

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030320\  
 Data File : VY001831.D  
 Acq On : 03 Mar 2020 13:52  
 Operator : SY/MD  
 Sample : L1161-02 5PPBL00  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2020

Manual Integrations  
 APPROVED

MMDadoda  
 3/4/2020 2:02:08 PM

Quant Time: Mar 04 04:33:29 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y021720S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 04 04:23:36 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.81  | 168  | 160233   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.71  | 114  | 291876   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.50 | 117  | 257064   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.43 | 152  | 122459   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |       |
|---------------------------|--------|-----|----------|-------|---------|-------|
| 33) 1,2-Dichloroethane-d4 | 8.16   | 65  | 94447    | 54.80 | ug/l    | 0.00  |
| Spiked Amount             | 50.000 |     | Recovery | =     | 109.60% |       |
| 35) Dibromofluoromethane  | 7.74   | 113 | 86082    | 51.49 | ug/l    | -0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.98% |       |
| 50) Toluene-d8            | 10.19  | 98  | 353042   | 53.90 | ug/l    | 0.00  |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.80% |       |
| 62) 4-Bromofluorobenzene  | 12.49  | 95  | 127624   | 50.16 | ug/l    | 0.00  |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.32% |       |

## Target Compounds

|                               |      |     |        |        |        | Qvalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.91 | 85  | 9459   | 6.056  | ug/l   | 99     |
| 3) Chloromethane              | 2.12 | 50  | 12003  | 5.713  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.26 | 62  | 11615  | 5.481  | ug/l   | 92     |
| 5) Bromomethane               | 2.66 | 94  | 8065   | 6.090  | ug/l   | 98     |
| 6) Chloroethane               | 2.80 | 64  | 7315   | 5.602  | ug/l   | 94     |
| 7) Trichlorofluoromethane     | 3.14 | 101 | 17927  | 6.610  | ug/l   | 95     |
| 8) Diethyl Ether              | 3.55 | 74  | 6170   | 5.771  | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.93 | 101 | 10202  | 5.985  | ug/l   | 96     |
| 10) Methyl Iodide             | 4.11 | 142 | 9810   | 4.702  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 4.96 | 59  | 10071m | 42.110 | ug/l   |        |
| 12) 1,1-Dichloroethene        | 3.90 | 96  | 10011  | 5.758  | ug/l   | 95     |
| 13) Acrolein                  | 3.75 | 56  | 3657   | 21.009 | ug/l   | 100    |
| 14) Allyl chloride            | 4.50 | 41  | 18645  | 6.026  | ug/l   | 95     |
| 15) Acrylonitrile             | 5.20 | 53  | 15926  | 29.062 | ug/l   | 98     |
| 16) Acetone                   | 3.97 | 43  | 13715  | 22.998 | ug/l   | 95     |
| 17) Carbon Disulfide          | 4.22 | 76  | 30620  | 5.275  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.50 | 43  | 12413  | 9.558  | ug/l   | 96     |
| 19) Methyl tert-butyl Ether   | 5.25 | 73  | 27368  | 5.654  | ug/l   | 94     |
| 20) Methylene Chloride        | 4.74 | 84  | 22637  | 10.686 | ug/l   | 99     |
| 21) trans-1,2-Dichloroethene  | 5.25 | 96  | 11504  | 5.800  | ug/l   | 93     |
| 22) Diisopropyl ether         | 6.15 | 45  | 36371  | 5.724  | ug/l   | 94     |
| 23) Vinyl Acetate             | 6.09 | 43  | 98694  | 23.812 | ug/l   | 97     |
| 24) 1,1-Dichloroethane        | 6.05 | 63  | 19853  | 5.846  | ug/l   | 97     |
| 25) 2-Butanone                | 7.01 | 43  | 20738  | 25.598 | ug/l   | 97     |
| 26) 2,2-Dichloropropane       | 7.01 | 77  | 16016  | 5.420  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 7.01 | 96  | 12747  | 5.822  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.35 | 49  | 7317   | 5.172  | ug/l   | 98     |
| 29) Tetrahydrofuran           | 7.37 | 42  | 13635  | 27.846 | ug/l   | 99     |
| 30) Chloroform                | 7.53 | 83  | 19032  | 5.735  | ug/l   | 96     |
| 31) Cyclohexane               | 7.80 | 56  | 23161  | 6.396  | ug/l # | 81     |
| 32) 1,1,1-Trichloroethane     | 7.72 | 97  | 15757  | 5.650  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 7.94 | 75  | 15534  | 5.572  | ug/l   | 98     |
| 37) Ethyl Acetate             | 7.10 | 43  | 9567   | 5.749  | ug/l   | 98     |
| 38) Carbon Tetrachloride      | 7.91 | 117 | 13499  | 5.512  | ug/l   | 99     |

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 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2020

Manual Integrations  
 APPROVED

MMDadoda  
 3/4/2020 2:02:08 PM

Quant Time: Mar 04 04:33:29 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y021720S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 04 04:23:36 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.19  | 83   | 19995    | 5.406   | ug/l   | 94       |
| 40) Benzene                    | 8.17  | 78   | 46507    | 5.672   | ug/l   | 95       |
| 41) Methacrylonitrile          | 7.33  | 41   | 3890m    | 4.656   | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.25  | 62   | 13045    | 5.840   | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.29  | 43   | 17495    | 5.541   | ug/l   | 100      |
| 44) Trichloroethene            | 8.96  | 130  | 11084    | 5.415   | ug/l   | 92       |
| 45) 1,2-Dichloropropane        | 9.23  | 63   | 11985    | 5.836   | ug/l   | 96       |
| 46) Dibromomethane             | 9.31  | 93   | 5621     | 5.233   | ug/l   | 90       |
| 47) Bromodichloromethane       | 9.50  | 83   | 13807    | 5.326   | ug/l   | 95       |
| 48) Methyl methacrylate        | 9.30  | 41   | 7302     | 5.114   | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.30  | 88   | 1641     | 108.174 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 10.08 | 43   | 43590    | 26.872  | ug/l   | 97       |
| 52) Toluene                    | 10.25 | 92   | 28834    | 5.637   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.47 | 75   | 14785    | 5.159   | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene    | 9.94  | 75   | 17632    | 5.346   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.66 | 97   | 8652     | 5.463   | ug/l   | 91       |
| 56) Ethyl methacrylate         | 10.52 | 69   | 12010    | 5.055   | ug/l   | 92       |
| 57) 1,3-Dichloropropane        | 10.80 | 76   | 15513    | 5.513   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.80  | 63   | 28096    | 28.318  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.84 | 43   | 30226    | 24.834  | ug/l   | 95       |
| 60) Dibromochloromethane       | 11.00 | 129  | 8689     | 4.976   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.10 | 107  | 8353     | 5.578   | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.73 | 164  | 9985     | 6.187   | ug/l   | 90       |
| 65) Chlorobenzene              | 11.52 | 112  | 28744    | 5.601   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.60 | 131  | 9344     | 5.397   | ug/l   | 97       |
| 67) Ethyl Benzene              | 11.60 | 91   | 53462    | 5.613   | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.71 | 106  | 39814    | 11.191  | ug/l   | 99       |
| 69) o-Xylene                   | 12.03 | 106  | 18990    | 5.614   | ug/l   | 100      |
| 70) Styrene                    | 12.05 | 104  | 31298    | 5.324   | ug/l   | 99       |
| 71) Bromoform                  | 12.21 | 173  | 4817     | 4.869   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.33 | 105  | 49855    | 5.344   | ug/l   | 99       |
| 74) N-amyl acetate             | 12.15 | 43   | 15723    | 5.281   | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.59 | 83   | 10630    | 5.336   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.64 | 75   | 8174m    | 5.819   | ug/l   |          |
| 77) Bromobenzene               | 12.61 | 156  | 10764    | 5.322   | ug/l   | 99       |
| 78) n-propylbenzene            | 12.68 | 91   | 62535    | 5.504   | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.77 | 91   | 34675    | 5.441   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 12.82 | 105  | 41846    | 5.419   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.39 | 75   | 3391     | 4.580   | ug/l   | 90       |
| 82) 4-Chlorotoluene            | 12.86 | 91   | 36652    | 5.453   | ug/l   | 98       |
| 83) tert-Butylbenzene          | 13.08 | 119  | 35460    | 5.490   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.13 | 105  | 42585    | 5.531   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.26 | 105  | 51744    | 5.447   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.38 | 119  | 45755    | 5.545   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.38 | 146  | 22279    | 5.680   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.45 | 146  | 22185    | 5.596   | ug/l   | 95       |
| 89) n-Butylbenzene             | 13.70 | 91   | 47501    | 5.633   | ug/l   | 97       |
| 90) Hexachloroethane           | 13.97 | 117  | 8024     | 5.161   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.75 | 146  | 19747    | 5.456   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.37 | 75   | 1760     | 5.354   | ug/l   | 83       |

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Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT1-2020

Manual Integrations  
APPROVED

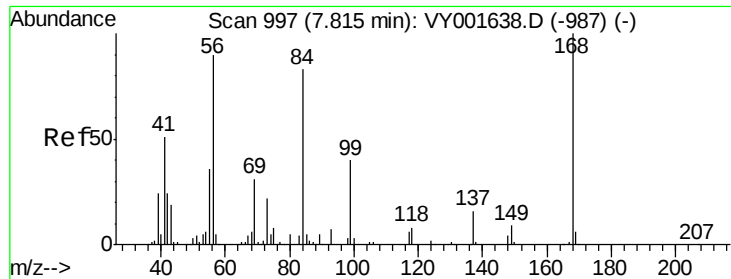
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3/4/2020 2:02:08 PM

Quant Time: Mar 04 04:33:29 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y021720S.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 04 04:23:36 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.02 | 180  | 13052    | 5.441 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.12 | 225  | 6503     | 5.451 | ug/l  | 98       |
| 95) Naphthalene            | 15.25 | 128  | 29437    | 5.323 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.43 | 180  | 11728    | 5.558 | ug/l  | 97       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA\_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion:168 Resp: 160233

Ion Ratio Lower Upper

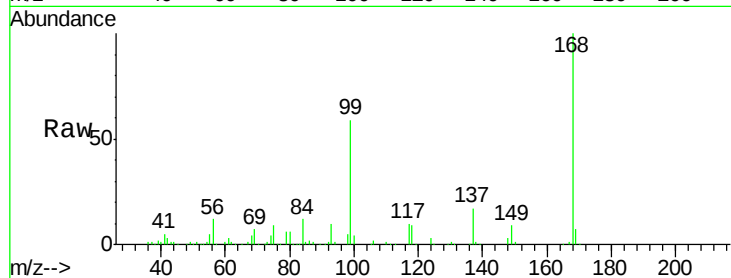
168 100

99 59.0 47.5 71.3

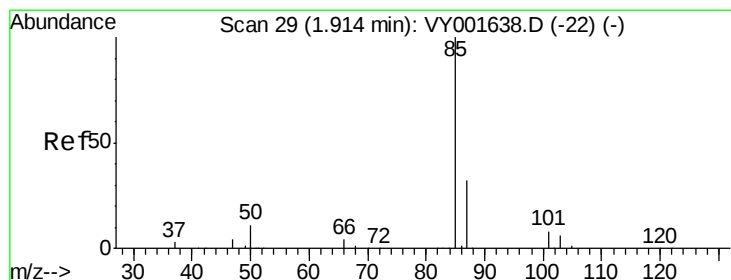
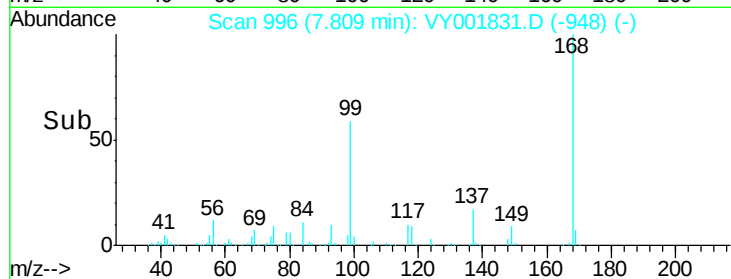
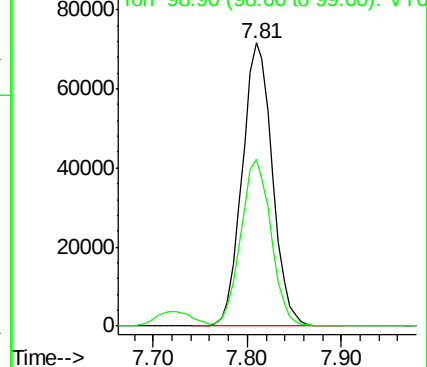
Manual Integrations  
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Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)



#2

Dichlorodifluoromethane

Concen: 6.056 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001831.D

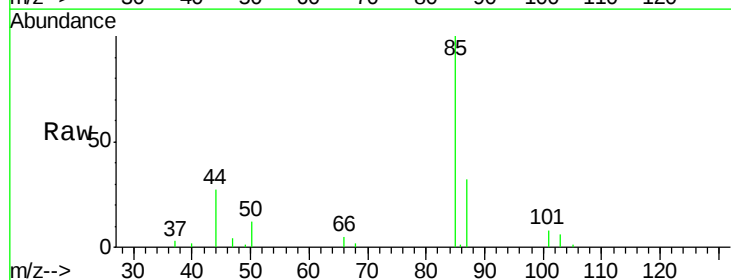
Acq: 03 Mar 2020 13:52

Tgt Ion: 85 Resp: 9459

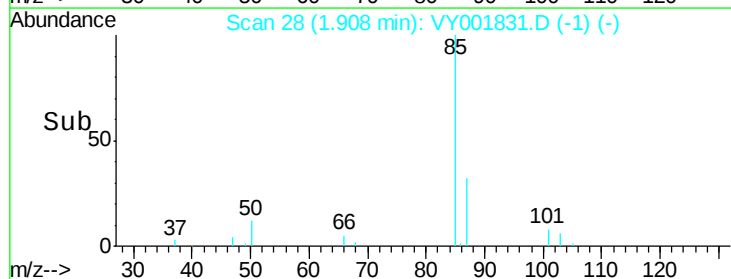
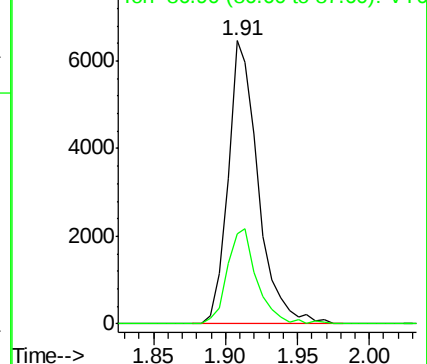
Ion Ratio Lower Upper

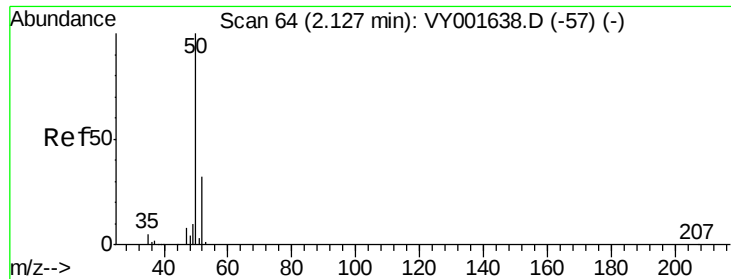
85 100

87 31.8 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001638.D (-22) (-)





#3

Chloromethane

Concen: 5.713 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA\_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion: 50 Resp: 12003

Ion Ratio Lower Upper

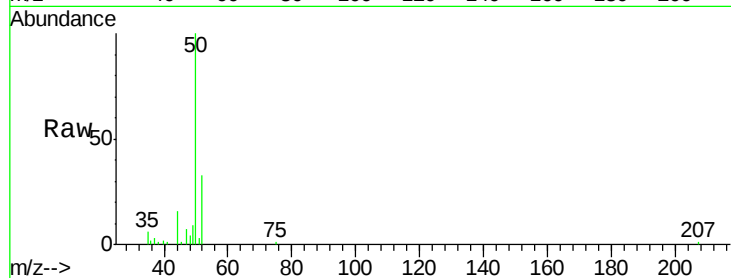
50 100

52 32.7 25.8 38.6

Manual Integrations  
APPROVED

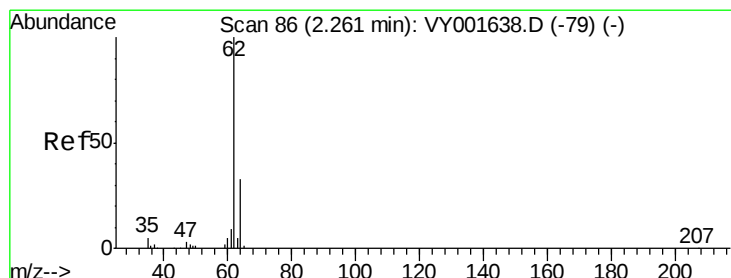
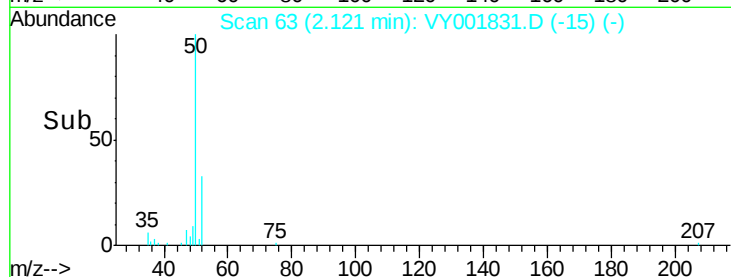
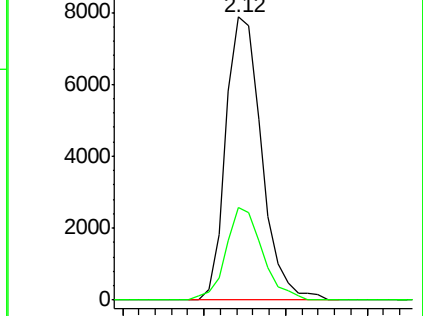
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3/4/2020 2:02:08 PM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 5.481 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY001831.D

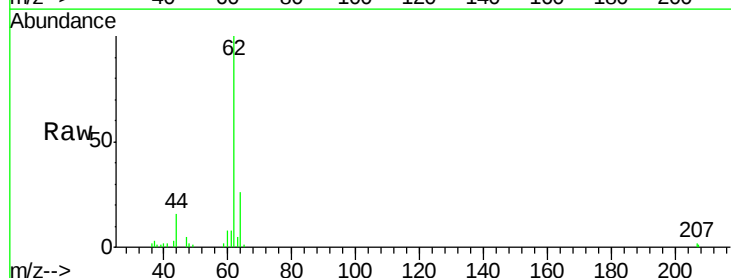
Acq: 03 Mar 2020 13:52

Tgt Ion: 62 Resp: 11615

Ion Ratio Lower Upper

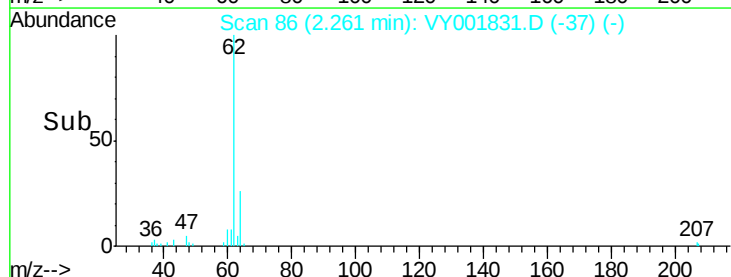
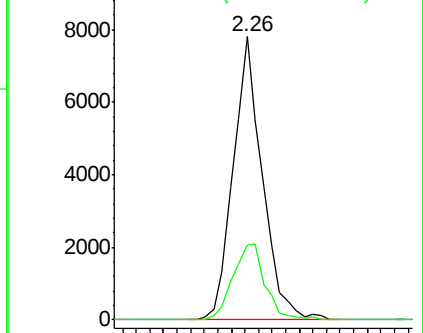
62 100

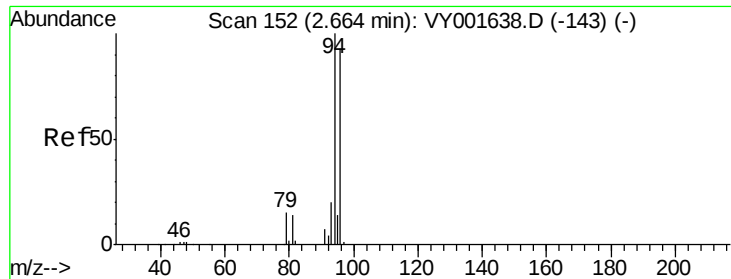
64 26.5 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 6.090 ug/l

RT: 2.66 min Scan# 152

Delta R.T. -0.00 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA\_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion: 94 Resp: 8065

Ion Ratio Lower Upper

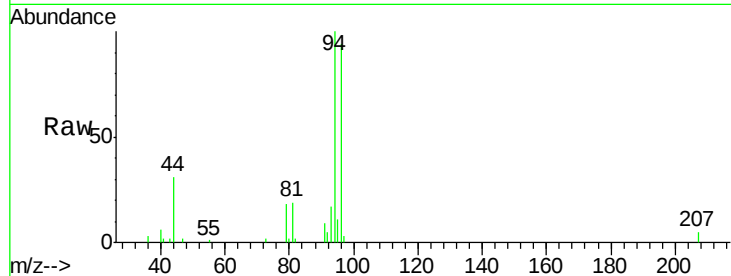
94 100

96 94.1 73.7 110.5

Manual Integrations  
APPROVED

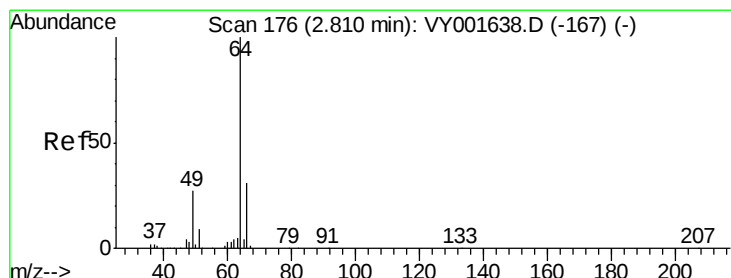
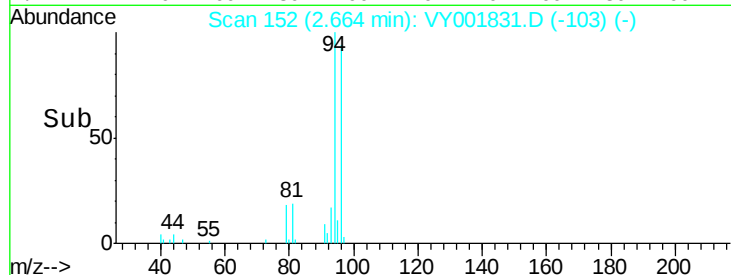
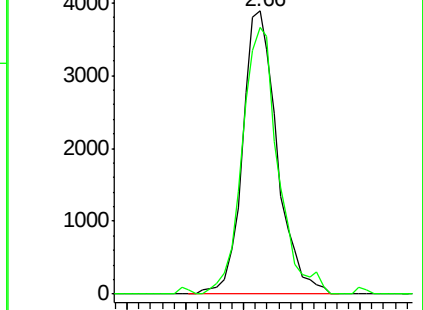
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Abundance Ion 93.90 (93.60 to 94.60): VY001831.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VY001831.D (-152) (-)



#6

Chloroethane

Concen: 5.602 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001831.D

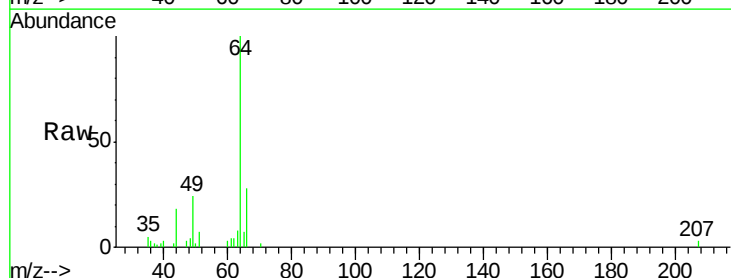
Acq: 03 Mar 2020 13:52

Tgt Ion: 64 Resp: 7315

Ion Ratio Lower Upper

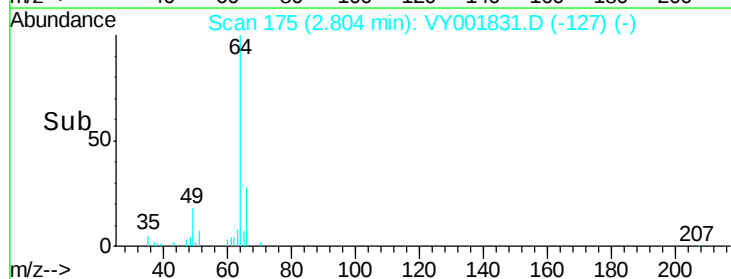
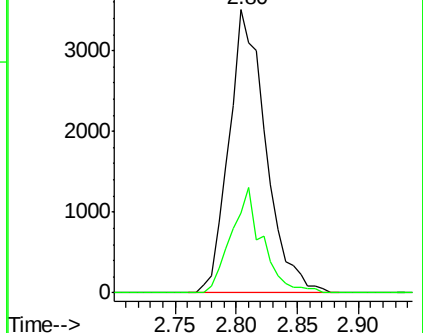
64 100

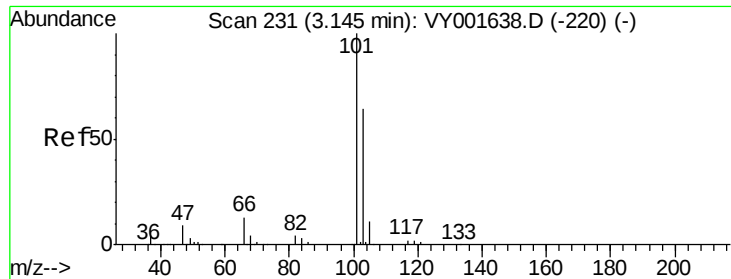
66 28.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY001831.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VY001831.D (-176) (-)





#7

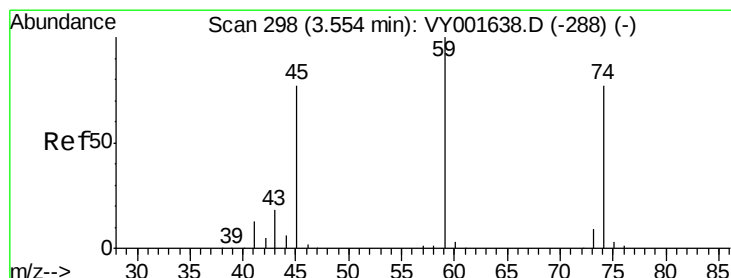
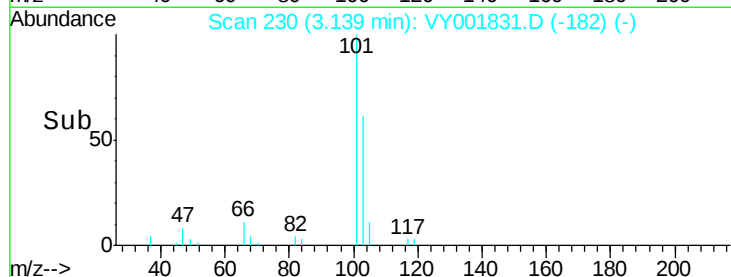
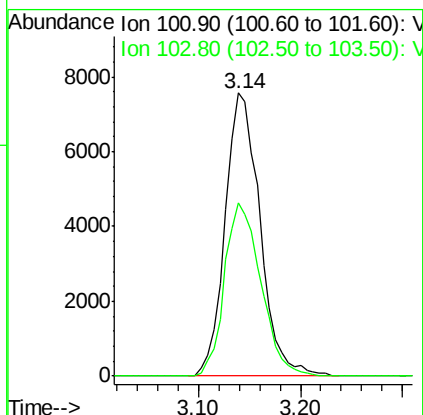
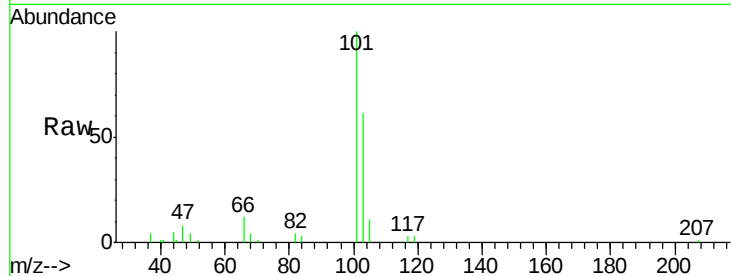
Trichlorofluoromethane  
 Concen: 6.610 ug/l  
 RT: 3.14 min Scan# 230  
 Delta R.T. -0.01 min  
 Lab File: VY001831.D  
 Acq: 03 Mar 2020 13:52

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 61.1  | 52.2  | 78.2  |

Manual Integrations  
 APPROVED

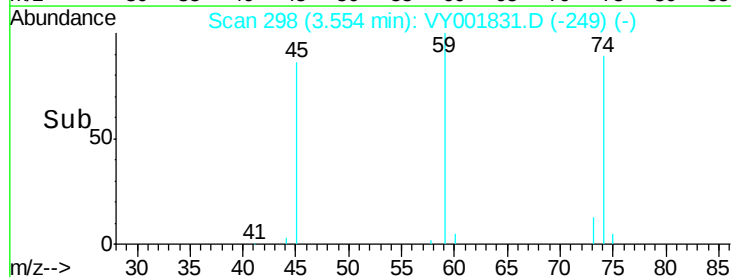
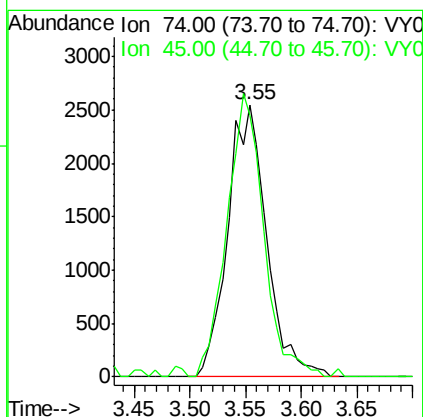
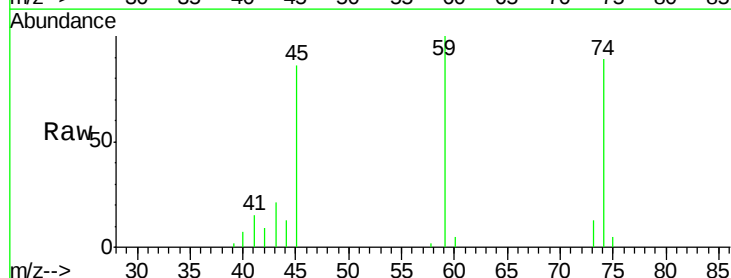
MMDadoda  
 3/4/2020 2:02:08 PM

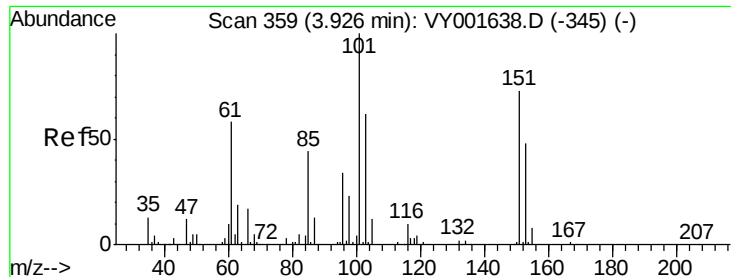


#8

Diethyl Ether  
 Concen: 5.771 ug/l  
 RT: 3.55 min Scan# 298  
 Delta R.T. -0.00 min  
 Lab File: VY001831.D  
 Acq: 03 Mar 2020 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 98.3  | 49.6  | 148.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.985 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA\_Y

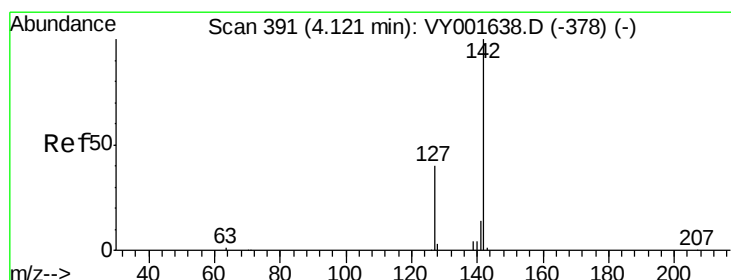
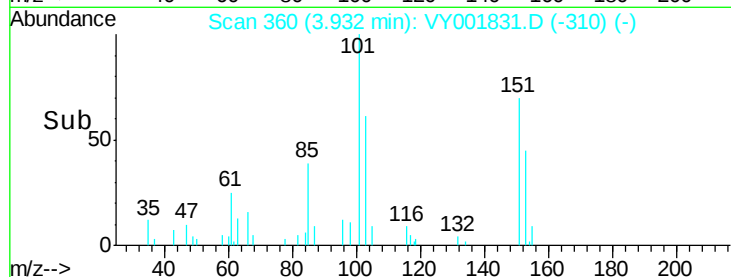
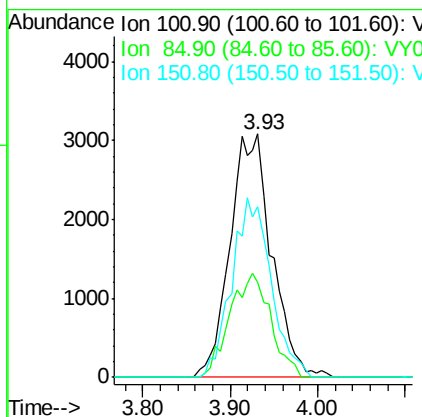
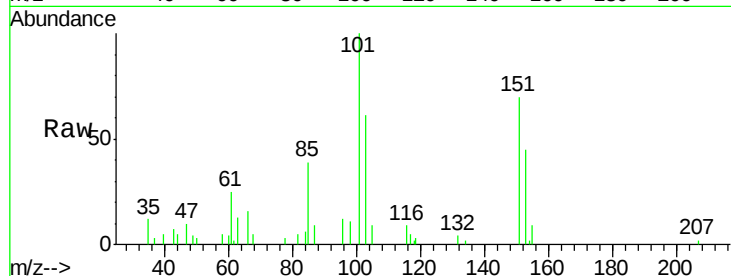
ClientSampleId :

LOQ-SOIL-02-QT1-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 10202 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 41.6  | 35.1  | 52.7  |
| 151       | 69.3  | 58.4  | 87.6  |

