

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\WX072320\  
 Data File : VX017486.D  
 Acq On : 23 Jul 2020 12:00  
 Operator : JC/SP  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC150

Quant Time: Jul 23 12:21:18 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X072320W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 23 11:43:15 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.64  | 168  | 605597   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 970130   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 832200   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 445295   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |        |         |      |
|---------------------------|--------|-----|----------|--------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.03   | 65  | 1173368  | 151.59 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 303.18% |      |
| 35) Dibromofluoromethane  | 5.47   | 113 | 910565   | 138.35 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 276.70% |      |
| 50) Toluene-d8            | 8.70   | 98  | 3422588  | 144.91 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 289.82% |      |
| 62) 4-Bromofluorobenzene  | 11.12  | 95  | 1337633  | 144.17 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 288.34% |      |

## Target Compounds

|                               |      |     |          |          |      | Qvalue |
|-------------------------------|------|-----|----------|----------|------|--------|
| 2) Dichlorodifluoromethane    | 1.18 | 85  | 828870   | 161.289  | ug/l | 99     |
| 3) Chloromethane              | 1.31 | 50  | 1133726  | 187.406  | ug/l | 97     |
| 4) Vinyl Chloride             | 1.39 | 62  | 1097015  | 185.308  | ug/l | 100    |
| 5) Bromomethane               | 1.62 | 94  | 589417   | 154.412  | ug/l | 98     |
| 6) Chloroethane               | 1.69 | 64  | 619251   | 166.521  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 1.90 | 101 | 1626027  | 165.525  | ug/l | 99     |
| 8) Diethyl Ether              | 2.17 | 74  | 563587   | 159.198  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.36 | 101 | 873387   | 155.373  | ug/l | 97     |
| 10) Methyl Iodide             | 2.49 | 142 | 1259411  | 181.115  | ug/l | 99     |
| 11) Tert butyl alcohol        | 3.04 | 59  | 1170353  | 854.256  | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.35 | 96  | 872603   | 155.007  | ug/l | 97     |
| 13) Acrolein                  | 2.28 | 56  | 936177   | 1146.371 | ug/l | 100    |
| 14) Allyl chloride            | 2.70 | 41  | 1644468  | 166.161  | ug/l | 99     |
| 15) Acrylonitrile             | 3.12 | 53  | 2479743  | 772.227  | ug/l | 99     |
| 16) Acetone                   | 2.43 | 43  | 2376356  | 833.298  | ug/l | 99     |
| 17) Carbon Disulfide          | 2.54 | 76  | 2588799  | 157.508  | ug/l | 98     |
| 18) Methyl Acetate            | 2.75 | 43  | 1149435  | 163.368  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 3.17 | 73  | 3011239  | 157.046  | ug/l | 99     |
| 20) Methylene Chloride        | 2.83 | 84  | 962937   | 142.589  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 3.14 | 96  | 874554   | 137.561  | ug/l | 96     |
| 22) Diisopropyl ether         | 3.83 | 45  | 3006747  | 163.193  | ug/l | # 85   |
| 23) Vinyl Acetate             | 3.79 | 43  | 13786553 | 845.458  | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.67 | 63  | 1714533  | 158.850  | ug/l | 99     |
| 25) 2-Butanone                | 4.64 | 43  | 3497101  | 792.676  | ug/l | 95     |
| 26) 2,2-Dichloropropane       | 4.55 | 77  | 1443723  | 144.582  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.56 | 96  | 996596   | 144.047  | ug/l | 99     |
| 28) Bromochloromethane        | 4.98 | 49  | 799720   | 160.580  | ug/l | 98     |
| 29) Tetrahydrofuran           | 5.10 | 42  | 2234789  | 785.416  | ug/l | 98     |
| 30) Chloroform                | 5.18 | 83  | 1750943  | 151.809  | ug/l | 100    |
| 31) Cyclohexane               | 5.55 | 56  | 1376090  | 156.887  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 5.46 | 97  | 1560409  | 146.289  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.78 | 75  | 1258171  | 141.496  | ug/l | 100    |
| 37) Ethyl Acetate             | 4.80 | 43  | 1364105  | 143.666  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.75 | 117 | 1516754  | 145.188  | ug/l | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\WX072320\  
 Data File : VX017486.D  
 Acq On : 23 Jul 2020 12:00  
 Operator : JC/SP  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC150

