

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110220\  
 Data File : VY003473.D  
 Acq On : 02 Nov 2020 15:26  
 Operator : SY/MD  
 Sample : L4214-02 5PPBL00  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOQ-SOIL-02-QT4-2020

Quant Time: Nov 03 02:39:22 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y110220S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 03 02:36:44 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 232141   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 338142   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 300054   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 150698   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 125345   | 52.67 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.34% |          |
| 35) Dibromofluoromethane    | 7.73  | 113  | 105904   | 51.47 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.94% |          |
| 50) Toluene-d8              | 10.18 | 98   | 434544   | 50.76 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.52% |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 141094   | 49.75 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.50%  |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units  | Qvalue |
|-------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.91 | 85   | 10033    | 5.462  | ug/l   | 100    |
| 3) Chloromethane              | 2.12 | 50   | 13401    | 5.542  | ug/l   | 98     |
| 4) Vinyl Chloride             | 2.26 | 62   | 15267    | 5.625  | ug/l   | 100    |
| 5) Bromomethane               | 2.66 | 94   | 12721    | 5.610  | ug/l   | 94     |
| 6) Chloroethane               | 2.80 | 64   | 9032     | 5.583  | ug/l   | 92     |
| 7) Trichlorofluoromethane     | 3.14 | 101  | 19955    | 5.792  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.54 | 74   | 5855     | 5.542  | ug/l   | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.91 | 101  | 10330    | 5.425  | ug/l   | 99     |
| 10) Methyl Iodide             | 4.10 | 142  | 8945     | 5.693  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 4.96 | 59   | 10591    | 39.417 | ug/l # | 83     |
| 12) 1,1-Dichloroethene        | 3.88 | 96   | 10762    | 5.681  | ug/l   | 91     |
| 13) Acrolein                  | 3.74 | 56   | 5977     | 30.263 | ug/l   | 96     |
| 14) Allyl chloride            | 4.49 | 41   | 18846    | 5.452  | ug/l   | 99     |
| 15) Acrylonitrile             | 5.18 | 53   | 15703    | 27.845 | ug/l   | 100    |
| 16) Acetone                   | 3.96 | 43   | 18400    | 23.437 | ug/l   | 96     |
| 17) Carbon Disulfide          | 4.21 | 76   | 34166    | 5.567  | ug/l   | 98     |
| 18) Methyl Acetate            | 4.50 | 43   | 8902     | 6.000  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 5.24 | 73   | 24732    | 5.271  | ug/l   | 97     |
| 20) Methylene Chloride        | 4.73 | 84   | 16101    | 7.282  | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene  | 5.24 | 96   | 12170    | 5.548  | ug/l   | 99     |
| 22) Diisopropyl ether         | 6.13 | 45   | 32327    | 5.332  | ug/l   | 90     |
| 23) Vinyl Acetate             | 6.08 | 43   | 116466   | 25.565 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 6.03 | 63   | 21235    | 5.512  | ug/l   | 98     |
| 25) 2-Butanone                | 7.00 | 43   | 24205    | 24.651 | ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 7.00 | 77   | 20127    | 5.608  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 7.00 | 96   | 13194    | 5.550  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.35 | 49   | 9461     | 4.882  | ug/l   | 97     |
| 29) Tetrahydrofuran           | 7.36 | 42   | 14203    | 27.682 | ug/l   | 97     |
| 30) Chloroform                | 7.52 | 83   | 20608    | 5.446  | ug/l   | 95     |
| 31) Cyclohexane               | 7.79 | 56   | 22623    | 6.342  | ug/l # | 79     |
| 32) 1,1,1-Trichloroethane     | 7.71 | 97   | 19469    | 5.515  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.93 | 75   | 17641    | 5.533  | ug/l   | 98     |
| 37) Ethyl Acetate             | 7.08 | 43   | 11268    | 5.692  | ug/l   | 98     |
| 38) Carbon Tetrachloride      | 7.91 | 117  | 17167    | 5.190  | ug/l   | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110220\  
 Data File : VY003473.D  
 Acq On : 02 Nov 2020 15:26  
 Operator : SY/MD  
 Sample : L4214-02 5PPBL00  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOQ-SOIL-02-QT4-2020

Quant Time: Nov 03 02:39:22 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y110220S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 03 02:36:44 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.19  | 83   | 18598    | 5.239   | ug/l   | 96       |
| 40) Benzene                    | 8.17  | 78   | 47579    | 5.363   | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.32  | 41   | 6559     | 6.204   | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.25  | 62   | 15091    | 5.428   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.28  | 43   | 18764    | 5.274   | ug/l   | 98       |
| 44) Trichloroethene            | 8.94  | 130  | 13577    | 5.451   | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 9.22  | 63   | 12022    | 5.366   | ug/l   | 99       |
| 46) Dibromomethane             | 9.31  | 93   | 6553     | 5.316   | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.50  | 83   | 15805    | 5.239   | ug/l # | 98       |
| 48) Methyl methacrylate        | 9.30  | 41   | 8325     | 4.967   | ug/l   | 95       |
| 49) 1,4-Dioxane                | 9.31  | 88   | 1665     | 108.252 | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone       | 10.07 | 43   | 48717    | 25.700  | ug/l   | 99       |
| 52) Toluene                    | 10.25 | 92   | 29570    | 5.329   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.47 | 75   | 16682    | 5.196   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 9.93  | 75   | 18649    | 5.162   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane      | 10.64 | 97   | 9566     | 5.467   | ug/l   | 94       |
| 56) Ethyl methacrylate         | 10.51 | 69   | 11627    | 4.961   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.79 | 76   | 15831    | 5.203   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.78  | 63   | 29702    | 24.998  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.83 | 43   | 34353    | 24.476  | ug/l   | 98       |
| 60) Dibromochloromethane       | 10.99 | 129  | 10852    | 5.046   | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 11.09 | 107  | 8790     | 5.203   | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.72 | 164  | 12584    | 5.616   | ug/l   | 95       |
| 65) Chlorobenzene              | 11.52 | 112  | 31057    | 5.328   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.59 | 131  | 11726    | 5.334   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.60 | 91   | 55099    | 5.213   | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.70 | 106  | 41300    | 10.311  | ug/l   | 99       |
| 69) o-Xylene                   | 12.03 | 106  | 18606    | 5.050   | ug/l   | 99       |
| 70) Styrene                    | 12.05 | 104  | 31406    | 5.020   | ug/l   | 98       |
| 71) Bromoform                  | 12.21 | 173  | 7459     | 5.090   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.33 | 105  | 52662    | 5.350   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.14 | 43   | 14426    | 5.174   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.58 | 83   | 11665    | 5.548   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.63 | 75   | 15583    | 9.773   | ug/l # | 100      |
| 77) Bromobenzene               | 12.61 | 156  | 13129    | 5.249   | ug/l   | 94       |
| 78) n-propylbenzene            | 12.67 | 91   | 61436    | 5.298   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.75 | 91   | 35182    | 5.431   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.81 | 105  | 43750    | 5.364   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75   | 4033     | 5.279   | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 12.85 | 91   | 37694    | 5.568   | ug/l   | 97       |
| 83) tert-Butylbenzene          | 13.08 | 119  | 38603    | 5.337   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.12 | 105  | 42506    | 5.214   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.25 | 105  | 52306    | 5.340   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.37 | 119  | 47268    | 5.204   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.36 | 146  | 24687    | 5.298   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.44 | 146  | 25507    | 5.505   | ug/l   | 93       |
| 89) n-Butylbenzene             | 13.69 | 91   | 43512    | 5.244   | ug/l   | 99       |
| 90) Hexachloroethane           | 13.96 | 117  | 8310     | 5.436   | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene        | 13.74 | 146  | 22743    | 5.495   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.36 | 75   | 2208     | 5.801   | ug/l   | 93       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY110220\  
Data File : VY003473.D  
Acq On : 02 Nov 2020 15:26  
Operator : SY/MD  
Sample : L4214-02 5PPBL00  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 16 Sample Multiplier: 1

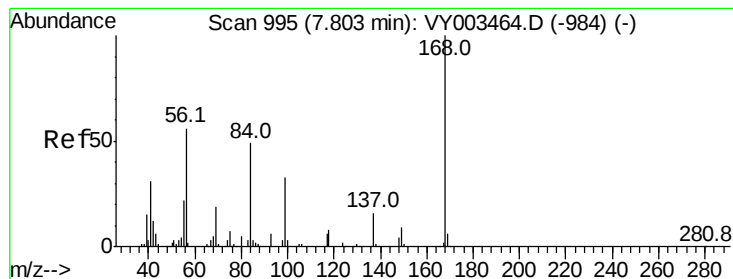
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

Quant Time: Nov 03 02:39:22 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y110220S.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 03 02:36:44 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.00 | 180  | 16565    | 5.658 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.11 | 225  | 10917    | 5.796 | ug/l  | 99       |
| 95) Naphthalene            | 15.23 | 128  | 30691    | 5.235 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.42 | 180  | 13886    | 5.273 | ug/l  | 97       |

(#) = 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. -0.01 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

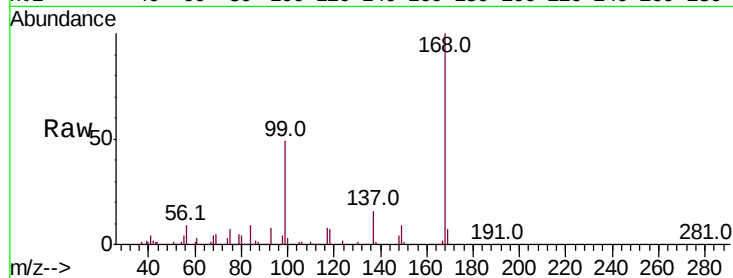
LOQ-SOIL-02-QT4-2020

Tot Ion:168 Resp: 232141

Ion Ratio Lower Upper

168 100

99 49.2 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): VY003464.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY003464.D (-984) (-)

7.80

120000

100000

80000

60000

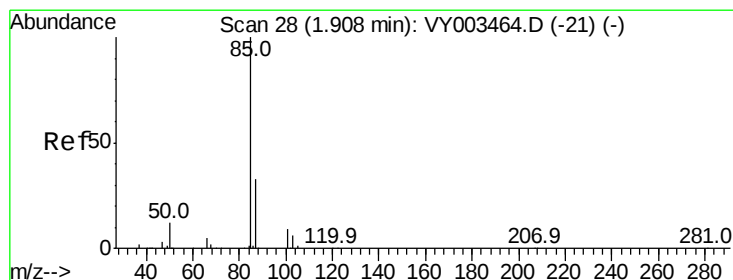
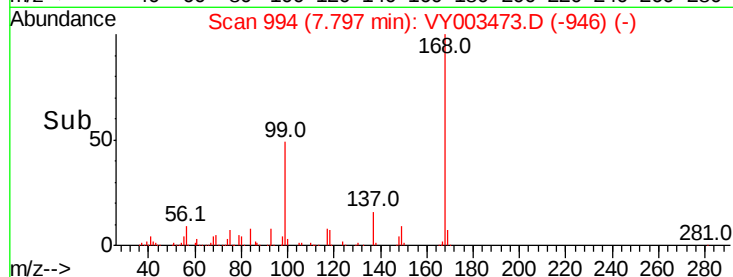
40000

20000

0

7.70 7.80 7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 5.462 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY003473.D

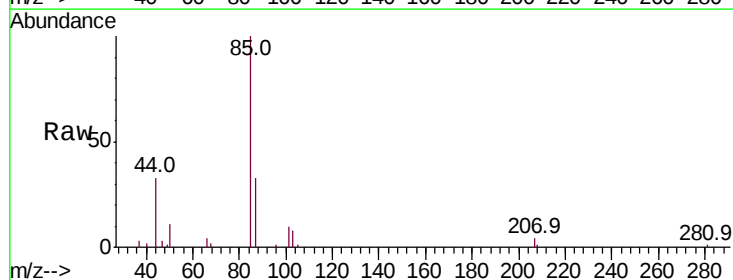
Acq: 02 Nov 2020 15:26

Tgt Ion: 85 Resp: 10033

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VY003464.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY003464.D (-21) (-)

1.91

8000

6000

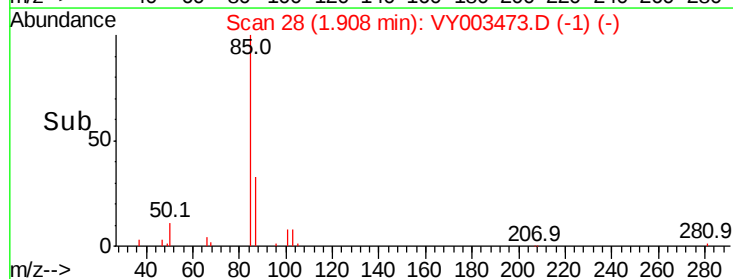
4000

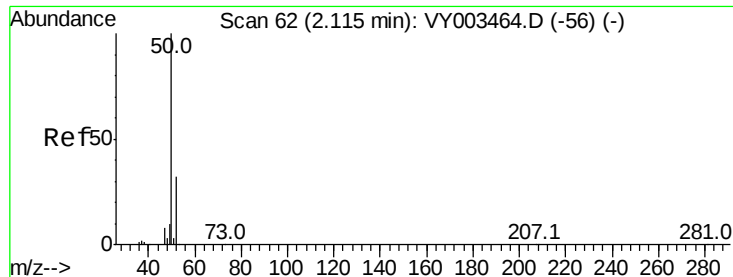
2000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 5.542 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

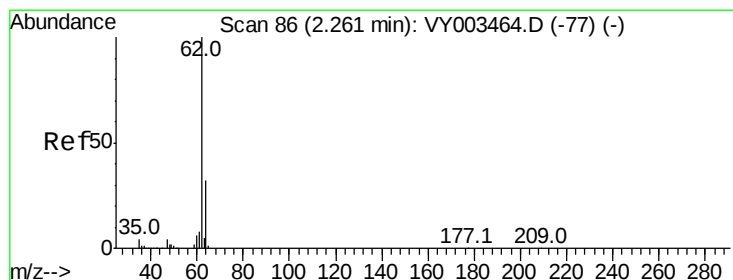
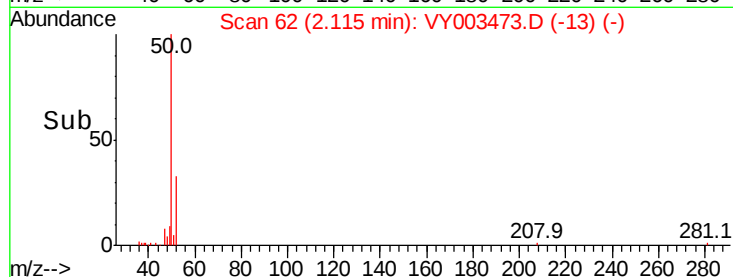
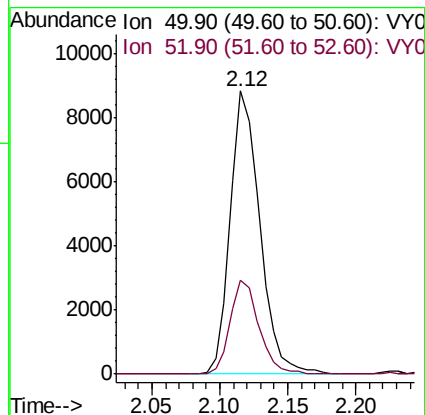
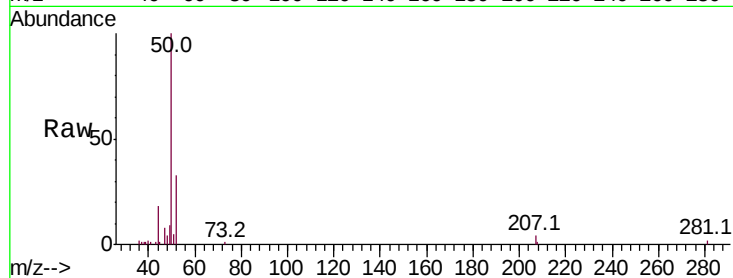
LOQ-SOIL-02-QT4-2020

Tot Ion: 50 Resp: 13401

Ion Ratio Lower Upper

50 100

52 33.0 25.6 38.4



#4

Vinyl Chloride

Concen: 5.625 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY003473.D

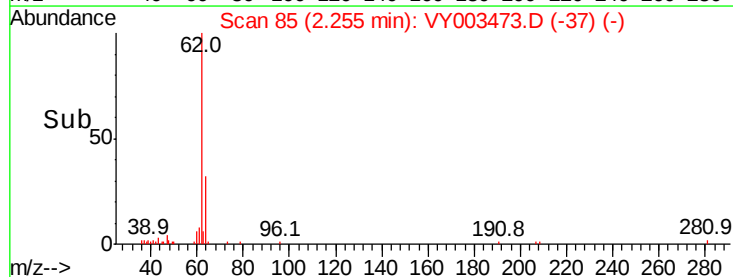
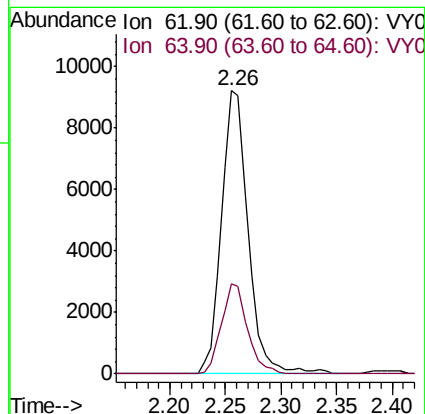
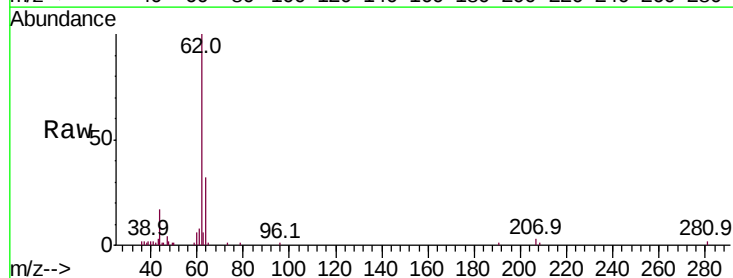
Acq: 02 Nov 2020 15:26

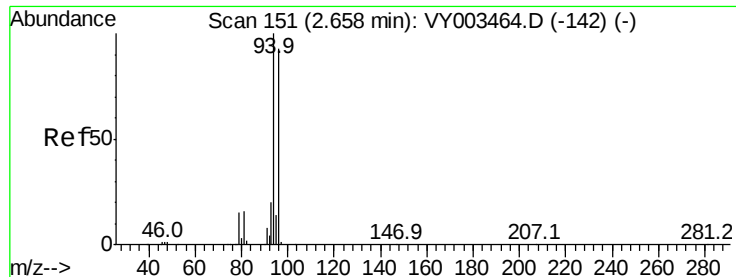
Tgt Ion: 62 Resp: 15267

Ion Ratio Lower Upper

62 100

64 32.0 25.5 38.3





#5

Bromomethane

Concen: 5.610 ug/l

RT: 2.66 min Scan# 151

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

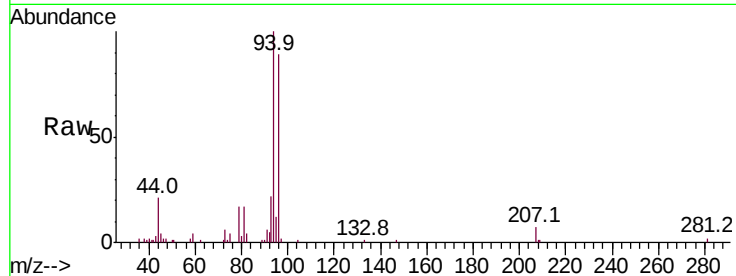
LOQ-SOIL-02-QT4-2020

Tot Ion: 94 Resp: 12721

Ion Ratio Lower Upper

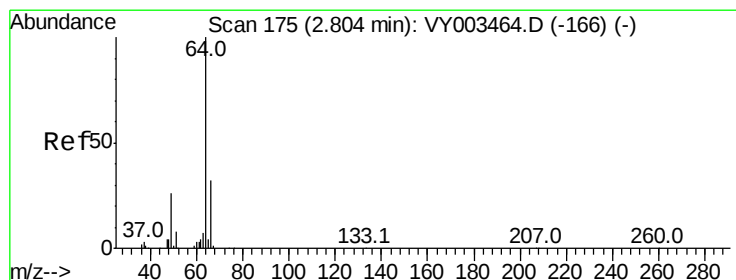
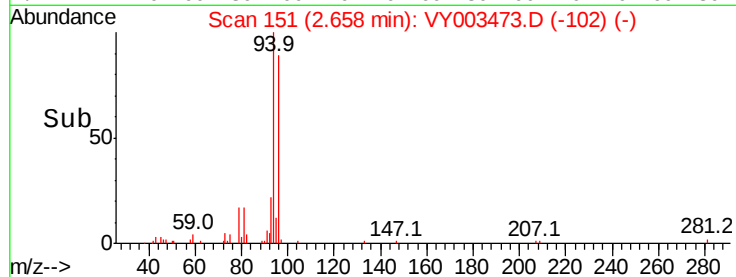
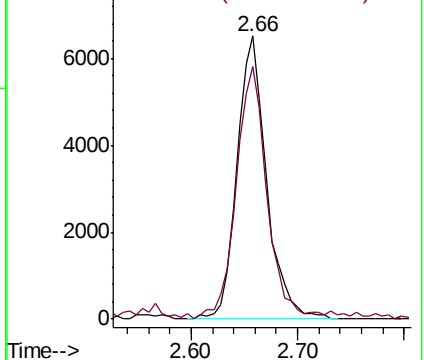
94 100

96 87.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 5.583 ug/l

RT: 2.80 min Scan# 175

Delta R.T. 0.00 min

Lab File: VY003473.D

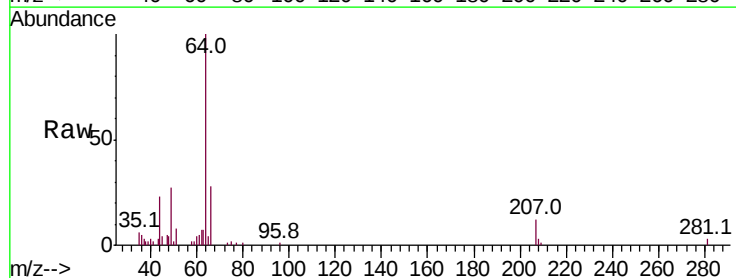
Acq: 02 Nov 2020 15:26

Tgt Ion: 64 Resp: 9032

Ion Ratio Lower Upper

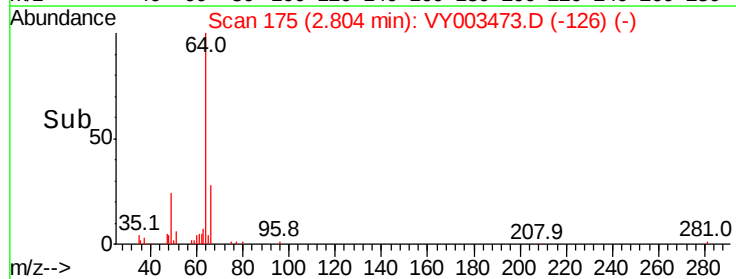
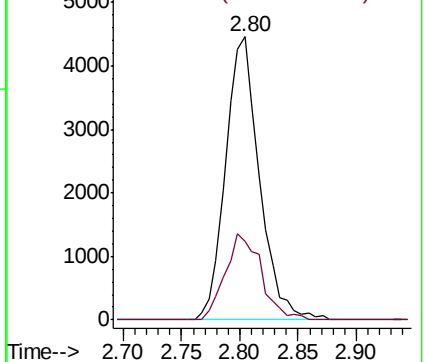
64 100

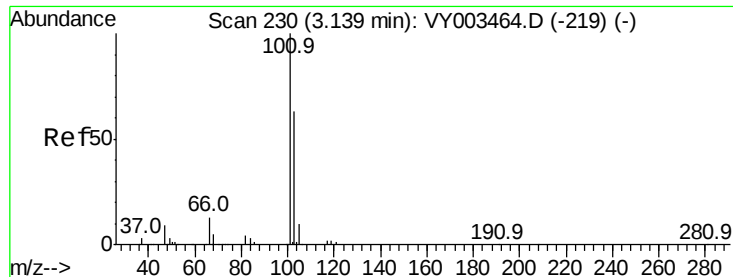
66 27.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

Trichlorofluoromethane

Concen: 5.792 ug/l

RT: 3.14 min Scan# 230

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

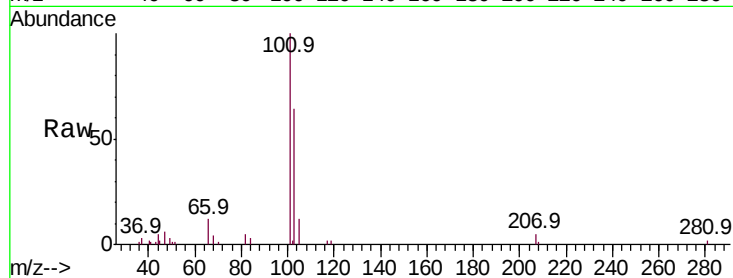
LOQ-SOIL-02-QT4-2020

Tot Ion:101 Resp: 19955

Ion Ratio Lower Upper

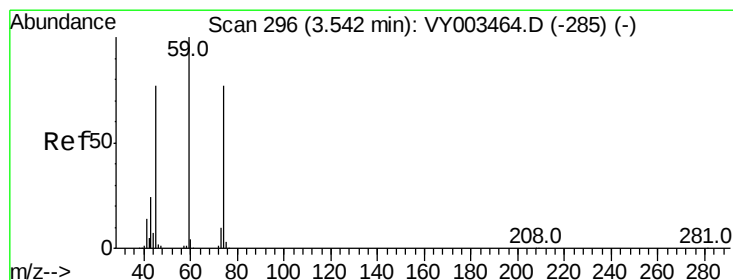
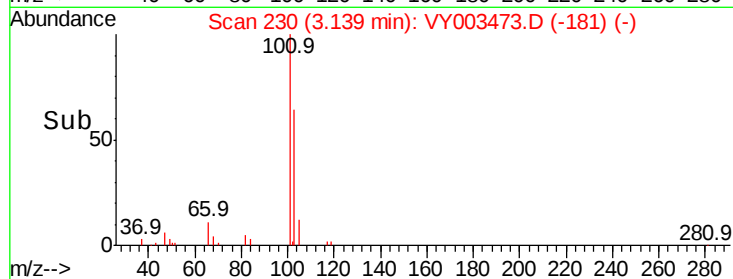
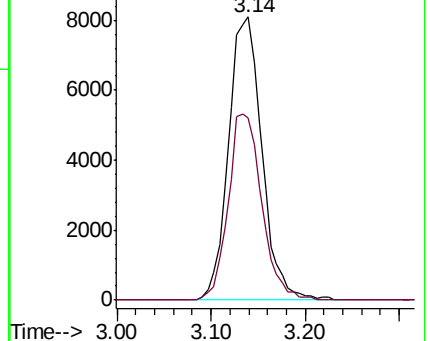
101 100

103 64.2 50.7 76.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 5.542 ug/l

RT: 3.54 min Scan# 295

Delta R.T. -0.01 min

Lab File: VY003473.D

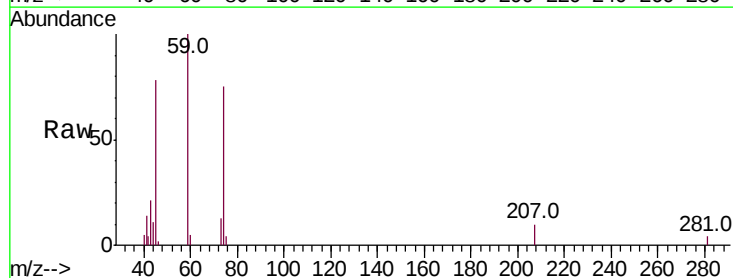
Acq: 02 Nov 2020 15:26

Tgt Ion: 74 Resp: 5855

Ion Ratio Lower Upper

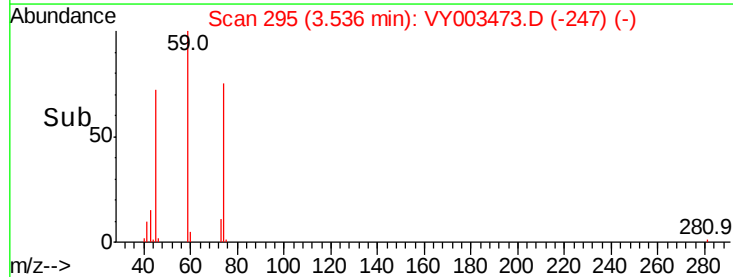
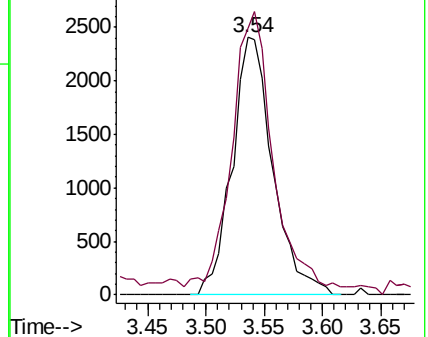
74 100

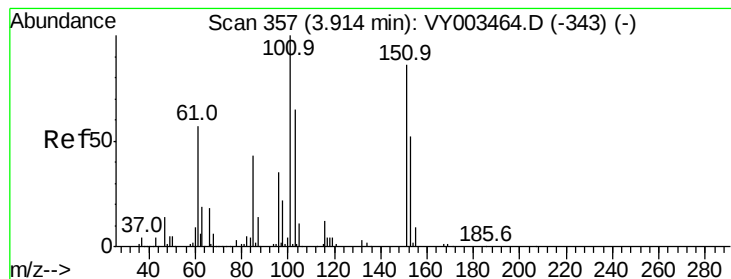
45 104.9 50.7 152.3



Abundance Ion 74.00 (73.70 to 74.70): VY0

Ion 45.00 (44.70 to 45.70): VY0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.425 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.01 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2020

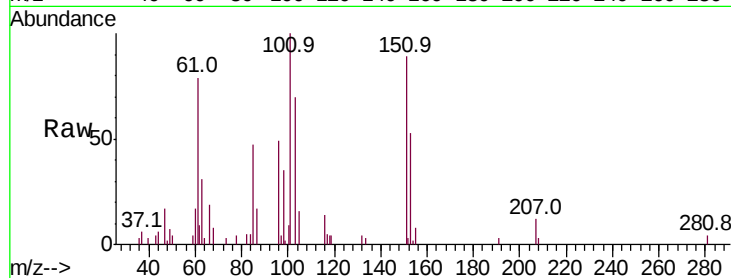
Tot Ion:101 Resp: 10330

Ion Ratio Lower Upper

101 100

85 46.1 35.8 53.8

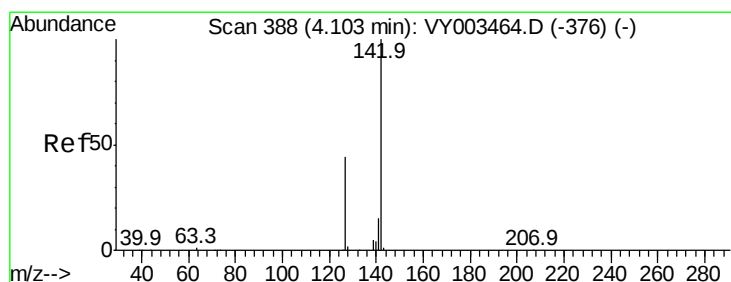
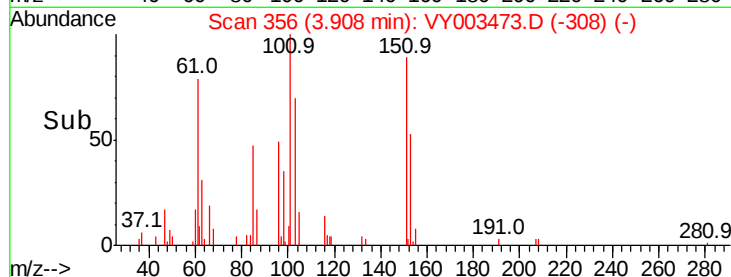
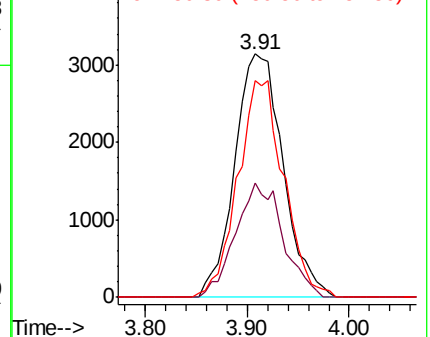
151 84.8 67.6 101.4



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: 5.693 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

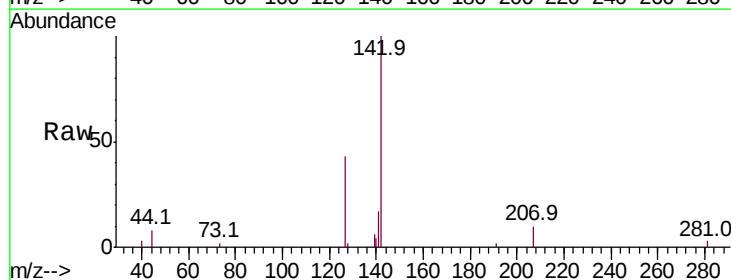
Tgt Ion:142 Resp: 8945

Ion Ratio Lower Upper

142 100

127 44.8 34.5 51.7

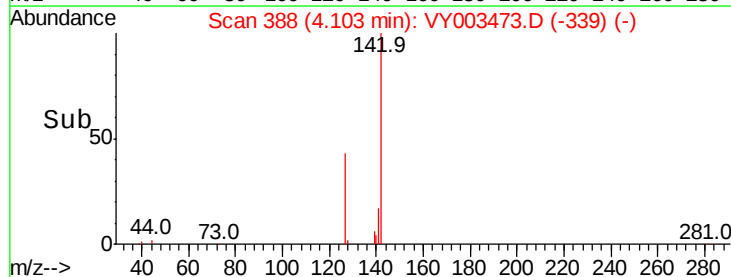
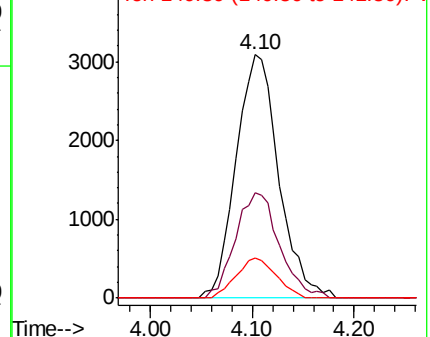
141 15.4 11.8 17.8

