

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070720\  
 Data File : VY003122.D  
 Acq On : 07 Jul 2020 13:28  
 Operator : SY/MD  
 Sample : L3126-01 4PPBLOD  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2020

Quant Time: Jul 08 04:41:34 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y062920S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 08 04:37:44 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 405204   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 598786   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 540224   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 296803   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.15   | 65  | 194956   | 48.44 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.88%  |      |
| 35) Dibromofluoromethane  | 7.72   | 113 | 188348   | 50.42 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.84% |      |
| 50) Toluene-d8            | 10.18  | 98  | 701036   | 50.38 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.76% |      |
| 62) 4-Bromofluorobenzene  | 12.48  | 95  | 252101   | 51.47 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.94% |      |

## Target Compounds

|                               |      |     |        |        |        | Qvalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.91 | 85  | 14698  | 4.790  | ug/l   | 94     |
| 3) Chloromethane              | 2.11 | 50  | 22401  | 4.985  | ug/l   | 95     |
| 4) Vinyl Chloride             | 2.26 | 62  | 20093  | 4.584  | ug/l   | 95     |
| 5) Bromomethane               | 2.66 | 94  | 16148  | 5.426  | ug/l   | 99     |
| 6) Chloroethane               | 2.80 | 64  | 13825  | 4.958  | ug/l   | 96     |
| 7) Trichlorofluoromethane     | 3.13 | 101 | 29276  | 4.732  | ug/l   | 96     |
| 8) Diethyl Ether              | 3.54 | 74  | 9678   | 4.563  | ug/l   | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.91 | 101 | 18832  | 5.098  | ug/l   | 99     |
| 10) Methyl Iodide             | 4.10 | 142 | 21134  | 4.614  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 4.97 | 59  | 10506  | 25.615 | ug/l # | 91     |
| 12) 1,1-Dichloroethene        | 3.89 | 96  | 16751  | 4.766  | ug/l # | 72     |
| 13) Acrolein                  | 3.74 | 56  | 6451   | 17.512 | ug/l   | 98     |
| 14) Allyl chloride            | 4.49 | 41  | 24419  | 3.979  | ug/l   | 94     |
| 15) Acrylonitrile             | 5.18 | 53  | 23495  | 21.494 | ug/l   | 98     |
| 16) Acetone                   | 3.96 | 43  | 20123  | 21.201 | ug/l   | 100    |
| 17) Carbon Disulfide          | 4.20 | 76  | 49320  | 4.392  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.48 | 43  | 14404  | 5.633  | ug/l   | 96     |
| 19) Methyl tert-butyl Ether   | 5.23 | 73  | 46941  | 4.582  | ug/l   | 98     |
| 20) Methylene Chloride        | 4.73 | 84  | 33569  | 6.337  | ug/l   | 89     |
| 21) trans-1,2-Dichloroethene  | 5.22 | 96  | 19344  | 4.865  | ug/l   | 92     |
| 22) Diisopropyl ether         | 6.13 | 45  | 51892  | 3.945  | ug/l # | 95     |
| 23) Vinyl Acetate             | 6.07 | 43  | 157562 | 17.918 | ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 6.02 | 63  | 32727  | 4.555  | ug/l   | 96     |
| 25) 2-Butanone                | 6.99 | 43  | 30953  | 20.529 | ug/l   | 94     |
| 26) 2,2-Dichloropropane       | 6.99 | 77  | 29042  | 4.449  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 7.00 | 96  | 21487  | 4.818  | ug/l   | 90     |
| 28) Bromochloromethane        | 7.35 | 49  | 13512  | 4.227  | ug/l   | 84     |
| 29) Tetrahydrofuran           | 7.36 | 42  | 19589  | 19.537 | ug/l   | 93     |
| 30) Chloroform                | 7.51 | 83  | 32983  | 4.634  | ug/l   | 97     |
| 31) Cyclohexane               | 7.79 | 56  | 35801  | 5.058  | ug/l # | 77     |
| 32) 1,1,1-Trichloroethane     | 7.71 | 97  | 28443  | 4.378  | ug/l   | 93     |
| 36) 1,1-Dichloropropene       | 7.92 | 75  | 25596  | 4.438  | ug/l   | 97     |
| 37) Ethyl Acetate             | 7.08 | 43  | 13899  | 4.008  | ug/l # | 96     |
| 38) Carbon Tetrachloride      | 7.91 | 117 | 25643  | 4.273  | ug/l   | 97     |

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 Sample : L3126-01 4PPBLOD  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2020

Quant Time: Jul 08 04:41:34 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y062920S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 08 04:37:44 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 9.18  | 83   | 32617    | 4.561  | ug/l   | 96       |
| 40) Benzene                    | 8.16  | 78   | 72839    | 4.613  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.32  | 41   | 6835     | 3.690  | ug/l # | 47       |
| 42) 1,2-Dichloroethane         | 8.24  | 62   | 22726    | 4.549  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.28  | 43   | 25887    | 3.927  | ug/l   | 93       |
| 44) Trichloroethene            | 8.94  | 130  | 21244    | 4.629  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.22  | 63   | 17956    | 4.227  | ug/l   | 99       |
| 46) Dibromomethane             | 9.31  | 93   | 10651    | 4.489  | ug/l   | 96       |
| 47) Bromodichloromethane       | 9.50  | 83   | 25671    | 4.419  | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.30  | 41   | 11151    | 3.716  | ug/l   | 90       |
| 49) 1,4-Dioxane                | 9.30  | 88   | 2450     | 84.589 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone       | 10.07 | 43   | 66754    | 19.591 | ug/l   | 97       |
| 52) Toluene                    | 10.24 | 92   | 46996    | 4.728  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 10.47 | 75   | 25732    | 4.224  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.93  | 75   | 29939    | 4.298  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane      | 10.64 | 97   | 15258    | 4.628  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.51 | 69   | 18994    | 3.980  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.79 | 76   | 25214    | 4.356  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.78  | 63   | 52382    | 21.400 | ug/l   | 97       |
| 59) 2-Hexanone                 | 10.83 | 43   | 46284    | 19.433 | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.99 | 129  | 19174    | 4.544  | ug/l   | 96       |
| 61) 1,2-Dibromoethane          | 11.09 | 107  | 14408    | 4.433  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.72 | 164  | 23903    | 5.228  | ug/l   | 94       |
| 65) Chlorobenzene              | 11.52 | 112  | 50952    | 4.783  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.59 | 131  | 18389    | 4.422  | ug/l   | 95       |
| 67) Ethyl Benzene              | 11.59 | 91   | 86047    | 4.415  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.70 | 106  | 66042    | 9.106  | ug/l   | 98       |
| 69) o-Xylene                   | 12.03 | 106  | 30778    | 4.503  | ug/l   | 100      |
| 70) Styrene                    | 12.04 | 104  | 52247    | 4.475  | ug/l   | 97       |
| 71) Bromoform                  | 12.20 | 173  | 12694    | 4.578  | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.33 | 105  | 84386    | 4.344  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.14 | 43   | 22167    | 3.505  | ug/l # | 93       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.58 | 83   | 17077    | 4.356  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.63 | 75   | 23588    | 8.030  | ug/l # | 100      |
| 77) Bromobenzene               | 12.61 | 156  | 22868    | 4.592  | ug/l   | 94       |
| 78) n-propylbenzene            | 12.67 | 91   | 101743   | 4.355  | ug/l   | 97       |
| 79) 2-Chlorotoluene            | 12.75 | 91   | 57554    | 4.414  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.81 | 105  | 72664    | 4.458  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75   | 5960     | 3.948  | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 12.86 | 91   | 60679    | 4.470  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.07 | 119  | 63709    | 4.451  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.12 | 105  | 71594    | 4.359  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.25 | 105  | 88241    | 4.473  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.37 | 119  | 79887    | 4.370  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.36 | 146  | 42649    | 4.587  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.44 | 146  | 43326    | 4.725  | ug/l   | 93       |
| 89) n-Butylbenzene             | 13.69 | 91   | 77141    | 4.411  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.96 | 117  | 14596    | 4.021  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.74 | 146  | 38280    | 4.589  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.36 | 75   | 3147     | 4.535  | ug/l   | 94       |

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Operator : SY/MD  
Sample : L3126-01 4PPBLOD  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 7 Sample Multiplier: 1

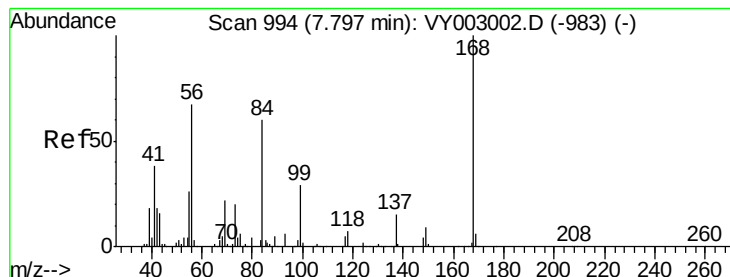
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

Quant Time: Jul 08 04:41:34 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y062920S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jul 08 04:37:44 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.00 | 180  | 30606    | 4.937 | ug/l  | 96       |
| 94) Hexachlorobutadiene    | 15.11 | 225  | 19410    | 4.964 | ug/l  | 96       |
| 95) Naphthalene            | 15.23 | 128  | 51608    | 4.558 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 15.42 | 180  | 24947    | 4.635 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

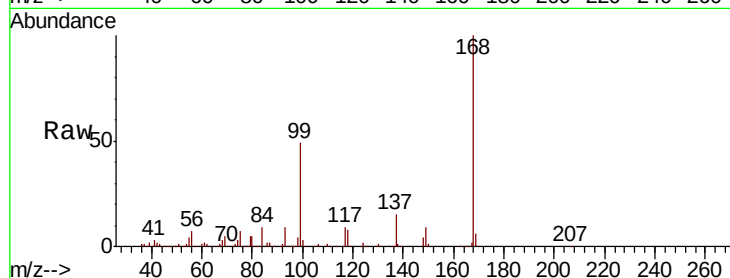
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:168 Resp: 405204

Ion Ratio Lower Upper

168 100

99 49.0 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003122.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003122.D (-945) (-)

7.80

200000

150000

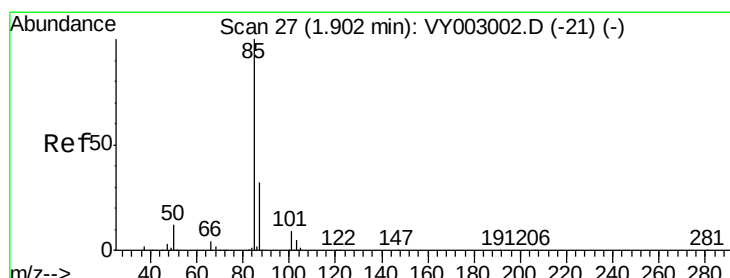
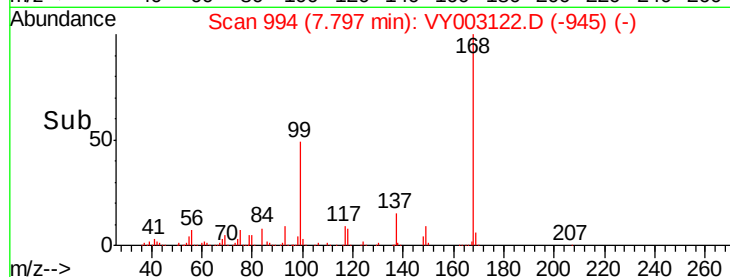
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 4.790 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY003122.D

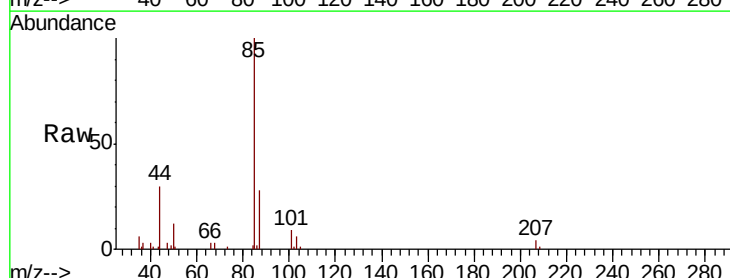
Acq: 07 Jul 2020 13:28

Tgt Ion: 85 Resp: 14698

Ion Ratio Lower Upper

85 100

87 28.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY003122.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY003122.D (-1) (-)

1.91

12000

10000

8000

6000

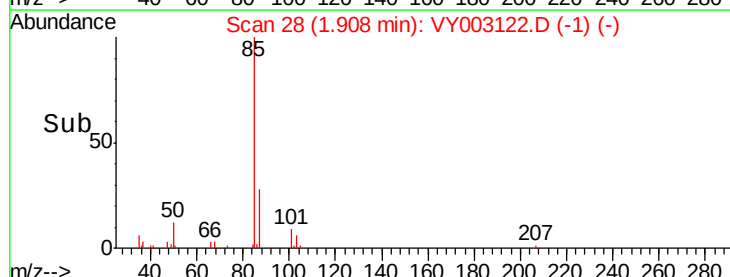
4000

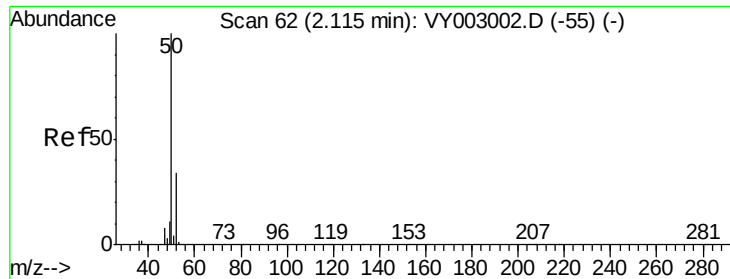
2000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 4.985 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

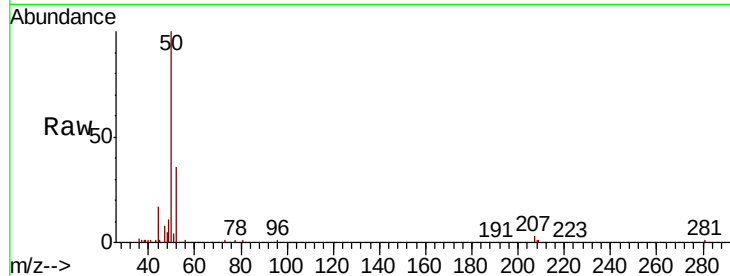
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 50 Resp: 22401

Ion Ratio Lower Upper

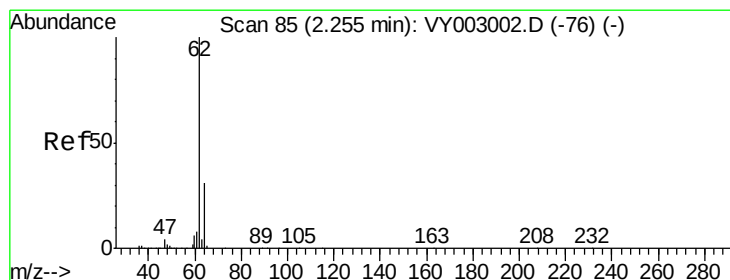
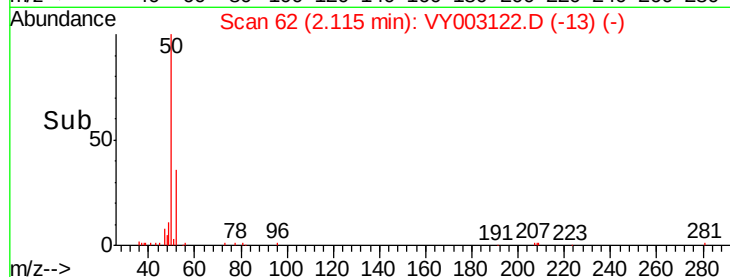
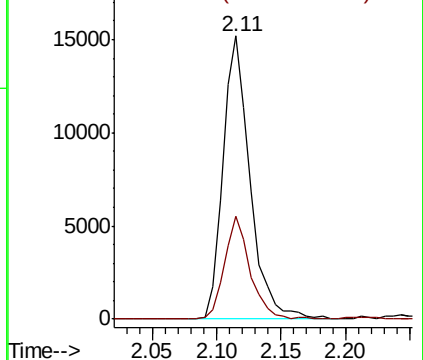
50 100

52 36.5 26.9 40.3



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 4.584 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY003122.D

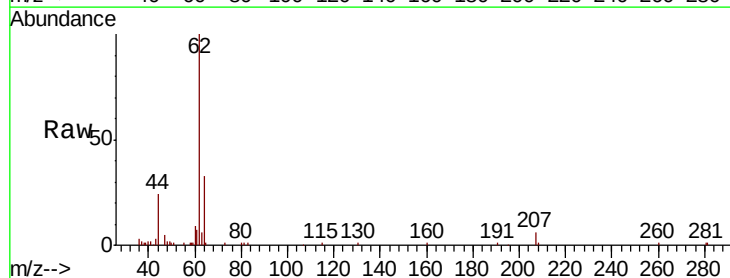
Acq: 07 Jul 2020 13:28

Tgt Ion: 62 Resp: 20093

Ion Ratio Lower Upper

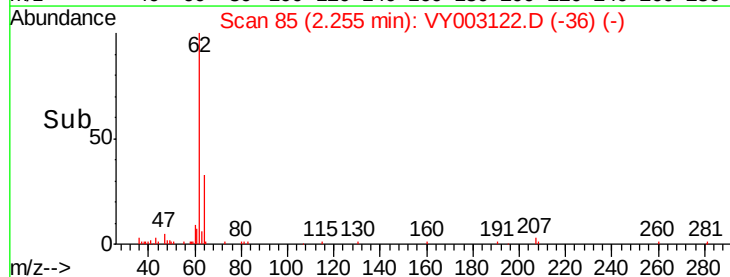
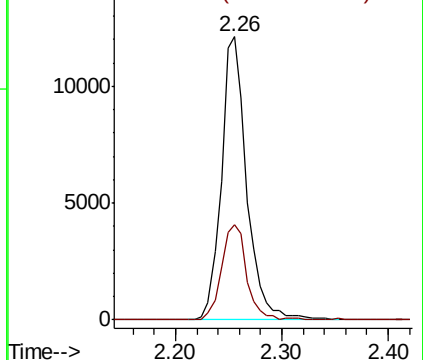
62 100

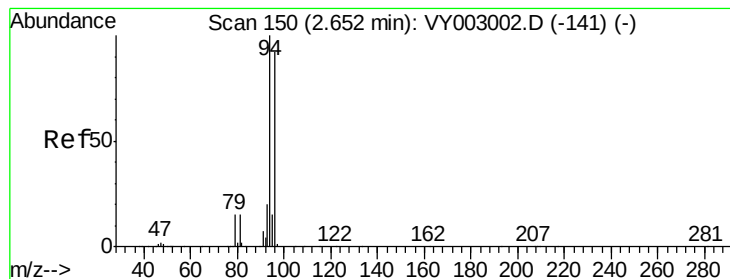
64 33.4 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 5.426 ug/l

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

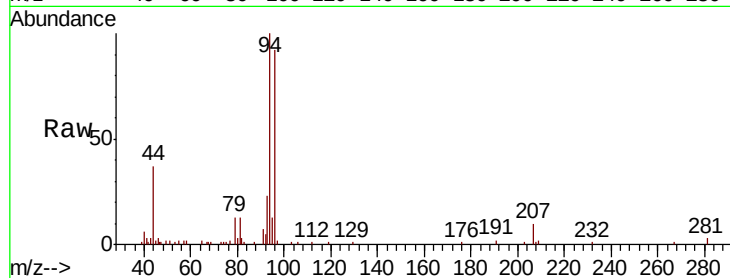
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 94 Resp: 16148

Ion Ratio Lower Upper

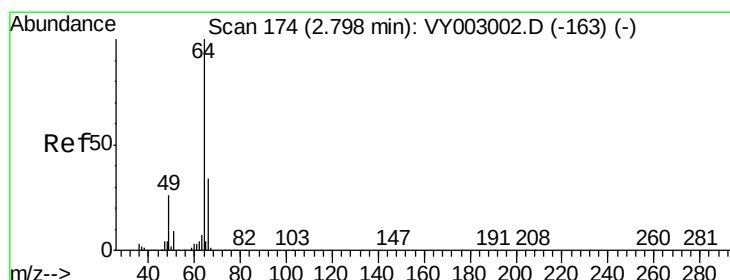
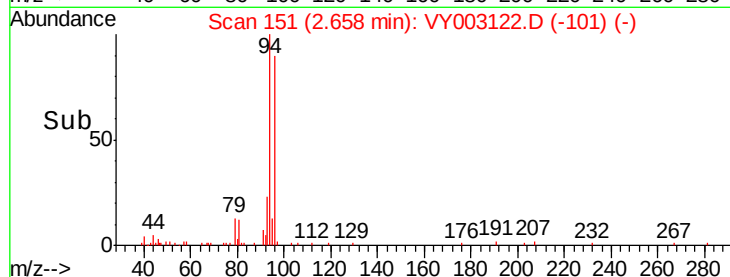
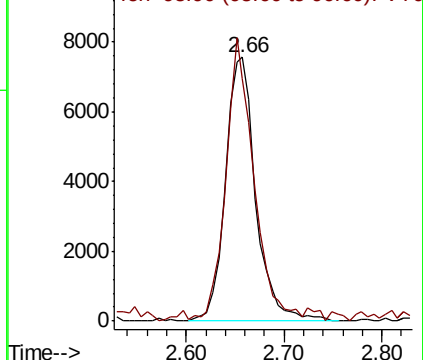
94 100

96 90.7 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 4.958 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY003122.D

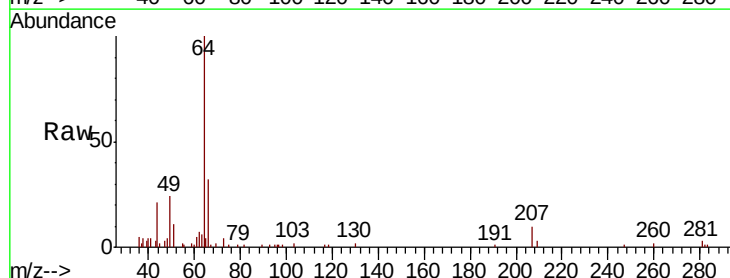
Acq: 07 Jul 2020 13:28

Tgt Ion: 64 Resp: 13825

Ion Ratio Lower Upper

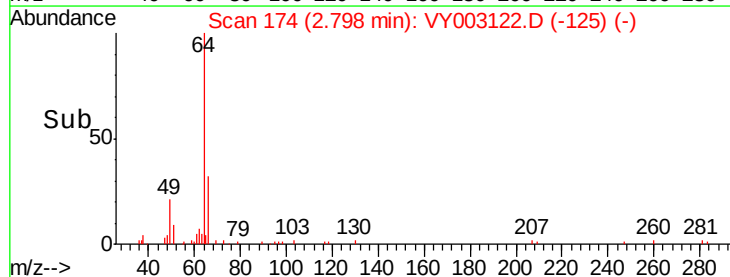
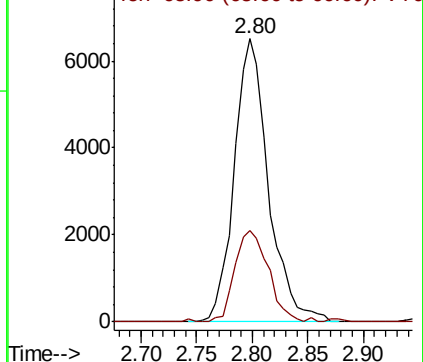
64 100

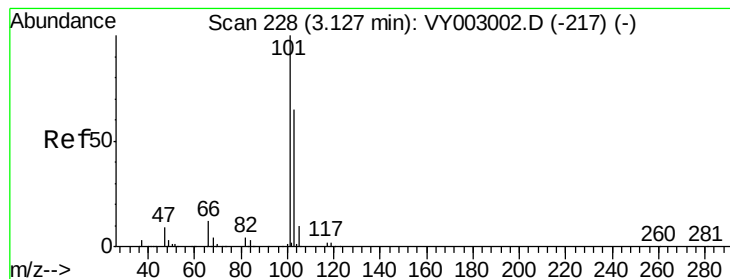
66 31.1 27.0 40.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



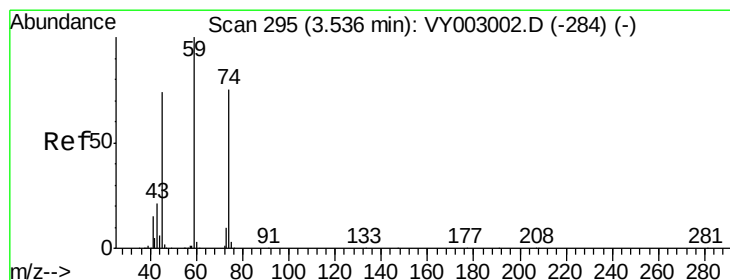
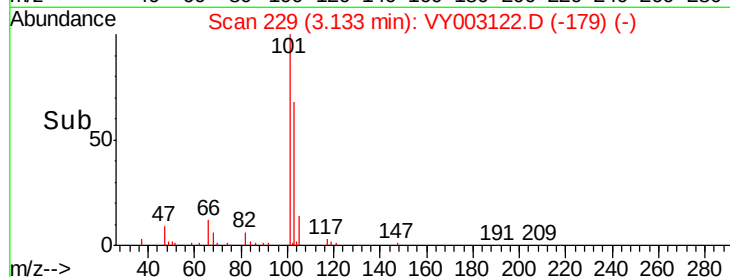
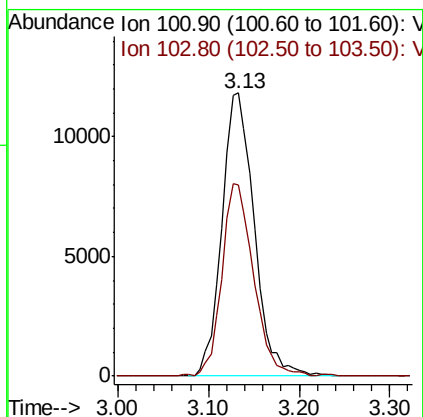
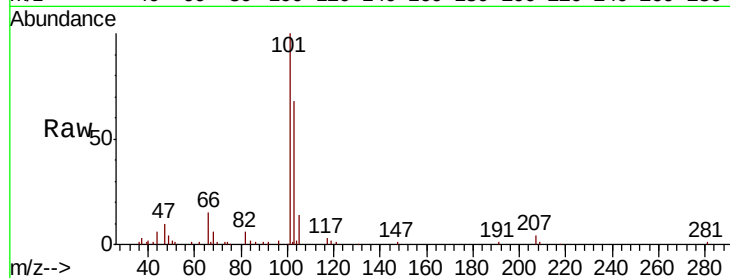


#7

Trichlorofluoromethane  
 Concen: 4.732 ug/l  
 RT: 3.13 min Scan# 229  
 Delta R.T. 0.01 min  
 Lab File: VY003122.D  
 Acq: 07 Jul 2020 13:28

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2020

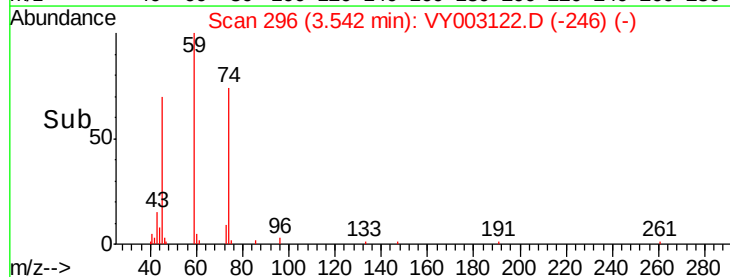
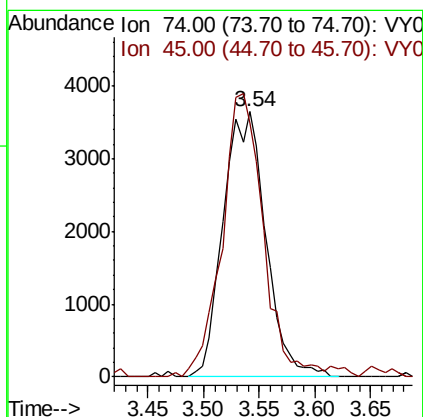
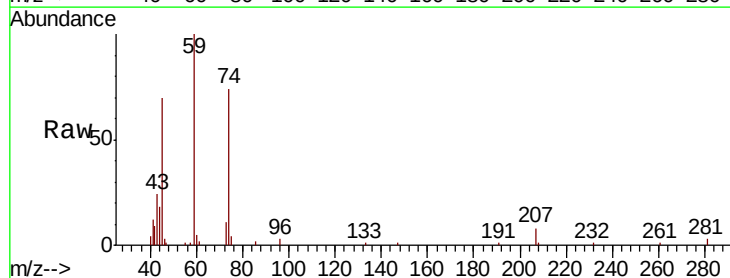
Tot Ion:101 Resp: 29276  
 Ion Ratio Lower Upper  
 101 100  
 103 67.7 51.6 77.4



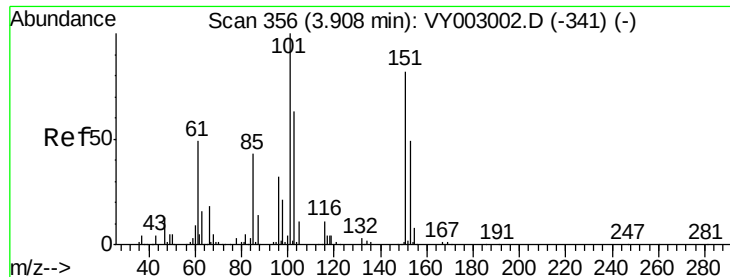
#8

Diethyl Ether  
 Concen: 4.563 ug/l  
 RT: 3.54 min Scan# 296  
 Delta R.T. 0.01 min  
 Lab File: VY003122.D  
 Acq: 07 Jul 2020 13:28

Tgt Ion: 74 Resp: 9678  
 Ion Ratio Lower Upper  
 74 100  
 45 103.0 49.3 147.9







#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.098 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

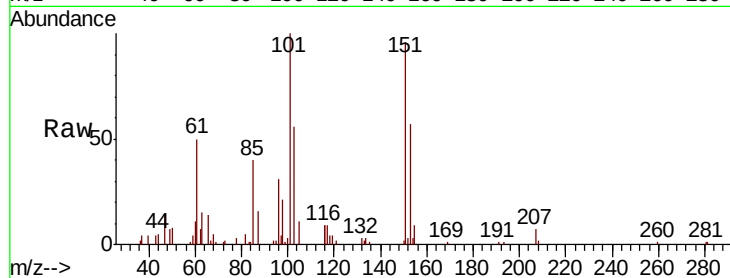
Tot Ion:101 Resp: 18832

Ion Ratio Lower Upper

101 100

85 43.7 35.5 53.3

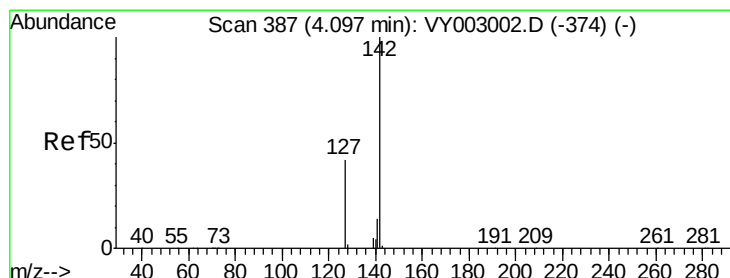
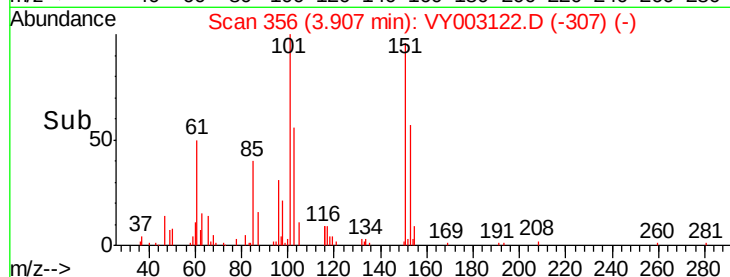
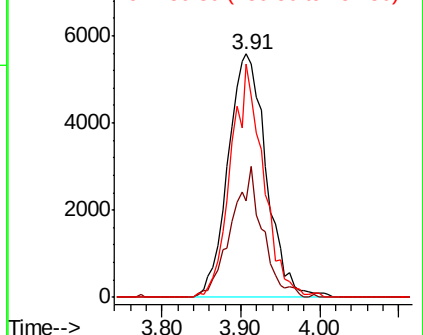
151 81.5 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.614 ug/l

RT: 4.10 min Scan# 387

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

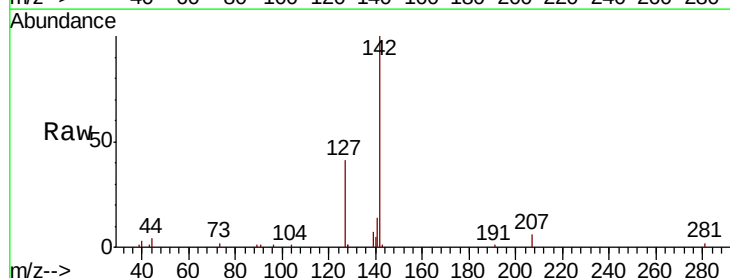
Tgt Ion:142 Resp: 21134

Ion Ratio Lower Upper

142 100

127 42.2 34.2 51.2

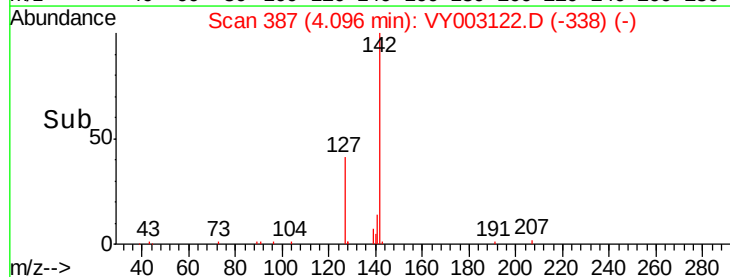
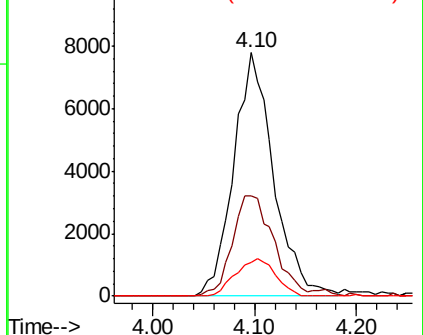
141 15.2 11.7 17.5

