

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110320\  
 Data File : VY003502.D  
 Acq On : 03 Nov 2020 18:56  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Nov 04 00:25:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y110220S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 02 12:40:51 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 217192   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 314322   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 295136   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 161381   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.15   | 65  | 117613   | 52.82 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.64% |      |
| 35) Dibromofluoromethane  | 7.72   | 113 | 102172   | 53.42 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.84% |      |
| 50) Toluene-d8            | 10.18  | 98  | 410265   | 51.56 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.12% |      |
| 62) 4-Bromofluorobenzene  | 12.48  | 95  | 141202   | 53.56 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.12% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.91 | 85  | 76912   | 44.757  | ug/l | 95     |
| 3) Chloromethane              | 2.12 | 50  | 104104  | 46.017  | ug/l | 98     |
| 4) Vinyl Chloride             | 2.26 | 62  | 114890  | 45.242  | ug/l | 99     |
| 5) Bromomethane               | 2.65 | 94  | 88057   | 41.503  | ug/l | 100    |
| 6) Chloroethane               | 2.80 | 64  | 73179   | 48.349  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 3.13 | 101 | 155267  | 48.169  | ug/l | 98     |
| 8) Diethyl Ether              | 3.54 | 74  | 52869   | 53.486  | ug/l | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.91 | 101 | 88282   | 49.554  | ug/l | 99     |
| 10) Methyl Iodide             | 4.10 | 142 | 87589   | 48.094  | ug/l | 98     |
| 11) Tert butyl alcohol        | 4.97 | 59  | 51480   | 231.136 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 3.88 | 96  | 85741   | 48.372  | ug/l | 96     |
| 13) Acrolein                  | 3.74 | 56  | 40719   | 220.358 | ug/l | 99     |
| 14) Allyl chloride            | 4.49 | 41  | 159683  | 49.378  | ug/l | 100    |
| 15) Acrylonitrile             | 5.18 | 53  | 127145  | 240.973 | ug/l | 99     |
| 16) Acetone                   | 3.96 | 43  | 147638  | 200.998 | ug/l | 96     |
| 17) Carbon Disulfide          | 4.20 | 76  | 273079  | 47.555  | ug/l | 99     |
| 18) Methyl Acetate            | 4.49 | 43  | 69930   | 50.379  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 5.24 | 73  | 235013  | 53.530  | ug/l | 98     |
| 20) Methylene Chloride        | 4.72 | 84  | 101611  | 49.121  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.23 | 96  | 101092  | 49.254  | ug/l | 99     |
| 22) Diisopropyl ether         | 6.13 | 45  | 308125  | 54.323  | ug/l | 97     |
| 23) Vinyl Acetate             | 6.07 | 43  | 1104588 | 259.149 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 6.03 | 63  | 183771  | 50.985  | ug/l | 98     |
| 25) 2-Butanone                | 7.00 | 43  | 207282  | 225.631 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.99 | 77  | 162586  | 48.418  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 7.00 | 96  | 114012  | 51.264  | ug/l | 100    |
| 28) Bromochloromethane        | 7.35 | 49  | 100264  | 55.295  | ug/l | 97     |
| 29) Tetrahydrofuran           | 7.36 | 42  | 117330  | 244.417 | ug/l | 99     |
| 30) Chloroform                | 7.52 | 83  | 185269  | 52.333  | ug/l | 98     |
| 31) Cyclohexane               | 7.79 | 56  | 157226  | 47.111  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 7.71 | 97  | 165311  | 50.053  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 7.92 | 75  | 145922  | 49.239  | ug/l | 99     |
| 37) Ethyl Acetate             | 7.08 | 43  | 86276   | 46.883  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.91 | 117 | 150917  | 49.088  | ug/l | 99     |

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 MSVOA\_Y  
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 VSTDCCC050EC

Quant Time: Nov 04 00:25:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y110220S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 02 12:40:51 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.19  | 83   | 163789   | 49.635   | ug/l   | 99       |
| 40) Benzene                    | 8.17  | 78   | 411131   | 49.850   | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.35  | 41   | 114485   | 116.500  | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.25  | 62   | 131937   | 51.056   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.28  | 43   | 165680   | 50.096   | ug/l   | 99       |
| 44) Trichloroethene            | 8.94  | 130  | 114298   | 49.367   | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 9.22  | 63   | 107453   | 51.592   | ug/l   | 99       |
| 46) Dibromomethane             | 9.31  | 93   | 58942    | 51.440   | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.50  | 83   | 148032   | 52.783   | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.30  | 41   | 77415    | 49.691   | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.30  | 88   | 14377    | 1005.577 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 10.07 | 43   | 434812   | 246.759  | ug/l   | 99       |
| 52) Toluene                    | 10.24 | 92   | 262307   | 50.851   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.47 | 75   | 154879   | 51.893   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.93  | 75   | 175708   | 52.317   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.64 | 97   | 83487    | 51.327   | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.51 | 69   | 117083   | 53.740   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.79 | 76   | 148021   | 52.335   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.78  | 63   | 286287   | 259.208  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.83 | 43   | 309943   | 237.565  | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.99 | 129  | 107113   | 53.579   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.09 | 107  | 79589    | 50.683   | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.72 | 164  | 107474   | 48.761   | ug/l   | 96       |
| 65) Chlorobenzene              | 11.52 | 112  | 284011   | 49.533   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.59 | 131  | 111490   | 51.559   | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.59 | 91   | 519053   | 49.924   | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.70 | 106  | 392018   | 99.498   | ug/l   | 100      |
| 69) o-Xylene                   | 12.03 | 106  | 184252   | 50.838   | ug/l   | 98       |
| 70) Styrene                    | 12.04 | 104  | 318653   | 51.782   | ug/l   | 100      |
| 71) Bromoform                  | 12.20 | 173  | 72247    | 50.126   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.33 | 105  | 505314   | 47.934   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.14 | 43   | 147213   | 49.299   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.58 | 83   | 105096   | 46.673   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.63 | 75   | 139180   | 81.510   | ug/l # | 100      |
| 77) Bromobenzene               | 12.61 | 156  | 130676   | 48.788   | ug/l   | 99       |
| 78) n-propylbenzene            | 12.67 | 91   | 598171   | 48.173   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.75 | 91   | 338071   | 48.731   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.81 | 105  | 433356   | 49.615   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75   | 36775    | 44.951   | ug/l   | 100      |
| 82) 4-Chlorotoluene            | 12.85 | 91   | 349135   | 48.158   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.07 | 119  | 371649   | 47.976   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 13.12 | 105  | 433923   | 49.707   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.25 | 105  | 518228   | 49.406   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.37 | 119  | 482276   | 49.578   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.36 | 146  | 247741   | 49.652   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.44 | 146  | 244436   | 49.266   | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.69 | 91   | 441605   | 49.702   | ug/l   | 100      |
| 90) Hexachloroethane           | 13.96 | 117  | 82073    | 50.132   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.73 | 146  | 222133   | 50.115   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.35 | 75   | 18697    | 45.869   | ug/l   | 96       |

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Acq On : 03 Nov 2020 18:56  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 23 Sample Multiplier: 1

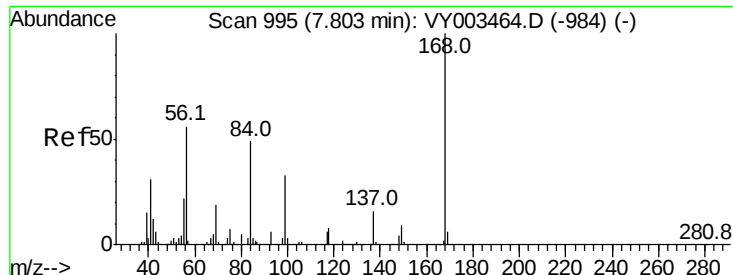
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Nov 04 00:25:56 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y110220S.M  
Quant Title : SW846 8260  
QLast Update : Mon Nov 02 12:40:51 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.00 | 180  | 162490   | 51.827 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.11 | 225  | 101292   | 50.222 | ug/l  | 98       |
| 95) Naphthalene            | 15.23 | 128  | 309681   | 49.326 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.42 | 180  | 147354   | 52.248 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Instrument :

MSVOA\_Y

ClientSampleId :

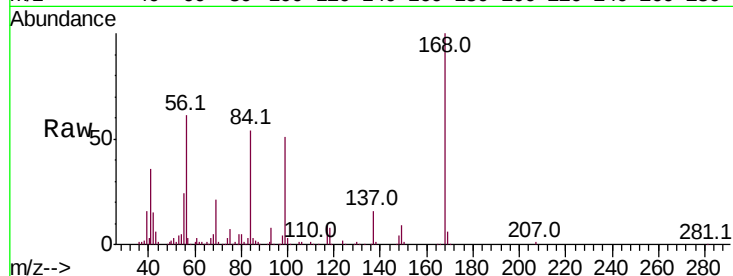
VSTDCCC050EC

Tot Ion:168 Resp: 217192

Ion Ratio Lower Upper

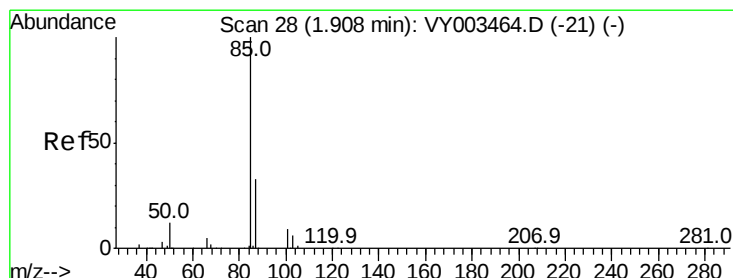
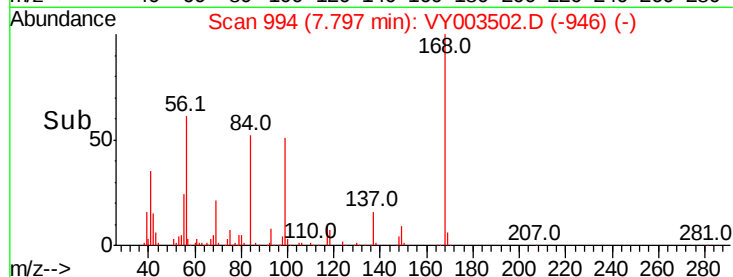
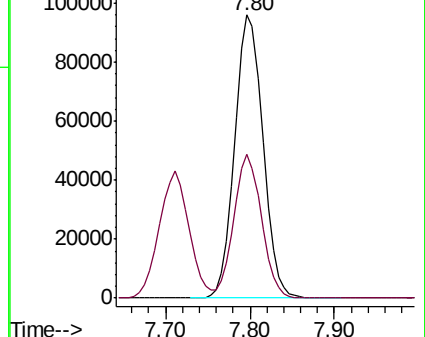
168 100

99 50.7 39.7 59.5



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

Ion 98.90 (98.60 to 99.60): VY003502.D (-946) (-)



#2

Dichlorodifluoromethane

Concen: 44.757 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.00 min

Lab File: VY003502.D

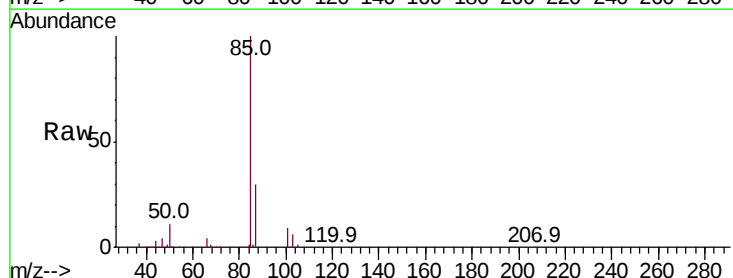
Acq: 03 Nov 2020 18:56

Tgt Ion: 85 Resp: 76912

Ion Ratio Lower Upper

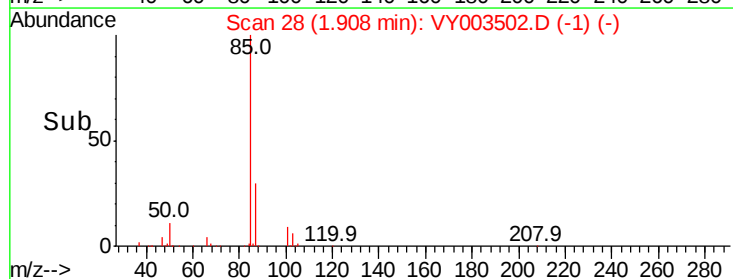
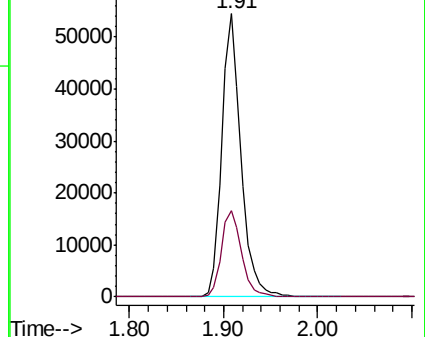
85 100

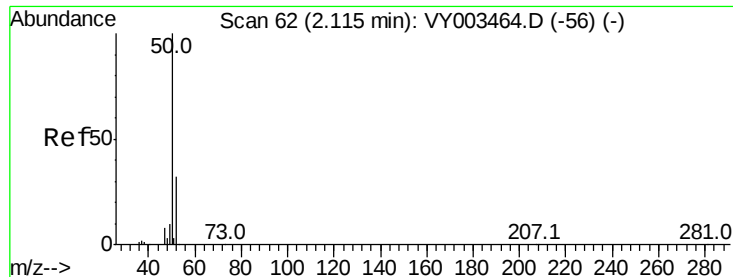
87 30.3 16.4 49.4



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

Ion 86.90 (86.60 to 87.60): VY003502.D (-1) (-)





#3

Chloromethane

Concen: 46.017 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Instrument :

MSVOA\_Y

ClientSampleId :

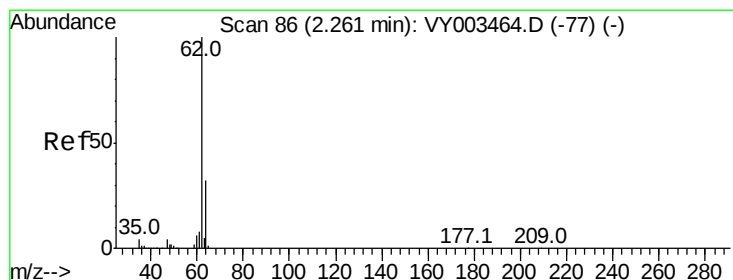
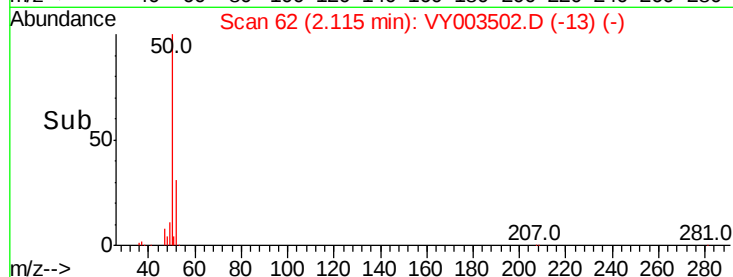
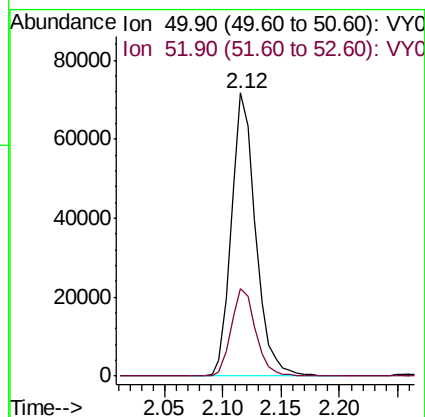
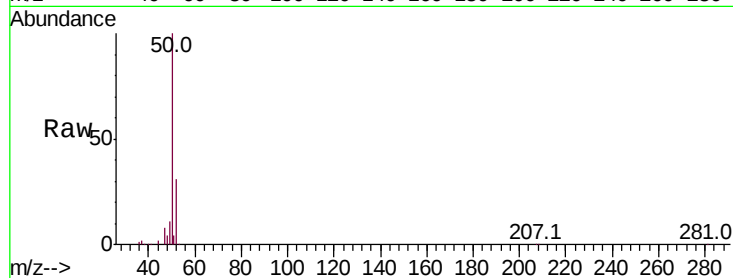
VSTDCCC050EC

Tot Ion: 50 Resp: 104104

Ion Ratio Lower Upper

50 100

52 31.1 25.6 38.4



#4

Vinyl Chloride

Concen: 45.242 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY003502.D

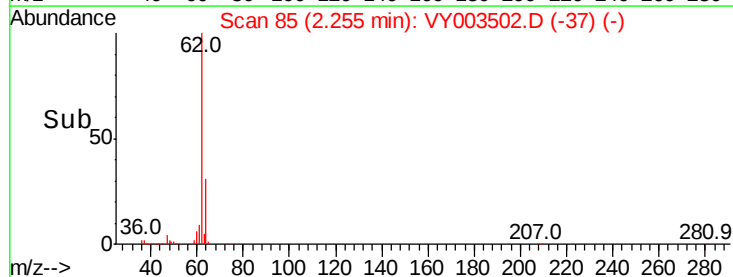
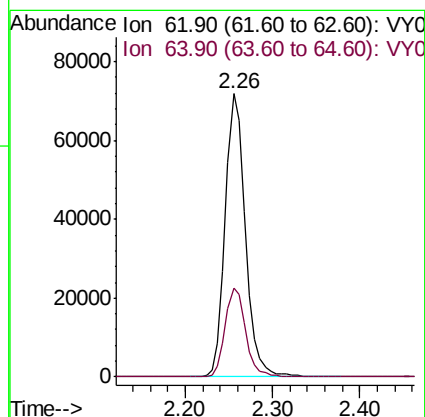
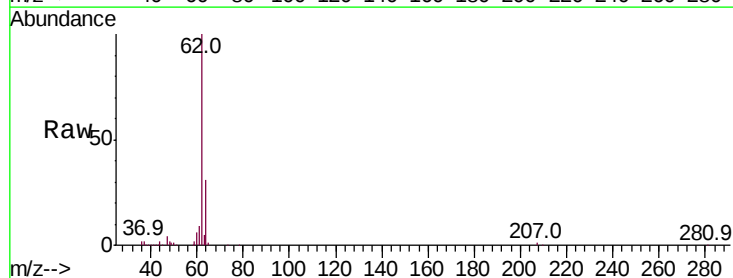
Acq: 03 Nov 2020 18:56

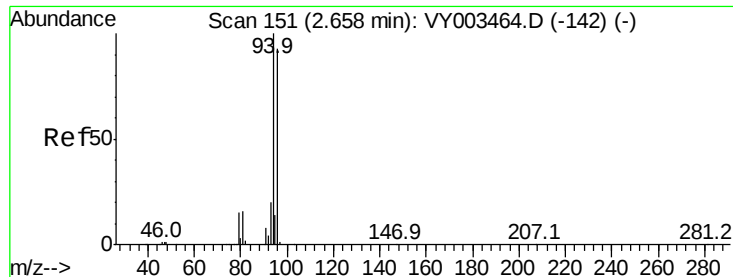
Tgt Ion: 62 Resp: 114890

Ion Ratio Lower Upper

62 100

64 31.2 25.5 38.3





#5

Bromomethane

Concen: 41.503 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Instrument :

MSVOA\_Y

ClientSampleId :

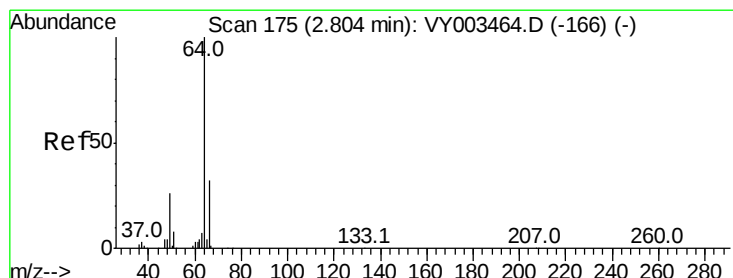
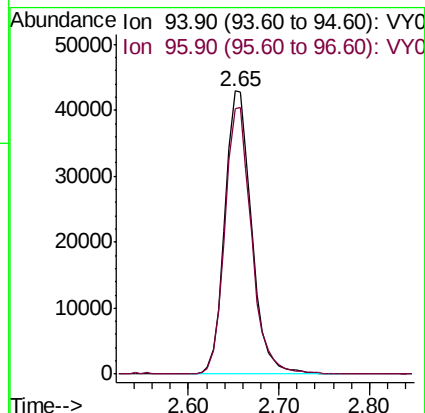
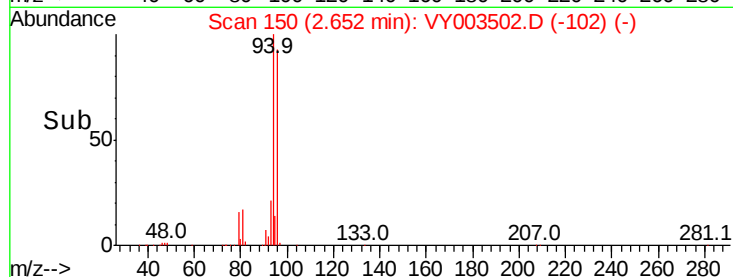
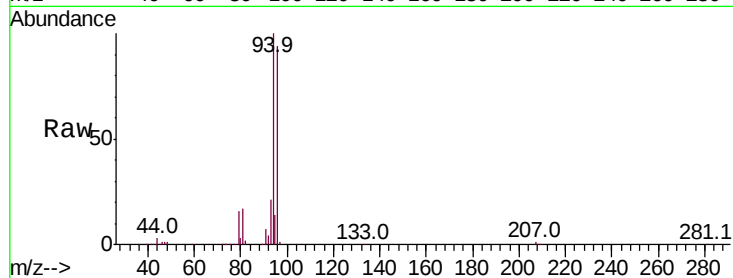
VSTDCCC050EC

Tot Ion: 94 Resp: 88057

Ion Ratio Lower Upper

94 100

96 93.4 74.6 112.0



#6

Chloroethane

Concen: 48.349 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY003502.D

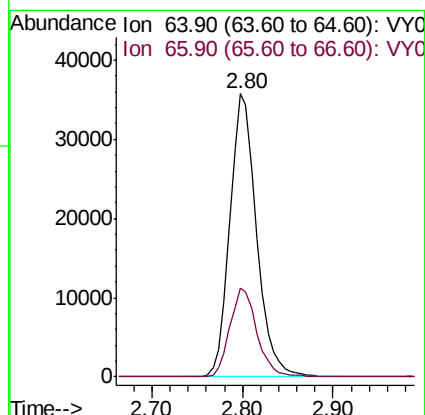
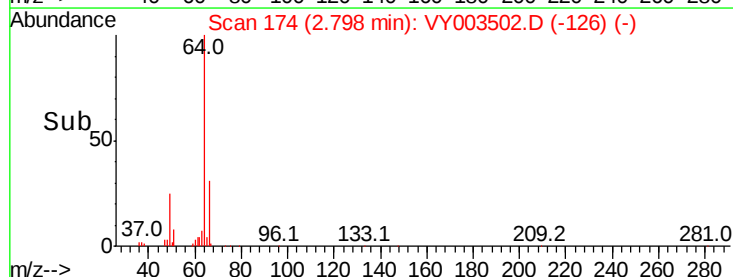
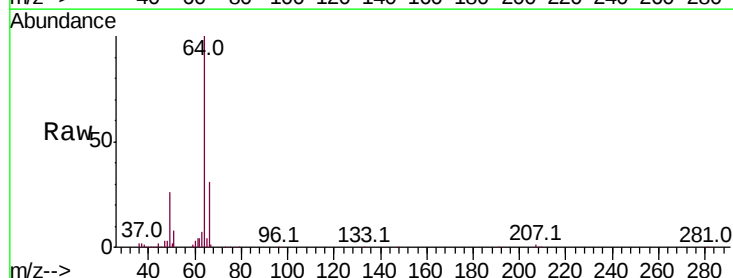
Acq: 03 Nov 2020 18:56

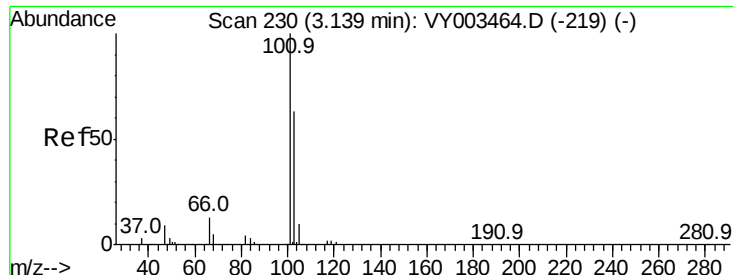
Tgt Ion: 64 Resp: 73179

Ion Ratio Lower Upper

64 100

66 31.2 25.6 38.4



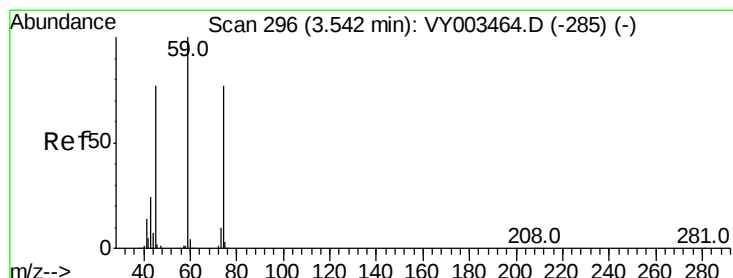
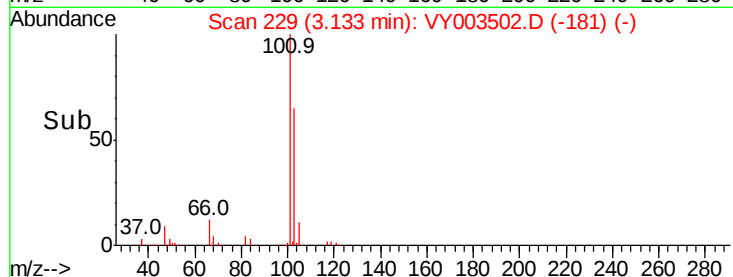
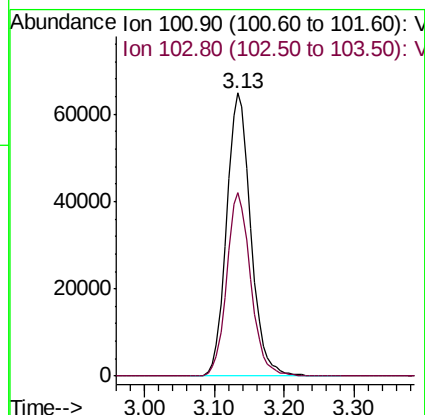
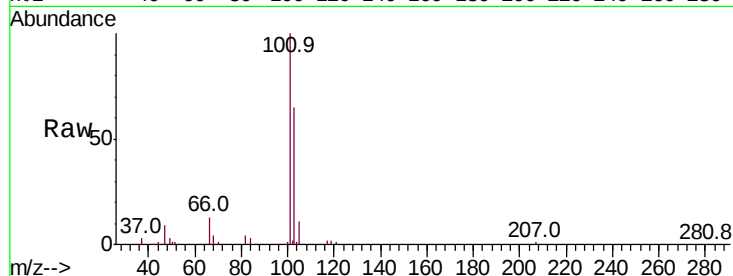


#7

Trichlorofluoromethane  
 Concen: 48.169 ug/l  
 RT: 3.13 min Scan# 229  
 Delta R.T. -0.01 min  
 Lab File: VY003502.D  
 Acq: 03 Nov 2020 18:56

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

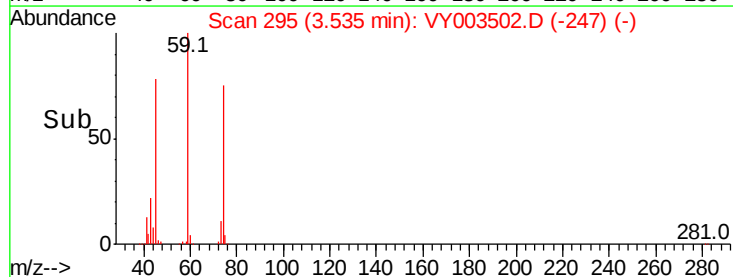
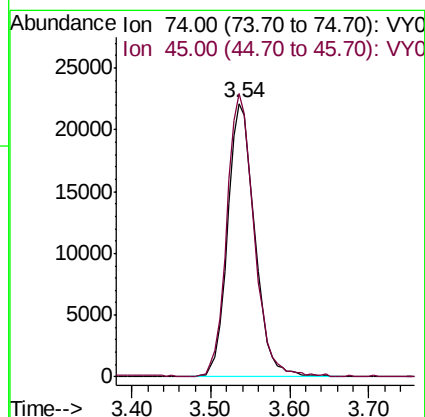
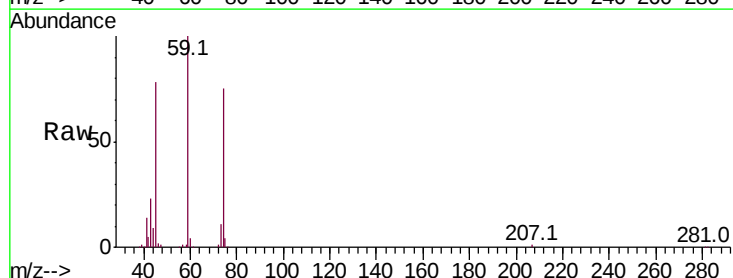
Tot Ion:101 Resp: 155267  
 Ion Ratio Lower Upper  
 101 100  
 103 65.0 50.7 76.1

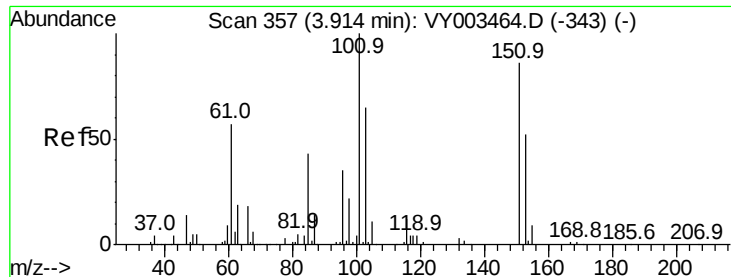


#8

Diethyl Ether  
 Concen: 53.486 ug/l  
 RT: 3.54 min Scan# 295  
 Delta R.T. -0.01 min  
 Lab File: VY003502.D  
 Acq: 03 Nov 2020 18:56

Tgt Ion: 74 Resp: 52869  
 Ion Ratio Lower Upper  
 74 100  
 45 104.6 50.7 152.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.554 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.01 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

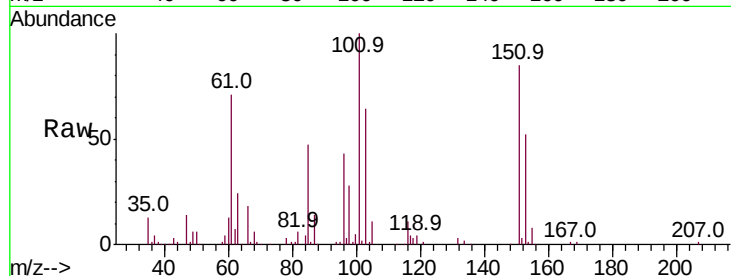
Tot Ion:101 Resp: 88282

Ion Ratio Lower Upper

101 100

85 46.1 35.8 53.8

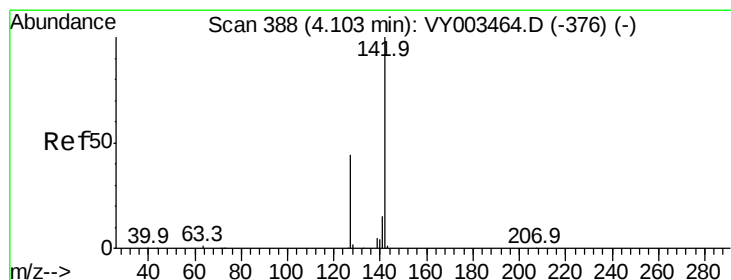
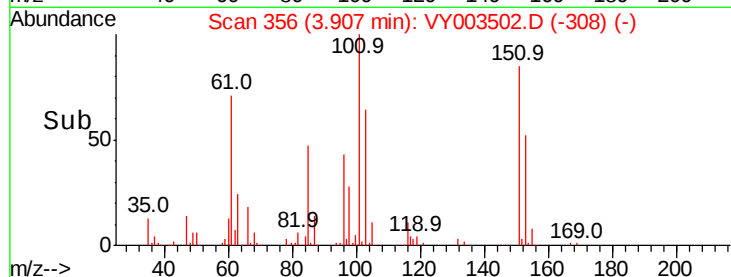
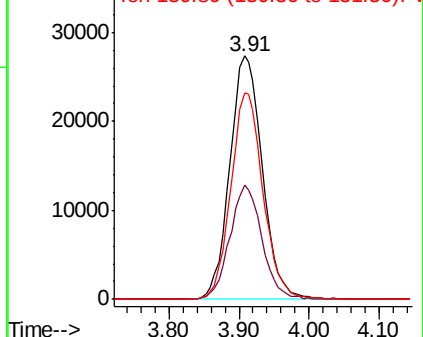
151 83.6 67.6 101.4



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: 48.094 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.00 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