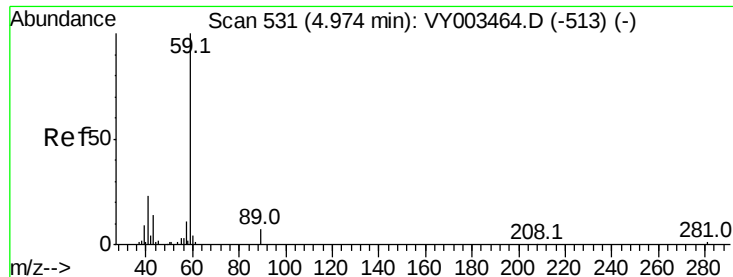


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



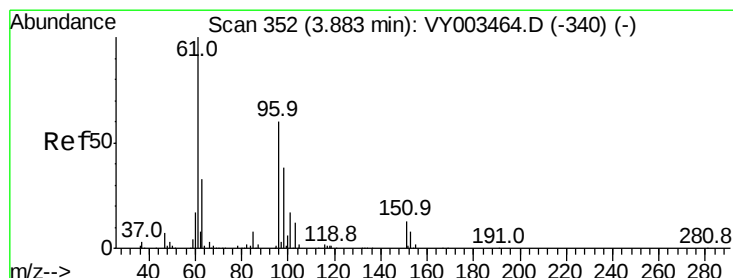
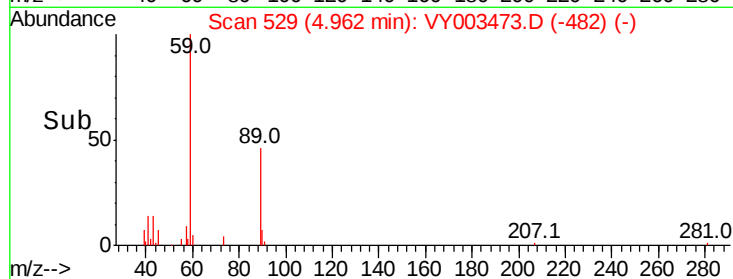
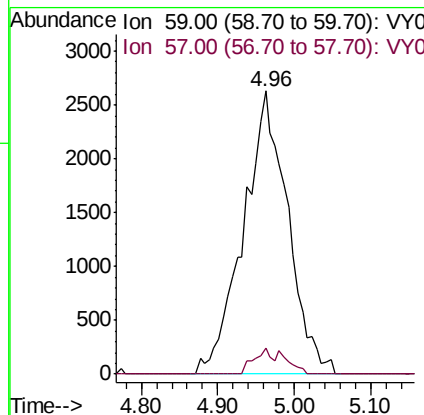
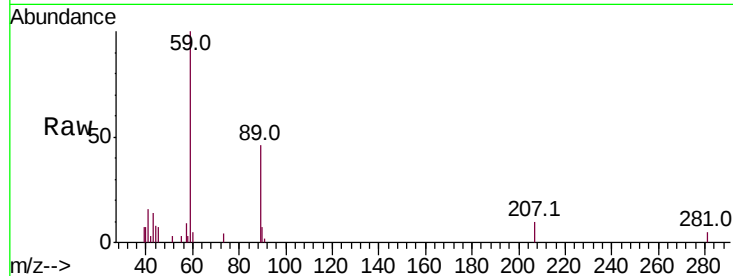


#11

Tert butyl alcohol  
Concen: 39.417 ug/l  
RT: 4.96 min Scan# 529  
Delta R.T. -0.01 min  
Lab File: VY003473.D  
Acq: 02 Nov 2020 15:26

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

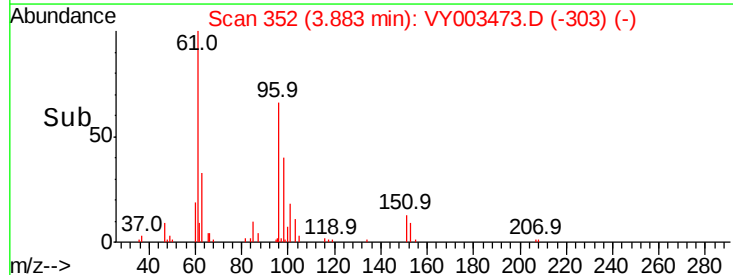
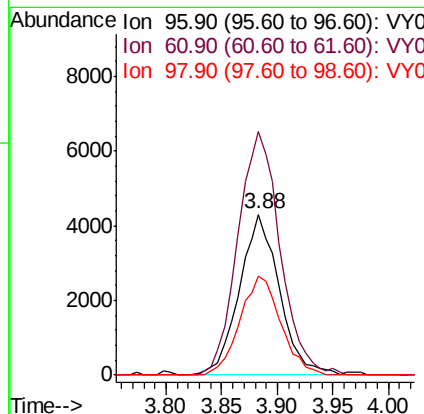
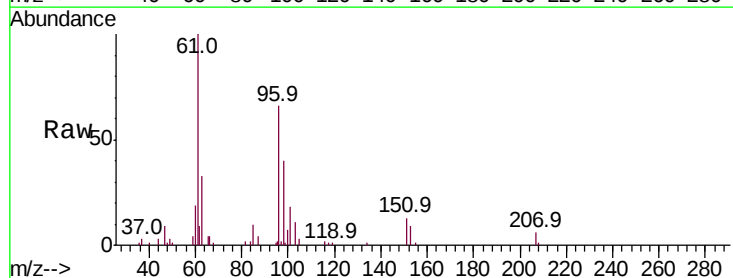
Tot Ion: 59 Resp: 10591  
Ion Ratio Lower Upper  
59 100  
57 3.8 7.9 11.9#

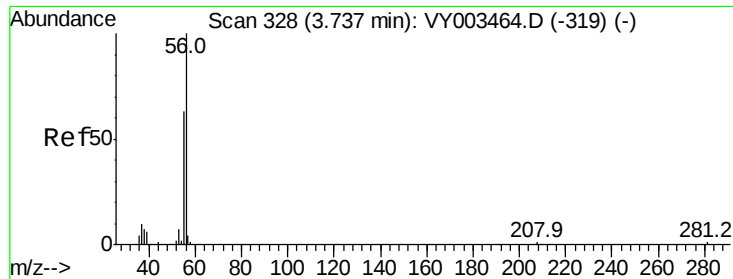


#12

1,1-Dichloroethene  
Concen: 5.681 ug/l  
RT: 3.88 min Scan# 352  
Delta R.T. 0.00 min  
Lab File: VY003473.D  
Acq: 02 Nov 2020 15:26

Tgt Ion: 96 Resp: 10762  
Ion Ratio Lower Upper  
96 100  
61 151.5 133.6 200.4  
98 61.2 50.2 75.2





#13

Acrolein

Concen: 30.263 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

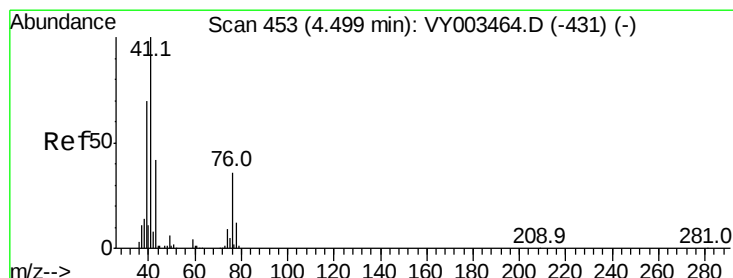
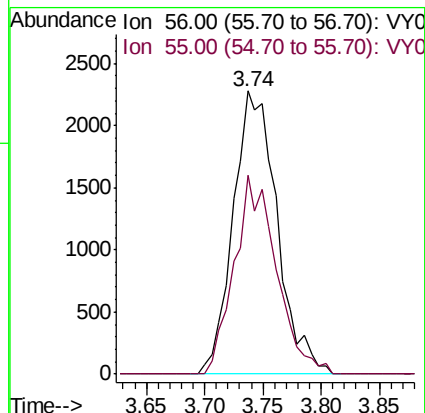
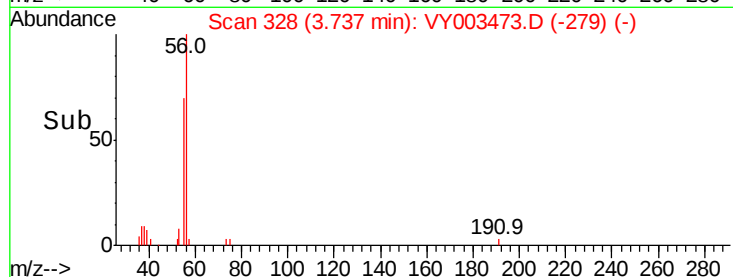
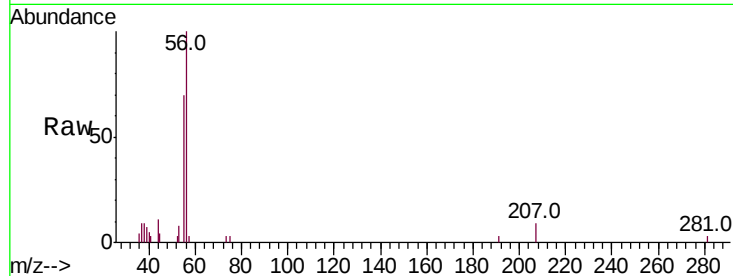
LOQ-SOIL-02-QT4-2020

Tot Ion: 56 Resp: 5977

Ion Ratio Lower Upper

56 100

55 67.3 56.6 85.0



#14

Allyl chloride

Concen: 5.452 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.01 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

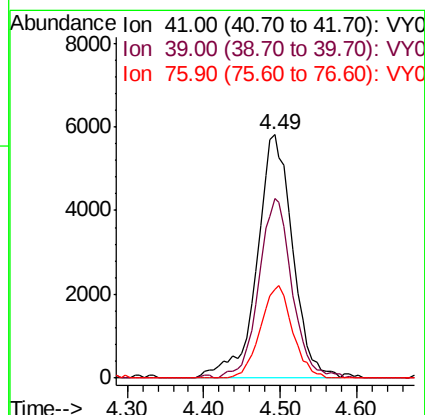
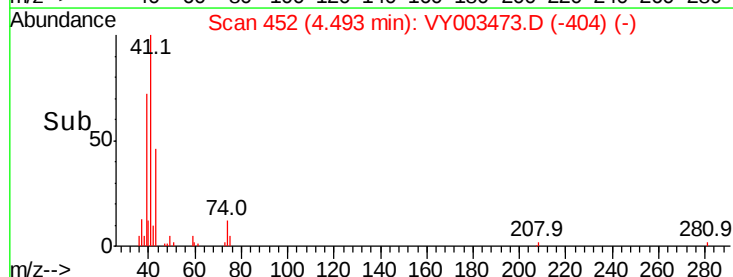
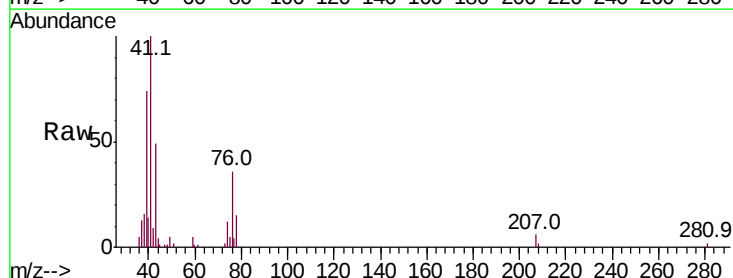
Tgt Ion: 41 Resp: 18846

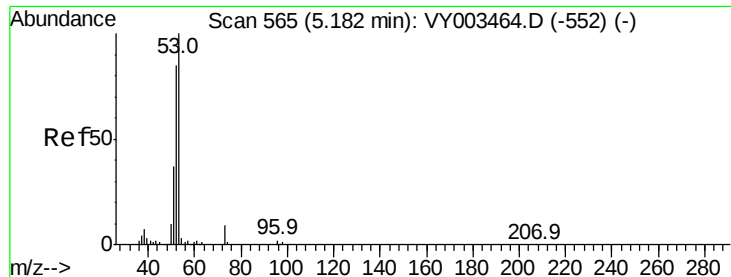
Ion Ratio Lower Upper

41 100

39 68.9 54.4 81.6

76 34.1 27.6 41.4





#15

Acrylonitrile

Concen: 27.845 ug/l

RT: 5.18 min Scan# 565

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2020

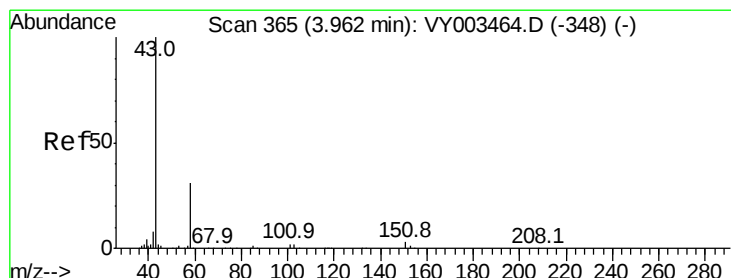
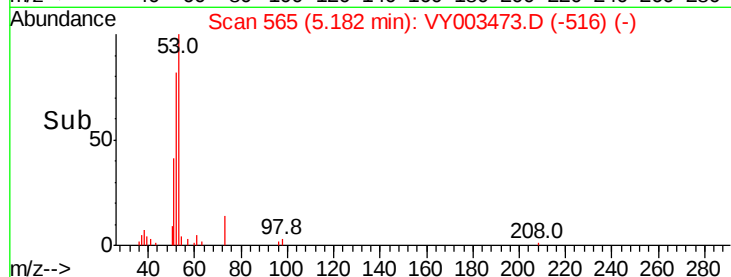
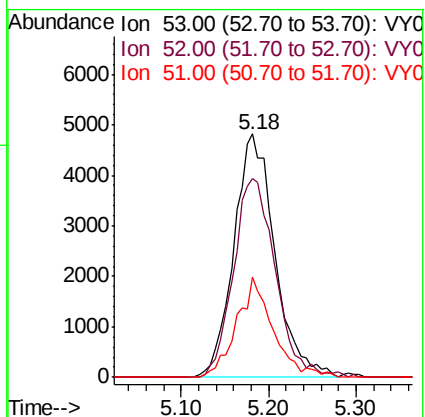
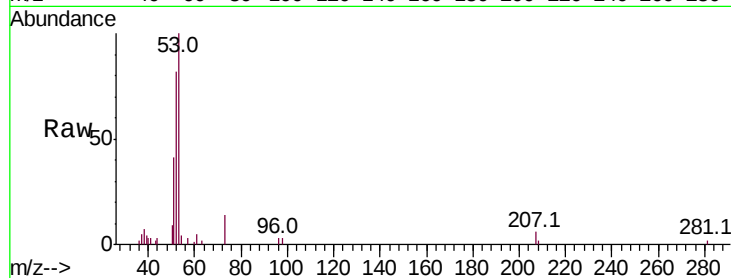
Tot Ion: 53 Resp: 15703

Ion Ratio Lower Upper

53 100

52 83.4 66.9 100.3

51 37.0 29.3 43.9



#16

Acetone

Concen: 23.437 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.00 min

Lab File: VY003473.D

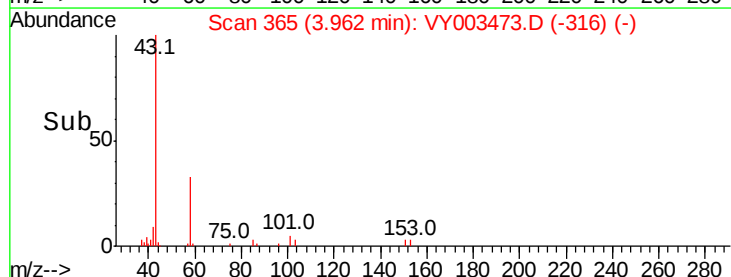
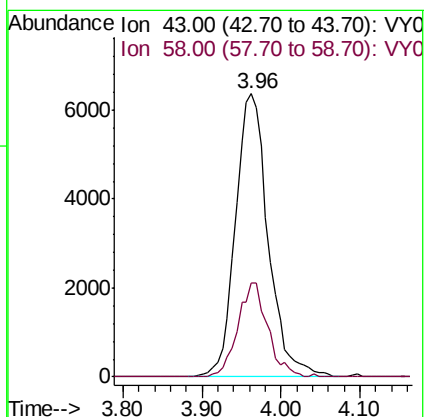
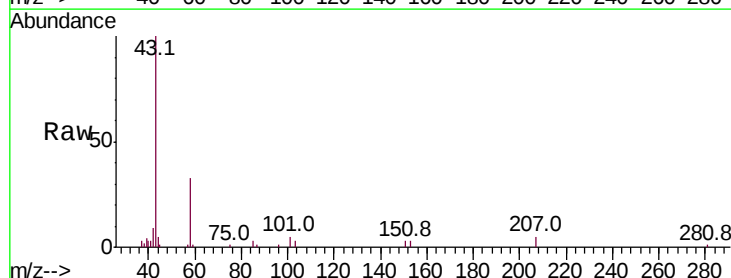
Acq: 02 Nov 2020 15:26

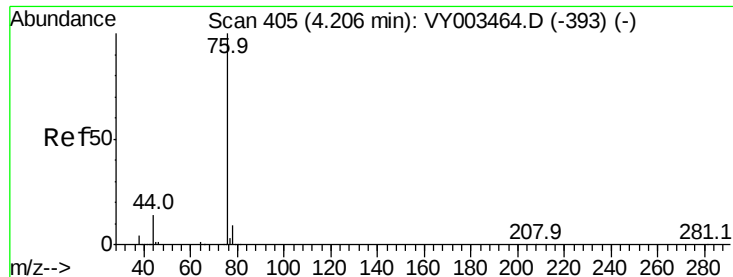
Tgt Ion: 43 Resp: 18400

Ion Ratio Lower Upper

43 100

58 33.3 25.0 37.4

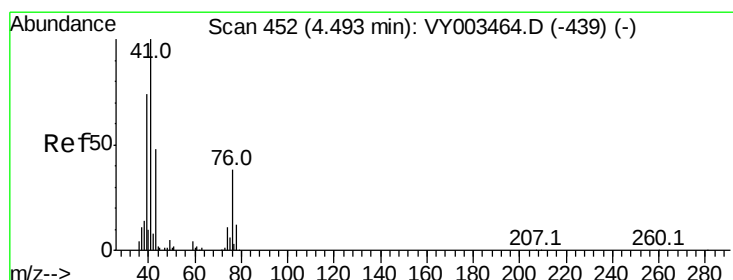
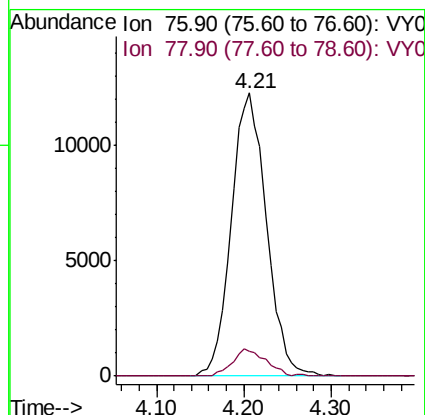
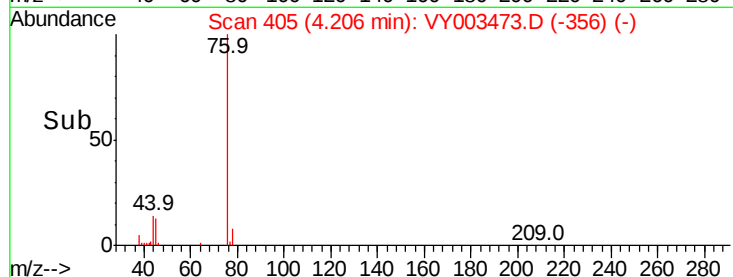
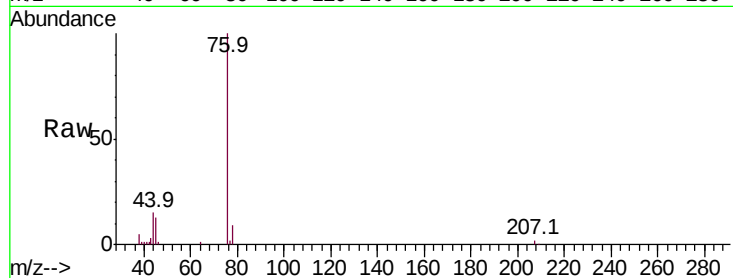




#17  
Carbon Disulfide  
Concen: 5.567 ug/l  
RT: 4.21 min Scan# 405  
Delta R.T. 0.00 min  
Lab File: VY003473.D  
Acq: 02 Nov 2020 15:26

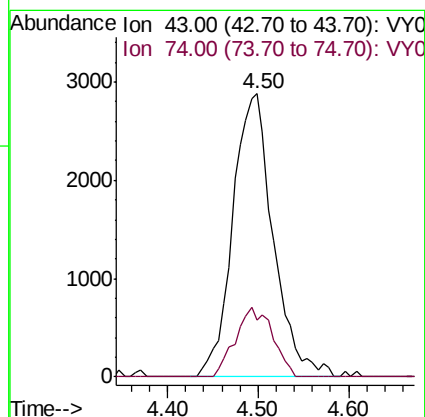
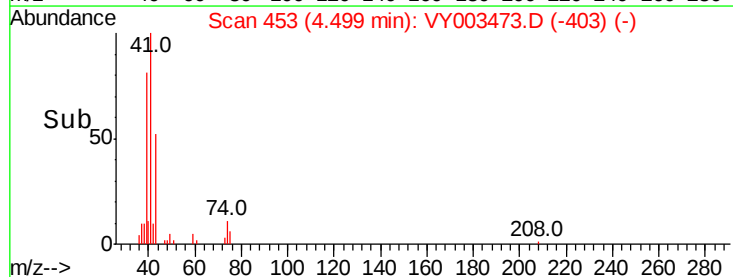
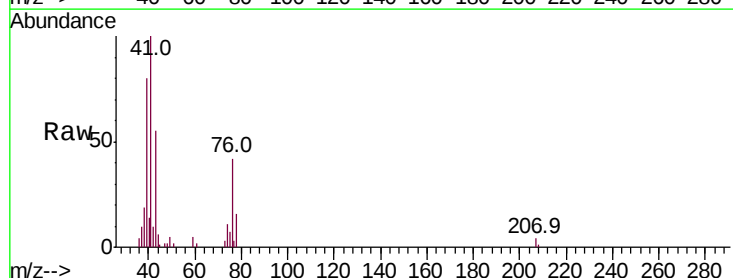
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

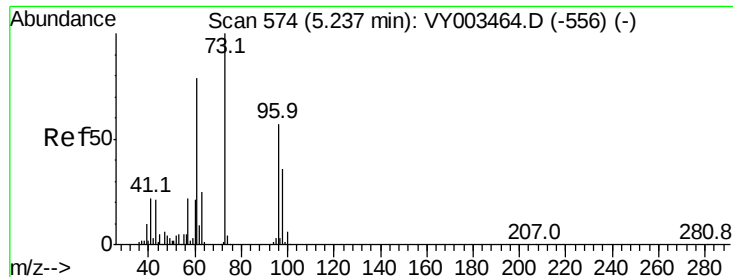
Tot Ion: 76 Resp: 34166  
Ion Ratio Lower Upper  
76 100  
78 8.6 7.4 11.2



#18  
Methyl Acetate  
Concen: 6.000 ug/l  
RT: 4.50 min Scan# 453  
Delta R.T. 0.01 min  
Lab File: VY003473.D  
Acq: 02 Nov 2020 15:26

Tgt Ion: 43 Resp: 8902  
Ion Ratio Lower Upper  
43 100  
74 22.5 18.4 27.6



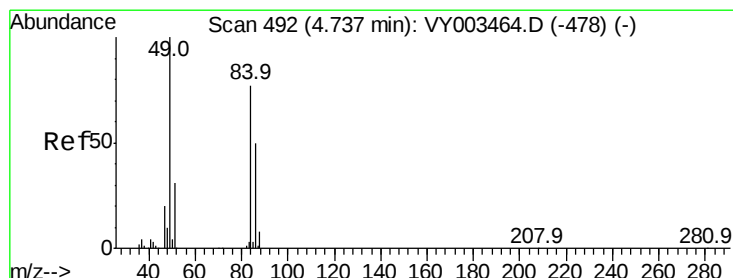
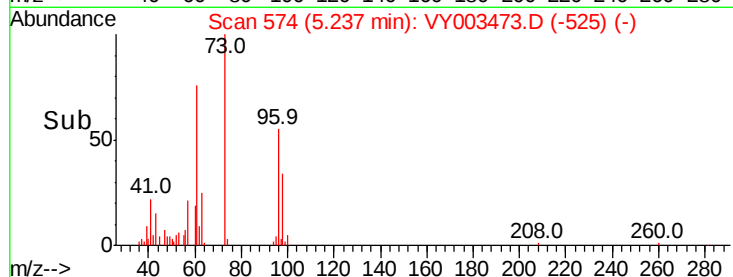
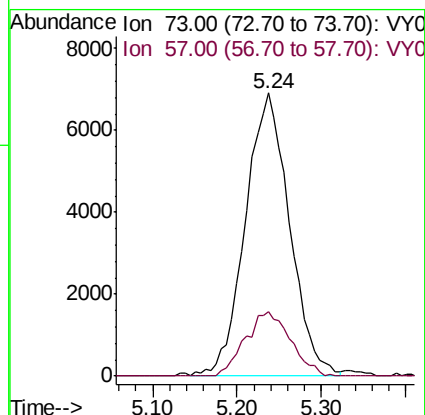
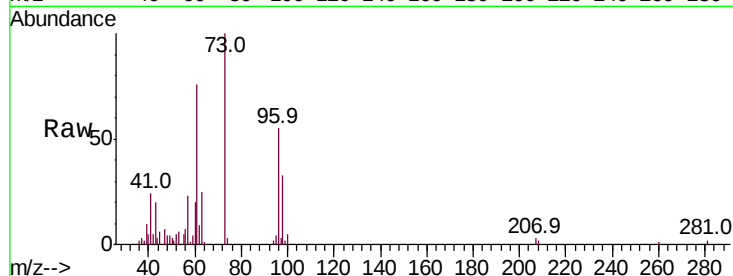


#19

Methyl tert-butyl Ether  
 Concen: 5.271 ug/l  
 RT: 5.24 min Scan# 574  
 Delta R.T. 0.00 min  
 Lab File: VY003473.D  
 Acq: 02 Nov 2020 15:26

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOQ-SOIL-02-QT4-2020

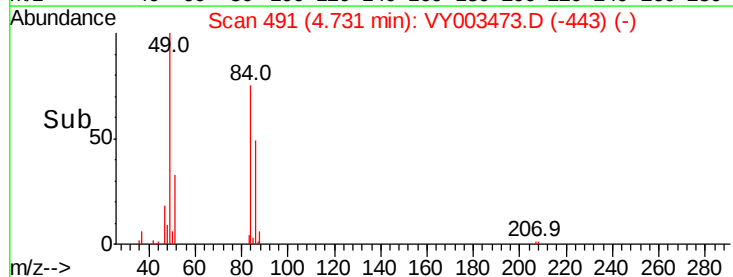
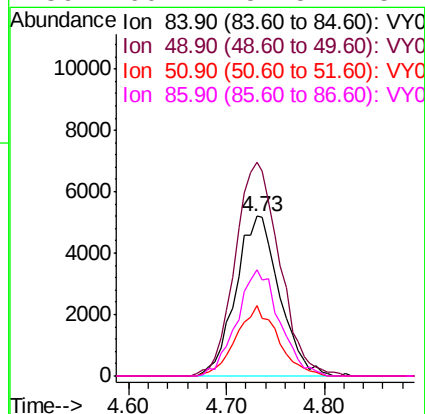
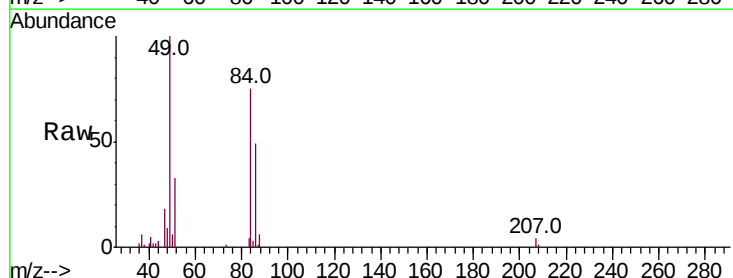
Tot Ion: 73 Resp: 24732  
 Ion Ratio Lower Upper  
 73 100  
 57 22.8 17.2 25.8

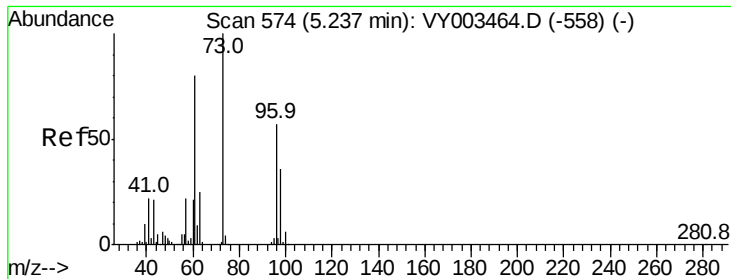


#20

Methylene Chloride  
 Concen: 7.282 ug/l  
 RT: 4.73 min Scan# 491  
 Delta R.T. -0.01 min  
 Lab File: VY003473.D  
 Acq: 02 Nov 2020 15:26

Tgt Ion: 84 Resp: 16101  
 Ion Ratio Lower Upper  
 84 100  
 49 133.8 104.3 156.5  
 51 44.2 32.5 48.7  
 86 66.2 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 5.548 ug/l

RT: 5.24 min Scan# 574

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2020

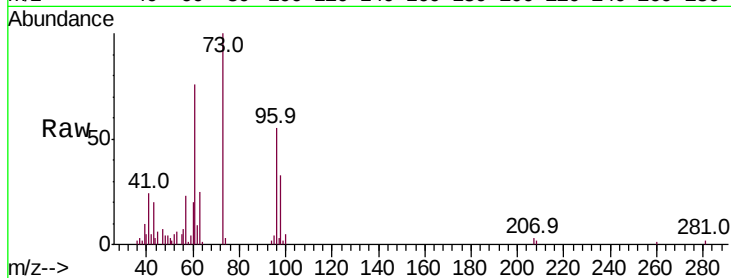
Tot Ion: 96 Resp: 12170

Ion Ratio Lower Upper

96 100

61 138.6 111.3 166.9

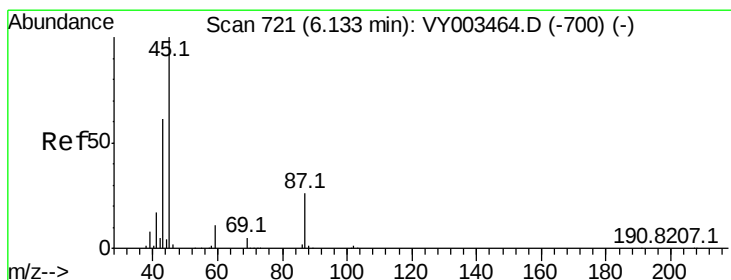
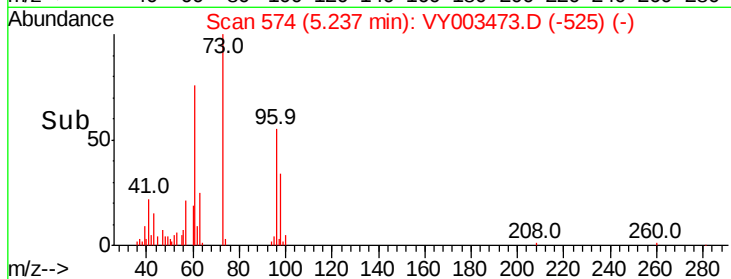
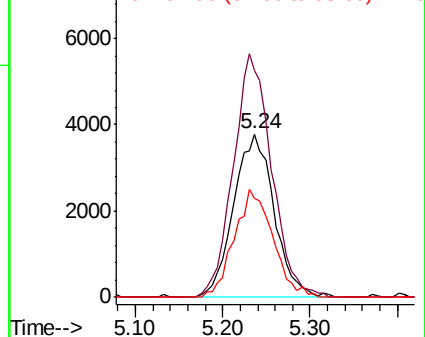
98 60.8 50.3 75.5



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: 5.332 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.01 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Tgt Ion: 45 Resp: 32327

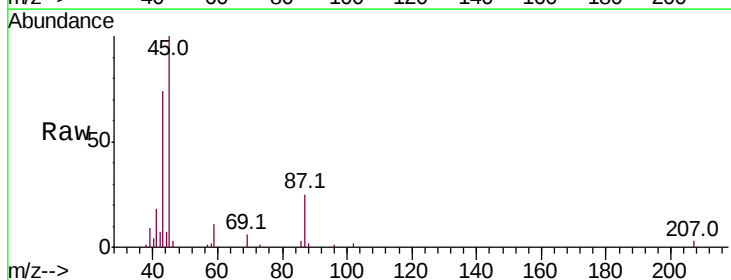
Ion Ratio Lower Upper

45 100

43 72.5 48.8 73.2

87 24.6 20.6 31.0

59 11.1 9.0 13.4

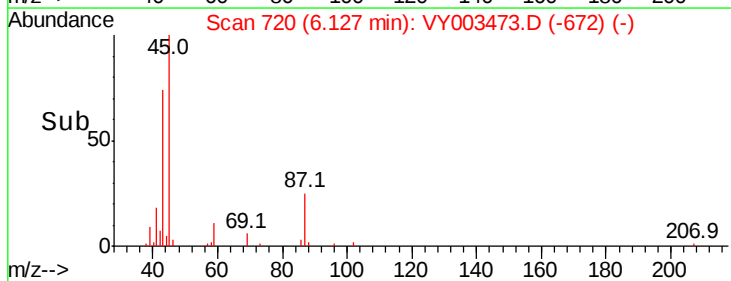
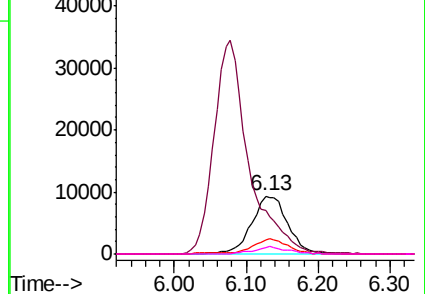


