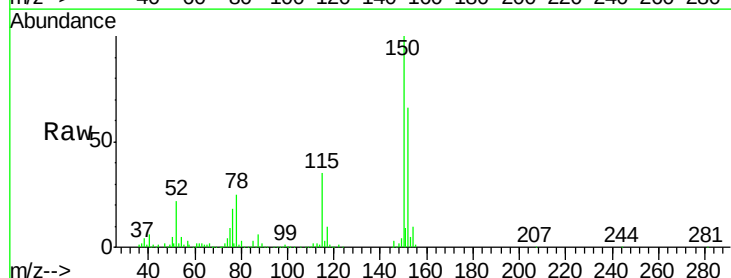
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1983  
Delta R.T. -0.01 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.5  | 27.0  | 81.0  |
| 150     | 155.6 | 0.0   | 344.0 |

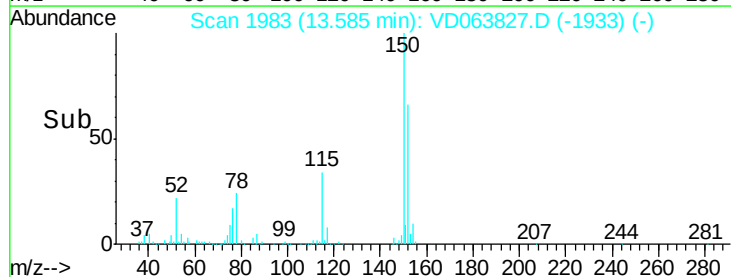
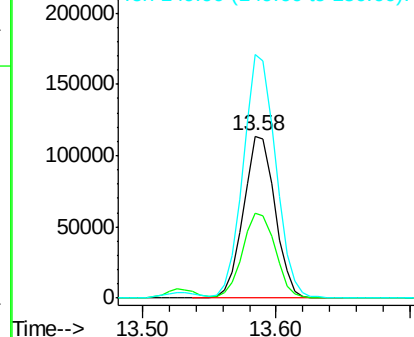


Abundance

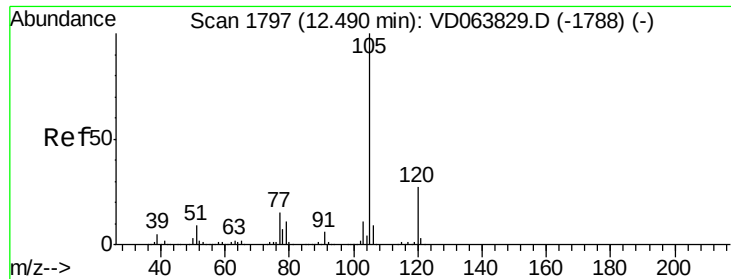
Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V







#73

Isopropylbenzene

Concen: 10.665 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 134918

Ion Ratio Lower Upper

105 100

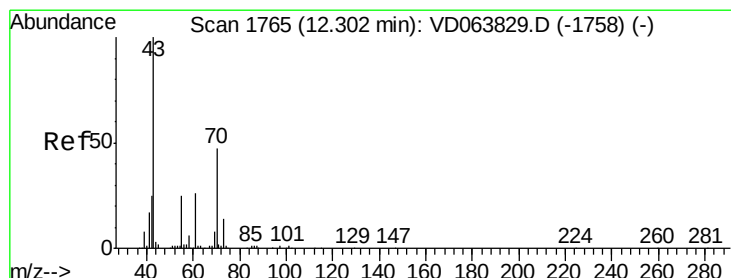
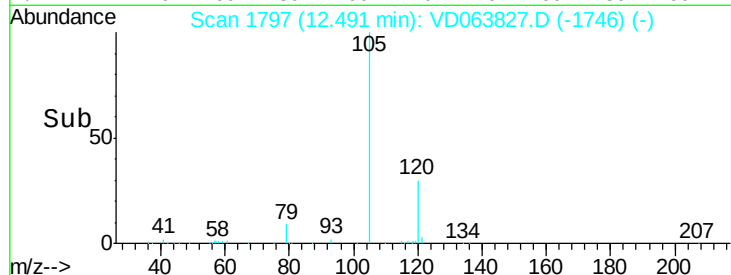
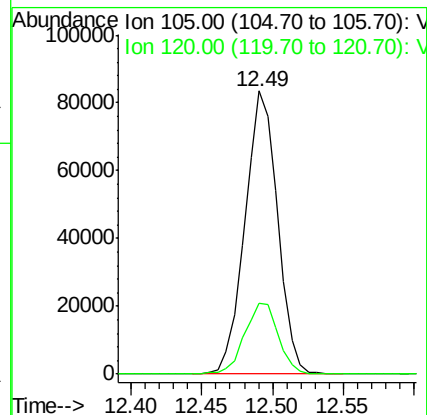
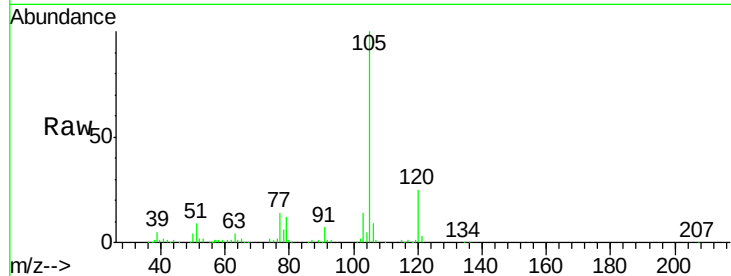
120 26.0 13.7 41.0

Manual Integrations

APPROVED

MMDadoda

10/1/2019 9:26:03 AM



#74

N-ethyl acetate

Concen: 11.206 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Tgt Ion: 43 Resp: 31033

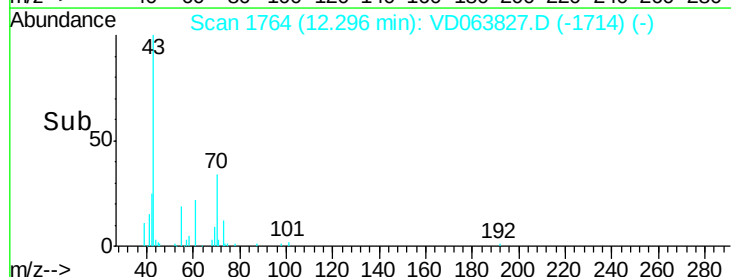
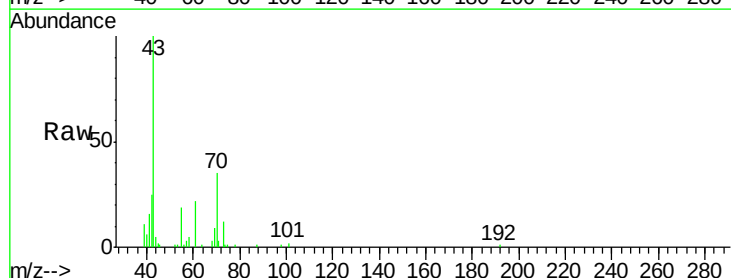
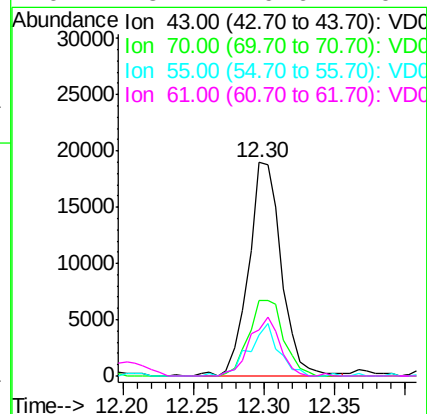
Ion Ratio Lower Upper

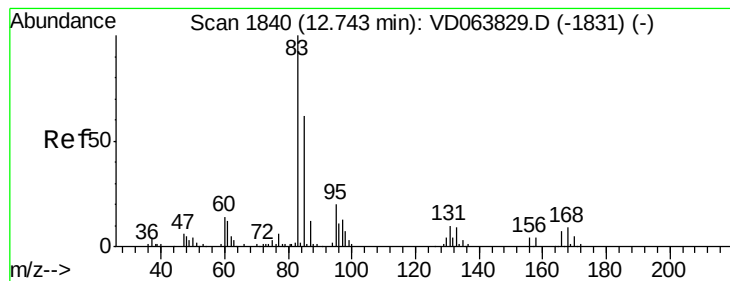
43 100

70 37.6 35.0 52.6

55 21.8 19.8 29.6

61 25.1 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 10.536 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA\_D