Manual Integrations  
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3/4/2020 2:02:08 PM



#10

Methyl Iodide

Concen: 4.702 ug/l

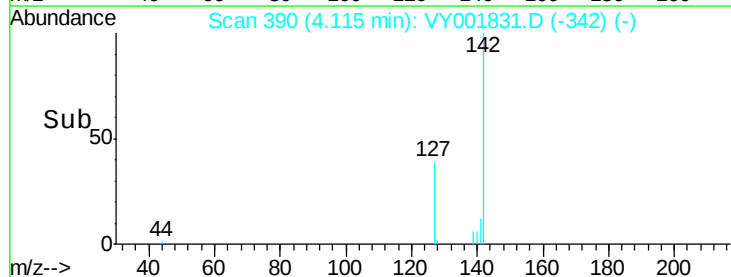
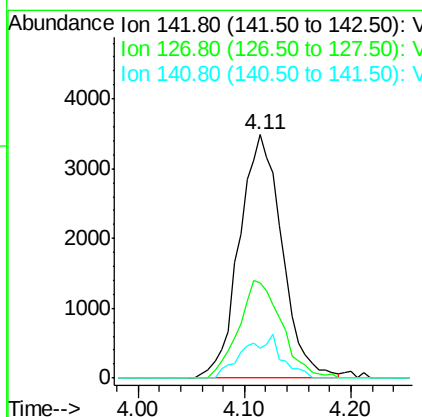
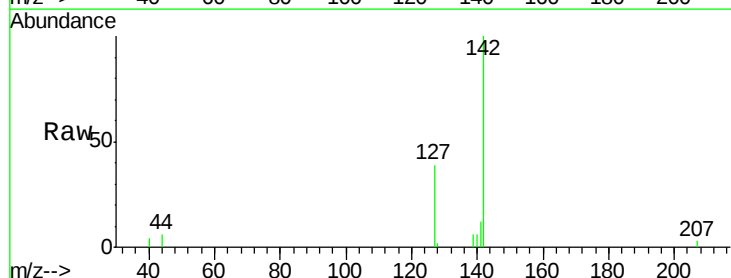
RT: 4.11 min Scan# 390

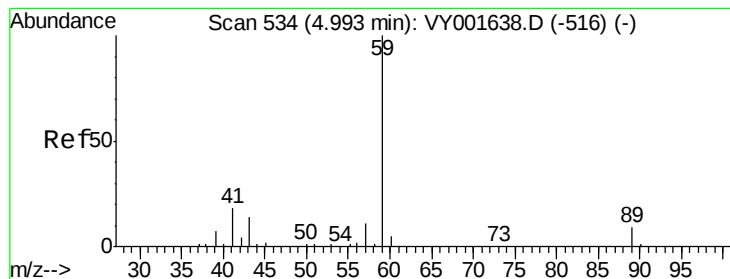
Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 142   | Resp: | 9810 |
| Ion Ratio | Lower | Upper |      |
| 142       | 100   |       |      |
| 127       | 40.4  | 32.1  | 48.1 |
| 141       | 16.0  | 11.3  | 16.9 |





#11

Tert butyl alcohol

Concen: 42.110 ug/l m

RT: 4.96 min Scan# 529

Delta R.T. -0.03 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA\_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion: 59 Resp: 10071

Ion Ratio Lower Upper

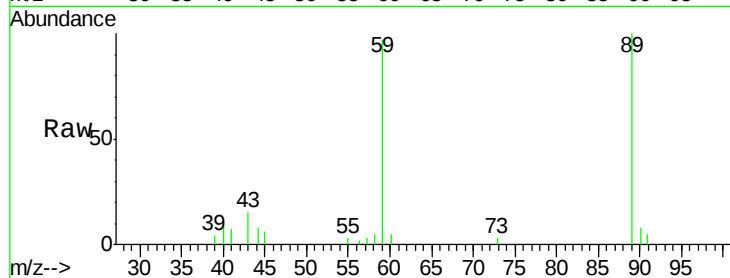
59 100

57 5.2 7.4 11.2#

Manual Integrations  
APPROVED

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3/4/2020 2:02:08 PM



Abundance Ion 59.00 (58.70 to 59.70): VY001638.D (-516) (-)

Ion 57.00 (56.70 to 57.70): VY001638.D (-516) (-)

4.96

2500

2000

1500

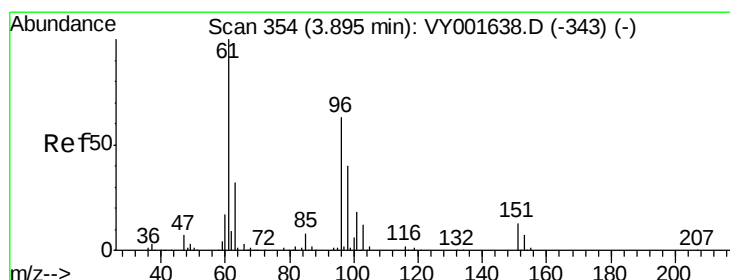
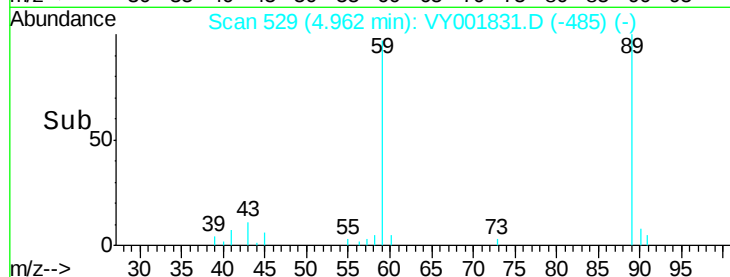
1000

500

0

4.80 4.90 5.00 5.10

Time-->



#12

1,1-Dichloroethene

Concen: 5.758 ug/l

RT: 3.90 min Scan# 354

Delta R.T. -0.00 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

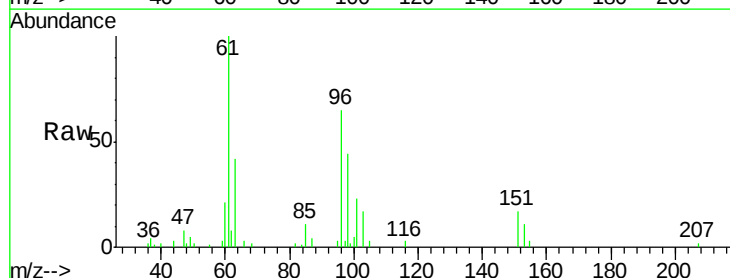
Tgt Ion: 96 Resp: 10011

Ion Ratio Lower Upper

96 100

61 154.9 128.7 193.1

98 68.6 50.7 76.1



Abundance Ion 95.90 (95.60 to 96.60): VY001638.D (-343) (-)

Ion 60.90 (60.60 to 61.60): VY001638.D (-343) (-)

Ion 97.90 (97.60 to 98.60): VY001638.D (-343) (-)

3.90

8000

6000

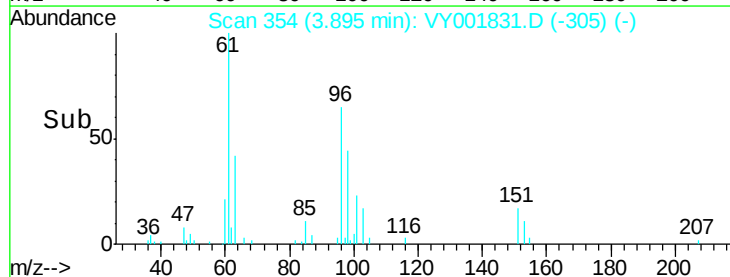
4000

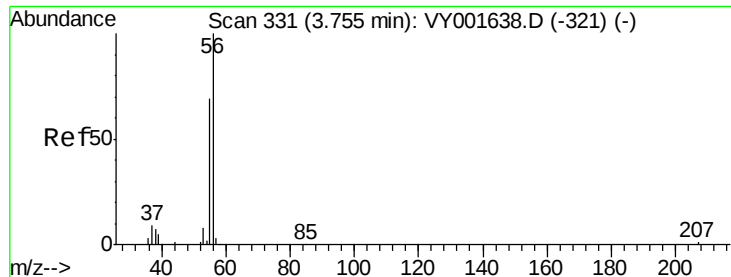
2000

0

3.80 3.85 3.90 3.95 4.00

Time-->





#13

Acrolein

Concen: 21.009 ug/l

RT: 3.75 min Scan# 331

Delta R.T. -0.00 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA\_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion: 56 Resp: 3657

Ion Ratio Lower Upper

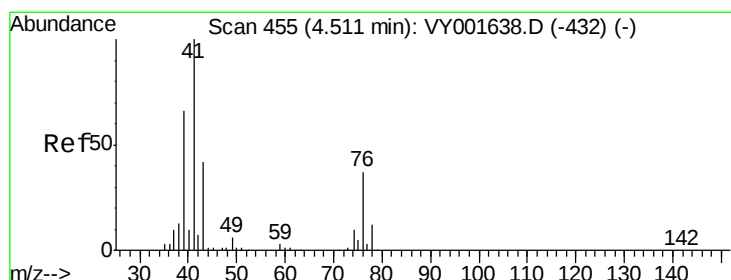
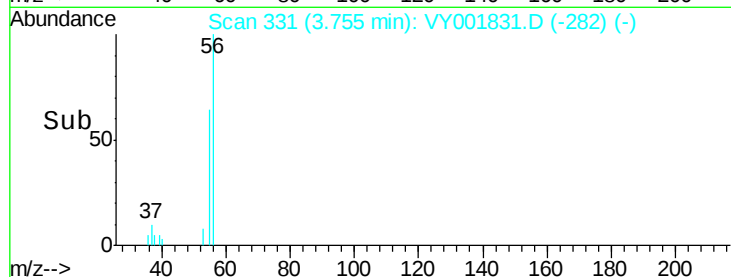
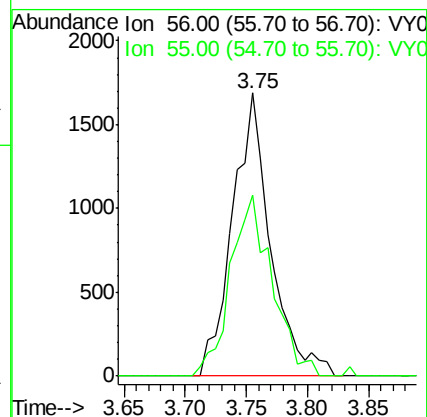
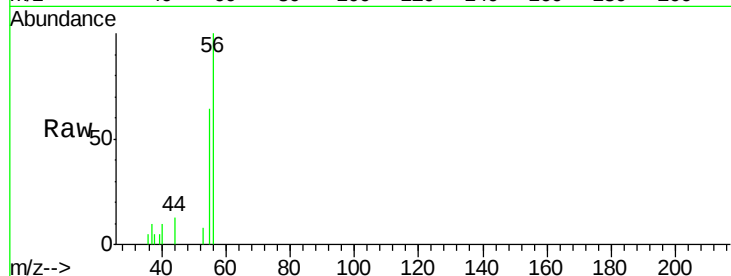
56 100

55 69.8 56.1 84.1

Manual Integrations  
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3/4/2020 2:02:08 PM



#14

Allyl chloride

Concen: 6.026 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

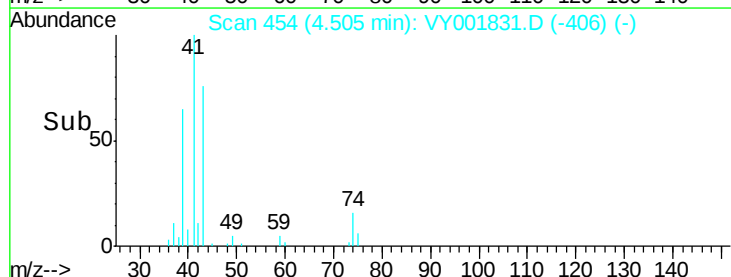
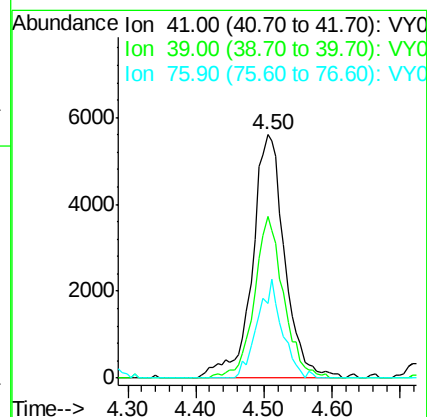
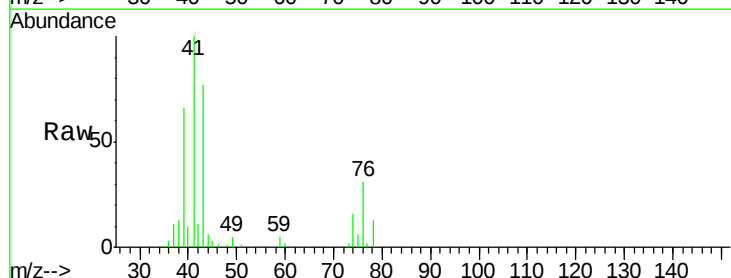
Tgt Ion: 41 Resp: 18645

Ion Ratio Lower Upper

41 100

39 59.9 49.4 74.0

76 30.7 29.0 43.6





#15

Acrylonitrile

Concen: 29.062 ug/l

RT: 5.20 min Scan# 568

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA\_Y

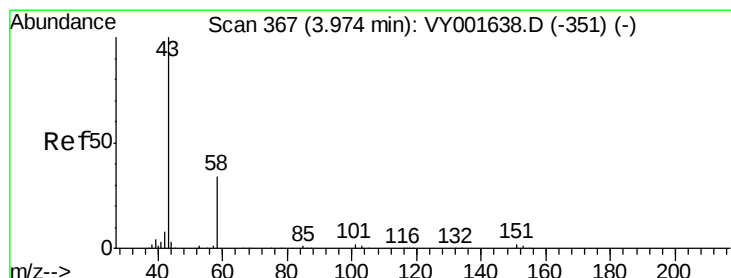
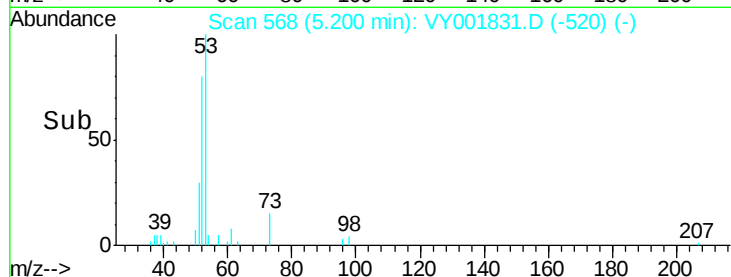
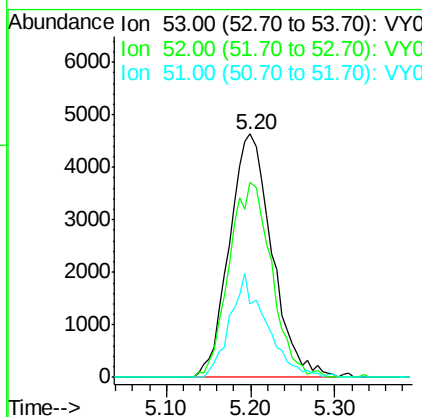
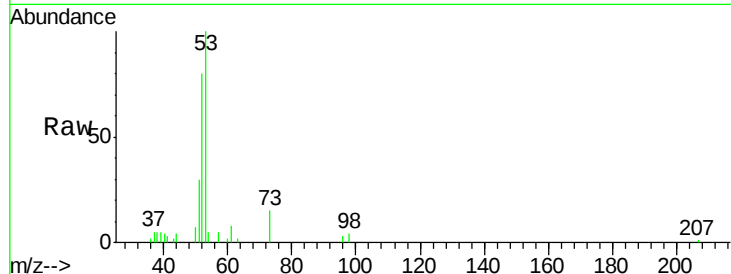
ClientSampleId :

LOQ-SOIL-02-QT1-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 53    | Resp: | 15926 |
| Ion Ratio | Lower | Upper |       |
| 53        | 100   |       |       |
| 52        | 79.7  | 65.4  | 98.0  |
| 51        | 36.2  | 28.0  | 42.0  |

Manual Integrations  
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3/4/2020 2:02:08 PM



#16

Acetone

Concen: 22.998 ug/l

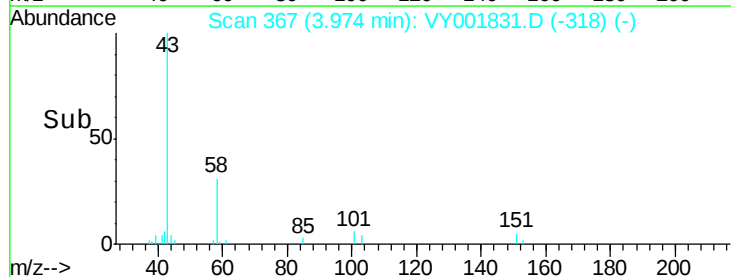
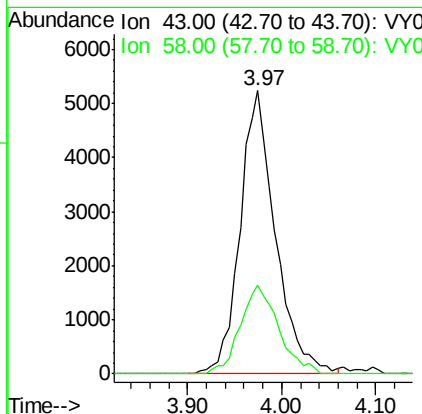
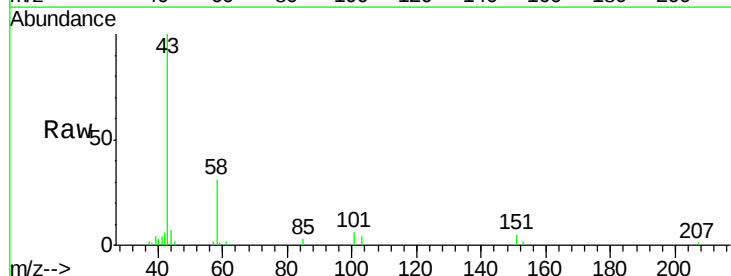
RT: 3.97 min Scan# 367

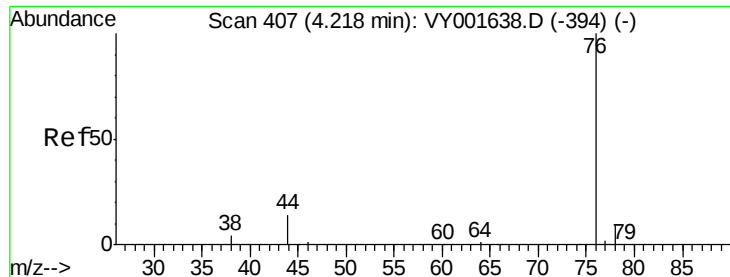
Delta R.T. -0.00 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 13715 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 31.2  | 27.3  | 40.9  |





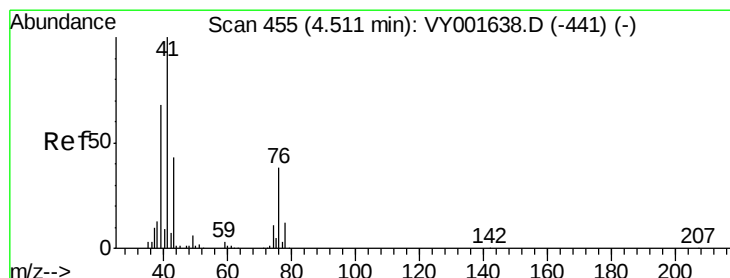
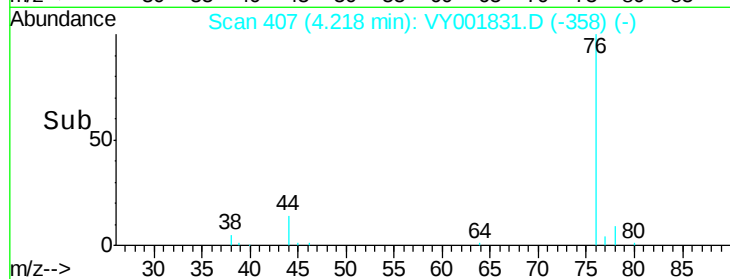
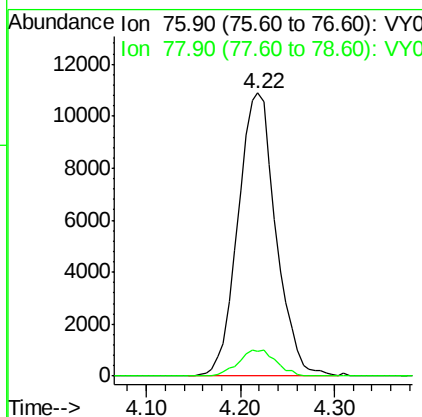
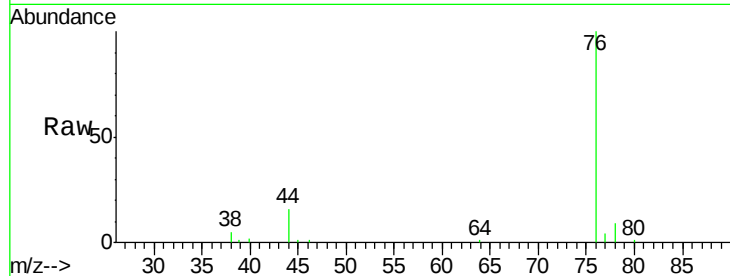
#17  
Carbon Disulfide  
Concen: 5.275 ug/l  
RT: 4.22 min Scan# 407  
Delta R.T. -0.00 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.9   | 7.3   | 10.9  |

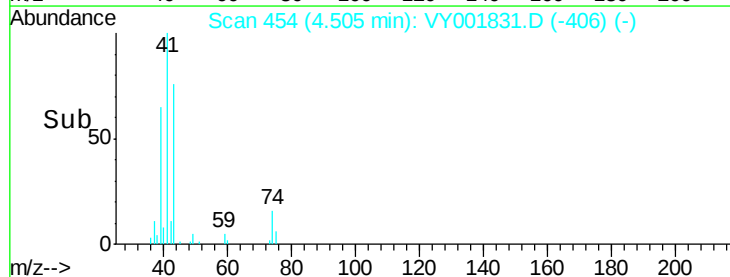
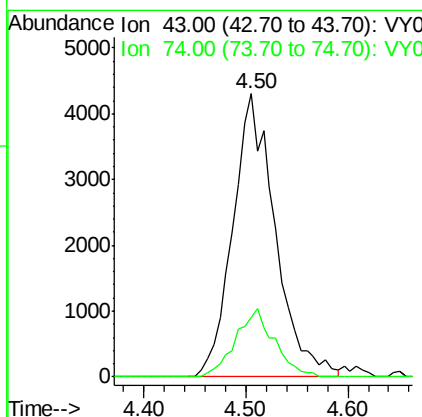
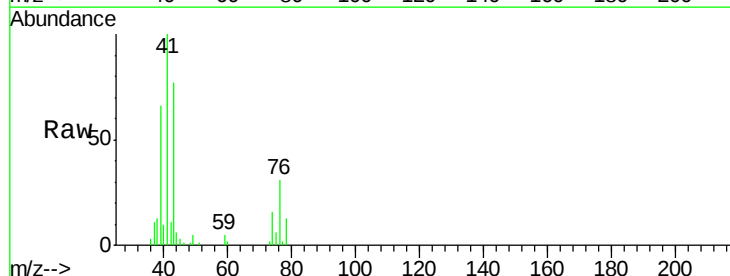
Manual Integrations  
APPROVED

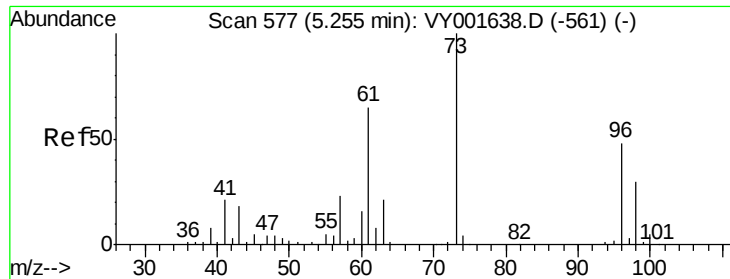
MMDadoda  
3/4/2020 2:02:08 PM



#18  
Methyl Acetate  
Concen: 9.558 ug/l  
RT: 4.50 min Scan# 454  
Delta R.T. -0.01 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 22.1  | 19.1  | 28.7  |





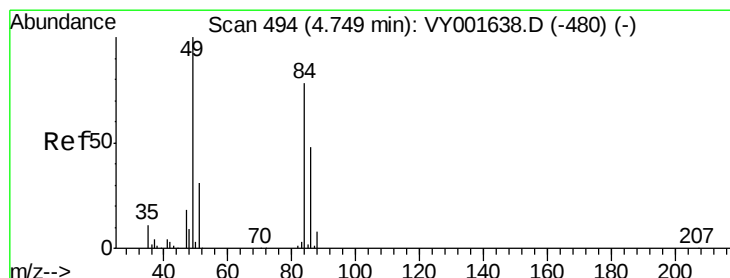
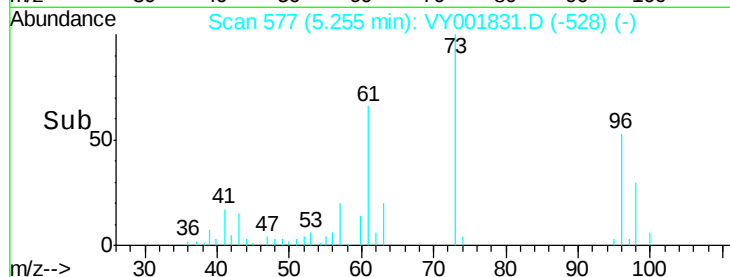
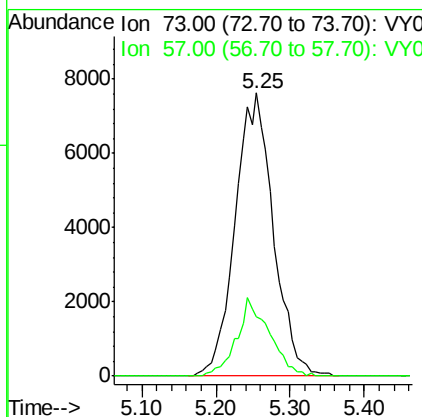
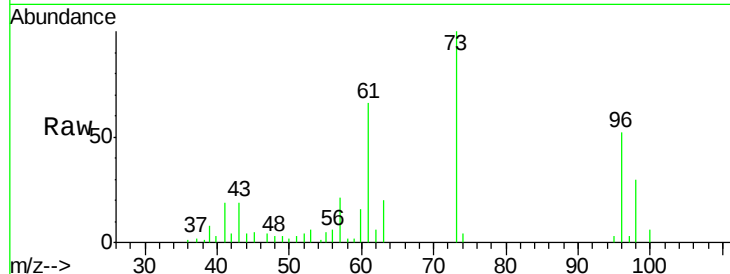
#19  
Methvl tert-butvl Ether  
Concen: 5.654 ug/l  
RT: 5.25 min Scan# 577  
Delta R.T. -0.00 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT1-2020

Tot Ion: 73 Resp: 27368  
Ion Ratio Lower Upper  
73 100  
57 20.8 19.0 28.6

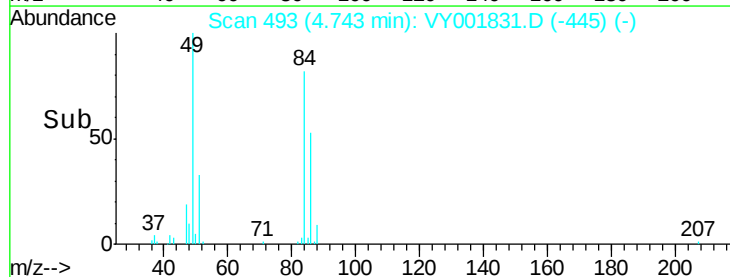
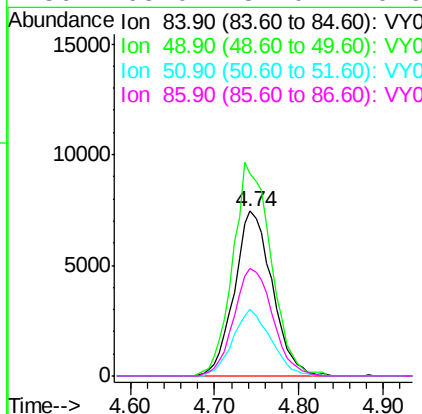
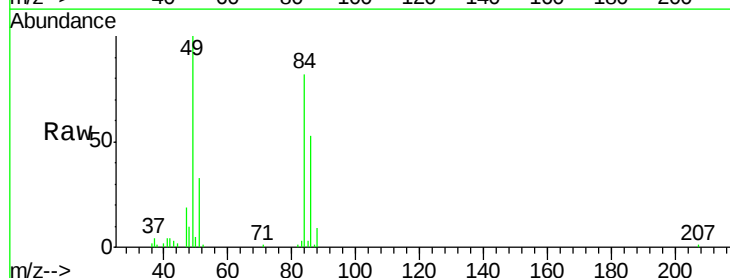
Manual Integrations  
APPROVED

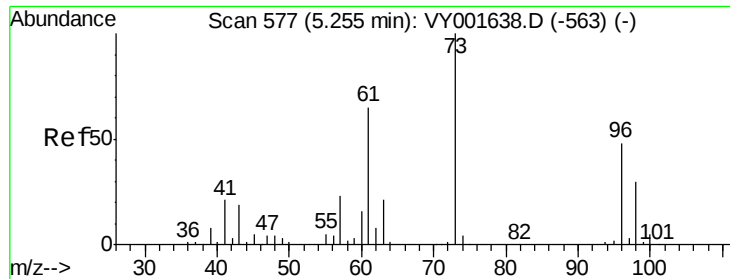
MMDadoda  
3/4/2020 2:02:08 PM



#20  
Methylene Chloride  
Concen: 10.686 ug/l  
RT: 4.74 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

Tgt Ion: 84 Resp: 22637  
Ion Ratio Lower Upper  
84 100  
49 122.5 99.2 148.8  
51 40.5 31.5 47.3  
86 65.0 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 5.800 ug/l

RT: 5.25 min Scan# 577

Delta R.T. -0.00 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA\_Y

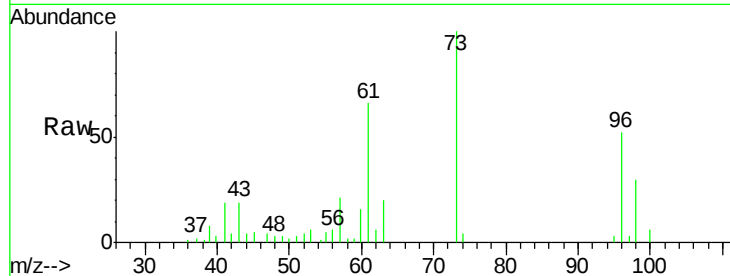
ClientSampleId :

LOQ-SOIL-02-QT1-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 11504 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 126.7 | 107.9 | 161.9 |
| 98       | 57.5  | 49.8  | 74.8  |

Manual Integrations  
APPROVED

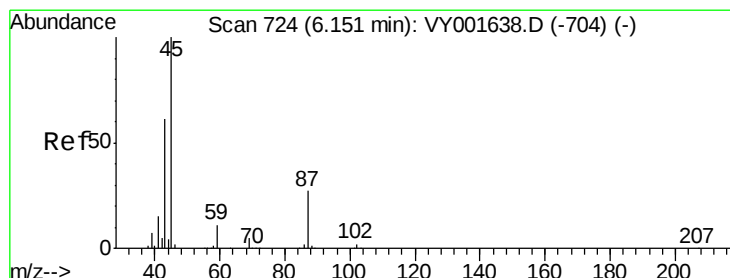
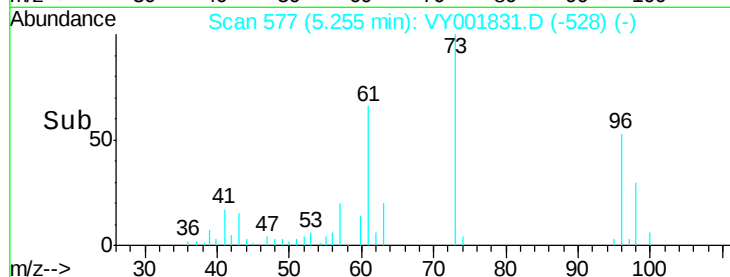
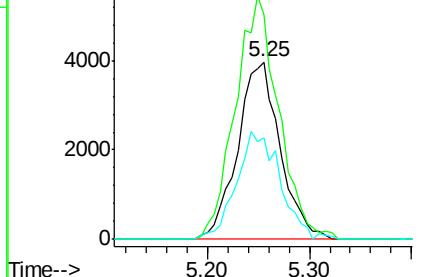
MMDadoda  
3/4/2020 2:02:08 PM



Abundance Ion 95.90 (95.60 to 96.60): VY001831.D (-528) (-)

Ion 60.90 (60.60 to 61.60): VY001831.D (-528) (-)

Ion 97.90 (97.60 to 98.60): VY001831.D (-528) (-)



#22

Diisopropyl ether

Concen: 5.724 ug/l

RT: 6.15 min Scan# 724

Delta R.T. -0.00 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

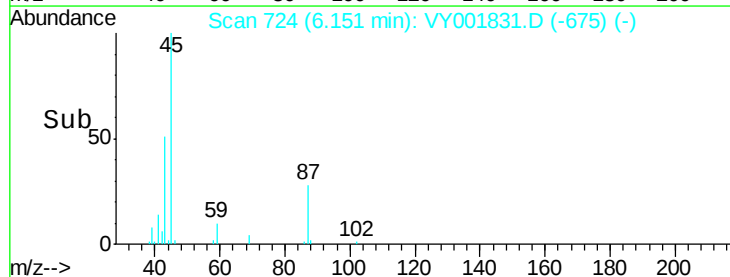
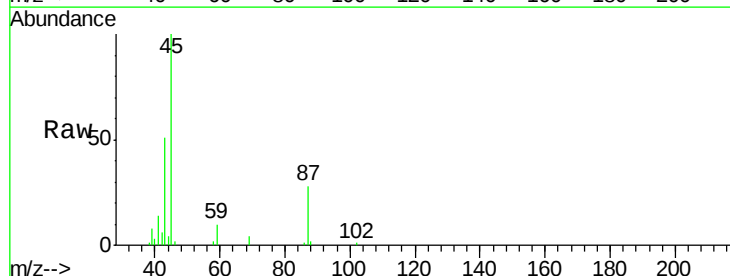
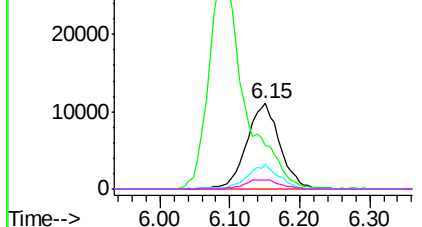
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 36371 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 51.0  | 46.4  | 69.6  |
| 87       | 28.4  | 22.1  | 33.1  |
| 59       | 10.5  | 9.4   | 14.0  |