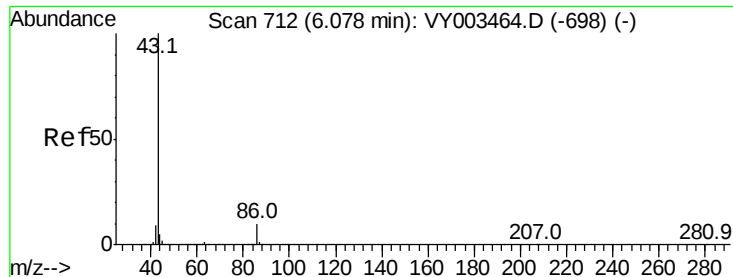
Abundance Ion 45.00 (44.70 to 45.70): VY0

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: 25.565 ug/l

RT: 6.08 min Scan# 712

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

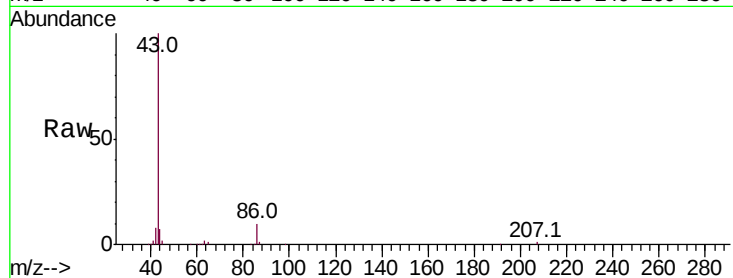
LOQ-SOIL-02-QT4-2020

Tot Ion: 43 Resp: 116466

Ion Ratio Lower Upper

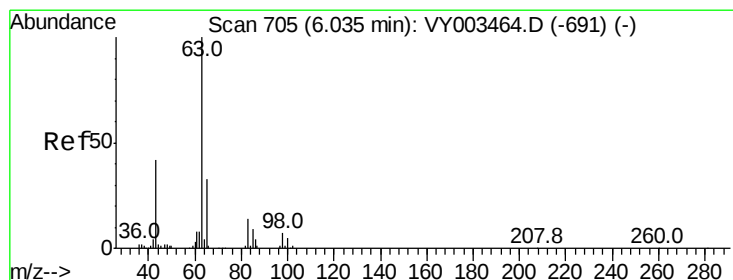
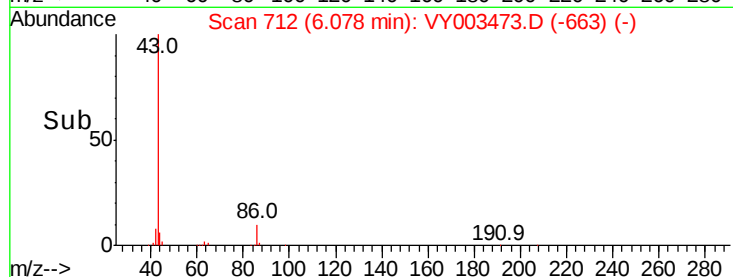
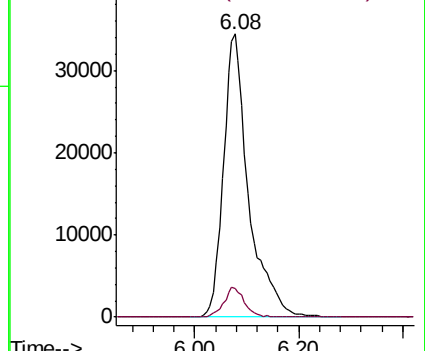
43 100

86 10.3 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 5.512 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

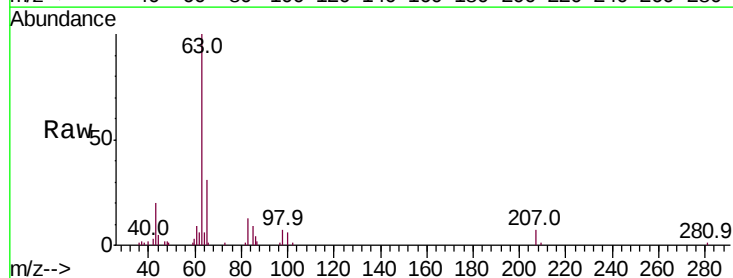
Tgt Ion: 63 Resp: 21235

Ion Ratio Lower Upper

63 100

98 7.1 3.6 10.8

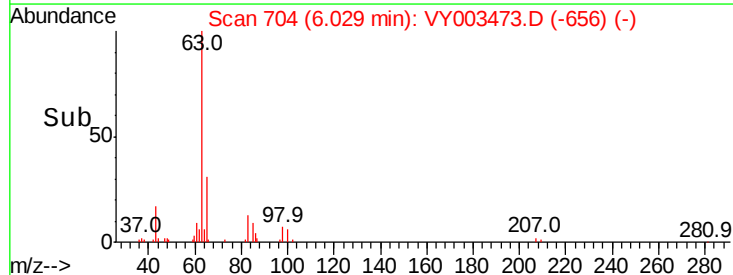
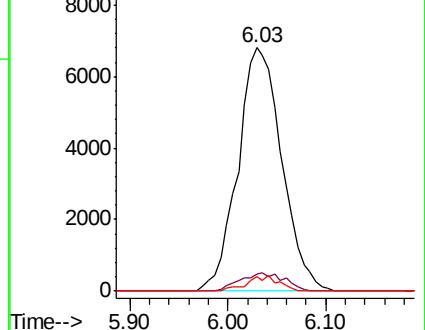
100 5.9 2.3 6.9

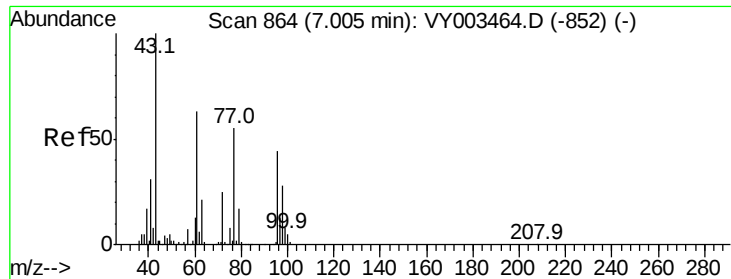


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 24.651 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

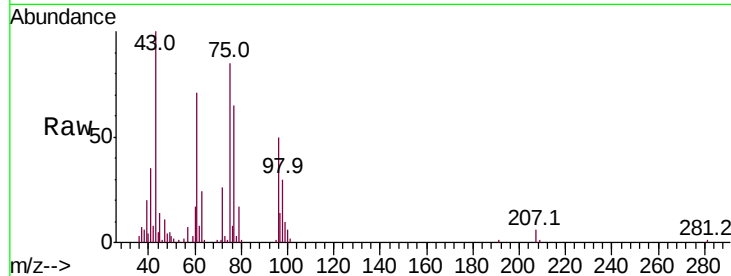
LOQ-SOIL-02-QT4-2020

Tot Ion: 43 Resp: 24205

Ion Ratio Lower Upper

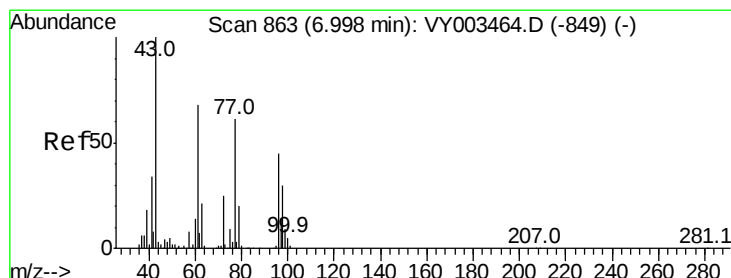
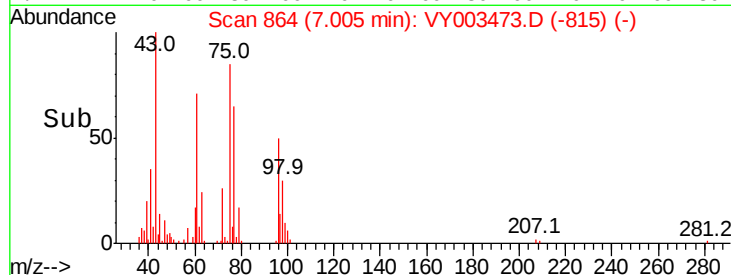
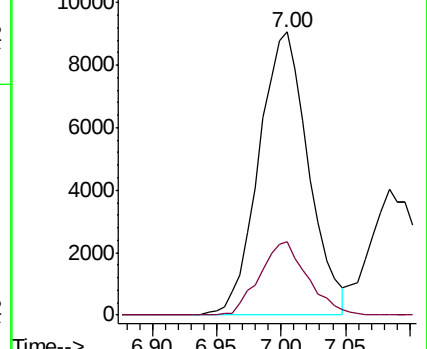
43 100

72 26.0 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 5.608 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY003473.D

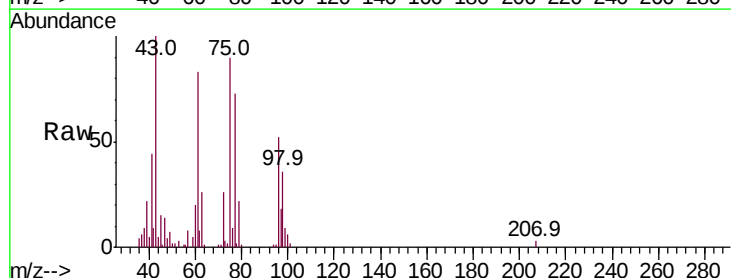
Acq: 02 Nov 2020 15:26

Tgt Ion: 77 Resp: 20127

Ion Ratio Lower Upper

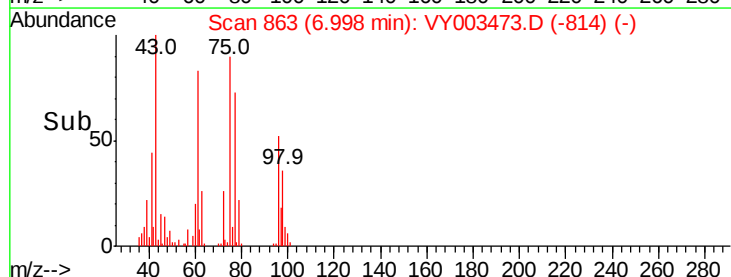
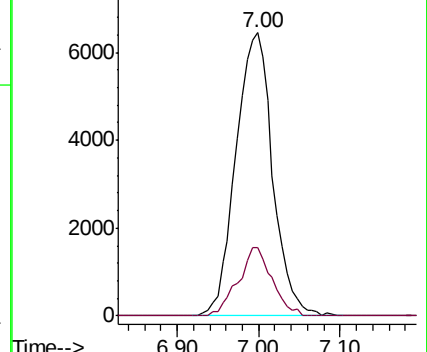
77 100

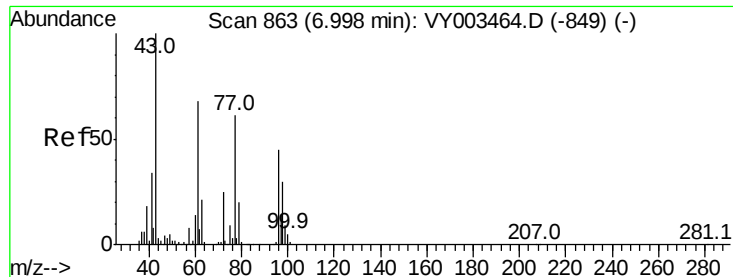
97 22.1 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



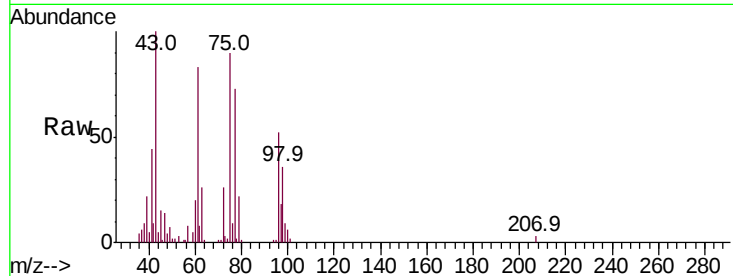


#27

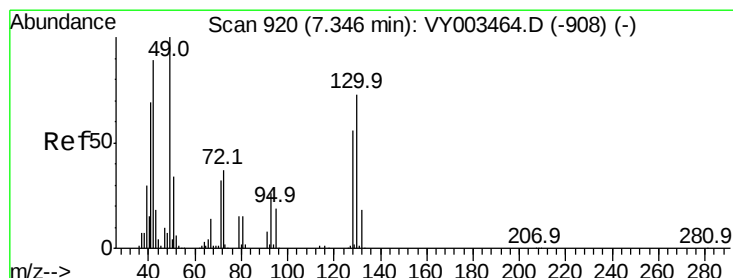
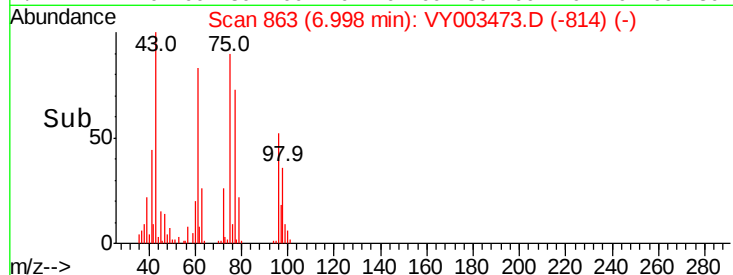
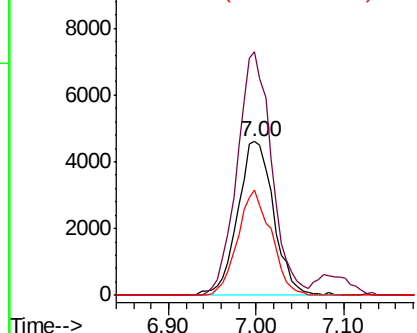
cis-1,2-Dichloroethene  
Concen: 5.550 ug/l  
RT: 7.00 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: VY003473.D  
Acq: 02 Nov 2020 15:26

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

Tot Ion: 96 Resp: 13194  
Ion Ratio Lower Upper  
96 100  
61 151.9 0.0 299.2  
98 63.8 0.0 128.6



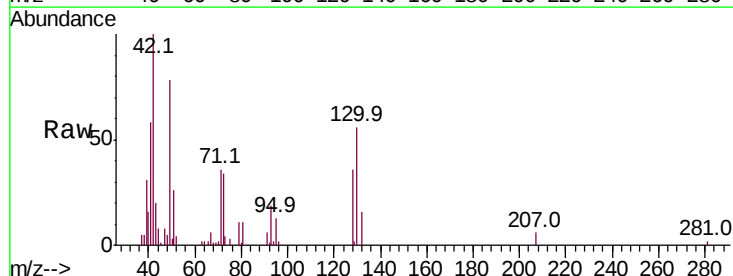
Abundance Ion 95.90 (95.60 to 96.60): VY0  
Ion 60.90 (60.60 to 61.60): VY0  
Ion 97.90 (97.60 to 98.60): VY0



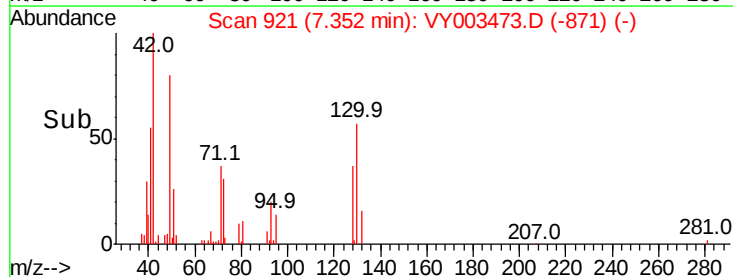
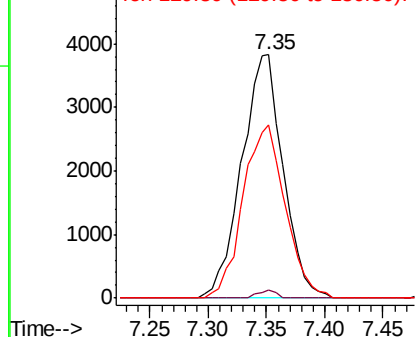
#28

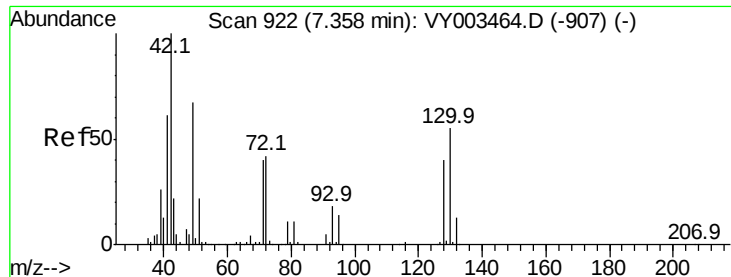
Bromochloromethane  
Concen: 4.882 ug/l  
RT: 7.35 min Scan# 921  
Delta R.T. 0.01 min  
Lab File: VY003473.D  
Acq: 02 Nov 2020 15:26

Tgt Ion: 49 Resp: 9461  
Ion Ratio Lower Upper  
49 100  
129 1.4 0.0 4.2  
130 72.6 60.0 90.0



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





#29

Tetrahydrofuran

Concen: 27.682 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2020

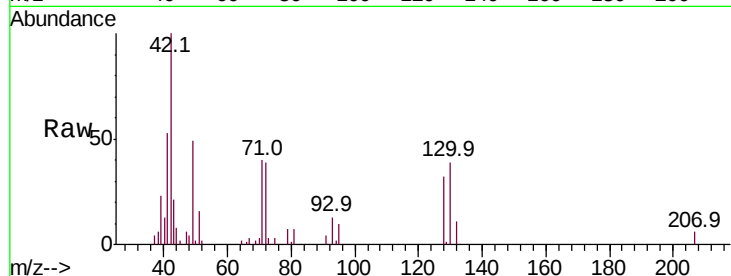
Tot Ion: 42 Resp: 14203

Ion Ratio Lower Upper

42 100

72 38.9 32.8 49.2

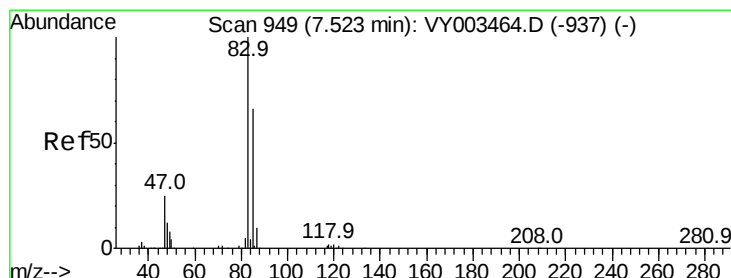
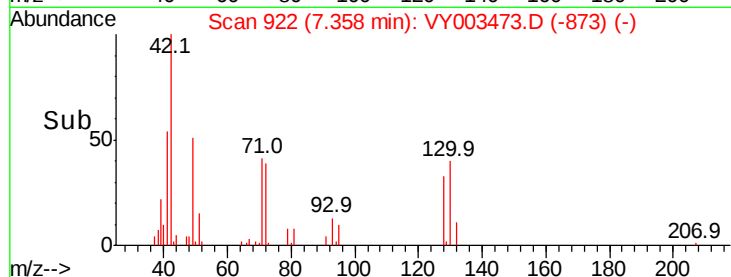
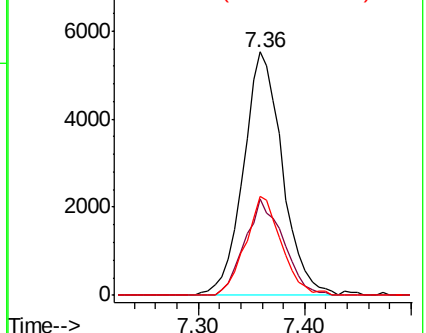
71 37.4 30.7 46.1



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: 5.446 ug/l

RT: 7.52 min Scan# 948

Delta R.T. -0.01 min

Lab File: VY003473.D

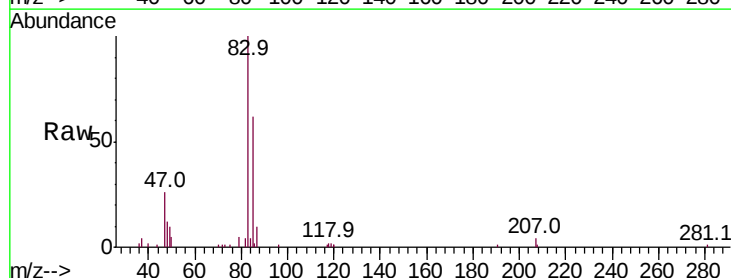
Acq: 02 Nov 2020 15:26

Tgt Ion: 83 Resp: 20608

Ion Ratio Lower Upper

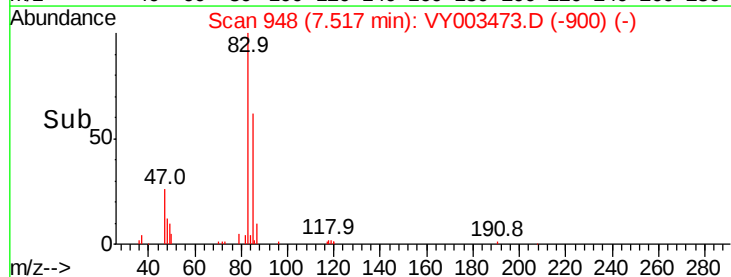
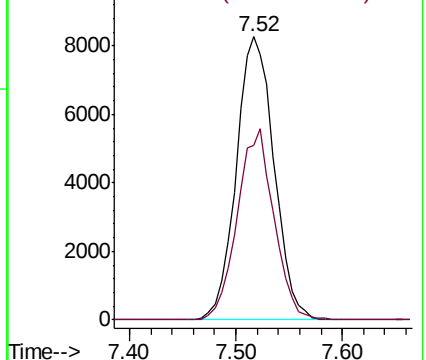
83 100

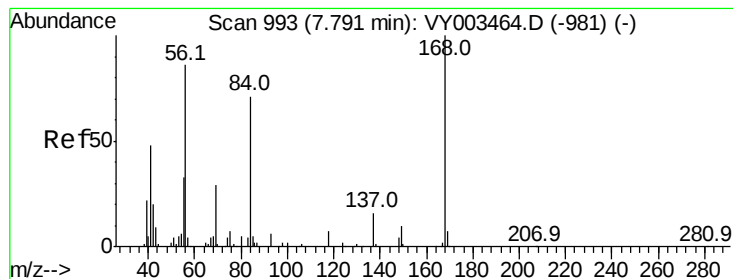
85 61.6 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 6.342 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

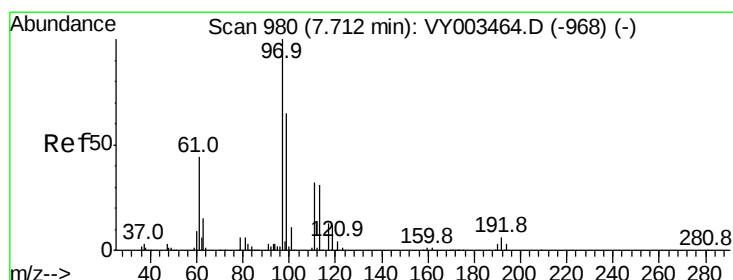
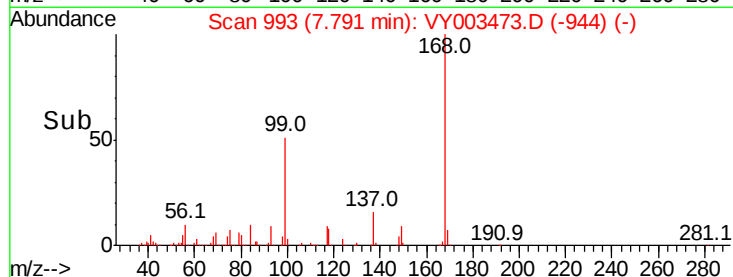
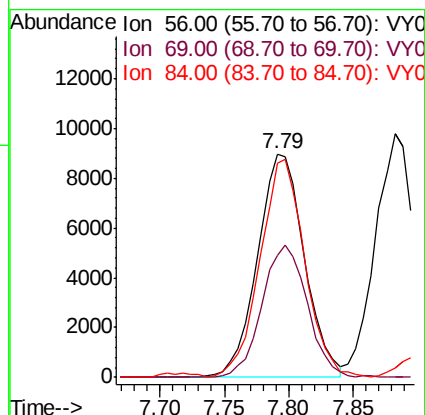
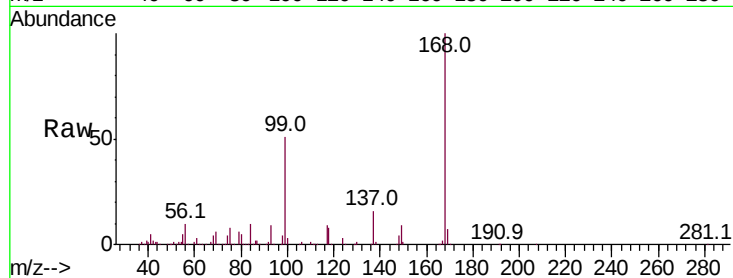
MSVOA\_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2020

Tot Ion: 56 Resp: 22623

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 54.4  | 26.6  | 39.8# |
| 84  | 94.7  | 65.9  | 98.9  |



#32

1,1,1-Trichloroethane

Concen: 5.515 ug/l

RT: 7.71 min Scan# 980

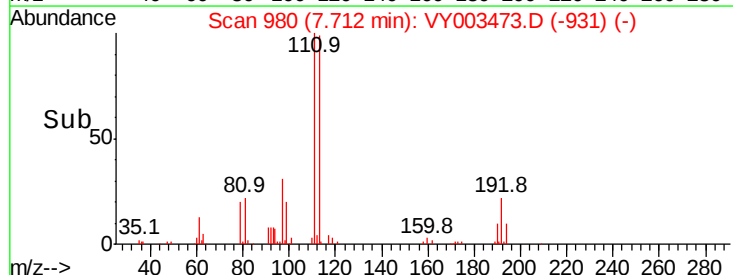
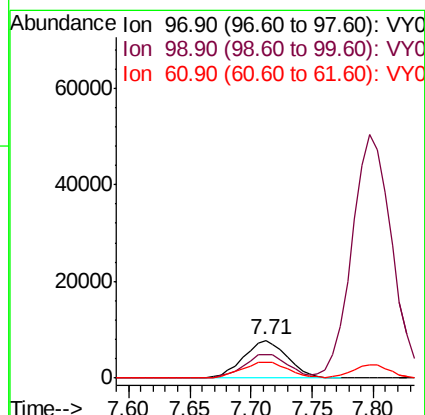
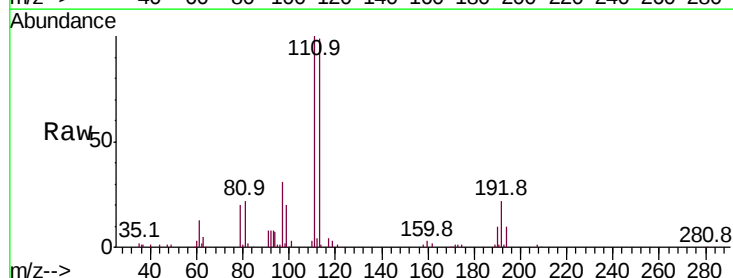
Delta R.T. 0.00 min

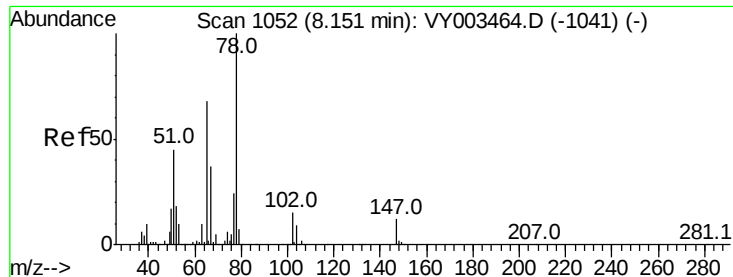
Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Tgt Ion: 97 Resp: 19469

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 63.9  | 51.6  | 77.4  |
| 61  | 45.1  | 35.1  | 52.7  |

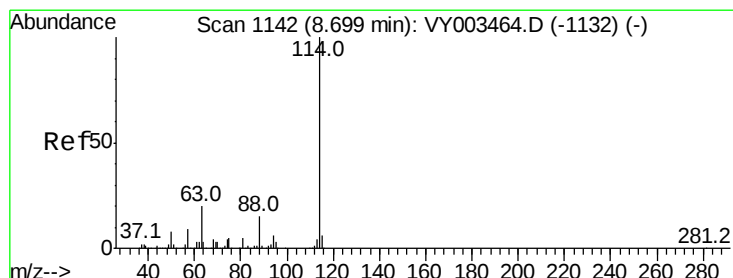
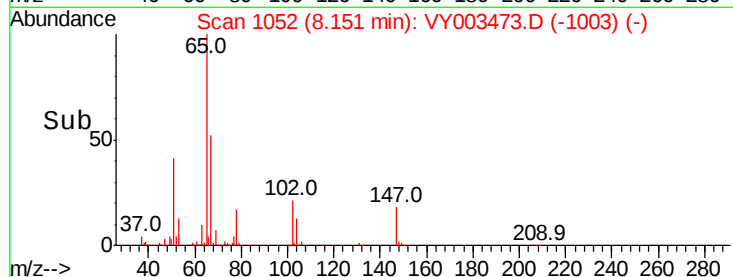
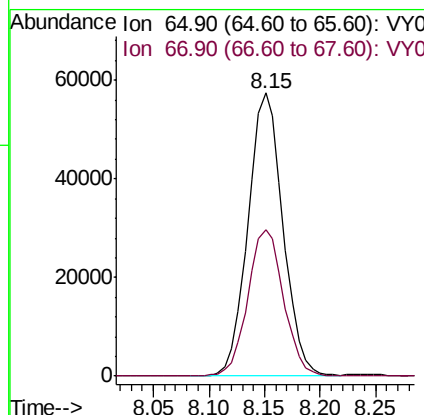
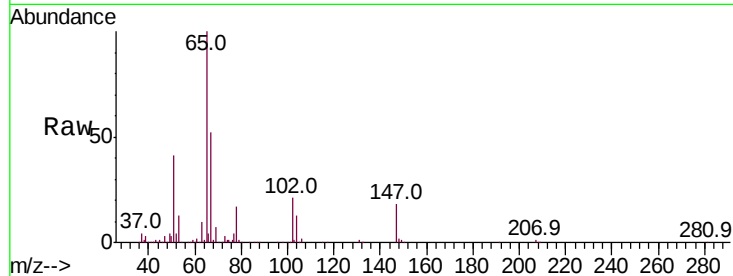




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.669 ug/l  
 RT: 8.15 min Scan# 1052  
 Delta R.T. 0.00 min  
 Lab File: VY003473.D  
 Acq: 02 Nov 2020 15:26

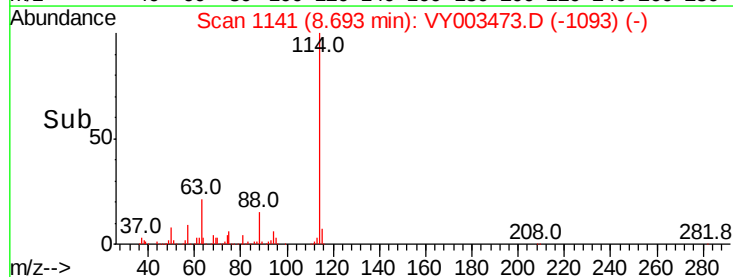
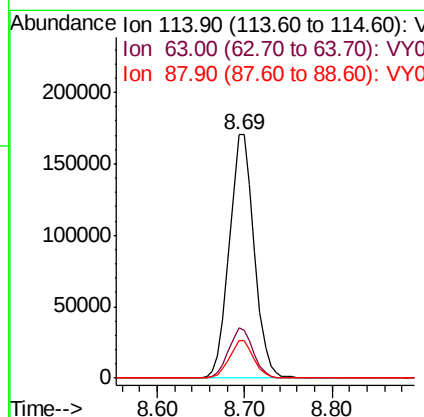
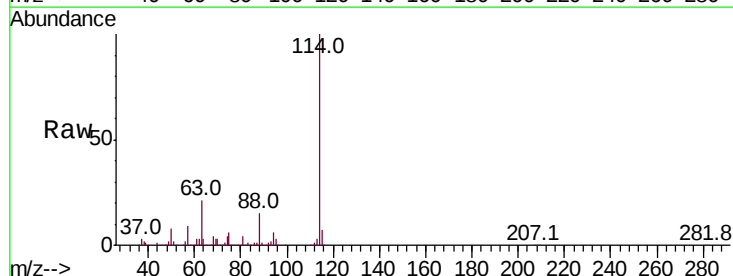
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOQ-SOIL-02-QT4-2020

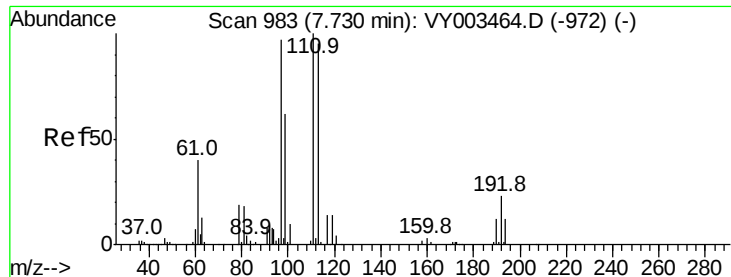
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 53.1  | 0.0   | 106.0 |



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. -0.01 min  
 Lab File: VY003473.D  
 Acq: 02 Nov 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.9  | 0.0   | 40.6  |
| 88      | 15.5  | 0.0   | 29.4  |

