

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012418\  
 Data File : VW000942.D  
 Acq On : 24 Jan 2018 12:21  
 Operator : JC/SY  
 Sample : J1161-01 LOD 2.0PPB  
 Misc : 5.0G/5.0ML/MSVOA W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2018

Manual Integrations  
 APPROVED

MMDadoda  
 1/25/2018 1:33:54 PM

Quant Time: Jan 25 11:48:59 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_W\METHOD\82W012318S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 23 13:31:00 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 232902   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 335802   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 302709   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 161788   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 123471   | 55.31 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 110.62% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 101904   | 49.54 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.08%  |      |
| 50) Toluene-d8            | 10.33  | 98  | 432584   | 53.34 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.68% |      |
| 62) 4-Bromofluorobenzene  | 12.63  | 95  | 146709   | 49.67 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.34%  |      |

## Target Compounds

|                               |      |     |        |       |        | Qvalue |
|-------------------------------|------|-----|--------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.00 | 85  | 5372   | 2.39  | ug/l   | 96     |
| 3) Chloromethane              | 2.22 | 50  | 4685   | 2.36  | ug/l   | 91     |
| 4) Vinyl Chloride             | 2.36 | 62  | 3877   | 2.10  | ug/l   | 90     |
| 5) Bromomethane               | 2.77 | 94  | 3493   | 2.76  | ug/l   | 98     |
| 6) Chloroethane               | 2.92 | 64  | 2204   | 2.15  | ug/l   | 92     |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 7709   | 2.27  | ug/l   | 94     |
| 8) Diethyl Ether              | 3.68 | 74  | 1881   | 2.21  | ug/l   | 78     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 4617   | 2.10  | ug/l   | 97     |
| 10) Methyl Iodide             | 4.26 | 142 | 3419   | 6.18  | ug/l   | 95     |
| 11) Tert butyl alcohol        | 5.18 | 59  | 2225m  | 9.19  | ug/l   |        |
| 12) 1,1-Dichloroethene        | 4.03 | 96  | 3925   | 2.08  | ug/l # | 82     |
| 13) Acrolein                  | 3.89 | 56  | 1624   | 6.87  | ug/l # | 82     |
| 14) Allyl chloride            | 4.67 | 41  | 5957   | 2.03  | ug/l   | 94     |
| 15) Acrylonitrile             | 5.38 | 53  | 6461   | 9.71  | ug/l   | 96     |
| 16) Acetone                   | 4.13 | 43  | 9751   | 27.23 | ug/l # | 82     |
| 17) Carbon Disulfide          | 4.37 | 76  | 12427  | 1.99  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.68 | 43  | 3495   | 2.13  | ug/l   | 96     |
| 19) Methyl tert-butyl Ether   | 5.43 | 73  | 9231   | 1.90  | ug/l   | 97     |
| 20) Methylene Chloride        | 4.92 | 84  | 8992   | 1.57  | ug/l   | 90     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 4452   | 2.03  | ug/l # | 81     |
| 22) Diisopropyl ether         | 6.32 | 45  | 8564   | 1.63  | ug/l   | 94     |
| 23) Vinyl Acetate             | 6.25 | 43  | 14864m | 4.54  | ug/l   |        |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 6996   | 1.99  | ug/l # | 92     |
| 25) 2-Butanone                | 7.18 | 43  | 10243  | 10.37 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 7.17 | 77  | 9251   | 2.59  | ug/l   | 86     |
| 27) cis-1,2-Dichloroethene    | 7.16 | 96  | 4332   | 1.91  | ug/l   | 74     |
| 28) Bromochloromethane        | 7.51 | 49  | 3154   | 2.13  | ug/l # | 98     |
| 29) Tetrahydrofuran           | 7.54 | 42  | 5027   | 9.25  | ug/l   | 95     |
| 30) Chloroform                | 7.68 | 83  | 7730   | 2.03  | ug/l   | 94     |
| 31) Cyclohexane               | 7.95 | 56  | 10934  | 3.01  | ug/l # | 69     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 7180   | 1.95  | ug/l   | 95     |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 6931   | 2.16  | ug/l # | 83     |
| 37) Ethyl Acetate             | 7.26 | 43  | 3597   | 1.99  | ug/l # | 97     |
| 38) Carbon Tetrachloride      | 8.06 | 117 | 6443   | 1.82  | ug/l   | 96     |

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 ALS Vial : 4 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2018

Manual Integrations  
 APPROVED

MMDadoda  
 1/25/2018 1:33:54 PM

Quant Time: Jan 25 11:48:59 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_W\METHOD\82W012318S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 23 13:31:00 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 7489     | 1.94  | ug/l   | 94       |
| 40) Benzene                    | 8.33  | 78   | 16950    | 1.95  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.49  | 41   | 1518     | 1.50  | ug/l # | 72       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 5054     | 1.88  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.43  | 43   | 5620     | 1.83  | ug/l   | 96       |
| 44) Trichloroethene            | 9.10  | 130  | 5430     | 2.10  | ug/l   | 91       |
| 45) 1,2-Dichloropropane        | 9.38  | 63   | 3875     | 1.91  | ug/l   | 97       |
| 46) Dibromomethane             | 9.46  | 93   | 2190     | 1.69  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.65  | 83   | 4774     | 1.66  | ug/l # | 87       |
| 48) Methyl methacrylate        | 9.44  | 41   | 2666     | 1.81  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.45  | 88   | 932      | 32.84 | ug/l # | 74       |
| 51) 4-Methyl-2-Pentanone       | 10.22 | 43   | 14048    | 7.96  | ug/l   | 95       |
| 52) Toluene                    | 10.40 | 92   | 11069    | 2.01  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene      | 10.62 | 75   | 4843     | 1.66  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 10.08 | 75   | 4989     | 1.56  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 3315     | 1.83  | ug/l # | 93       |
| 56) Ethyl methacrylate         | 10.66 | 69   | 3394     | 4.55  | ug/l # | 84       |
| 57) 1,3-Dichloropropane        | 10.94 | 76   | 5562     | 1.88  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 4308     | 28.65 | ug/l   | 97       |
| 59) 2-Hexanone                 | 10.98 | 43   | 10207    | 20.87 | ug/l   | 91       |
| 60) Dibromochloromethane       | 11.14 | 129  | 3918     | 1.79  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 3244     | 1.72  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.87 | 164  | 5443     | 2.17  | ug/l   | 92       |
| 65) Chlorobenzene              | 11.67 | 112  | 11757    | 1.89  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 3840     | 1.72  | ug/l # | 61       |
| 67) Ethyl Benzene              | 11.74 | 91   | 19353    | 1.84  | ug/l   | 95       |
| 68) m/p-Xylenes                | 11.85 | 106  | 13625    | 3.34  | ug/l   | 96       |
| 69) o-Xylene                   | 12.18 | 106  | 6181     | 1.65  | ug/l   | 100      |
| 70) Styrene                    | 12.19 | 104  | 9626     | 1.58  | ug/l   | 96       |
| 71) Bromoform                  | 12.36 | 173  | 2533     | 1.67  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.48 | 105  | 17497    | 1.67  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.29 | 43   | 3897     | 1.54  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.73 | 83   | 4047     | 1.81  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.79 | 75   | 3472m    | 1.85  | ug/l   |          |
| 77) Bromobenzene               | 12.76 | 156  | 5135     | 1.93  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.82 | 91   | 23554    | 1.87  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 13871    | 1.95  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.96 | 105  | 15105    | 1.70  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.52 | 75   | 745m     | 5.44  | ug/l   |          |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 14099    | 1.87  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 13641    | 1.75  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 14004    | 1.56  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.40 | 105  | 19438    | 1.73  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 13.52 | 119  | 16155    | 1.62  | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene        | 13.52 | 146  | 10058    | 1.91  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 10874m   | 2.06  | ug/l   |          |
| 89) n-Butylbenzene             | 13.84 | 91   | 16964    | 1.81  | ug/l   | 96       |
| 90) Hexachloroethane           | 14.11 | 117  | 3707     | 2.00  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene        | 13.89 | 146  | 9138     | 1.92  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51 | 75   | 838      | 1.70  | ug/l   | 93       |

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Misc : 5.0G/5.0ML/MSVOA W/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2018

Manual Integrations  
APPROVED

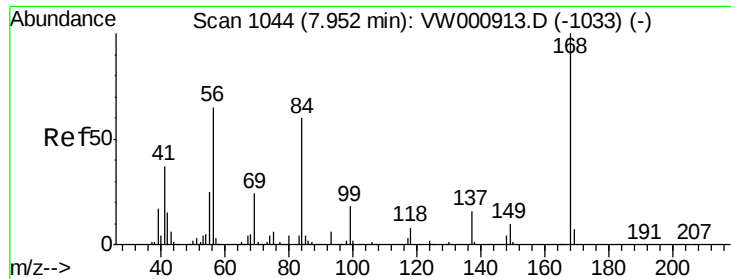
MMDadoda  
1/25/2018 1:33:54 PM

Quant Time: Jan 25 11:48:59 2018  
Quant Method : W:\HPCHEM1\MSVOA\_W\METHOD\82W012318S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 23 13:31:00 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|----------------------------|-------|------|----------|------|--------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.16 | 180  | 6783     | 1.92 | ug/l   | 96       |
| 94) Hexachlorobutadiene    | 15.26 | 225  | 5030     | 2.24 | ug/l   | 95       |
| 95) Naphthalene            | 15.40 | 128  | 11472    | 1.53 | ug/l # | 94       |
| 96) 1,2,3-Trichlorobenzene | 15.58 | 180  | 5946     | 1.83 | ug/l   | 93       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA\_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

Tot Ion:168 Resp: 232902

Ion Ratio Lower Upper

168 100

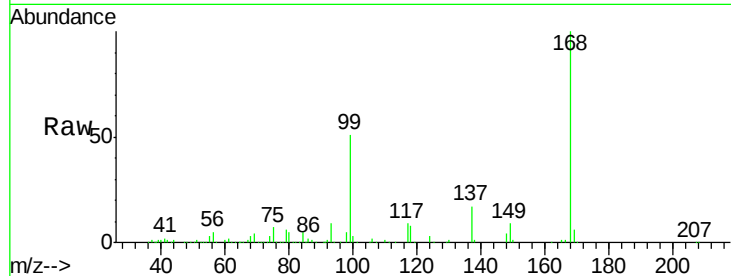
99 51.1 40.6 61.0

Manual Integrations

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1/25/2018 1:33:54 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

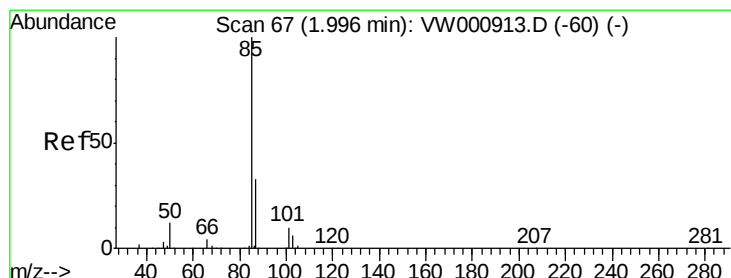
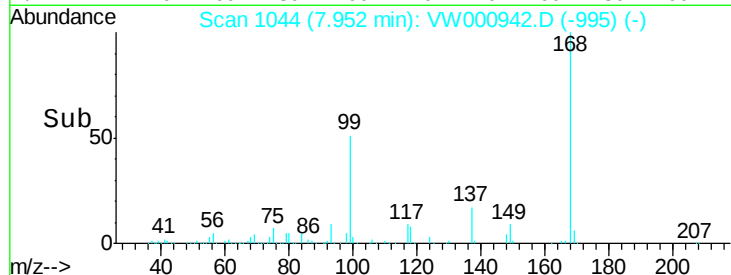
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.39 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.01 min

Lab File: VW000942.D

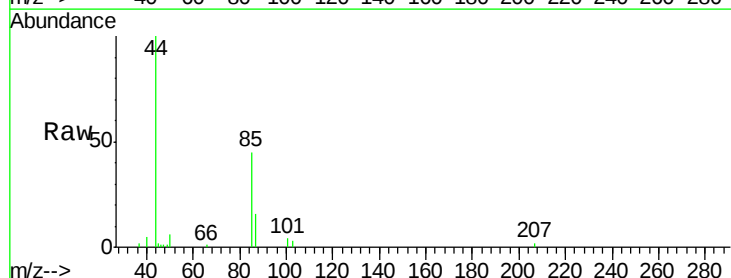
Acq: 24 Jan 2018 12:21

Tgt Ion: 85 Resp: 5372

Ion Ratio Lower Upper

85 100

87 35.4 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

4000

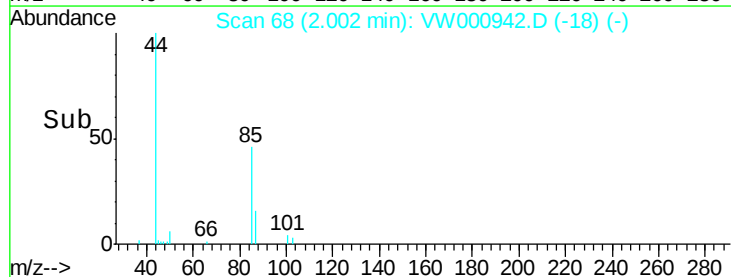
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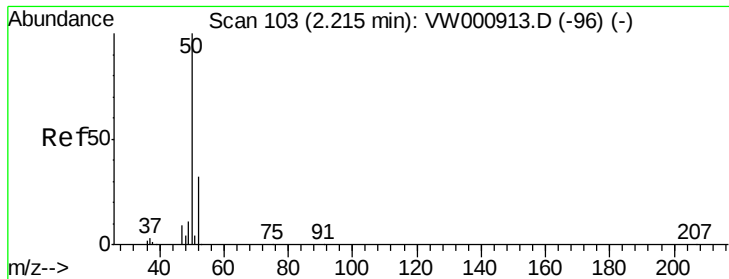
2000

1000

0

Time-->





#3

Chloromethane

Concen: 2.36 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA\_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

Tot Ion: 50 Resp: 4685

Ion Ratio Lower Upper

50 100

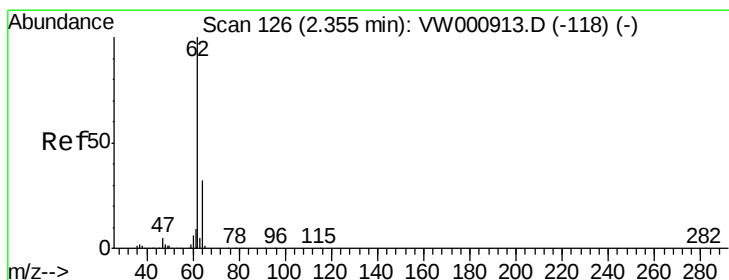
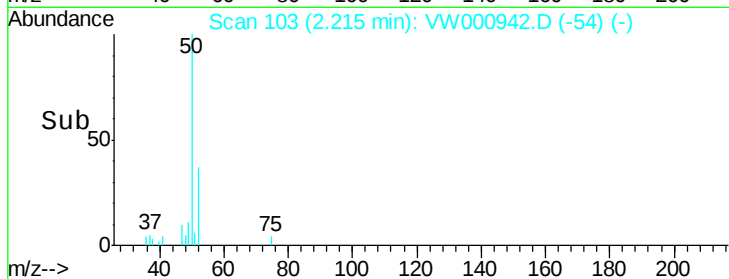
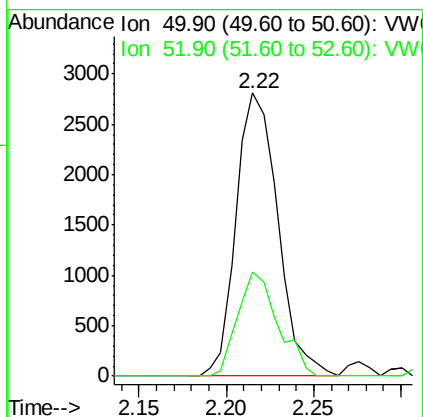
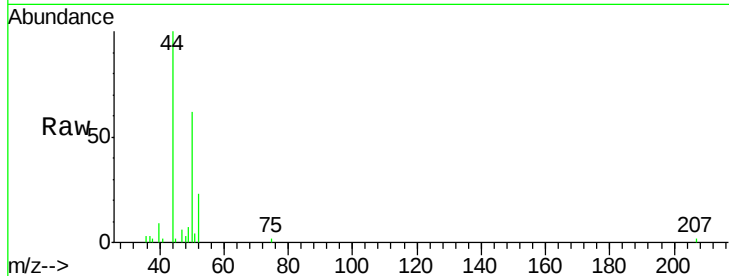
52 37.0 25.5 38.3

Manual Integrations

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1/25/2018 1:33:54 PM



#4

Vinyl Chloride

Concen: 2.10 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW000942.D

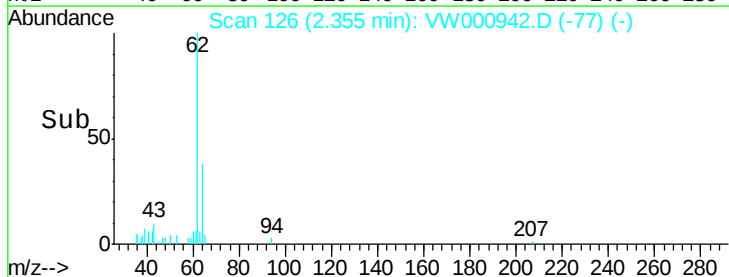
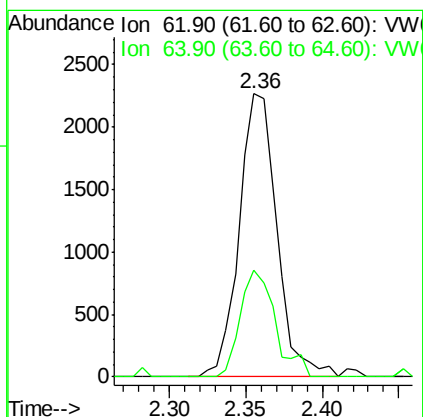
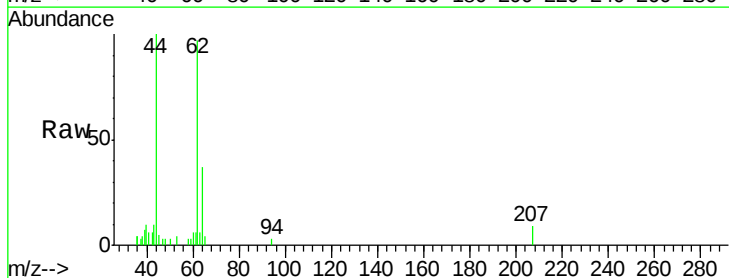
Acq: 24 Jan 2018 12:21

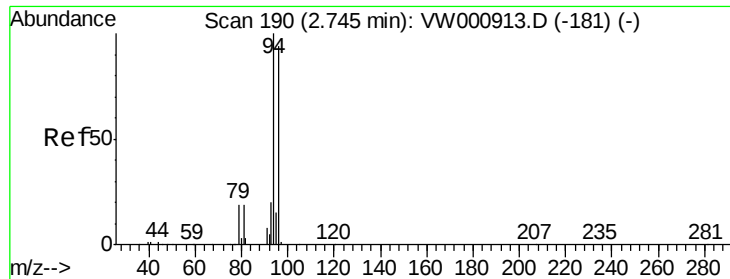
Tgt Ion: 62 Resp: 3877

Ion Ratio Lower Upper

62 100

64 37.8 25.6 38.4





#5

Bromomethane

Concen: 2.76 ug/l

RT: 2.77 min Scan# 194

Delta R.T. 0.02 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA\_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

Tot Ion: 94 Resp: 3493

Ion Ratio Lower Upper

94 100

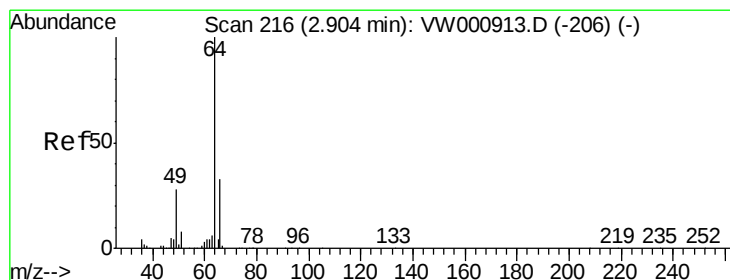
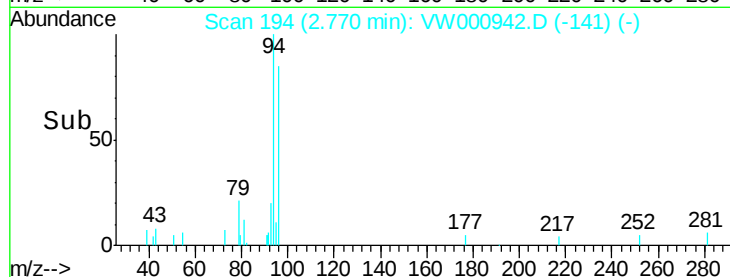
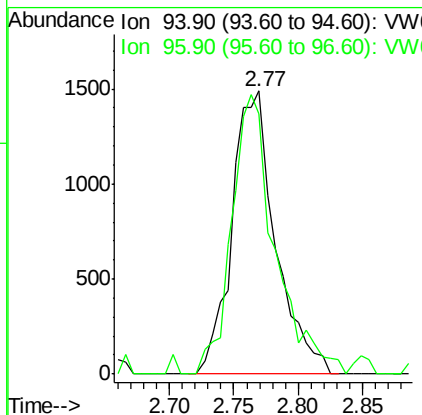
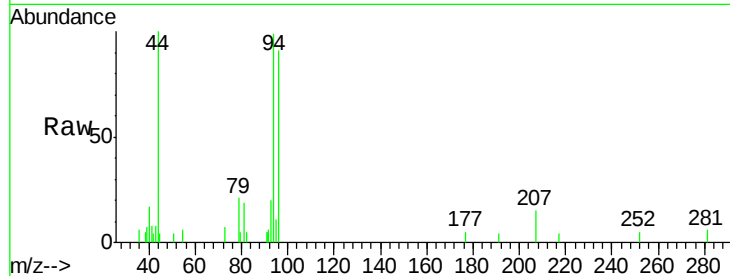
96 92.2 75.5 113.3

Manual Integrations

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1/25/2018 1:33:54 PM



#6

Chloroethane

Concen: 2.15 ug/l

RT: 2.92 min Scan# 218

Delta R.T. 0.01 min

Lab File: VW000942.D

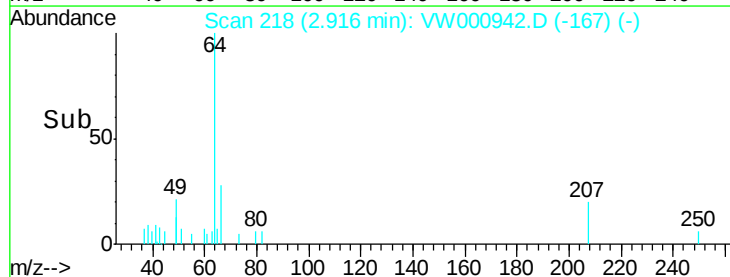
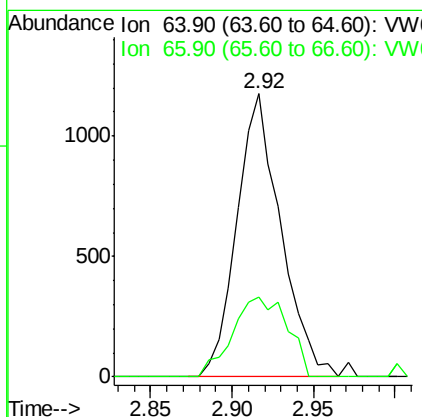
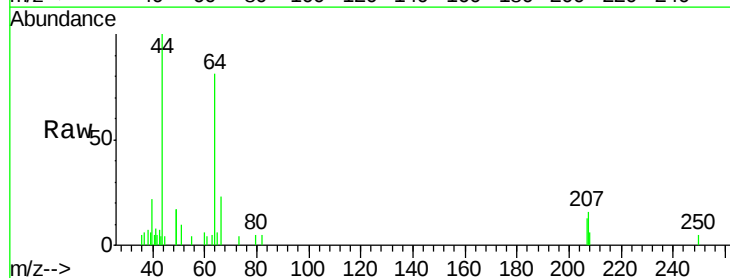
Acq: 24 Jan 2018 12:21

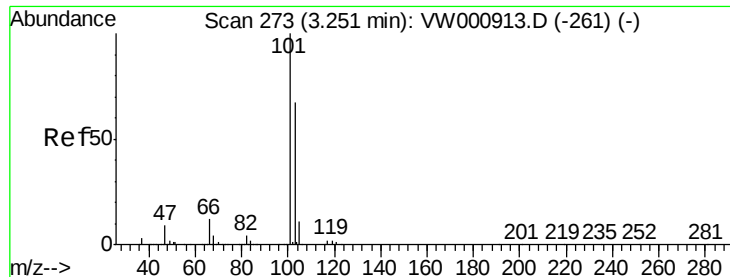
Tgt Ion: 64 Resp: 2204

Ion Ratio Lower Upper

64 100

66 28.3 26.1 39.1





#7

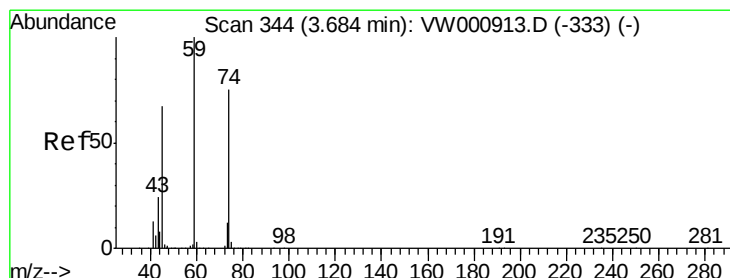
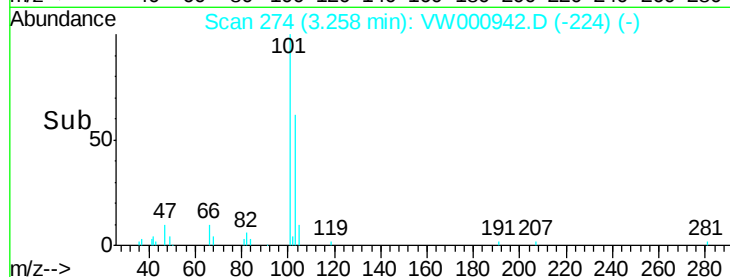
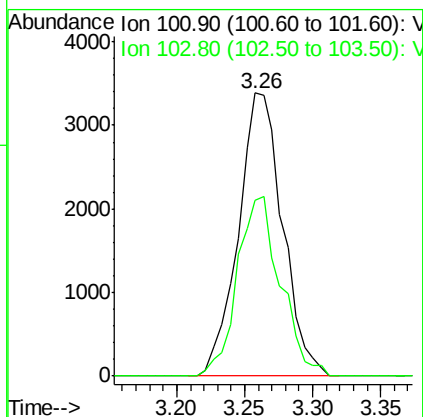
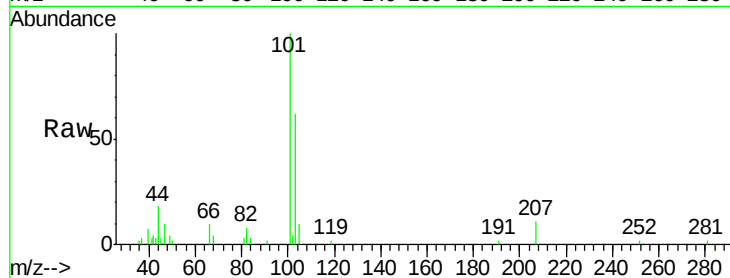
Trichlorofluoromethane  
Concen: 2.27 ug/l  
RT: 3.26 min Scan# 274  
Delta R.T. 0.01 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 62.0  | 53.4  | 80.0  |

Manual Integrations  
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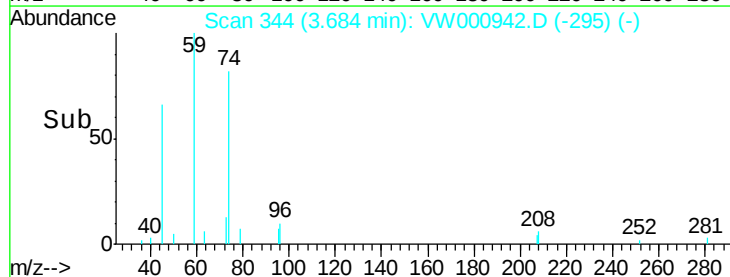
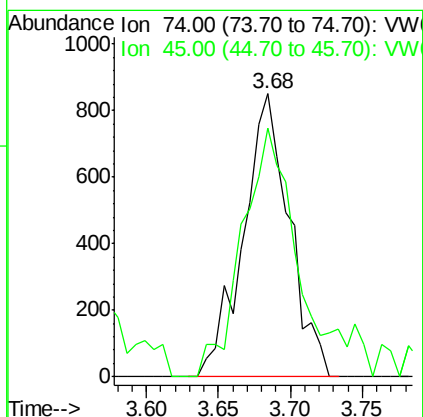
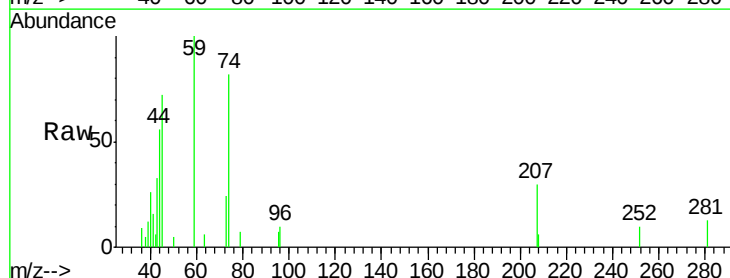
MMDadoda  
1/25/2018 1:33:54 PM

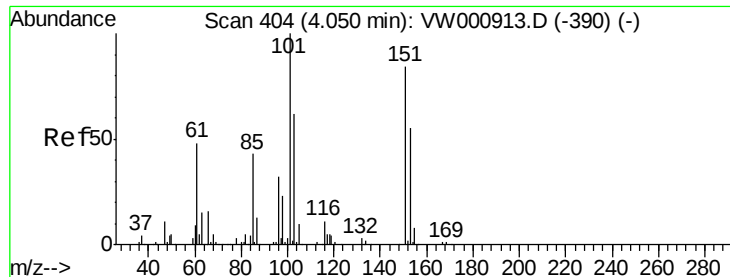


#8

Diethyl Ether  
Concen: 2.21 ug/l  
RT: 3.68 min Scan# 344  
Delta R.T. 0.00 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 109.9 | 44.7  | 134.1 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.10 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA\_W

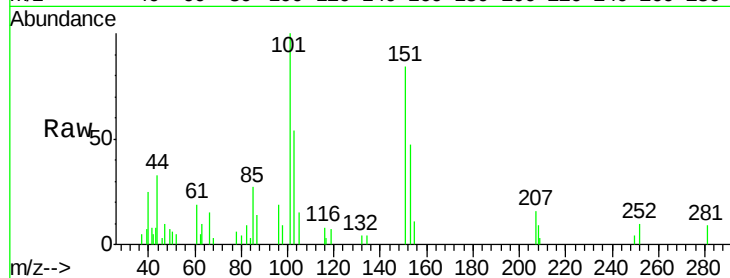
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

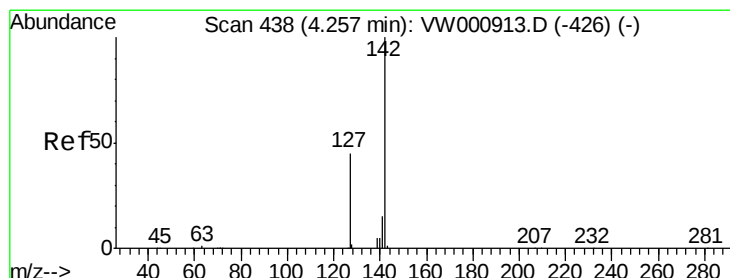
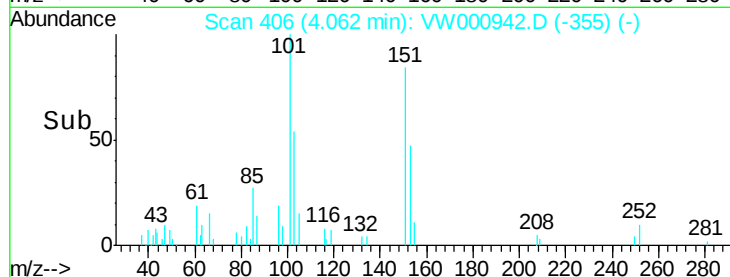
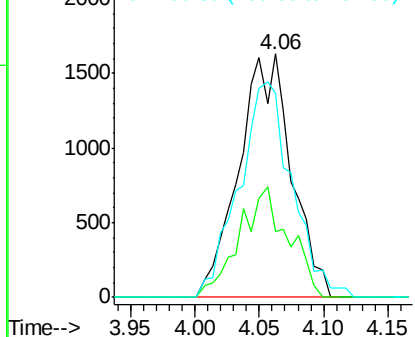
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 4617  |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 42.1  | 35.3  | 52.9  |
| 151       | 89.5  | 69.9  | 104.9 |

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Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): V  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 6.18 ug/l

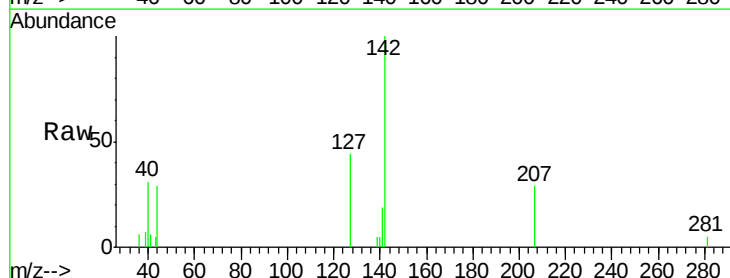
RT: 4.26 min Scan# 439

Delta R.T. 0.01 min

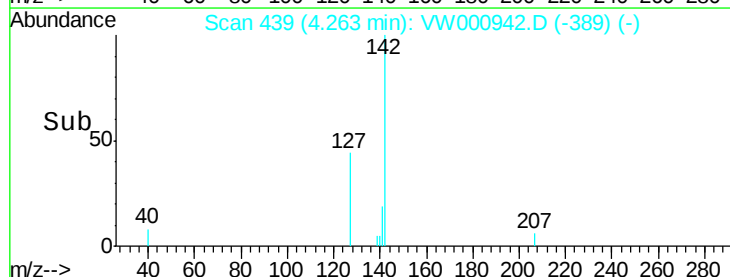
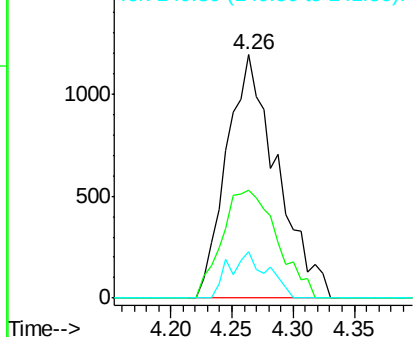
Lab File: VW000942.D