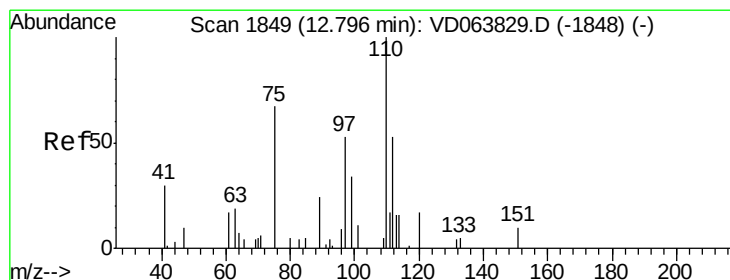
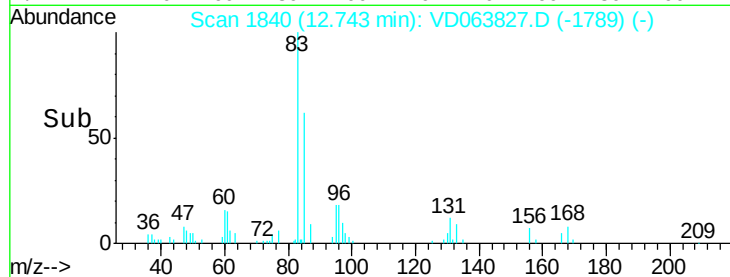
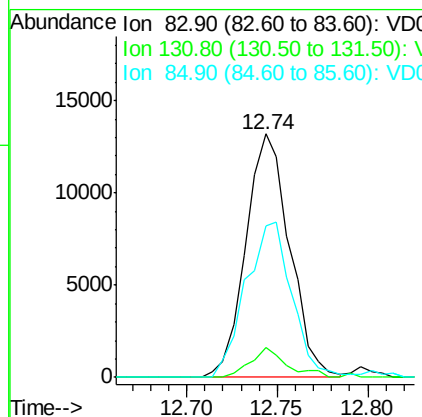
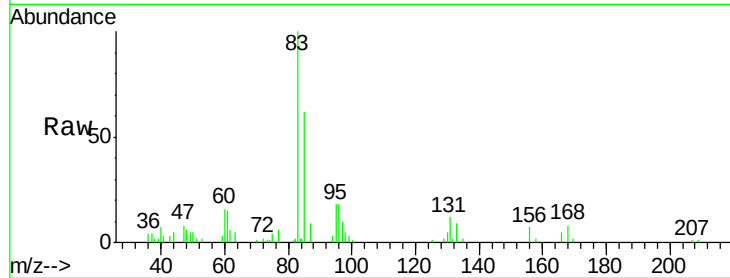
ClientSampleId :

VSTDIC010

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 22217 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.1  | 5.6   | 16.8  |
| 85        | 66.9  | 31.9  | 95.7  |

Manual Integrations  
APPROVED

MMDadoda  
10/1/2019 9:26:03 AM



#76

1,2,3-Trichloropropane

Concen: 13.234 ug/l m

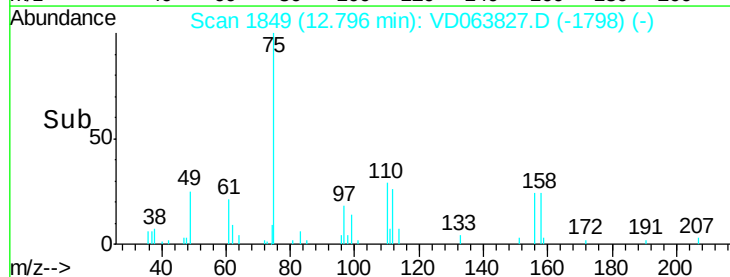
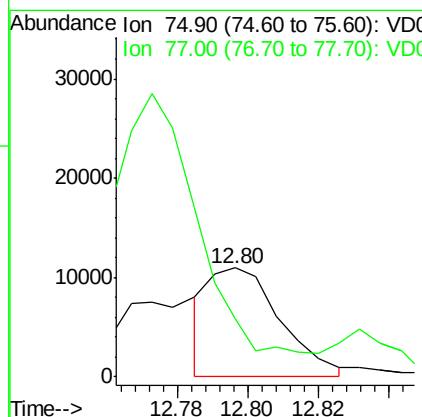
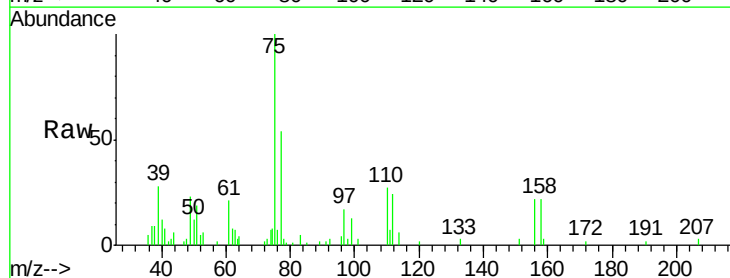
RT: 12.80 min Scan# 1849

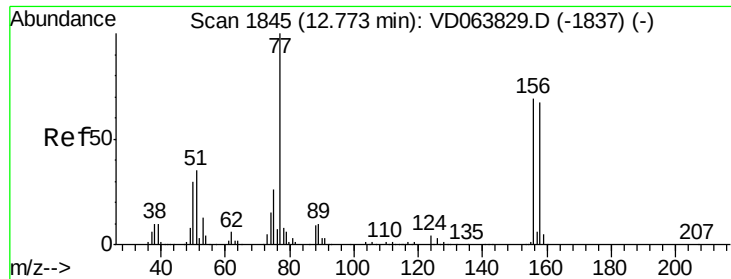
Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 15544 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 10.270 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA\_D

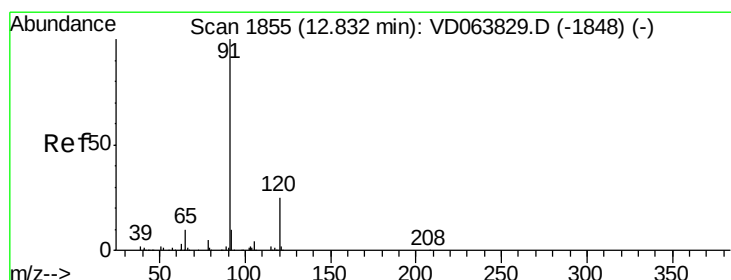
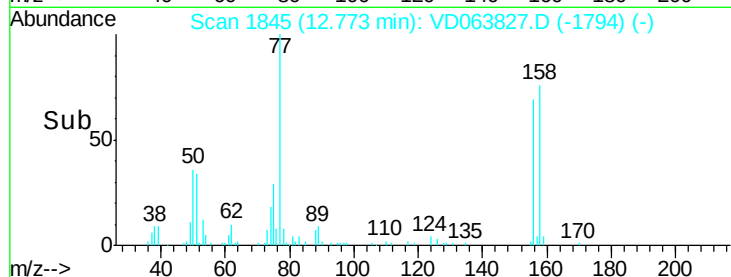
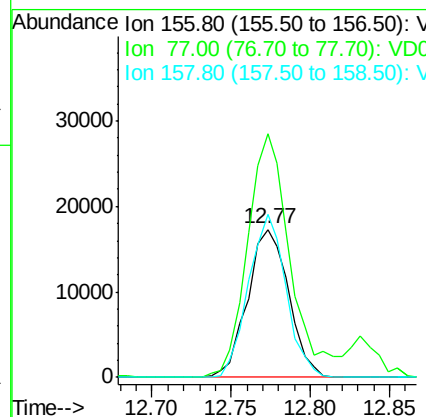
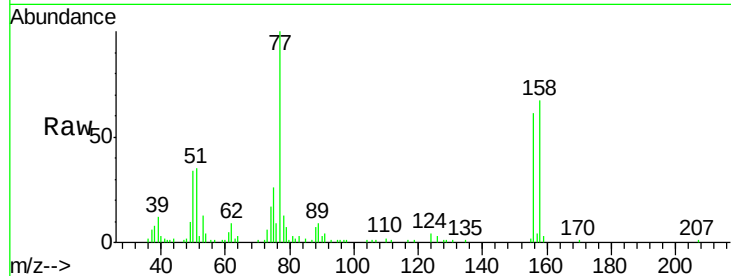
ClientSampleId :

VSTDIC010

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 156     | 100   |       | 31223 |       |       |
| 77      | 170.8 | 79.8  | 239.4 |       |       |
| 158     | 100.5 | 47.9  | 143.7 |       |       |