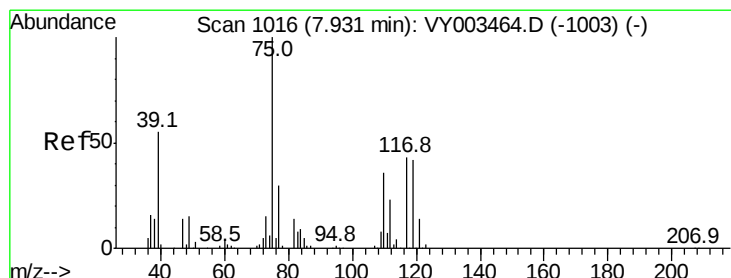
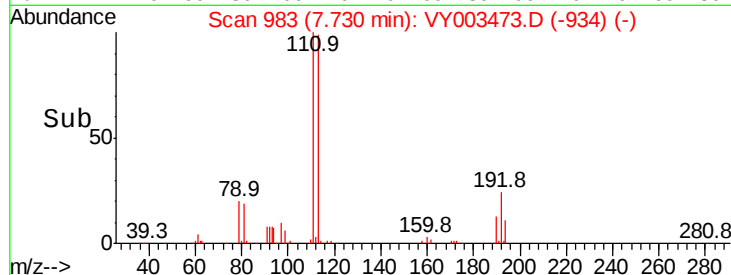
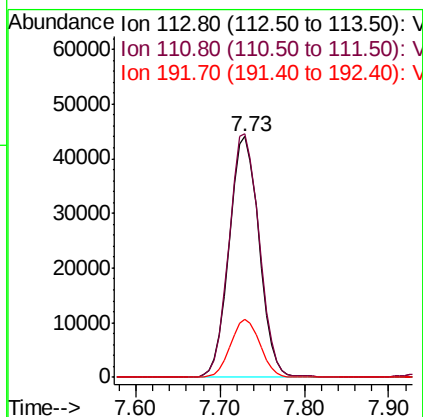
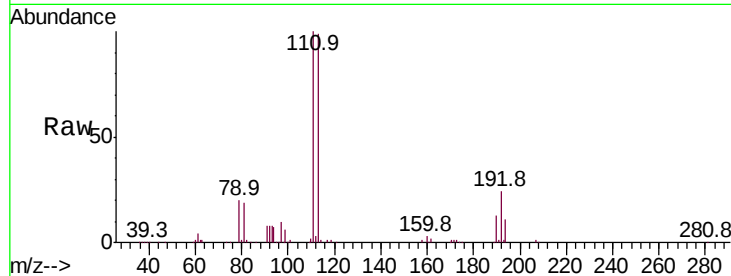




#35  
 Dibromofluoromethane  
 Concen: 51.468 ug/l  
 RT: 7.73 min Scan# 983  
 Delta R.T. 0.00 min  
 Lab File: VY003473.D  
 Acq: 02 Nov 2020 15:26

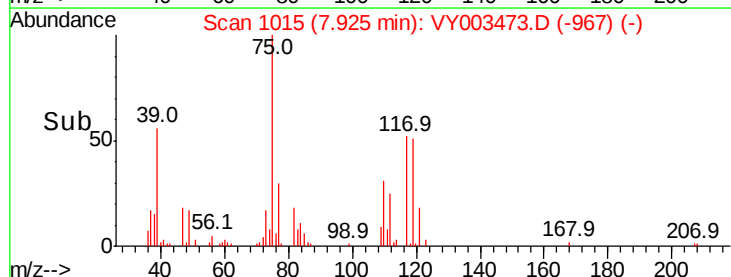
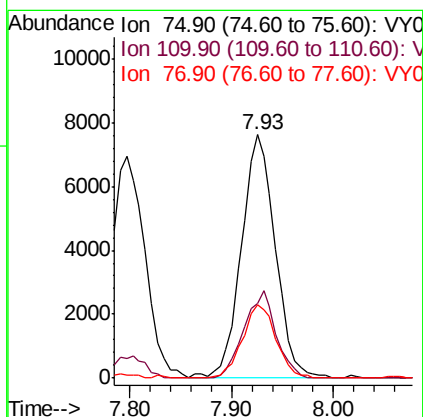
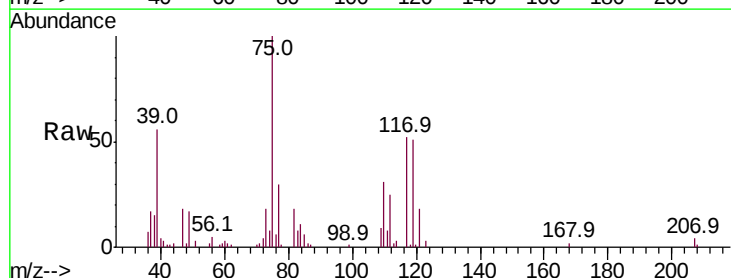
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOQ-SOIL-02-QT4-2020

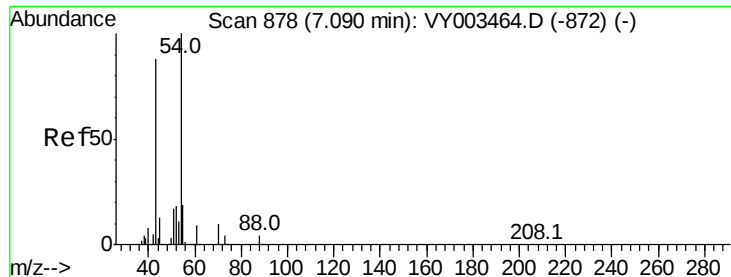
Tot Ion:113 Resp: 105904  
 Ion Ratio Lower Upper  
 113 100  
 111 102.7 81.8 122.6  
 192 23.8 18.8 28.2



#36  
 1,1-Dichloropropene  
 Concen: 5.533 ug/l  
 RT: 7.93 min Scan# 1015  
 Delta R.T. -0.01 min  
 Lab File: VY003473.D  
 Acq: 02 Nov 2020 15:26

Tgt Ion: 75 Resp: 17641  
 Ion Ratio Lower Upper  
 75 100  
 110 33.8 17.6 52.9  
 77 29.9 24.7 37.1

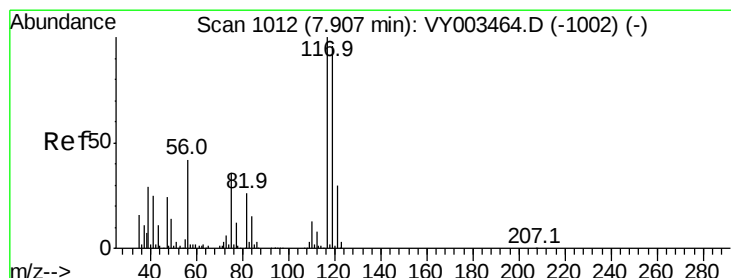
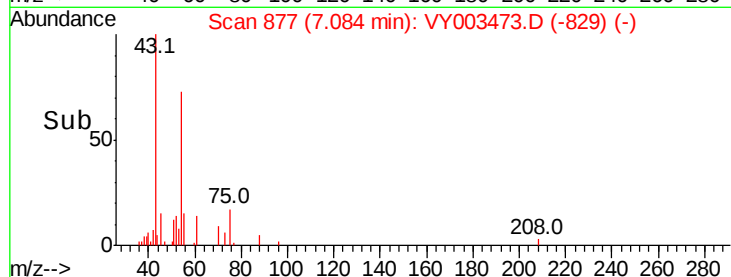
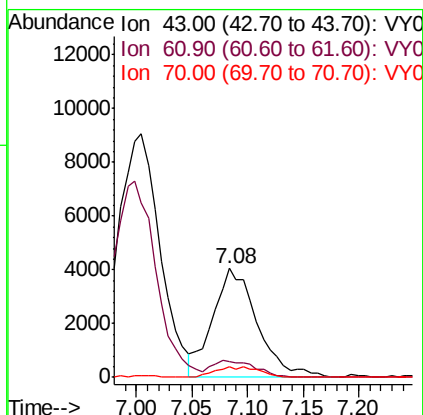
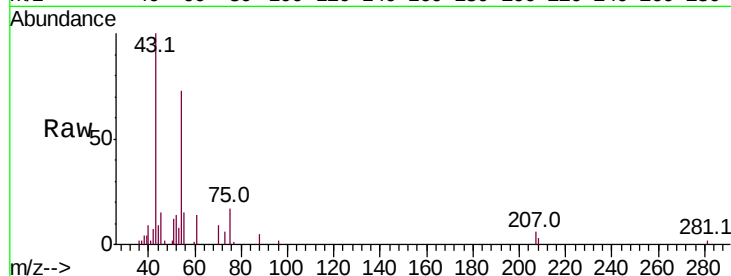




#37  
Ethyl Acetate  
Concen: 5.692 ug/l  
RT: 7.08 min Scan# 877  
Delta R.T. -0.01 min  
Lab File: VY003473.D  
Acq: 02 Nov 2020 15:26

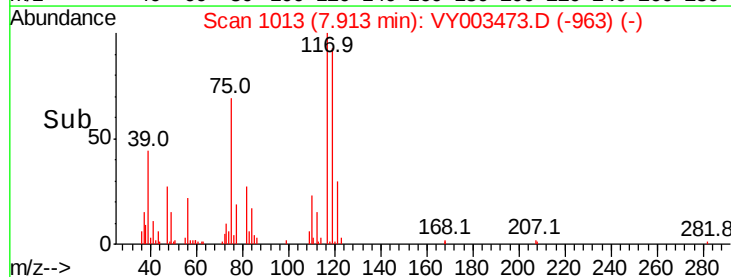
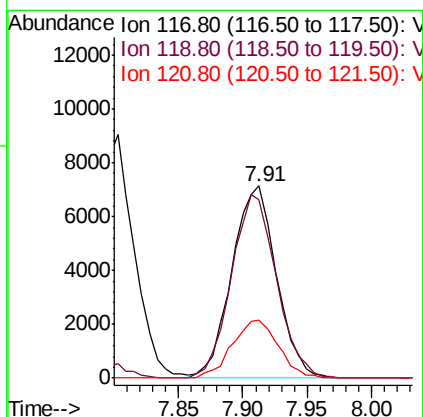
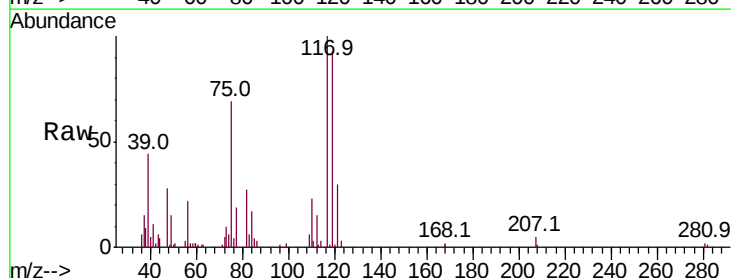
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

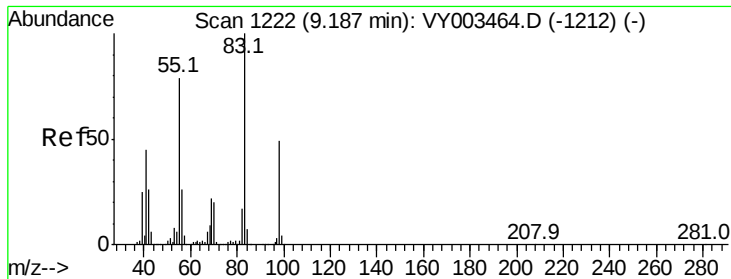
Tot Ion: 43 Resp: 11268  
Ion Ratio Lower Upper  
43 100  
61 14.9 11.0 16.6  
70 9.4 7.9 11.9



#38  
Carbon Tetrachloride  
Concen: 5.190 ug/l  
RT: 7.91 min Scan# 1013  
Delta R.T. 0.01 min  
Lab File: VY003473.D  
Acq: 02 Nov 2020 15:26

Tgt Ion: 117 Resp: 17167  
Ion Ratio Lower Upper  
117 100  
119 92.6 76.2 114.4  
121 30.0 24.2 36.4

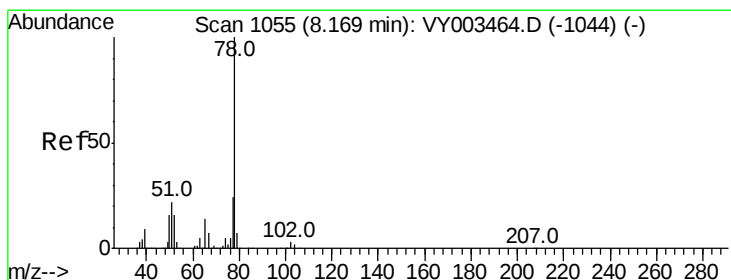
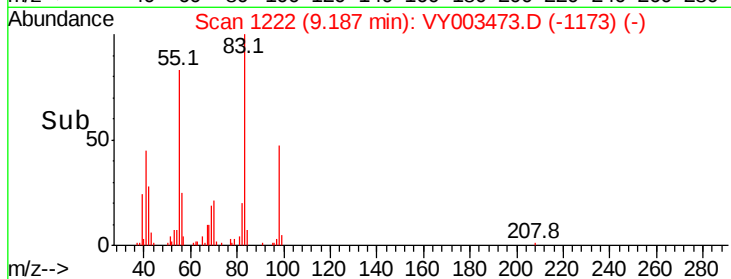
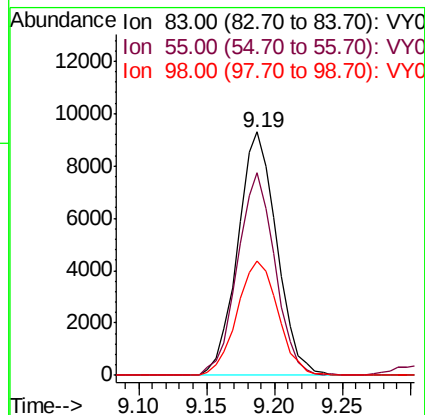
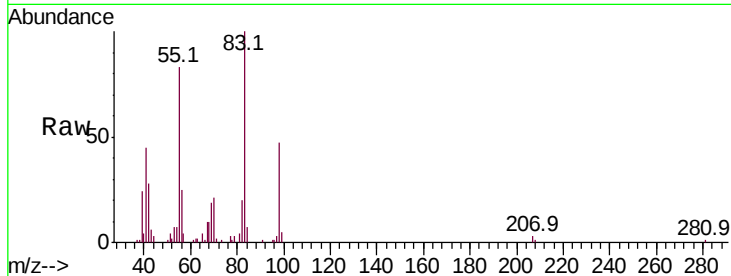




#39  
Methvlcvclohexane  
Concen: 5.239 ug/l  
RT: 9.19 min Scan# 1222  
Delta R.T. 0.00 min  
Lab File: VY003473.D  
Acq: 02 Nov 2020 15:26

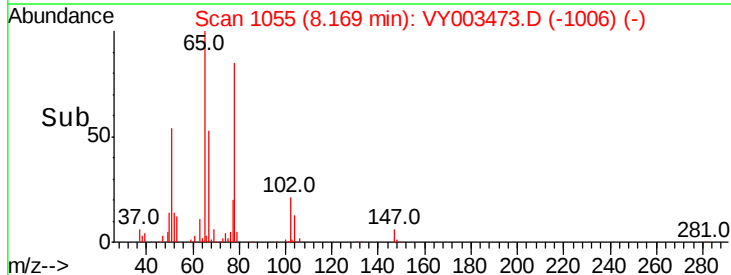
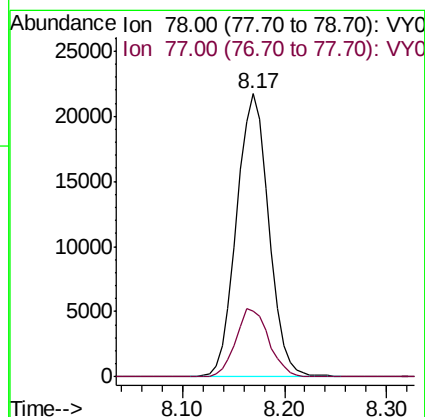
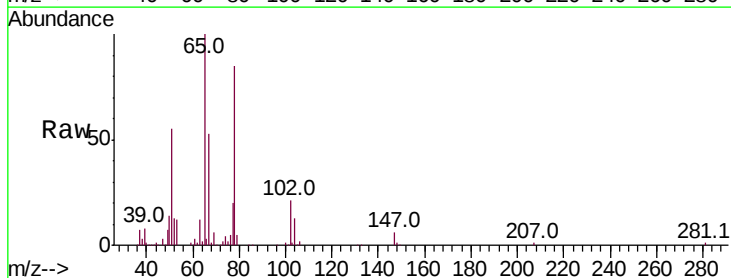
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

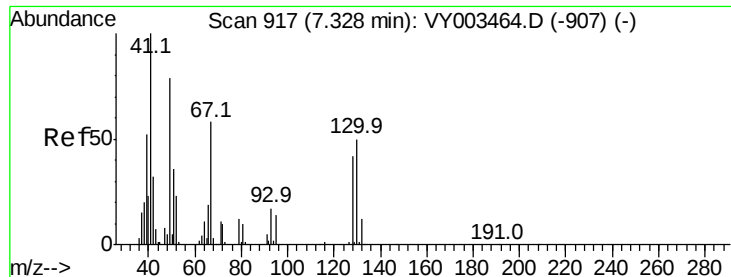
Tot Ion: 83 Resp: 18598  
Ion Ratio Lower Upper  
83 100  
55 83.3 63.5 95.3  
98 47.0 39.4 59.2



#40  
Benzene  
Concen: 5.363 ug/l  
RT: 8.17 min Scan# 1055  
Delta R.T. 0.00 min  
Lab File: VY003473.D  
Acq: 02 Nov 2020 15:26

Tgt Ion: 78 Resp: 47579  
Ion Ratio Lower Upper  
78 100  
77 23.3 19.4 29.0





#41

Methacrylonitrile

Concen: 6.204 ug/l

RT: 7.32 min Scan# 916

Delta R.T. -0.01 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2020

Tot Ion: 41 Resp: 6559

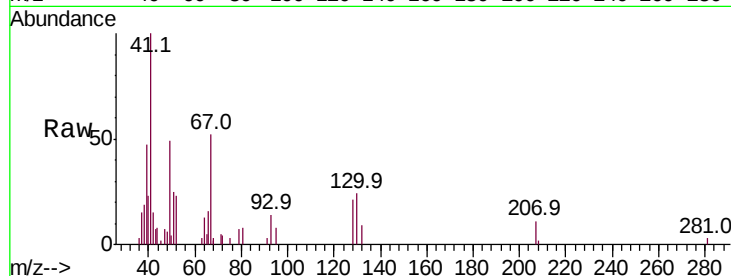
Ion Ratio Lower Upper

41 100

39 45.2 0.0 0.0#

67 58.3 0.0 0.0#

52 25.4 0.0 0.0#

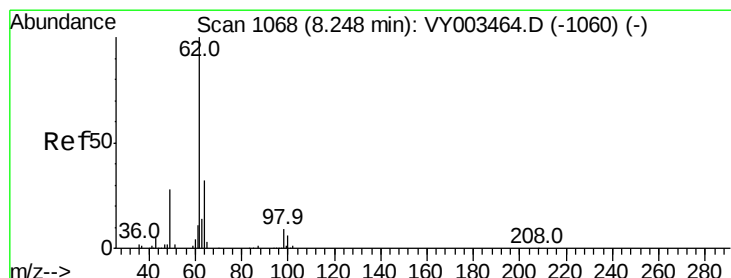
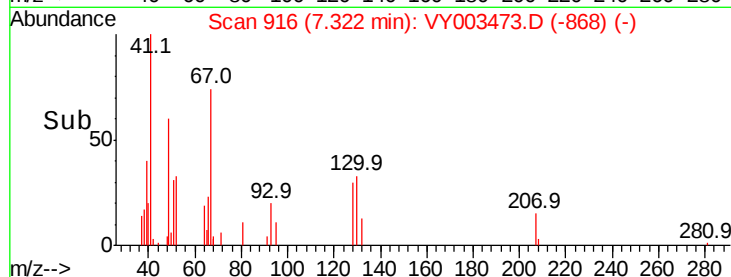
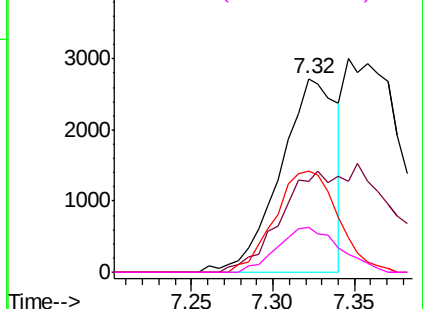


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 5.428 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VY003473.D

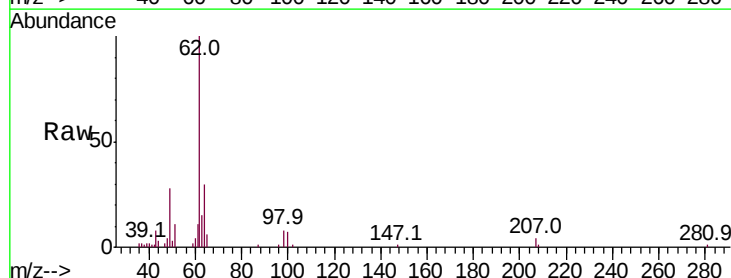
Acq: 02 Nov 2020 15:26

Tgt Ion: 62 Resp: 15091

Ion Ratio Lower Upper

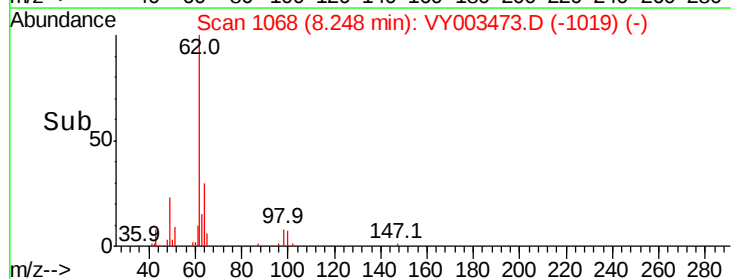
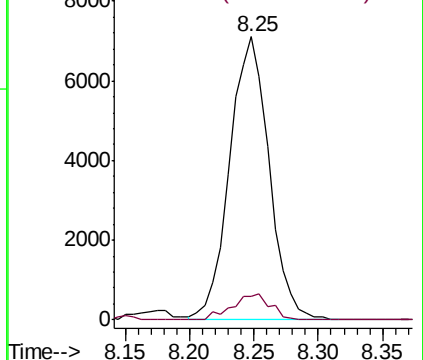
62 100

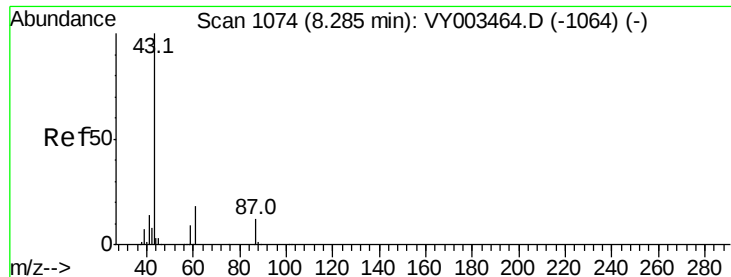
98 8.9 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 5.274 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.01 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2020

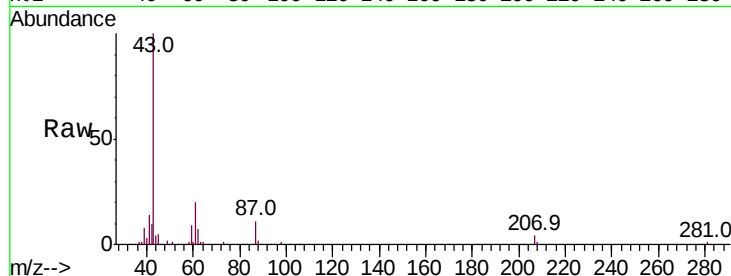
Tot Ion: 43 Resp: 18764

Ion Ratio Lower Upper

43 100

61 28.8 21.9 32.9

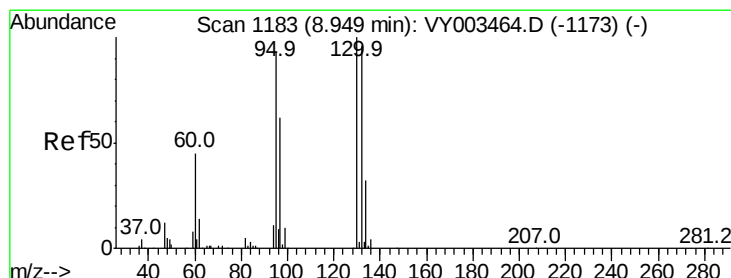
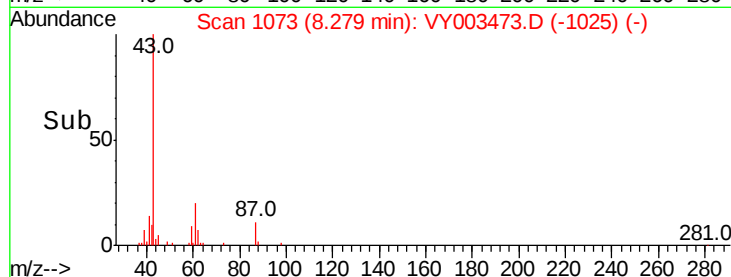
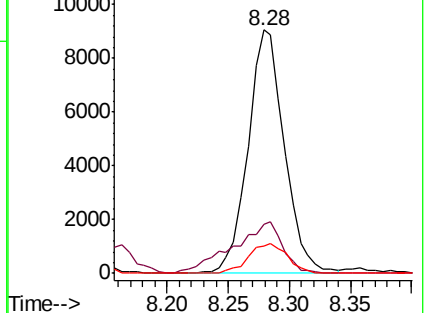
87 13.1 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VY003464.D (-1064) (-)

Ion 61.00 (60.70 to 61.70): VY003464.D (-1064) (-)

Ion 87.00 (86.70 to 87.70): VY003464.D (-1064) (-)



#44

Trichloroethene

Concen: 5.451 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VY003473.D

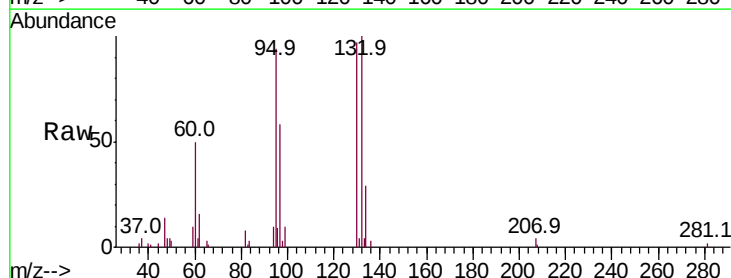
Acq: 02 Nov 2020 15:26

Tgt Ion:130 Resp: 13577

Ion Ratio Lower Upper

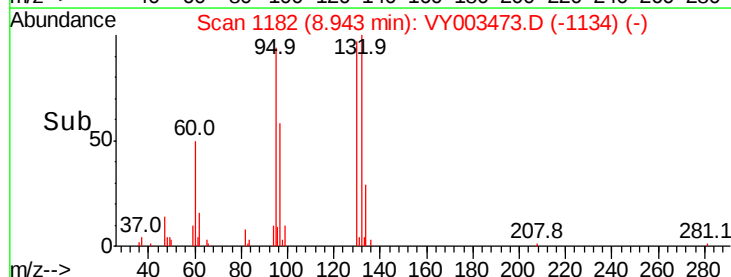
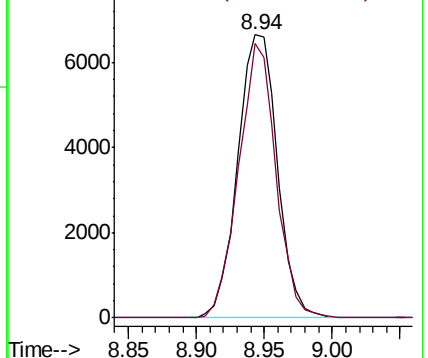
130 100

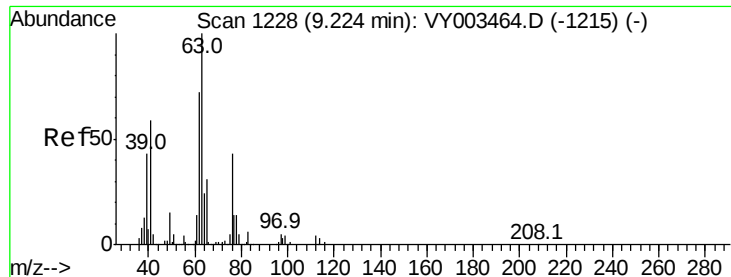
95 96.9 0.0 186.6



Abundance Ion 129.80 (129.50 to 130.50): VY003464.D (-1173) (-)

Ion 94.90 (94.60 to 95.60): VY003464.D (-1173) (-)





#45

1,2-Dichloropropane

Concen: 5.366 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

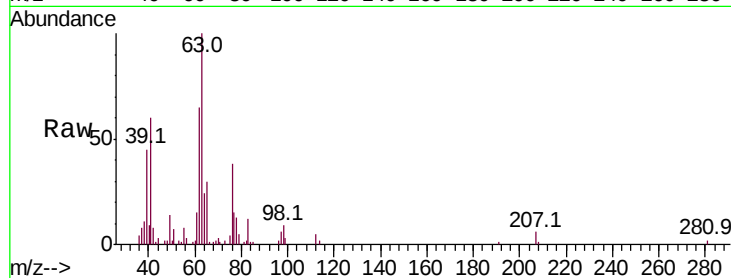
LOQ-SOIL-02-QT4-2020

Tot Ion: 63 Resp: 12022

Ion Ratio Lower Upper

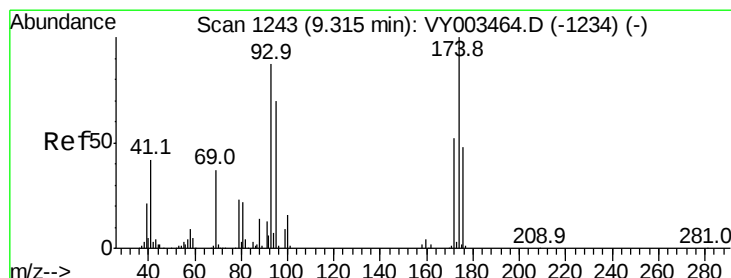
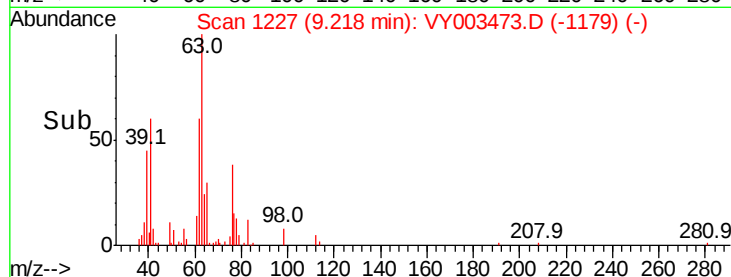
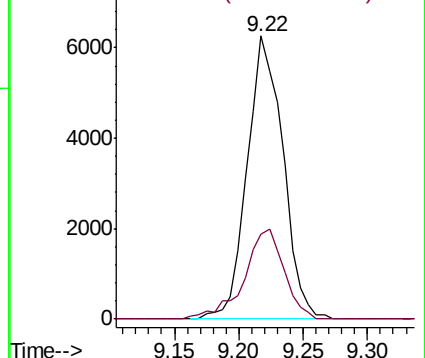
63 100

65 30.2 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 5.316 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

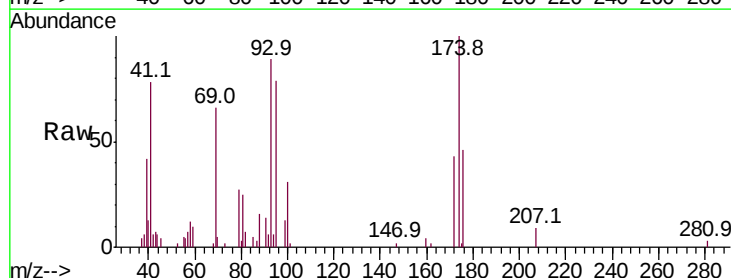
Tgt Ion: 93 Resp: 6553

Ion Ratio Lower Upper

93 100

95 83.0 65.0 97.6

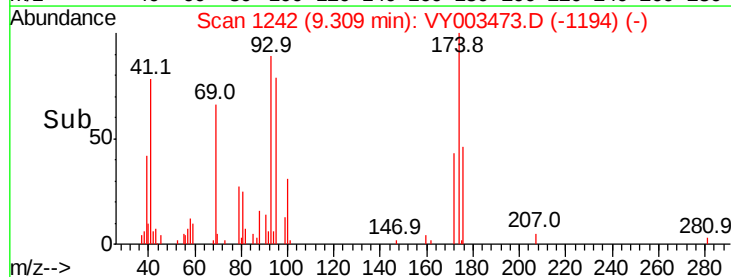
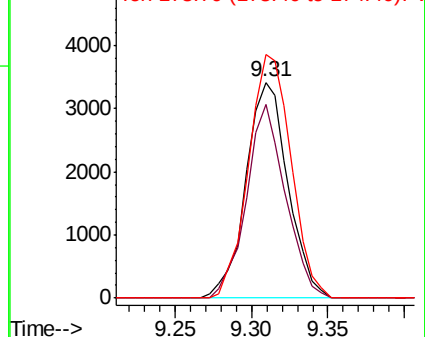
174 114.0 91.8 137.6

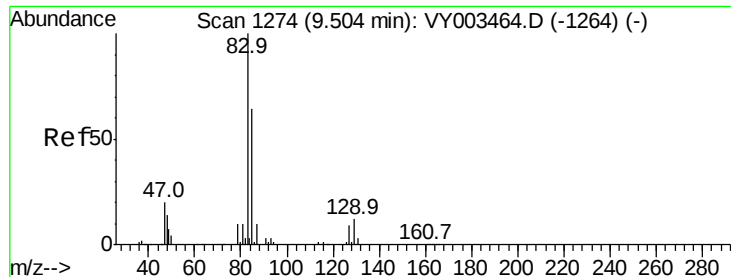


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.239 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2020