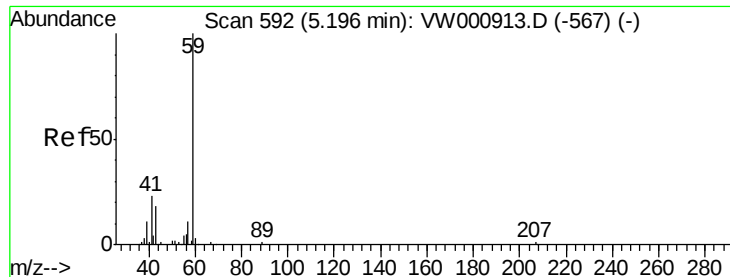
Acq: 24 Jan 2018 12:21

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 142   | Resp: | 3419 |
| Ion Ratio | Lower | Upper |      |
| 142       | 100   |       |      |
| 127       | 48.5  | 35.5  | 53.3 |
| 141       | 14.4  | 11.7  | 17.5 |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





#11

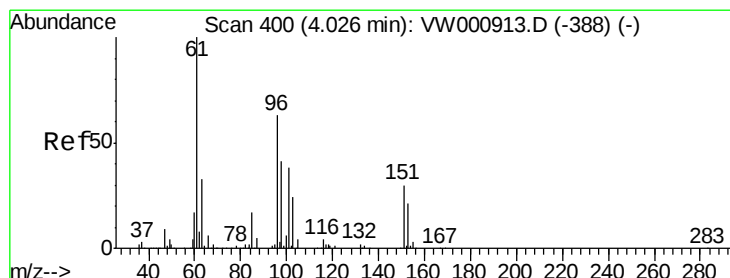
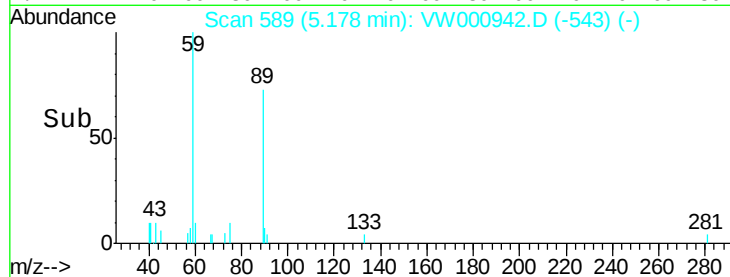
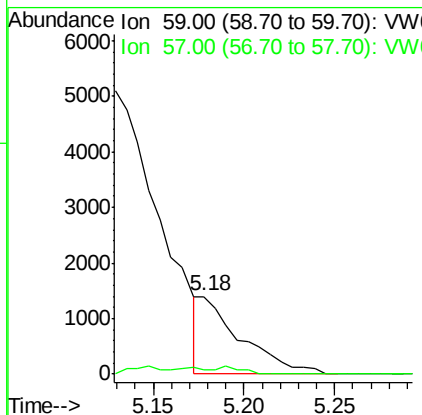
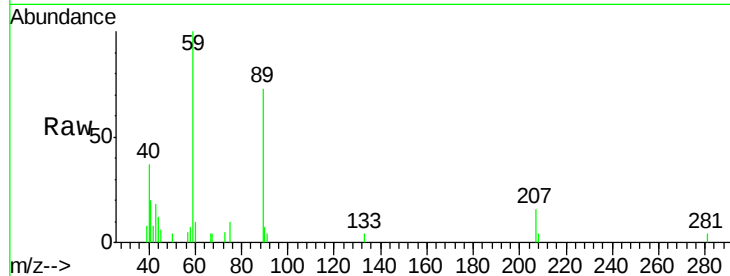
Tert butyl alcohol  
 Concen: 9.19 ug/l m  
 RT: 5.18 min Scan# 589  
 Delta R.T. -0.02 min  
 Lab File: VW000942.D  
 Acq: 24 Jan 2018 12:21

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 7.4   | 7.0   | 10.6  |

Manual Integrations  
 APPROVED

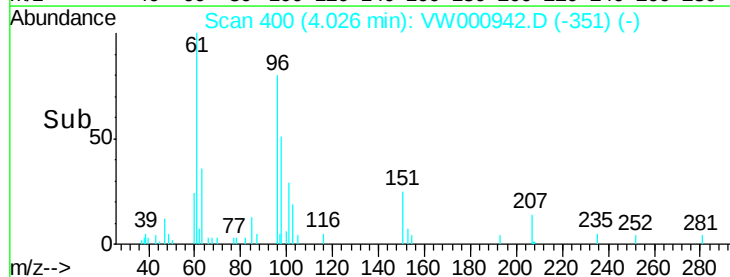
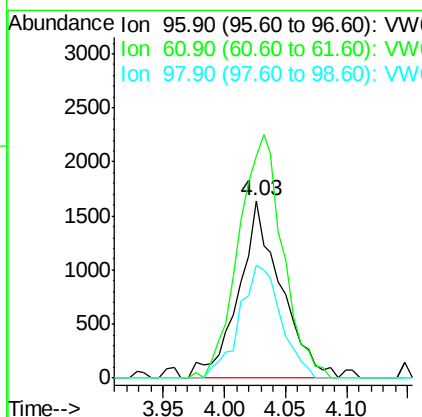
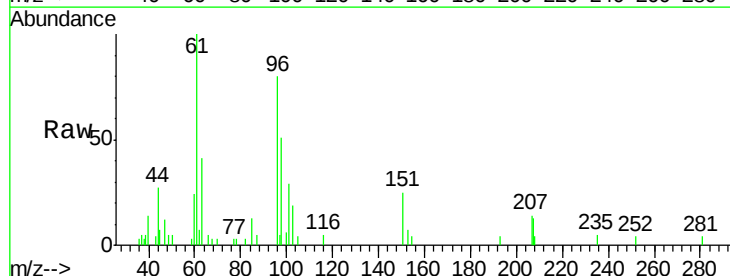
MMDadoda  
 1/25/2018 1:33:54 PM

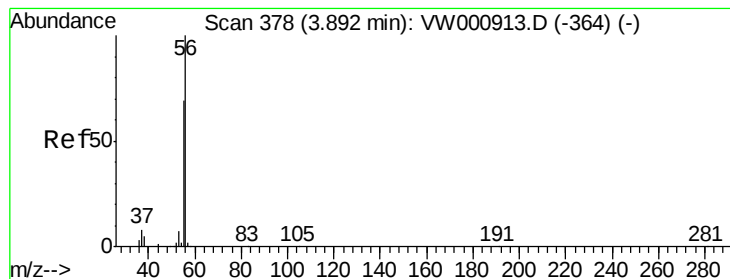


#12

1,1-Dichloroethene  
 Concen: 2.08 ug/l  
 RT: 4.03 min Scan# 400  
 Delta R.T. 0.00 min  
 Lab File: VW000942.D  
 Acq: 24 Jan 2018 12:21

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 96      | 100   |       |        |
| 61      | 124.9 | 126.7 | 190.1# |
| 98      | 64.0  | 52.1  | 78.1   |





#13

Acrolein

Concen: 6.87 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.01 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA\_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

Tot Ion: 56 Resp: 1624

Ion Ratio Lower Upper

56 100

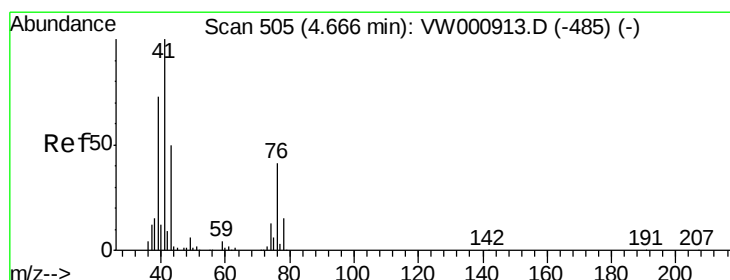
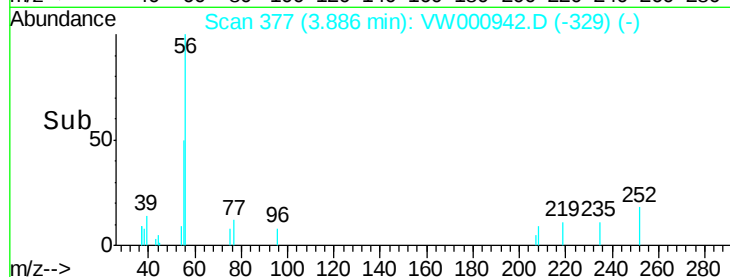
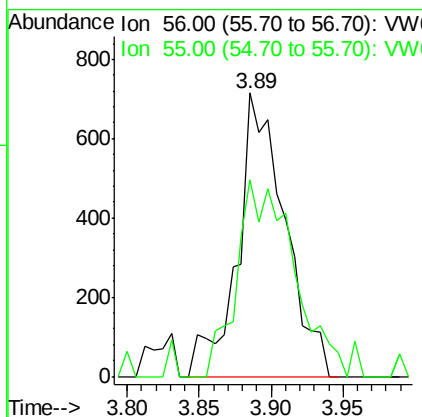
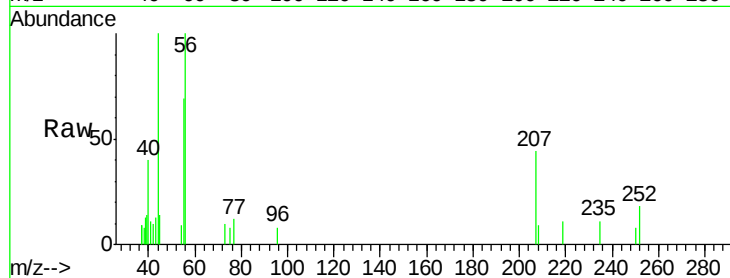
55 83.8 55.4 83.0#

Manual Integrations

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MMDadoda

1/25/2018 1:33:54 PM



#14

Allyl chloride

Concen: 2.03 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.01 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

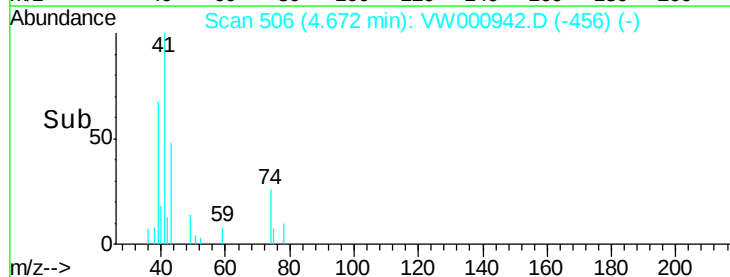
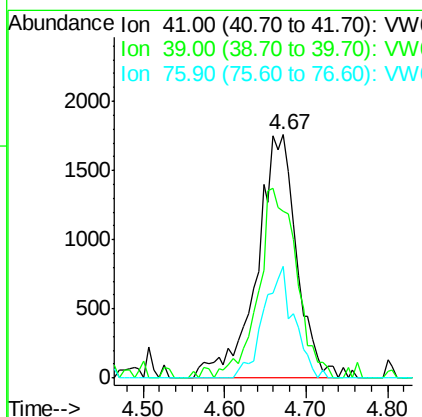
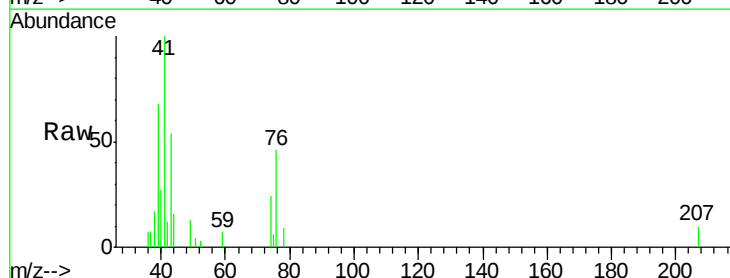
Tgt Ion: 41 Resp: 5957

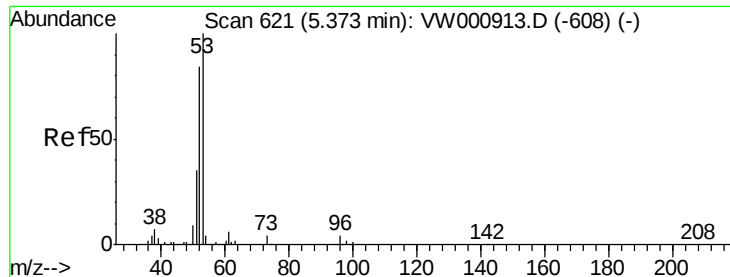
Ion Ratio Lower Upper

41 100

39 74.6 55.3 82.9

76 35.4 29.9 44.9





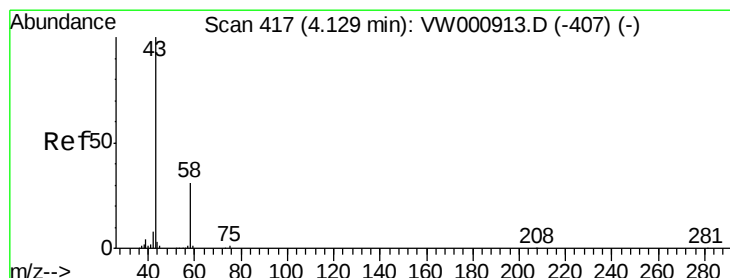
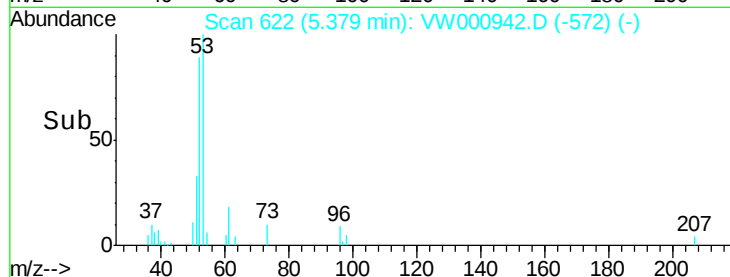
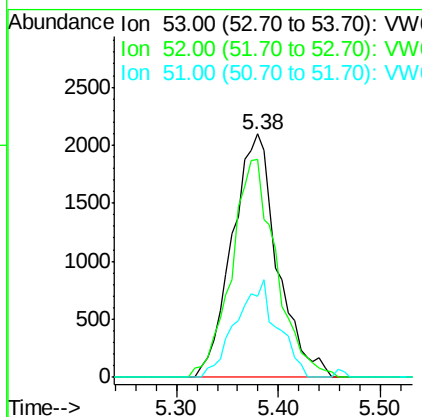
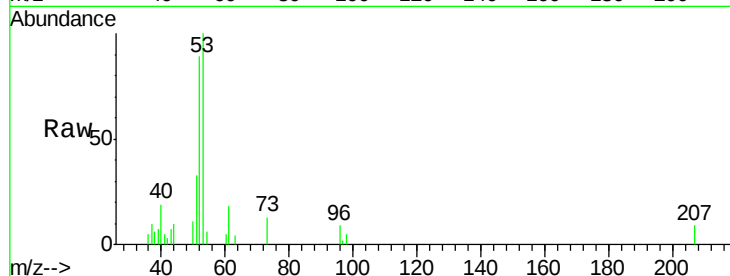
#15  
 Acrylonitrile  
 Concen: 9.71 ug/l  
 RT: 5.38 min Scan# 622  
 Delta R.T. 0.01 min  
 Lab File: VW000942.D  
 Acq: 24 Jan 2018 12:21

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2018

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 6461  |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 88.5  | 66.6  | 99.8  |
| 51       | 36.5  | 29.4  | 44.0  |

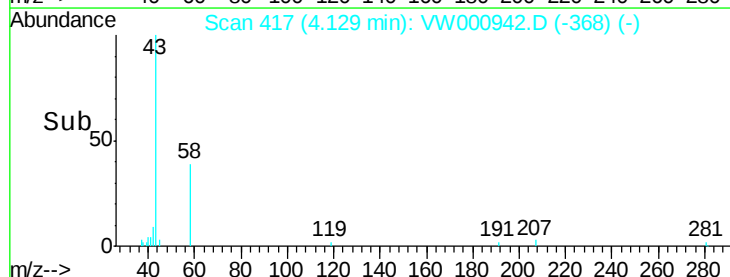
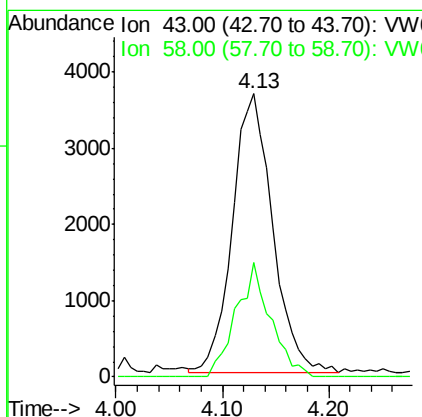
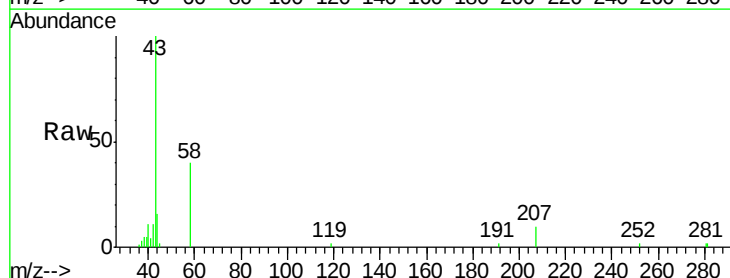
Manual Integrations  
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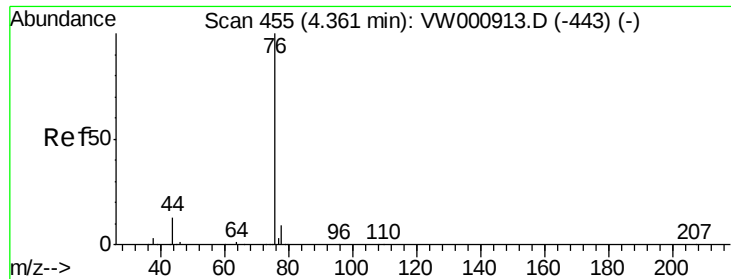
MMDadoda  
 1/25/2018 1:33:54 PM



#16  
 Acetone  
 Concen: 27.23 ug/l  
 RT: 4.13 min Scan# 417  
 Delta R.T. 0.00 min  
 Lab File: VW000942.D  
 Acq: 24 Jan 2018 12:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 9751  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 40.9  | 24.9  | 37.3# |





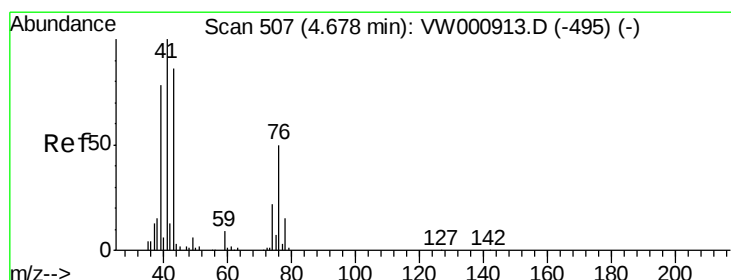
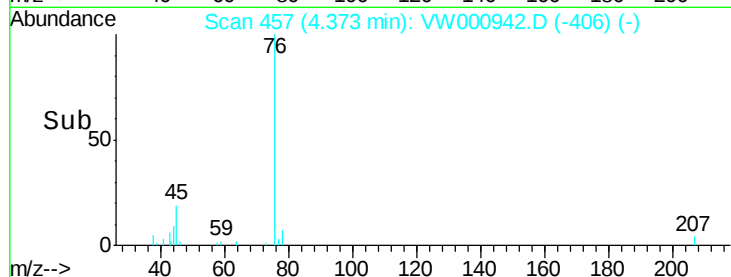
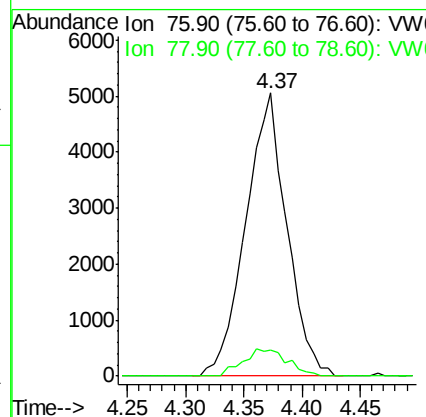
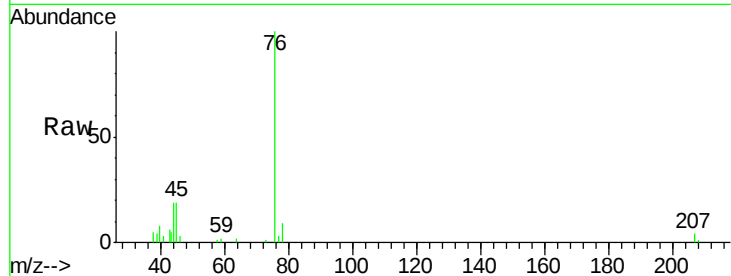
#17  
Carbon Disulfide  
Concen: 1.99 ug/l  
RT: 4.37 min Scan# 457  
Delta R.T. 0.01 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.4   | 7.4   | 11.2  |

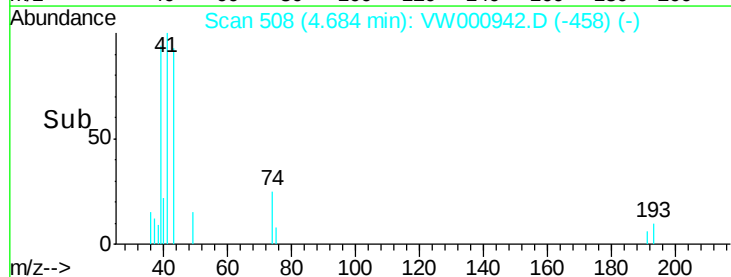
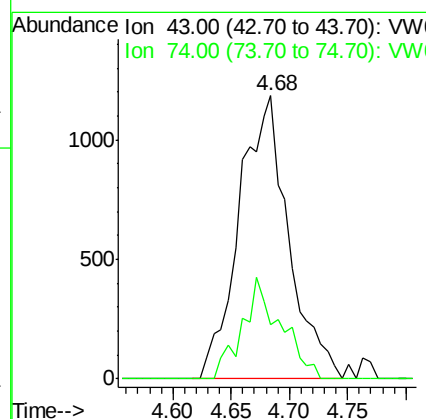
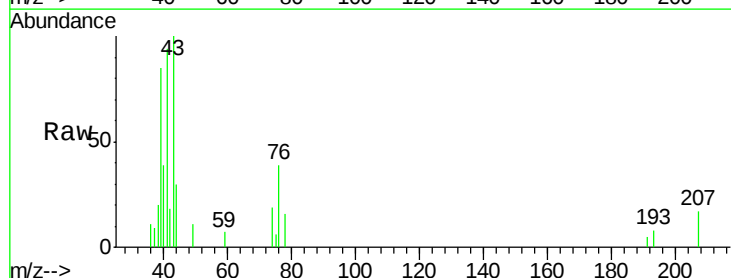
Manual Integrations  
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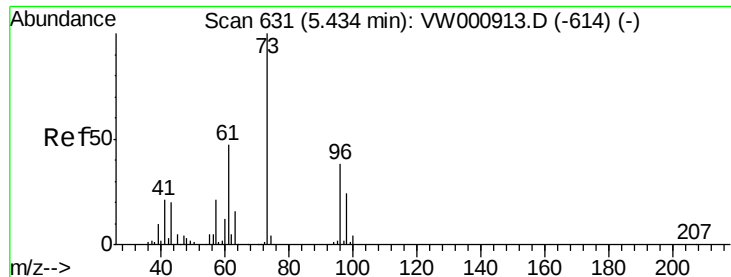
MMDadoda  
1/25/2018 1:33:54 PM



#18  
Methyl Acetate  
Concen: 2.13 ug/l  
RT: 4.68 min Scan# 508  
Delta R.T. 0.01 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 27.7  | 20.5  | 30.7  |





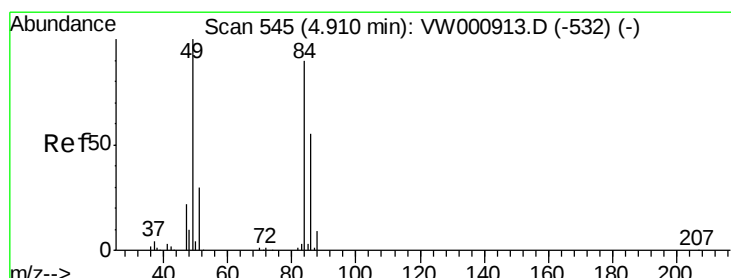
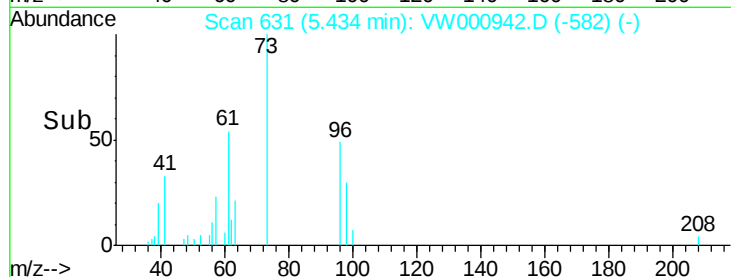
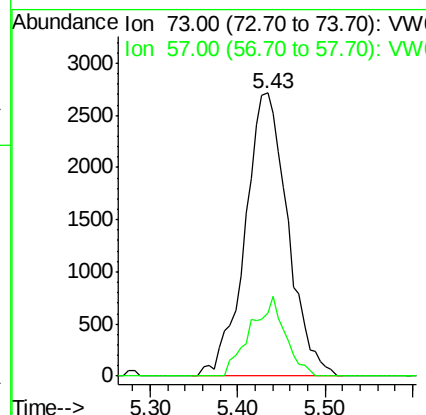
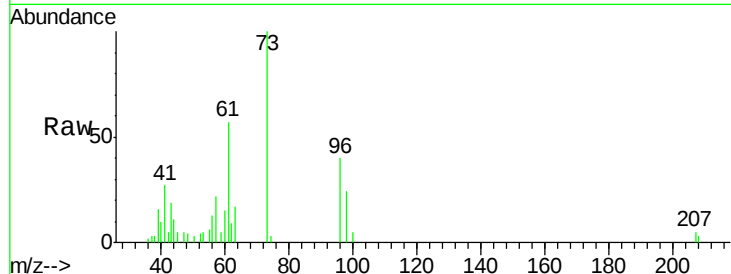
#19  
Methvl tert-butvl Ether  
Concen: 1.90 ug/l  
RT: 5.43 min Scan# 631  
Delta R.T. 0.00 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2018

Tot Ion: 73 Resp: 9231  
Ion Ratio Lower Upper  
73 100  
57 22.4 16.7 25.1

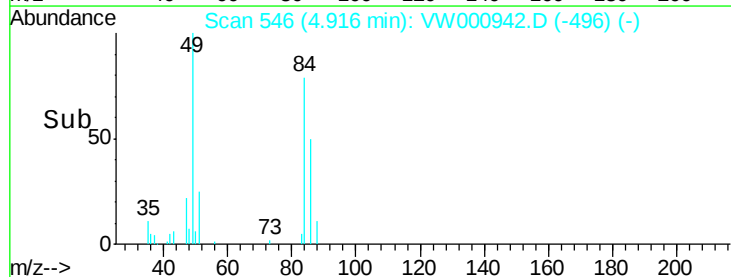
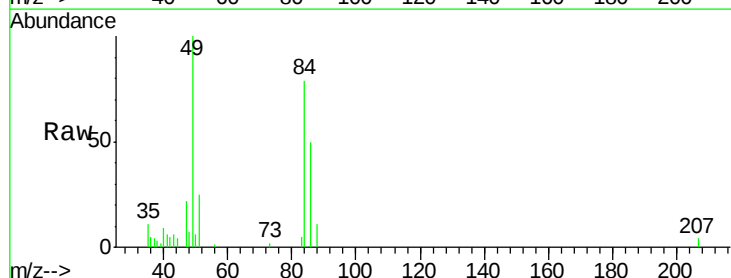
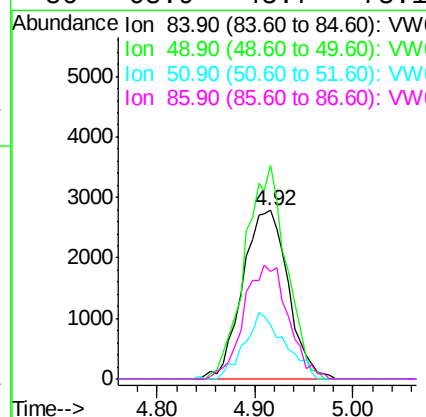
Manual Integrations  
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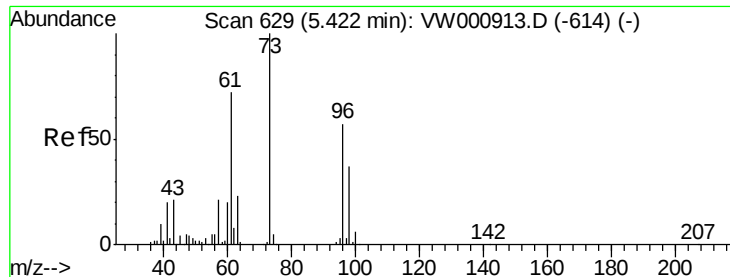
MMDadoda  
1/25/2018 1:33:54 PM



#20  
Methylene Chloride  
Concen: 1.57 ug/l  
RT: 4.92 min Scan# 546  
Delta R.T. 0.01 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

Tgt Ion: 84 Resp: 8992  
Ion Ratio Lower Upper  
84 100  
49 126.8 89.0 133.4  
51 31.8 26.7 40.1  
86 63.9 48.7 73.1





#21

trans-1,2-Dichloroethene

Concen: 2.03 ug/l

RT: 5.42 min Scan# 628

Delta R.T. -0.01 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA\_W

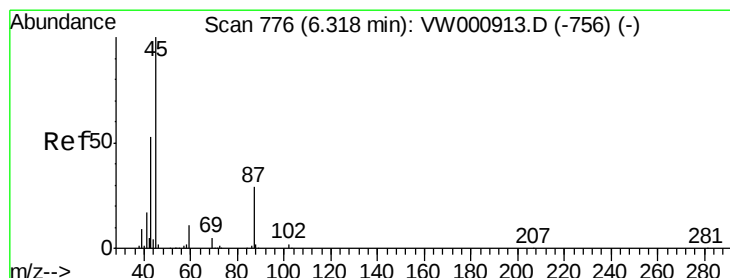
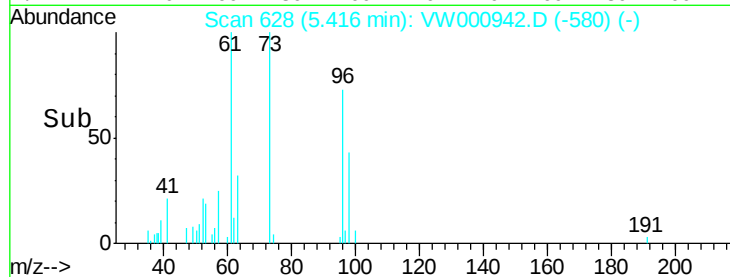
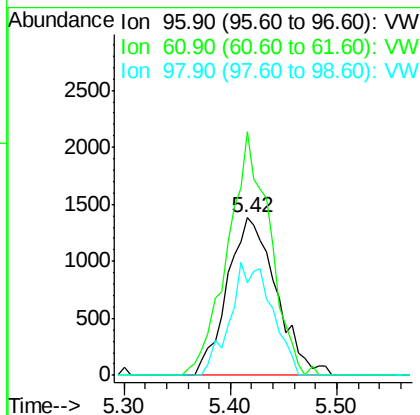
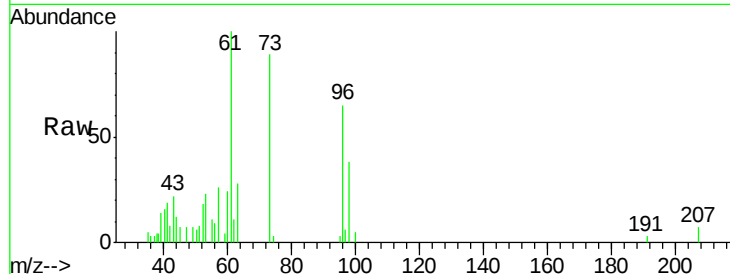
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 4452   |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 154.7 | 101.1 | 151.7# |
| 98       | 58.6  | 52.2  | 78.2   |

Manual Integrations  
APPROVED

MMDadoda  
1/25/2018 1:33:54 PM



#22

Diisopropyl ether

Concen: 1.63 ug/l

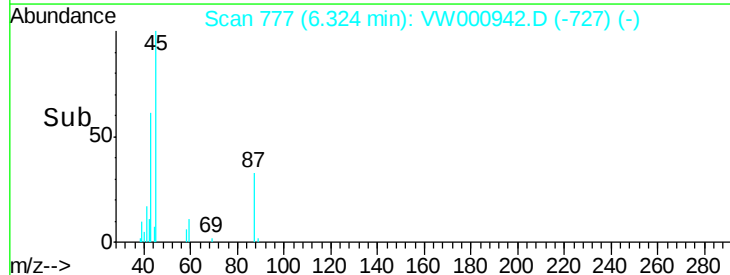
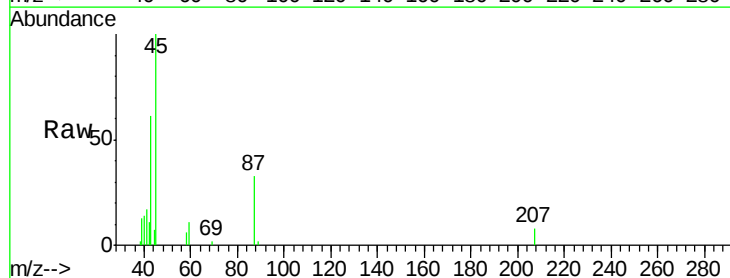
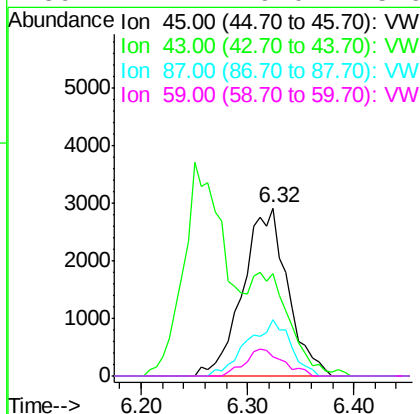
RT: 6.32 min Scan# 777

