

Data Path : W:\HPCHEM1\MSVOA\_D\DATA\VD091815\  
 Data File : VD046787.D  
 Acq On : 18 Sep 2015 17:27  
 Operator : FY/SY  
 Sample : VD0918SBS01  
 Misc : 5.00gm/5mL/MSVOA\_D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0918SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 9/21/2015 11:39:18 AM

Quant Time: Sep 18 19:47:00 2015  
 Quant Method : W:\HPCHEM1\MSVOA\_D\METHOD\82D091815S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 18 15:47:18 2015  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 6.31  | 168  | 201635   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 7.44  | 114  | 256663   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.58 | 117  | 247071   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.92 | 152  | 130107   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 6.72   | 65  | 98629    | 47.05 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.10%  |      |
| 35) Dibromofluoromethane    | 6.22   | 113 | 98888    | 49.24 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.48%  |      |
| 50) Toluene-d8              | 9.63   | 98  | 324066   | 51.15 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.30% |      |
| 62) 4-Bromofluorobenzene    | 12.85  | 95  | 130637   | 51.21 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.42% |      |

|                                |      |     |         |        |        |     |
|--------------------------------|------|-----|---------|--------|--------|-----|
| Target Compounds               |      |     |         | Qvalue |        |     |
| 2) Dichlorodifluoromethane     | 1.43 | 85  | 43148   | 20.89  | ug/l   | 94  |
| 3) Chlorodifluoromethane       | 1.44 | 51  | 35713   | 20.03  | ug/l # | 93  |
| 4) Chloromethane               | 1.58 | 50  | 24378   | 20.51  | ug/l   | 99  |
| 5) Vinyl Chloride              | 1.68 | 62  | 23722   | 21.25  | ug/l   | 99  |
| 6) Bromomethane                | 1.98 | 94  | 23917   | 22.48  | ug/l   | 99  |
| 7) Chloroethane                | 2.09 | 64  | 13724   | 19.64  | ug/l   | 98  |
| 8) Trichlorofluoromethane      | 2.33 | 101 | 66599   | 20.17  | ug/l   | 97  |
| 9) Diethyl Ether               | 2.64 | 74  | 12207   | 20.85  | ug/l   | 85  |
| 10) 1,1,2-Trichlorotrifluoroet | 2.89 | 101 | 41820   | 20.24  | ug/l   | 98  |
| 11) Methyl Iodide              | 3.05 | 142 | 38913   | 17.30  | ug/l   | 97  |
| 12) Tert butyl alcohol         | 3.66 | 59  | 10406m  | 125.94 | ug/l   |     |
| 13) 1,1-Dichloroethene         | 2.88 | 96  | 33225   | 20.57  | ug/l   | 96  |
| 14) Acrolein                   | 2.79 | 56  | 11454   | 106.95 | ug/l   | 84  |
| 15) Allyl chloride             | 3.34 | 41  | 65872   | 20.08  | ug/l   | 89  |
| 16) Acrylonitrile              | 3.85 | 53  | 25178   | 102.86 | ug/l   | 98  |
| 17) Acetone                    | 2.95 | 43  | 36472   | 102.96 | ug/l   | 94  |
| 18) Carbon Disulfide           | 3.14 | 76  | 121398  | 20.06  | ug/l   | 98  |
| 19) Methyl Acetate             | 3.35 | 43  | 43454   | 21.18  | ug/l # | 92  |
| 20) Methyl tert-butyl Ether    | 3.91 | 73  | 52943   | 20.92  | ug/l   | 93  |
| 21) Methylene Chloride         | 3.52 | 84  | 41348   | 21.50  | ug/l   | 93  |
| 22) trans-1,2-Dichloroethene   | 3.90 | 96  | 37925   | 20.82  | ug/l   | 94  |
| 23) Diisopropyl ether          | 4.66 | 45  | 113156  | 20.78  | ug/l # | 93  |
| 24) Vinyl Acetate              | 4.61 | 43  | 103091m | 90.92  | ug/l   |     |
| 25) 1,1-Dichloroethane         | 4.57 | 63  | 66675   | 19.88  | ug/l   | 99  |
| 26) 2-Butanone                 | 5.46 | 43  | 41522   | 104.30 | ug/l   | 99  |
| 27) 2,2-Dichloropropane        | 5.44 | 77  | 67292   | 19.53  | ug/l   | 99  |
| 28) cis-1,2-Dichloroethene     | 5.44 | 96  | 40054   | 21.12  | ug/l   | 89  |
| 29) Bromochloromethane         | 5.80 | 49  | 27904   | 21.11  | ug/l   | 88  |
| 30) Chloroform                 | 5.98 | 83  | 82724   | 20.33  | ug/l   | 100 |
| 31) Cyclohexane                | 6.29 | 56  | 62551   | 19.88  | ug/l   | 88  |
| 32) 1,1,1-Trichloroethane      | 6.19 | 97  | 71958   | 19.86  | ug/l   | 99  |
| 36) 1,1-Dichloropropene        | 6.44 | 75  | 60708   | 20.24  | ug/l   | 98  |
| 37) Ethyl Acetate              | 5.56 | 43  | 20548   | 21.33  | ug/l # | 94  |
| 38) Carbon Tetrachloride       | 6.42 | 117 | 62344   | 20.00  | ug/l   | 96  |

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 Sample : VD0918SBS01  
 Misc : 5.00gm/5mL/MSVOA\_D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD0918SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 9/21/2015 11:39:18 AM

Quant Time: Sep 18 19:47:00 2015  
 Quant Method : W:\HPCHEM1\MSVOA\_D\METHOD\82D091815S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 18 15:47:18 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 8.09  | 83   | 61467    | 20.22  | ug/l   | 97       |
| 40) Benzene                    | 6.73  | 78   | 154934   | 20.23  | ug/l   | 94       |
| 41) Methacrylonitrile          | 5.76  | 41   | 10725    | 19.85  | ug/l # | 91       |
| 42) 1,2-Dichloroethane         | 6.84  | 62   | 49403    | 20.77  | ug/l   | 96       |
| 43) Isopropyl Acetate          | 8.42  | 43   | 26593    | 20.94  | ug/l # | 97       |
| 44) Trichloroethene            | 7.75  | 130  | 39234    | 20.47  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 8.15  | 63   | 37944    | 20.00  | ug/l   | 94       |
| 46) Dibromomethane             | 8.28  | 93   | 22061    | 20.48  | ug/l   | 94       |
| 47) Bromodichloromethane       | 8.57  | 83   | 58454    | 20.68  | ug/l   | 99       |
| 48) Methyl methacrylate        | 8.09  | 41   | 39453    | 20.32  | ug/l   | 90       |
| 49) 1,4-Dioxane                | 8.31  | 88   | 2957     | 411.66 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.49  | 43   | 95559    | 104.13 | ug/l   | 94       |
| 52) Toluene                    | 9.73  | 92   | 100096   | 21.19  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.13 | 75   | 43851    | 21.01  | ug/l   | 94       |
| 54) cis-1,3-Dichloropropene    | 9.24  | 75   | 56615    | 21.06  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 10.41 | 97   | 25677    | 21.00  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.25 | 69   | 21106    | 19.22  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.61 | 76   | 45893    | 20.18  | ug/l   | 93       |
| 58) 2-Chloroethyl Vinyl ether  | 9.04  | 63   | 59478    | 102.47 | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.71 | 43   | 69965    | 105.52 | ug/l   | 95       |
| 60) Dibromochloromethane       | 10.89 | 129  | 33723    | 20.09  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.03 | 107  | 24572    | 20.35  | ug/l   | 95       |
| 64) Tetrachloroethene          | 10.47 | 164  | 39477    | 19.79  | ug/l   | 96       |
| 65) Chlorobenzene              | 11.61 | 112  | 103487   | 19.90  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 37341    | 19.55  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.74 | 91   | 212649   | 20.35  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.88 | 106  | 135823   | 41.22  | ug/l   | 92       |
| 69) o-Xylene                   | 12.30 | 106  | 60776    | 20.49  | ug/l   | 97       |
| 70) Styrene                    | 12.32 | 104  | 110712   | 21.53  | ug/l   | 96       |
| 71) Bromoform                  | 12.51 | 173  | 20176    | 19.83  | ug/l # | 96       |
| 73) Isopropylbenzene           | 12.67 | 105  | 187568   | 20.45  | ug/l   | 98       |
| 74) N-amyl acetate             | 12.51 | 43   | 39089    | 20.06  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.99 | 83   | 30686    | 20.73  | ug/l   | 94       |
| 76) 1,2,3-Trichloropropane     | 13.04 | 75   | 31797    | 20.08  | ug/l   | 98       |
| 77) Bromobenzene               | 12.98 | 156  | 46772    | 20.28  | ug/l   | 83       |
| 78) n-propylbenzene            | 13.08 | 91   | 269294   | 20.79  | ug/l   | 96       |
| 79) 2-Chlorotoluene            | 13.17 | 91   | 147722   | 20.54  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 13.25 | 105  | 154721   | 21.17  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 12.74 | 75   | 7825     | 20.37  | ug/l # | 85       |
| 82) 4-Chlorotoluene            | 13.27 | 91   | 176773   | 20.65  | ug/l   | 94       |
| 83) tert-Butylbenzene          | 13.54 | 119  | 134475m  | 20.41  | ug/l   |          |
| 84) 1,2,4-Trimethylbenzene     | 13.59 | 105  | 151171   | 20.55  | ug/l   | 96       |
| 85) sec-Butylbenzene           | 13.74 | 105  | 202848   | 20.94  | ug/l   | 95       |
| 86) p-Isopropyltoluene         | 13.88 | 119  | 161898   | 21.27  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.85 | 146  | 86561    | 20.12  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 13.94 | 146  | 88348    | 20.65  | ug/l   | 99       |
| 89) n-Butylbenzene             | 14.22 | 91   | 178925   | 20.82  | ug/l   | 96       |
| 90) Hexachloroethane           | 14.49 | 117  | 34670    | 19.64  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene        | 14.24 | 146  | 74631    | 20.64  | ug/l   | 92       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.89 | 75   | 3814     | 20.05  | ug/l   | 88       |

Data Path : W:\HPCHEM1\MSVOA\_D\DATA\VD091815\  
Data File : VD046787.D  
Acq On : 18 Sep 2015 17:27  
Operator : FY/SY  
Sample : VD0918SBSD01  
Misc : 5.00gm/5mL/MSVOA\_D/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0918SBSD01

Manual Integrations  
APPROVED

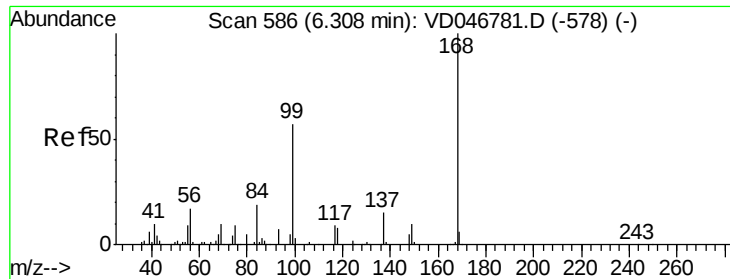
MMDadoda  
9/21/2015 11:39:18 AM

Quant Time: Sep 18 19:47:00 2015  
Quant Method : W:\HPCHEM1\MSVOA\_D\METHOD\82D091815S.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 18 15:47:18 2015  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.58 | 180  | 44548    | 21.40 | ug/l  | 94       |
| 94) Hexachlorobutadiene    | 15.69 | 225  | 34200    | 19.96 | ug/l  | 93       |
| 95) Naphthalene            | 15.83 | 128  | 52643    | 20.58 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 16.02 | 180  | 36311    | 20.88 | ug/l  | 96       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.31 min Scan# 587

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA\_D

ClientSampleId :

VD0918SBS01

Tgt Ion:168 Resp: 201635

Ion Ratio Lower Upper

168 100

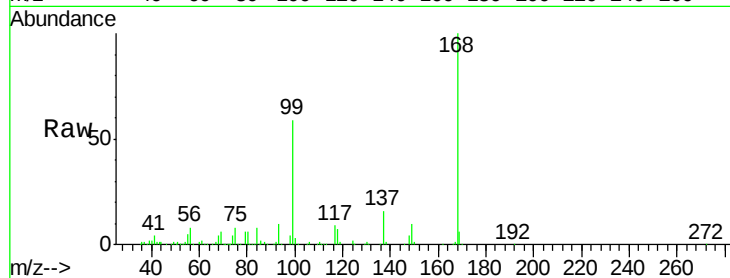
99 59.2 42.4 63.6

Manual Integrations

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9/21/2015 11:39:18 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.31

80000

60000

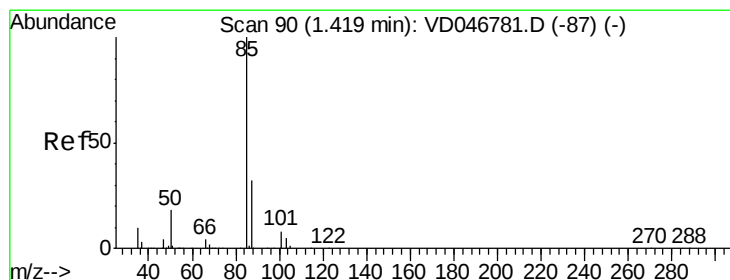
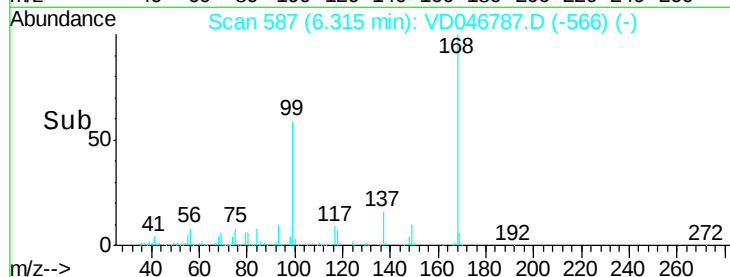
40000

20000

0

6.20 6.30 6.40 6.50

Time-->



#2

Dichlorodifluoromethane

Concen: 20.89 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.01 min

Lab File: VD046787.D

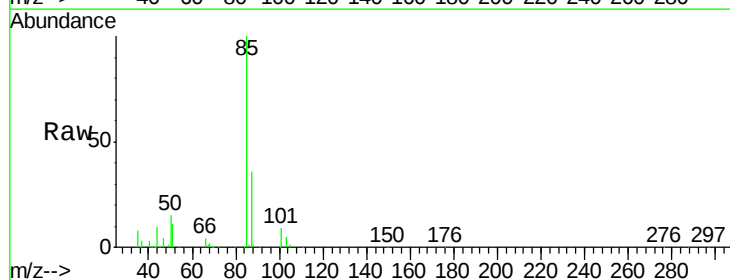
Acq: 18 Sep 2015 17:27

Tgt Ion: 85 Resp: 43148

Ion Ratio Lower Upper

85 100

87 35.8 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.43

40000

30000

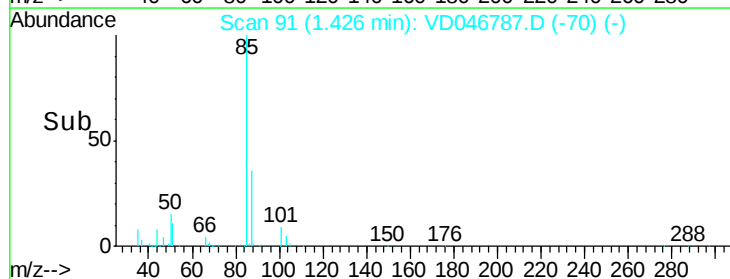
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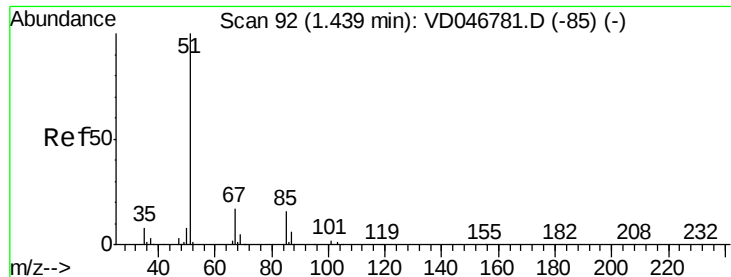
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0

1.40 1.50

Time-->





#3

Chlorodifluoromethane

Concen: 20.03 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA\_D

ClientSampleId :

VD0918SBS01

Tgt Ion: 51 Resp: 35713

Ion Ratio Lower Upper

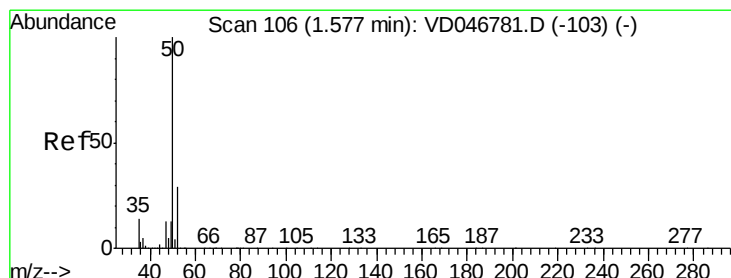
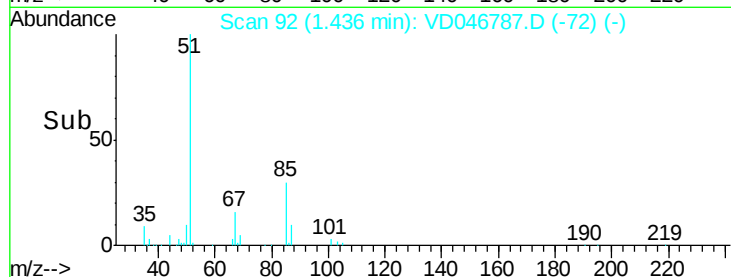
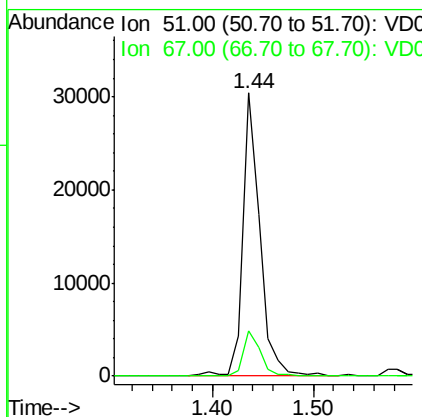
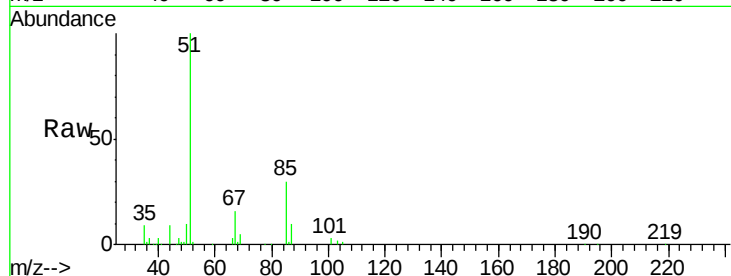
51 100

67 16.4 10.9 16.3#

Manual Integrations  
APPROVED

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9/21/2015 11:39:18 AM



#4

Chloromethane

Concen: 20.51 ug/l

RT: 1.58 min Scan# 107

Delta R.T. 0.01 min

Lab File: VD046787.D

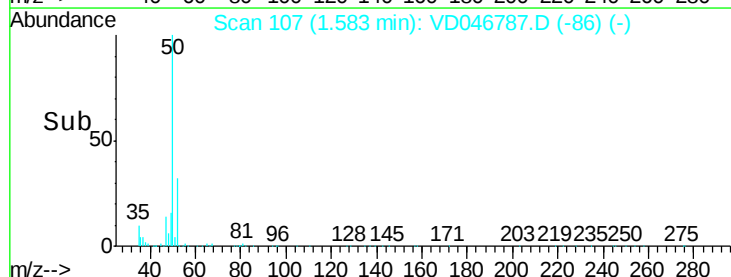
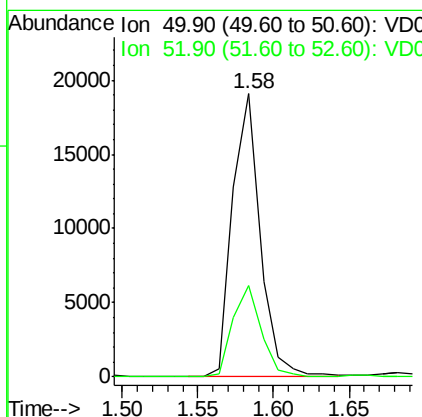
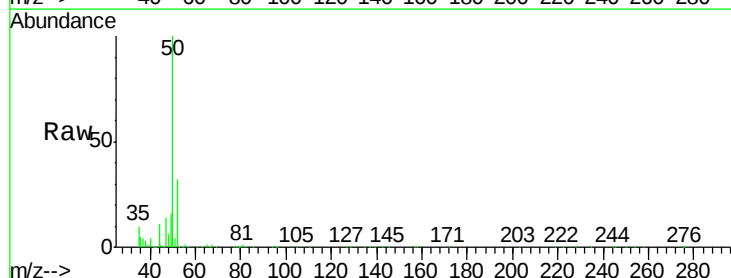
Acq: 18 Sep 2015 17:27

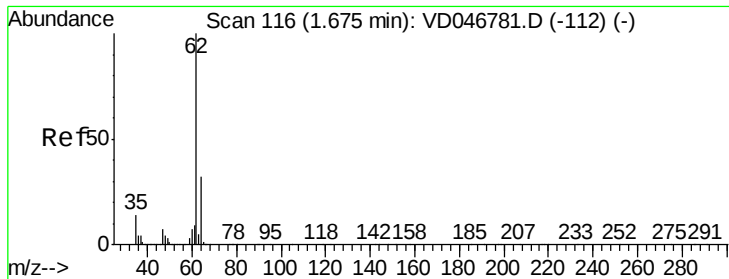
Tgt Ion: 50 Resp: 24378

Ion Ratio Lower Upper

50 100

52 32.3 26.2 39.2





#5

Vinyl Chloride

Concen: 21.25 ug/l

RT: 1.68 min Scan# 117

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA\_D

ClientSampleId :

VD0918SBS01

Tgt Ion: 62 Resp: 23722

Ion Ratio Lower Upper

62 100

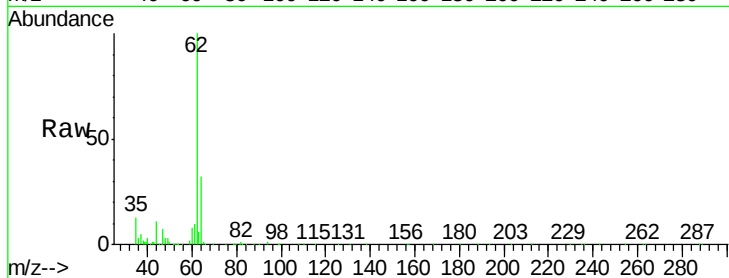
64 32.5 26.4 39.6

Manual Integrations

APPROVED

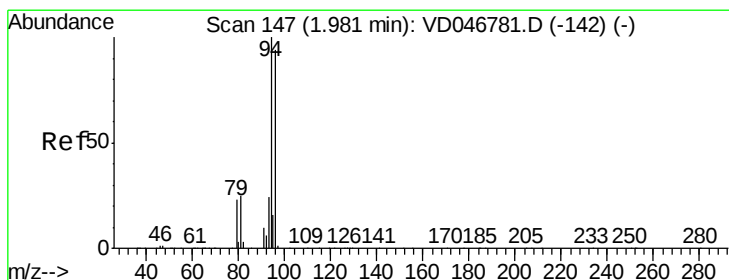
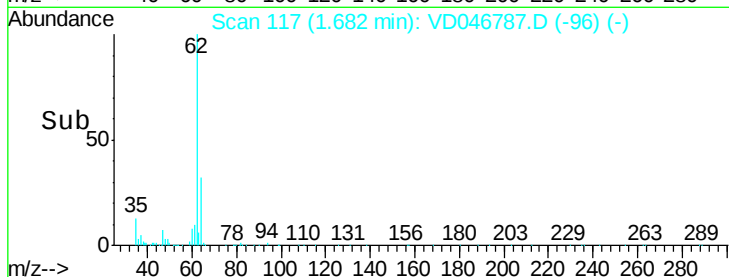
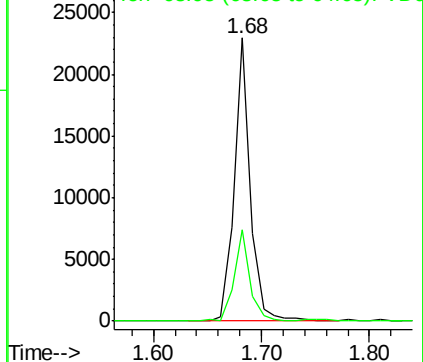
MMDadoda

9/21/2015 11:39:18 AM



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



#6

Bromomethane

Concen: 22.48 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.00 min

Lab File: VD046787.D

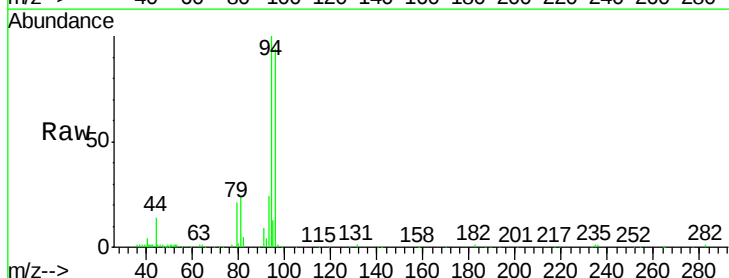
Acq: 18 Sep 2015 17:27

Tgt Ion: 94 Resp: 23917

Ion Ratio Lower Upper

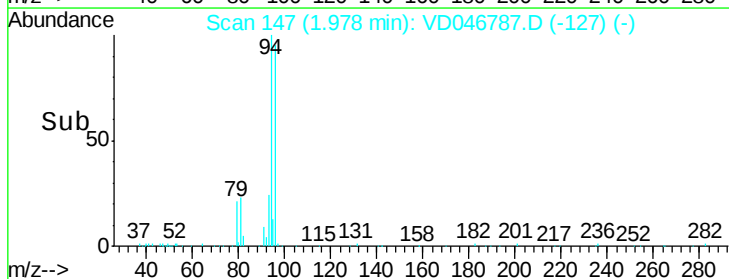
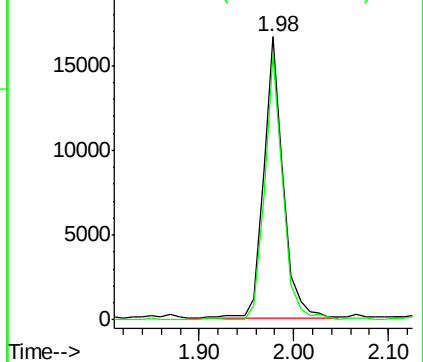
94 100

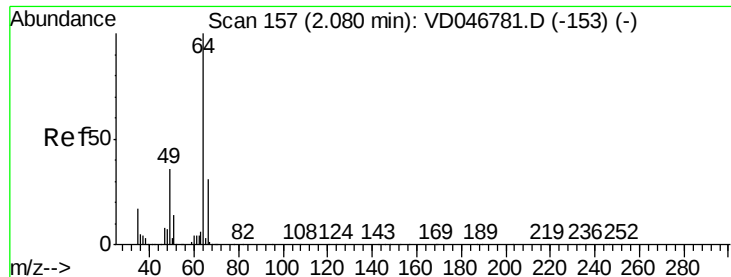
96 93.9 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#7

Chloroethane

Concen: 19.64 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA\_D

ClientSampleId :

VD0918SBS01

Tgt Ion: 64 Resp: 13724

Ion Ratio Lower Upper

64 100

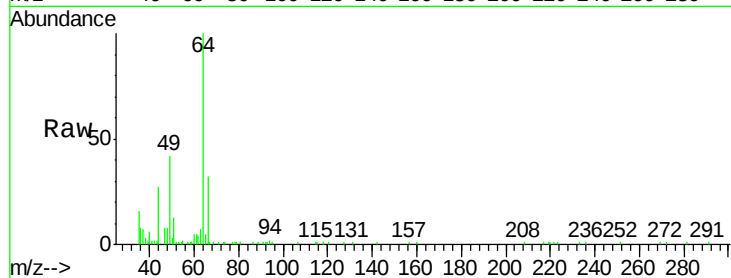
66 32.1 26.6 39.8

Manual Integrations

APPROVED

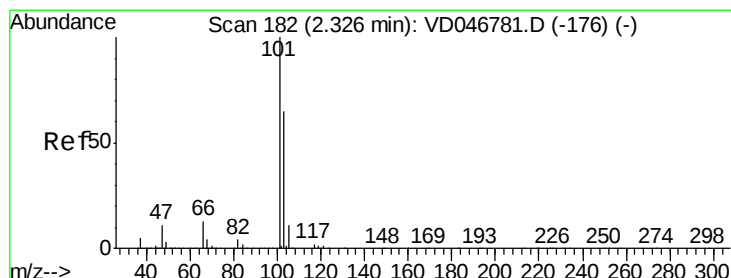
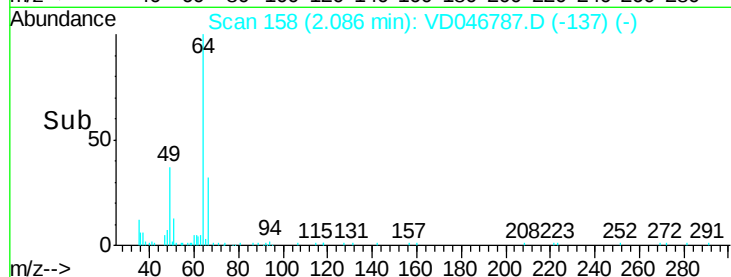
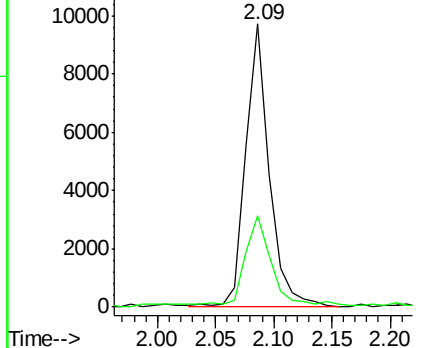
MMDadoda

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Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



#8

Trichlorofluoromethane

Concen: 20.17 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD046787.D

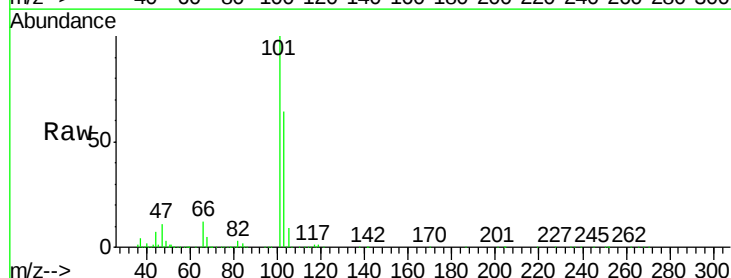
Acq: 18 Sep 2015 17:27

Tgt Ion: 101 Resp: 66599

Ion Ratio Lower Upper

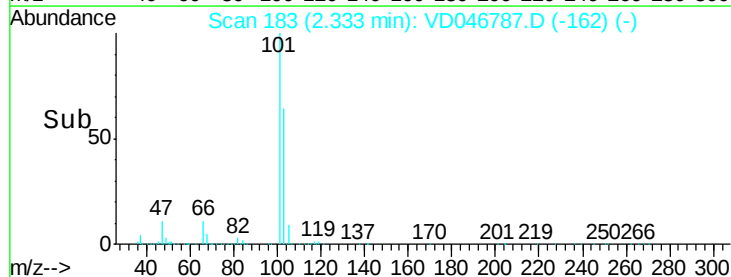
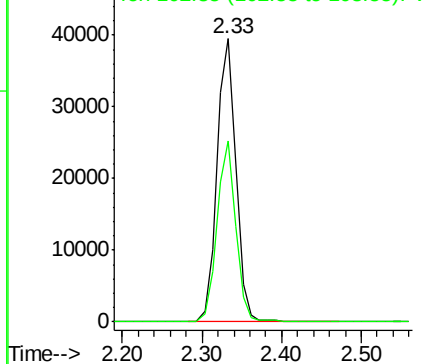
101 100

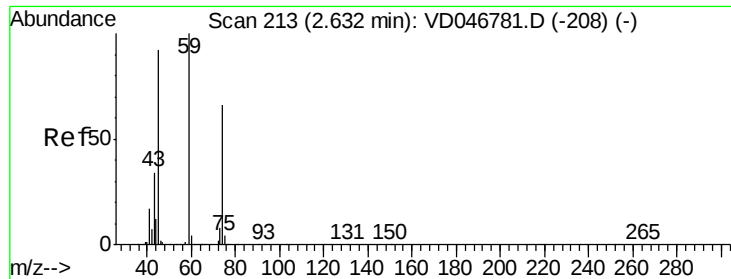
103 64.1 53.2 79.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V





#9

Diethyl Ether

Concen: 20.85 ug/l

RT: 2.64 min Scan# 214

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA\_D

ClientSampleId :

VD0918SBS01

Tgt Ion: 74 Resp: 12207

Ion Ratio Lower Upper

74 100

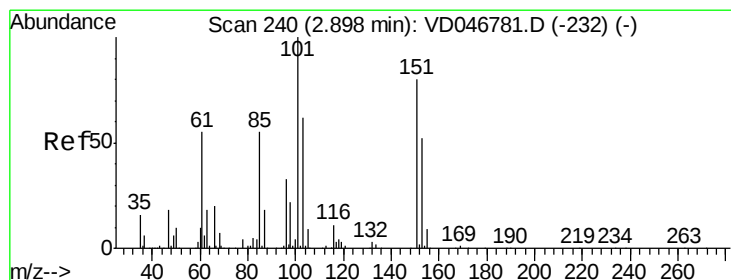
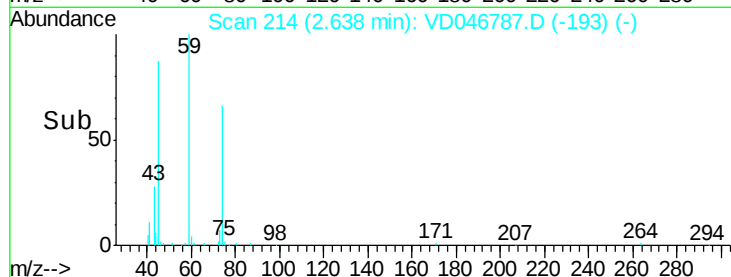
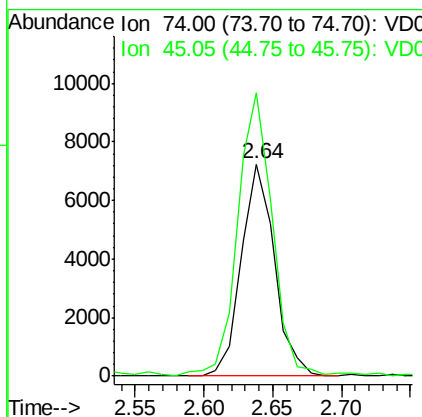
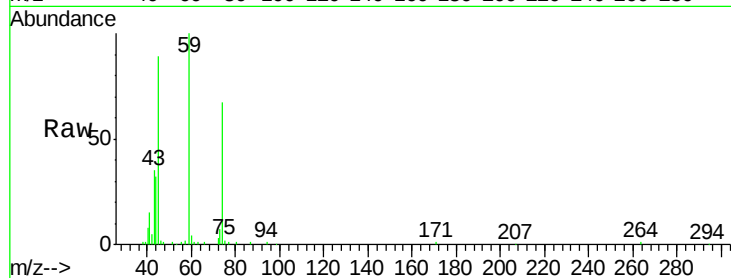
45 133.4 76.2 228.6