Manual Integrations  
APPROVED

MMDadoda  
10/1/2019 9:26:03 AM



#78

n-propylbenzene

Concen: 10.891 ug/l

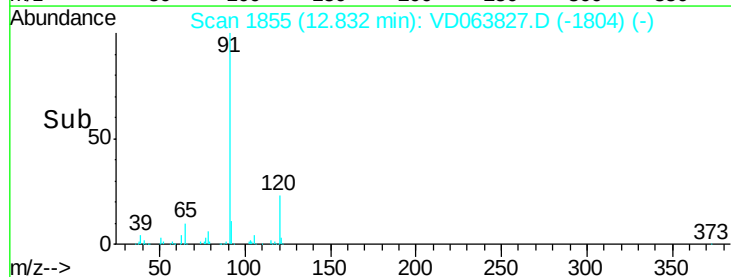
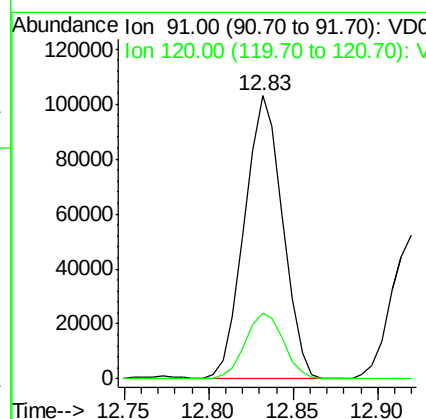
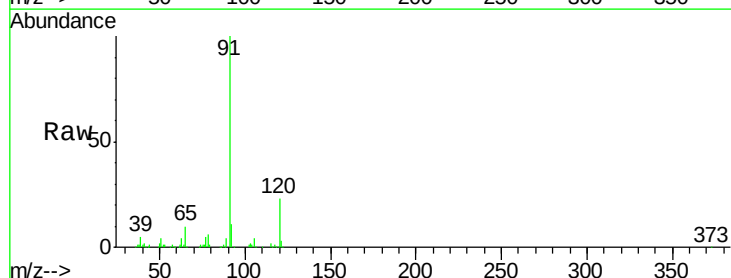
RT: 12.83 min Scan# 1855

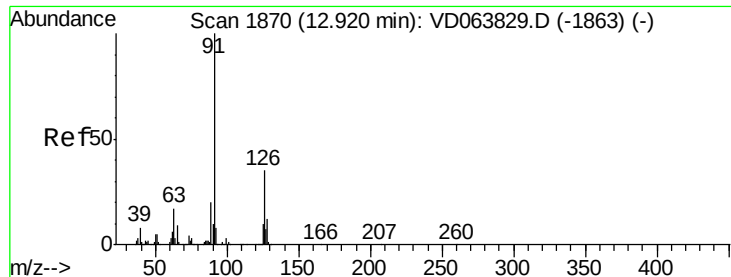
Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 91      | 100  |       | 162089 |       |       |
| 120     | 23.5 | 12.5  | 37.5   |       |       |





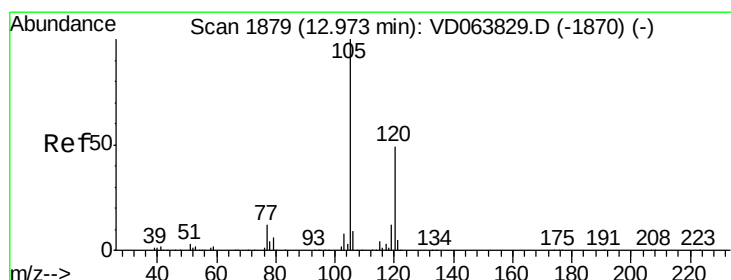
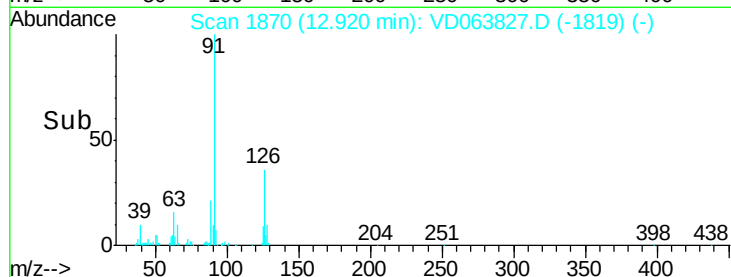
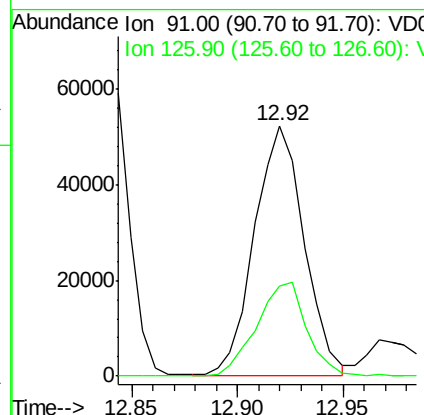
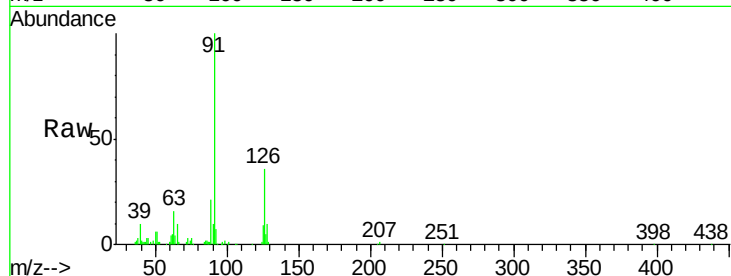
#79  
2-Chlorotoluene  
Concen: 10.638 ug/l  
RT: 12.92 min Scan# 1870  
Delta R.T. 0.00 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 38.0  | 17.8  | 53.5  |

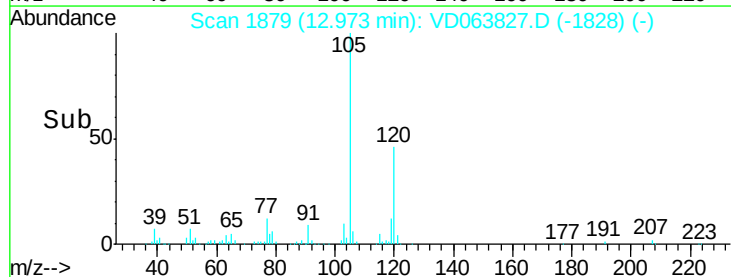
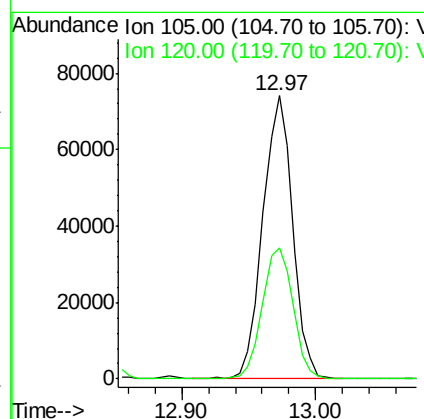
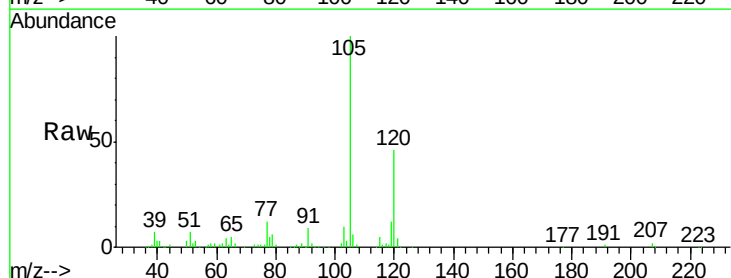
Manual Integrations  
APPROVED

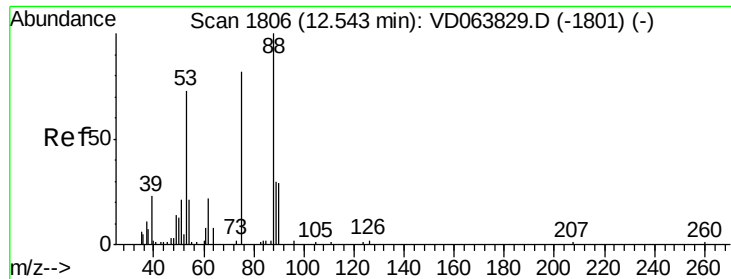
MMDadoda  
10/1/2019 9:26:03 AM



#80  
1,3,5-Trimethylbenzene  
Concen: 10.850 ug/l  
RT: 12.97 min Scan# 1879  
Delta R.T. 0.00 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 47.7  | 24.9  | 74.8  |