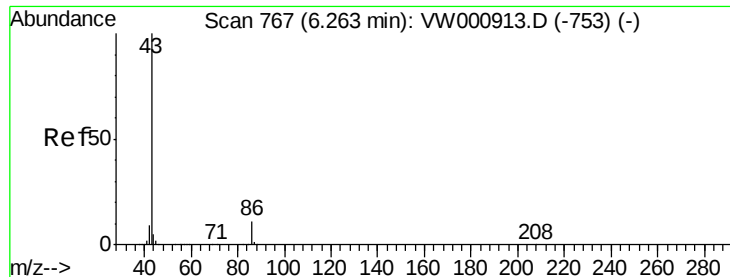
Delta R.T. 0.01 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 8564  |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 57.8  | 42.7  | 64.1  |
| 87       | 33.3  | 23.8  | 35.8  |
| 59       | 11.2  | 9.0   | 13.6  |





#23

Vinyl Acetate

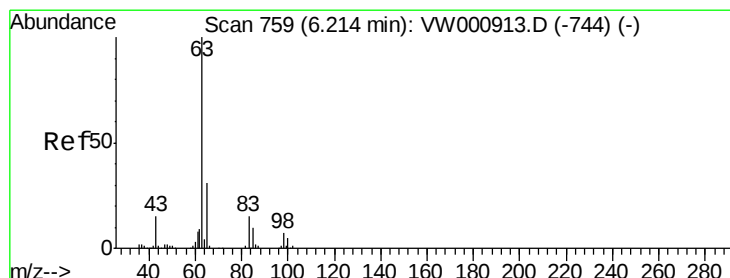
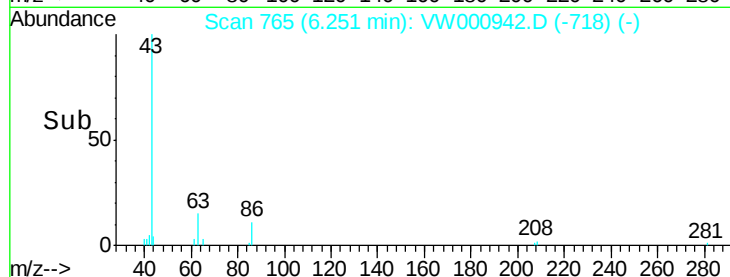
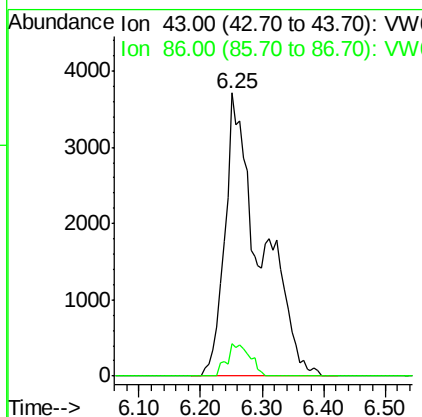
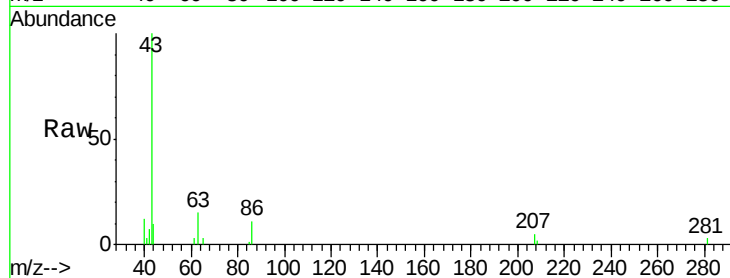
Concen: 4.54 ug/l m  
 RT: 6.25 min Scan# 765  
 Delta R.T. -0.01 min  
 Lab File: VW000942.D  
 Acq: 24 Jan 2018 12:21

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2018

| Tot Ion | 43    | Resp  | 14864 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 43      | 100   |       |       |
| 86      | 11.5  | 9.1   | 13.7  |

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 1/25/2018 1:33:54 PM

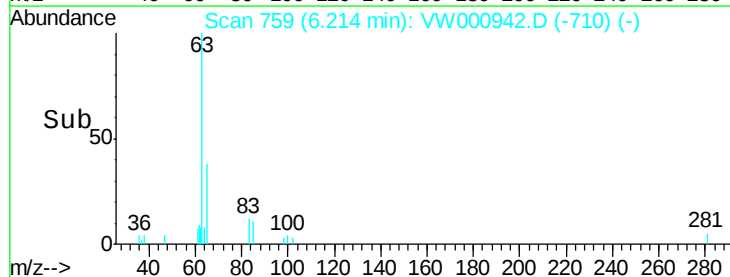
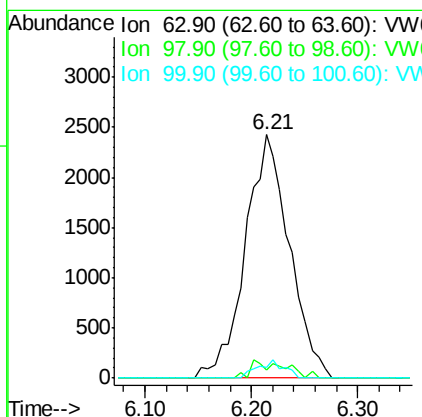
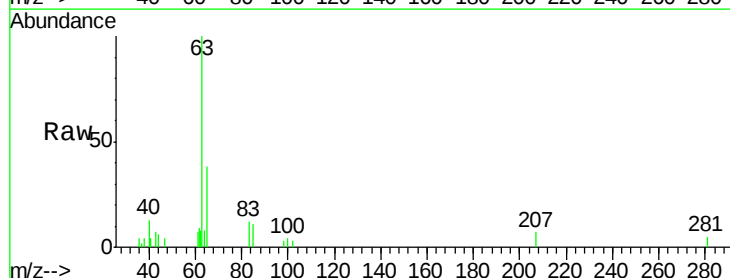


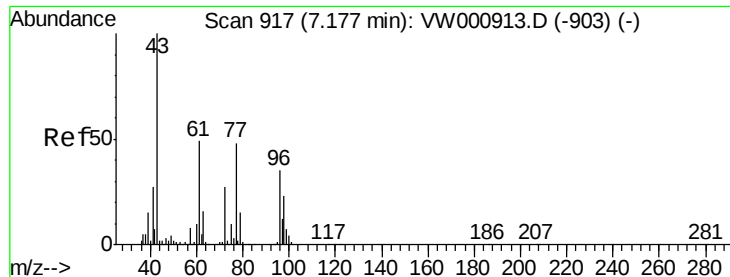
#24

1,1-Dichloroethane

Concen: 1.99 ug/l  
 RT: 6.21 min Scan# 759  
 Delta R.T. 0.00 min  
 Lab File: VW000942.D  
 Acq: 24 Jan 2018 12:21

| Tgt Ion | 63    | Resp  | 6996  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 63      | 100   |       |       |
| 98      | 3.1   | 3.6   | 10.8# |
| 100     | 4.3   | 2.5   | 7.4   |





#25

2-Butanone

Concen: 10.37 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA\_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

Tot Ion: 43 Resp: 10243

Ion Ratio Lower Upper

43 100

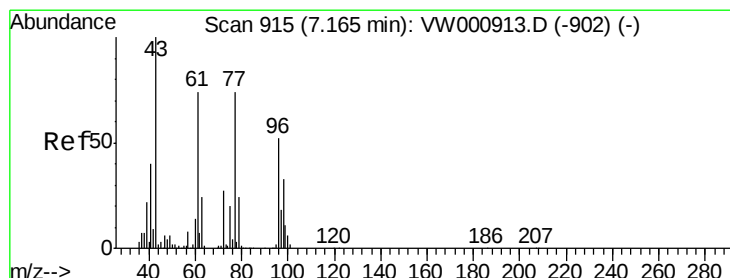
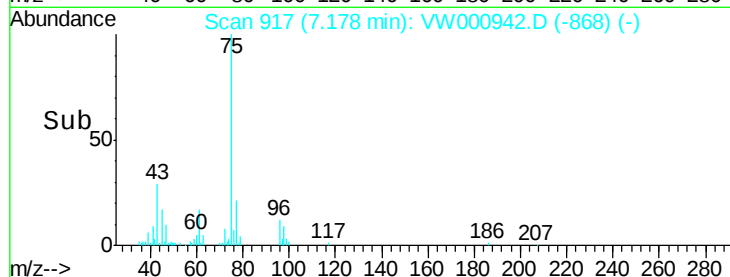
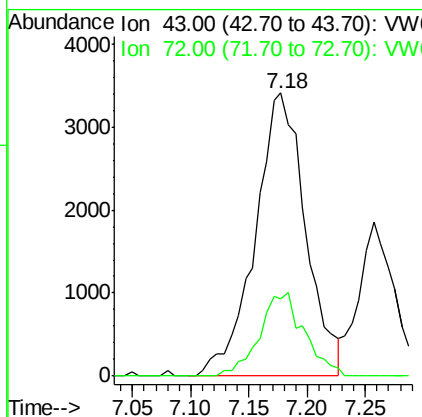
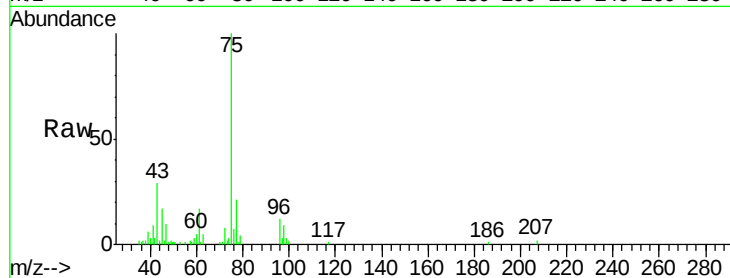
72 27.5 21.5 32.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 2.59 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW000942.D

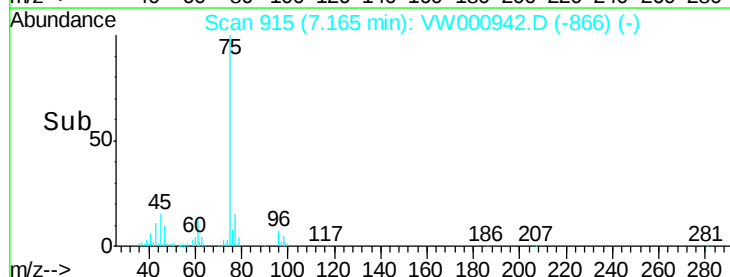
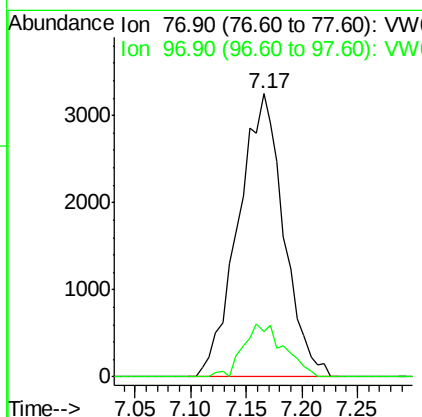
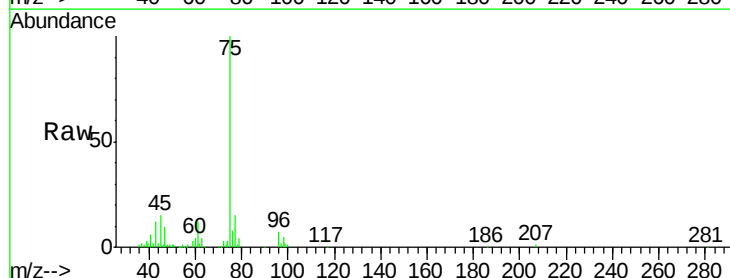
Acq: 24 Jan 2018 12:21

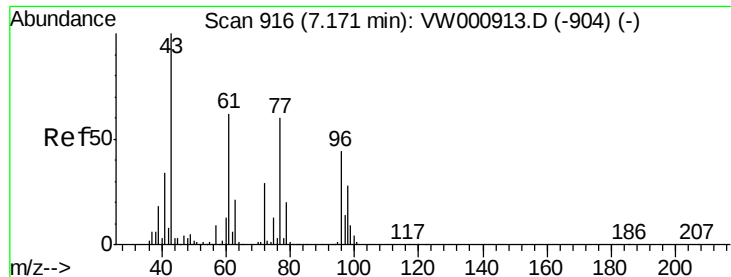
Tgt Ion: 77 Resp: 9251

Ion Ratio Lower Upper

77 100

97 16.8 11.8 35.3





#27

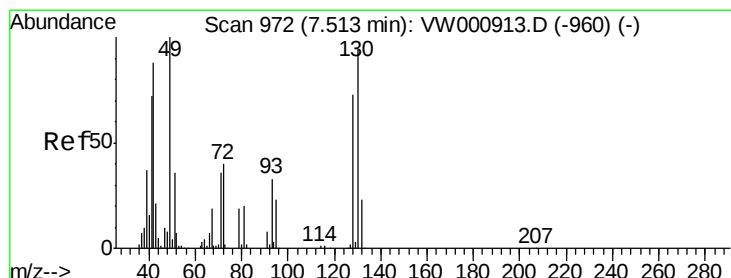
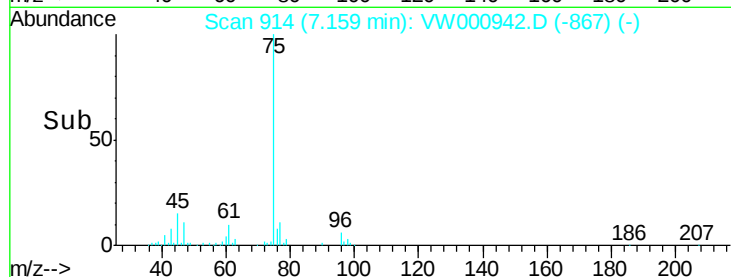
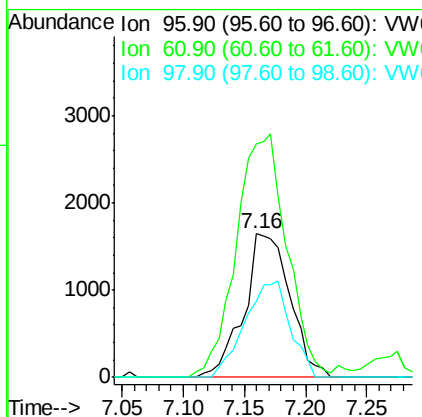
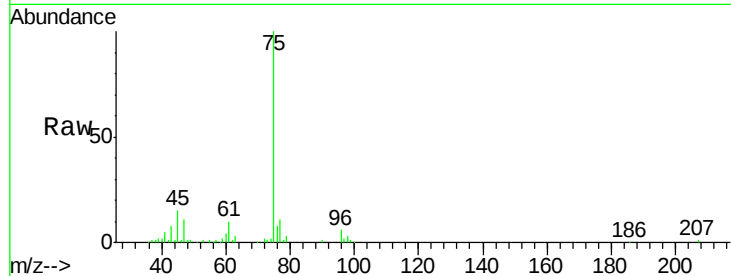
cis-1,2-Dichloroethene  
Concen: 1.91 ug/l  
RT: 7.16 min Scan# 914  
Delta R.T. -0.01 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 184.7 | 0.0   | 279.8 |
| 98      | 65.8  | 0.0   | 127.6 |

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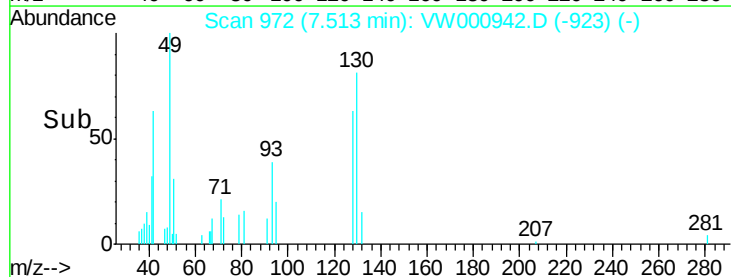
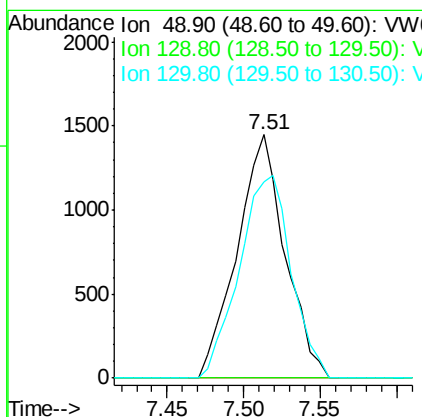
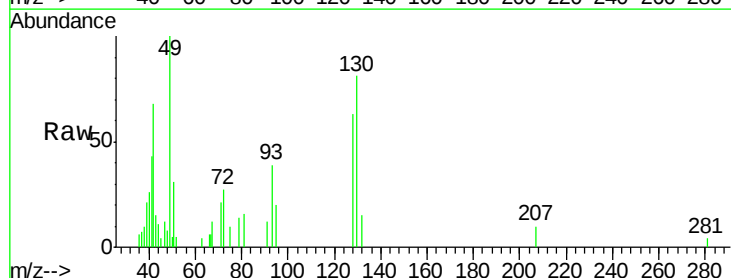
MMDadoda  
1/25/2018 1:33:54 PM

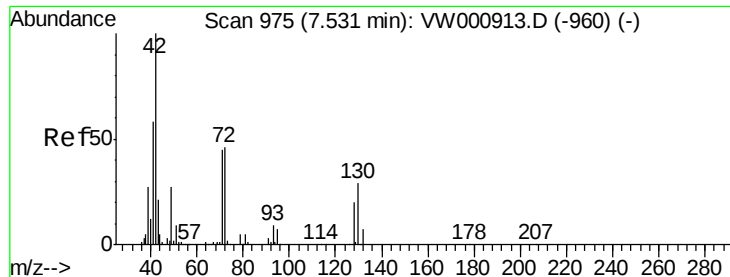


#28

Bromochloromethane  
Concen: 2.13 ug/l  
RT: 7.51 min Scan# 972  
Delta R.T. 0.00 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.0   | 0.0   | 2.8   |
| 130     | 90.3  | 73.8  | 110.6 |





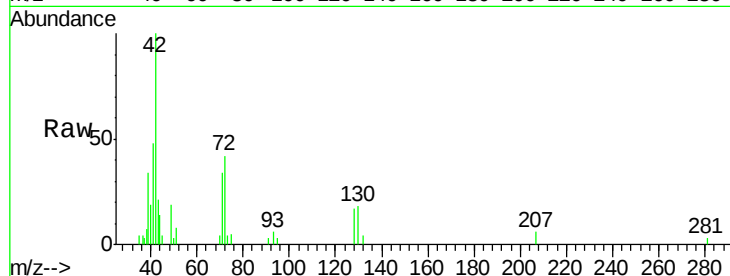
#29  
Tetrahydrofuran  
Concen: 9.25 ug/l  
RT: 7.54 min Scan# 976  
Delta R.T. 0.01 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2018

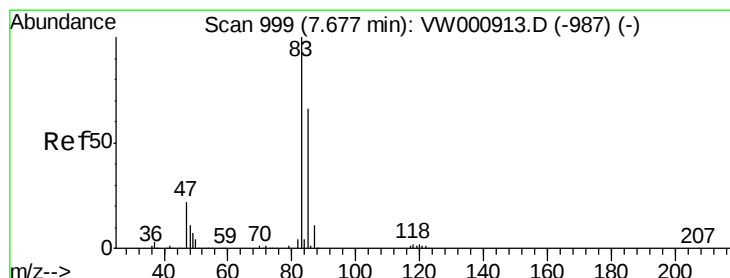
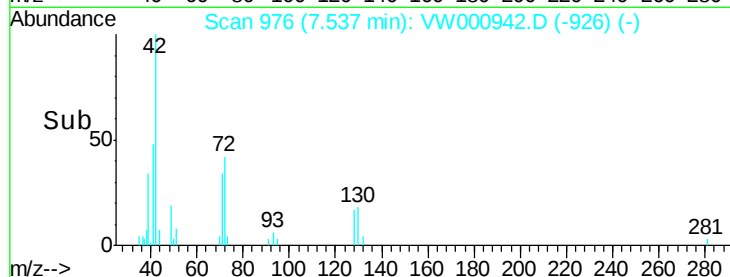
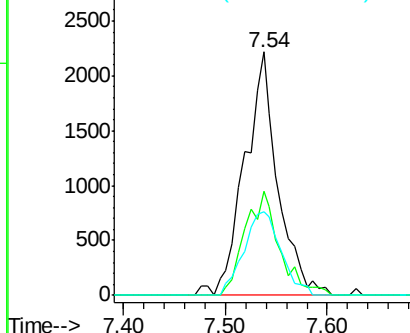
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.8  | 37.1  | 55.7  |
| 71      | 38.4  | 34.9  | 52.3  |

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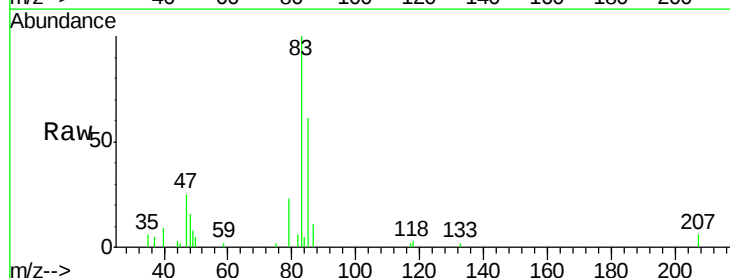


Abundance Ion 42.00 (41.70 to 42.70): VW  
Ion 72.00 (71.70 to 72.70): VW  
Ion 71.00 (70.70 to 71.70): VW

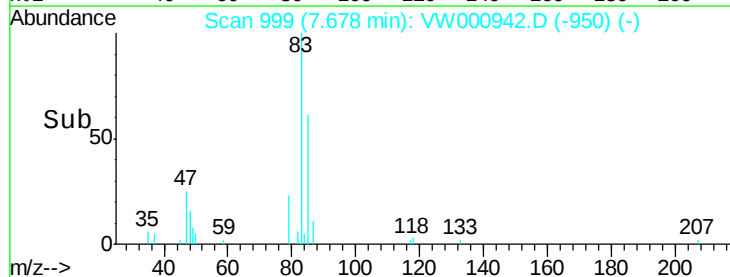
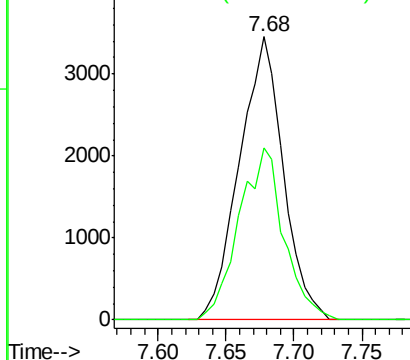


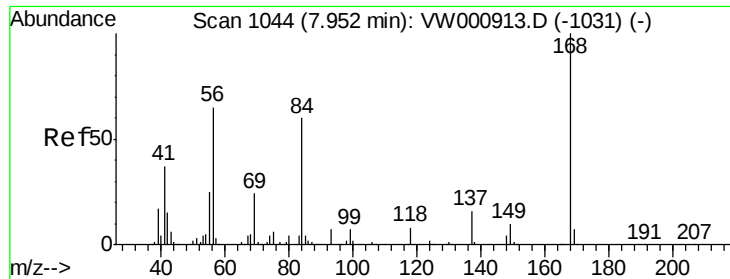
#30  
Chloroform  
Concen: 2.03 ug/l  
RT: 7.68 min Scan# 999  
Delta R.T. 0.00 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 60.7  | 52.5  | 78.7  |



Abundance Ion 82.90 (82.60 to 83.60): VW  
Ion 84.90 (84.60 to 85.60): VW





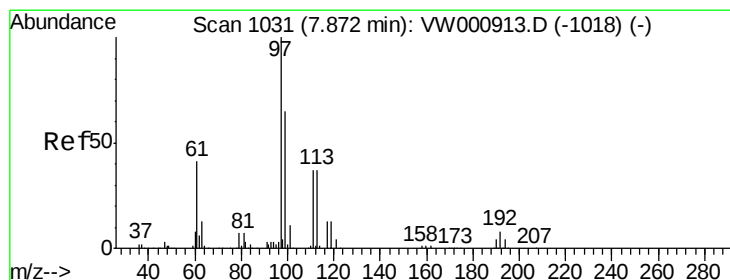
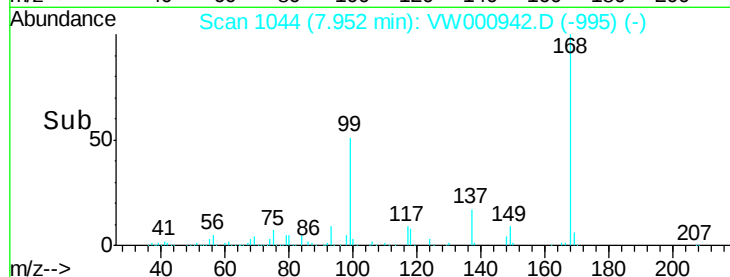
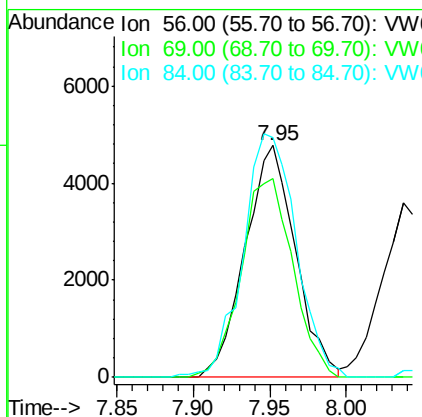
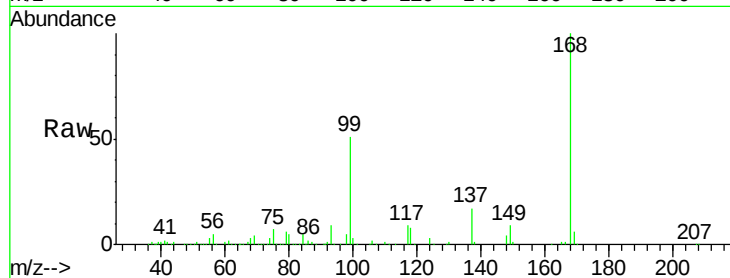
#31  
Cyclohexane  
Concen: 3.01 ug/l  
RT: 7.95 min Scan# 1044  
Delta R.T. 0.00 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 85.9  | 29.2  | 43.8# |
| 84      | 102.2 | 73.6  | 110.4 |

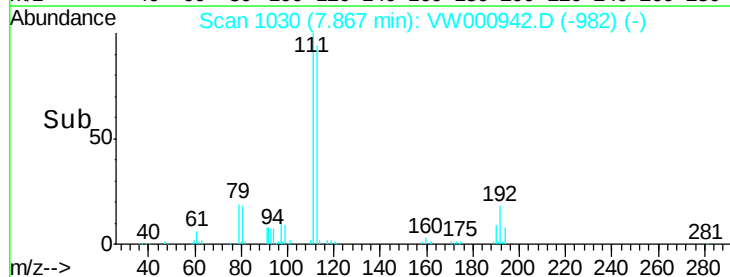
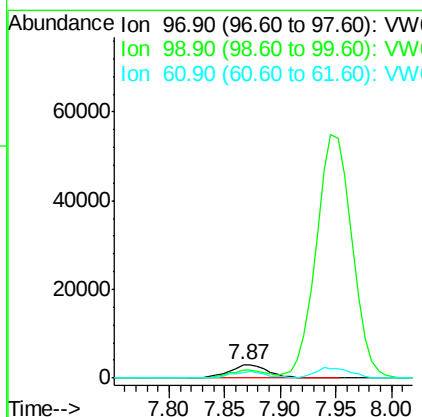
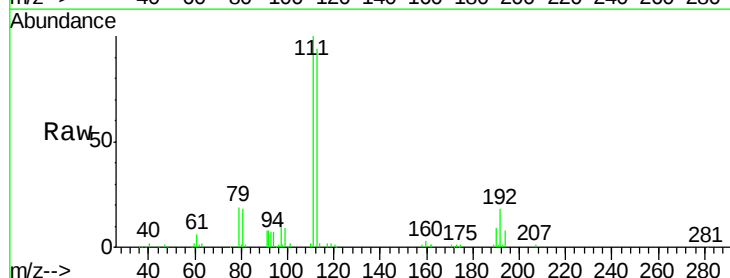
Manual Integrations  
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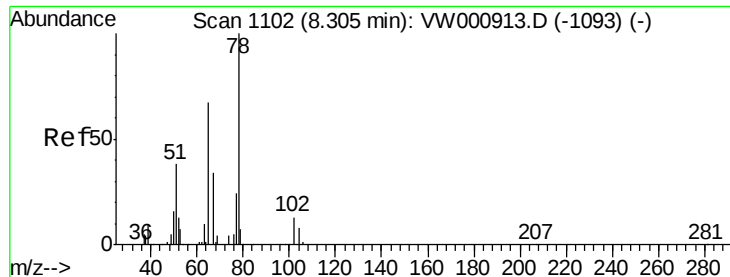
MMDadoda  
1/25/2018 1:33:54 PM



#32  
1,1,1-Trichloroethane  
Concen: 1.95 ug/l  
RT: 7.87 min Scan# 1030  
Delta R.T. -0.01 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 62.2  | 52.6  | 78.8  |
| 61      | 44.3  | 32.9  | 49.3  |





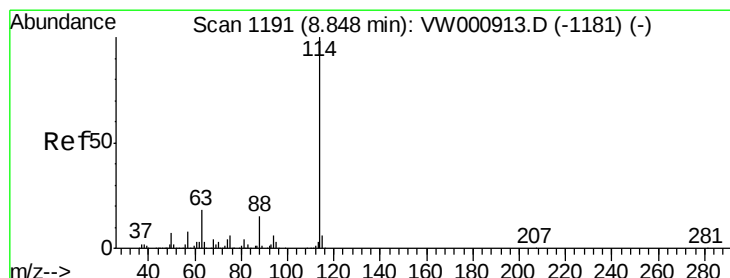
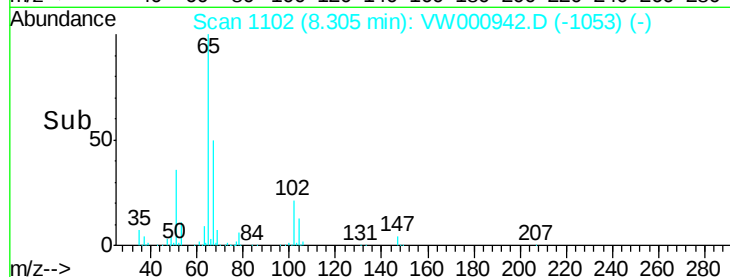
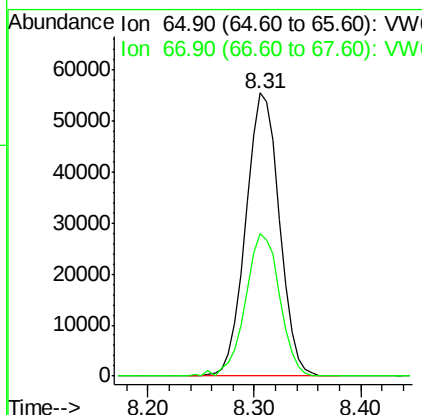
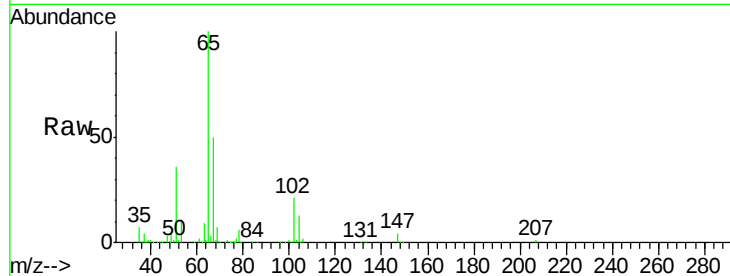
#33  
 1,2-Dichloroethane-d4  
 Concen: 55.31 ug/l  
 RT: 8.31 min Scan# 1102  
 Delta R.T. 0.00 min  
 Lab File: VW000942.D  
 Acq: 24 Jan 2018 12:21

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2018

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 51.3  | 0.0  | 105.8 |       |

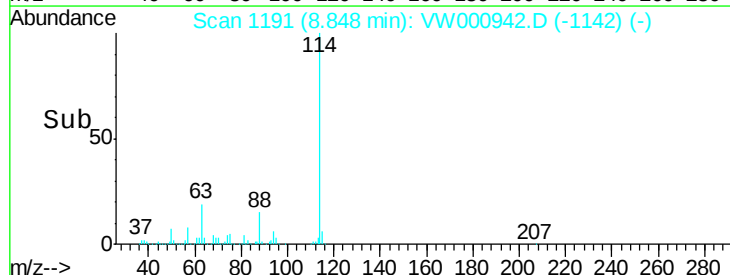
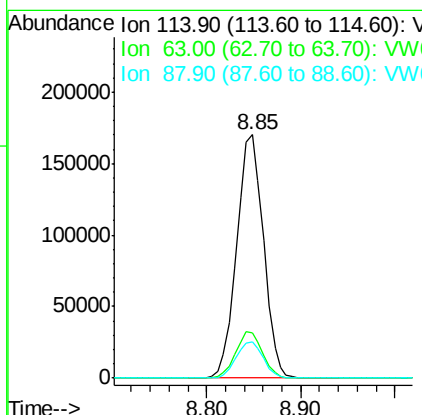
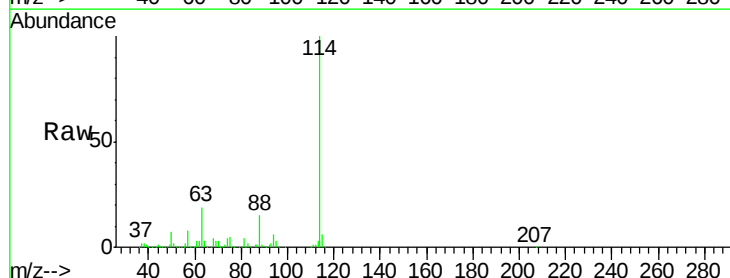
Manual Integrations  
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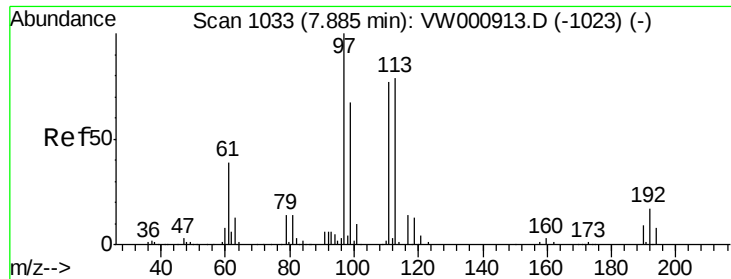
MMDadoda  
 1/25/2018 1:33:54 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.85 min Scan# 1191  
 Delta R.T. 0.00 min  
 Lab File: VW000942.D  
 Acq: 24 Jan 2018 12:21