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#10

1,1,2-Trichlorotrifluoroethane

Concen: 20.24 ug/l

RT: 2.89 min Scan# 240

Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

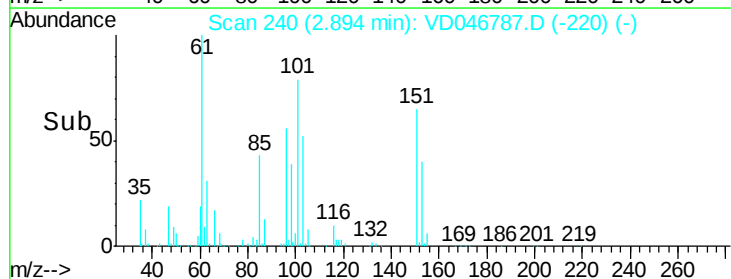
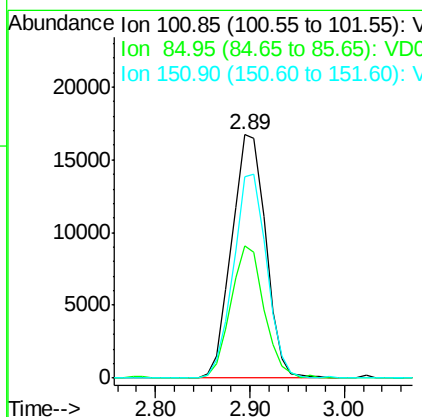
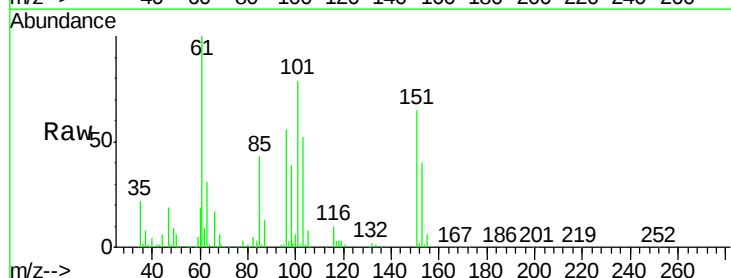
Tgt Ion: 101 Resp: 41820

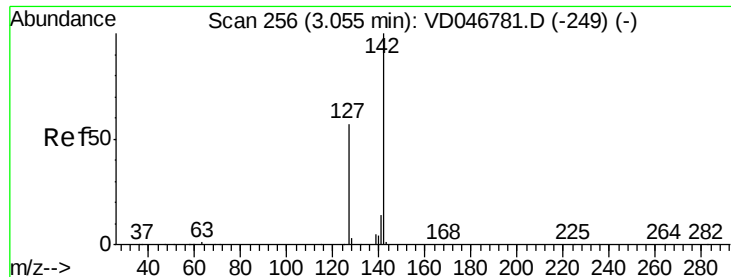
Ion Ratio Lower Upper

101 100

85 54.3 42.0 63.0

151 82.5 65.2 97.8





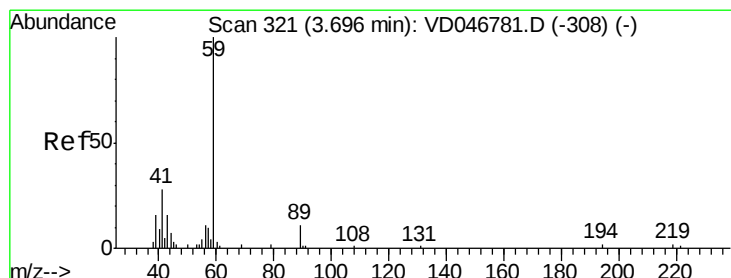
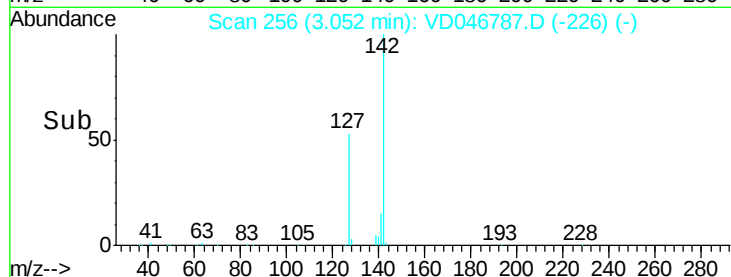
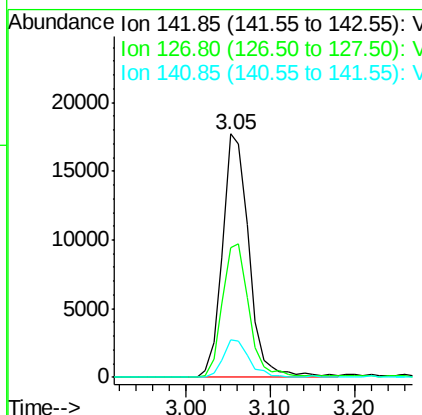
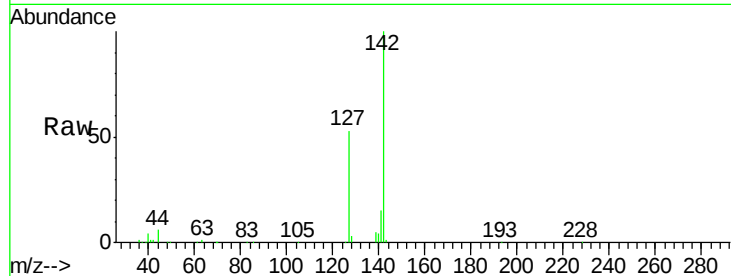
#11  
Methyl Iodide  
Concen: 17.30 ug/l  
RT: 3.05 min Scan# 256  
Delta R.T. -0.00 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0918SBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 53.4  | 41.2  | 61.8  |
| 141     | 15.4  | 11.6  | 17.4  |

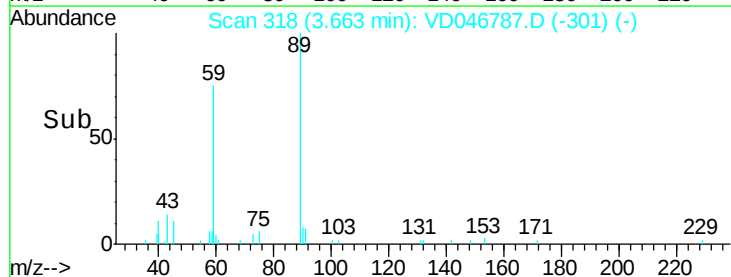
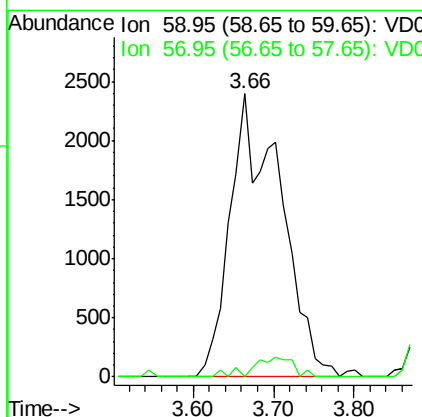
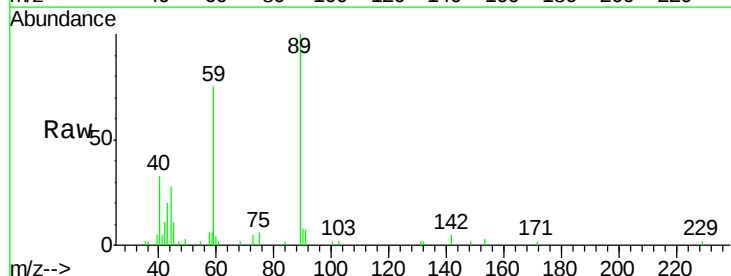
Manual Integrations  
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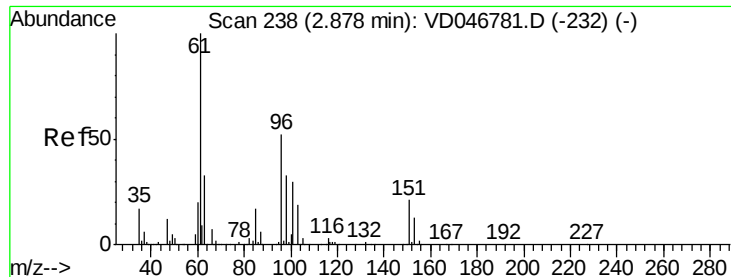
MMDadoda  
9/21/2015 11:39:18 AM



#12  
Tert butyl alcohol  
Concen: 125.94 ug/l m  
RT: 3.66 min Scan# 318  
Delta R.T. -0.03 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 0.0   | 7.8   | 11.6# |





#13

1,1-Dichloroethene

Concen: 20.57 ug/l

RT: 2.88 min Scan# 239

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA\_D

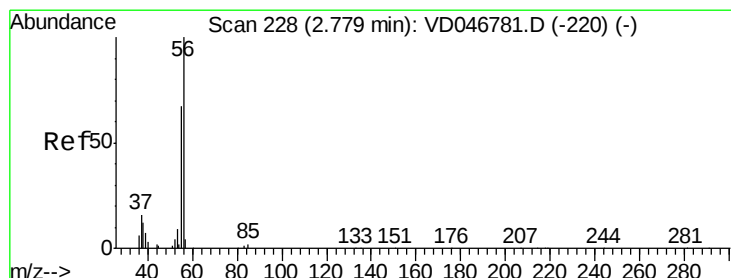
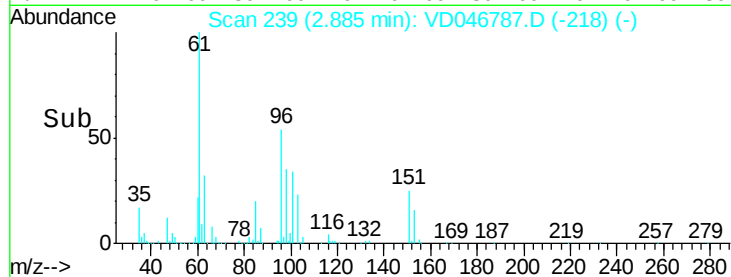
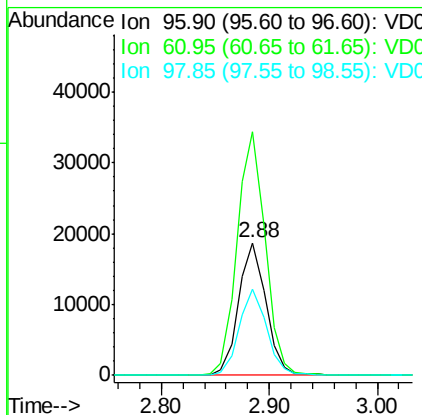
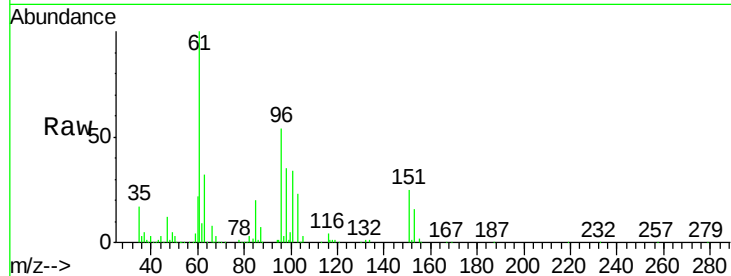
ClientSampleId :

VD0918SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 33225 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 183.6 | 152.2 | 228.4 |
| 98       | 64.8  | 51.2  | 76.8  |

Manual Integrations  
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#14

Acrolein

Concen: 106.95 ug/l

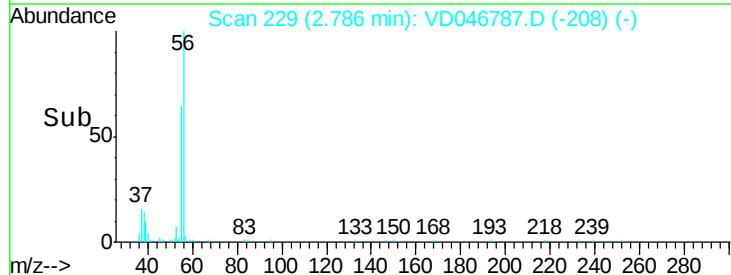
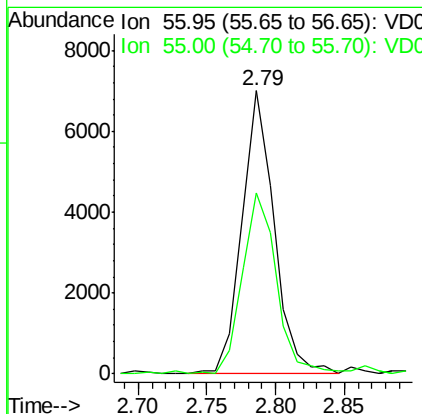
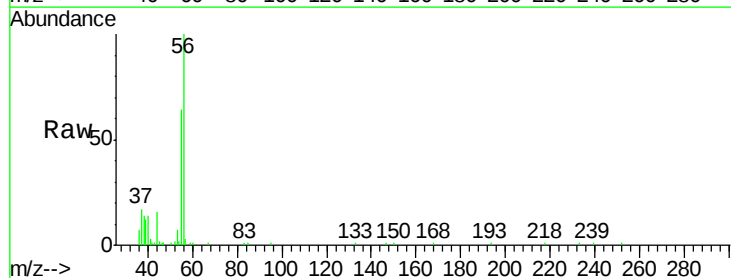
RT: 2.79 min Scan# 229

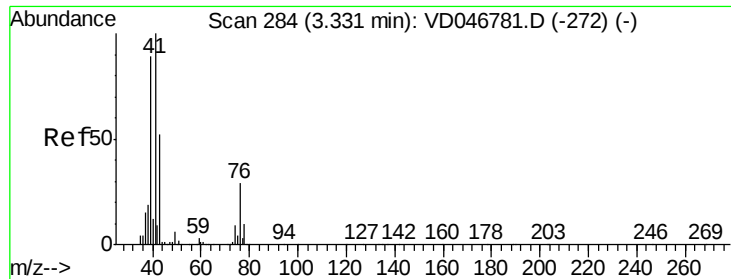
Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 11454 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 55       | 64.1  | 62.6  | 93.8  |





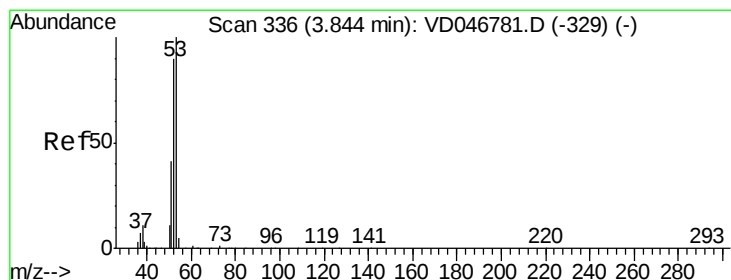
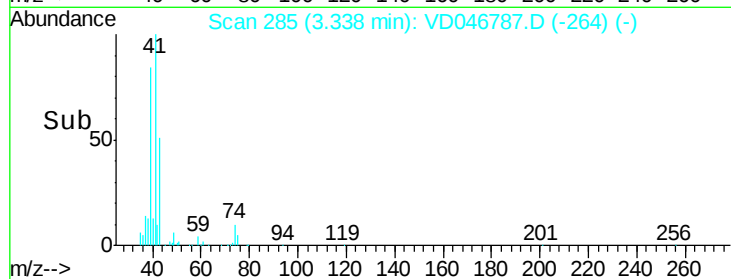
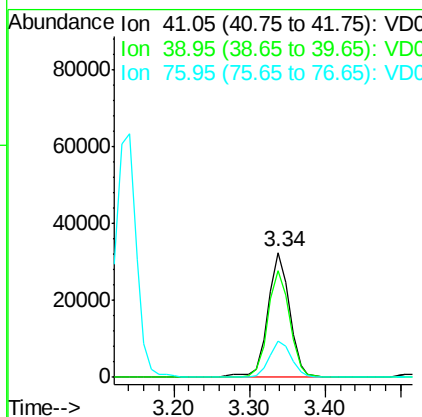
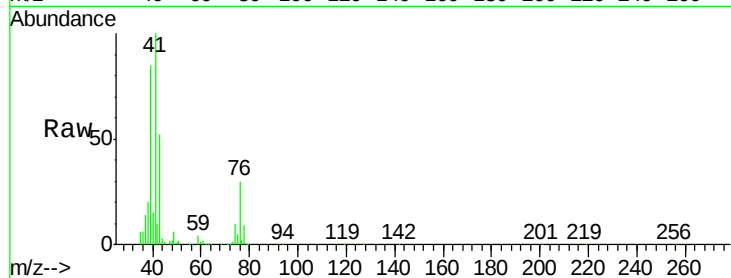
#15  
 Allyl chloride  
 Concen: 20.08 ug/l  
 RT: 3.34 min Scan# 285  
 Delta R.T. 0.01 min  
 Lab File: VD046787.D  
 Acq: 18 Sep 2015 17:27

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0918SBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 85.2  | 58.8  | 88.2  |
| 76      | 29.5  | 22.7  | 34.1  |

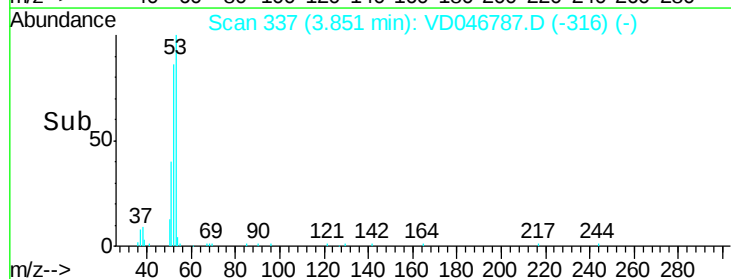
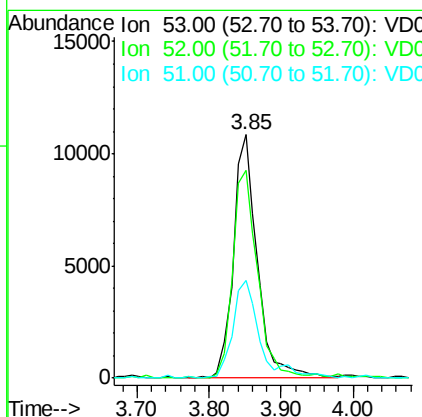
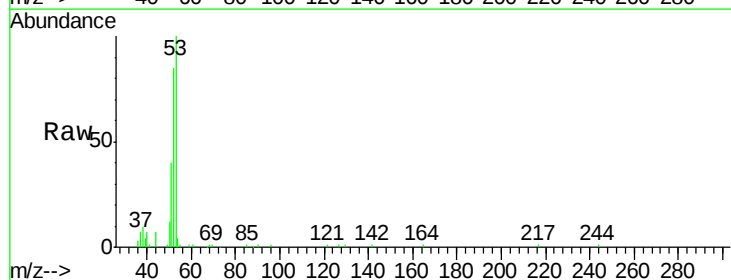
Manual Integrations  
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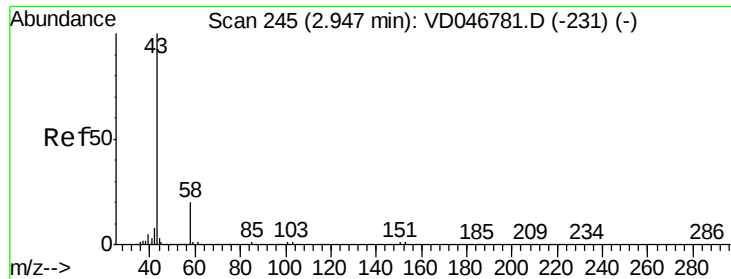
MMDadoda  
 9/21/2015 11:39:18 AM



#16  
 Acrylonitrile  
 Concen: 102.86 ug/l  
 RT: 3.85 min Scan# 337  
 Delta R.T. 0.01 min  
 Lab File: VD046787.D  
 Acq: 18 Sep 2015 17:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 85.3  | 66.8  | 100.2 |
| 51      | 40.3  | 31.2  | 46.8  |





#17

Acetone

Concen: 102.96 ug/l

RT: 2.95 min Scan# 246

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA\_D

ClientSampleId :

VD0918SBSD01

Tgt Ion: 43 Resp: 36472

Ion Ratio Lower Upper

43 100

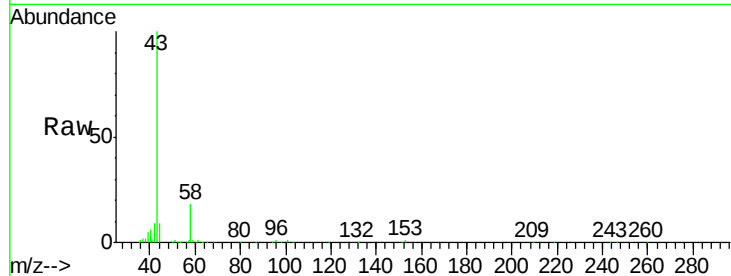
58 17.8 16.6 24.8

Manual Integrations

APPROVED

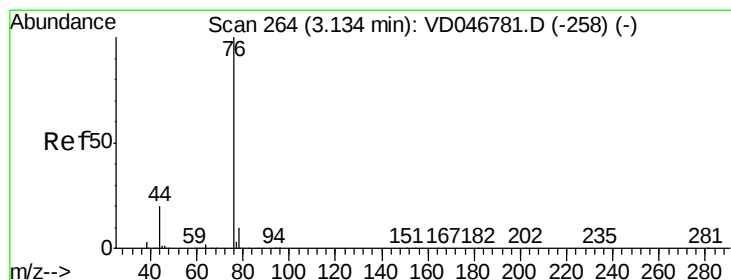
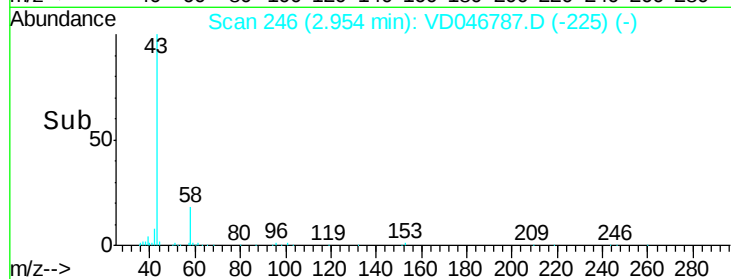
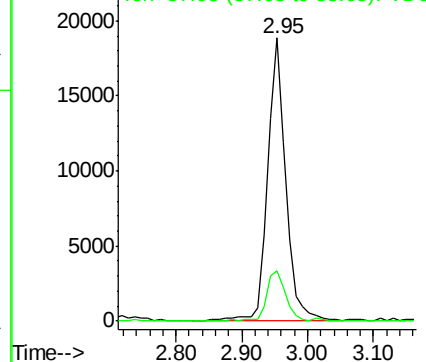
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Carbon Disulfide

Concen: 20.06 ug/l

RT: 3.14 min Scan# 265

Delta R.T. 0.01 min

Lab File: VD046787.D

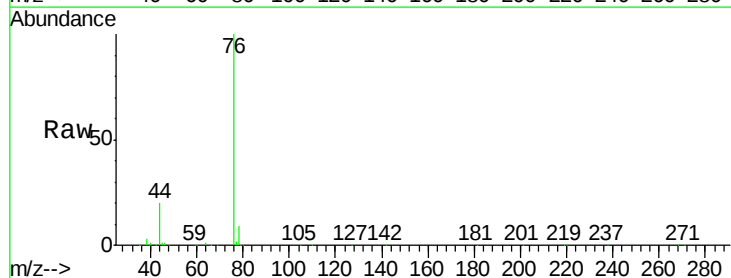
Acq: 18 Sep 2015 17:27

Tgt Ion: 76 Resp: 121398

Ion Ratio Lower Upper

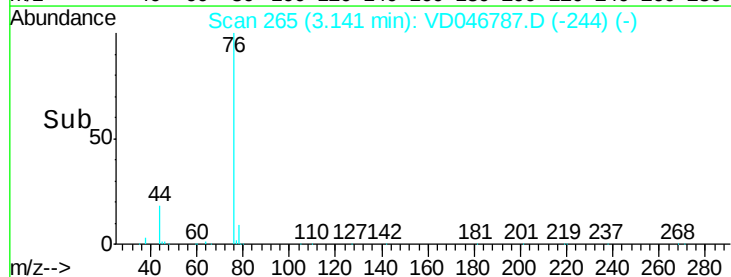
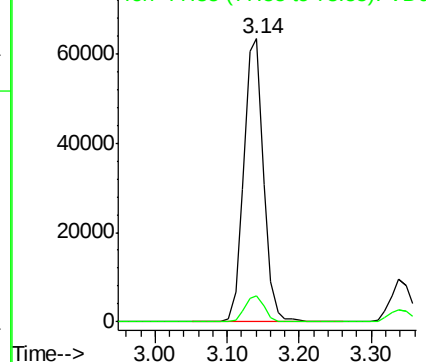
76 100

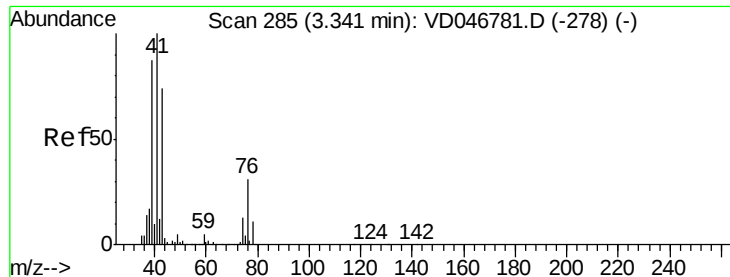
78 9.4 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC





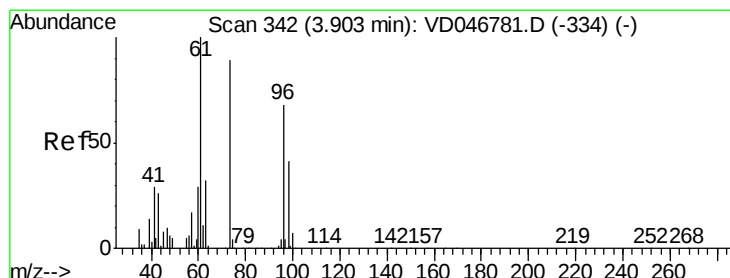
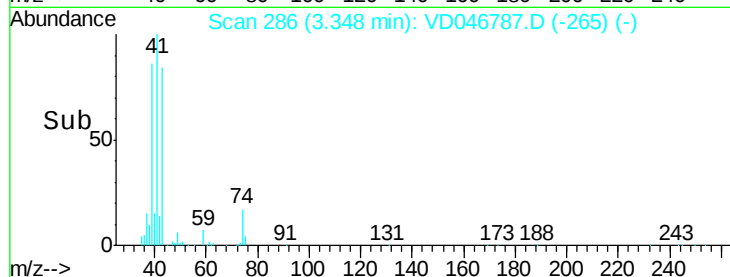
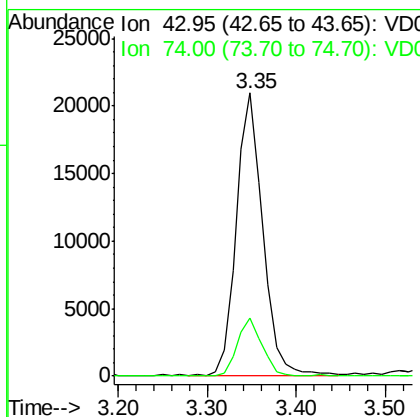
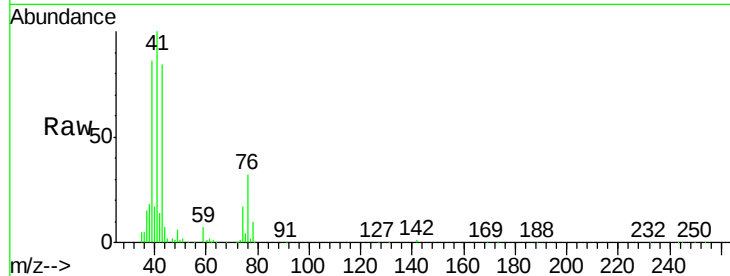
#19  
Methyl Acetate  
Concen: 21.18 ug/l  
RT: 3.35 min Scan# 286  
Delta R.T. 0.01 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0918SBS01

Tgt Ion: 43 Resp: 43454  
Ion Ratio Lower Upper  
43 100  
74 20.6 13.7 20.5#

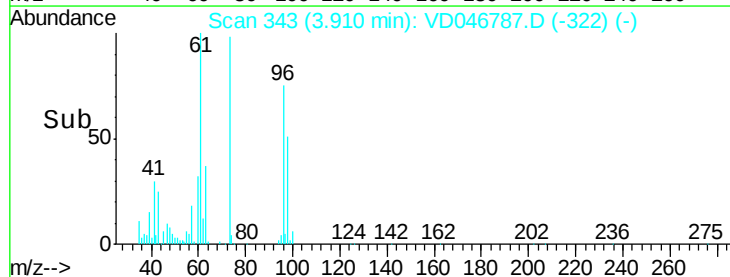
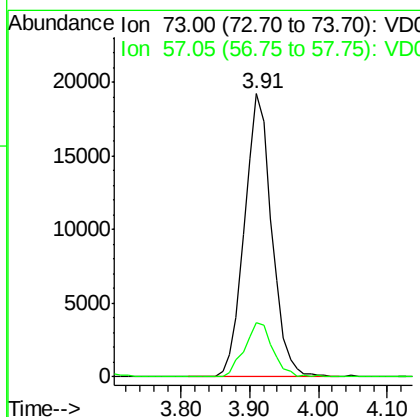
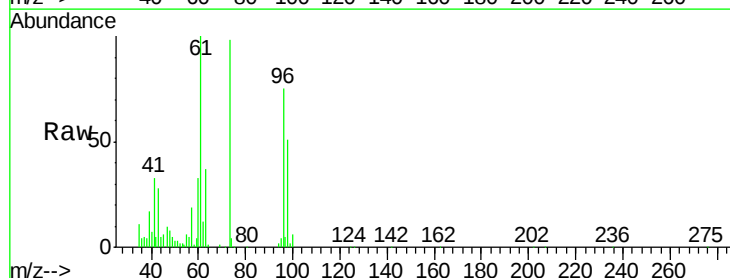
Manual Integrations  
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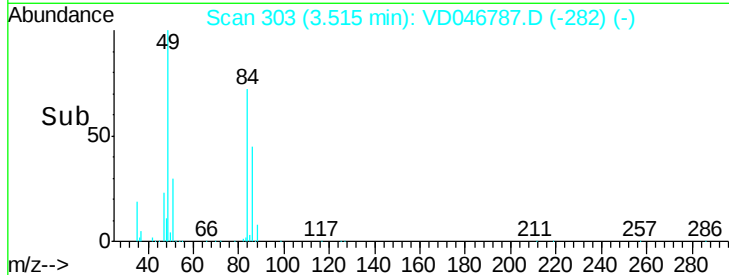
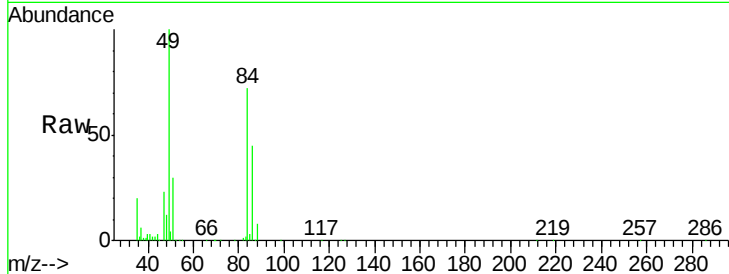
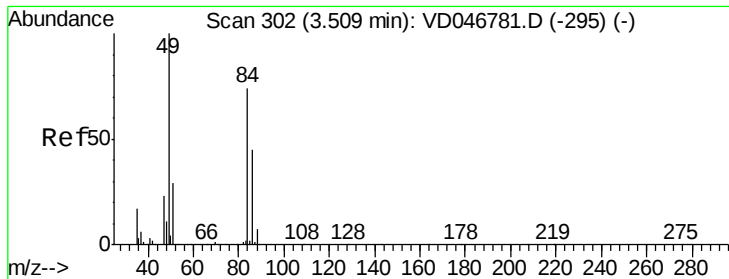
MMDadoda  
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#20  
Methyl tert-butyl Ether  
Concen: 20.92 ug/l  
RT: 3.91 min Scan# 343  
Delta R.T. 0.01 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

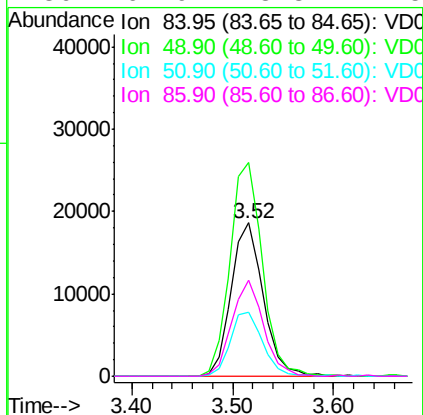
Tgt Ion: 73 Resp: 52943  
Ion Ratio Lower Upper  
73 100  
57 19.1 18.1 27.1





#21  
Methylene Chloride  
Concen: 21.50 ug/l  
RT: 3.52 min Scan# 303  
Delta R.T. 0.01 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

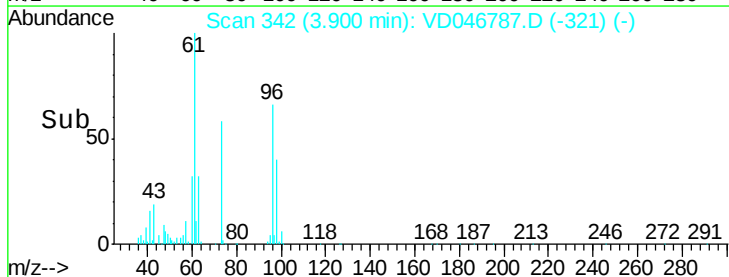
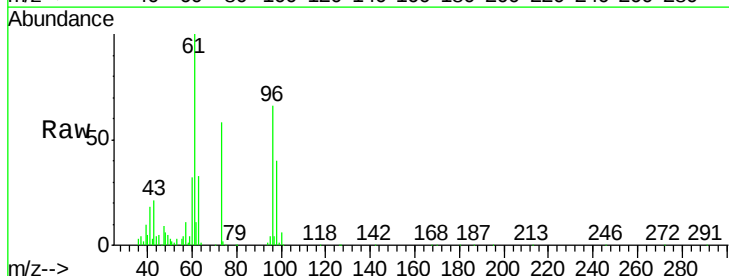
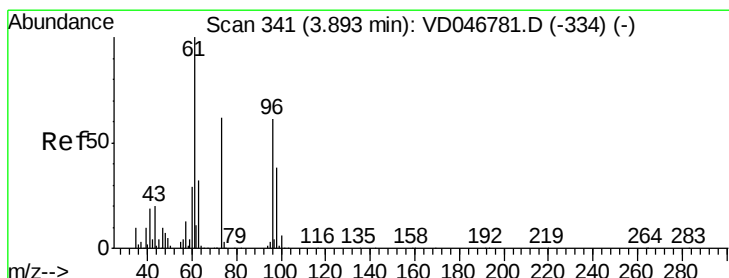
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 139.2 | 122.1 | 183.1 |
| 51      | 41.7  | 33.6  | 50.4  |
| 86      | 62.9  | 48.3  | 72.5  |



Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0918SBSD01

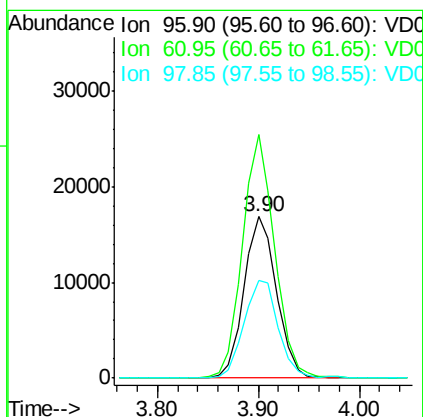
Manual Integrations  
APPROVED

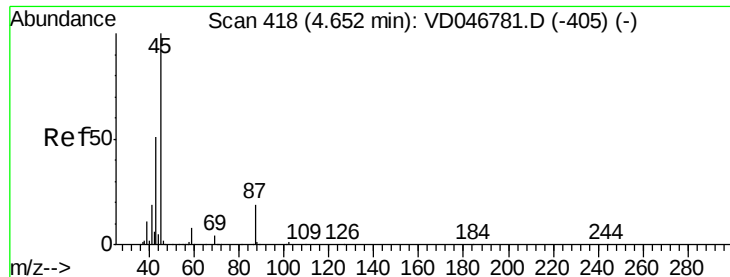
MMDadoda  
9/21/2015 11:39:18 AM



#22  
trans-1,2-Dichloroethene  
Concen: 20.82 ug/l  
RT: 3.90 min Scan# 342  
Delta R.T. 0.01 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 150.8 | 125.8 | 188.6 |
| 98      | 60.9  | 54.5  | 81.7  |





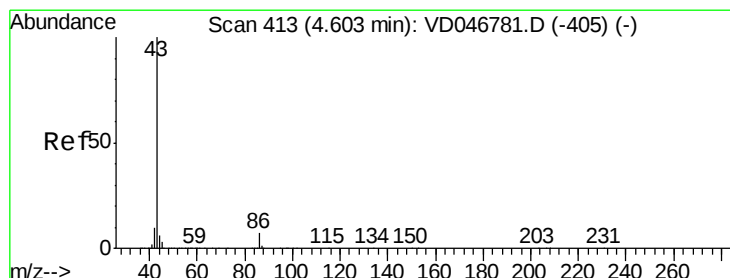
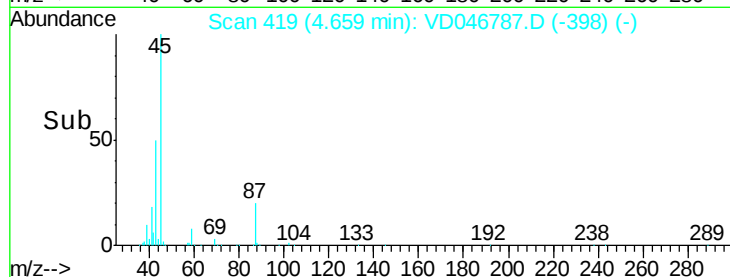
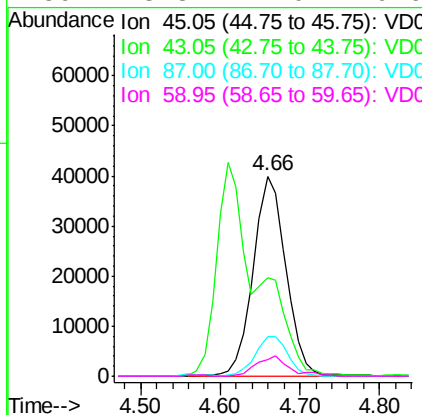
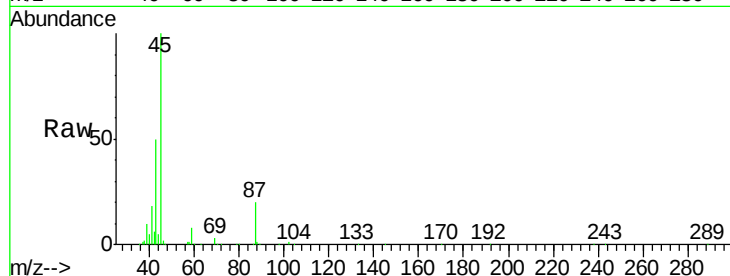
#23  
Diisopropyl ether  
Concen: 20.78 ug/l  
RT: 4.66 min Scan# 419  
Delta R.T. 0.01 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0918SBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 49.5  | 35.9  | 53.9  |
| 87      | 20.0  | 13.0  | 19.6  |
| 59      | 8.3   | 7.0   | 10.6  |

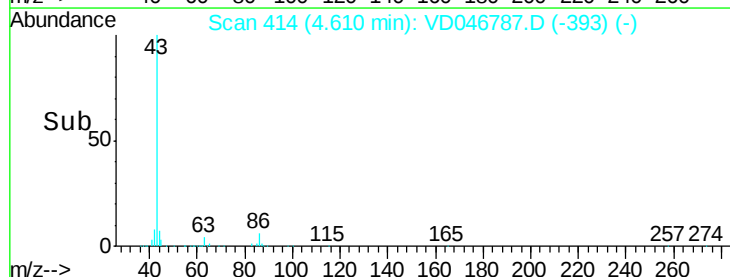
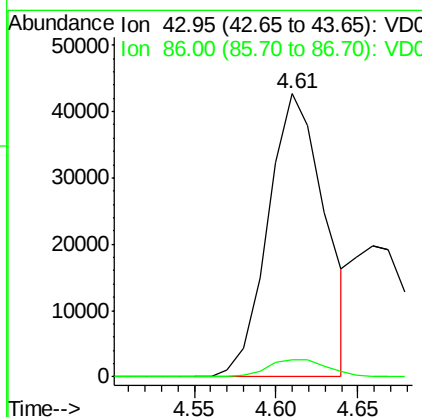
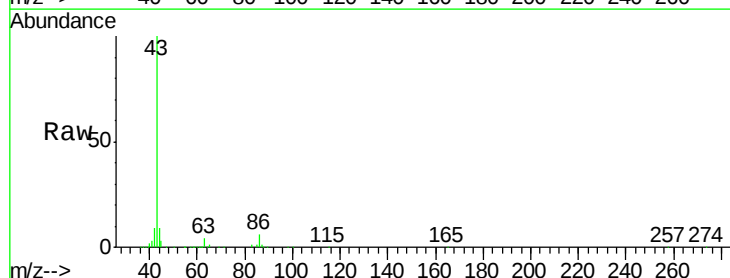
Manual Integrations  
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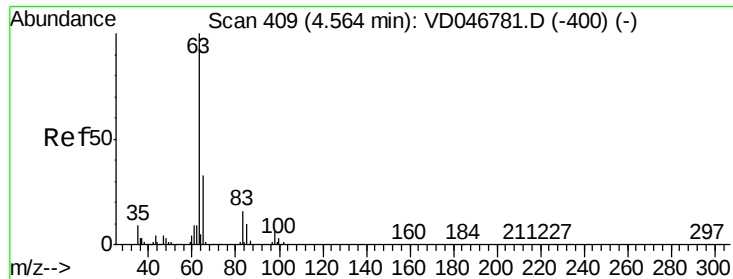
MMDadoda  
9/21/2015 11:39:18 AM



#24  
Vinyl Acetate  
Concen: 90.92 ug/l m  
RT: 4.61 min Scan# 414  
Delta R.T. 0.01 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 86      | 6.2   | 4.9   | 7.3   |





#25

1,1-Dichloroethane

Concen: 19.88 ug/l

RT: 4.57 min Scan# 410

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA\_D

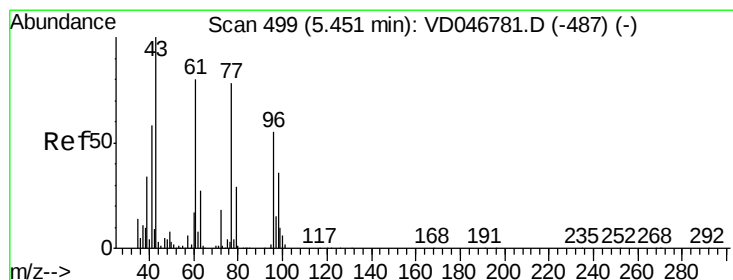
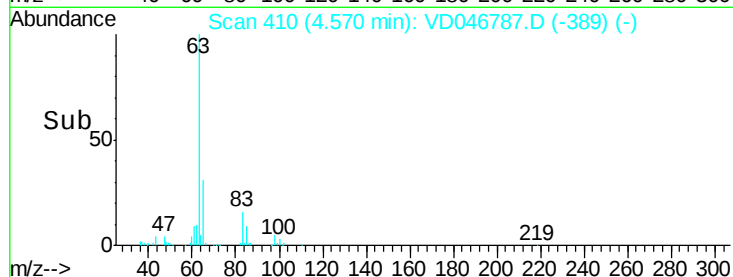
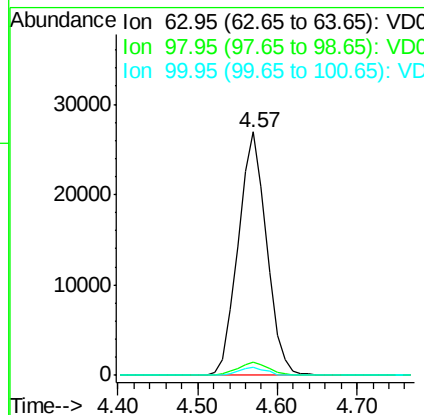
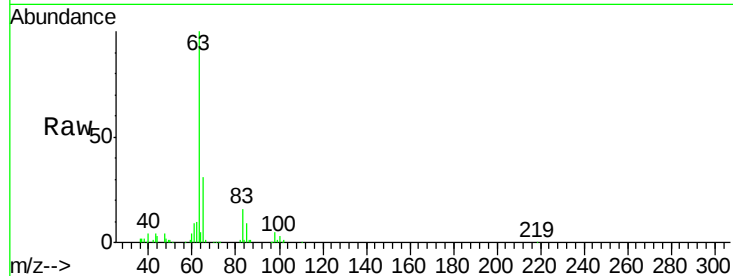
ClientSampleId :

VD0918SBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 63    | Resp: | 66675 |
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 98        | 5.2   | 2.5   | 7.5   |
| 100       | 3.2   | 1.5   | 4.5   |

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#26

2-Butanone

Concen: 104.30 ug/l

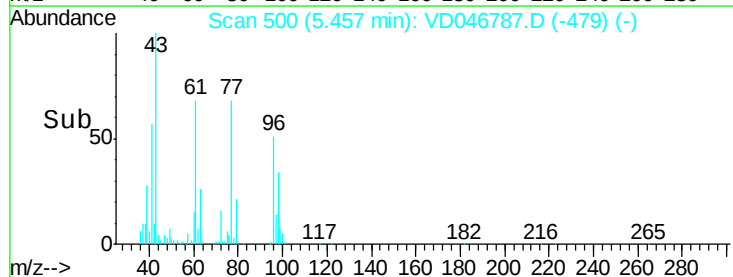
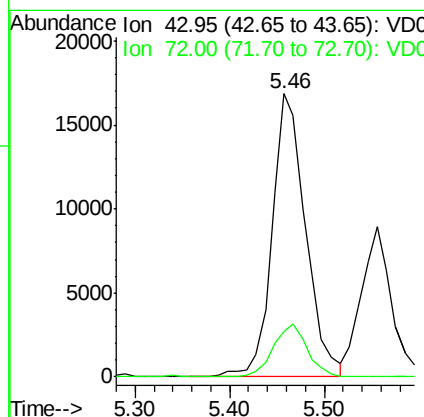
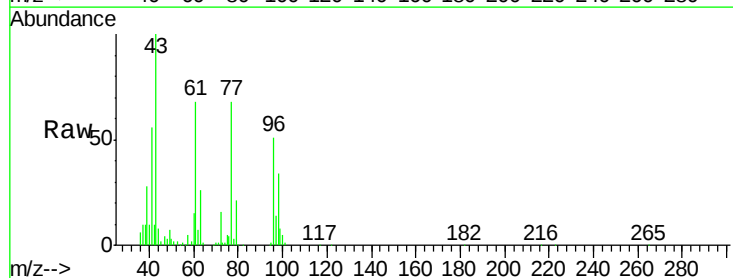
RT: 5.46 min Scan# 500

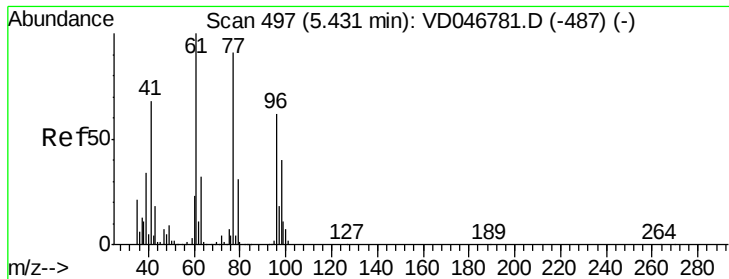
Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 41522 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 72        | 16.1  | 13.4  | 20.0  |





#27

2,2-Dichloropropane

Concen: 19.53 ug/l

RT: 5.44 min Scan# 498

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA\_D

ClientSampleId :

VD0918SBS01

Tgt Ion: 77 Resp: 67292

Ion Ratio Lower Upper

77 100

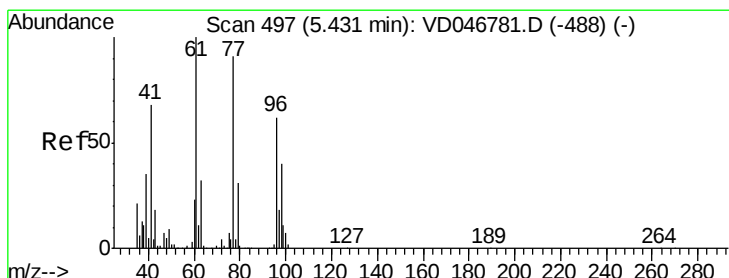
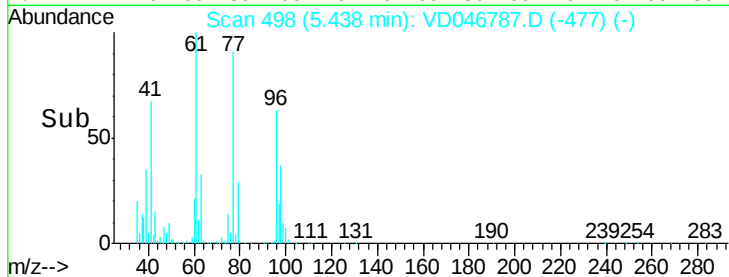
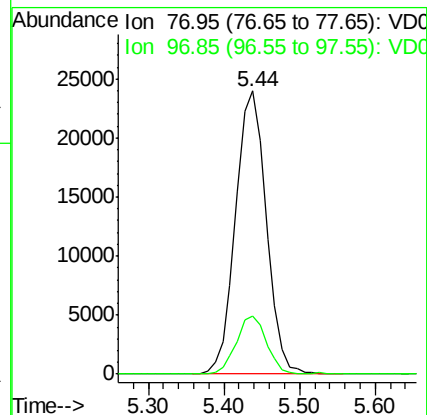
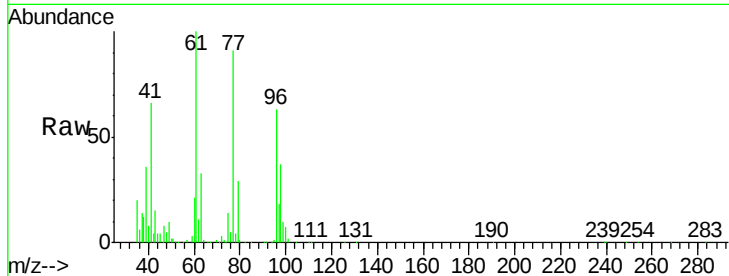
97 20.4 10.4 31.1

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#28

cis-1,2-Dichloroethene

Concen: 21.12 ug/l

RT: 5.44 min Scan# 498

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

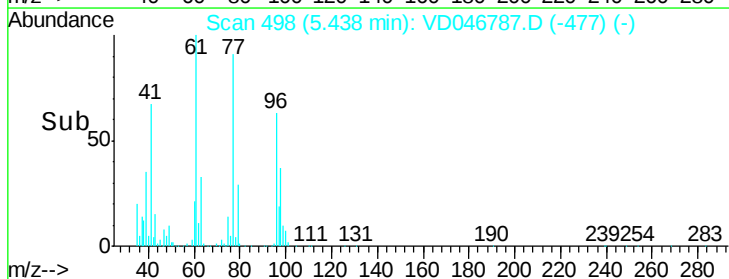
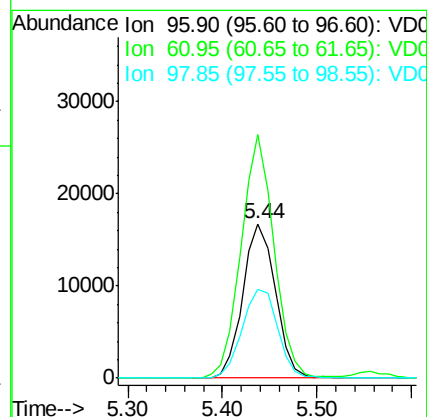
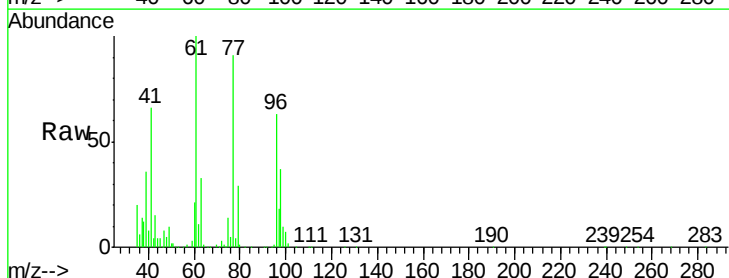
Tgt Ion: 96 Resp: 40054

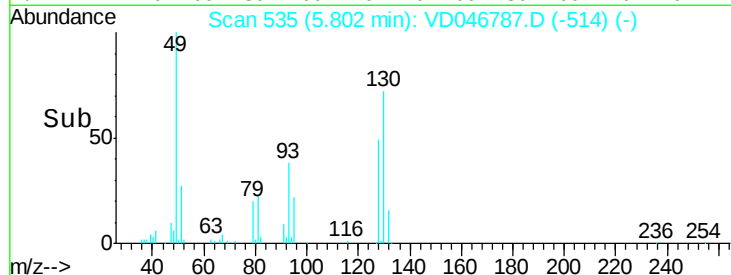
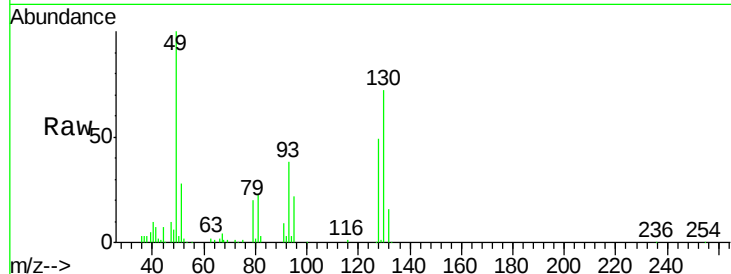
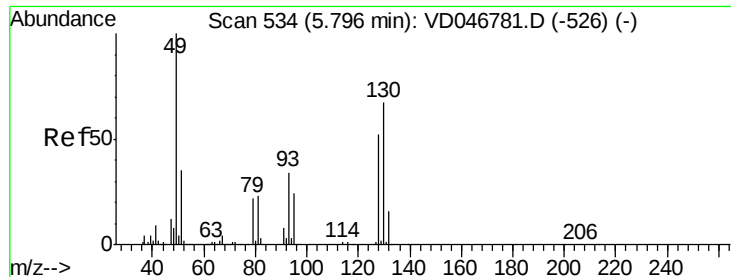
Ion Ratio Lower Upper

96 100

61 158.1 0.0 348.0

98 57.9 0.0 128.8





#29

Bromochloromethane

Concen: 21.11 ug/l

RT: 5.80 min Scan# 535

Delta R.T. 0.01 min

Lab File: VD046787.D

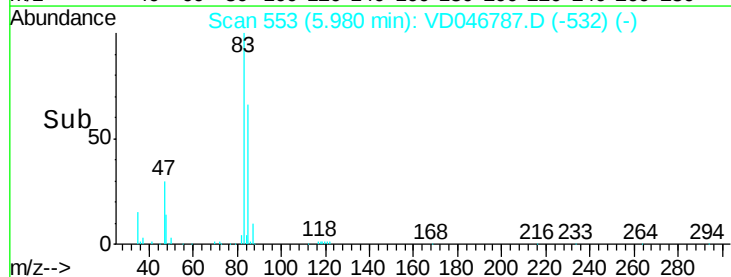
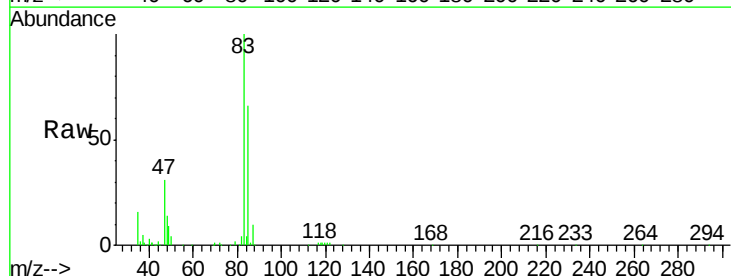
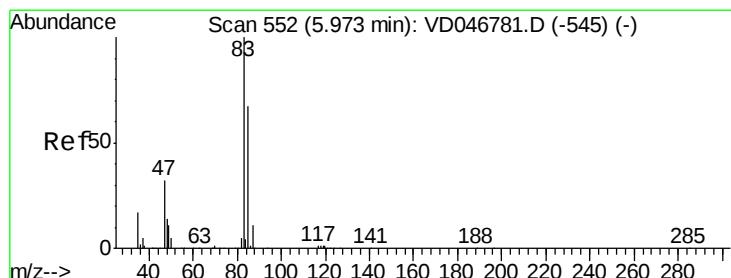
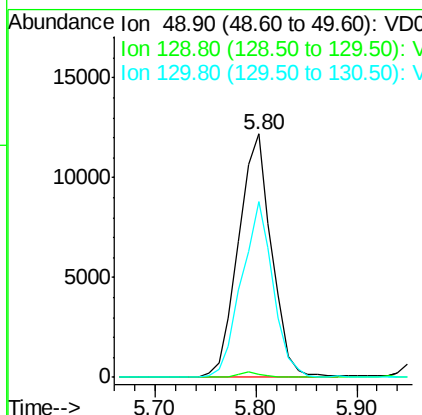
Acq: 18 Sep 2015 17:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 49    | Resp: | 27904 |
| Ion Ratio | Lower | Upper |       |
| 49        | 100   |       |       |
| 129       | 1.4   | 0.0   | 2.8   |
| 130       | 72.2  | 50.2  | 75.4  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0918SBS01

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#30

Chloroform

Concen: 20.33 ug/l

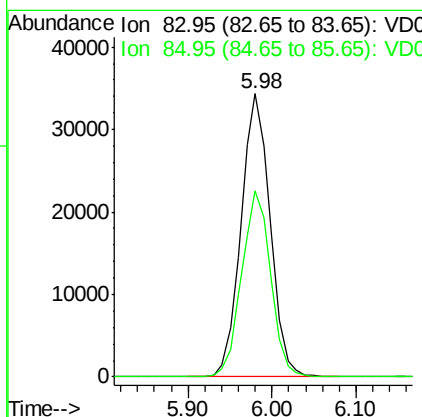
RT: 5.98 min Scan# 553

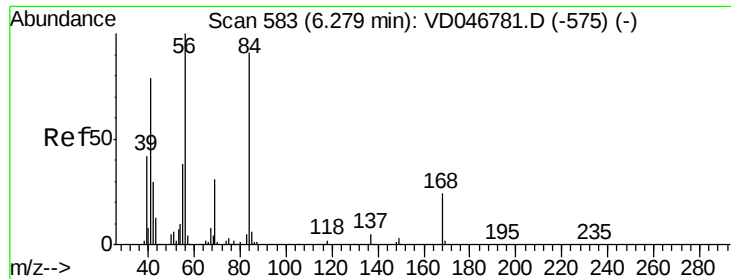
Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 82724 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 65.6  | 52.5  | 78.7  |





#31

Cyclohexane

Concen: 19.88 ug/l

RT: 6.29 min Scan# 584

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA\_D

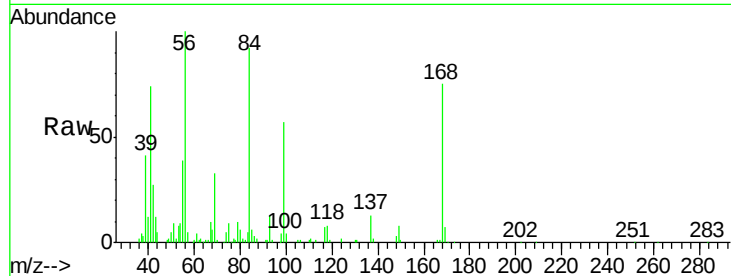
ClientSampleId :

VD0918SBS01

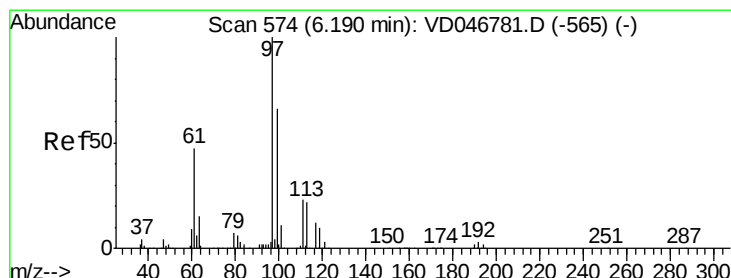
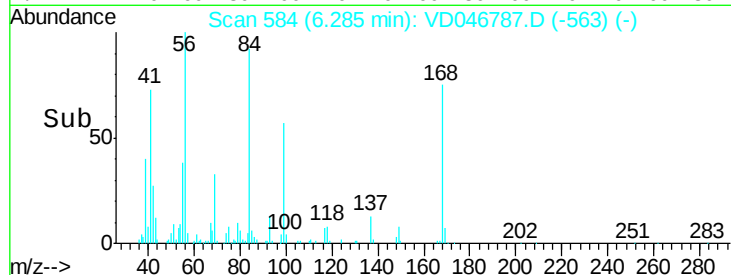
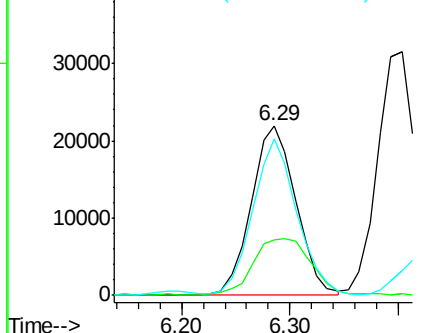
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 56    | Resp: | 62551 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 32.9  | 23.4  | 35.0  |
| 84        | 92.1  | 63.8  | 95.8  |

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Abundance Ion 55.95 (55.65 to 56.65): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 19.86 ug/l

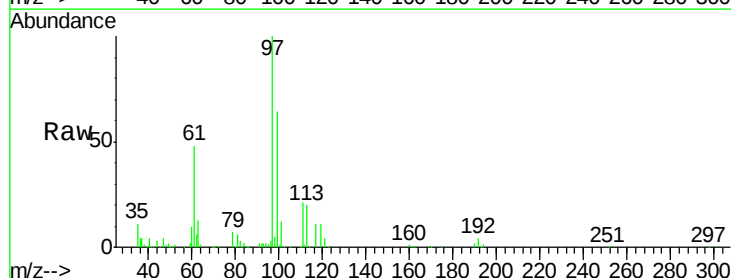
RT: 6.19 min Scan# 574

Delta R.T. -0.00 min

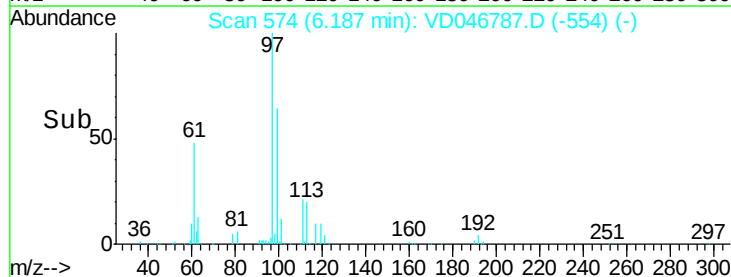
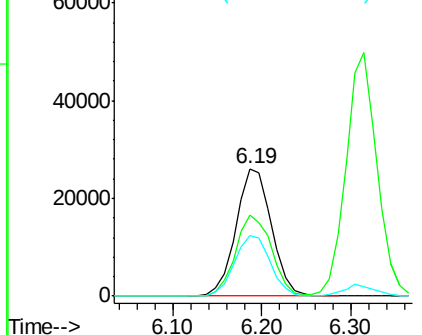
Lab File: VD046787.D

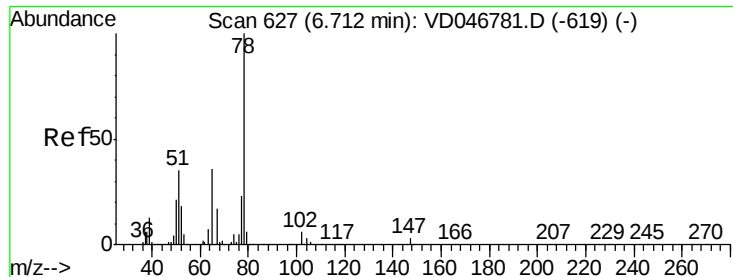
Acq: 18 Sep 2015 17:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 97    | Resp: | 71958 |
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 99        | 63.8  | 50.2  | 75.4  |
| 61        | 47.7  | 38.6  | 57.8  |



Abundance Ion 96.85 (96.55 to 97.55): VDC  
Ion 98.85 (98.55 to 99.55): VDC  
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 19.86 ug/l

RT: 6.72 min Scan# 628

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA\_D

ClientSampleId :

VD0918SBS01

Tgt Ion: 65 Resp: 98629

Ion Ratio Lower Upper

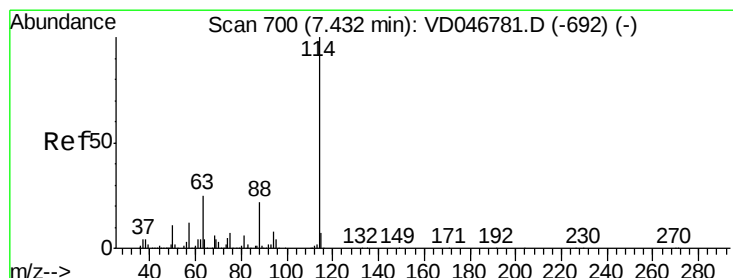
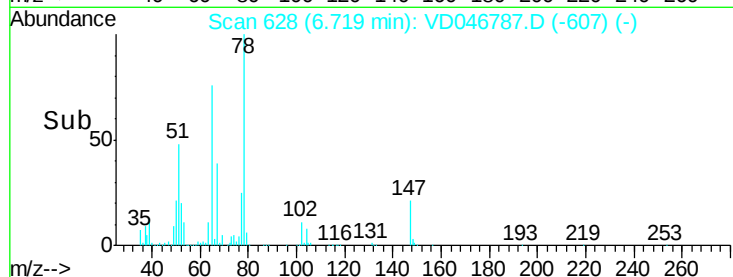
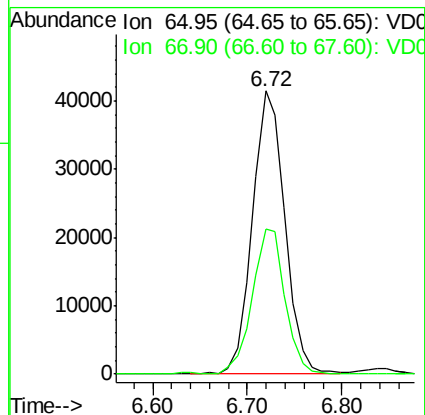
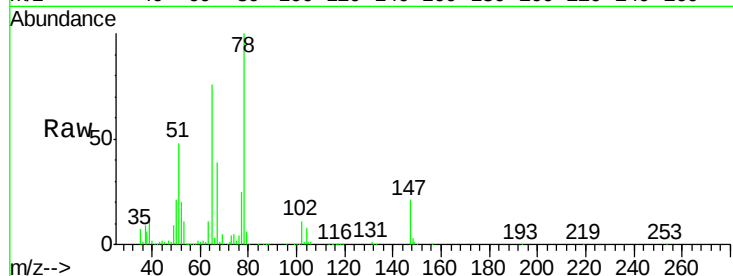
65 100

67 51.3 0.0 105.4

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.44 min Scan# 701

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

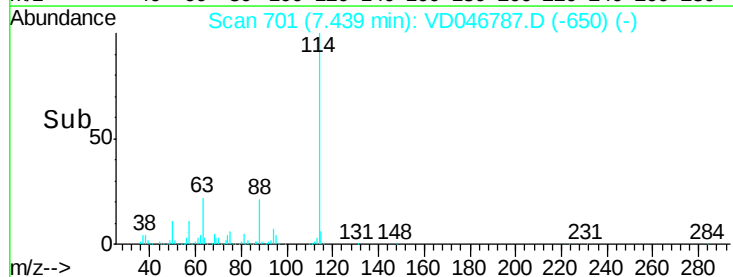
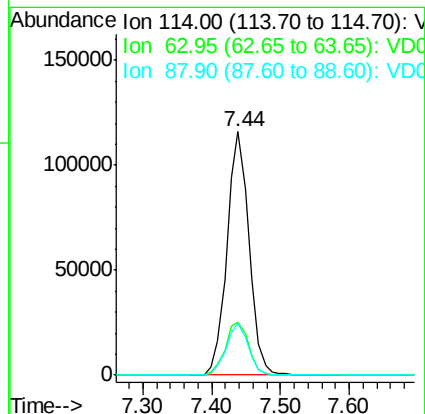
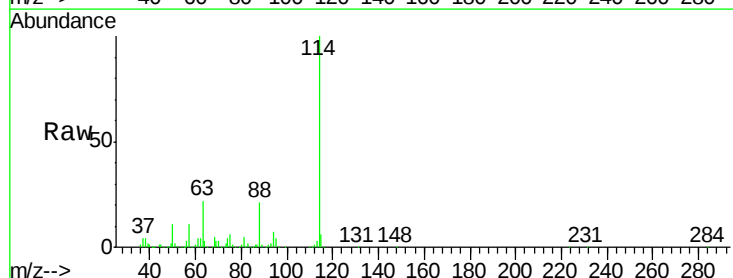
Tgt Ion: 114 Resp: 256663