Quant Time: Jul 23 12:21:18 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X072320W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 23 11:43:15 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units | Dev(Min) |
|--------------------------------|-------|------|----------|----------|-------|----------|
| 39) Methylcyclohexane          | 7.44  | 83   | 1616331  | 167.121  | ug/l  | 96       |
| 40) Benzene                    | 6.11  | 78   | 3558996  | 138.777  | ug/l  | 97       |
| 41) Methacrylonitrile          | 5.01  | 41   | 838314   | 165.282  | ug/l  | 99       |
| 42) 1,2-Dichloroethane         | 6.17  | 62   | 1444839  | 143.346  | ug/l  | 99       |
| 43) Isopropyl Acetate          | 6.42  | 43   | 2329747  | 151.608  | ug/l  | 100      |
| 44) Trichloroethene            | 7.19  | 130  | 1155687  | 148.960  | ug/l  | 95       |
| 45) 1,2-Dichloropropane        | 7.49  | 63   | 1060453  | 161.564  | ug/l  | 98       |
| 46) Dibromomethane             | 7.64  | 93   | 744775   | 157.599  | ug/l  | 96       |
| 47) Bromodichloromethane       | 7.88  | 83   | 1560644  | 158.013  | ug/l  | 97       |
| 48) Methyl methacrylate        | 7.75  | 41   | 1324380  | 184.604  | ug/l  | 98       |
| 49) 1,4-Dioxane                | 7.72  | 88   | 504397   | 3489.685 | ug/l  | 97       |
| 51) 4-Methyl-2-Pentanone       | 8.63  | 43   | 7088677  | 771.739  | ug/l  | 99       |
| 52) Toluene                    | 8.77  | 92   | 2305266  | 141.064  | ug/l  | 99       |
| 53) t-1,3-Dichloropropene      | 9.02  | 75   | 1681422  | 155.574  | ug/l  | 100      |
| 54) cis-1,3-Dichloropropene    | 8.42  | 75   | 1802260  | 158.654  | ug/l  | 98       |
| 55) 1,1,2-Trichloroethane      | 9.20  | 97   | 980457   | 142.309  | ug/l  | 98       |
| 56) Ethyl methacrylate         | 9.16  | 69   | 1576945  | 159.255  | ug/l  | 99       |
| 57) 1,3-Dichloropropane        | 9.35  | 76   | 1739603  | 151.581  | ug/l  | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.29  | 63   | 4326457  | 861.921  | ug/l  | 100      |
| 59) 2-Hexanone                 | 9.48  | 43   | 5284204  | 758.573  | ug/l  | 99       |
| 60) Dibromochloromethane       | 9.57  | 129  | 1292301  | 152.687  | ug/l  | 99       |
| 61) 1,2-Dibromoethane          | 9.66  | 107  | 1096754  | 146.016  | ug/l  | 100      |
| 64) Tetrachloroethene          | 9.32  | 164  | 1106702  | 153.745  | ug/l  | 98       |
| 65) Chlorobenzene              | 10.12 | 112  | 2663161  | 156.165  | ug/l  | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 1070273  | 157.731  | ug/l  | 99       |
| 67) Ethyl Benzene              | 10.24 | 91   | 4647255  | 164.420  | ug/l  | 99       |
| 68) m/p-Xylenes                | 10.35 | 106  | 3582037  | 331.744  | ug/l  | 98       |
| 69) o-Xylene                   | 10.68 | 106  | 1669728  | 161.853  | ug/l  | 99       |
| 70) Styrene                    | 10.70 | 104  | 2881341  | 162.395  | ug/l  | 98       |
| 71) Bromoform                  | 10.84 | 173  | 956426   | 165.718  | ug/l  | 98       |
| 73) Isopropylbenzene           | 11.00 | 105  | 4651002  | 165.655  | ug/l  | 100      |
| 74) N-amyl acetate             | 10.88 | 43   | 2090138  | 180.411  | ug/l  | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 1397987  | 163.234  | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane     | 11.28 | 75   | 1787259  | 213.977  | ug/l  | 84       |
| 77) Bromobenzene               | 11.24 | 156  | 1235324  | 154.374  | ug/l  | 98       |
| 78) n-propylbenzene            | 11.35 | 91   | 5293805  | 168.333  | ug/l  | 99       |
| 79) 2-Chlorotoluene            | 11.41 | 91   | 3116404  | 160.329  | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 4054911  | 169.040  | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.06 | 75   | 542114   | 163.934  | ug/l  | 98       |
| 82) 4-Chlorotoluene            | 11.49 | 91   | 3794432  | 164.468  | ug/l  | 100      |
| 83) tert-Butylbenzene          | 11.76 | 119  | 3980264  | 172.439  | ug/l  | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 4051188  | 167.884  | ug/l  | 99       |
| 85) sec-Butylbenzene           | 11.93 | 105  | 4557845  | 169.017  | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 4341840  | 169.798  | ug/l  | 100      |
| 87) 1,3-Dichlorobenzene        | 12.01 | 146  | 2224935  | 155.711  | ug/l  | 100      |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 2200746  | 152.273  | ug/l  | 99       |
| 89) n-Butylbenzene             | 12.37 | 91   | 3826594  | 174.375  | ug/l  | 99       |
| 90) Hexachloroethane           | 12.58 | 117  | 829005   | 169.913  | ug/l  | 98       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 2107597  | 156.632  | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 428694   | 186.085  | ug/l  | 99       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX072320\  
Data File : VX017486.D  
Acq On : 23 Jul 2020 12:00  
Operator : JC/SP  
Sample : VSTDICC150  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