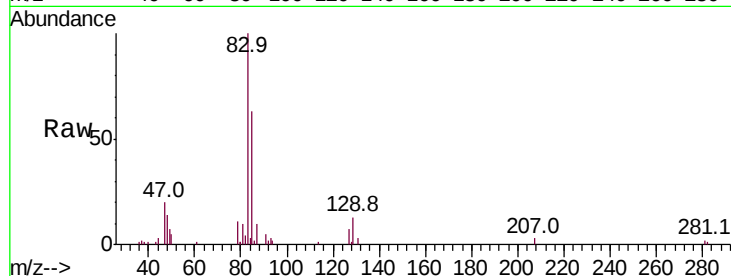
Tot Ion: 83 Resp: 15805

Ion Ratio Lower Upper

83 100

85 63.0 51.0 76.6

127 6.6 7.1 10.7#

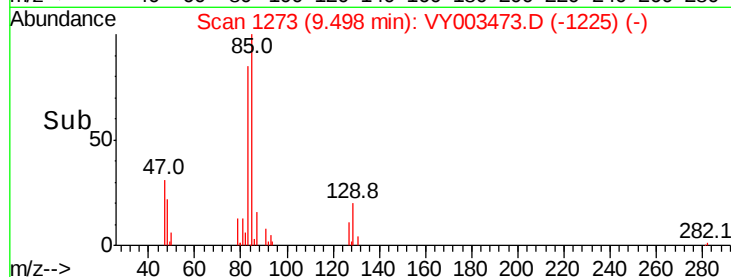


Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 126.80 (126.50 to 127.50): VY0

Time-->

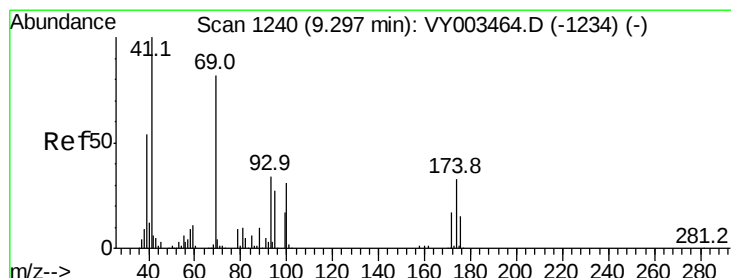


Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 126.80 (126.50 to 127.50): VY0

Time-->



#48

Methyl methacrylate

Concen: 4.967 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

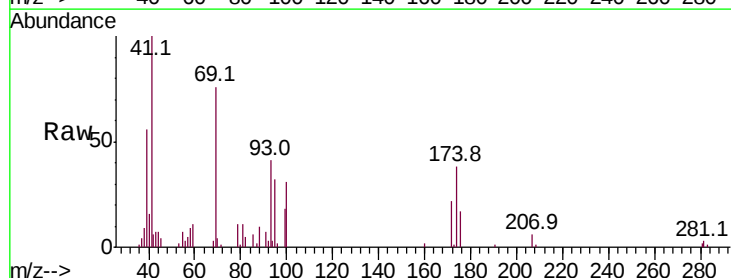
Tgt Ion: 41 Resp: 8325

Ion Ratio Lower Upper

41 100

69 84.4 65.9 98.9

39 60.5 43.2 64.8

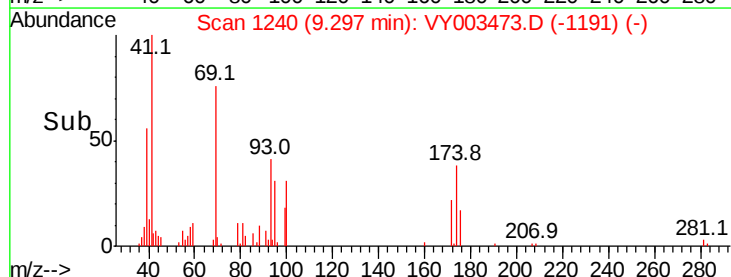


Abundance Ion 41.00 (40.70 to 41.70): VY0

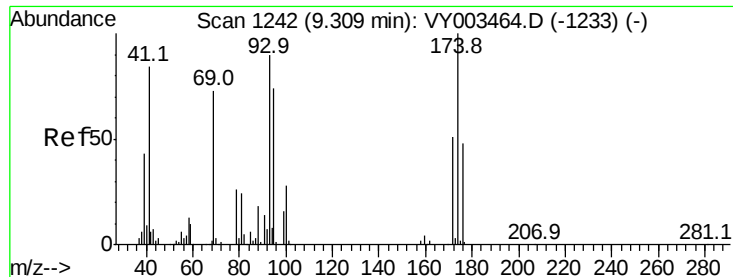
Ion 69.00 (68.70 to 69.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Time-->



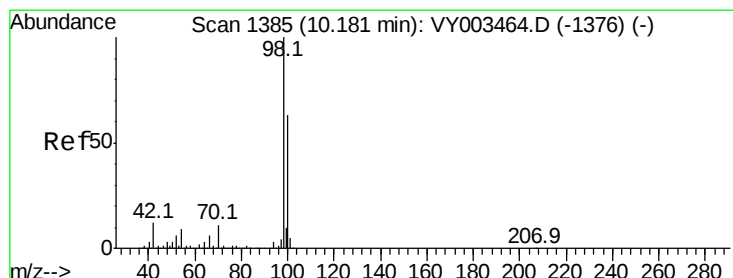
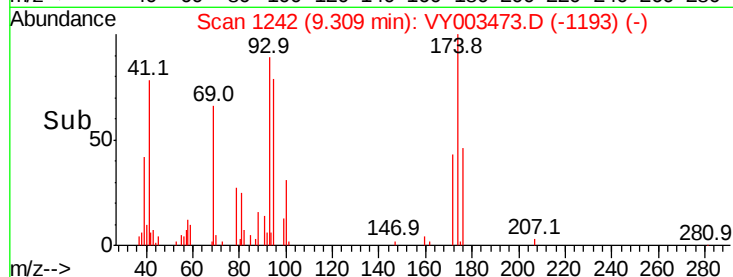
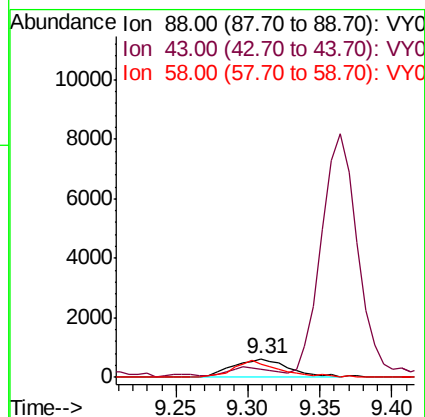
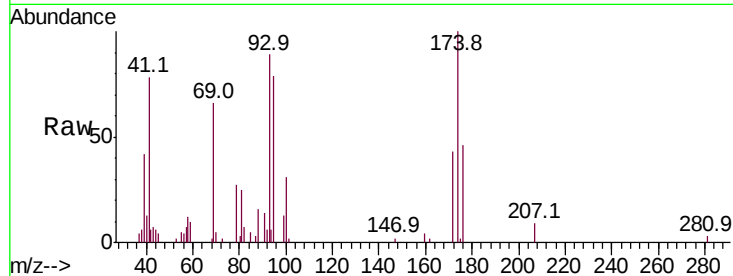
Time-->



#49  
1,4-Dioxane  
Concen: 108.252 ug/l  
RT: 9.31 min Scan# 1242  
Delta R.T. 0.00 min  
Lab File: VY003473.D  
Acq: 02 Nov 2020 15:26

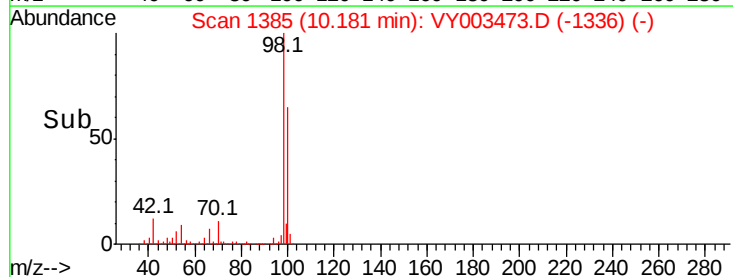
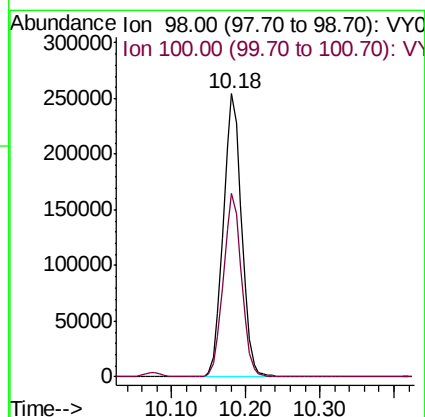
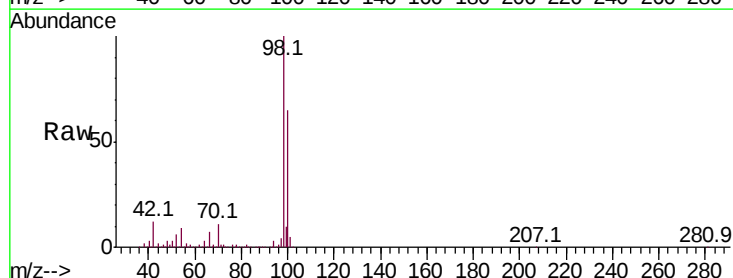
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

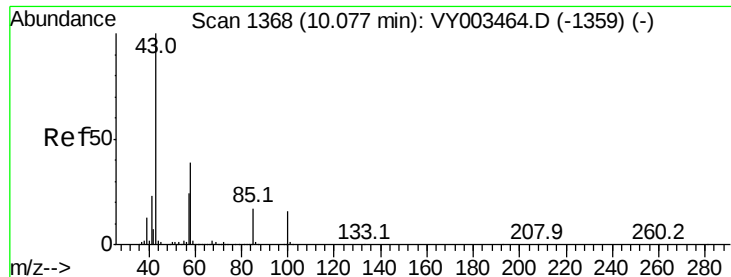
Tot Ion: 88 Resp: 1665  
Ion Ratio Lower Upper  
88 100  
43 32.6 27.6 41.4  
58 76.9 54.2 81.2



#50  
Toluene-d8  
Concen: 50.764 ug/l  
RT: 10.18 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VY003473.D  
Acq: 02 Nov 2020 15:26

Tgt Ion: 98 Resp: 434544  
Ion Ratio Lower Upper  
98 100  
100 64.4 50.9 76.3

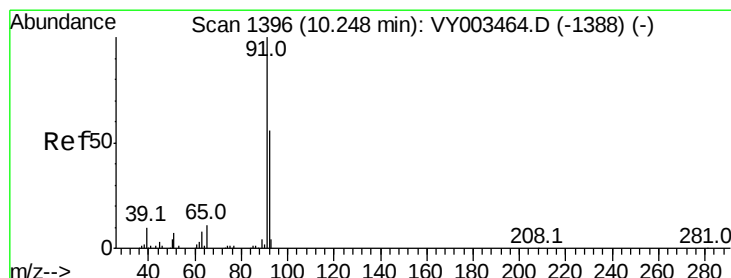
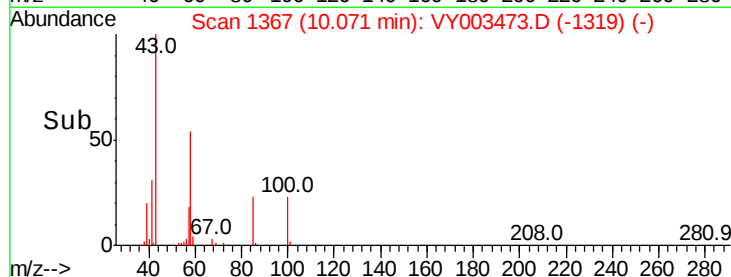
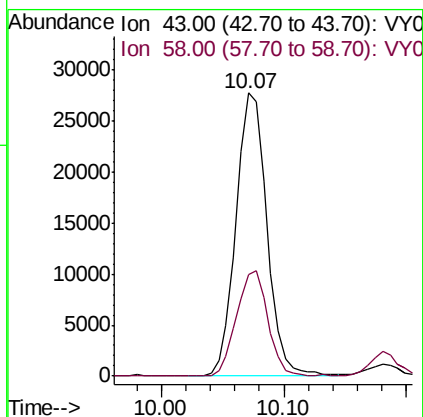
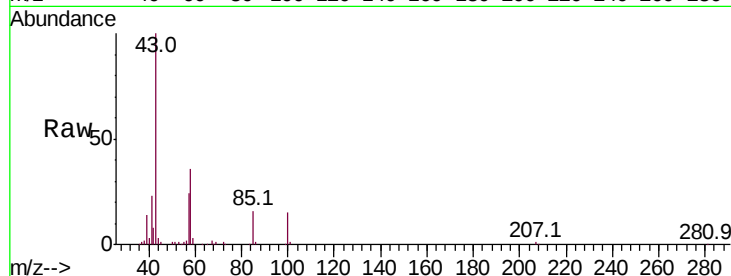




#51  
4-Methyl-2-Pentanone  
Concen: 25.700 ug/l  
RT: 10.07 min Scan# 1367  
Delta R.T. -0.01 min  
Lab File: VY003473.D  
Acq: 02 Nov 2020 15:26

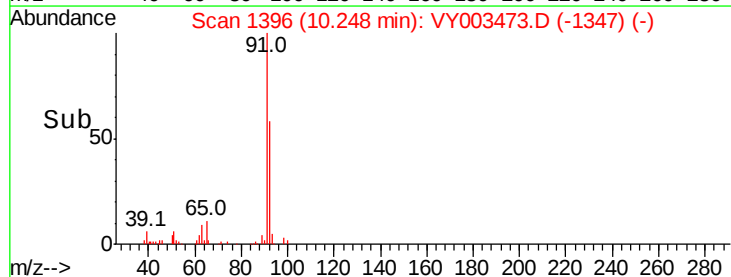
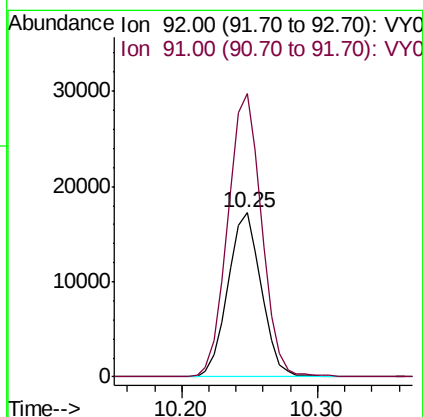
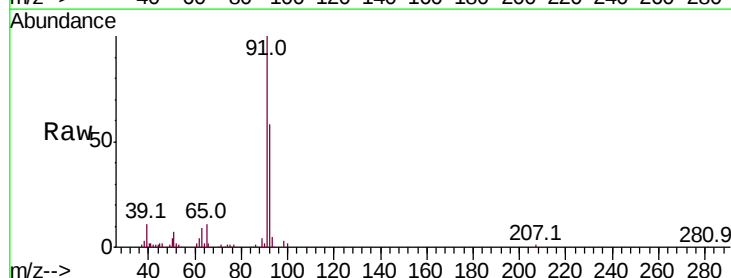
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

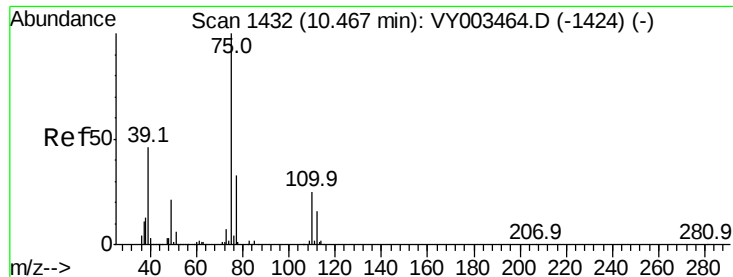
Tot Ion: 43 Resp: 48717  
Ion Ratio Lower Upper  
43 100  
58 37.9 31.0 46.4



#52  
Toluene  
Concen: 5.329 ug/l  
RT: 10.25 min Scan# 1396  
Delta R.T. 0.00 min  
Lab File: VY003473.D  
Acq: 02 Nov 2020 15:26

Tgt Ion: 92 Resp: 29570  
Ion Ratio Lower Upper  
92 100  
91 173.9 140.2 210.4





#53

t-1,3-Dichloropropene

Concen: 5.196 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

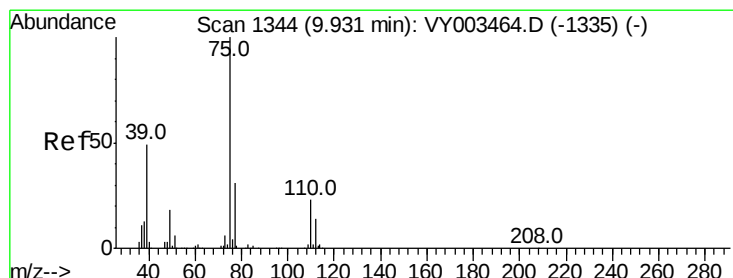
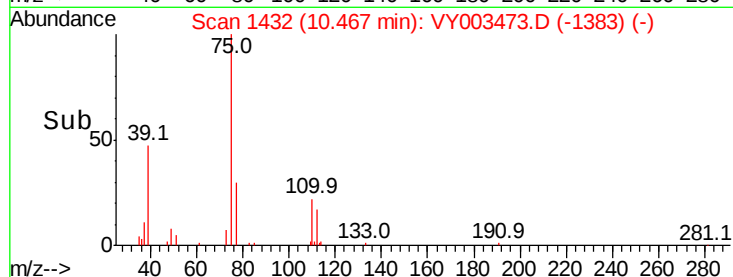
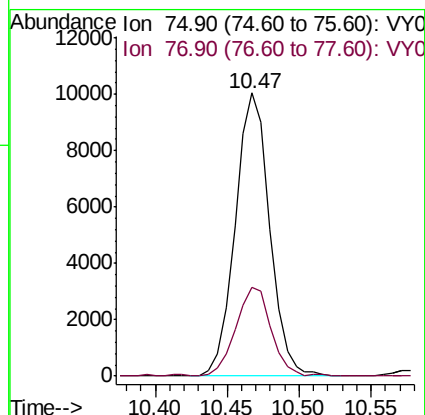
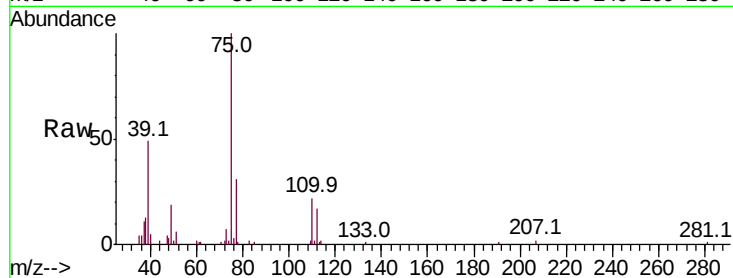
LOQ-SOIL-02-QT4-2020

Tot Ion: 75 Resp: 16682

Ion Ratio Lower Upper

75 100

77 31.4 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 5.162 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

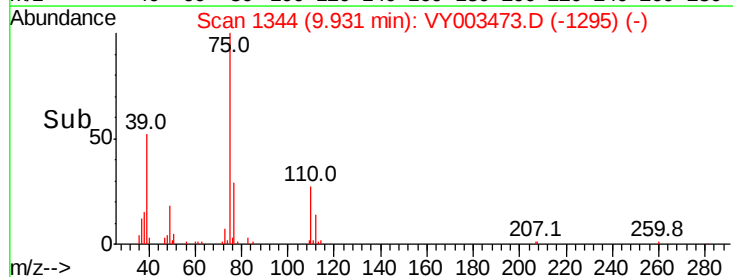
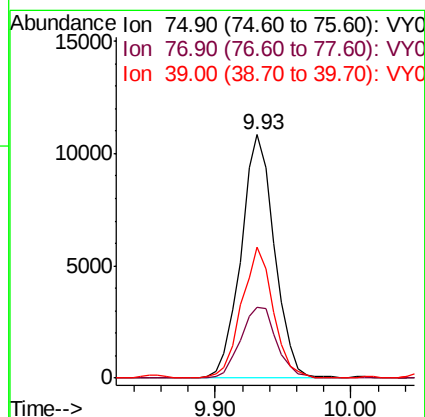
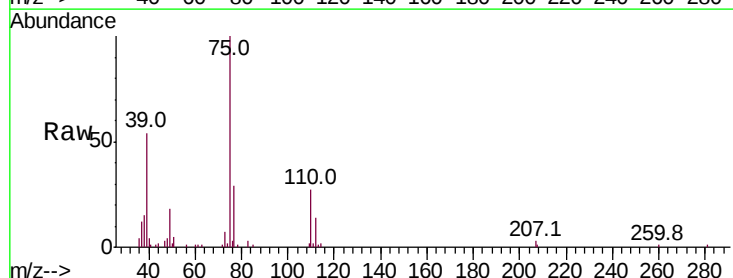
Tgt Ion: 75 Resp: 18649

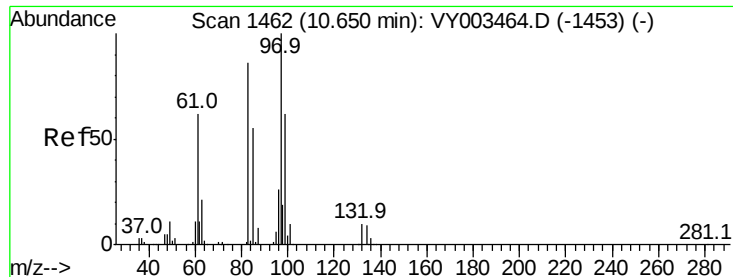
Ion Ratio Lower Upper

75 100

77 29.3 24.5 36.7

39 53.7 39.0 58.4

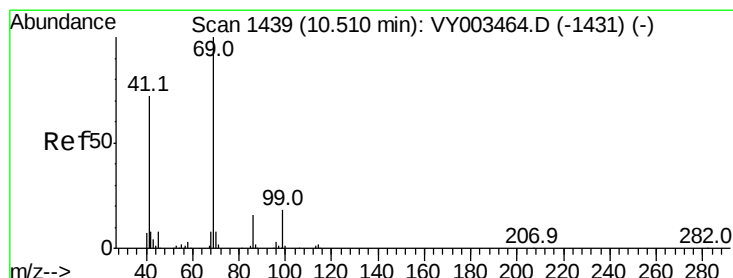
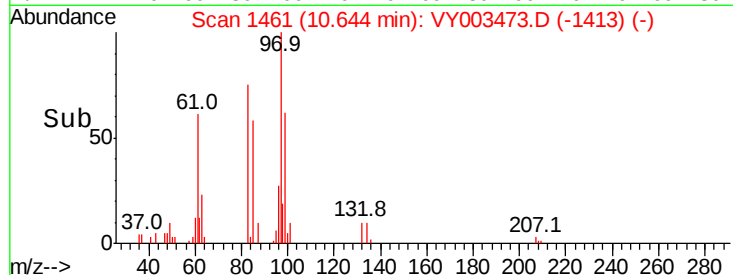
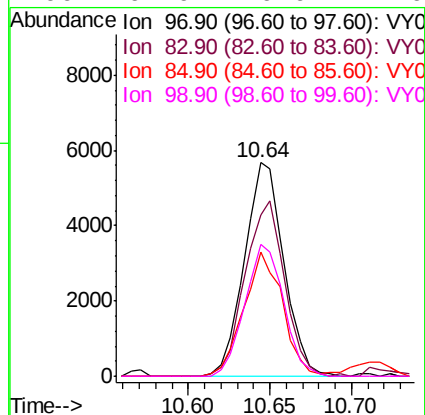
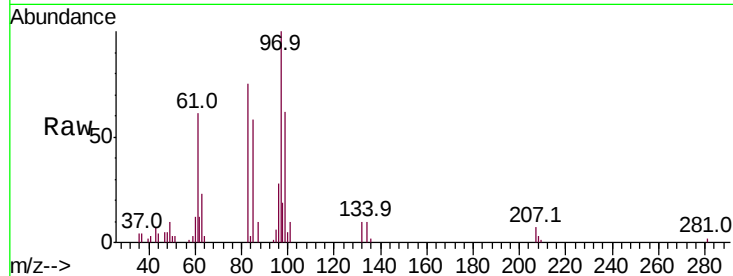




#55  
 1,1,2-Trichloroethane  
 Concen: 5.467 ug/l  
 RT: 10.64 min Scan# 1461  
 Delta R.T. -0.01 min  
 Lab File: VY003473.D  
 Acq: 02 Nov 2020 15:26

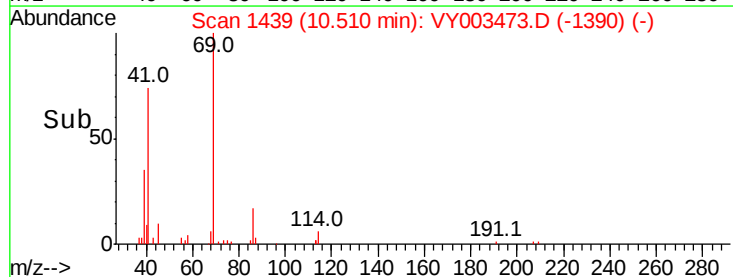
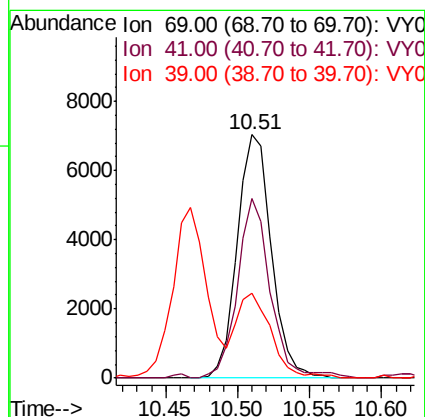
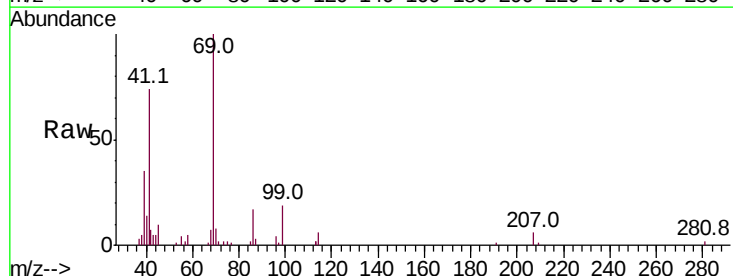
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOQ-SOIL-02-QT4-2020

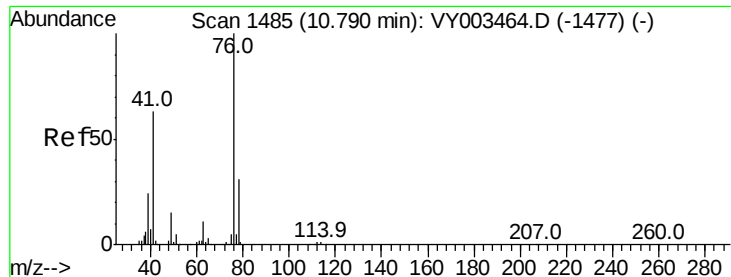
Tot Ion: 97 Resp: 9566  
 Ion Ratio Lower Upper  
 97 100  
 83 75.3 68.6 102.8  
 85 58.2 43.8 65.6  
 99 61.9 49.9 74.9



#56  
 Ethyl methacrylate  
 Concen: 4.961 ug/l  
 RT: 10.51 min Scan# 1439  
 Delta R.T. 0.00 min  
 Lab File: VY003473.D  
 Acq: 02 Nov 2020 15:26

Tgt Ion: 69 Resp: 11627  
 Ion Ratio Lower Upper  
 69 100  
 41 71.2 55.4 83.2  
 39 35.7 28.7 43.1





#57

1,3-Dichloropropane

Concen: 5.203 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

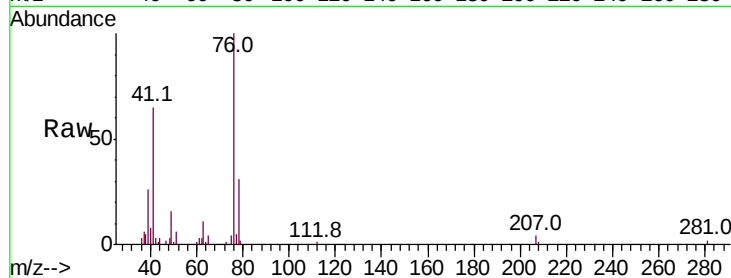
LOQ-SOIL-02-QT4-2020

Tot Ion: 76 Resp: 15831

Ion Ratio Lower Upper

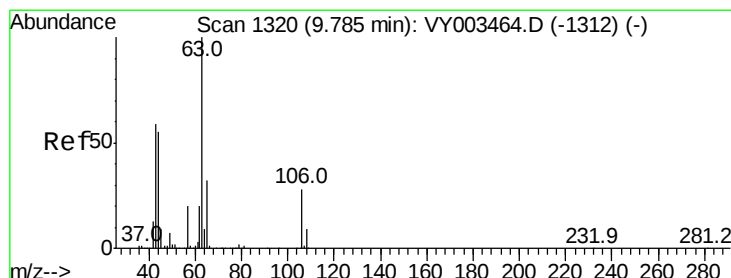
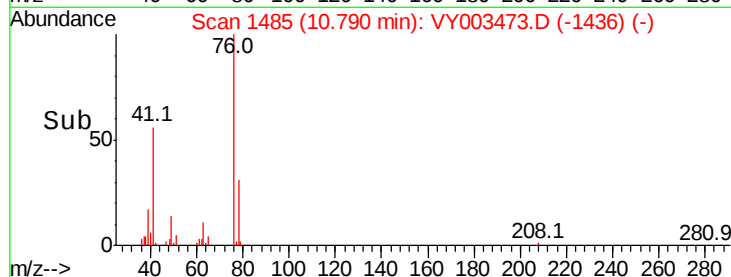
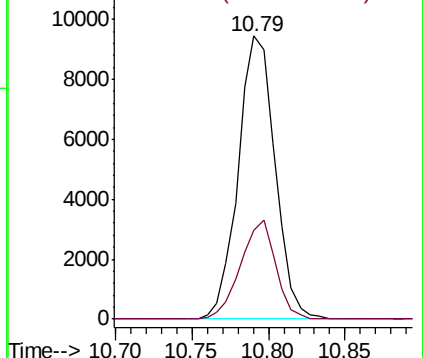
76 100

78 33.2 25.8 38.8



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: 24.998 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY003473.D

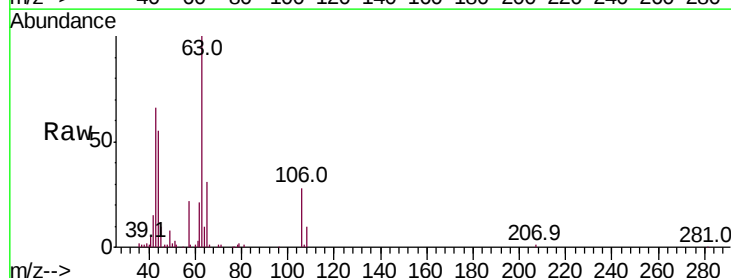
Acq: 02 Nov 2020 15:26

Tgt Ion: 63 Resp: 29702

Ion Ratio Lower Upper

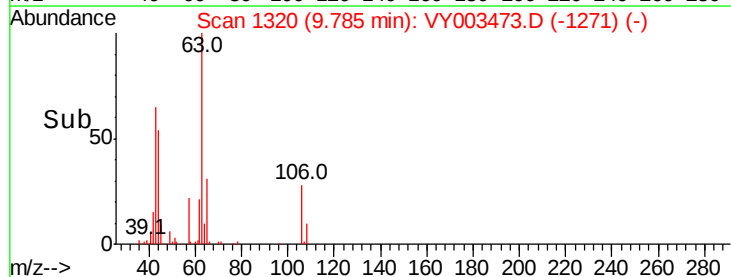
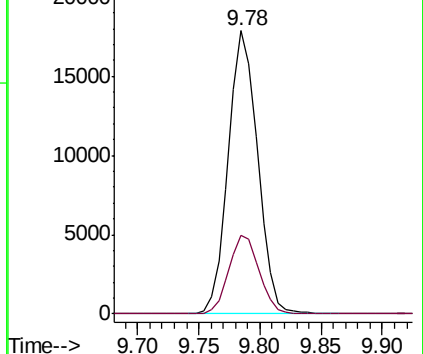
63 100