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 18.7  | 0.0  | 36.8  |       |
| 88      | 15.1  | 0.0  | 29.8  |       |





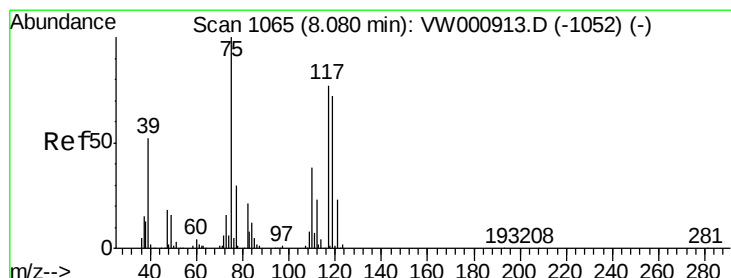
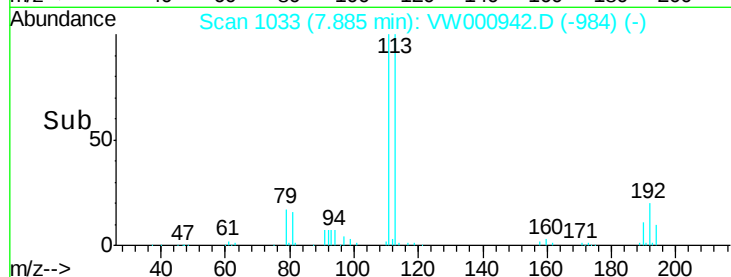
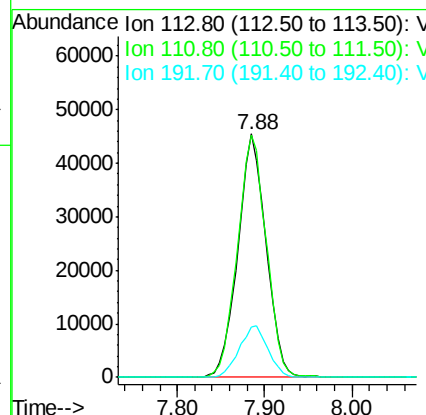
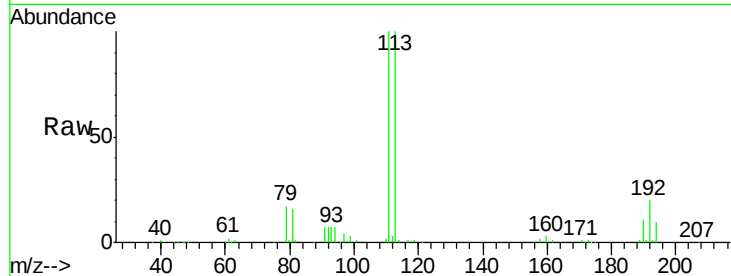
#35  
 Dibromofluoromethane  
 Concen: 49.54 ug/l  
 RT: 7.88 min Scan# 1033  
 Delta R.T. 0.00 min  
 Lab File: VW000942.D  
 Acq: 24 Jan 2018 12:21

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2018

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 101904 |       |       |
| 111     | 101.7 | 80.4   | 120.6 |       |
| 192     | 21.6  | 17.0   | 25.4  |       |

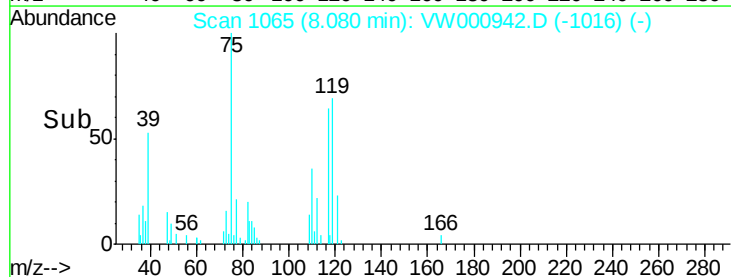
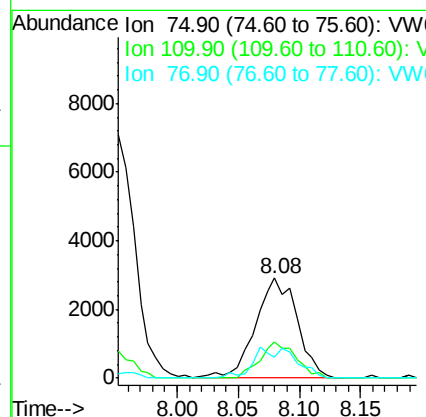
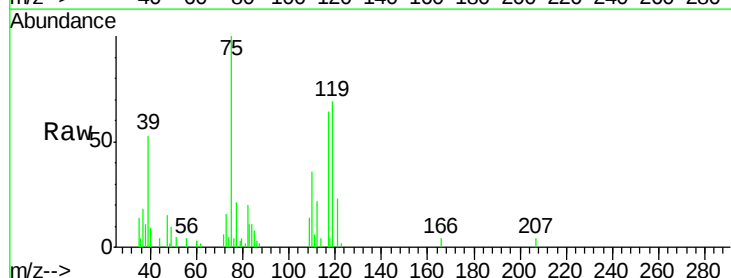
Manual Integrations  
 APPROVED

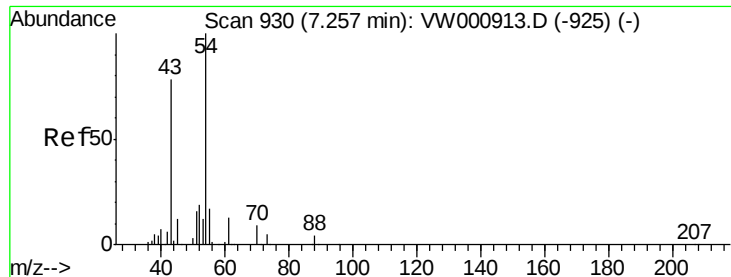
MMDadoda  
 1/25/2018 1:33:54 PM



#36  
 1,1-Dichloropropene  
 Concen: 2.16 ug/l  
 RT: 8.08 min Scan# 1065  
 Delta R.T. 0.00 min  
 Lab File: VW000942.D  
 Acq: 24 Jan 2018 12:21

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   | 6931 |       |       |
| 110     | 31.3  | 18.6 | 56.0  |       |
| 77      | 16.3  | 24.6 | 36.8# |       |





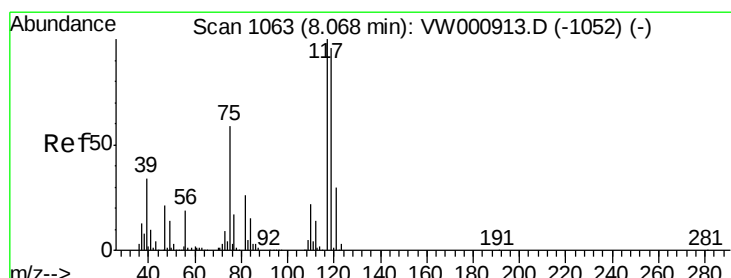
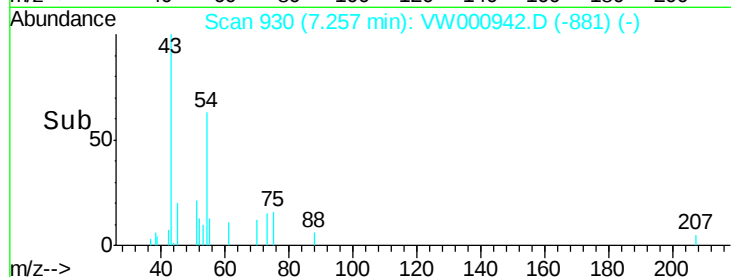
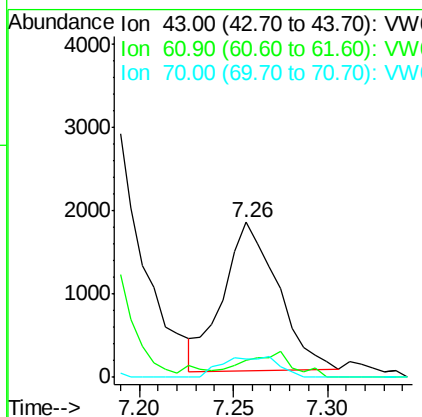
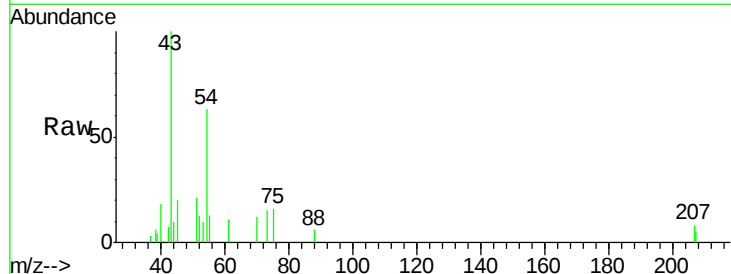
#37  
Ethyl Acetate  
Concen: 1.99 ug/l  
RT: 7.26 min Scan# 930  
Delta R.T. 0.00 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.3  | 12.1  | 18.1  |
| 70      | 14.2  | 9.1   | 13.7  |

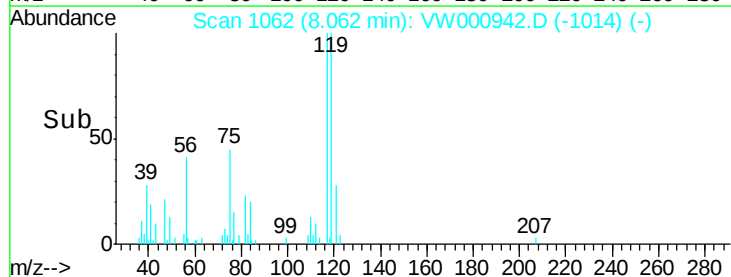
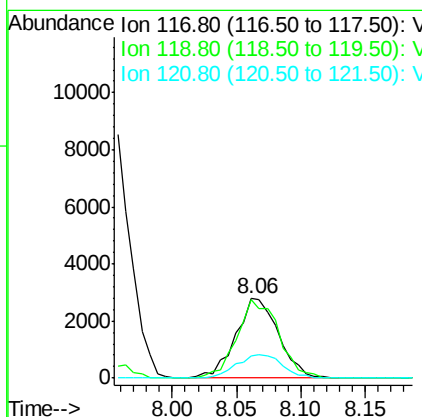
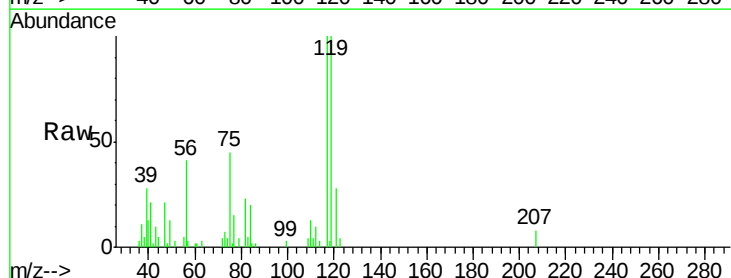
Manual Integrations  
APPROVED

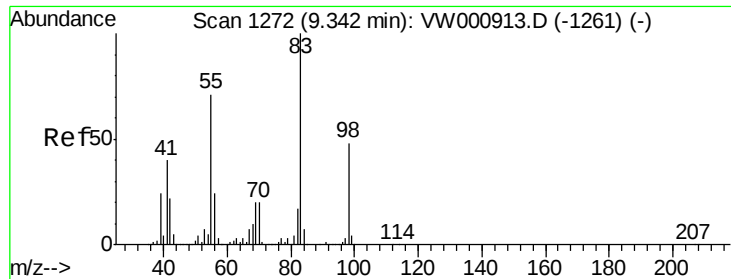
MMDadoda  
1/25/2018 1:33:54 PM



#38  
Carbon Tetrachloride  
Concen: 1.82 ug/l  
RT: 8.06 min Scan# 1062  
Delta R.T. -0.01 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 99.7  | 76.5  | 114.7 |
| 121     | 28.4  | 24.3  | 36.5  |





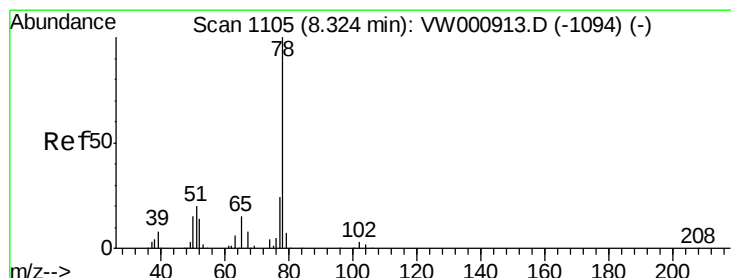
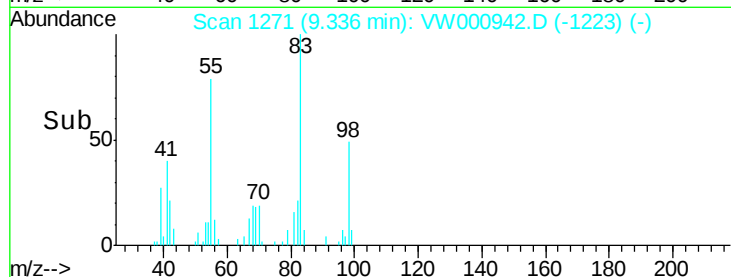
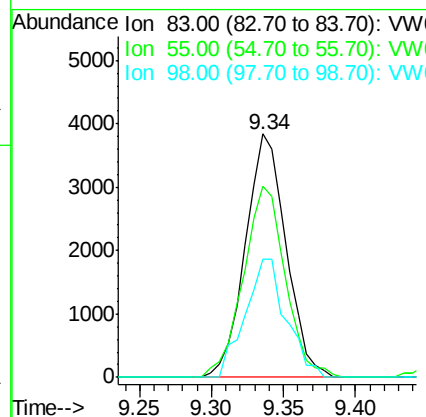
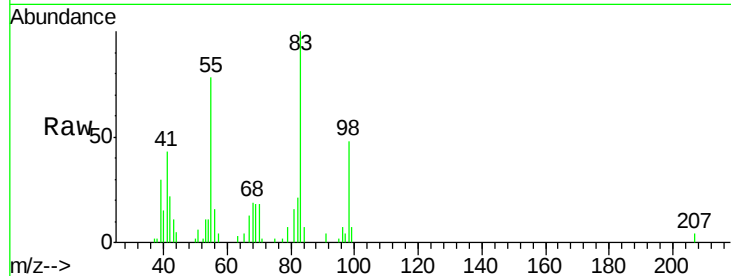
#39  
Methvlcvclohexane  
Concen: 1.94 ug/l  
RT: 9.34 min Scan# 1271  
Delta R.T. -0.01 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 78.3  | 56.4  | 84.6  |
| 98      | 48.5  | 38.2  | 57.4  |

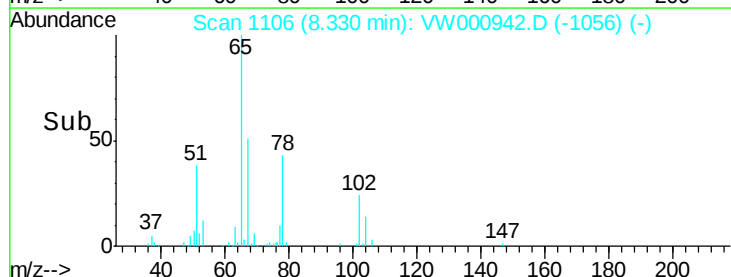
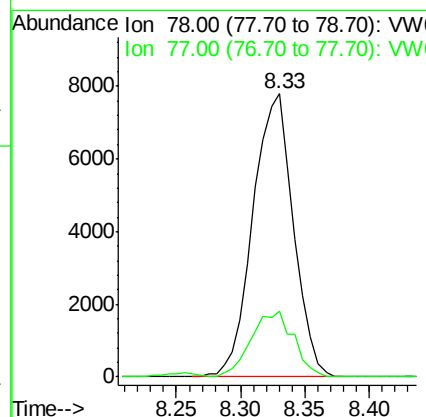
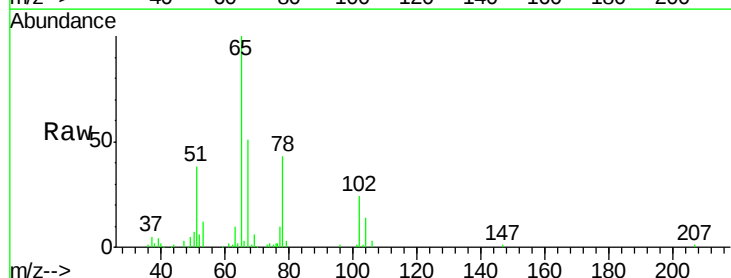
Manual Integrations  
APPROVED

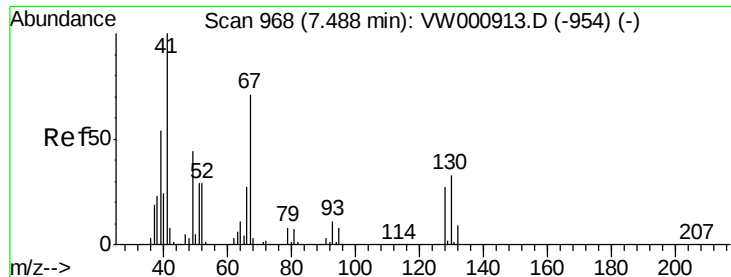
MMDadoda  
1/25/2018 1:33:54 PM



#40  
Benzene  
Concen: 1.95 ug/l  
RT: 8.33 min Scan# 1106  
Delta R.T. 0.01 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.3  | 19.0  | 28.6  |





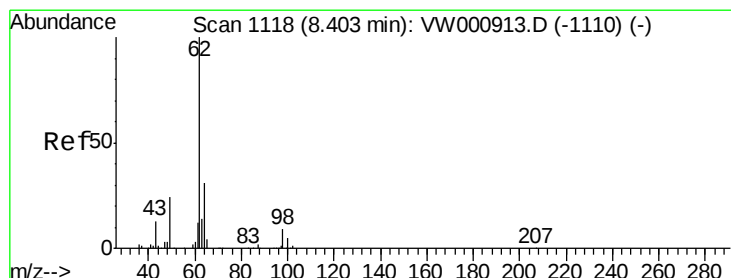
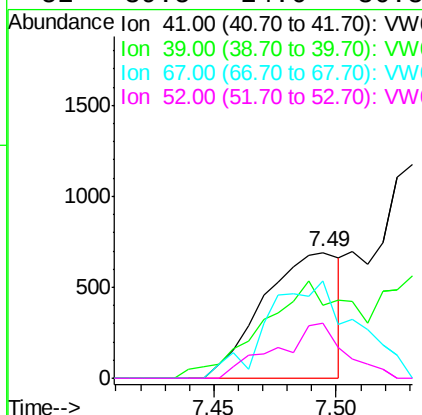
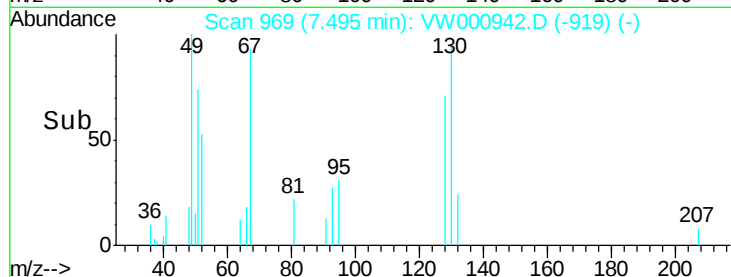
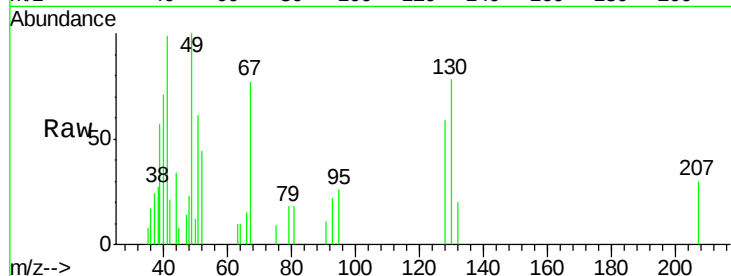
#41  
Methacrylonitrile  
Concen: 1.50 ug/l  
RT: 7.49 min Scan# 969  
Delta R.T. 0.01 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 90.5  | 43.4  | 65.0# |
| 67      | 88.4  | 59.0  | 88.4  |
| 52      | 39.5  | 24.6  | 36.8# |

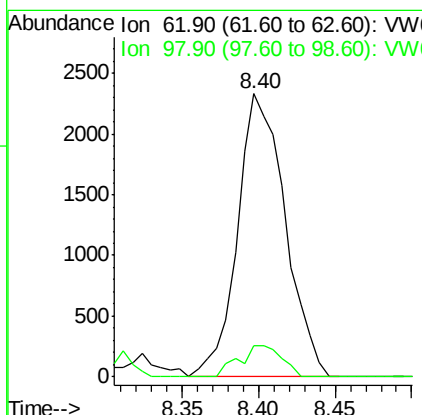
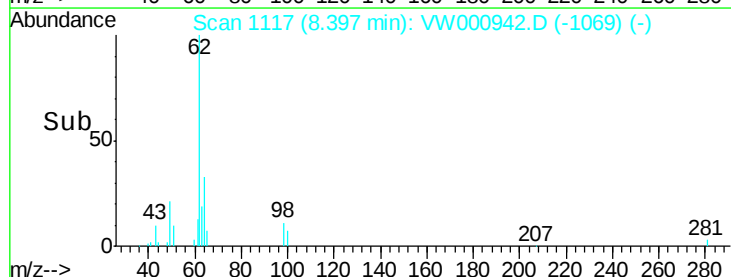
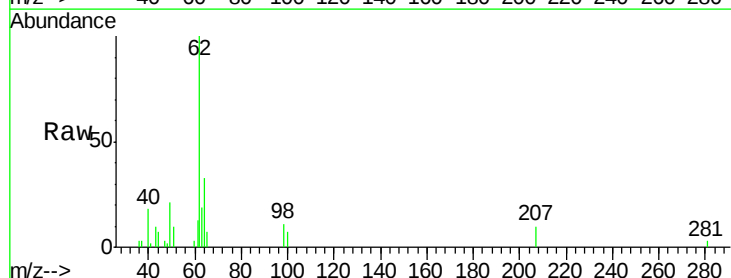
Manual Integrations  
APPROVED

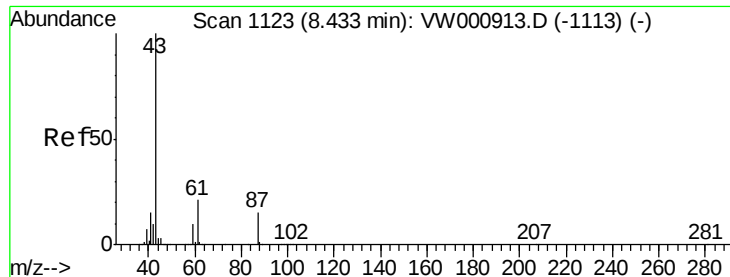
MMDadoda  
1/25/2018 1:33:54 PM



#42  
1,2-Dichloroethane  
Concen: 1.88 ug/l  
RT: 8.40 min Scan# 1117  
Delta R.T. -0.01 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 9.8   | 0.0   | 18.0  |





#43

Isopropyl Acetate

Concen: 1.83 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA\_W

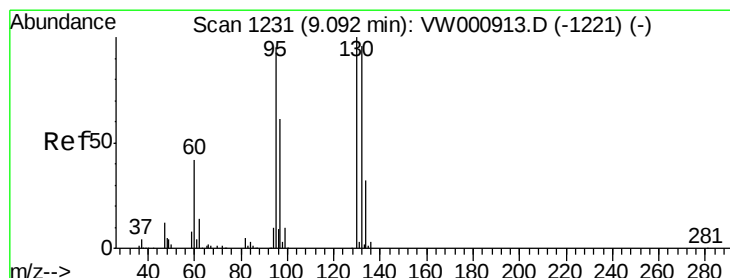
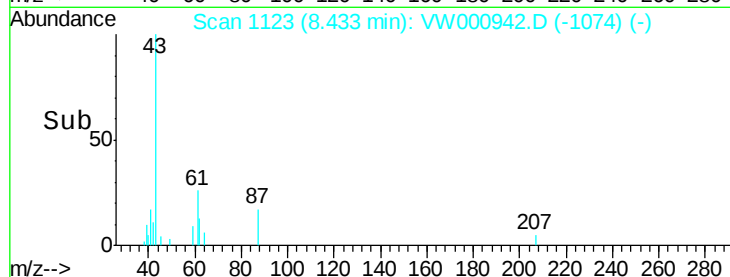
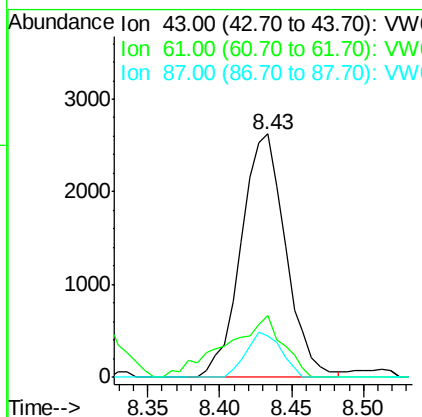
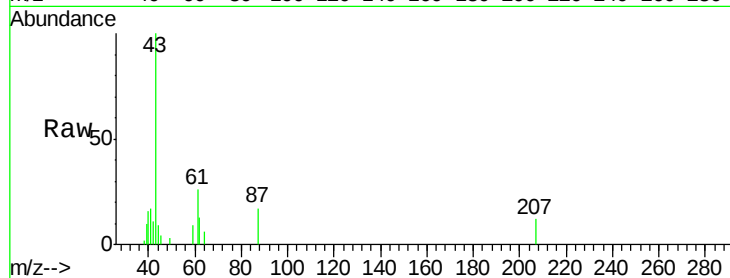
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 5620  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 32.4  | 23.6  | 35.4  |
| 87       | 14.4  | 11.7  | 17.5  |

Manual Integrations  
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MMDadoda  
1/25/2018 1:33:54 PM



#44

Trichloroethene

Concen: 2.10 ug/l

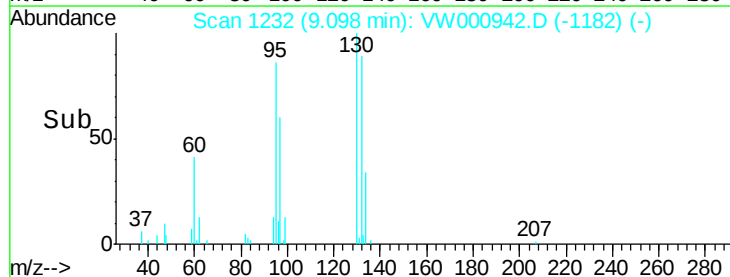
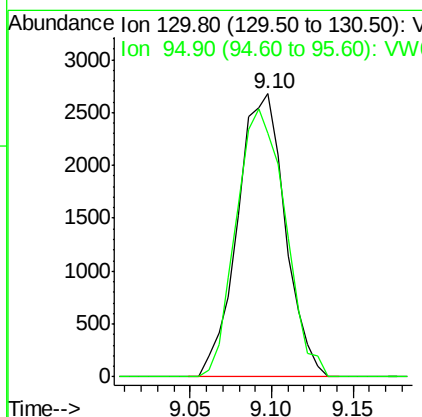
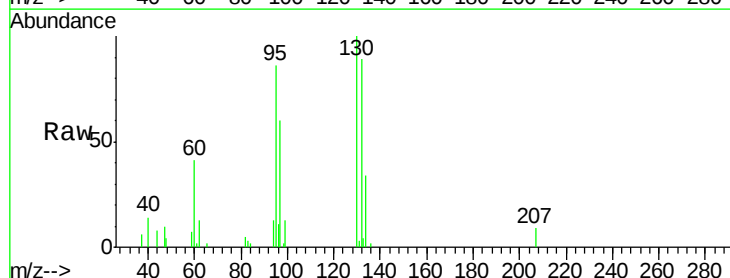
RT: 9.10 min Scan# 1232

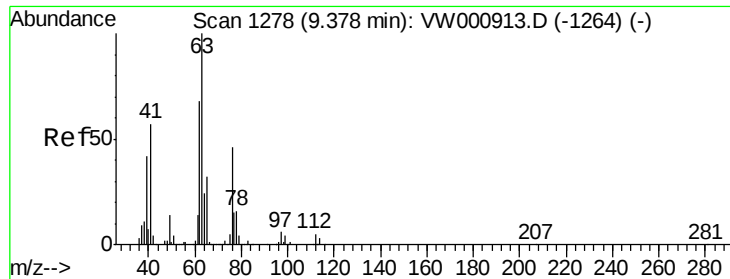
Delta R.T. 0.01 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 5430  |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 86.2  | 0.0   | 190.4 |





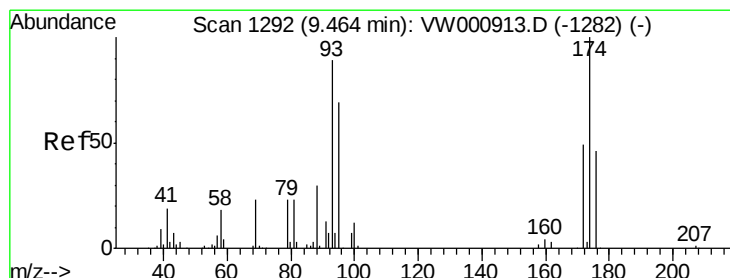
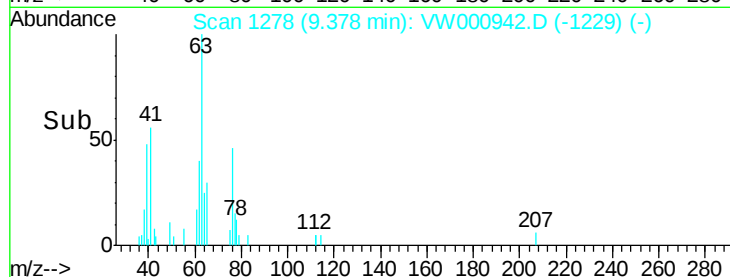
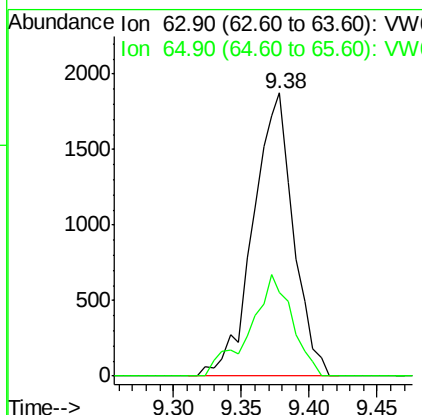
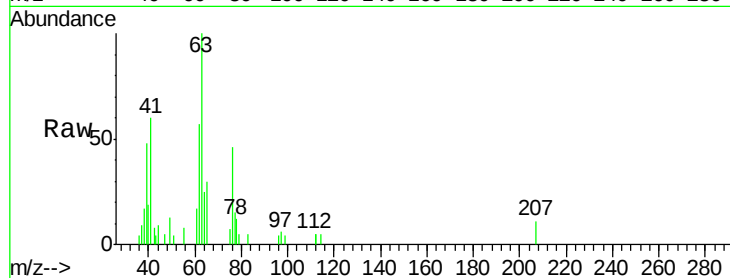
#45  
 1,2-Dichloropropane  
 Concen: 1.91 ug/l  
 RT: 9.38 min Scan# 1278  
 Delta R.T. 0.00 min  
 Lab File: VW000942.D  
 Acq: 24 Jan 2018 12:21

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2018

Tot Ion: 63 Resp: 3875  
 Ion Ratio Lower Upper  
 63 100  
 65 29.7 25.2 37.8

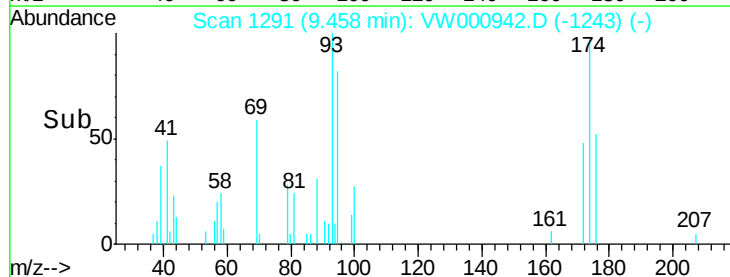
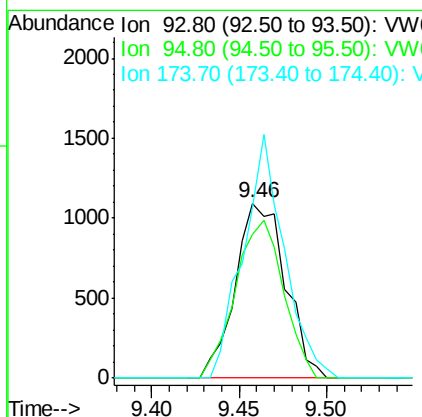
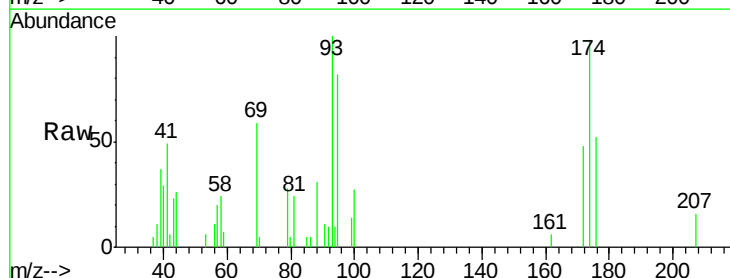
Manual Integrations  
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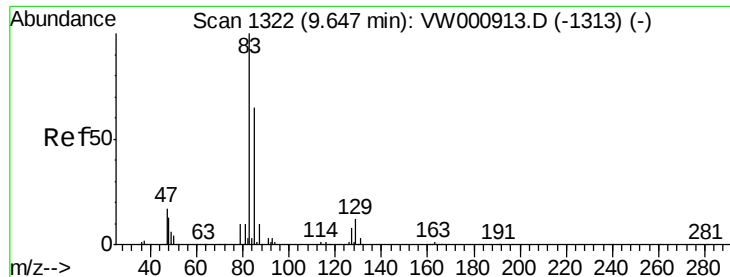
MMDadoda  
 1/25/2018 1:33:54 PM