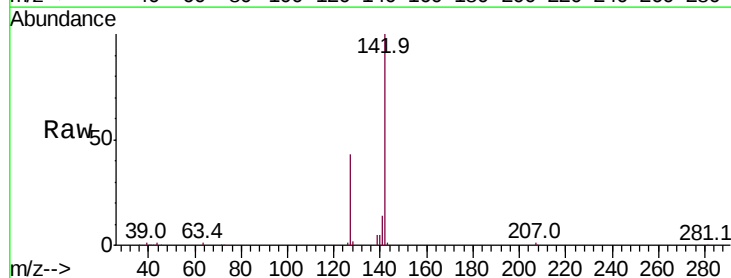
Tgt Ion:142 Resp: 87589

Ion Ratio Lower Upper

142 100

127 44.4 34.5 51.7

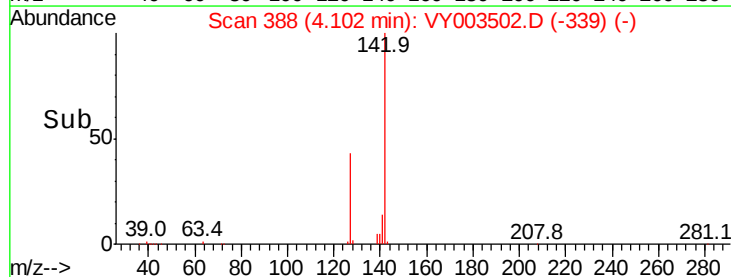
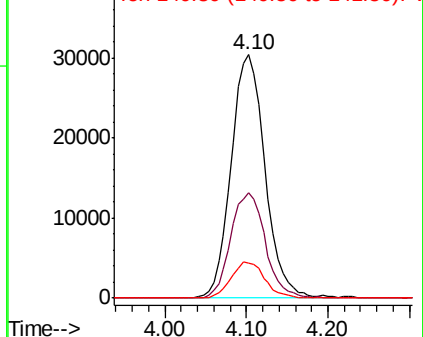
141 14.7 11.8 17.8

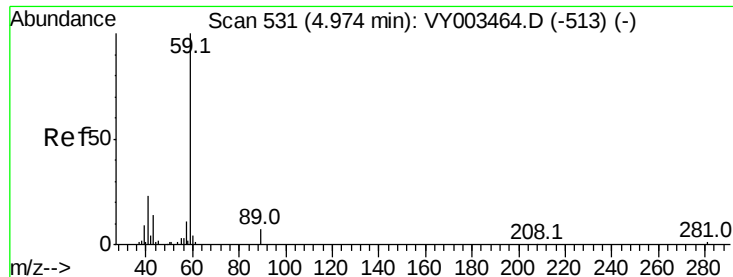


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



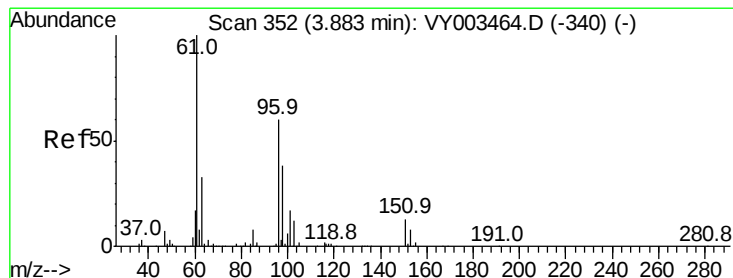
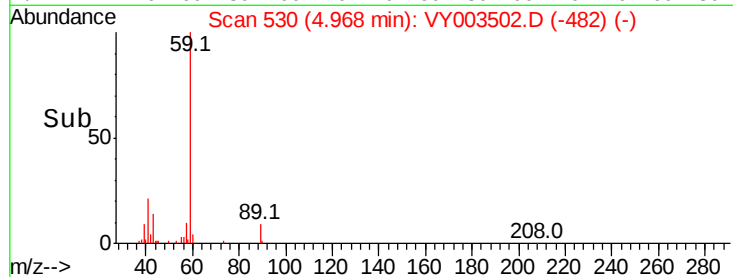
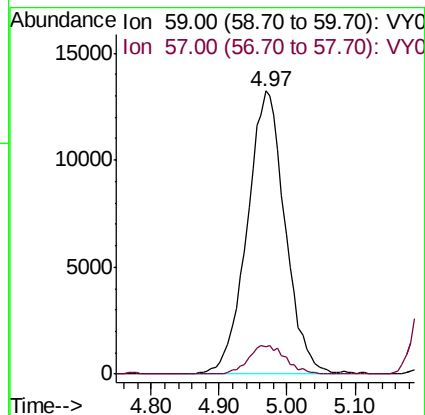
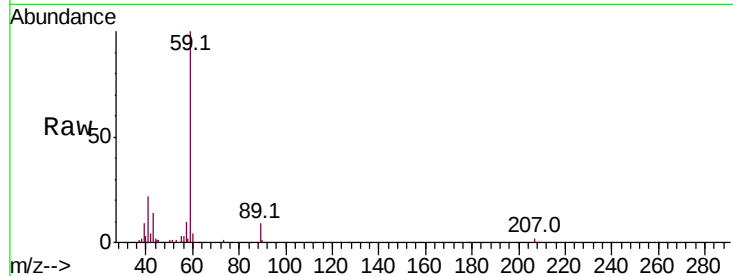


#11

Tert butyl alcohol  
 Concen: 231.136 ug/l  
 RT: 4.97 min Scan# 530  
 Delta R.T. -0.01 min  
 Lab File: VY003502.D  
 Acq: 03 Nov 2020 18:56

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

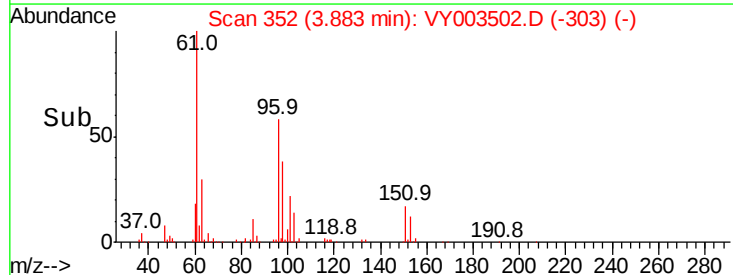
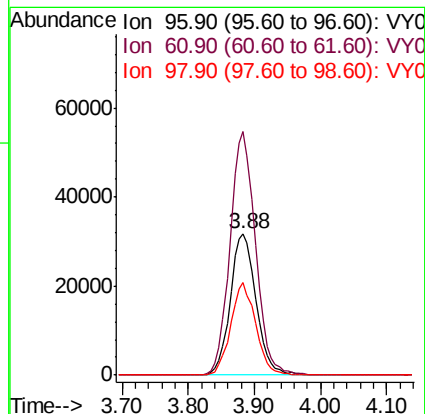
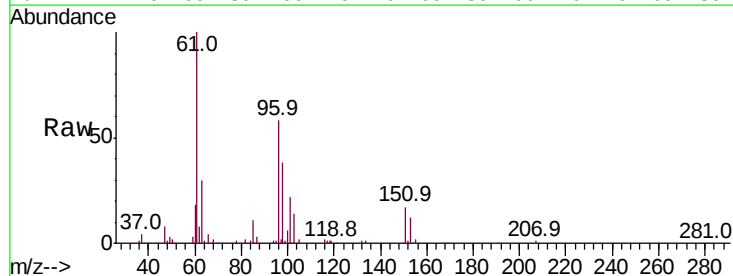
Tot Ion: 59 Resp: 51480  
 Ion Ratio Lower Upper  
 59 100  
 57 9.9 7.9 11.9

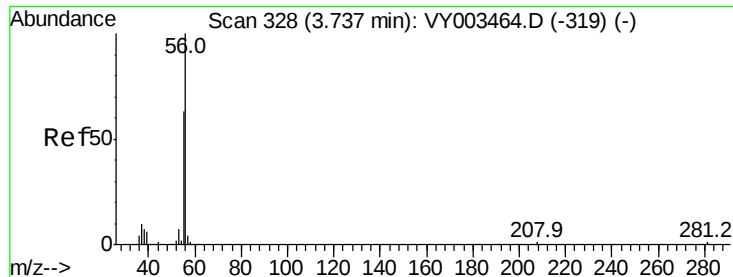


#12

1,1-Dichloroethene  
 Concen: 48.372 ug/l  
 RT: 3.88 min Scan# 352  
 Delta R.T. -0.00 min  
 Lab File: VY003502.D  
 Acq: 03 Nov 2020 18:56

Tgt Ion: 96 Resp: 85741  
 Ion Ratio Lower Upper  
 96 100  
 61 171.8 133.6 200.4  
 98 65.4 50.2 75.2





#13

Acrolein

Concen: 220.358 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Instrument :

MSVOA\_Y

ClientSampleId :

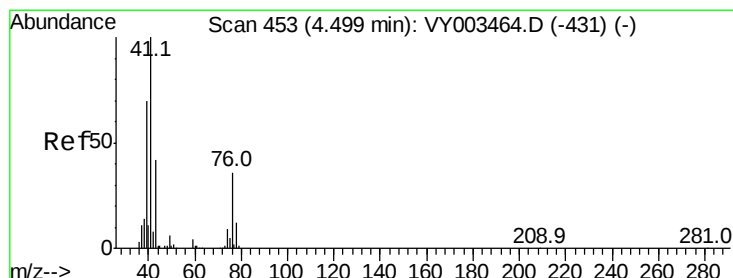
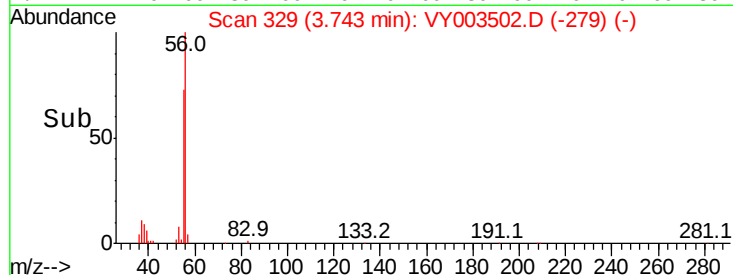
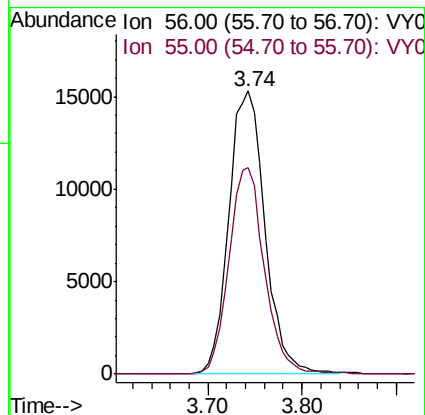
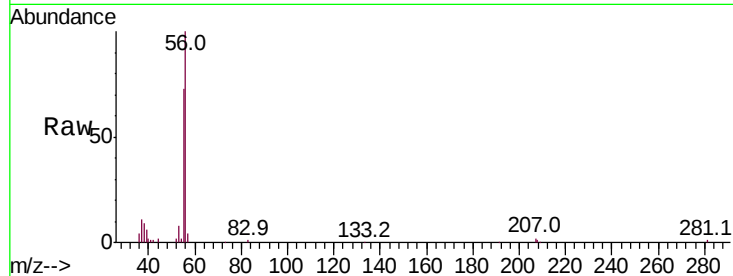
VSTDCCC050EC

Tot Ion: 56 Resp: 40719

Ion Ratio Lower Upper

56 100

55 71.9 56.6 85.0



#14

Allyl chloride

Concen: 49.378 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.01 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

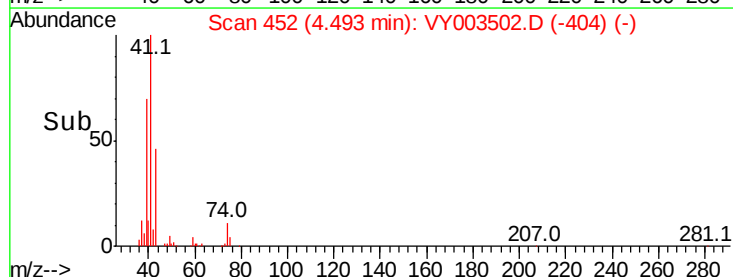
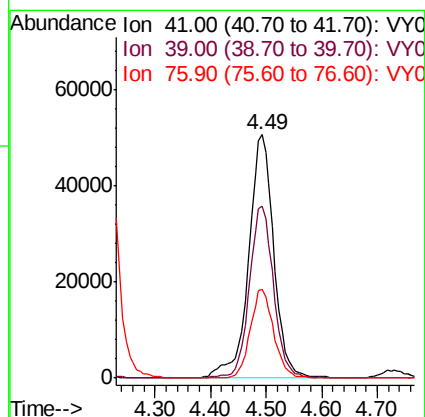
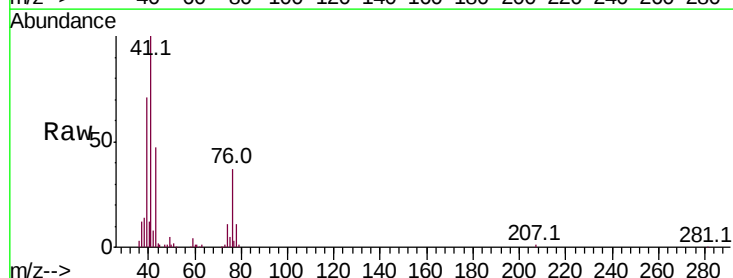
Tgt Ion: 41 Resp: 159683

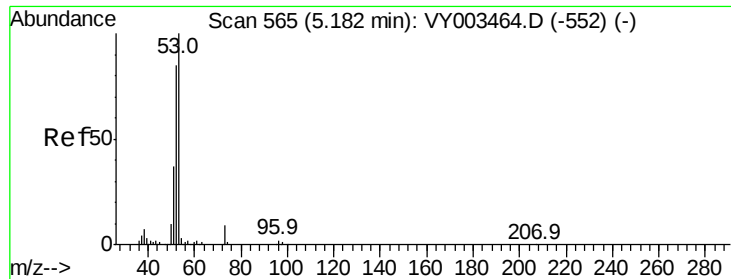
Ion Ratio Lower Upper

41 100

39 67.8 54.4 81.6

76 34.0 27.6 41.4





#15

Acrylonitrile

Concen: 240.973 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.00 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

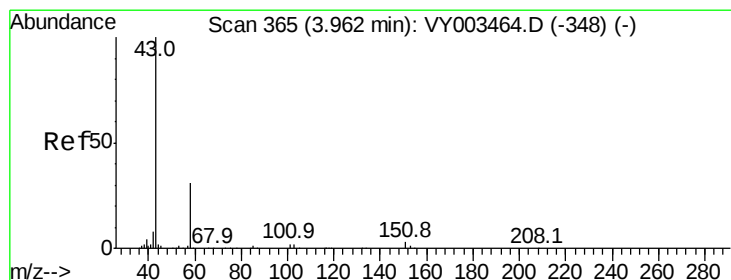
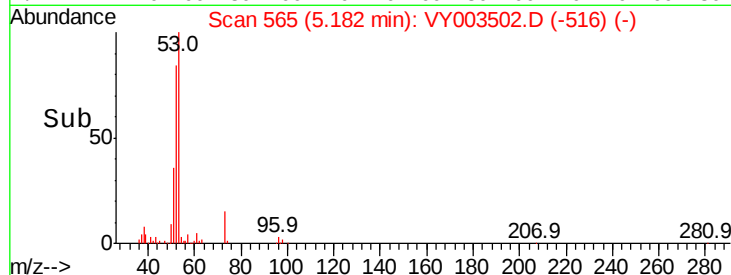
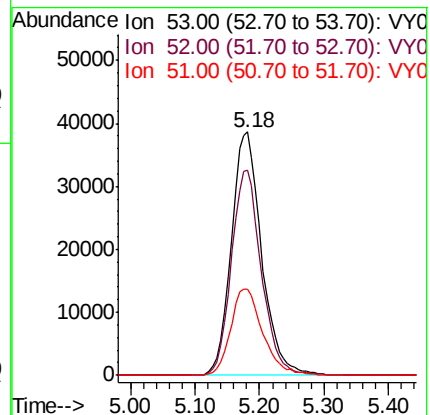
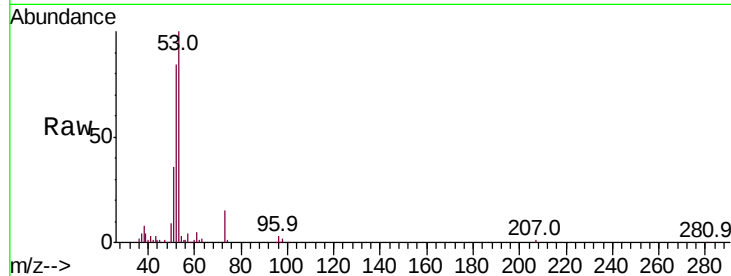
Tot Ion: 53 Resp: 127145

Ion Ratio Lower Upper

53 100

52 83.6 66.9 100.3

51 37.8 29.3 43.9



#16

Acetone

Concen: 200.998 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.01 min

Lab File: VY003502.D

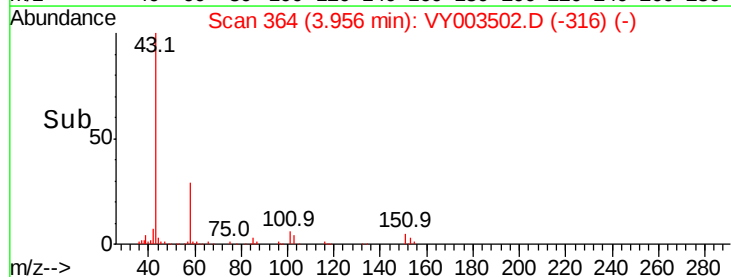
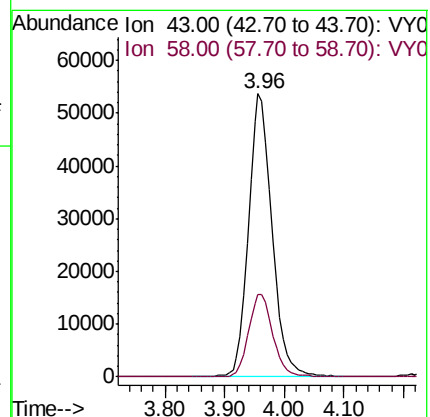
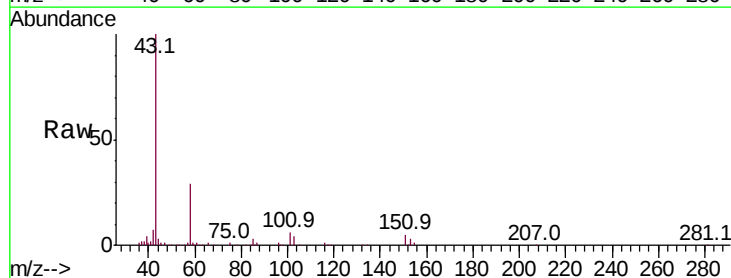
Acq: 03 Nov 2020 18:56

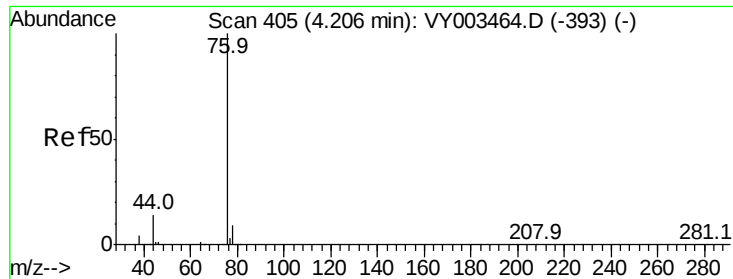
Tgt Ion: 43 Resp: 147638

Ion Ratio Lower Upper

43 100

58 29.0 25.0 37.4

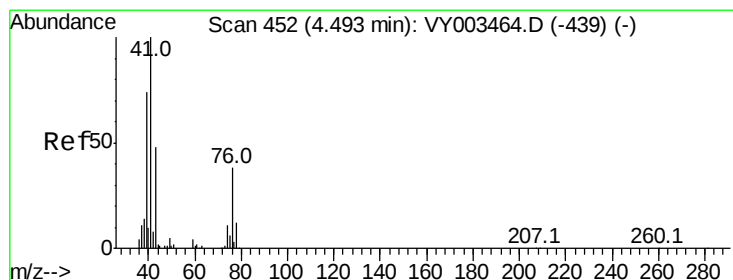
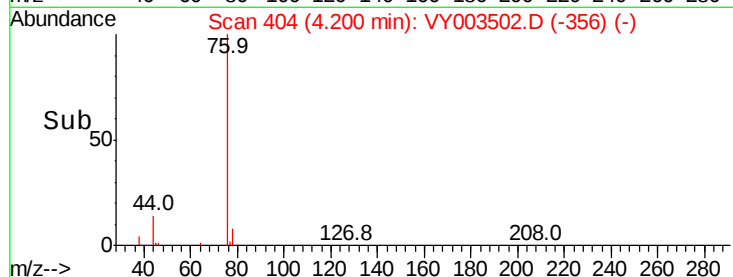
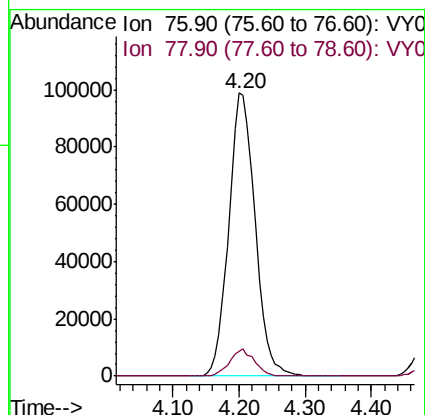
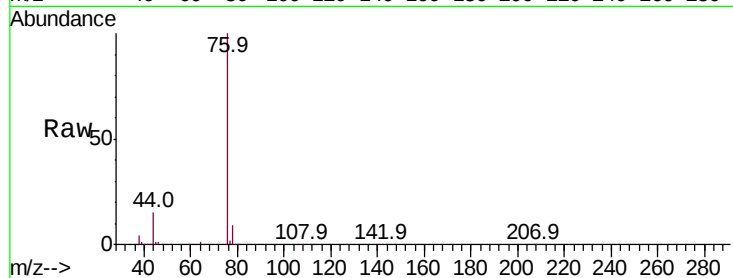




#17  
Carbon Disulfide  
Concen: 47.555 ug/l  
RT: 4.20 min Scan# 404  
Delta R.T. -0.01 min  
Lab File: VY003502.D  
Acq: 03 Nov 2020 18:56

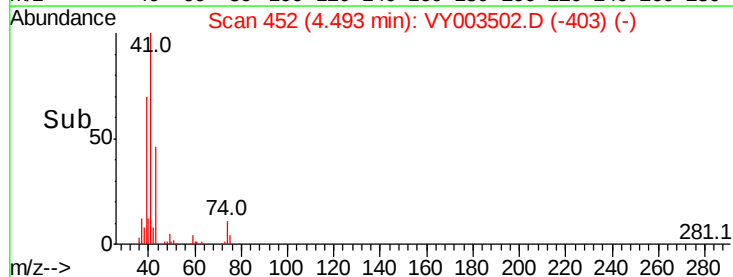
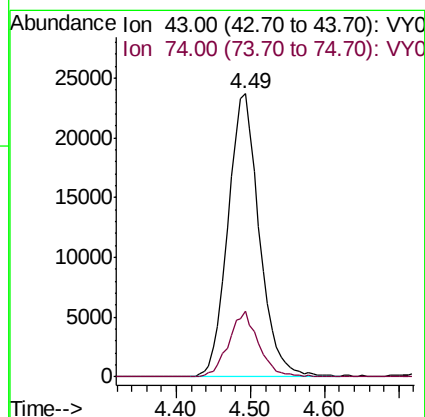
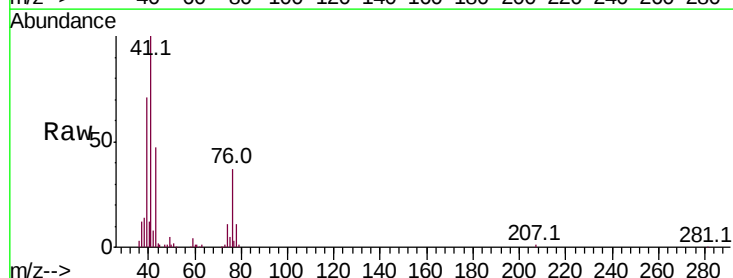
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

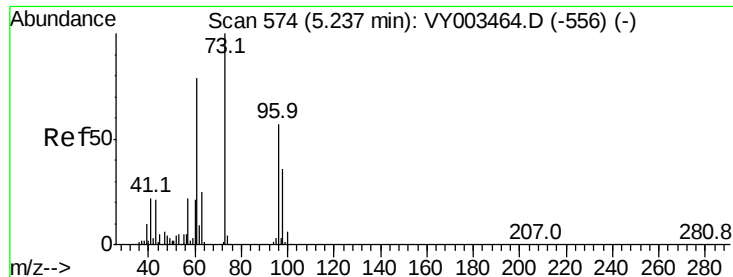
Tot Ion: 76 Resp: 273079  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.4 11.2



#18  
Methyl Acetate  
Concen: 50.379 ug/l  
RT: 4.49 min Scan# 452  
Delta R.T. -0.00 min  
Lab File: VY003502.D  
Acq: 03 Nov 2020 18:56

Tgt Ion: 43 Resp: 69930  
Ion Ratio Lower Upper  
43 100  
74 21.9 18.4 27.6

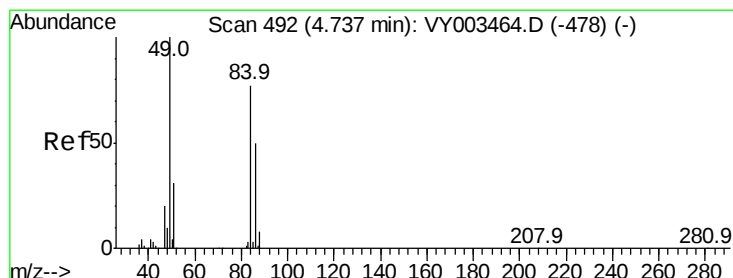
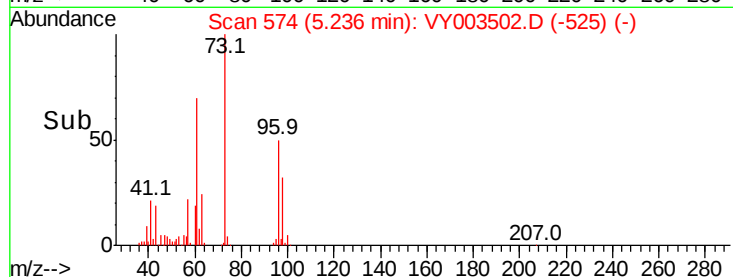
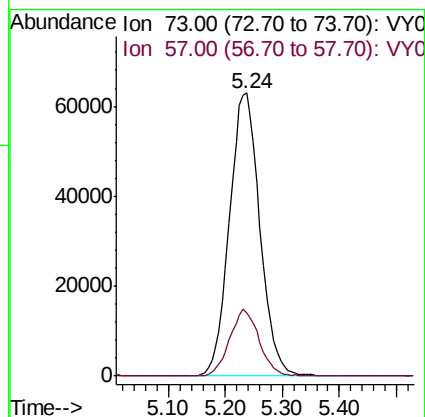
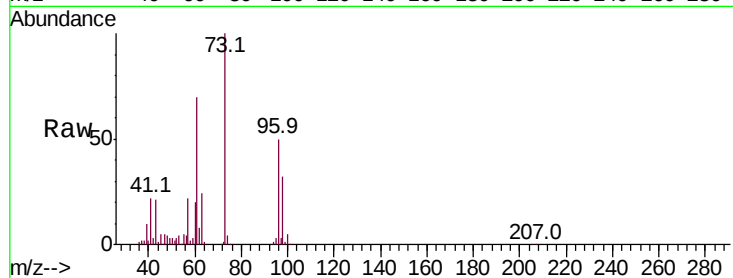




#19  
Methvl tert-butvl Ether  
Concen: 53.530 ug/l  
RT: 5.24 min Scan# 574  
Delta R.T. -0.00 min  
Lab File: VY003502.D  
Acq: 03 Nov 2020 18:56

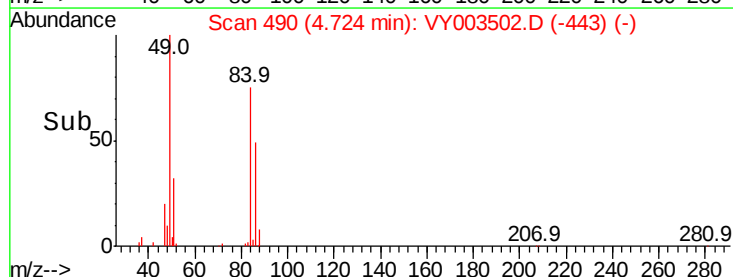
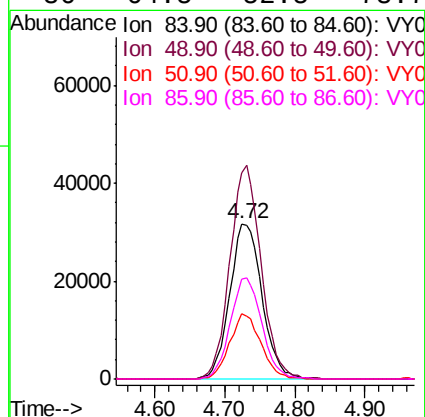
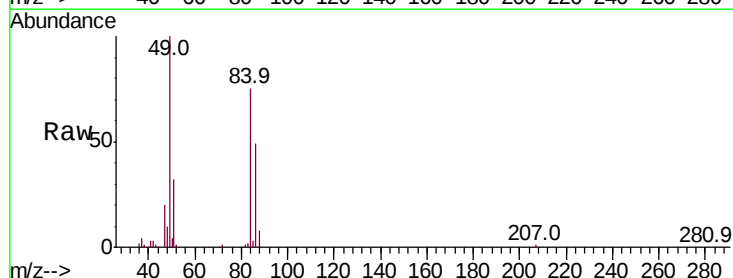
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

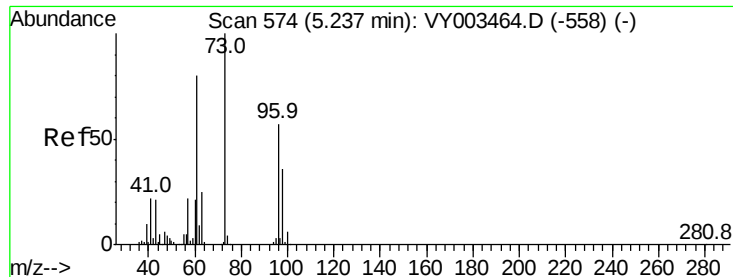
Tot Ion: 73 Resp: 235013  
Ion Ratio Lower Upper  
73 100  
57 22.4 17.2 25.8



#20  
Methylene Chloride  
Concen: 49.121 ug/l  
RT: 4.72 min Scan# 490  
Delta R.T. -0.01 min  
Lab File: VY003502.D  
Acq: 03 Nov 2020 18:56

Tgt Ion: 84 Resp: 101611  
Ion Ratio Lower Upper  
84 100  
49 132.6 104.3 156.5  
51 42.5 32.5 48.7  
86 64.5 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 49.254 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.01 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

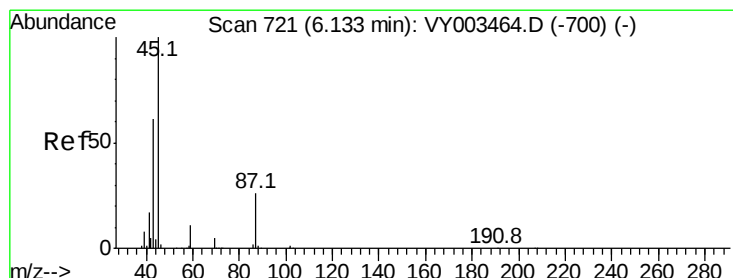
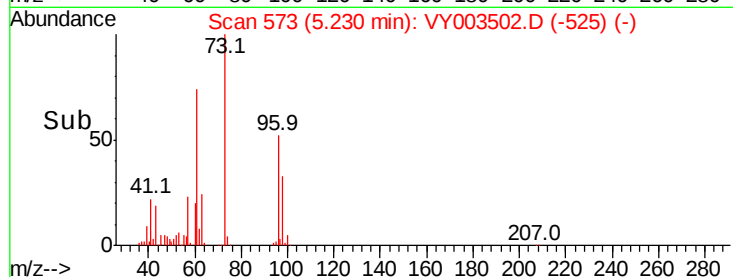
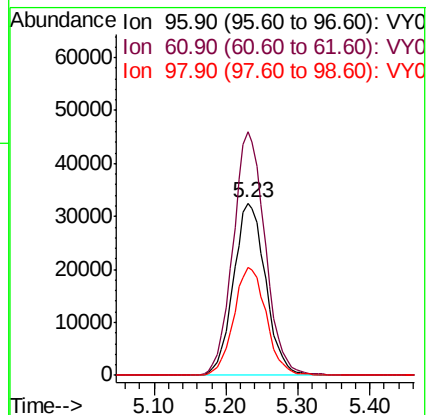
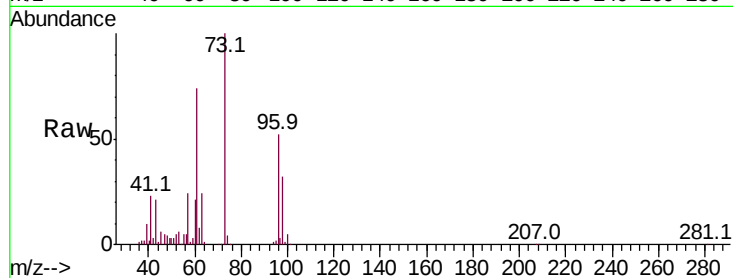
Tot Ion: 96 Resp: 101092

Ion Ratio Lower Upper

96 100

61 141.4 111.3 166.9

98 62.5 50.3 75.5



#22

Diisopropyl ether

Concen: 54.323 ug/l

RT: 6.13 min Scan# 721

Delta R.T. -0.00 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Tgt Ion: 45 Resp: 308125