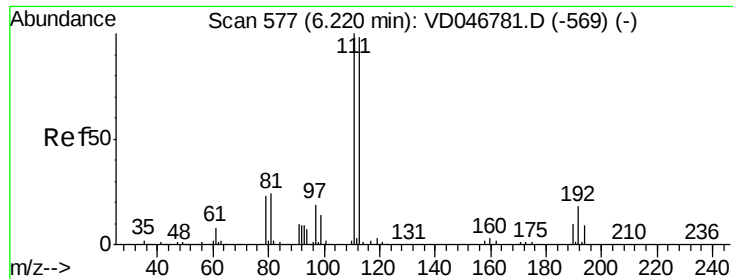
Ion Ratio Lower Upper

114 100

63 21.9 0.0 49.8

88 21.1 0.0 43.6





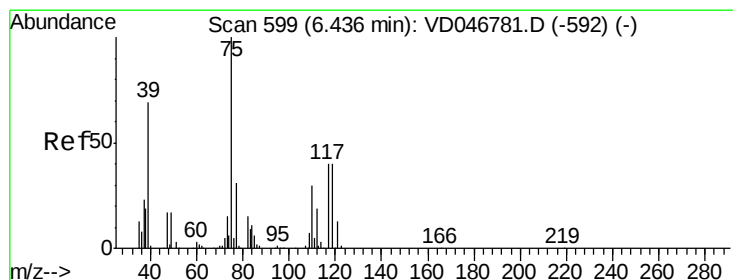
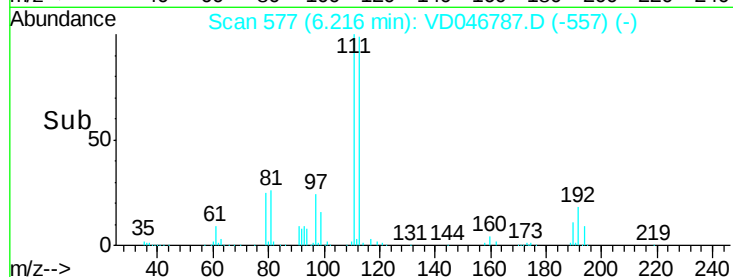
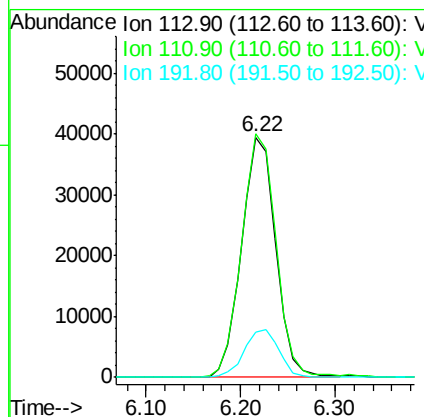
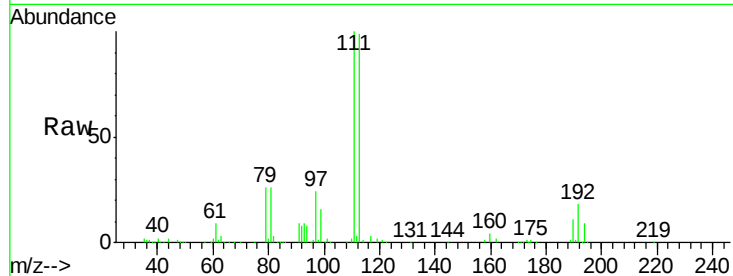
#35  
 Dibromofluoromethane  
 Concen: 50.00 ug/l  
 RT: 6.22 min Scan# 577  
 Delta R.T. -0.00 min  
 Lab File: VD046787.D  
 Acq: 18 Sep 2015 17:27

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0918SBSD01

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   | 98888 |       |       |
| 111     | 101.5 | 79.4  | 119.0 |       |
| 192     | 18.6  | 14.6  | 22.0  |       |

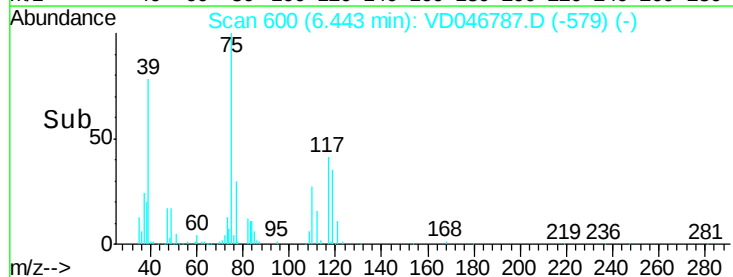
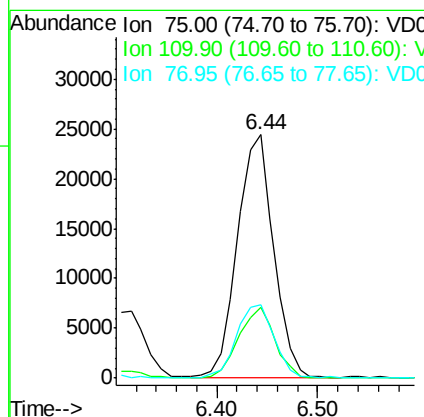
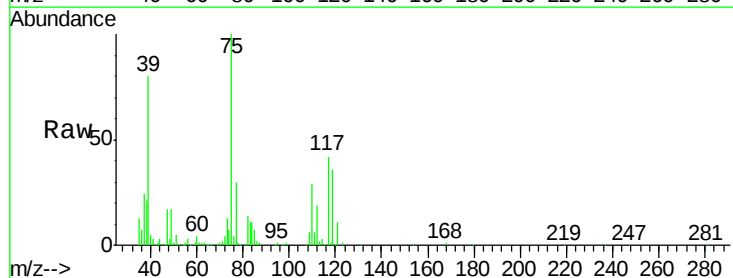
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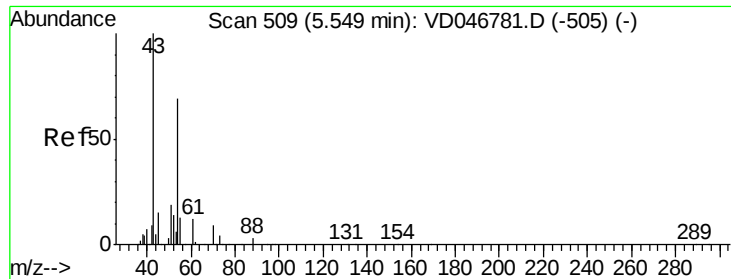
MMDadoda  
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#36  
 1,1-Dichloropropene  
 Concen: 20.24 ug/l  
 RT: 6.44 min Scan# 600  
 Delta R.T. 0.01 min  
 Lab File: VD046787.D  
 Acq: 18 Sep 2015 17:27

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 60708 |       |       |
| 110     | 28.9  | 13.7  | 41.0  |       |
| 77      | 30.2  | 24.7  | 37.1  |       |





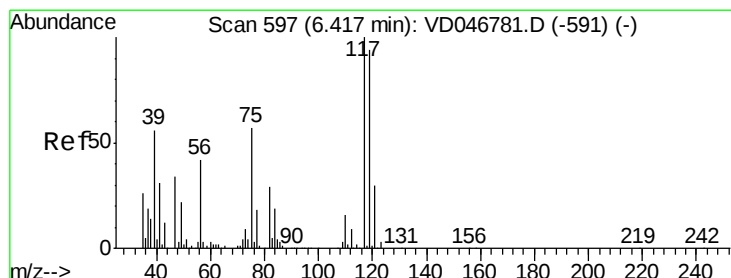
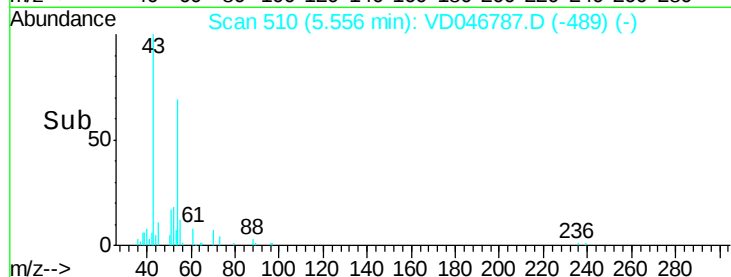
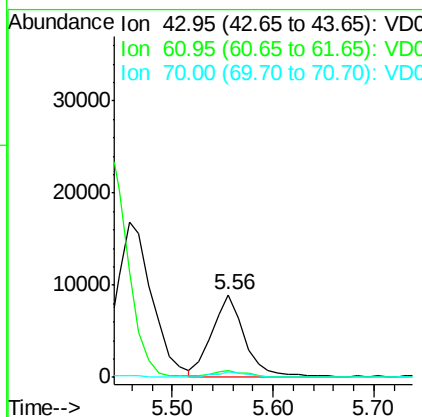
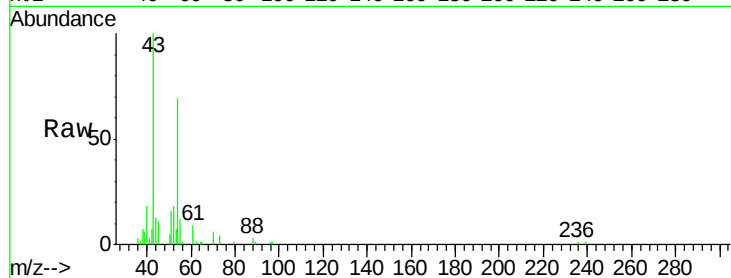
#37  
Ethyl Acetate  
Concen: 21.33 ug/l  
RT: 5.56 min Scan# 510  
Delta R.T. 0.01 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0918SBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 8.6   | 9.4   | 14.2# |
| 70      | 6.5   | 6.0   | 9.0   |

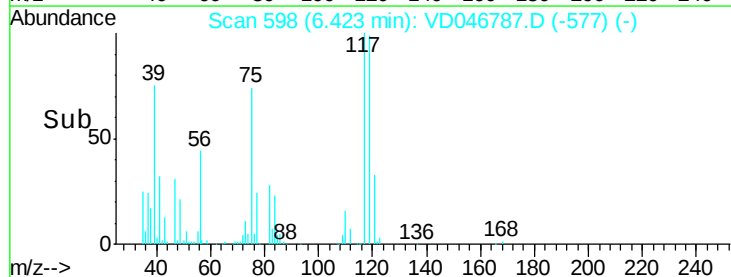
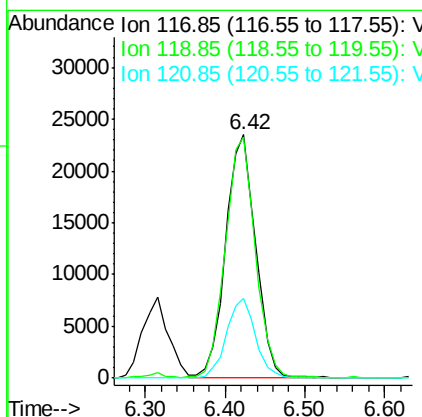
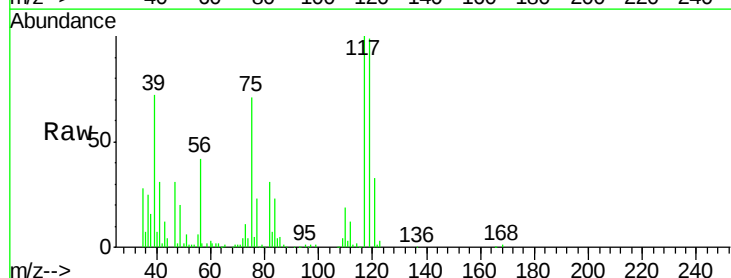
Manual Integrations  
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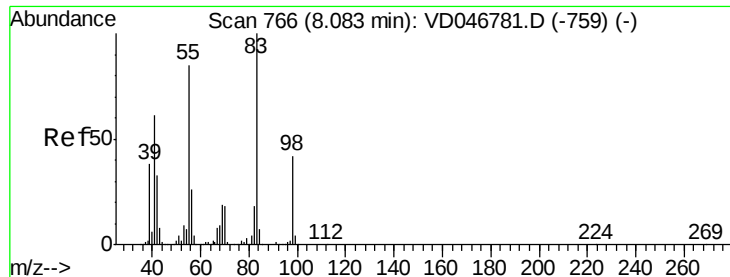
MMDadoda  
9/21/2015 11:39:18 AM



#38  
Carbon Tetrachloride  
Concen: 20.00 ug/l  
RT: 6.42 min Scan# 598  
Delta R.T. 0.01 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 99.1  | 76.2  | 114.4 |
| 121     | 32.9  | 24.5  | 36.7  |





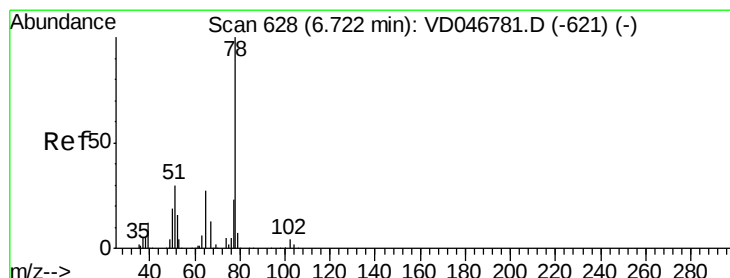
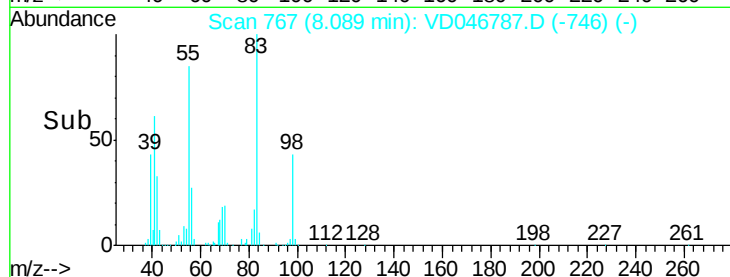
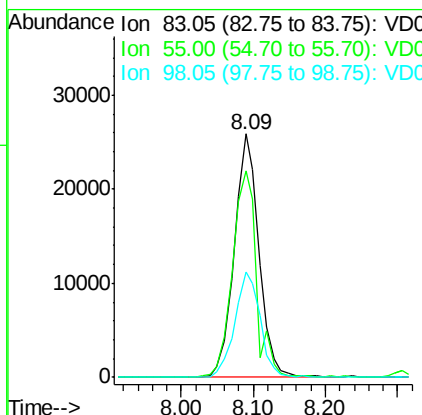
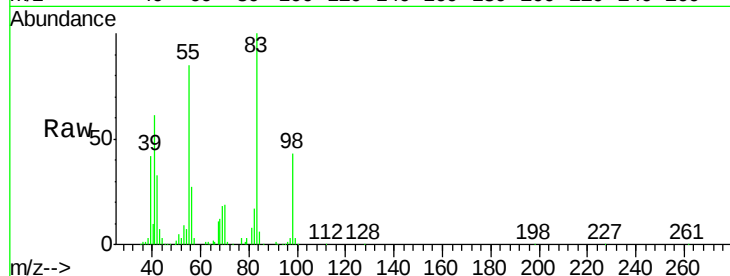
#39  
Methylcyclohexane  
Concen: 20.22 ug/l  
RT: 8.09 min Scan# 767  
Delta R.T. 0.01 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0918SBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 84.6  | 71.1  | 106.7 |
| 98      | 43.3  | 34.6  | 51.8  |

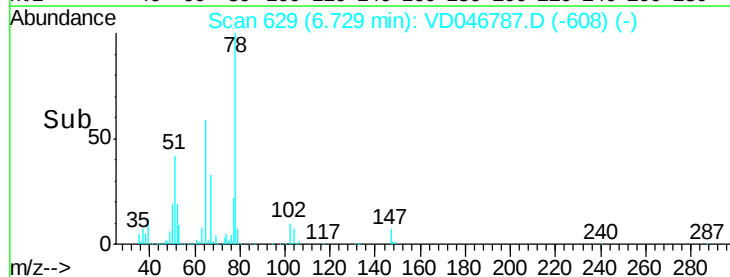
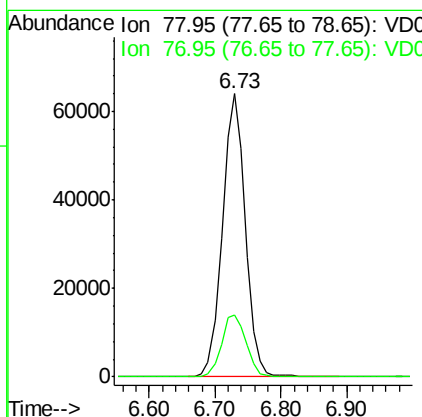
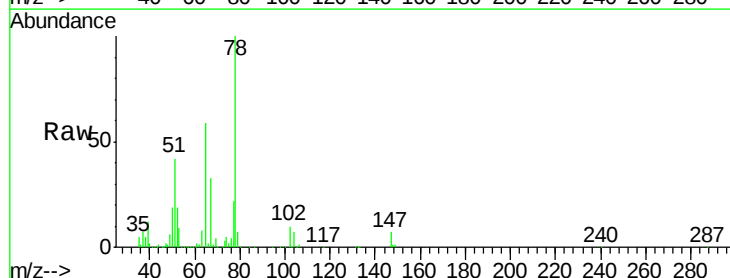
Manual Integrations  
APPROVED

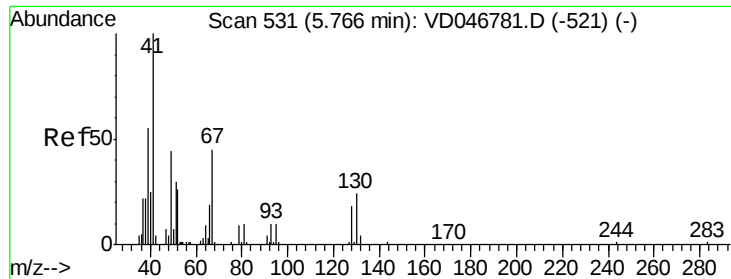
MMDadoda  
9/21/2015 11:39:18 AM



#40  
Benzene  
Concen: 20.23 ug/l  
RT: 6.73 min Scan# 629  
Delta R.T. 0.01 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 21.7  | 19.9  | 29.9  |





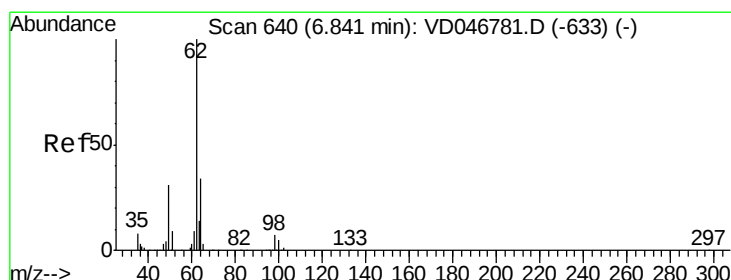
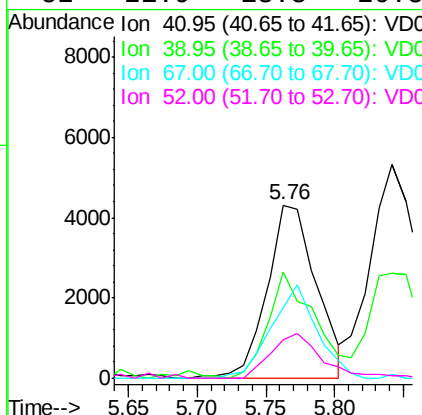
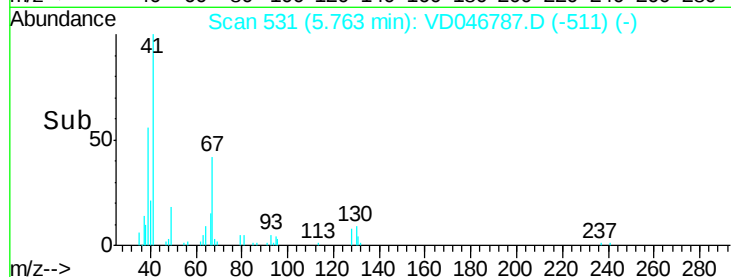
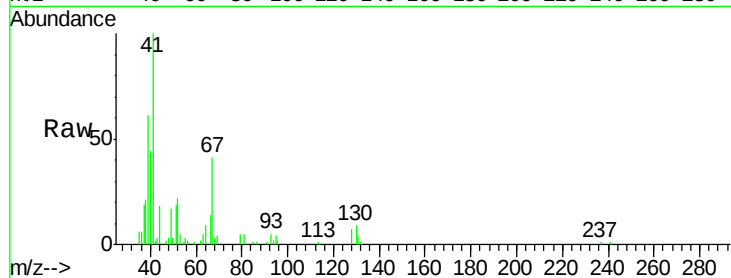
#41  
Methacrylonitrile  
Concen: 19.85 ug/l  
RT: 5.76 min Scan# 531  
Delta R.T. -0.00 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0918SBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 61.1  | 40.2  | 60.4# |
| 67      | 40.6  | 32.0  | 48.0  |
| 52      | 21.9  | 13.8  | 20.8# |

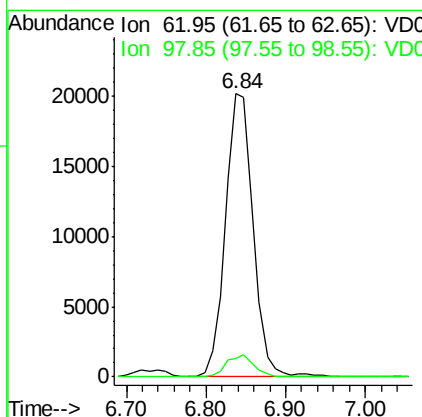
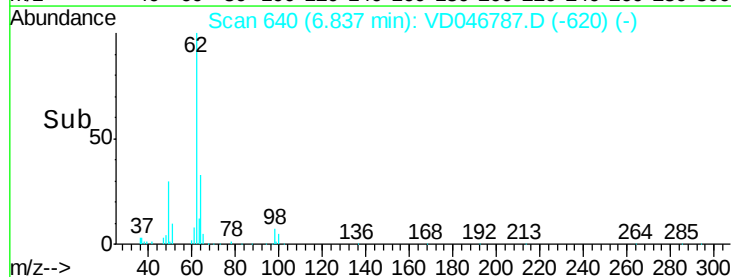
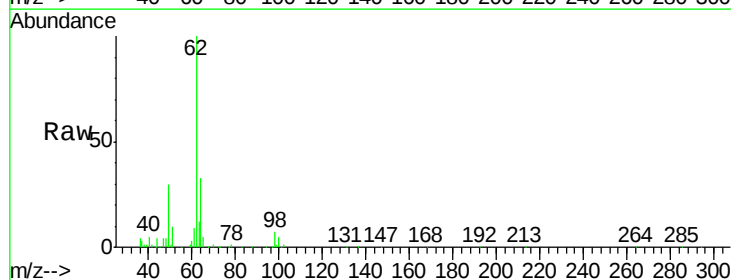
Manual Integrations  
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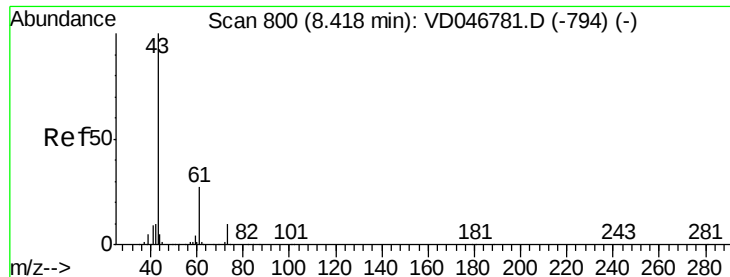
MMDadoda  
9/21/2015 11:39:18 AM



#42  
1,2-Dichloroethane  
Concen: 20.77 ug/l  
RT: 6.84 min Scan# 640  
Delta R.T. -0.00 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 6.7   | 0.0   | 16.2  |





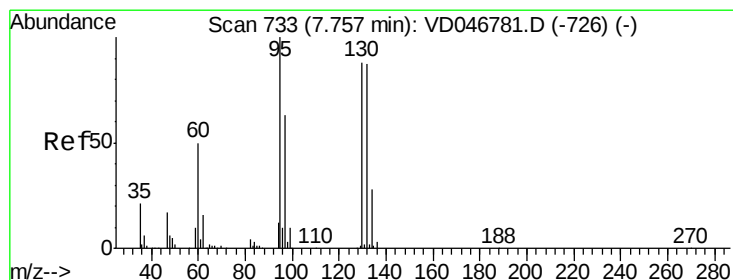
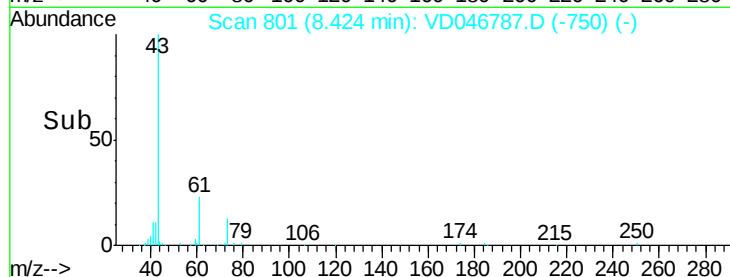
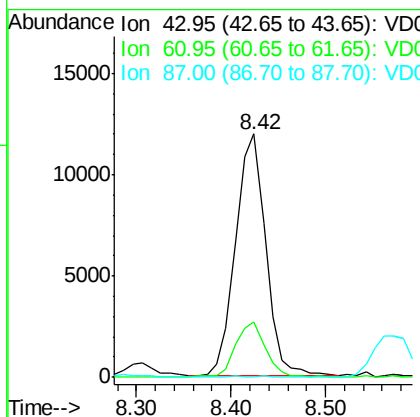
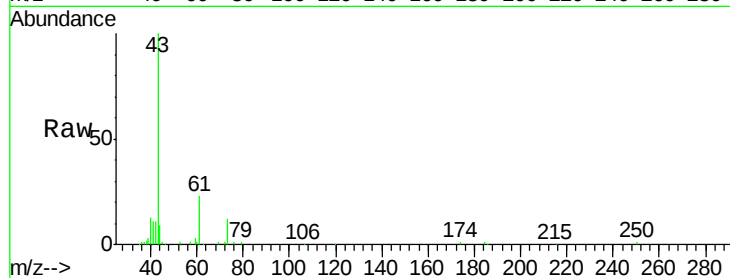
#43  
Isopropyl Acetate  
Concen: 20.94 ug/l  
RT: 8.42 min Scan# 801  
Delta R.T. 0.01 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0918SBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 22.9  | 19.5  | 29.3  |
| 87      | 0.0   | 0.2   | 0.2   |

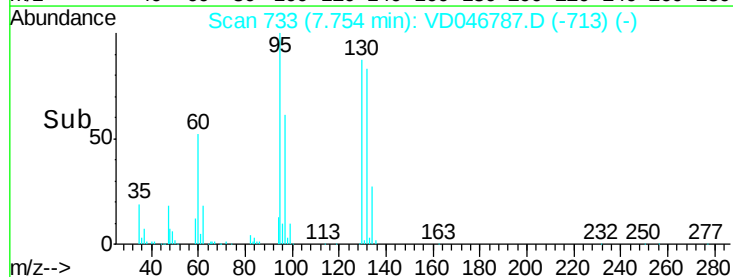
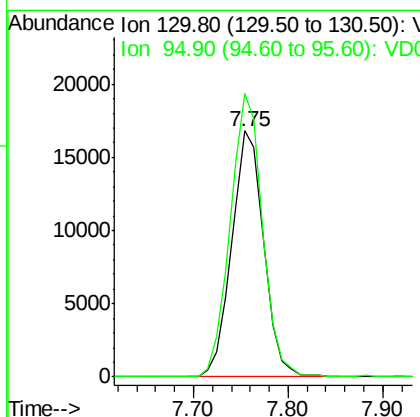
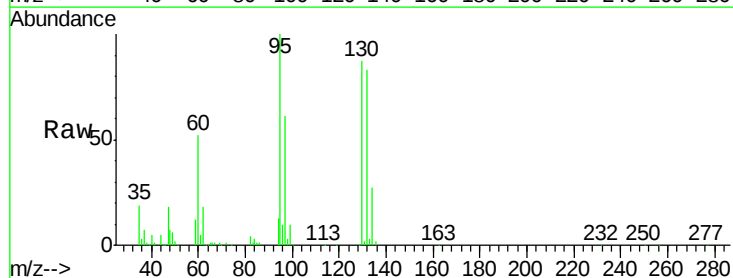
Manual Integrations  
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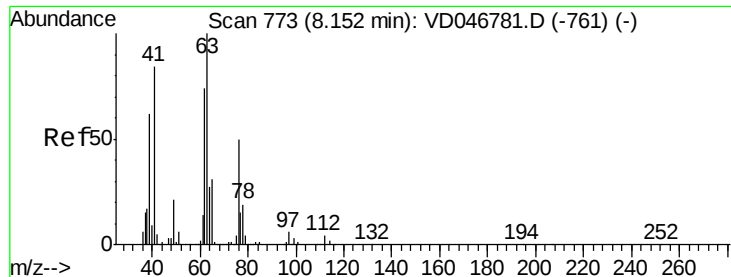
MMDadoda  
9/21/2015 11:39:18 AM



#44  
Trichloroethene  
Concen: 20.47 ug/l  
RT: 7.75 min Scan# 733  
Delta R.T. -0.00 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 115.2 | 0.0   | 229.4 |





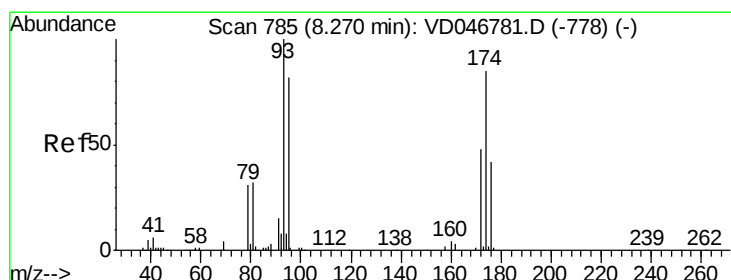
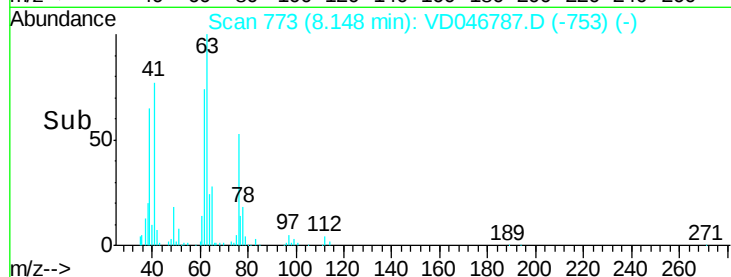
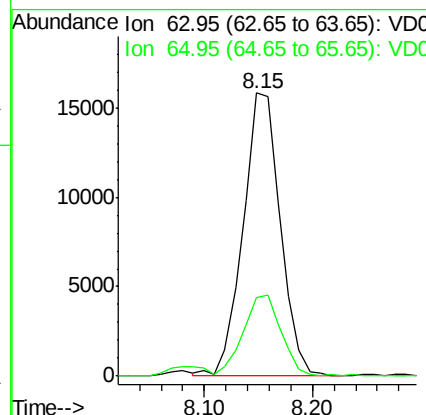
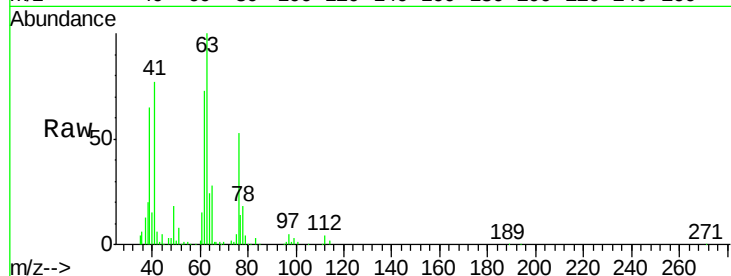
#45  
 1,2-Dichloropropane  
 Concen: 20.00 ug/l  
 RT: 8.15 min Scan# 773  
 Delta R.T. -0.00 min  
 Lab File: VD046787.D  
 Acq: 18 Sep 2015 17:27

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0918SBS01

Tgt Ion: 63 Resp: 37944  
 Ion Ratio Lower Upper  
 63 100  
 65 27.8 25.1 37.7

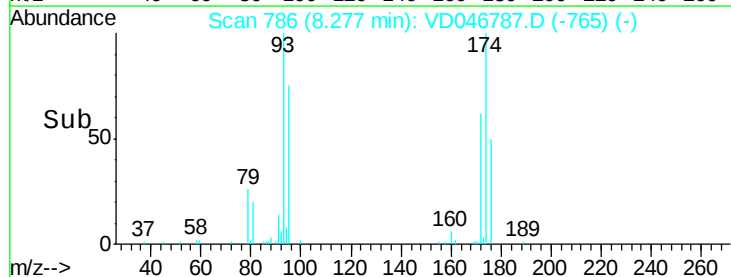
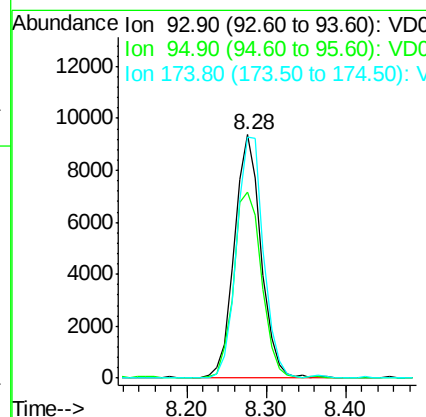
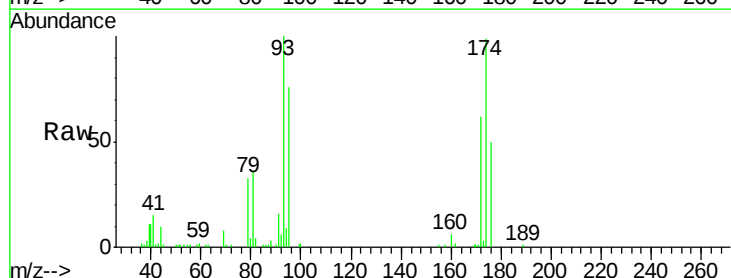
Manual Integrations  
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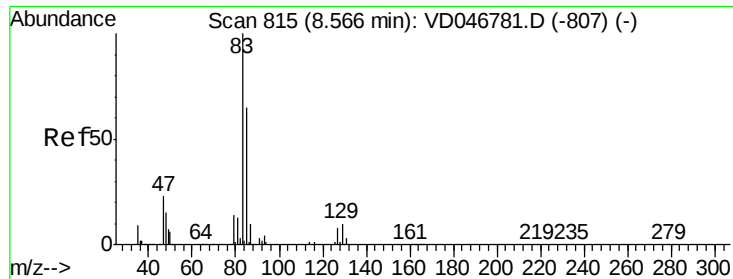
MMDadoda  
 9/21/2015 11:39:18 AM