#81

trans-1,4-Dichloro-2-butene

Concen: 10.016 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA\_D

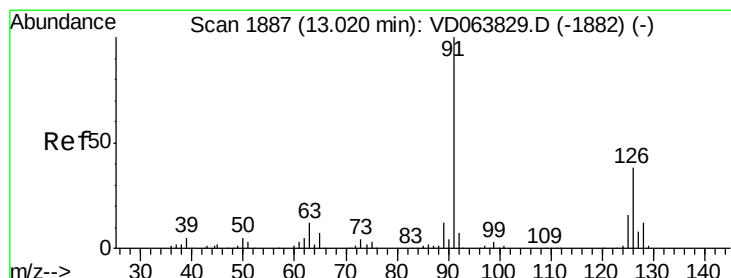
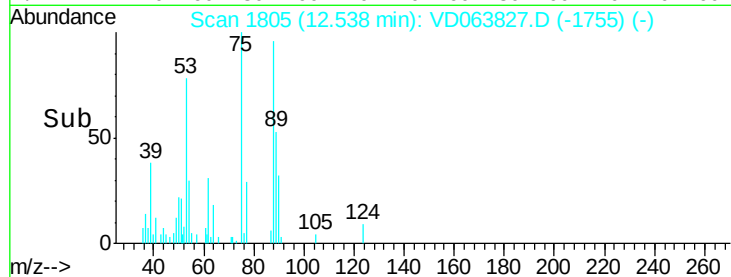
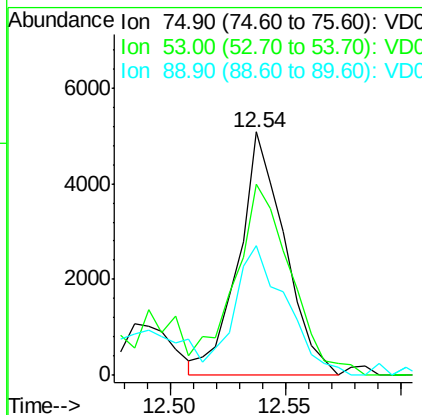
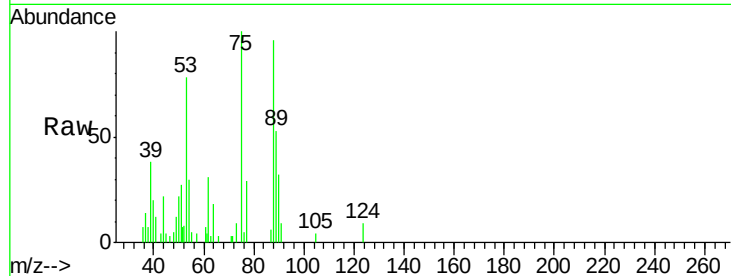
ClientSampleId :

VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 96.5  | 76.5  | 114.7 |
| 89      | 60.4  | 37.0  | 55.6  |

Manual Integrations  
APPROVED

MMDadoda  
10/1/2019 9:26:03 AM



#82

4-Chlorotoluene

Concen: 10.785 ug/l

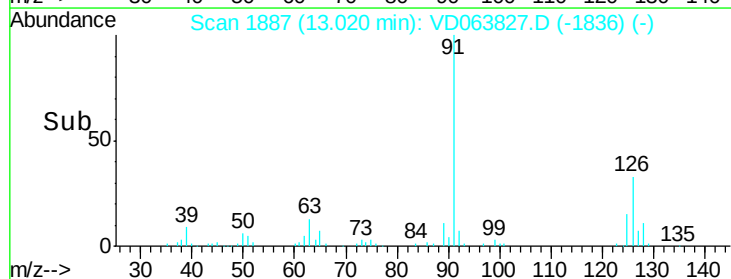
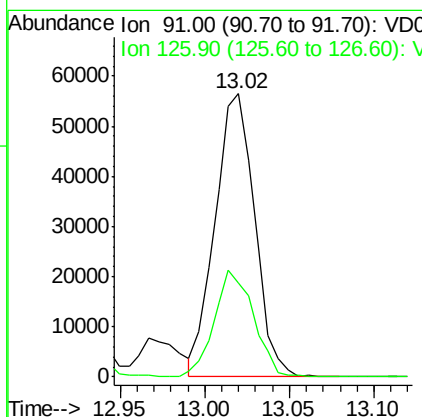
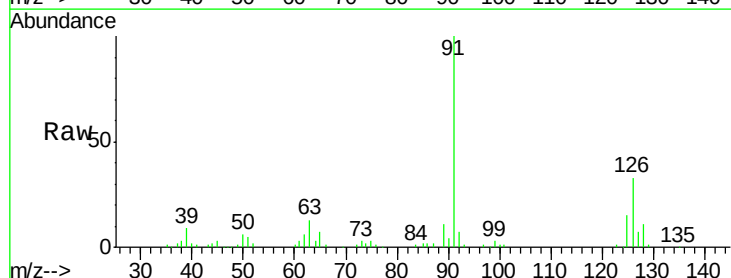
RT: 13.02 min Scan# 1887

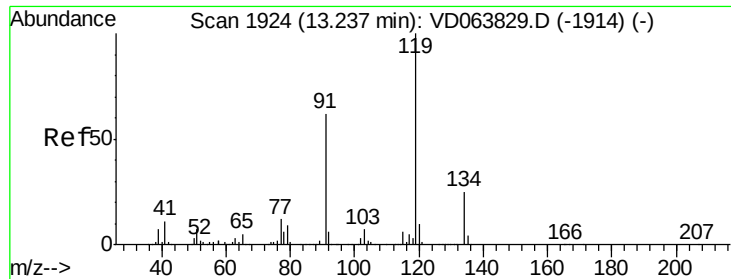
Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 37.4  | 18.6  | 55.6  |





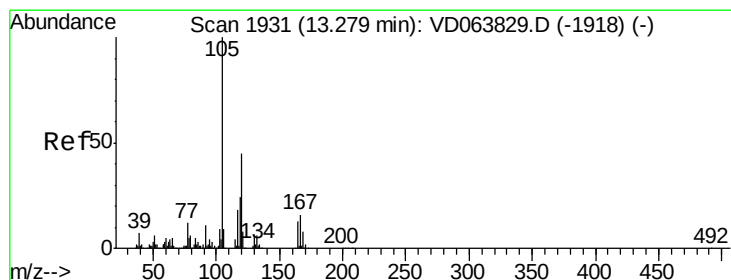
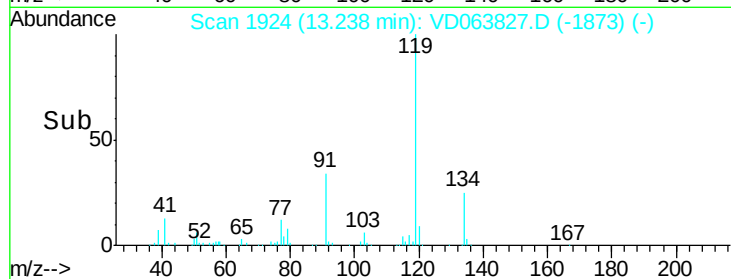
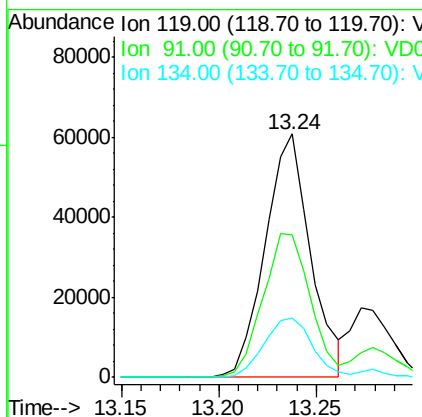
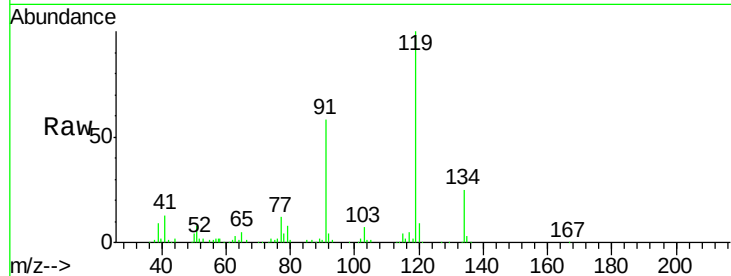
#83  
 tert-Butylbenzene  
 Concen: 10.629 ug/l  
 RT: 13.24 min Scan# 1924  
 Delta R.T. 0.00 min  
 Lab File: VD063827.D  
 Acq: 25 Sep 2019 17:25

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 61.7  | 30.8  | 92.3  |
| 134     | 25.8  | 13.2  | 39.6  |