Abundance Ion 45.00 (44.70 to 45.70): VY001831.D (-675) (-)

Ion 43.00 (42.70 to 43.70): VY001831.D (-675) (-)

Ion 87.00 (86.70 to 87.70): VY001831.D (-675) (-)

Ion 59.00 (58.70 to 59.70): VY001831.D (-675) (-)





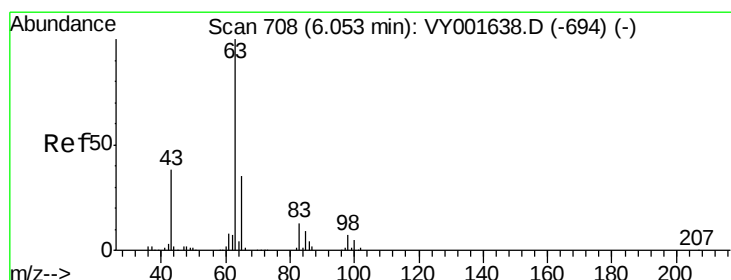
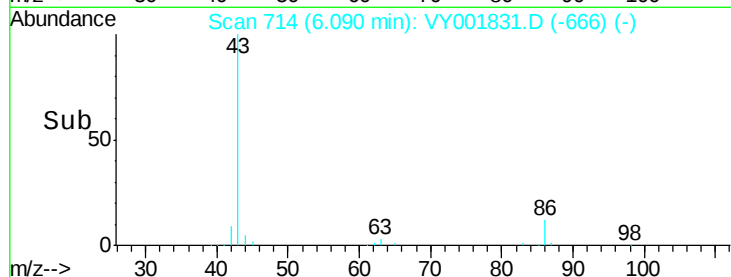
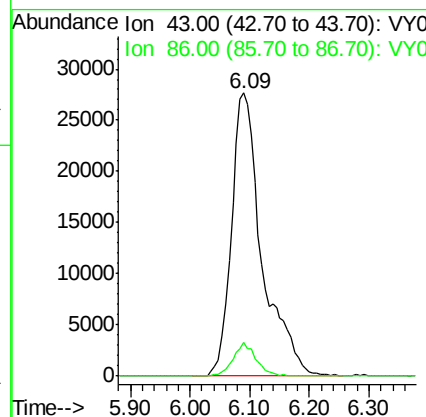
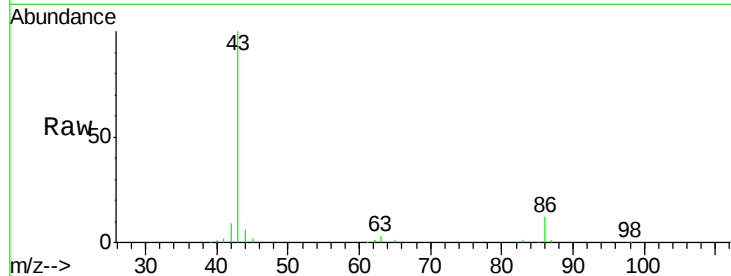
#23  
 Vinyl Acetate  
 Concen: 23.812 ug/l  
 RT: 6.09 min Scan# 714  
 Delta R.T. -0.01 min  
 Lab File: VY001831.D  
 Acq: 03 Mar 2020 13:52

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2020

| Tot Ion   | 43.00 | Resp  | 98694 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 86        | 12.1  | 8.8   | 13.2  |

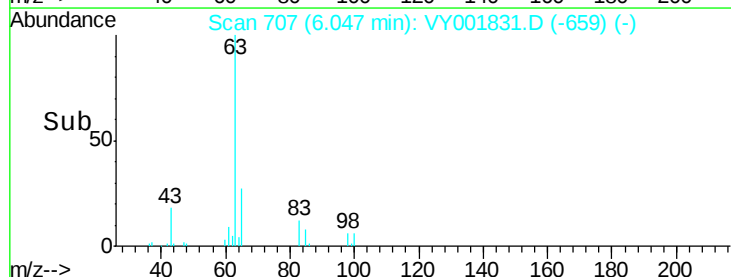
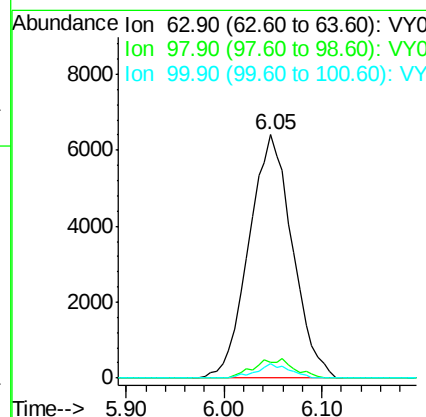
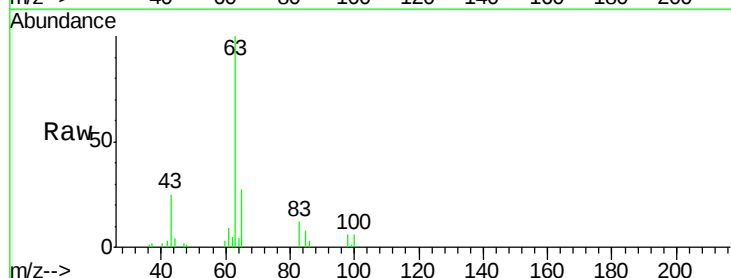
Manual Integrations  
 APPROVED

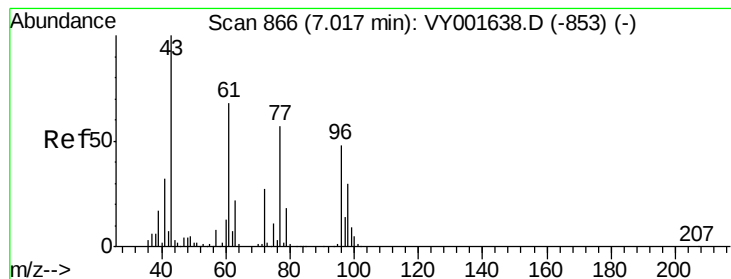
MMDadoda  
 3/4/2020 2:02:08 PM



#24  
 1,1-Dichloroethane  
 Concen: 5.846 ug/l  
 RT: 6.05 min Scan# 707  
 Delta R.T. -0.01 min  
 Lab File: VY001831.D  
 Acq: 03 Mar 2020 13:52

| Tgt Ion   | 63    | Resp  | 19853 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 98        | 6.4   | 3.4   | 10.2  |
| 100       | 6.2   | 2.3   | 6.9   |





#25

2-Butanone

Concen: 25.598 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA\_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion: 43 Resp: 20738

Ion Ratio Lower Upper

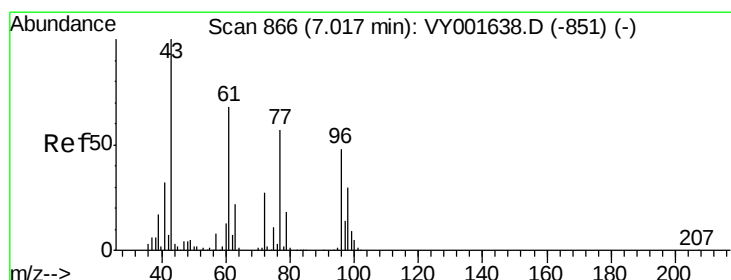
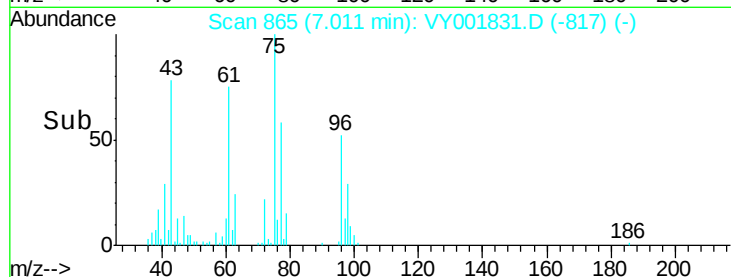
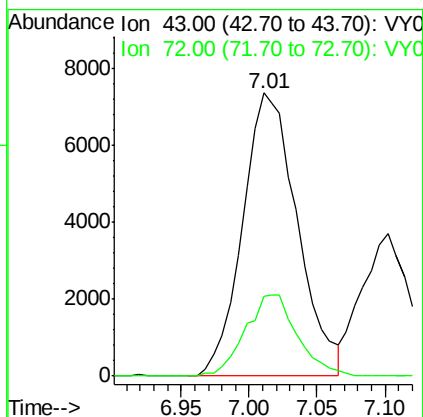
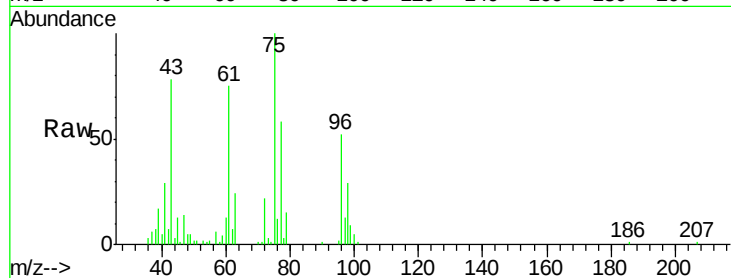
43 100

72 28.0 21.2 31.8

Manual Integrations  
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3/4/2020 2:02:08 PM



#26

2,2-Dichloropropane

Concen: 5.420 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001831.D

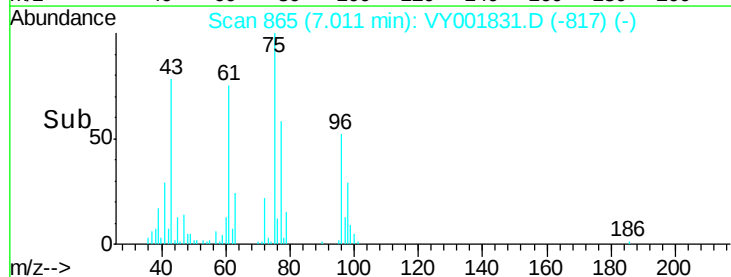
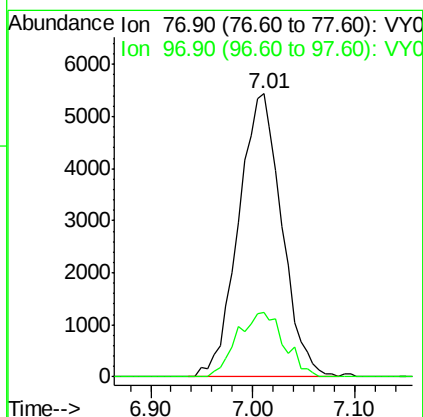
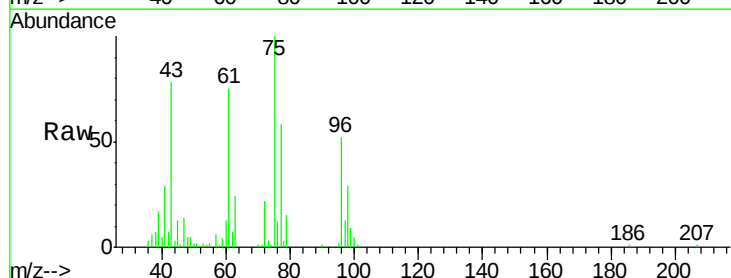
Acq: 03 Mar 2020 13:52

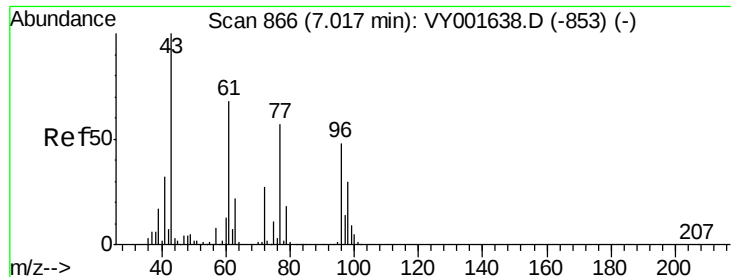
Tgt Ion: 77 Resp: 16016

Ion Ratio Lower Upper

77 100

97 24.5 11.8 35.4





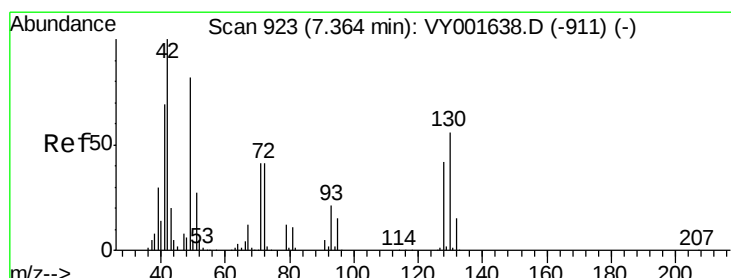
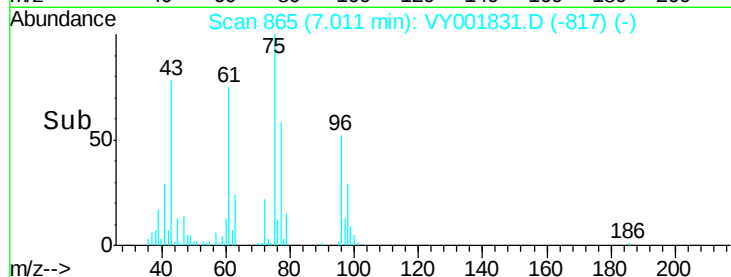
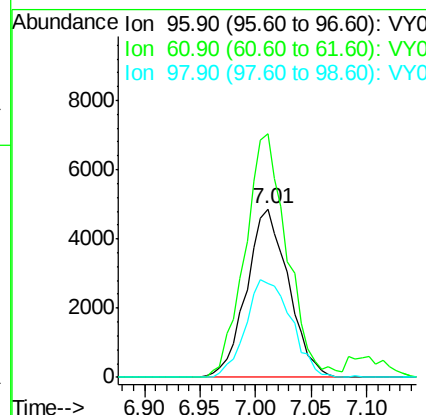
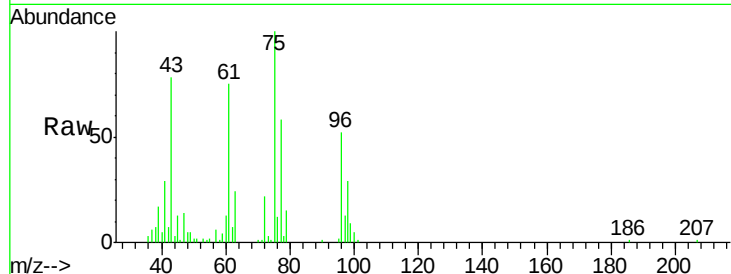
#27  
 cis-1,2-Dichloroethene  
 Concen: 5.822 ug/l  
 RT: 7.01 min Scan# 865  
 Delta R.T. -0.01 min  
 Lab File: VY001831.D  
 Acq: 03 Mar 2020 13:52

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 145.0 | 0.0   | 290.8 |
| 98      | 62.2  | 0.0   | 128.6 |

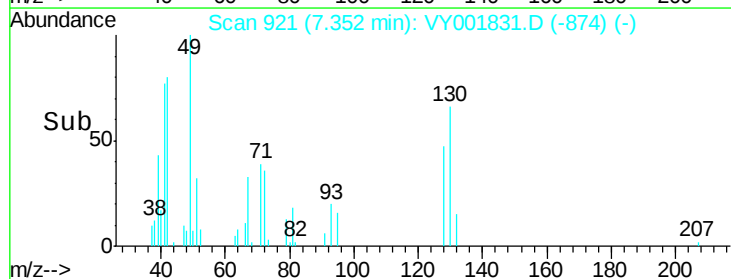
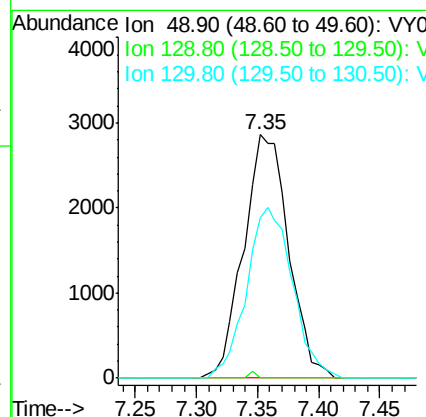
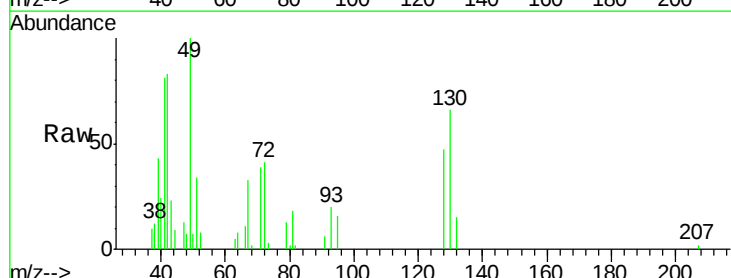
Manual Integrations  
 APPROVED

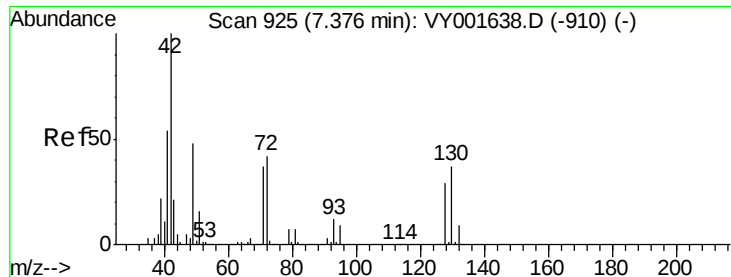
MMDadoda  
 3/4/2020 2:02:08 PM



#28  
 Bromochloromethane  
 Concen: 5.172 ug/l  
 RT: 7.35 min Scan# 921  
 Delta R.T. -0.01 min  
 Lab File: VY001831.D  
 Acq: 03 Mar 2020 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.4   | 0.0   | 3.6   |
| 130     | 71.5  | 56.2  | 84.4  |





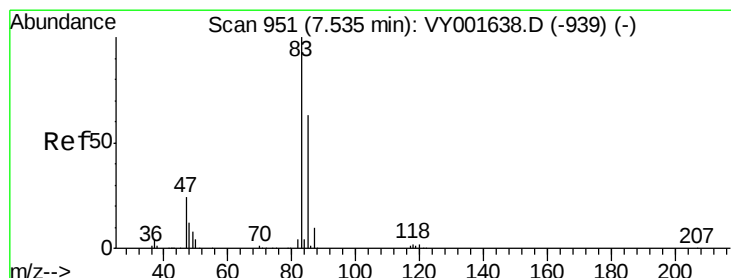
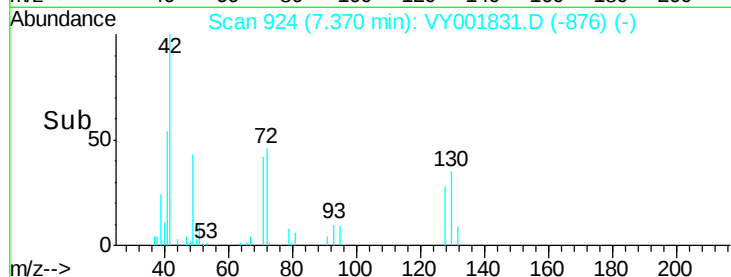
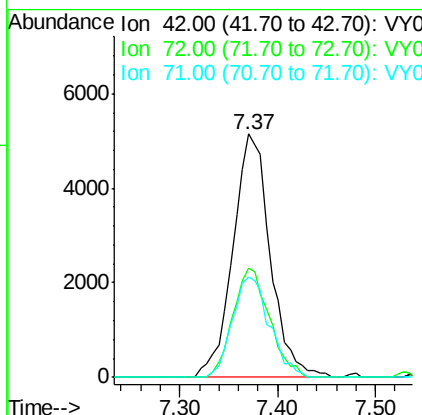
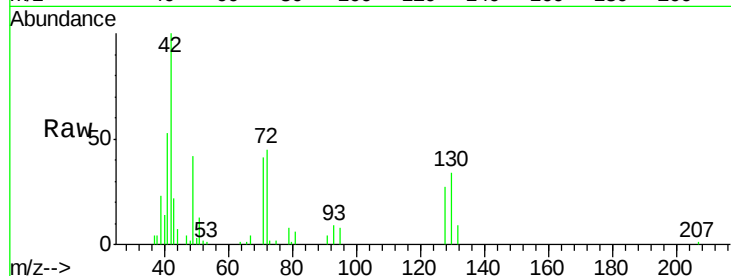
#29  
Tetrahydrofuran  
Concen: 27.846 ug/l  
RT: 7.37 min Scan# 924  
Delta R.T. -0.01 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.6  | 34.4  | 51.6  |
| 71      | 41.0  | 31.8  | 47.8  |

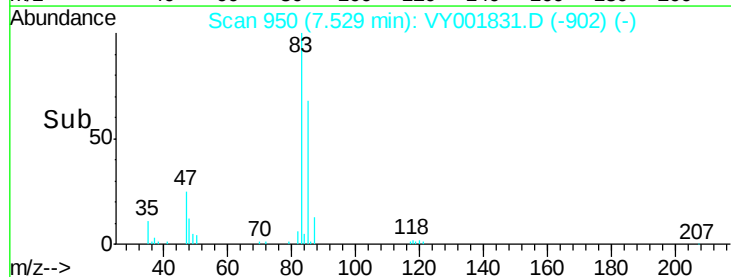
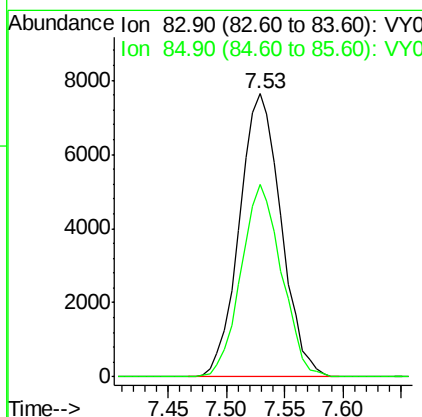
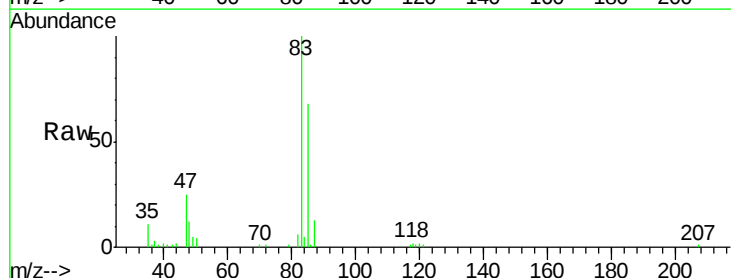
Manual Integrations  
APPROVED

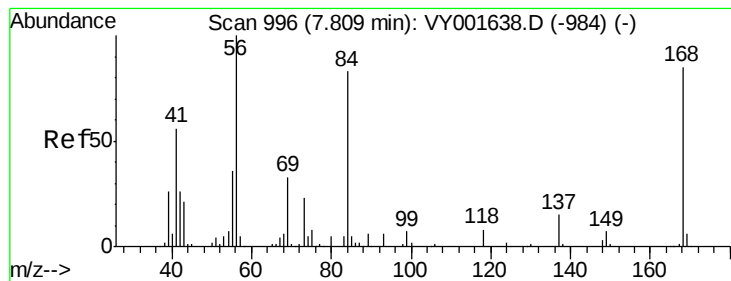
MMDadoda  
3/4/2020 2:02:08 PM



#30  
Chloroform  
Concen: 5.735 ug/l  
RT: 7.53 min Scan# 950  
Delta R.T. -0.01 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 68.0  | 51.6  | 77.4  |





#31

Cyclohexane

Concen: 6.396 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA\_Y

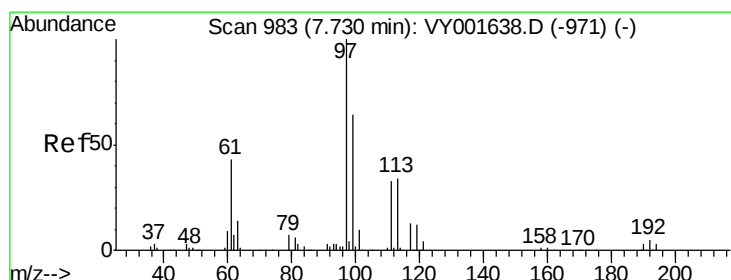
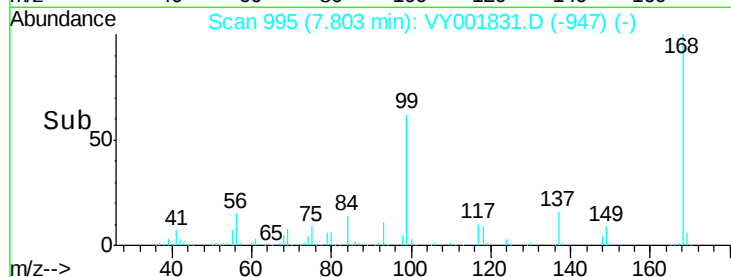
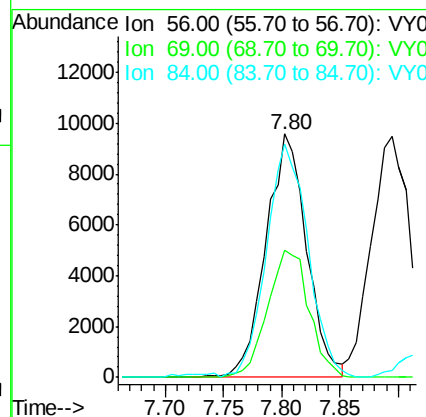
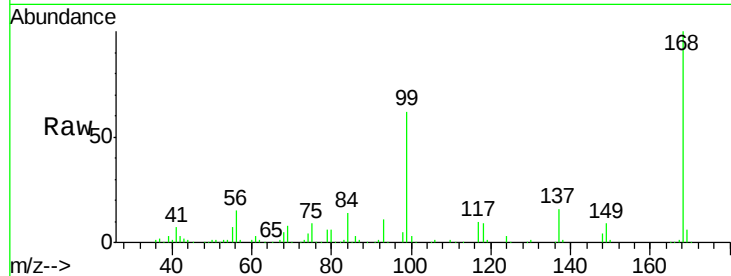
ClientSampleId :

LOQ-SOIL-02-QT1-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 56    | Resp: | 23161 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 52.0  | 25.1  | 37.7# |
| 84        | 94.9  | 66.9  | 100.3 |

Manual Integrations  
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#32

1,1,1-Trichloroethane

Concen: 5.650 ug/l

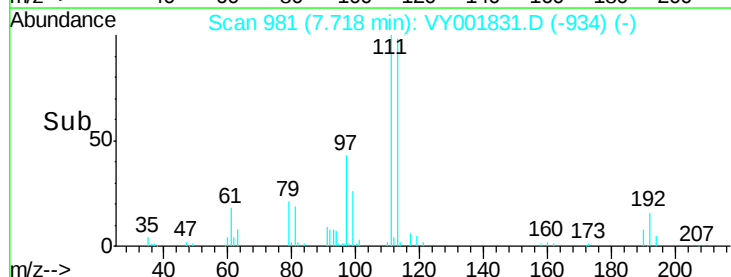
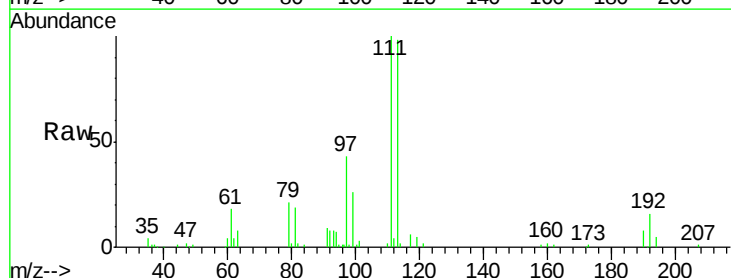
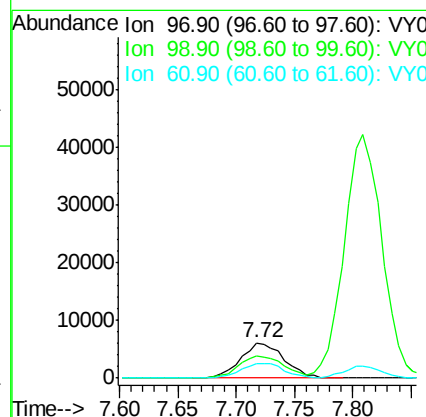
RT: 7.72 min Scan# 981

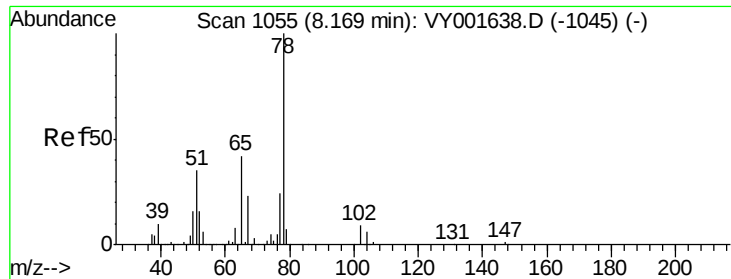
Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 97    | Resp: | 15757 |
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 99        | 65.5  | 51.2  | 76.8  |
| 61        | 43.2  | 35.0  | 52.6  |





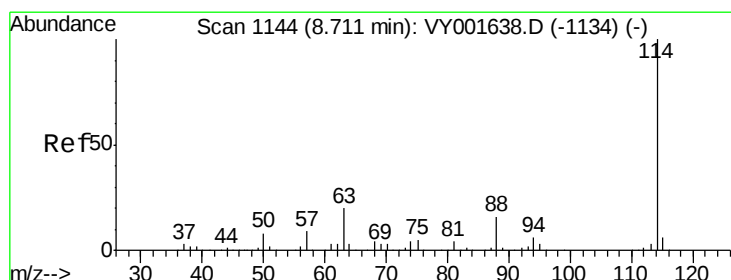
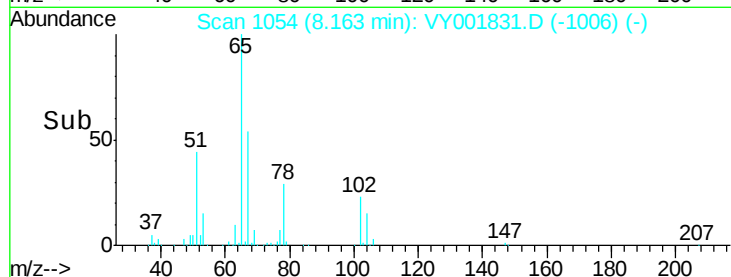
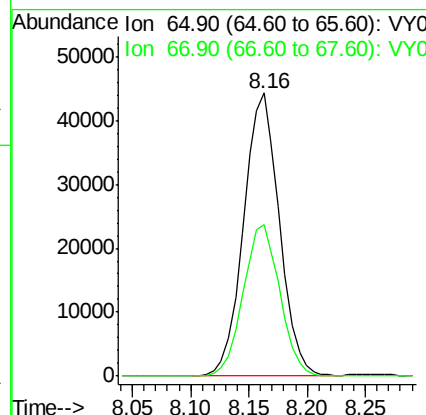
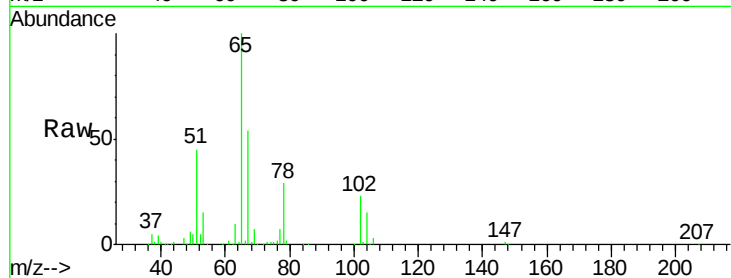
#33  
 1,2-Dichloroethane-d4  
 Concen: 54.798 ug/l  
 RT: 8.16 min Scan# 1054  
 Delta R.T. -0.01 min  
 Lab File: VY001831.D  
 Acq: 03 Mar 2020 13:52

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 54.9  | 0.0   | 111.0 |

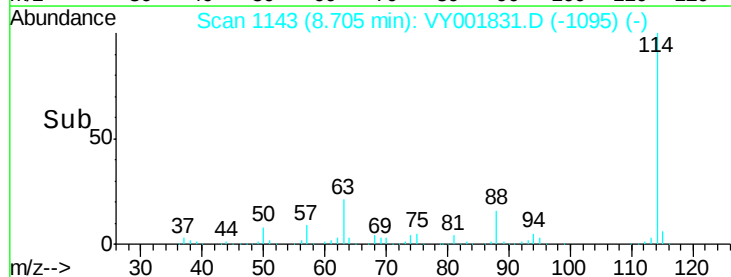
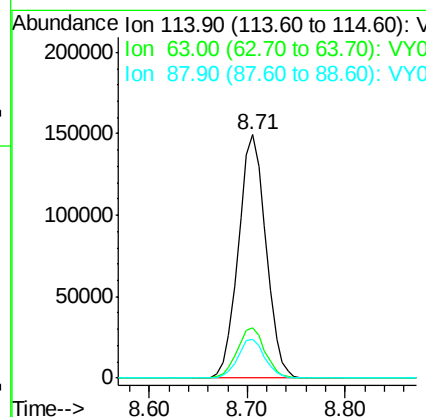
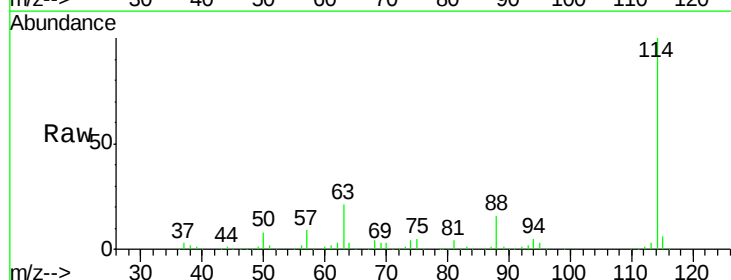
Manual Integrations  
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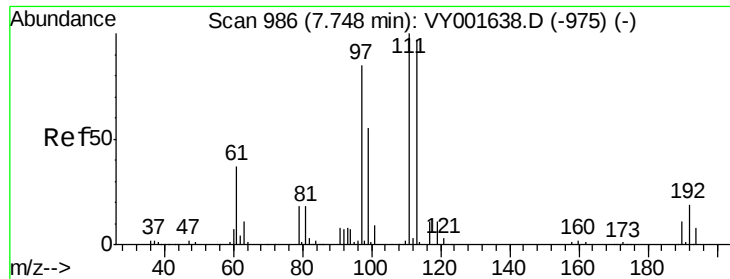
MMDadoda  
 3/4/2020 2:02:08 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.71 min Scan# 1143  
 Delta R.T. -0.01 min  
 Lab File: VY001831.D  
 Acq: 03 Mar 2020 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.7  | 0.0   | 41.4  |
| 88      | 16.0  | 0.0   | 32.8  |