#46  
 Dibromomethane  
 Concen: 20.48 ug/l  
 RT: 8.28 min Scan# 786  
 Delta R.T. 0.01 min  
 Lab File: VD046787.D  
 Acq: 18 Sep 2015 17:27

Tgt Ion: 93 Resp: 22061  
 Ion Ratio Lower Upper  
 93 100  
 95 76.3 70.2 105.2  
 174 99.1 79.0 118.4





#47

Bromodichloromethane

Concen: 20.68 ug/l

RT: 8.57 min Scan# 816

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA\_D

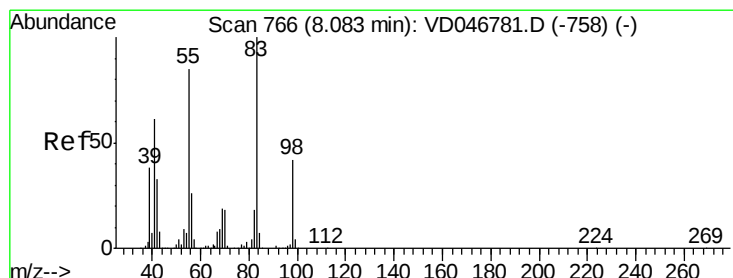
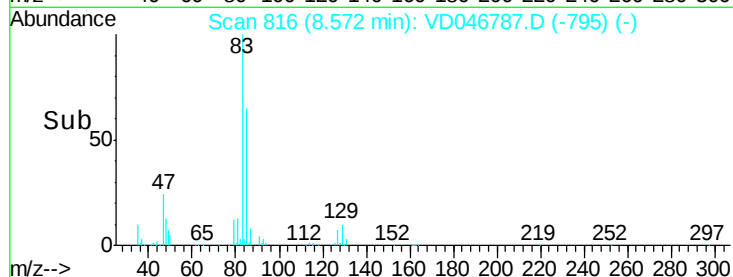
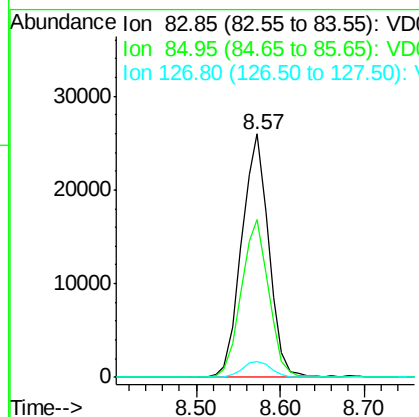
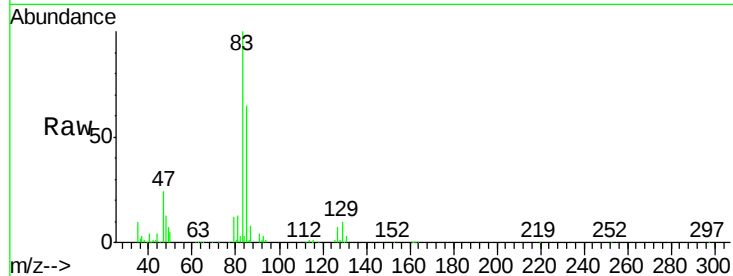
ClientSampleId :

VD0918SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 58454 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.9  | 52.6  | 78.8  |
| 127      | 6.7   | 5.7   | 8.5   |

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#48

Methyl methacrylate

Concen: 20.32 ug/l

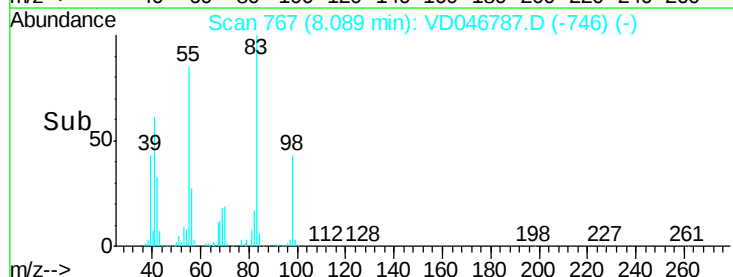
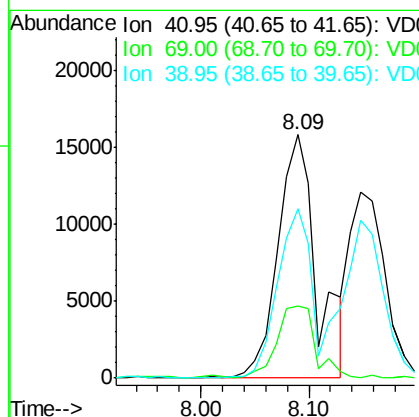
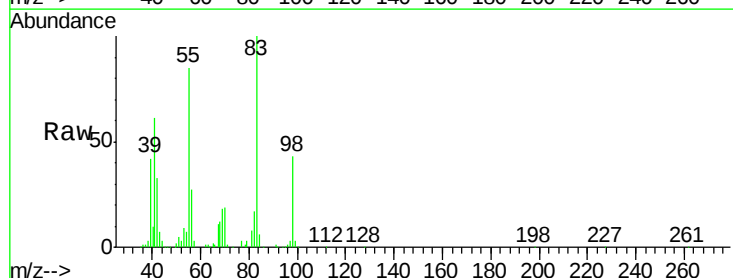
RT: 8.09 min Scan# 767

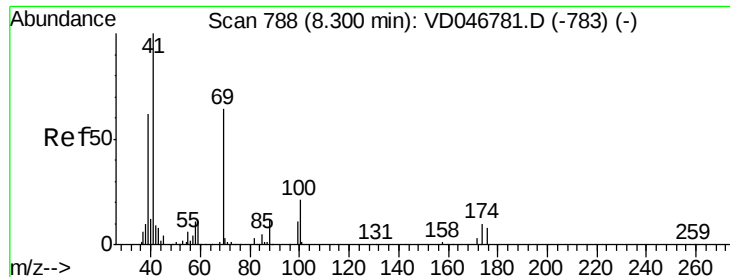
Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 39453 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 29.8  | 25.3  | 37.9  |
| 39       | 69.3  | 47.4  | 71.0  |





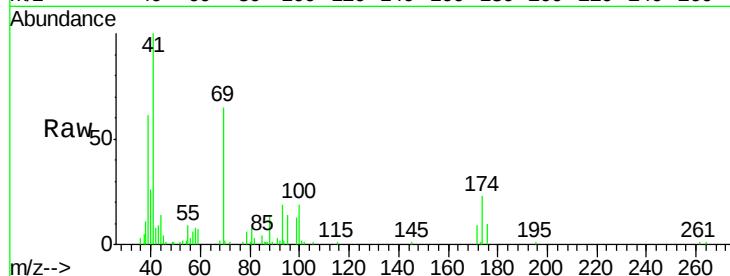
#49  
1,4-Dioxane  
Concen: 411.66 ug/l  
RT: 8.31 min Scan# 789  
Delta R.T. 0.01 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0918SBS01

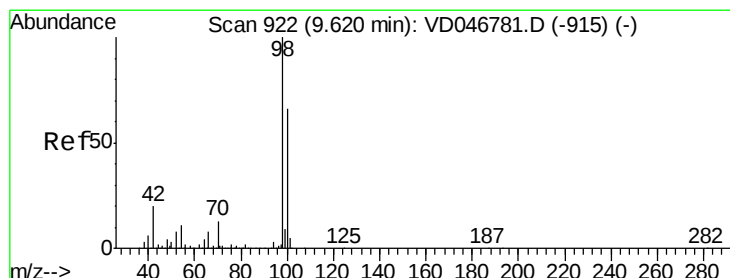
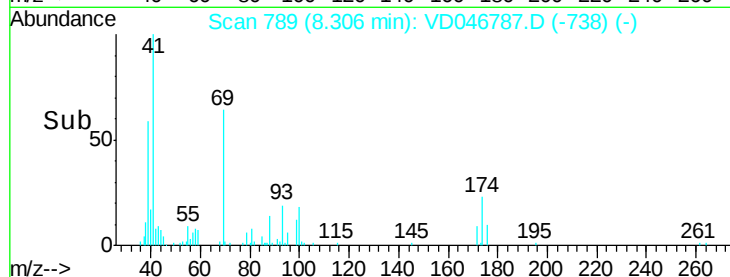
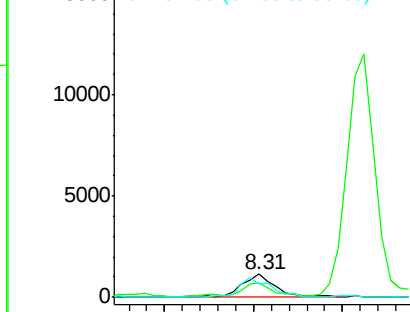
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 62.5  | 50.0  | 75.0  |
| 58      | 58.7  | 48.3  | 72.5  |

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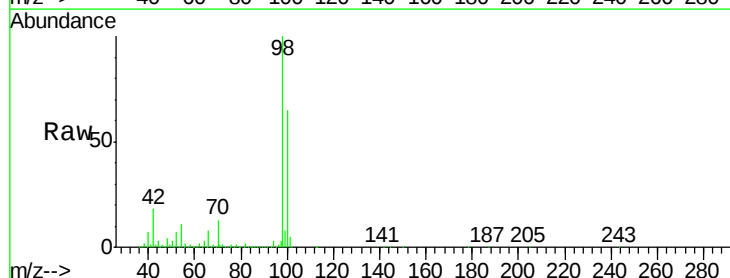


Abundance Ion 88.00 (87.70 to 88.70): VDC  
Ion 43.05 (42.75 to 43.75): VDC  
Ion 57.95 (57.65 to 58.65): VDC

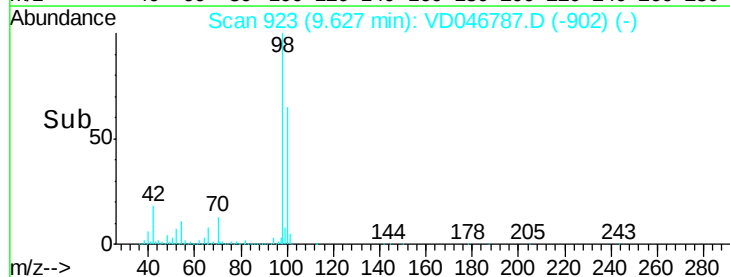
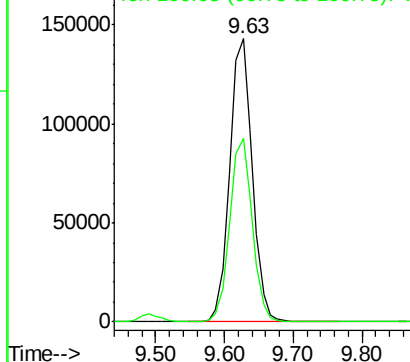


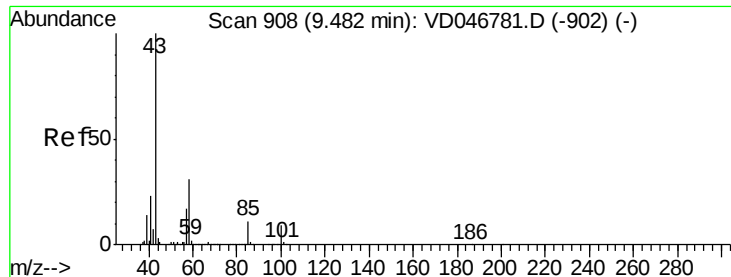
#50  
Toluene-d8  
Concen: 411.66 ug/l  
RT: 9.63 min Scan# 923  
Delta R.T. 0.01 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.7  | 49.9  | 74.9  |



Abundance Ion 98.05 (97.75 to 98.75): VDC  
Ion 100.05 (99.75 to 100.75): VDC





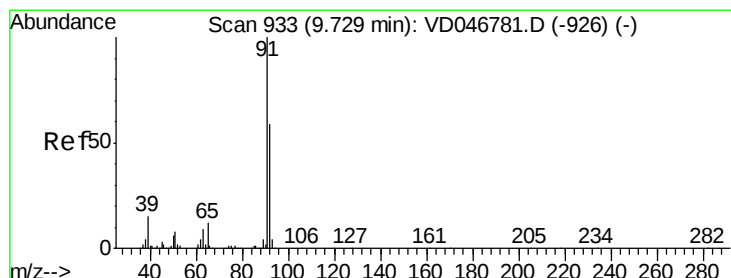
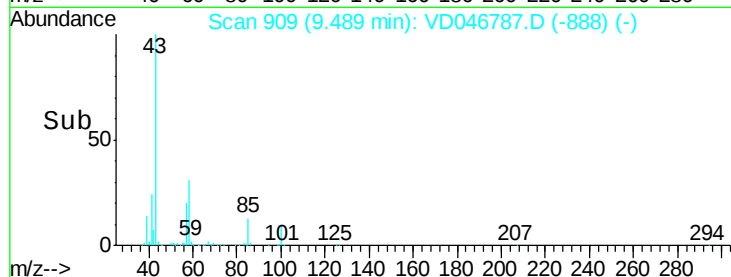
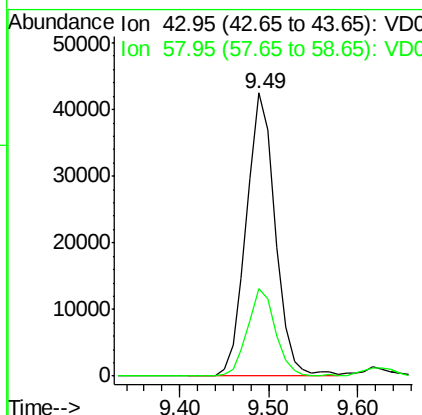
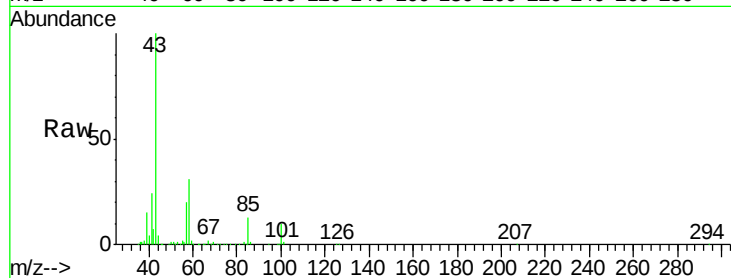
#51  
4-Methyl-2-Pentanone  
Concen: 104.13 ug/l  
RT: 9.49 min Scan# 909  
Delta R.T. 0.01 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0918SBS01

Tgt Ion: 43 Resp: 95559  
Ion Ratio Lower Upper  
43 100  
58 30.7 22.2 33.2

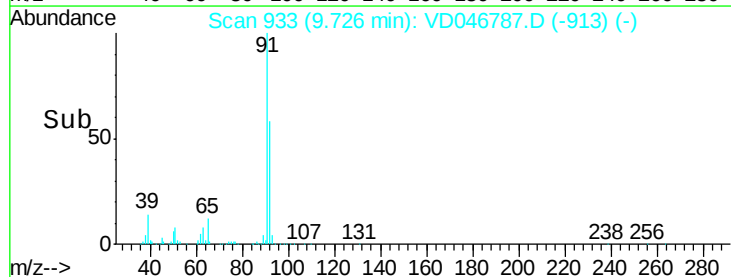
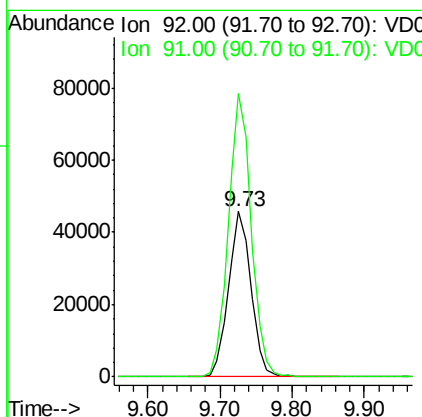
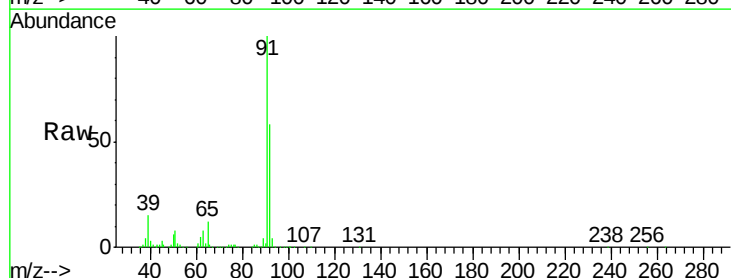
Manual Integrations  
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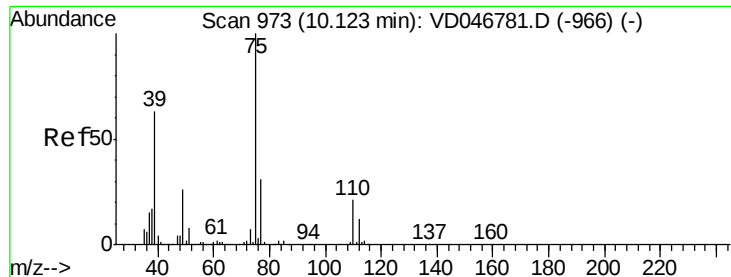
MMDadoda  
9/21/2015 11:39:18 AM



#52  
Toluene  
Concen: 21.19 ug/l  
RT: 9.73 min Scan# 933  
Delta R.T. -0.00 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

Tgt Ion: 92 Resp: 100096  
Ion Ratio Lower Upper  
92 100  
91 171.0 139.4 209.0





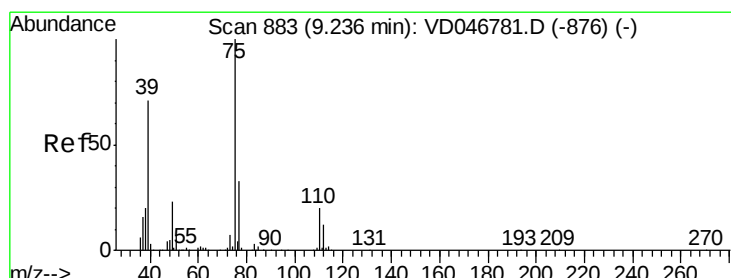
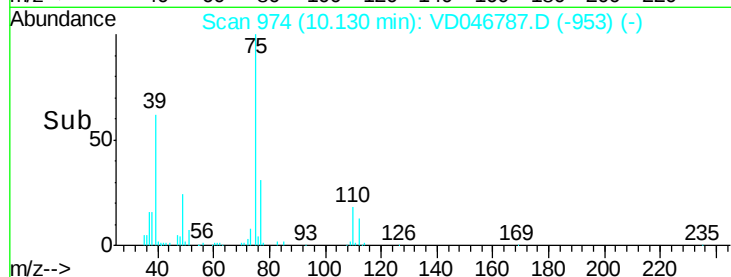
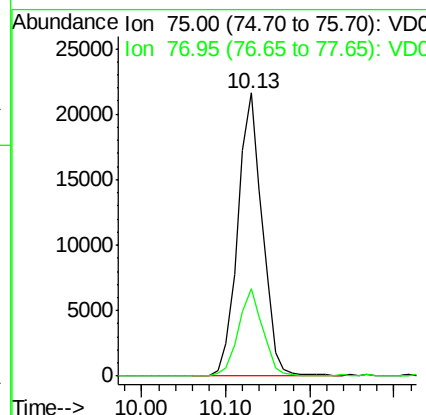
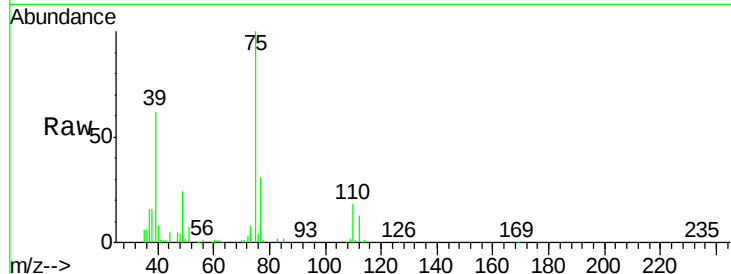
#53  
t-1,3-Dichloropropene  
Concen: 21.01 ug/l  
RT: 10.13 min Scan# 974  
Delta R.T. 0.01 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0918SBSD01

Tgt Ion: 75 Resp: 43851  
Ion Ratio Lower Upper  
75 100  
77 30.9 27.6 41.4

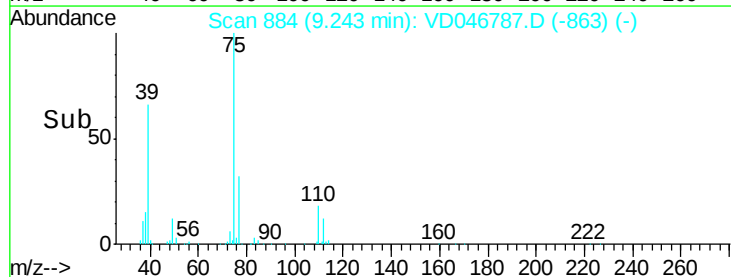
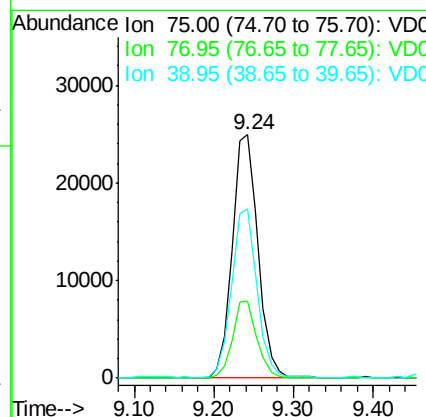
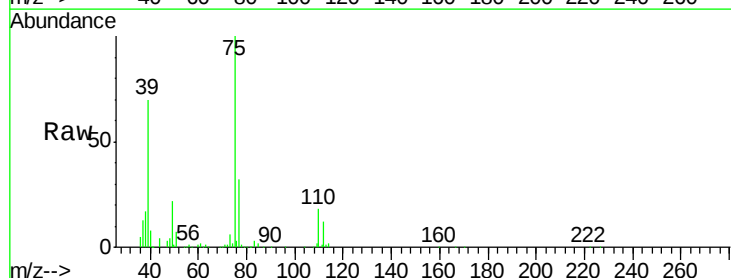
Manual Integrations  
APPROVED

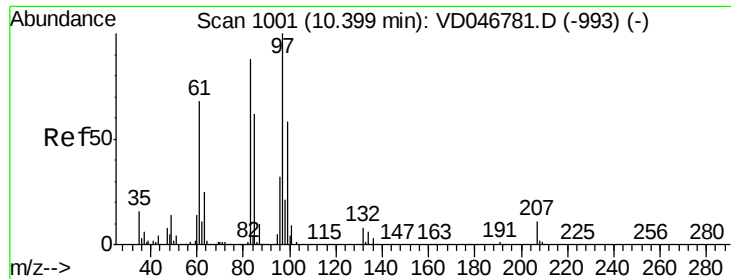
MMDadoda  
9/21/2015 11:39:18 AM



#54  
cis-1,3-Dichloropropene  
Concen: 21.06 ug/l  
RT: 9.24 min Scan# 884  
Delta R.T. 0.01 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

Tgt Ion: 75 Resp: 56615  
Ion Ratio Lower Upper  
75 100  
77 31.8 23.8 35.6  
39 69.8 53.0 79.6





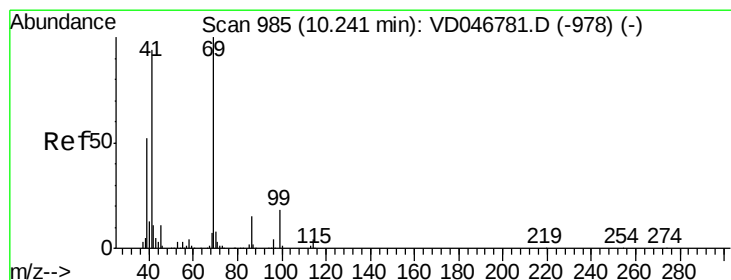
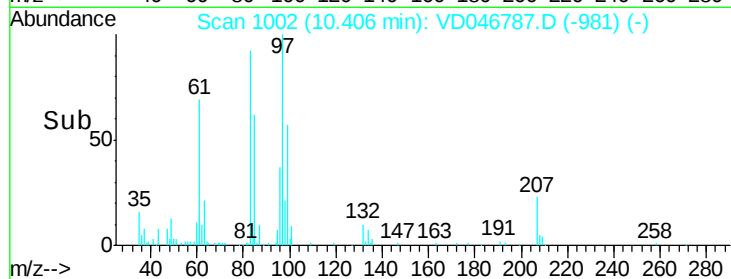
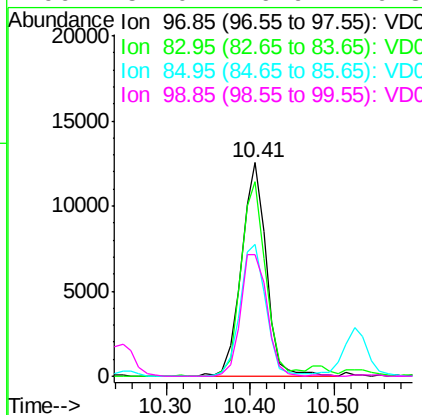
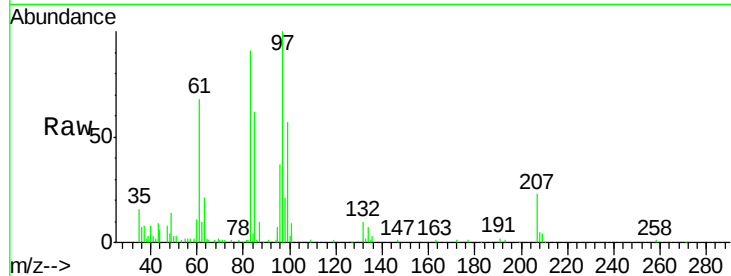
#55  
 1,1,2-Trichloroethane  
 Concen: 21.00 ug/l  
 RT: 10.41 min Scan# 1002  
 Delta R.T. 0.01 min  
 Lab File: VD046787.D  
 Acq: 18 Sep 2015 17:27

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0918SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 25677 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 91.3  | 75.3  | 112.9 |
| 85       | 61.6  | 50.9  | 76.3  |
| 99       | 57.0  | 46.9  | 70.3  |

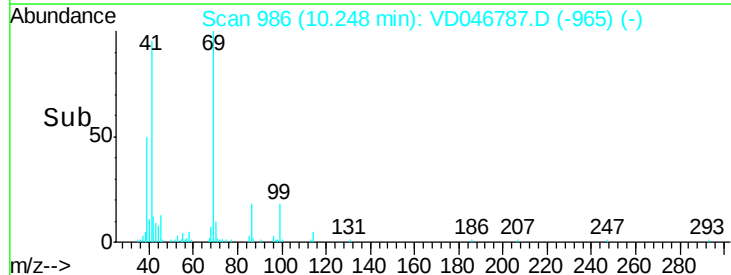
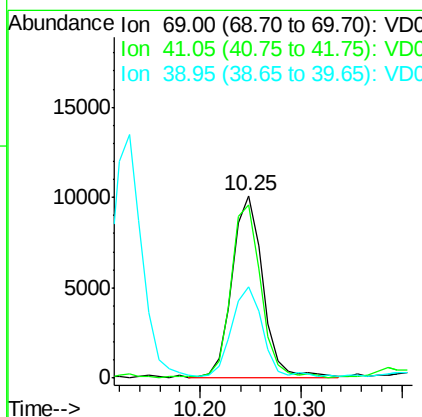
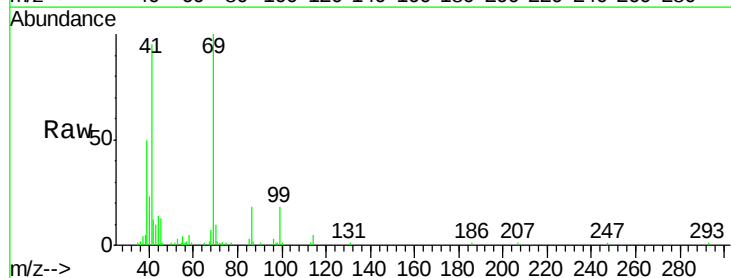
Manual Integrations  
 APPROVED

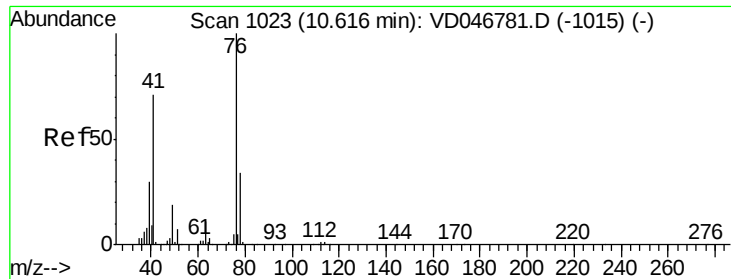
MMDadoda  
 9/21/2015 11:39:18 AM



#56  
 Ethyl methacrylate  
 Concen: 19.22 ug/l  
 RT: 10.25 min Scan# 986  
 Delta R.T. 0.01 min  
 Lab File: VD046787.D  
 Acq: 18 Sep 2015 17:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 21106 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 94.9  | 75.4  | 113.0 |
| 39       | 50.3  | 41.0  | 61.4  |





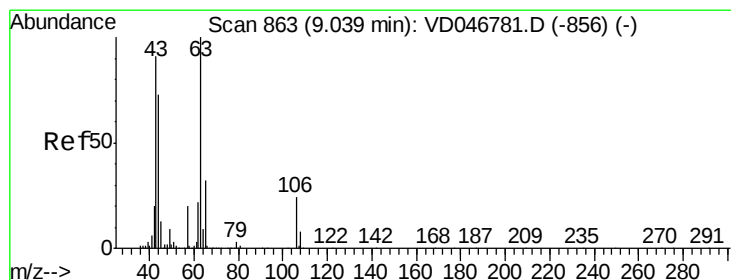
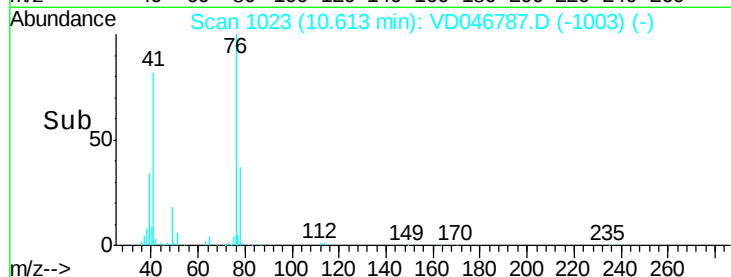
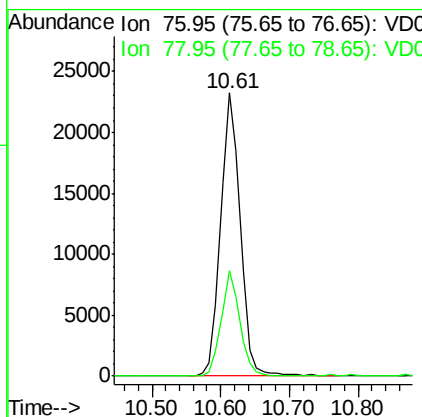
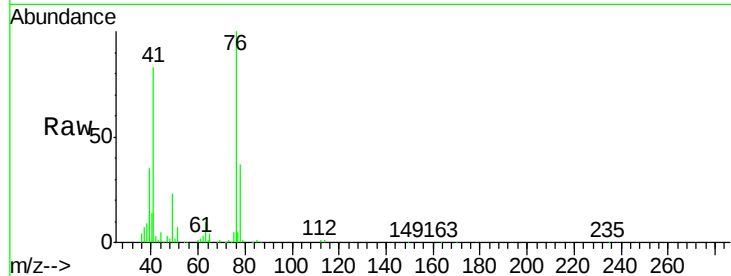
#57  
 1,3-Dichloropropane  
 Concen: 20.18 ug/l  
 RT: 10.61 min Scan# 1023  
 Delta R.T. -0.00 min  
 Lab File: VD046787.D  
 Acq: 18 Sep 2015 17:27

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0918SBSD01

Tgt Ion: 76 Resp: 45893  
 Ion Ratio Lower Upper  
 76 100  
 78 37.4 26.6 39.8

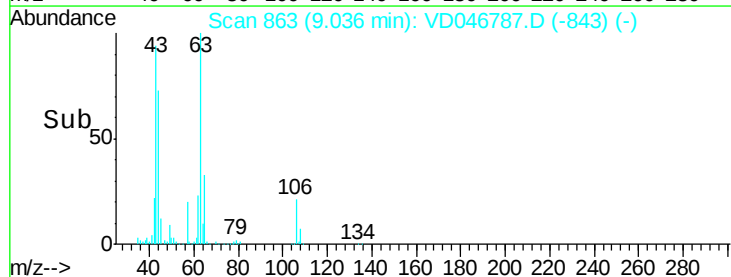
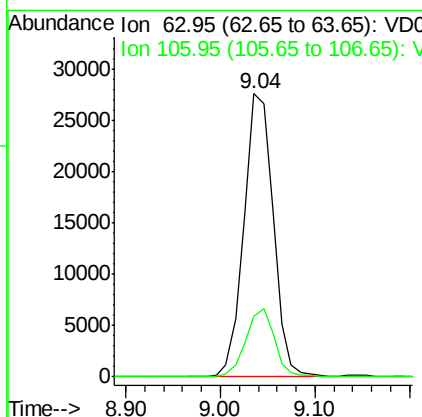
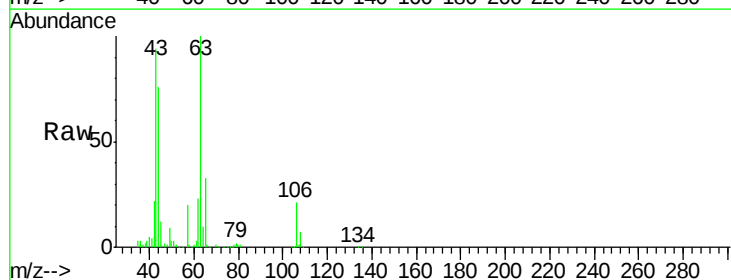
Manual Integrations  
 APPROVED

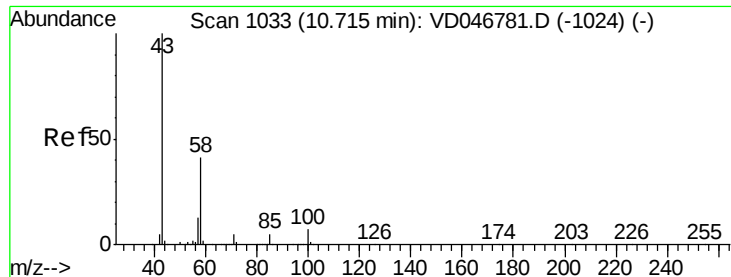
MMDadoda  
 9/21/2015 11:39:18 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 102.47 ug/l  
 RT: 9.04 min Scan# 863  
 Delta R.T. -0.00 min  
 Lab File: VD046787.D  
 Acq: 18 Sep 2015 17:27