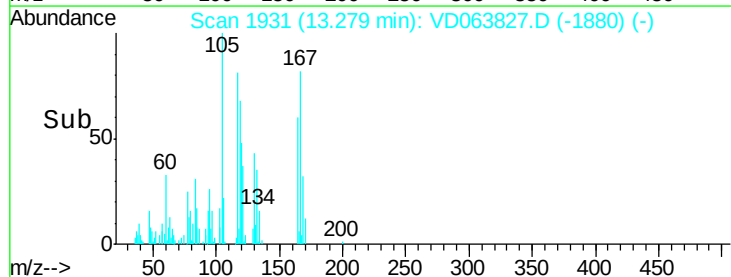
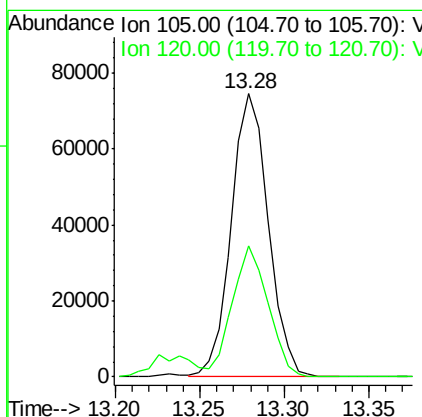
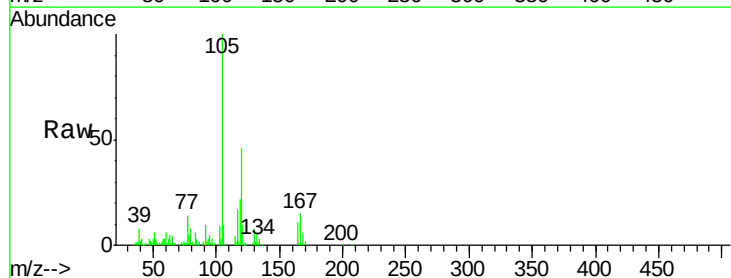
Manual Integrations  
 APPROVED

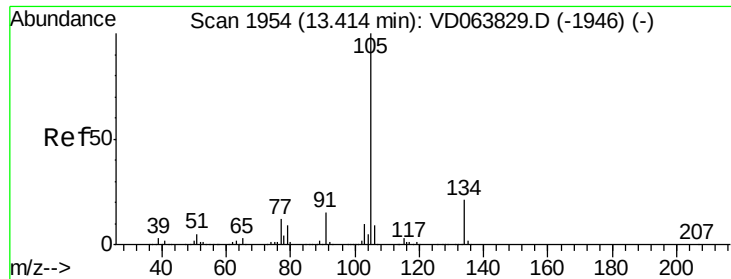
MMDadoda  
 10/1/2019 9:26:03 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 10.608 ug/l  
 RT: 13.28 min Scan# 1931  
 Delta R.T. 0.00 min  
 Lab File: VD063827.D  
 Acq: 25 Sep 2019 17:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.6  | 23.0  | 69.0  |





#85

sec-Butylbenzene

Concen: 10.724 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 137505

Ion Ratio Lower Upper

105 100

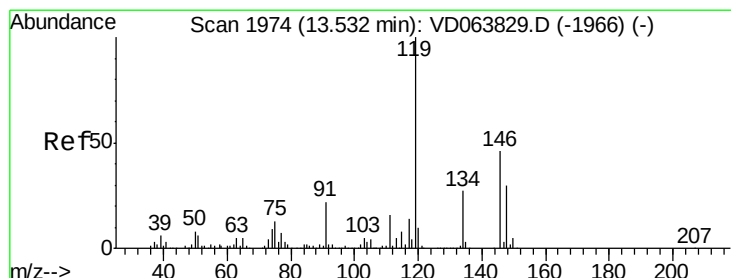
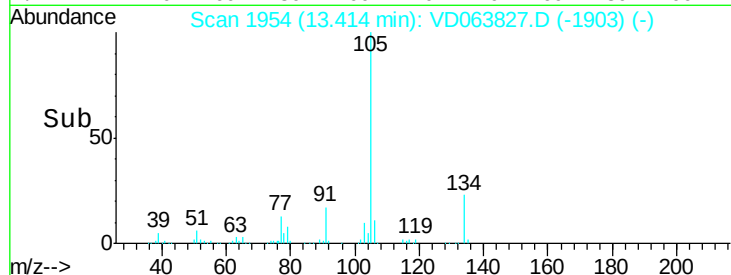
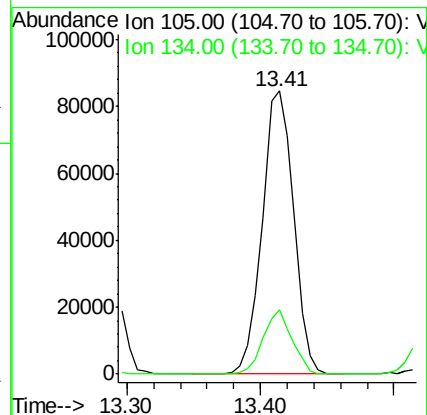
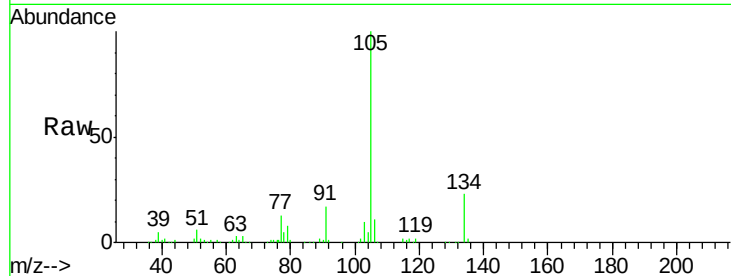
134 21.1 10.7 31.9

Manual Integrations

APPROVED

MMDadoda

10/1/2019 9:26:03 AM



#86

p-Isopropyltoluene

Concen: 10.308 ug/l

RT: 13.53 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

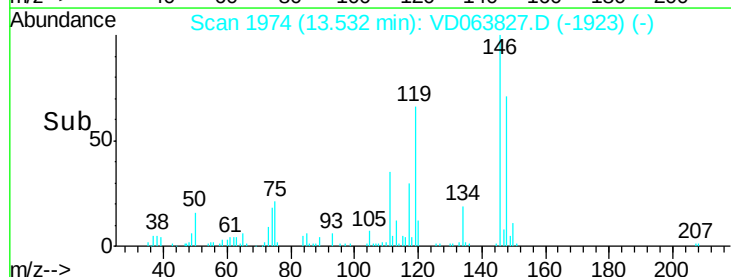
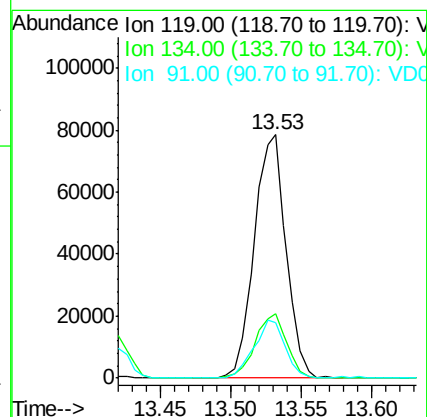
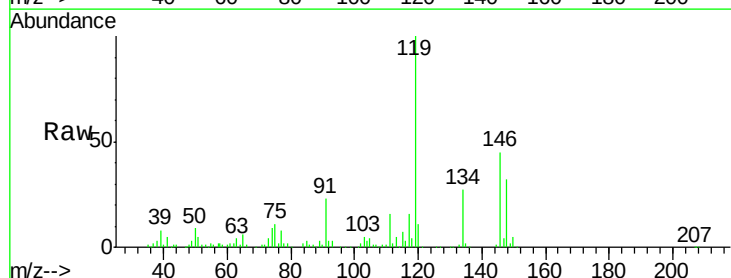
Tgt Ion:119 Resp: 124125

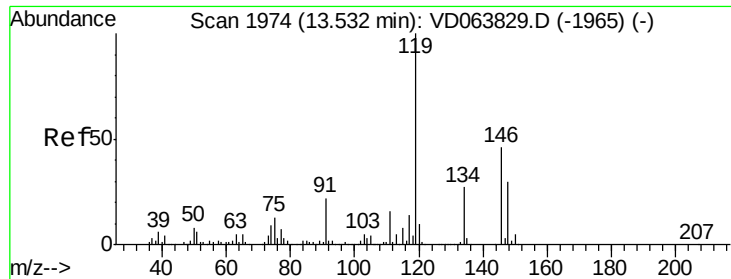
Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.6

91 23.4 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 10.325 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.01 min

Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

Instrument :