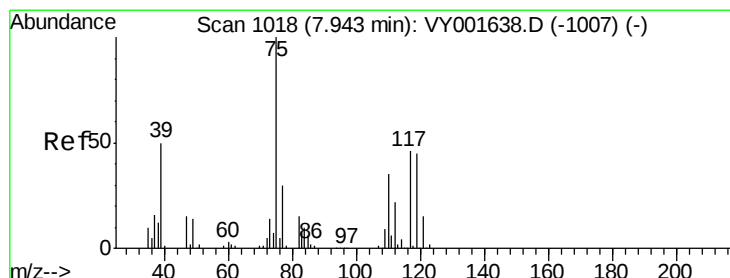
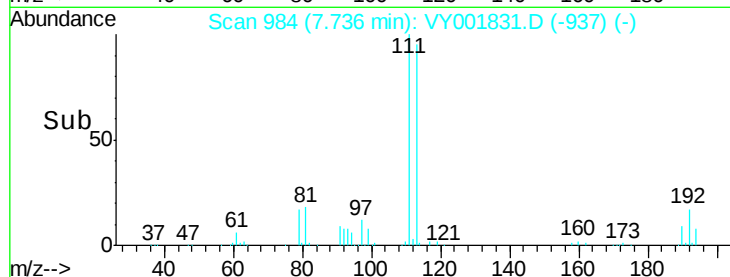
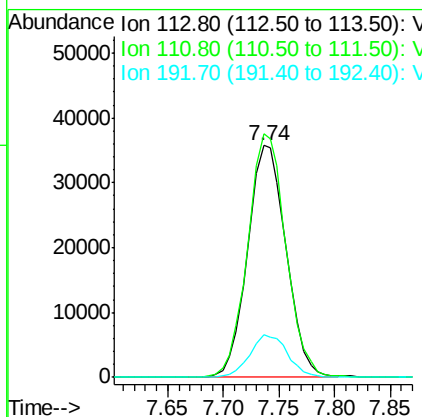
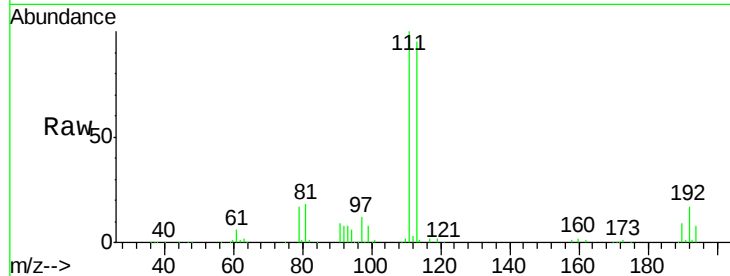
#35  
Dibromofluoromethane  
Concen: 51.493 ug/l  
RT: 7.74 min Scan# 984  
Delta R.T. -0.01 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.6 | 81.9  | 122.9 |
| 192     | 18.0  | 14.3  | 21.5  |

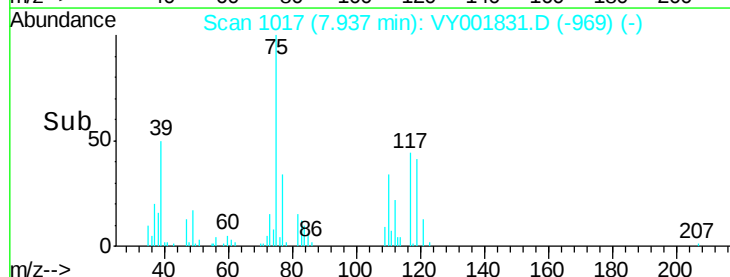
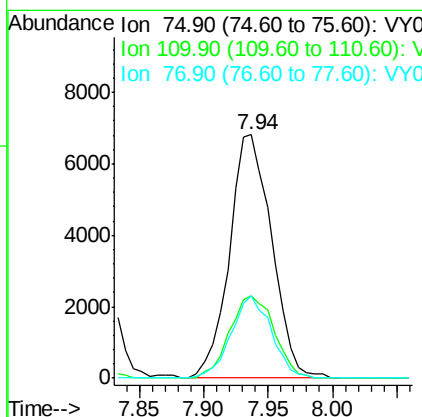
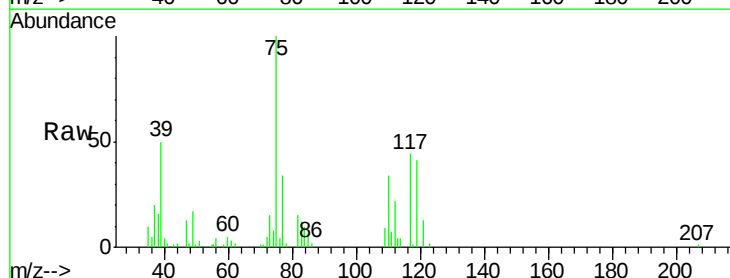
Manual Integrations  
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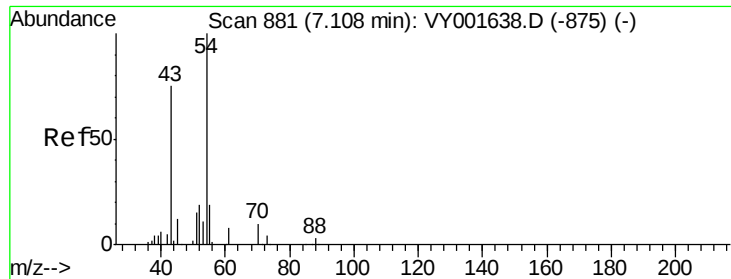
MMDadoda  
3/4/2020 2:02:08 PM



#36  
1,1-Dichloropropene  
Concen: 5.572 ug/l  
RT: 7.94 min Scan# 1017  
Delta R.T. -0.01 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 35.5  | 17.2  | 51.6  |
| 77      | 31.9  | 24.8  | 37.2  |





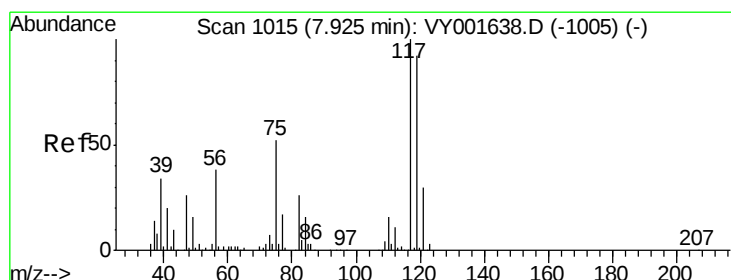
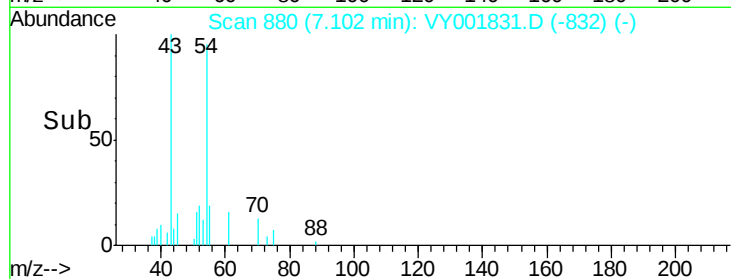
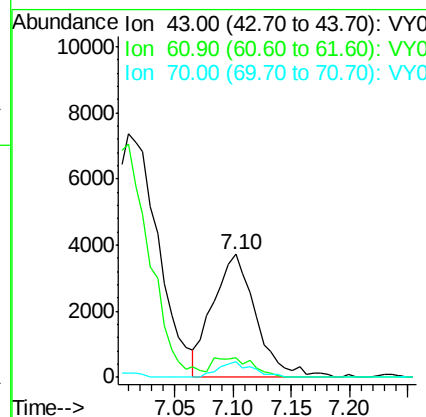
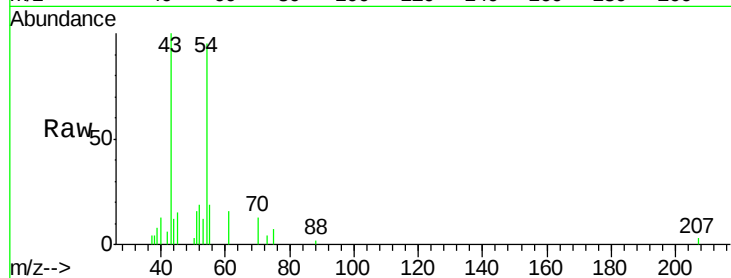
#37  
Ethyl Acetate  
Concen: 5.749 ug/l  
RT: 7.10 min Scan# 880  
Delta R.T. -0.01 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.7  | 11.0  | 16.6  |
| 70      | 10.1  | 8.8   | 13.2  |

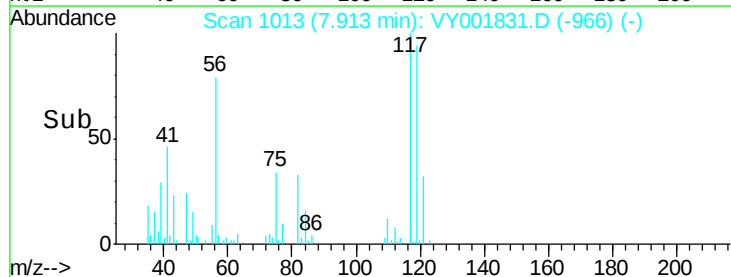
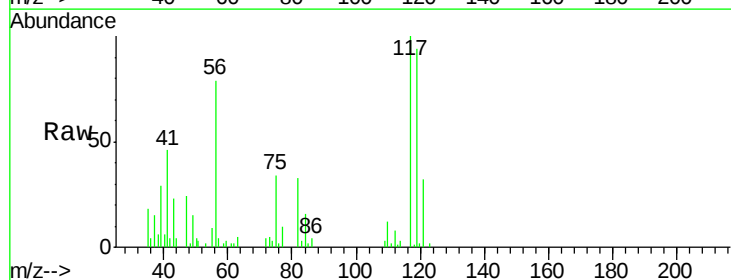
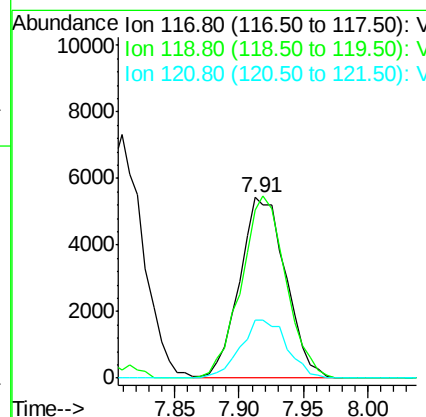
Manual Integrations  
APPROVED

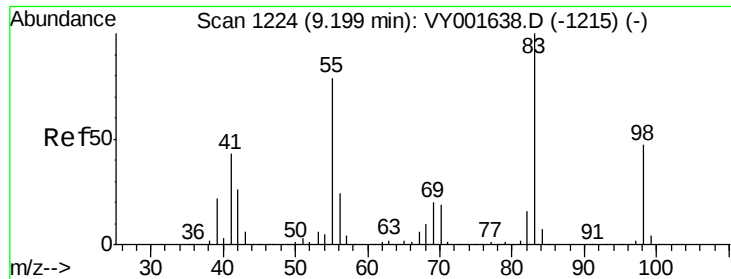
MMDadoda  
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#38  
Carbon Tetrachloride  
Concen: 5.512 ug/l  
RT: 7.91 min Scan# 1013  
Delta R.T. -0.01 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 93.5  | 74.8  | 112.2 |
| 121     | 31.9  | 23.8  | 35.6  |





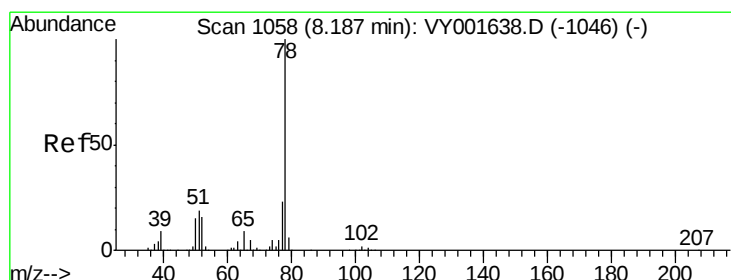
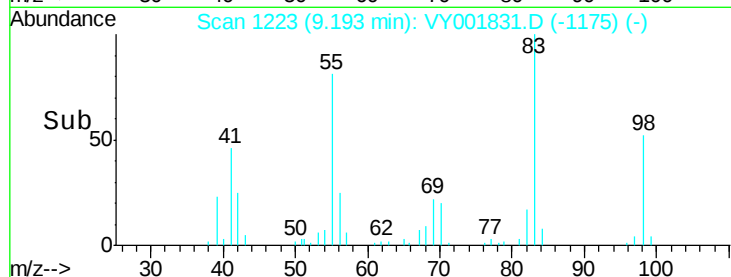
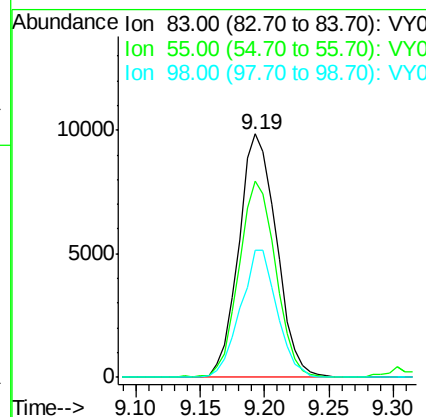
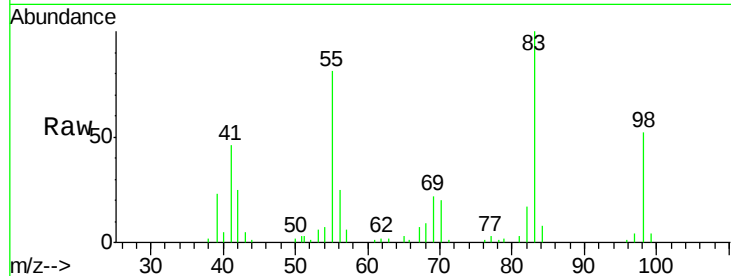
#39  
Methvlcvclohexane  
Concen: 5.406 ug/l  
RT: 9.19 min Scan# 1223  
Delta R.T. -0.01 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 80.8  | 61.3  | 91.9  |
| 98      | 52.1  | 38.0  | 57.0  |

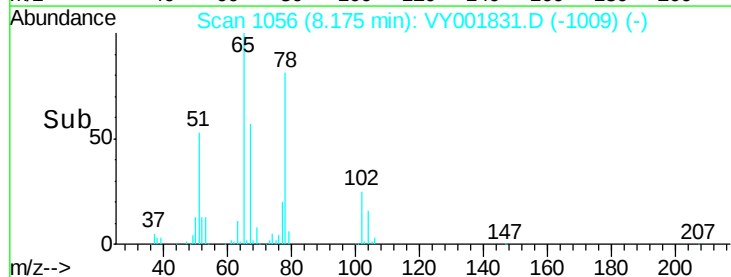
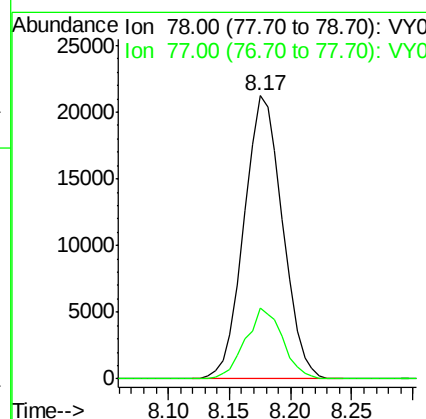
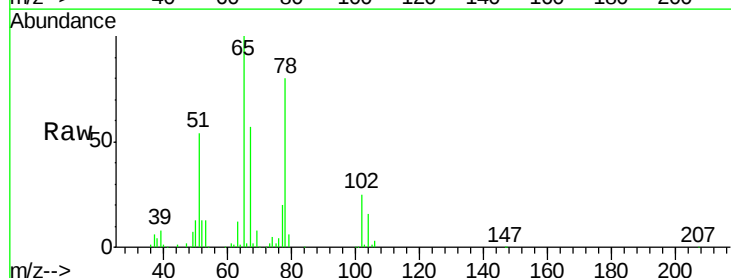
Manual Integrations  
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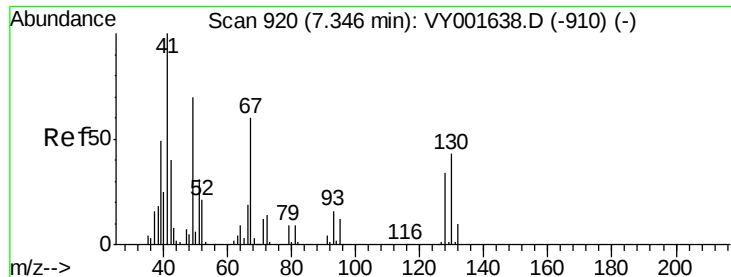
MMDadoda  
3/4/2020 2:02:08 PM



#40  
Benzene  
Concen: 5.672 ug/l  
RT: 8.17 min Scan# 1056  
Delta R.T. -0.01 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 25.2  | 18.2  | 27.4  |





#41

Methacrylonitrile

Concen: 4.656 ug/l m

RT: 7.33 min Scan# 918

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA\_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion: 41 Resp: 3890

Ion Ratio Lower Upper

41 100

39 0.0 36.0 54.0#

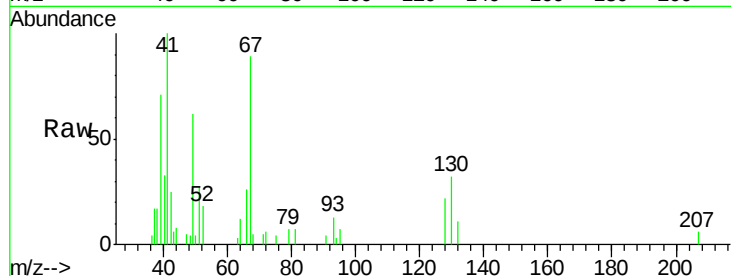
67 0.0 0.0 0.0

52 0.0 0.0 0.0

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3/4/2020 2:02:08 PM

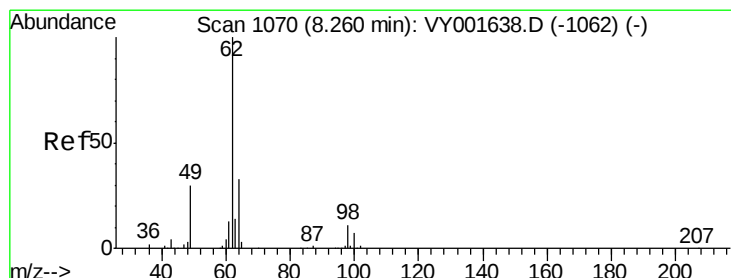
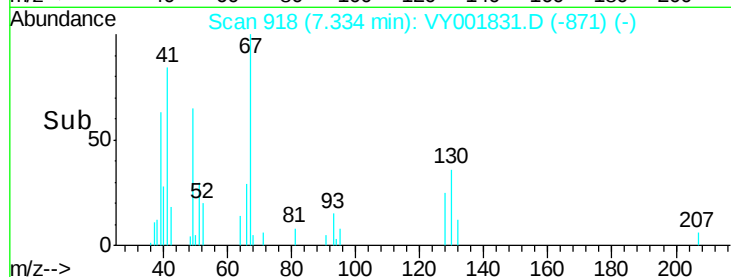
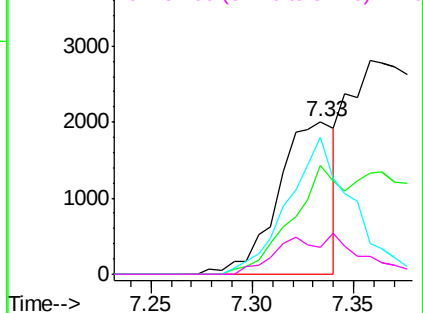


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 5.840 ug/l

RT: 8.25 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VY001831.D

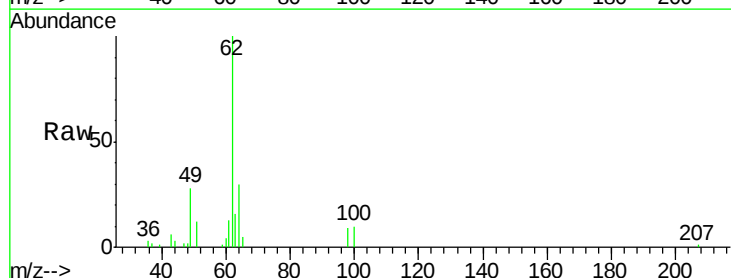
Acq: 03 Mar 2020 13:52

Tgt Ion: 62 Resp: 13045

Ion Ratio Lower Upper

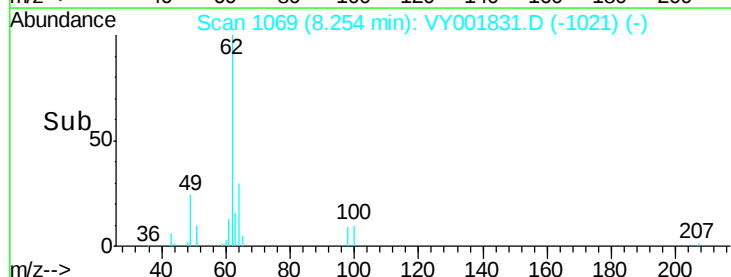
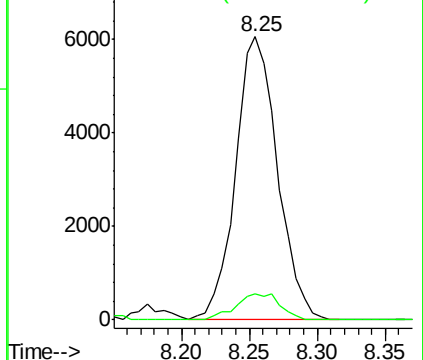
62 100

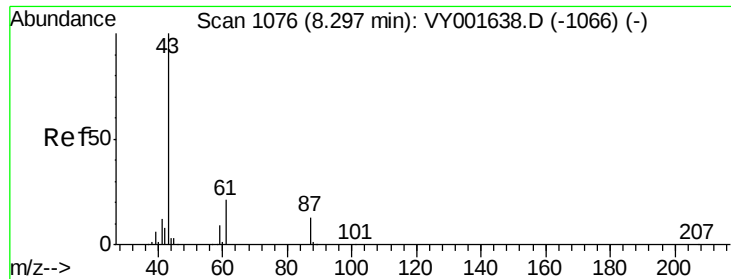
98 9.8 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





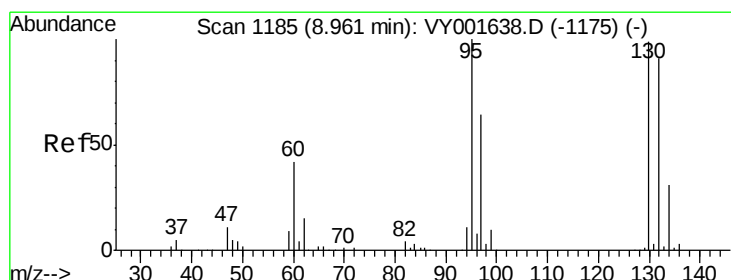
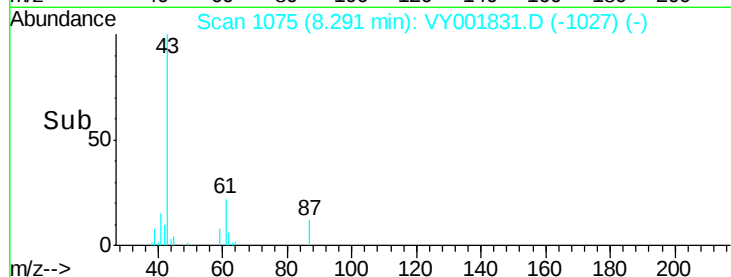
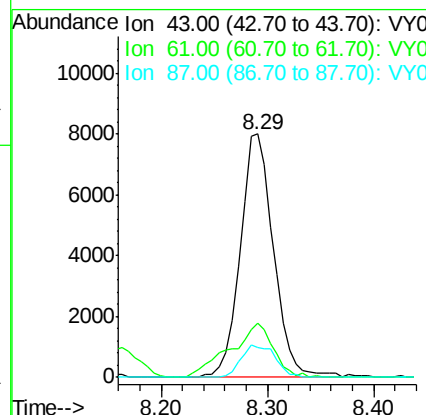
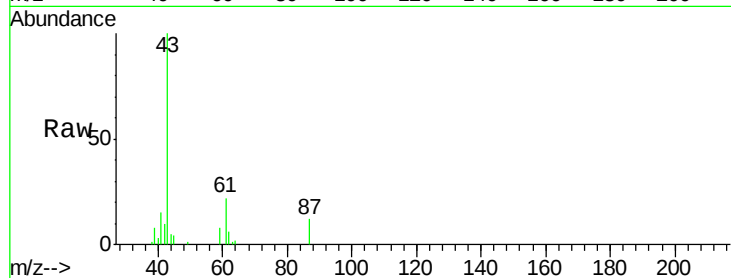
#43  
Isopropyl Acetate  
Concen: 5.541 ug/l  
RT: 8.29 min Scan# 1075  
Delta R.T. -0.01 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 28.8  | 23.0  | 34.4  |
| 87      | 13.5  | 10.7  | 16.1  |

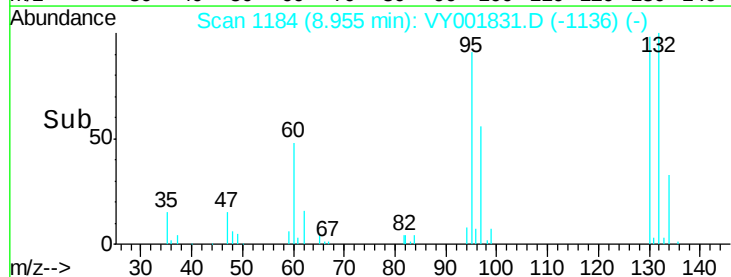
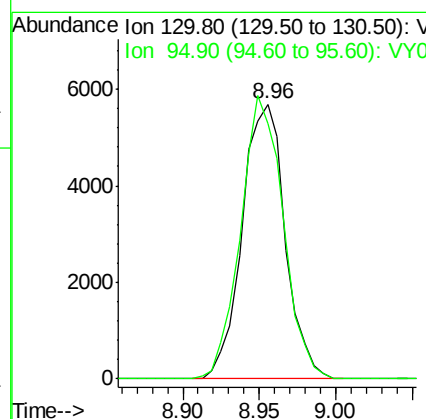
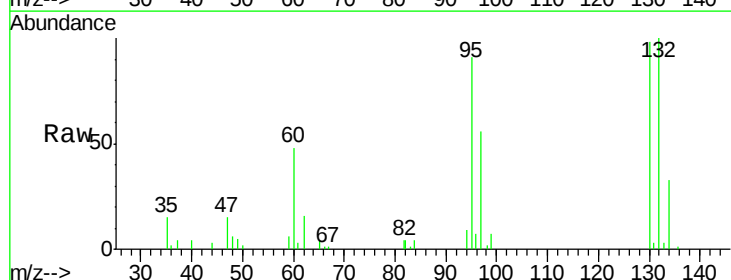
Manual Integrations  
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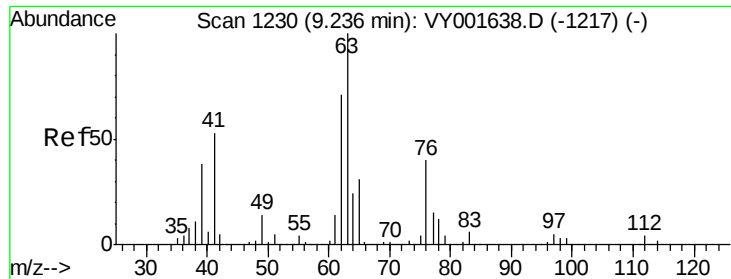
MMDadoda  
3/4/2020 2:02:08 PM



#44  
Trichloroethene  
Concen: 5.415 ug/l  
RT: 8.96 min Scan# 1184  
Delta R.T. -0.01 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 92.7  | 0.0   | 200.6 |





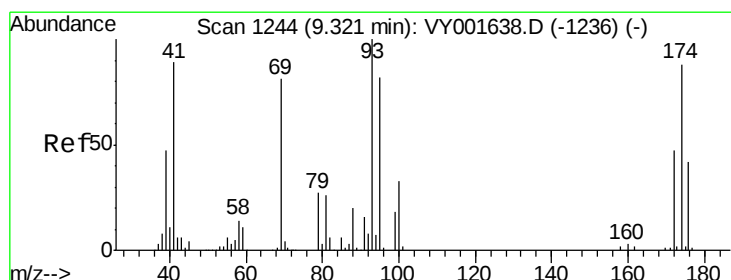
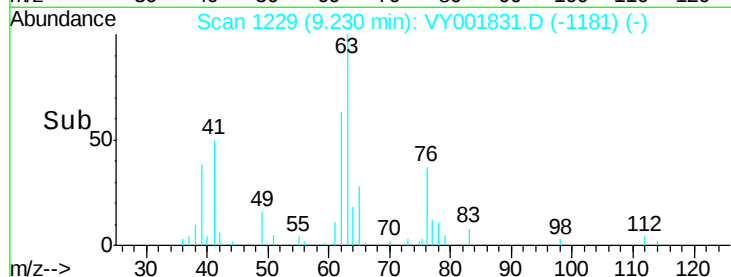
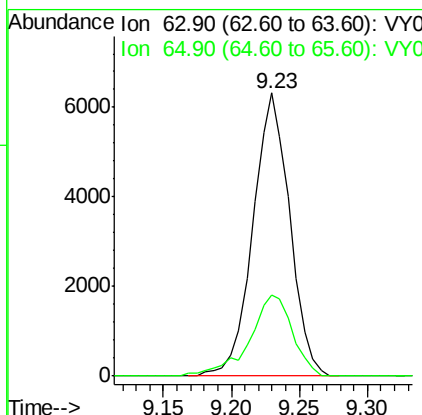
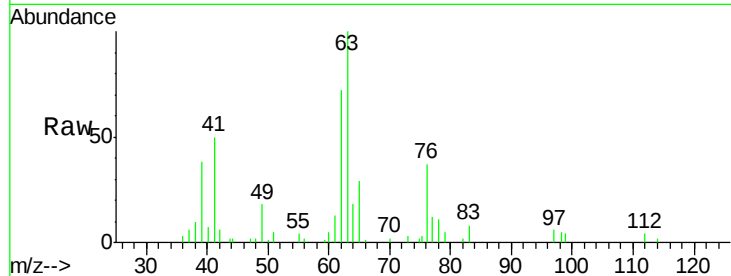
#45  
 1,2-Dichloropropane  
 Concen: 5.836 ug/l  
 RT: 9.23 min Scan# 1229  
 Delta R.T. -0.01 min  
 Lab File: VY001831.D  
 Acq: 03 Mar 2020 13:52

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2020

Tot Ion: 63 Resp: 11985  
 Ion Ratio Lower Upper  
 63 100  
 65 28.7 24.6 37.0

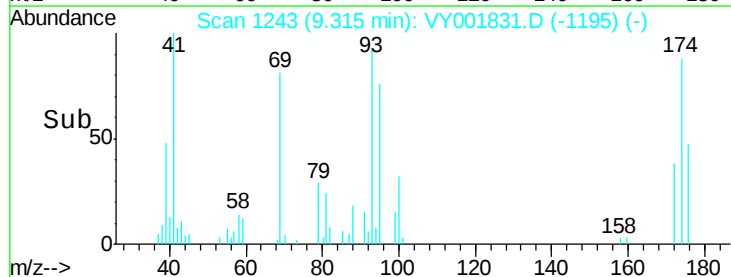
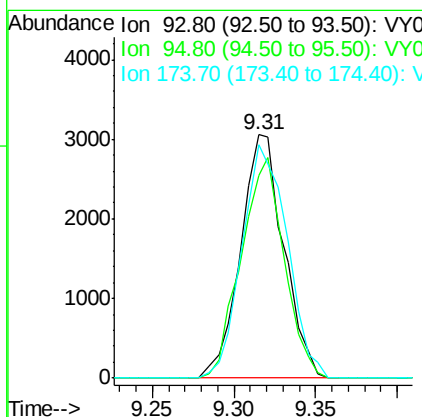
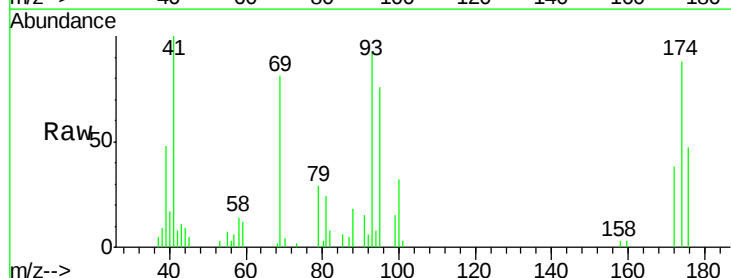
Manual Integrations  
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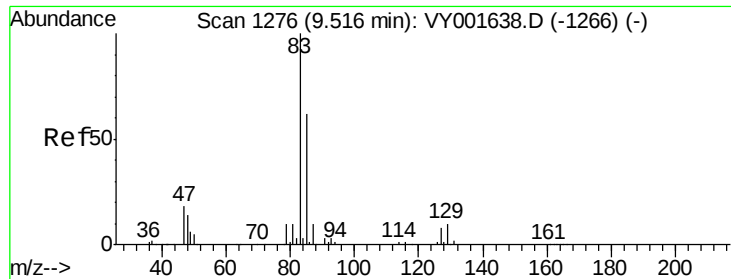
MMDadoda  
 3/4/2020 2:02:08 PM