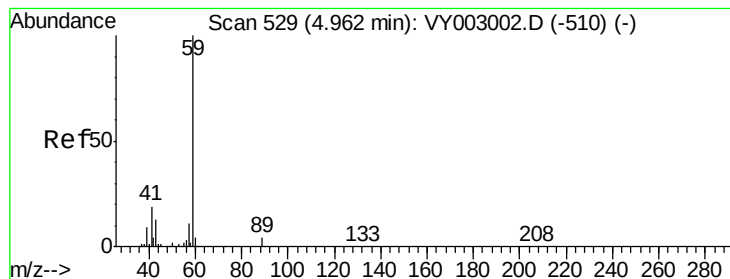


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 25.615 ug/l

RT: 4.97 min Scan# 530

Delta R.T. 0.01 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

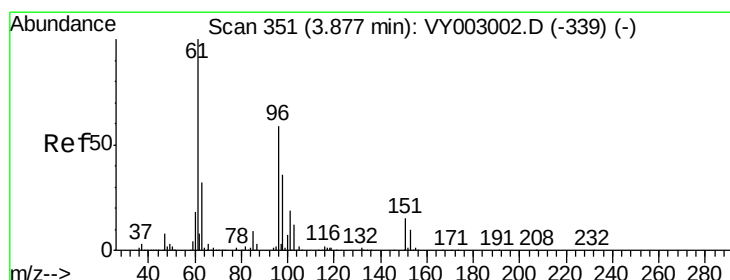
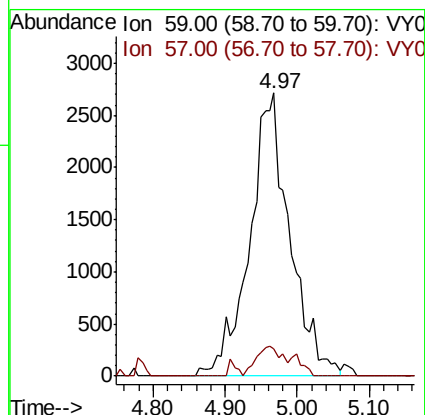
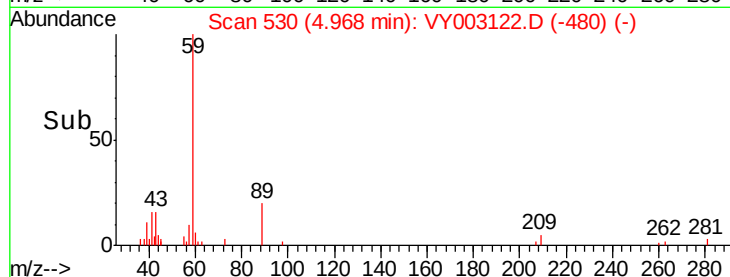
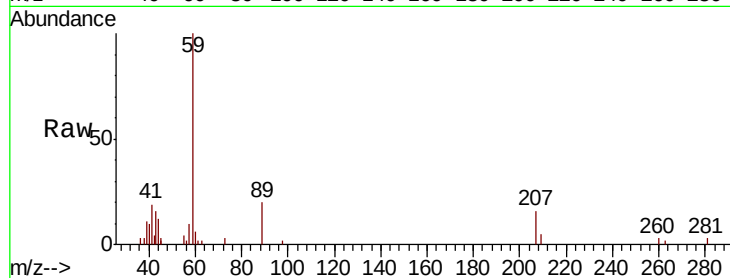
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 59 Resp: 10506

Ion Ratio Lower Upper

59 100

57 6.8 8.0 12.0#



#12

1,1-Dichloroethene

Concen: 4.766 ug/l

RT: 3.89 min Scan# 353

Delta R.T. 0.01 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

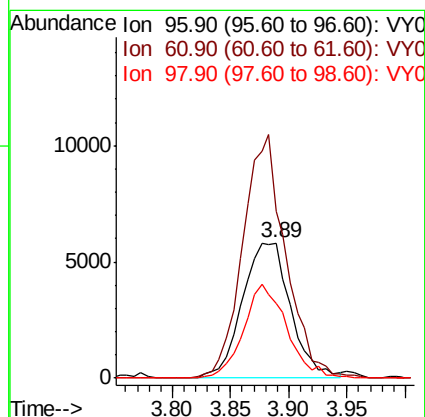
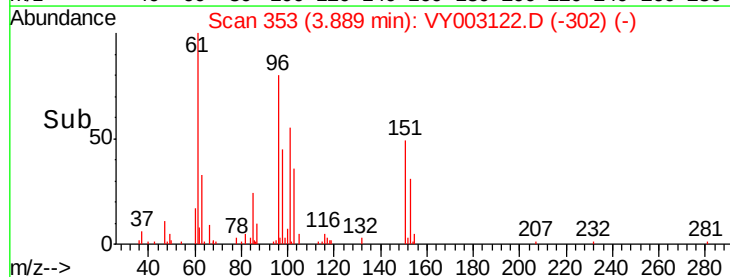
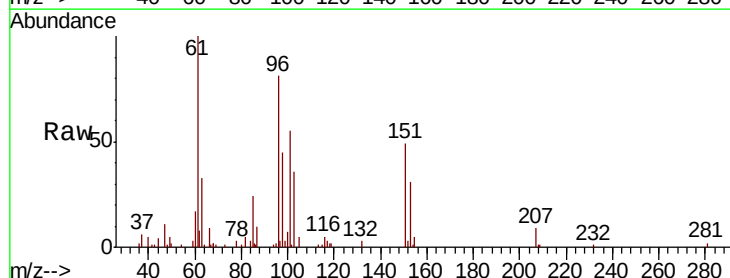
Tgt Ion: 96 Resp: 16751

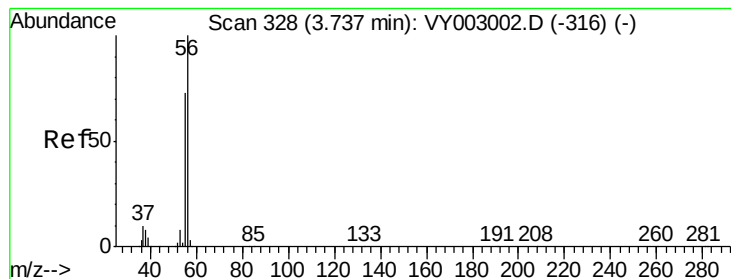
Ion Ratio Lower Upper

96 100

61 123.3 136.7 205.1#

98 54.9 49.7 74.5





#13

Acrolein

Concen: 17.512 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

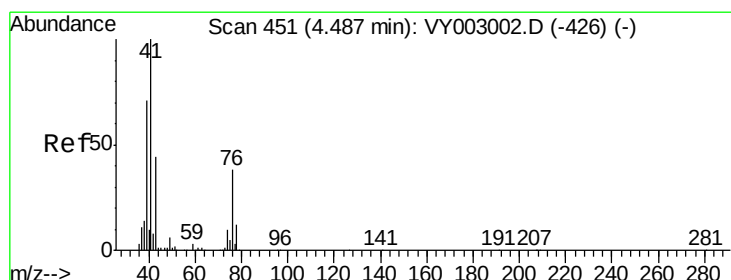
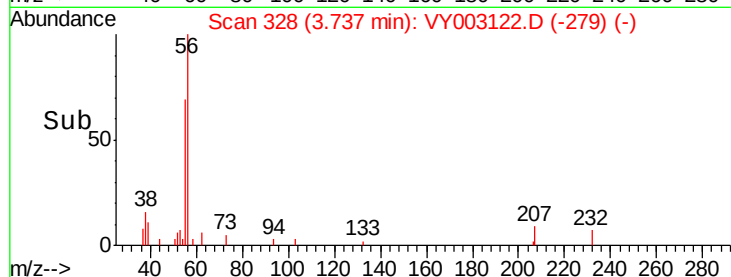
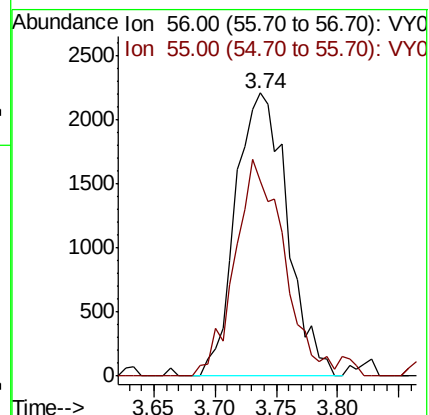
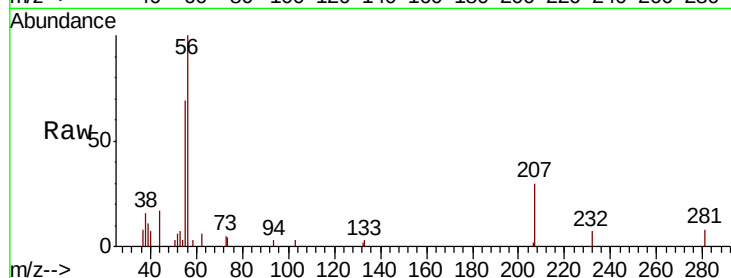
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 56 Resp: 6451

Ion Ratio Lower Upper

56 100

55 72.5 56.4 84.6



#14

Allyl chloride

Concen: 3.979 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

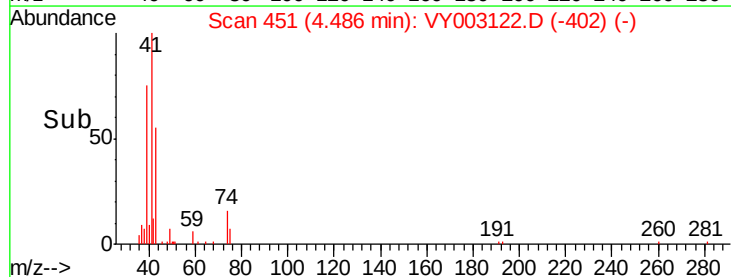
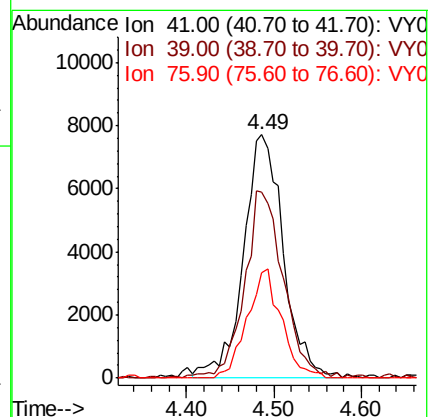
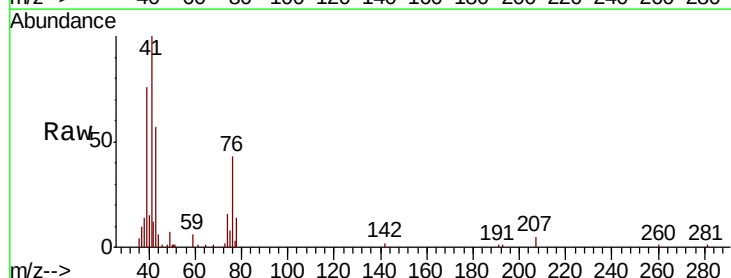
Tgt Ion: 41 Resp: 24419

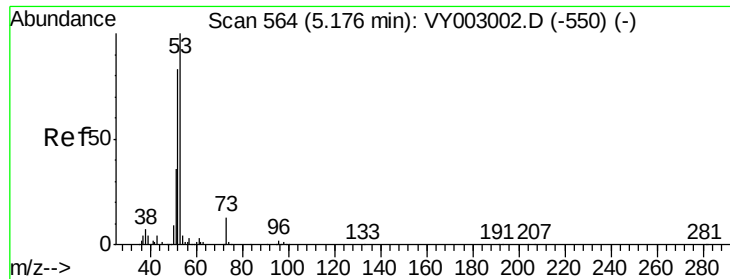
Ion Ratio Lower Upper

41 100

39 74.8 55.6 83.4

76 38.4 28.6 43.0





#15

Acrylonitrile

Concen: 21.494 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

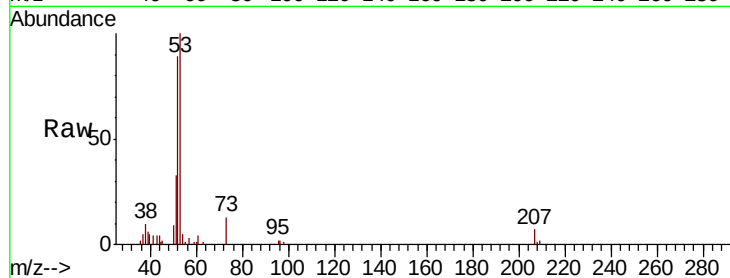
Tot Ion: 53 Resp: 23495

Ion Ratio Lower Upper

53 100

52 85.0 66.2 99.2

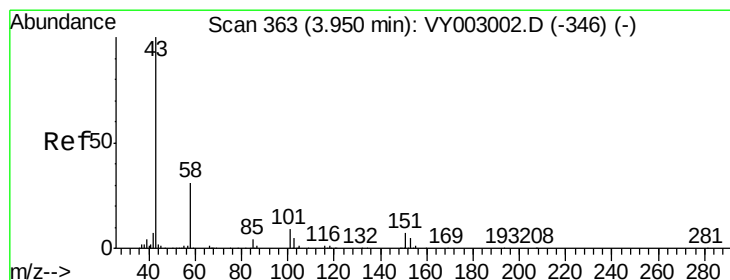
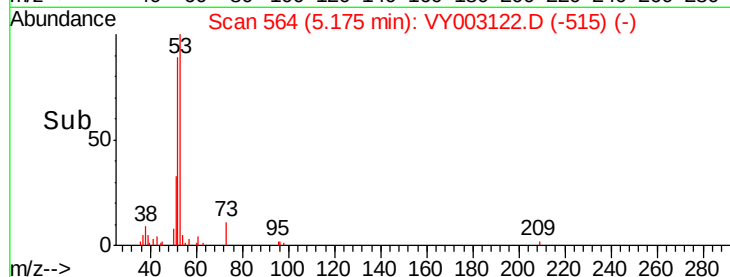
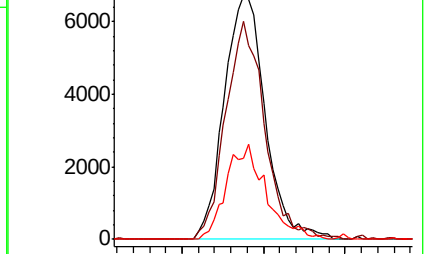
51 37.5 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VY003122.D (-515) (-)

Ion 52.00 (51.70 to 52.70): VY003122.D (-515) (-)

Ion 51.00 (50.70 to 51.70): VY003122.D (-515) (-)



#16

Acetone

Concen: 21.201 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003122.D

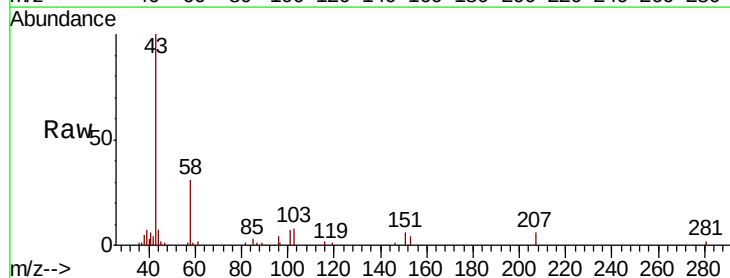
Acq: 07 Jul 2020 13:28

Tgt Ion: 43 Resp: 20123

Ion Ratio Lower Upper

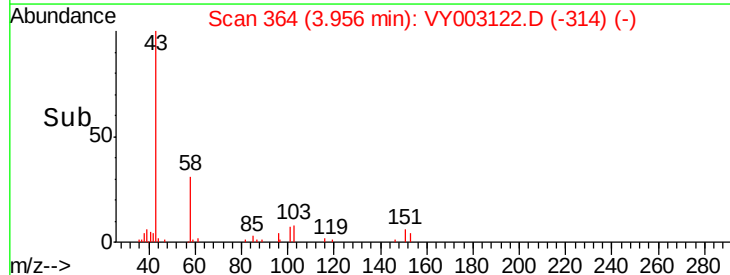
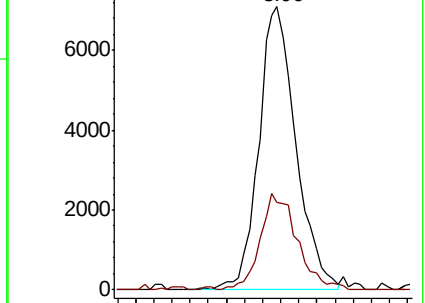
43 100

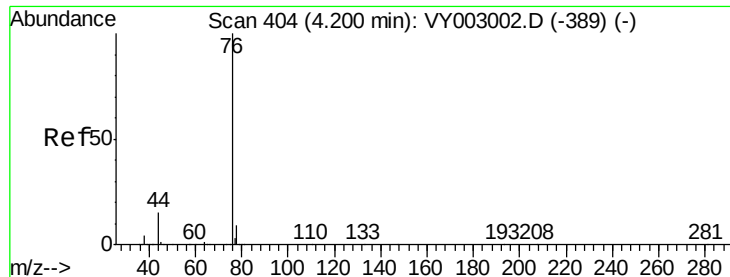
58 30.8 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY003122.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY003122.D (-314) (-)

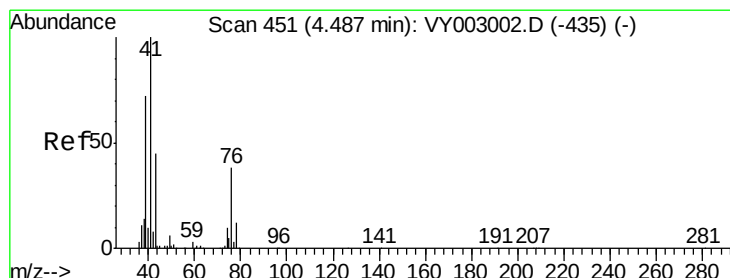
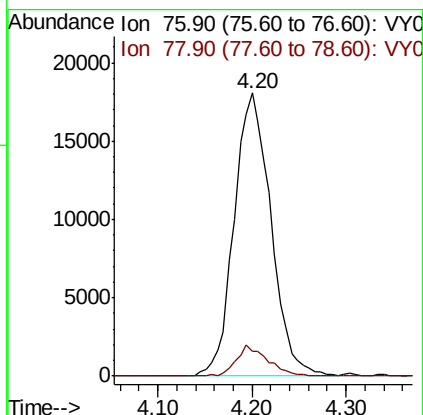
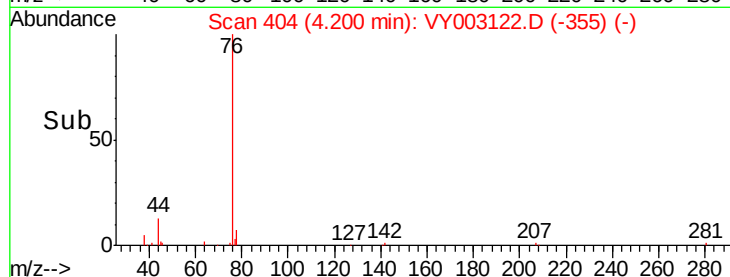
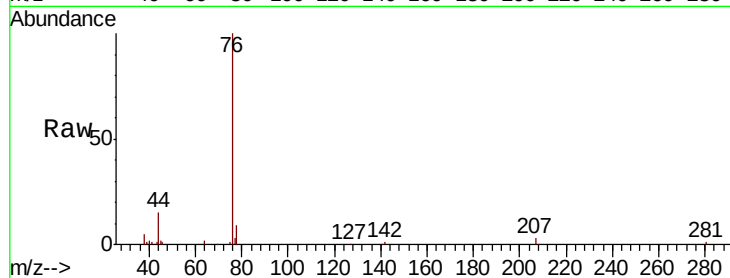




#17  
Carbon Disulfide  
Concen: 4.392 ug/l  
RT: 4.20 min Scan# 404  
Delta R.T. -0.00 min  
Lab File: VY003122.D  
Acq: 07 Jul 2020 13:28

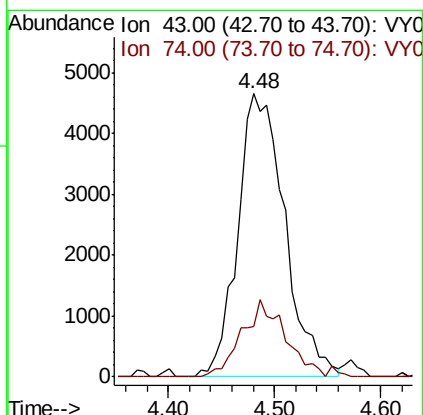
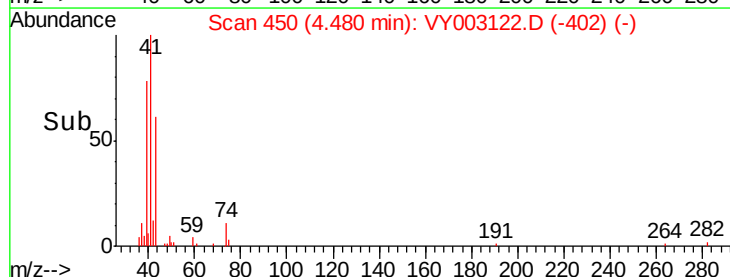
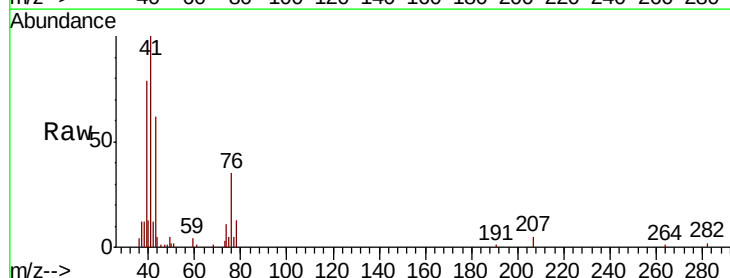
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

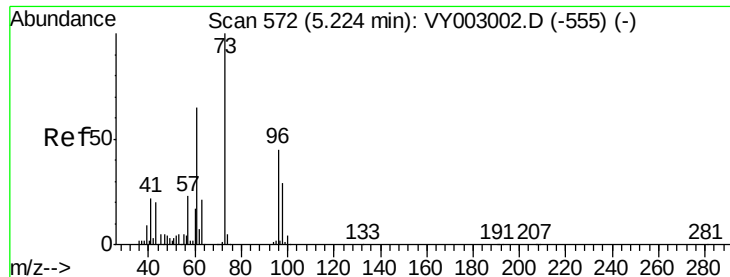
Tot Ion: 76 Resp: 49320  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.0 10.6



#18  
Methyl Acetate  
Concen: 5.633 ug/l  
RT: 4.48 min Scan# 450  
Delta R.T. -0.01 min  
Lab File: VY003122.D  
Acq: 07 Jul 2020 13:28

Tgt Ion: 43 Resp: 14404  
Ion Ratio Lower Upper  
43 100  
74 25.0 18.2 27.4

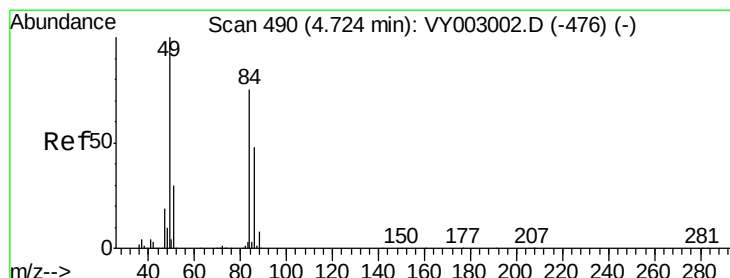
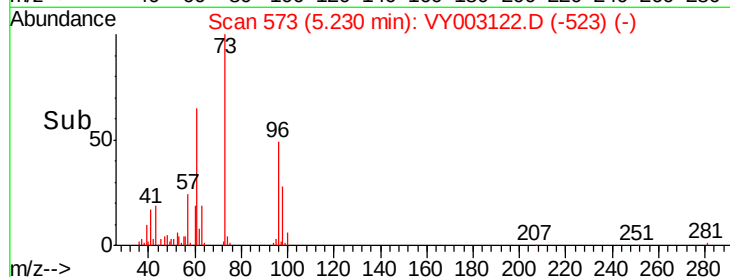
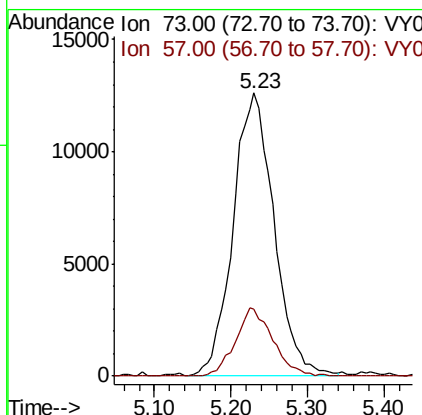
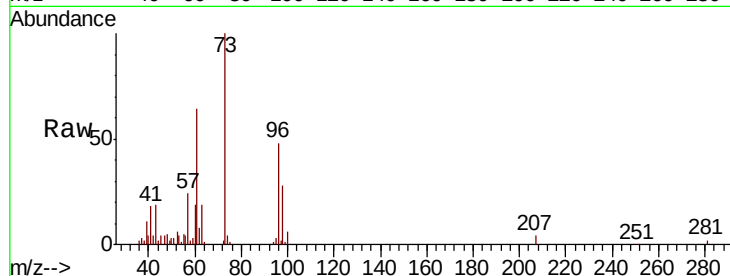




#19  
Methyl tert-butyl Ether  
Concen: 4.582 ug/l  
RT: 5.23 min Scan# 573  
Delta R.T. 0.01 min  
Lab File: VY003122.D  
Acq: 07 Jul 2020 13:28

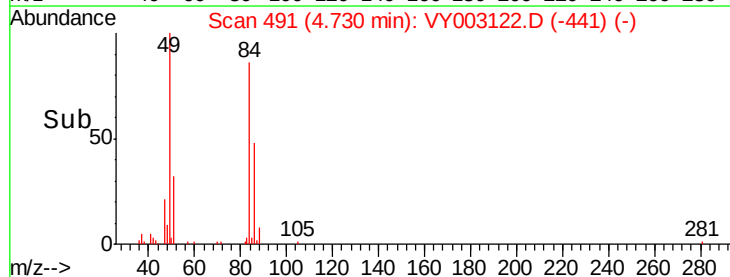
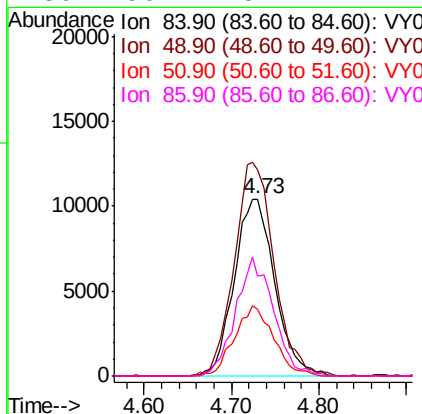
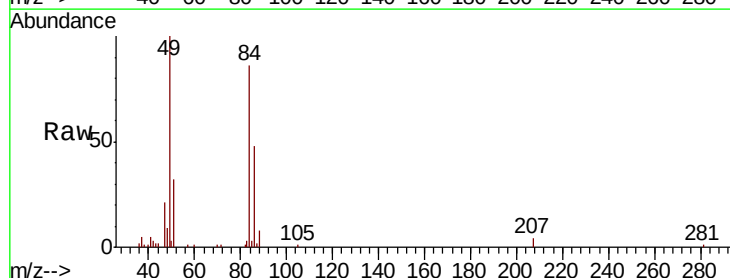
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

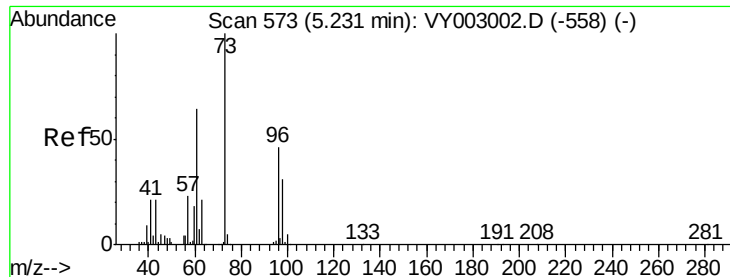
Tot Ion: 73 Resp: 46941  
Ion Ratio Lower Upper  
73 100  
57 23.8 18.2 27.2



#20  
Methylene Chloride  
Concen: 6.337 ug/l  
RT: 4.73 min Scan# 491  
Delta R.T. 0.01 min  
Lab File: VY003122.D  
Acq: 07 Jul 2020 13:28

Tgt Ion: 84 Resp: 33569  
Ion Ratio Lower Upper  
84 100  
49 116.9 106.8 160.2  
51 37.6 32.0 48.0  
86 56.4 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 4.865 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.01 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

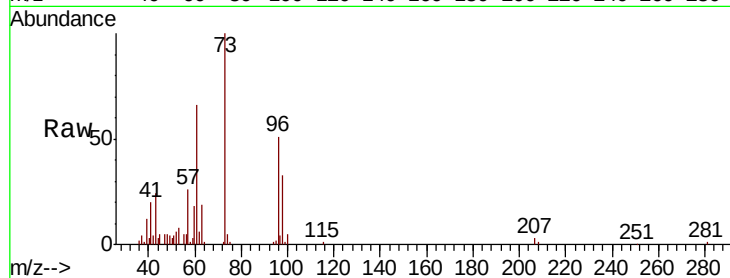
Tot Ion: 96 Resp: 19344

Ion Ratio Lower Upper

96 100

61 127.9 112.3 168.5

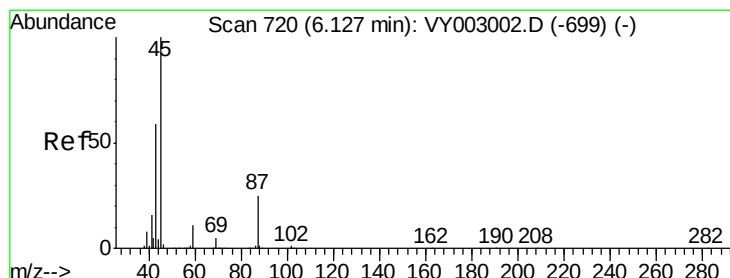
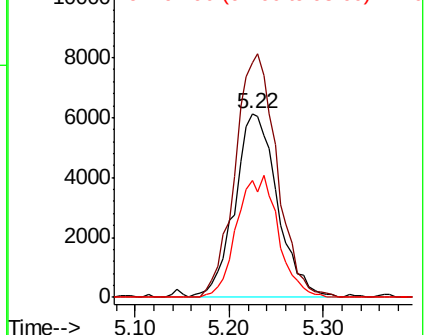
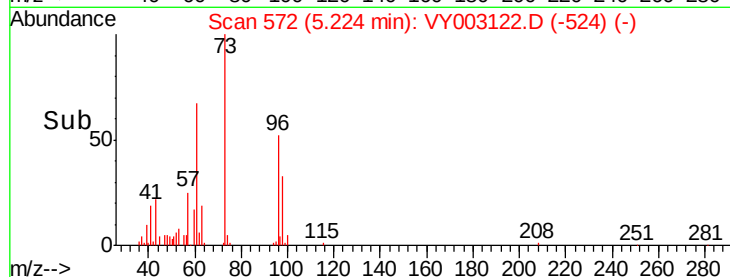
98 63.8 53.8 80.8



Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 3.945 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Tgt Ion: 45 Resp: 51892

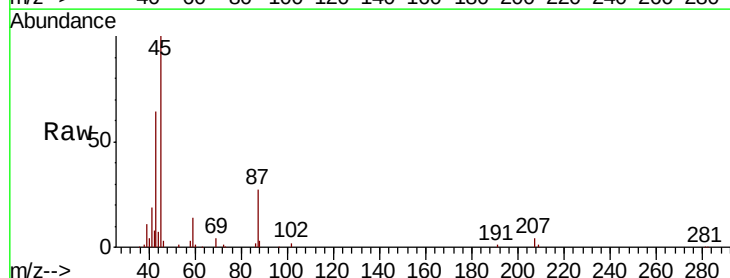
Ion Ratio Lower Upper

45 100

43 62.5 47.4 71.2

87 27.4 20.2 30.2

59 14.0 9.2 13.8#

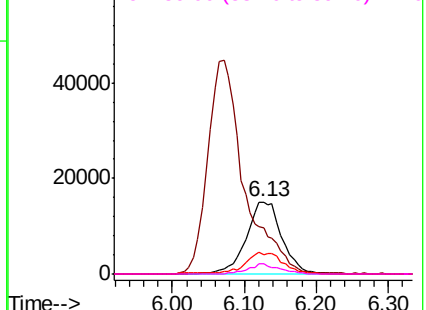
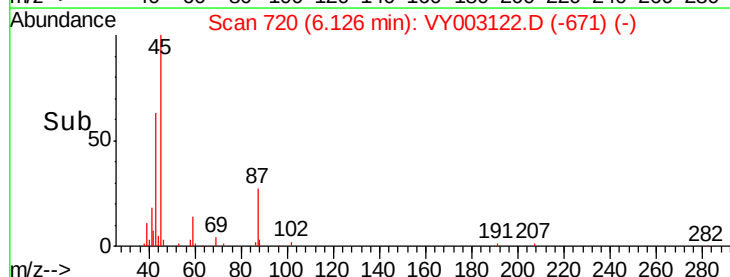