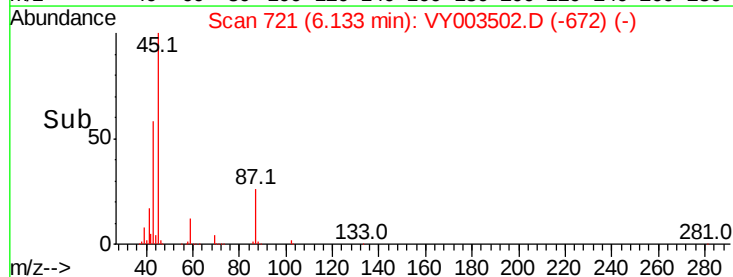
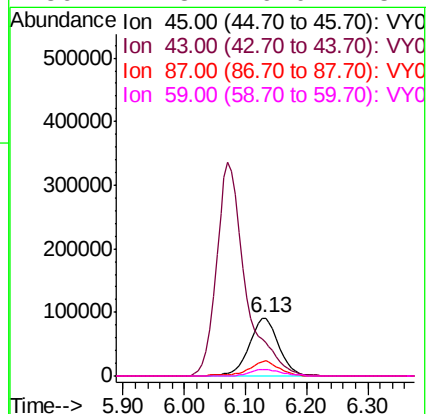
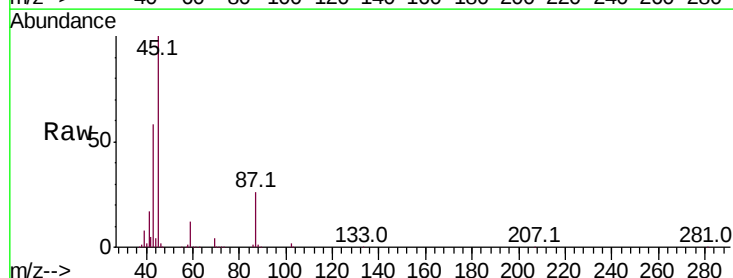
Ion Ratio Lower Upper

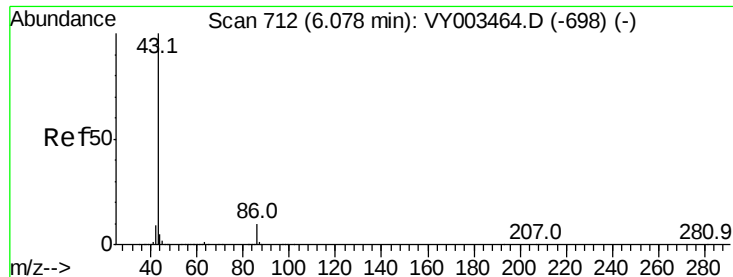
45 100

43 57.9 48.8 73.2

87 25.7 20.6 31.0

59 11.8 9.0 13.4





#23

Vinyl Acetate

Concen: 259.149 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Instrument :

MSVOA\_Y

ClientSampleId :

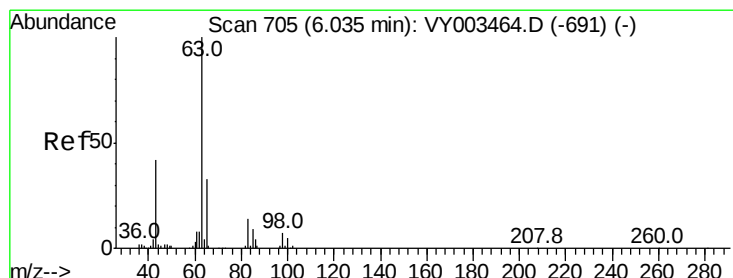
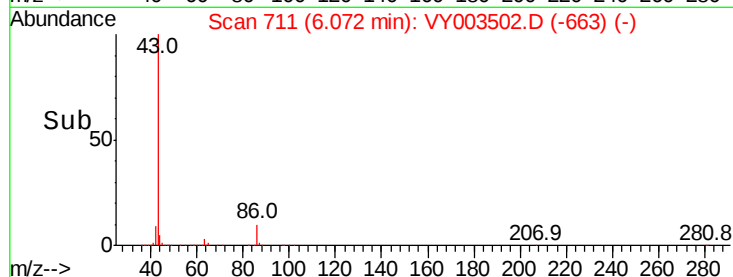
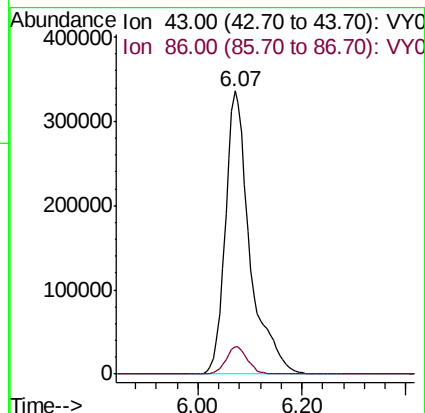
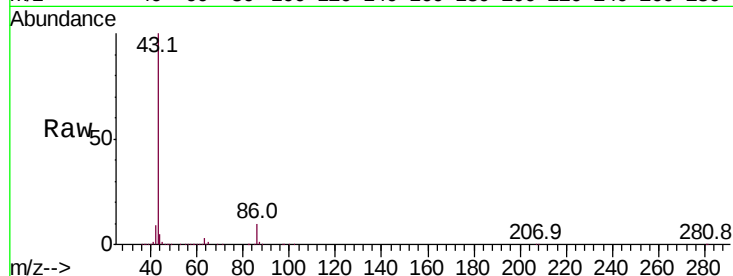
VSTDCCC050EC

Tot Ion: 43 Resp: 1104588

Ion Ratio Lower Upper

43 100

86 9.7 8.2 12.2



#24

1,1-Dichloroethane

Concen: 50.985 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

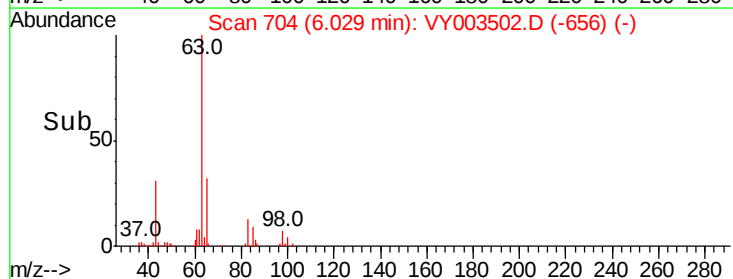
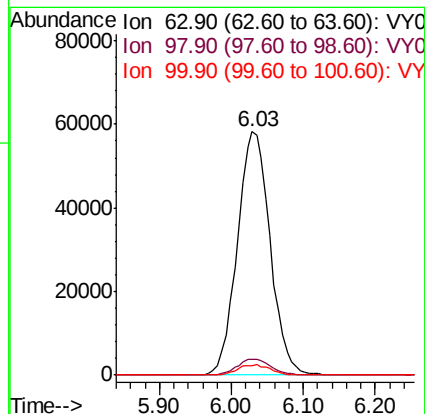
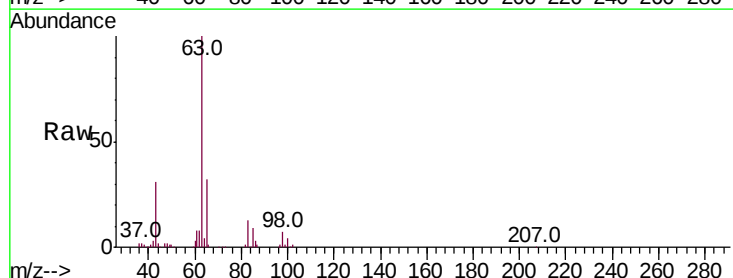
Tgt Ion: 63 Resp: 183771

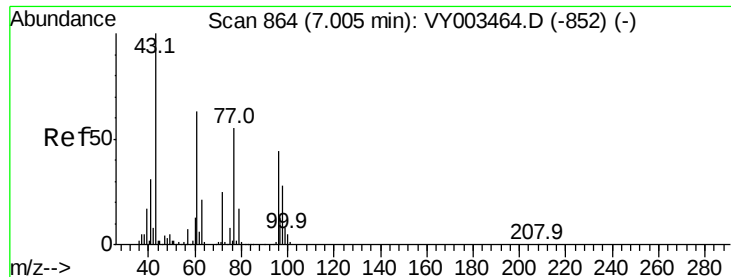
Ion Ratio Lower Upper

63 100

98 6.6 3.6 10.8

100 4.0 2.3 6.9





#25

2-Butanone

Concen: 225.631 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Instrument :

MSVOA\_Y

ClientSampleId :

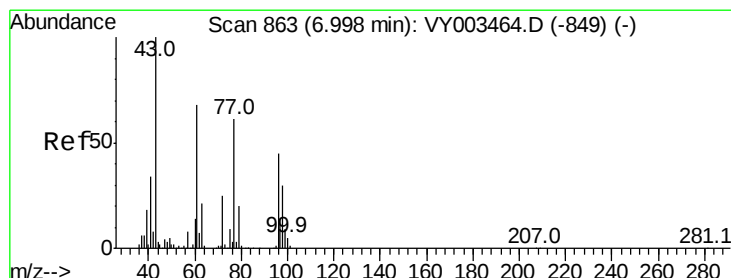
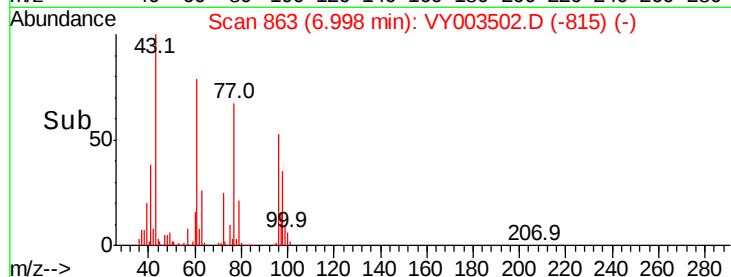
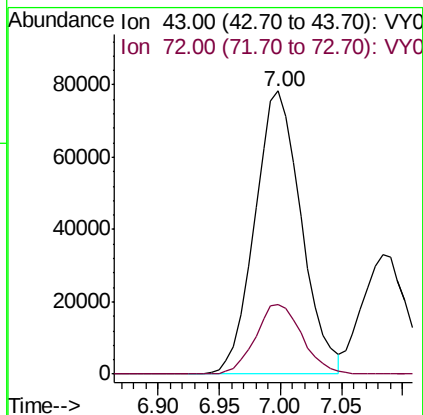
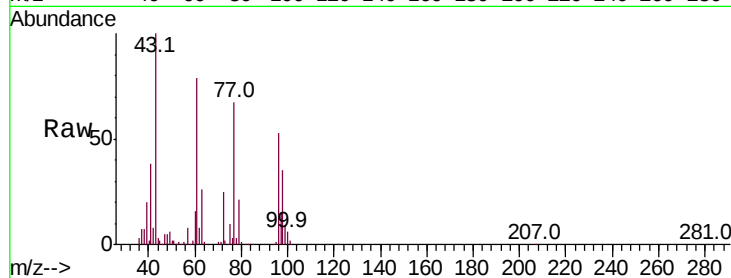
VSTDCCC050EC

Tot Ion: 43 Resp: 207282

Ion Ratio Lower Upper

43 100

72 24.5 20.1 30.1



#26

2,2-Dichloropropane

Concen: 48.418 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY003502.D

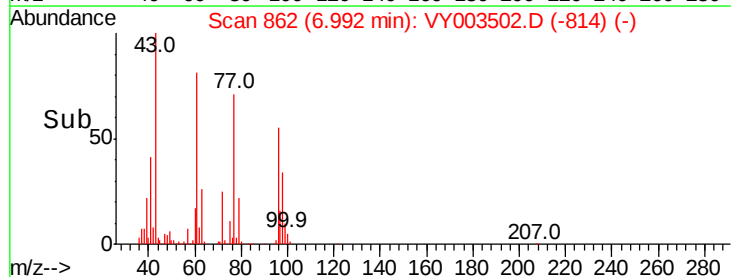
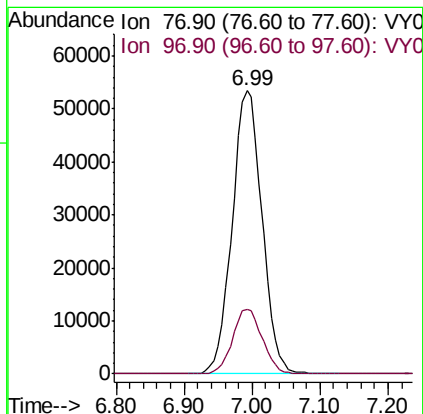
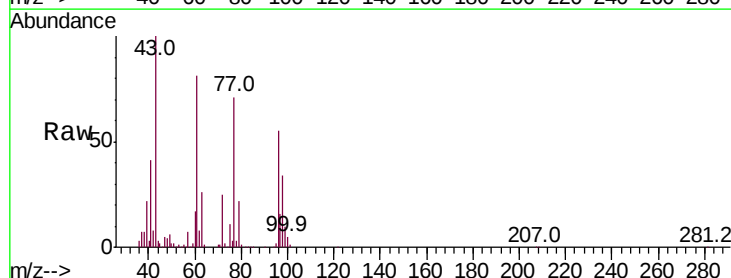
Acq: 03 Nov 2020 18:56

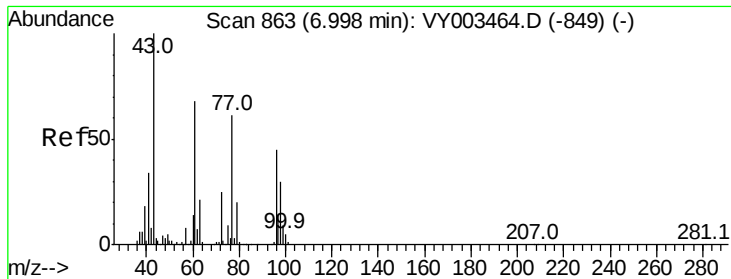
Tgt Ion: 77 Resp: 162586

Ion Ratio Lower Upper

77 100

97 22.8 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 51.264 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

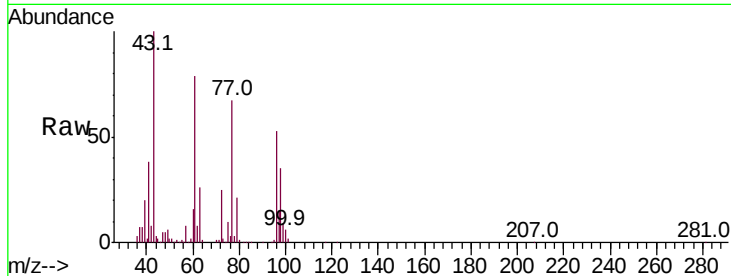
Tot Ion: 96 Resp: 114012

Ion Ratio Lower Upper

96 100

61 149.6 0.0 299.2

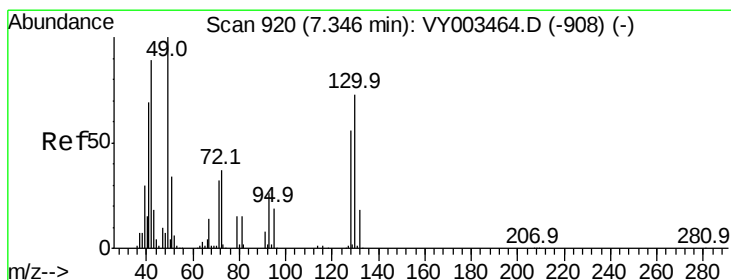
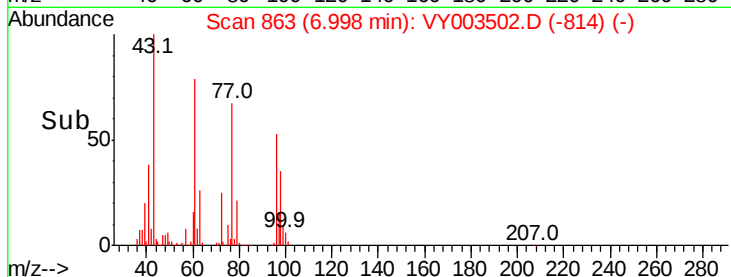
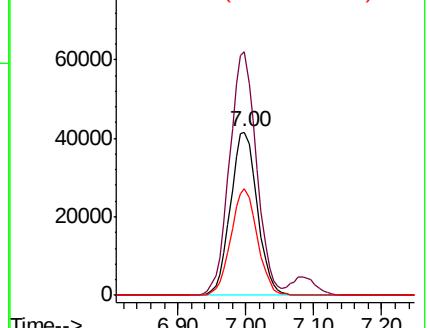
98 64.4 0.0 128.6



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: 55.295 ug/l

RT: 7.35 min Scan# 920

Delta R.T. -0.00 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

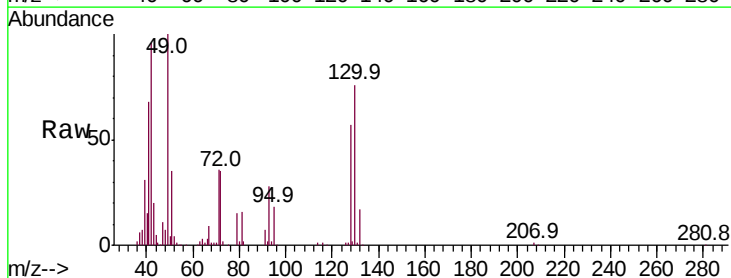
Tgt Ion: 49 Resp: 100264

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

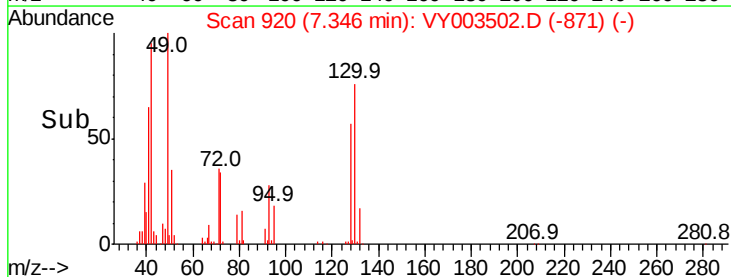
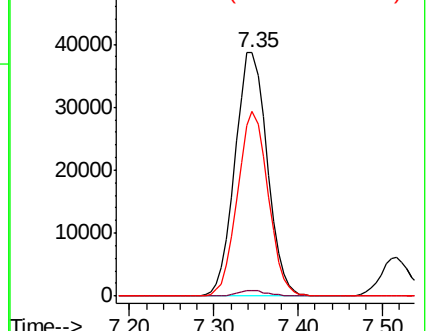
130 72.2 60.0 90.0

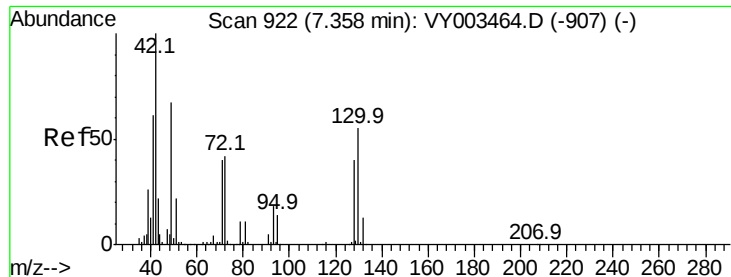


Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 244.417 ug/l

RT: 7.36 min Scan# 922

Delta R.T. -0.00 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

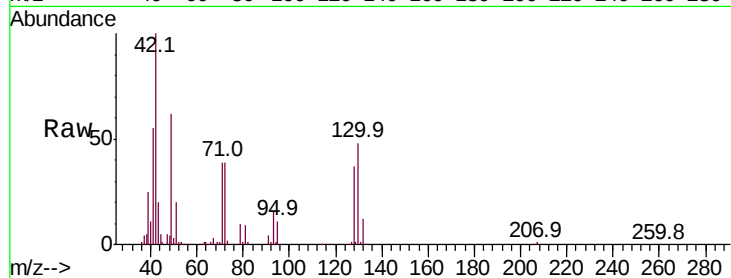
Tot Ion: 42 Resp: 117330

Ion Ratio Lower Upper

42 100

72 39.6 32.8 49.2

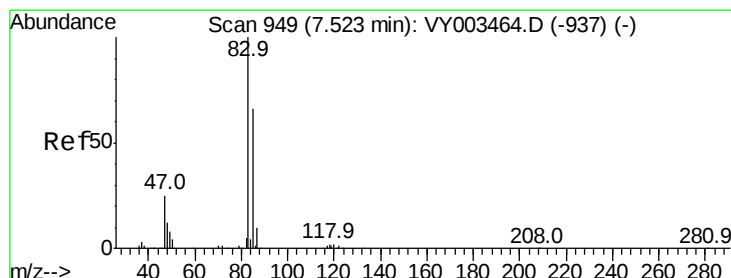
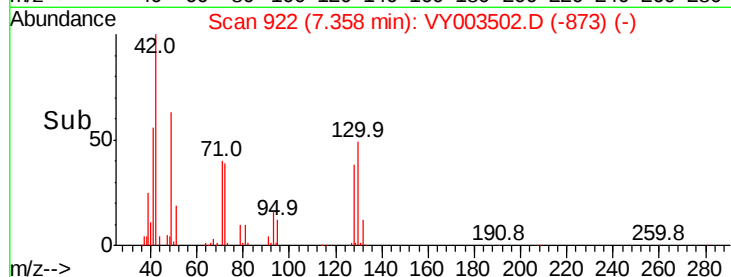
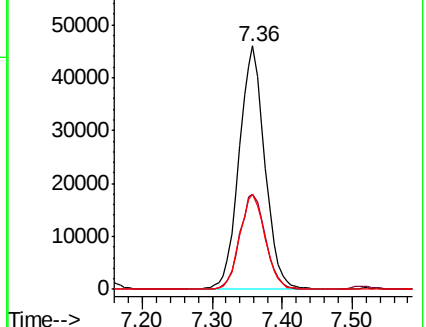
71 38.6 30.7 46.1



Abundance Ion 42.00 (41.70 to 42.70): VY003464.D (-907) (-)

Ion 72.00 (71.70 to 72.70): VY003464.D (-907) (-)

Ion 71.00 (70.70 to 71.70): VY003464.D (-907) (-)



#30

Chloroform

Concen: 52.333 ug/l

RT: 7.52 min Scan# 948

Delta R.T. -0.01 min

Lab File: VY003502.D

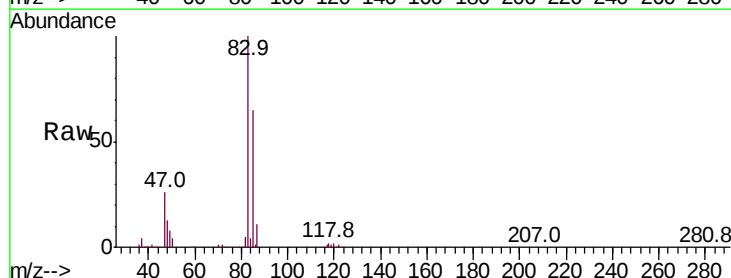
Acq: 03 Nov 2020 18:56

Tgt Ion: 83 Resp: 185269

Ion Ratio Lower Upper

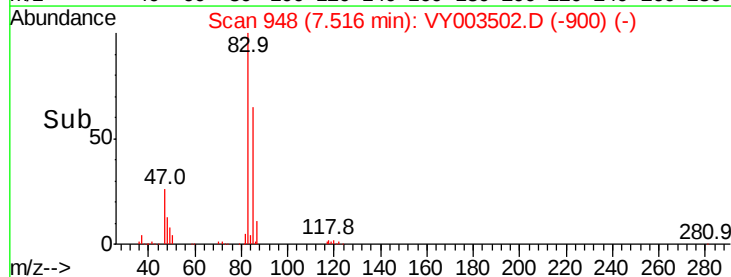
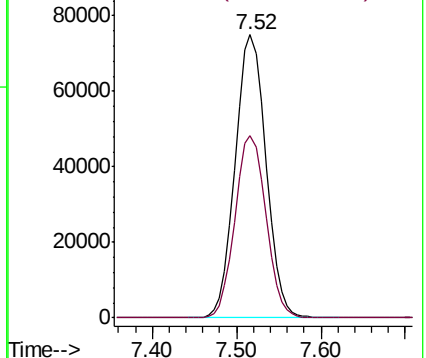
83 100

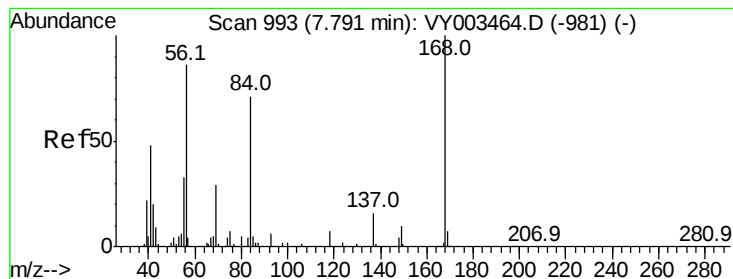
85 64.6 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VY003464.D (-937) (-)

Ion 84.90 (84.60 to 85.60): VY003464.D (-937) (-)





#31

Cyclohexane

Concen: 47.111 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

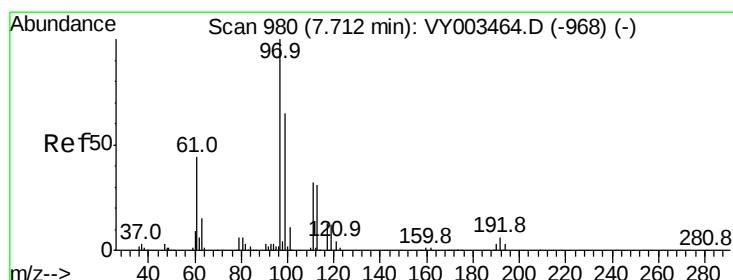
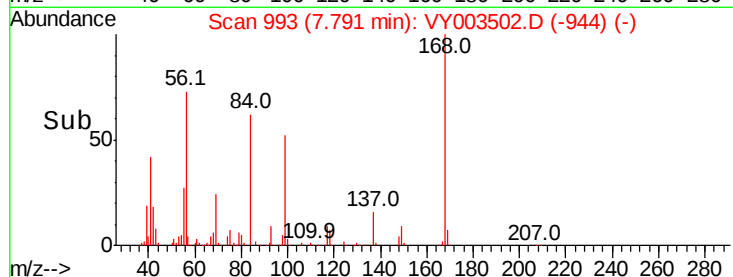
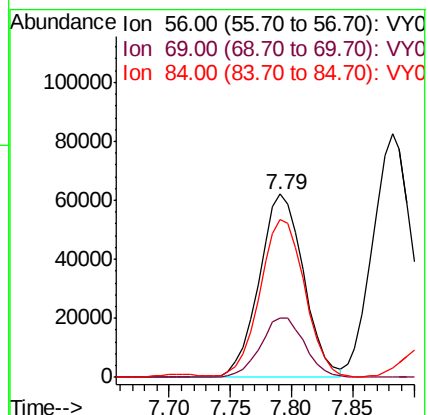
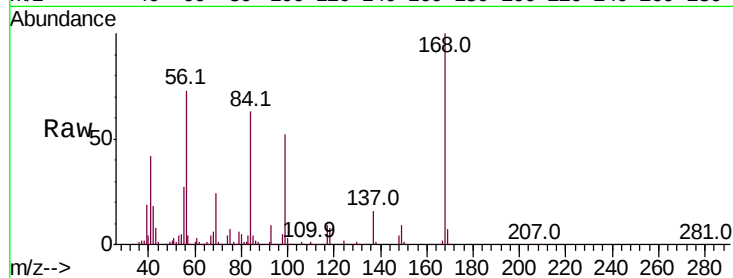
Tot Ion: 56 Resp: 157226

Ion Ratio Lower Upper

56 100

69 32.7 26.6 39.8

84 84.2 65.9 98.9



#32

1,1,1-Trichloroethane

Concen: 50.053 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

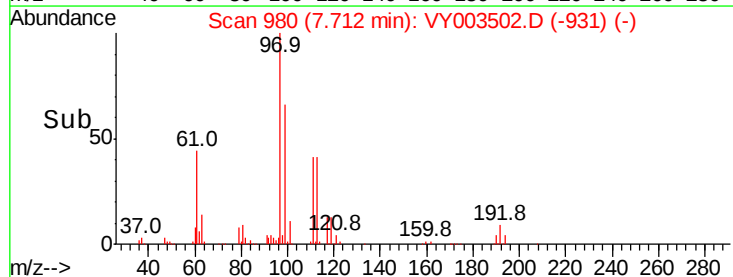
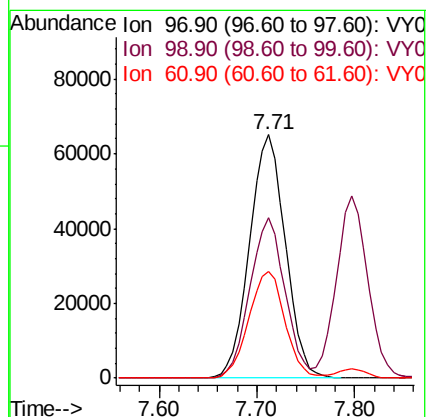
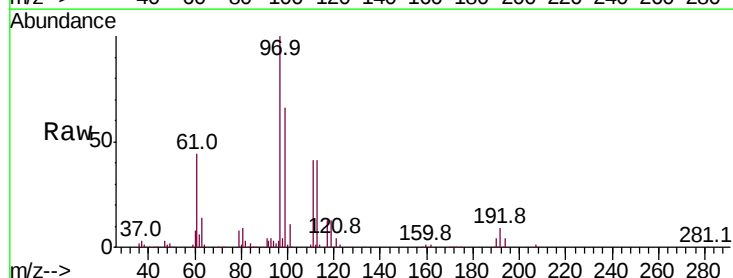
Tgt Ion: 97 Resp: 165311

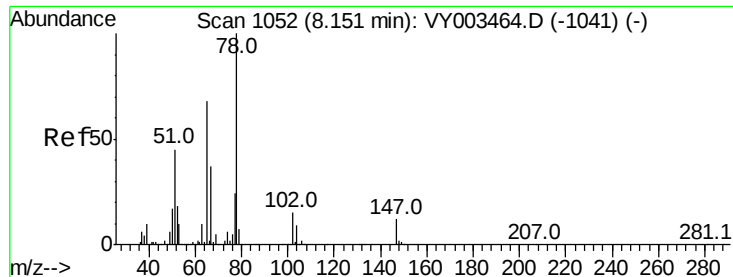
Ion Ratio Lower Upper

97 100

99 64.4 51.6 77.4

61 44.0 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 52.821 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Instrument :

MSVOA\_Y

ClientSampleId :

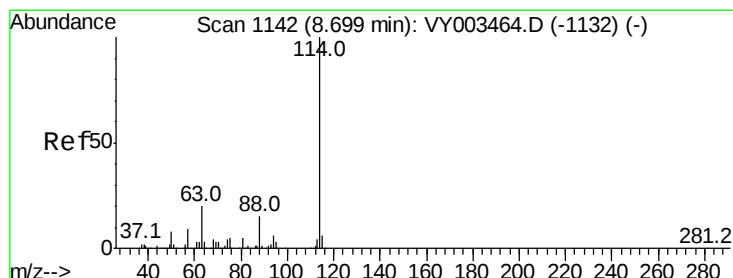
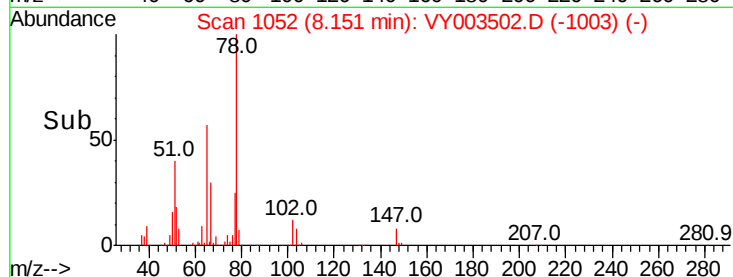
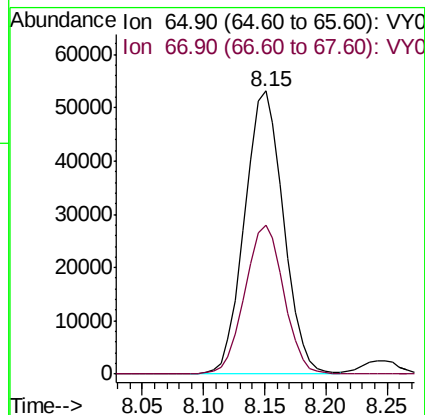
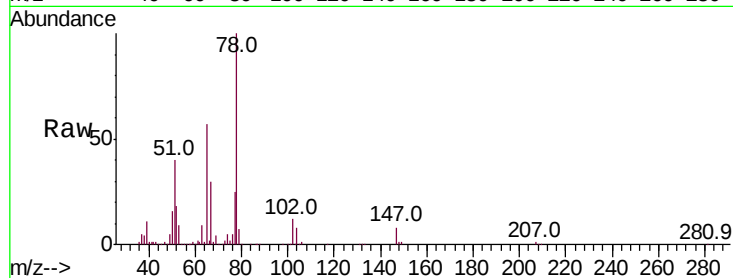
VSTDCCC050EC

Tot Ion: 65 Resp: 117613

Ion Ratio Lower Upper

65 100

67 52.9 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: VY003502.D

Acq: 03 Nov 2020 18:56

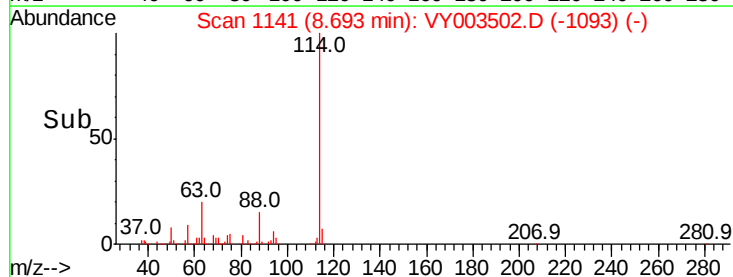
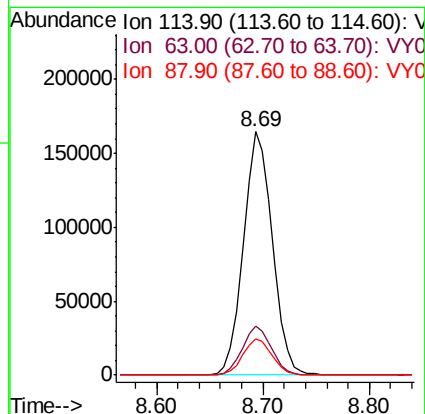
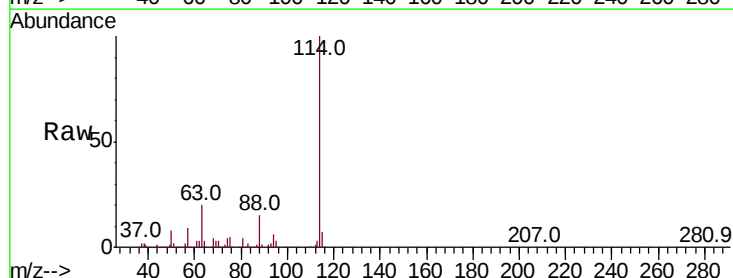
Tgt Ion: 114 Resp: 314322