#46  
 Dibromomethane  
 Concen: 5.233 ug/l  
 RT: 9.31 min Scan# 1243  
 Delta R.T. -0.01 min  
 Lab File: VY001831.D  
 Acq: 03 Mar 2020 13:52

Tgt Ion: 93 Resp: 5621  
 Ion Ratio Lower Upper  
 93 100  
 95 90.7 66.1 99.1  
 174 100.6 72.5 108.7





#47

Bromodichloromethane

Concen: 5.326 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA\_Y

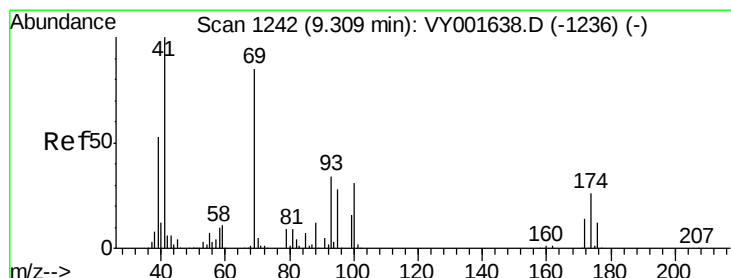
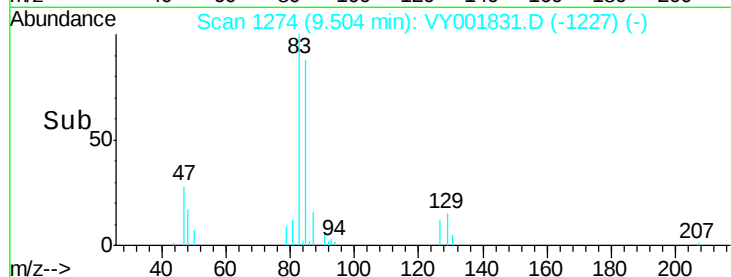
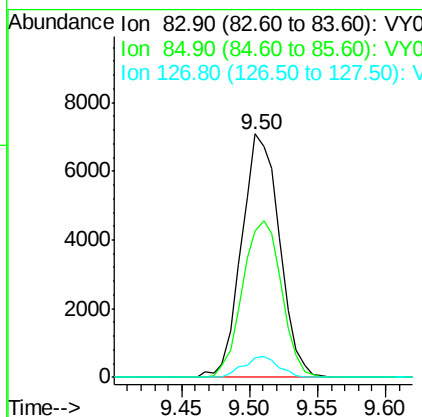
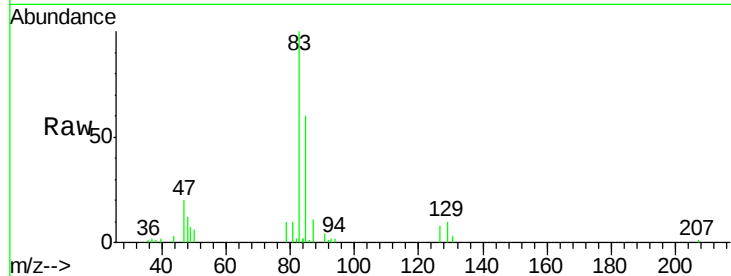
ClientSampleId :

LOQ-SOIL-02-QT1-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 13807 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 60.1  | 51.4  | 77.0  |
| 127      | 8.1   | 6.4   | 9.6   |

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#48

Methyl methacrylate

Concen: 5.114 ug/l

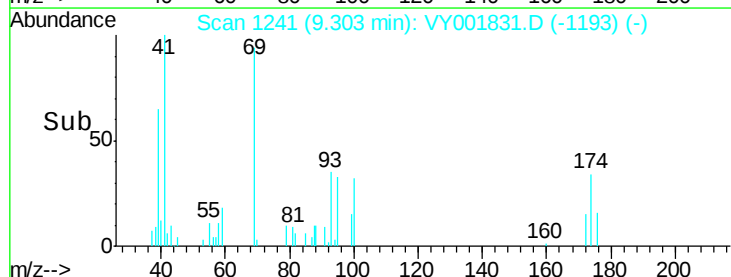
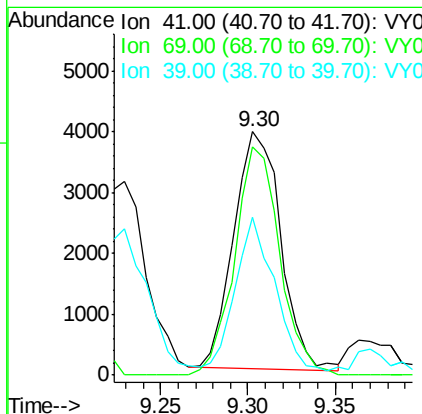
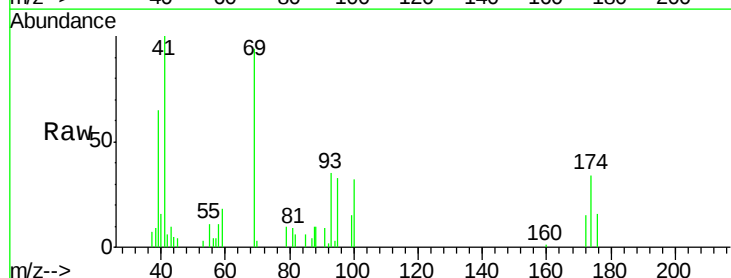
RT: 9.30 min Scan# 1241

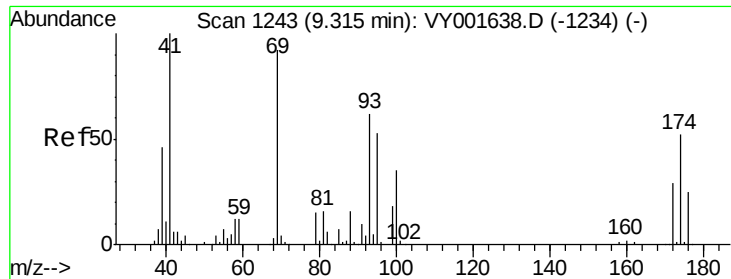
Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 7302  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 92.1  | 70.7  | 106.1 |
| 39       | 54.3  | 42.2  | 63.2  |





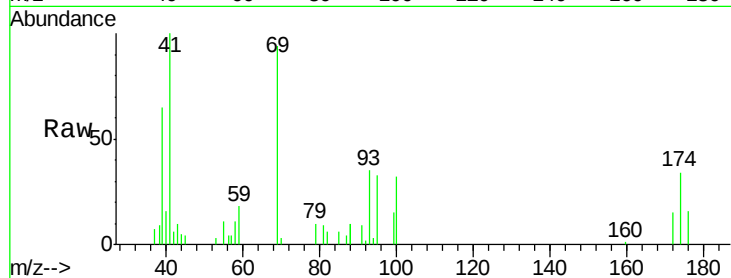
#49  
1,4-Dioxane  
Concen: 108.174 ug/l  
RT: 9.30 min Scan# 1241  
Delta R.T. -0.01 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT1-2020

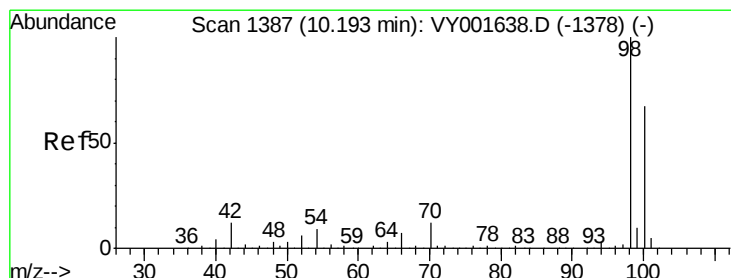
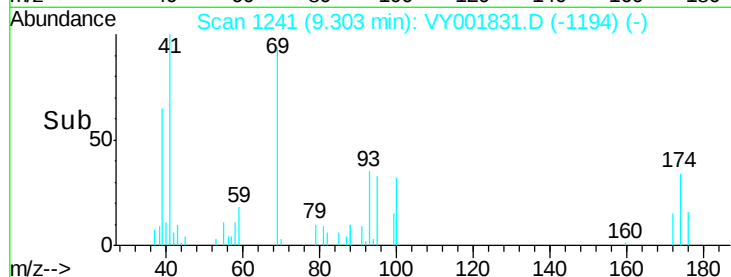
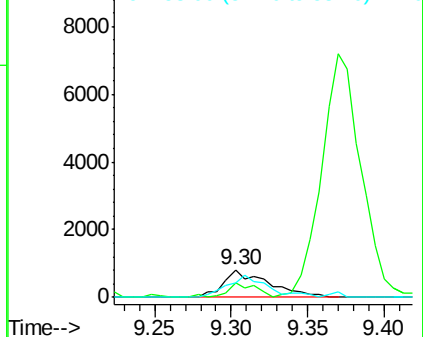
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 31.0  | 23.1  | 34.7  |
| 58      | 73.7  | 58.1  | 87.1  |

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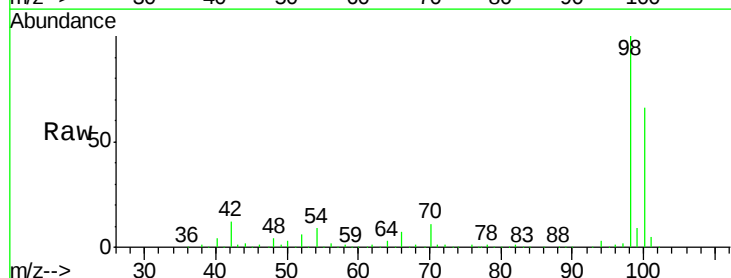


Abundance Ion 88.00 (87.70 to 88.70): VY001831.D (-1194) (-)  
Ion 43.00 (42.70 to 43.70): VY001831.D (-1194) (-)  
Ion 58.00 (57.70 to 58.70): VY001831.D (-1194) (-)

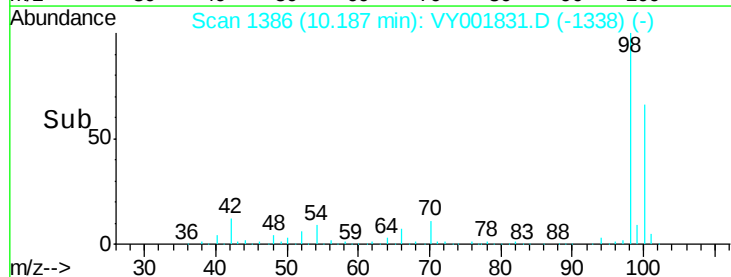
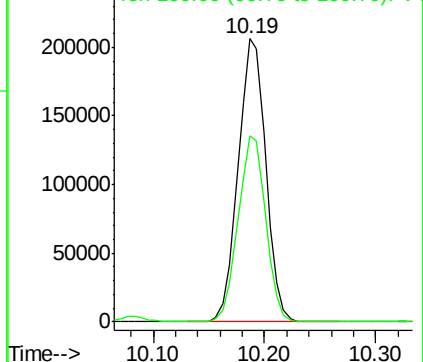


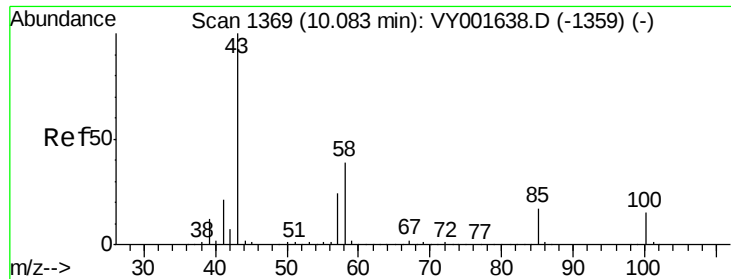
#50  
Toluene-d8  
Concen: 53.905 ug/l  
RT: 10.19 min Scan# 1386  
Delta R.T. -0.01 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.7  | 53.0  | 79.4  |



Abundance Ion 98.00 (97.70 to 98.70): VY001831.D (-1338) (-)  
Ion 100.00 (99.70 to 100.70): VY001831.D (-1338) (-)





#51

4-Methyl-2-Pentanone

Concen: 26.872 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA\_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion: 43 Resp: 43590

Ion Ratio Lower Upper

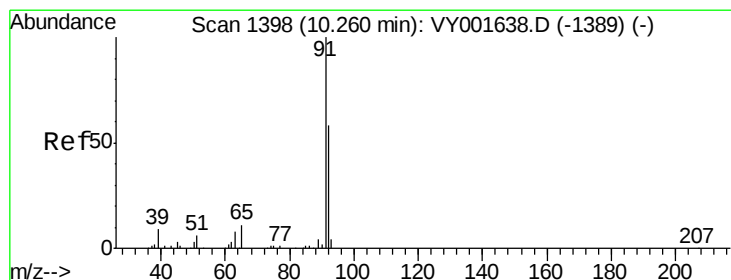
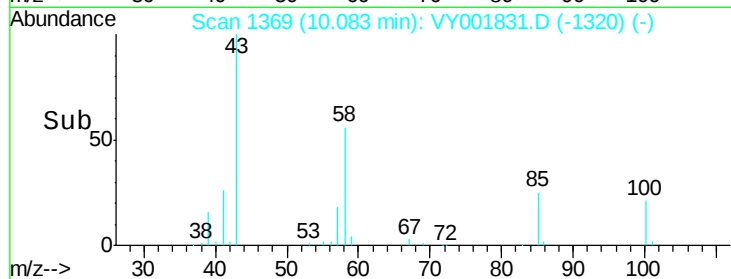
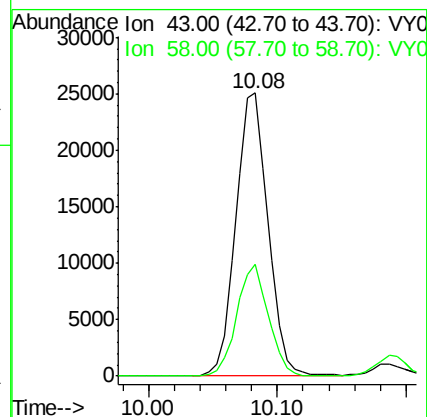
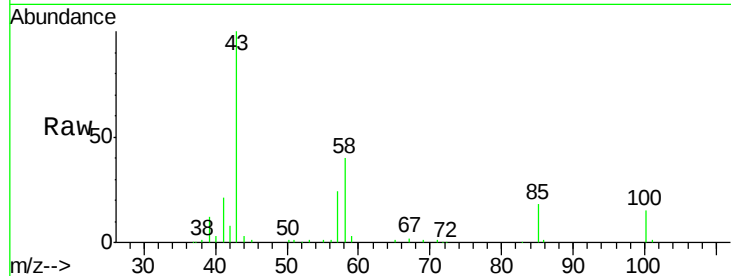
43 100

58 38.7 32.2 48.4

Manual Integrations  
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3/4/2020 2:02:08 PM



#52

Toluene

Concen: 5.637 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001831.D

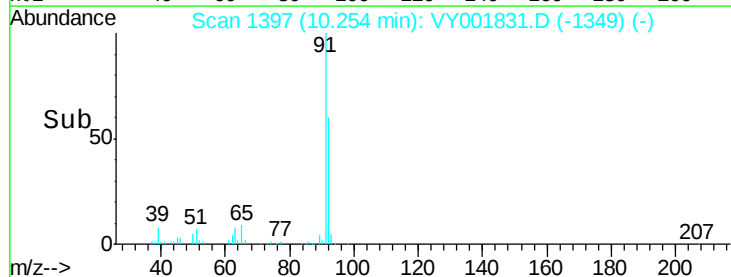
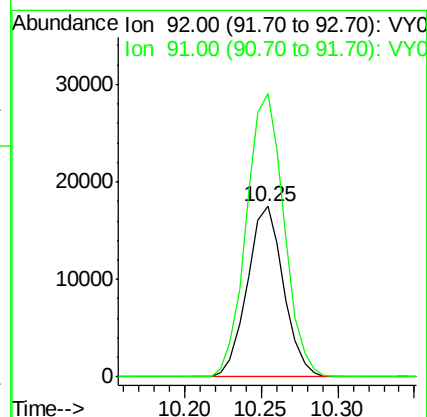
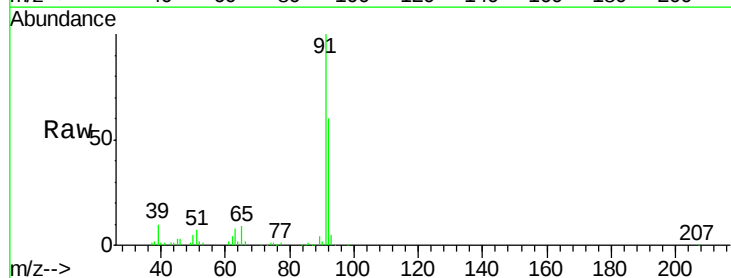
Acq: 03 Mar 2020 13:52

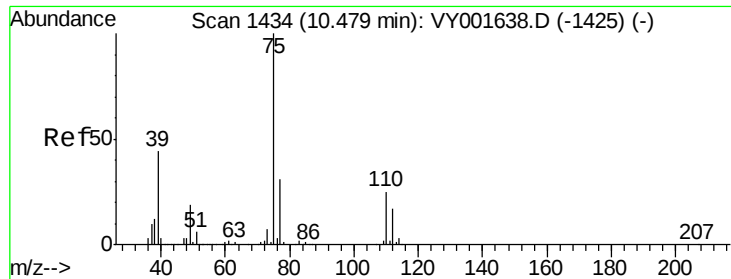
Tgt Ion: 92 Resp: 28834

Ion Ratio Lower Upper

92 100

91 171.8 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 5.159 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA\_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion: 75 Resp: 14785

Ion Ratio Lower Upper

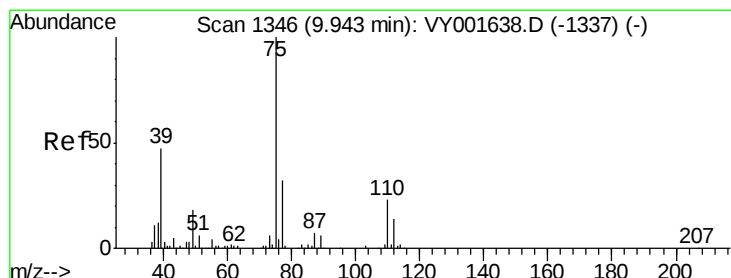
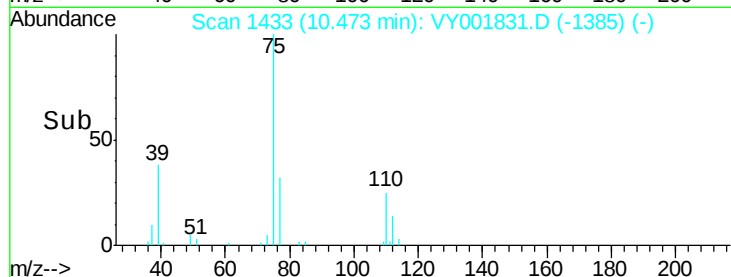
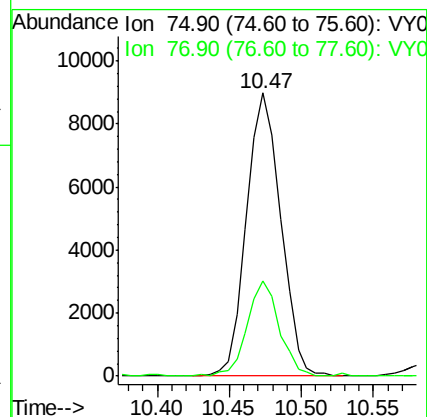
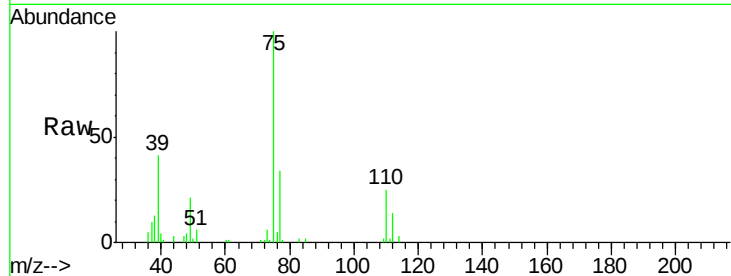
75 100

77 33.5 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 5.346 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

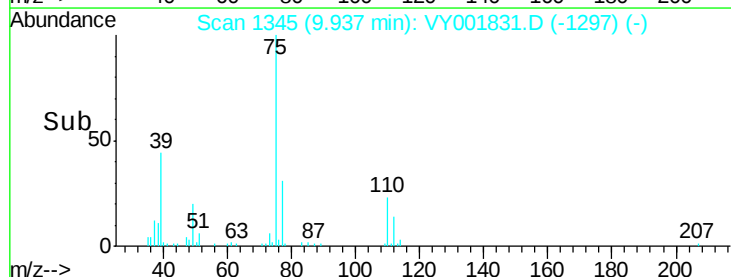
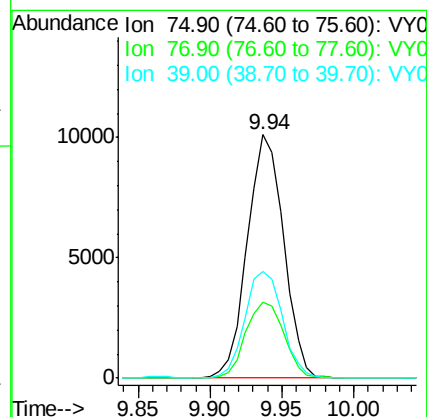
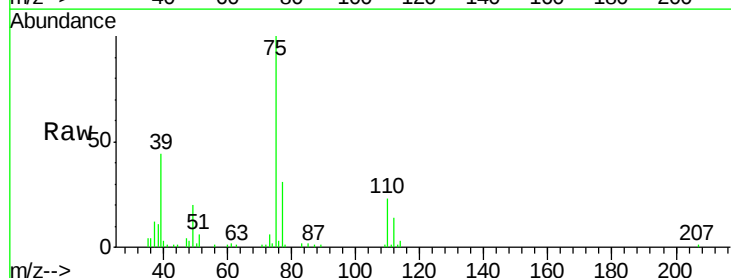
Tgt Ion: 75 Resp: 17632

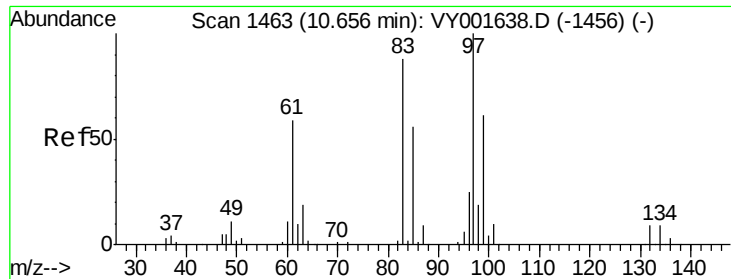
Ion Ratio Lower Upper

75 100

77 31.0 25.7 38.5

39 43.8 35.7 53.5





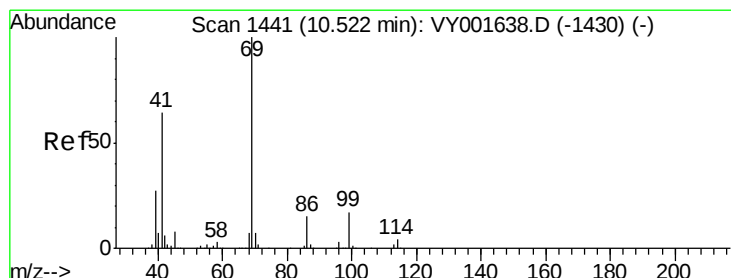
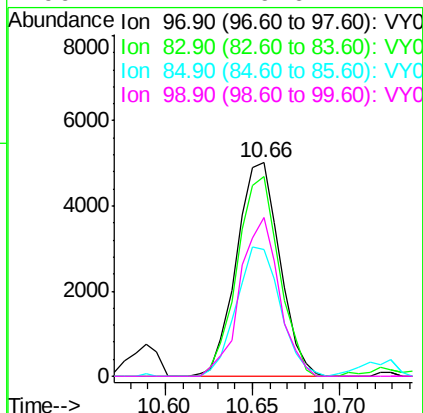
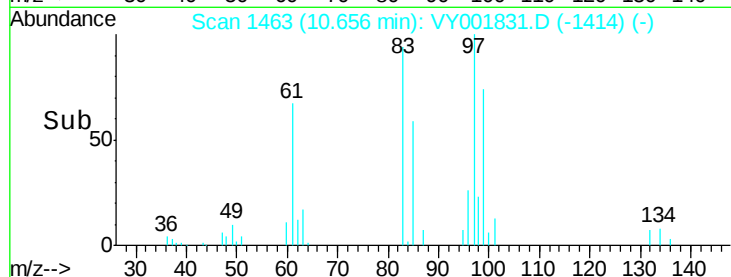
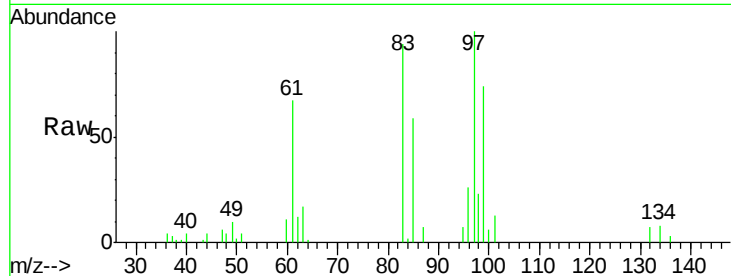
#55  
 1,1,2-Trichloroethane  
 Concen: 5.463 ug/l  
 RT: 10.66 min Scan# 1463  
 Delta R.T. -0.00 min  
 Lab File: VY001831.D  
 Acq: 03 Mar 2020 13:52

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 8652  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 93.6  | 69.7  | 104.5 |
| 85       | 59.1  | 44.5  | 66.7  |
| 99       | 74.1  | 49.6  | 74.4  |

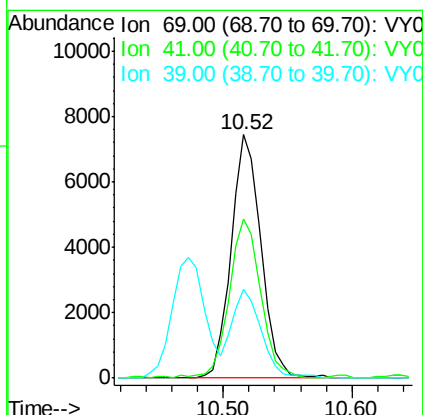
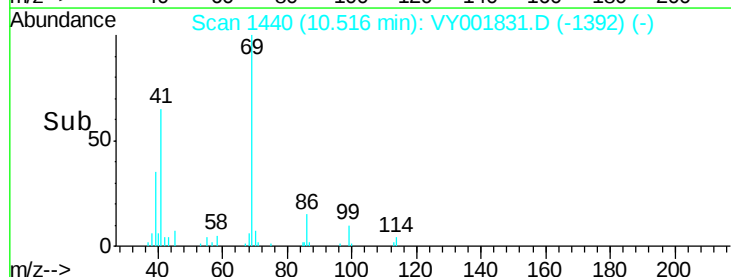
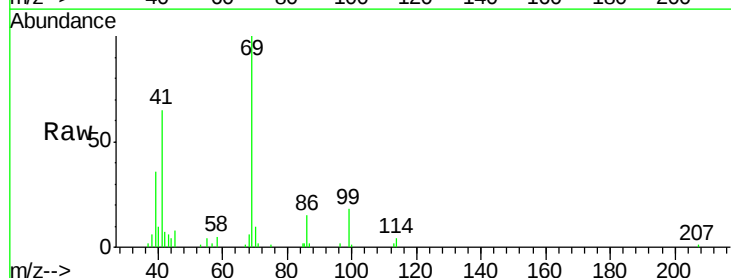
Manual Integrations  
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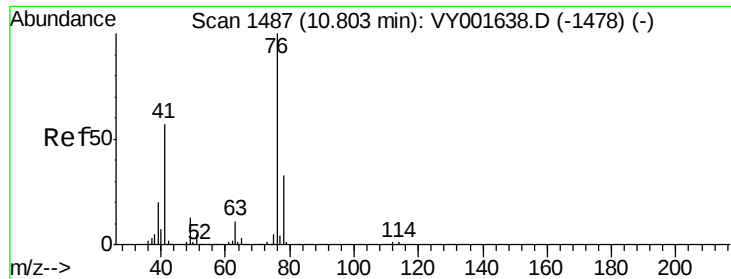
MMDadoda  
 3/4/2020 2:02:08 PM



#56  
 Ethyl methacrylate  
 Concen: 5.055 ug/l  
 RT: 10.52 min Scan# 1440  
 Delta R.T. -0.01 min  
 Lab File: VY001831.D  
 Acq: 03 Mar 2020 13:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 12010 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 69.3  | 51.0  | 76.4  |
| 39       | 36.2  | 24.7  | 37.1  |





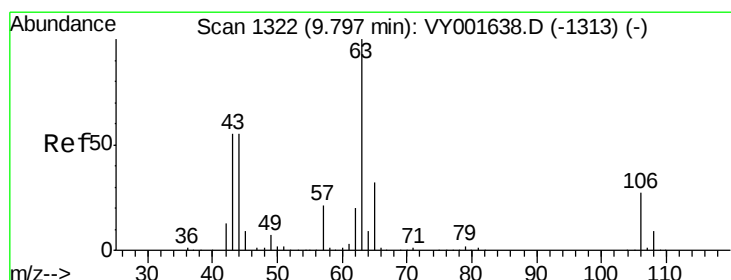
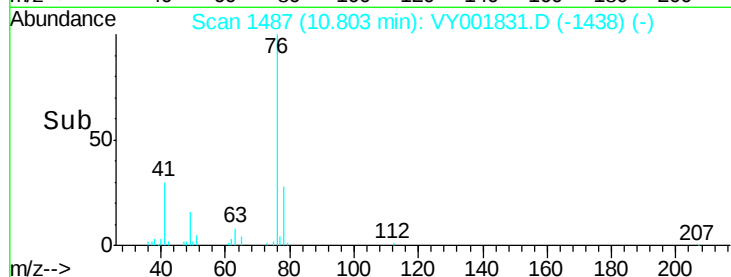
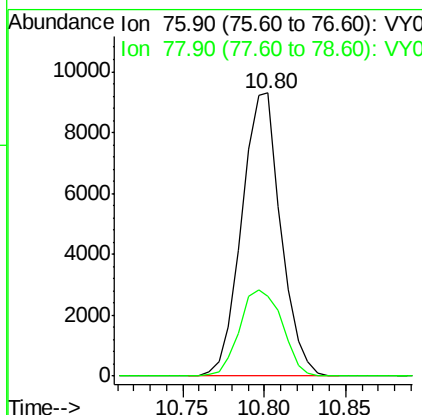
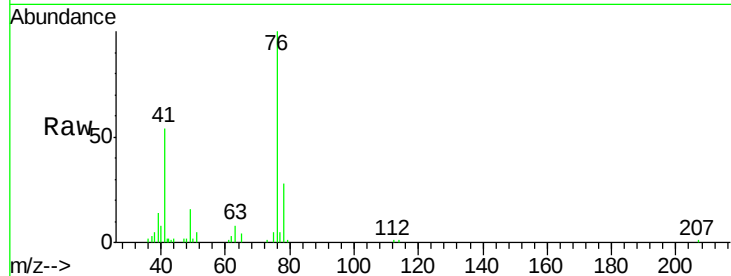
#57  
 1,3-Dichloropropane  
 Concen: 5.513 ug/l  
 RT: 10.80 min Scan# 1487  
 Delta R.T. -0.00 min  
 Lab File: VY001831.D  
 Acq: 03 Mar 2020 13:52

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2020

Tot Ion: 76 Resp: 15513  
 Ion Ratio Lower Upper  
 76 100  
 78 33.2 25.7 38.5

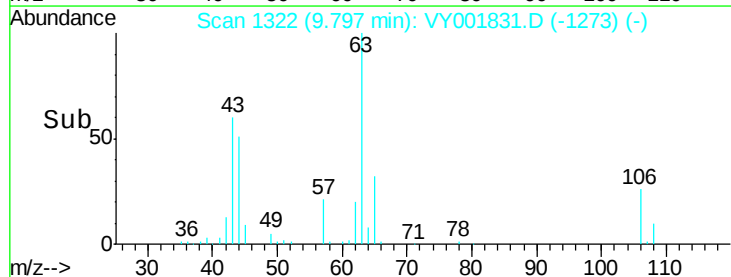
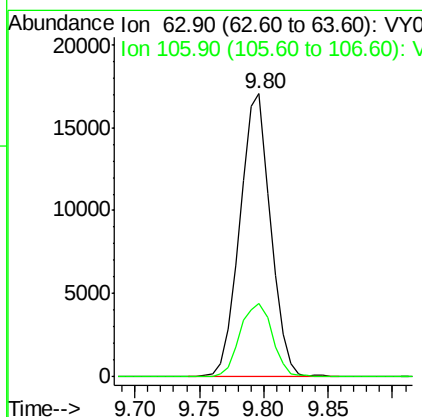
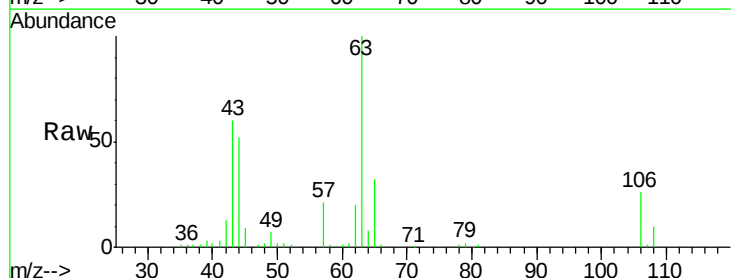
Manual Integrations  
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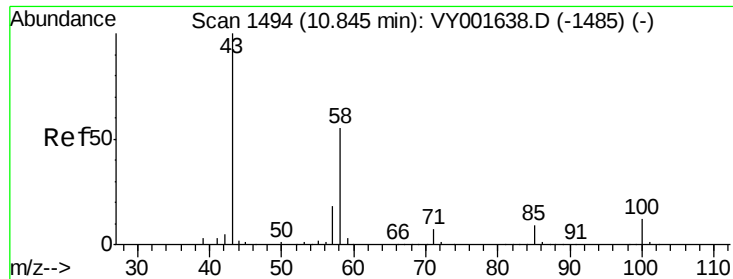
MMDadoda  
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#58  
 2-Chloroethyl Vinyl ether  
 Concen: 28.318 ug/l  
 RT: 9.80 min Scan# 1322  
 Delta R.T. 0.00 min  
 Lab File: VY001831.D  
 Acq: 03 Mar 2020 13:52