Tgt Ion: 63 Resp: 59478  
 Ion Ratio Lower Upper  
 63 100  
 106 21.2 17.8 26.8





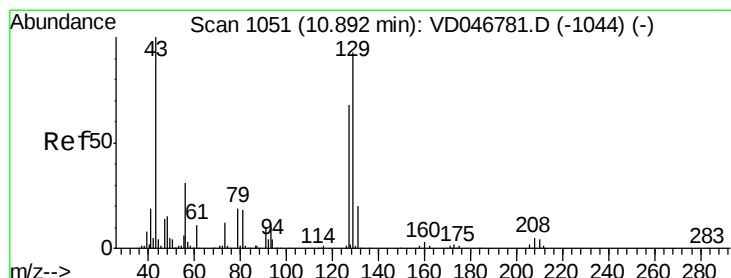
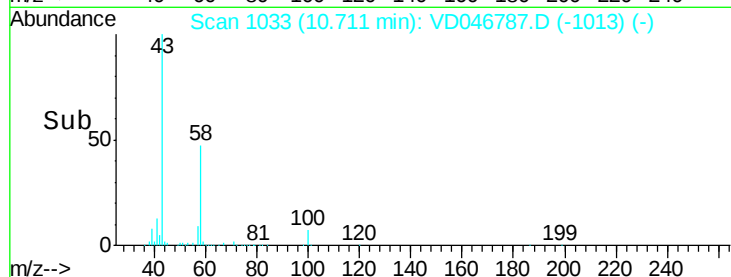
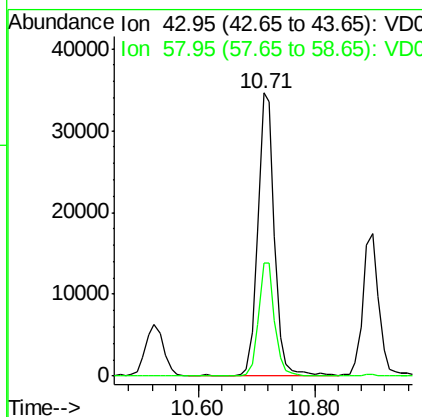
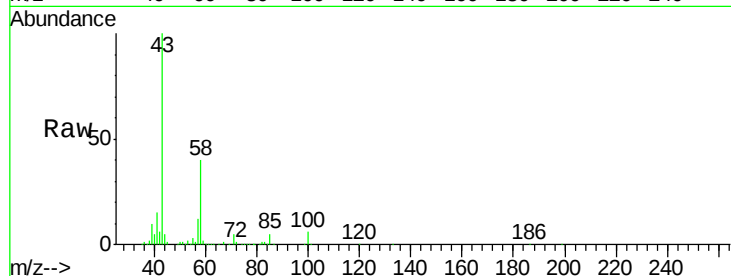
#59  
2-Hexanone  
Concen: 105.52 ug/l  
RT: 10.71 min Scan# 1033  
Delta R.T. -0.00 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0918SBS01

Tgt Ion: 43 Resp: 69965  
Ion Ratio Lower Upper  
43 100  
58 39.9 18.6 55.8

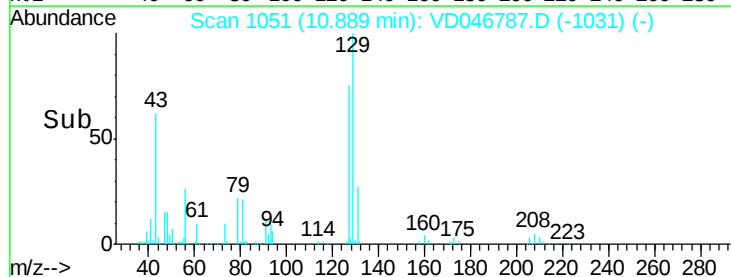
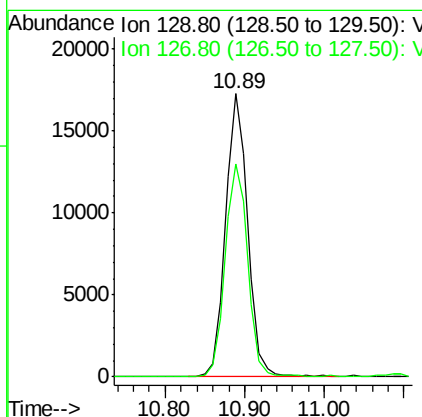
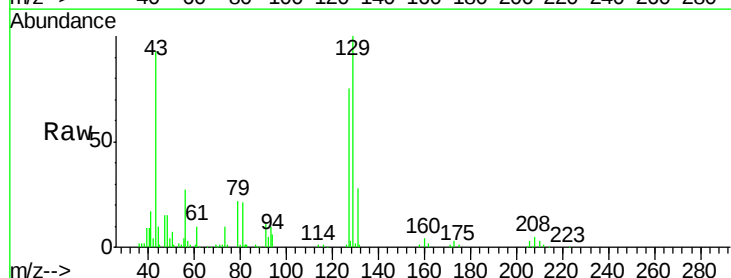
Manual Integrations  
APPROVED

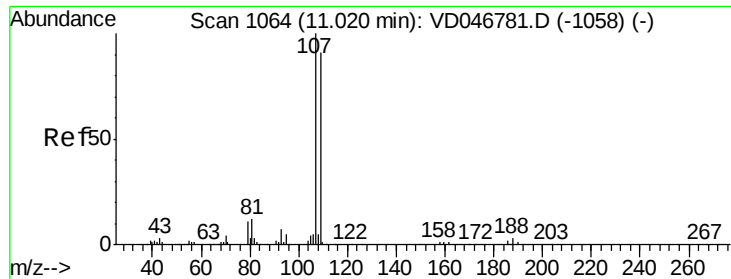
MMDadoda  
9/21/2015 11:39:18 AM



#60  
Dibromochloromethane  
Concen: 20.09 ug/l  
RT: 10.89 min Scan# 1051  
Delta R.T. -0.00 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

Tgt Ion: 129 Resp: 33723  
Ion Ratio Lower Upper  
129 100  
127 75.5 38.2 114.6





#61

1,2-Dibromoethane

Concen: 20.35 ug/l

RT: 11.03 min Scan# 1065

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA\_D

ClientSampleId :

VD0918SBSD01

Tgt Ion: 107 Resp: 24572

Ion Ratio Lower Upper

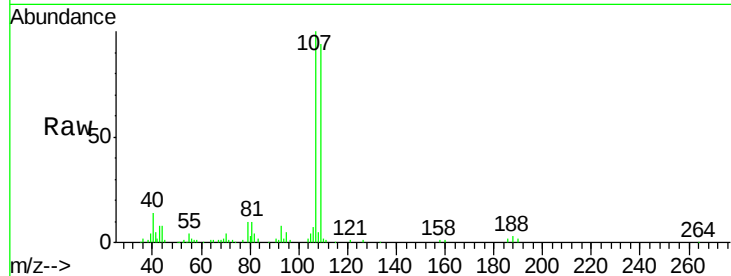
107 100

109 94.2 71.4 107.0

Manual Integrations  
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.03

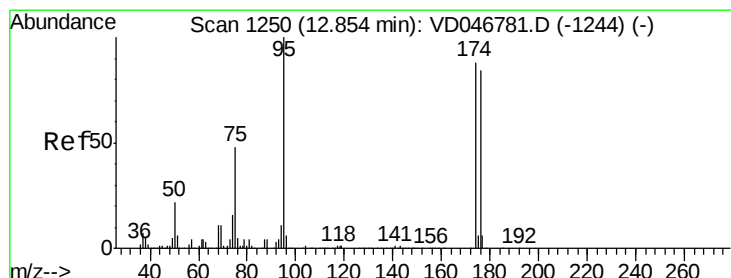
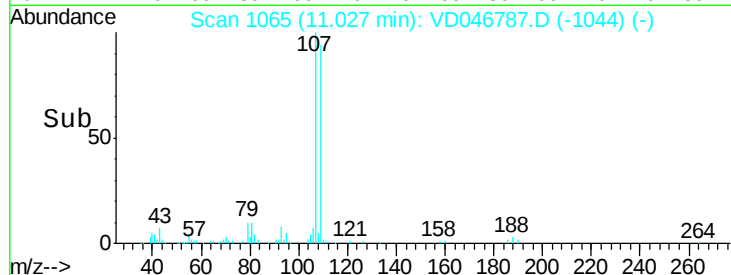
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 20.35 ug/l

RT: 12.85 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

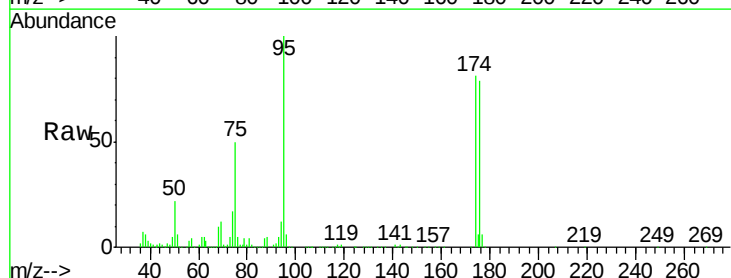
Tgt Ion: 95 Resp: 130637

Ion Ratio Lower Upper

95 100

174 81.0 0.0 149.8

176 78.9 0.0 143.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

12.85

100000

80000

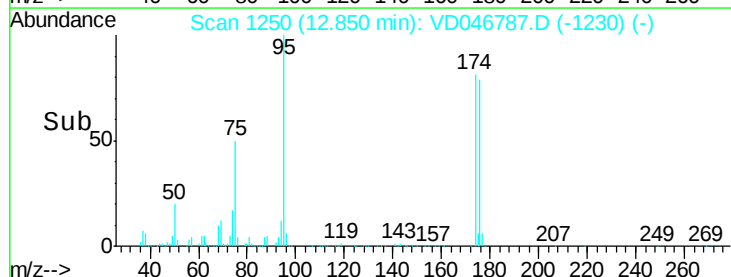
60000

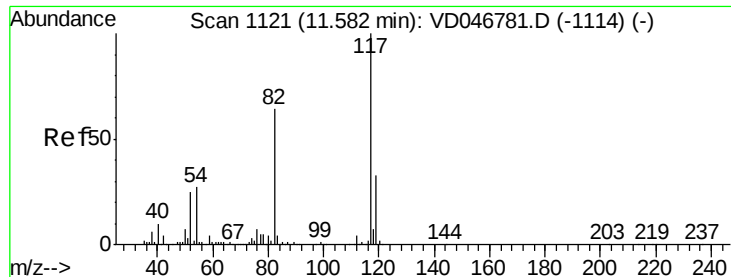
40000

20000

0

Time-->





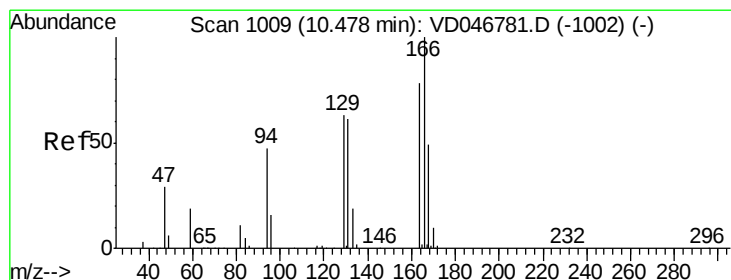
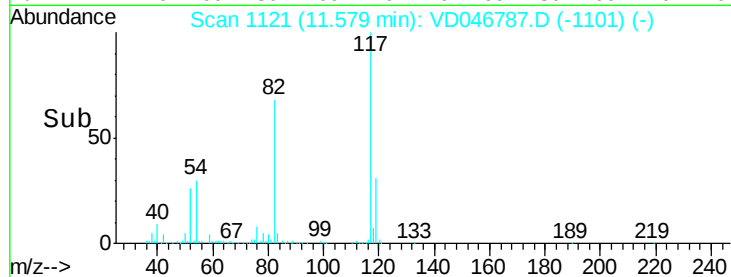
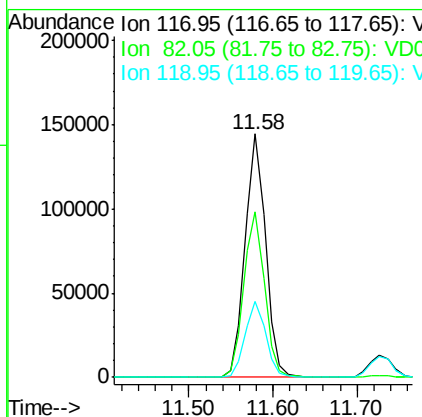
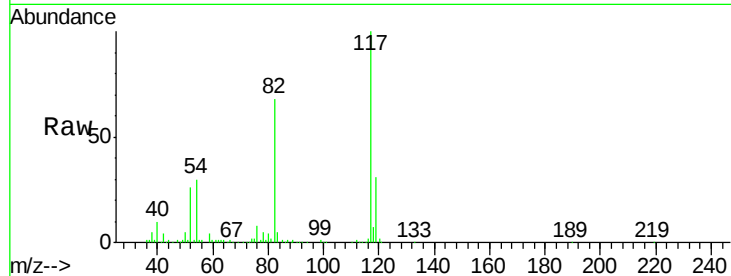
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.58 min Scan# 1121  
Delta R.T. -0.00 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0918SBS01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 247071 |       |       |
| 82      | 67.9  | 50.6   | 75.8  |       |
| 119     | 31.3  | 25.8   | 38.8  |       |

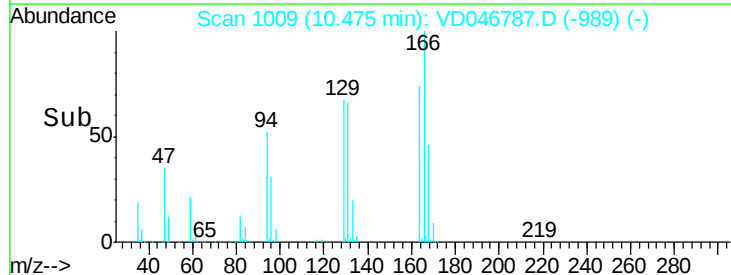
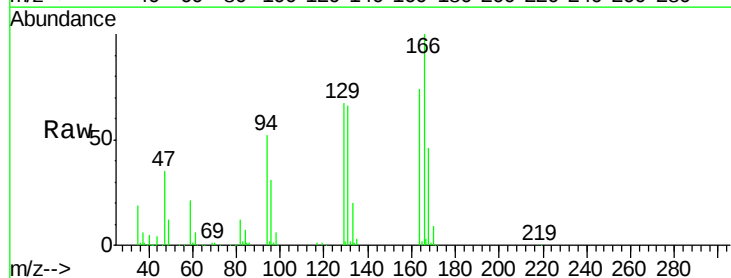
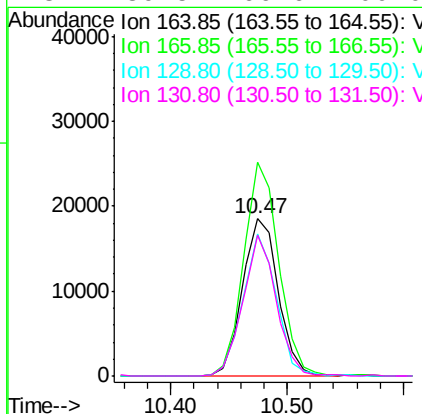
Manual Integrations  
APPROVED

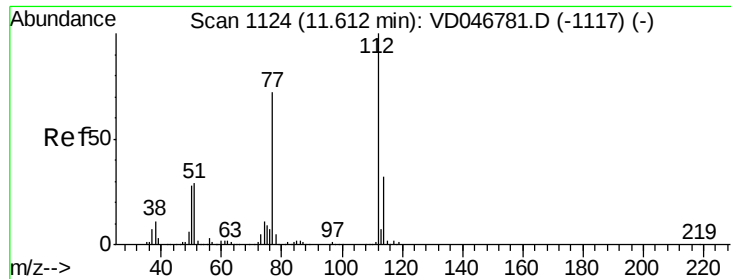
MMDadoda  
9/21/2015 11:39:18 AM



#64  
Tetrachloroethene  
Concen: 19.79 ug/l  
RT: 10.47 min Scan# 1009  
Delta R.T. -0.00 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 39477 |       |       |
| 166     | 135.9 | 106.8 | 160.2 |       |
| 129     | 90.7  | 70.6  | 106.0 |       |
| 131     | 89.5  | 66.6  | 100.0 |       |





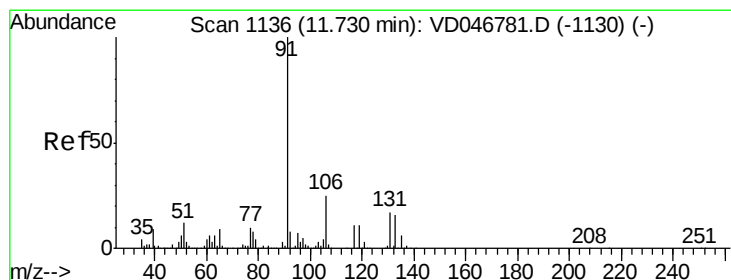
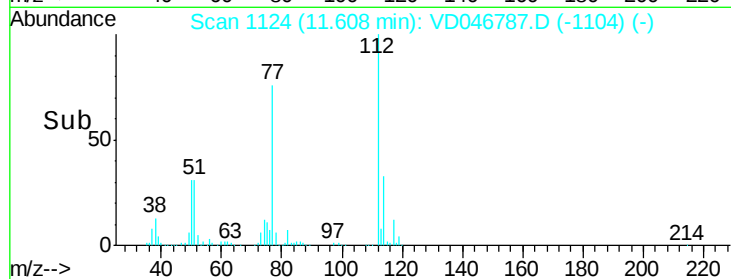
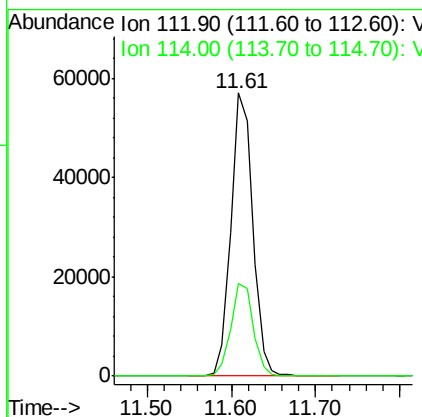
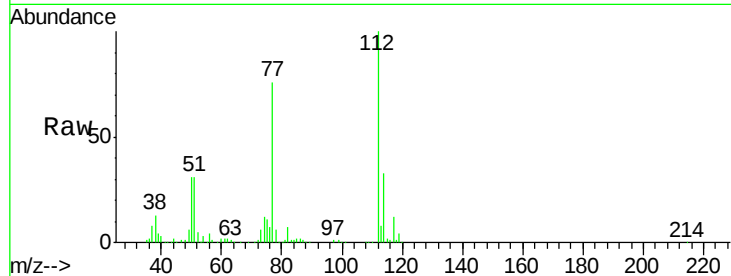
#65  
Chlorobenzene  
Concen: 19.90 ug/l  
RT: 11.61 min Scan# 1124  
Delta R.T. -0.00 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0918SBSD01

Tgt Ion:112 Resp: 103487  
Ion Ratio Lower Upper  
112 100  
114 32.8 25.3 37.9

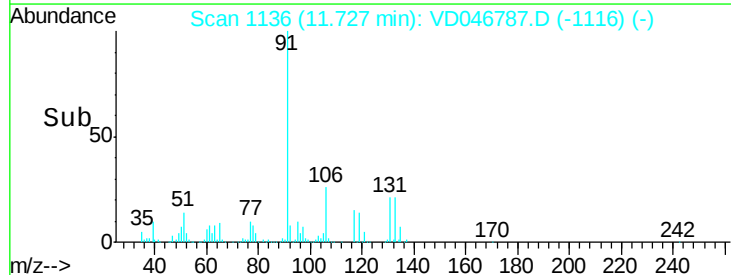
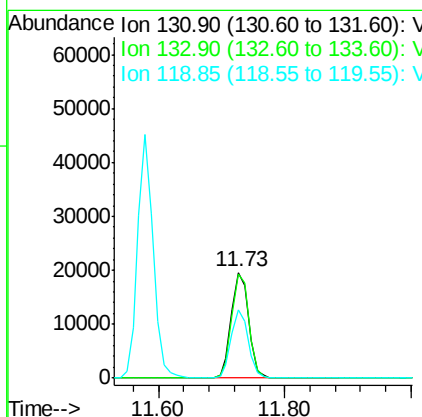
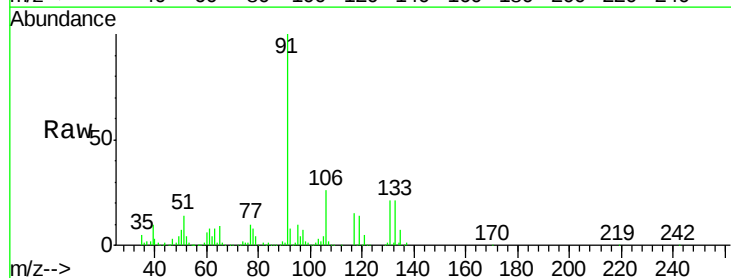
Manual Integrations  
APPROVED

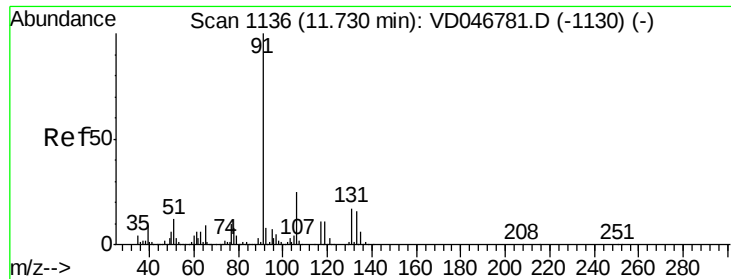
MMDadoda  
9/21/2015 11:39:18 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.55 ug/l  
RT: 11.73 min Scan# 1136  
Delta R.T. -0.00 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

Tgt Ion:131 Resp: 37341  
Ion Ratio Lower Upper  
131 100  
133 98.4 48.4 145.0  
119 64.7 31.5 94.5





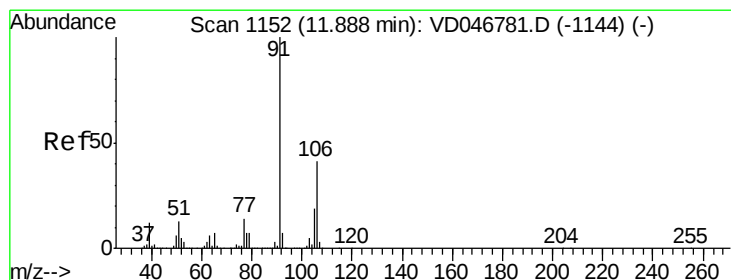
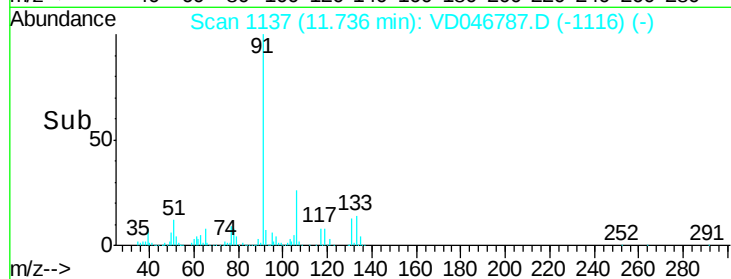
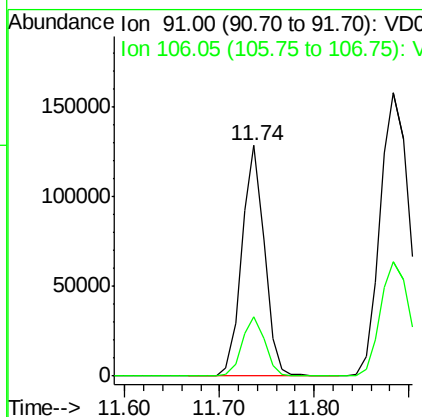
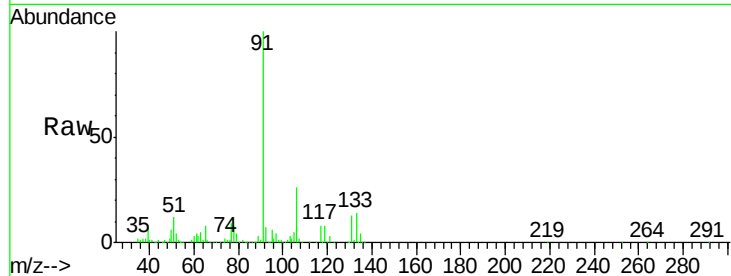
#67  
Ethyl Benzene  
Concen: 20.35 ug/l  
RT: 11.74 min Scan# 1137  
Delta R.T. 0.01 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0918SBSD01

Tgt Ion: 91 Resp: 212649  
Ion Ratio Lower Upper  
91 100  
106 25.6 20.2 30.2

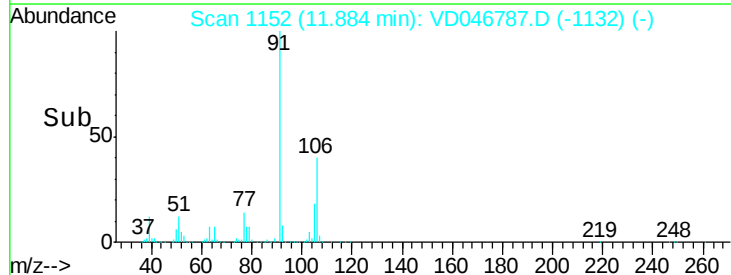
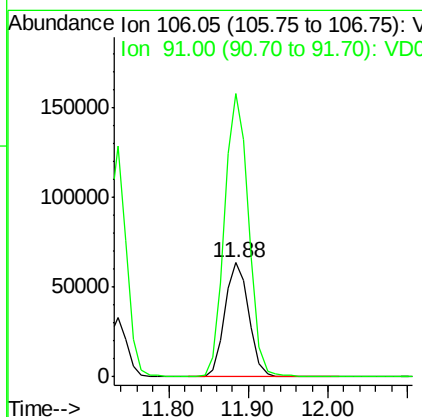
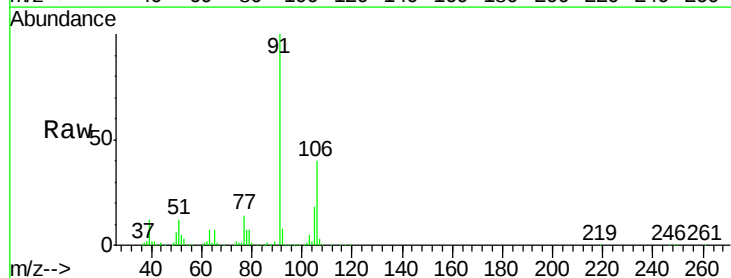
Manual Integrations  
APPROVED

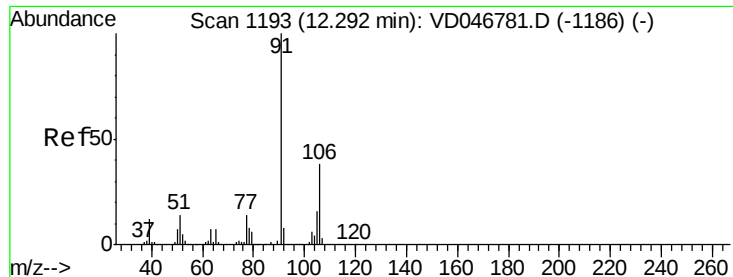
MMDadoda  
9/21/2015 11:39:18 AM



#68  
m/p-Xylenes  
Concen: 41.22 ug/l  
RT: 11.88 min Scan# 1152  
Delta R.T. -0.00 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

Tgt Ion: 106 Resp: 135823  
Ion Ratio Lower Upper  
106 100  
91 247.7 187.9 281.9





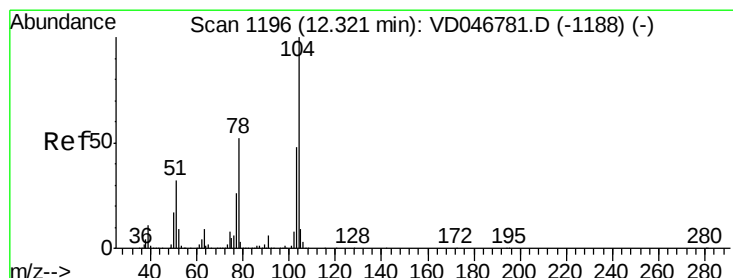
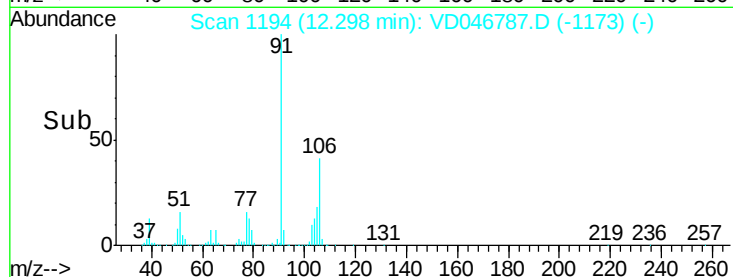
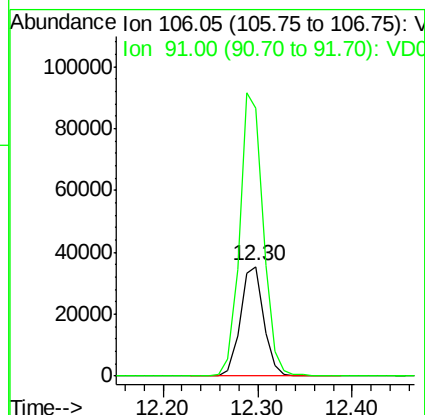
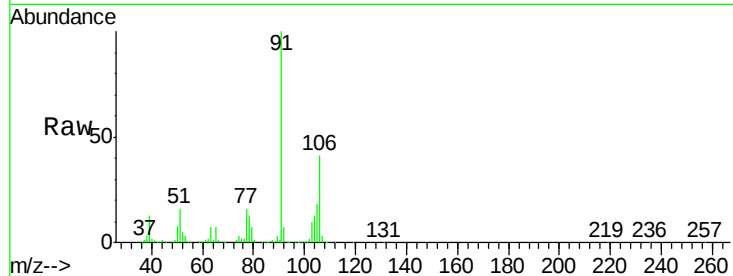
#69  
o-Xylene  
Concen: 20.49 ug/l  
RT: 12.30 min Scan# 1194  
Delta R.T. 0.01 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0918SBS01

Tgt Ion:106 Resp: 60776  
Ion Ratio Lower Upper  
106 100  
91 244.2 124.8 374.5

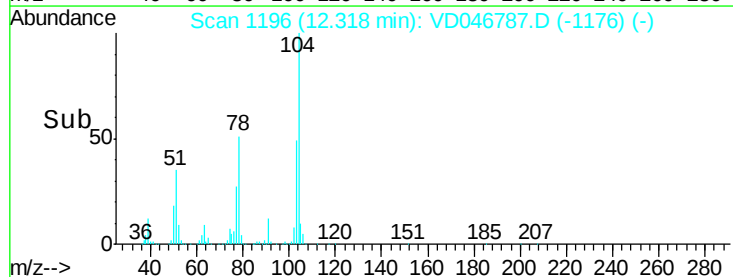
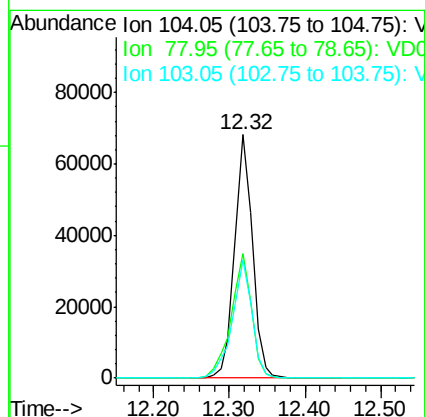
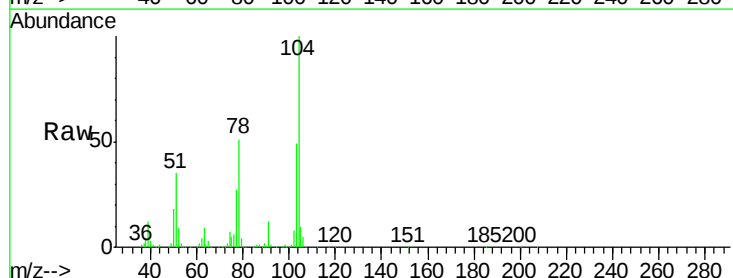
Manual Integrations  
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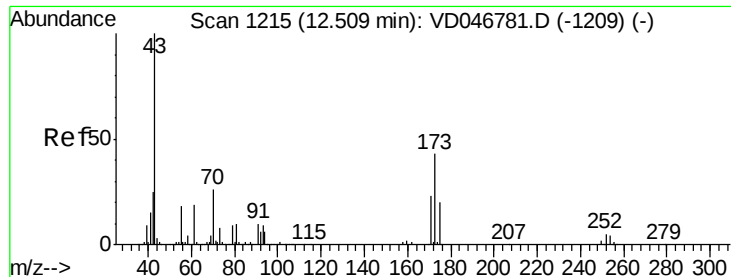
MMDadoda  
9/21/2015 11:39:18 AM



#70  
Styrene  
Concen: 21.53 ug/l  
RT: 12.32 min Scan# 1196  
Delta R.T. -0.00 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

Tgt Ion:104 Resp: 110712  
Ion Ratio Lower Upper  
104 100  
78 51.2 44.5 66.7  
103 48.8 40.3 60.5





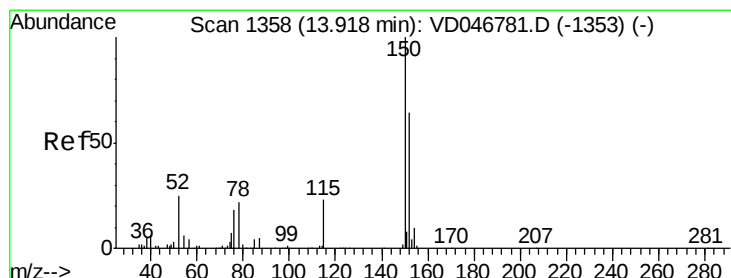
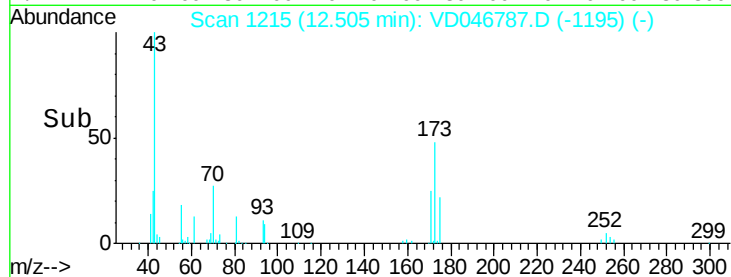
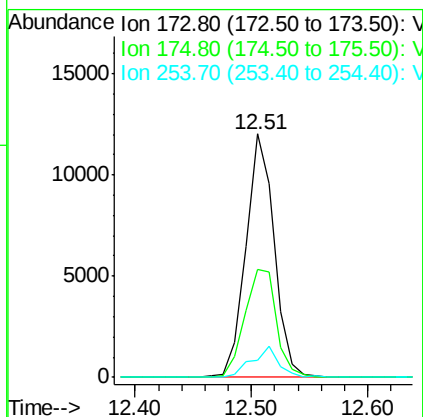
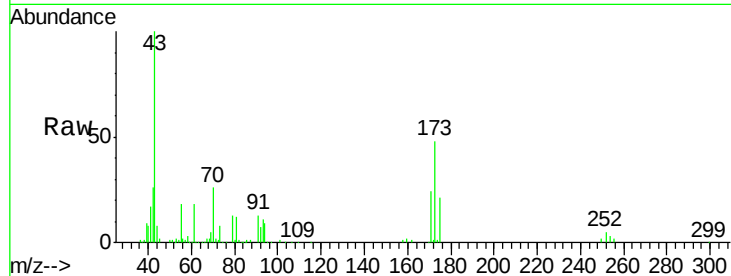
#71  
Bromoform  
Concen: 19.83 ug/l  
RT: 12.51 min Scan# 1215  
Delta R.T. -0.00 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0918SBS01