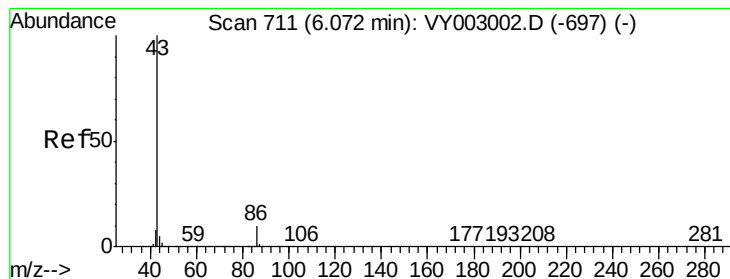
Abundance Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 17.918 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

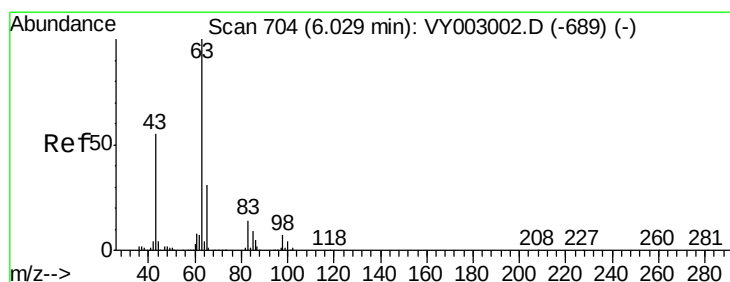
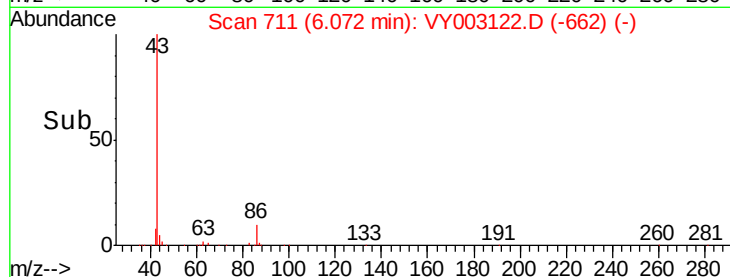
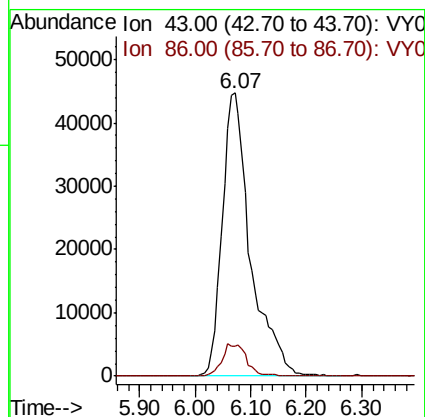
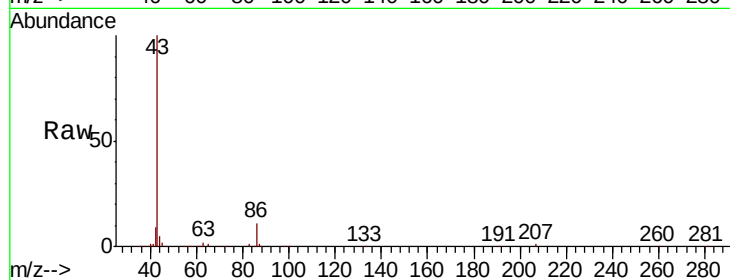
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 43 Resp: 157562

Ion Ratio Lower Upper

43 100

86 10.7 8.1 12.1



#24

1,1-Dichloroethane

Concen: 4.555 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

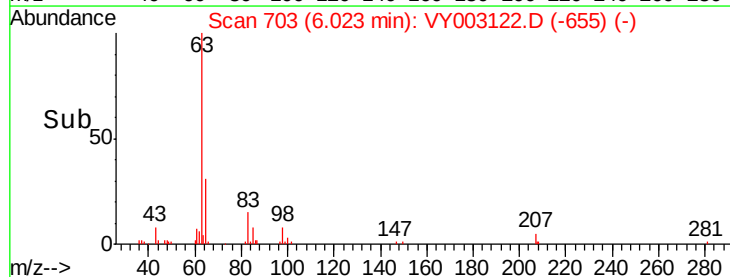
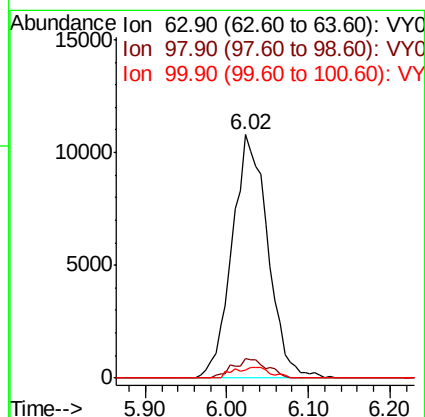
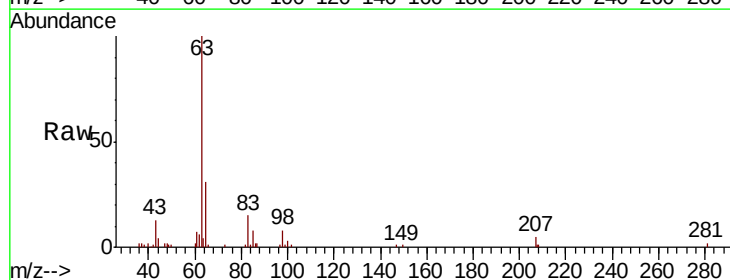
Tgt Ion: 63 Resp: 32727

Ion Ratio Lower Upper

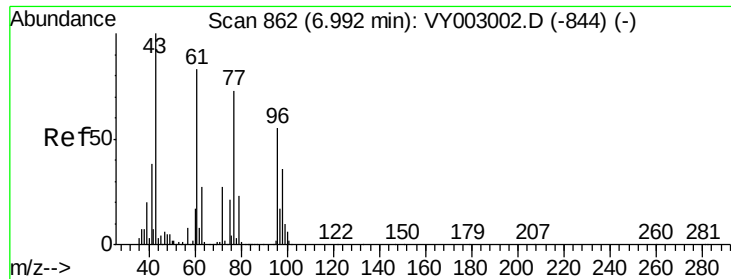
63 100

98 7.9 3.4 10.1

100 3.2 2.3 6.8



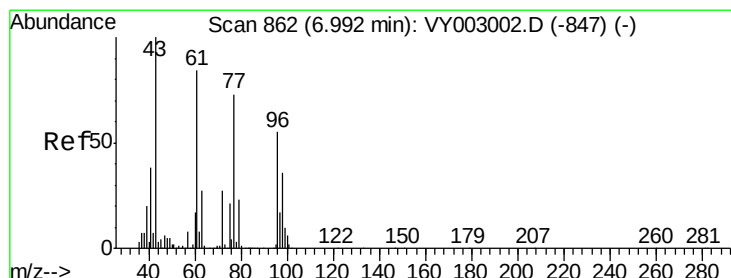
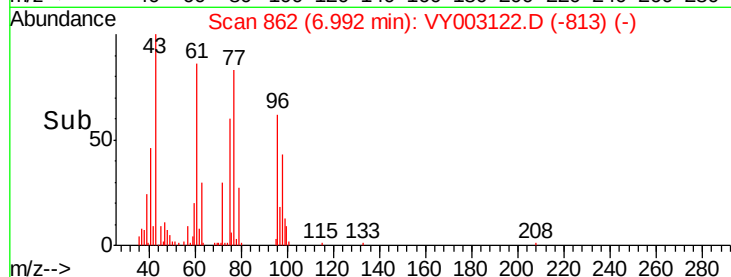
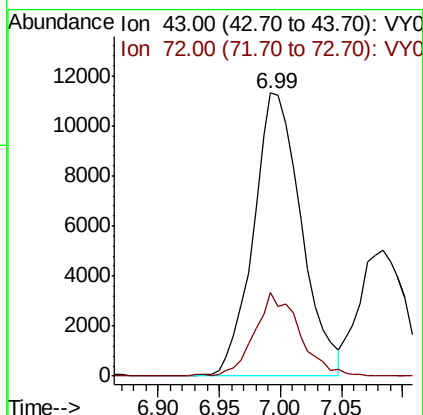
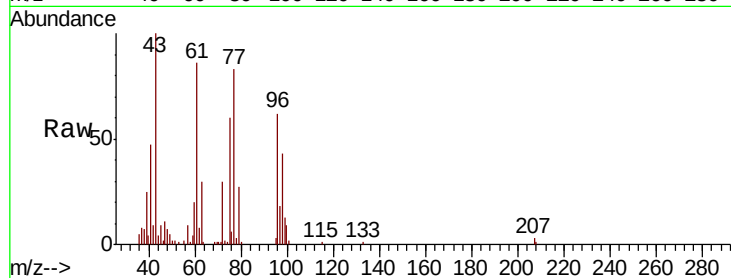




#25  
2-Butanone  
Concen: 20.529 ug/l  
RT: 6.99 min Scan# 862  
Delta R.T. -0.00 min  
Lab File: VY003122.D  
Acq: 07 Jul 2020 13:28

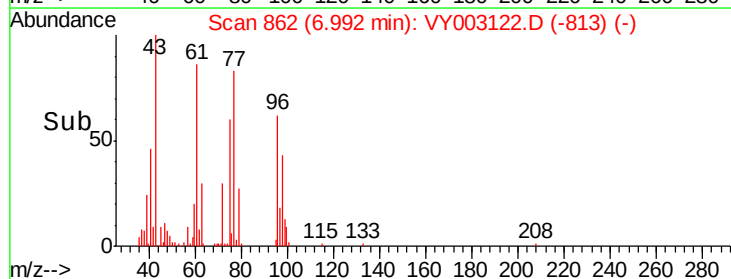
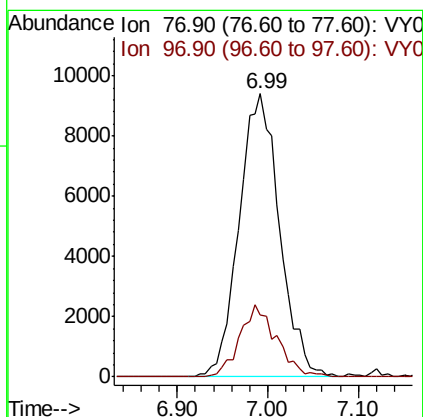
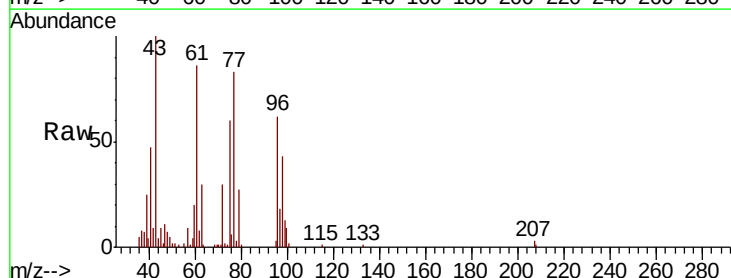
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

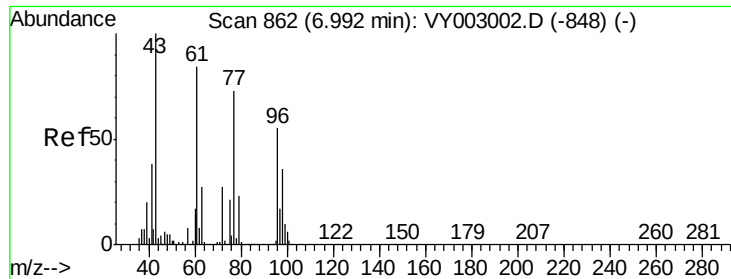
Tot Ion: 43 Resp: 30953  
Ion Ratio Lower Upper  
43 100  
72 29.8 21.4 32.0



#26  
2,2-Dichloropropane  
Concen: 4.449 ug/l  
RT: 6.99 min Scan# 862  
Delta R.T. -0.00 min  
Lab File: VY003122.D  
Acq: 07 Jul 2020 13:28

Tgt Ion: 77 Resp: 29042  
Ion Ratio Lower Upper  
77 100  
97 23.2 11.3 33.9

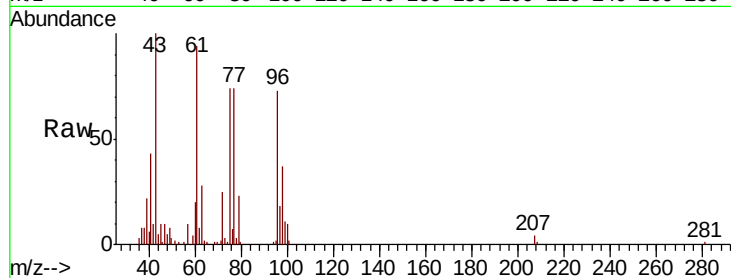




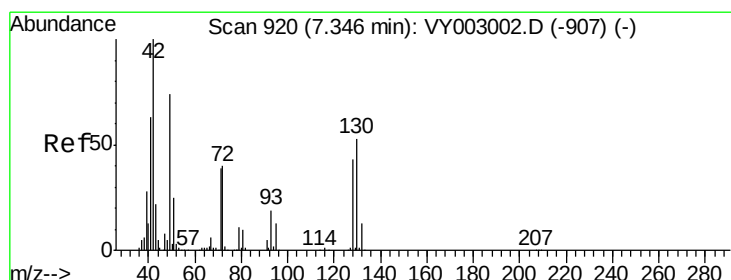
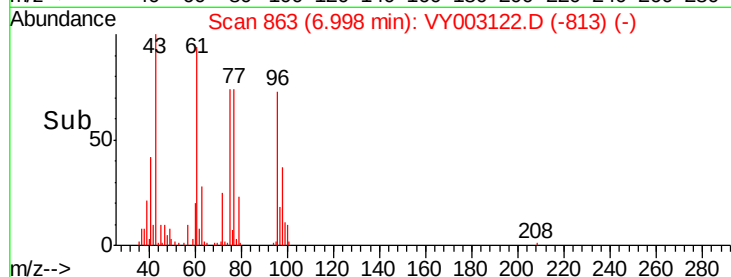
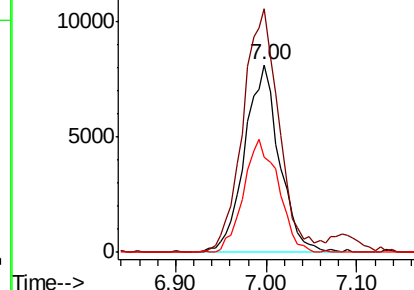
#27  
 cis-1,2-Dichloroethene  
 Concen: 4.818 ug/l  
 RT: 7.00 min Scan# 863  
 Delta R.T. 0.01 min  
 Lab File: VY003122.D  
 Acq: 07 Jul 2020 13:28

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 135.5 | 0.0   | 301.2 |
| 98      | 60.5  | 0.0   | 129.0 |

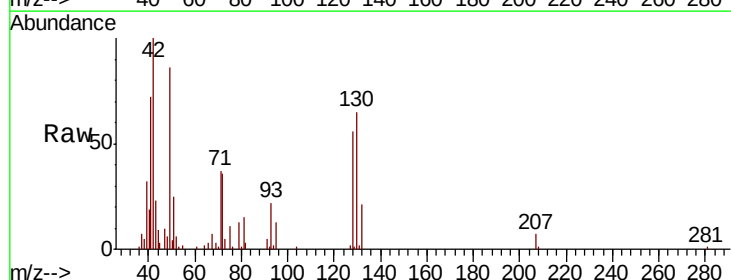


Abundance Ion 95.90 (95.60 to 96.60): VY0  
 Ion 60.90 (60.60 to 61.60): VY0  
 Ion 97.90 (97.60 to 98.60): VY0

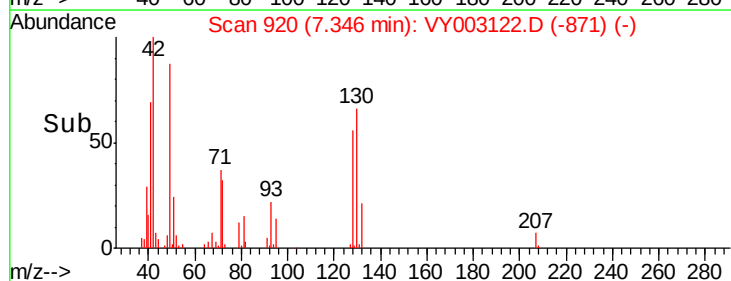
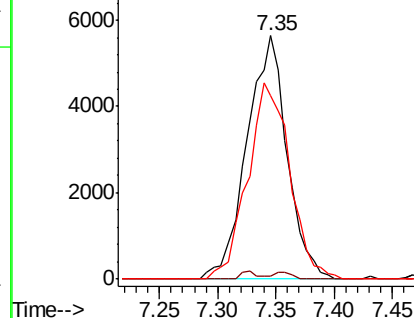


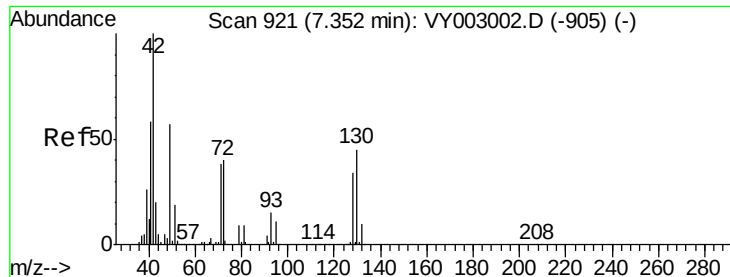
#28  
 Bromochloromethane  
 Concen: 4.227 ug/l  
 RT: 7.35 min Scan# 920  
 Delta R.T. -0.00 min  
 Lab File: VY003122.D  
 Acq: 07 Jul 2020 13:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.1   | 0.0   | 4.4   |
| 130     | 84.5  | 57.0  | 85.6  |



Abundance Ion 48.90 (48.60 to 49.60): VY0  
 Ion 128.80 (128.50 to 129.50): V  
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 19.537 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

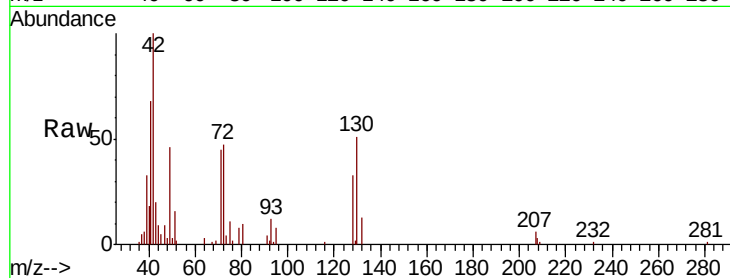
Tot Ion: 42 Resp: 19589

Ion Ratio Lower Upper

42 100

72 45.4 32.9 49.3

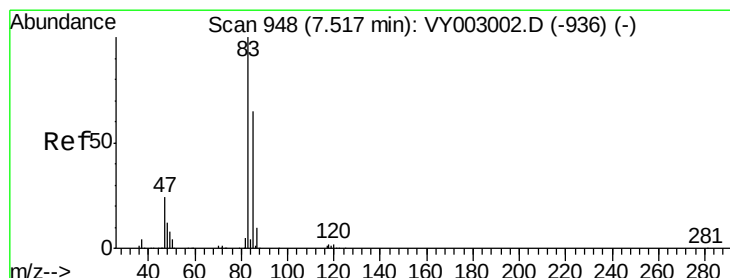
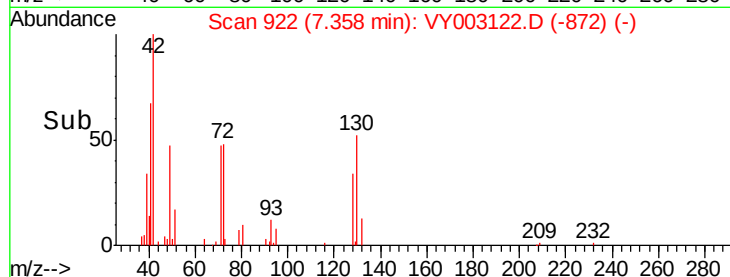
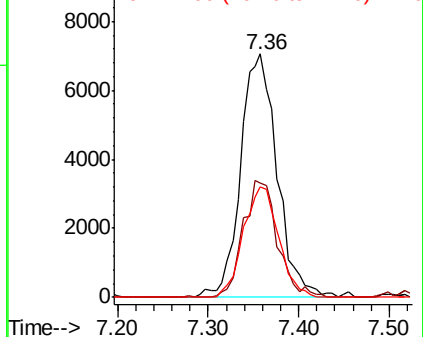
71 43.8 31.2 46.8



Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



#30

Chloroform

Concen: 4.634 ug/l

RT: 7.51 min Scan# 947

Delta R.T. -0.01 min

Lab File: VY003122.D

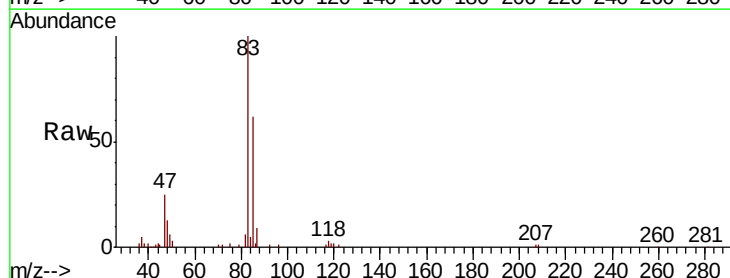
Acq: 07 Jul 2020 13:28

Tgt Ion: 83 Resp: 32983

Ion Ratio Lower Upper

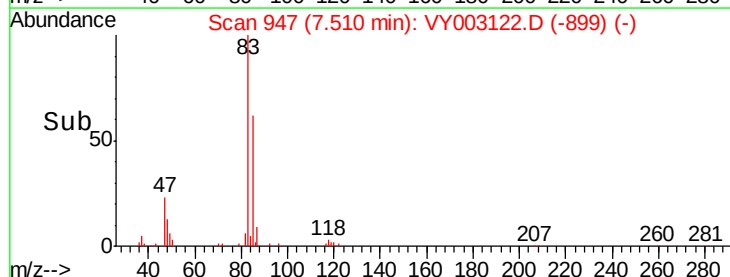
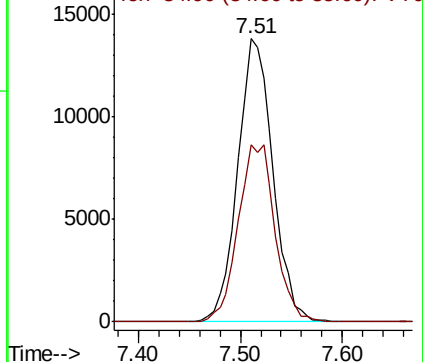
83 100

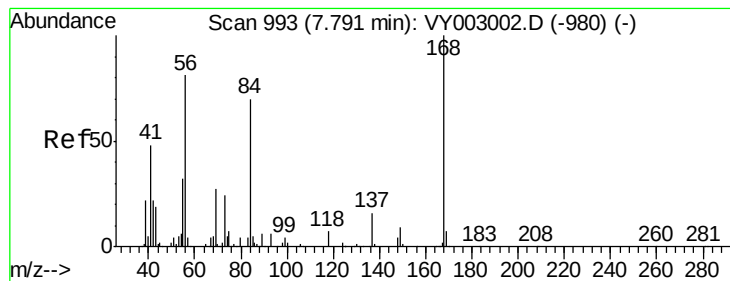
85 62.5 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 5.058 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

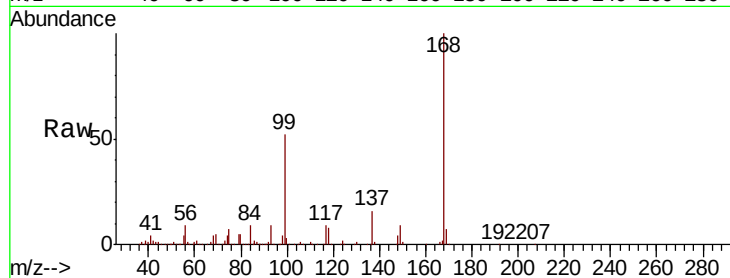
Tot Ion: 56 Resp: 35801

Ion Ratio Lower Upper

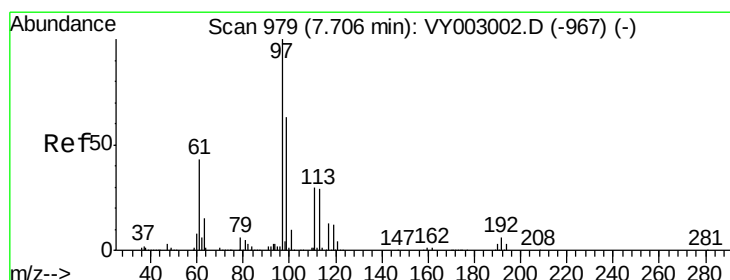
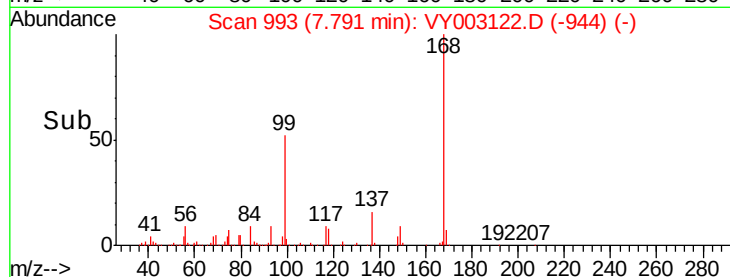
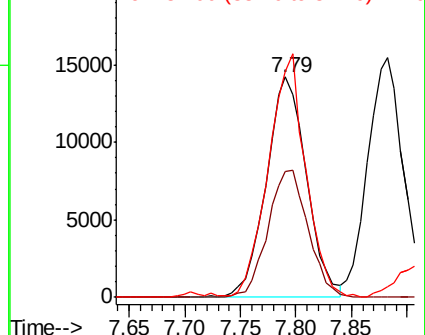
56 100

69 56.9 27.0 40.4#

84 100.0 68.1 102.1



Abundance Ion 56.00 (55.70 to 56.70): VY0  
Ion 69.00 (68.70 to 69.70): VY0  
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 4.378 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

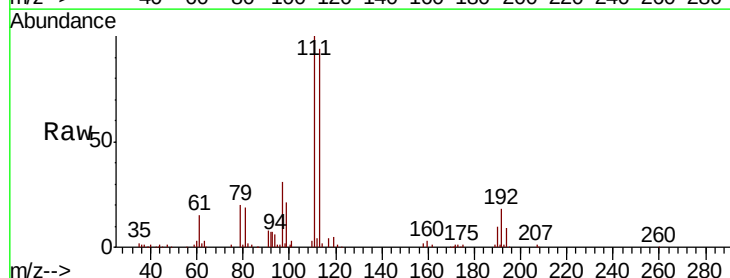
Tgt Ion: 97 Resp: 28443

Ion Ratio Lower Upper

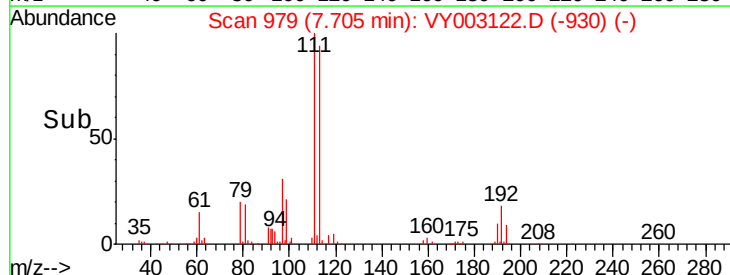
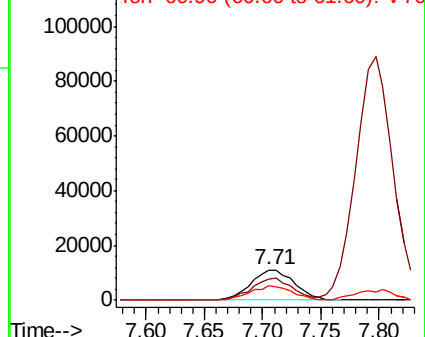
97 100

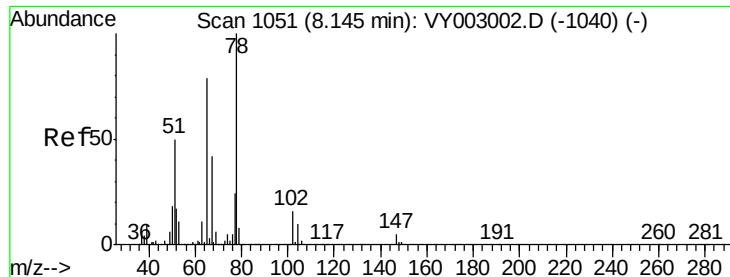
99 70.3 51.4 77.2

61 45.8 33.9 50.9



Abundance Ion 96.90 (96.60 to 97.60): VY0  
Ion 98.90 (98.60 to 99.60): VY0  
Ion 60.90 (60.60 to 61.60): VY0

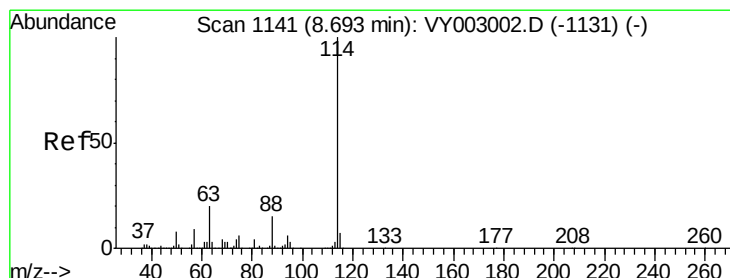
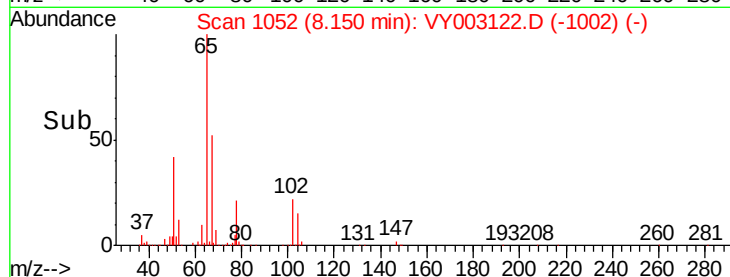
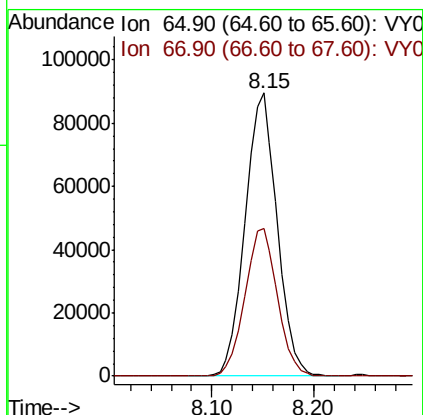
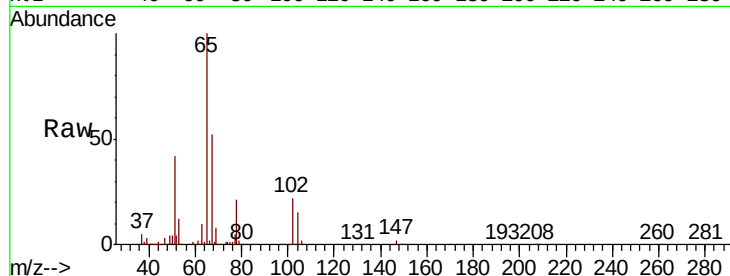




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.442 ug/l  
 RT: 8.15 min Scan# 1052  
 Delta R.T. 0.01 min  
 Lab File: VY003122.D  
 Acq: 07 Jul 2020 13:28

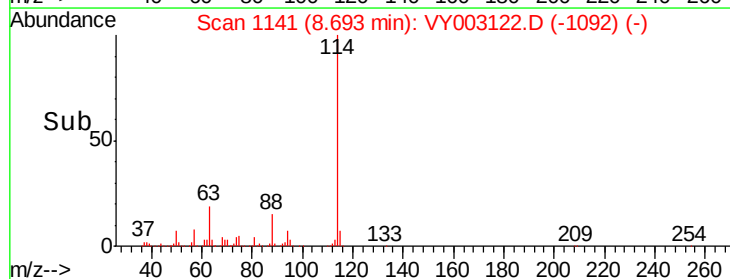
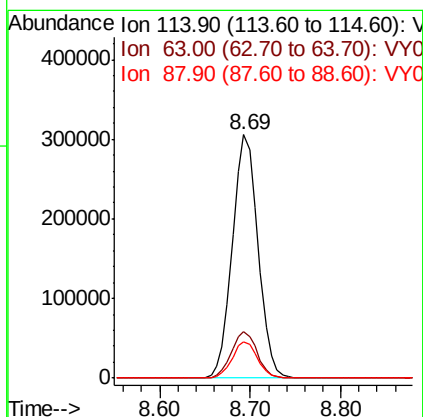
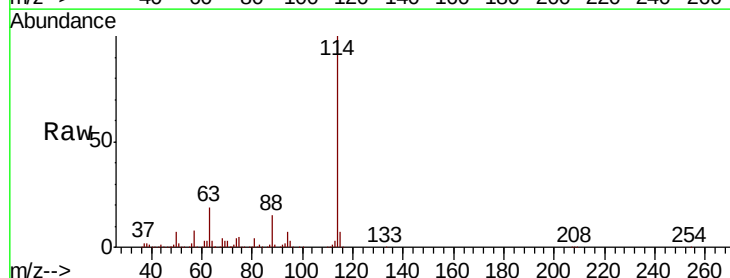
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2020