Tgt Ion: 63 Resp: 28096  
 Ion Ratio Lower Upper  
 63 100  
 106 27.5 21.6 32.4





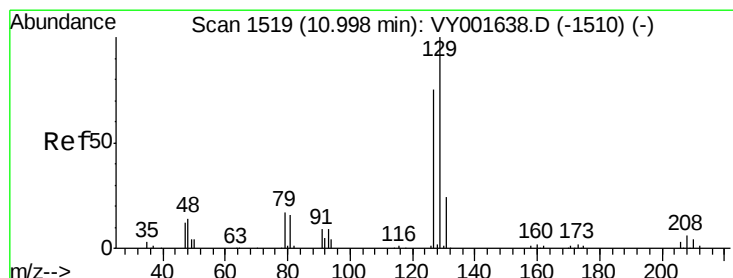
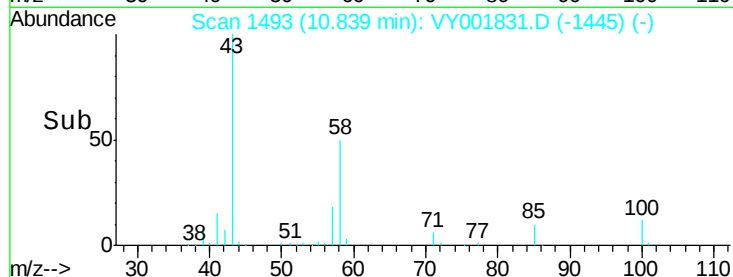
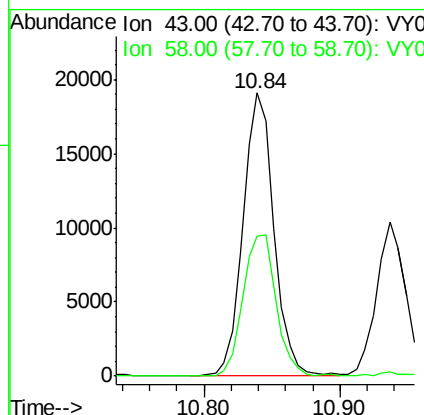
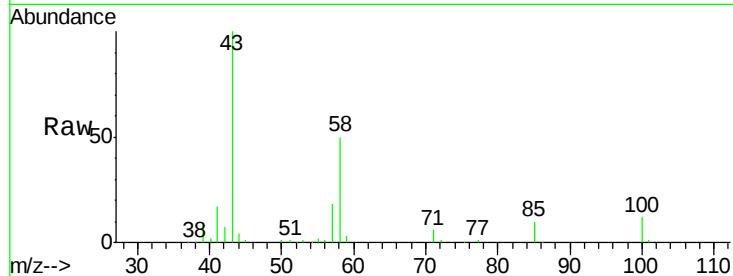
#59  
2-Hexanone  
Concen: 24.834 ug/l  
RT: 10.84 min Scan# 1493  
Delta R.T. -0.01 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT1-2020

Tot Ion: 43 Resp: 30226  
Ion Ratio Lower Upper  
43 100  
58 53.4 28.4 85.2

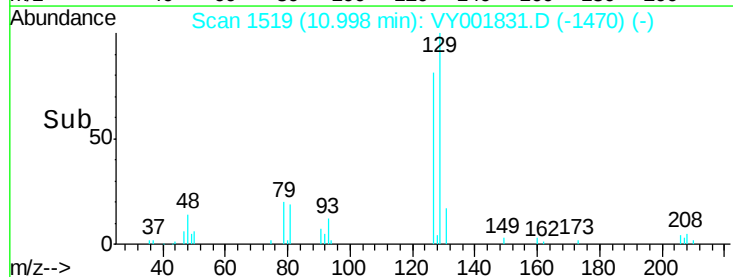
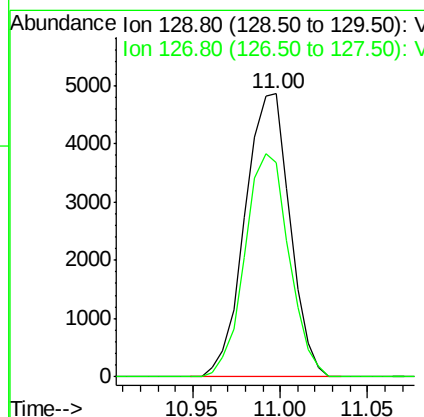
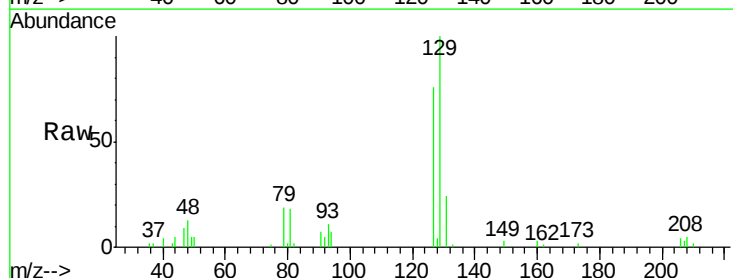
Manual Integrations  
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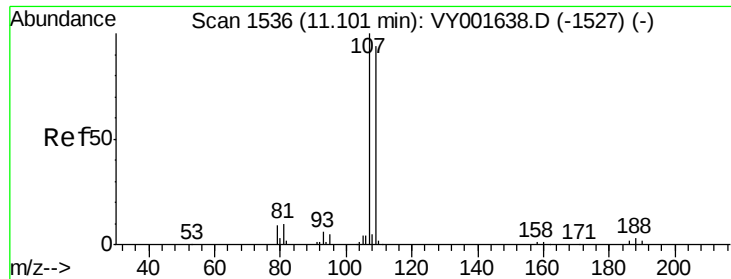
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 4.976 ug/l  
RT: 11.00 min Scan# 1519  
Delta R.T. -0.00 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

Tgt Ion: 129 Resp: 8689  
Ion Ratio Lower Upper  
129 100  
127 77.3 38.9 116.6





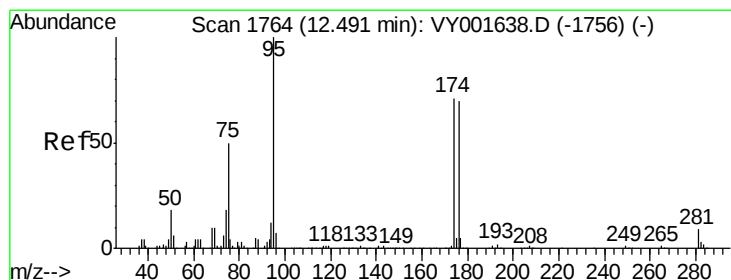
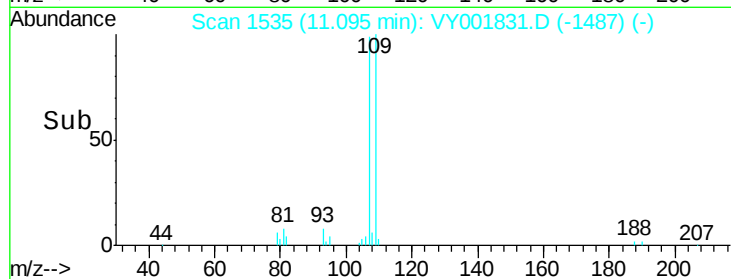
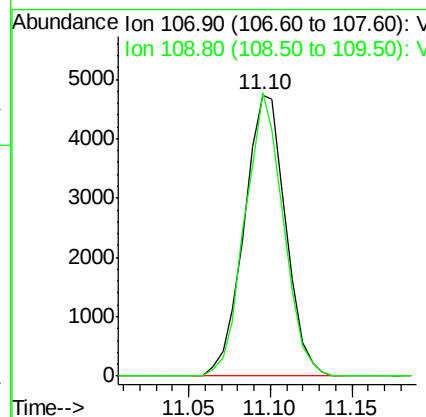
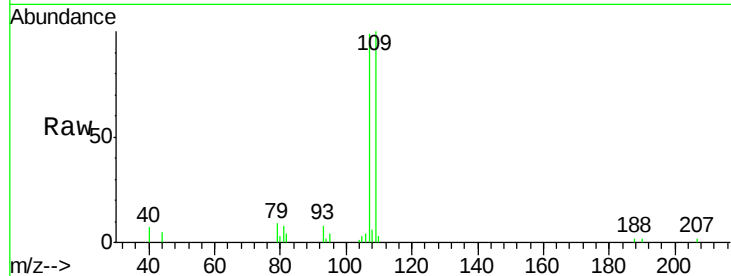
#61  
 1,2-Dibromoethane  
 Concen: 5.578 ug/l  
 RT: 11.10 min Scan# 1535  
 Delta R.T. -0.01 min  
 Lab File: VY001831.D  
 Acq: 03 Mar 2020 13:52

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.1  | 74.2  | 111.4 |

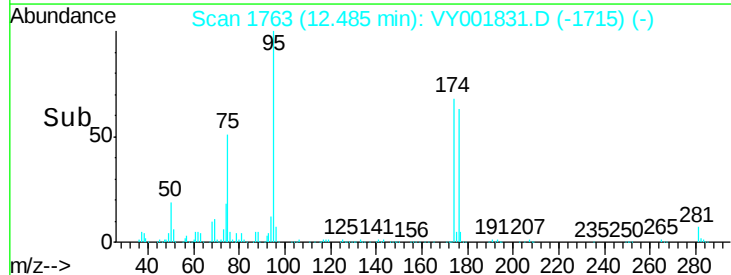
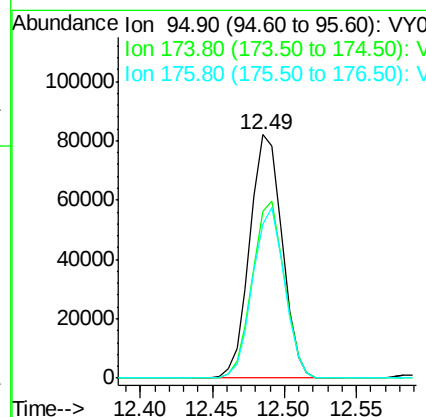
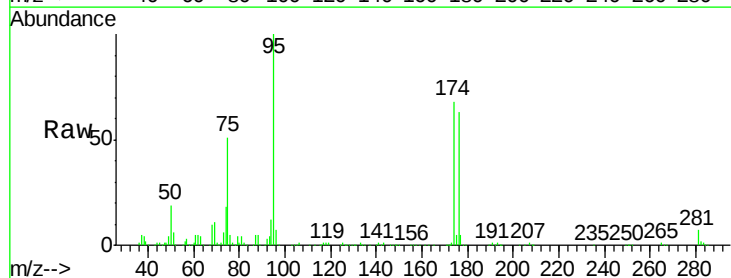
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#62  
 4-Bromofluorobenzene  
 Concen: 50.159 ug/l  
 RT: 12.49 min Scan# 1763  
 Delta R.T. -0.01 min  
 Lab File: VY001831.D  
 Acq: 03 Mar 2020 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 72.0  | 0.0   | 138.4 |
| 176     | 68.4  | 0.0   | 131.8 |





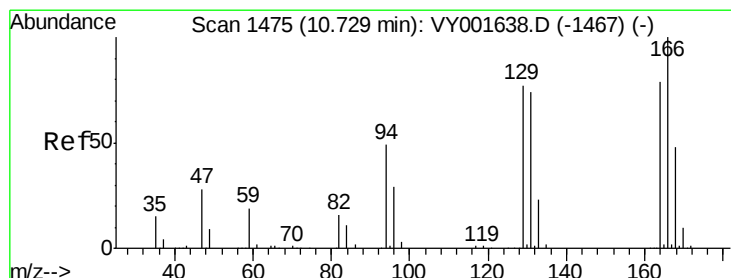
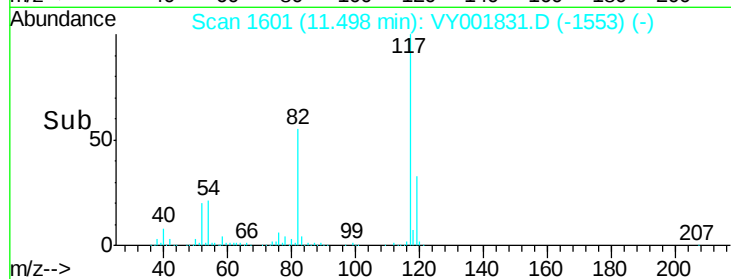
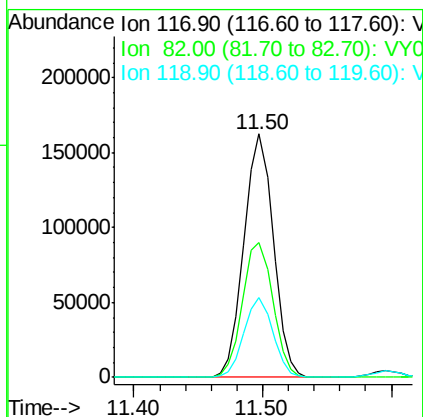
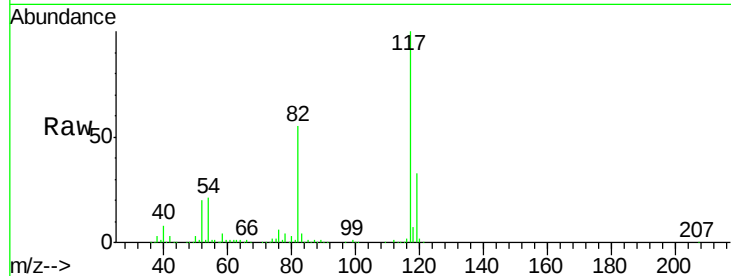
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1601  
Delta R.T. -0.01 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.4  | 45.5  | 68.3  |
| 119     | 32.6  | 25.8  | 38.6  |

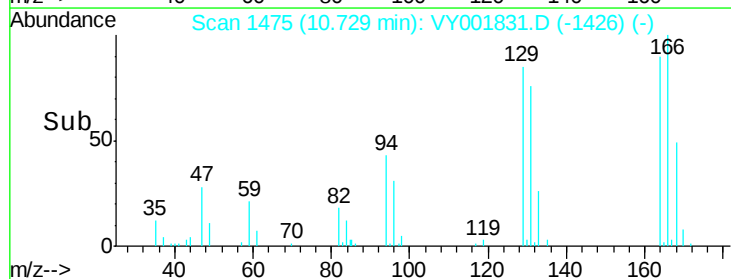
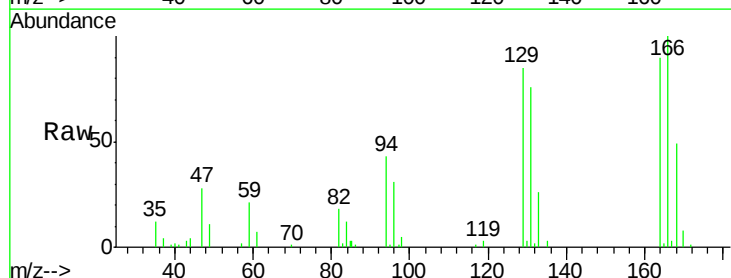
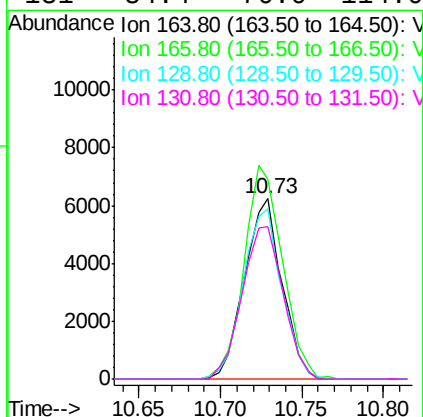
Manual Integrations  
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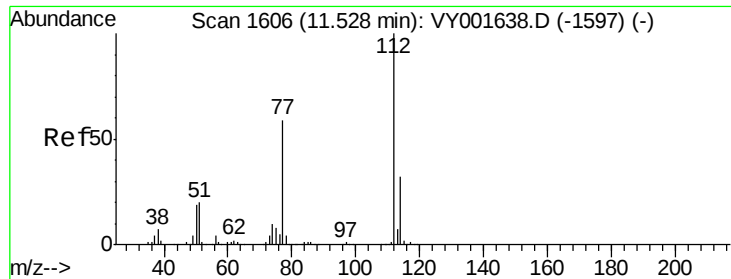
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#64  
Tetrachloroethene  
Concen: 6.187 ug/l  
RT: 10.73 min Scan# 1475  
Delta R.T. -0.00 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 110.7 | 101.4 | 152.0 |
| 129     | 94.6  | 78.7  | 118.1 |
| 131     | 84.4  | 76.0  | 114.0 |





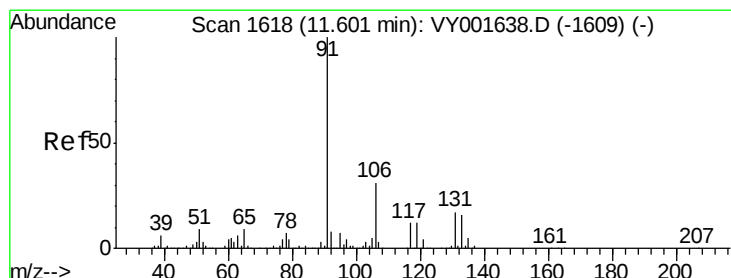
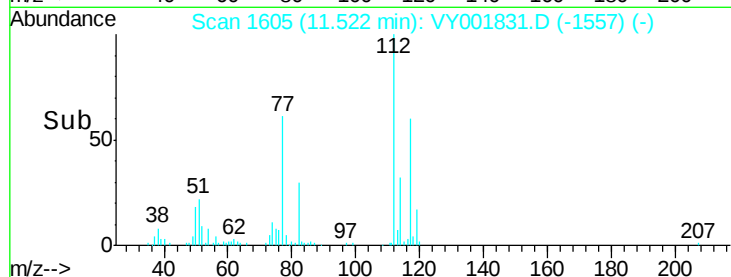
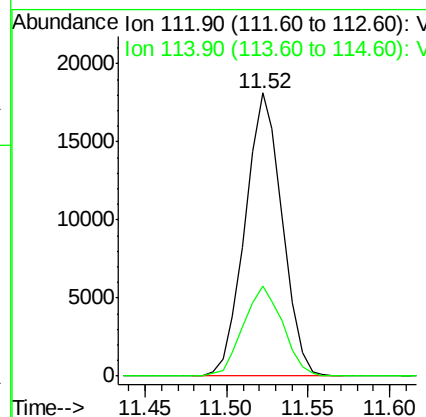
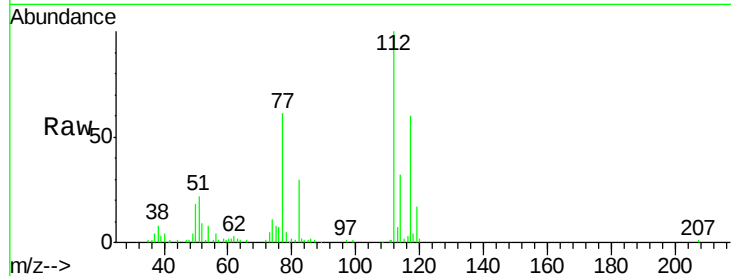
#65  
Chlorobenzene  
Concen: 5.601 ug/l  
RT: 11.52 min Scan# 1605  
Delta R.T. -0.01 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT1-2020

Tot Ion:112 Resp: 28744  
Ion Ratio Lower Upper  
112 100  
114 31.7 25.4 38.2

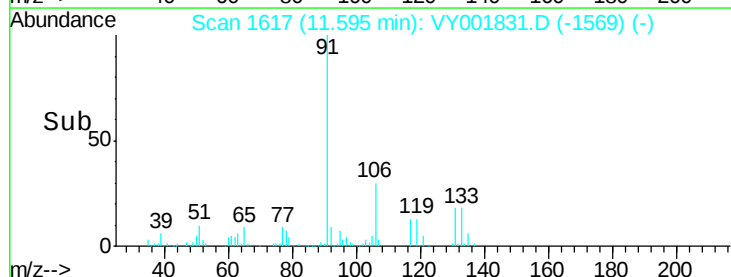
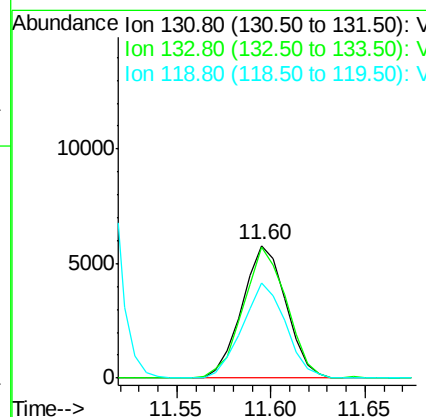
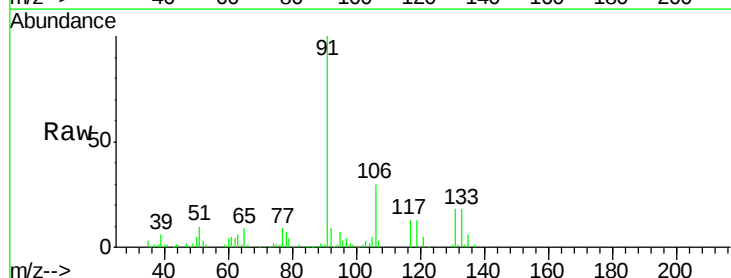
Manual Integrations  
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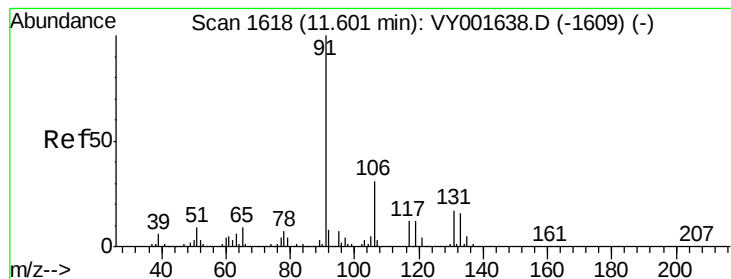
MMDadoda  
3/4/2020 2:02:08 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 5.397 ug/l  
RT: 11.60 min Scan# 1617  
Delta R.T. -0.01 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

Tgt Ion:131 Resp: 9344  
Ion Ratio Lower Upper  
131 100  
133 97.9 47.4 142.2  
119 70.9 34.4 103.1





#67

Ethyl Benzene

Concen: 5.613 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA\_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion: 91 Resp: 53462

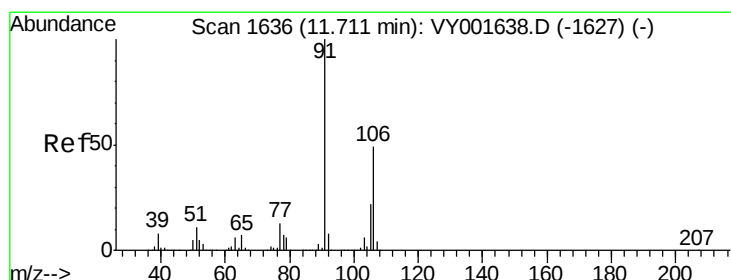
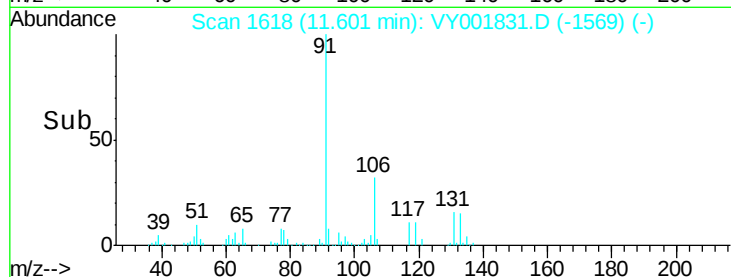
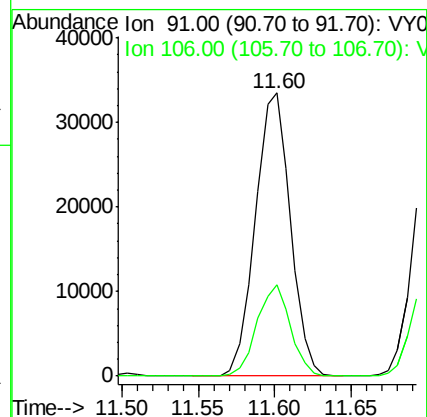
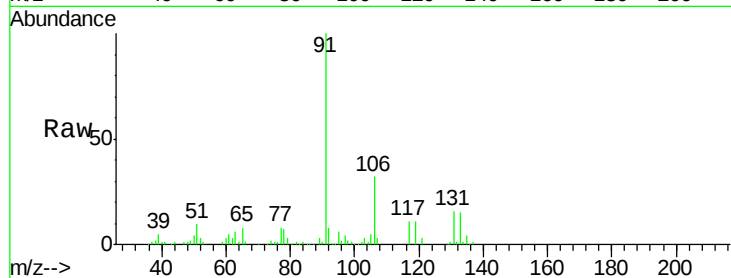
Ion Ratio Lower Upper

91 100

106 32.3 24.5 36.7

Manual Integrations  
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3/4/2020 2:02:08 PM



#68

m/p-Xylenes

Concen: 11.191 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VY001831.D

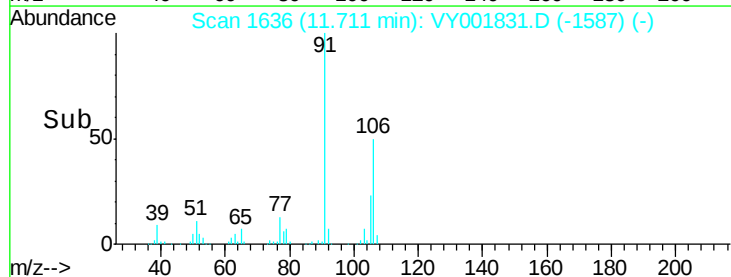
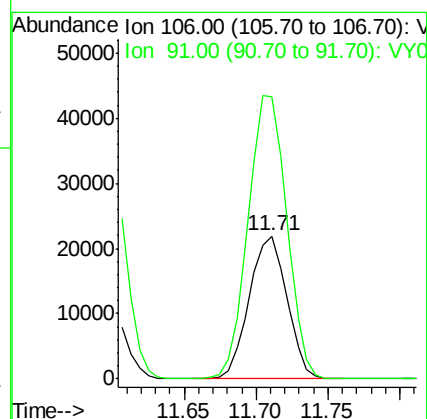
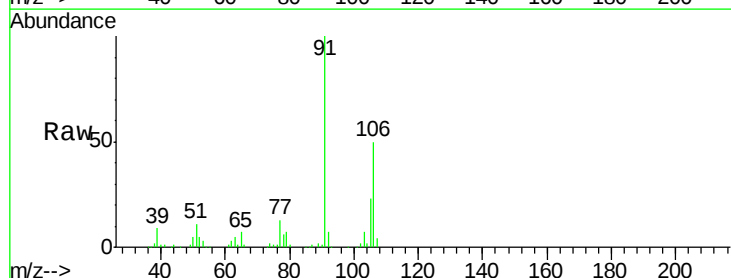
Acq: 03 Mar 2020 13:52

Tgt Ion: 106 Resp: 39814

Ion Ratio Lower Upper

106 100

91 203.0 163.3 244.9





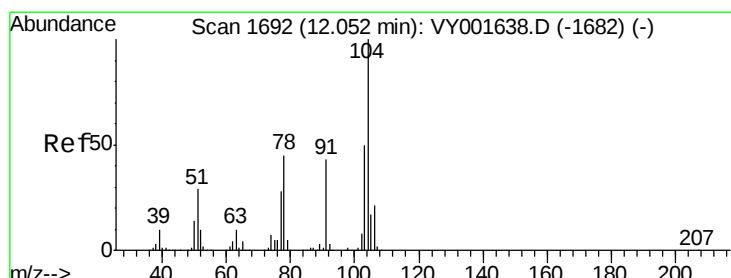
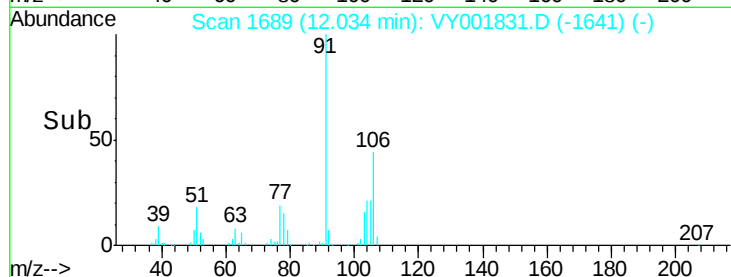
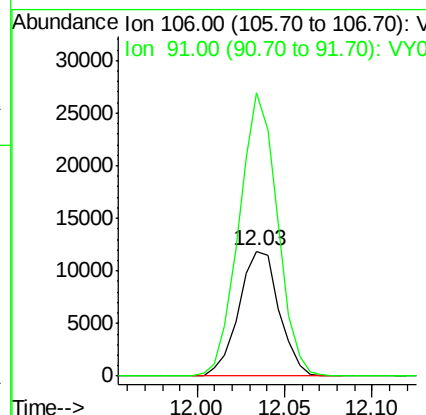
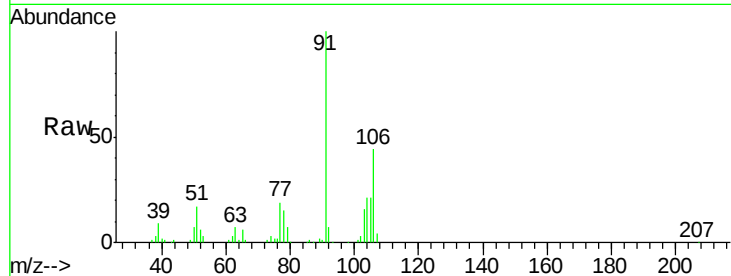
#69  
o-Xylene  
Concen: 5.614 ug/l  
RT: 12.03 min Scan# 1689  
Delta R.T. -0.01 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT1-2020

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 106     | 100   |       | 18990 |       |       |
| 91      | 215.8 | 108.3 | 324.9 |       |       |

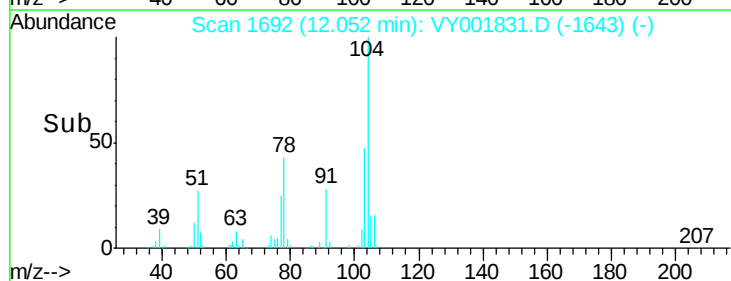
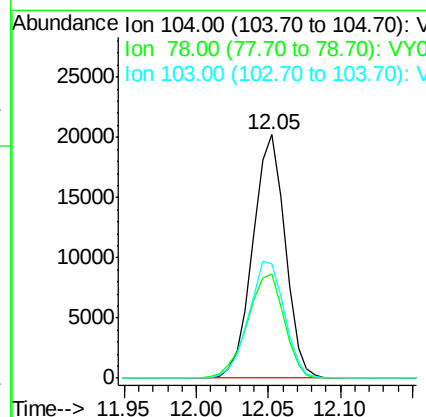
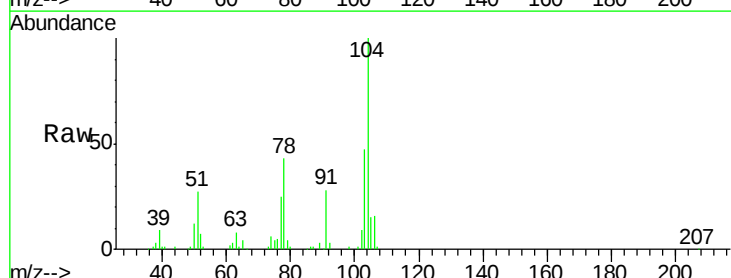
Manual Integrations  
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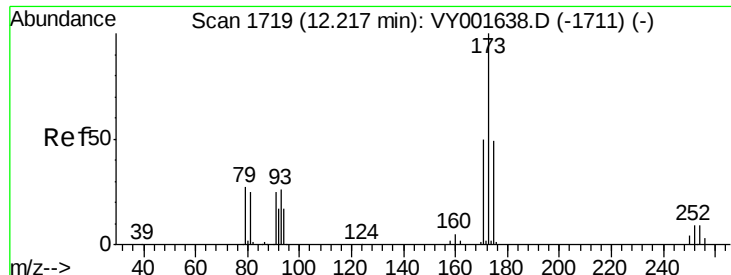
MMDadoda  
3/4/2020 2:02:08 PM



#70  
Styrene  
Concen: 5.324 ug/l  
RT: 12.05 min Scan# 1692  
Delta R.T. -0.00 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 104     | 100  |       | 31298 |       |       |
| 78      | 48.6 | 39.2  | 58.8  |       |       |
| 103     | 52.9 | 43.0  | 64.6  |       |       |





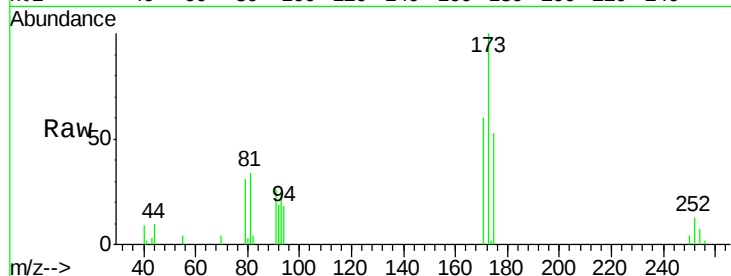
#71  
Bromoform  
Concen: 4.869 ug/l  
RT: 12.21 min Scan# 1718  
Delta R.T. -0.01 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT1-2020