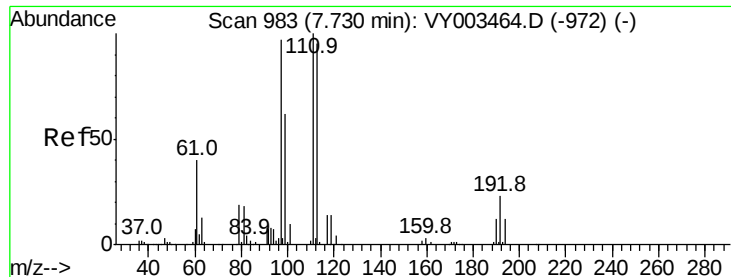
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.6

88 15.0 0.0 29.4

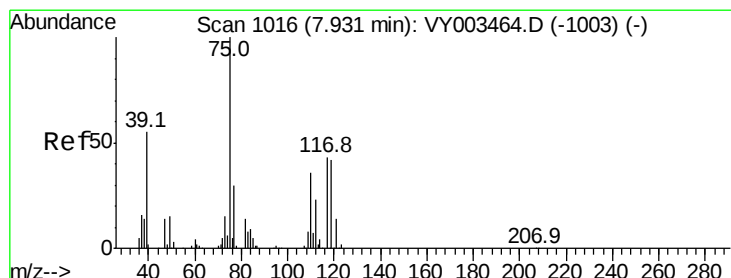
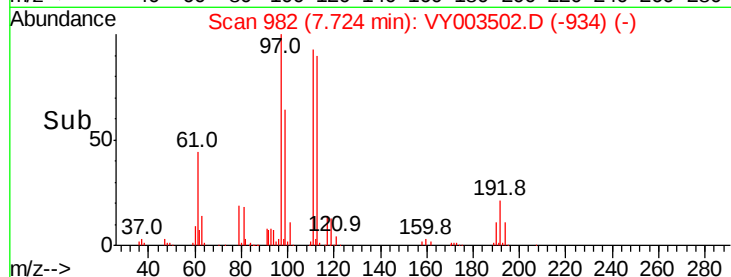
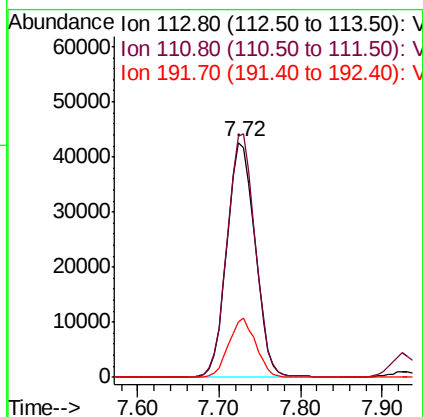
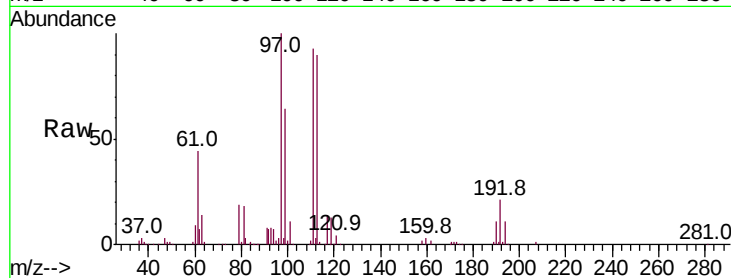




#35  
 Dibromofluoromethane  
 Concen: 53.417 ug/l  
 RT: 7.72 min Scan# 982  
 Delta R.T. -0.01 min  
 Lab File: VY003502.D  
 Acq: 03 Nov 2020 18:56

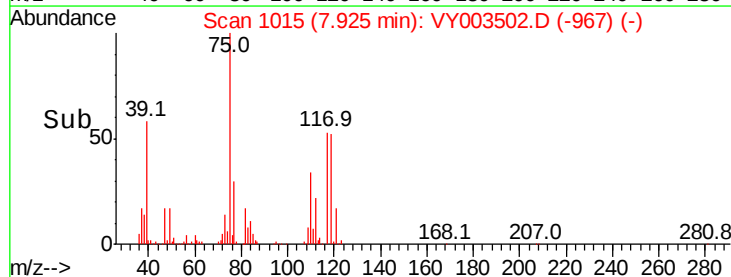
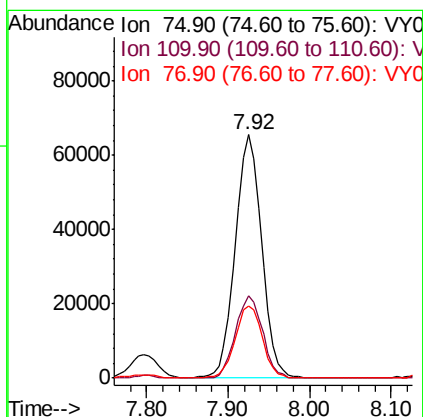
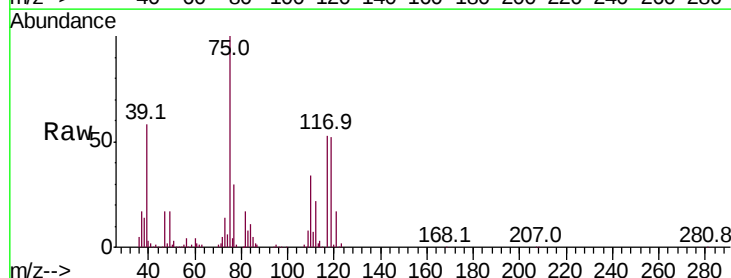
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

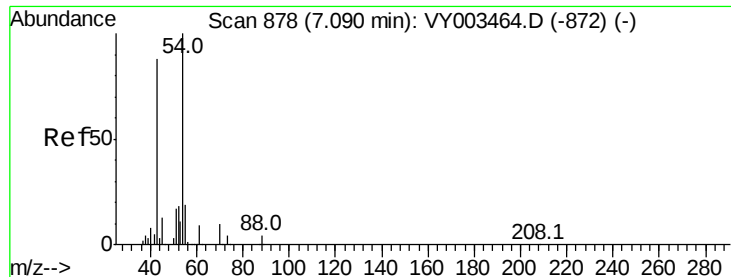
Tot Ion:113 Resp: 102172  
 Ion Ratio Lower Upper  
 113 100  
 111 102.9 81.8 122.6  
 192 24.0 18.8 28.2



#36  
 1,1-Dichloropropene  
 Concen: 49.239 ug/l  
 RT: 7.92 min Scan# 1015  
 Delta R.T. -0.01 min  
 Lab File: VY003502.D  
 Acq: 03 Nov 2020 18:56

Tgt Ion: 75 Resp: 145922  
 Ion Ratio Lower Upper  
 75 100  
 110 34.5 17.6 52.9  
 77 30.6 24.7 37.1

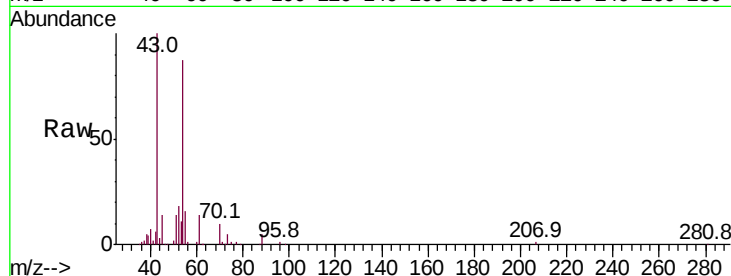




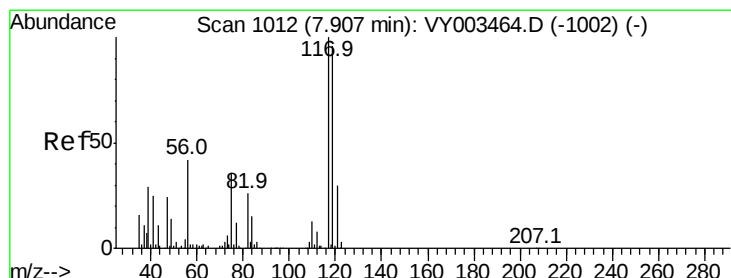
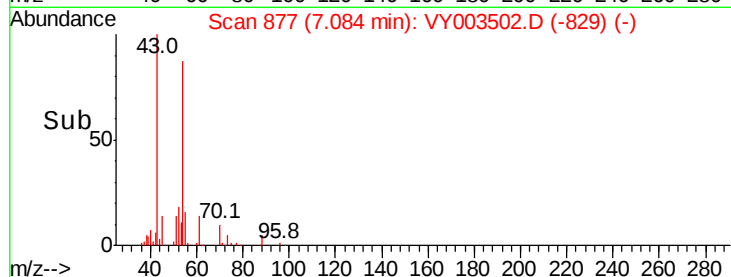
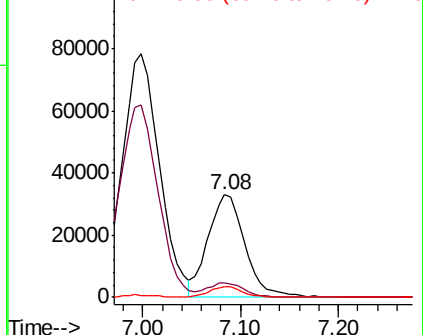
#37  
Ethyl Acetate  
Concen: 46.883 ug/l  
RT: 7.08 min Scan# 877  
Delta R.T. -0.01 min  
Lab File: VY003502.D  
Acq: 03 Nov 2020 18:56

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 86276  
Ion Ratio Lower Upper  
43 100  
61 14.2 11.0 16.6  
70 9.7 7.9 11.9

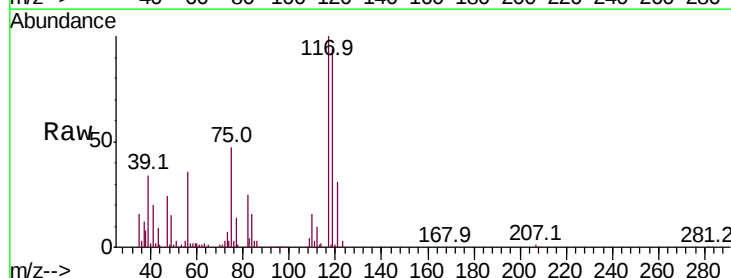


Abundance Ion 43.00 (42.70 to 43.70): VY0  
Ion 60.90 (60.60 to 61.60): VY0  
Ion 70.00 (69.70 to 70.70): VY0

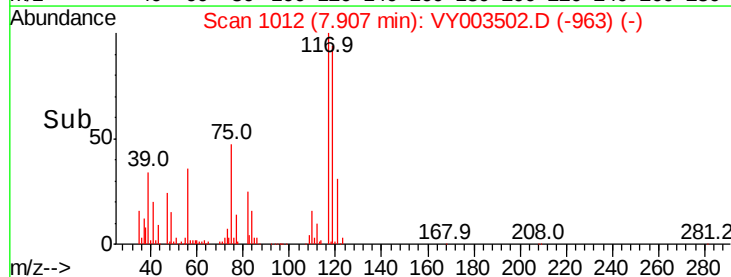
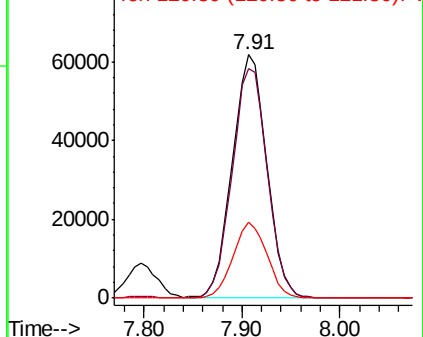


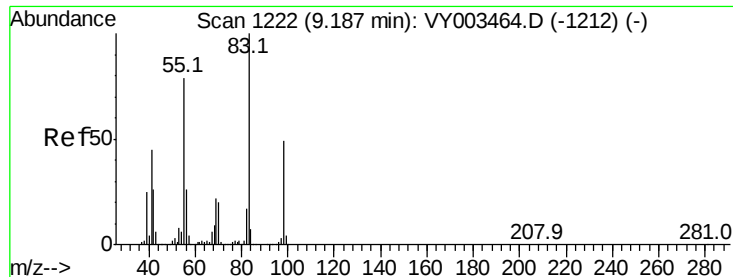
#38  
Carbon Tetrachloride  
Concen: 49.088 ug/l  
RT: 7.91 min Scan# 1012  
Delta R.T. -0.00 min  
Lab File: VY003502.D  
Acq: 03 Nov 2020 18:56

Tgt Ion: 117 Resp: 150917  
Ion Ratio Lower Upper  
117 100  
119 94.1 76.2 114.4  
121 31.3 24.2 36.4



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

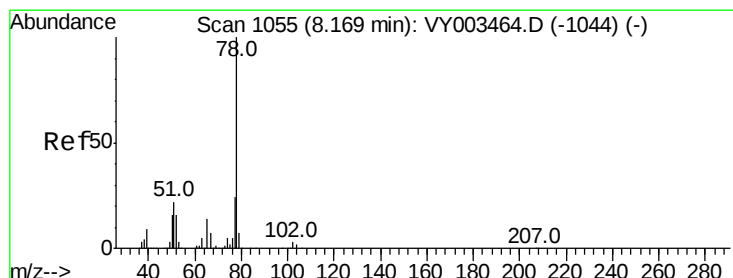
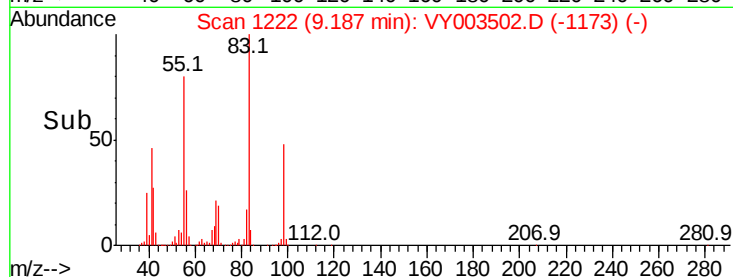
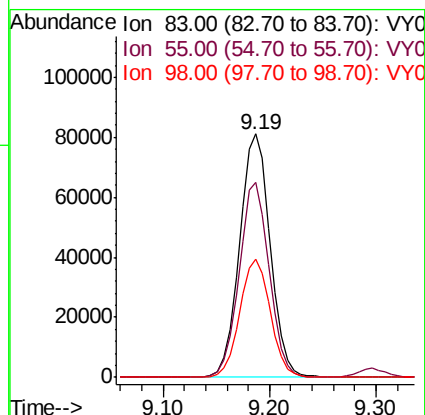
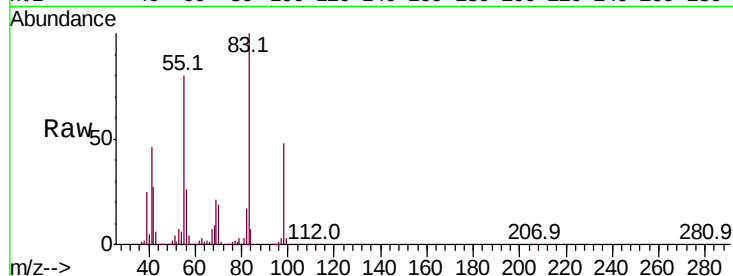




#39  
Methvlcvclohexane  
Concen: 49.635 ug/l  
RT: 9.19 min Scan# 1222  
Delta R.T. -0.00 min  
Lab File: VY003502.D  
Acq: 03 Nov 2020 18:56

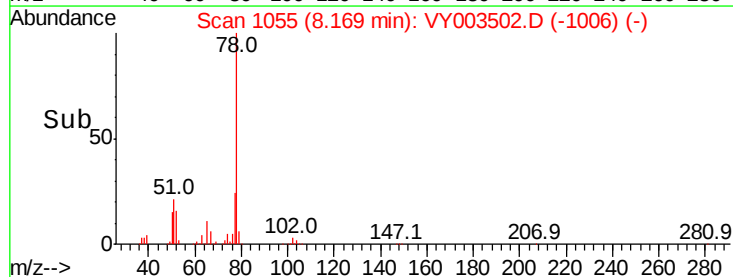
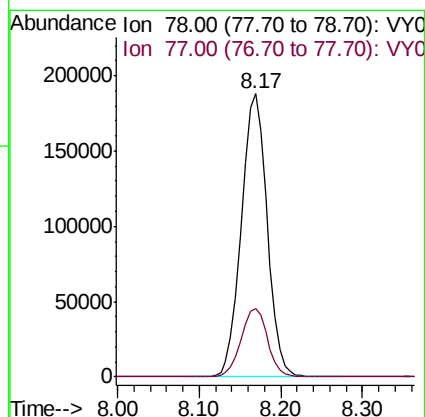
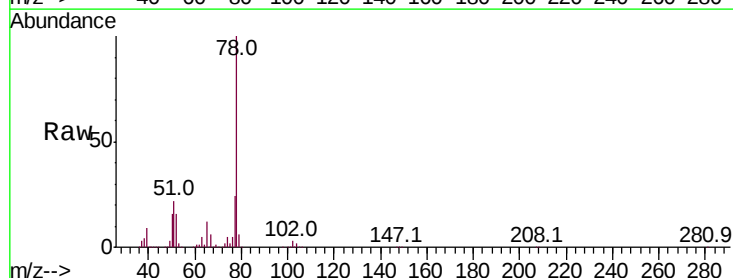
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

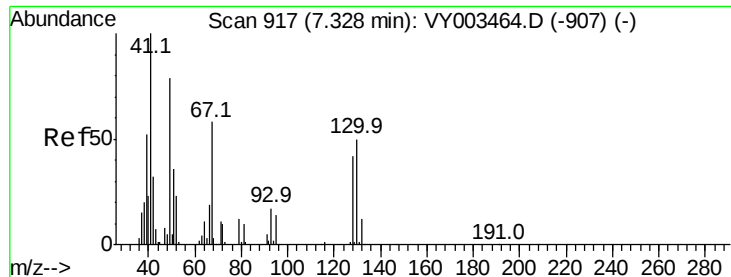
Tot Ion: 83 Resp: 163789  
Ion Ratio Lower Upper  
83 100  
55 80.3 63.5 95.3  
98 48.5 39.4 59.2



#40  
Benzene  
Concen: 49.850 ug/l  
RT: 8.17 min Scan# 1055  
Delta R.T. -0.00 min  
Lab File: VY003502.D  
Acq: 03 Nov 2020 18:56

Tgt Ion: 78 Resp: 411131  
Ion Ratio Lower Upper  
78 100  
77 24.3 19.4 29.0

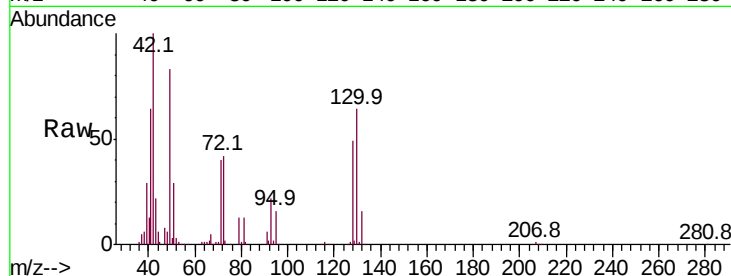




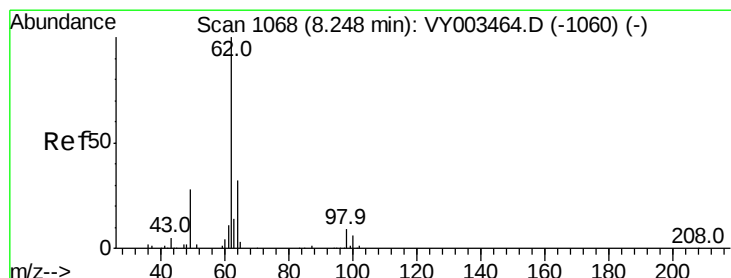
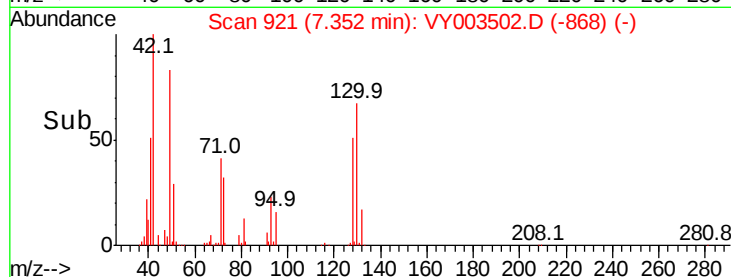
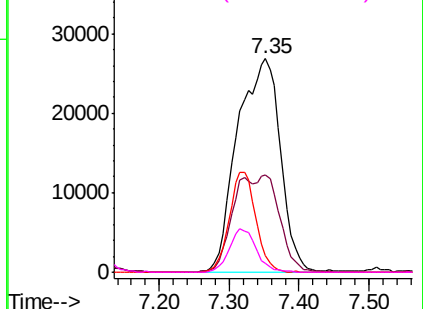
#41  
Methacrylonitrile  
Concen: 116.500 ug/l  
RT: 7.35 min Scan# 921  
Delta R.T. 0.02 min  
Lab File: VY003502.D  
Acq: 03 Nov 2020 18:56

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 114485 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 0.0   | 0.0   | 0.0    |
| 67       | 0.0   | 0.0   | 0.0    |
| 52       | 0.0   | 0.0   | 0.0    |

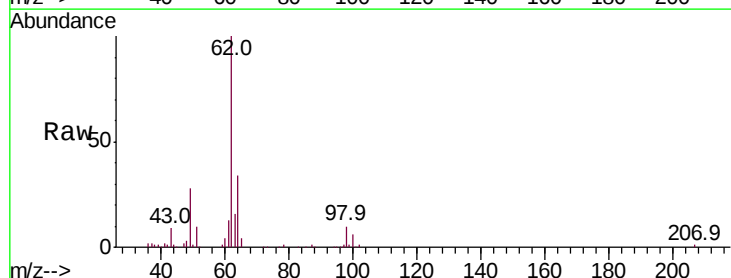


Abundance Ion 41.00 (40.70 to 41.70): VY0  
Ion 39.00 (38.70 to 39.70): VY0  
Ion 67.00 (66.70 to 67.70): VY0  
Ion 52.00 (51.70 to 52.70): VY0

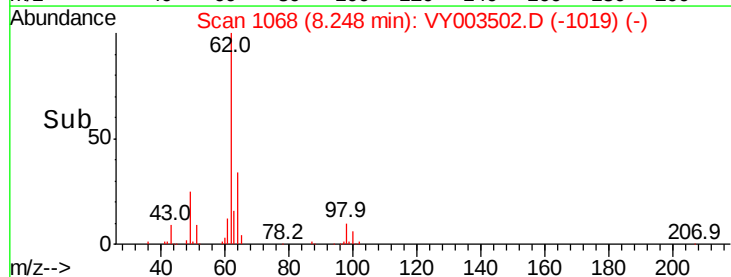
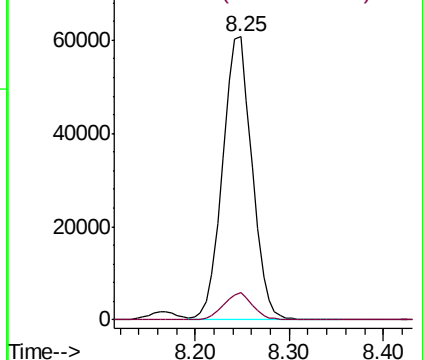


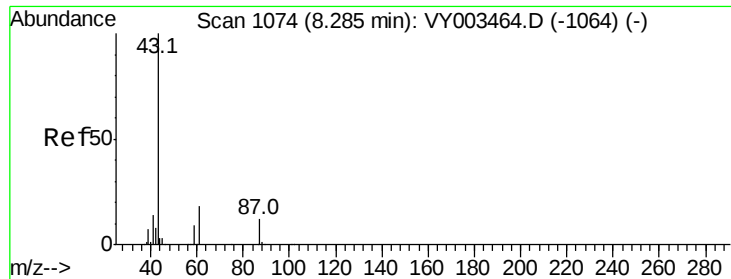
#42  
1,2-Dichloroethane  
Concen: 51.056 ug/l  
RT: 8.25 min Scan# 1068  
Delta R.T. -0.00 min  
Lab File: VY003502.D  
Acq: 03 Nov 2020 18:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 131937 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.4   | 0.0   | 18.2   |



Abundance Ion 61.90 (61.60 to 62.60): VY0  
Ion 97.90 (97.60 to 98.60): VY0



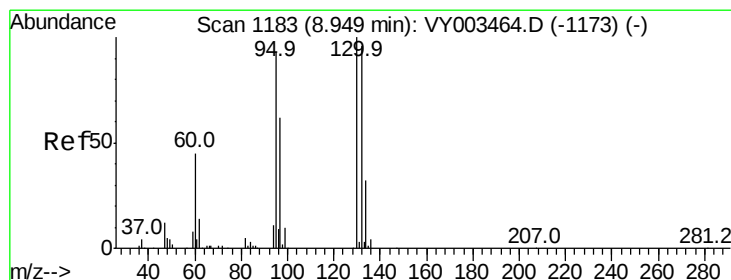
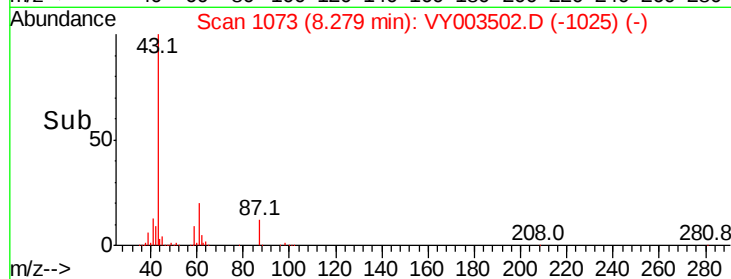
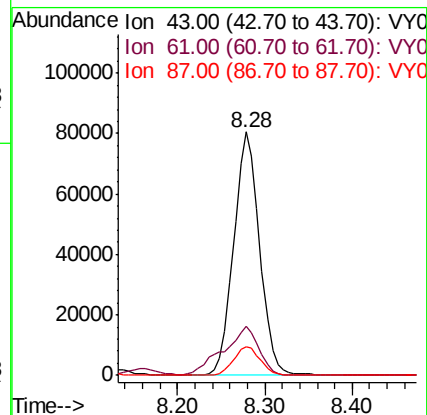
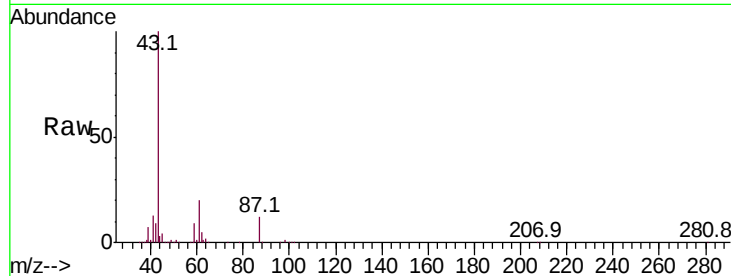


#43

Isopropyl Acetate  
 Concen: 50.096 ug/l  
 RT: 8.28 min Scan# 1073  
 Delta R.T. -0.01 min  
 Lab File: VY003502.D  
 Acq: 03 Nov 2020 18:56

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

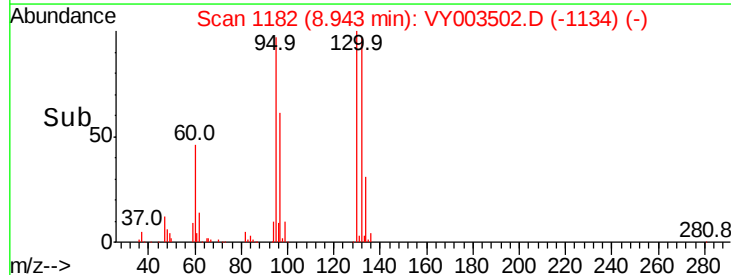
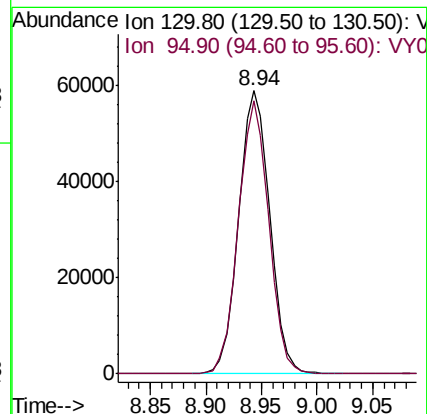
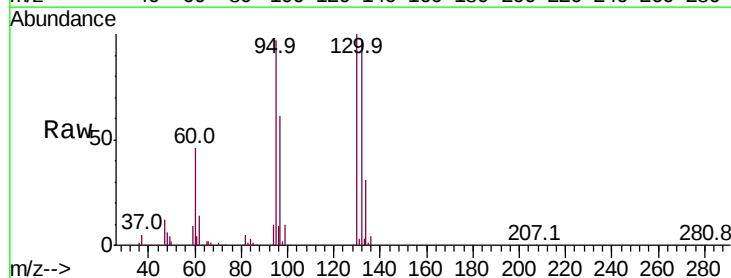
Tot Ion: 43 Resp: 165680  
 Ion Ratio Lower Upper  
 43 100  
 61 27.9 21.9 32.9  
 87 12.1 10.0 15.0

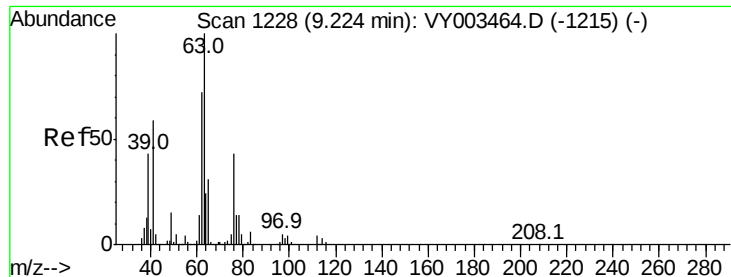


#44

Trichloroethene  
 Concen: 49.367 ug/l  
 RT: 8.94 min Scan# 1182  
 Delta R.T. -0.01 min  
 Lab File: VY003502.D  
 Acq: 03 Nov 2020 18:56

Tgt Ion: 130 Resp: 114298  
 Ion Ratio Lower Upper  
 130 100  
 95 96.7 0.0 186.6





#45

1,2-Dichloropropane

Concen: 51.592 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Instrument :

MSVOA\_Y

ClientSampleId :

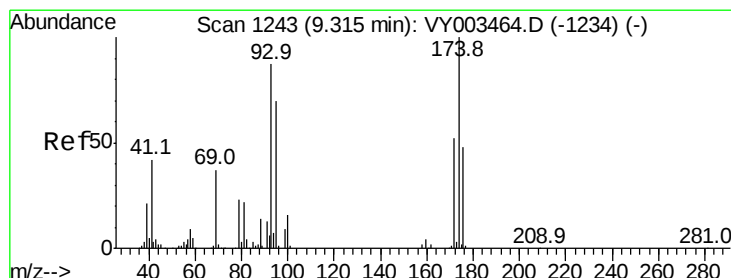
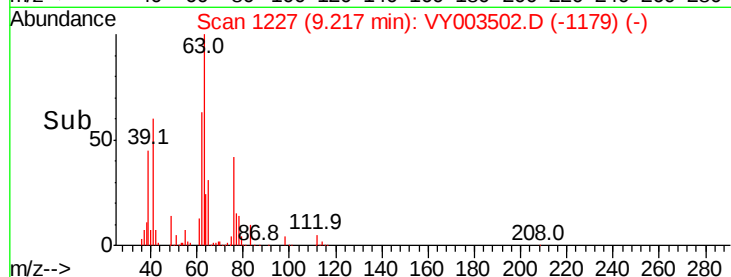
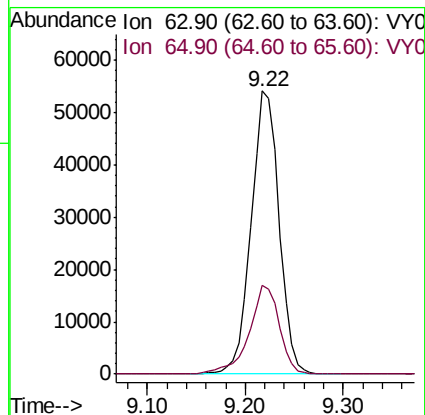
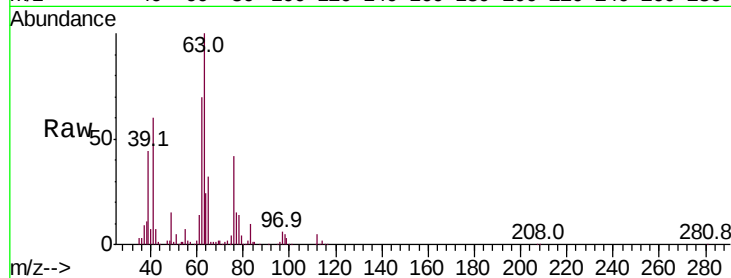
VSTDCCC050EC