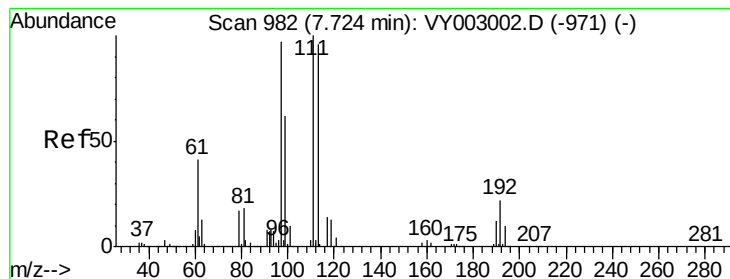
Tot Ion: 65 Resp: 194956  
 Ion Ratio Lower Upper  
 65 100  
 67 53.0 0.0 105.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. -0.00 min  
 Lab File: VY003122.D  
 Acq: 07 Jul 2020 13:28

Tgt Ion: 114 Resp: 598786  
 Ion Ratio Lower Upper  
 114 100  
 63 19.0 0.0 40.6  
 88 14.7 0.0 30.0





#35

Dibromofluoromethane

Concen: 50.423 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

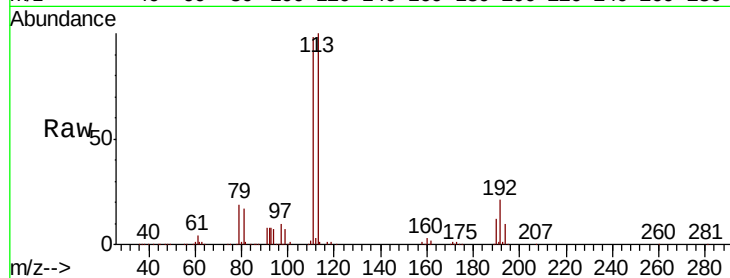
Tot Ion:113 Resp: 188348

Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

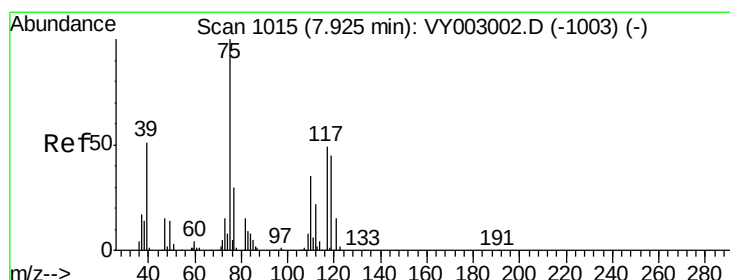
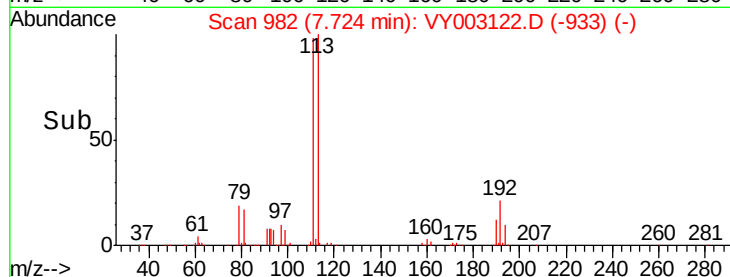
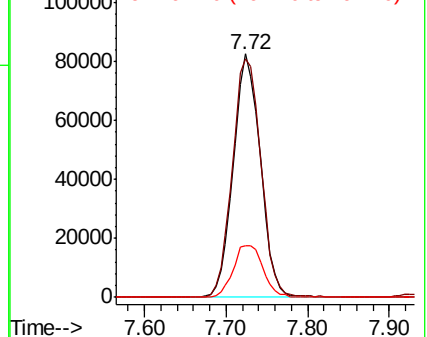
192 23.4 18.1 27.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.438 ug/l

RT: 7.92 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

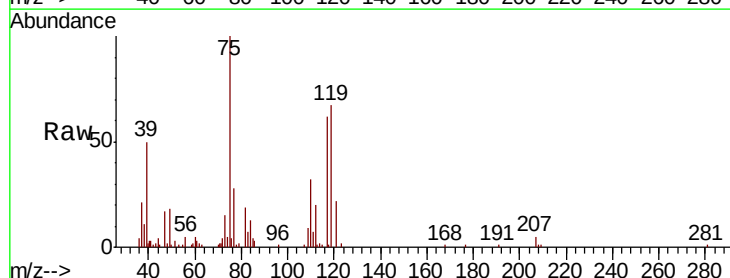
Tgt Ion: 75 Resp: 25596

Ion Ratio Lower Upper

75 100

110 36.7 17.1 51.2

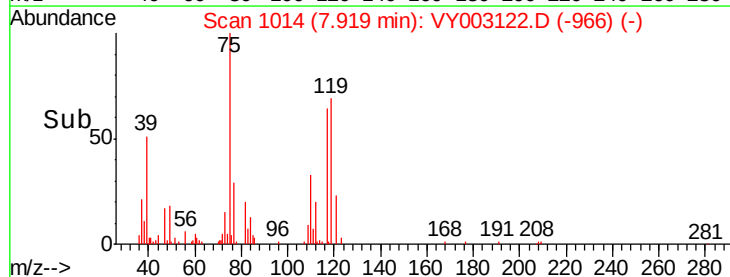
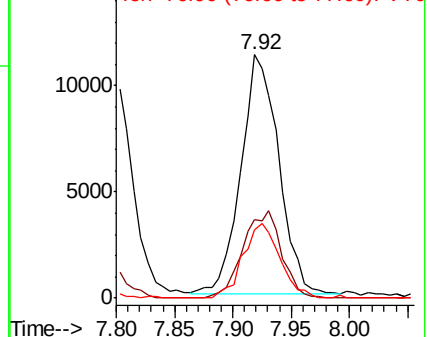
77 30.1 24.9 37.3

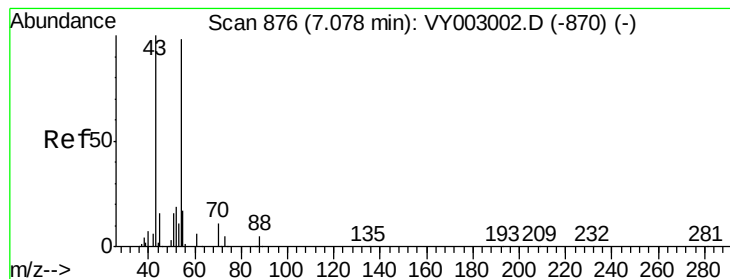


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#37

Ethyl Acetate

Concen: 4.008 ug/l

RT: 7.08 min Scan# 877

Delta R.T. 0.01 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

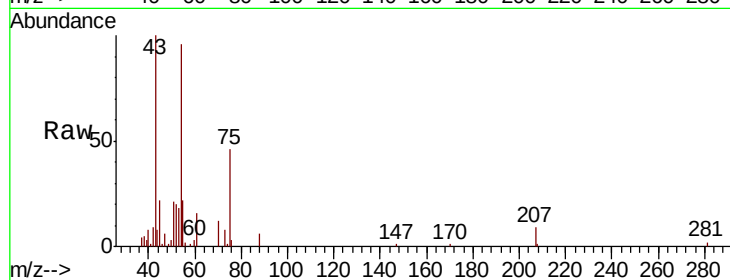
Tot Ion: 43 Resp: 13899

Ion Ratio Lower Upper

43 100

61 13.6 10.4 15.6

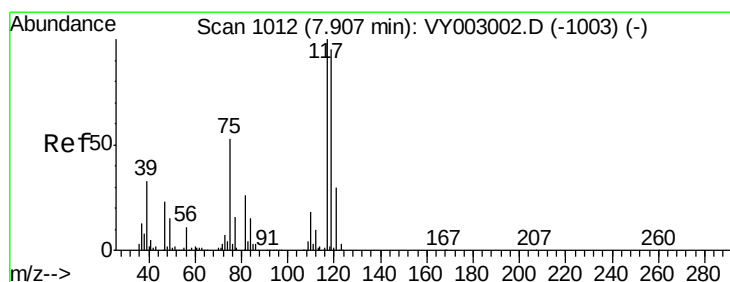
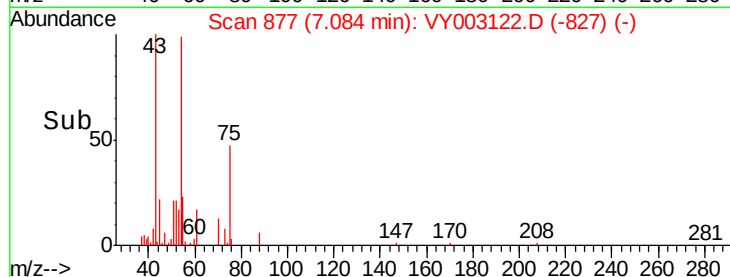
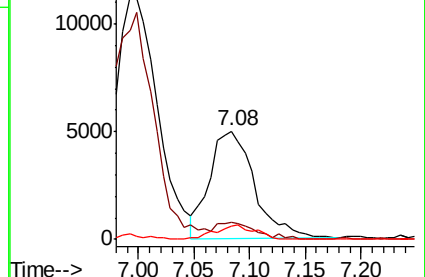
70 11.9 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VY003122.D (-870) (-)

Ion 60.90 (60.60 to 61.60): VY003122.D (-870) (-)

Ion 70.00 (69.70 to 70.70): VY003122.D (-870) (-)



#38

Carbon Tetrachloride

Concen: 4.273 ug/l

RT: 7.91 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

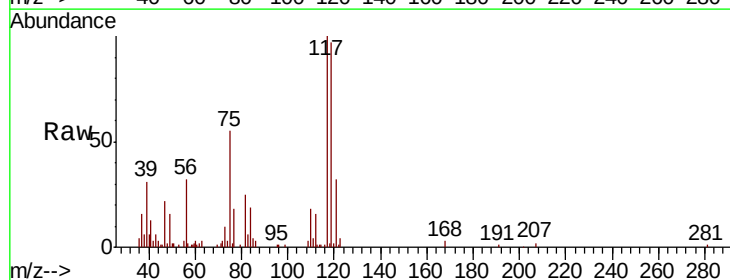
Tgt Ion: 117 Resp: 25643

Ion Ratio Lower Upper

117 100

119 96.8 75.7 113.5

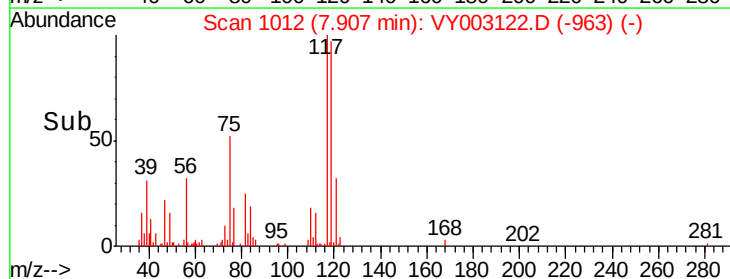
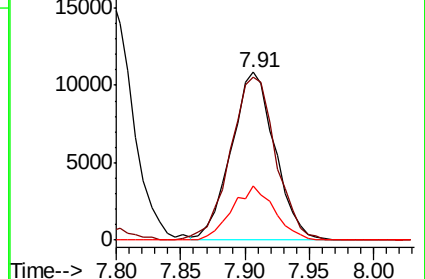
121 31.9 23.9 35.9

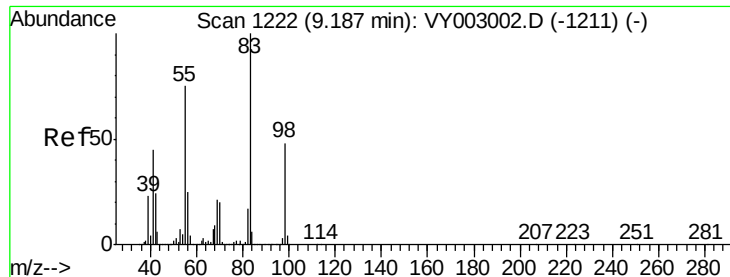


Abundance Ion 116.80 (116.50 to 117.50): VY003122.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY003122.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY003122.D (-963) (-)

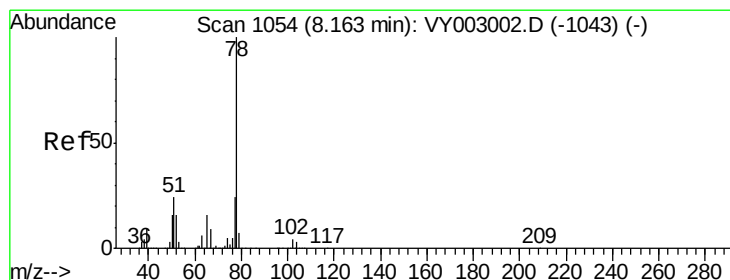
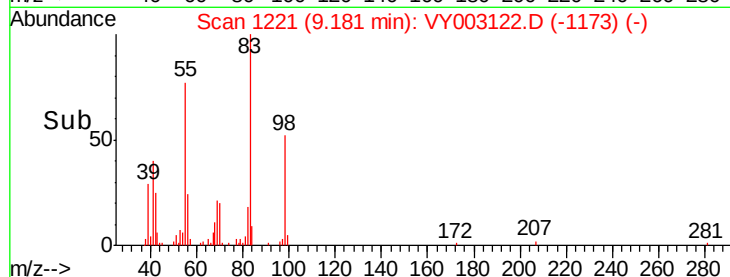
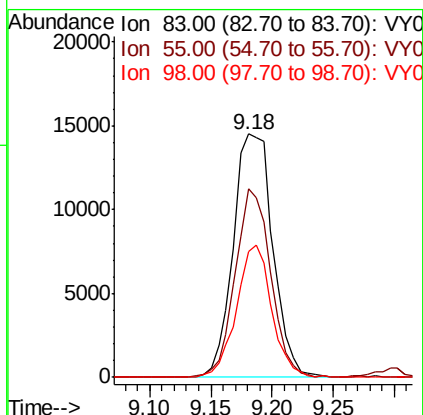
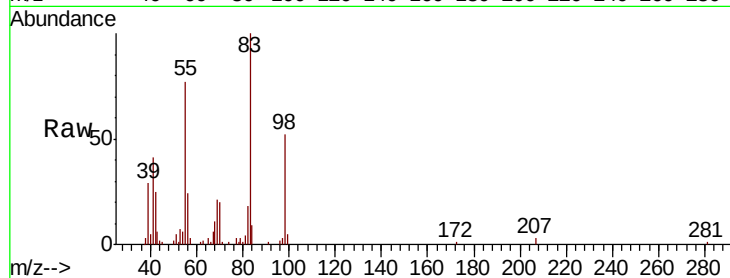




#39  
Methylvlcyclohexane  
Concen: 4.561 ug/l  
RT: 9.18 min Scan# 1221  
Delta R.T. -0.01 min  
Lab File: VY003122.D  
Acq: 07 Jul 2020 13:28

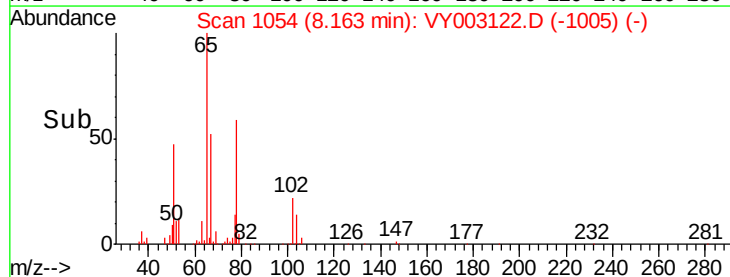
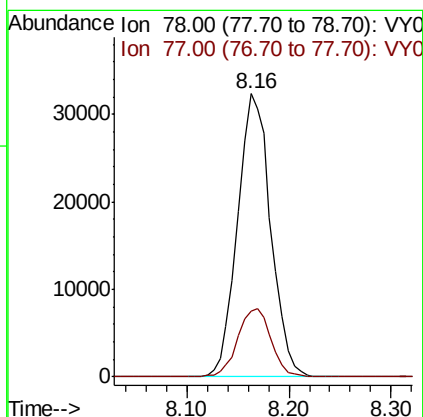
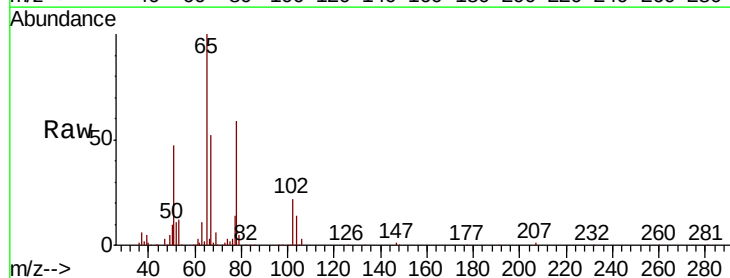
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

| Tot Ion   | 83    | Resp  | 32617 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 55        | 77.4  | 59.9  | 89.9  |
| 98        | 51.9  | 38.7  | 58.1  |

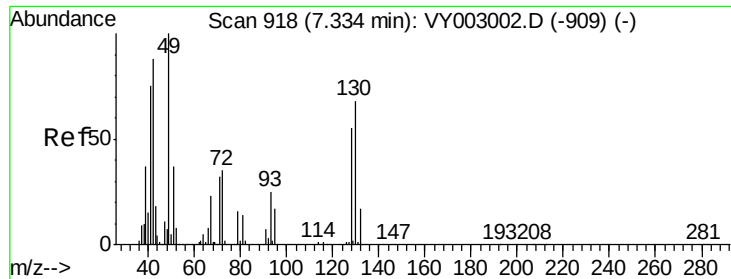


#40  
Benzene  
Concen: 4.613 ug/l  
RT: 8.16 min Scan# 1054  
Delta R.T. -0.00 min  
Lab File: VY003122.D  
Acq: 07 Jul 2020 13:28

| Tgt Ion   | 78    | Resp  | 72839 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 78        | 100   |       |       |
| 77        | 23.1  | 19.2  | 28.8  |



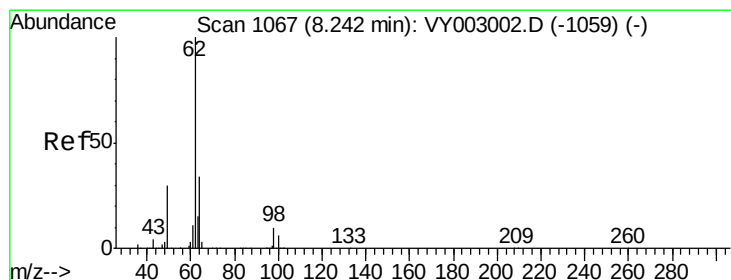
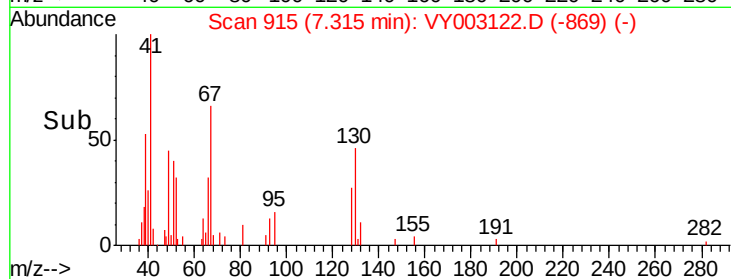
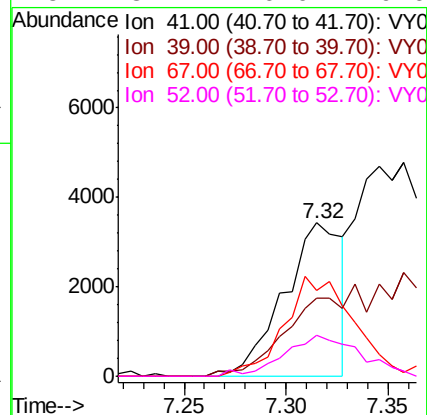
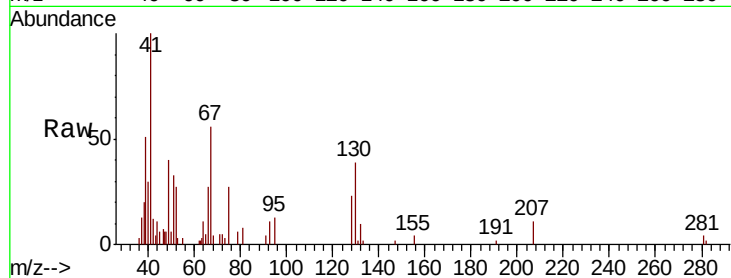




#41  
Methacrylonitrile  
Concen: 3.690 ug/l  
RT: 7.32 min Scan# 915  
Delta R.T. -0.02 min  
Lab File: VY003122.D  
Acq: 07 Jul 2020 13:28

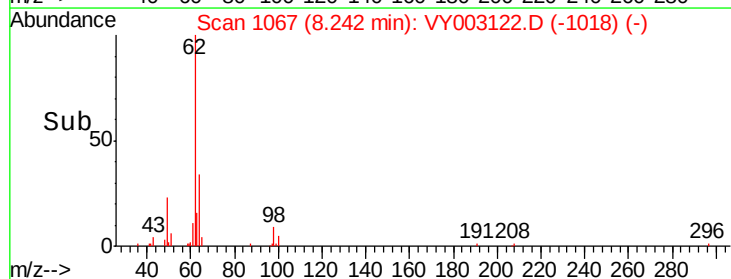
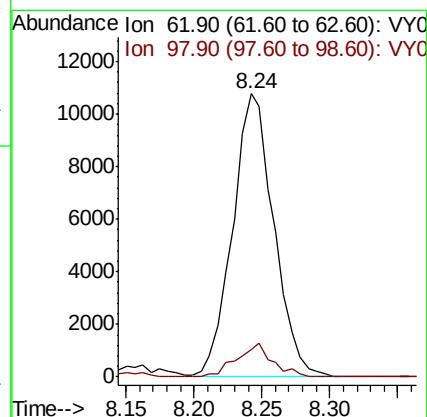
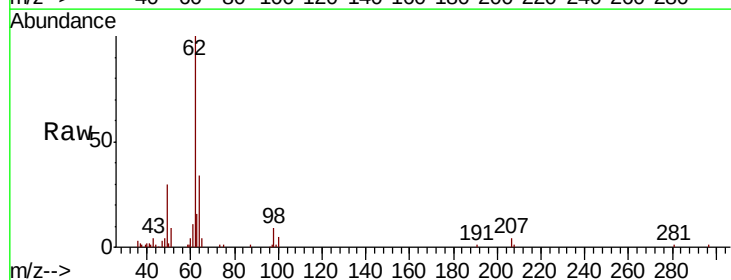
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

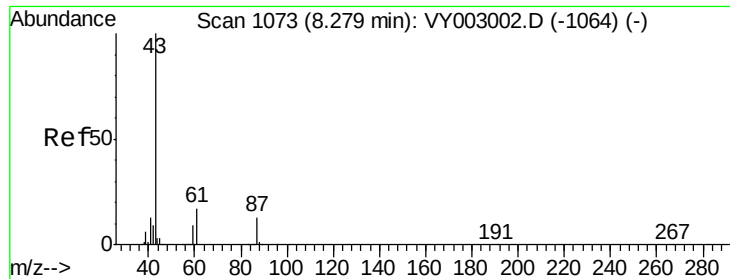
Tot Ion: 41 Resp: 6835  
Ion Ratio Lower Upper  
41 100  
39 52.4 85.7 128.5#  
67 77.4 0.0 0.0#  
52 34.7 0.0 0.0#



#42  
1,2-Dichloroethane  
Concen: 4.549 ug/l  
RT: 8.24 min Scan# 1067  
Delta R.T. -0.00 min  
Lab File: VY003122.D  
Acq: 07 Jul 2020 13:28

Tgt Ion: 62 Resp: 22726  
Ion Ratio Lower Upper  
62 100  
98 10.4 0.0 19.2





#43

Isopropyl Acetate

Concen: 3.927 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

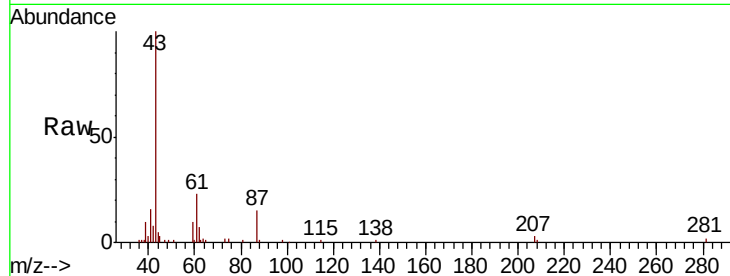
Tot Ion: 43 Resp: 25887

Ion Ratio Lower Upper

43 100

61 31.7 21.8 32.6

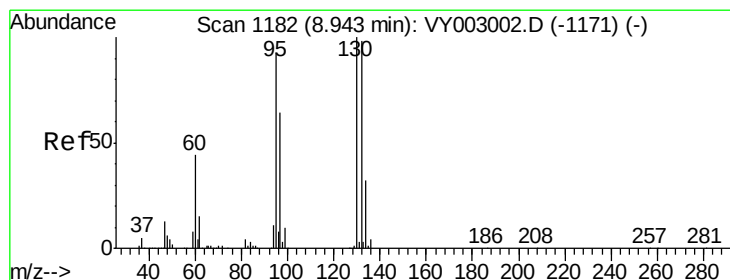
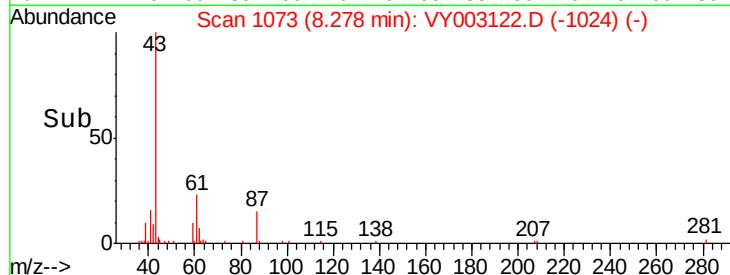
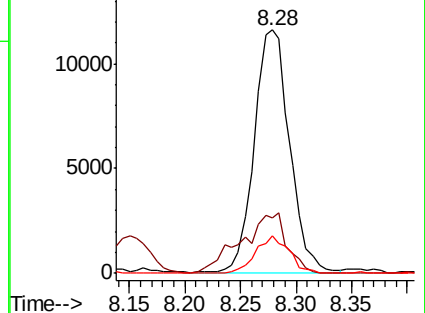
87 14.3 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VY003122.D (-1024) (-)

Ion 61.00 (60.70 to 61.70): VY003122.D (-1024) (-)

Ion 87.00 (86.70 to 87.70): VY003122.D (-1024) (-)



#44

Trichloroethene

Concen: 4.629 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY003122.D

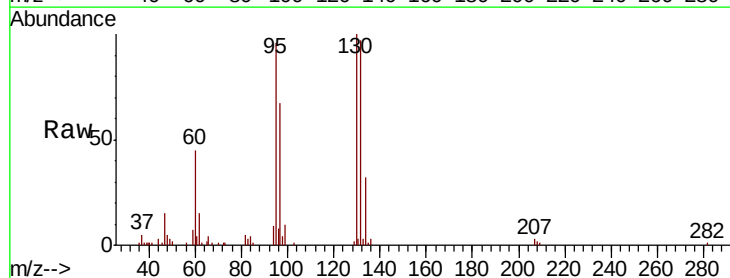
Acq: 07 Jul 2020 13:28

Tgt Ion: 130 Resp: 21244

Ion Ratio Lower Upper

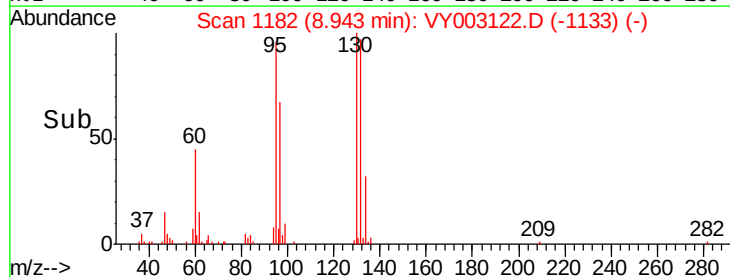
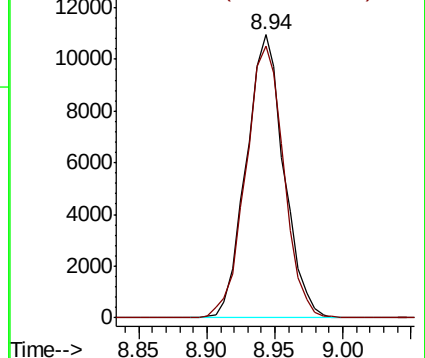
130 100

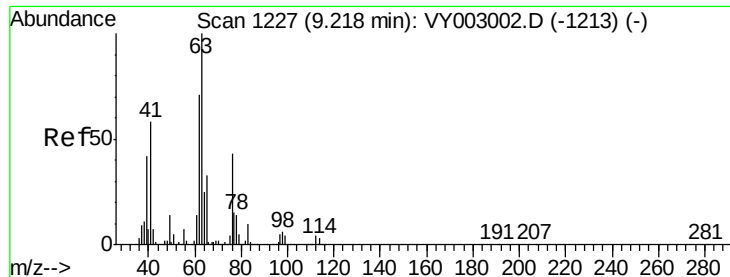
95 96.3 0.0 186.4



Abundance Ion 129.80 (129.50 to 130.50): VY003122.D (-1133) (-)

Ion 94.90 (94.60 to 95.60): VY003122.D (-1133) (-)

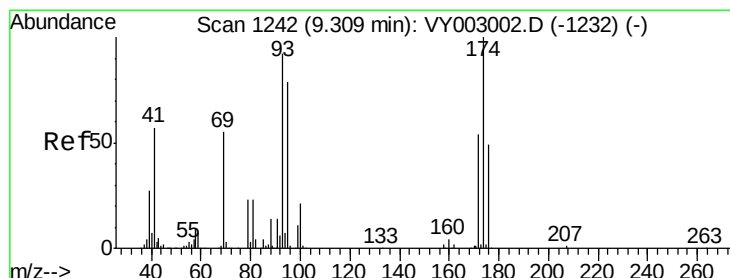
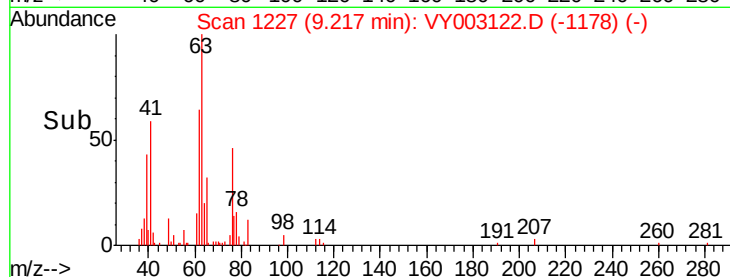
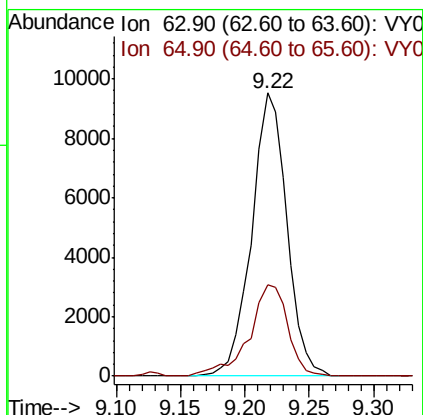
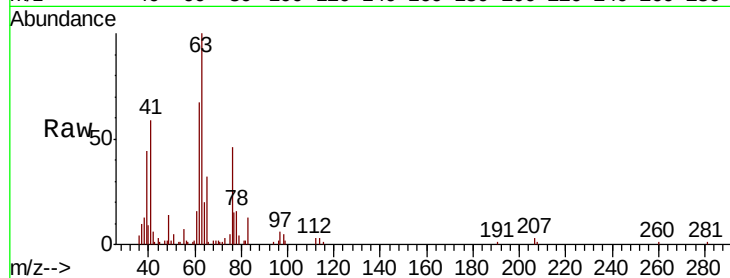




#45  
 1,2-Dichloropropane  
 Concen: 4.227 ug/l  
 RT: 9.22 min Scan# 1227  
 Delta R.T. -0.00 min  
 Lab File: VY003122.D  
 Acq: 07 Jul 2020 13:28

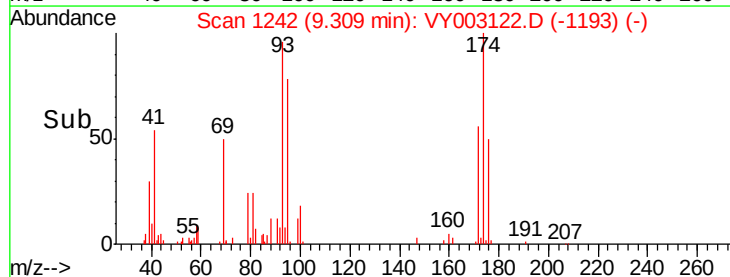
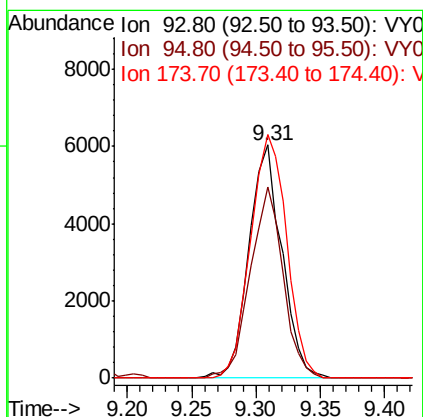
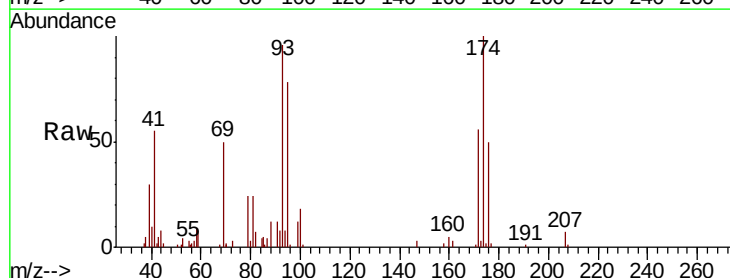
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2020