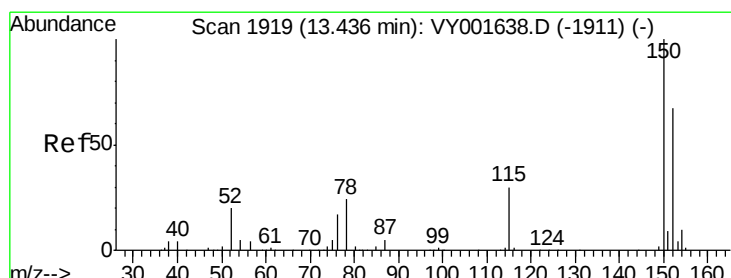
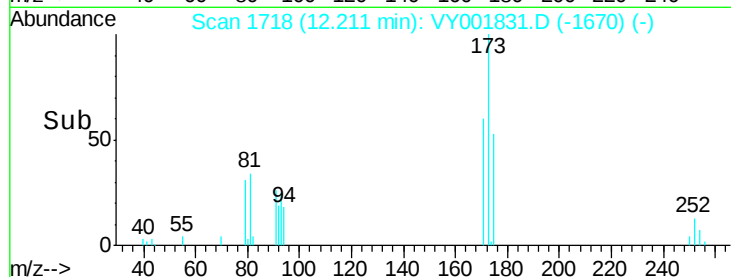
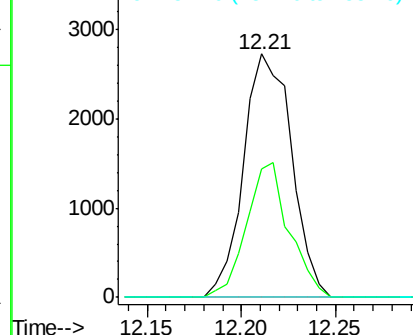
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.1  | 24.3  | 73.0  |
| 254     | 0.0   | 0.1   | 0.1#  |

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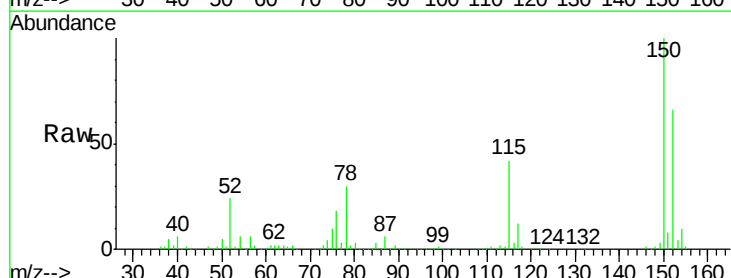


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

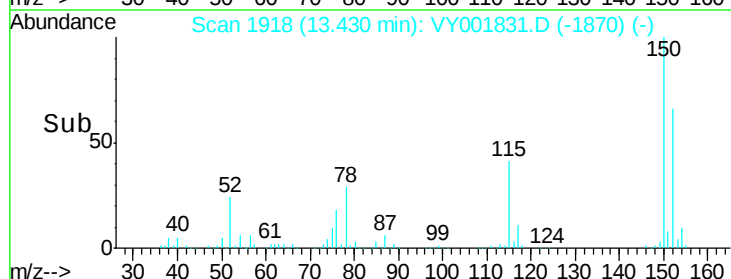
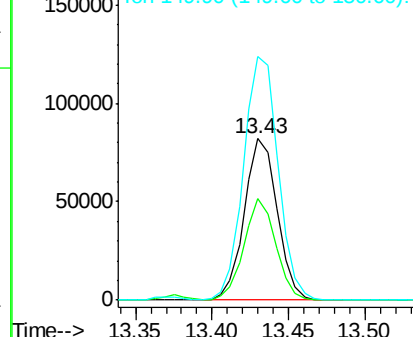


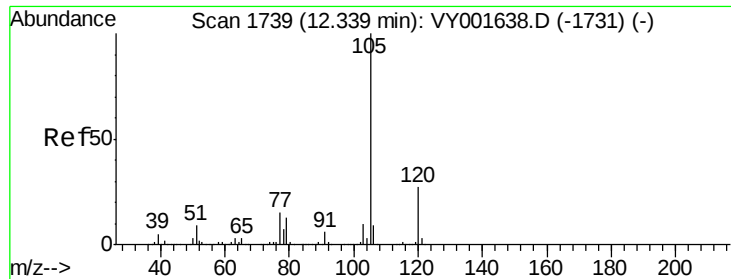
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.43 min Scan# 1918  
Delta R.T. -0.01 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 61.0  | 31.4  | 94.2  |
| 150     | 158.9 | 0.0   | 407.2 |



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





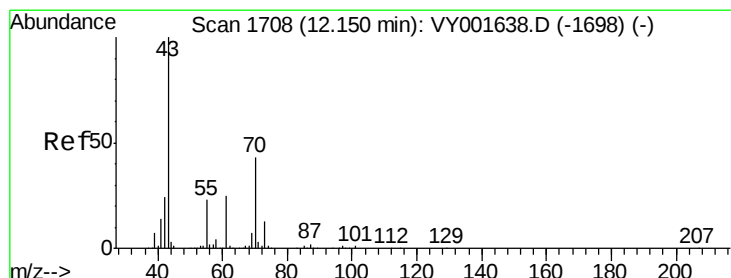
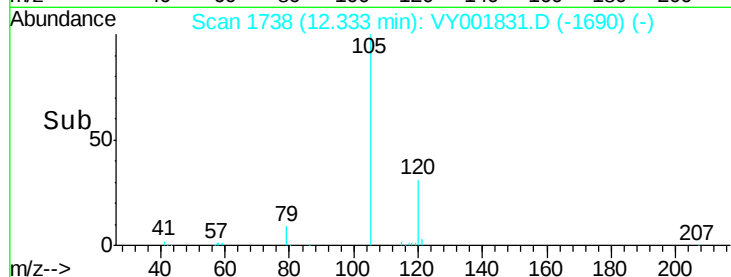
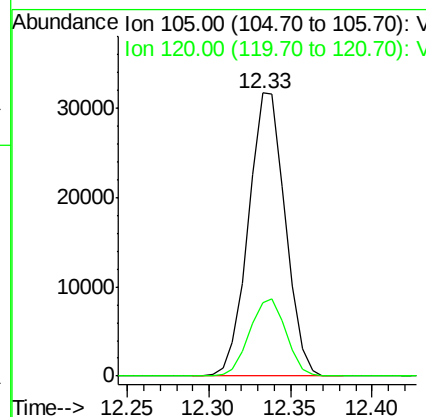
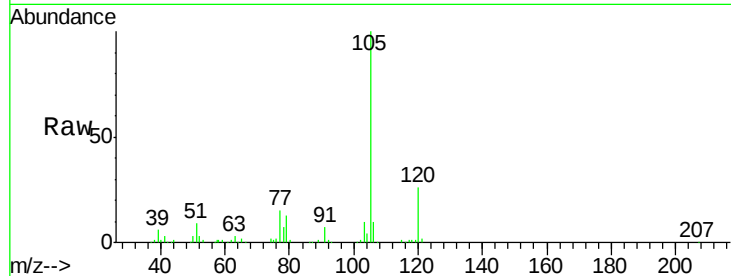
#73  
Isopropylbenzene  
Concen: 5.344 ug/l  
RT: 12.33 min Scan# 1738  
Delta R.T. -0.01 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT1-2020

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 105     | 100   | 49855 |       |       |
| 120     | 27.1  |       | 13.4  | 40.1  |

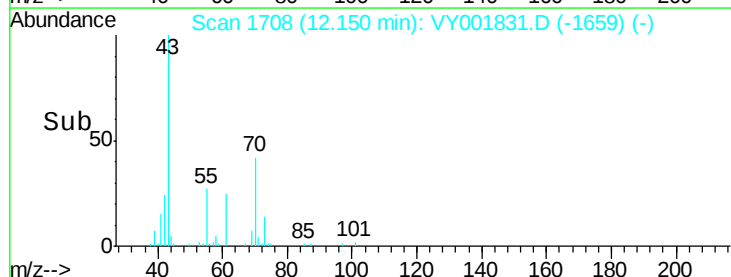
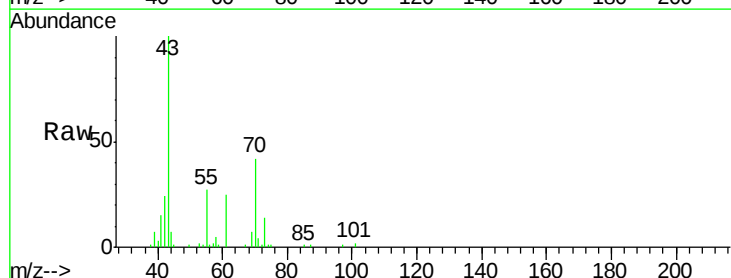
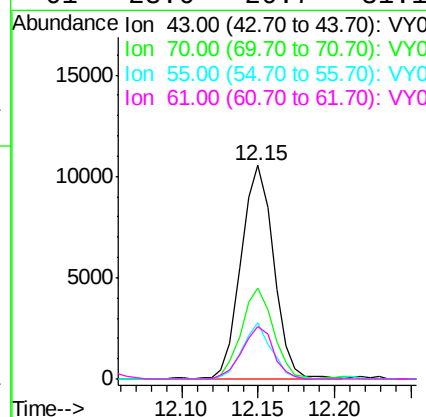
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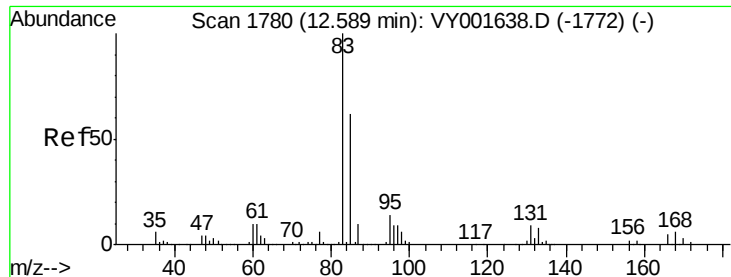
MMDadoda  
3/4/2020 2:02:08 PM



#74  
N-ethyl acetate  
Concen: 5.281 ug/l  
RT: 12.15 min Scan# 1708  
Delta R.T. -0.00 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 43      | 100   | 15723 |       |       |
| 70      | 41.3  |       | 35.9  | 53.9  |
| 55      | 23.5  |       | 18.3  | 27.5  |
| 61      | 23.6  |       | 20.7  | 31.1  |





#75

1,1,2,2-Tetrachloroethane

Concen: 5.336 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA\_Y

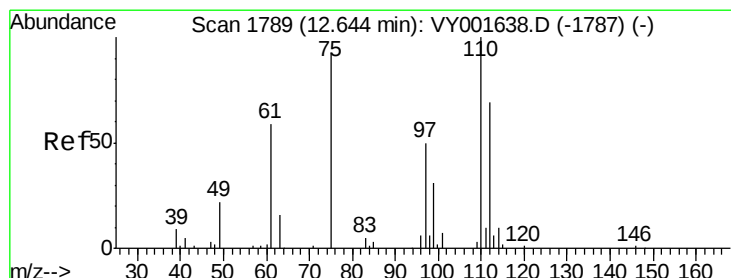
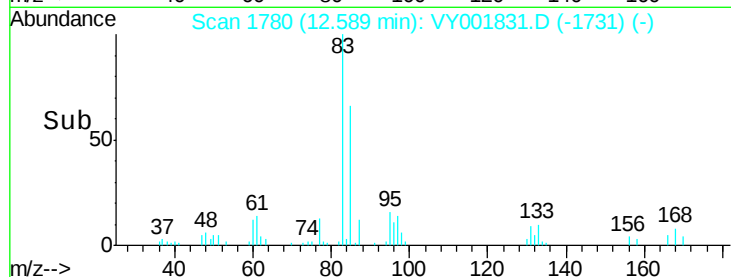
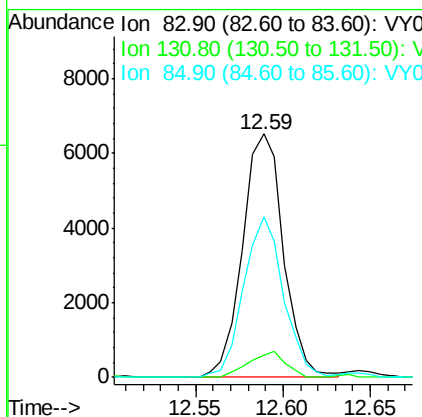
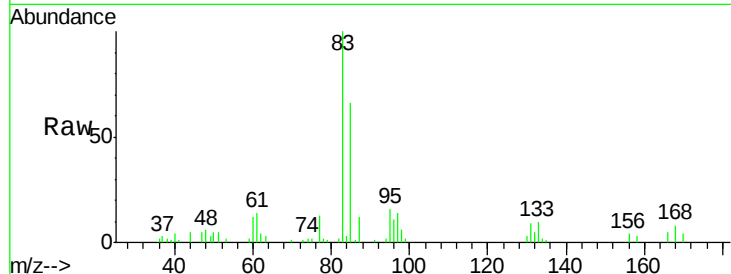
ClientSampleId :

LOQ-SOIL-02-QT1-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 10630 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.4   | 4.7   | 14.1  |
| 85        | 64.1  | 31.6  | 94.7  |

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#76

1,2,3-Trichloropropane

Concen: 5.819 ug/l m

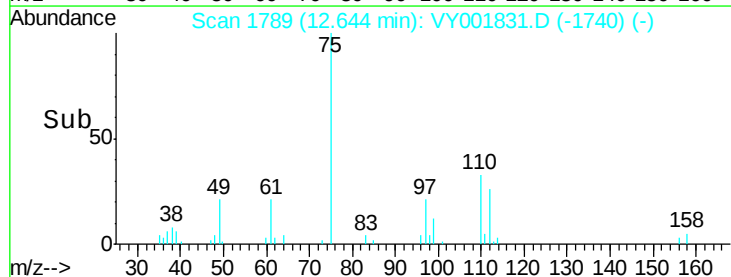
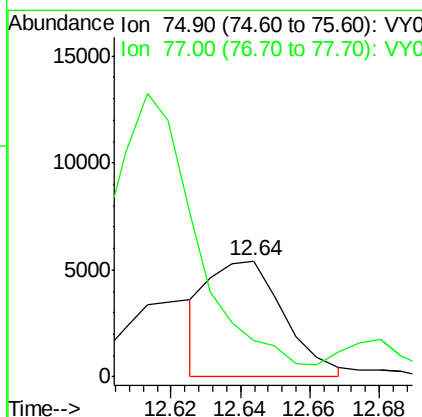
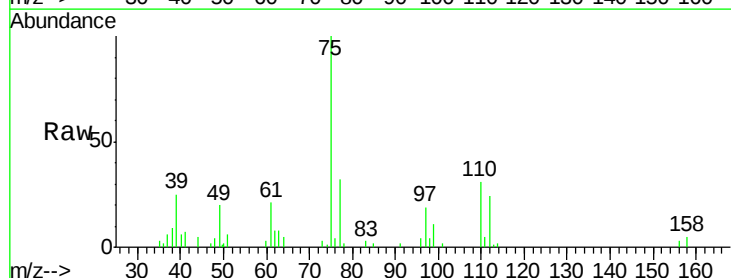
RT: 12.64 min Scan# 1789

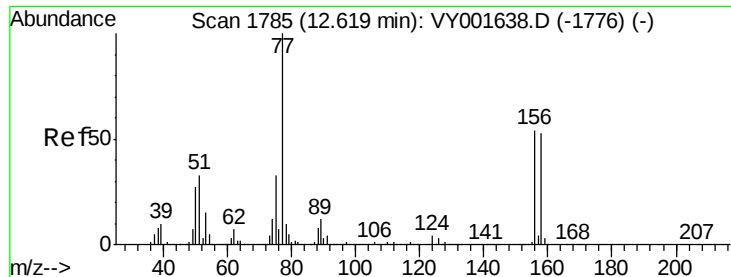
Delta R.T. -0.00 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 75    | Resp: | 8174 |
| Ion Ratio | Lower | Upper |      |
| 75        | 100   |       |      |
| 77        | 0.0   | 0.0   | 0.0  |





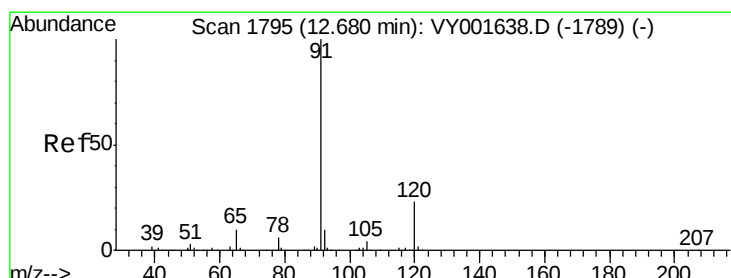
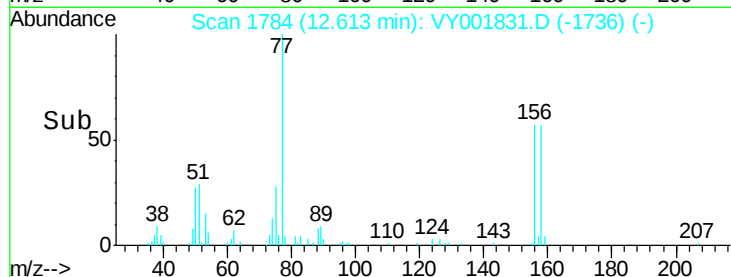
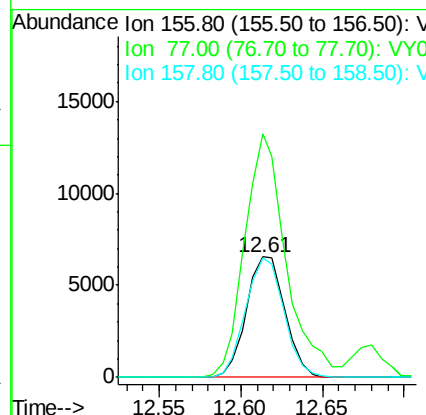
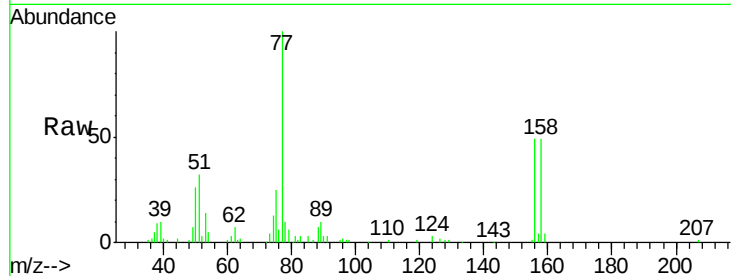
#77  
Bromobenzene  
Concen: 5.322 ug/l  
RT: 12.61 min Scan# 1784  
Delta R.T. -0.01 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 218.8 | 110.1 | 330.1 |
| 158     | 98.7  | 47.9  | 143.7 |

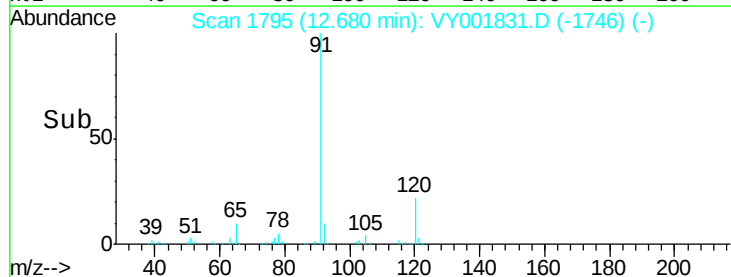
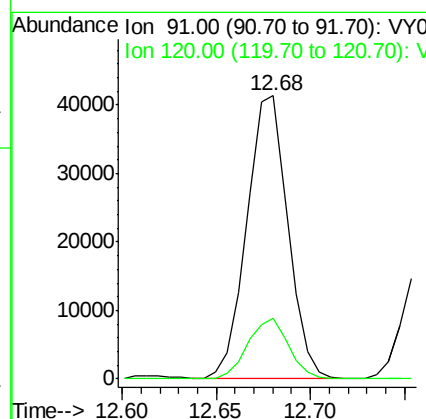
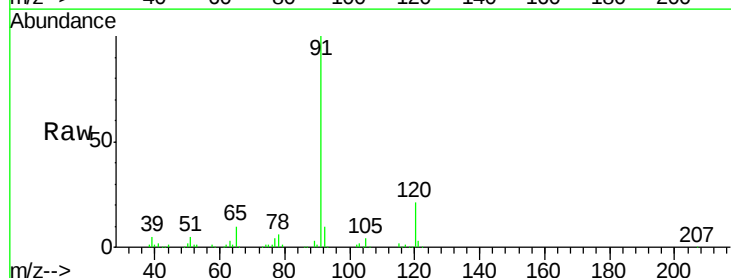
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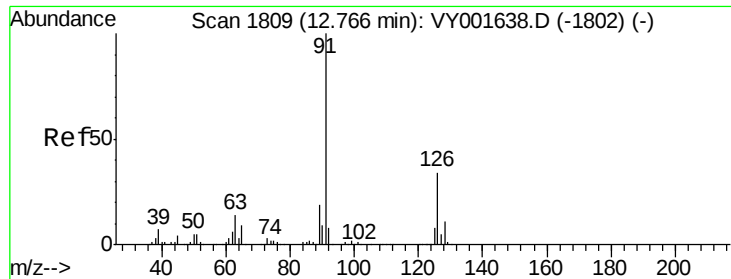
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#78  
n-propylbenzene  
Concen: 5.504 ug/l  
RT: 12.68 min Scan# 1795  
Delta R.T. -0.00 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 21.2  | 11.1  | 33.1  |





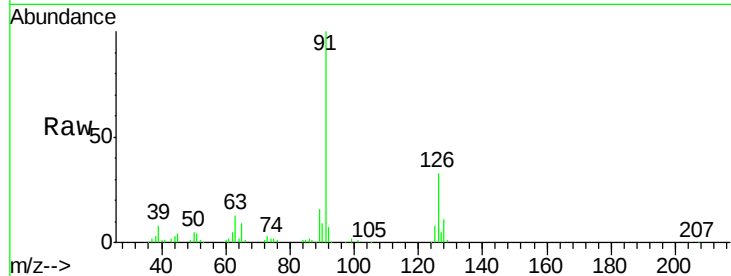
#79  
 2-Chlorotoluene  
 Concen: 5.441 ug/l  
 RT: 12.77 min Scan# 1809  
 Delta R.T. -0.00 min  
 Lab File: VY001831.D  
 Acq: 03 Mar 2020 13:52

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2020

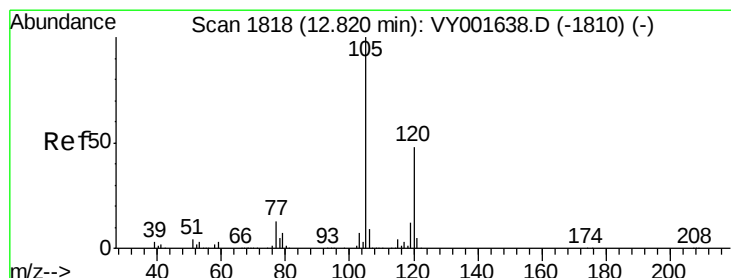
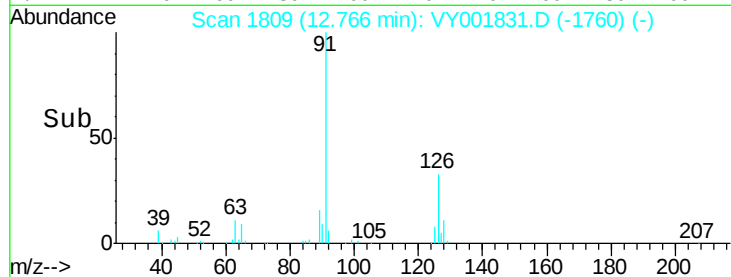
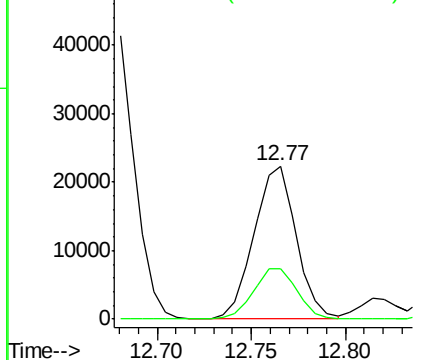
Tot Ion: 91 Resp: 34675  
 Ion Ratio Lower Upper  
 91 100  
 126 34.4 16.2 48.6

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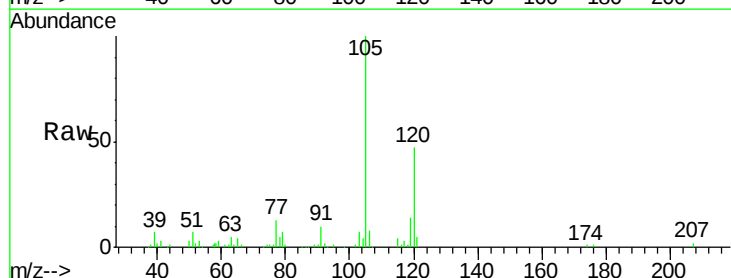


Abundance Ion 91.00 (90.70 to 91.70): VY001831.D (-1760) (-)  
 Ion 125.90 (125.60 to 126.60): VY001831.D (-1760) (-)

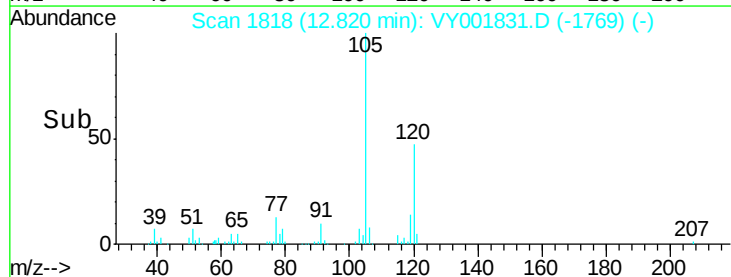
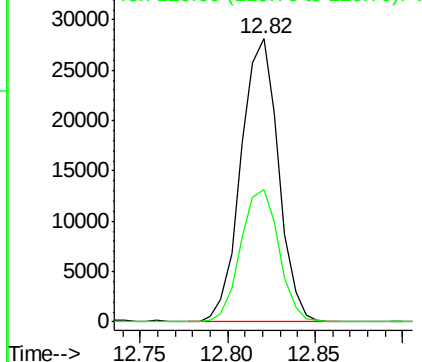


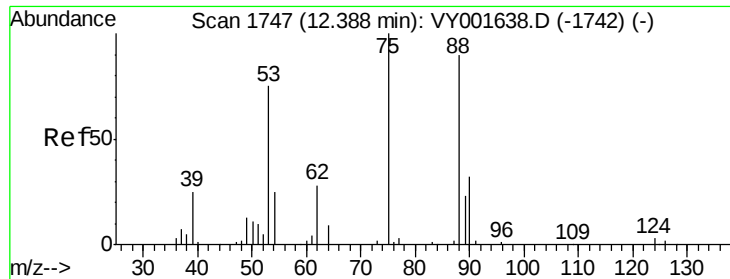
#80  
 1,3,5-Trimethylbenzene  
 Concen: 5.419 ug/l  
 RT: 12.82 min Scan# 1818  
 Delta R.T. -0.00 min  
 Lab File: VY001831.D  
 Acq: 03 Mar 2020 13:52

Tgt Ion: 105 Resp: 41846  
 Ion Ratio Lower Upper  
 105 100  
 120 47.9 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VY001831.D (-1769) (-)  
 Ion 120.00 (119.70 to 120.70): VY001831.D (-1769) (-)





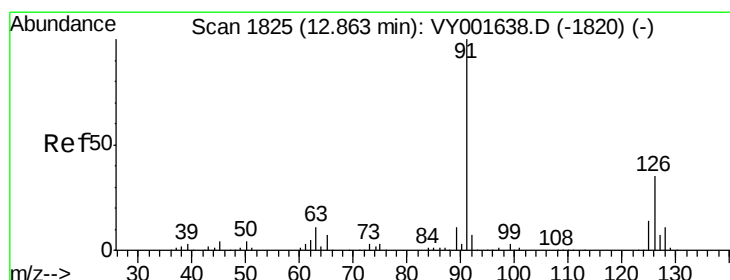
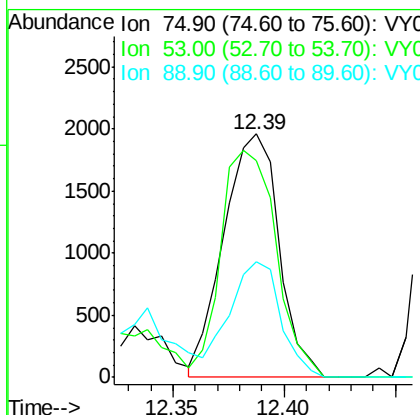
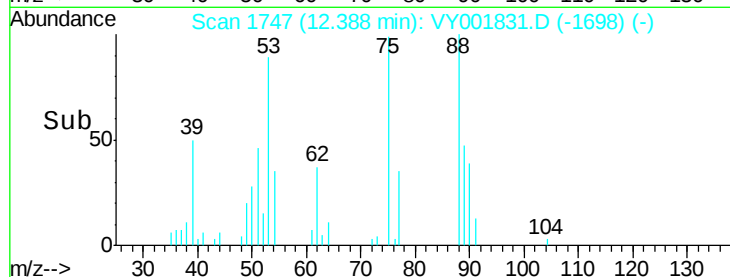
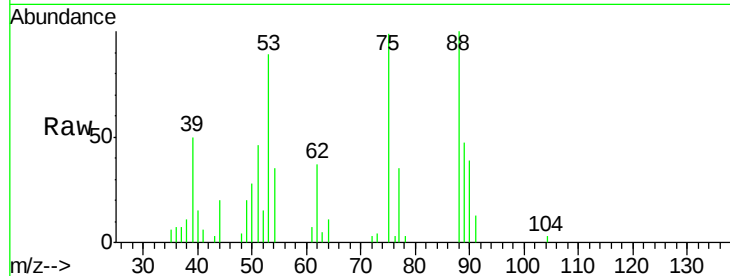
#81  
trans-1,4-Dichloro-2-butene  
Concen: 4.580 ug/l  
RT: 12.39 min Scan# 1747  
Delta R.T. -0.00 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 92.8  | 64.5  | 96.7  |
| 89      | 43.7  | 36.3  | 54.5  |

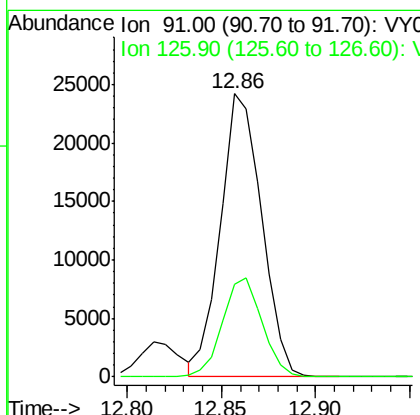
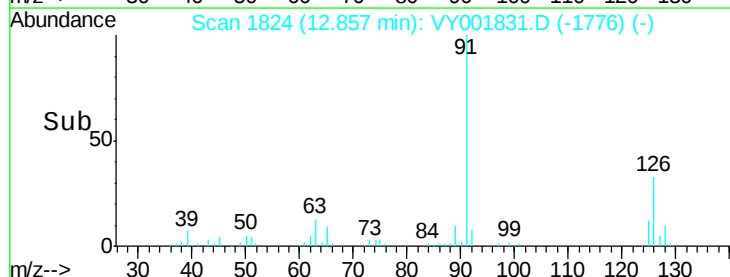
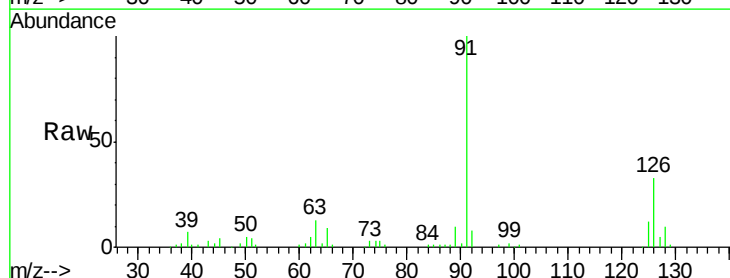
Manual Integrations  
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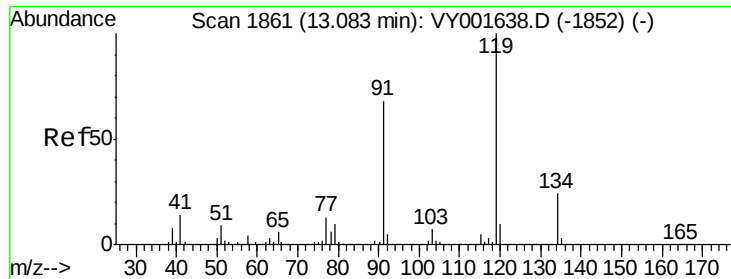
MMDadoda  
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#82  
4-Chlorotoluene  
Concen: 5.453 ug/l  
RT: 12.86 min Scan# 1824  
Delta R.T. -0.01 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 33.7  | 16.2  | 48.6  |





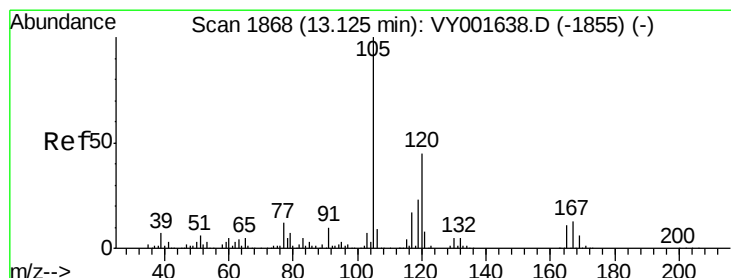
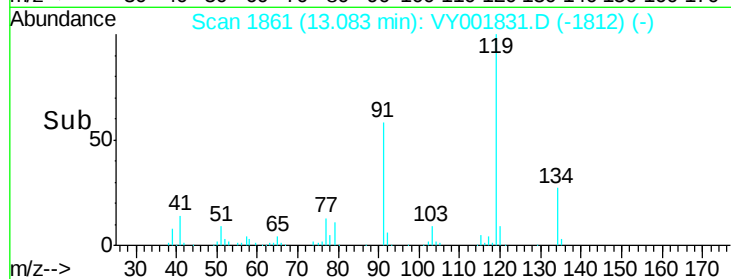
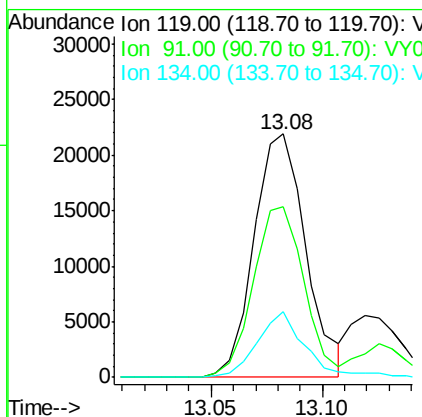
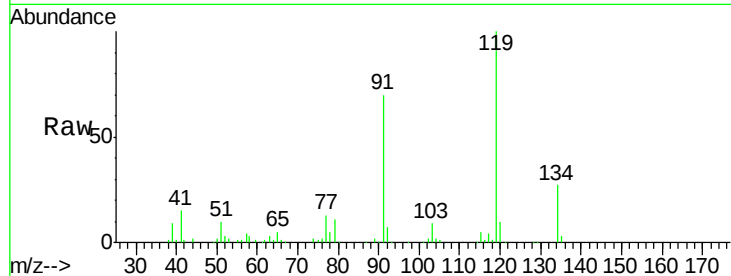
#83  
tert-Butylbenzene  
Concen: 5.490 ug/l  
RT: 13.08 min Scan# 1861  
Delta R.T. -0.00 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 68.8  | 33.5  | 100.5 |
| 134     | 25.2  | 13.3  | 39.8  |