MSVOA\_D

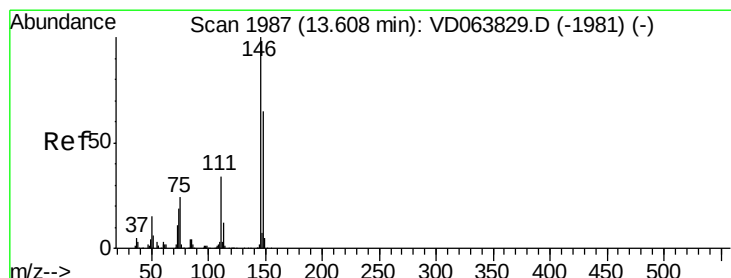
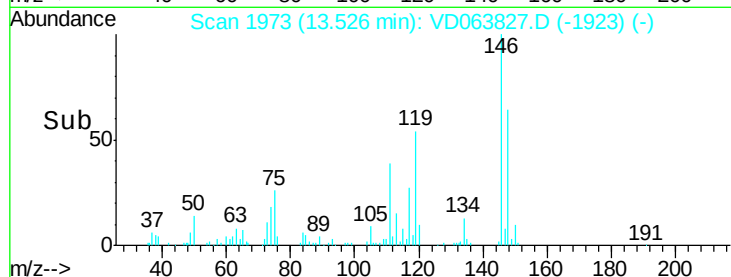
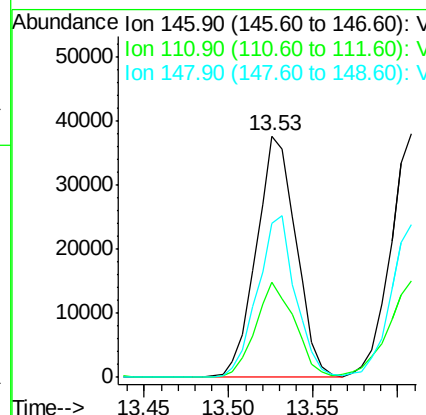
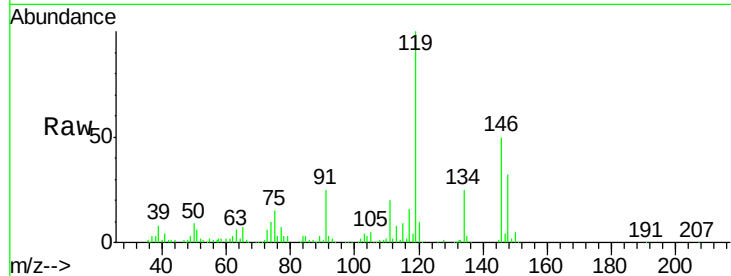
ClientSampleId :

VSTDIC010

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 146   | Resp: | 61630 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 39.0  | 18.3  | 54.8  |
| 148       | 64.2  | 31.8  | 95.4  |

Manual Integrations  
APPROVED

MMDadoda  
10/1/2019 9:26:03 AM



#88

1,4-Dichlorobenzene

Concen: 10.425 ug/l

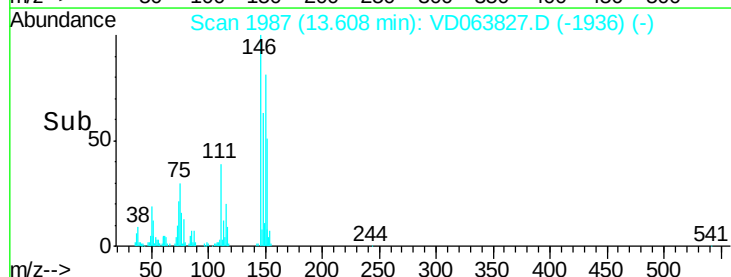
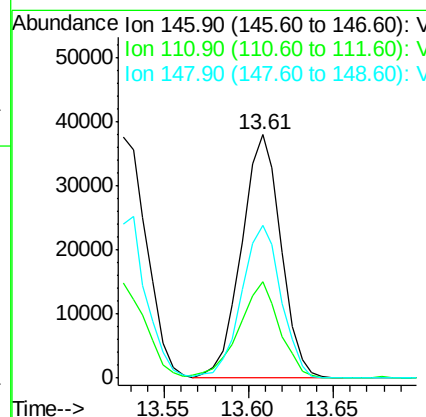
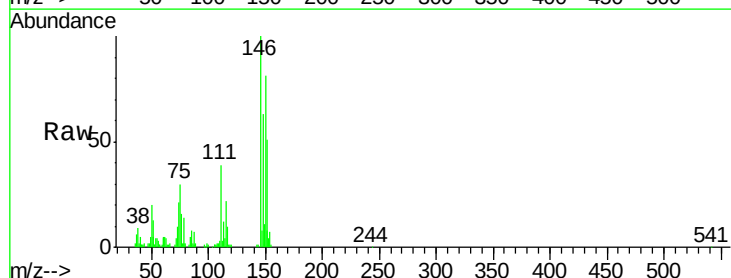
RT: 13.61 min Scan# 1987

Delta R.T. 0.00 min

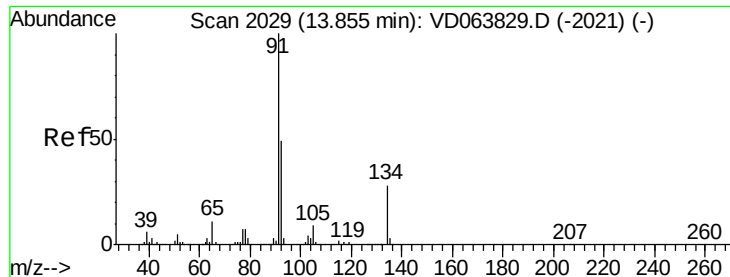
Lab File: VD063827.D

Acq: 25 Sep 2019 17:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 61888 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 40.9  | 18.5  | 55.5  |
| 148       | 63.0  | 33.0  | 99.0  |







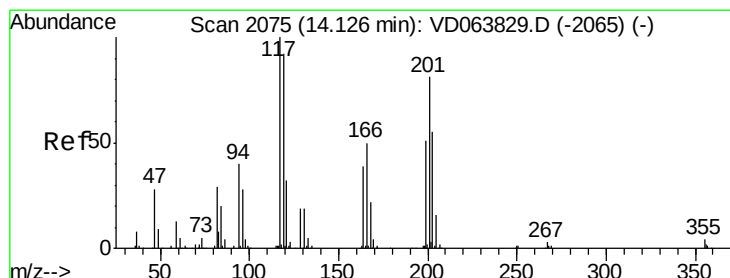
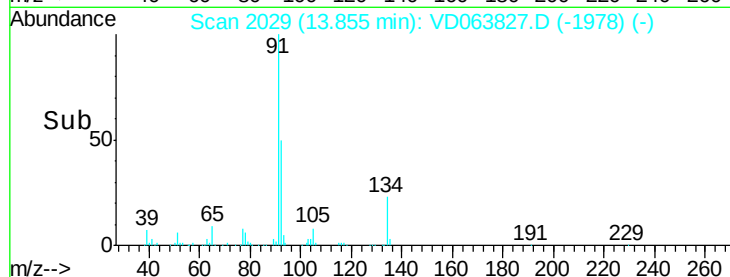
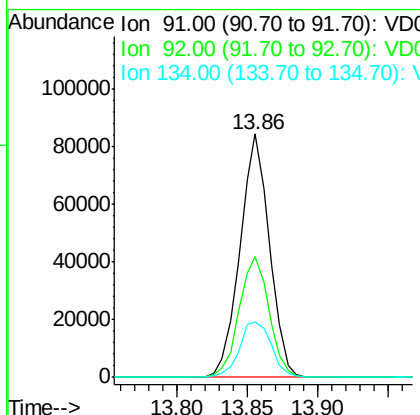
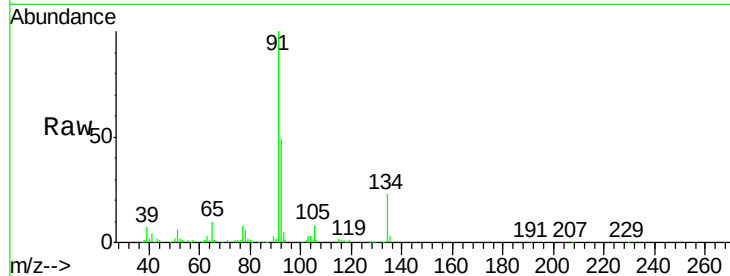
#89  
n-Butylbenzene  
Concen: 10.732 ug/l  
RT: 13.86 min Scan# 2029  
Delta R.T. 0.00 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 123001 |       |       |
| 92      | 50.2  |        | 26.1  | 78.2  |
| 134     | 24.9  |        | 14.0  | 41.9  |