#46  
 Dibromomethane  
 Concen: 1.69 ug/l  
 RT: 9.46 min Scan# 1291  
 Delta R.T. -0.01 min  
 Lab File: VW000942.D  
 Acq: 24 Jan 2018 12:21

Tgt Ion: 93 Resp: 2190  
 Ion Ratio Lower Upper  
 93 100  
 95 86.2 65.8 98.6  
 174 113.7 89.0 133.6





#47

Bromodichloromethane

Concen: 1.66 ug/l

RT: 9.65 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA\_W

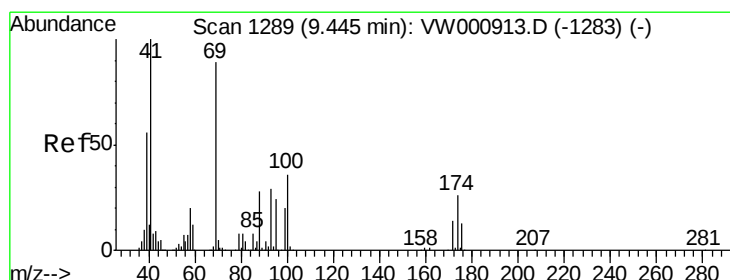
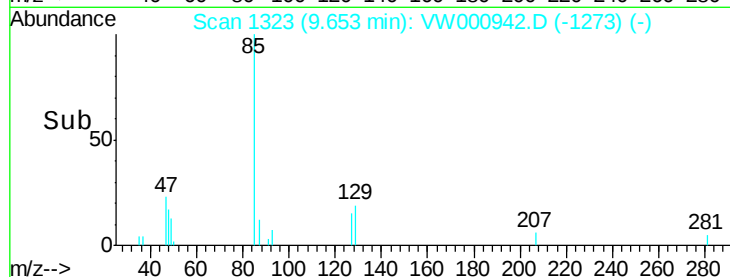
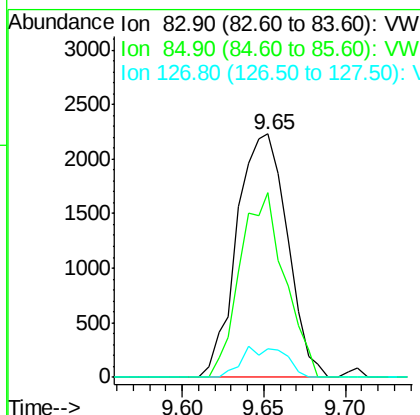
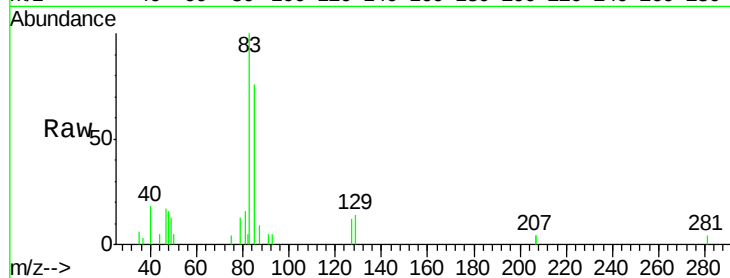
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 4774  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 76.1  | 52.0  | 78.0  |
| 127      | 11.7  | 6.8   | 10.2# |

Manual Integrations  
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1/25/2018 1:33:54 PM



#48

Methyl methacrylate

Concen: 1.81 ug/l

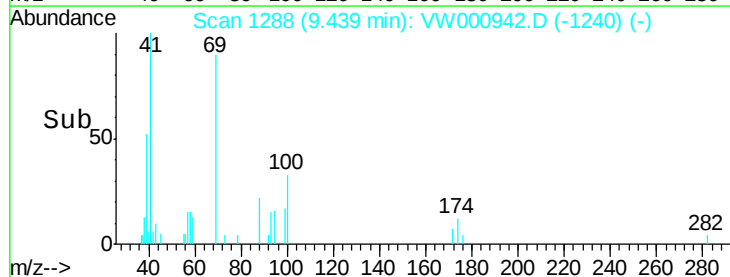
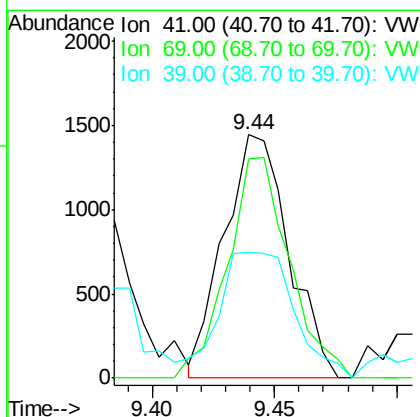
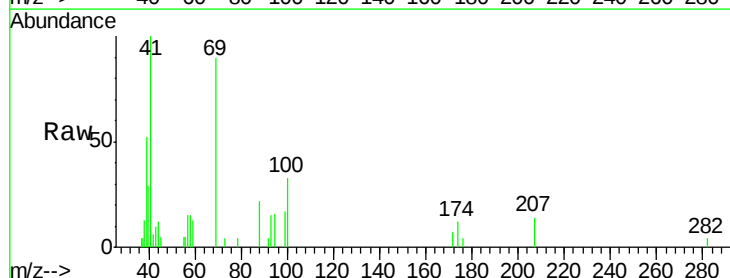
RT: 9.44 min Scan# 1288

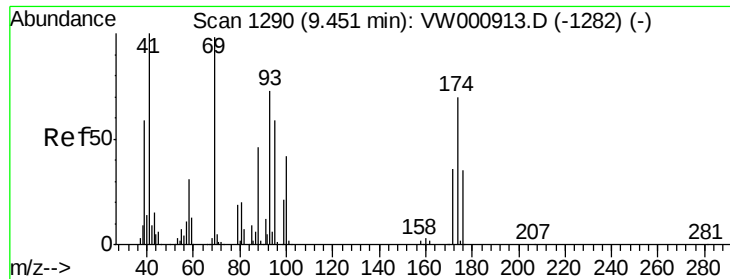
Delta R.T. -0.01 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 2666  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 87.1  | 72.9  | 109.3 |
| 39       | 60.4  | 48.4  | 72.6  |





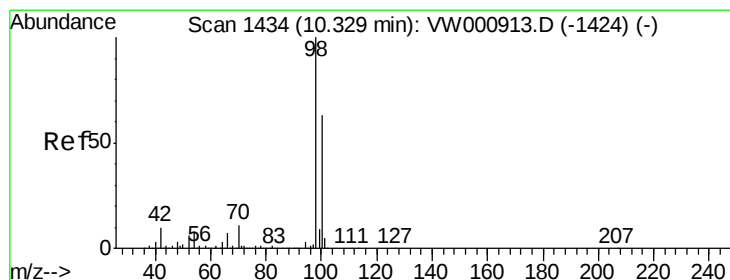
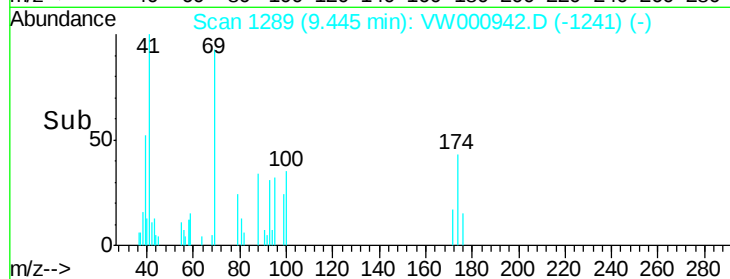
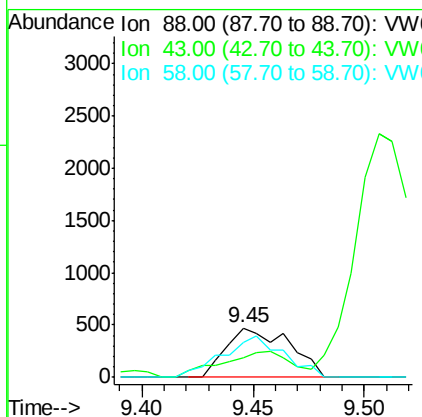
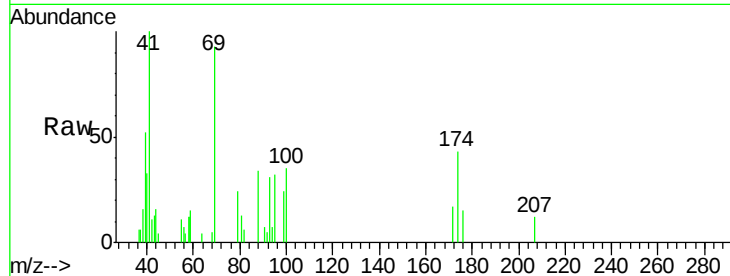
#49  
 1,4-Dioxane  
 Concen: 32.84 ug/l  
 RT: 9.45 min Scan# 1289  
 Delta R.T. -0.01 min  
 Lab File: VW000942.D  
 Acq: 24 Jan 2018 12:21

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2018

| Tot Ion | 88    | Resp  | 932   |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 57.9  | 24.5  | 36.7# |
| 58      | 80.5  | 54.7  | 82.1  |

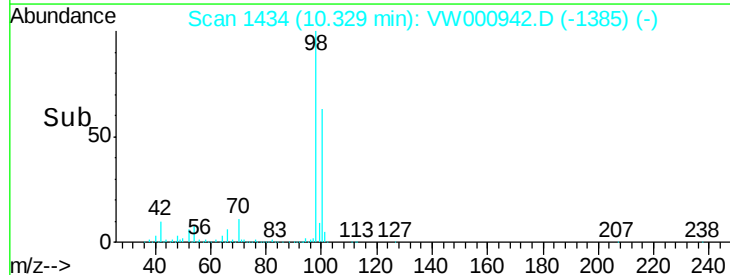
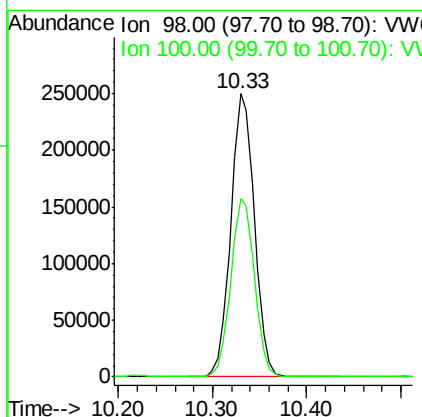
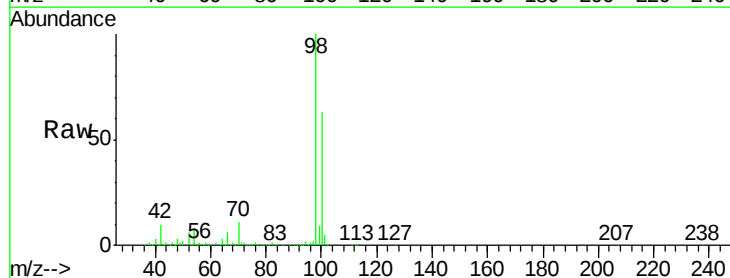
Manual Integrations  
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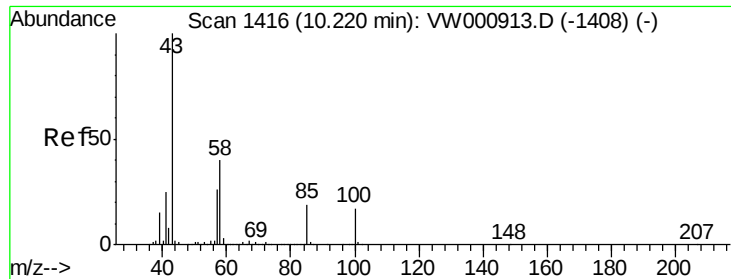
MMDadoda  
 1/25/2018 1:33:54 PM



#50  
 Toluene-d8  
 Concen: 53.34 ug/l  
 RT: 10.33 min Scan# 1434  
 Delta R.T. 0.00 min  
 Lab File: VW000942.D  
 Acq: 24 Jan 2018 12:21

| Tgt Ion | 98    | Resp  | 432584 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 63.1  | 50.8  | 76.2   |





#51

4-Methyl-2-Pentanone

Concen: 7.96 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA\_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

Tot Ion: 43 Resp: 14048

Ion Ratio Lower Upper

43 100

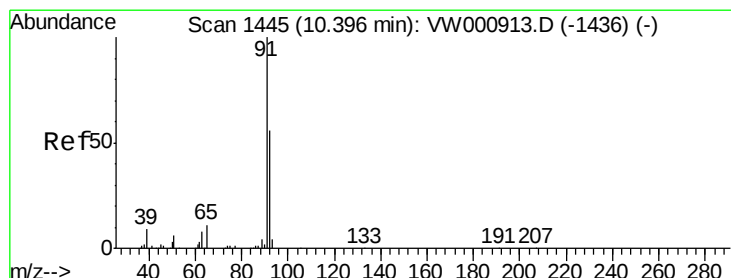
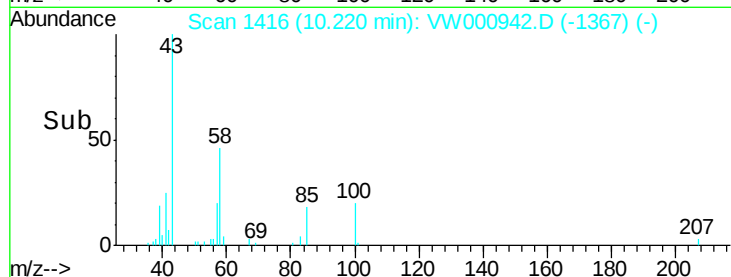
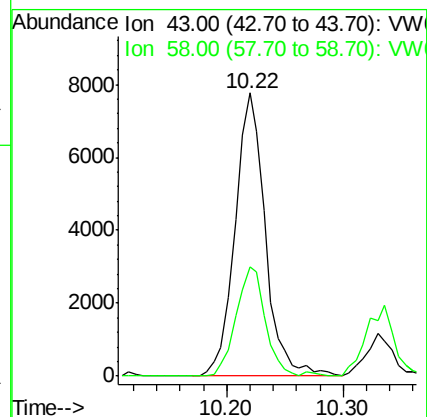
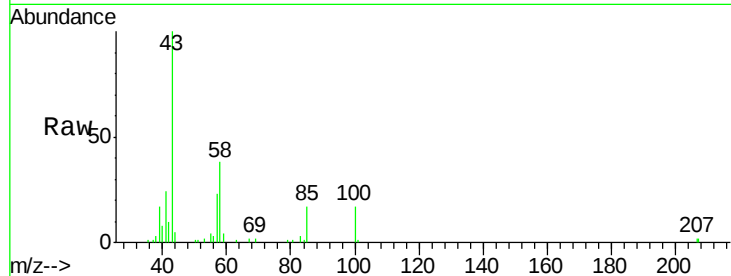
58 37.0 32.0 48.0

Manual Integrations

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#52

Toluene

Concen: 2.01 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VW000942.D

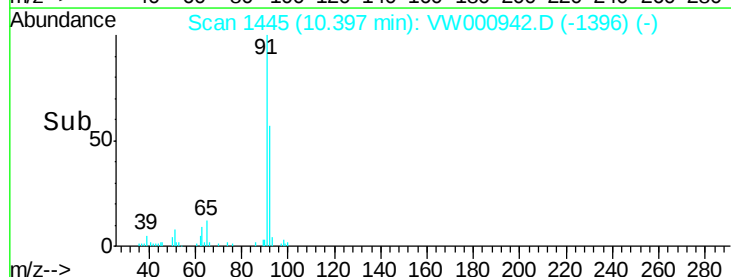
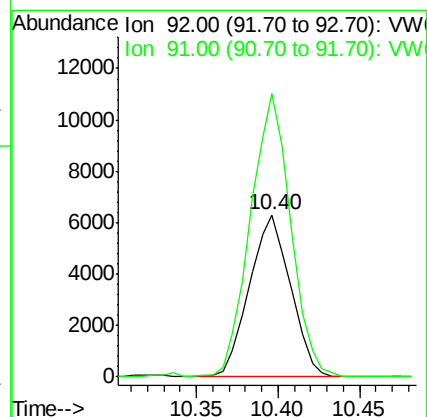
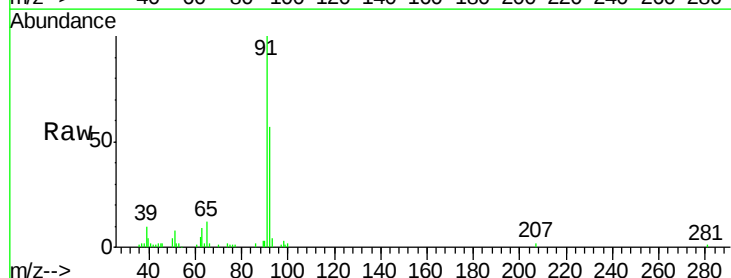
Acq: 24 Jan 2018 12:21

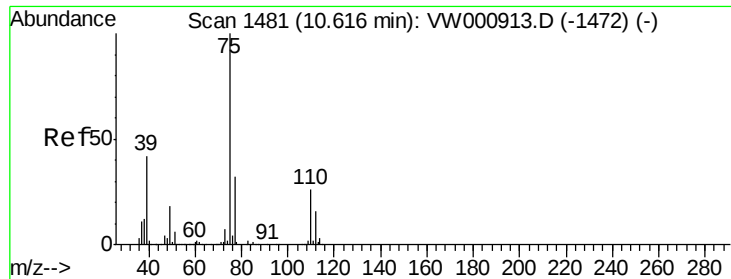
Tgt Ion: 92 Resp: 11069

Ion Ratio Lower Upper

92 100

91 170.7 140.7 211.1





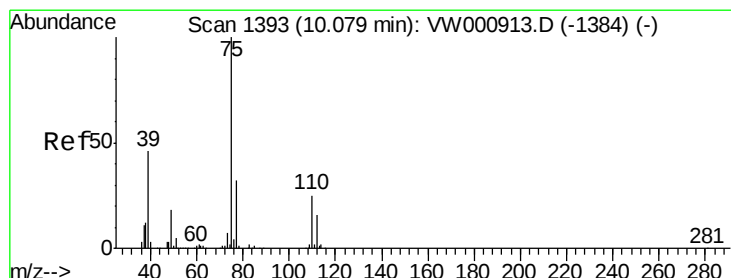
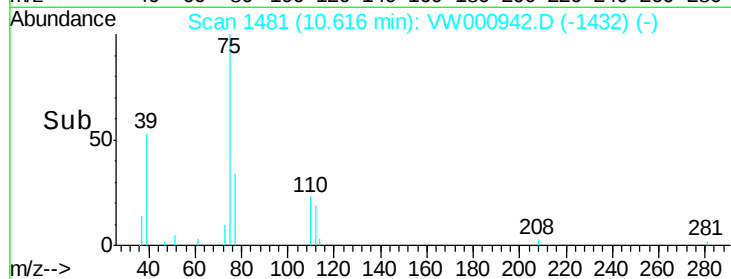
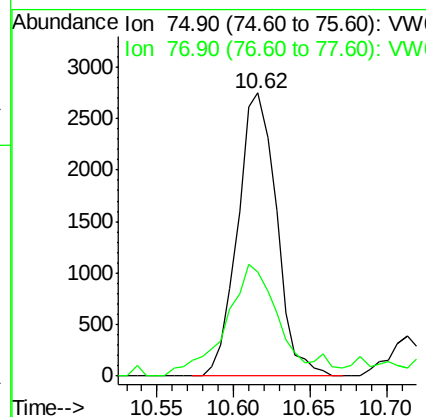
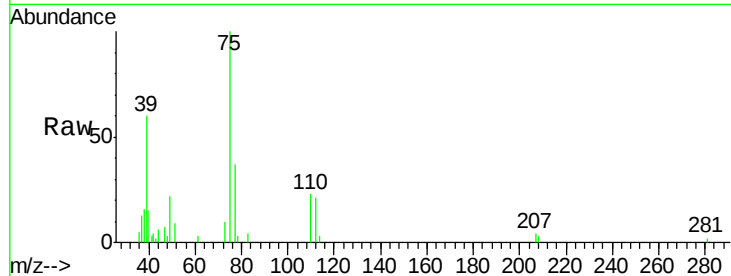
#53  
 t-1,3-Dichloropropene  
 Concen: 1.66 ug/l  
 RT: 10.62 min Scan# 1481  
 Delta R.T. 0.00 min  
 Lab File: VW000942.D  
 Acq: 24 Jan 2018 12:21

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2018

Tot Ion: 75 Resp: 4843  
 Ion Ratio Lower Upper  
 75 100  
 77 34.0 25.7 38.5

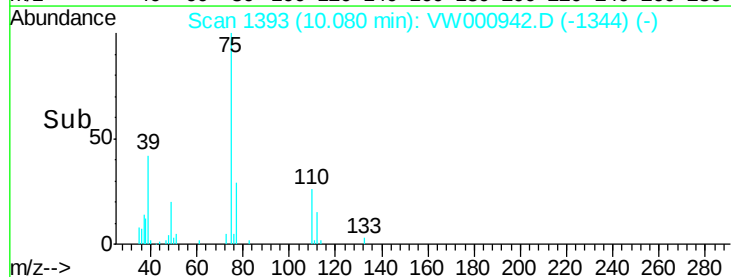
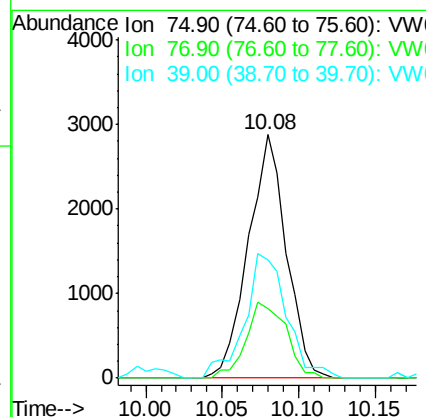
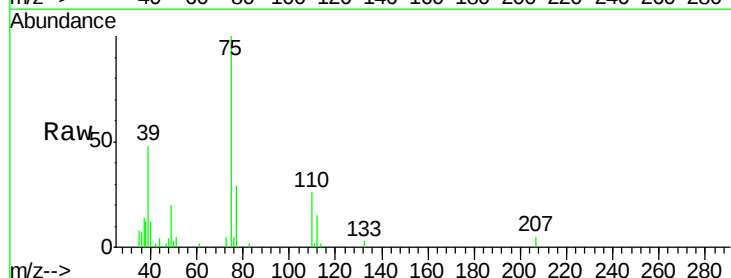
Manual Integrations  
 APPROVED

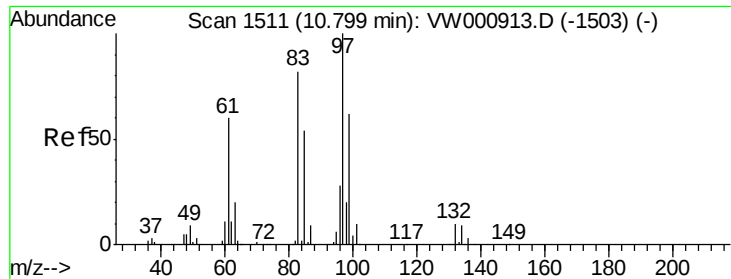
MMDadoda  
 1/25/2018 1:33:54 PM



#54  
 cis-1,3-Dichloropropene  
 Concen: 1.56 ug/l  
 RT: 10.08 min Scan# 1393  
 Delta R.T. 0.00 min  
 Lab File: VW000942.D  
 Acq: 24 Jan 2018 12:21

Tgt Ion: 75 Resp: 4989  
 Ion Ratio Lower Upper  
 75 100  
 77 28.7 25.3 37.9  
 39 48.4 37.0 55.6





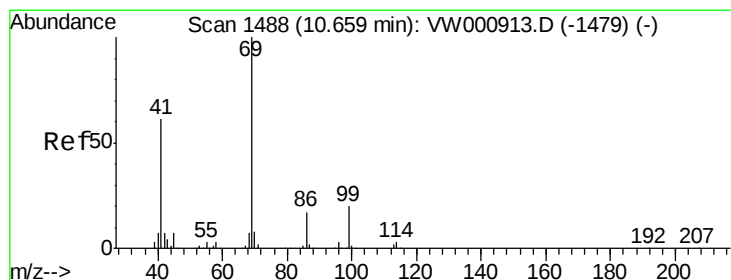
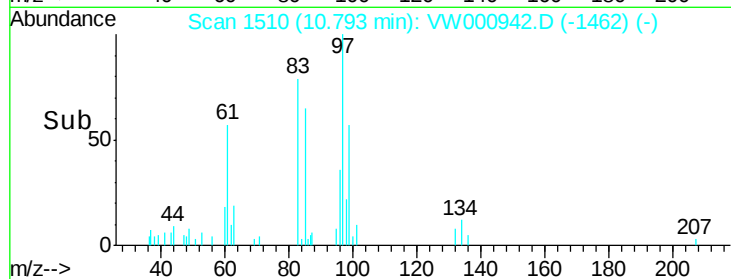
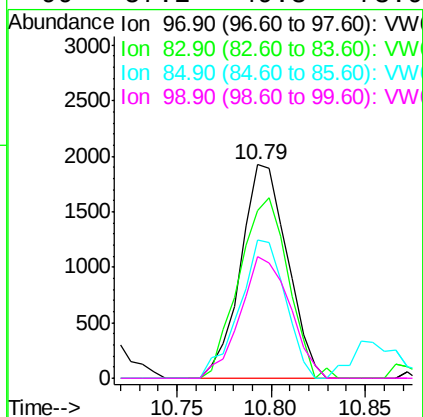
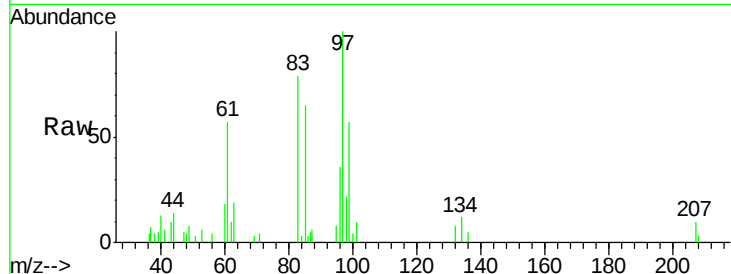
#55  
 1,1,2-Trichloroethane  
 Concen: 1.83 ug/l  
 RT: 10.79 min Scan# 1510  
 Delta R.T. -0.01 min  
 Lab File: VW000942.D  
 Acq: 24 Jan 2018 12:21

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 78.6  | 65.2  | 97.8  |
| 85      | 64.9  | 43.1  | 64.7# |
| 99      | 57.2  | 49.3  | 73.9  |

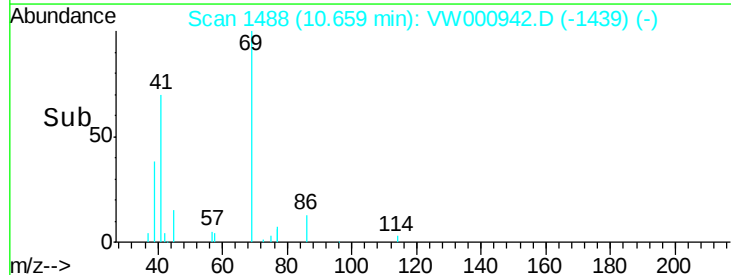
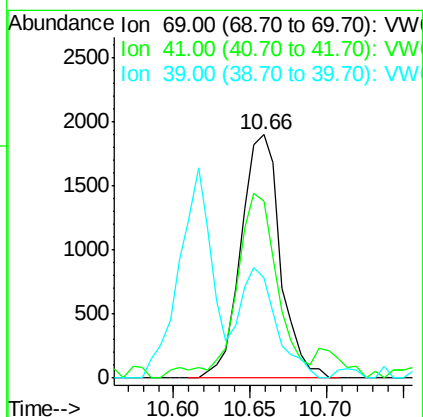
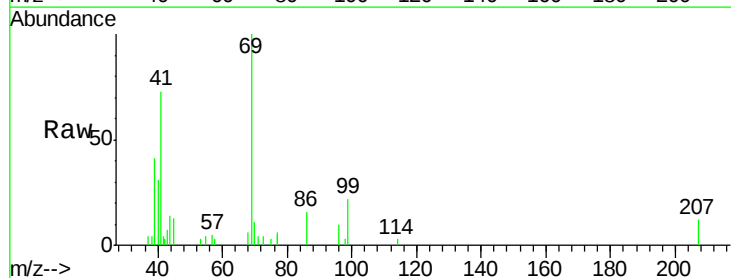
Manual Integrations  
 APPROVED

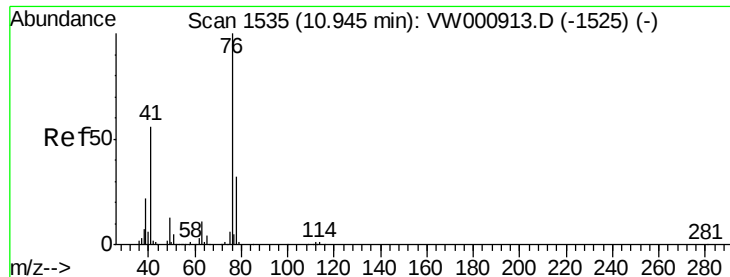
MMDadoda  
 1/25/2018 1:33:54 PM



#56  
 Ethyl methacrylate  
 Concen: 4.55 ug/l  
 RT: 10.66 min Scan# 1488  
 Delta R.T. 0.00 min  
 Lab File: VW000942.D  
 Acq: 24 Jan 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 77.8  | 50.3  | 75.5# |
| 39      | 42.5  | 28.6  | 42.8  |





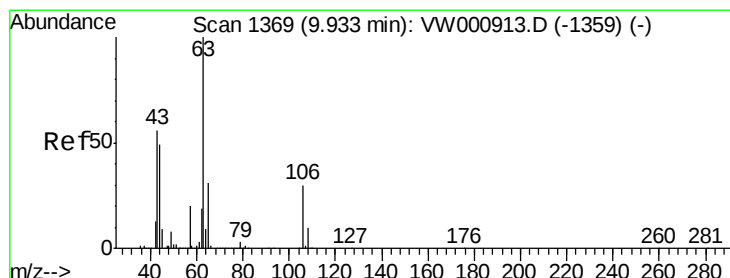
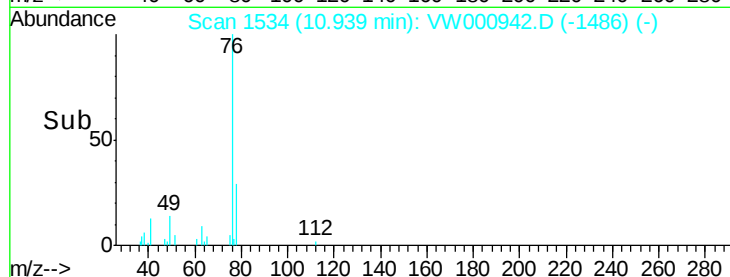
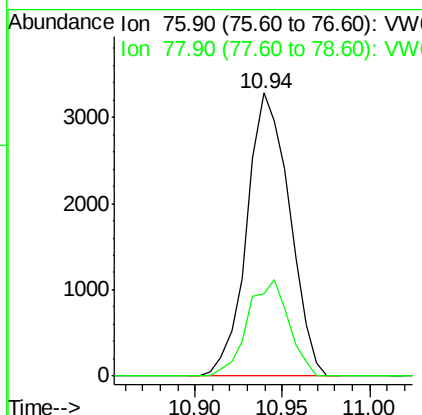
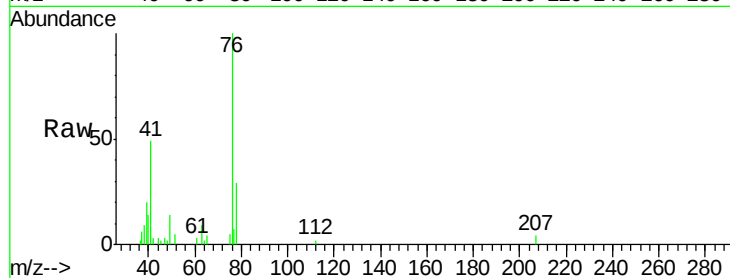
#57  
 1,3-Dichloropropane  
 Concen: 1.88 ug/l  
 RT: 10.94 min Scan# 1534  
 Delta R.T. -0.01 min  
 Lab File: VW000942.D  
 Acq: 24 Jan 2018 12:21

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2018

Tot Ion: 76 Resp: 5562  
 Ion Ratio Lower Upper  
 76 100  
 78 32.8 25.8 38.8

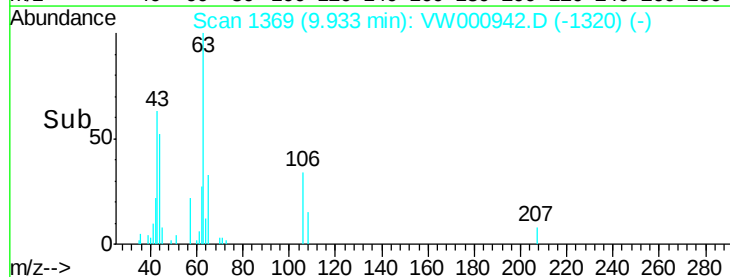
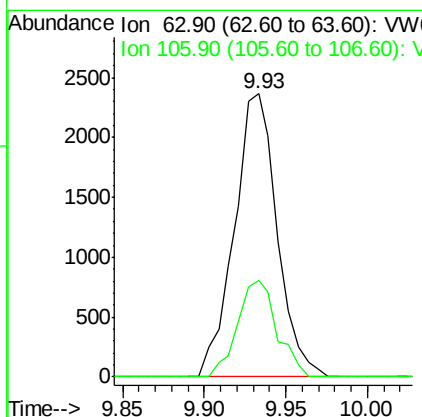
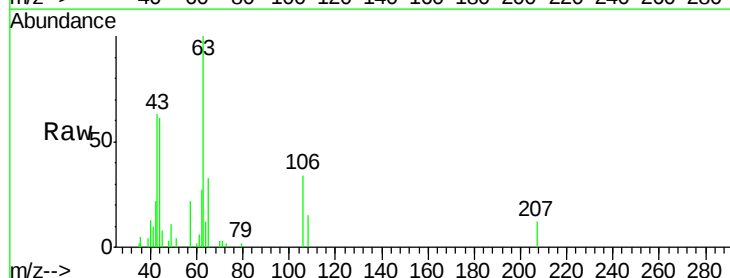
Manual Integrations  
 APPROVED