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 173     | 100   | 20176 |       |       |
| 175     | 44.6  | 23.1  | 69.3  |       |
| 254     | 7.2   | 8.7   | 13.1  |       |

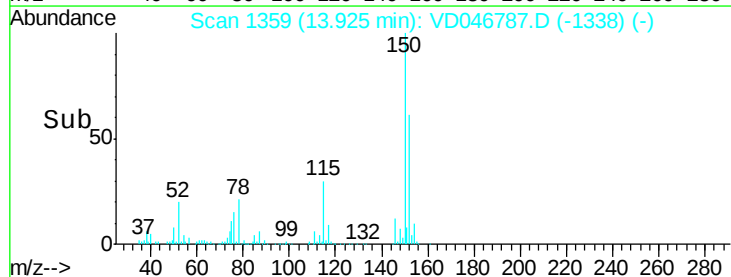
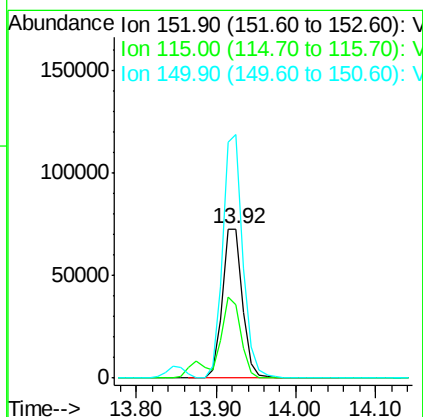
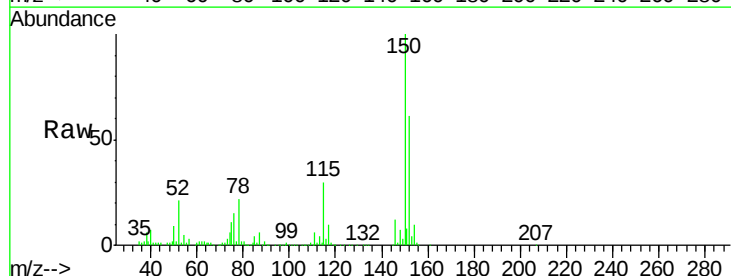
Manual Integrations  
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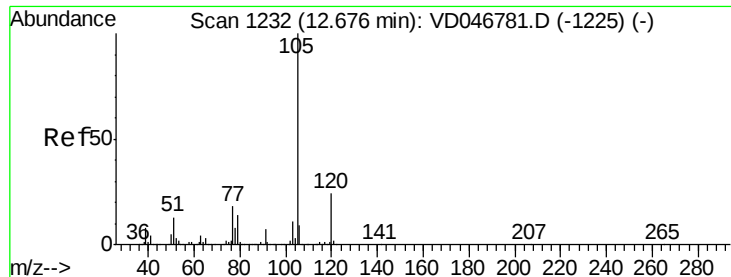
MMDadoda  
9/21/2015 11:39:18 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.92 min Scan# 1359  
Delta R.T. 0.01 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 130107 |       |       |
| 115     | 49.5  | 26.2   | 78.6  |       |
| 150     | 163.3 | 0.0    | 311.8 |       |





#73

Isopropylbenzene

Concen: 20.45 ug/l

RT: 12.67 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA\_D

ClientSampleId :

VD0918SBS01

Tgt Ion: 105 Resp: 187568

Ion Ratio Lower Upper

105 100

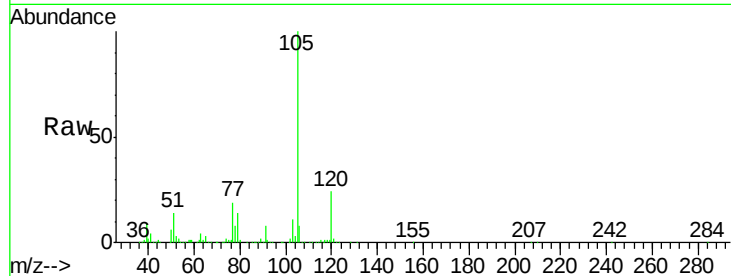
120 23.9 12.4 37.4

Manual Integrations

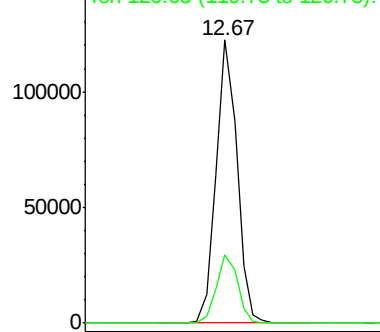
APPROVED

MMDadoda

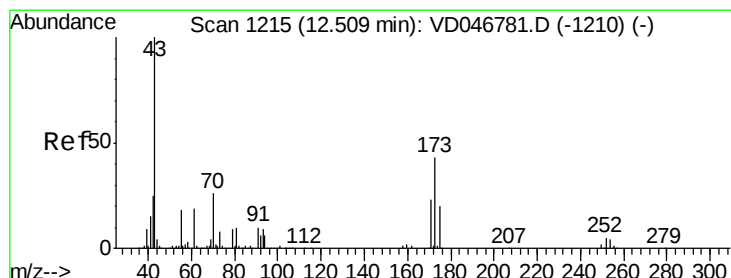
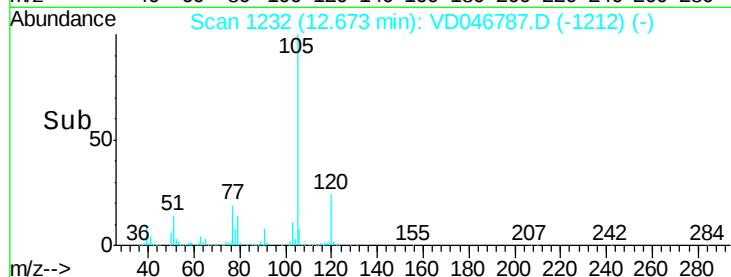
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Abundance Ion 105.05 (104.75 to 105.75): V



Time-->



#74

N-ethyl acetate

Concen: 20.06 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Tgt Ion: 43 Resp: 39089

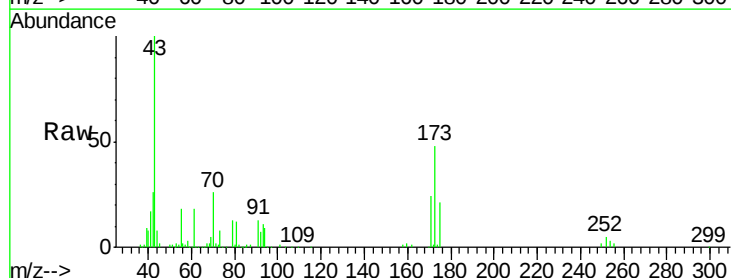
Ion Ratio Lower Upper

43 100

70 26.4 22.1 33.1

55 18.5 14.5 21.7

61 18.4 14.6 21.8

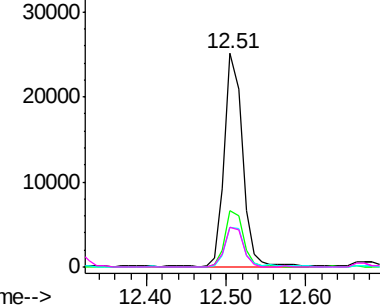


Abundance Ion 42.95 (42.65 to 43.65): VDC

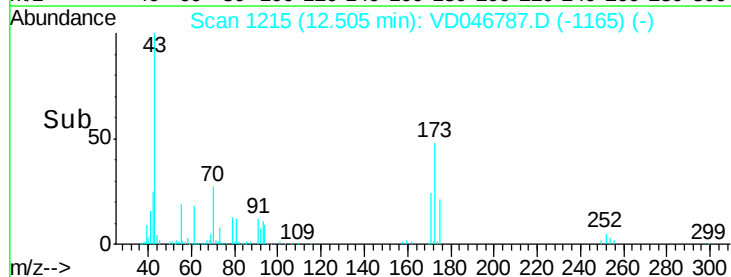
Ion 70.00 (69.70 to 70.70): VDC

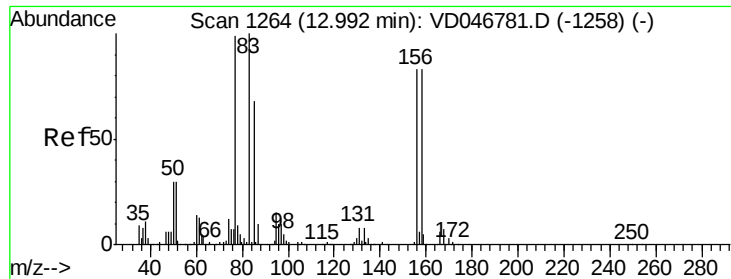
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.73 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA\_D

ClientSampleId :

VD0918SBS01

Tgt Ion: 83 Resp: 30686  
Ion Ratio Lower Upper

83 100

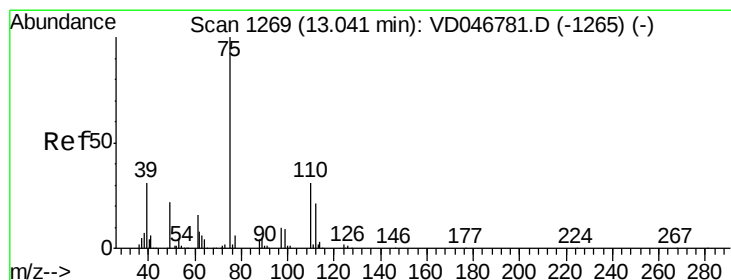
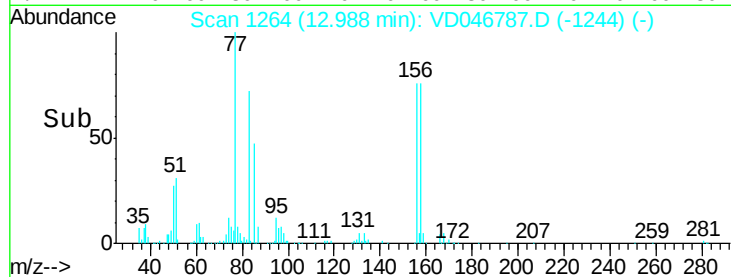
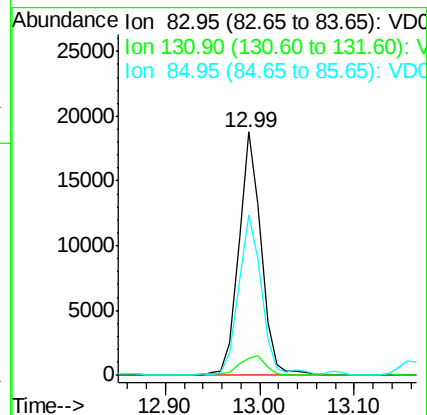
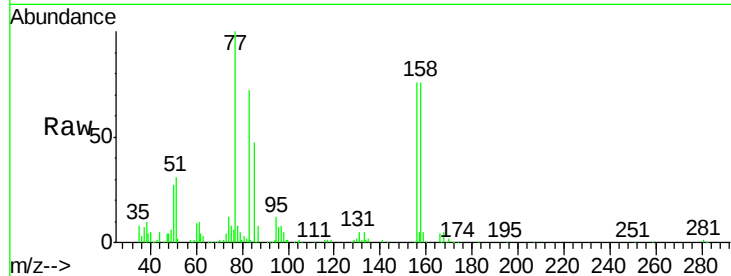
131 7.0 3.9 11.7

85 65.7 30.5 91.5

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#76

1,2,3-Trichloropropane

Concen: 20.08 ug/l

RT: 13.04 min Scan# 1269

Delta R.T. -0.00 min

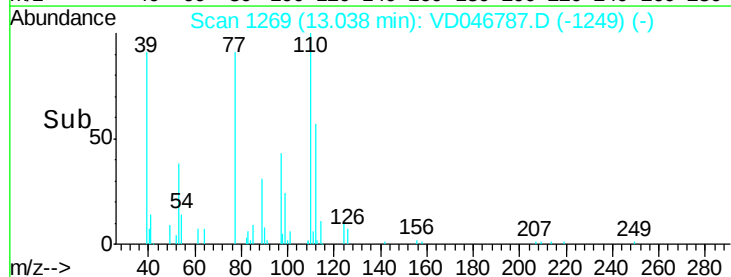
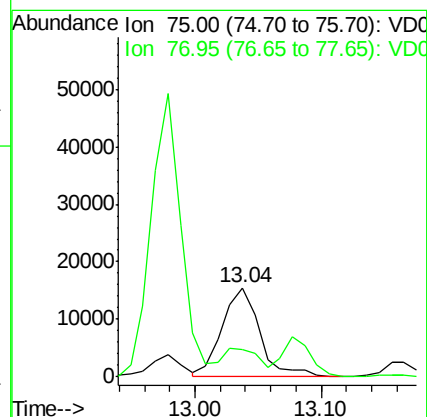
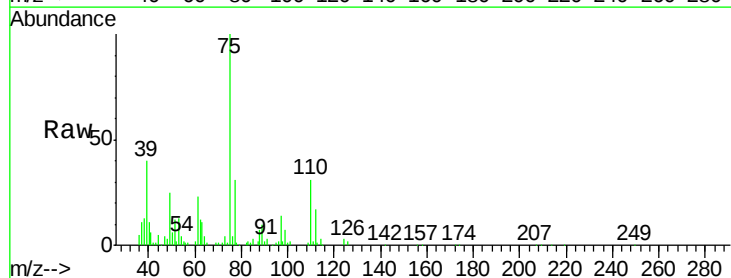
Lab File: VD046787.D

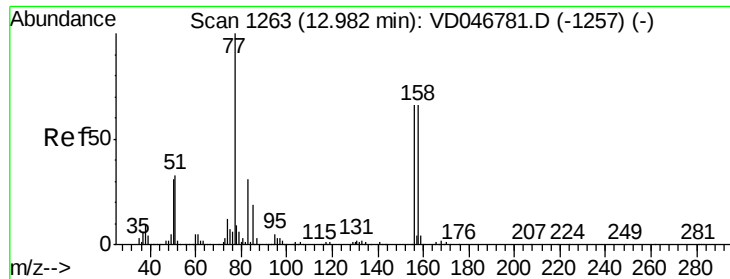
Acq: 18 Sep 2015 17:27

Tgt Ion: 75 Resp: 31797  
Ion Ratio Lower Upper

75 100

77 31.0 16.0 48.0





#77

Bromobenzene

Concen: 20.28 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA\_D

ClientSampleId :

VD0918SBS01

Tgt Ion:156 Resp: 46772

Ion Ratio Lower Upper

156 100

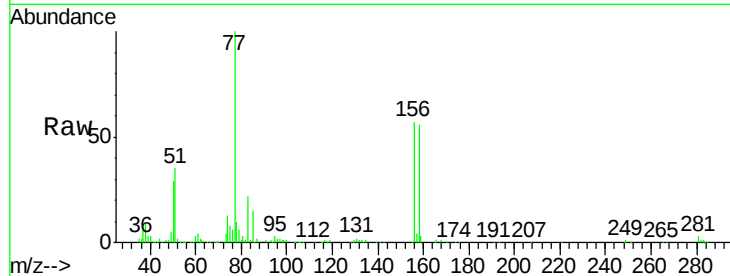
77 174.9 70.3 210.8

158 98.7 49.0 147.0

Manual Integrations  
APPROVED

MMDadoda

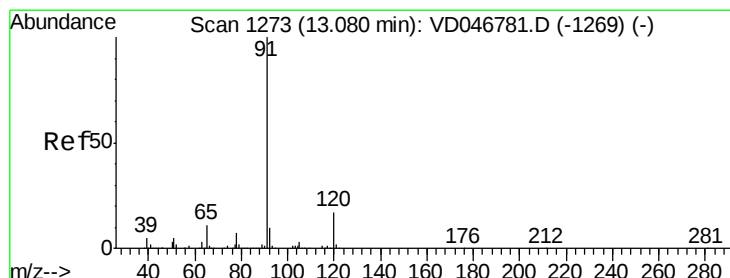
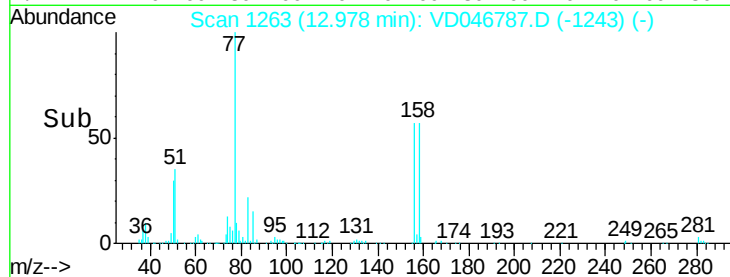
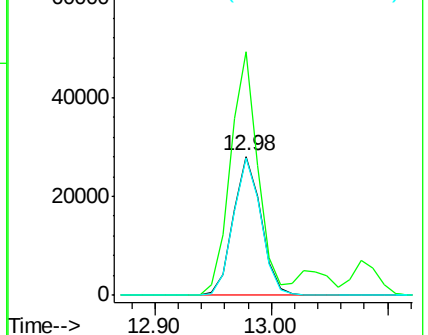
9/21/2015 11:39:18 AM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.79 ug/l

RT: 13.08 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD046787.D

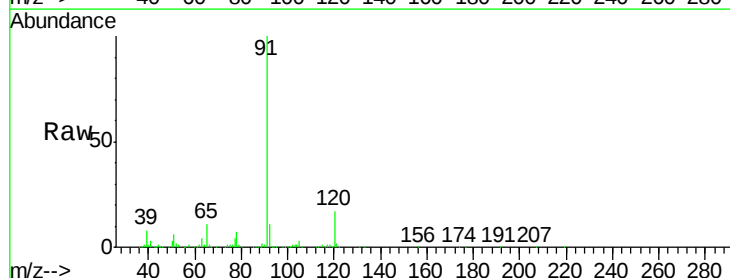
Acq: 18 Sep 2015 17:27

Tgt Ion: 91 Resp: 269294

Ion Ratio Lower Upper

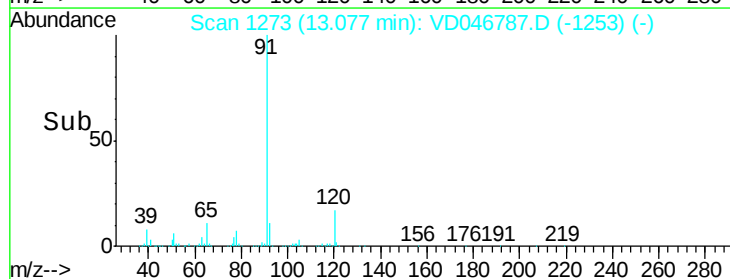
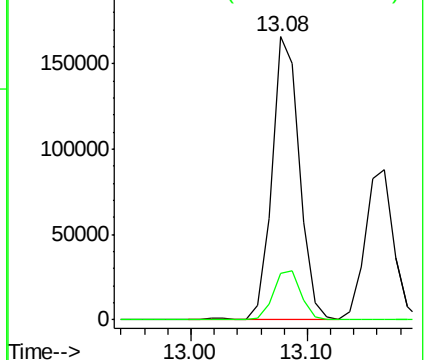
91 100

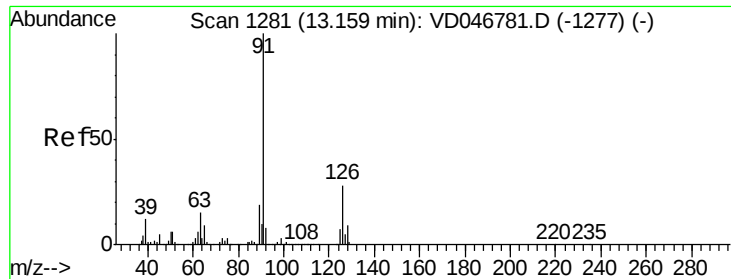
120 16.5 9.3 27.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





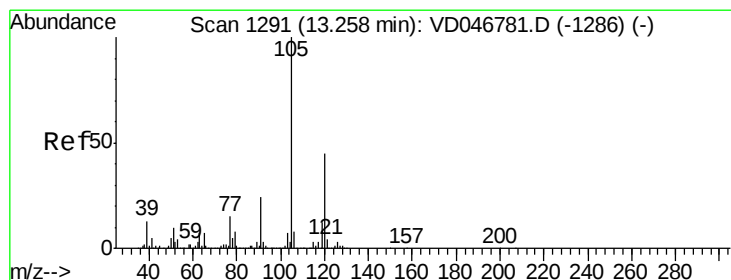
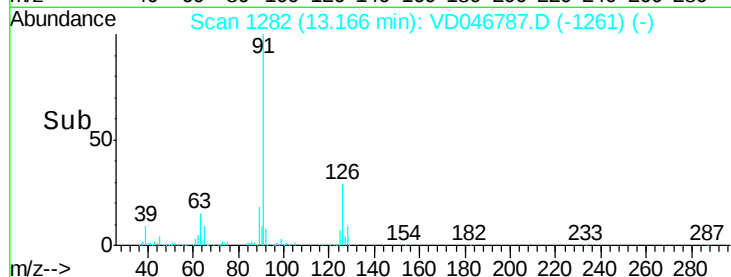
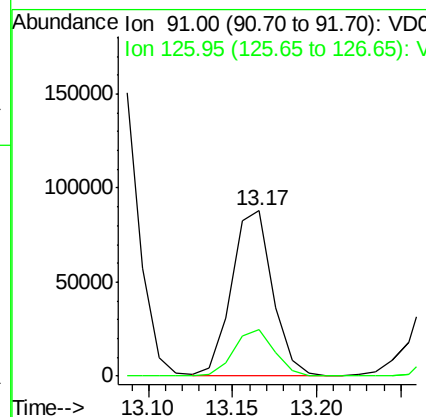
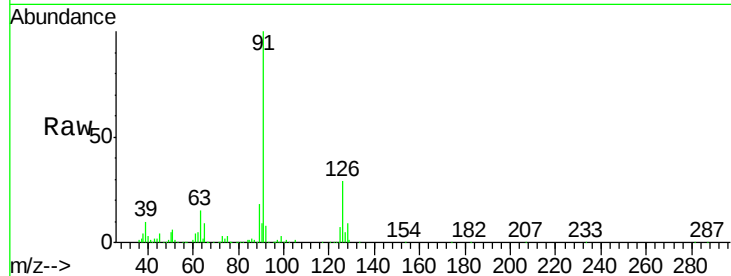
#79  
2-Chlorotoluene  
Concen: 20.54 ug/l  
RT: 13.17 min Scan# 1282  
Delta R.T. 0.01 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0918SBSD01

Tgt Ion: 91 Resp: 147722  
Ion Ratio Lower Upper  
91 100  
126 28.5 14.1 42.4

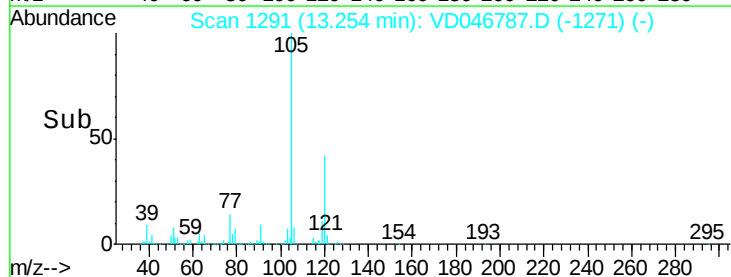
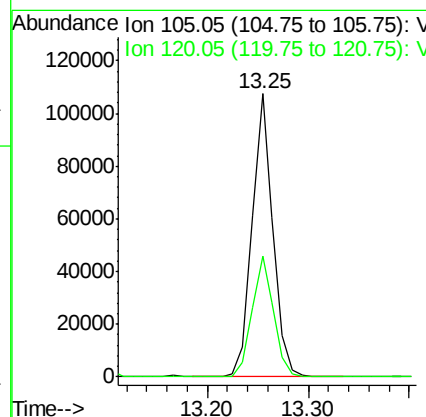
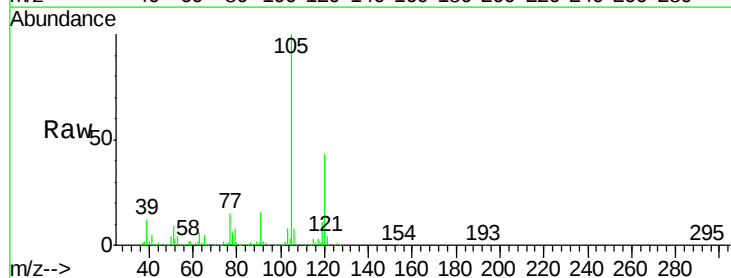
Manual Integrations  
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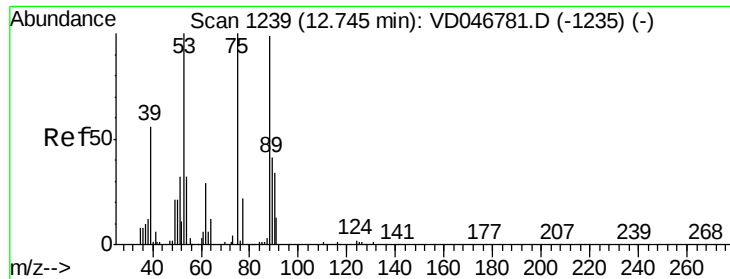
MMDadoda  
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#80  
1,3,5-Trimethylbenzene  
Concen: 21.17 ug/l  
RT: 13.25 min Scan# 1291  
Delta R.T. -0.00 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

Tgt Ion: 105 Resp: 154721  
Ion Ratio Lower Upper  
105 100  
120 42.8 22.3 66.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.37 ug/l

RT: 12.74 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA\_D

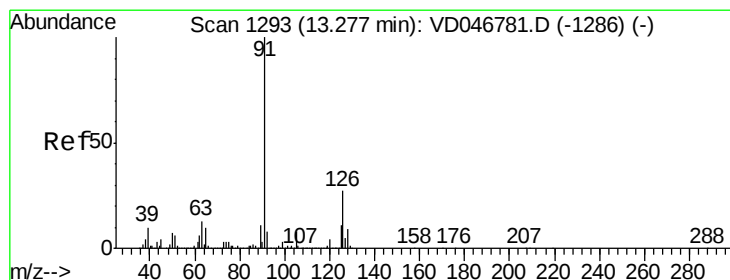
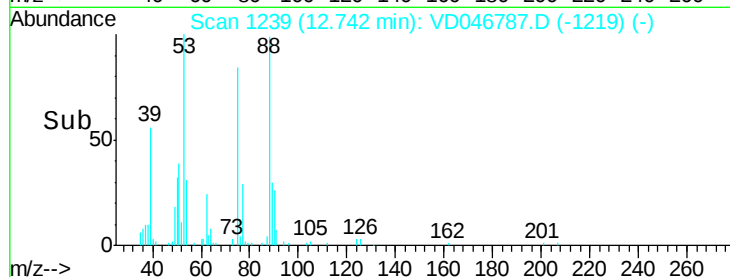
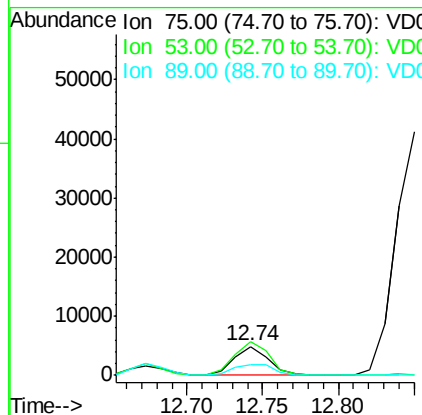
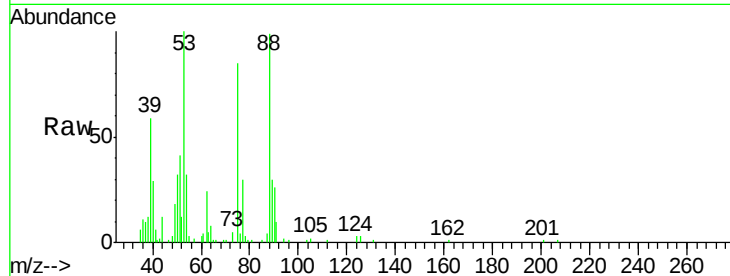
ClientSampleId :

VD0918SBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 7825  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 117.3 | 82.3  | 123.5 |
| 89        | 34.8  | 36.6  | 54.8# |

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#82

4-Chlorotoluene

Concen: 20.65 ug/l

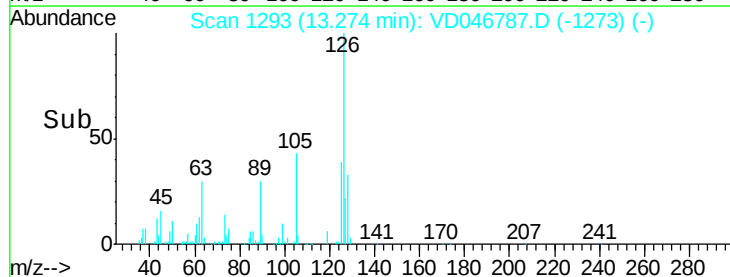
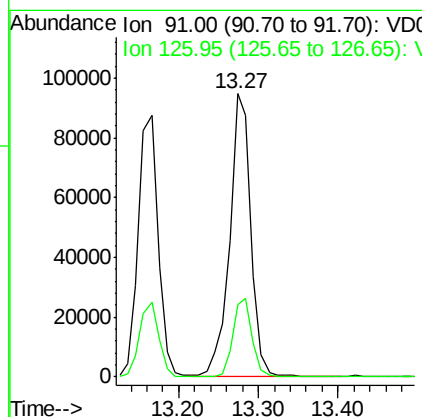
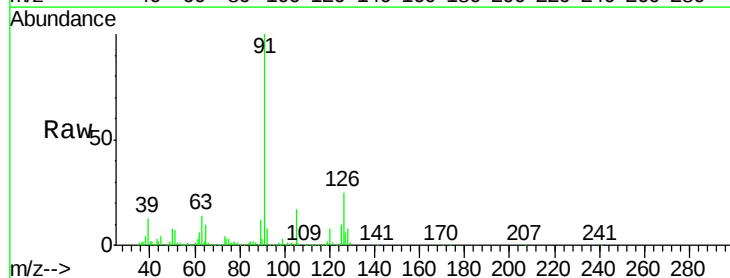
RT: 13.27 min Scan# 1293

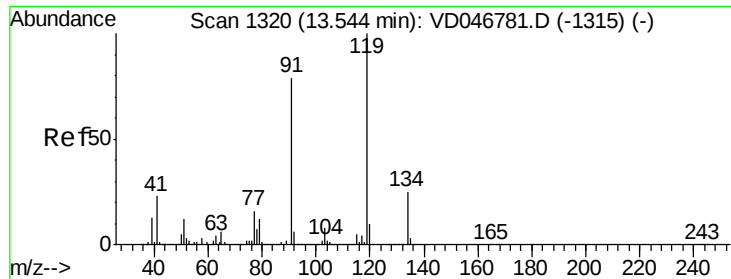
Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 176773 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 25.4  | 14.1  | 42.4   |





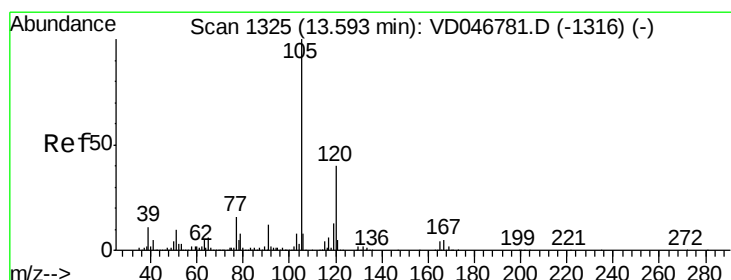
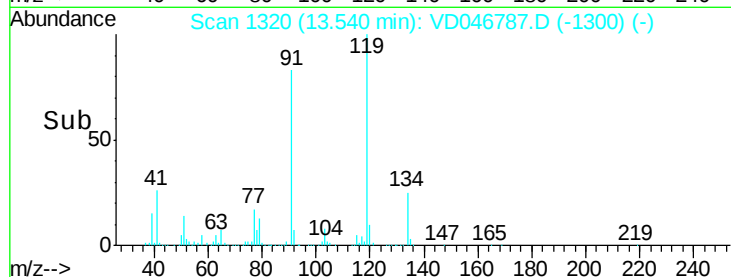
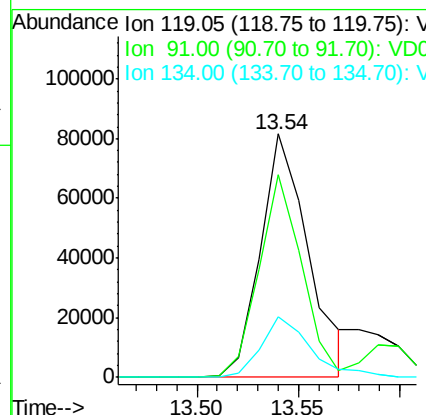
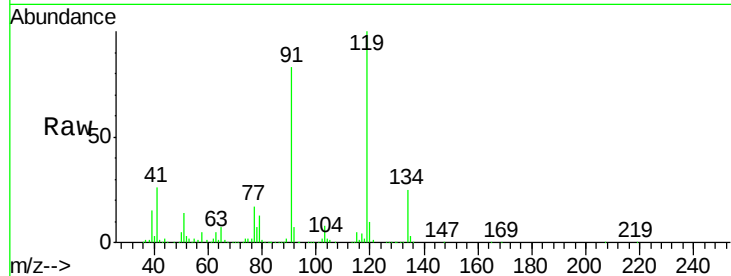
#83  
 tert-Butylbenzene  
 Concen: 20.41 ug/l m  
 RT: 13.54 min Scan# 1320  
 Delta R.T. -0.00 min  
 Lab File: VD046787.D  
 Acq: 18 Sep 2015 17:27

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0918SBSD01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 134475 |       |       |
| 91      | 83.2  | 41.6   | 124.9 |       |
| 134     | 24.8  | 12.4   | 37.4  |       |