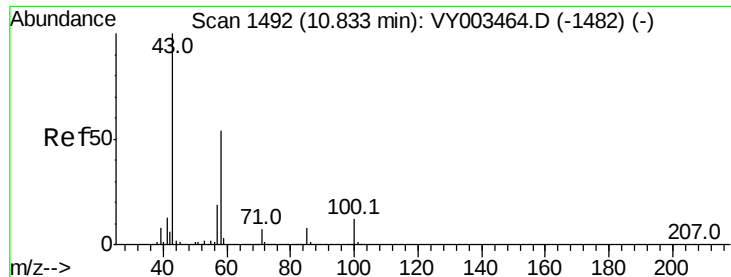
106 28.4 22.3 33.5



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

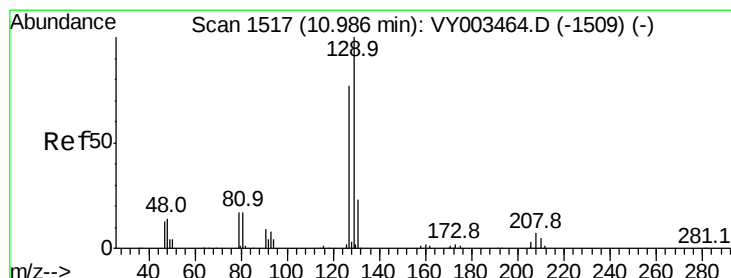
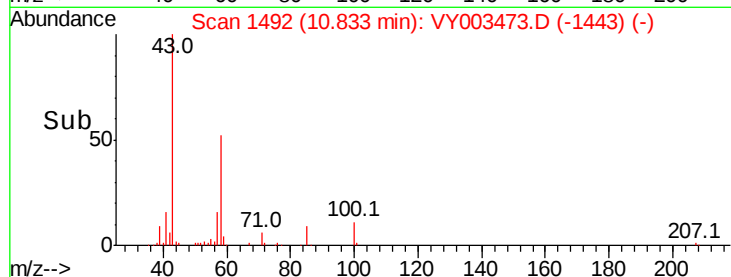
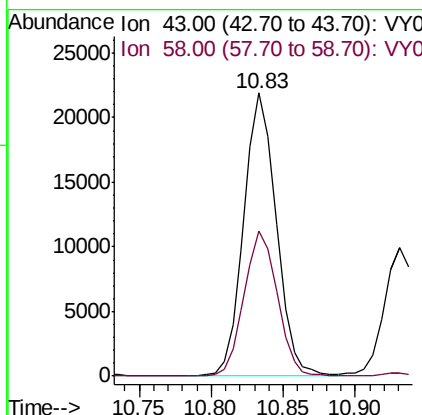
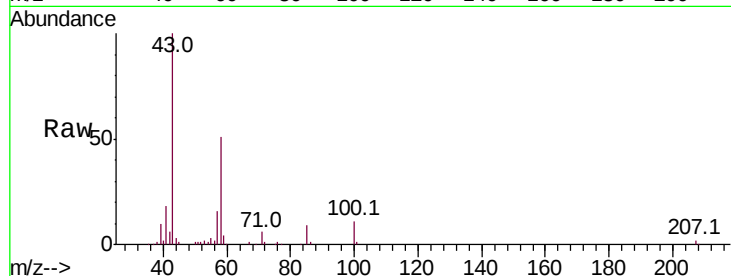




#59  
2-Hexanone  
Concen: 24.476 ug/l  
RT: 10.83 min Scan# 1492  
Delta R.T. 0.00 min  
Lab File: VY003473.D  
Acq: 02 Nov 2020 15:26

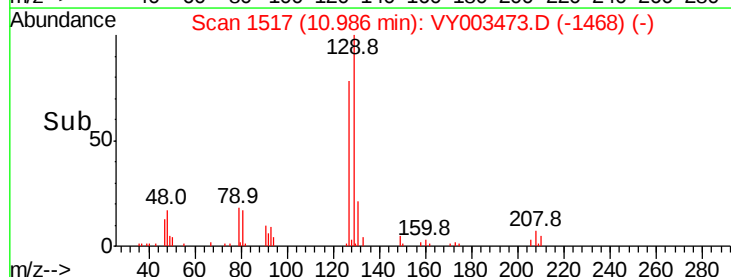
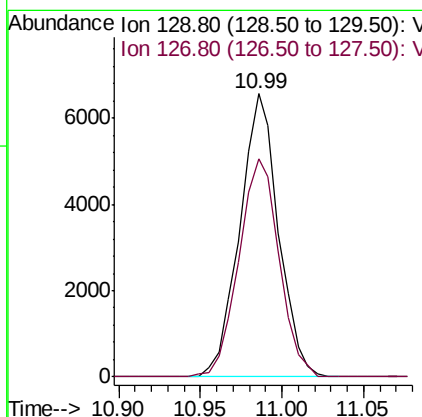
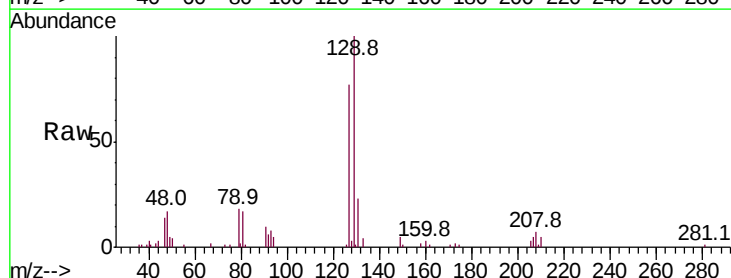
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

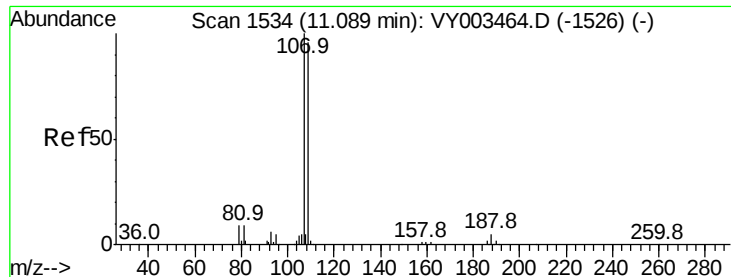
Tot Ion: 43 Resp: 34353  
Ion Ratio Lower Upper  
43 100  
58 52.2 26.8 80.3



#60  
Dibromochloromethane  
Concen: 5.046 ug/l  
RT: 10.99 min Scan# 1517  
Delta R.T. 0.00 min  
Lab File: VY003473.D  
Acq: 02 Nov 2020 15:26

Tgt Ion: 129 Resp: 10852  
Ion Ratio Lower Upper  
129 100  
127 80.1 38.8 116.3

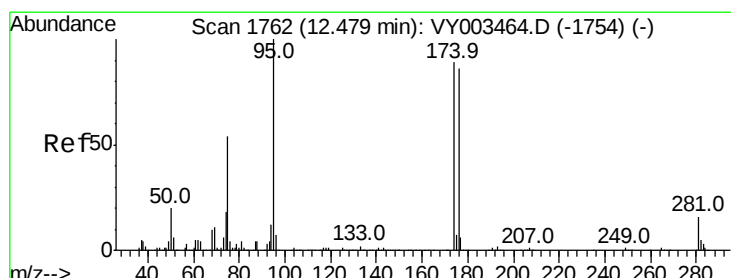
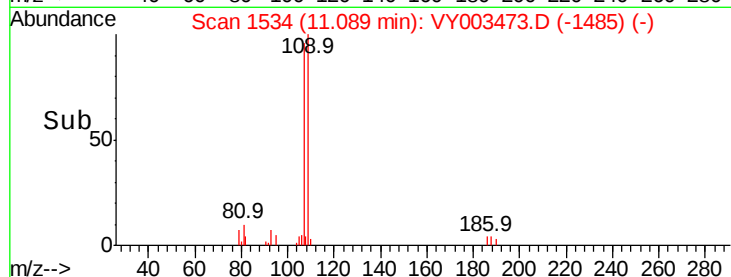
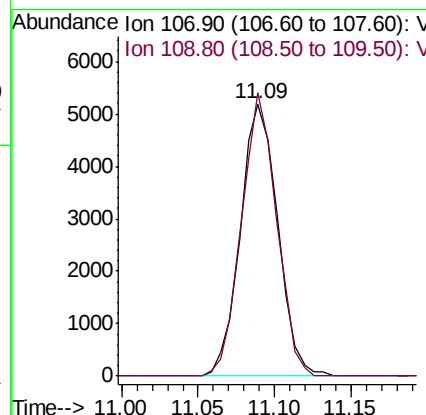
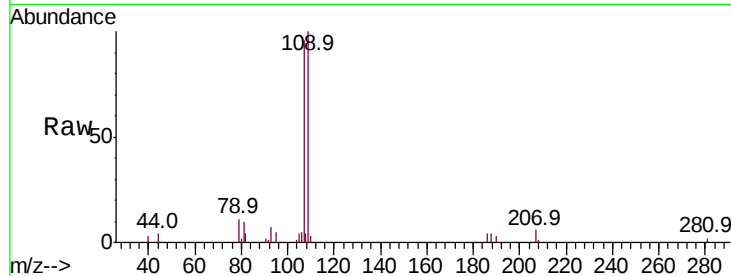




#61  
 1,2-Dibromoethane  
 Concen: 5.203 ug/l  
 RT: 11.09 min Scan# 1534  
 Delta R.T. 0.00 min  
 Lab File: VY003473.D  
 Acq: 02 Nov 2020 15:26

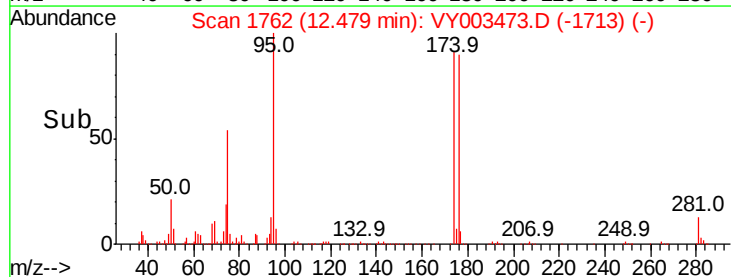
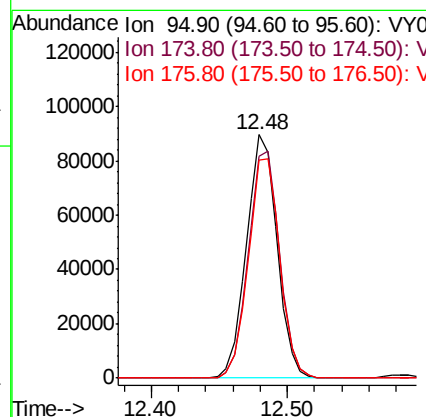
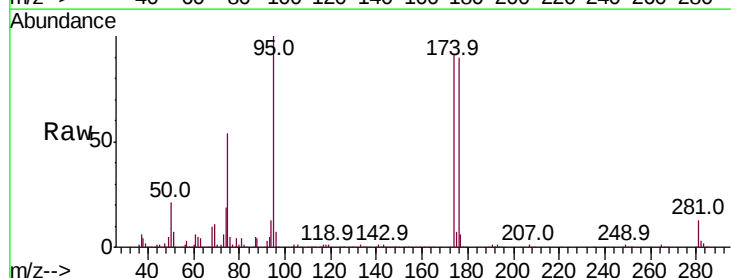
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOQ-SOIL-02-QT4-2020

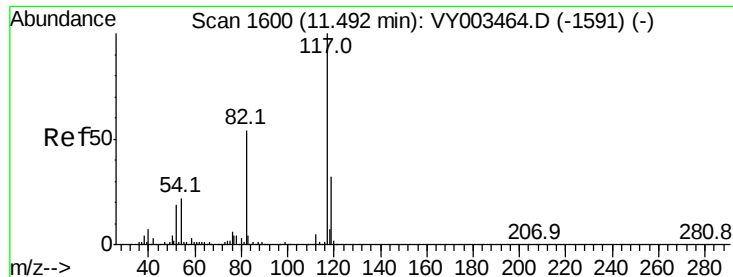
Tot Ion: 107 Resp: 8790  
 Ion Ratio Lower Upper  
 107 100  
 109 97.7 76.5 114.7



#62  
 4-Bromofluorobenzene  
 Concen: 49.747 ug/l  
 RT: 12.48 min Scan# 1762  
 Delta R.T. 0.00 min  
 Lab File: VY003473.D  
 Acq: 02 Nov 2020 15:26

Tgt Ion: 95 Resp: 141094  
 Ion Ratio Lower Upper  
 95 100  
 174 95.4 0.0 193.0  
 176 92.8 0.0 187.4

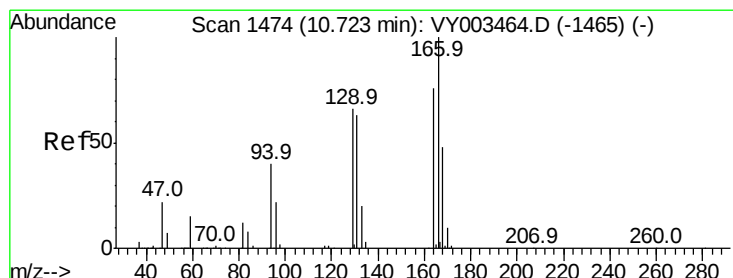
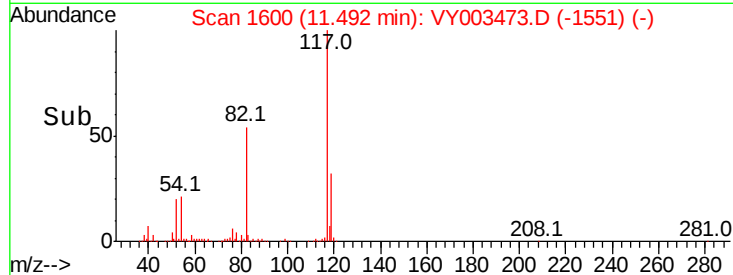
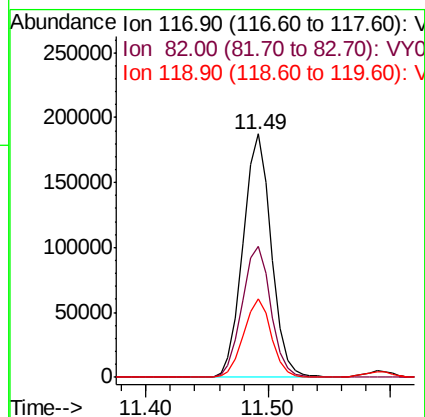
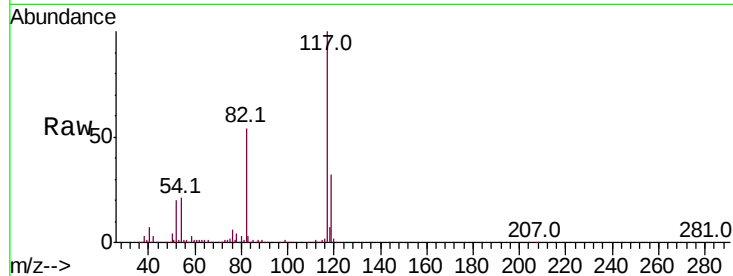




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VY003473.D  
Acq: 02 Nov 2020 15:26

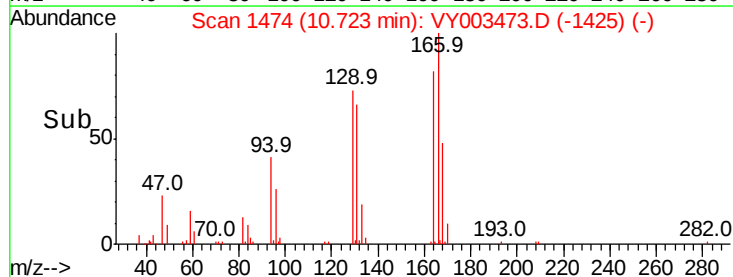
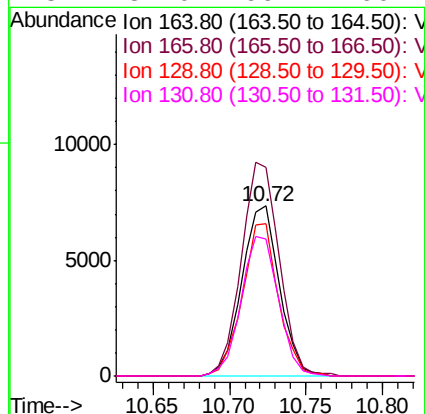
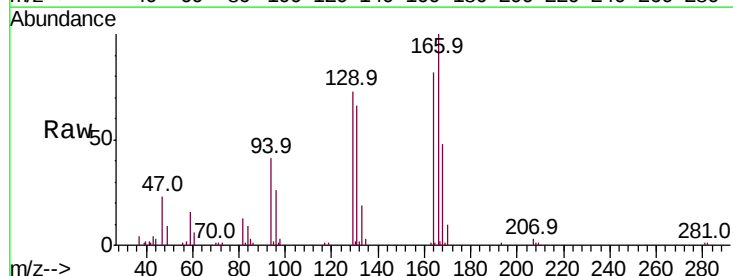
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

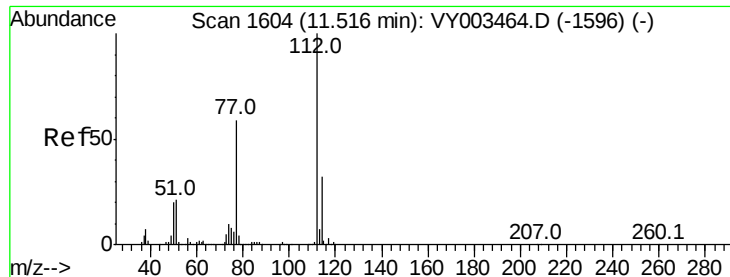
Tot Ion:117 Resp: 300054  
Ion Ratio Lower Upper  
117 100  
82 53.8 43.4 65.2  
119 32.0 25.8 38.6



#64  
Tetrachloroethene  
Concen: 5.616 ug/l  
RT: 10.72 min Scan# 1474  
Delta R.T. 0.00 min  
Lab File: VY003473.D  
Acq: 02 Nov 2020 15:26

Tgt Ion:164 Resp: 12584  
Ion Ratio Lower Upper  
164 100  
166 122.5 104.9 157.3  
129 89.3 68.9 103.3  
131 81.0 66.2 99.2

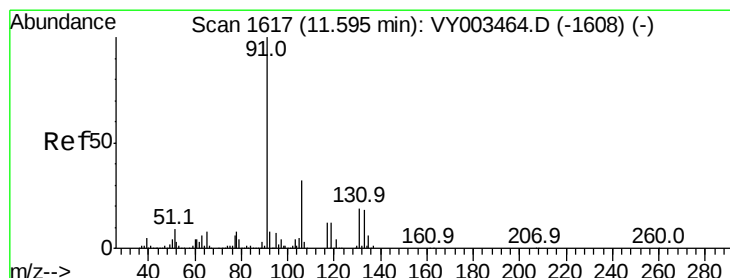
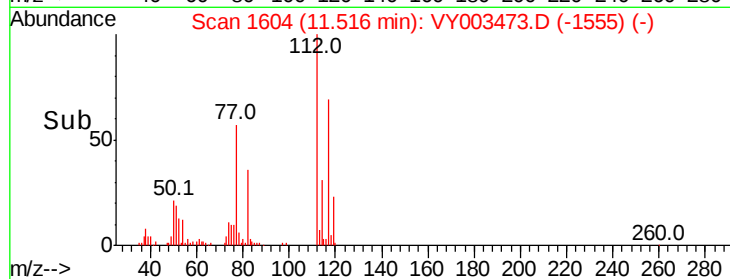
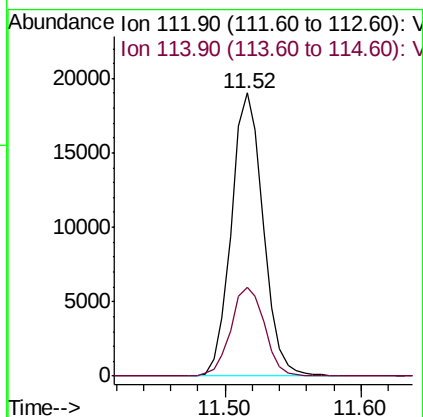
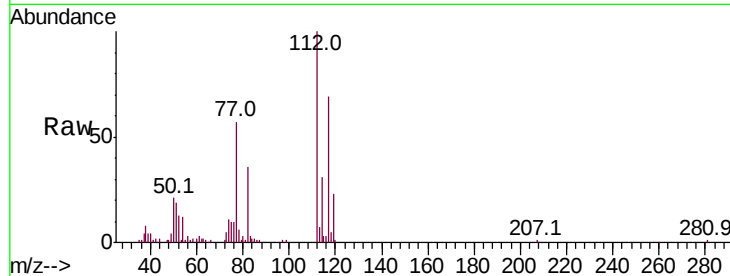




#65  
Chlorobenzene  
Concen: 5.328 ug/l  
RT: 11.52 min Scan# 1604  
Delta R.T. 0.00 min  
Lab File: VY003473.D  
Acq: 02 Nov 2020 15:26

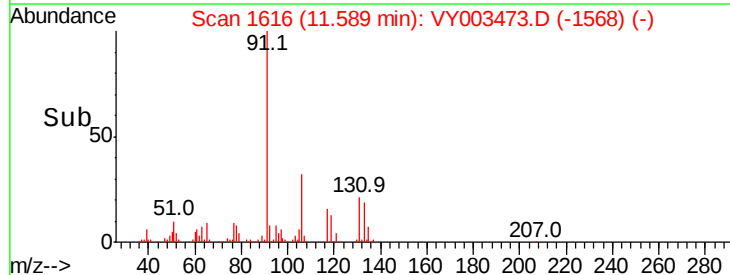
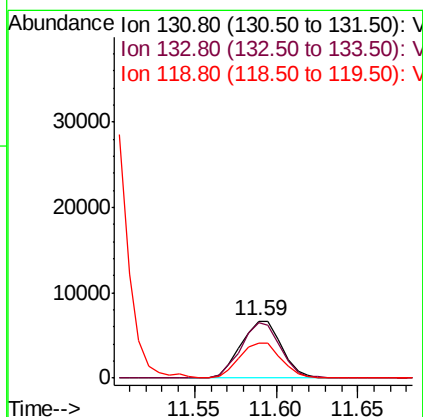
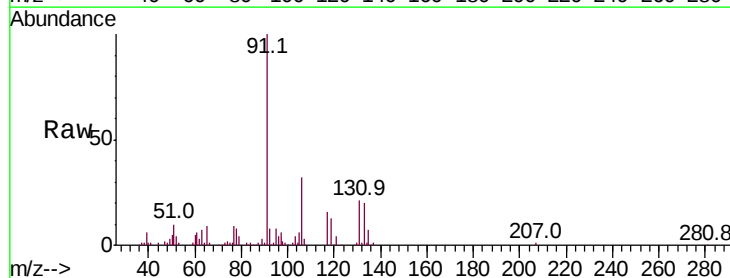
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

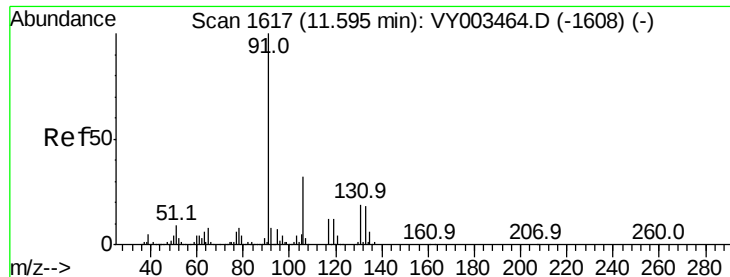
Tot Ion:112 Resp: 31057  
Ion Ratio Lower Upper  
112 100  
114 31.4 25.5 38.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 5.334 ug/l  
RT: 11.59 min Scan# 1616  
Delta R.T. -0.01 min  
Lab File: VY003473.D  
Acq: 02 Nov 2020 15:26

Tgt Ion:131 Resp: 11726  
Ion Ratio Lower Upper  
131 100  
133 93.9 47.4 142.2  
119 62.5 31.6 95.0

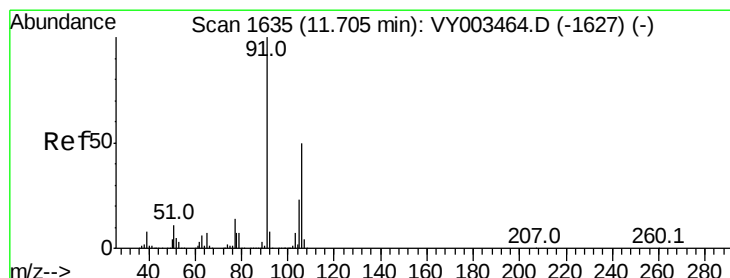
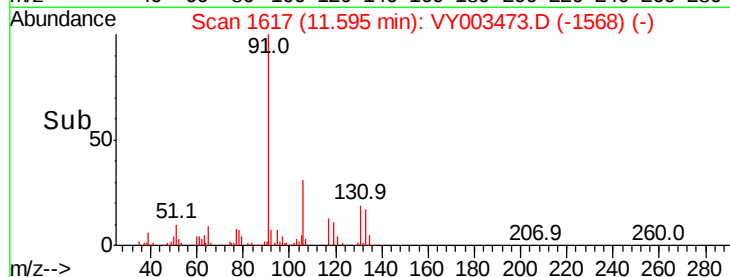
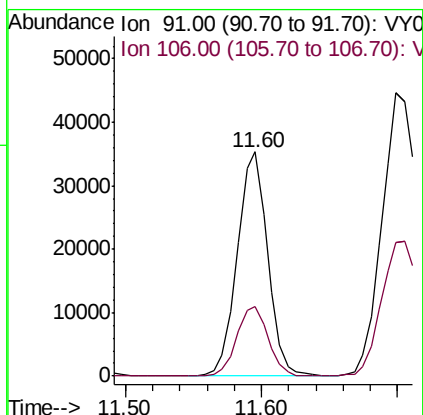
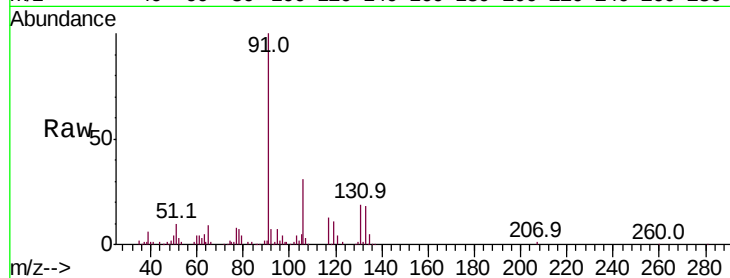




#67  
Ethyl Benzene  
Concen: 5.213 ug/l  
RT: 11.60 min Scan# 1617  
Delta R.T. 0.00 min  
Lab File: VY003473.D  
Acq: 02 Nov 2020 15:26

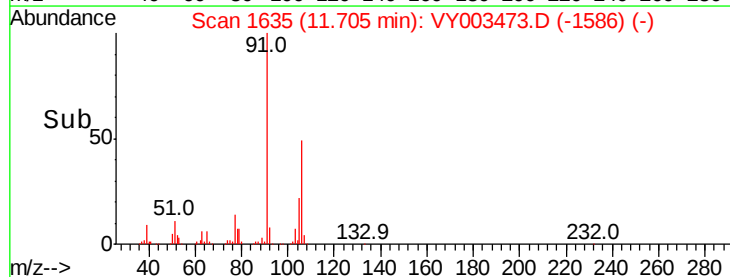
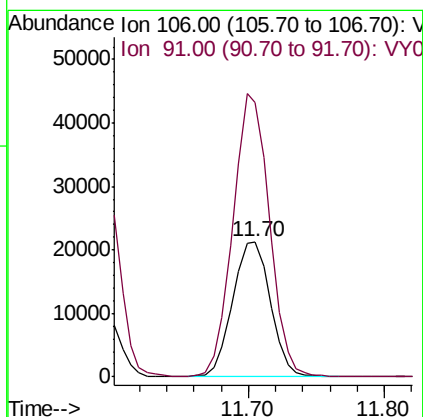
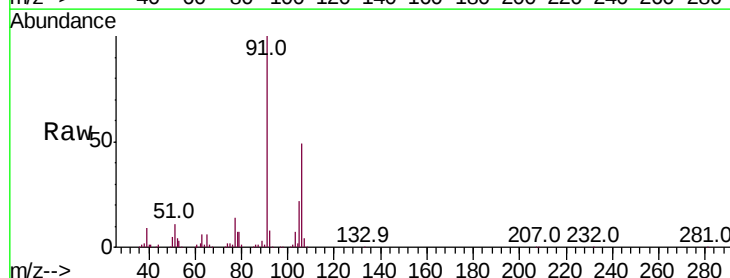
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

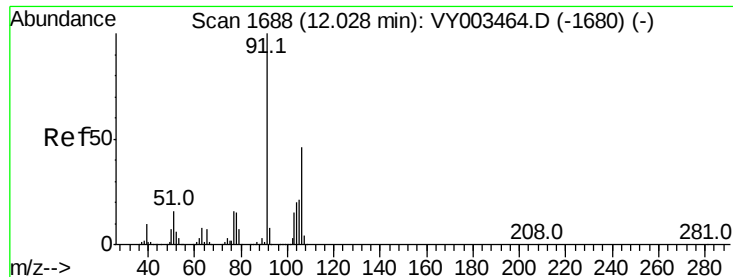
Tot Ion: 91 Resp: 55099  
Ion Ratio Lower Upper  
91 100  
106 31.1 25.4 38.0



#68  
m/p-Xylenes  
Concen: 10.311 ug/l  
RT: 11.70 min Scan# 1635  
Delta R.T. 0.00 min  
Lab File: VY003473.D  
Acq: 02 Nov 2020 15:26

Tgt Ion: 106 Resp: 41300  
Ion Ratio Lower Upper  
106 100  
91 202.2 161.0 241.6

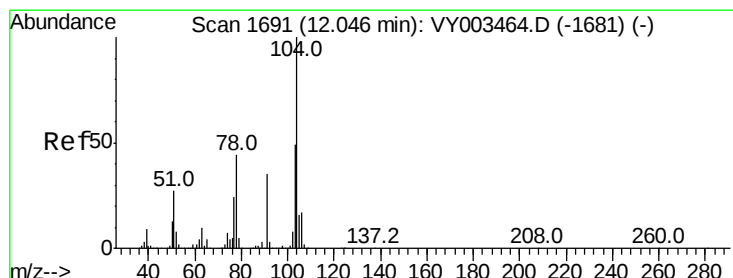
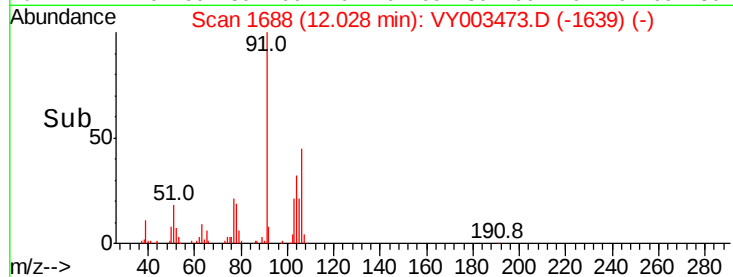
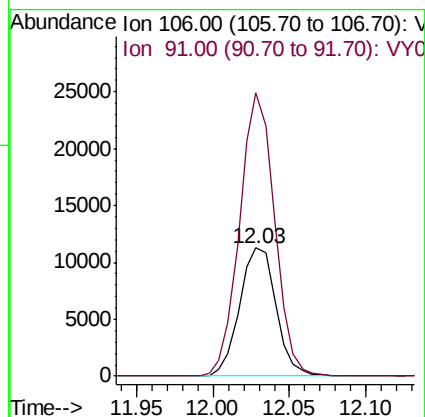
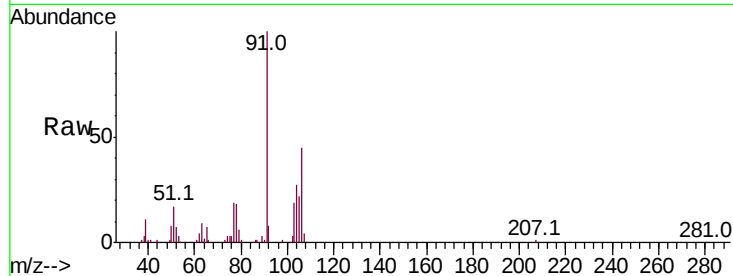




#69  
o-Xylene  
Concen: 5.050 ug/l  
RT: 12.03 min Scan# 1688  
Delta R.T. 0.00 min  
Lab File: VY003473.D  
Acq: 02 Nov 2020 15:26

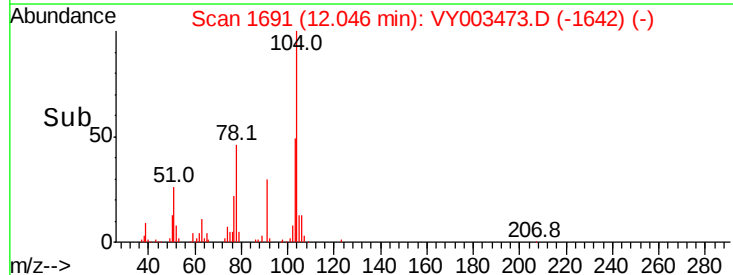
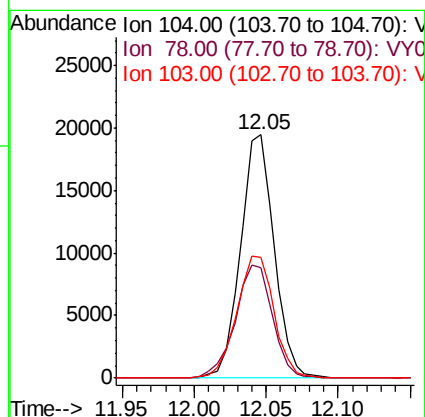
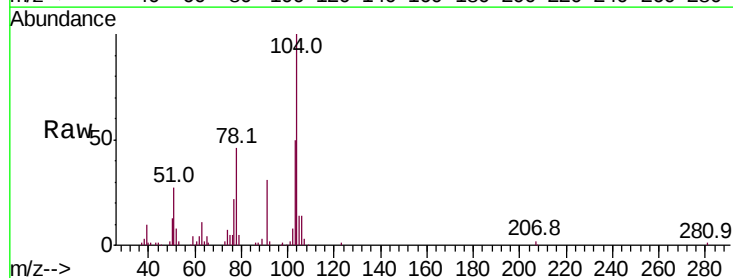
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

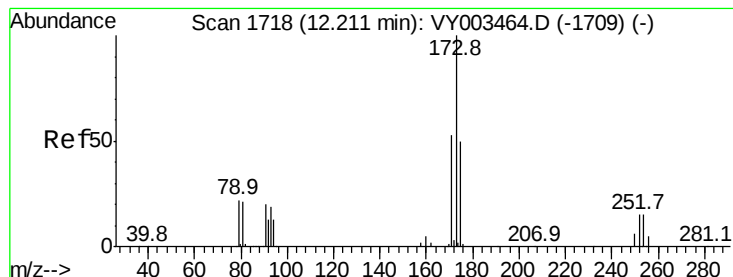
Tot Ion:106 Resp: 18606  
Ion Ratio Lower Upper  
106 100  
91 212.3 105.5 316.5



#70  
Styrene  
Concen: 5.020 ug/l  
RT: 12.05 min Scan# 1691  
Delta R.T. 0.00 min  
Lab File: VY003473.D  
Acq: 02 Nov 2020 15:26

Tgt Ion:104 Resp: 31406  
Ion Ratio Lower Upper  
104 100  
78 51.6 39.5 59.3  
103 56.0 44.2 66.2