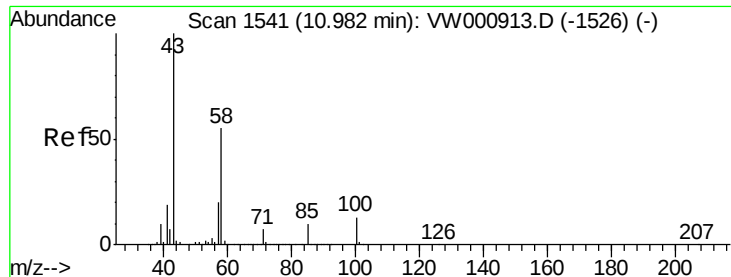
MMDadoda  
 1/25/2018 1:33:54 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 28.65 ug/l  
 RT: 9.93 min Scan# 1369  
 Delta R.T. 0.00 min  
 Lab File: VW000942.D  
 Acq: 24 Jan 2018 12:21

Tgt Ion: 63 Resp: 4308  
 Ion Ratio Lower Upper  
 63 100  
 106 31.4 23.8 35.8





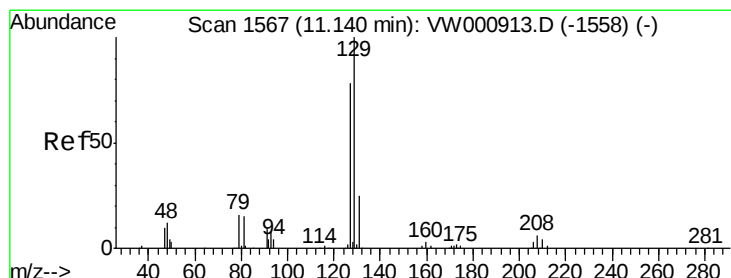
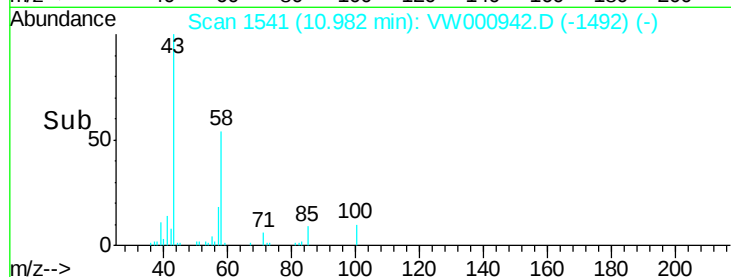
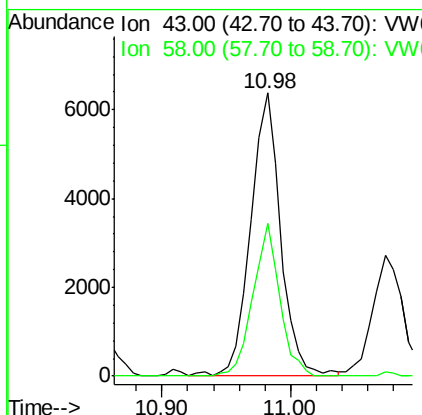
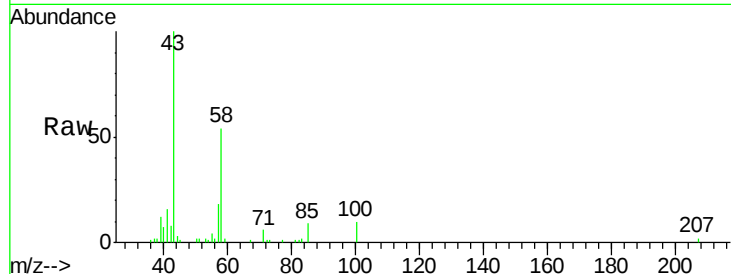
#59  
2-Hexanone  
Concen: 20.87 ug/l  
RT: 10.98 min Scan# 1541  
Delta R.T. 0.00 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2018

Tot Ion: 43 Resp: 10207  
Ion Ratio Lower Upper  
43 100  
58 48.2 27.4 82.2

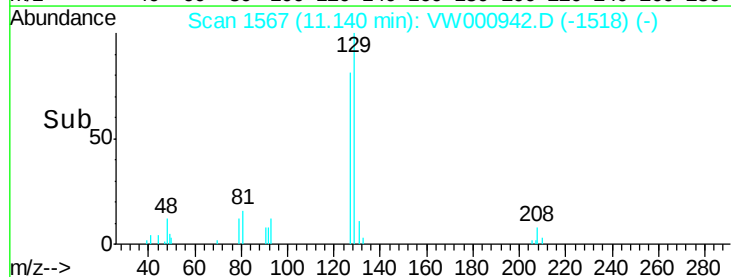
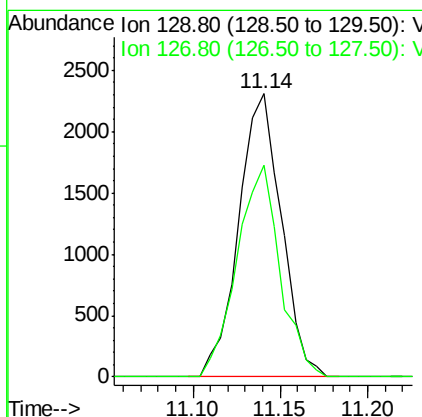
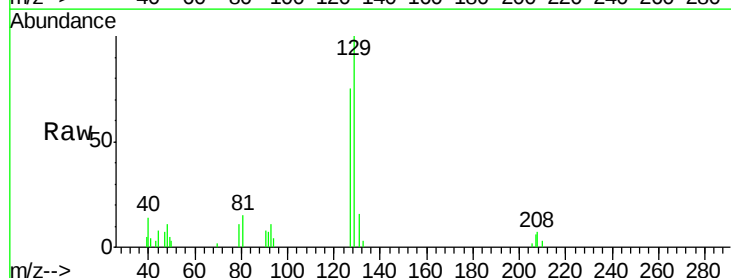
Manual Integrations  
APPROVED

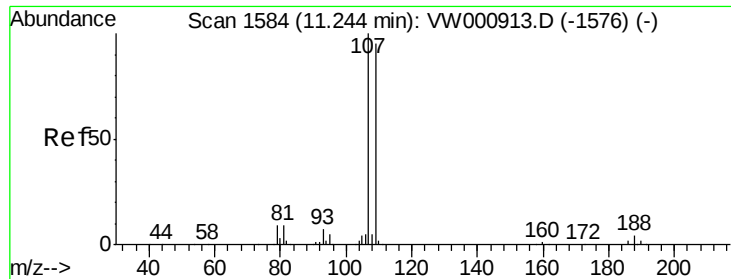
MMDadoda  
1/25/2018 1:33:54 PM



#60  
Dibromochloromethane  
Concen: 1.79 ug/l  
RT: 11.14 min Scan# 1567  
Delta R.T. 0.00 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

Tgt Ion: 129 Resp: 3918  
Ion Ratio Lower Upper  
129 100  
127 75.4 38.4 115.2





#61

1,2-Dibromoethane

Concen: 1.72 ug/l

RT: 11.24 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA\_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

Tot Ion: 107 Resp: 3244

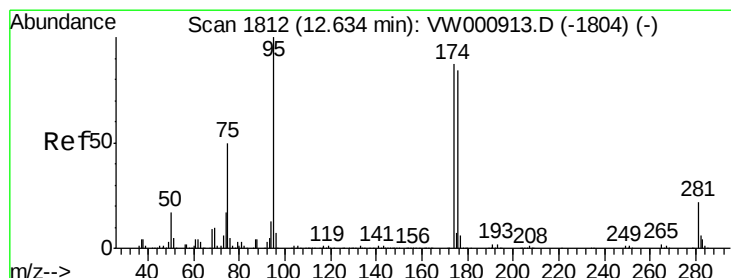
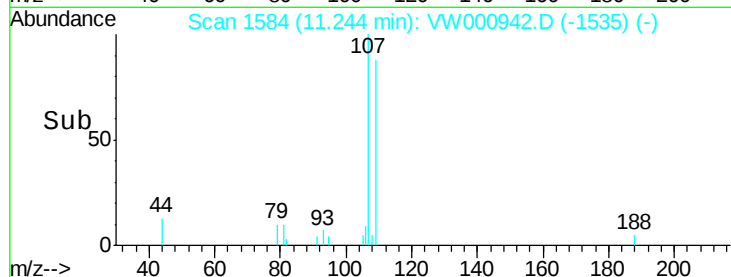
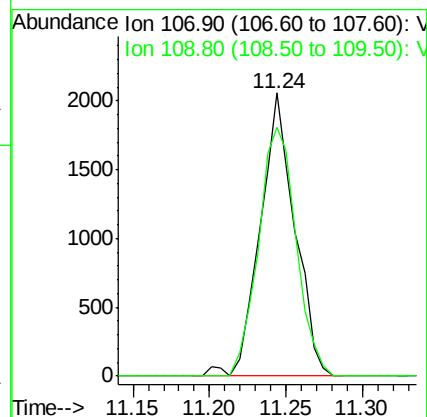
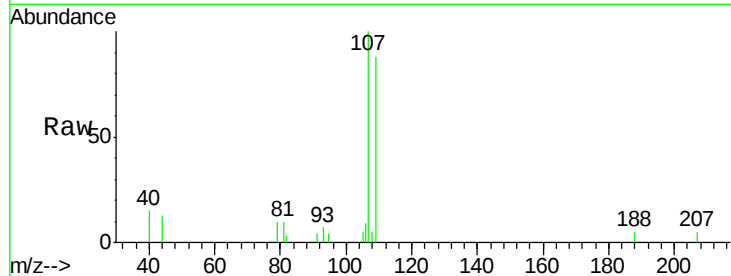
Ion Ratio Lower Upper

107 100

109 95.4 76.0 114.0

Manual Integrations  
APPROVED

MMDadoda  
1/25/2018 1:33:54 PM



#62

4-Bromofluorobenzene

Concen: 49.67 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

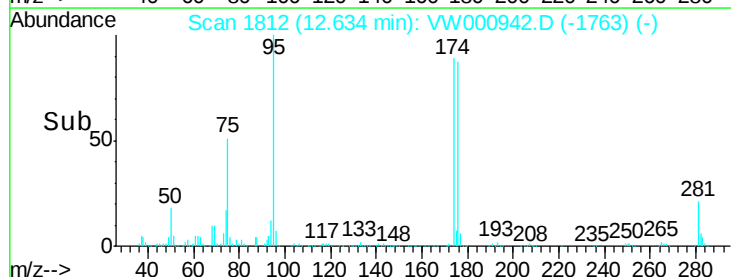
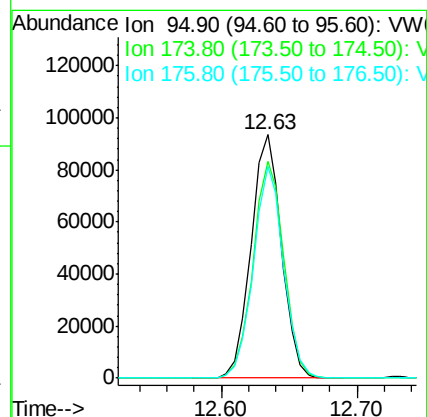
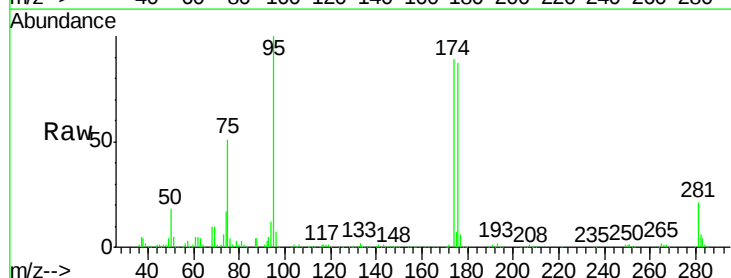
Tgt Ion: 95 Resp: 146709

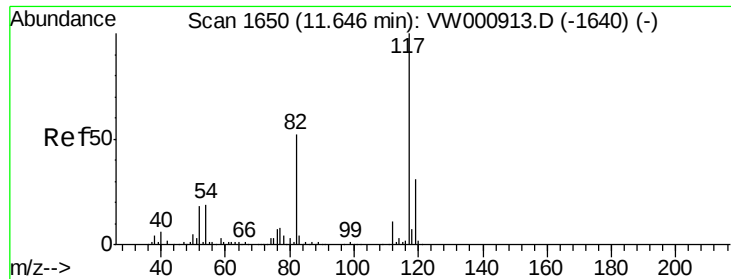
Ion Ratio Lower Upper

95 100

174 90.0 0.0 176.8

176 86.1 0.0 171.8





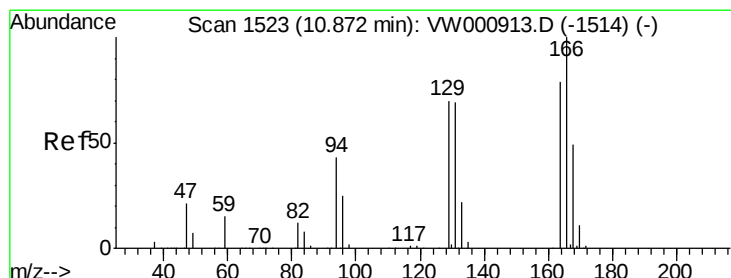
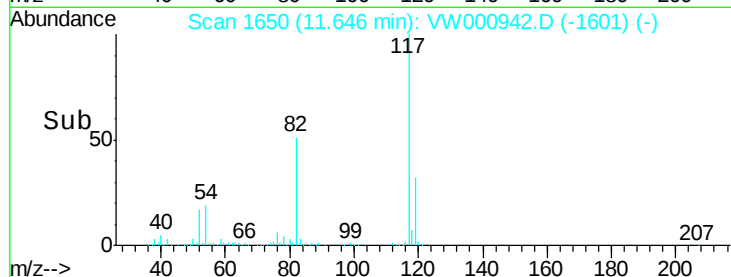
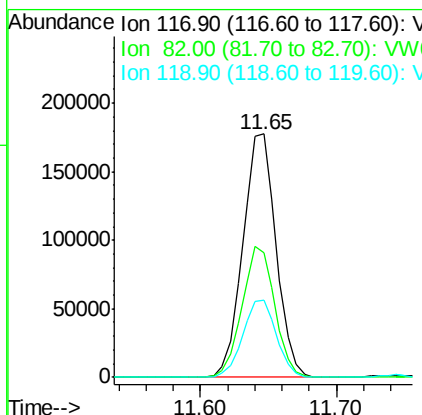
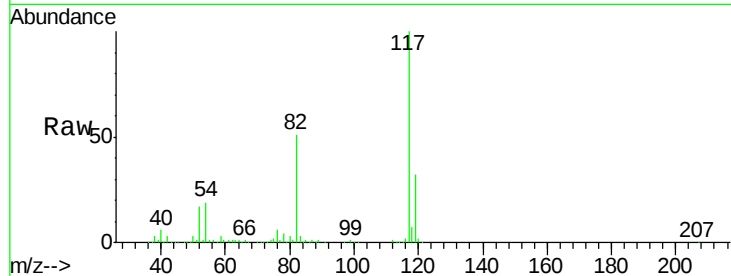
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.65 min Scan# 1650  
Delta R.T. 0.00 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.0  | 41.8  | 62.6  |
| 119     | 31.7  | 25.2  | 37.8  |

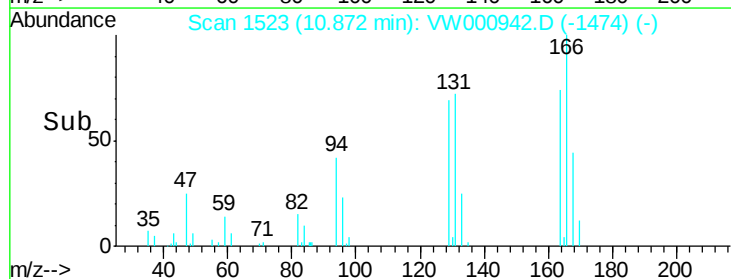
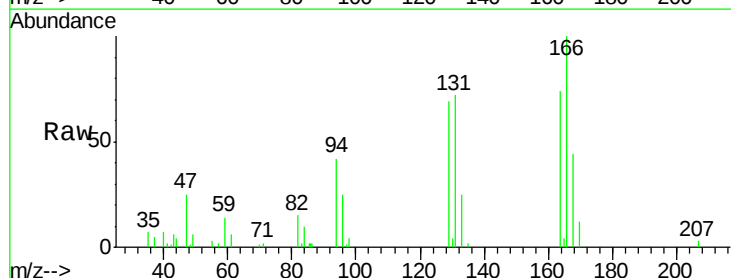
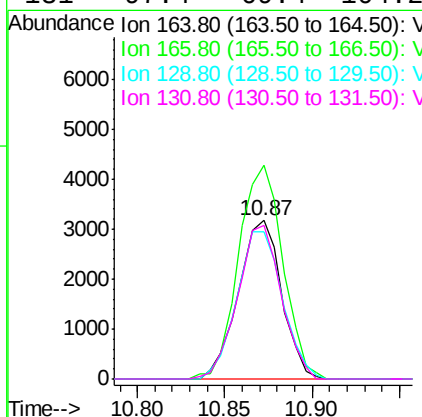
Manual Integrations  
APPROVED

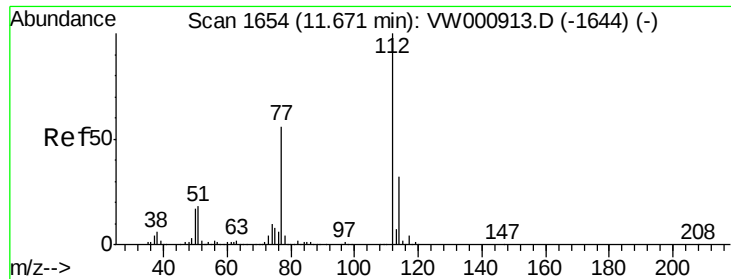
MMDadoda  
1/25/2018 1:33:54 PM



#64  
Tetrachloroethene  
Concen: 2.17 ug/l  
RT: 10.87 min Scan# 1523  
Delta R.T. 0.00 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 134.9 | 100.9 | 151.3 |
| 129     | 93.3  | 70.5  | 105.7 |
| 131     | 97.4  | 69.4  | 104.2 |





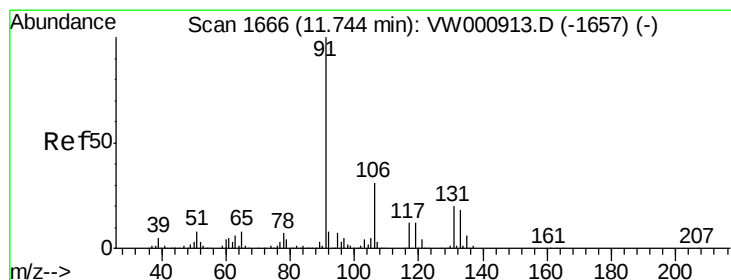
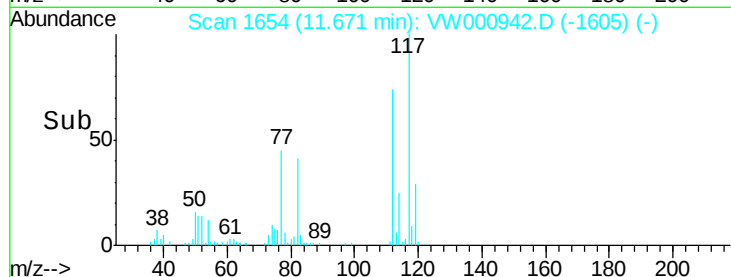
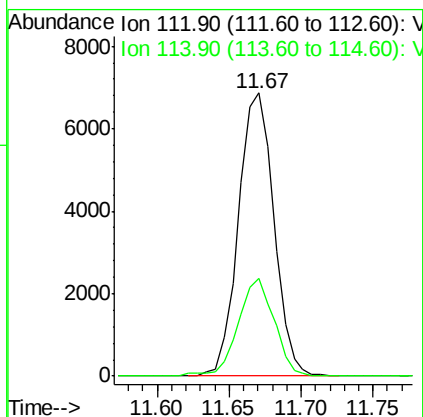
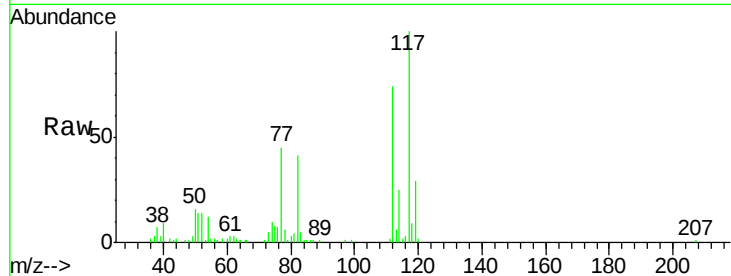
#65  
Chlorobenzene  
Concen: 1.89 ug/l  
RT: 11.67 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 34.4  | 25.8  | 38.6  |

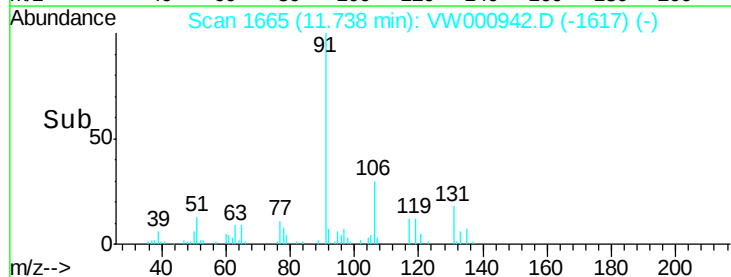
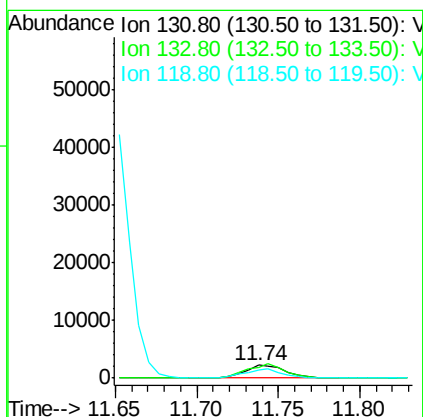
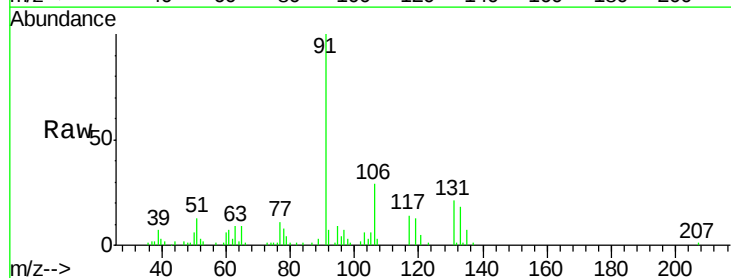
Manual Integrations  
APPROVED

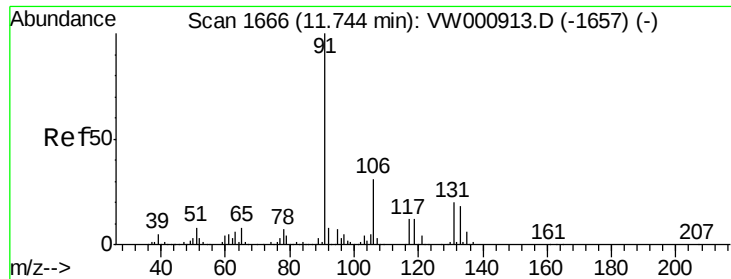
MMDadoda  
1/25/2018 1:33:54 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 1.72 ug/l  
RT: 11.74 min Scan# 1665  
Delta R.T. -0.01 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 105.2 | 47.3  | 142.0 |
| 119     | 0.0   | 31.6  | 94.7# |





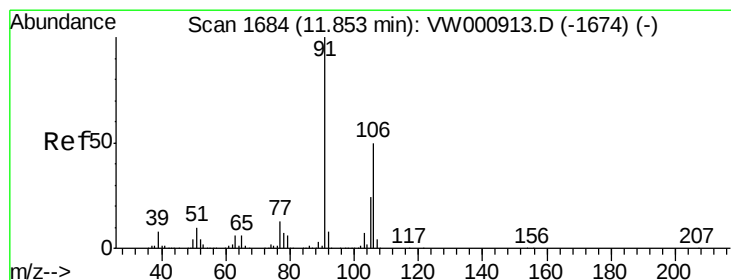
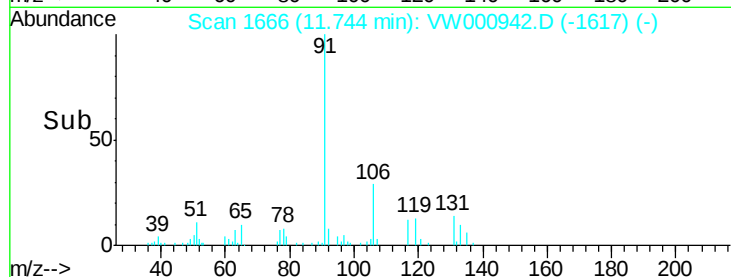
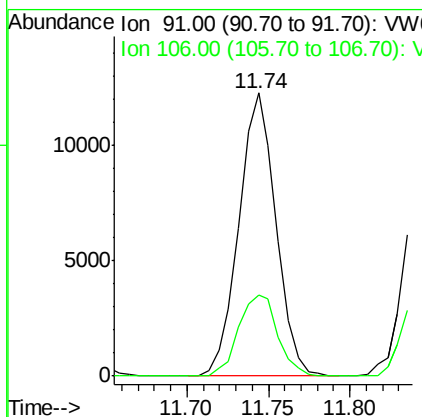
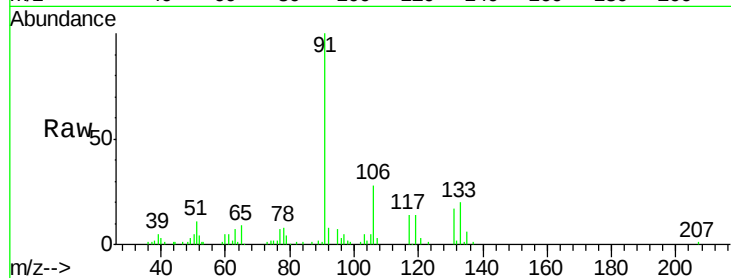
#67  
Ethyl Benzene  
Concen: 1.84 ug/l  
RT: 11.74 min Scan# 1666  
Delta R.T. 0.00 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2018

Tot Ion: 91 Resp: 19353  
Ion Ratio Lower Upper  
91 100  
106 28.5 25.1 37.7

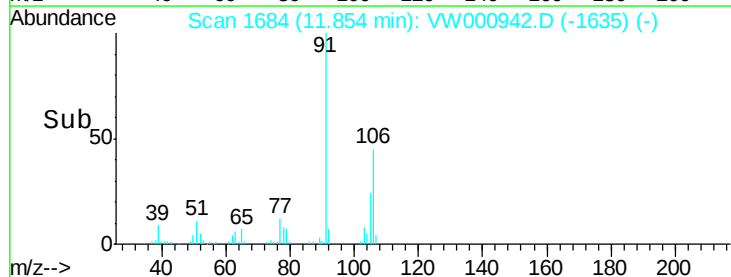
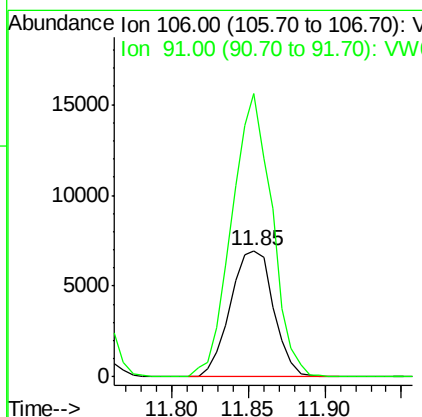
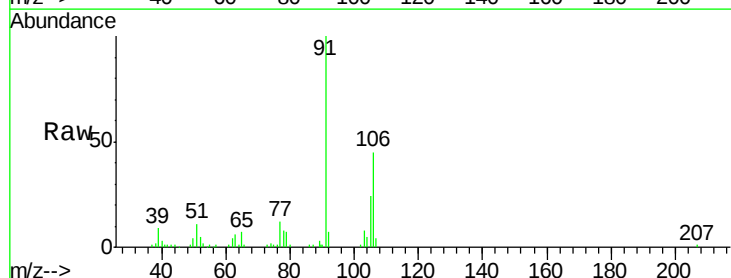
Manual Integrations  
APPROVED

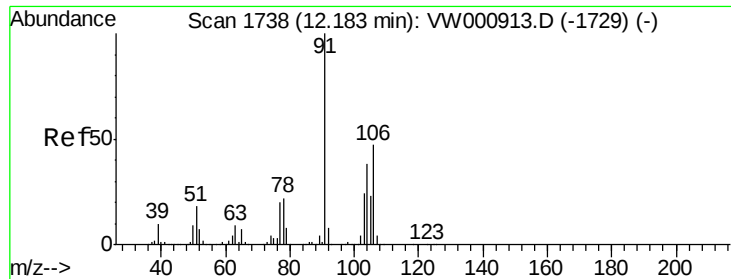
MM Dadoda  
1/25/2018 1:33:54 PM



#68  
m/p-Xylenes  
Concen: 3.34 ug/l  
RT: 11.85 min Scan# 1684  
Delta R.T. 0.00 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

Tgt Ion: 106 Resp: 13625  
Ion Ratio Lower Upper  
106 100  
91 208.9 161.9 242.9





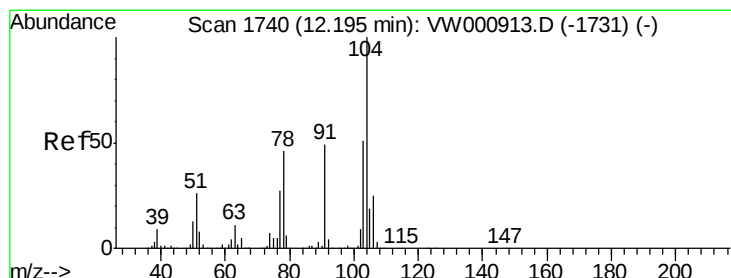
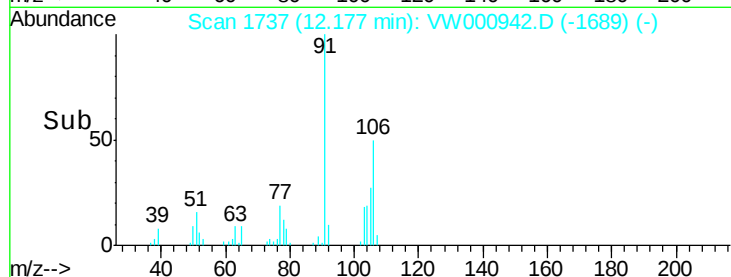
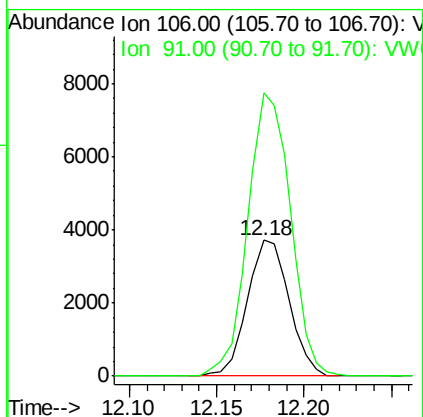
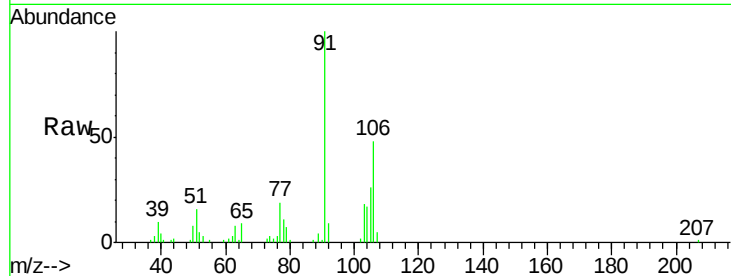
#69  
o-Xylene  
Concen: 1.65 ug/l  
RT: 12.18 min Scan# 1737  
Delta R.T. -0.01 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 212.6 | 106.3 | 318.8 |

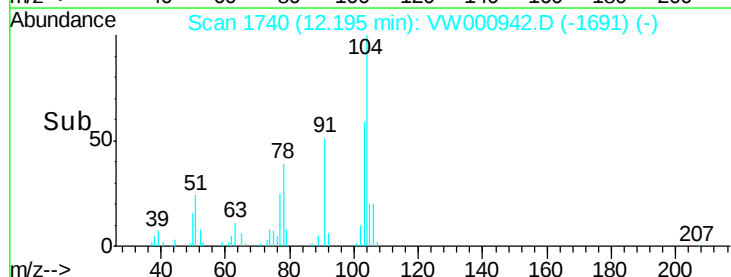
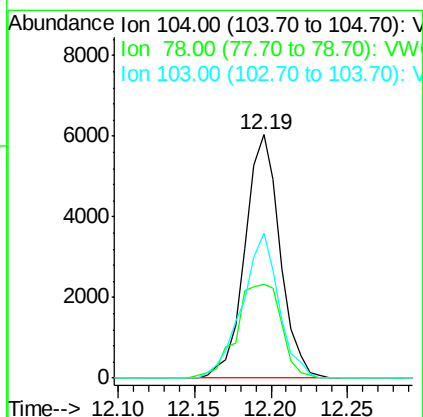
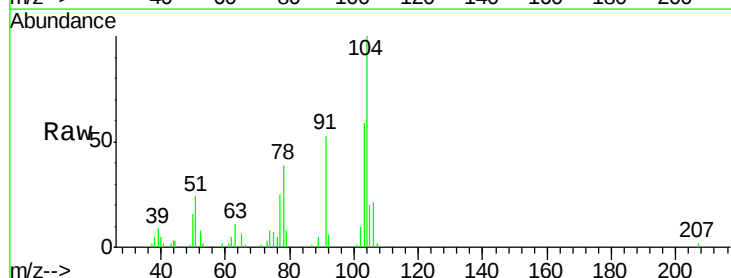
Manual Integrations  
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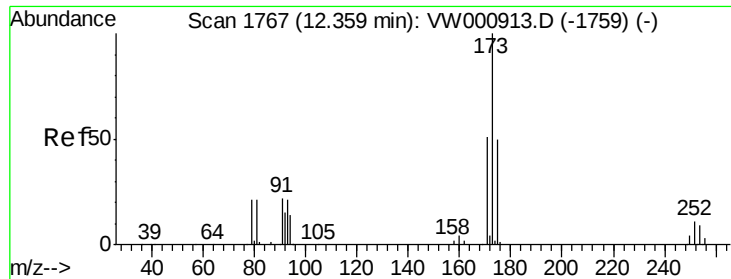
MMDadoda  
1/25/2018 1:33:54 PM