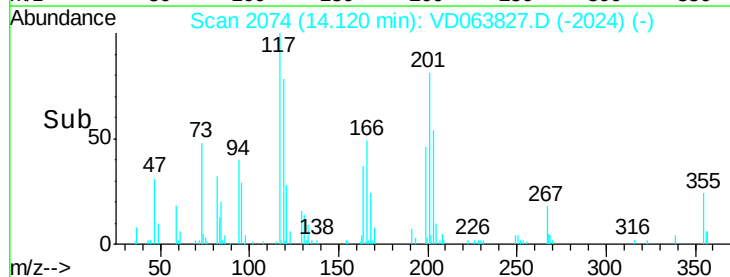
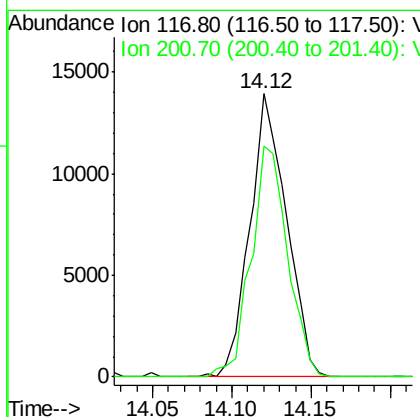
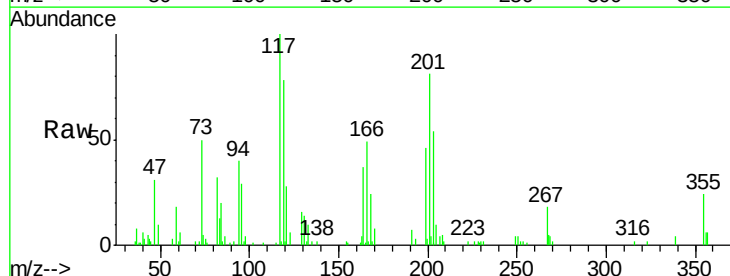
Manual Integrations  
APPROVED

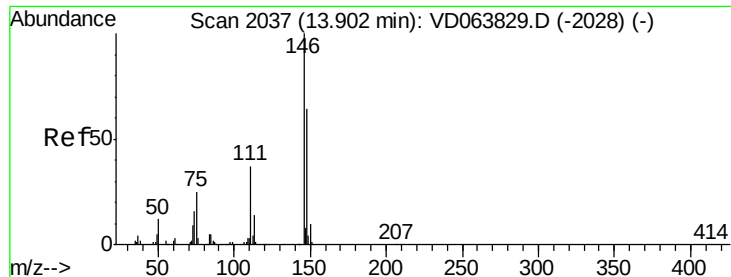
MMDadoda  
10/1/2019 9:26:03 AM



#90  
Hexachloroethane  
Concen: 10.050 ug/l  
RT: 14.12 min Scan# 2074  
Delta R.T. -0.01 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 22415 |       |       |
| 201     | 81.4  |       | 39.3  | 117.8 |





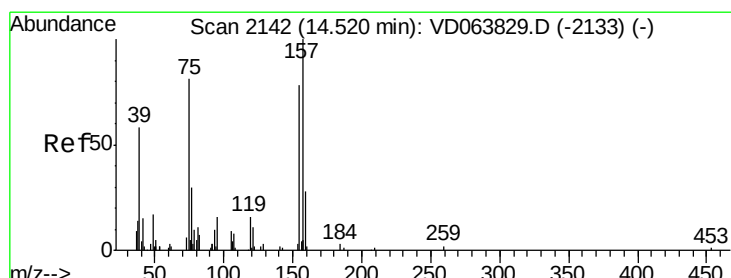
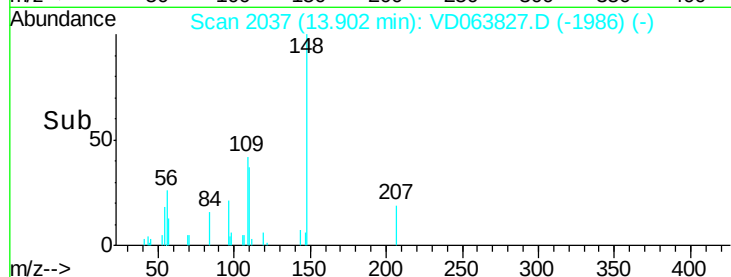
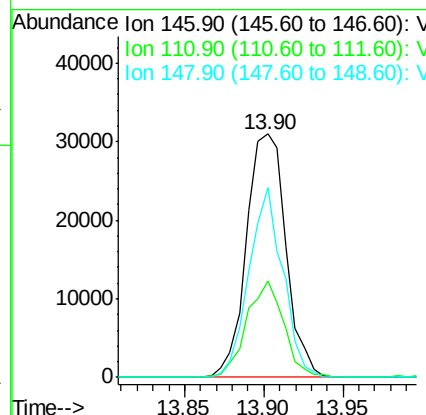
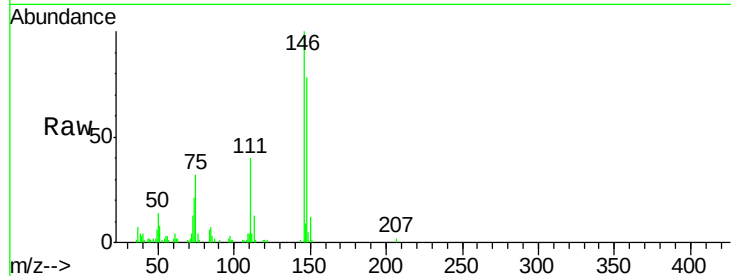
#91  
 1,2-Dichlorobenzene  
 Concen: 10.468 ug/l  
 RT: 13.90 min Scan# 2037  
 Delta R.T. 0.00 min  
 Lab File: VD063827.D  
 Acq: 25 Sep 2019 17:25

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 146     | 100   | 53600 |       |       |
| 111     | 37.5  |       | 18.9  | 56.7  |
| 148     | 67.0  |       | 32.2  | 96.6  |

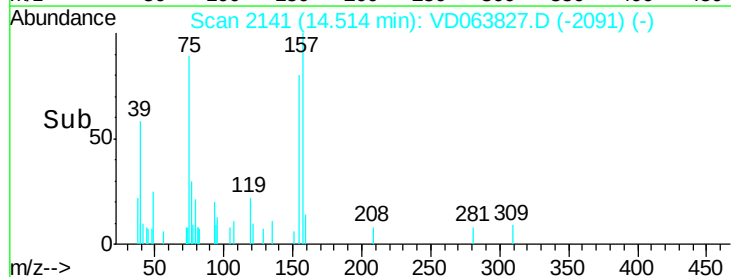
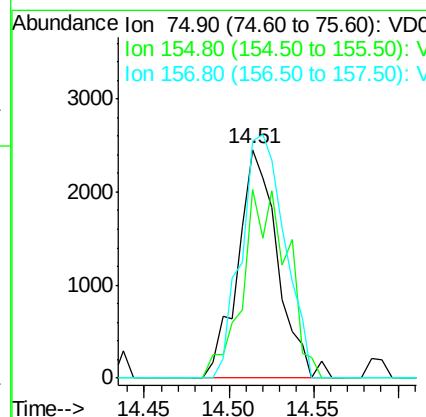
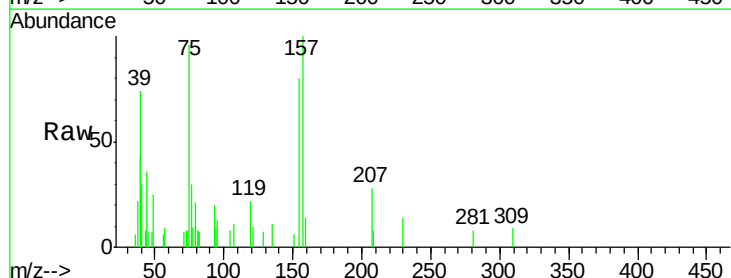
Manual Integrations  
 APPROVED

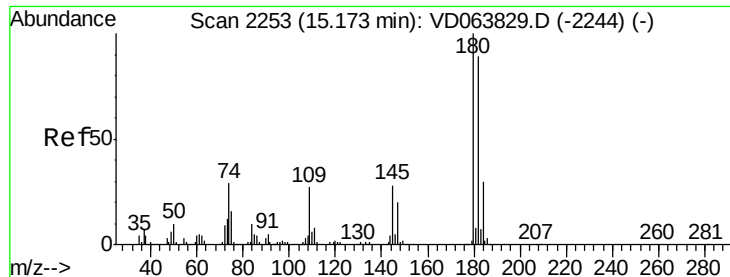
MMDadoda  
 10/1/2019 9:26:03 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 11.336 ug/l  
 RT: 14.51 min Scan# 2141  
 Delta R.T. -0.01 min  
 Lab File: VD063827.D  
 Acq: 25 Sep 2019 17:25

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   | 4033 |       |       |
| 155     | 92.6  |      | 48.0  | 144.0 |
| 157     | 116.7 |      | 63.2  | 189.8 |