Tot Ion: 63 Resp: 107453

Ion Ratio Lower Upper

63 100

65 31.5 24.6 36.8



#46

Dibromomethane

Concen: 51.440 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

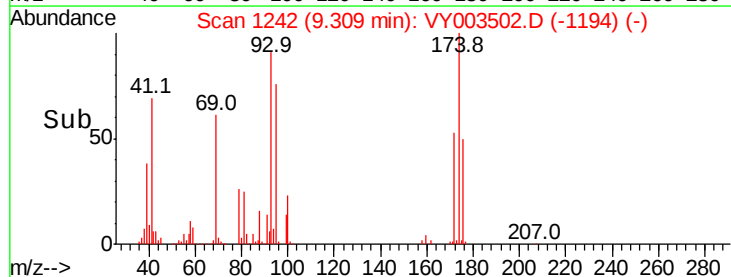
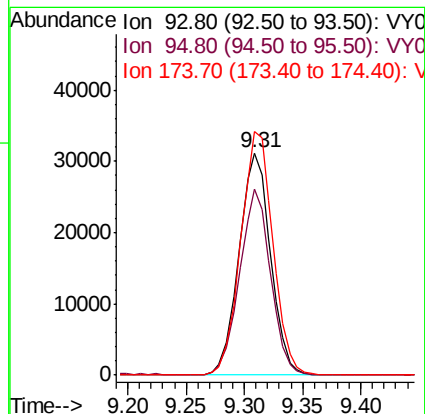
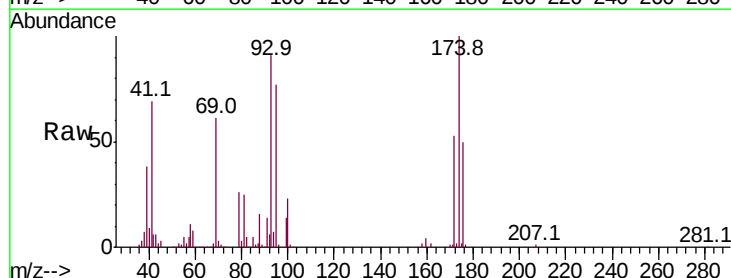
Tgt Ion: 93 Resp: 58942

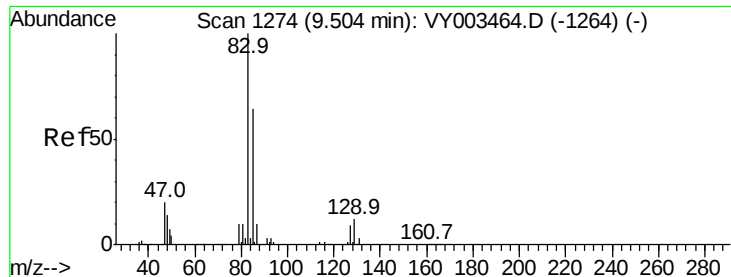
Ion Ratio Lower Upper

93 100

95 82.2 65.0 97.6

174 112.0 91.8 137.6





#47

Bromodichloromethane

Concen: 52.783 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

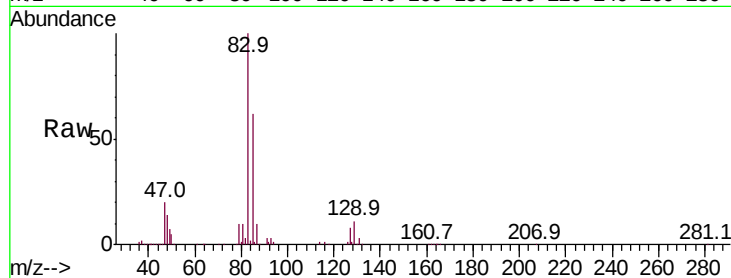
Tot Ion: 83 Resp: 148032

Ion Ratio Lower Upper

83 100

85 62.3 51.0 76.6

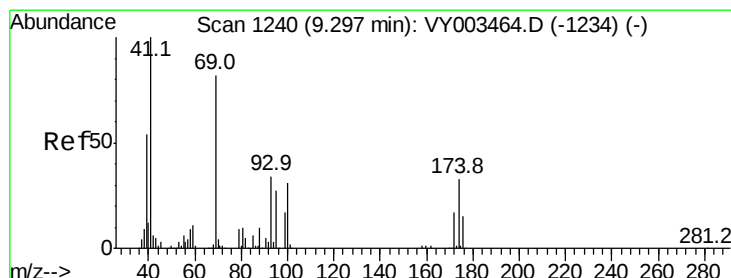
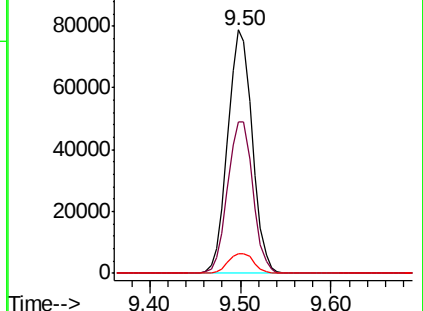
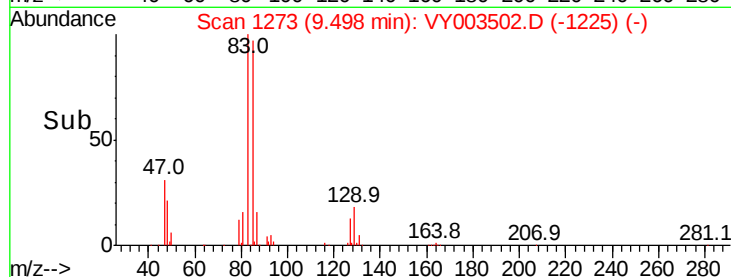
127 8.3 7.1 10.7



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



#48

Methyl methacrylate

Concen: 49.691 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

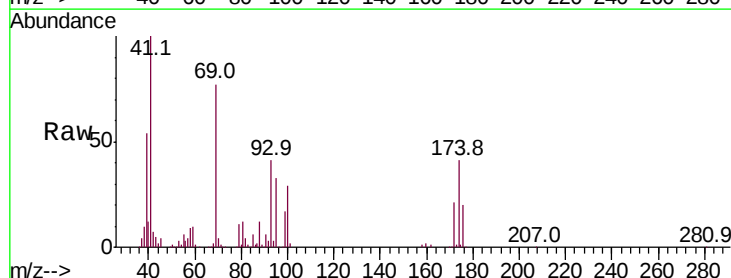
Tgt Ion: 41 Resp: 77415

Ion Ratio Lower Upper

41 100

69 82.7 65.9 98.9

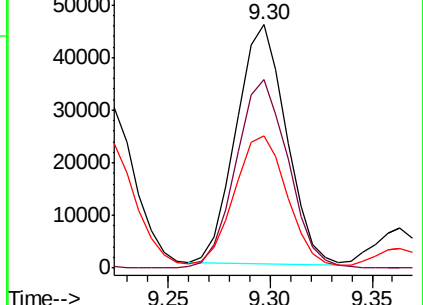
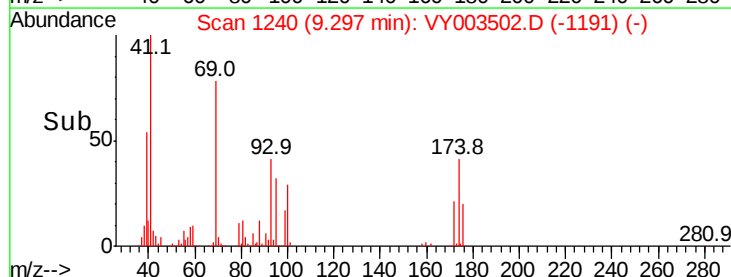
39 58.9 43.2 64.8

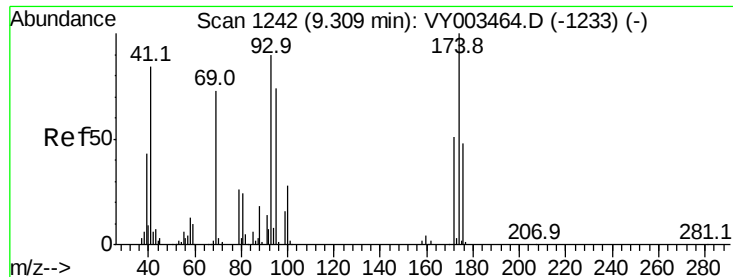


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

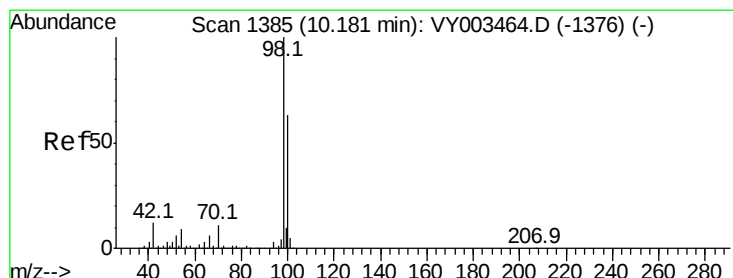
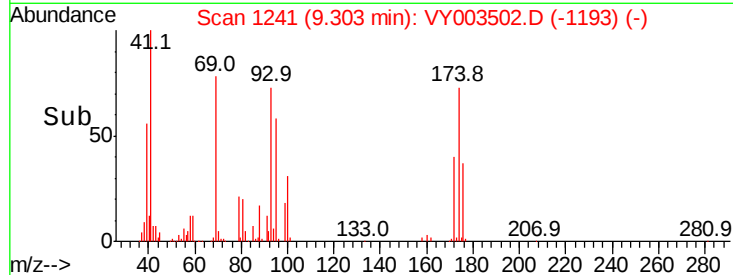
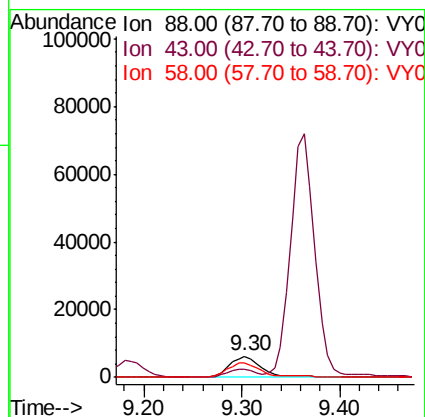
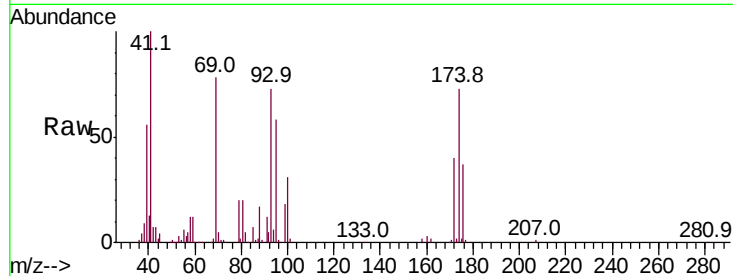




#49  
 1,4-Dioxane  
 Concen: 1005.577 ug/l  
 RT: 9.30 min Scan# 1241  
 Delta R.T. -0.01 min  
 Lab File: VY003502.D  
 Acq: 03 Nov 2020 18:56

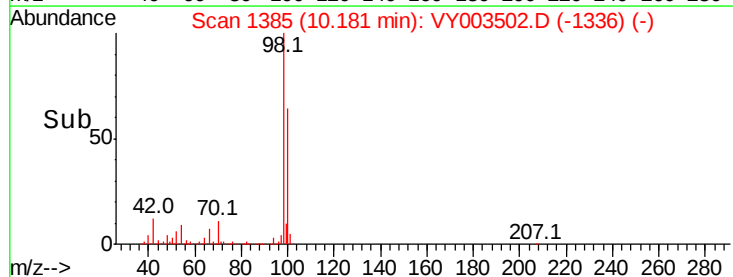
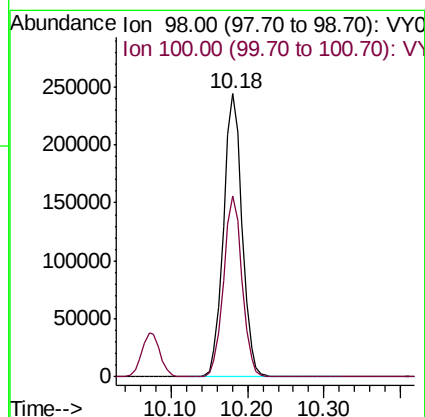
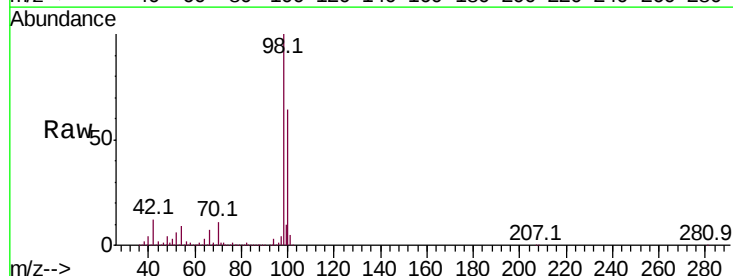
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

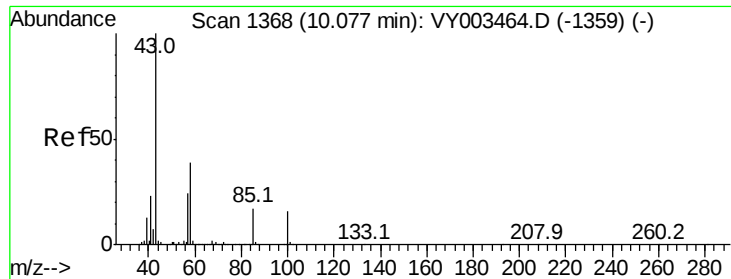
Tot Ion: 88 Resp: 14377  
 Ion Ratio Lower Upper  
 88 100  
 43 34.2 27.6 41.4  
 58 68.6 54.2 81.2



#50  
 Toluene-d8  
 Concen: 51.560 ug/l  
 RT: 10.18 min Scan# 1385  
 Delta R.T. -0.00 min  
 Lab File: VY003502.D  
 Acq: 03 Nov 2020 18:56

Tgt Ion: 98 Resp: 410265  
 Ion Ratio Lower Upper  
 98 100  
 100 63.6 50.9 76.3

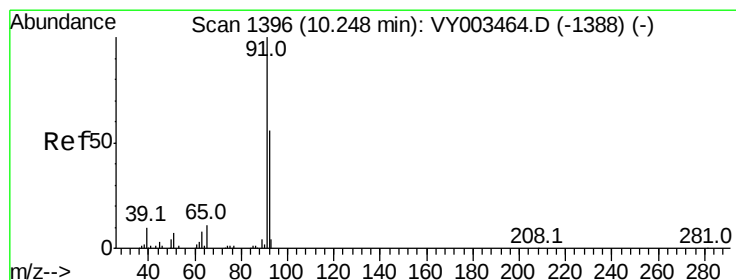
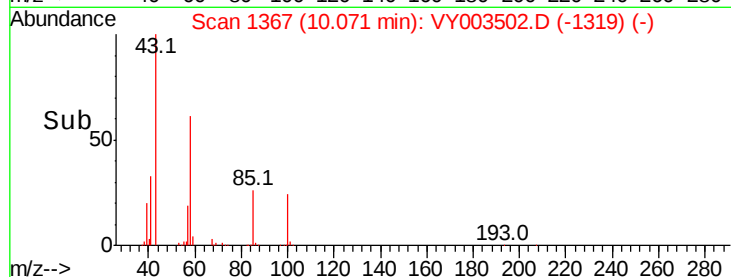
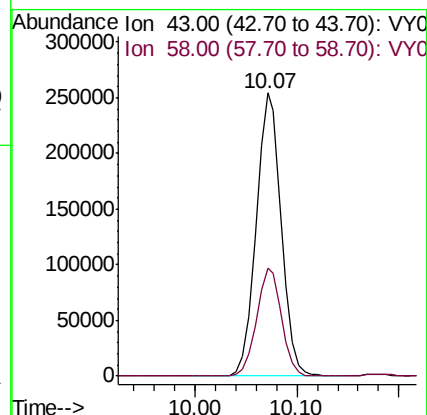
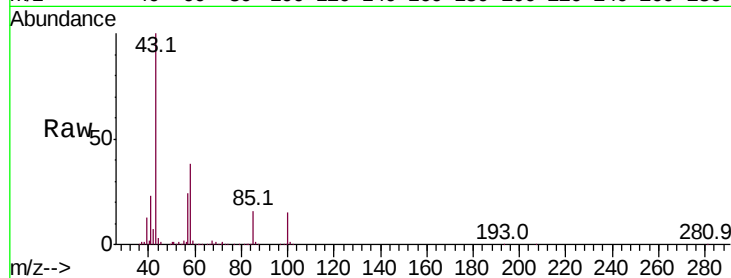




#51  
4-Methyl-2-Pentanone  
Concen: 246.759 ug/l  
RT: 10.07 min Scan# 1367  
Delta R.T. -0.01 min  
Lab File: VY003502.D  
Acq: 03 Nov 2020 18:56

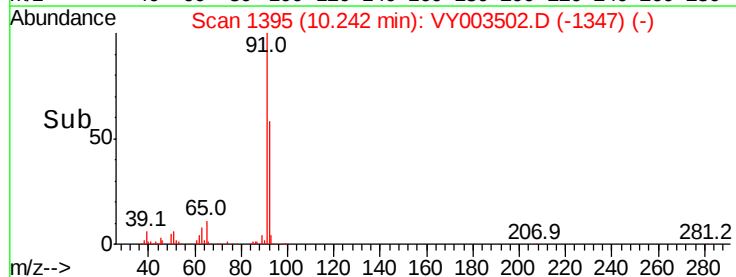
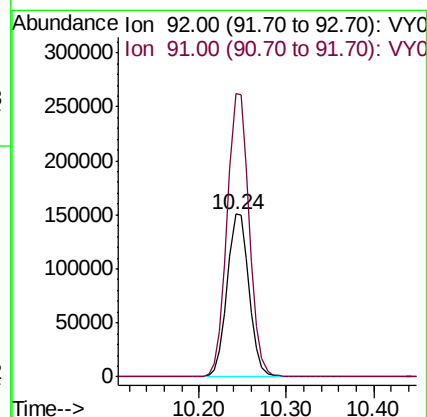
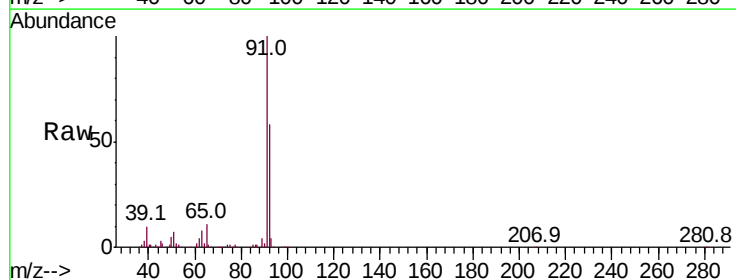
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

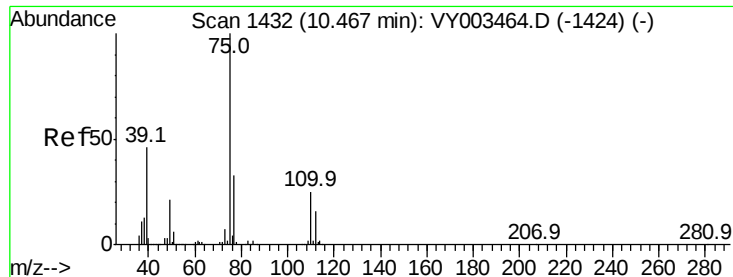
Tot Ion: 43 Resp: 434812  
Ion Ratio Lower Upper  
43 100  
58 37.9 31.0 46.4



#52  
Toluene  
Concen: 50.851 ug/l  
RT: 10.24 min Scan# 1395  
Delta R.T. -0.01 min  
Lab File: VY003502.D  
Acq: 03 Nov 2020 18:56

Tgt Ion: 92 Resp: 262307  
Ion Ratio Lower Upper  
92 100  
91 175.0 140.2 210.4





#53

t-1,3-Dichloropropene

Concen: 51.893 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Instrument :

MSVOA\_Y

ClientSampleId :

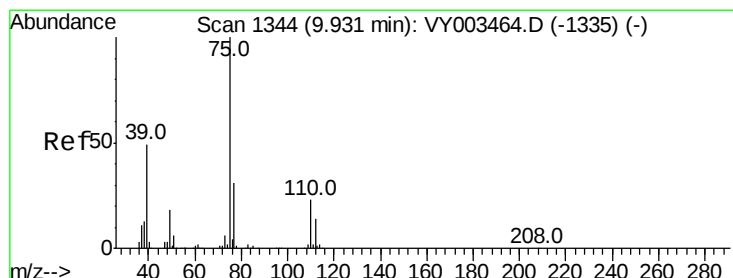
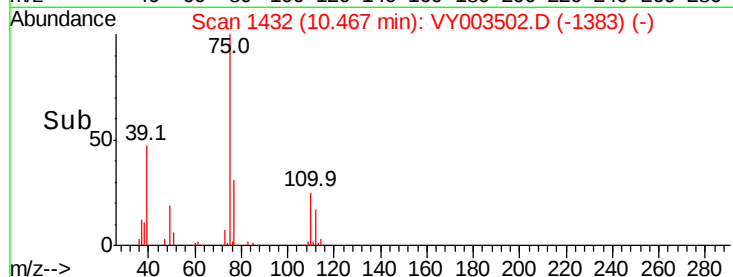
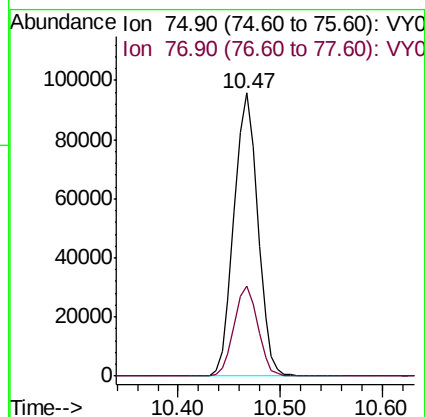
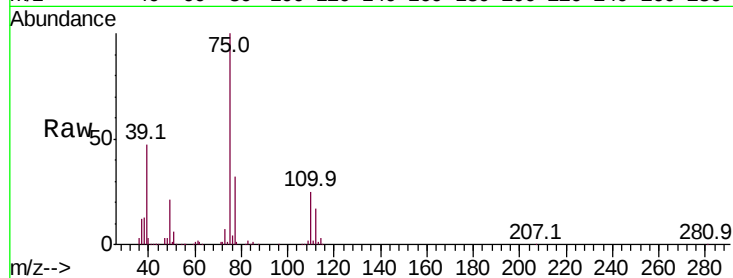
VSTDCCC050EC

Tot Ion: 75 Resp: 154879

Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 52.317 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

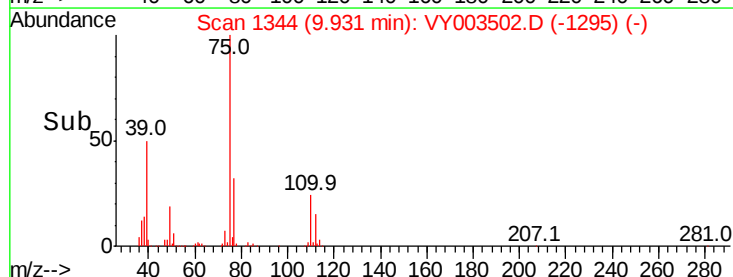
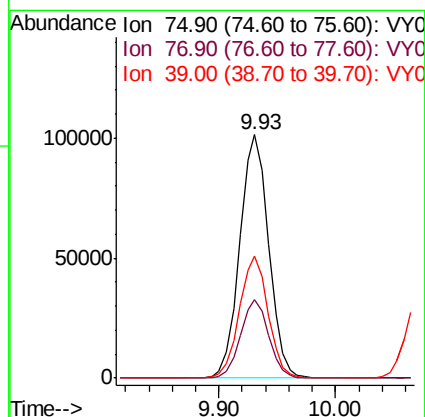
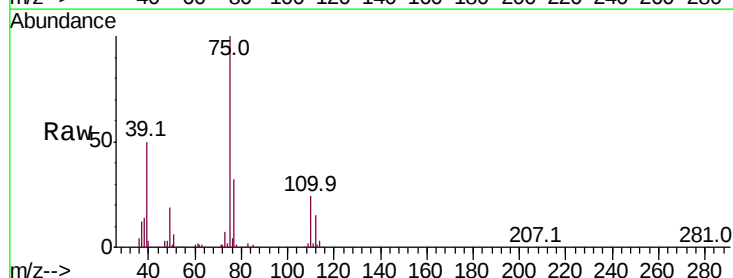
Tgt Ion: 75 Resp: 175708

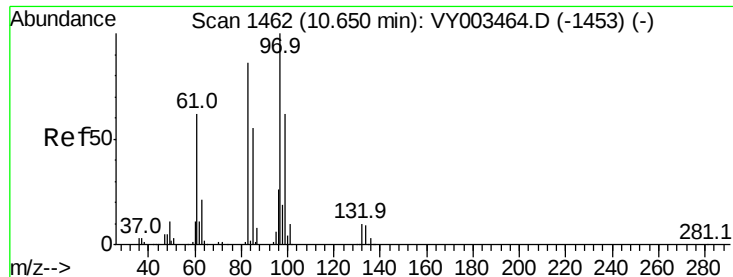
Ion Ratio Lower Upper

75 100

77 32.4 24.5 36.7

39 50.0 39.0 58.4

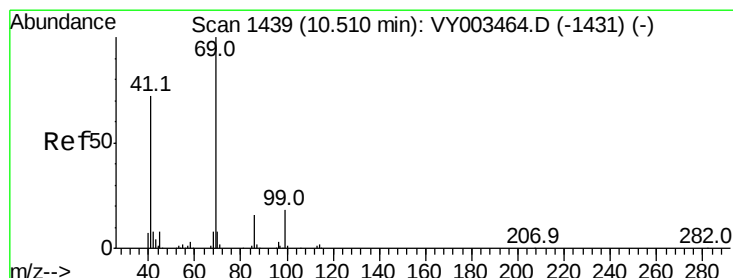
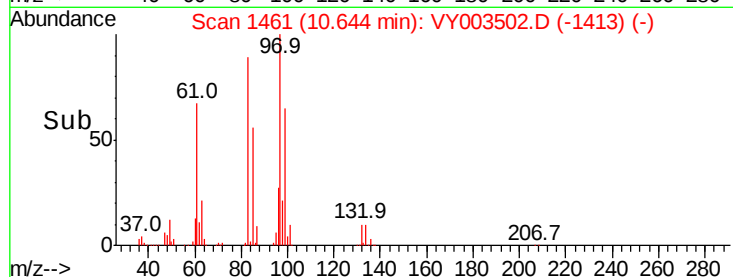
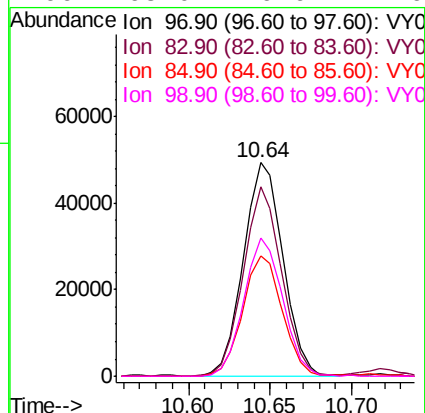
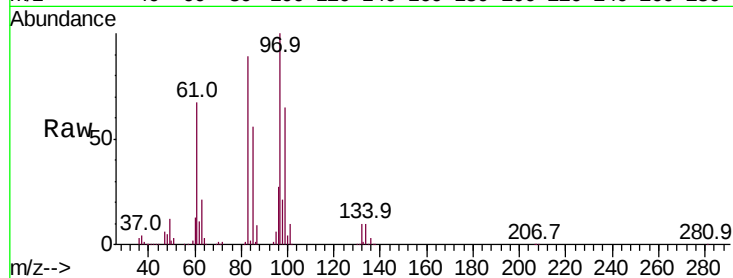




#55  
 1,1,2-Trichloroethane  
 Concen: 51.327 ug/l  
 RT: 10.64 min Scan# 1461  
 Delta R.T. -0.01 min  
 Lab File: VY003502.D  
 Acq: 03 Nov 2020 18:56

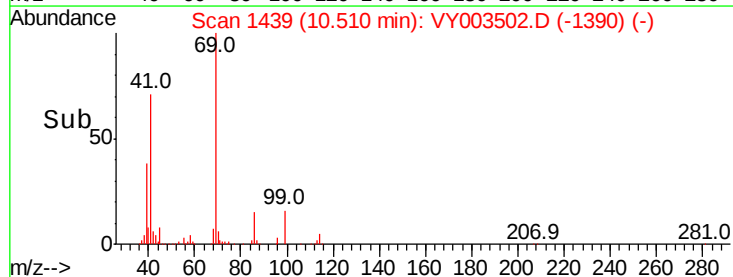
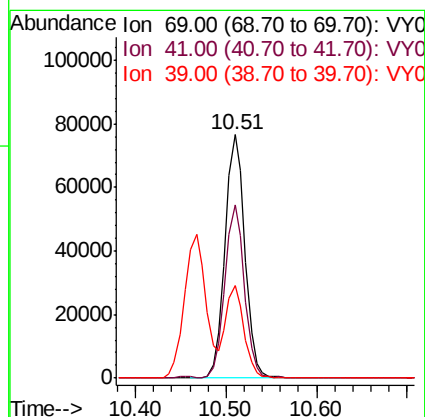
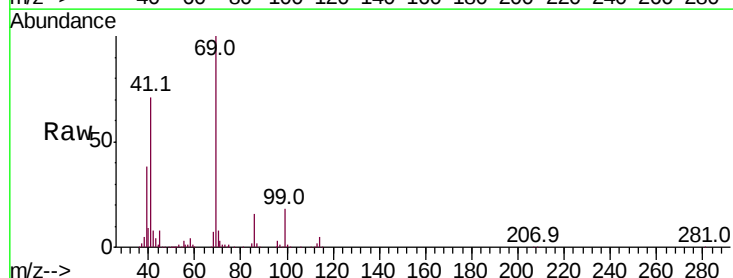
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

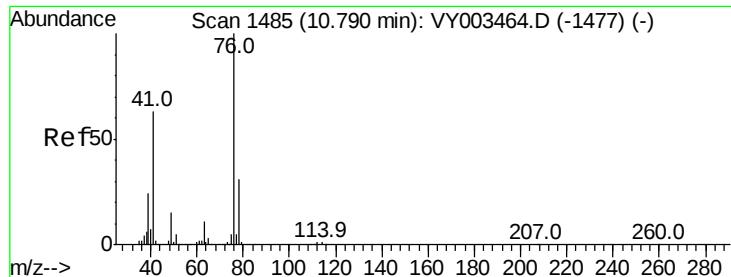
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 88.4  | 68.6  | 102.8 |
| 85      | 56.5  | 43.8  | 65.6  |
| 99      | 65.0  | 49.9  | 74.9  |



#56  
 Ethyl methacrylate  
 Concen: 53.740 ug/l  
 RT: 10.51 min Scan# 1439  
 Delta R.T. -0.00 min  
 Lab File: VY003502.D  
 Acq: 03 Nov 2020 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 69.4  | 55.4  | 83.2  |
| 39      | 35.1  | 28.7  | 43.1  |





#57

1,3-Dichloropropane

Concen: 52.335 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Instrument :

MSVOA\_Y

ClientSampleId :

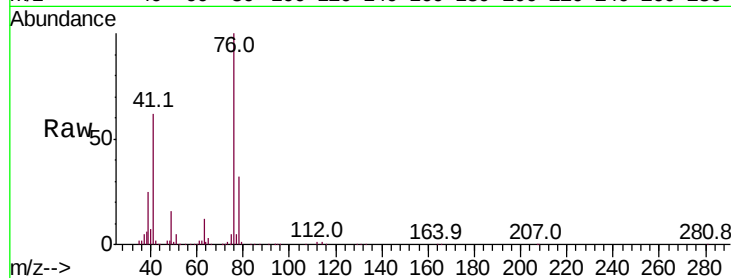
VSTDCCC050EC

Tot Ion: 76 Resp: 148021

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

10.79

80000

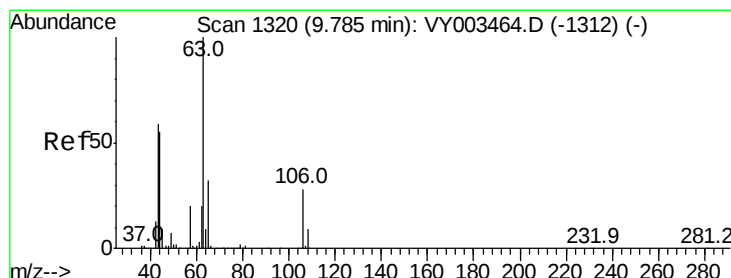
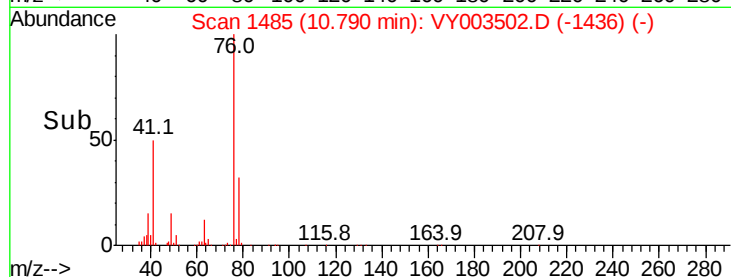
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 259.208 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY003502.D

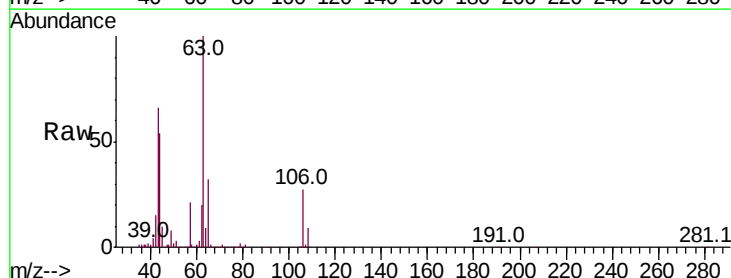
Acq: 03 Nov 2020 18:56

Tgt Ion: 63 Resp: 286287

Ion Ratio Lower Upper

63 100

106 27.6 22.3 33.5



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

200000

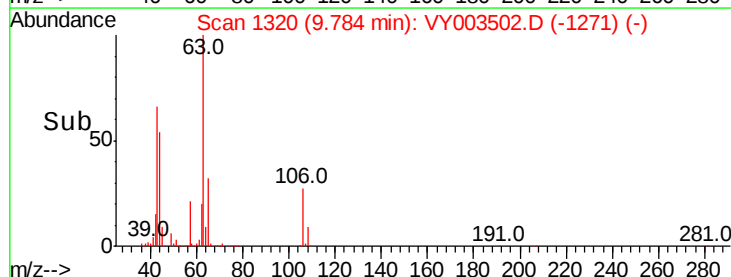
150000

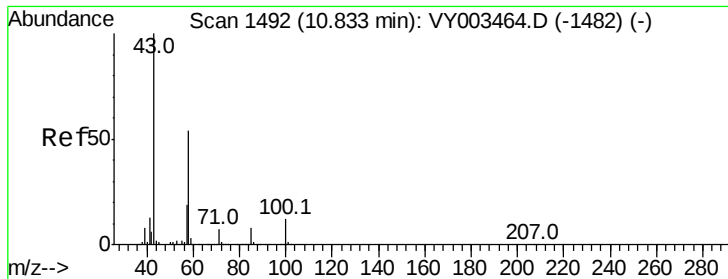
100000

50000

0

Time-->





#59

2-Hexanone

Concen: 237.565 ug/l

RT: 10.83 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Instrument :