#70  
Styrene  
Concen: 1.58 ug/l  
RT: 12.19 min Scan# 1740  
Delta R.T. 0.00 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 49.8  | 40.1  | 60.1  |
| 103     | 61.6  | 44.6  | 66.8  |





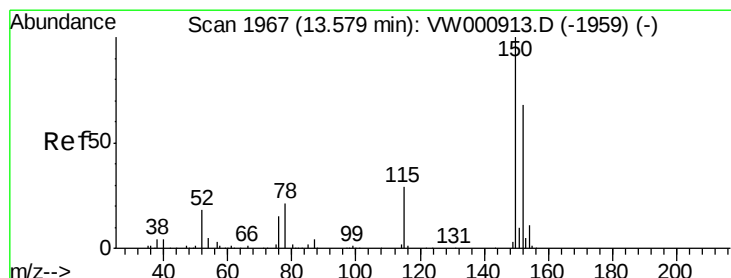
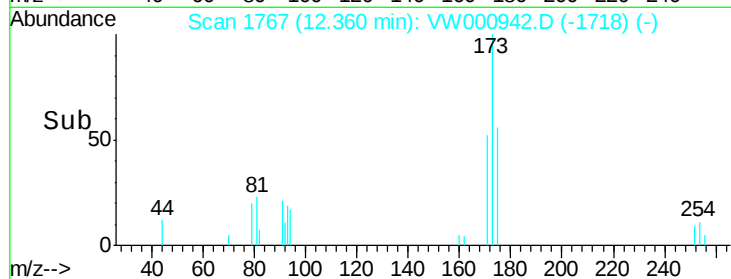
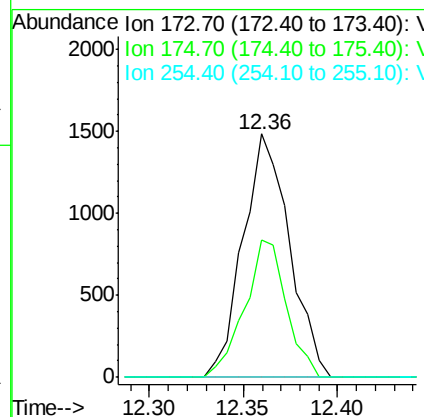
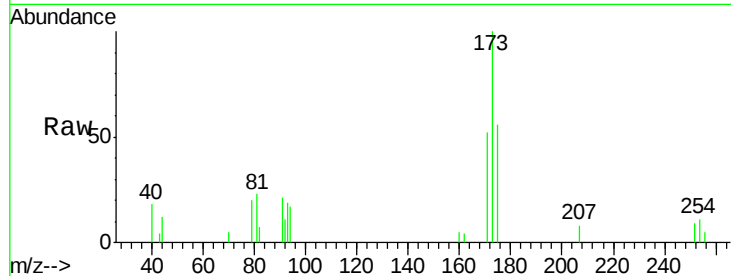
#71  
Bromoform  
Concen: 1.67 ug/l  
RT: 12.36 min Scan# 1767  
Delta R.T. 0.00 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 50.6  | 24.7  | 74.1  |
| 254     | 0.0   | 0.2   | 0.2   |

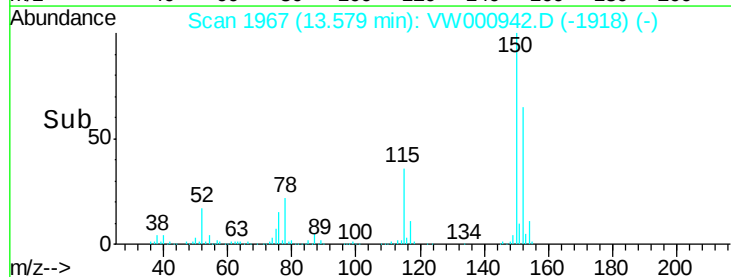
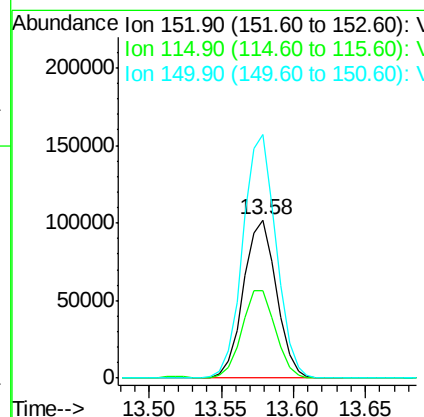
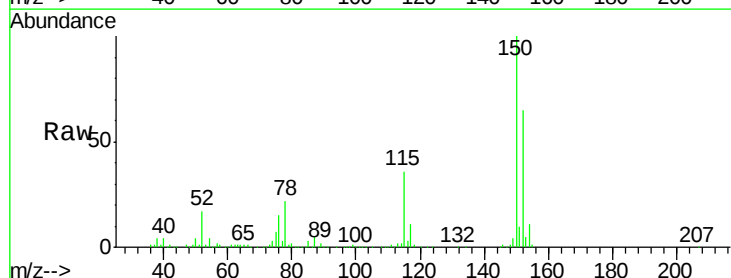
Manual Integrations  
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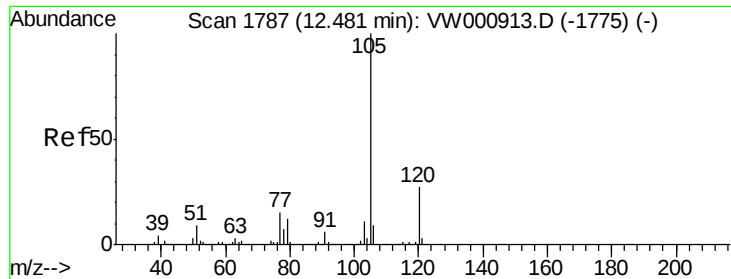
MMDadoda  
1/25/2018 1:33:54 PM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.58 min Scan# 1967  
Delta R.T. 0.00 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.8  | 28.5  | 85.5  |
| 150     | 155.1 | 0.0   | 342.0 |





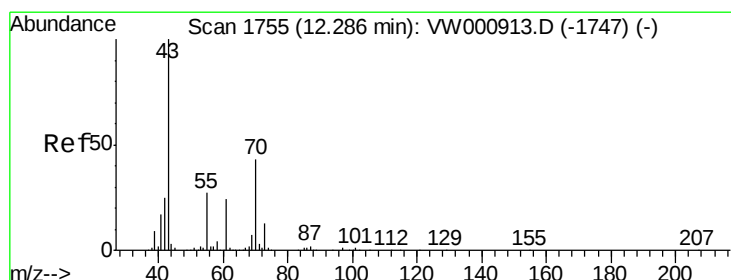
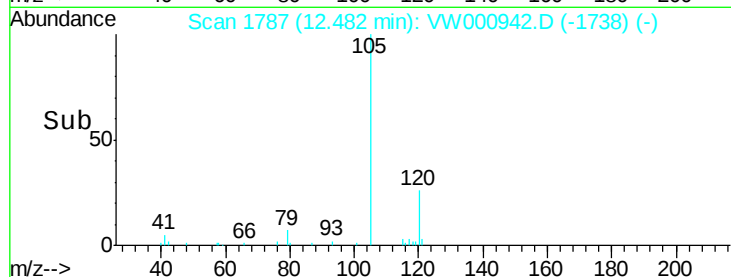
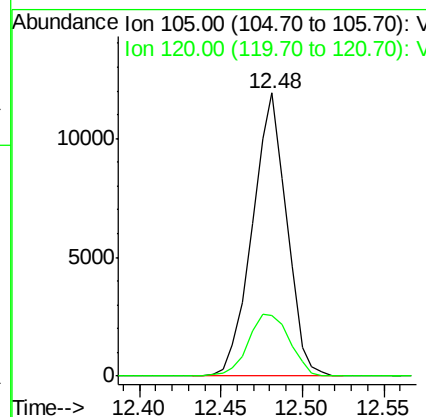
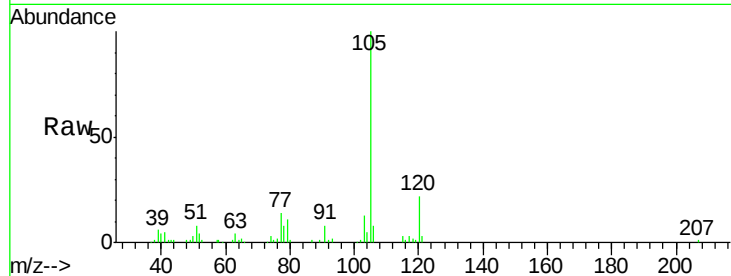
#73  
Isopropylbenzene  
Concen: 1.67 ug/l  
RT: 12.48 min Scan# 1787  
Delta R.T. 0.00 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.5  | 13.3  | 39.9  |

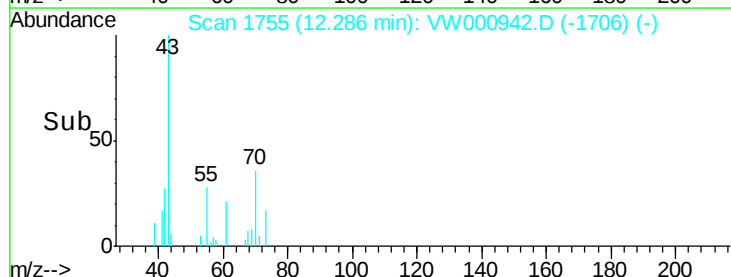
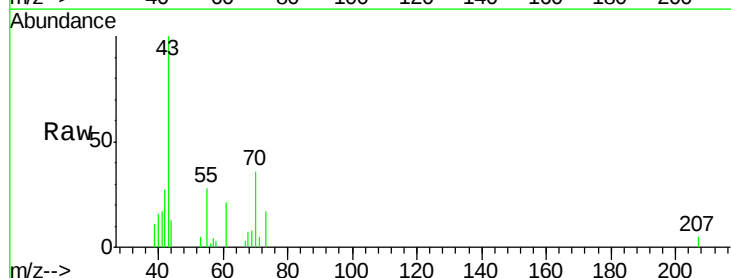
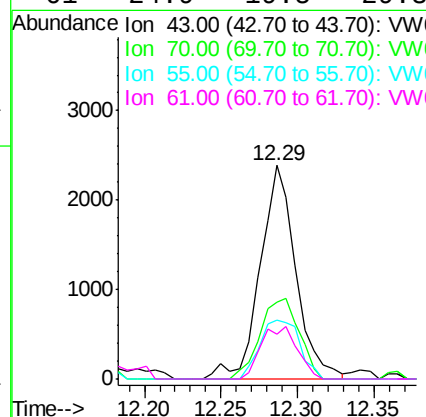
Manual Integrations  
APPROVED

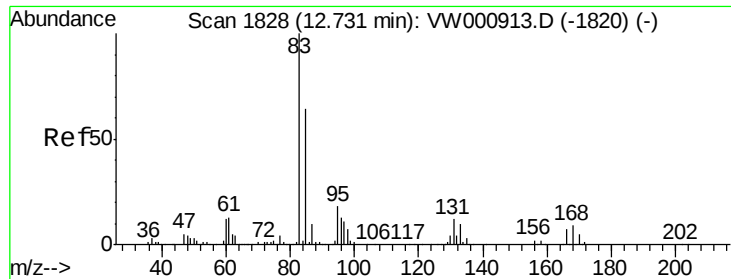
MMDadoda  
1/25/2018 1:33:54 PM



#74  
N-ethyl acetate  
Concen: 1.54 ug/l  
RT: 12.29 min Scan# 1755  
Delta R.T. 0.00 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 41.2  | 35.8  | 53.8  |
| 55      | 30.8  | 21.4  | 32.2  |
| 61      | 24.9  | 19.5  | 29.3  |





#75

1,1,2,2-Tetrachloroethane

Concen: 1.81 ug/l

RT: 12.73 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA\_W

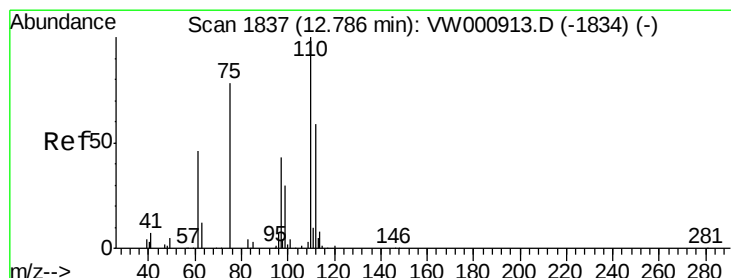
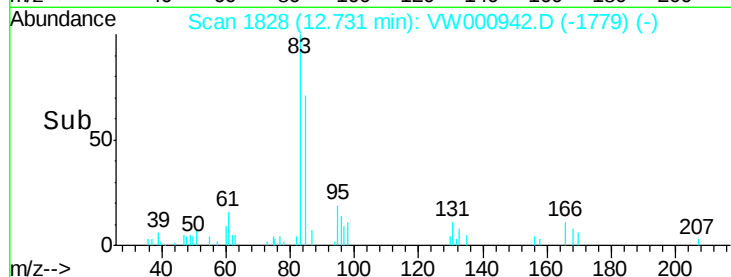
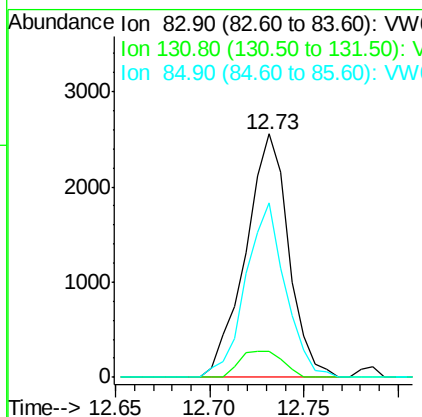
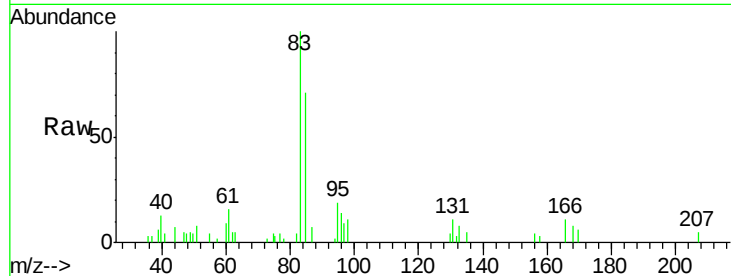
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 4047  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 10.8  | 5.9   | 17.7  |
| 85       | 66.1  | 32.6  | 97.7  |

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1/25/2018 1:33:54 PM



#76

1,2,3-Trichloropropane

Concen: 1.85 ug/l m

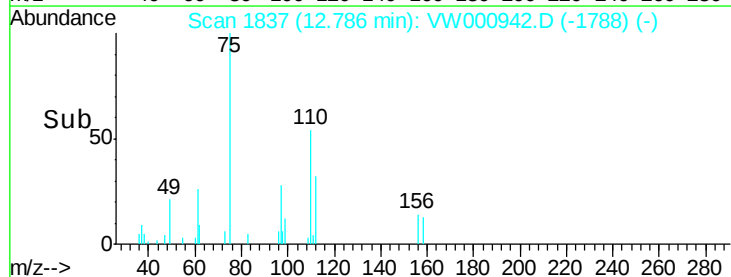
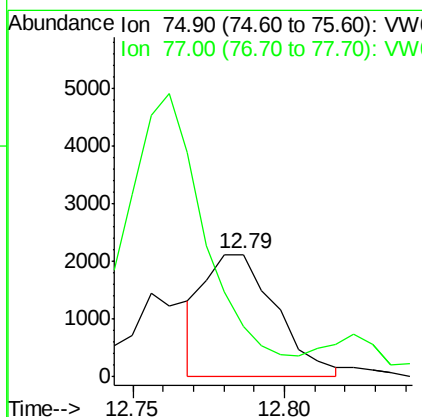
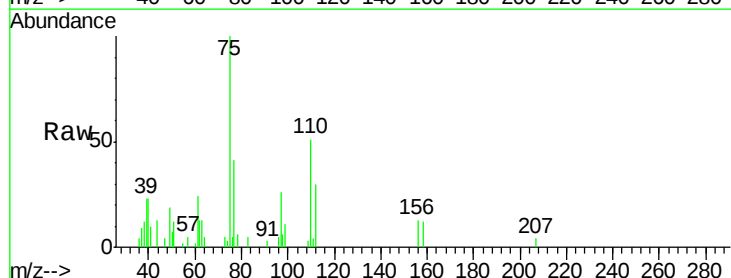
RT: 12.79 min Scan# 1837

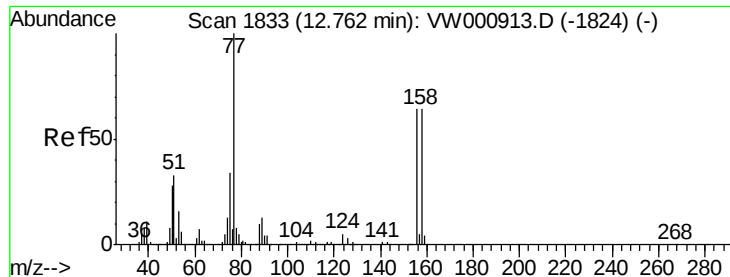
Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 3472  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 1.93 ug/l

RT: 12.76 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA\_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

Tot Ion:156 Resp: 5135

Ion Ratio Lower Upper

156 100

77 180.1 89.0 267.1

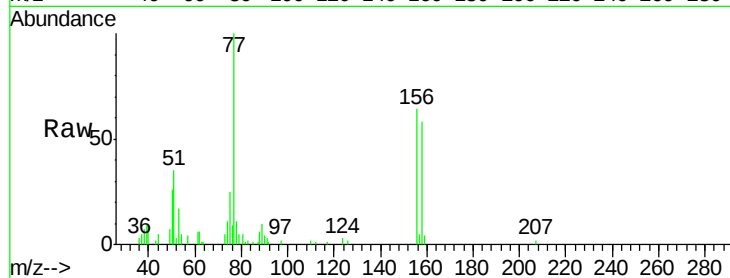
158 92.5 48.9 146.8

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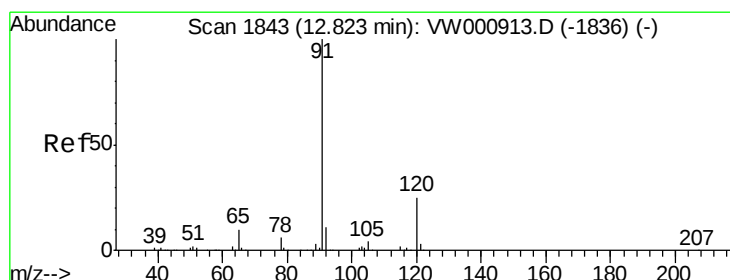
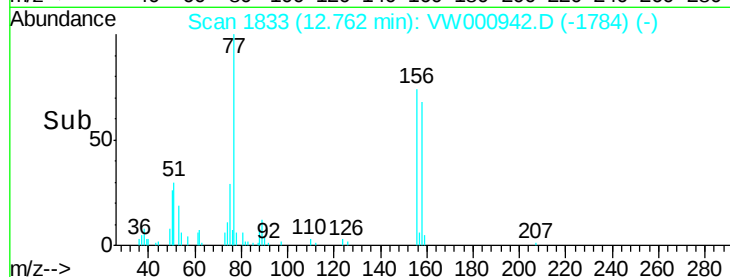
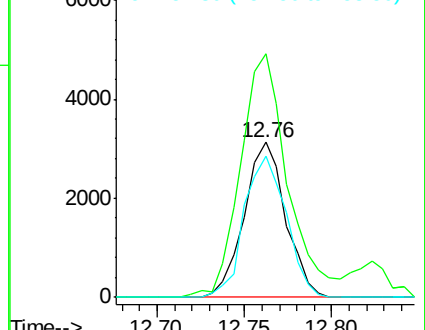
1/25/2018 1:33:54 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.87 ug/l

RT: 12.82 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VW000942.D

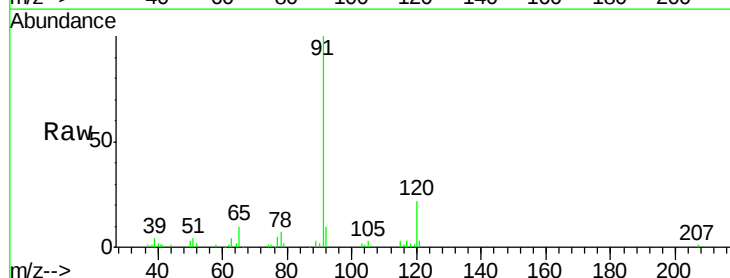
Acq: 24 Jan 2018 12:21

Tgt Ion: 91 Resp: 23554

Ion Ratio Lower Upper

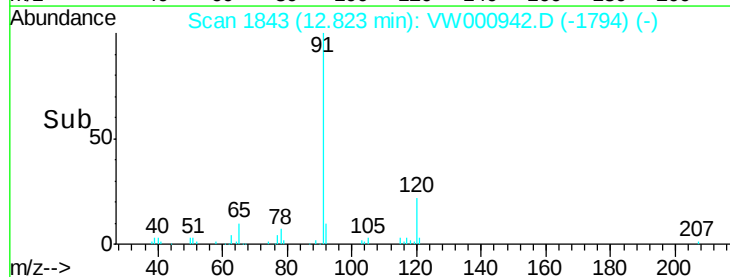
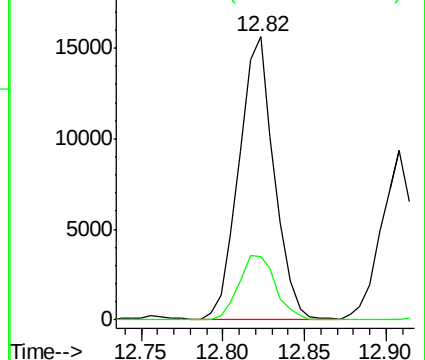
91 100

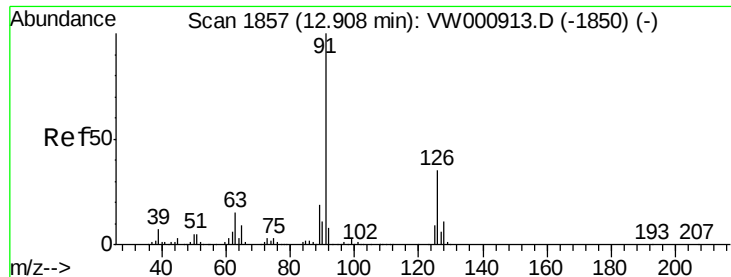
120 23.6 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.95 ug/l

RT: 12.91 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA\_W

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

Tot Ion: 91 Resp: 13871

Ion Ratio Lower Upper

91 100

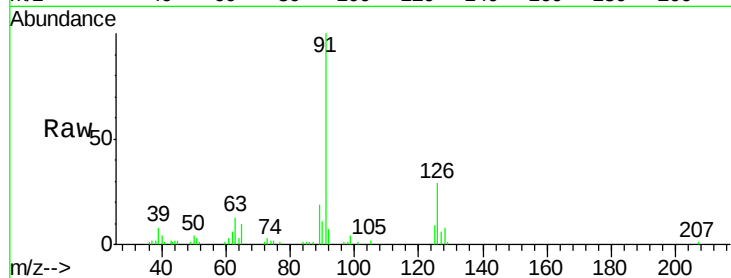
126 34.7 17.6 52.8

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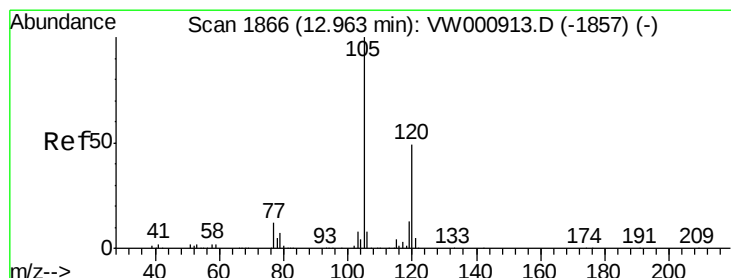
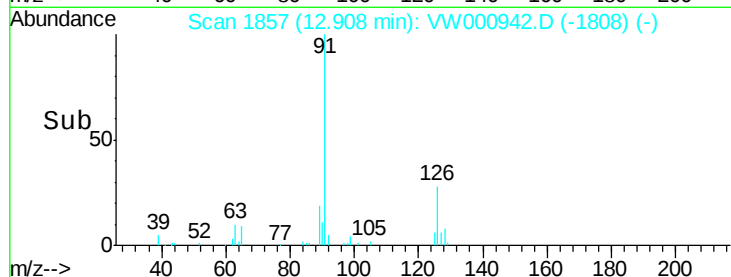
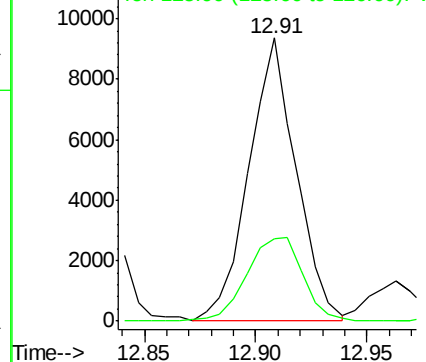
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 1.70 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. -0.01 min

Lab File: VW000942.D

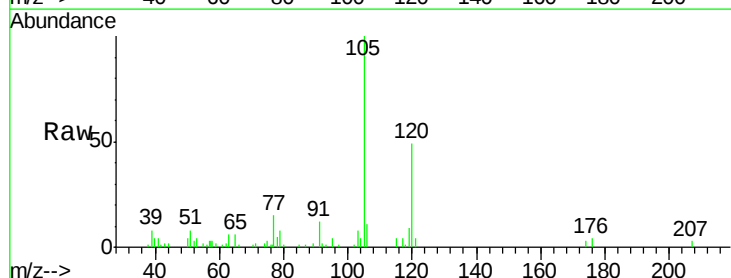
Acq: 24 Jan 2018 12:21

Tgt Ion:105 Resp: 15105

Ion Ratio Lower Upper

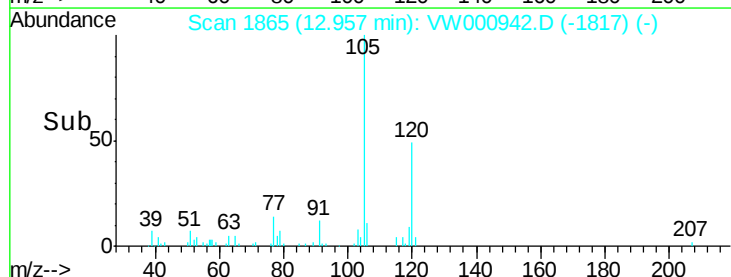
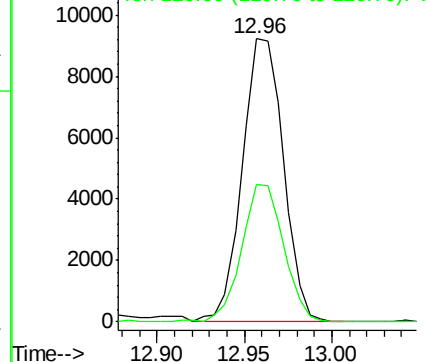
105 100

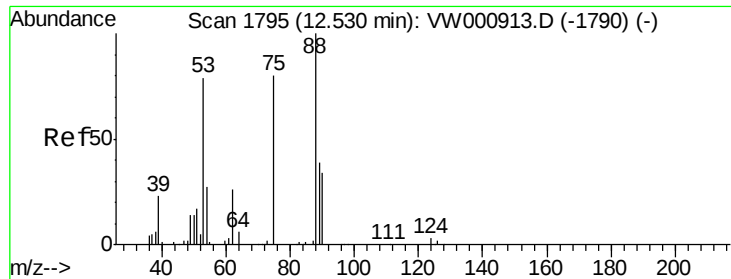
120 49.8 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 5.44 ug/l m

RT: 12.52 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA\_W

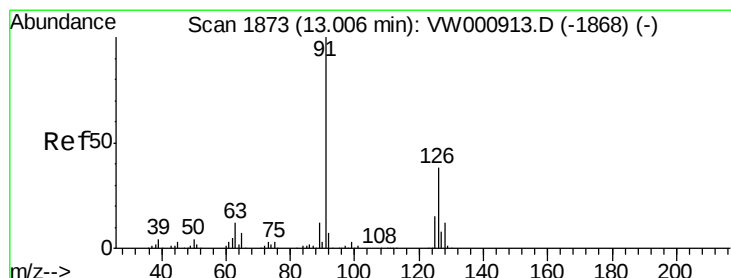
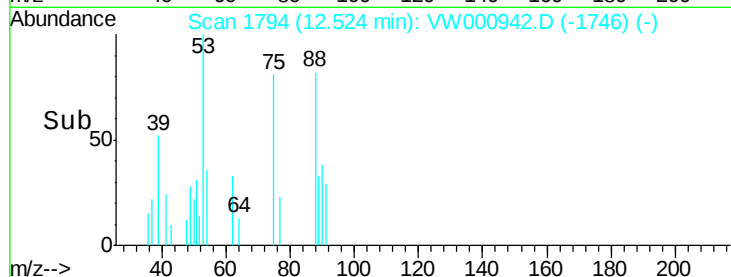
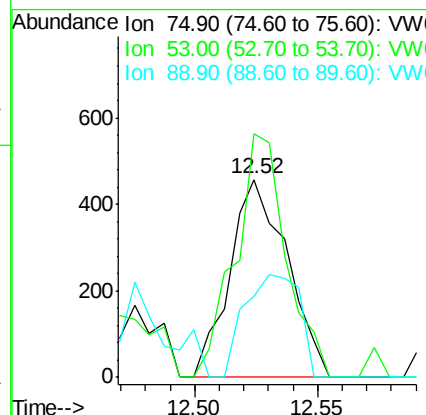
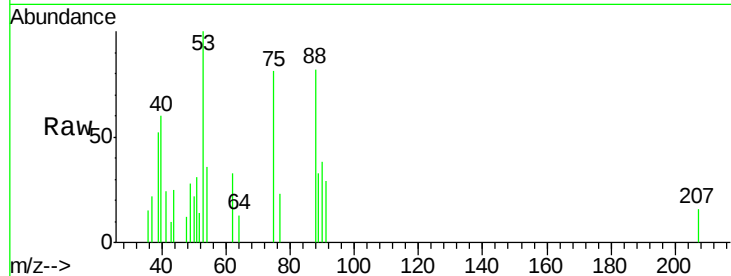
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 75    | Resp: | 745    |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 18.4  | 77.5  | 116.3# |
| 89       | 26.7  | 38.2  | 57.4#  |

Manual Integrations  
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1/25/2018 1:33:54 PM



#82

4-Chlorotoluene

Concen: 1.87 ug/l

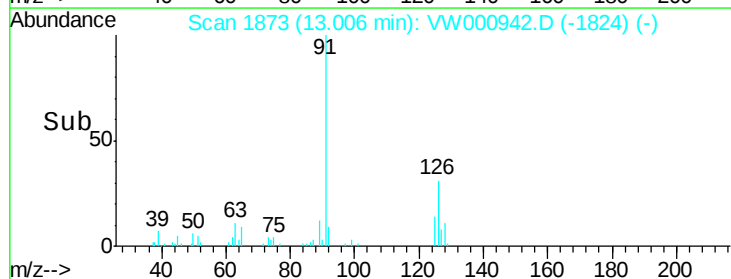
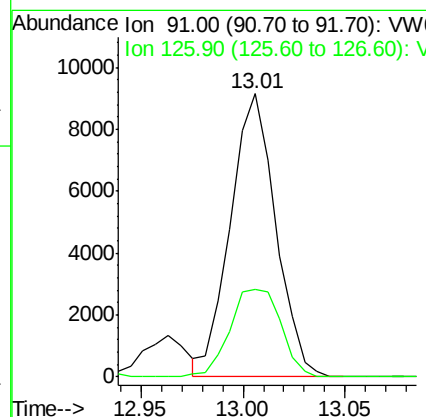
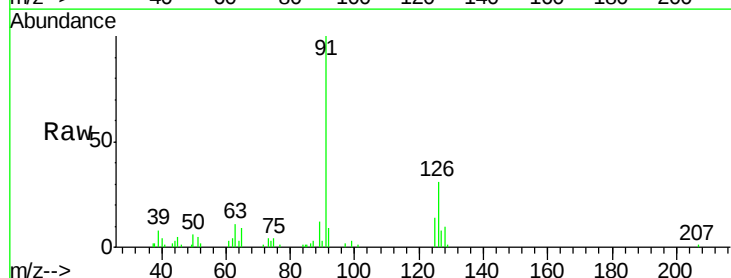
RT: 13.01 min Scan# 1873

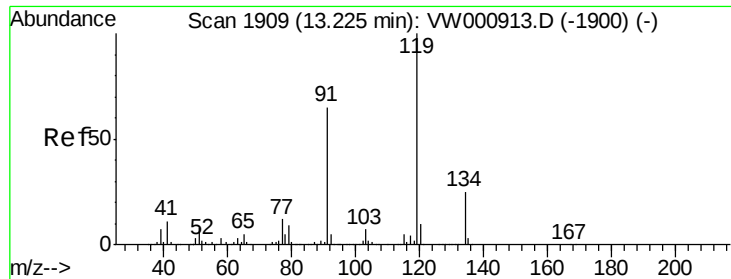
Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 14099 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 126      | 34.8  | 17.6  | 52.9  |