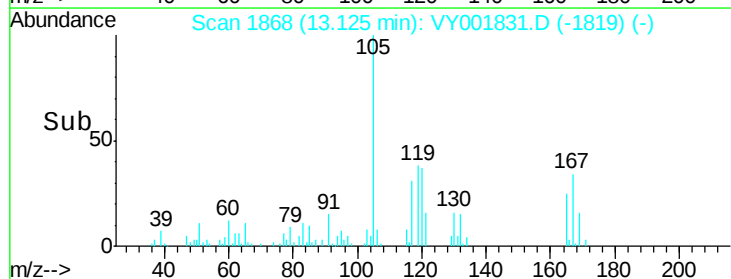
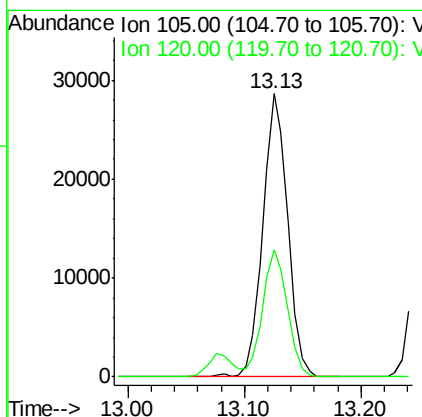
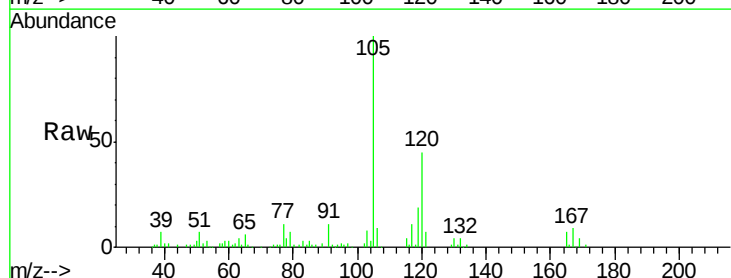
Manual Integrations  
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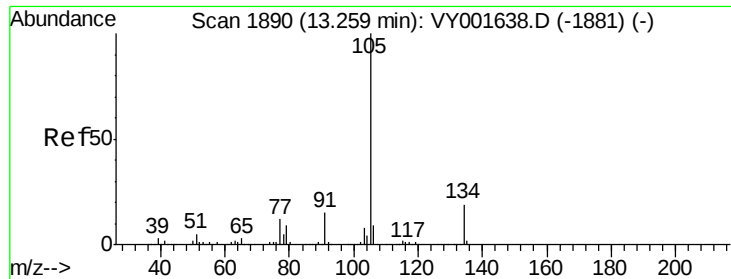
MMDadoda  
3/4/2020 2:02:08 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 5.531 ug/l  
RT: 13.13 min Scan# 1868  
Delta R.T. -0.00 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.2  | 22.4  | 67.3  |





#85

sec-Butylbenzene

Concen: 5.447 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

Instrument :

MSVOA\_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion:105 Resp: 51744

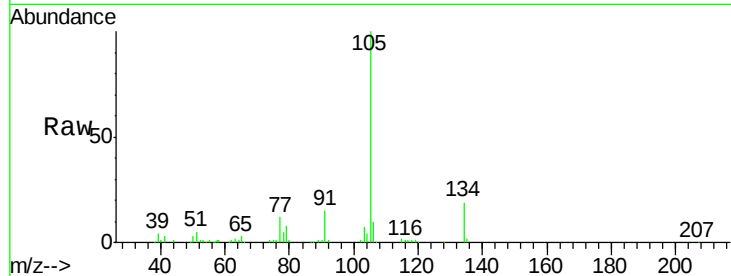
Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.26

40000

30000

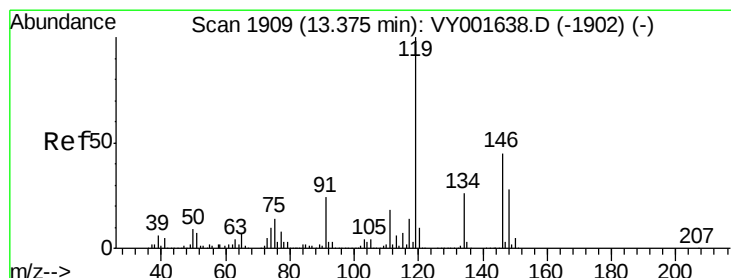
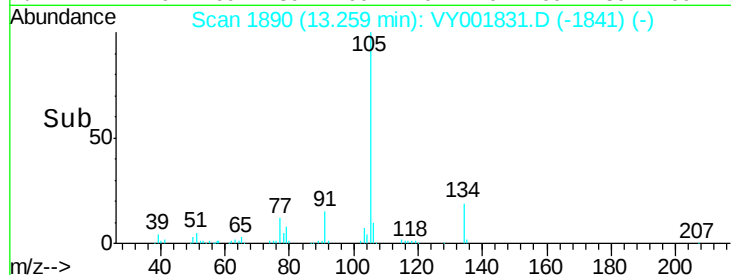
20000

10000

0

Time-->

13.20 13.25 13.30



#86

p-Isopropyltoluene

Concen: 5.545 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY001831.D

Acq: 03 Mar 2020 13:52

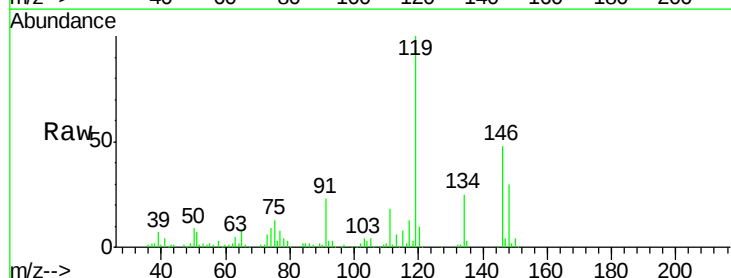
Tgt Ion:119 Resp: 45755

Ion Ratio Lower Upper

119 100

134 24.4 13.0 39.0

91 23.9 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.38

40000

30000

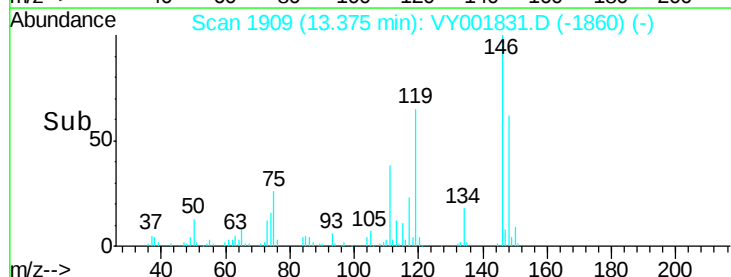
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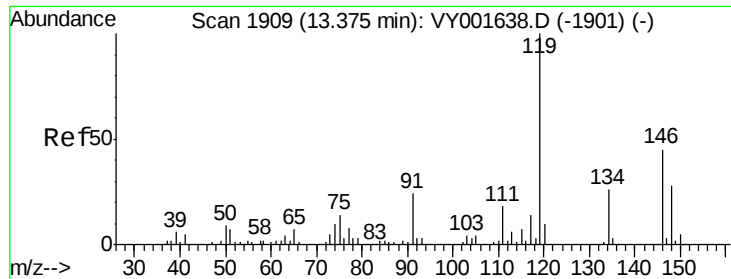
10000

0

Time-->

13.30 13.35 13.40 13.45





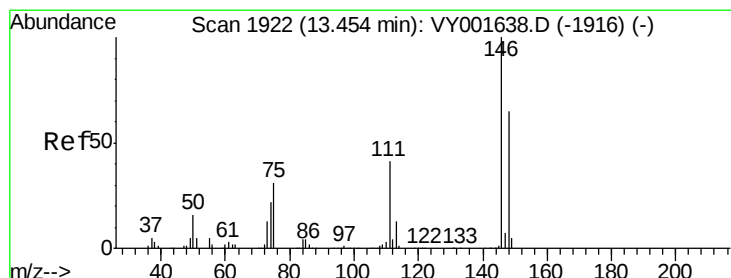
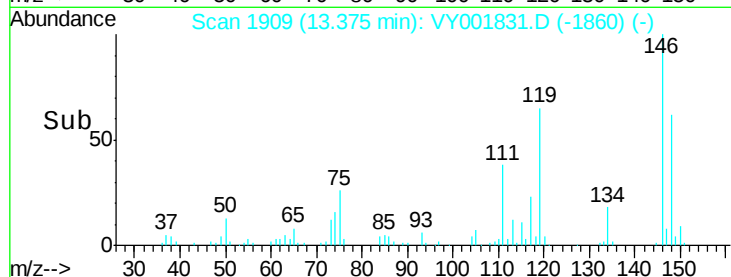
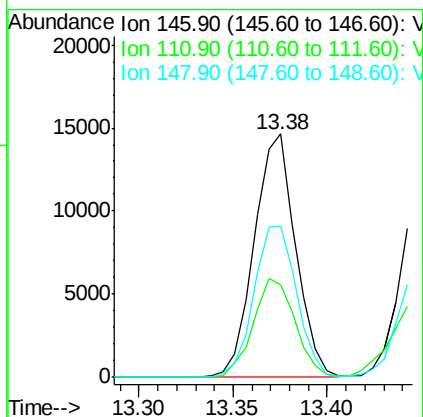
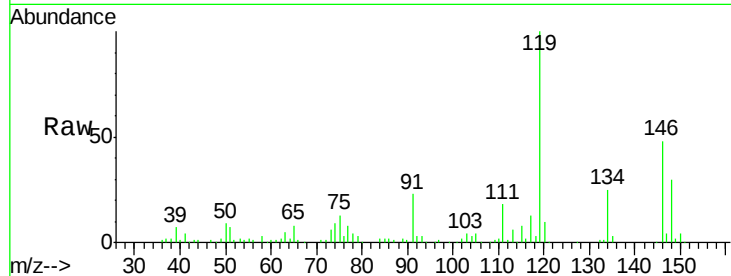
#87  
 1,3-Dichlorobenzene  
 Concen: 5.680 ug/l  
 RT: 13.38 min Scan# 1909  
 Delta R.T. -0.00 min  
 Lab File: VY001831.D  
 Acq: 03 Mar 2020 13:52

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.2  | 21.4  | 64.3  |
| 148     | 64.0  | 31.6  | 94.7  |

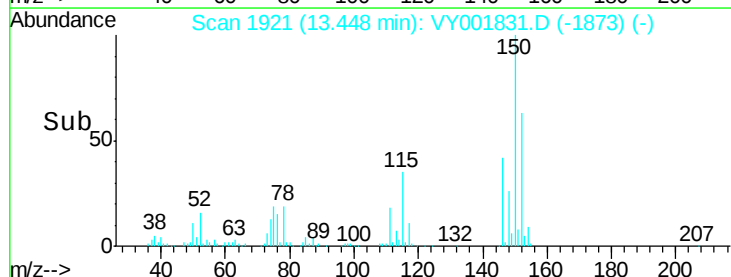
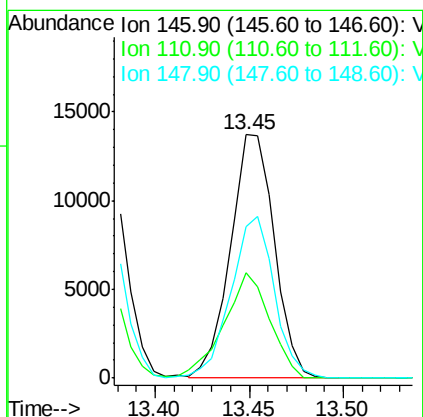
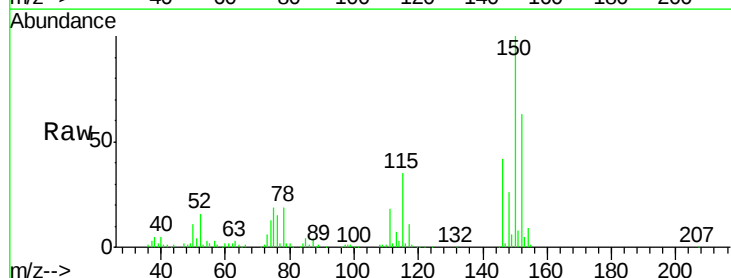
Manual Integrations  
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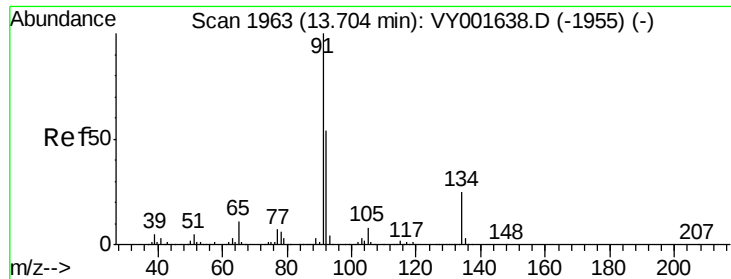
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#88  
 1,4-Dichlorobenzene  
 Concen: 5.596 ug/l  
 RT: 13.45 min Scan# 1921  
 Delta R.T. -0.01 min  
 Lab File: VY001831.D  
 Acq: 03 Mar 2020 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 45.2  | 20.4  | 61.3  |
| 148     | 65.8  | 31.6  | 94.7  |





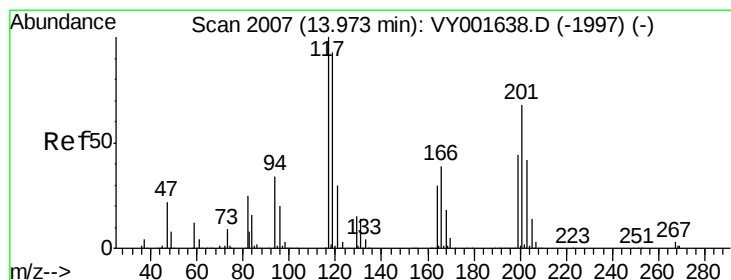
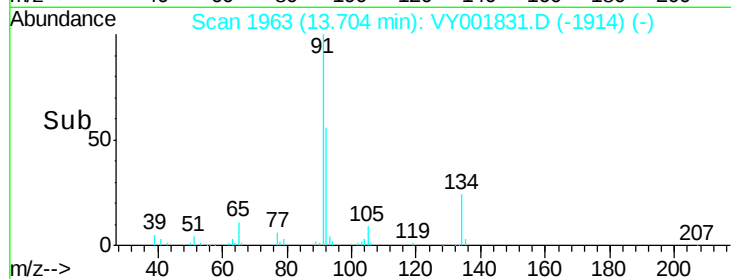
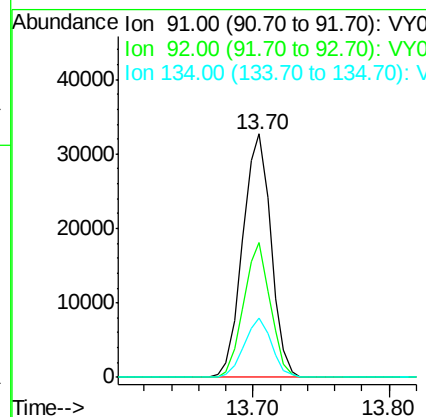
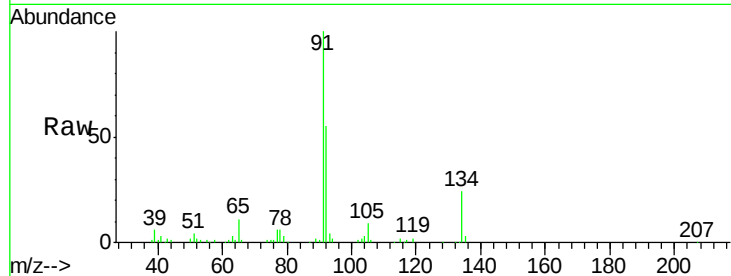
#89  
n-Butylbenzene  
Concen: 5.633 ug/l  
RT: 13.70 min Scan# 1963  
Delta R.T. -0.00 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.1  | 27.5  | 82.4  |
| 134     | 23.6  | 12.4  | 37.4  |

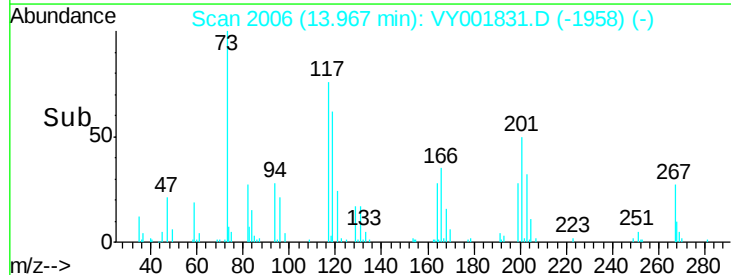
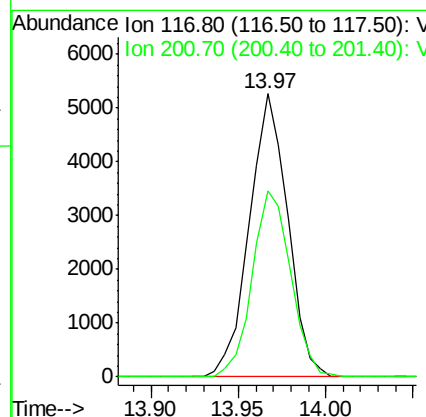
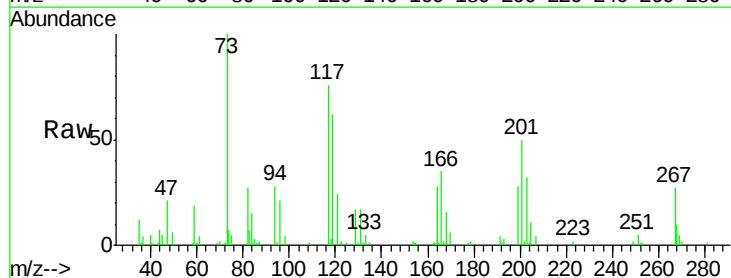
Manual Integrations  
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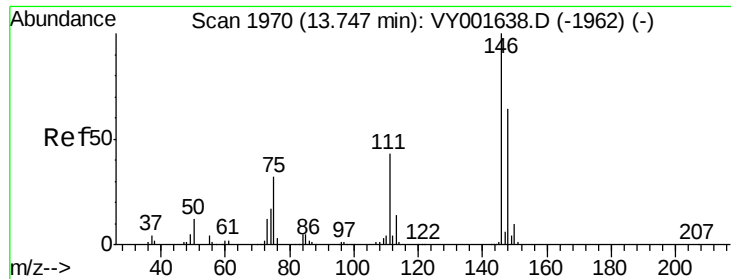
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#90  
Hexachloroethane  
Concen: 5.161 ug/l  
RT: 13.97 min Scan# 2006  
Delta R.T. -0.01 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 65.9  | 32.5  | 97.4  |





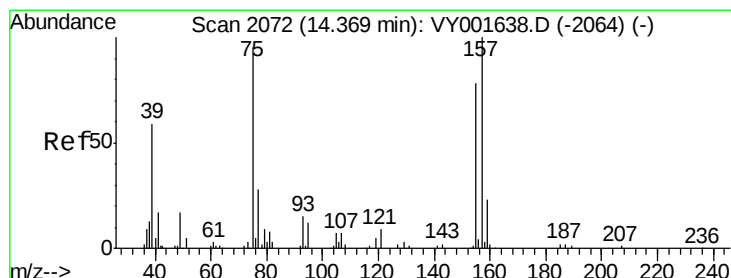
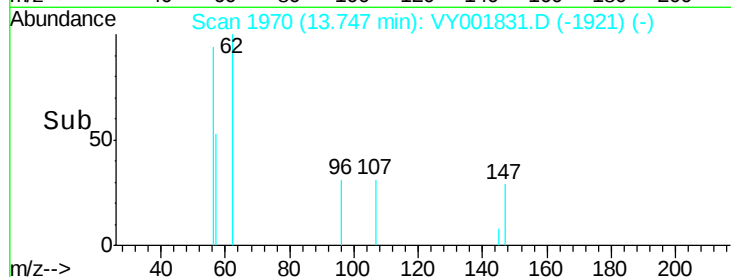
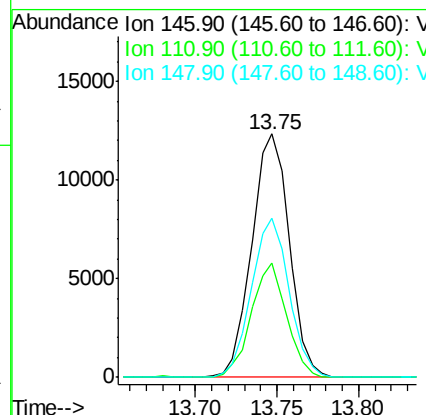
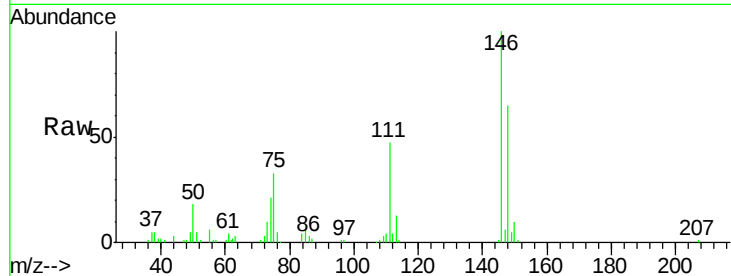
#91  
 1,2-Dichlorobenzene  
 Concen: 5.456 ug/l  
 RT: 13.75 min Scan# 1970  
 Delta R.T. -0.00 min  
 Lab File: VY001831.D  
 Acq: 03 Mar 2020 13:52

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 44.1  | 21.9  | 65.7  |
| 148     | 65.5  | 31.5  | 94.5  |

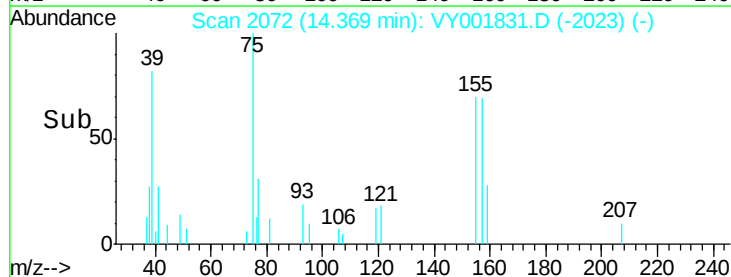
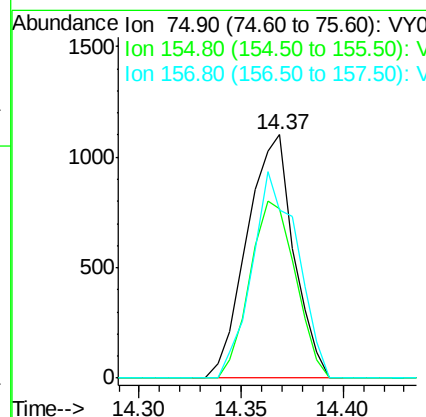
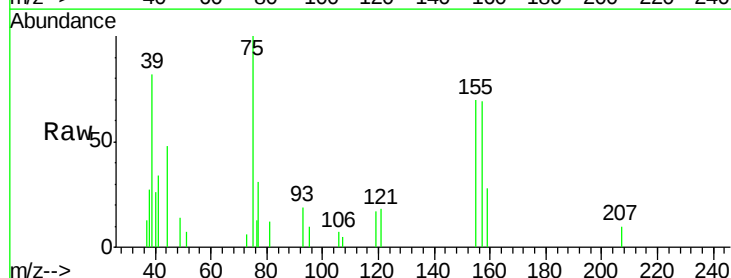
Manual Integrations  
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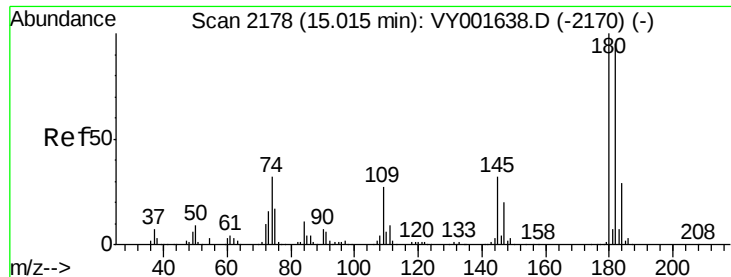
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 5.354 ug/l  
 RT: 14.37 min Scan# 2072  
 Delta R.T. -0.00 min  
 Lab File: VY001831.D  
 Acq: 03 Mar 2020 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 70.9  | 40.8  | 122.4 |
| 157     | 82.4  | 52.1  | 156.4 |





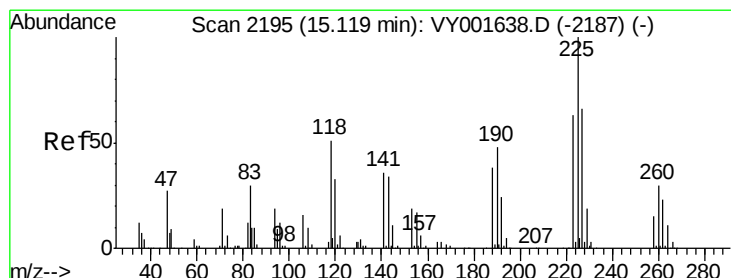
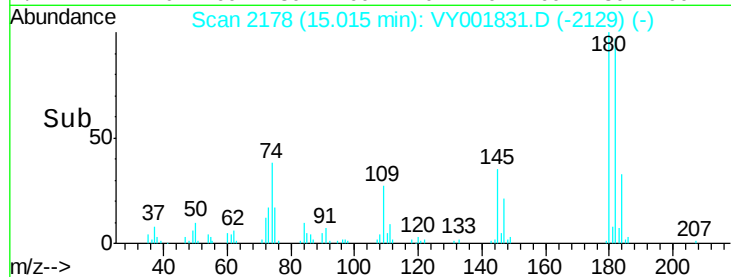
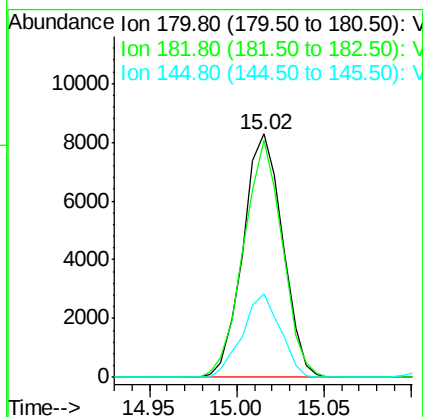
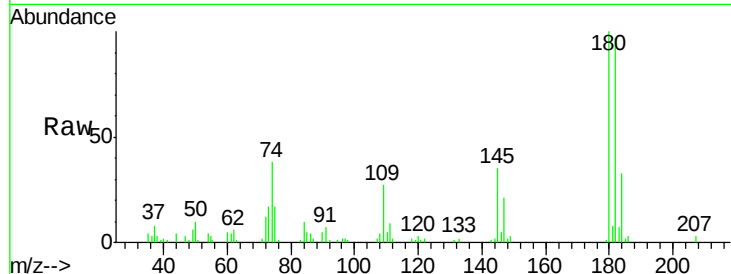
#93  
1,2,4-Trichlorobenzene  
Concen: 5.441 ug/l  
RT: 15.02 min Scan# 2178  
Delta R.T. -0.00 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.4  | 46.8  | 140.3 |
| 145     | 32.9  | 16.2  | 48.5  |

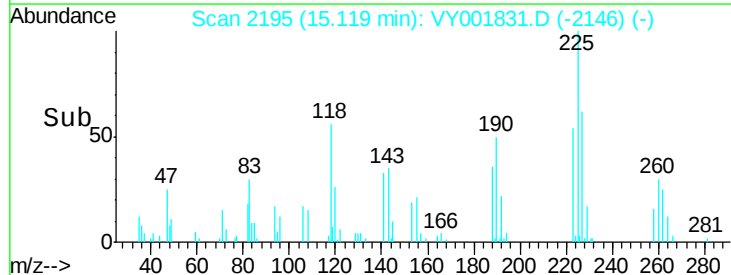
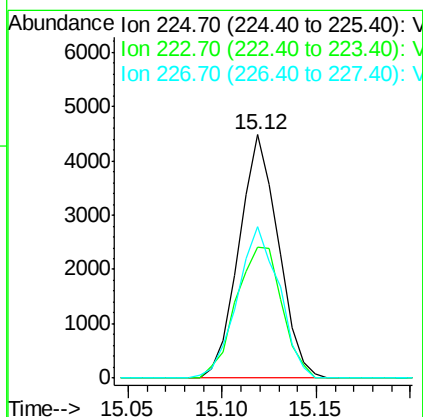
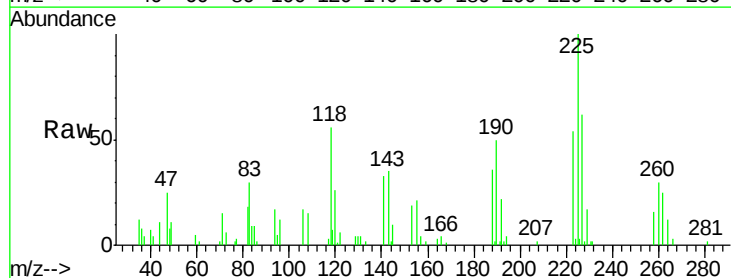
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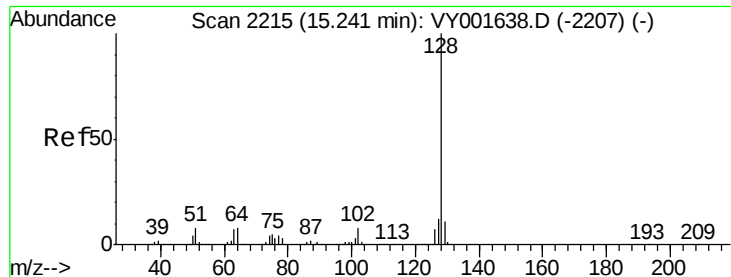
MMDadoda  
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#94  
Hexachlorobutadiene  
Concen: 5.451 ug/l  
RT: 15.12 min Scan# 2195  
Delta R.T. -0.00 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.8  | 31.4  | 94.0  |
| 227     | 65.8  | 31.6  | 94.8  |





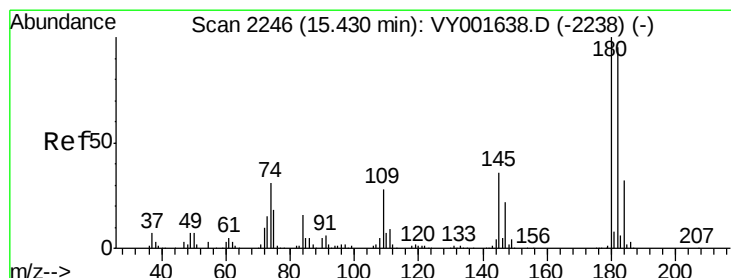
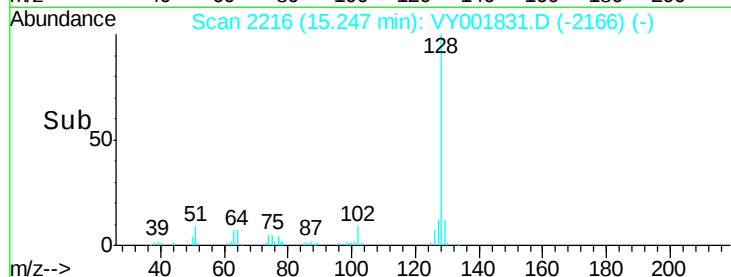
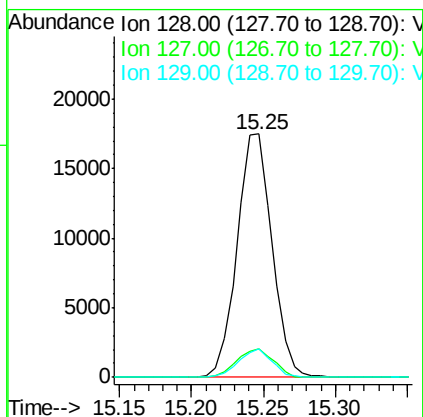
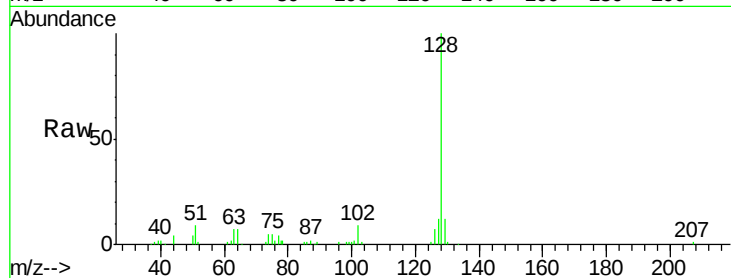
#95  
Naphthalene  
Concen: 5.323 ug/l  
RT: 15.25 min Scan# 2216  
Delta R.T. 0.01 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.5  | 9.9   | 14.9  |
| 129     | 11.1  | 8.6   | 13.0  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 5.558 ug/l  
RT: 15.43 min Scan# 2246  
Delta R.T. -0.00 min  
Lab File: VY001831.D  
Acq: 03 Mar 2020 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 91.9  | 47.2  | 141.6 |
| 145     | 31.6  | 17.3  | 52.0  |