MSVOA\_Y

ClientSampleId :

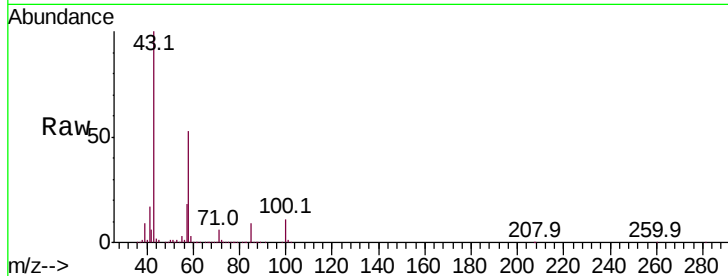
VSTDCCC050EC

Tot Ion: 43 Resp: 309943

Ion Ratio Lower Upper

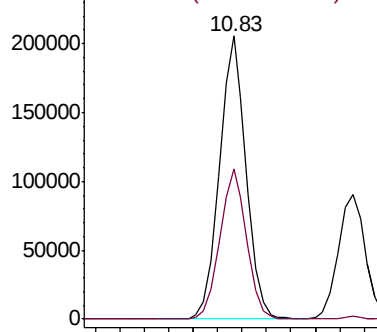
43 100

58 53.2 26.8 80.3

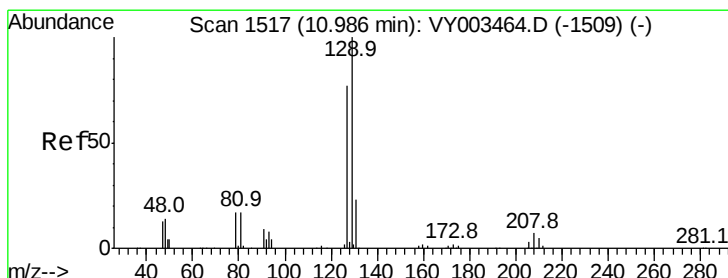
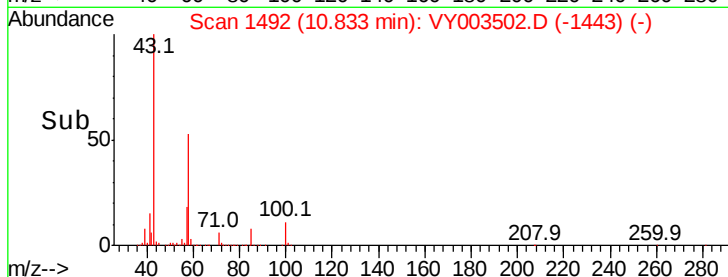


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->



#60

Dibromochloromethane

Concen: 53.579 ug/l

RT: 10.99 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VY003502.D

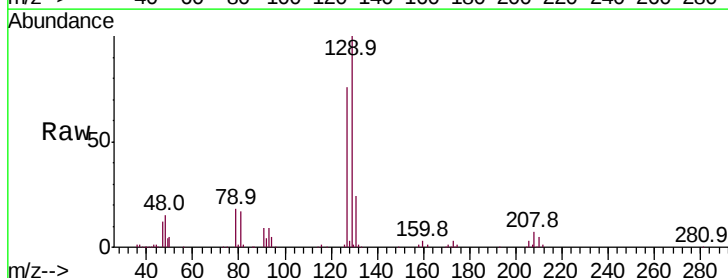
Acq: 03 Nov 2020 18:56

Tgt Ion:129 Resp: 107113

Ion Ratio Lower Upper

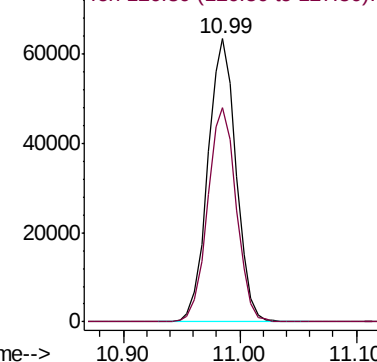
129 100

127 76.7 38.8 116.3

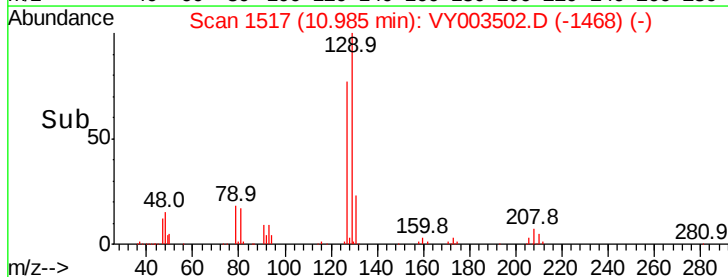


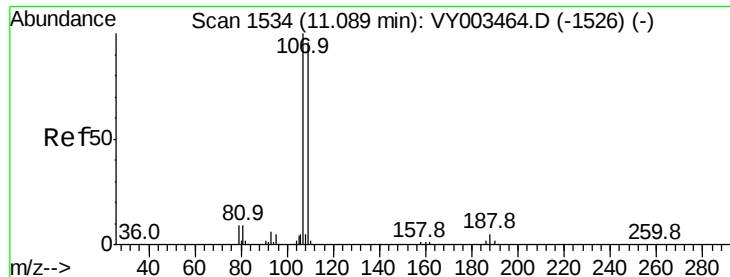
Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->

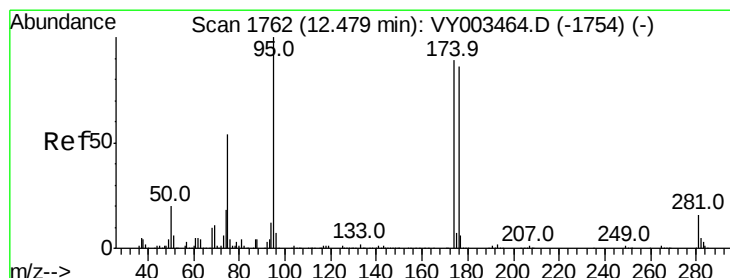
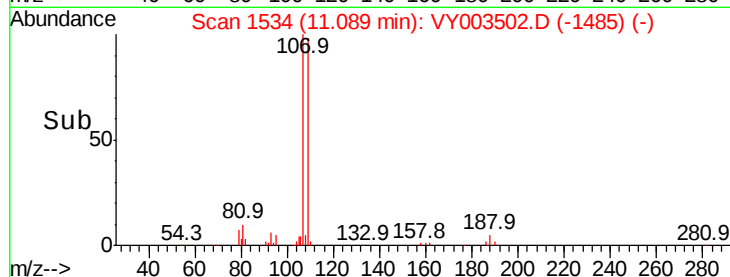
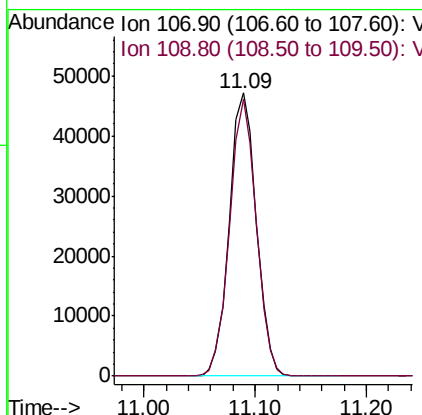
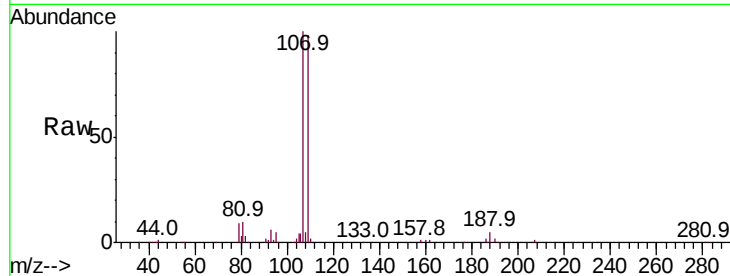




#61  
 1,2-Dibromoethane  
 Concen: 50.683 ug/l  
 RT: 11.09 min Scan# 1534  
 Delta R.T. -0.00 min  
 Lab File: VY003502.D  
 Acq: 03 Nov 2020 18:56

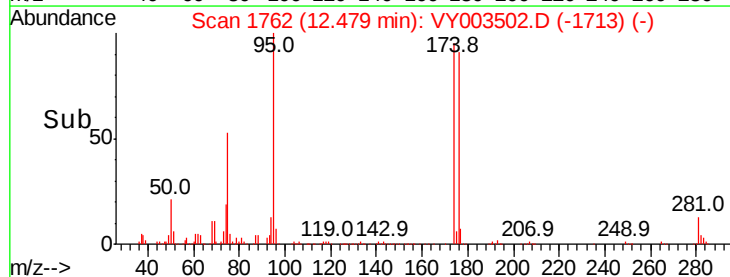
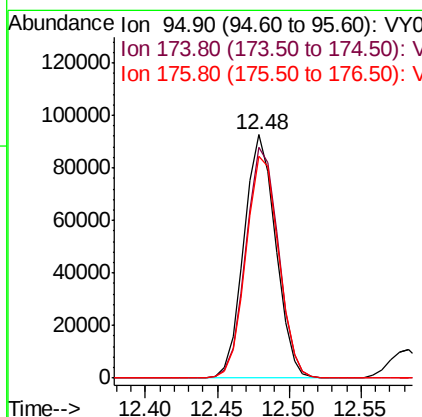
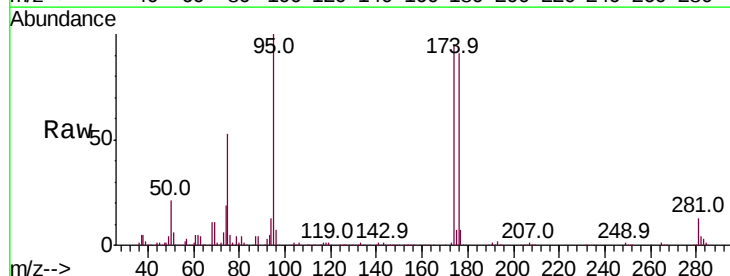
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

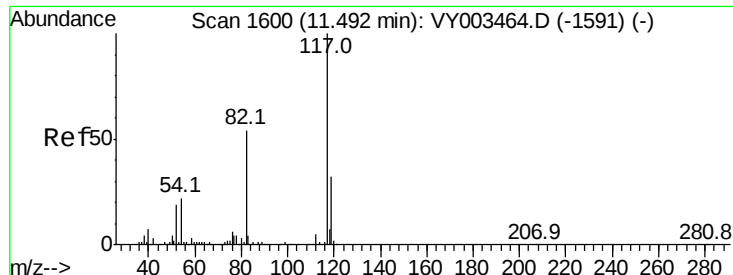
Tot Ion:107 Resp: 79589  
 Ion Ratio Lower Upper  
 107 100  
 109 96.4 76.5 114.7



#62  
 4-Bromofluorobenzene  
 Concen: 53.558 ug/l  
 RT: 12.48 min Scan# 1762  
 Delta R.T. -0.00 min  
 Lab File: VY003502.D  
 Acq: 03 Nov 2020 18:56

Tgt Ion: 95 Resp: 141202  
 Ion Ratio Lower Upper  
 95 100  
 174 96.9 0.0 193.0  
 176 93.8 0.0 187.4

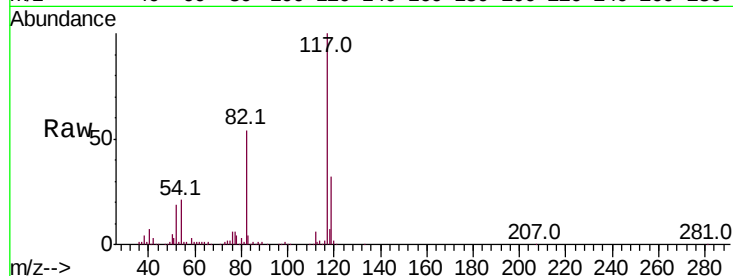




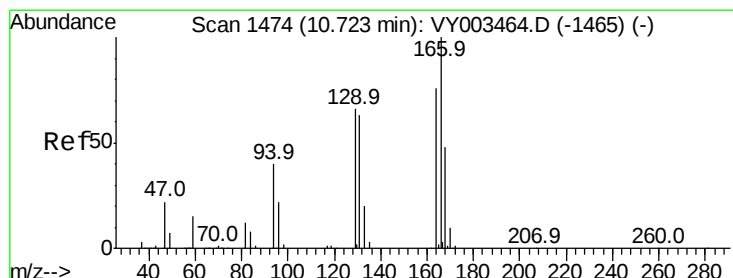
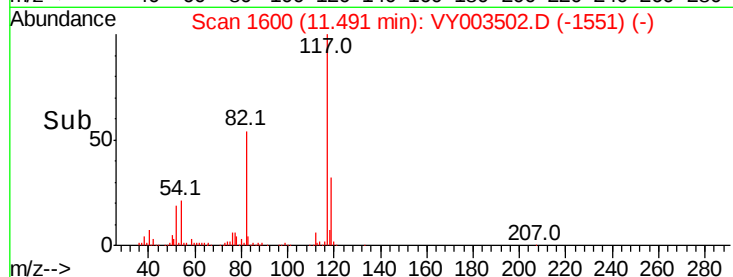
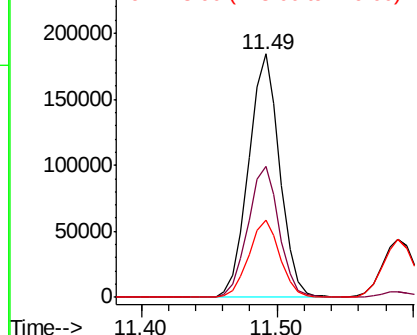
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VY003502.D  
Acq: 03 Nov 2020 18:56

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:117 Resp: 295136  
Ion Ratio Lower Upper  
117 100  
82 53.8 43.4 65.2  
119 32.0 25.8 38.6

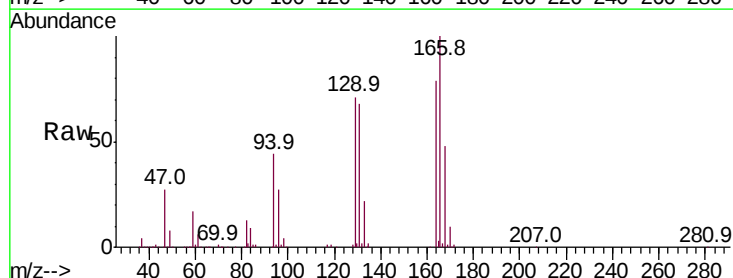


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VY0  
Ion 118.90 (118.60 to 119.60): V

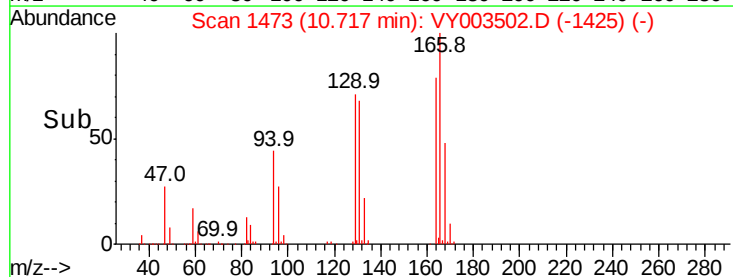
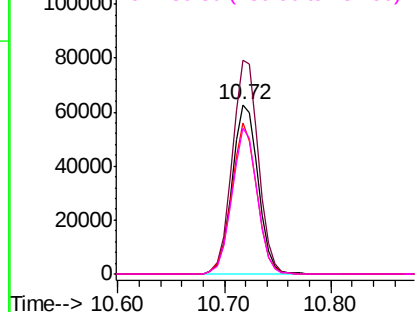


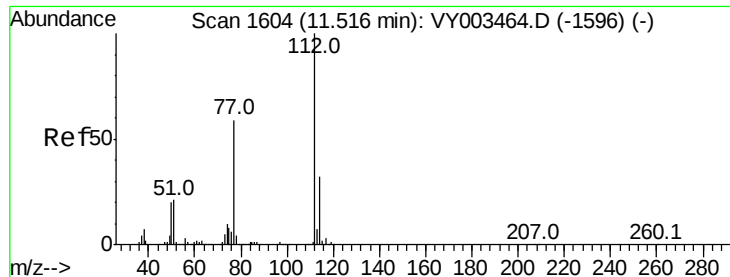
#64  
Tetrachloroethene  
Concen: 48.761 ug/l  
RT: 10.72 min Scan# 1473  
Delta R.T. -0.01 min  
Lab File: VY003502.D  
Acq: 03 Nov 2020 18:56

Tgt Ion:164 Resp: 107474  
Ion Ratio Lower Upper  
164 100  
166 126.0 104.9 157.3  
129 89.2 68.9 103.3  
131 86.2 66.2 99.2



Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 49.533 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Instrument :

MSVOA\_Y

ClientSampleId :

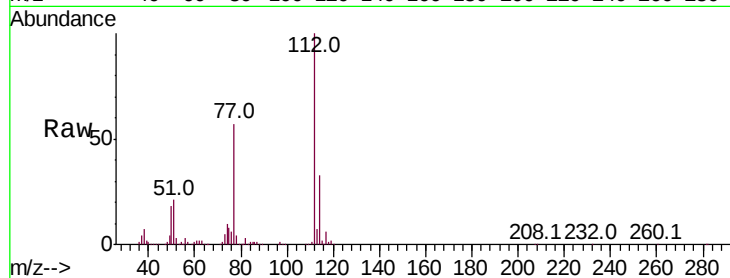
VSTDCCC050EC

Tot Ion:112 Resp: 284011

Ion Ratio Lower Upper

112 100

114 32.8 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.52

200000

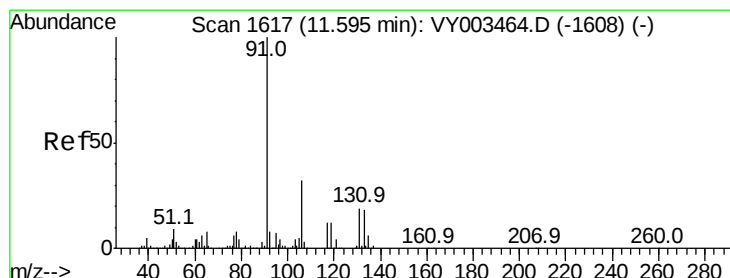
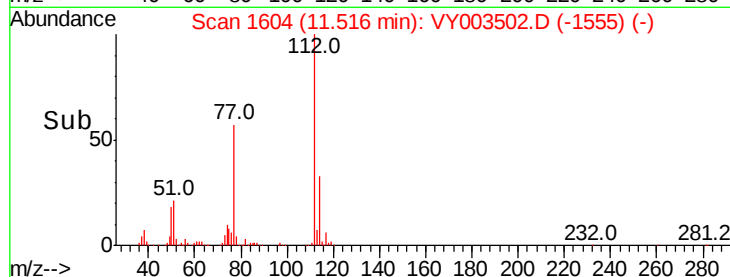
150000

100000

50000

0

Time--> 11.40 11.50 11.60



#66

1,1,1,2-Tetrachloroethane

Concen: 51.559 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

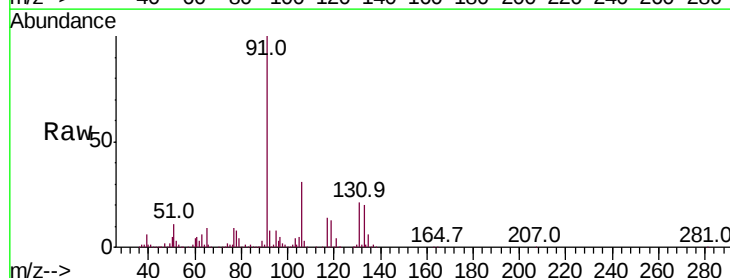
Tgt Ion:131 Resp: 111490

Ion Ratio Lower Upper

131 100

133 94.6 47.4 142.2

119 62.8 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.59

80000

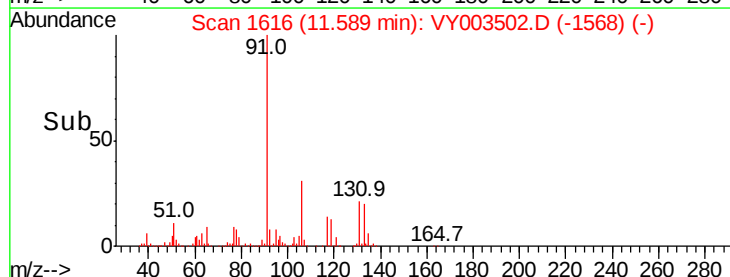
60000

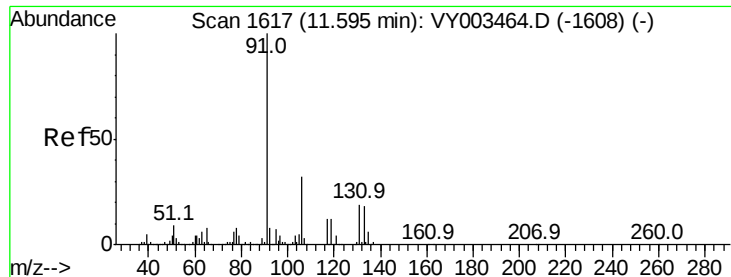
40000

20000

0

Time--> 11.50 11.60

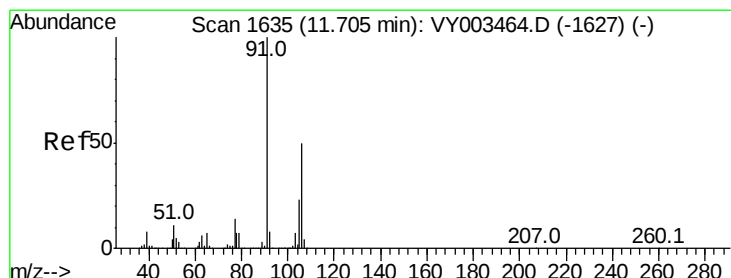
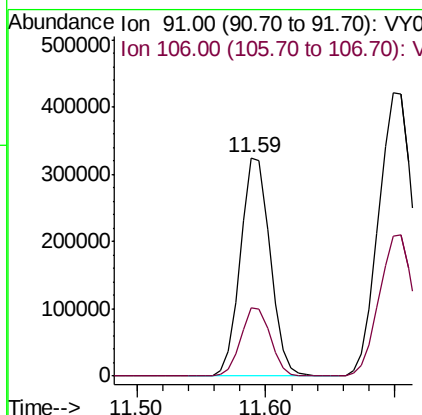
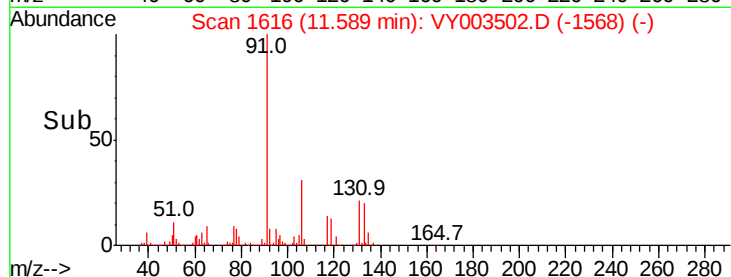
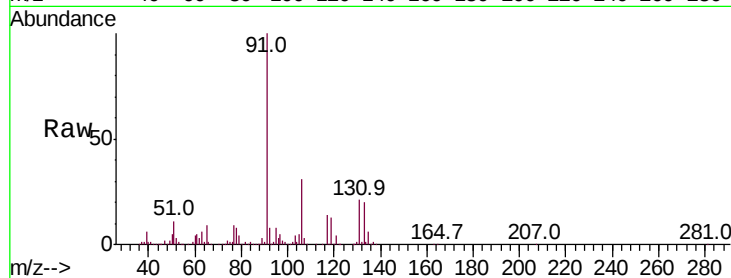




#67  
Ethyl Benzene  
Concen: 49.924 ug/l  
RT: 11.59 min Scan# 1616  
Delta R.T. -0.01 min  
Lab File: VY003502.D  
Acq: 03 Nov 2020 18:56

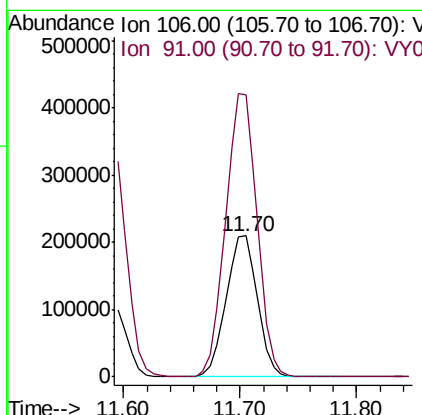
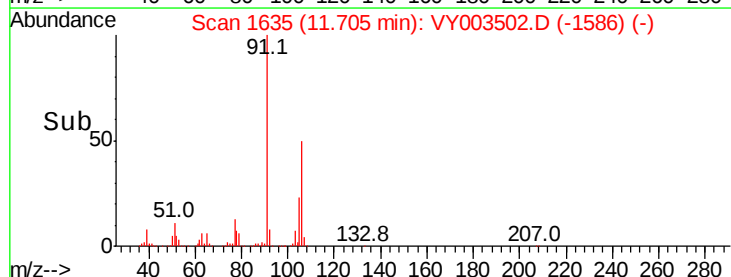
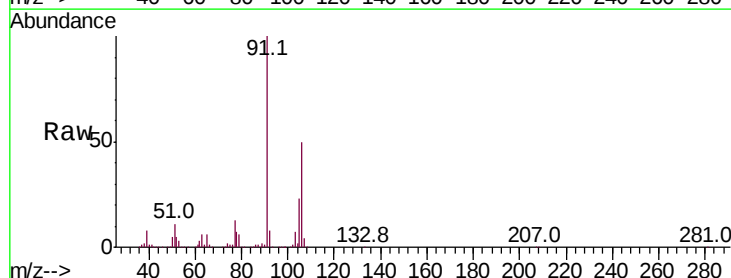
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

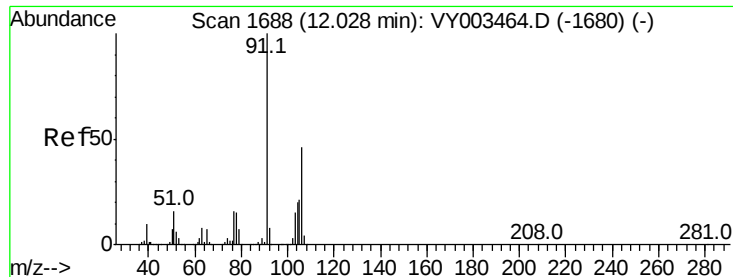
Tot Ion: 91 Resp: 519053  
Ion Ratio Lower Upper  
91 100  
106 31.1 25.4 38.0



#68  
m/p-Xylenes  
Concen: 99.498 ug/l  
RT: 11.70 min Scan# 1635  
Delta R.T. -0.00 min  
Lab File: VY003502.D  
Acq: 03 Nov 2020 18:56

Tgt Ion: 106 Resp: 392018  
Ion Ratio Lower Upper  
106 100  
91 201.8 161.0 241.6

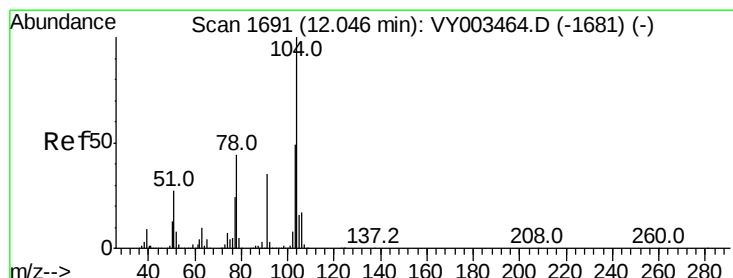
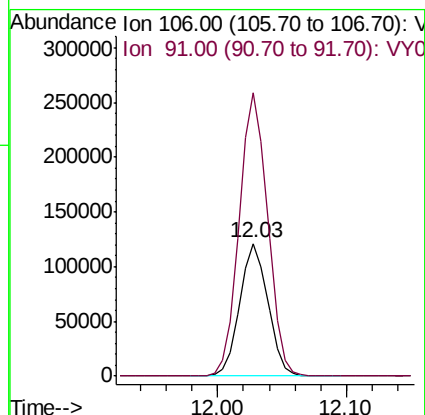
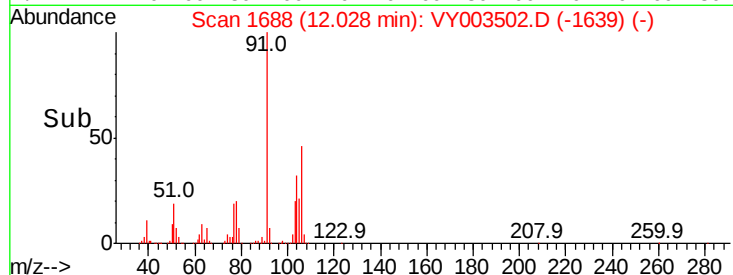
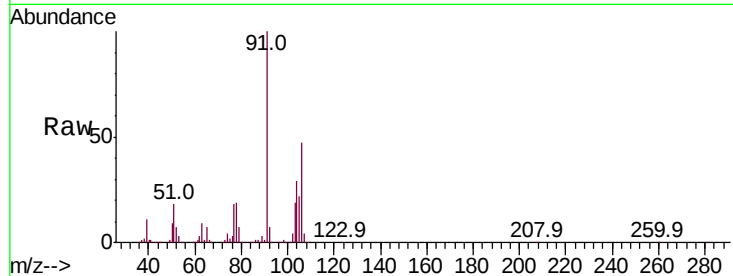




#69  
o-Xylene  
Concen: 50.838 ug/l  
RT: 12.03 min Scan# 1688  
Delta R.T. -0.00 min  
Lab File: VY003502.D  
Acq: 03 Nov 2020 18:56

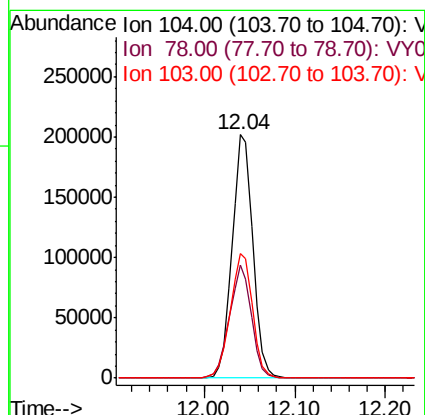
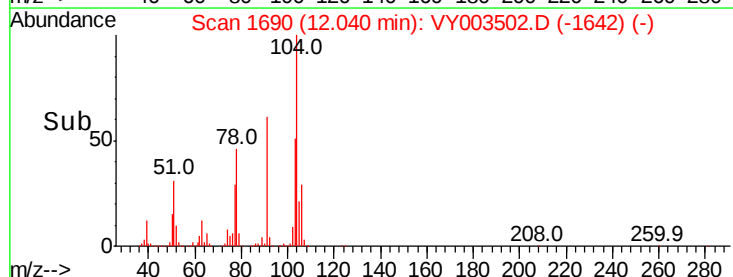
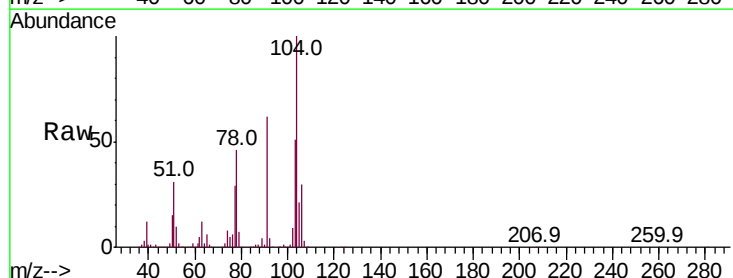
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

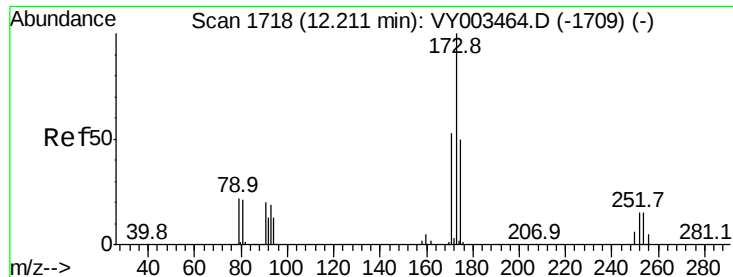
Tot Ion:106 Resp: 184252  
Ion Ratio Lower Upper  
106 100  
91 214.7 105.5 316.5



#70  
Styrene  
Concen: 51.782 ug/l  
RT: 12.04 min Scan# 1690  
Delta R.T. -0.01 min  
Lab File: VY003502.D  
Acq: 03 Nov 2020 18:56

Tgt Ion:104 Resp: 318653  
Ion Ratio Lower Upper  
104 100  
78 49.0 39.5 59.3  
103 55.2 44.2 66.2