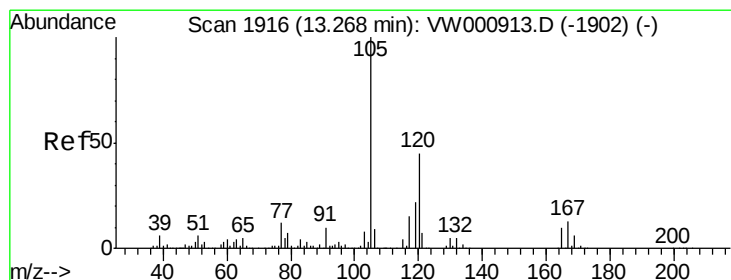
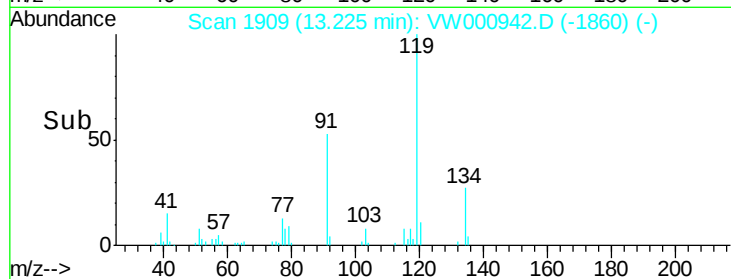
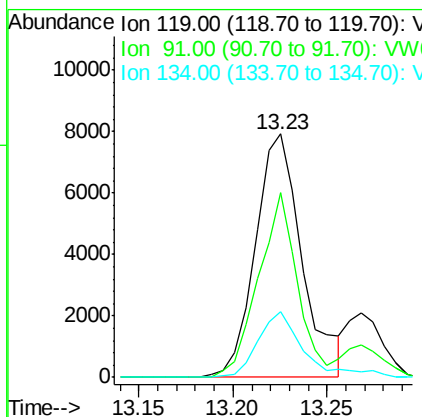
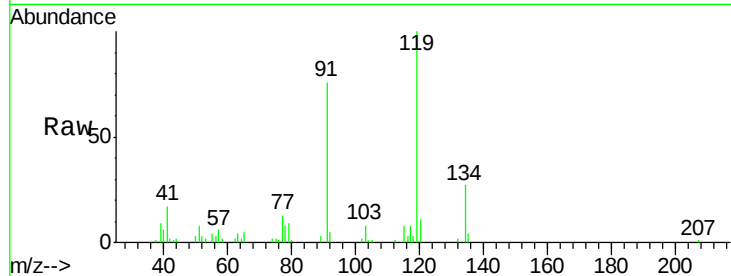
#83  
tert-Butylbenzene  
Concen: 1.75 ug/l  
RT: 13.23 min Scan# 1909  
Delta R.T. 0.00 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 62.8  | 32.4  | 97.0  |
| 134     | 26.4  | 13.1  | 39.3  |

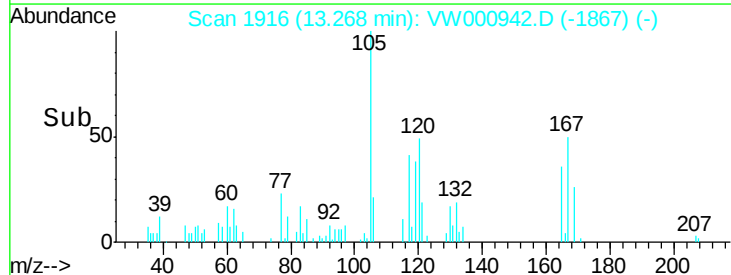
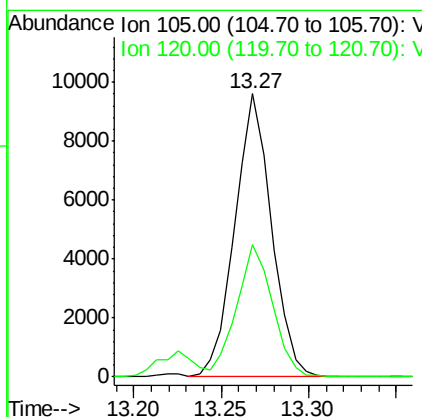
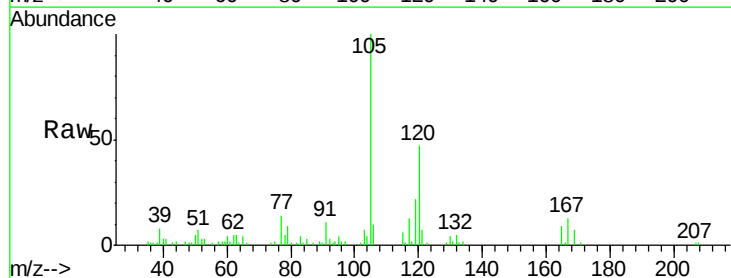
Manual Integrations  
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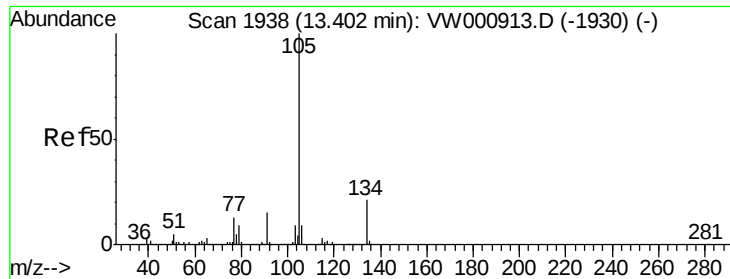
MMDadoda  
1/25/2018 1:33:54 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 1.56 ug/l  
RT: 13.27 min Scan# 1916  
Delta R.T. 0.00 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.6  | 22.4  | 67.0  |





#85

sec-Butylbenzene

Concen: 1.73 ug/l

RT: 13.40 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

Instrument :

MSVOA\_W

ClientSampled :

LOD-MDL-SOIL-01-QT1-2018

Tot Ion:105 Resp: 19438

Ion Ratio Lower Upper

105 100

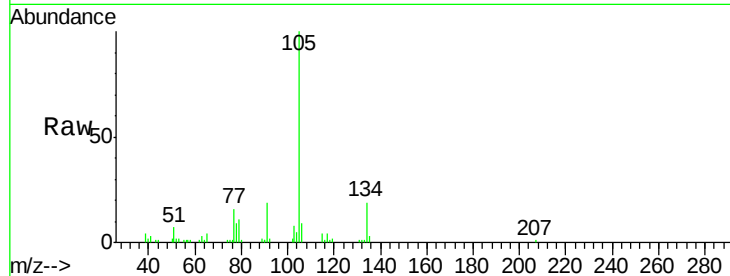
134 21.5 10.3 30.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

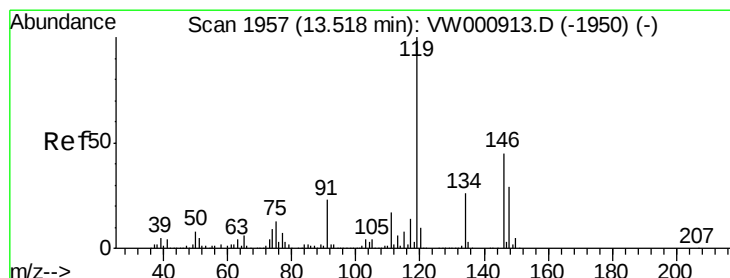
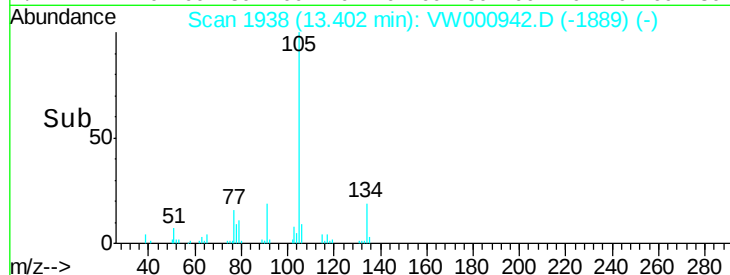
10000

5000

0

13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 1.62 ug/l

RT: 13.52 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VW000942.D

Acq: 24 Jan 2018 12:21

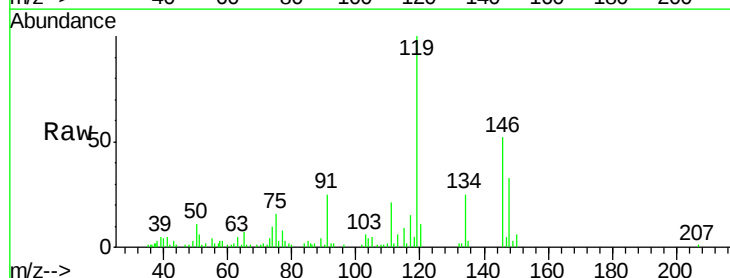
Tgt Ion:119 Resp: 16155

Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.6

91 28.4 11.7 35.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

15000

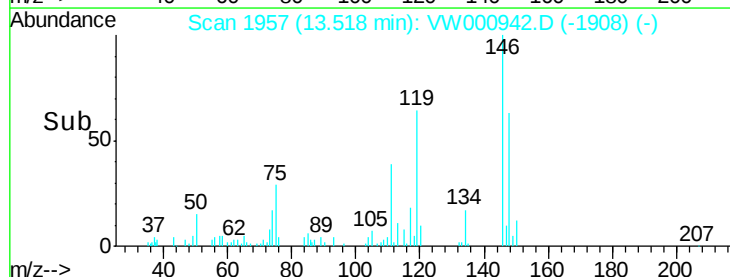
10000

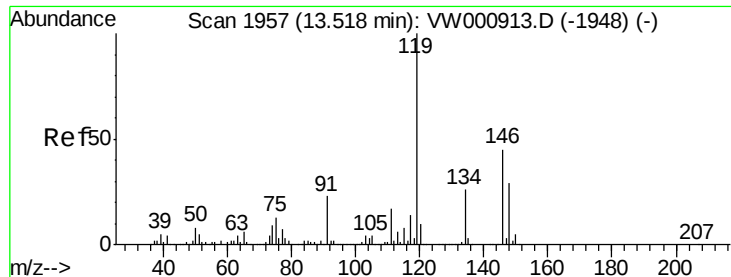
5000

0

13.40 13.45 13.50 13.55

Time-->





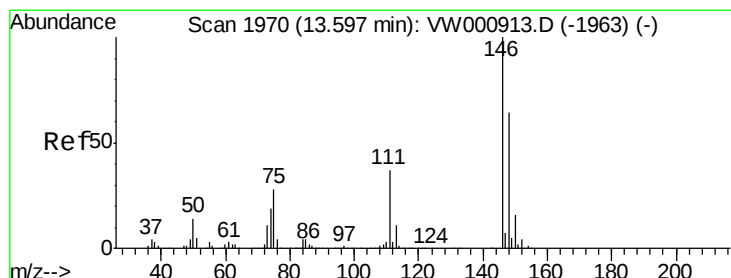
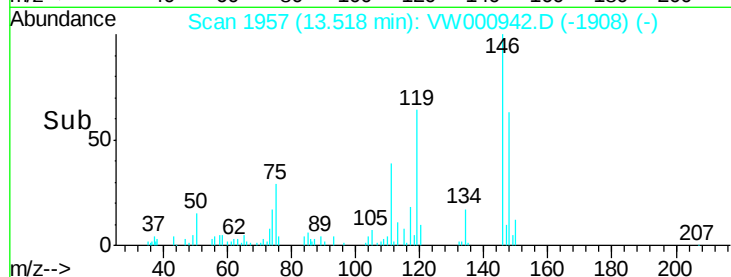
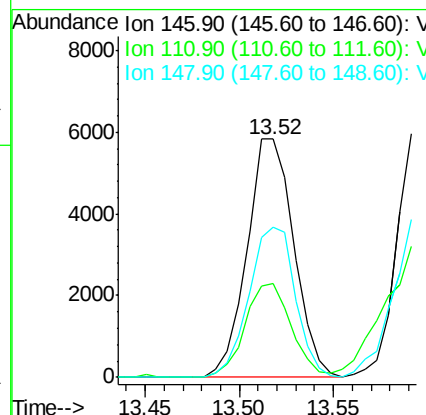
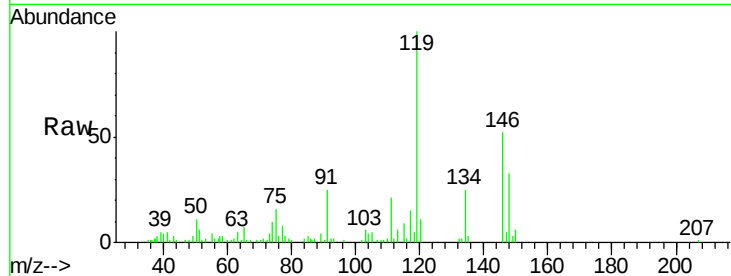
#87  
1,3-Dichlorobenzene  
Concen: 1.91 ug/l  
RT: 13.52 min Scan# 1957  
Delta R.T. 0.00 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.9  | 19.7  | 59.0  |
| 148     | 62.2  | 32.4  | 97.0  |

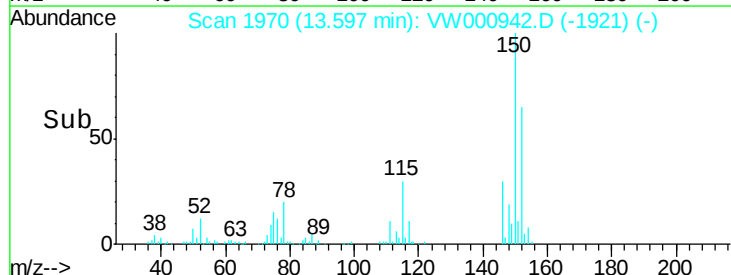
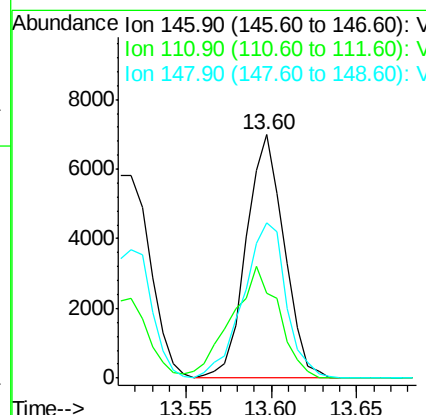
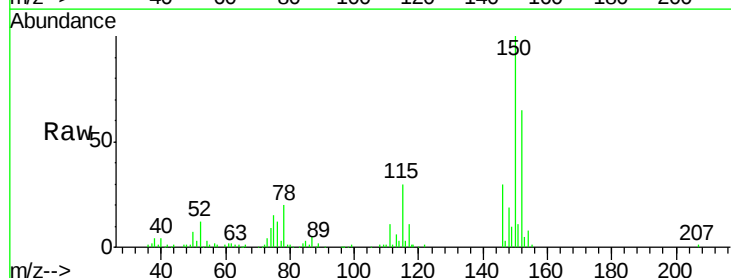
Manual Integrations  
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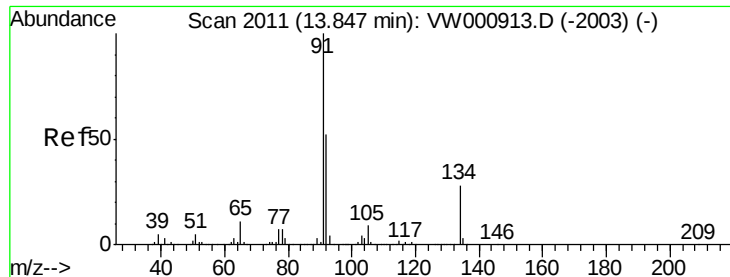
MMDadoda  
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#88  
1,4-Dichlorobenzene  
Concen: 2.06 ug/l m  
RT: 13.60 min Scan# 1970  
Delta R.T. 0.00 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.0  | 19.0  | 57.0  |
| 148     | 57.6  | 32.4  | 97.2  |





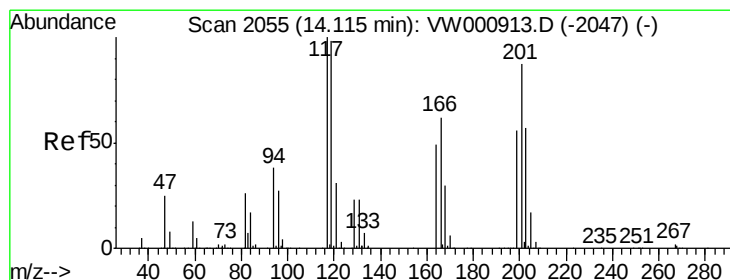
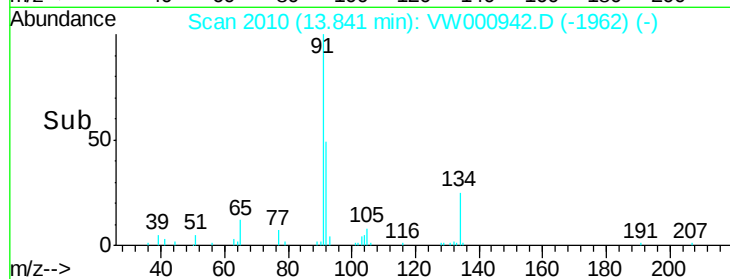
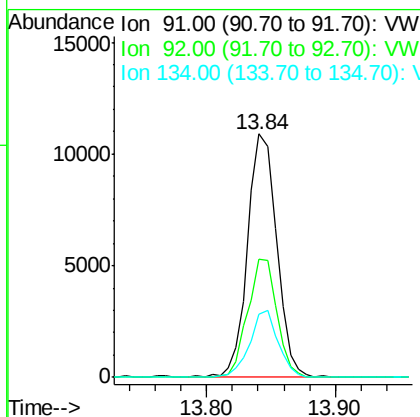
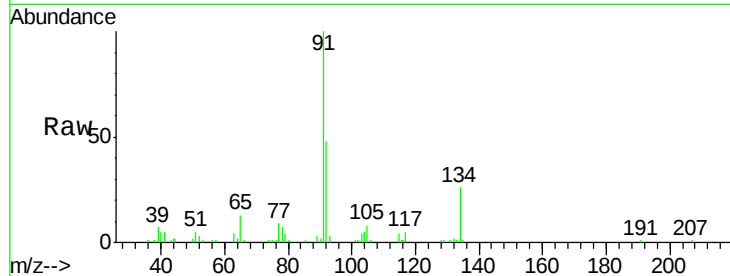
#89  
n-Butylbenzene  
Concen: 1.81 ug/l  
RT: 13.84 min Scan# 2010  
Delta R.T. -0.01 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

Instrument :  
MSVOA\_W  
ClientSampled :  
LOD-MDL-SOIL-01-QT1-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 48.6  | 26.2  | 78.6  |
| 134     | 26.7  | 13.7  | 41.1  |

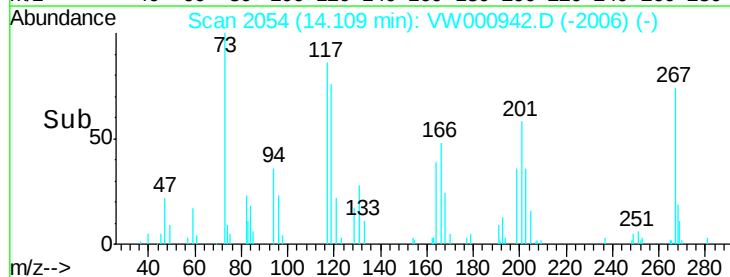
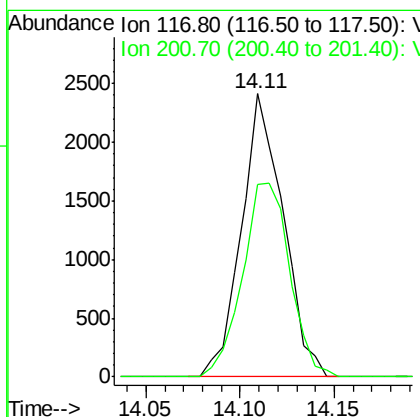
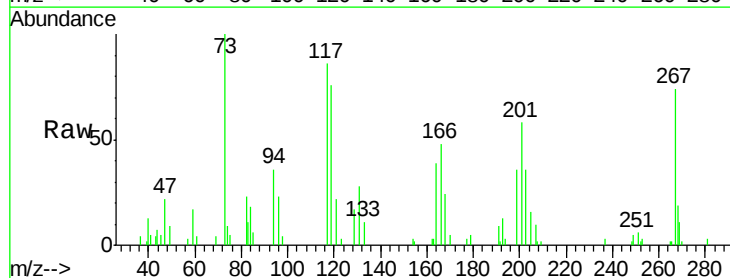
Manual Integrations  
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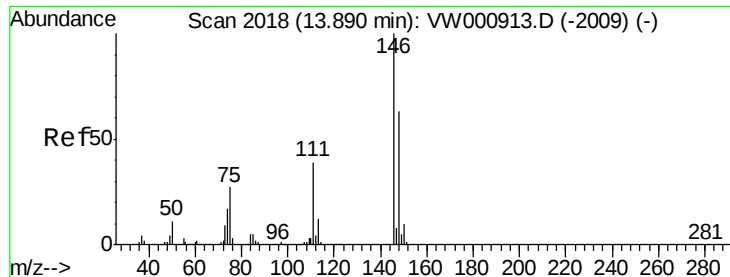
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#90  
Hexachloroethane  
Concen: 2.00 ug/l  
RT: 14.11 min Scan# 2054  
Delta R.T. -0.01 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 77.5  | 42.8  | 128.3 |





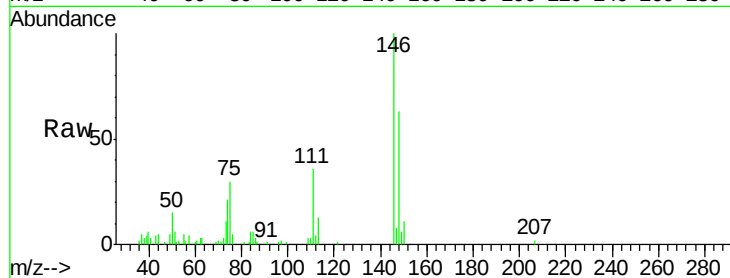
#91  
 1,2-Dichlorobenzene  
 Concen: 1.92 ug/l  
 RT: 13.89 min Scan# 2018  
 Delta R.T. 0.00 min  
 Lab File: VW000942.D  
 Acq: 24 Jan 2018 12:21

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2018

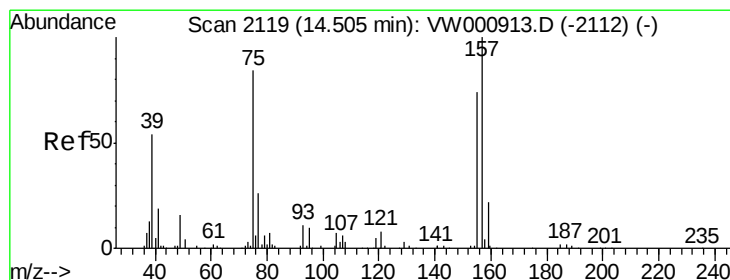
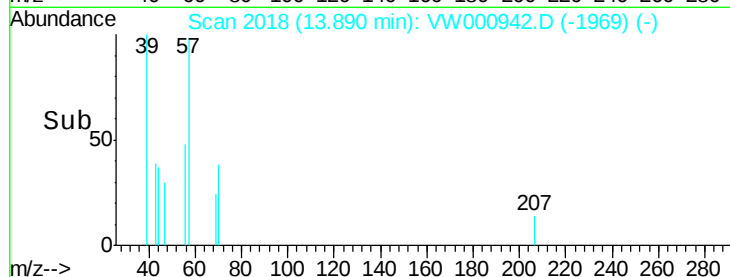
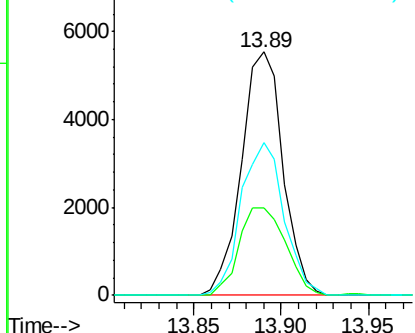
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.6  | 19.8  | 59.4  |
| 148     | 65.0  | 31.8  | 95.3  |

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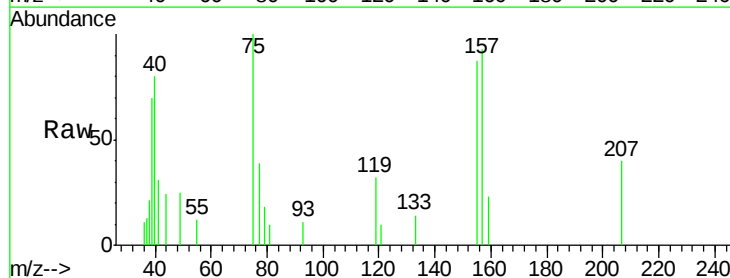


Abundance Ion 145.90 (145.60 to 146.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

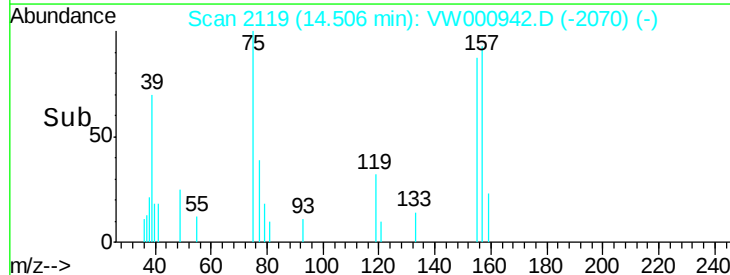
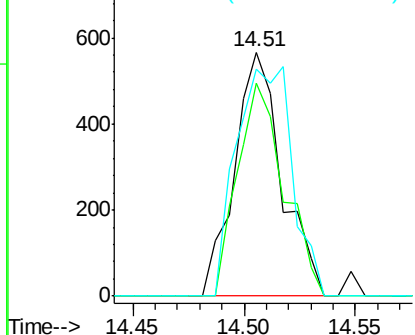


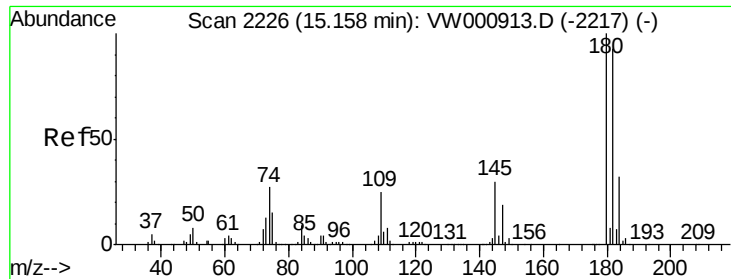
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 1.70 ug/l  
 RT: 14.51 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VW000942.D  
 Acq: 24 Jan 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 85.9  | 45.9  | 137.6 |
| 157     | 111.0 | 59.8  | 179.3 |



Abundance Ion 74.90 (74.60 to 75.60): VW  
 Ion 154.80 (154.50 to 155.50): V  
 Ion 156.80 (156.50 to 157.50): V





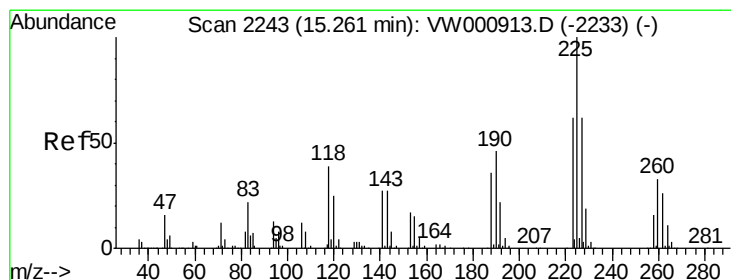
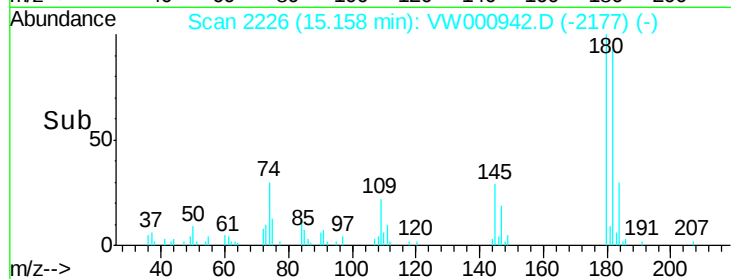
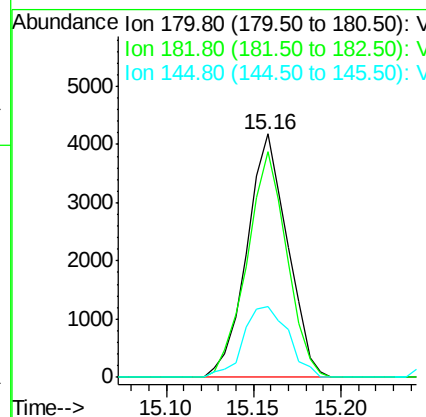
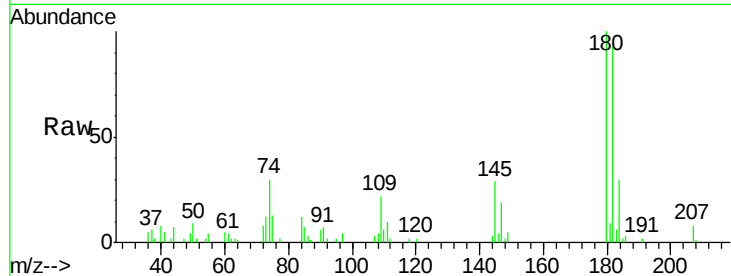
#93  
 1,2,4-Trichlorobenzene  
 Concen: 1.92 ug/l  
 RT: 15.16 min Scan# 2226  
 Delta R.T. 0.00 min  
 Lab File: VW000942.D  
 Acq: 24 Jan 2018 12:21

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 90.9  | 47.5  | 142.6 |
| 145     | 32.2  | 14.9  | 44.7  |

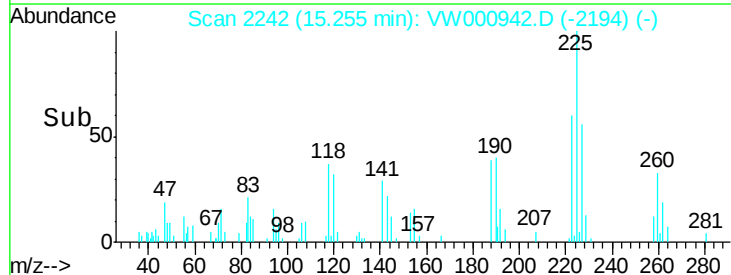
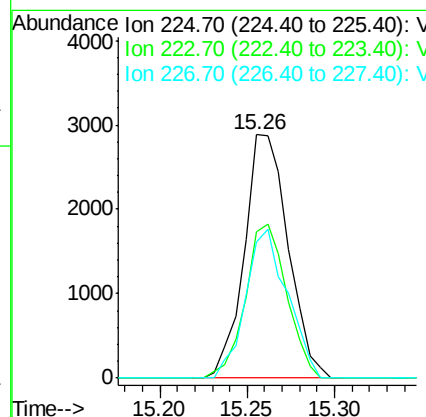
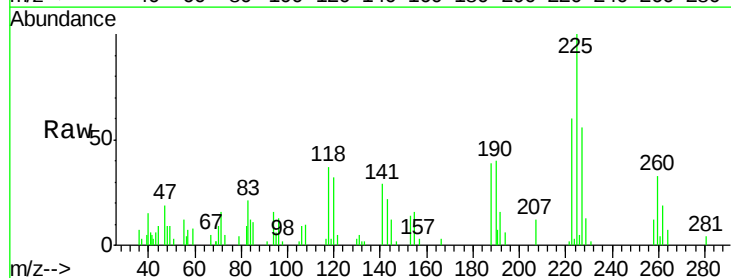
Manual Integrations  
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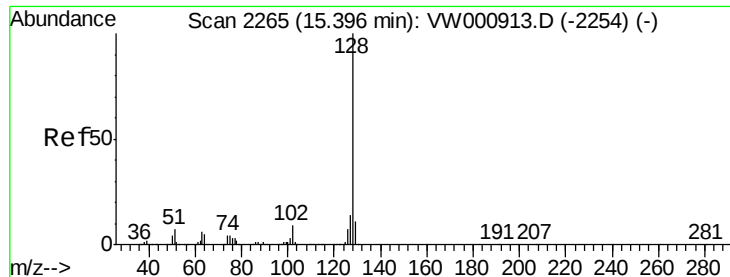
MMDadoda  
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#94  
 Hexachlorobutadiene  
 Concen: 2.24 ug/l  
 RT: 15.26 min Scan# 2242  
 Delta R.T. -0.01 min  
 Lab File: VW000942.D  
 Acq: 24 Jan 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 59.6  | 31.3  | 93.8  |
| 227     | 58.1  | 31.8  | 95.3  |





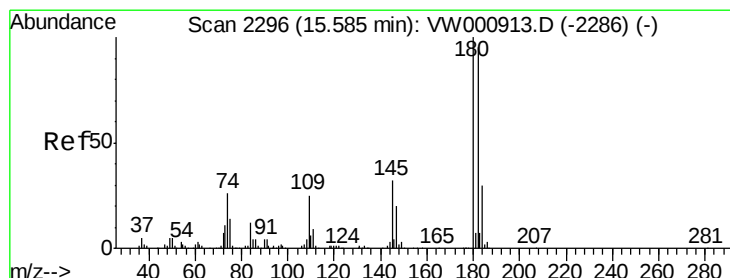
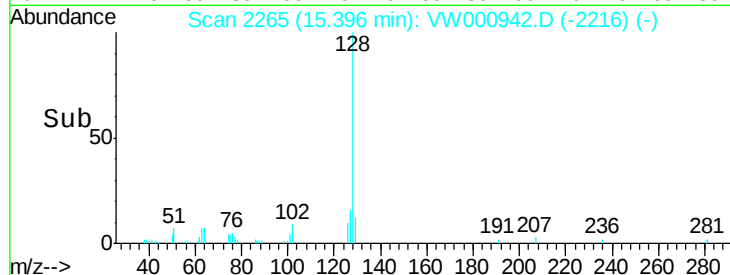
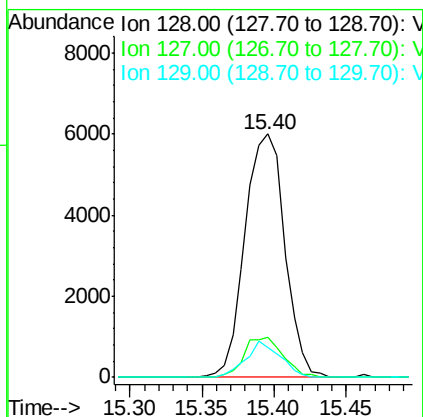
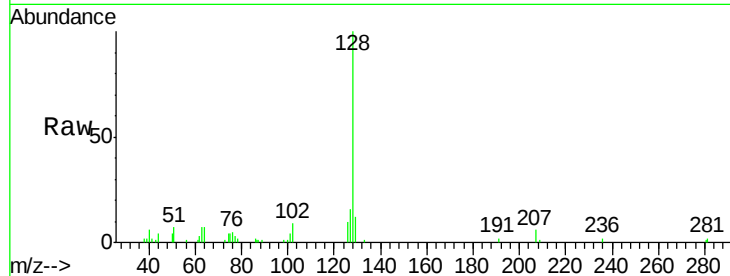
#95  
Naphthalene  
Concen: 1.53 ug/l  
RT: 15.40 min Scan# 2265  
Delta R.T. 0.00 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 16.0  | 10.6  | 15.8# |
| 129     | 12.7  | 8.7   | 13.1  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 1.83 ug/l  
RT: 15.58 min Scan# 2295  
Delta R.T. -0.01 min  
Lab File: VW000942.D  
Acq: 24 Jan 2018 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 103.9 | 47.4  | 142.3 |
| 145     | 32.7  | 15.8  | 47.3  |