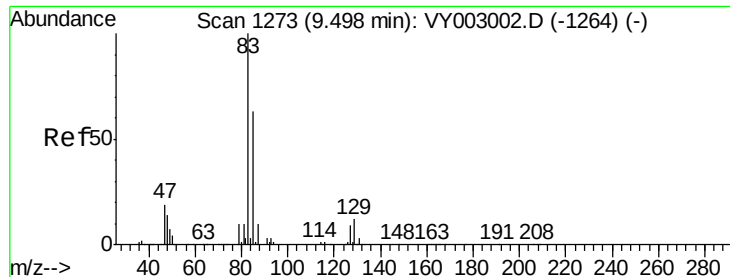
Tot Ion: 63 Resp: 17956  
 Ion Ratio Lower Upper  
 63 100  
 65 32.2 26.2 39.4



#46  
 Dibromomethane  
 Concen: 4.489 ug/l  
 RT: 9.31 min Scan# 1242  
 Delta R.T. -0.00 min  
 Lab File: VY003122.D  
 Acq: 07 Jul 2020 13:28

Tgt Ion: 93 Resp: 10651  
 Ion Ratio Lower Upper  
 93 100  
 95 81.4 67.6 101.4  
 174 114.5 88.3 132.5





#47

Bromodichloromethane

Concen: 4.419 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

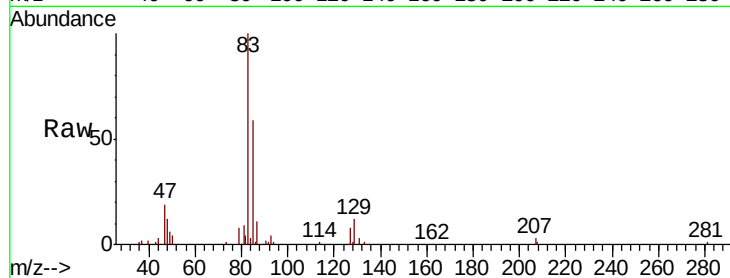
Tot Ion: 83 Resp: 25671

Ion Ratio Lower Upper

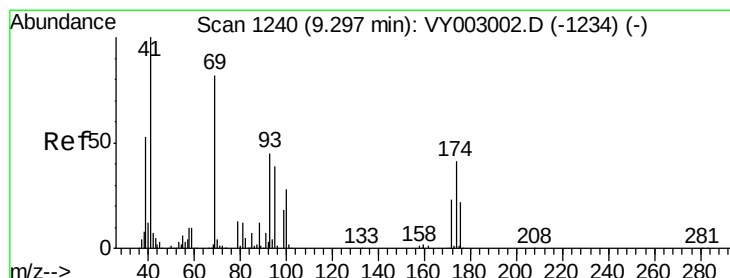
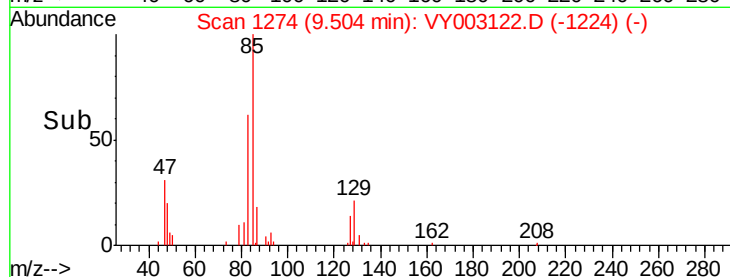
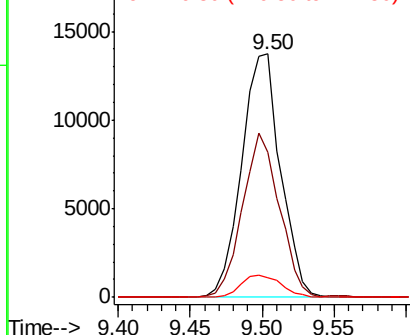
83 100

85 59.4 50.5 75.7

127 8.1 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VY0  
Ion 84.90 (84.60 to 85.60): VY0  
Ion 126.80 (126.50 to 127.50): VY0



#48

Methyl methacrylate

Concen: 3.716 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

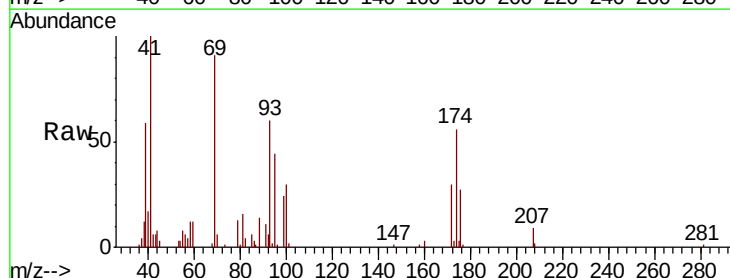
Tgt Ion: 41 Resp: 11151

Ion Ratio Lower Upper

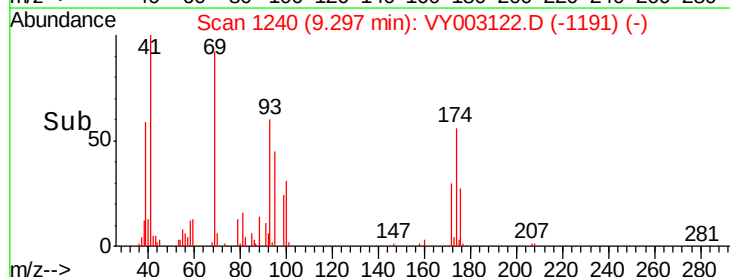
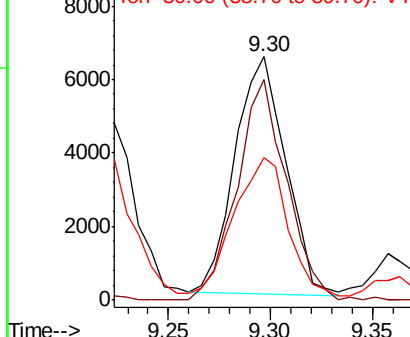
41 100

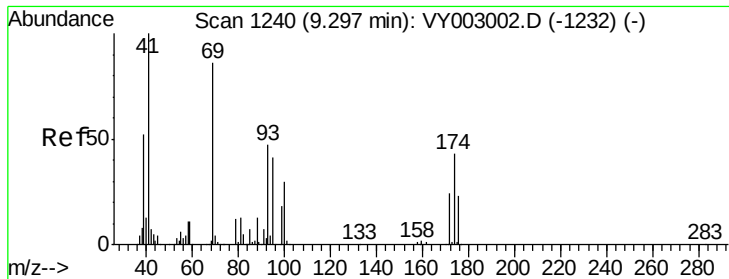
69 91.2 67.7 101.5

39 66.2 45.0 67.4



Abundance Ion 41.00 (40.70 to 41.70): VY0  
Ion 69.00 (68.70 to 69.70): VY0  
Ion 39.00 (38.70 to 39.70): VY0





#49

1,4-Dioxane

Concen: 84.589 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

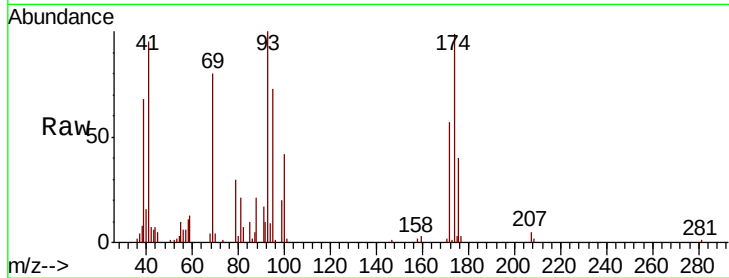
Tot Ion: 88 Resp: 2450

Ion Ratio Lower Upper

88 100

43 36.8 28.6 42.8

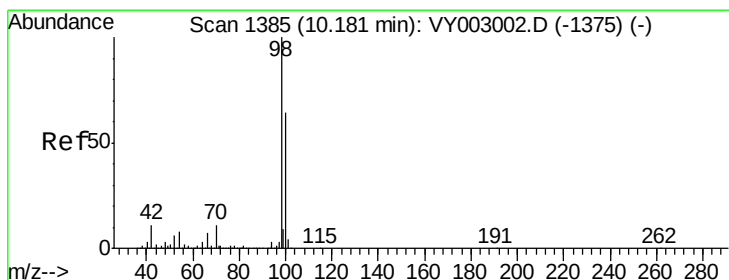
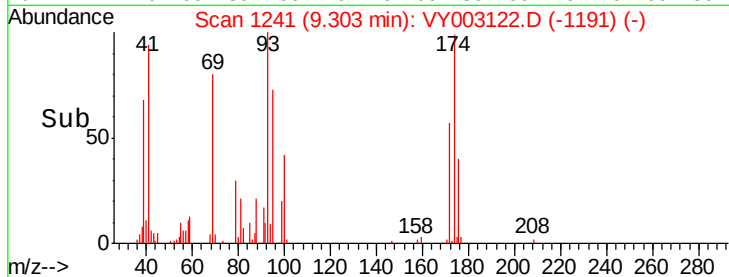
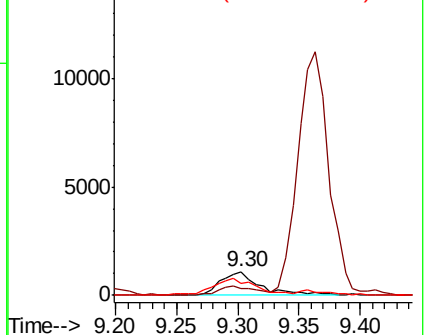
58 79.3 56.7 85.1



Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 50.377 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003122.D

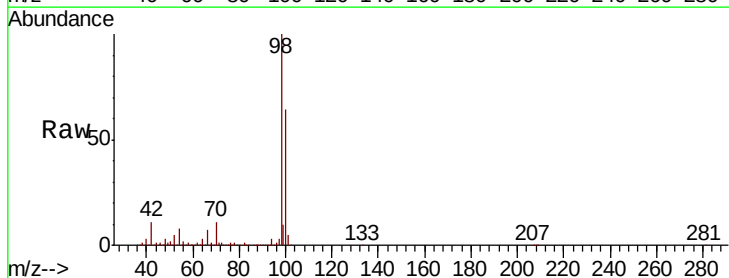
Acq: 07 Jul 2020 13:28

Tgt Ion: 98 Resp: 701036

Ion Ratio Lower Upper

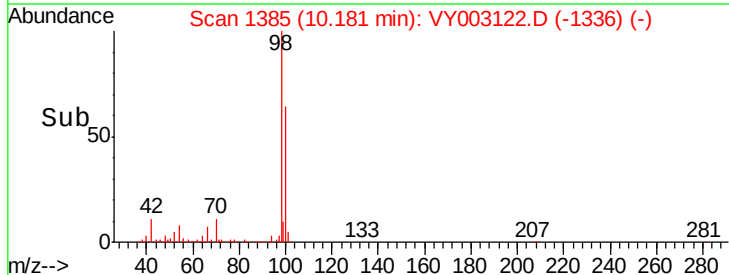
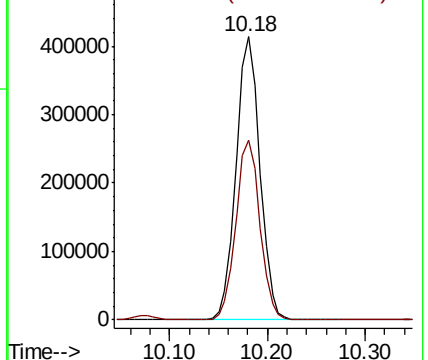
98 100

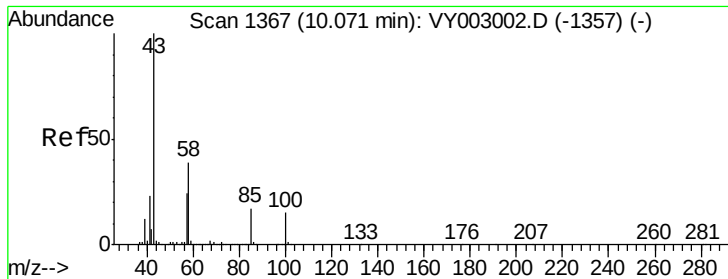
100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 19.591 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

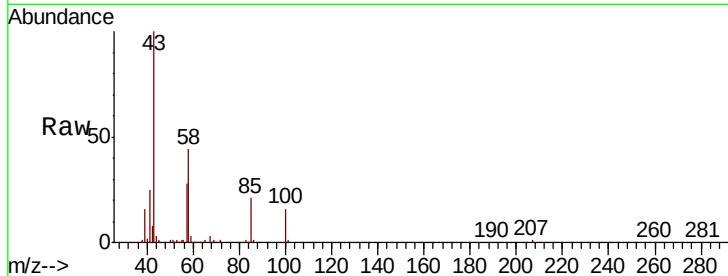
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 43 Resp: 66754

Ion Ratio Lower Upper

43 100

58 40.6 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VY003122.D (-1357) (-)

Ion 58.00 (57.70 to 58.70): VY003122.D (-1357) (-)

10.07

40000

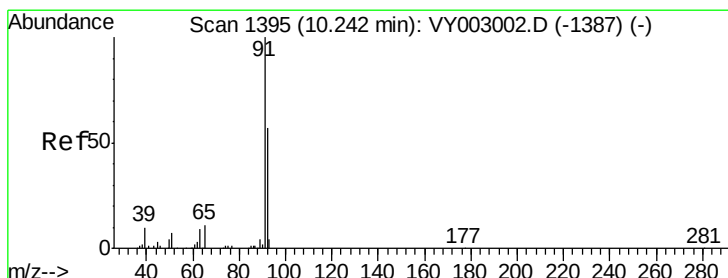
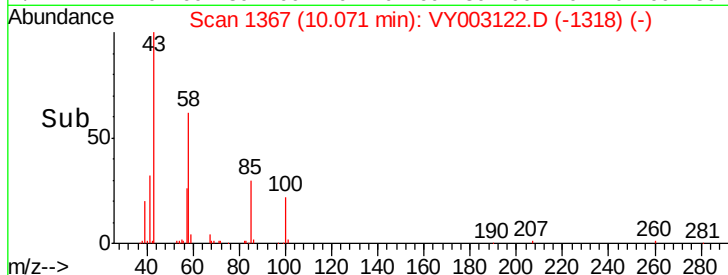
30000

20000

10000

0

Time-->



#52

Toluene

Concen: 4.728 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003122.D

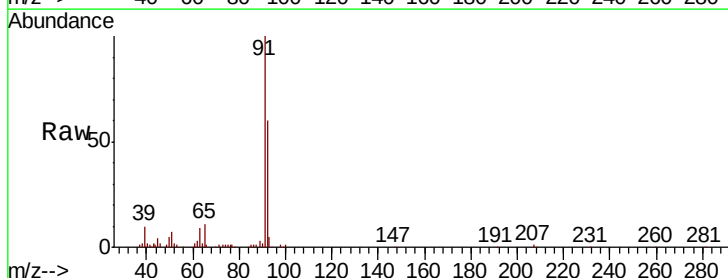
Acq: 07 Jul 2020 13:28

Tgt Ion: 92 Resp: 46996

Ion Ratio Lower Upper

92 100

91 170.1 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VY003122.D (-1387) (-)

Ion 91.00 (90.70 to 91.70): VY003122.D (-1387) (-)

10.24

50000

40000

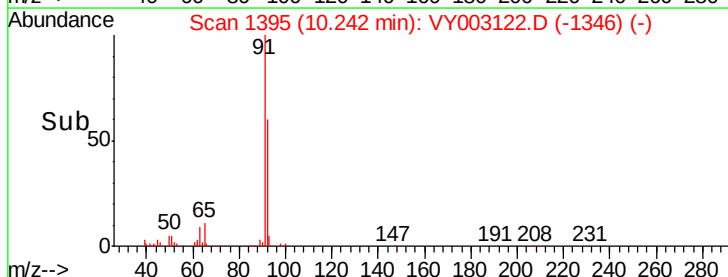
30000

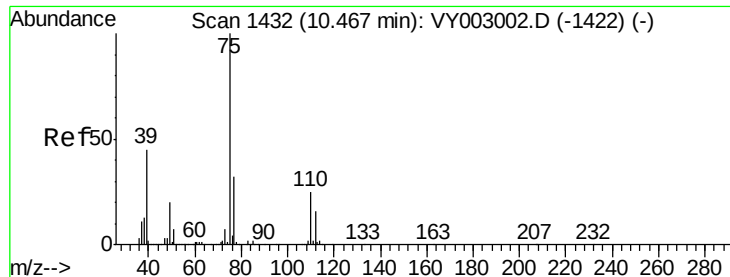
20000

10000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 4.224 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

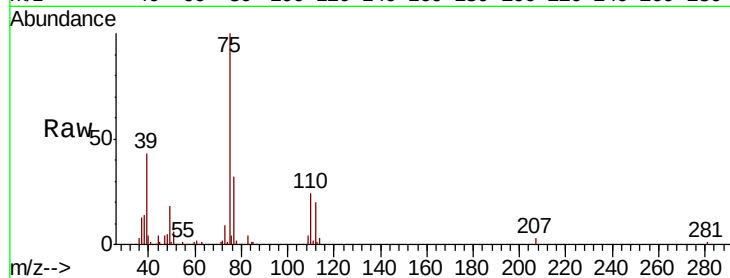
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 75 Resp: 25732

Ion Ratio Lower Upper

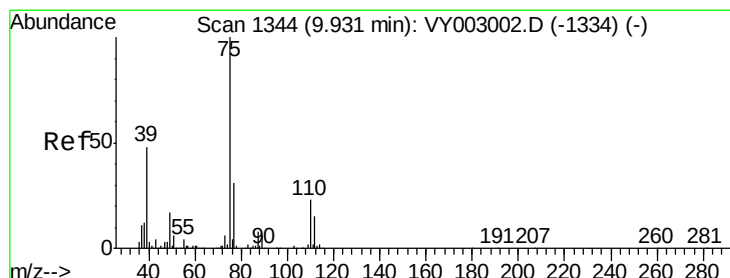
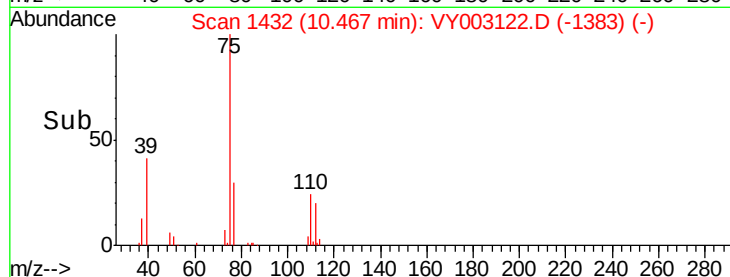
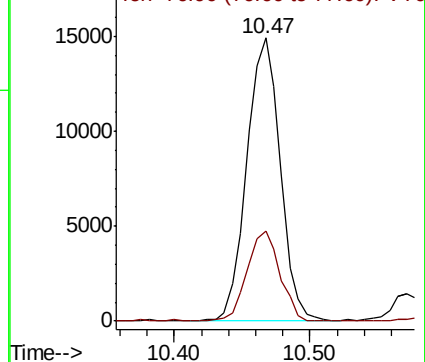
75 100

77 31.9 25.9 38.9



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 4.298 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

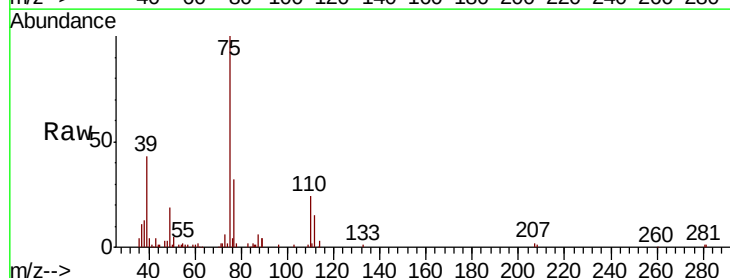
Tgt Ion: 75 Resp: 29939

Ion Ratio Lower Upper

75 100

77 32.2 24.6 37.0

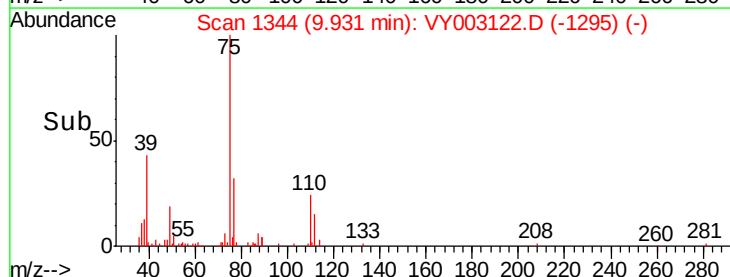
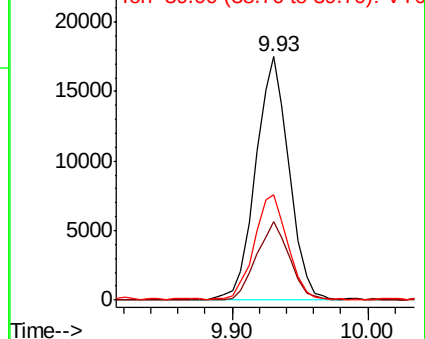
39 42.5 38.3 57.5

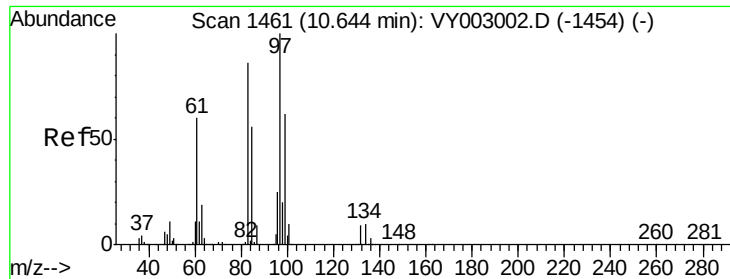


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

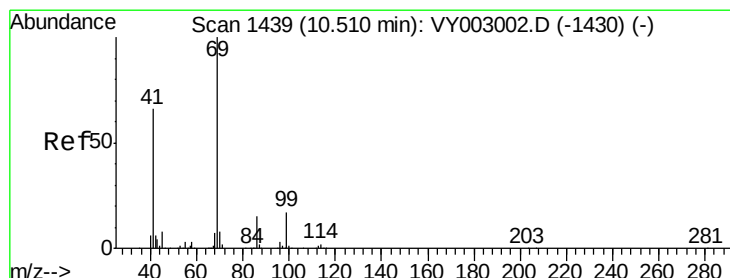
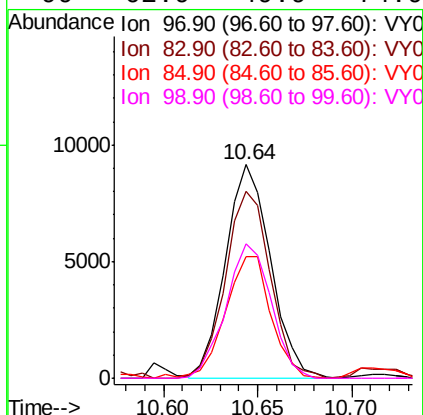
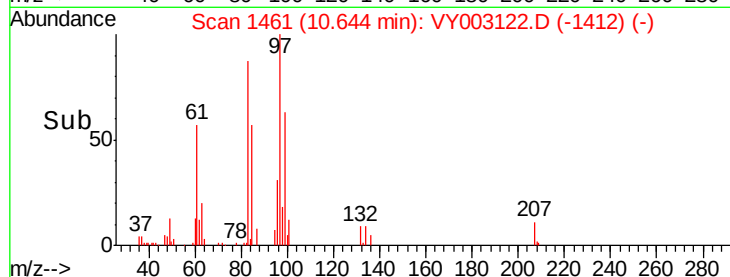
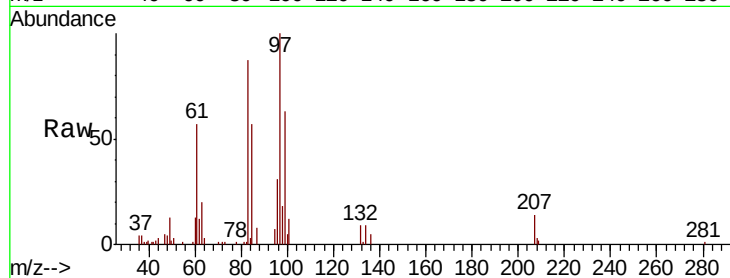




#55  
 1,1,2-Trichloroethane  
 Concen: 4.628 ug/l  
 RT: 10.64 min Scan# 1461  
 Delta R.T. -0.00 min  
 Lab File: VY003122.D  
 Acq: 07 Jul 2020 13:28

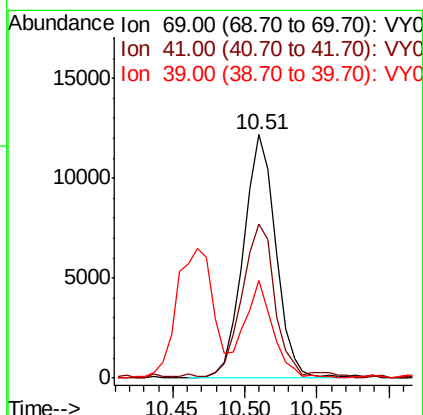
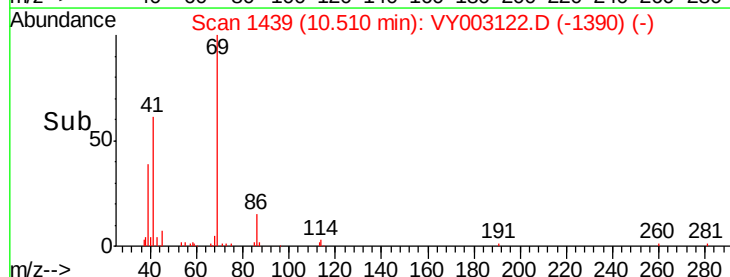
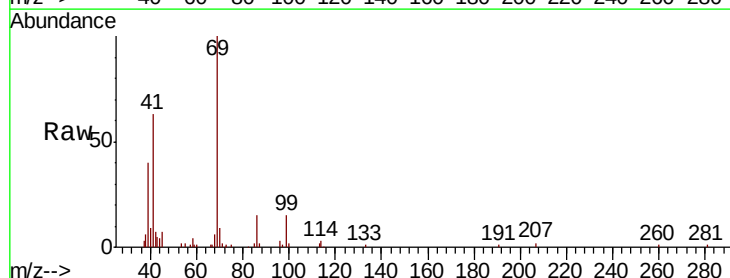
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2020

| Tot Ion: | 97    | Resp: | 15258 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 86.9  | 69.0  | 103.6 |
| 85       | 56.8  | 44.8  | 67.2  |
| 99       | 62.9  | 49.9  | 74.9  |

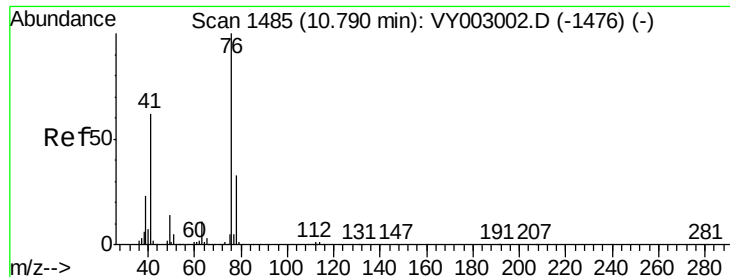


#56  
 Ethyl methacrylate  
 Concen: 3.980 ug/l  
 RT: 10.51 min Scan# 1439  
 Delta R.T. -0.00 min  
 Lab File: VY003122.D  
 Acq: 07 Jul 2020 13:28

| Tgt Ion: | 69    | Resp: | 18994 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 63.2  | 53.7  | 80.5  |
| 39       | 36.3  | 28.3  | 42.5  |







#57

1,3-Dichloropropane

Concen: 4.356 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

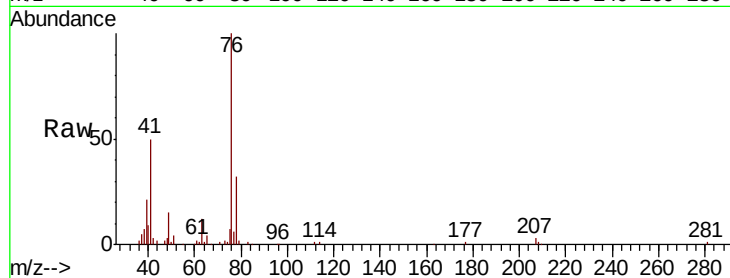
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 76 Resp: 25214

Ion Ratio Lower Upper

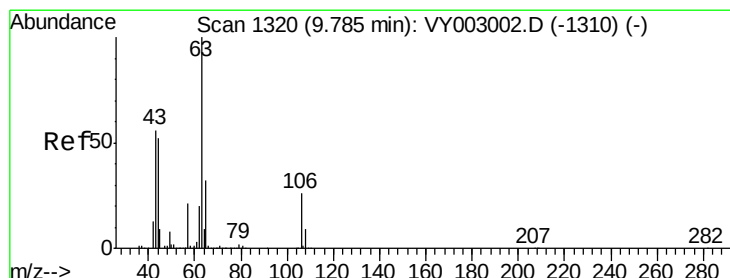
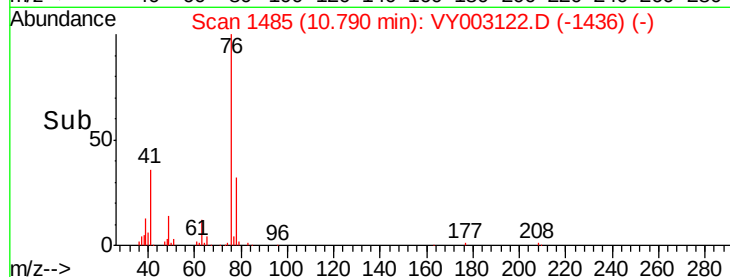
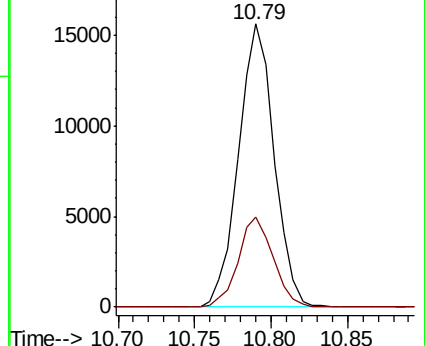
76 100

78 31.4 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 21.400 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY003122.D

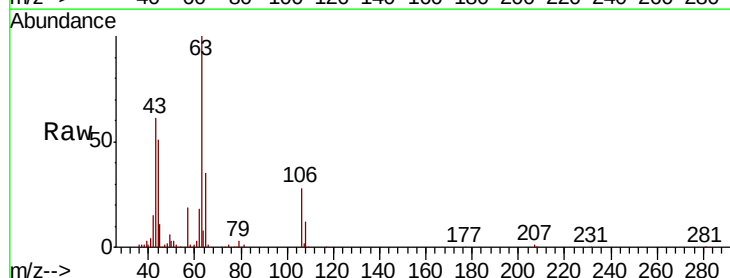
Acq: 07 Jul 2020 13:28

Tgt Ion: 63 Resp: 52382

Ion Ratio Lower Upper

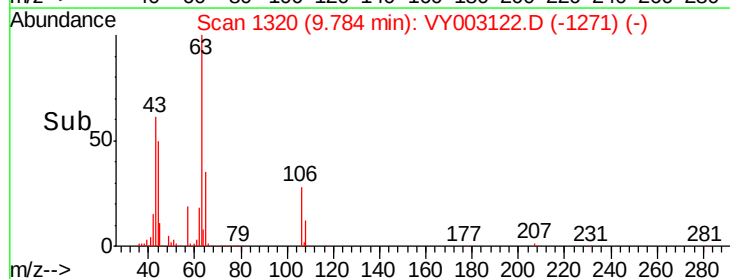
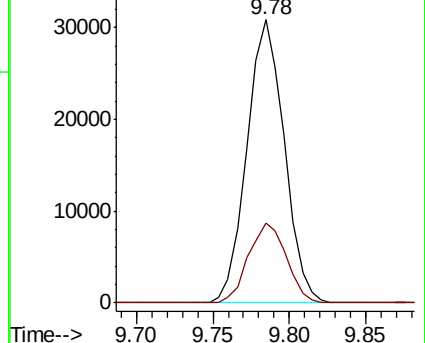
63 100

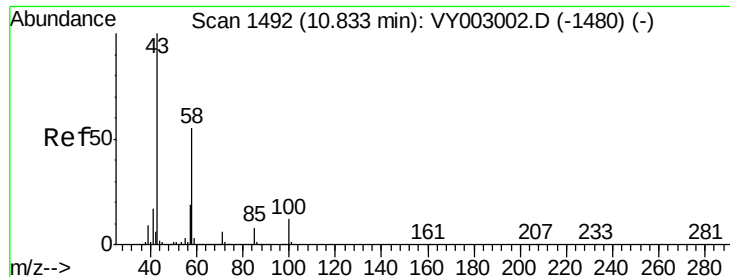
106 28.7 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