#71

Bromoform

Concen: 5.090 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2020

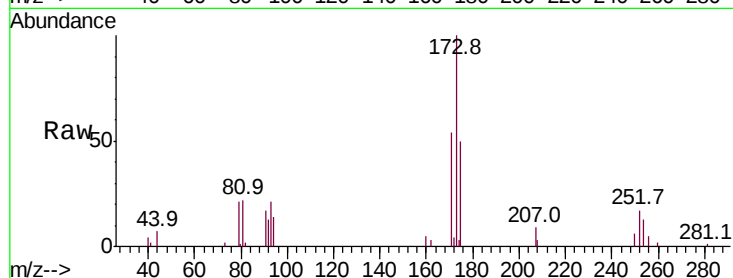
Tot Ion:173 Resp: 7459

Ion Ratio Lower Upper

173 100

175 48.7 24.7 74.1

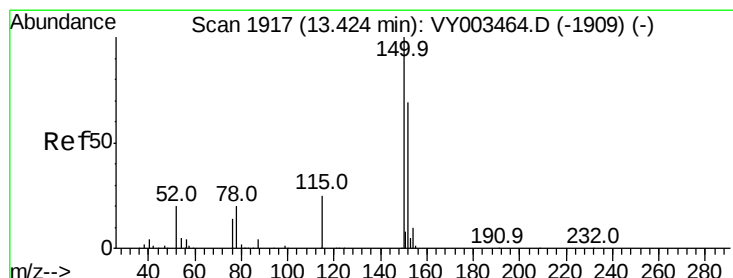
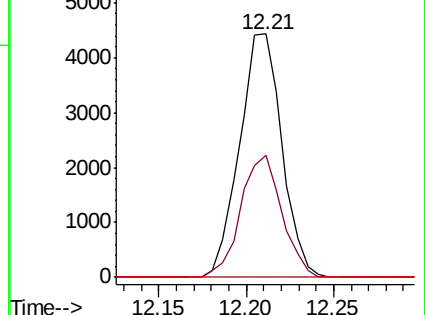
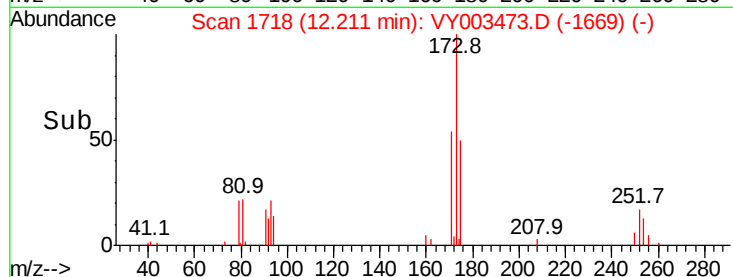
254 0.0 0.2 0.2#



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: VY003473.D

Acq: 02 Nov 2020 15:26

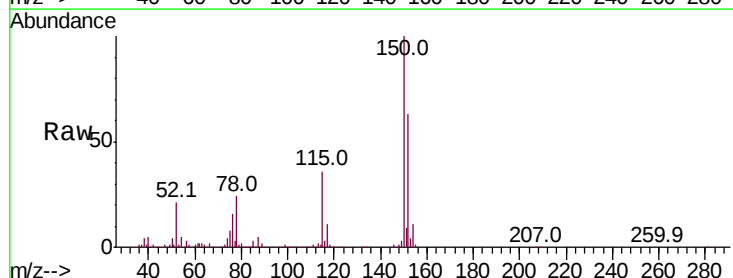
Tgt Ion:152 Resp: 150698

Ion Ratio Lower Upper

152 100

115 55.2 27.5 82.4

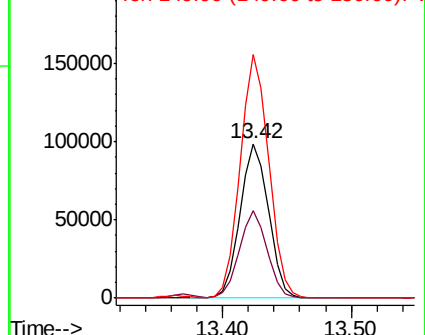
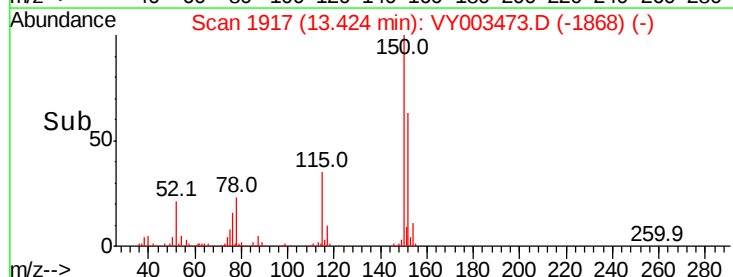
150 158.6 0.0 345.8

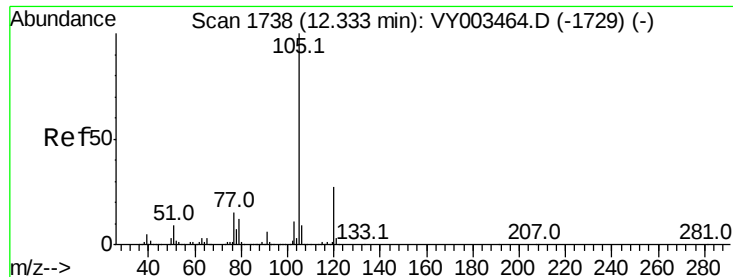


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.350 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.01 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

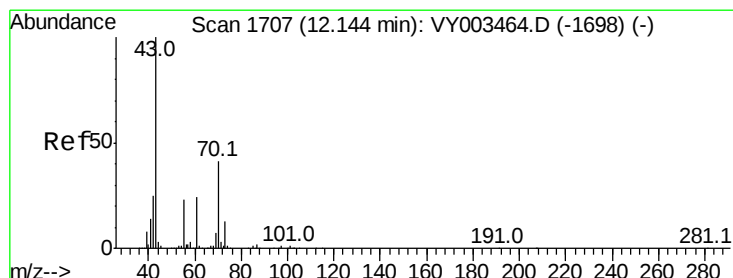
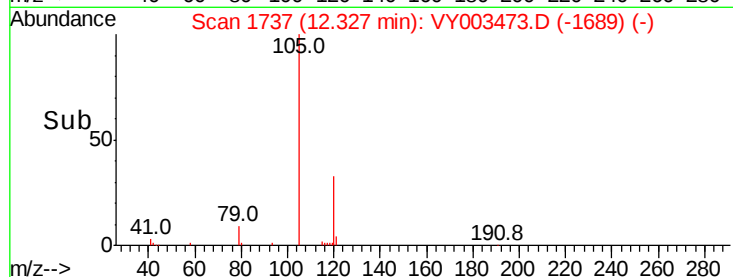
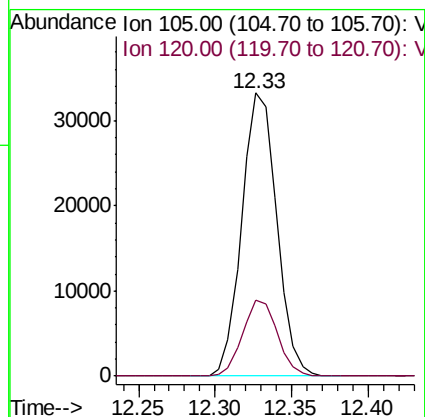
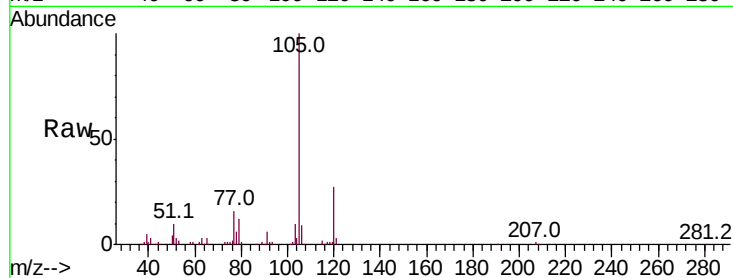
LOQ-SOIL-02-QT4-2020

Tot Ion:105 Resp: 52662

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.5



#74

N-ethyl acetate

Concen: 5.174 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Tgt Ion: 43 Resp: 14426

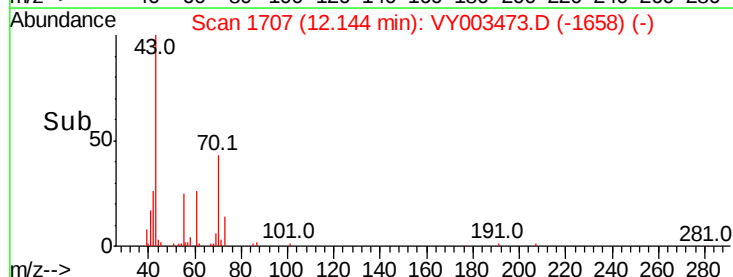
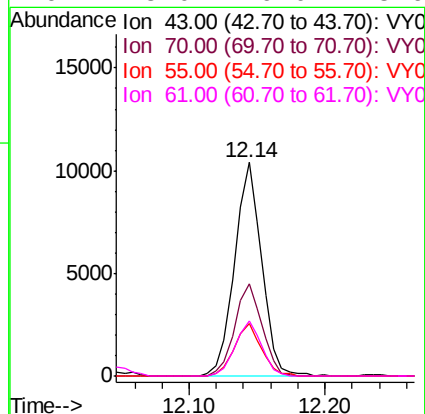
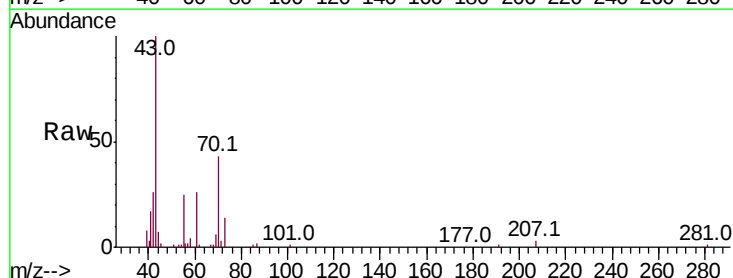
Ion Ratio Lower Upper

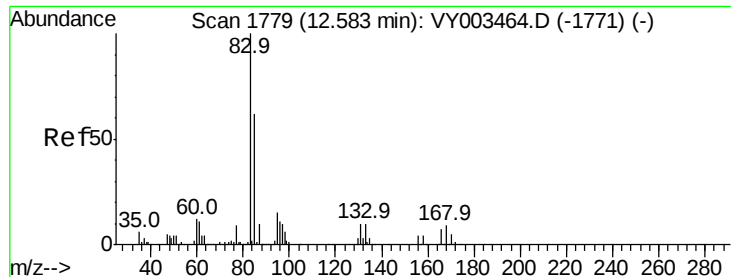
43 100

70 43.5 33.1 49.7

55 24.6 19.2 28.8

61 25.0 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.548 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2020

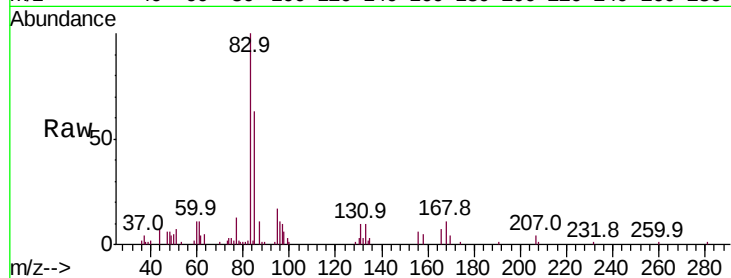
Tot Ion: 83 Resp: 11665

Ion Ratio Lower Upper

83 100

131 11.0 5.4 16.2

85 62.6 32.0 96.2

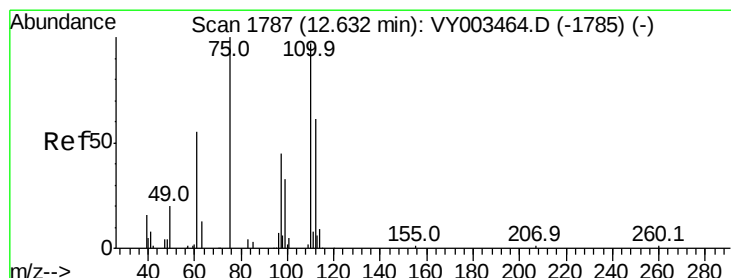
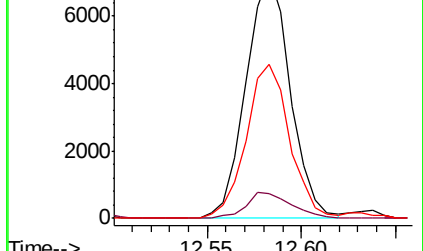
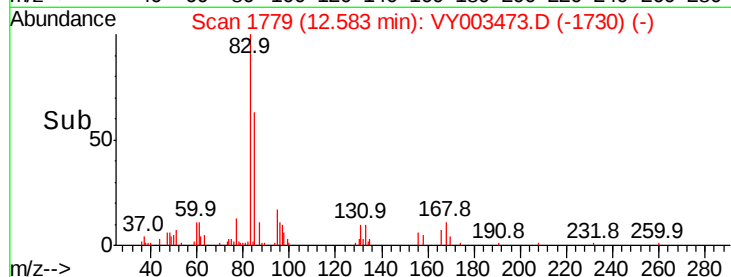


Abundance Ion 82.90 (82.60 to 83.60): VY003464.D (-1771) (-)

Ion 130.80 (130.50 to 131.50): VY003464.D (-1771) (-)

Ion 84.90 (84.60 to 85.60): VY003464.D (-1771) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 9.773 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY003473.D

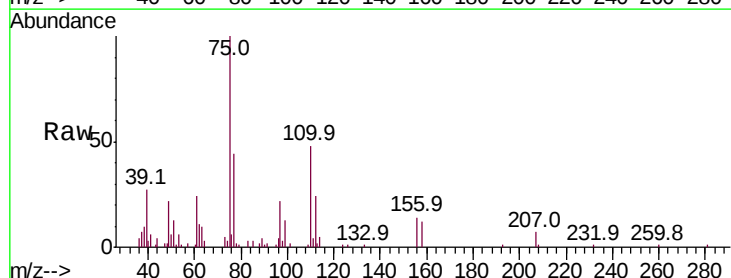
Acq: 02 Nov 2020 15:26

Tgt Ion: 75 Resp: 15583

Ion Ratio Lower Upper

75 100

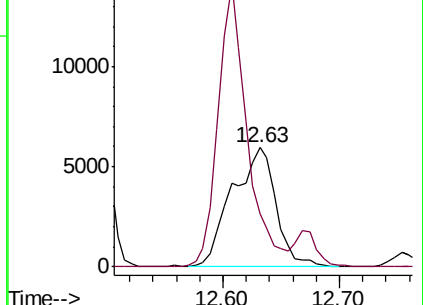
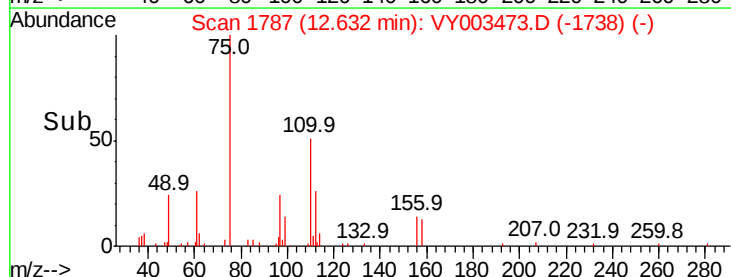
77 0.0 0.0 0.0

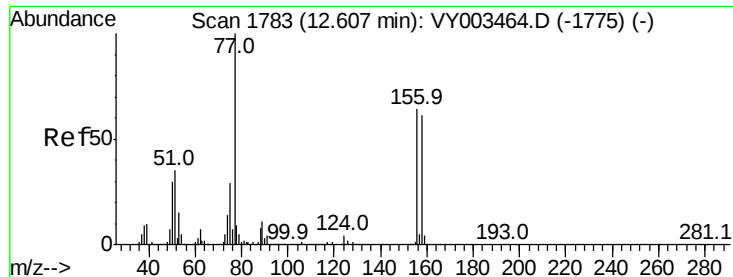


Abundance Ion 74.90 (74.60 to 75.60): VY003464.D (-1785) (-)

Ion 77.00 (76.70 to 77.70): VY003464.D (-1785) (-)

Time-->





#77

Bromobenzene

Concen: 5.249 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2020

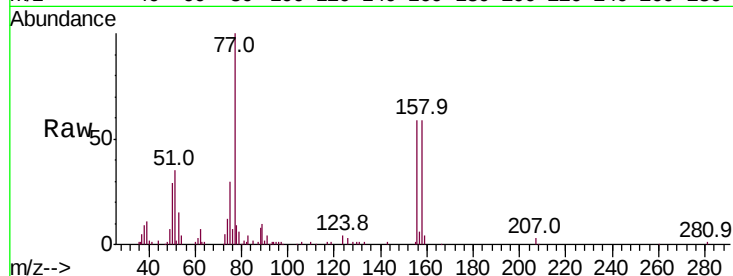
Tot Ion:156 Resp: 13129

Ion Ratio Lower Upper

156 100

77 184.7 87.0 260.9

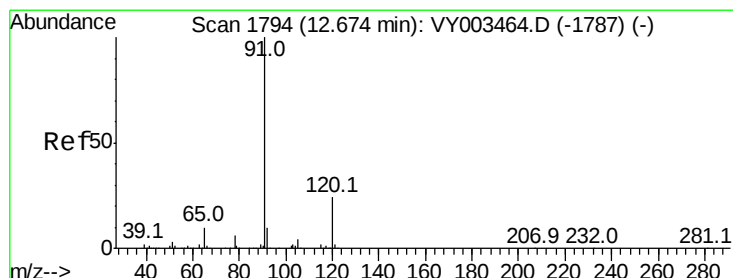
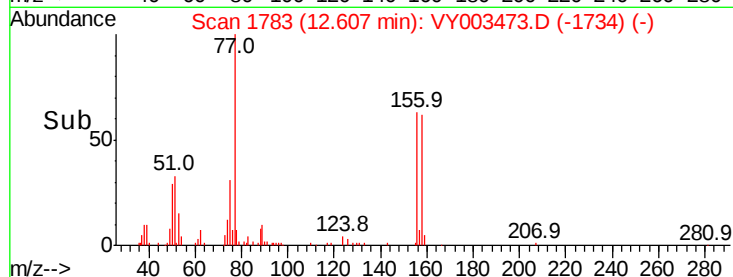
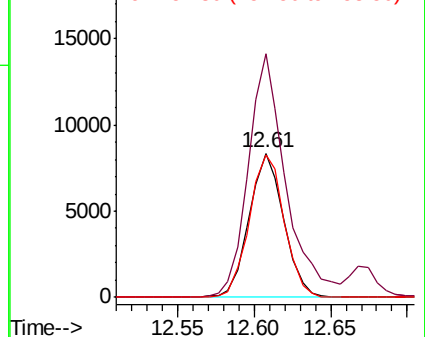
158 100.2 48.7 146.1



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: 5.298 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VY003473.D

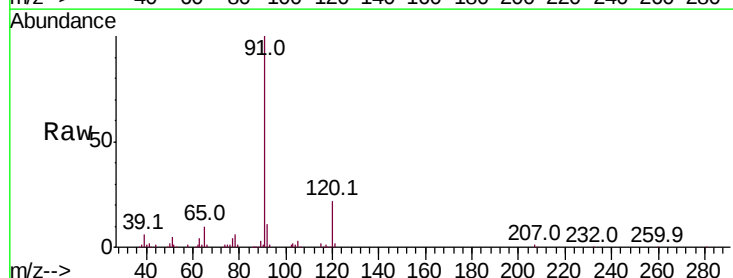
Acq: 02 Nov 2020 15:26

Tgt Ion: 91 Resp: 61436

Ion Ratio Lower Upper

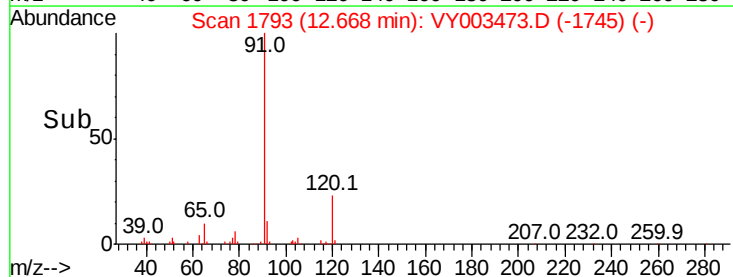
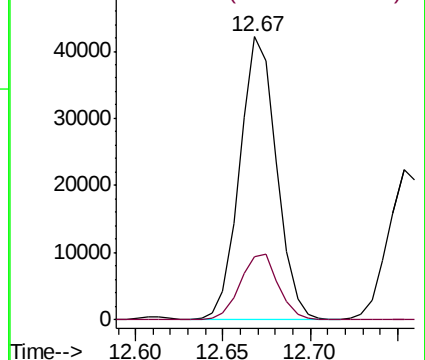
91 100

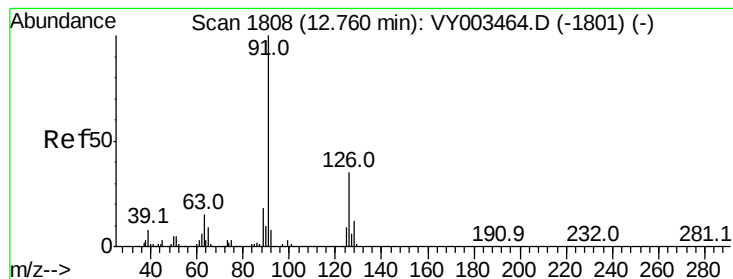
120 24.0 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.431 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.01 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

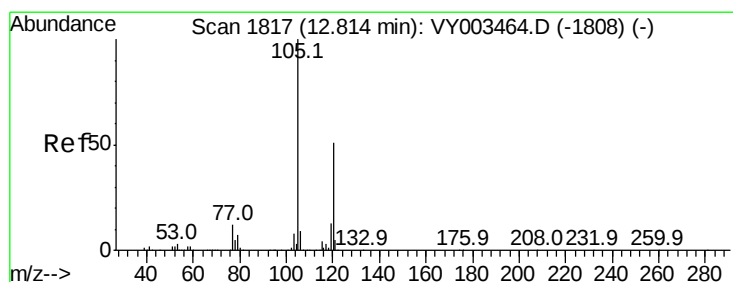
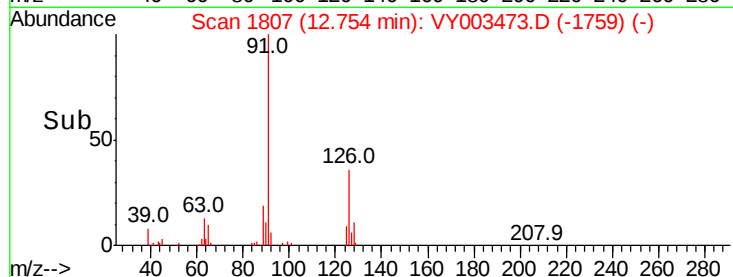
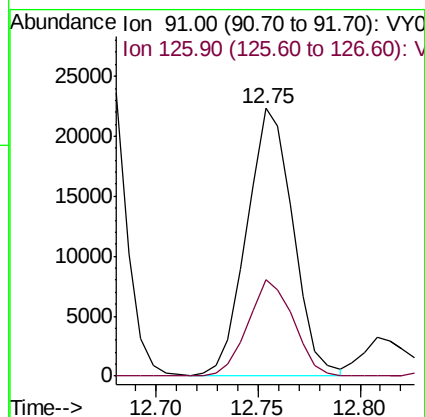
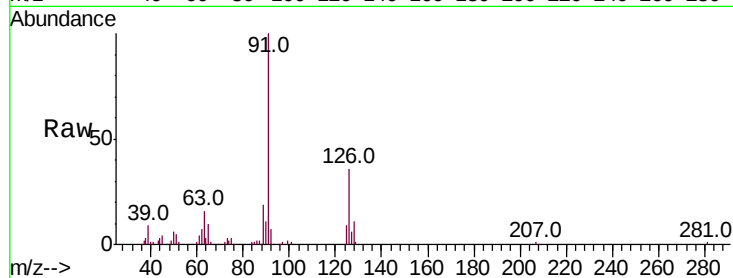
LOQ-SOIL-02-QT4-2020

Tot Ion: 91 Resp: 35182

Ion Ratio Lower Upper

91 100

126 35.3 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 5.364 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.01 min

Lab File: VY003473.D

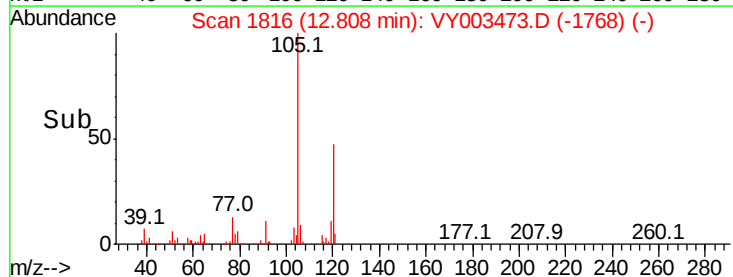
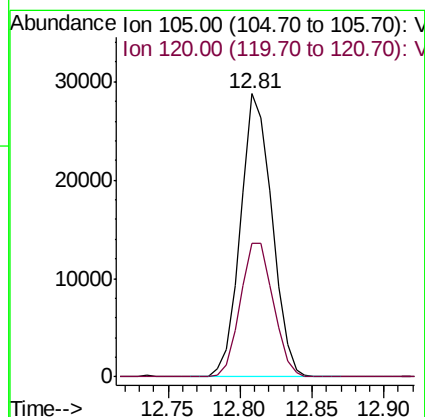
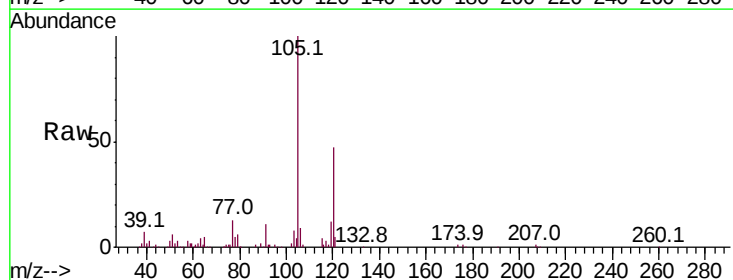
Acq: 02 Nov 2020 15:26

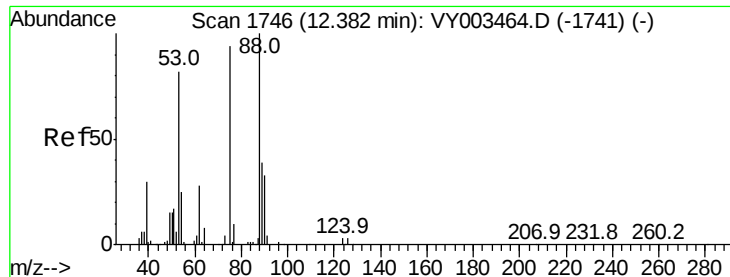
Tgt Ion: 105 Resp: 43750

Ion Ratio Lower Upper

105 100

120 49.5 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 5.279 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2020

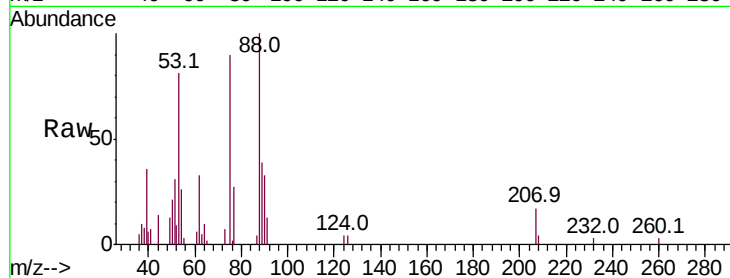
Tot Ion: 75 Resp: 4033

Ion Ratio Lower Upper

75 100

53 94.9 74.7 112.1

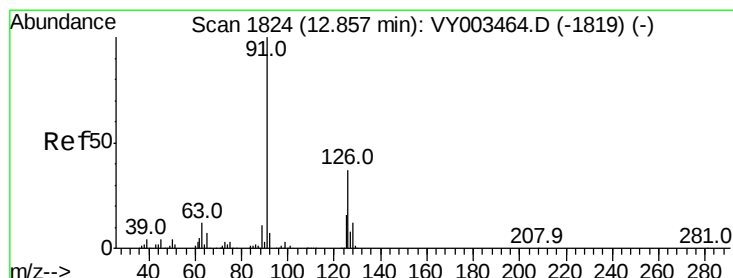
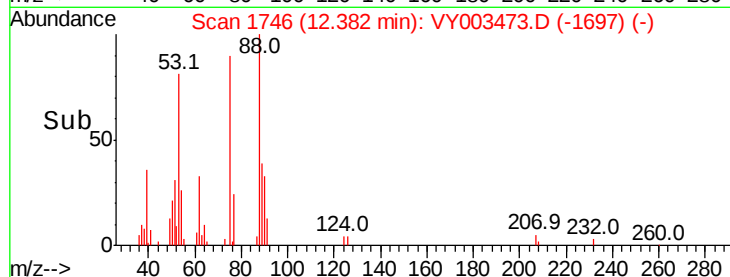
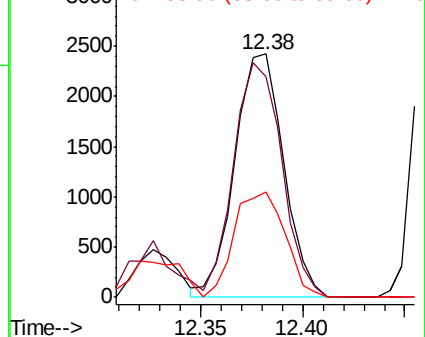
89 45.0 35.8 53.8



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: 5.568 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.01 min

Lab File: VY003473.D

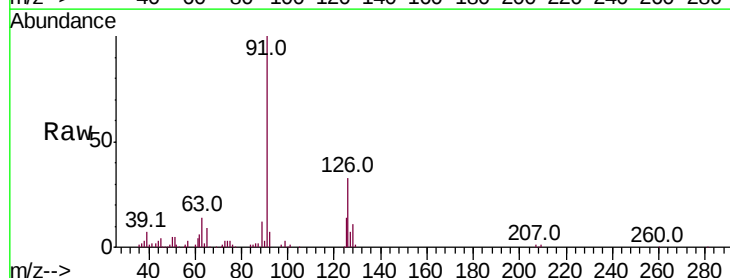
Acq: 02 Nov 2020 15:26

Tgt Ion: 91 Resp: 37694

Ion Ratio Lower Upper

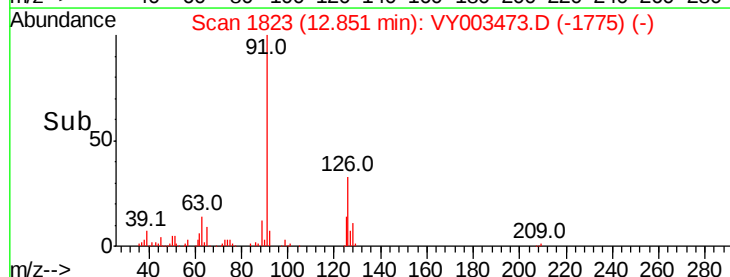
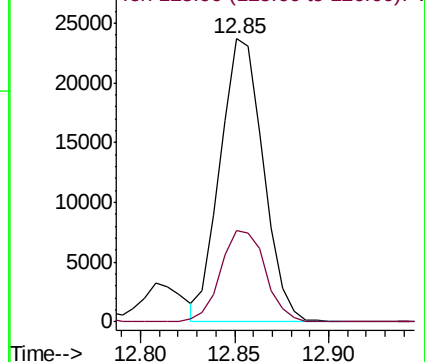
91 100

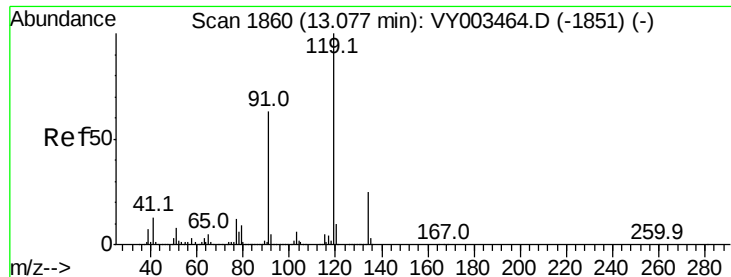
126 33.3 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 5.337 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2020

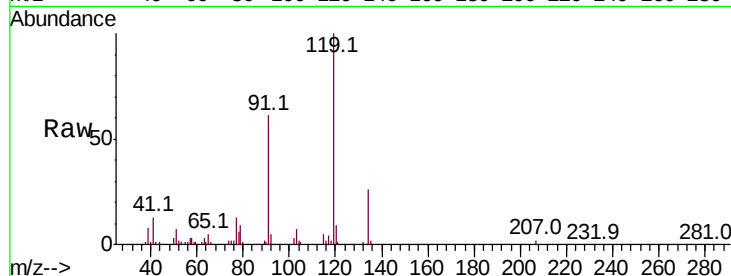
Tot Ion:119 Resp: 38603

Ion Ratio Lower Upper

119 100

91 63.0 31.1 93.2

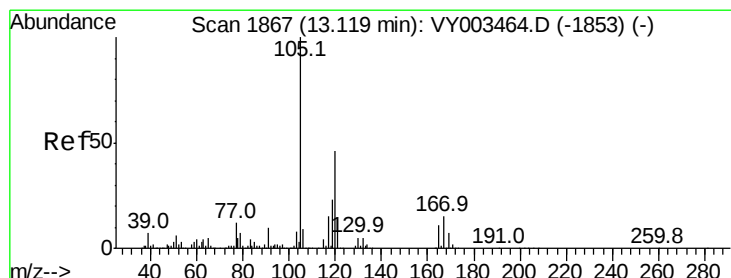
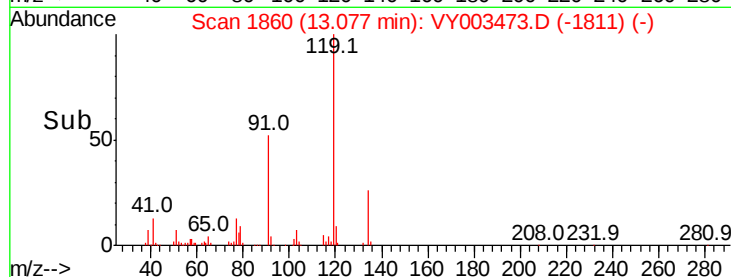
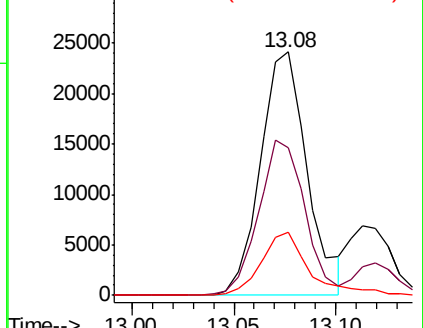
134 26.7 13.4 40.1