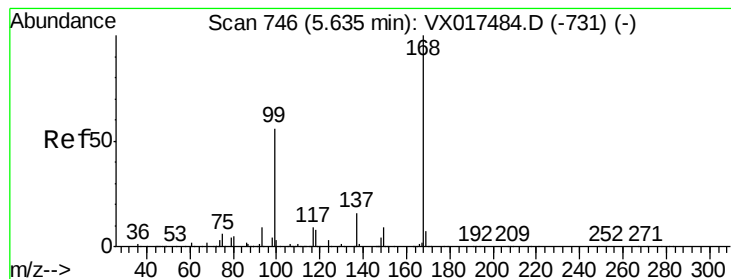
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

Quant Time: Jul 23 12:21:18 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X072320W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 23 11:43:15 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|-------|------|----------|---------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.63 | 180  | 1608076  | 170.776 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 13.77 | 225  | 685063   | 174.703 | ug/l  | 98       |
| 95) Naphthalene            | 13.82 | 128  | 4947029  | 177.552 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.00 | 180  | 1555730  | 170.038 | ug/l  | 97       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

Instrument :

MSVOA\_X

ClientSampleId :

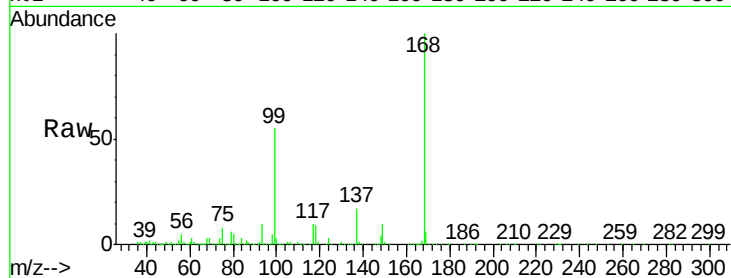
VSTDIC150

Tgt Ion:168 Resp: 605597

Ion Ratio Lower Upper

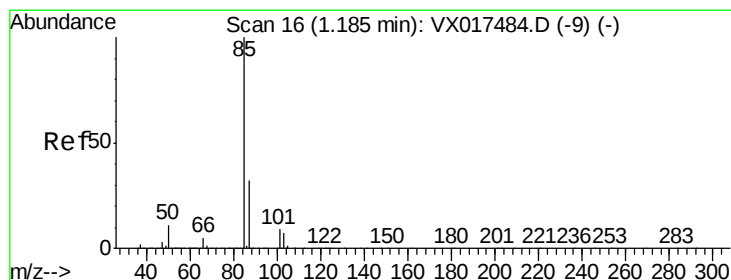
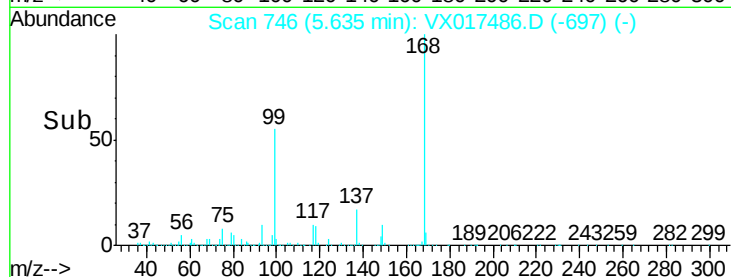
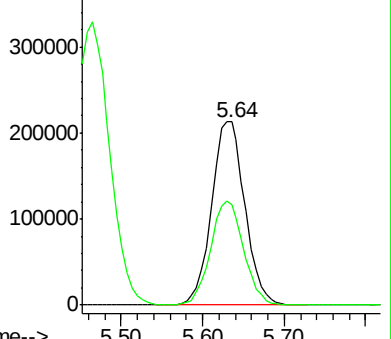
168 100

99 54.3 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 161.289 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017486.D