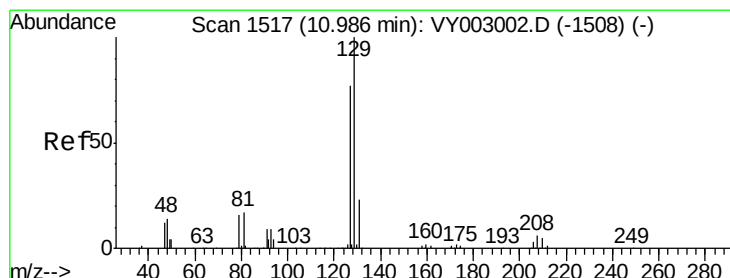
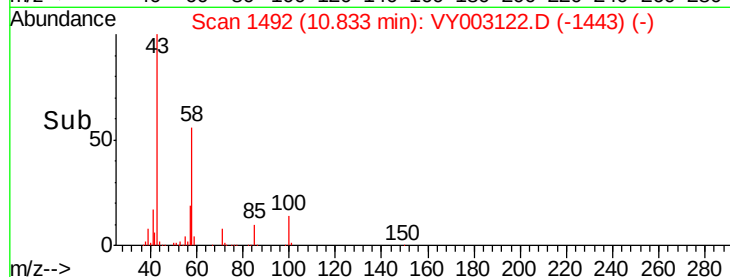
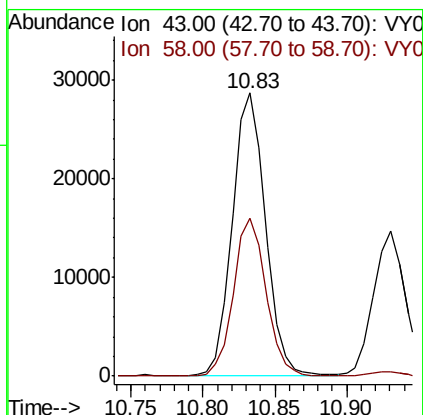
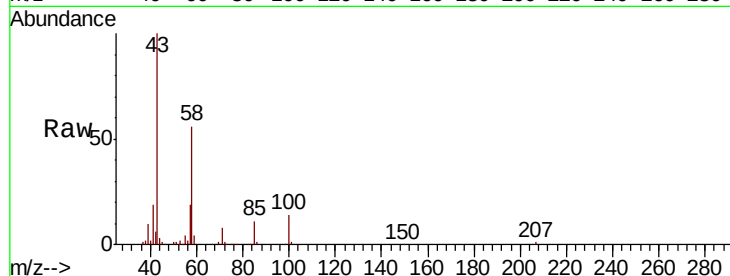




#59  
2-Hexanone  
Concen: 19.433 ug/l  
RT: 10.83 min Scan# 1492  
Delta R.T. -0.00 min  
Lab File: VY003122.D  
Acq: 07 Jul 2020 13:28

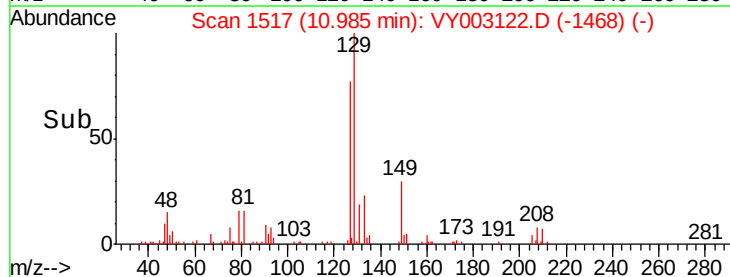
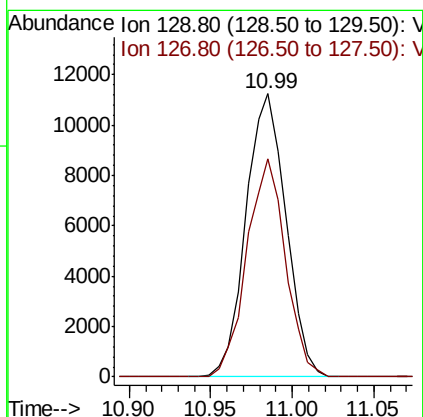
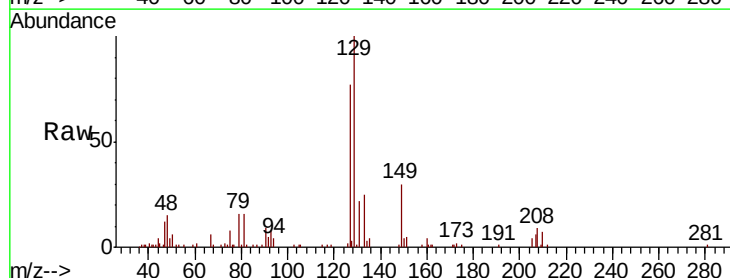
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

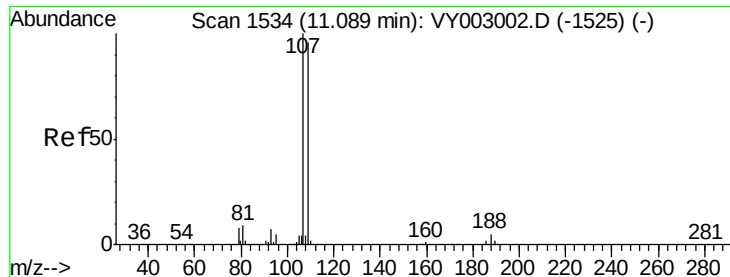
Tot Ion: 43 Resp: 46284  
Ion Ratio Lower Upper  
43 100  
58 54.8 27.5 82.4



#60  
Dibromochloromethane  
Concen: 4.544 ug/l  
RT: 10.99 min Scan# 1517  
Delta R.T. -0.00 min  
Lab File: VY003122.D  
Acq: 07 Jul 2020 13:28

Tgt Ion: 129 Resp: 19174  
Ion Ratio Lower Upper  
129 100  
127 74.8 39.1 117.3

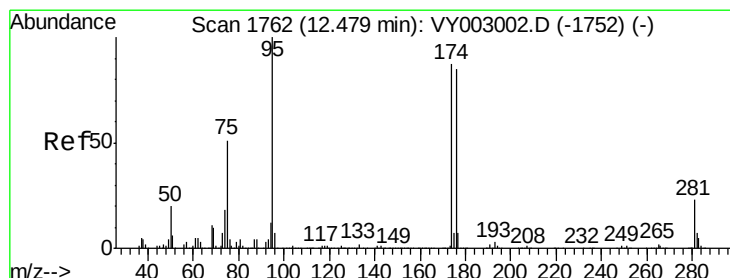
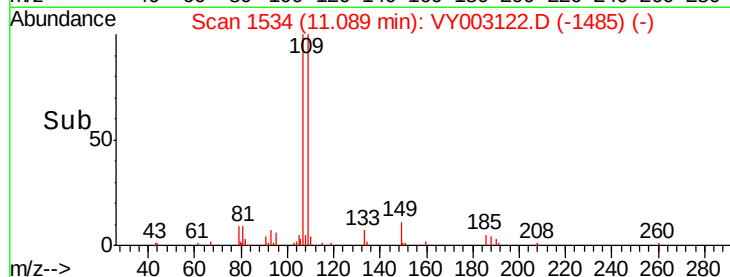
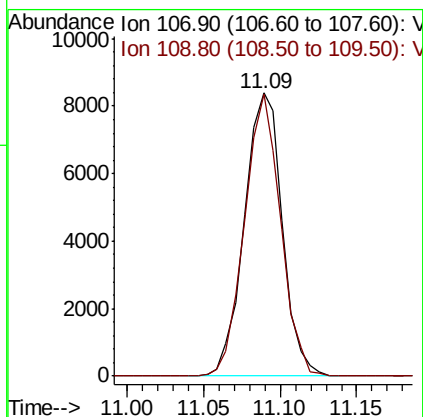
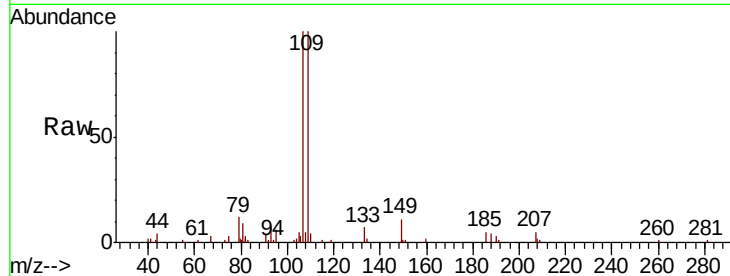




#61  
1,2-Dibromoethane  
Concen: 4.433 ug/l  
RT: 11.09 min Scan# 1534  
Delta R.T. -0.00 min  
Lab File: VY003122.D  
Acq: 07 Jul 2020 13:28

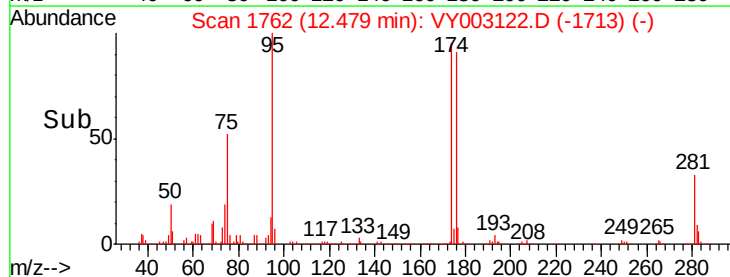
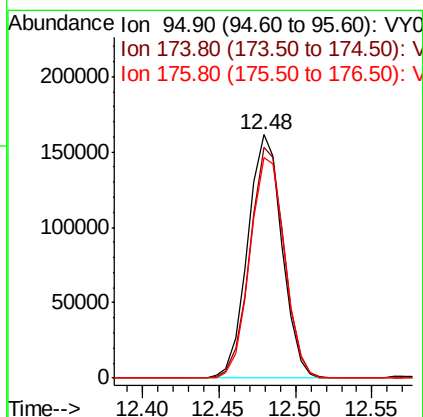
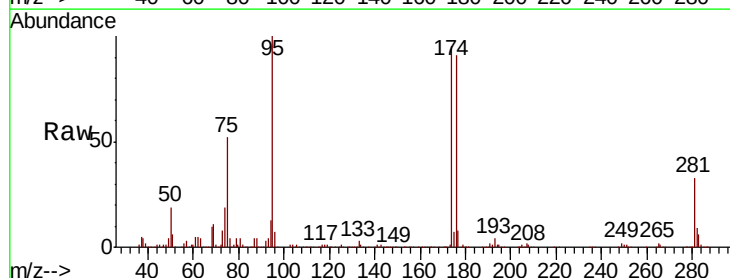
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

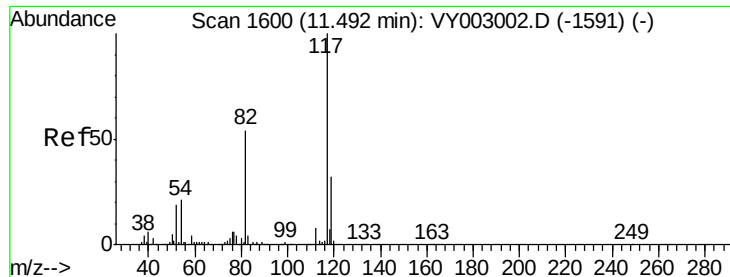
Tot Ion:107 Resp: 14408  
Ion Ratio Lower Upper  
107 100  
109 94.9 75.8 113.8



#62  
4-Bromofluorobenzene  
Concen: 51.466 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. -0.00 min  
Lab File: VY003122.D  
Acq: 07 Jul 2020 13:28

Tgt Ion: 95 Resp: 252101  
Ion Ratio Lower Upper  
95 100  
174 94.4 0.0 184.8  
176 92.0 0.0 183.0

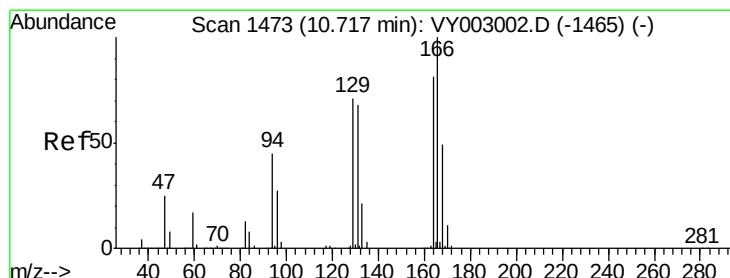
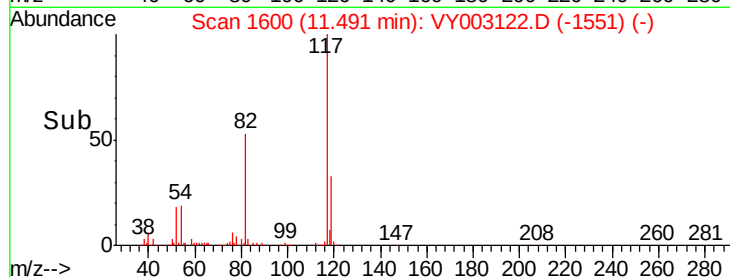
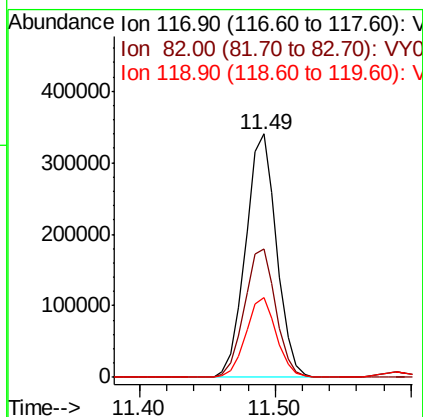
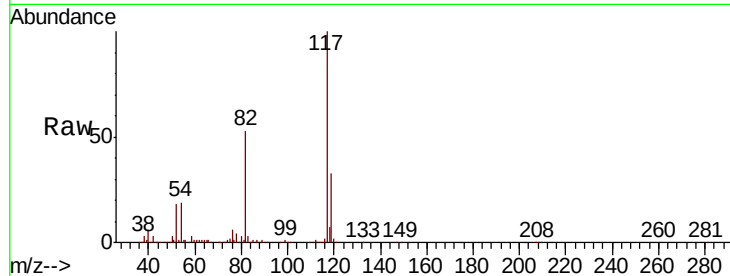




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VY003122.D  
Acq: 07 Jul 2020 13:28

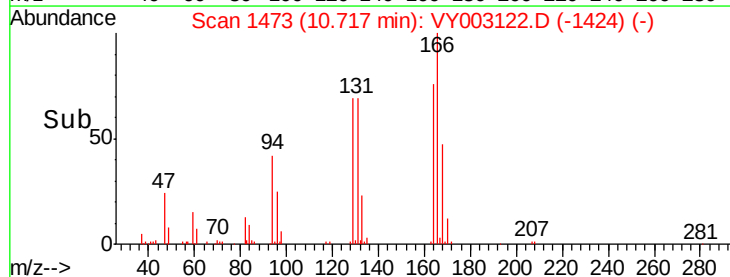
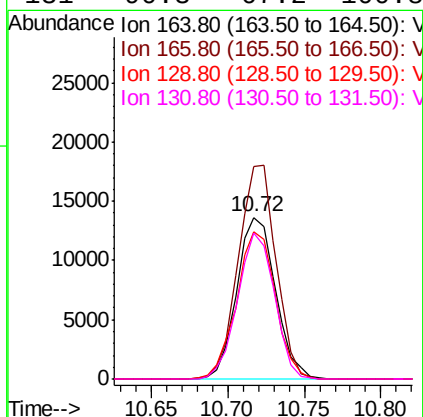
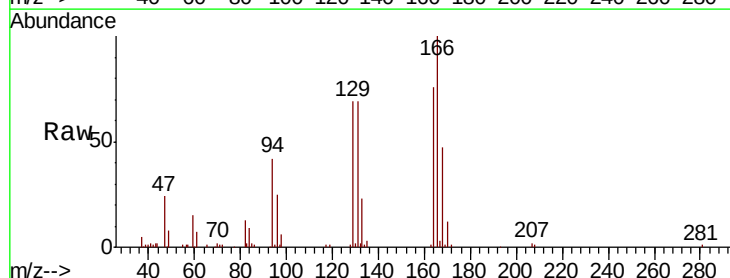
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

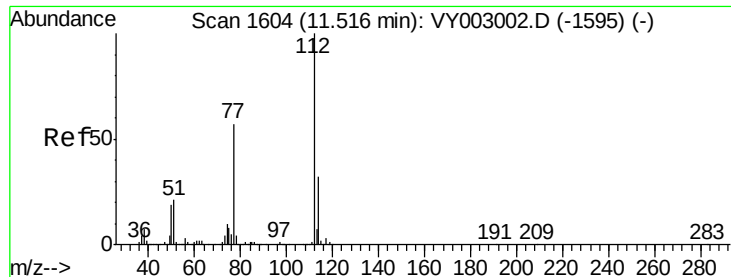
Tot Ion:117 Resp: 540224  
Ion Ratio Lower Upper  
117 100  
82 53.0 43.0 64.6  
119 32.7 25.8 38.8



#64  
Tetrachloroethene  
Concen: 5.228 ug/l  
RT: 10.72 min Scan# 1473  
Delta R.T. -0.00 min  
Lab File: VY003122.D  
Acq: 07 Jul 2020 13:28

Tgt Ion:164 Resp: 23903  
Ion Ratio Lower Upper  
164 100  
166 131.0 98.5 147.7  
129 90.7 69.7 104.5  
131 90.3 67.2 100.8





#65

Chlorobenzene

Concen: 4.783 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

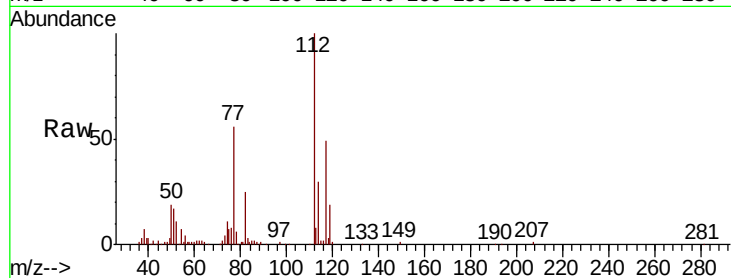
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:112 Resp: 50952

Ion Ratio Lower Upper

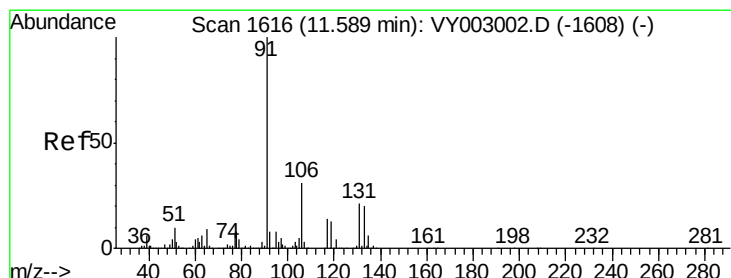
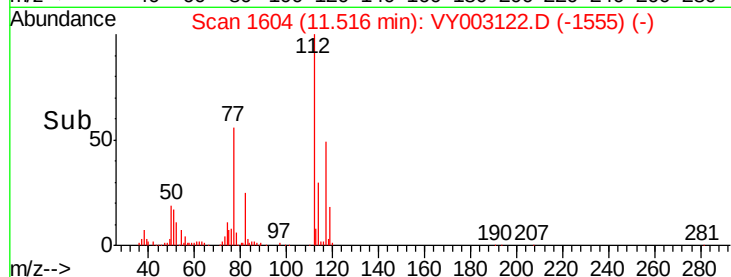
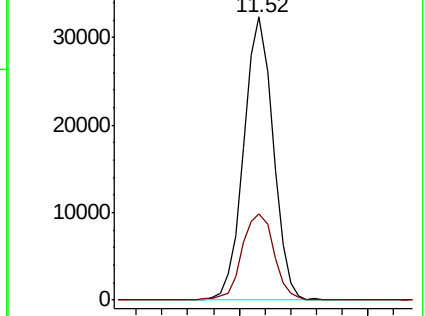
112 100

114 30.3 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.422 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

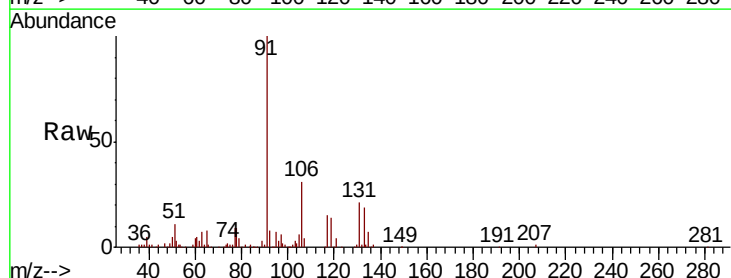
Tgt Ion:131 Resp: 18389

Ion Ratio Lower Upper

131 100

133 101.7 47.9 143.8

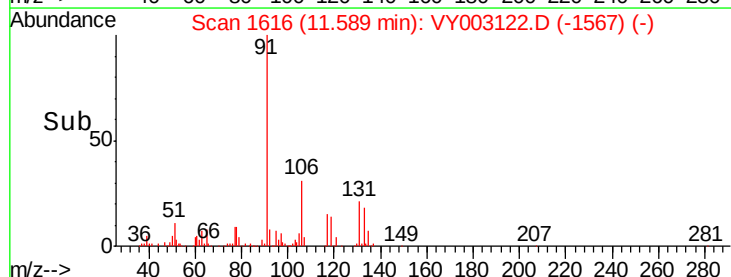
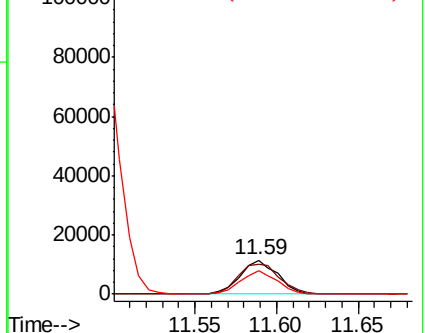
119 67.2 31.8 95.3

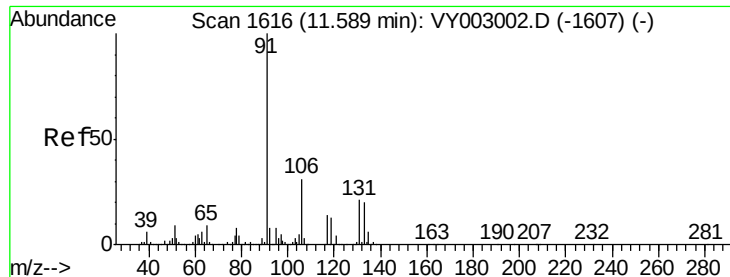


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

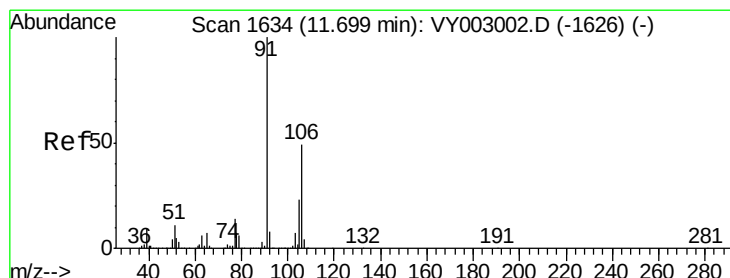
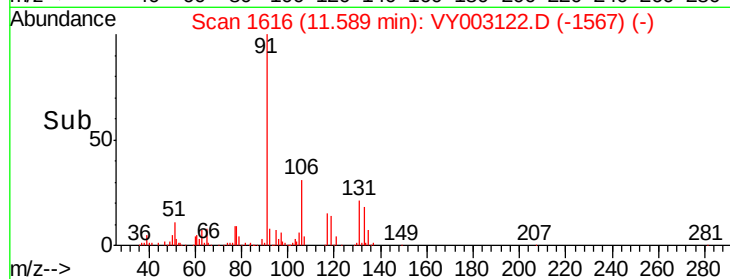
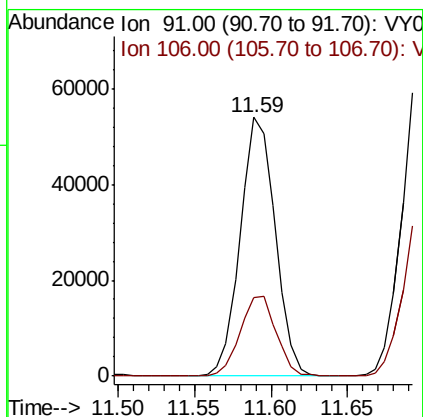
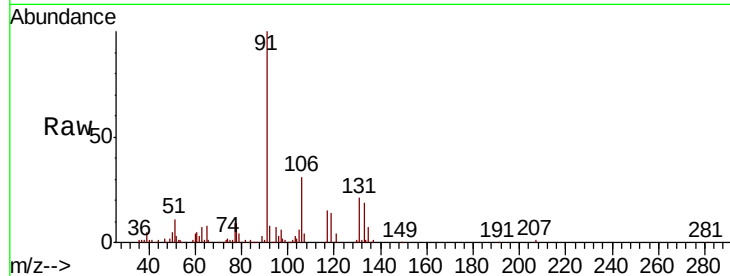




#67  
Ethyl Benzene  
Concen: 4.415 ug/l  
RT: 11.59 min Scan# 1616  
Delta R.T. -0.00 min  
Lab File: VY003122.D  
Acq: 07 Jul 2020 13:28

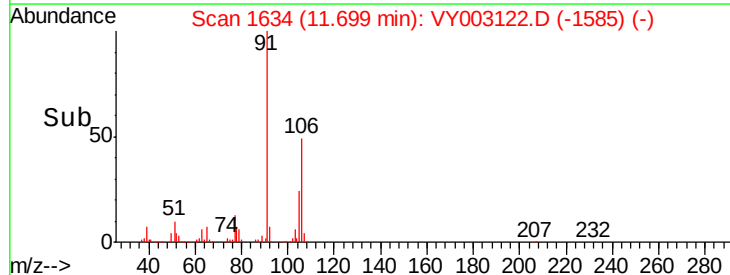
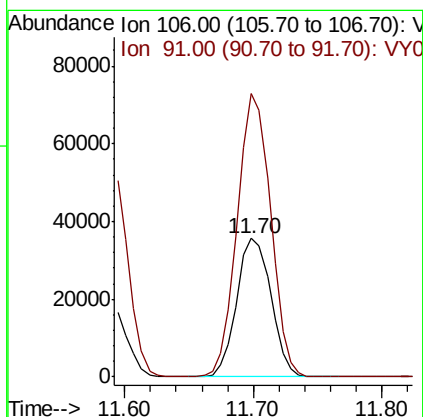
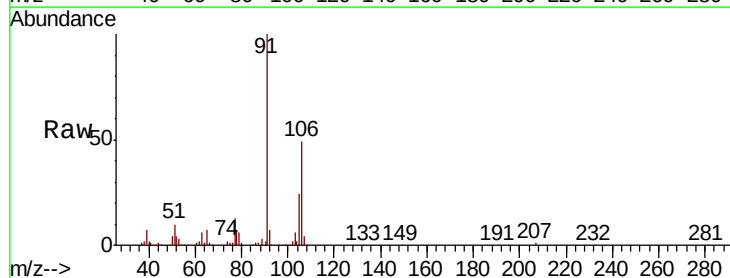
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

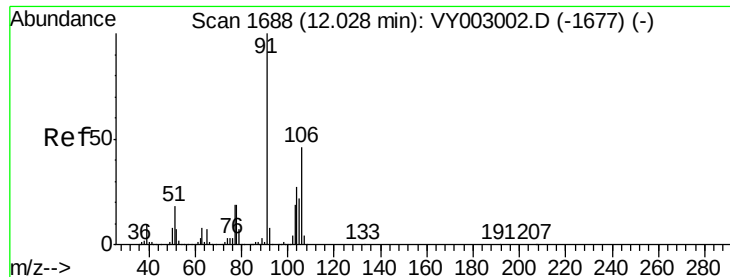
Tot Ion: 91 Resp: 86047  
Ion Ratio Lower Upper  
91 100  
106 30.5 25.0 37.4



#68  
m/p-Xylenes  
Concen: 9.106 ug/l  
RT: 11.70 min Scan# 1634  
Delta R.T. -0.00 min  
Lab File: VY003122.D  
Acq: 07 Jul 2020 13:28

Tgt Ion: 106 Resp: 66042  
Ion Ratio Lower Upper  
106 100  
91 199.1 161.9 242.9

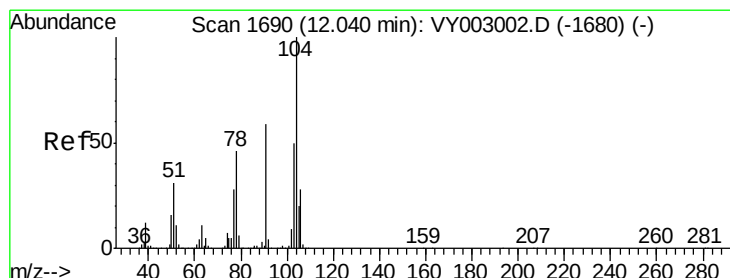
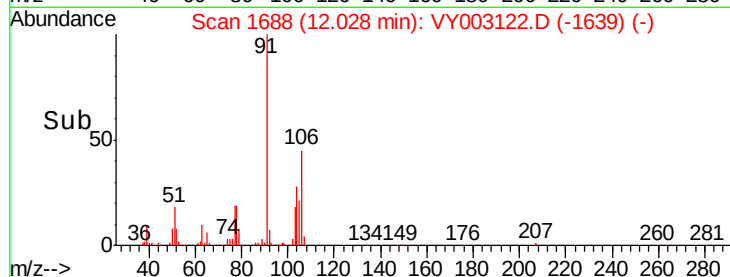
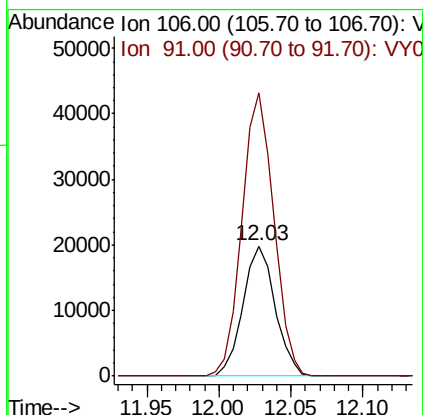
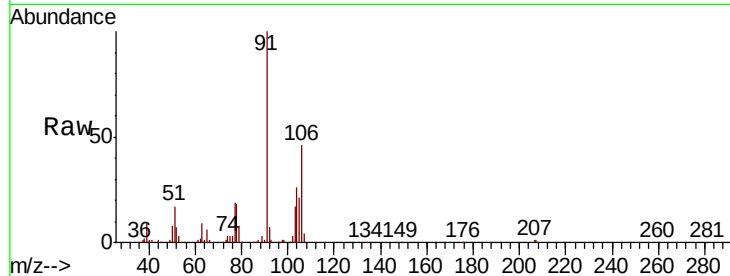




#69  
o-Xylene  
Concen: 4.503 ug/l  
RT: 12.03 min Scan# 1688  
Delta R.T. -0.00 min  
Lab File: VY003122.D  
Acq: 07 Jul 2020 13:28

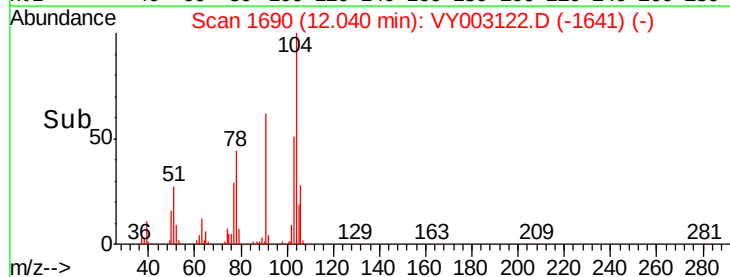
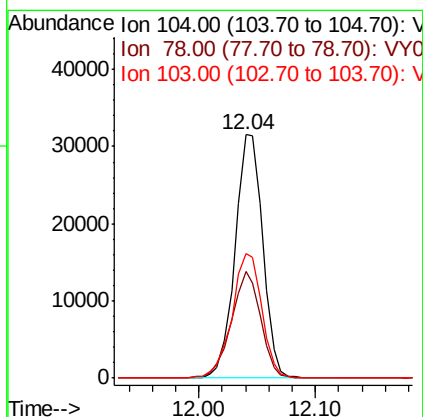
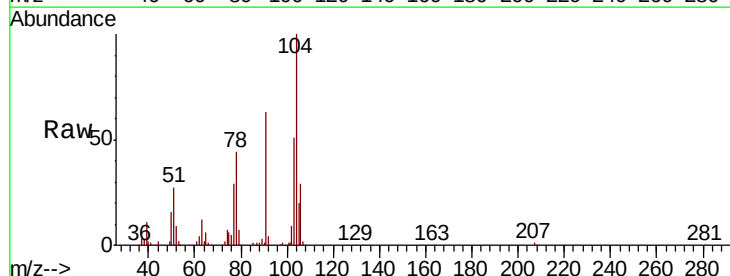
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

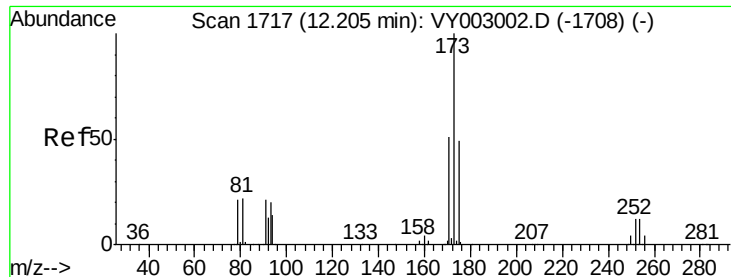
Tot Ion:106 Resp: 30778  
Ion Ratio Lower Upper  
106 100  
91 215.3 107.9 323.8



#70  
Styrene  
Concen: 4.475 ug/l  
RT: 12.04 min Scan# 1690  
Delta R.T. -0.00 min  
Lab File: VY003122.D  
Acq: 07 Jul 2020 13:28

Tgt Ion:104 Resp: 52247  
Ion Ratio Lower Upper  
104 100  
78 46.3 40.4 60.6  
103 54.8 44.1 66.1