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: 5.214 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY003473.D

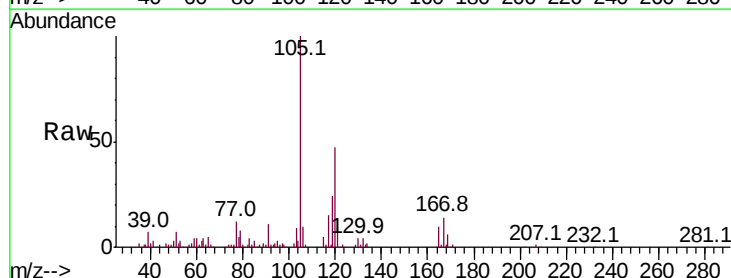
Acq: 02 Nov 2020 15:26

Tgt Ion:105 Resp: 42506

Ion Ratio Lower Upper

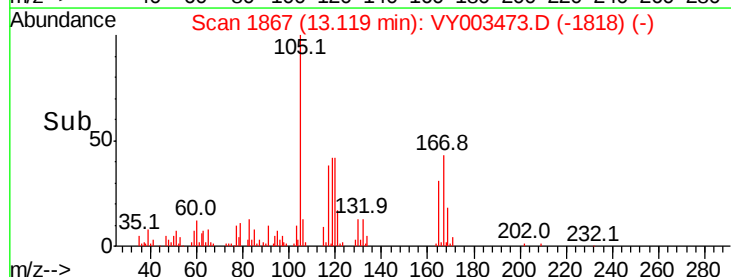
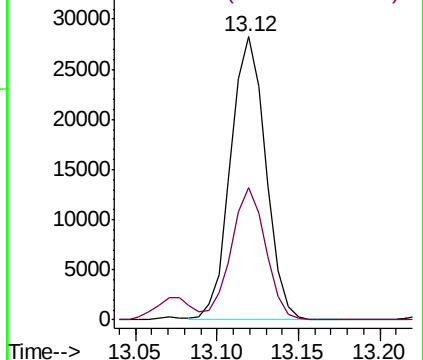
105 100

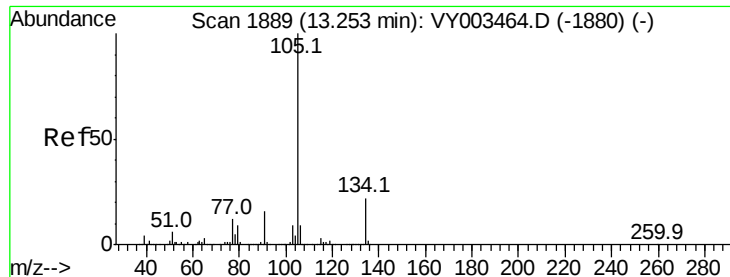
120 46.0 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.340 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

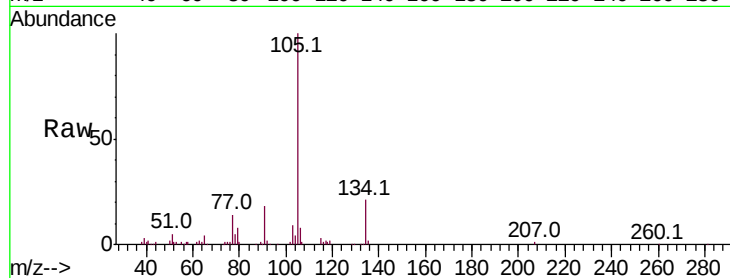
LOQ-SOIL-02-QT4-2020

Tot Ion:105 Resp: 52306

Ion Ratio Lower Upper

105 100

134 20.8 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

40000

30000

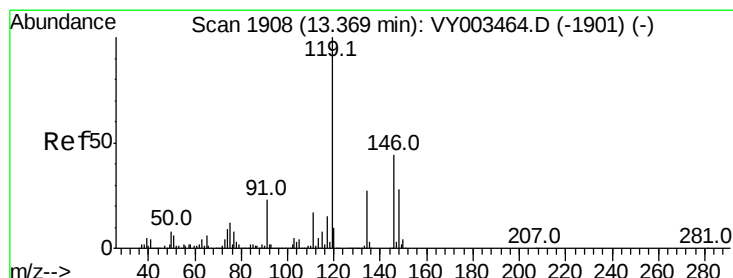
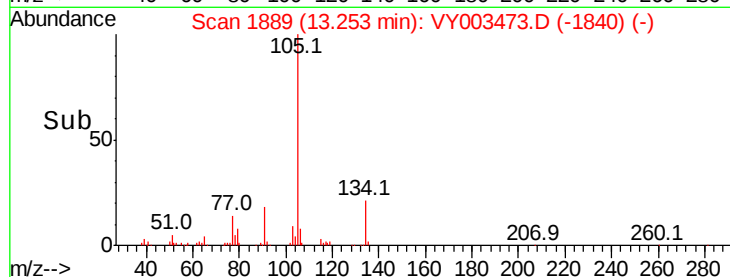
20000

10000

0

13.20 13.25 13.30

Time-->



#86

p-Isopropyltoluene

Concen: 5.204 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

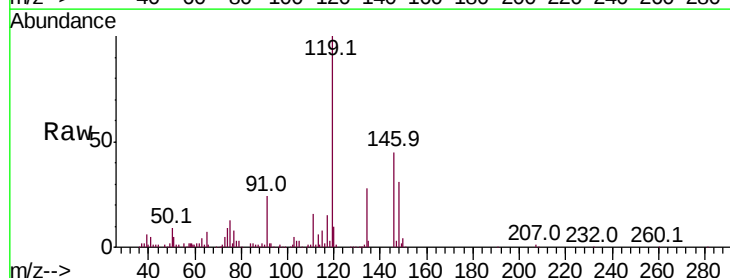
Tgt Ion:119 Resp: 47268

Ion Ratio Lower Upper

119 100

134 27.6 13.6 40.7

91 23.7 11.4 34.2



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

40000

30000

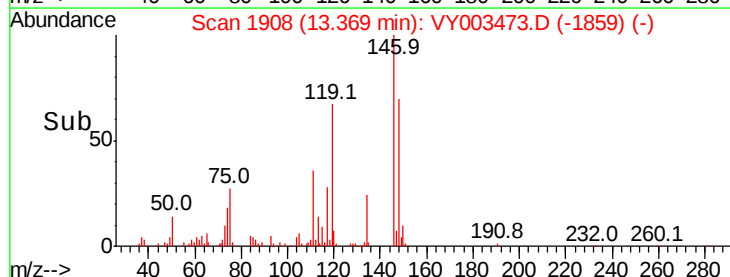
20000

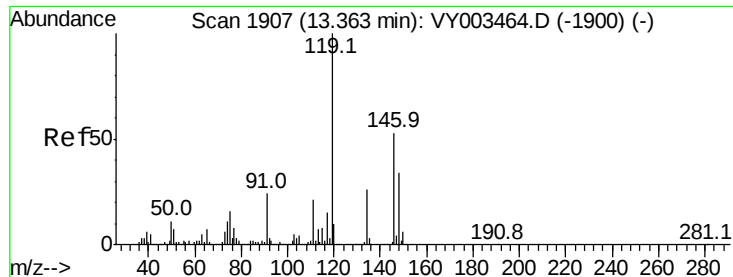
10000

0

13.30 13.35 13.40

Time-->





#87

1,3-Dichlorobenzene

Concen: 5.298 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

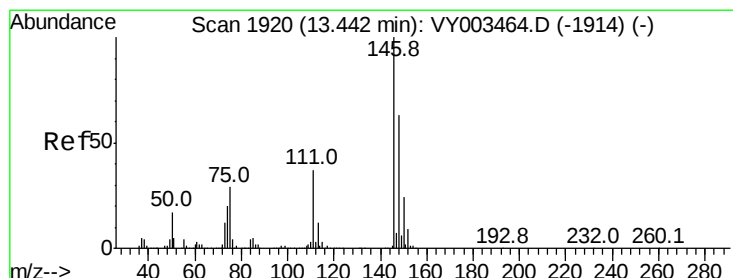
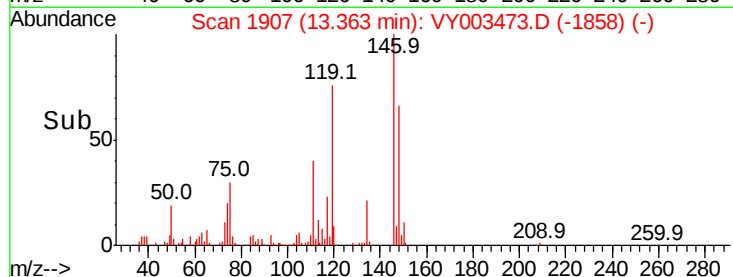
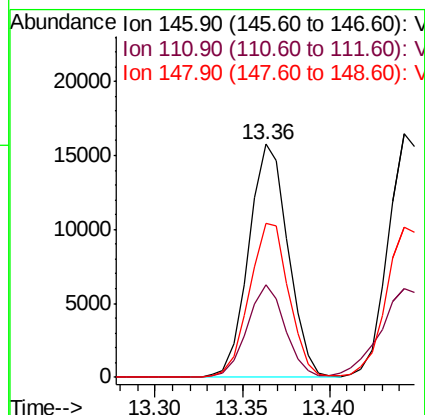
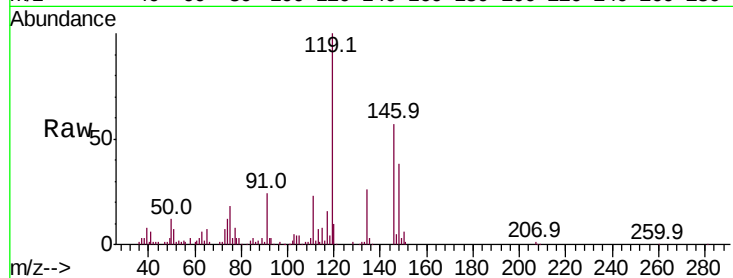
Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

Tot Ion:146 Resp: 24687

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 38.2  | 19.1  | 57.1  |
| 148 | 66.3  | 32.4  | 97.0  |



#88

1,4-Dichlorobenzene

Concen: 5.505 ug/l

RT: 13.44 min Scan# 1920

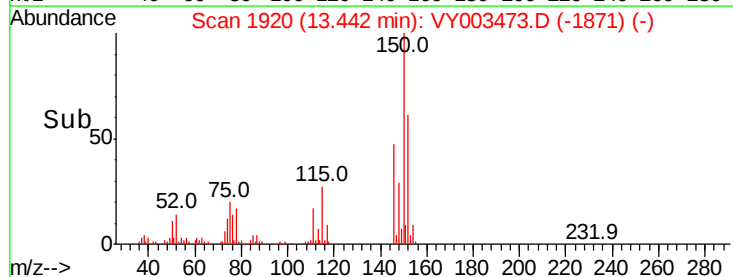
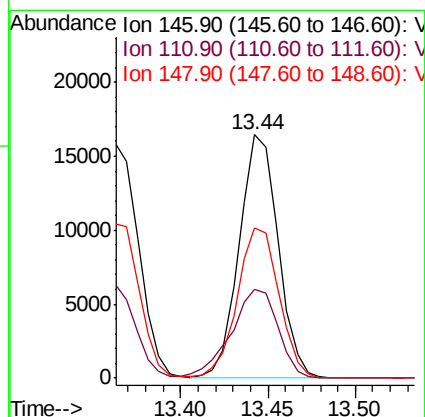
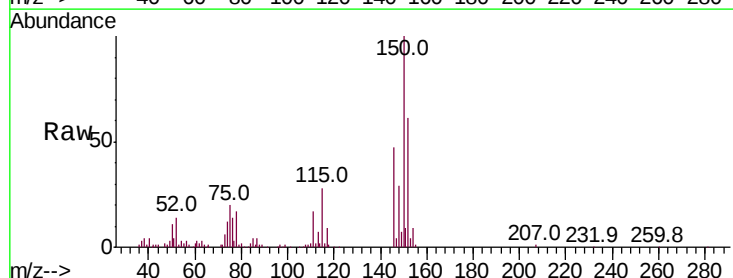
Delta R.T. 0.00 min

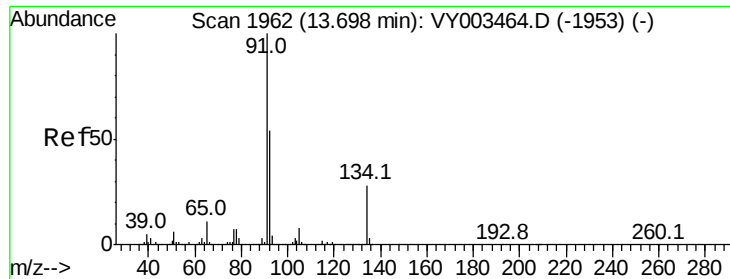
Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Tgt Ion:146 Resp: 25507

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 44.2  | 18.3  | 54.8  |
| 148 | 66.3  | 32.0  | 96.0  |

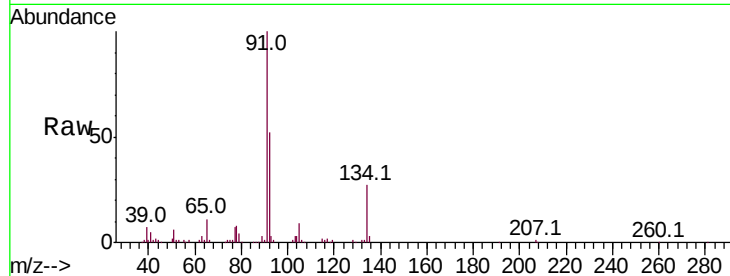




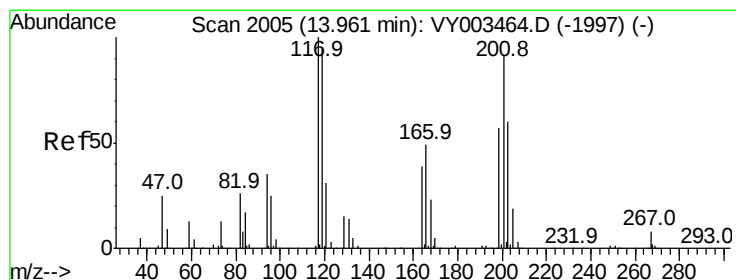
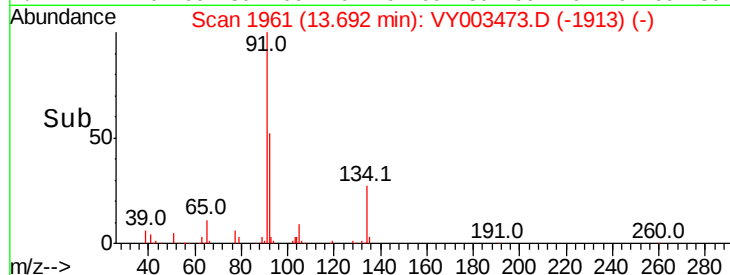
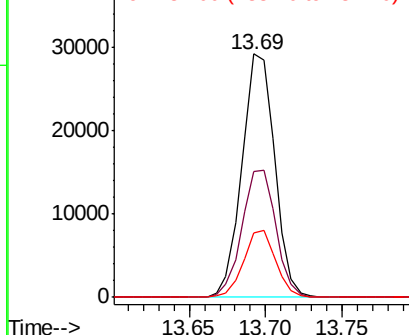
#89  
n-Butylbenzene  
Concen: 5.244 ug/l  
RT: 13.69 min Scan# 1961  
Delta R.T. -0.01 min  
Lab File: VY003473.D  
Acq: 02 Nov 2020 15:26

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

Tot Ion: 91 Resp: 43512  
Ion Ratio Lower Upper  
91 100  
92 54.1 26.7 80.1  
134 26.9 13.8 41.3

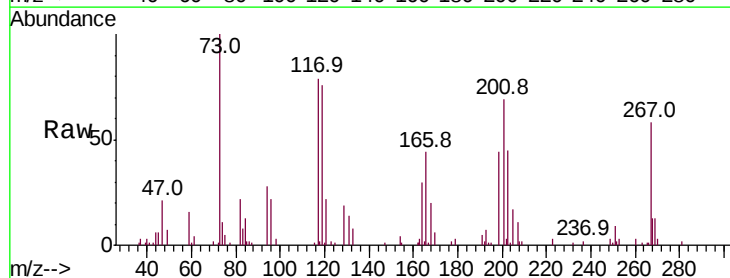


Abundance Ion 91.00 (90.70 to 91.70): VY0  
Ion 92.00 (91.70 to 92.70): VY0  
Ion 134.00 (133.70 to 134.70): V

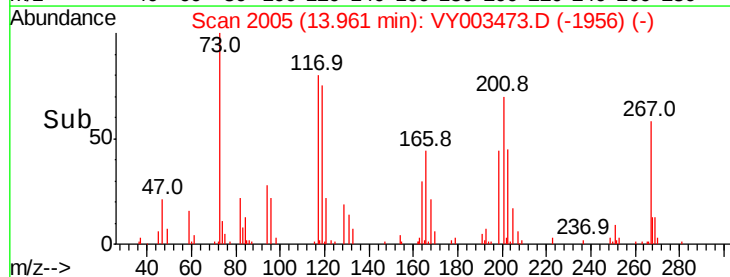
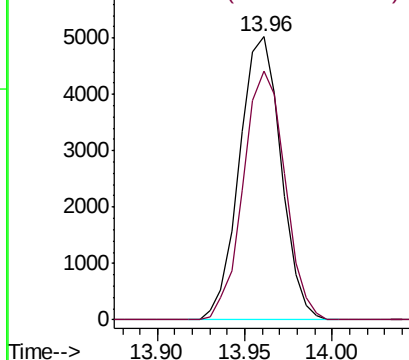


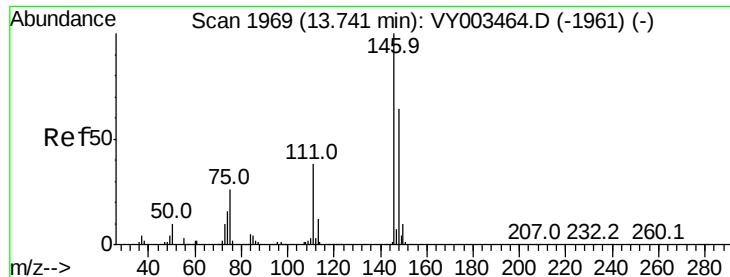
#90  
Hexachloroethane  
Concen: 5.436 ug/l  
RT: 13.96 min Scan# 2005  
Delta R.T. 0.00 min  
Lab File: VY003473.D  
Acq: 02 Nov 2020 15:26

Tgt Ion: 117 Resp: 8310  
Ion Ratio Lower Upper  
117 100  
201 88.3 46.6 139.8



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 200.70 (200.40 to 201.40): V

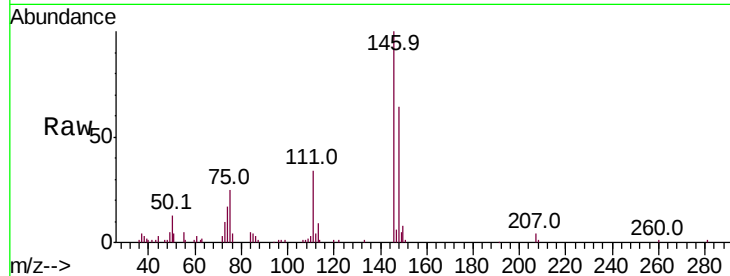




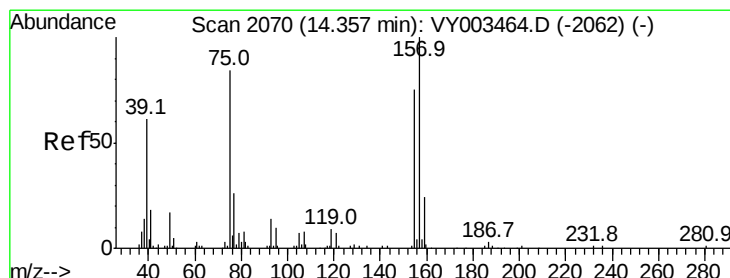
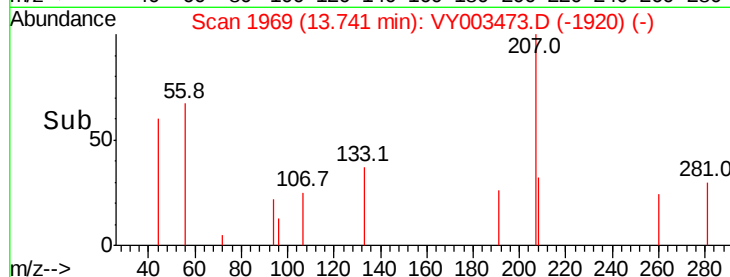
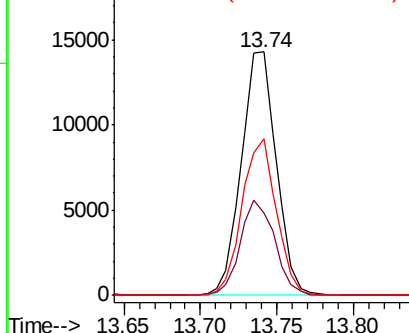
#91  
 1,2-Dichlorobenzene  
 Concen: 5.495 ug/l  
 RT: 13.74 min Scan# 1969  
 Delta R.T. 0.00 min  
 Lab File: VY003473.D  
 Acq: 02 Nov 2020 15:26

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOQ-SOIL-02-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.5  | 19.3  | 57.8  |
| 148     | 62.9  | 32.3  | 96.8  |

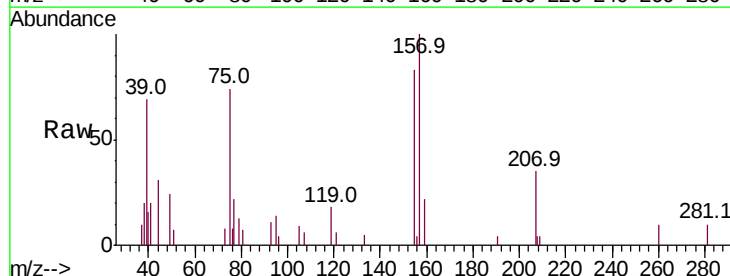


Abundance Ion 145.90 (145.60 to 146.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

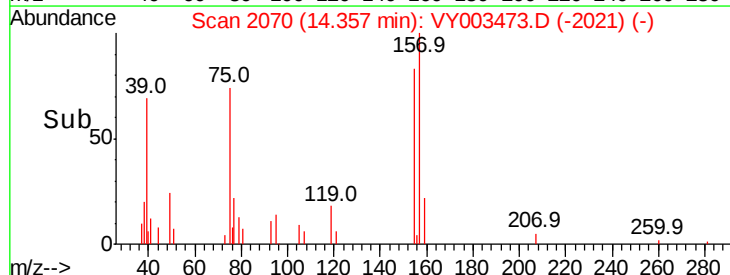
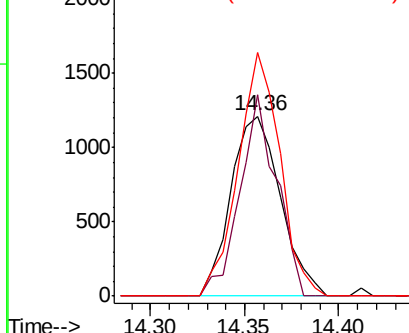


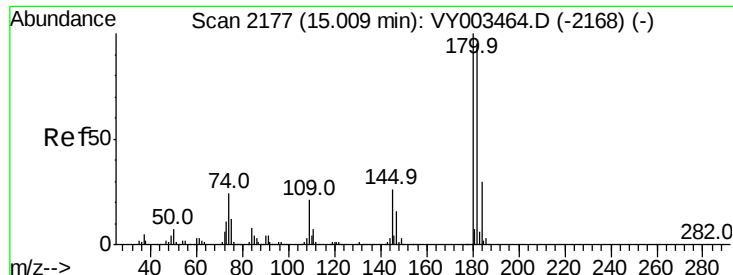
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 5.801 ug/l  
 RT: 14.36 min Scan# 2070  
 Delta R.T. 0.00 min  
 Lab File: VY003473.D  
 Acq: 02 Nov 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 82.9  | 45.6  | 136.7 |
| 157     | 114.4 | 60.3  | 180.8 |



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

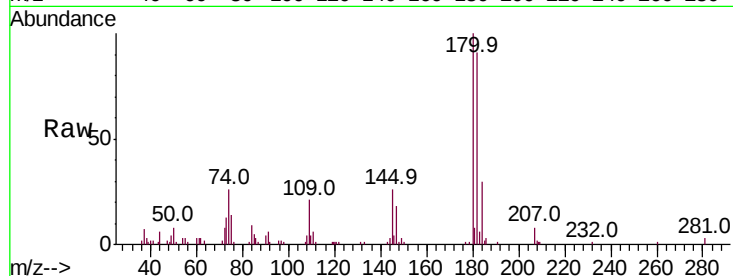




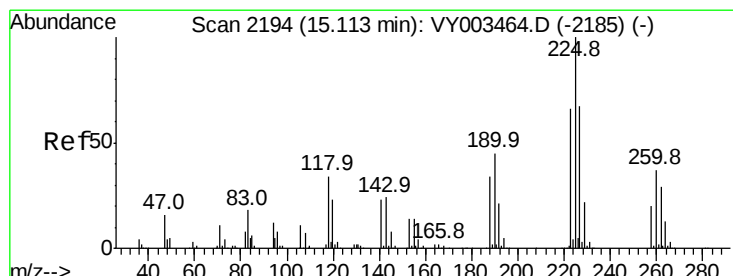
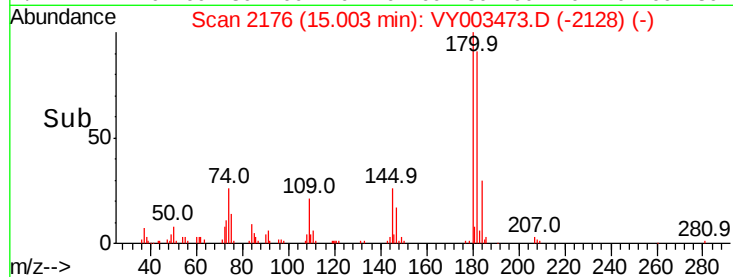
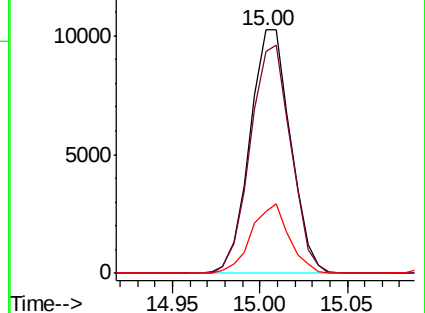
#93  
 1,2,4-Trichlorobenzene  
 Concen: 5.658 ug/l  
 RT: 15.00 min Scan# 2176  
 Delta R.T. -0.01 min  
 Lab File: VY003473.D  
 Acq: 02 Nov 2020 15:26

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOQ-SOIL-02-QT4-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.7  | 48.1  | 144.3 |
| 145     | 26.4  | 13.8  | 41.3  |

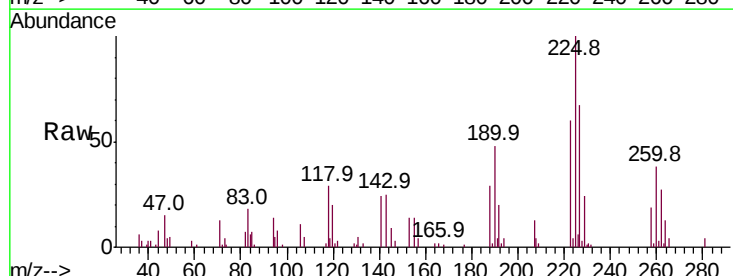


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

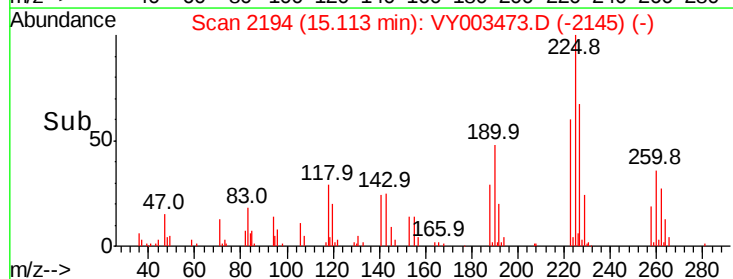
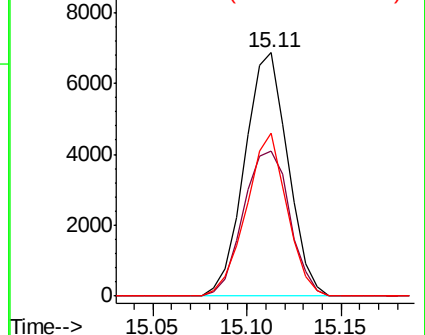


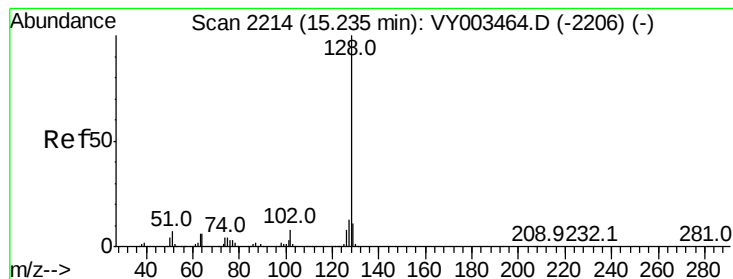
#94  
 Hexachlorobutadiene  
 Concen: 5.796 ug/l  
 RT: 15.11 min Scan# 2194  
 Delta R.T. 0.00 min  
 Lab File: VY003473.D  
 Acq: 02 Nov 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.9  | 32.1  | 96.3  |
| 227     | 62.9  | 32.4  | 97.2  |



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 5.235 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2020

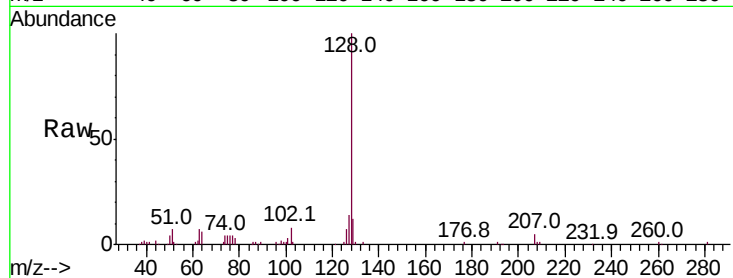
Tot Ion:128 Resp: 30691

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

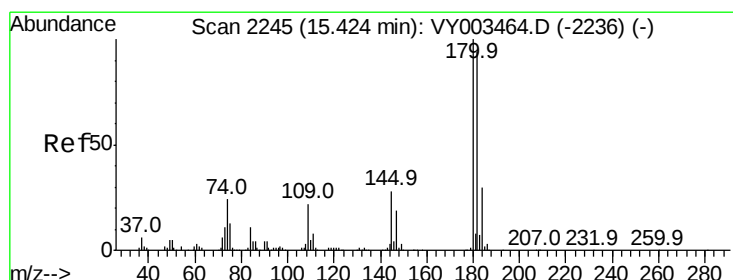
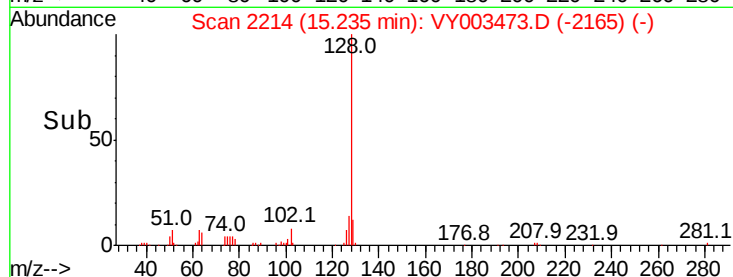
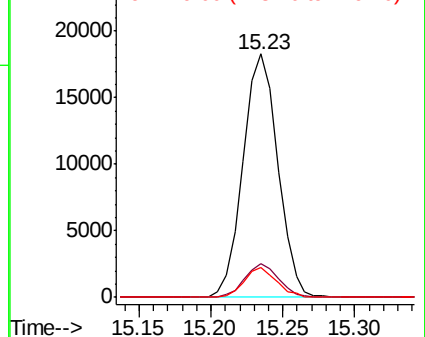
129 11.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 5.273 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY003473.D

Acq: 02 Nov 2020 15:26

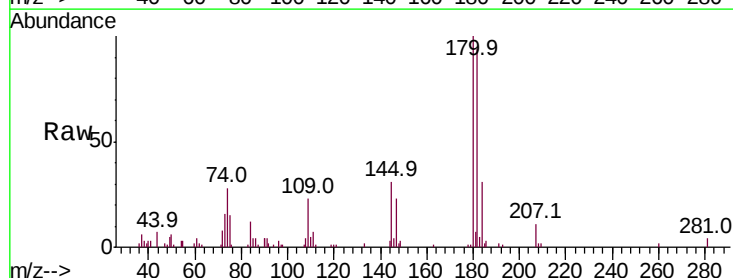
Tgt Ion:180 Resp: 13886

Ion Ratio Lower Upper

180 100

182 96.1 46.9 140.7

145 30.4 14.4 43.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