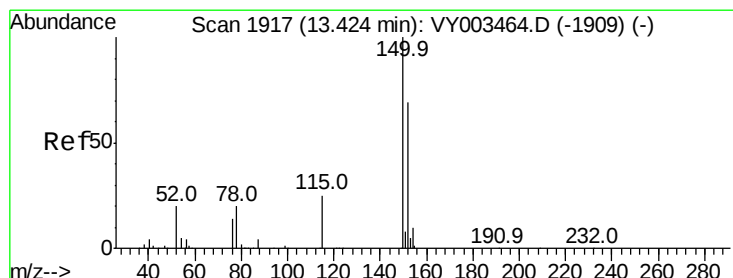
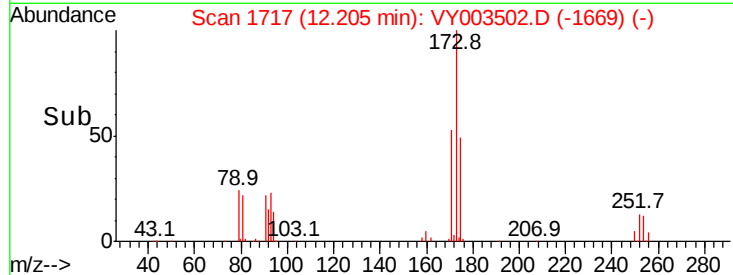
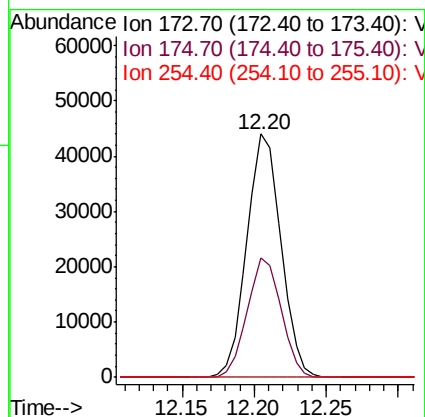
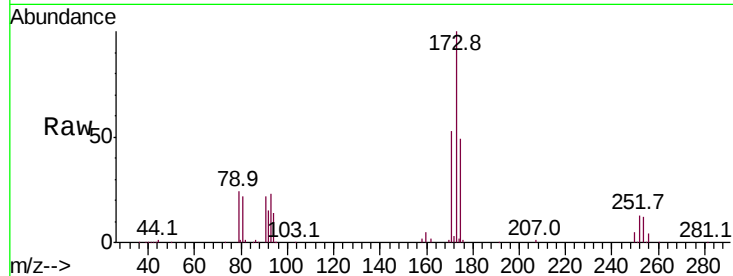




#71  
Bromoform  
Concen: 50.126 ug/l  
RT: 12.20 min Scan# 1717  
Delta R.T. -0.01 min  
Lab File: VY003502.D  
Acq: 03 Nov 2020 18:56

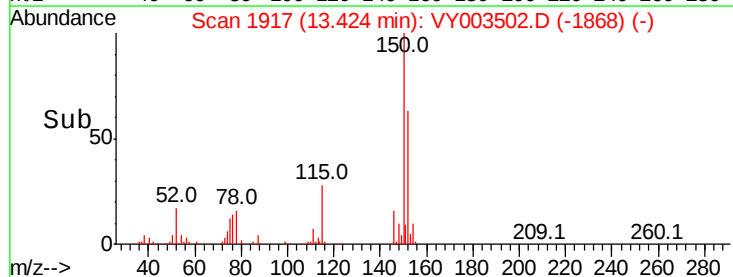
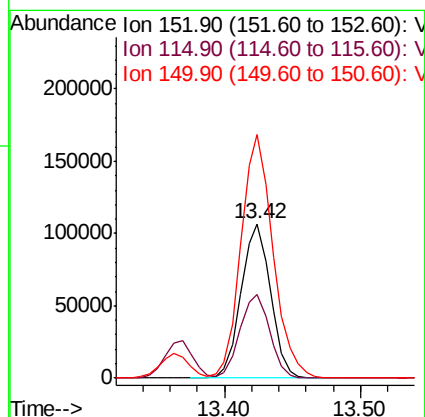
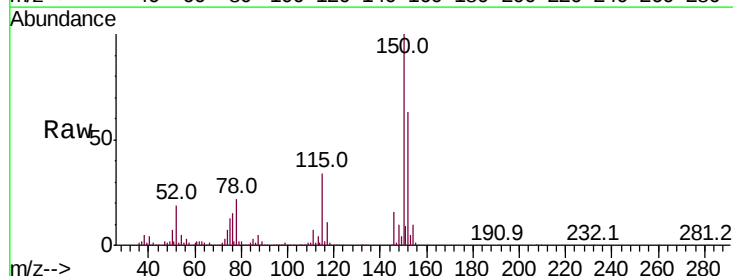
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

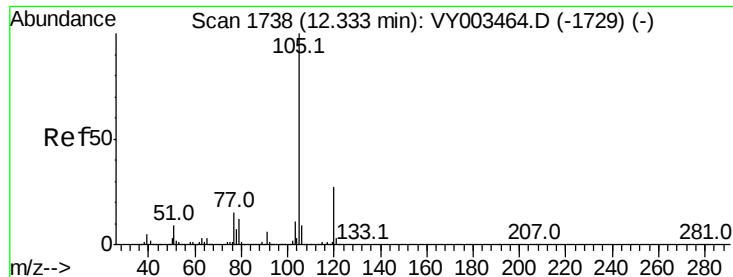
Tot Ion:173 Resp: 72247  
Ion Ratio Lower Upper  
173 100  
175 48.9 24.7 74.1  
254 0.1 0.2 0.2#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.00 min  
Lab File: VY003502.D  
Acq: 03 Nov 2020 18:56

Tgt Ion:152 Resp: 161381  
Ion Ratio Lower Upper  
152 100  
115 54.4 27.5 82.4  
150 171.4 0.0 345.8





#73

Isopropylbenzene

Concen: 47.934 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.01 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Instrument :

MSVOA\_Y

ClientSampleId :

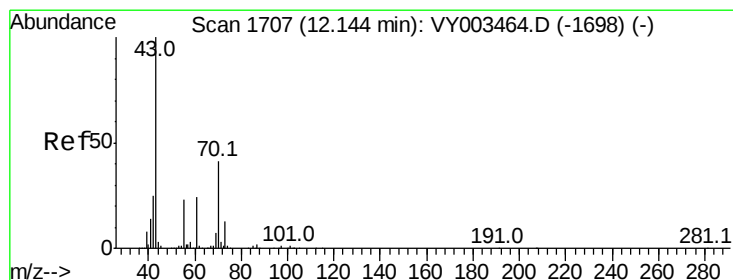
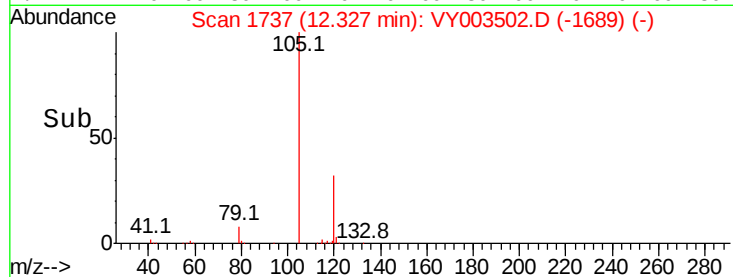
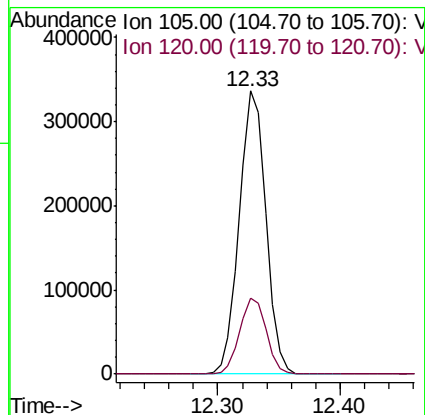
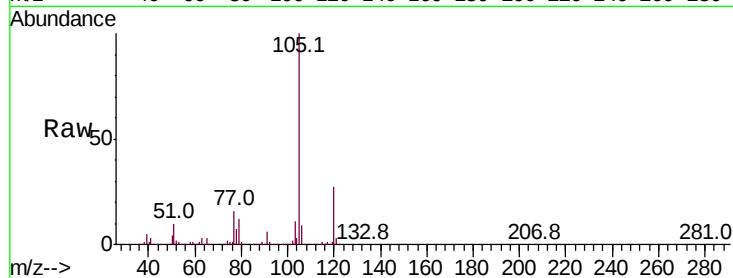
VSTDCCC050EC

Tot Ion:105 Resp: 505314

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.5



#74

N-ethyl acetate

Concen: 49.299 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Tgt Ion: 43 Resp: 147213

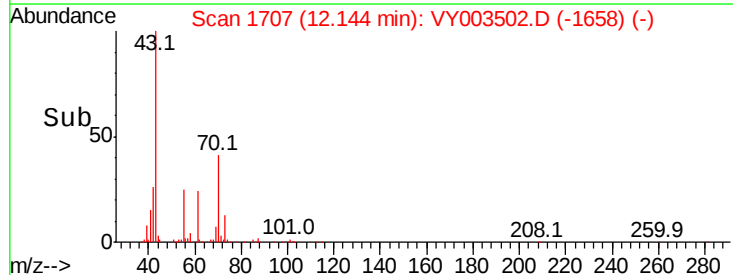
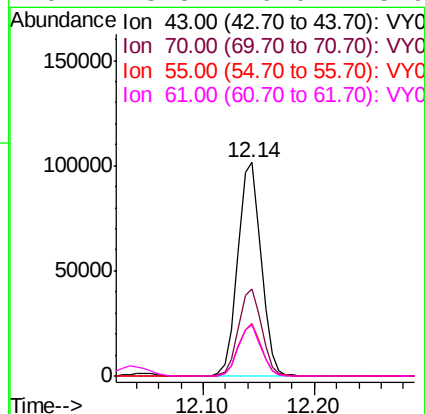
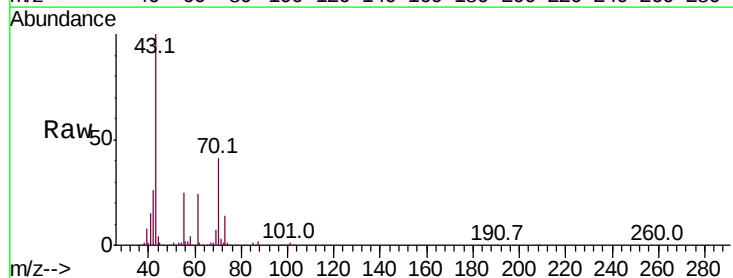
Ion Ratio Lower Upper

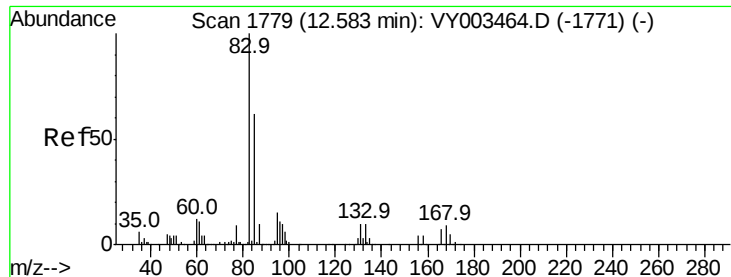
43 100

70 40.5 33.1 49.7

55 24.1 19.2 28.8

61 23.3 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.673 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

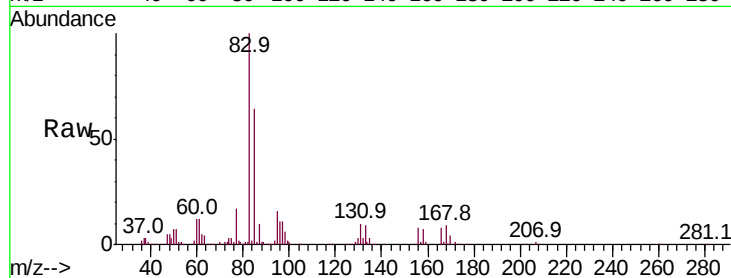
Tot Ion: 83 Resp: 105096

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

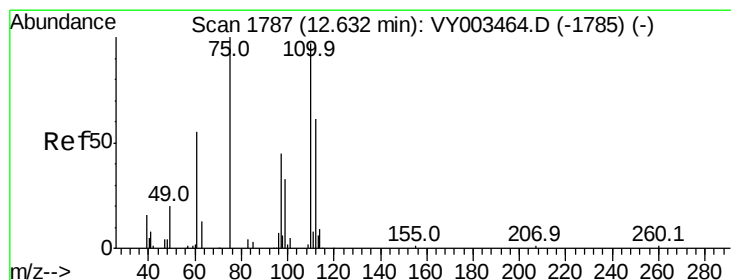
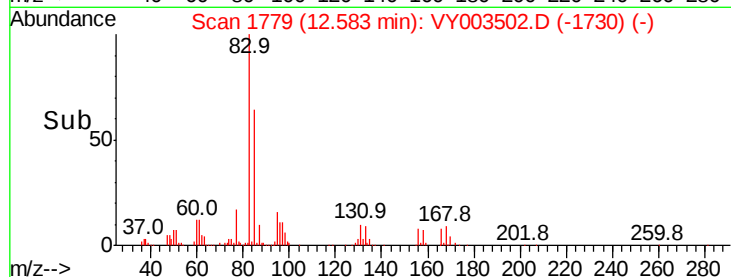
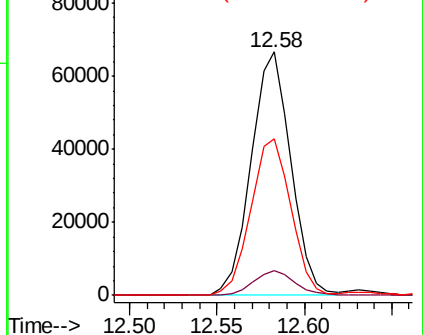
85 65.1 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 81.510 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY003502.D

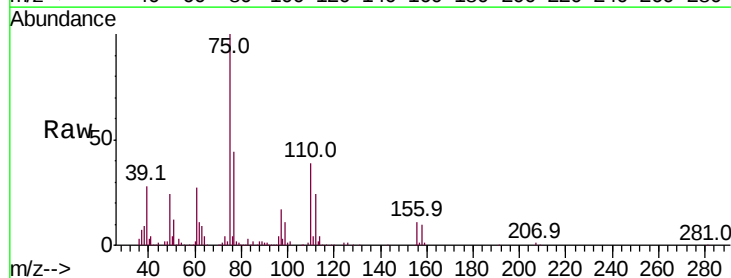
Acq: 03 Nov 2020 18:56

Tgt Ion: 75 Resp: 139180

Ion Ratio Lower Upper

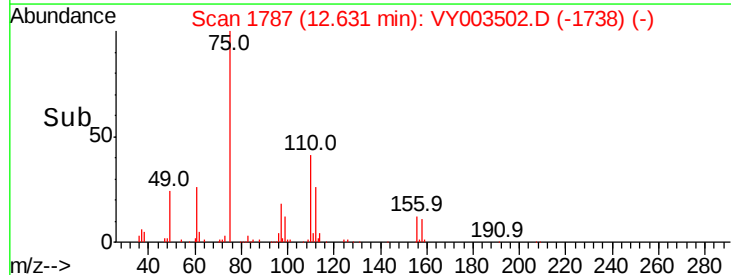
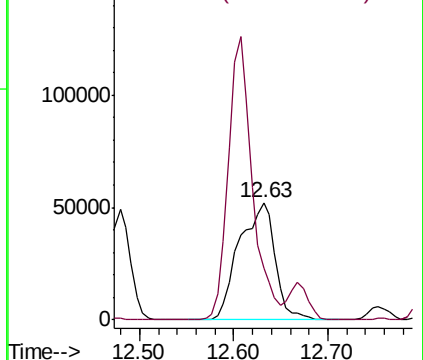
75 100

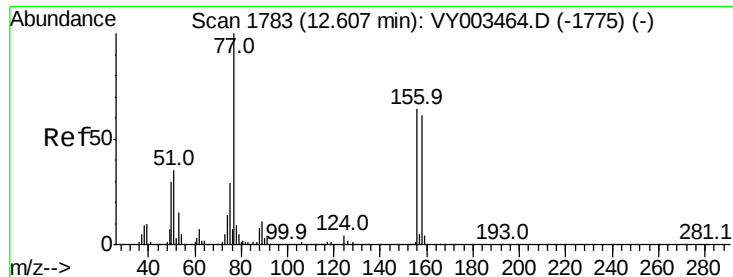
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 48.788 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

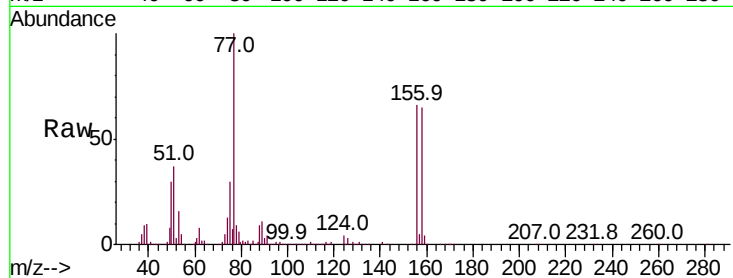
Tot Ion:156 Resp: 130676

Ion Ratio Lower Upper

156 100

77 172.1 87.0 260.9

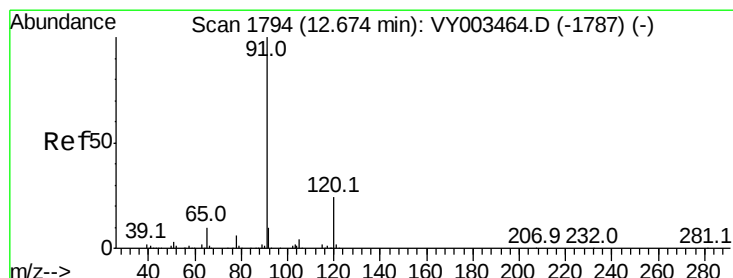
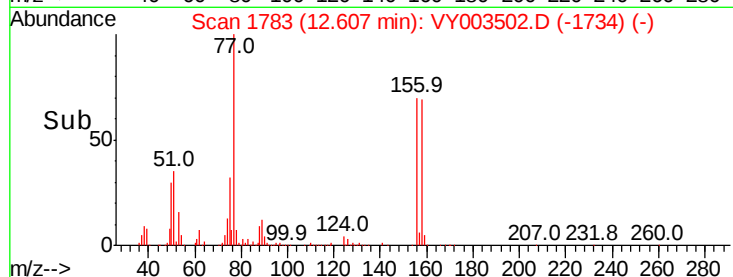
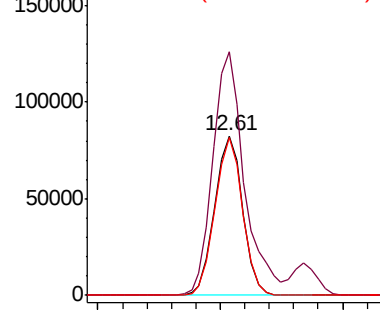
158 97.5 48.7 146.1



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: 48.173 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VY003502.D

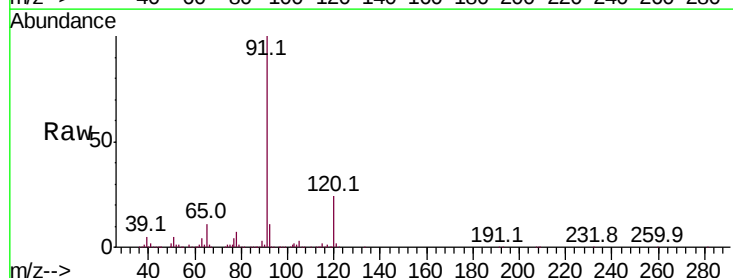
Acq: 03 Nov 2020 18:56

Tgt Ion: 91 Resp: 598171

Ion Ratio Lower Upper

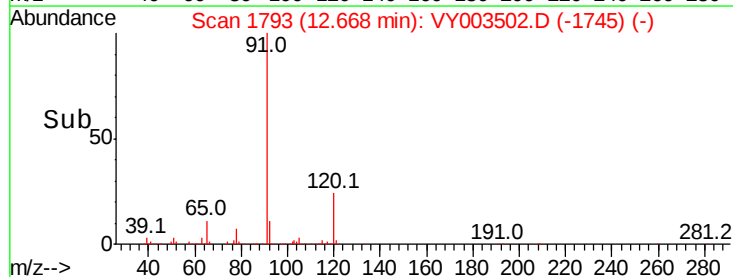
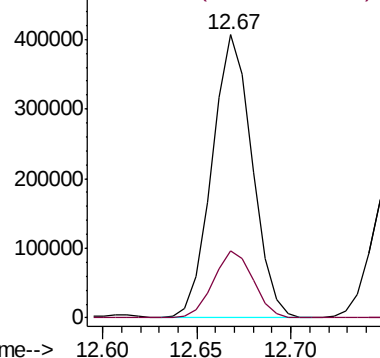
91 100

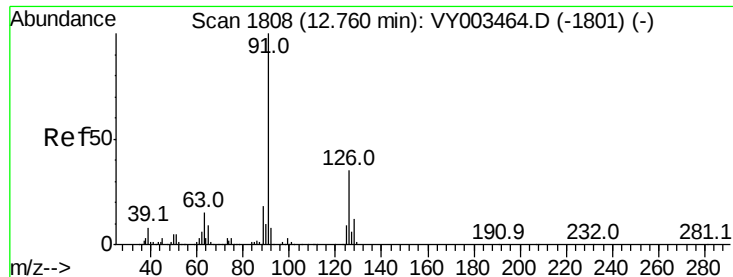
120 23.6 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

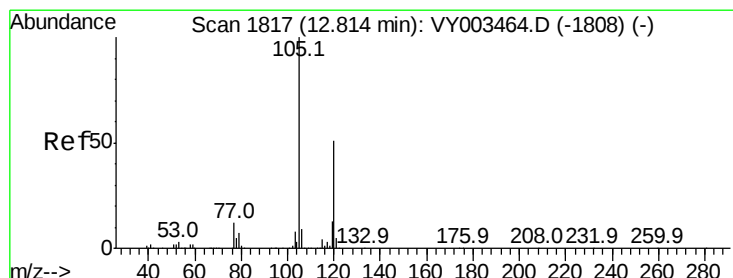
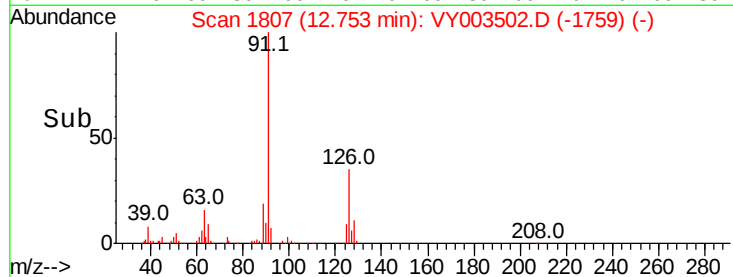
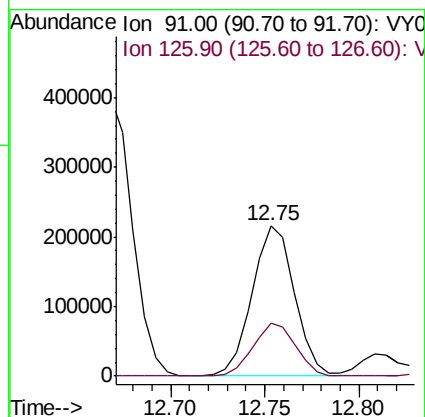
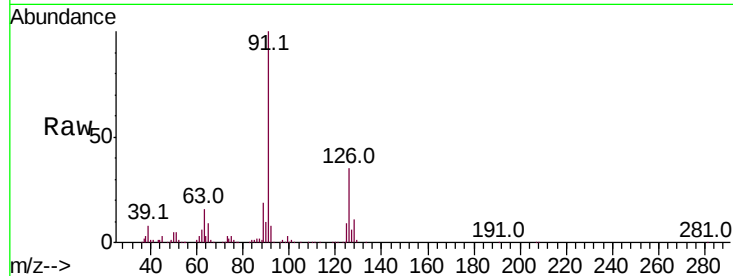




#79  
 2-Chlorotoluene  
 Concen: 48.731 ug/l  
 RT: 12.75 min Scan# 1807  
 Delta R.T. -0.01 min  
 Lab File: VY003502.D  
 Acq: 03 Nov 2020 18:56

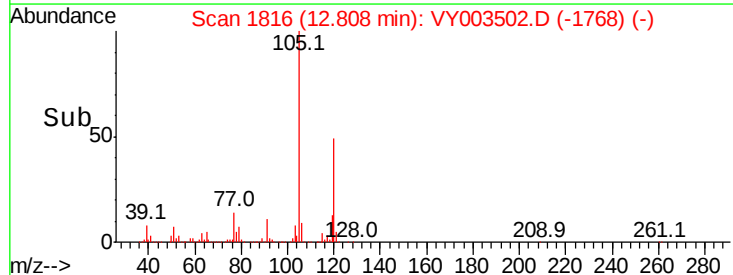
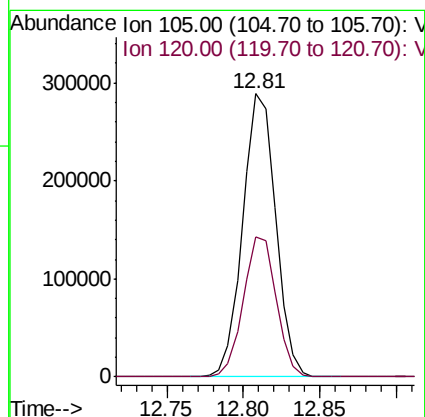
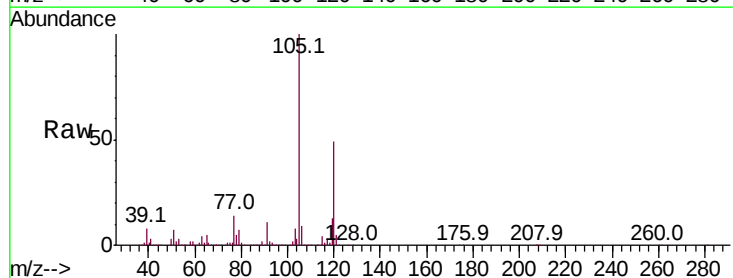
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

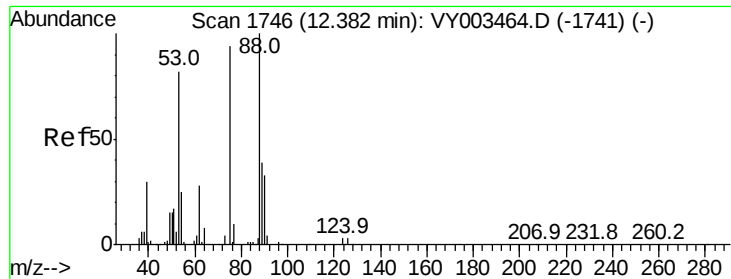
Tot Ion: 91 Resp: 338071  
 Ion Ratio Lower Upper  
 91 100  
 126 35.3 17.8 53.3



#80  
 1,3,5-Trimethylbenzene  
 Concen: 49.615 ug/l  
 RT: 12.81 min Scan# 1816  
 Delta R.T. -0.01 min  
 Lab File: VY003502.D  
 Acq: 03 Nov 2020 18:56

Tgt Ion: 105 Resp: 433356  
 Ion Ratio Lower Upper  
 105 100  
 120 49.4 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 44.951 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.01 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

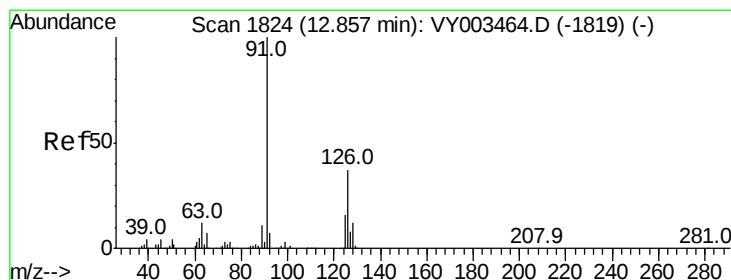
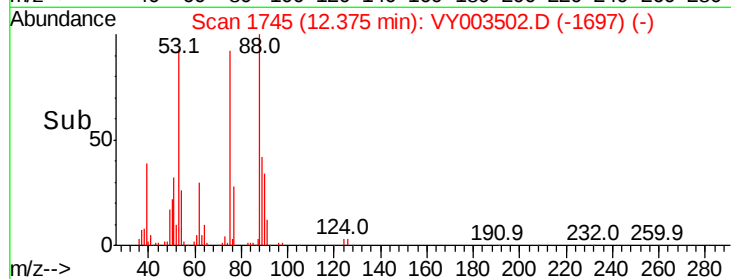
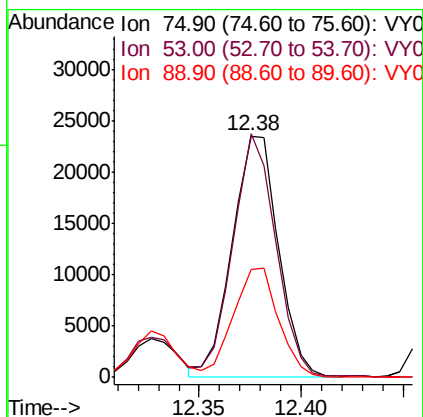
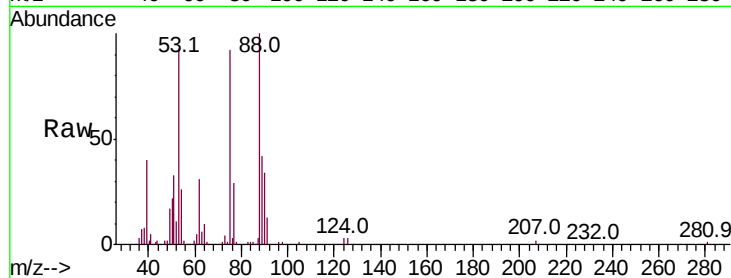
Tot Ion: 75 Resp: 36775

Ion Ratio Lower Upper

75 100

53 93.7 74.7 112.1

89 44.7 35.8 53.8



#82

4-Chlorotoluene

Concen: 48.158 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.01 min

Lab File: VY003502.D

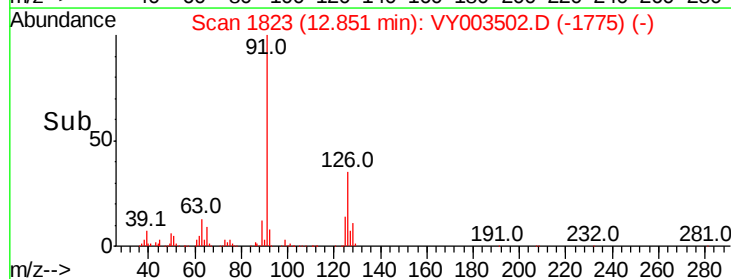
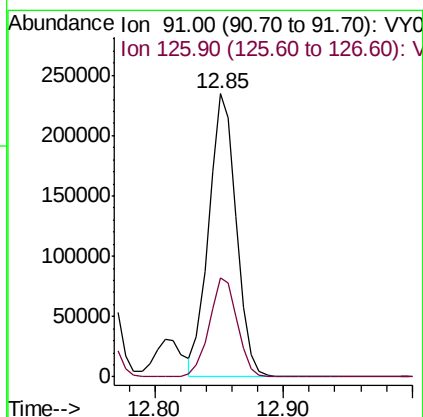
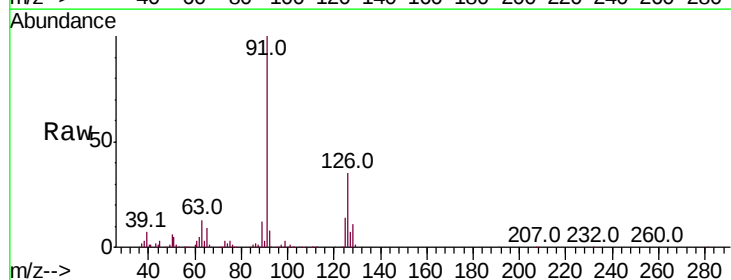
Acq: 03 Nov 2020 18:56

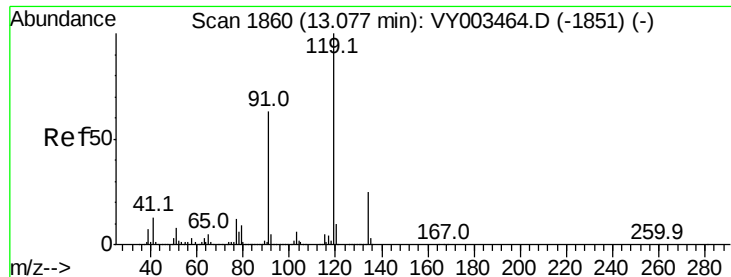
Tgt Ion: 91 Resp: 349135

Ion Ratio Lower Upper

91 100

126 35.7 17.6 52.8





#83

tert-Butylbenzene

Concen: 47.976 ug/l

RT: 13.07 min Scan# 1859

Delta R.T. -0.01 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

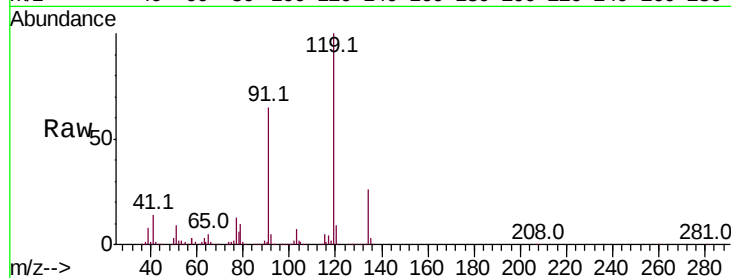
Tot Ion:119 Resp: 371649

Ion Ratio Lower Upper

119 100

91 64.2 31.1 93.2

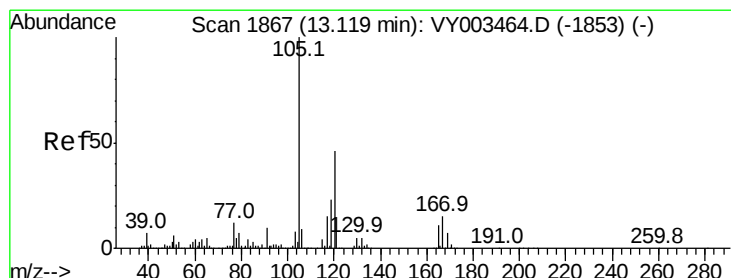
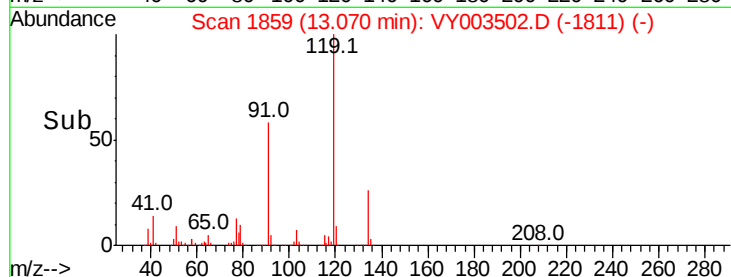
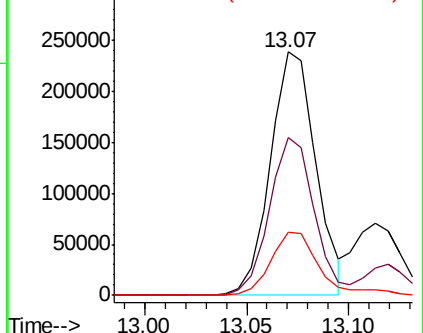
134 27.8 13.4 40.1