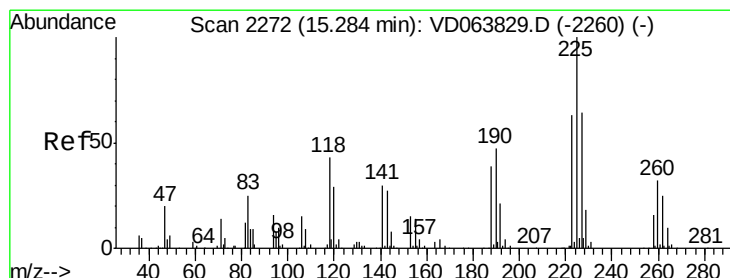
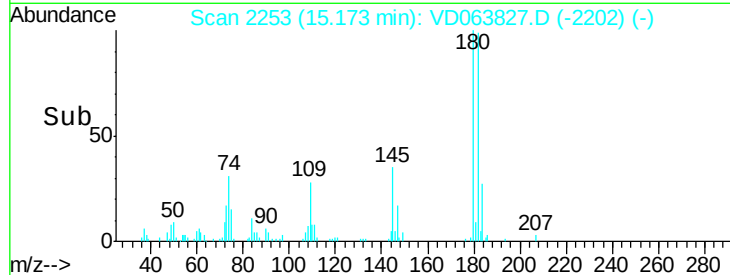
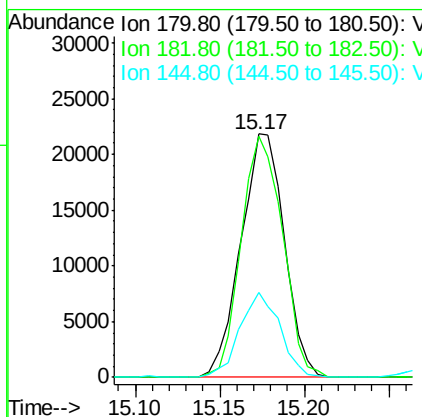
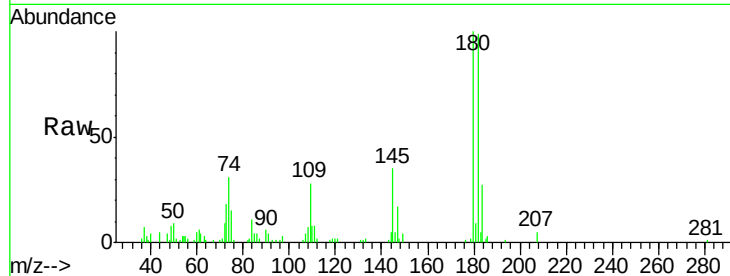
#93  
 1,2,4-Trichlorobenzene  
 Concen: 10.077 ug/l  
 RT: 15.17 min Scan# 2253  
 Delta R.T. 0.00 min  
 Lab File: VD063827.D  
 Acq: 25 Sep 2019 17:25

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 94.3  | 46.5 | 139.5 |       |
| 145     | 32.2  | 14.4 | 43.4  |       |

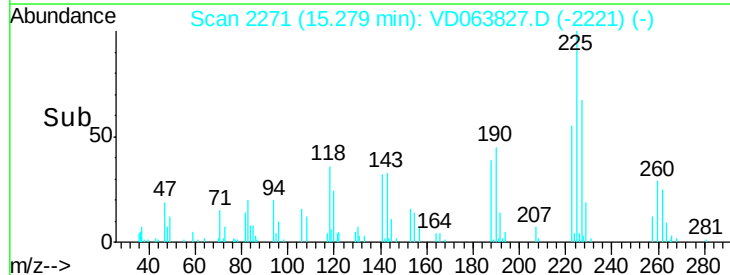
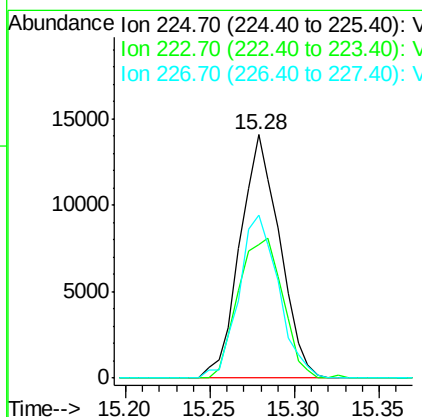
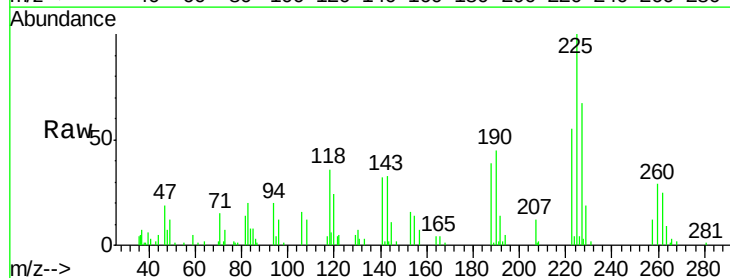
Manual Integrations  
 APPROVED

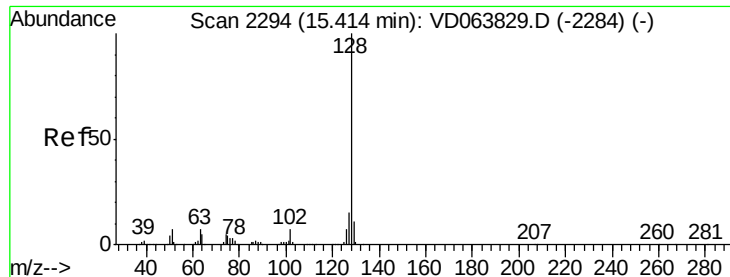
MMDadoda  
 10/1/2019 9:26:03 AM



#94  
 Hexachlorobutadiene  
 Concen: 10.460 ug/l  
 RT: 15.28 min Scan# 2271  
 Delta R.T. -0.01 min  
 Lab File: VD063827.D  
 Acq: 25 Sep 2019 17:25

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 64.4  | 32.8 | 98.3  |       |
| 227     | 67.2  | 32.8 | 98.3  |       |





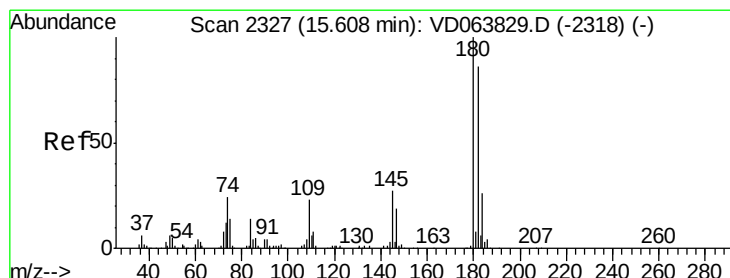
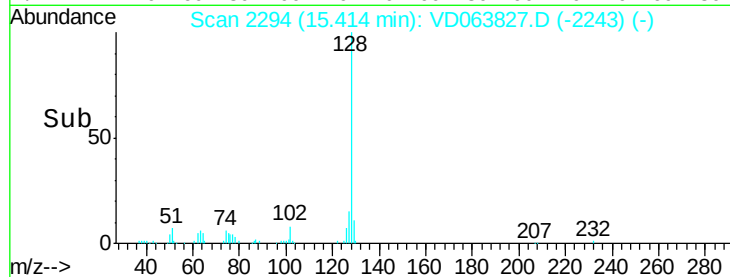
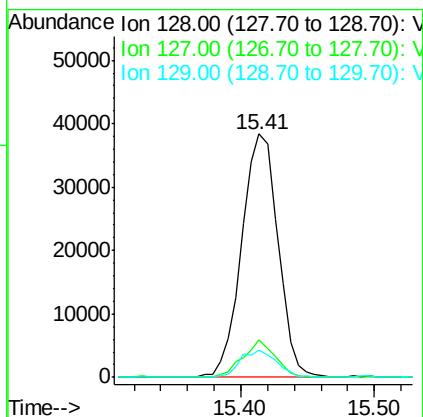
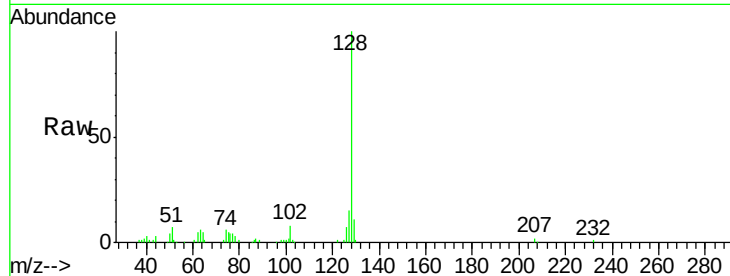
#95  
Naphthalene  
Concen: 10.298 ug/l  
RT: 15.41 min Scan# 2294  
Delta R.T. 0.00 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.7  | 10.8  | 16.2  |
| 129     | 11.1  | 8.8   | 13.2  |

Manual Integrations  
APPROVED

MMDadoda  
10/1/2019 9:26:03 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 10.100 ug/l  
RT: 15.61 min Scan# 2327  
Delta R.T. 0.00 min  
Lab File: VD063827.D  
Acq: 25 Sep 2019 17:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 99.7  | 46.6  | 139.7 |
| 145     | 31.0  | 14.5  | 43.5  |