#71

Bromoform

Concen: 4.578 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

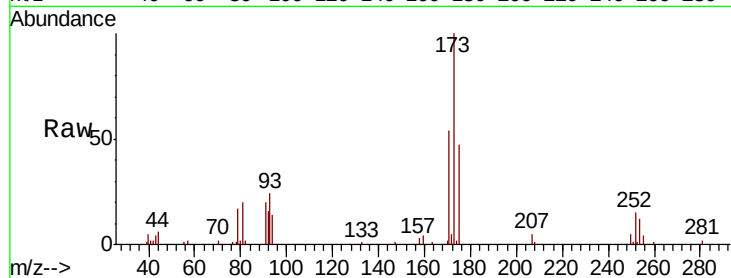
Tot Ion:173 Resp: 12694

Ion Ratio Lower Upper

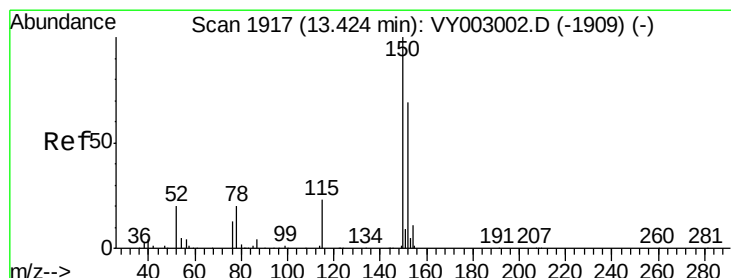
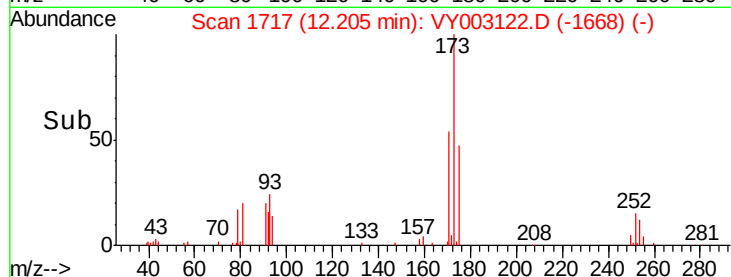
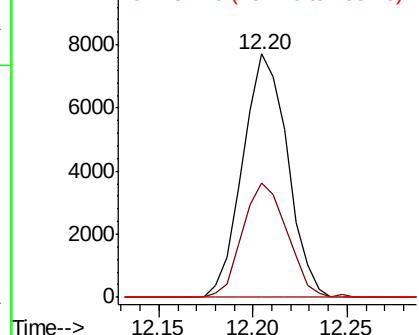
173 100

175 46.8 24.6 73.6

254 0.0 0.2 0.2#



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: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

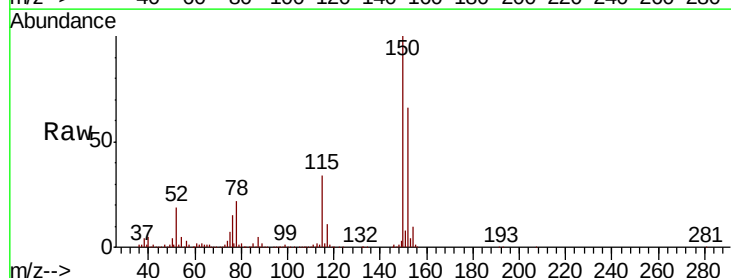
Tgt Ion:152 Resp: 296803

Ion Ratio Lower Upper

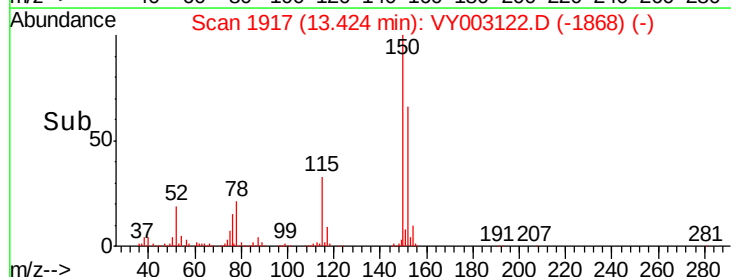
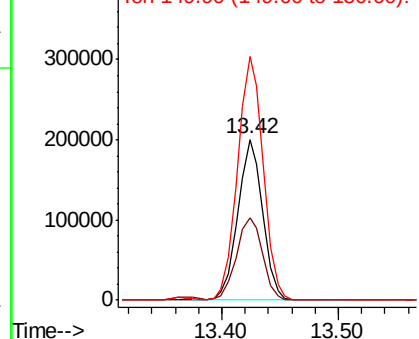
152 100

115 53.8 27.3 81.9

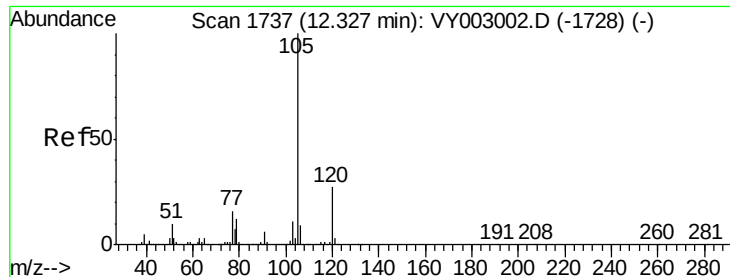
150 156.7 0.0 343.4



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: 4.344 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

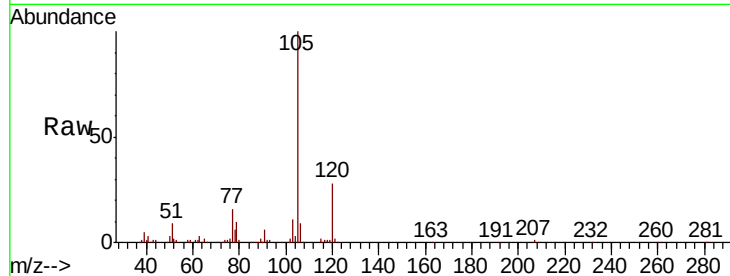
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 105 Resp: 84386

Ion Ratio Lower Upper

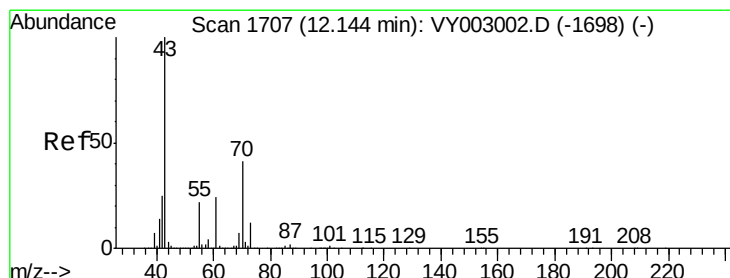
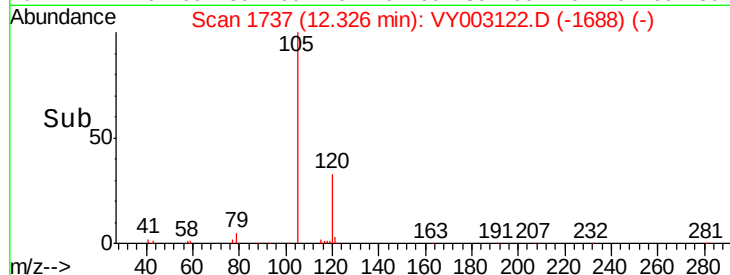
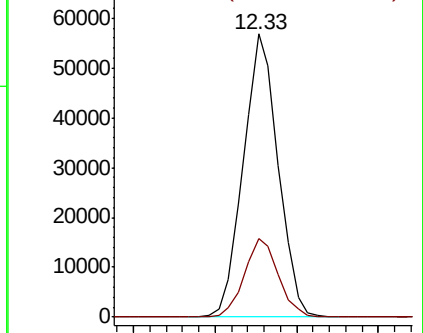
105 100

120 27.0 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 3.505 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Tgt Ion: 43 Resp: 22167

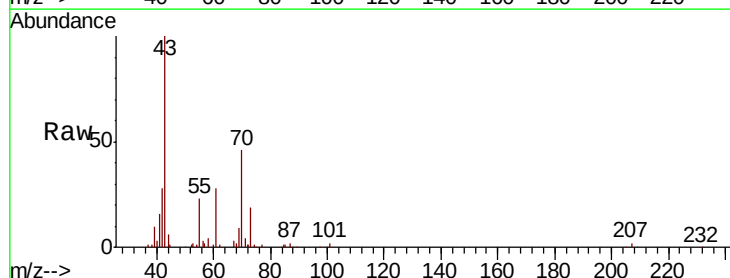
Ion Ratio Lower Upper

43 100

70 45.3 33.0 49.4

55 28.0 18.2 27.2#

61 26.7 19.4 29.2

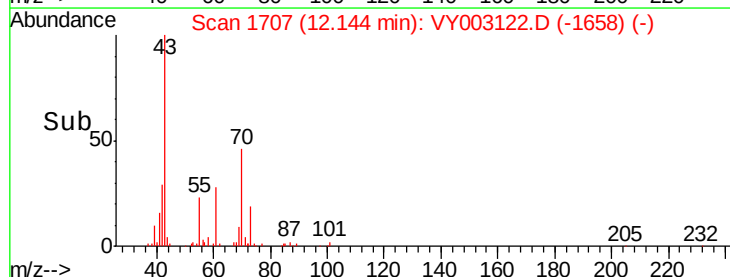
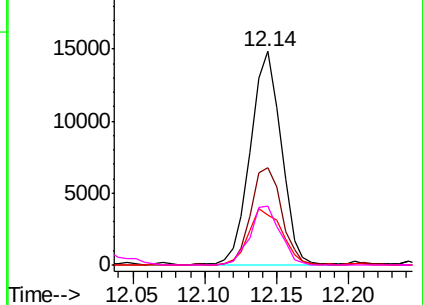


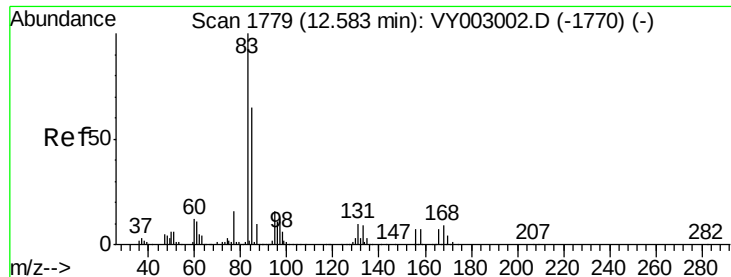
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 4.356 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

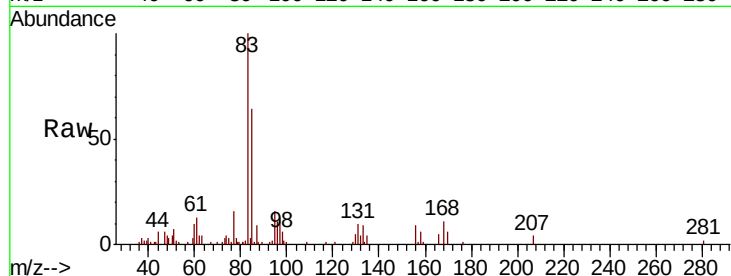
Tot Ion: 83 Resp: 17077

Ion Ratio Lower Upper

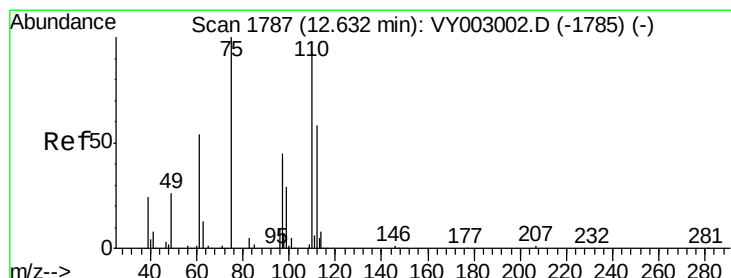
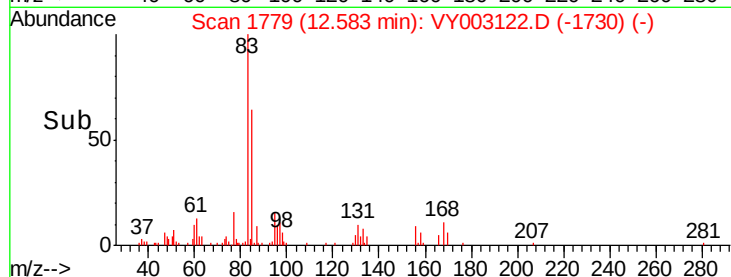
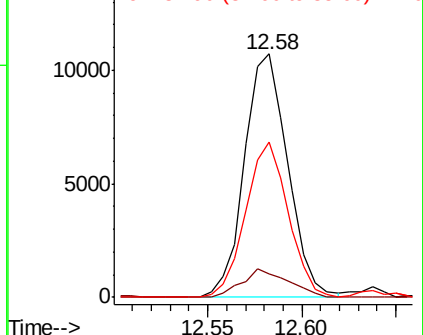
83 100

131 12.4 5.3 16.1

85 62.9 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VY0  
Ion 130.80 (130.50 to 131.50): VY0  
Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 8.030 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY003122.D

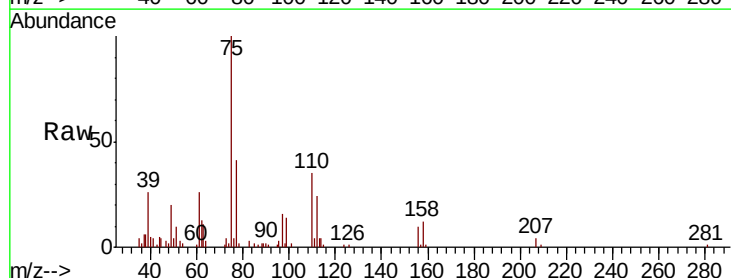
Acq: 07 Jul 2020 13:28

Tgt Ion: 75 Resp: 23588

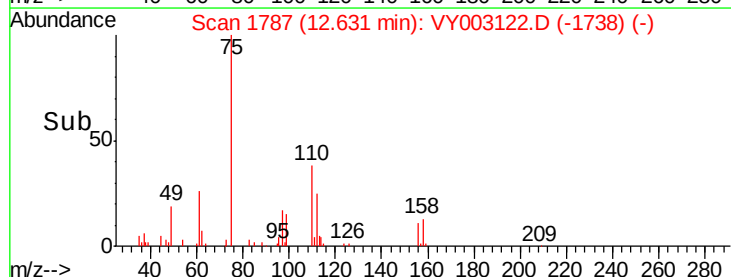
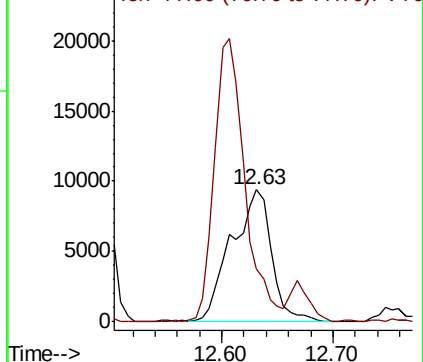
Ion Ratio Lower Upper

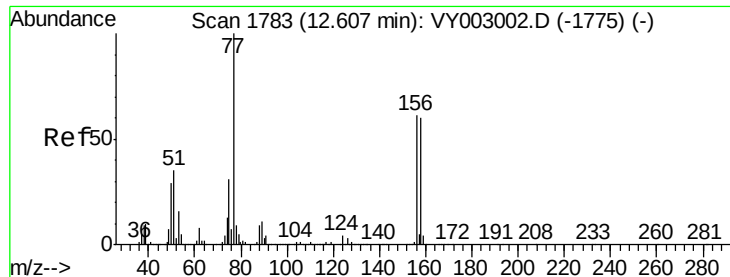
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0  
Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 4.592 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

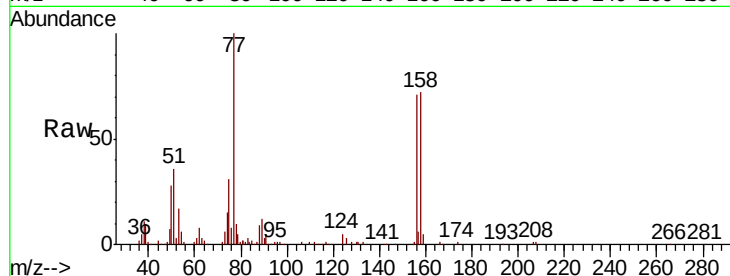
Tot Ion:156 Resp: 22868

Ion Ratio Lower Upper

156 100

77 167.7 90.0 270.0

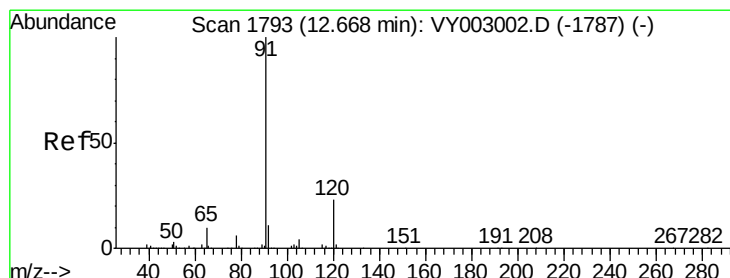
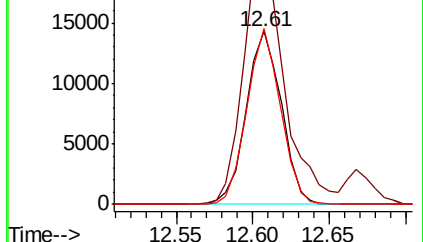
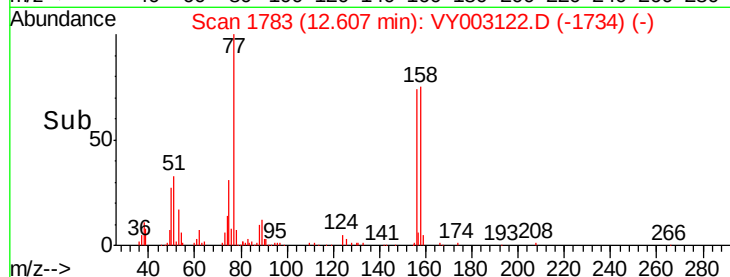
158 97.1 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.355 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY003122.D

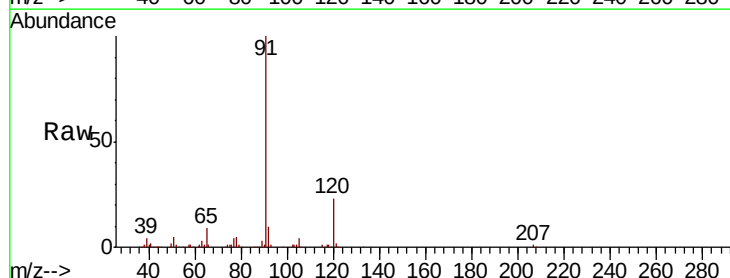
Acq: 07 Jul 2020 13:28

Tgt Ion: 91 Resp: 101743

Ion Ratio Lower Upper

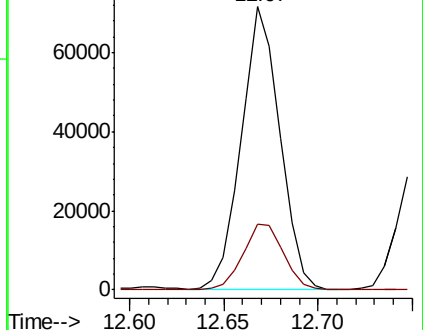
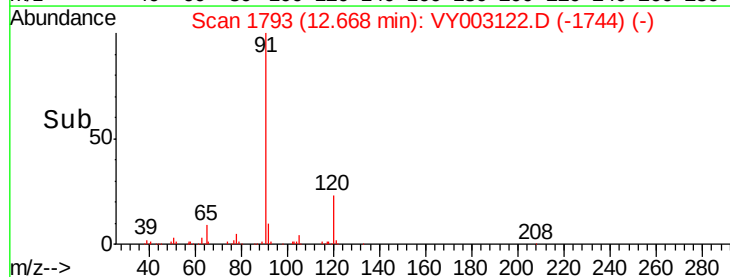
91 100

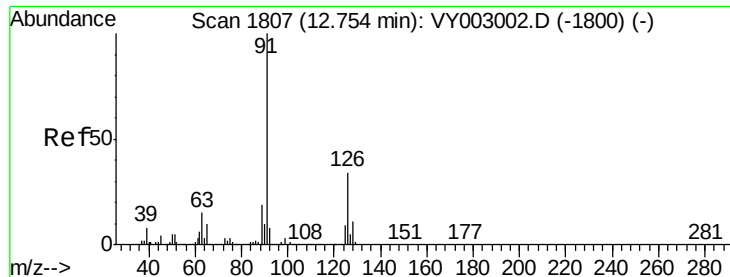
120 24.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

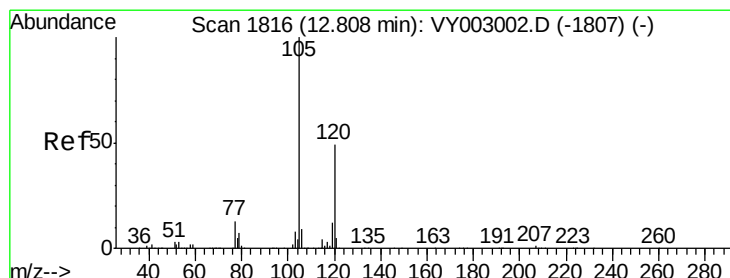
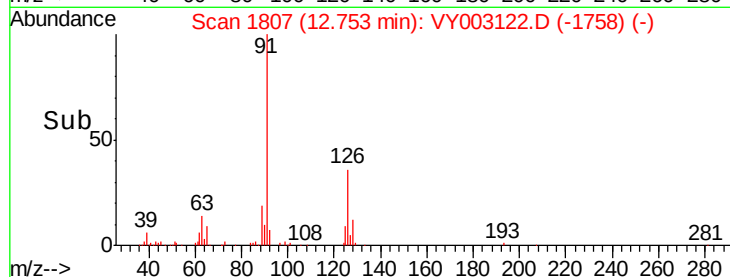
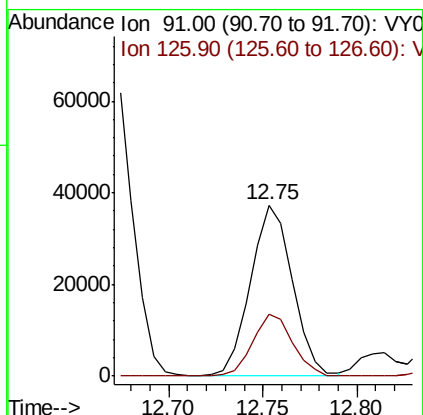
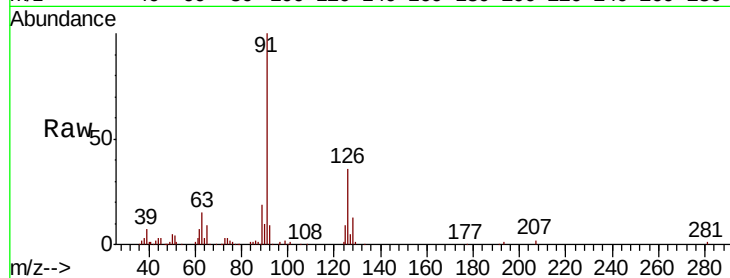




#79  
 2-Chlorotoluene  
 Concen: 4.414 ug/l  
 RT: 12.75 min Scan# 1807  
 Delta R.T. -0.00 min  
 Lab File: VY003122.D  
 Acq: 07 Jul 2020 13:28

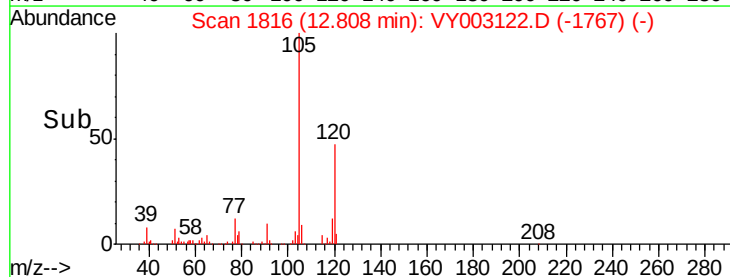
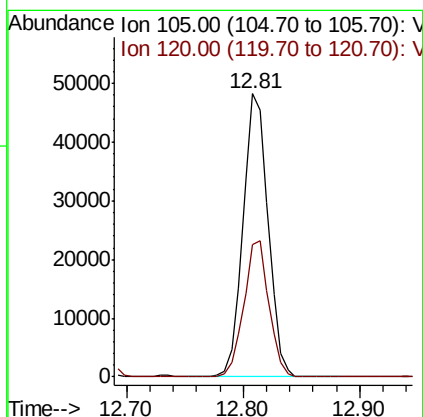
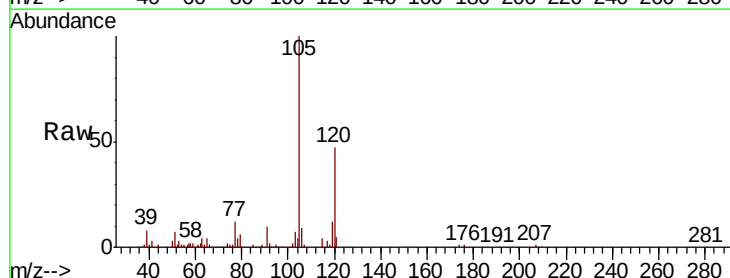
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2020

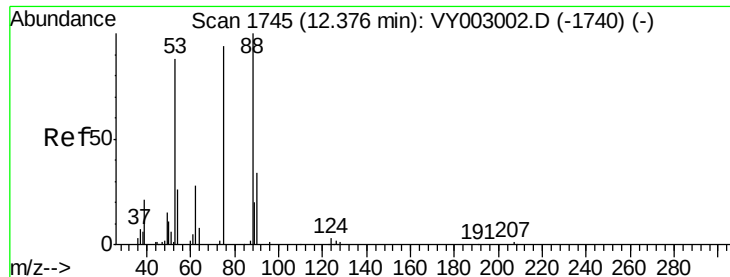
Tot Ion: 91 Resp: 57554  
 Ion Ratio Lower Upper  
 91 100  
 126 34.7 17.1 51.3



#80  
 1,3,5-Trimethylbenzene  
 Concen: 4.458 ug/l  
 RT: 12.81 min Scan# 1816  
 Delta R.T. -0.00 min  
 Lab File: VY003122.D  
 Acq: 07 Jul 2020 13:28

Tgt Ion: 105 Resp: 72664  
 Ion Ratio Lower Upper  
 105 100  
 120 47.9 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 3.948 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

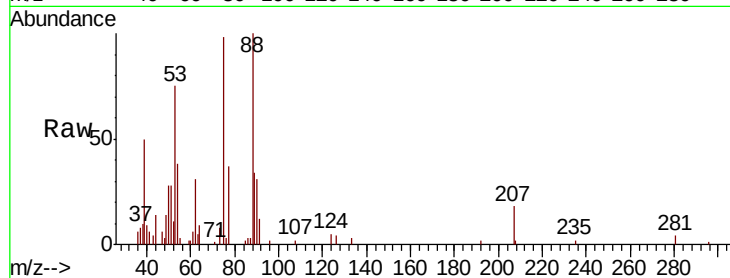
Tot Ion: 75 Resp: 5960

Ion Ratio Lower Upper

75 100

53 85.3 73.9 110.9

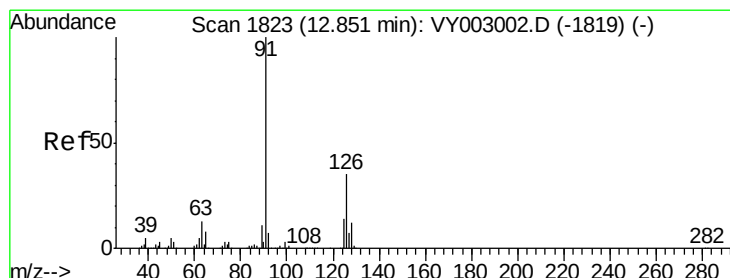
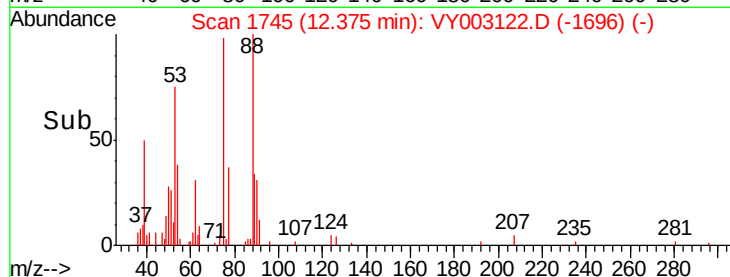
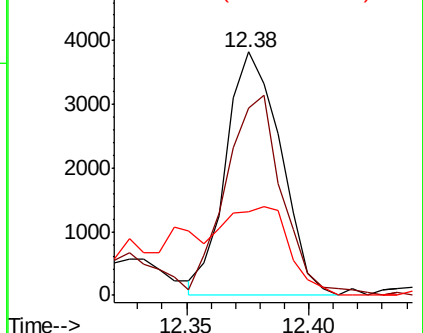
89 44.9 37.5 56.3



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 4.470 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VY003122.D

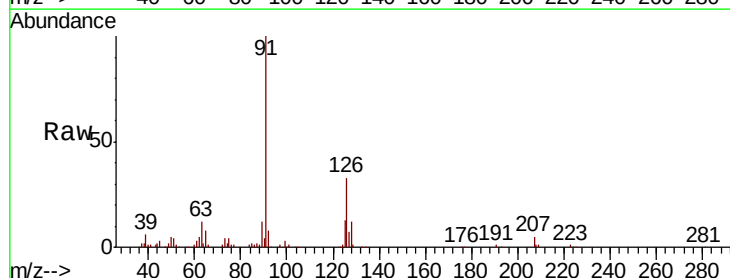
Acq: 07 Jul 2020 13:28

Tgt Ion: 91 Resp: 60679

Ion Ratio Lower Upper

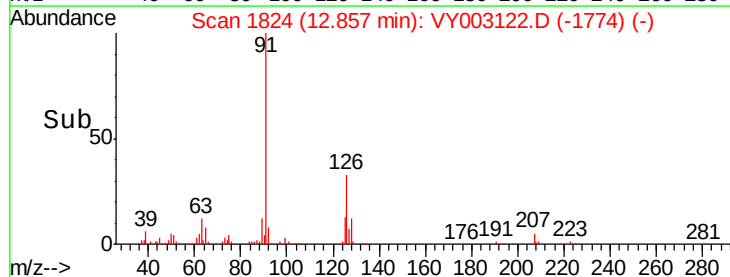
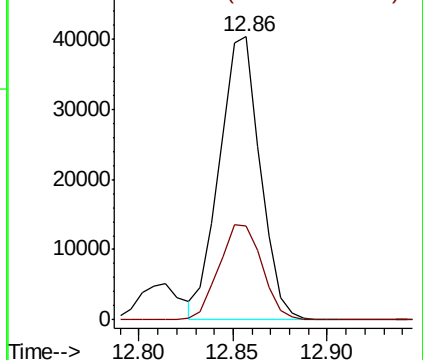
91 100

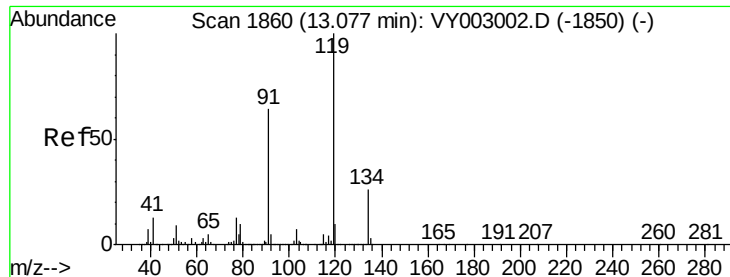
126 35.6 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 4.451 ug/l

RT: 13.07 min Scan# 1859

Delta R.T. -0.01 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

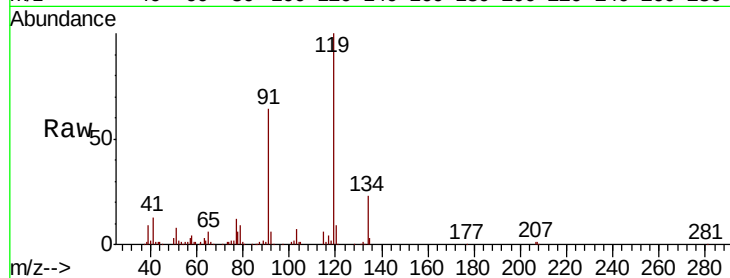
Tot Ion:119 Resp: 63709

Ion Ratio Lower Upper

119 100

91 61.5 31.6 95.0

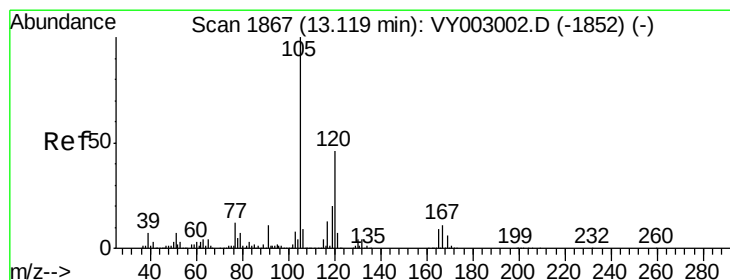
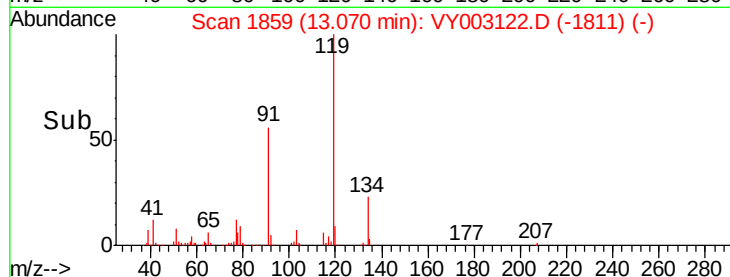
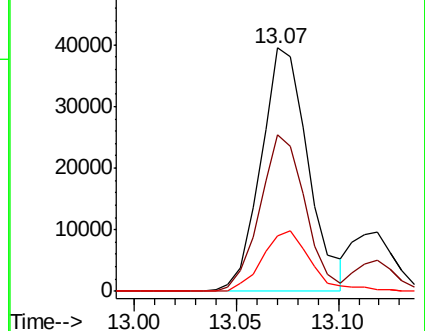
134 25.7 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 4.359 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY003122.D