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: 49.707 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY003502.D

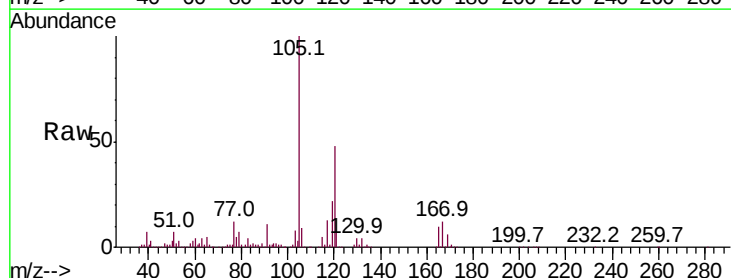
Acq: 03 Nov 2020 18:56

Tgt Ion:105 Resp: 433923

Ion Ratio Lower Upper

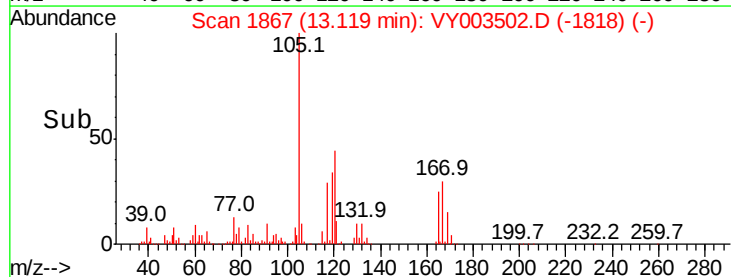
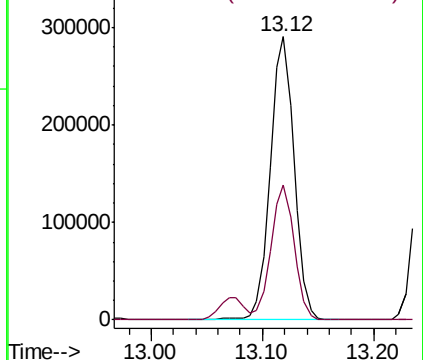
105 100

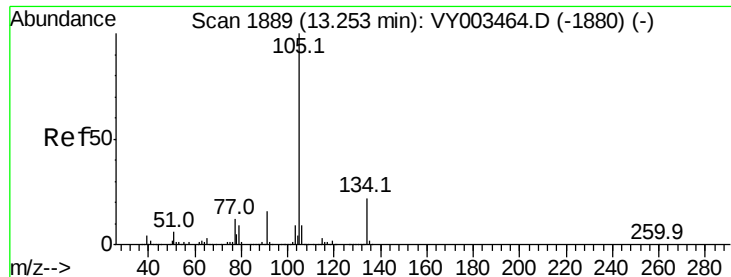
120 46.5 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.406 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Instrument :

MSVOA\_Y

ClientSampleId :

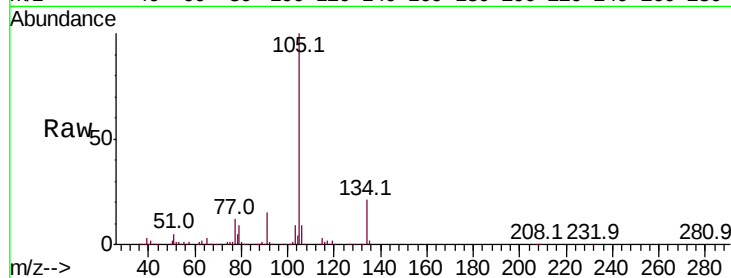
VSTDCCC050EC

Tot Ion:105 Resp: 518228

Ion Ratio Lower Upper

105 100

134 21.2 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

400000

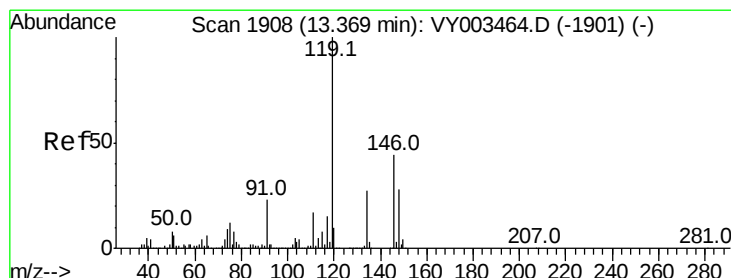
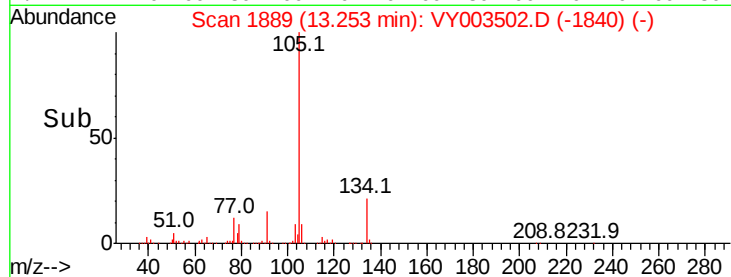
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.578 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

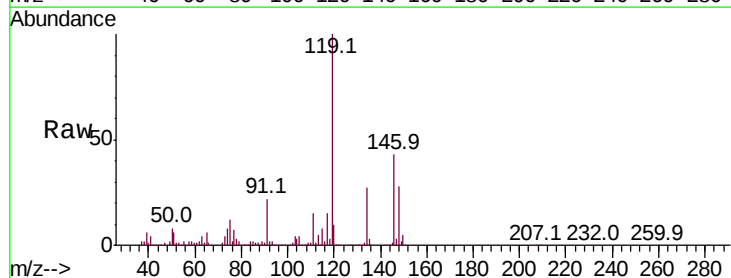
Tgt Ion:119 Resp: 482276

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

91 23.3 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

13.37

400000

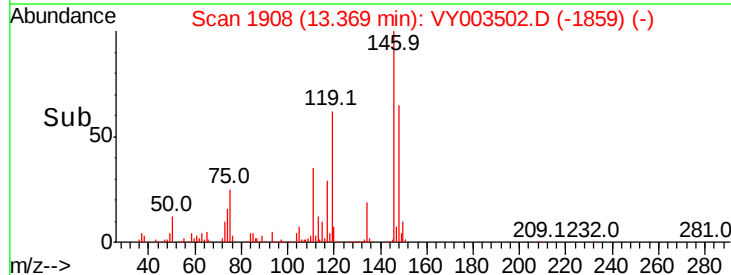
300000

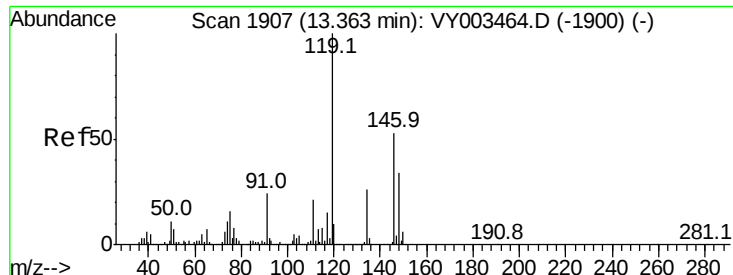
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 49.652 ug/l

RT: 13.36 min Scan# 1907

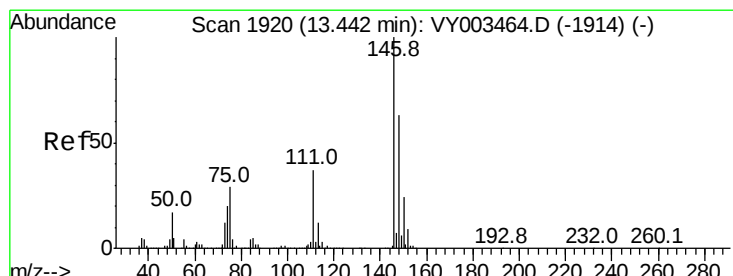
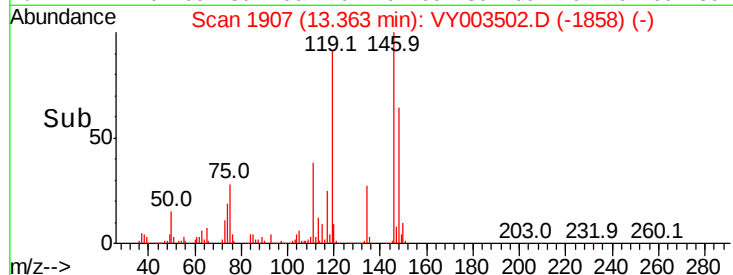
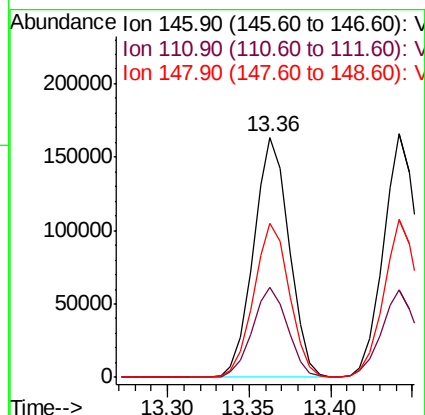
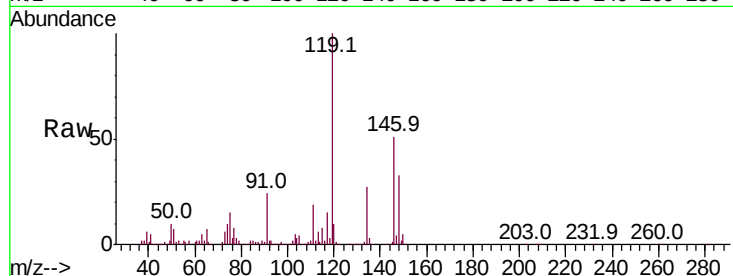
Delta R.T. -0.00 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.3  | 19.1  | 57.1  |
| 148     | 64.3  | 32.4  | 97.0  |



#88

1,4-Dichlorobenzene

Concen: 49.266 ug/l

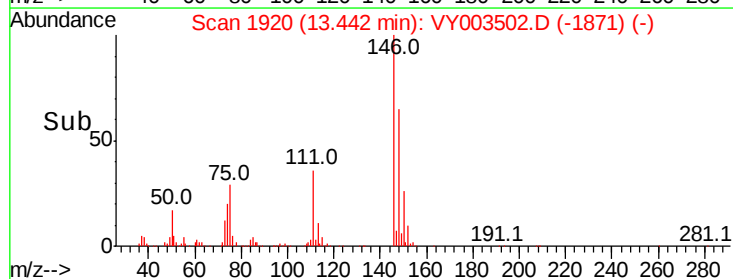
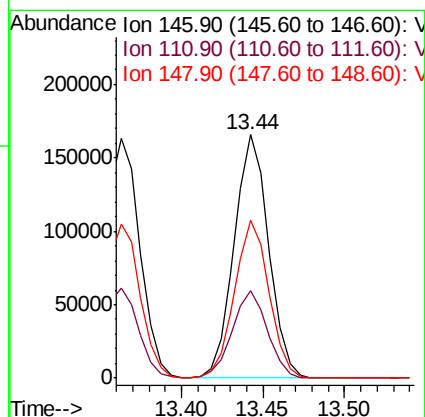
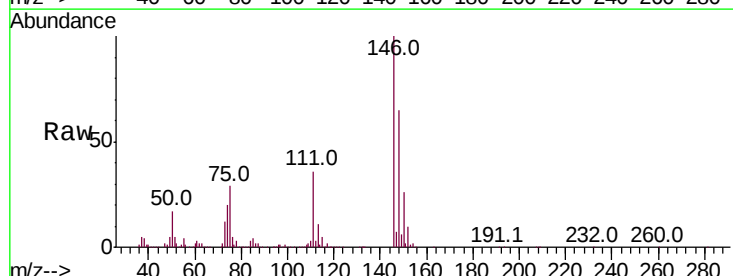
RT: 13.44 min Scan# 1920

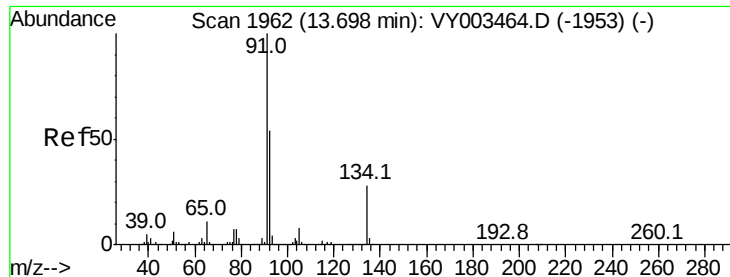
Delta R.T. -0.00 min

Lab File: VY003502.D

Acq: 03 Nov 2020 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.4  | 18.3  | 54.8  |
| 148     | 64.7  | 32.0  | 96.0  |

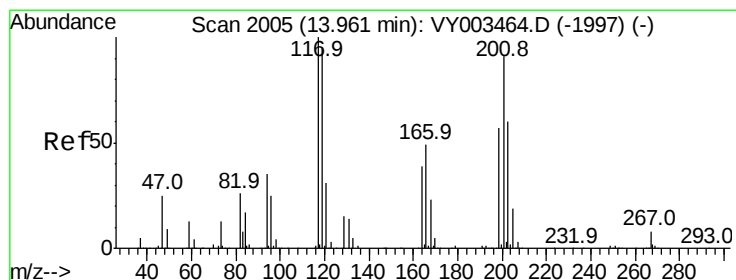
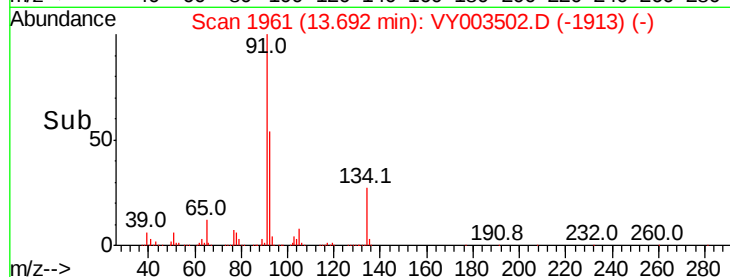
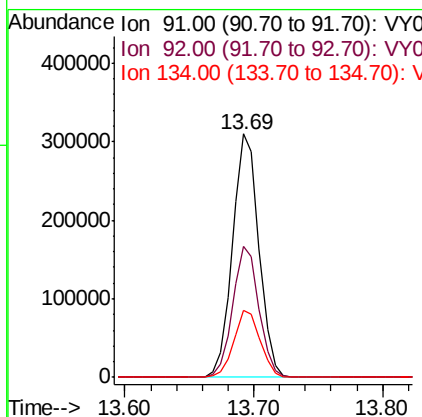
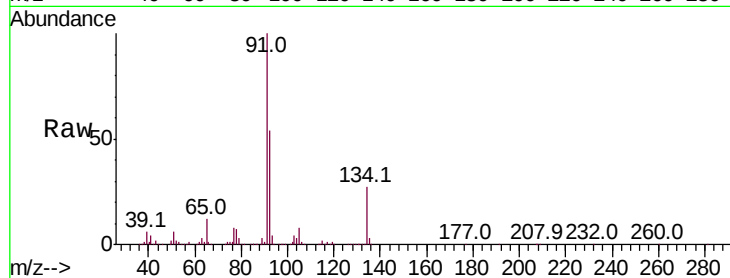




#89  
n-Butylbenzene  
Concen: 49.702 ug/l  
RT: 13.69 min Scan# 1961  
Delta R.T. -0.01 min  
Lab File: VY003502.D  
Acq: 03 Nov 2020 18:56

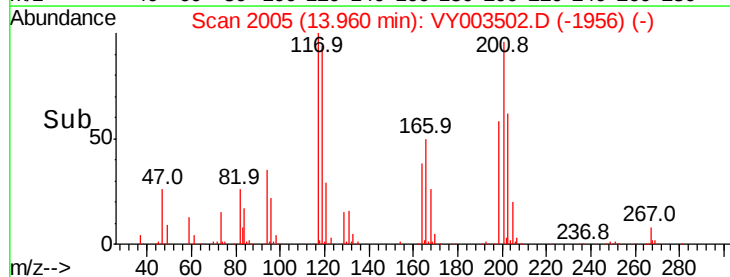
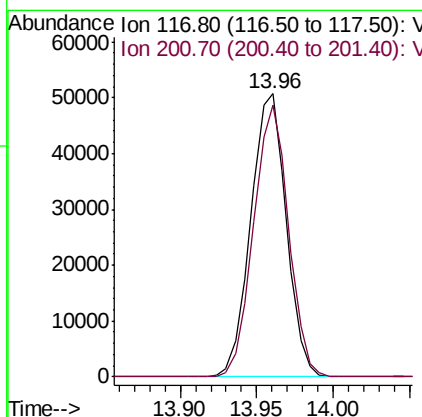
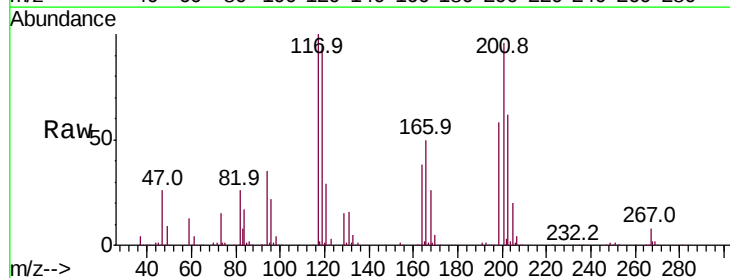
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

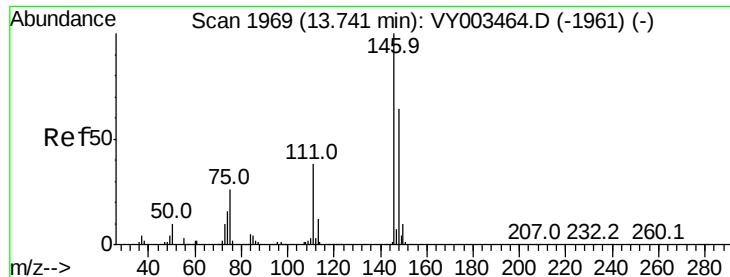
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.5  | 26.7  | 80.1  |
| 134     | 27.5  | 13.8  | 41.3  |



#90  
Hexachloroethane  
Concen: 50.132 ug/l  
RT: 13.96 min Scan# 2005  
Delta R.T. -0.00 min  
Lab File: VY003502.D  
Acq: 03 Nov 2020 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 94.4  | 46.6  | 139.8 |

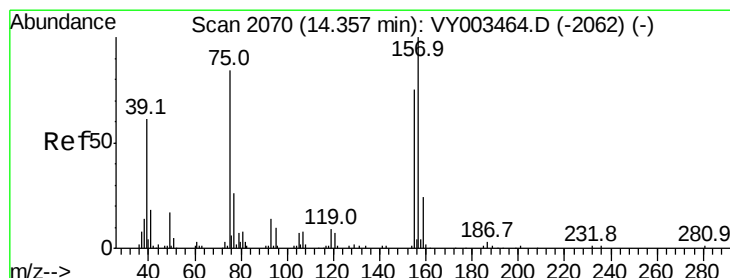
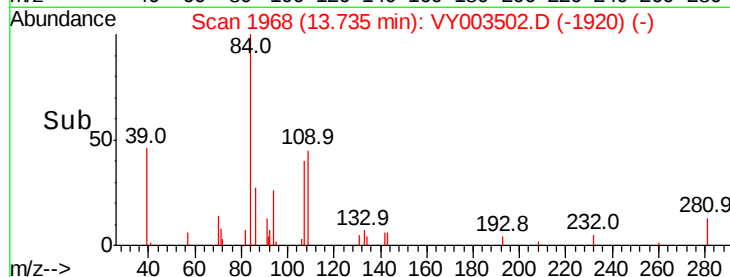
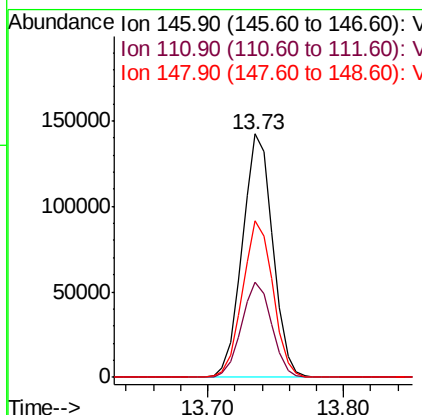
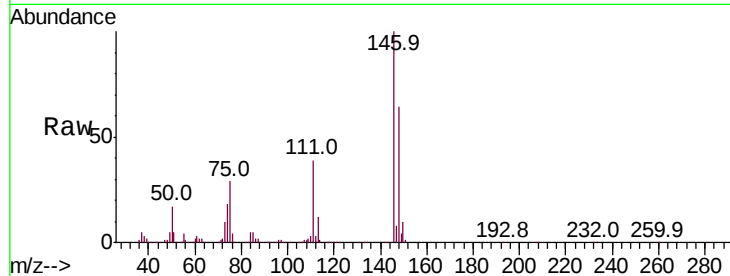




#91  
 1,2-Dichlorobenzene  
 Concen: 50.115 ug/l  
 RT: 13.73 min Scan# 1968  
 Delta R.T. -0.01 min  
 Lab File: VY003502.D  
 Acq: 03 Nov 2020 18:56

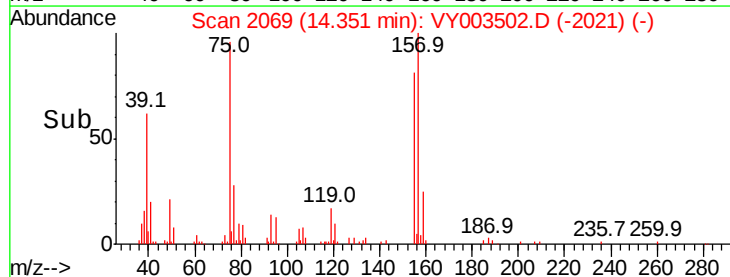
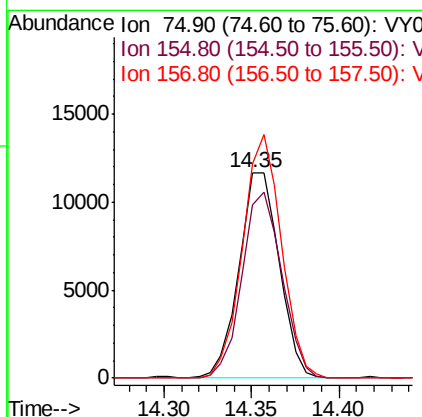
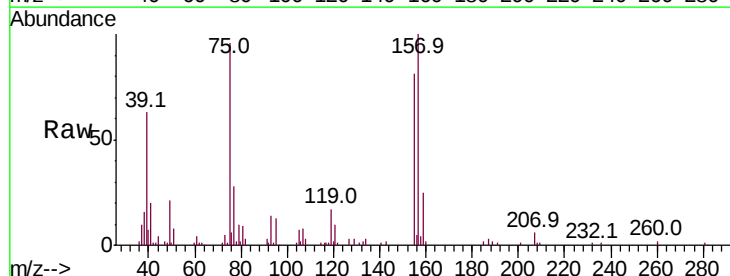
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

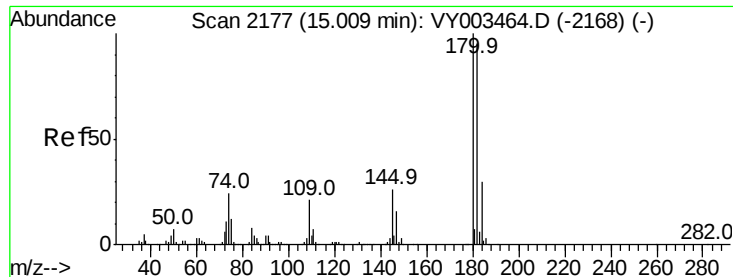
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.0  | 19.3  | 57.8  |
| 148     | 64.4  | 32.3  | 96.8  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 45.869 ug/l  
 RT: 14.35 min Scan# 2069  
 Delta R.T. -0.01 min  
 Lab File: VY003502.D  
 Acq: 03 Nov 2020 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 89.9  | 45.6  | 136.7 |
| 157     | 114.4 | 60.3  | 180.8 |

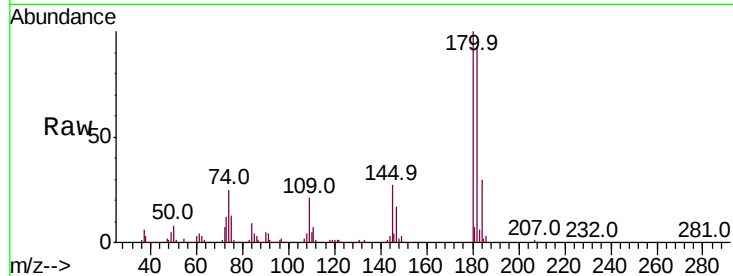




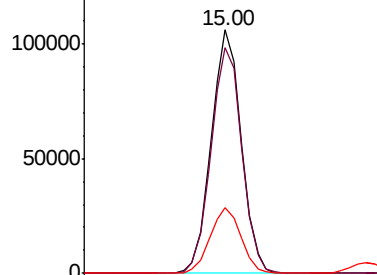
#93  
 1,2,4-Trichlorobenzene  
 Concen: 51.827 ug/l  
 RT: 15.00 min Scan# 2176  
 Delta R.T. -0.01 min  
 Lab File: VY003502.D  
 Acq: 03 Nov 2020 18:56

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

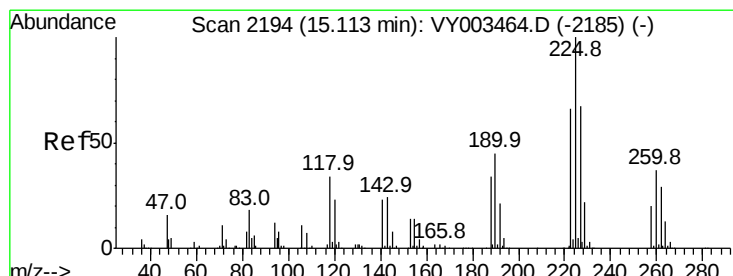
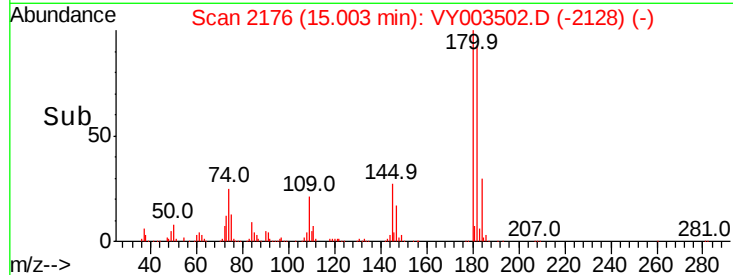
Tot Ion:180 Resp: 162490  
 Ion Ratio Lower Upper  
 180 100  
 182 95.2 48.1 144.3  
 145 27.6 13.8 41.3



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

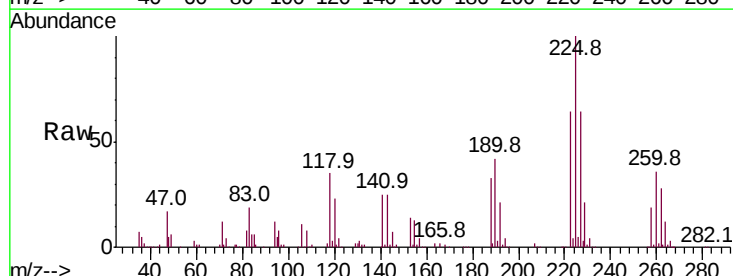


Time--> 14.90 15.00

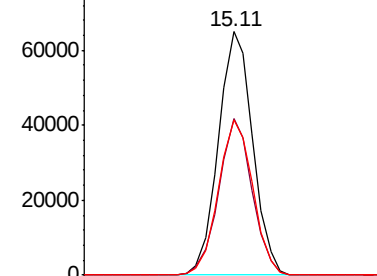


#94  
 Hexachlorobutadiene  
 Concen: 50.222 ug/l  
 RT: 15.11 min Scan# 2193  
 Delta R.T. -0.01 min  
 Lab File: VY003502.D  
 Acq: 03 Nov 2020 18:56

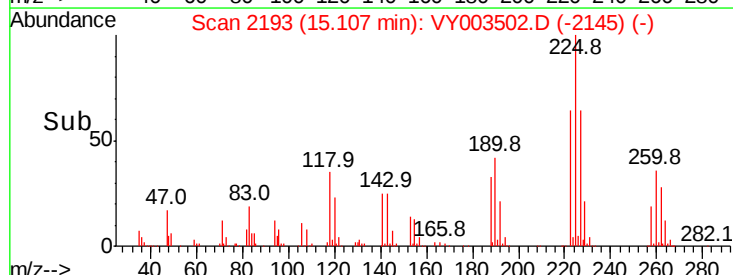
Tgt Ion:225 Resp: 101292  
 Ion Ratio Lower Upper  
 225 100  
 223 62.6 32.1 96.3  
 227 63.9 32.4 97.2

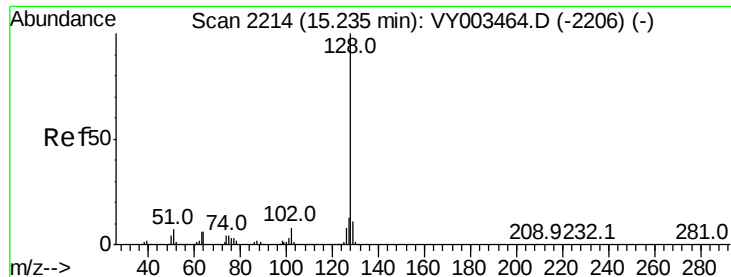


Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V



Time--> 15.05 15.10 15.15

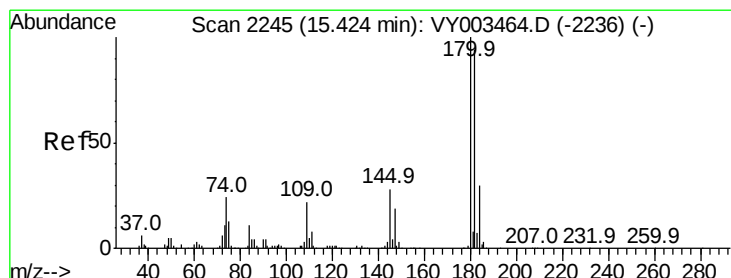
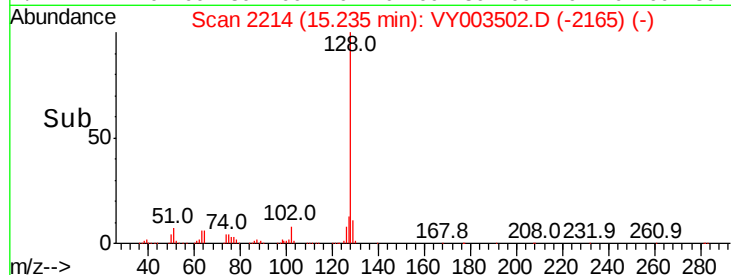
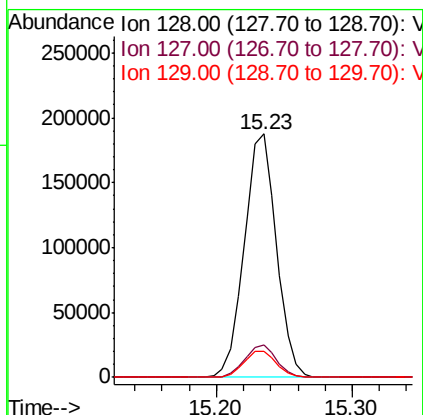
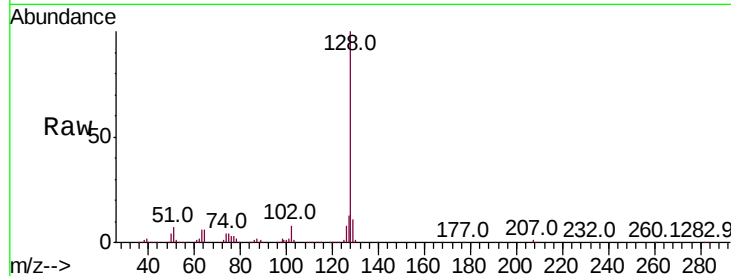




#95  
Naphthalene  
Concen: 49.326 ug/l  
RT: 15.23 min Scan# 2214  
Delta R.T. -0.00 min  
Lab File: VY003502.D  
Acq: 03 Nov 2020 18:56

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.1  | 10.5  | 15.7  |
| 129     | 11.1  | 8.6   | 13.0  |



#96  
1,2,3-Trichlorobenzene  
Concen: 52.248 ug/l  
RT: 15.42 min Scan# 2244  
Delta R.T. -0.01 min  
Lab File: VY003502.D  
Acq: 03 Nov 2020 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.5  | 46.9  | 140.7 |
| 145     | 28.6  | 14.4  | 43.2  |