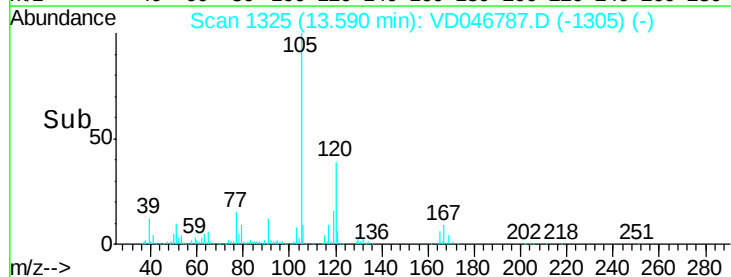
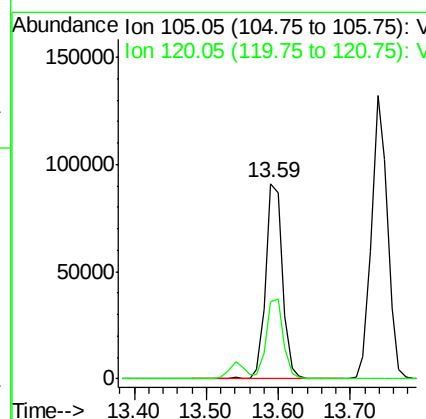
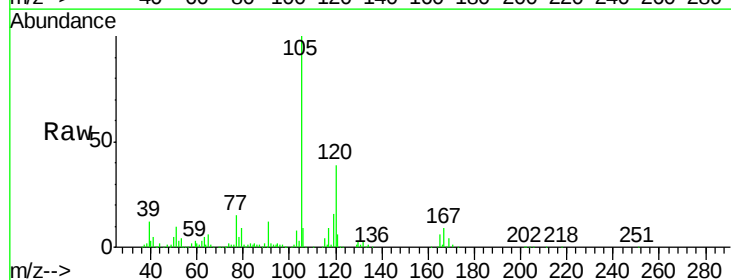
Manual Integrations  
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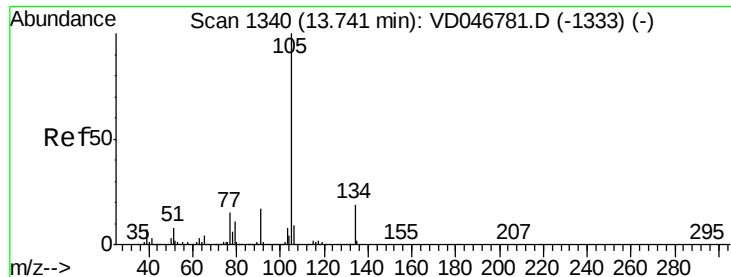
MMDadoda  
 9/21/2015 11:39:18 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.55 ug/l  
 RT: 13.59 min Scan# 1325  
 Delta R.T. -0.00 min  
 Lab File: VD046787.D  
 Acq: 18 Sep 2015 17:27

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 151171 |       |       |
| 120     | 39.4  | 21.1   | 63.1  |       |





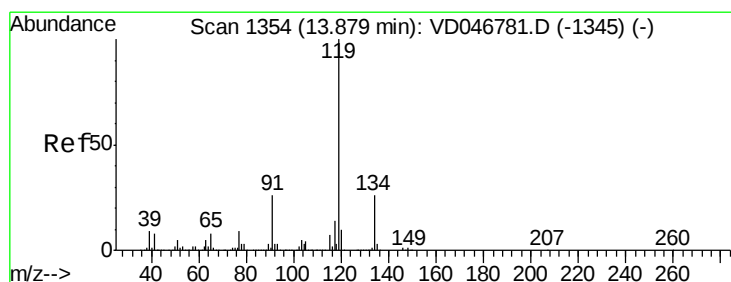
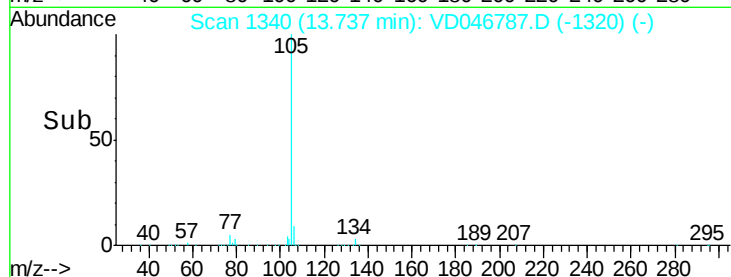
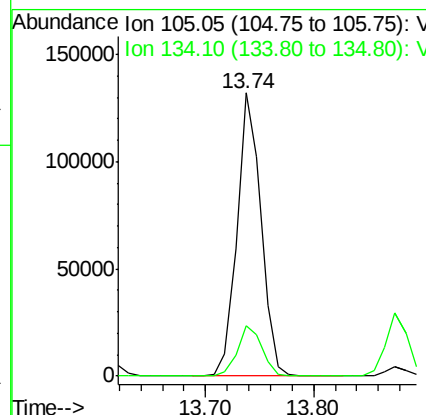
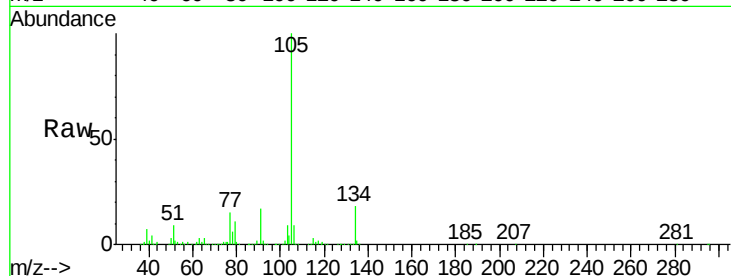
#85  
 sec-Butylbenzene  
 Concen: 20.94 ug/l  
 RT: 13.74 min Scan# 1340  
 Delta R.T. -0.00 min  
 Lab File: VD046787.D  
 Acq: 18 Sep 2015 17:27

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0918SBS01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 202848 |       |       |
| 134     | 17.9  | 10.1   | 30.3  |       |

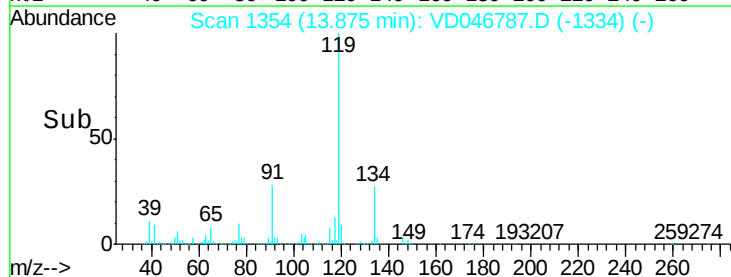
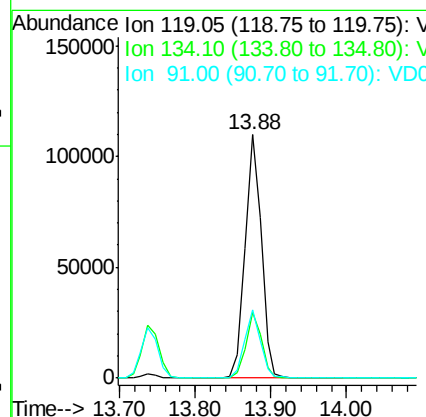
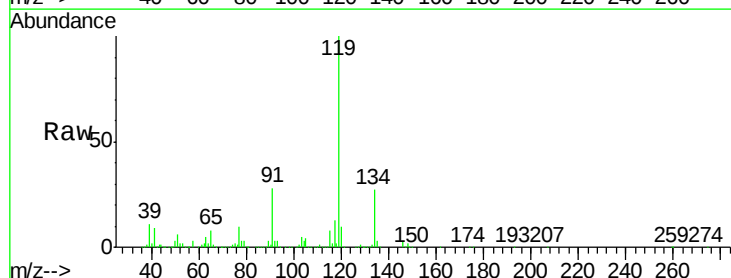
Manual Integrations  
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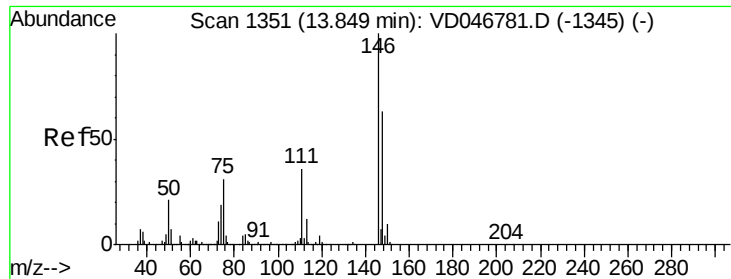
MMDadoda  
 9/21/2015 11:39:18 AM



#86  
 p-Isopropyltoluene  
 Concen: 21.27 ug/l  
 RT: 13.88 min Scan# 1354  
 Delta R.T. -0.00 min  
 Lab File: VD046787.D  
 Acq: 18 Sep 2015 17:27

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 161898 |       |       |
| 134     | 27.0  | 13.0   | 38.9  |       |
| 91      | 27.8  | 13.8   | 41.3  |       |





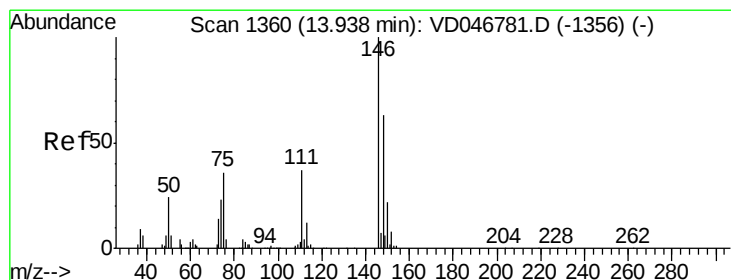
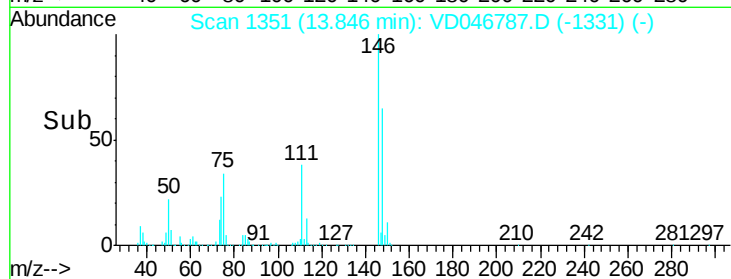
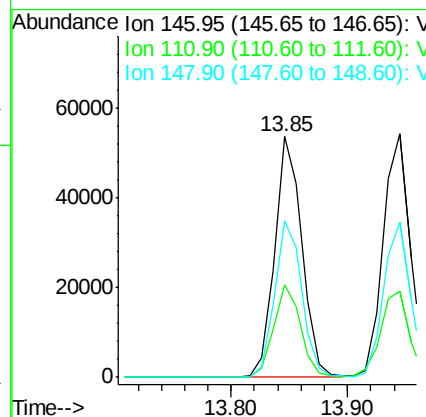
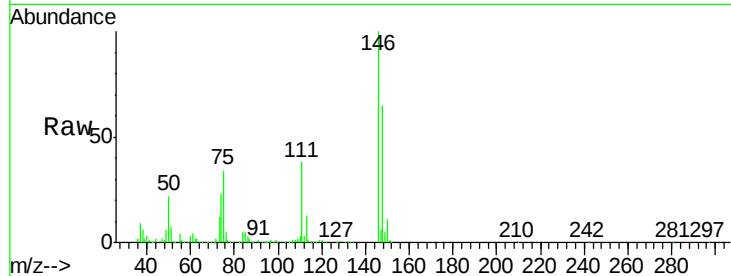
#87  
 1,3-Dichlorobenzene  
 Concen: 20.12 ug/l  
 RT: 13.85 min Scan# 1351  
 Delta R.T. -0.00 min  
 Lab File: VD046787.D  
 Acq: 18 Sep 2015 17:27

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0918SBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.2  | 17.4  | 52.2  |
| 148     | 64.8  | 33.0  | 99.0  |

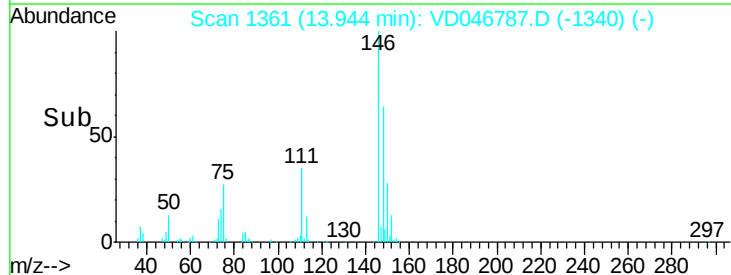
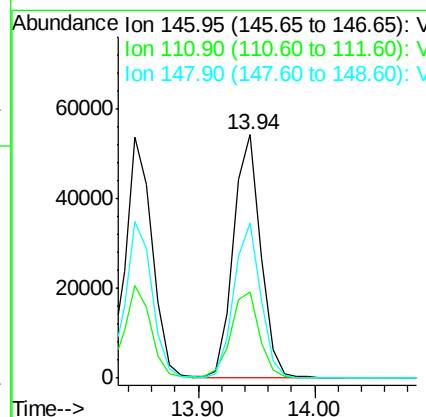
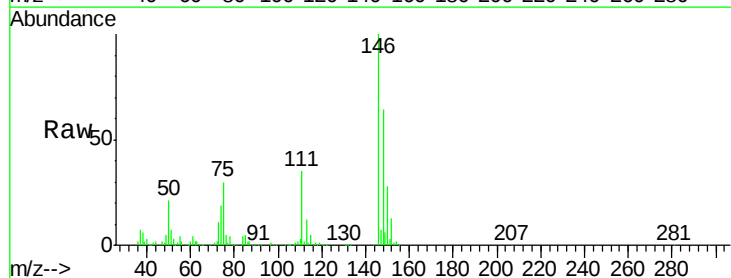
Manual Integrations  
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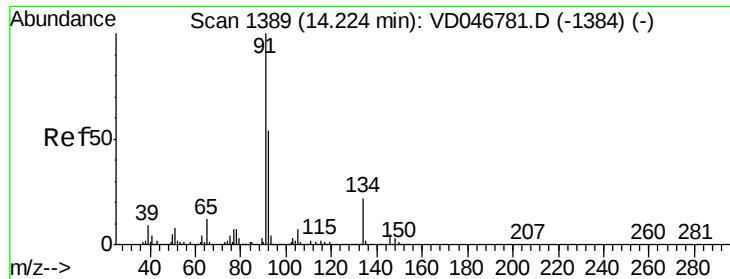
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 20.65 ug/l  
 RT: 13.94 min Scan# 1361  
 Delta R.T. 0.01 min  
 Lab File: VD046787.D  
 Acq: 18 Sep 2015 17:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 35.2  | 17.0  | 51.0  |
| 148     | 64.0  | 31.9  | 95.7  |





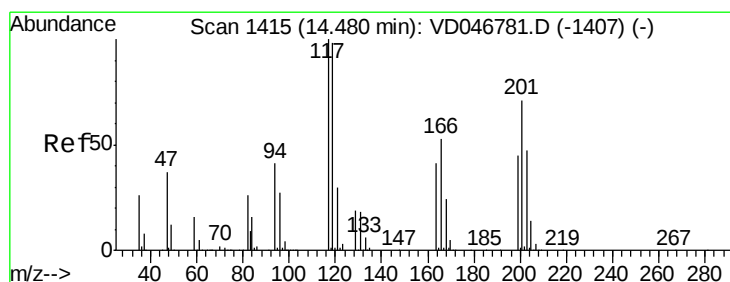
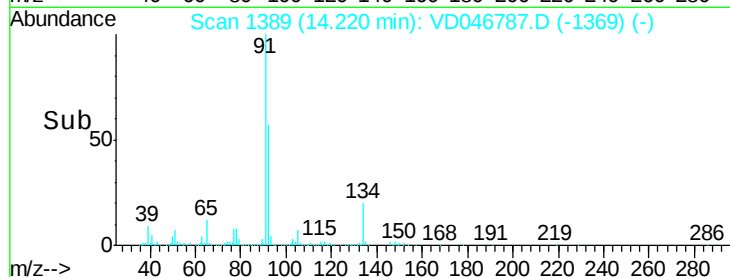
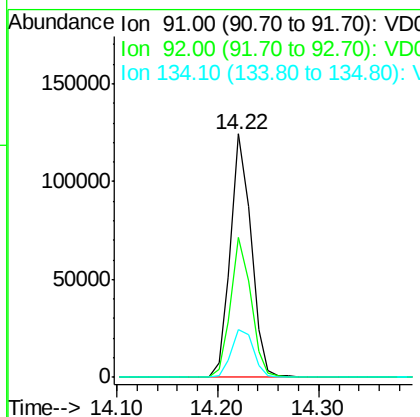
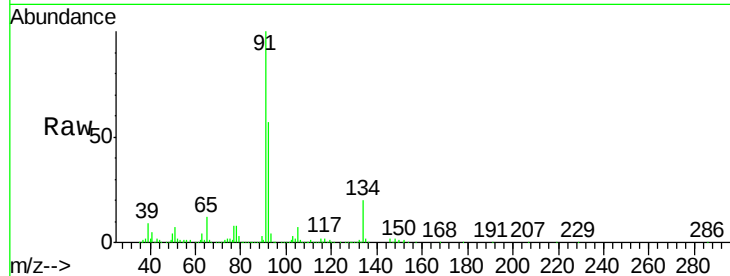
#89  
n-Butylbenzene  
Concen: 20.82 ug/l  
RT: 14.22 min Scan# 1389  
Delta R.T. -0.00 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0918SBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 57.3  | 27.1  | 81.2  |
| 134     | 19.7  | 9.6   | 28.6  |

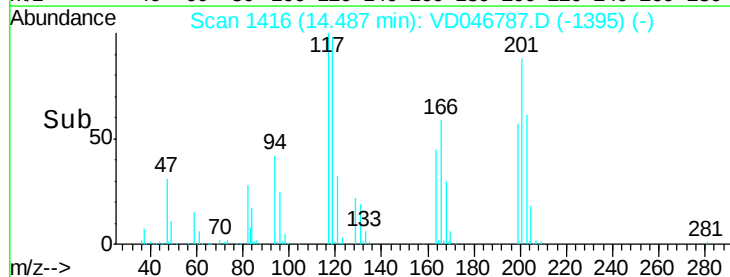
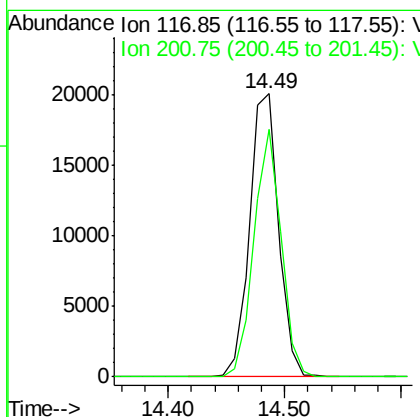
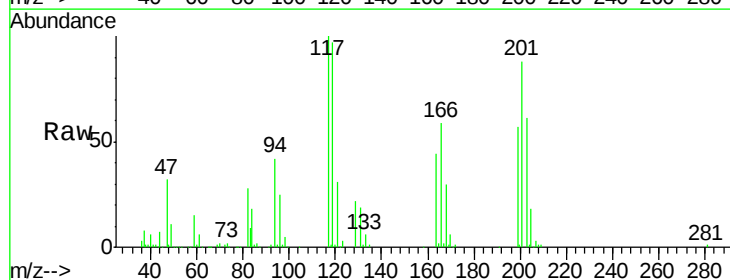
Manual Integrations  
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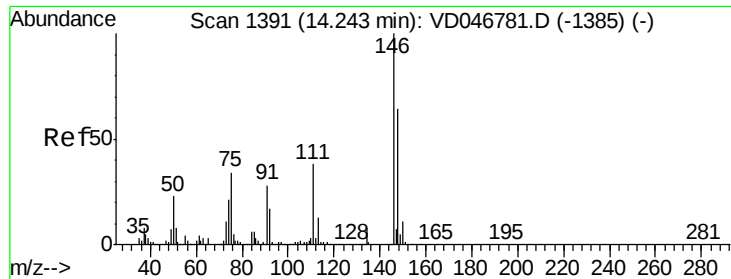
MMDadoda  
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#90  
Hexachloroethane  
Concen: 19.64 ug/l  
RT: 14.49 min Scan# 1416  
Delta R.T. 0.01 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 87.6  | 41.0  | 123.0 |





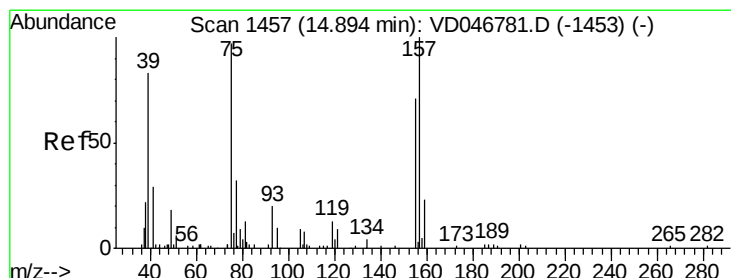
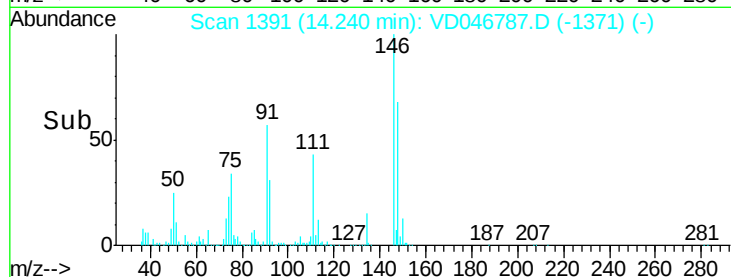
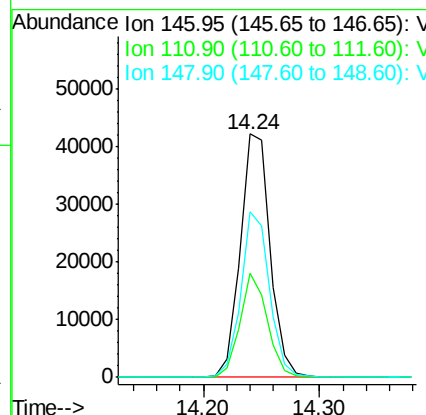
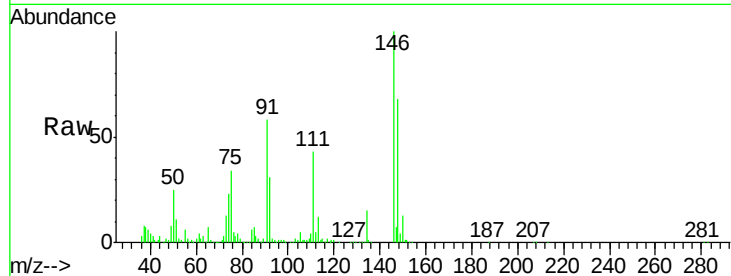
#91  
 1,2-Dichlorobenzene  
 Concen: 20.64 ug/l  
 RT: 14.24 min Scan# 1391  
 Delta R.T. -0.00 min  
 Lab File: VD046787.D  
 Acq: 18 Sep 2015 17:27

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0918SBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.5  | 18.2  | 54.6  |
| 148     | 67.9  | 31.1  | 93.3  |

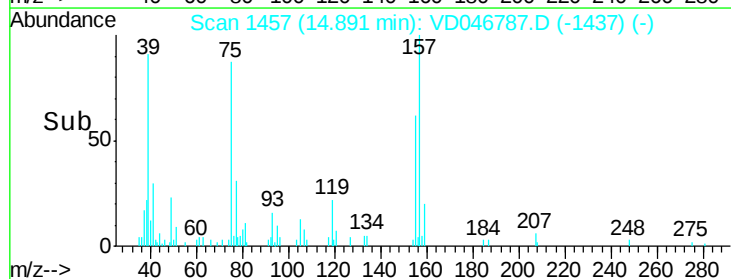
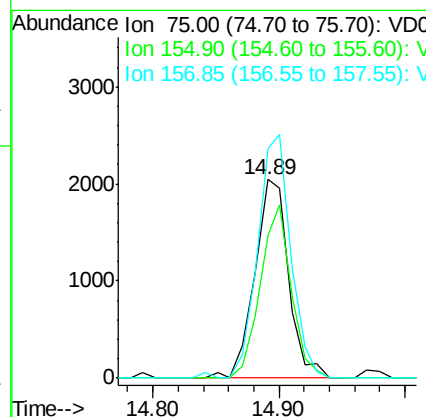
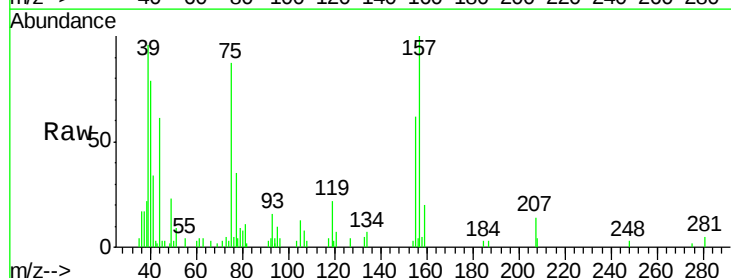
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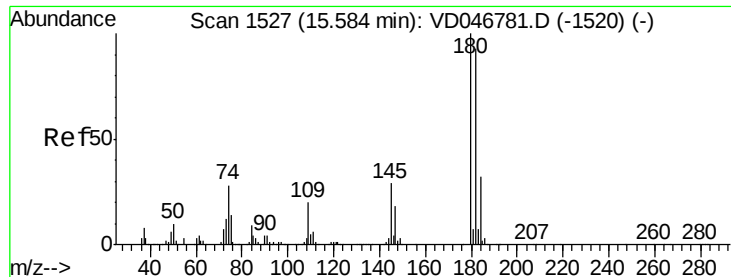
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.05 ug/l  
 RT: 14.89 min Scan# 1457  
 Delta R.T. -0.00 min  
 Lab File: VD046787.D  
 Acq: 18 Sep 2015 17:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 72.0  | 41.4  | 124.4 |
| 157     | 115.5 | 65.0  | 195.1 |





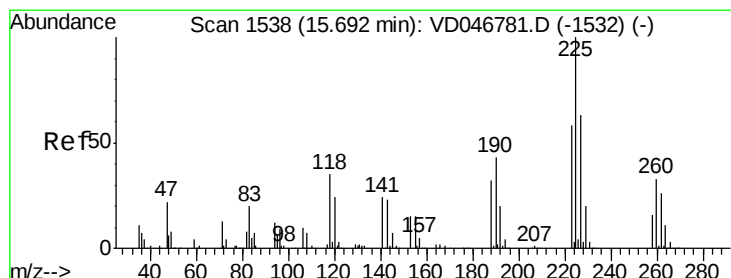
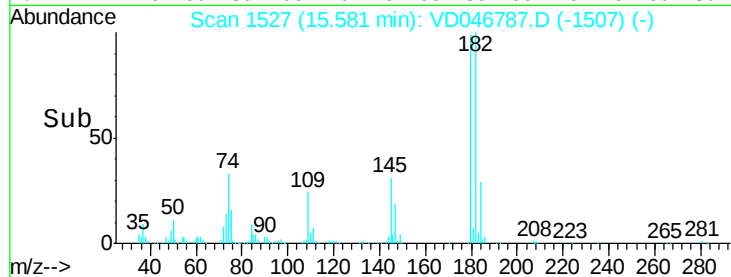
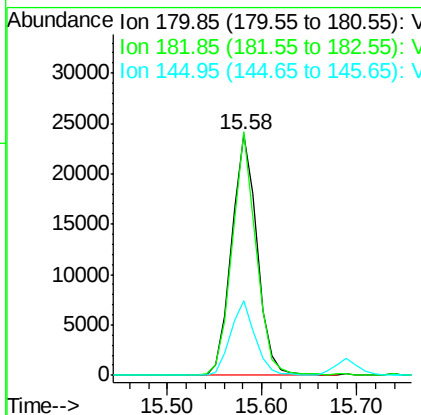
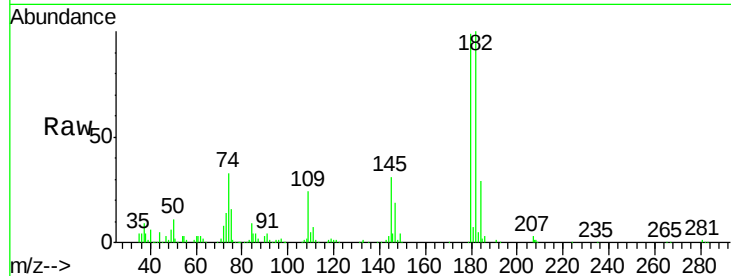
#93  
 1,2,4-Trichlorobenzene  
 Concen: 21.40 ug/l  
 RT: 15.58 min Scan# 1527  
 Delta R.T. -0.00 min  
 Lab File: VD046787.D  
 Acq: 18 Sep 2015 17:27

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0918SBS01

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 44548 |       |       |
| 182     | 101.2 | 47.5  | 142.5 |       |
| 145     | 30.9  | 14.6  | 44.0  |       |

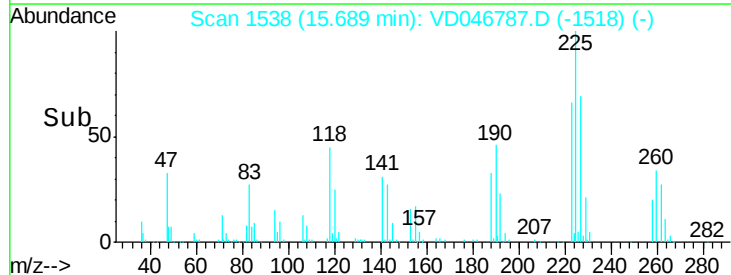
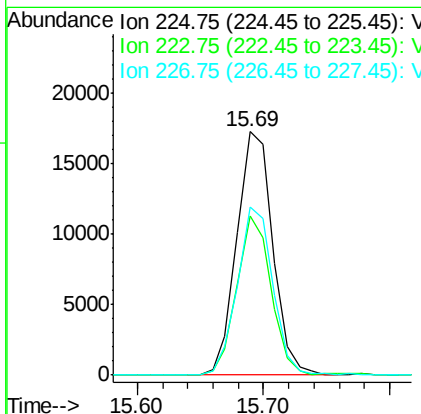
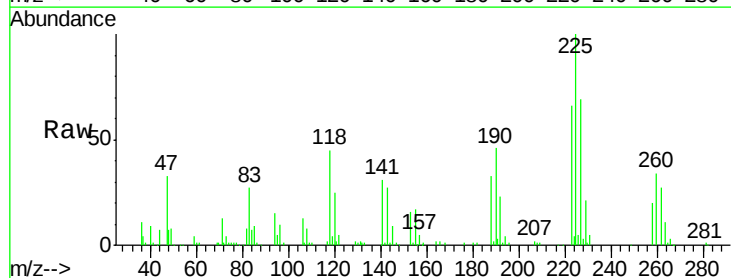
Manual Integrations  
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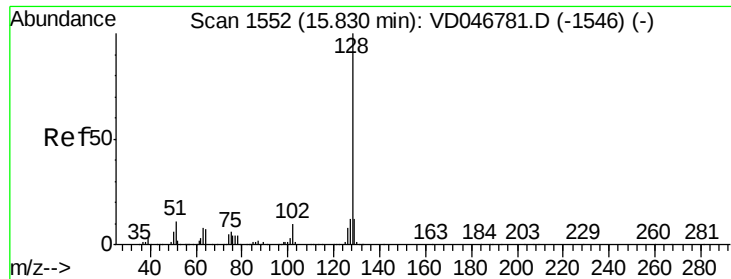
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#94  
 Hexachlorobutadiene  
 Concen: 19.96 ug/l  
 RT: 15.69 min Scan# 1538  
 Delta R.T. -0.00 min  
 Lab File: VD046787.D  
 Acq: 18 Sep 2015 17:27

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 34200 |       |       |
| 223     | 65.6  | 30.4  | 91.2  |       |
| 227     | 68.9  | 31.3  | 93.9  |       |





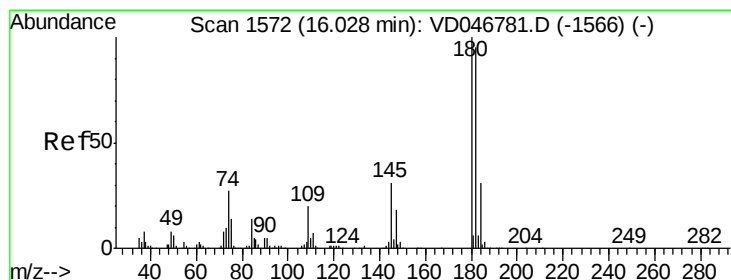
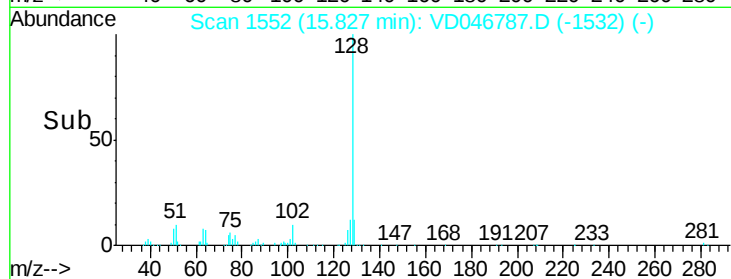
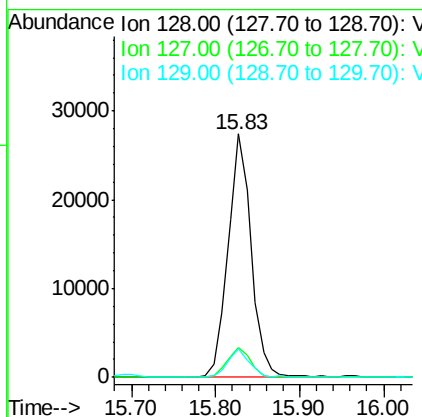
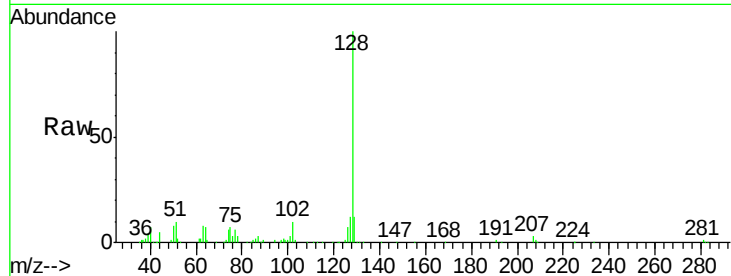
#95  
Naphthalene  
Concen: 20.58 ug/l  
RT: 15.83 min Scan# 1552  
Delta R.T. -0.00 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0918SBS01

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 128     | 100   | 52643 |       |       |
| 127     | 12.1  |       | 9.8   | 14.6  |
| 129     | 11.9  |       | 8.6   | 12.8  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 20.88 ug/l  
RT: 16.02 min Scan# 1572  
Delta R.T. -0.00 min  
Lab File: VD046787.D  
Acq: 18 Sep 2015 17:27

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 36311 |       |       |
| 182     | 99.4  |       | 47.4  | 142.3 |
| 145     | 31.4  |       | 15.4  | 46.4  |