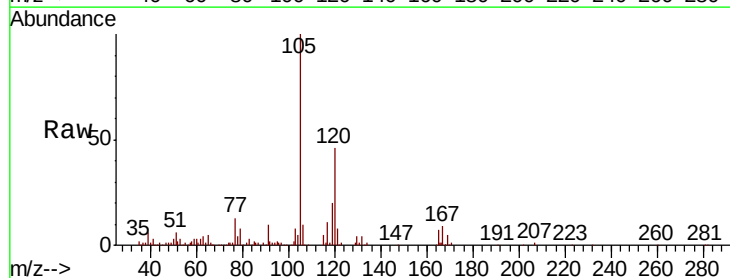
Acq: 07 Jul 2020 13:28

Tgt Ion:105 Resp: 71594

Ion Ratio Lower Upper

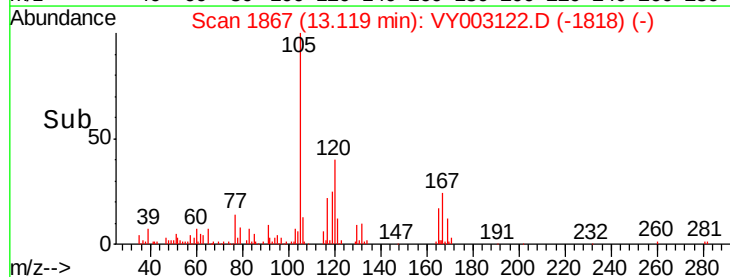
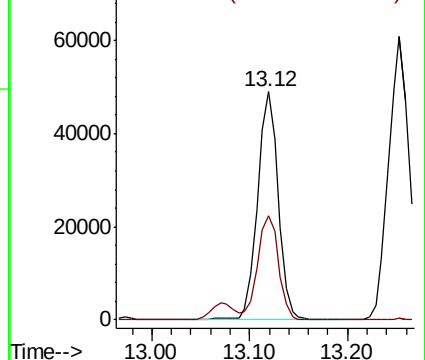
105 100

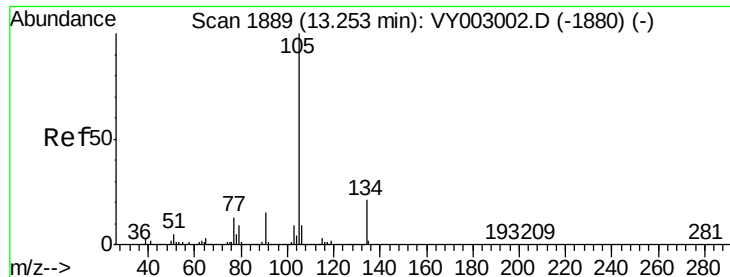
120 46.6 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 4.473 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

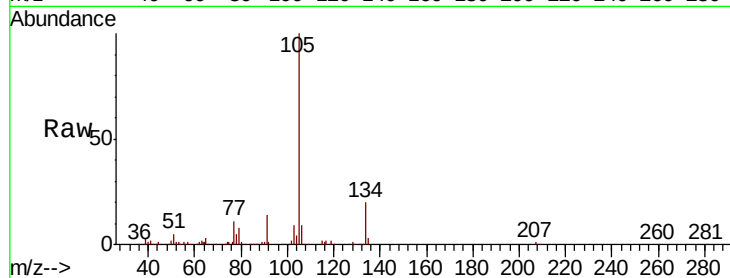
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:105 Resp: 88241

Ion Ratio Lower Upper

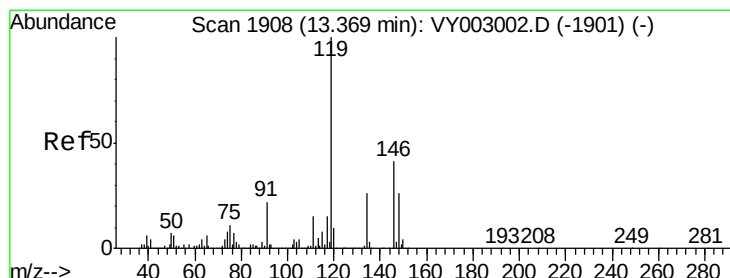
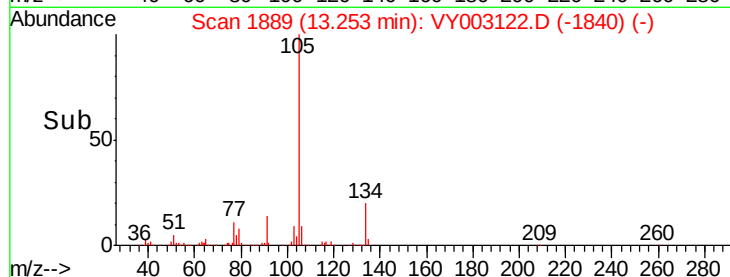
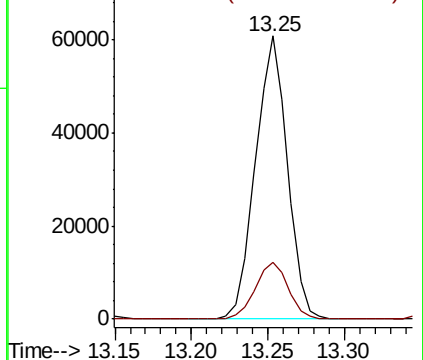
105 100

134 20.8 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.370 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

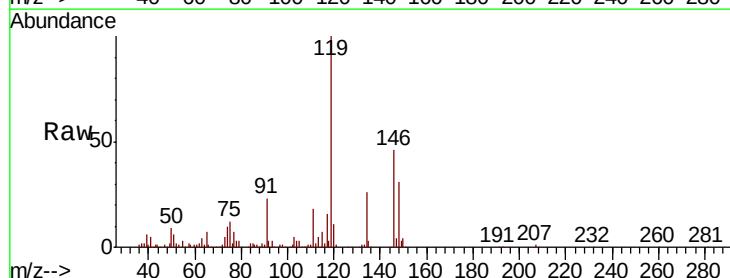
Tgt Ion:119 Resp: 79887

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

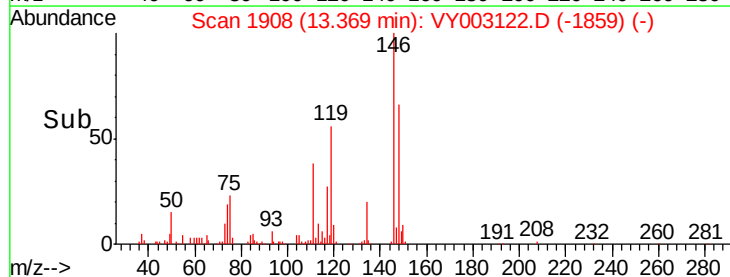
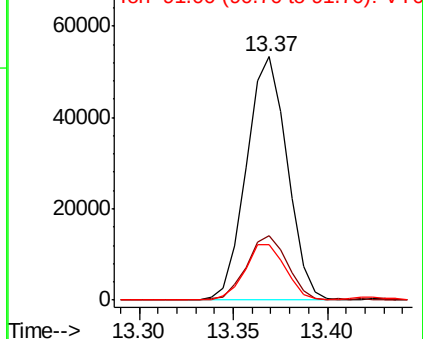
91 23.0 11.5 34.5

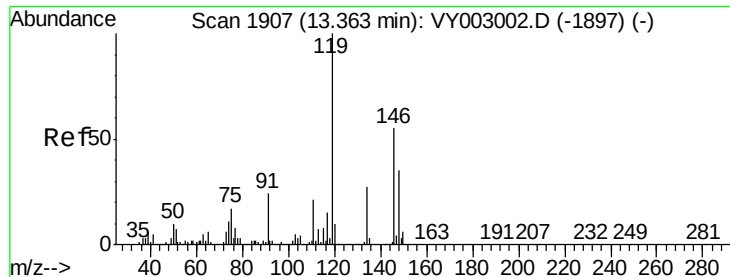


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

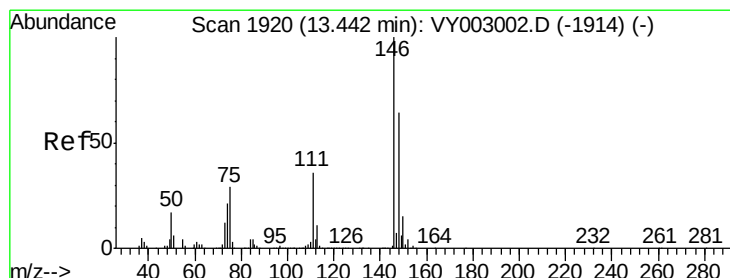
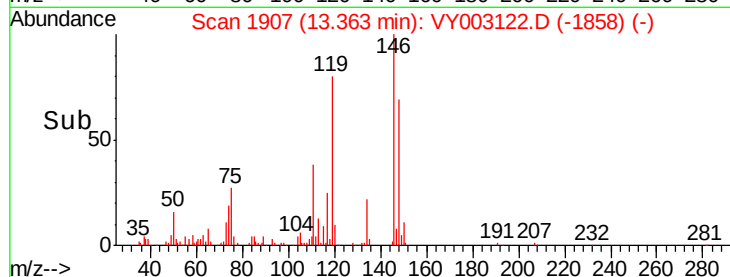
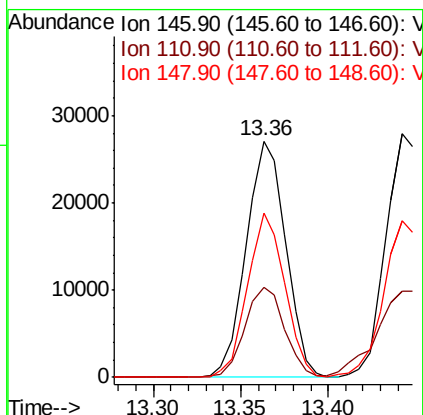
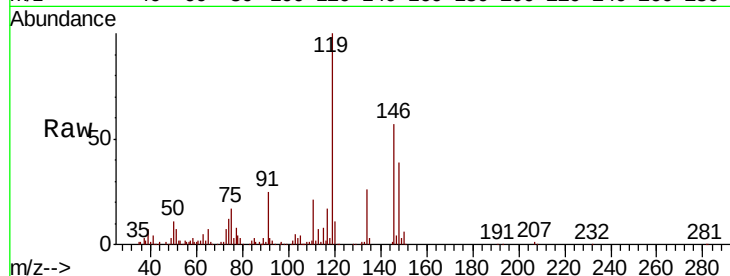




#87  
 1,3-Dichlorobenzene  
 Concen: 4.587 ug/l  
 RT: 13.36 min Scan# 1907  
 Delta R.T. -0.00 min  
 Lab File: VY003122.D  
 Acq: 07 Jul 2020 13:28

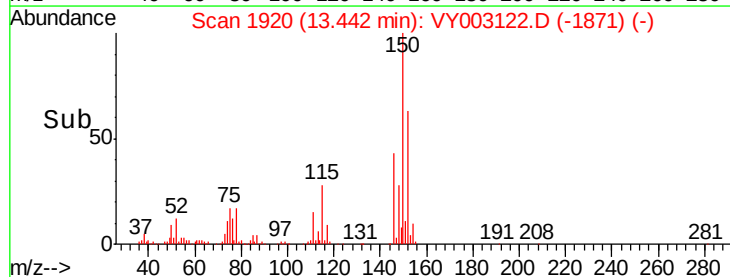
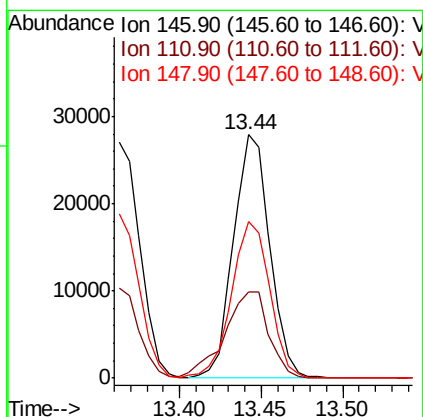
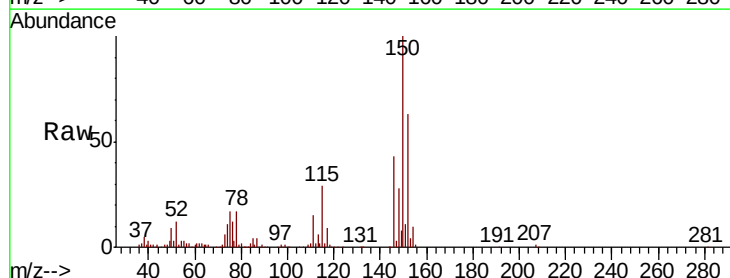
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion:146 Resp: 42649  
 Ion Ratio Lower Upper  
 146 100  
 111 38.1 18.8 56.3  
 148 65.4 31.8 95.3

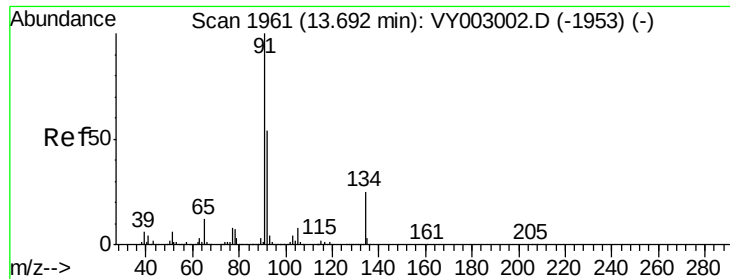


#88  
 1,4-Dichlorobenzene  
 Concen: 4.725 ug/l  
 RT: 13.44 min Scan# 1920  
 Delta R.T. -0.00 min  
 Lab File: VY003122.D  
 Acq: 07 Jul 2020 13:28

Tgt Ion:146 Resp: 43326  
 Ion Ratio Lower Upper  
 146 100  
 111 43.5 18.4 55.4  
 148 67.9 32.3 96.9



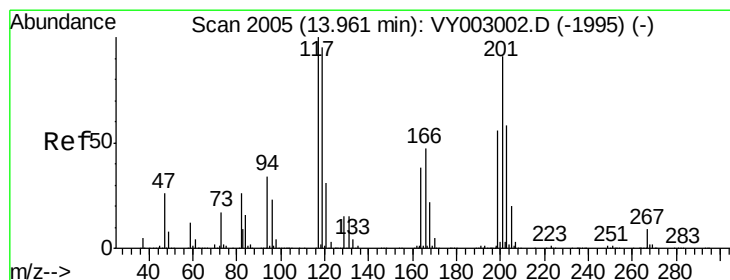
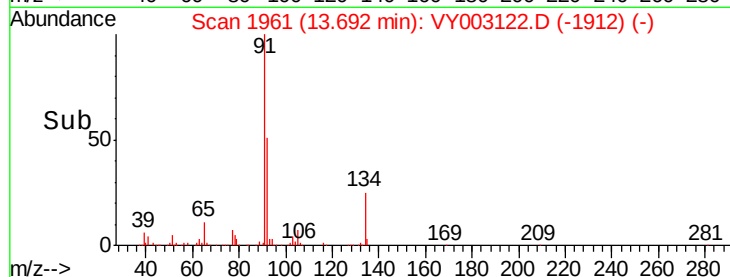
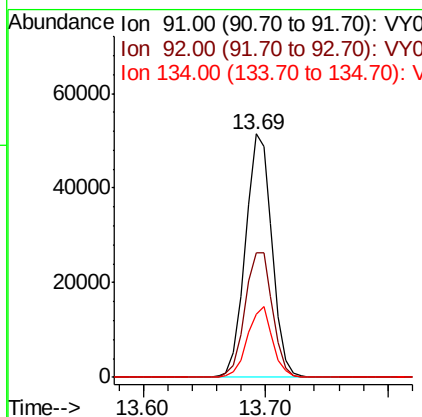
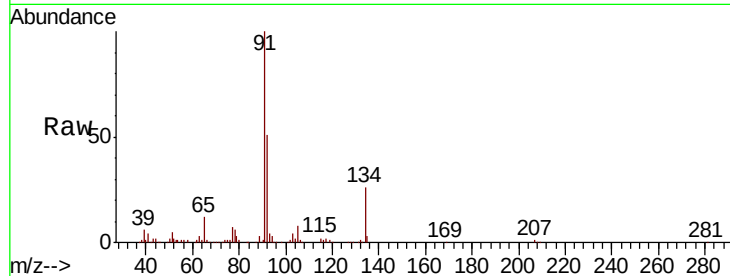




#89  
n-Butylbenzene  
Concen: 4.411 ug/l  
RT: 13.69 min Scan# 1961  
Delta R.T. -0.00 min  
Lab File: VY003122.D  
Acq: 07 Jul 2020 13:28

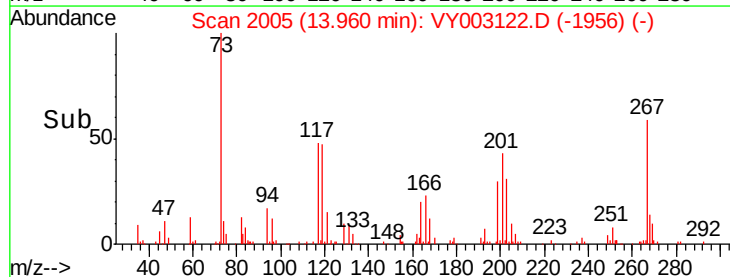
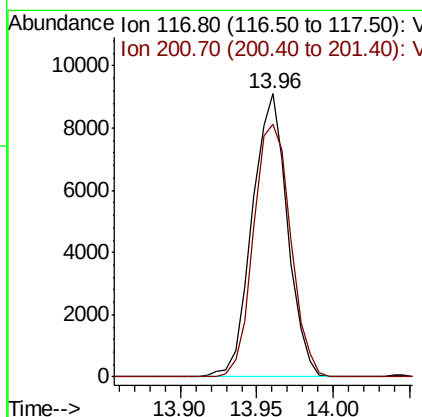
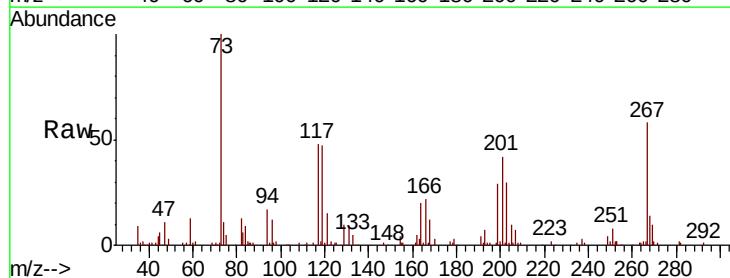
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

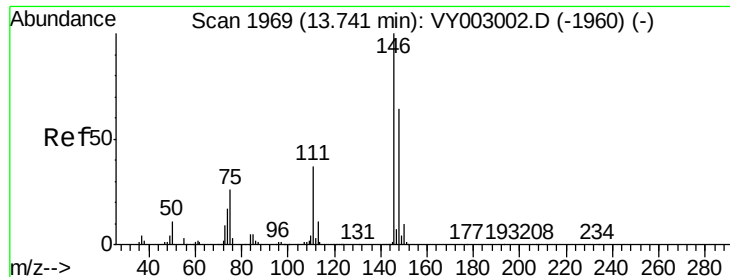
Tot Ion: 91 Resp: 77141  
Ion Ratio Lower Upper  
91 100  
92 53.4 26.8 80.3  
134 27.4 13.1 39.1



#90  
Hexachloroethane  
Concen: 4.021 ug/l  
RT: 13.96 min Scan# 2005  
Delta R.T. -0.00 min  
Lab File: VY003122.D  
Acq: 07 Jul 2020 13:28

Tgt Ion: 117 Resp: 14596  
Ion Ratio Lower Upper  
117 100  
201 93.9 45.5 136.4





#91

1,2-Dichlorobenzene

Concen: 4.589 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

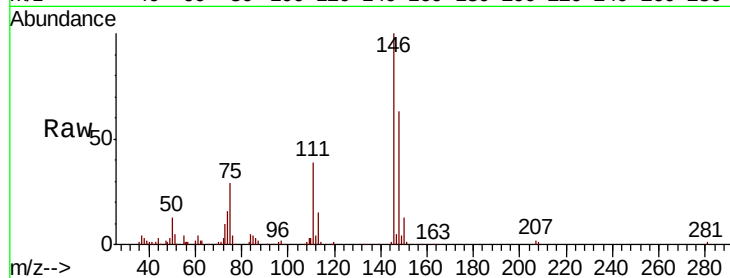
Tot Ion:146 Resp: 38280

Ion Ratio Lower Upper

146 100

111 40.3 19.1 57.5

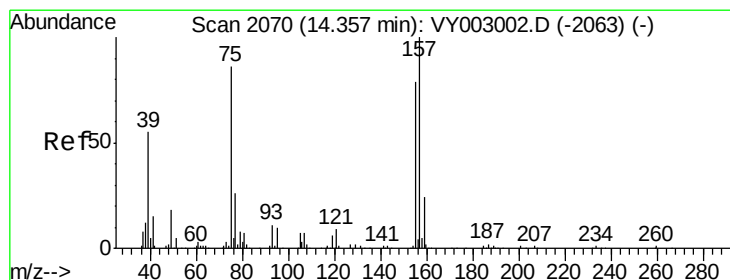
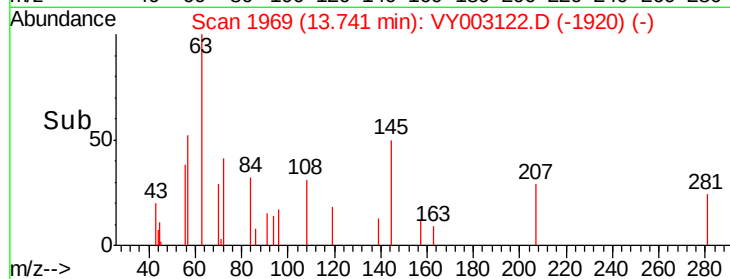
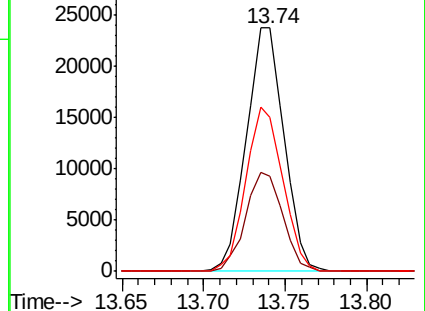
148 65.9 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.535 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

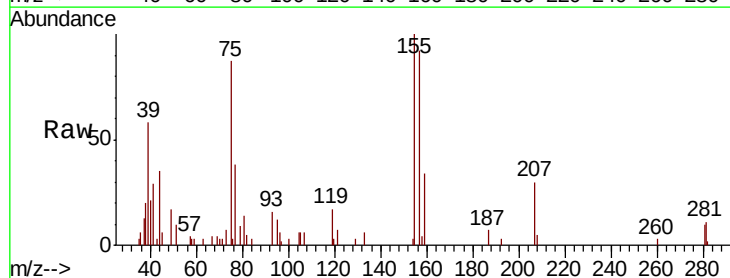
Tgt Ion: 75 Resp: 3147

Ion Ratio Lower Upper

75 100

155 97.0 46.5 139.3

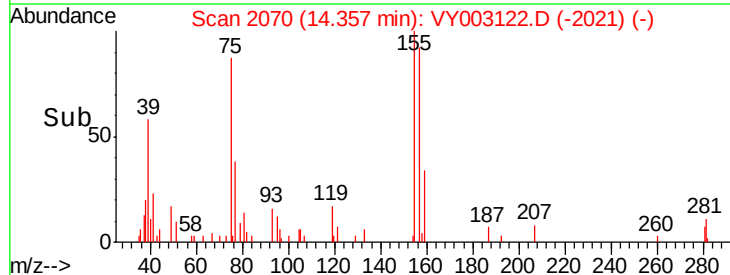
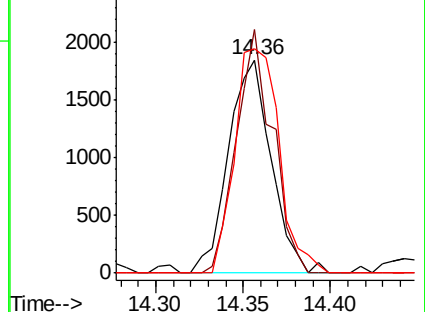
157 109.6 59.2 177.5

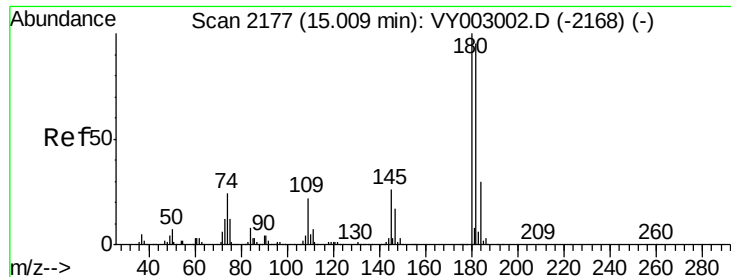


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

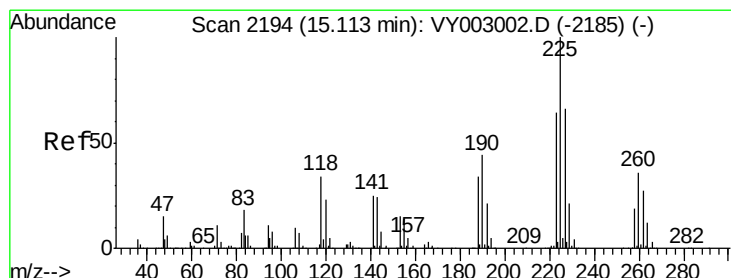
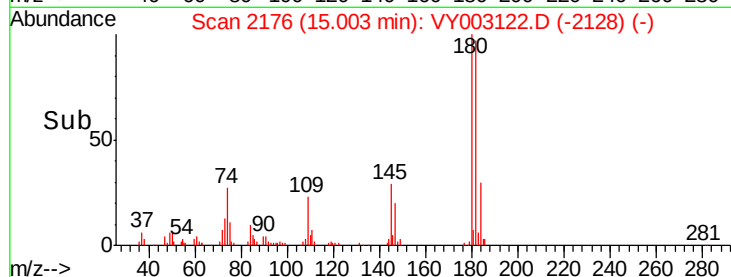
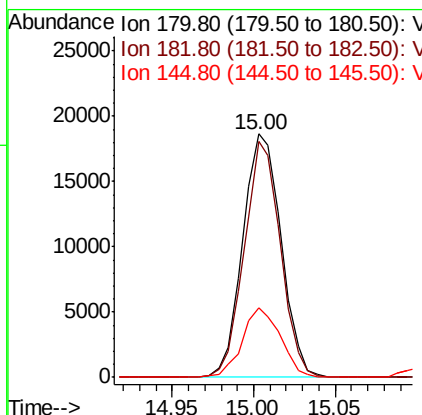
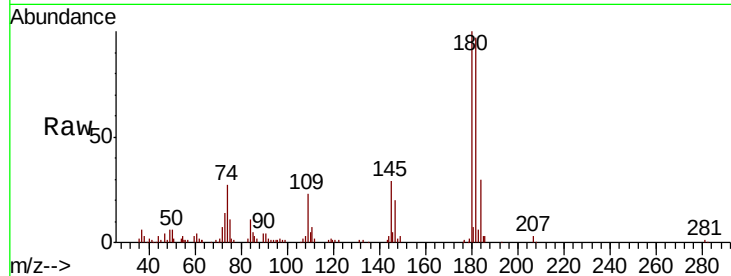




#93  
 1,2,4-Trichlorobenzene  
 Concen: 4.937 ug/l  
 RT: 15.00 min Scan# 2176  
 Delta R.T. -0.01 min  
 Lab File: VY003122.D  
 Acq: 07 Jul 2020 13:28

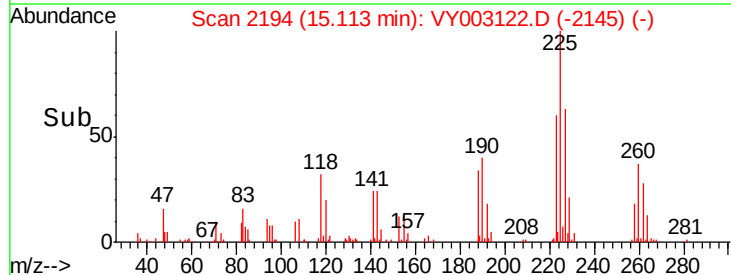
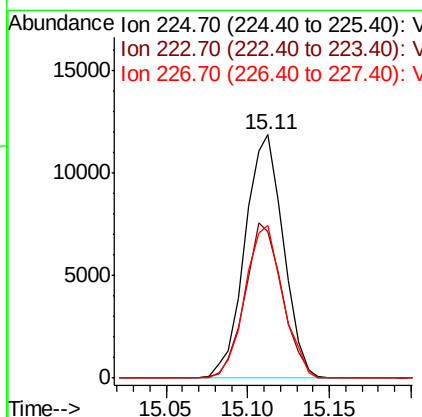
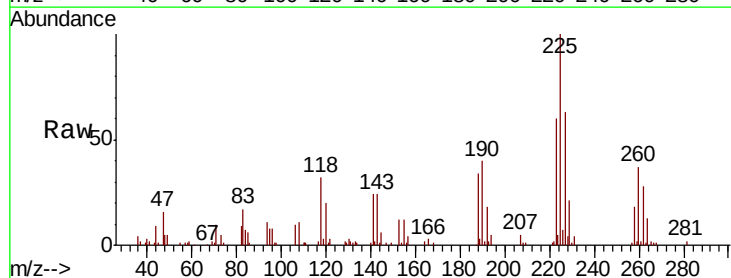
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2020

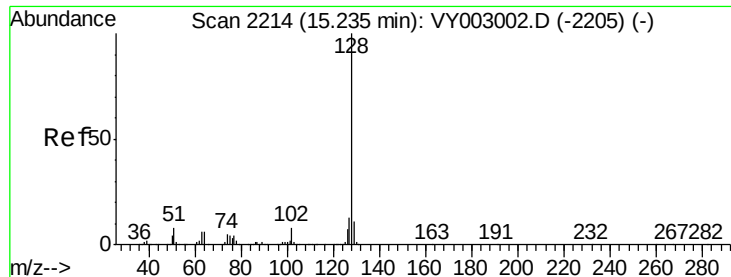
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 91.0  | 48.1  | 144.3 |
| 145     | 28.3  | 13.9  | 41.6  |



#94  
 Hexachlorobutadiene  
 Concen: 4.964 ug/l  
 RT: 15.11 min Scan# 2194  
 Delta R.T. -0.00 min  
 Lab File: VY003122.D  
 Acq: 07 Jul 2020 13:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.0  | 32.4  | 97.0  |
| 227     | 61.8  | 32.4  | 97.2  |

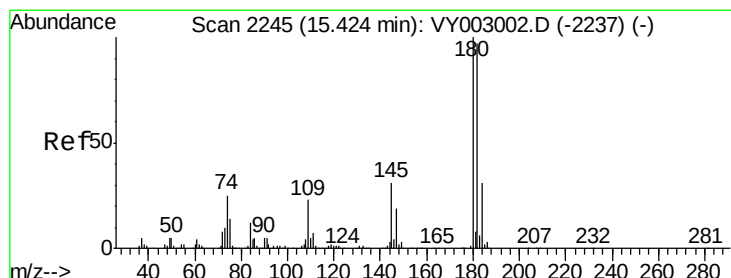
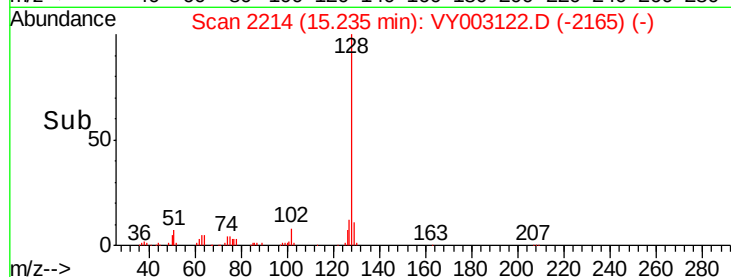
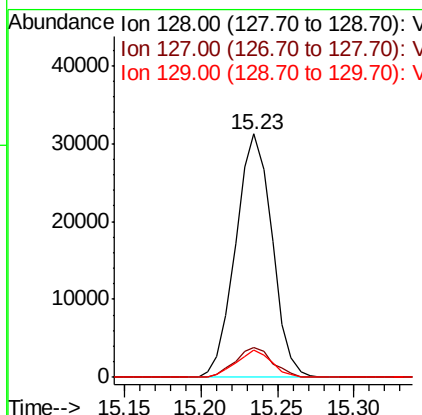
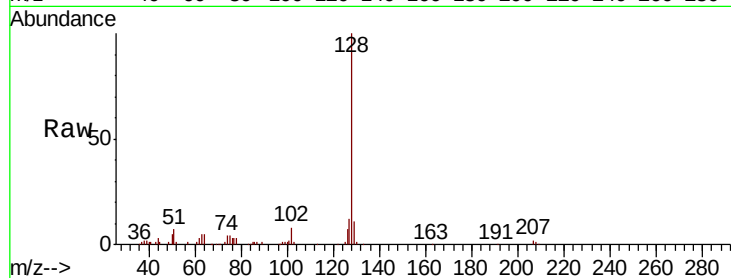




#95  
Naphthalene  
Concen: 4.558 ug/l  
RT: 15.23 min Scan# 2214  
Delta R.T. -0.00 min  
Lab File: VY003122.D  
Acq: 07 Jul 2020 13:28

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:128 Resp: 51608  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.8 16.2  
129 10.8 8.8 13.2



#96  
1,2,3-Trichlorobenzene  
Concen: 4.635 ug/l  
RT: 15.42 min Scan# 2244  
Delta R.T. -0.01 min  
Lab File: VY003122.D  
Acq: 07 Jul 2020 13:28

Tgt Ion:180 Resp: 24947  
Ion Ratio Lower Upper  
180 100  
182 96.2 47.8 143.3  
145 29.7 14.7 44.1