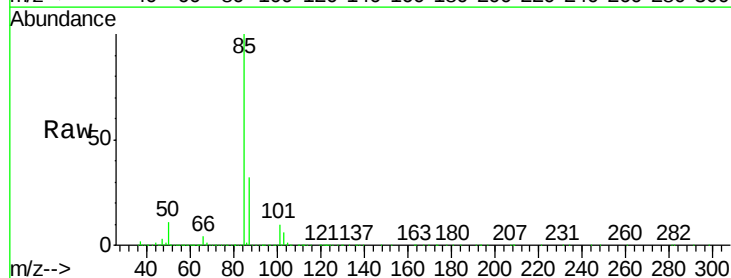
Acq: 23 Jul 2020 12:00

Tgt Ion: 85 Resp: 828870

Ion Ratio Lower Upper

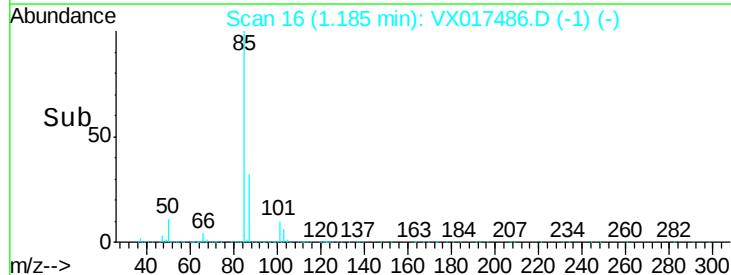
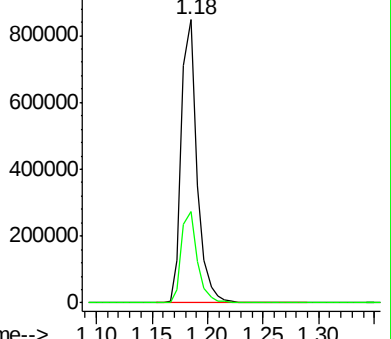
85 100

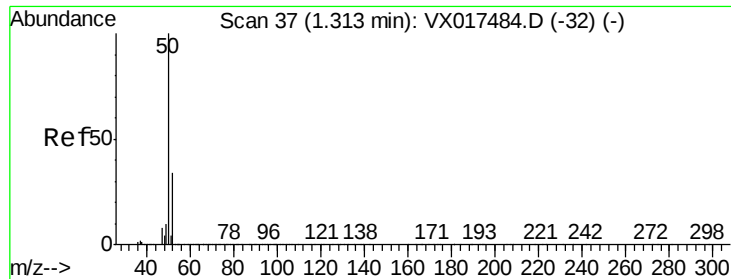
87 32.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

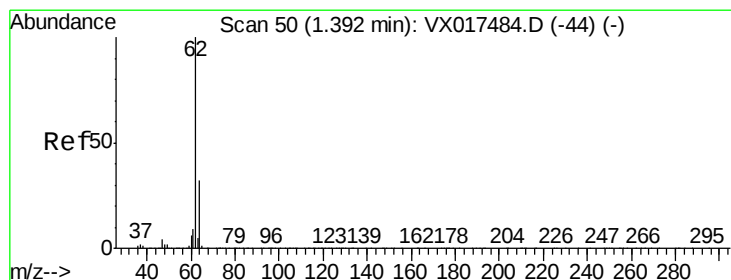
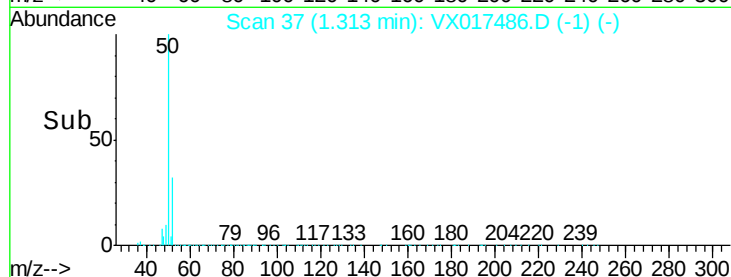
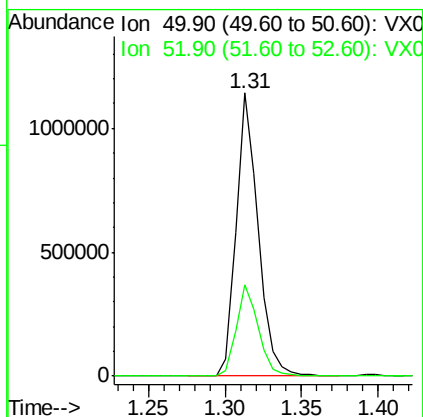
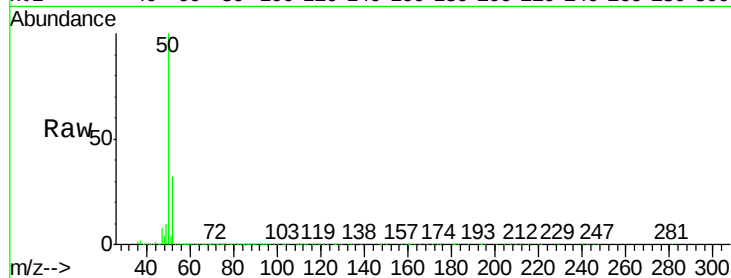




#3  
Chloromethane  
Concen: 187.406 ug/l  
RT: 1.31 min Scan# 37  
Delta R.T. 0.00 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

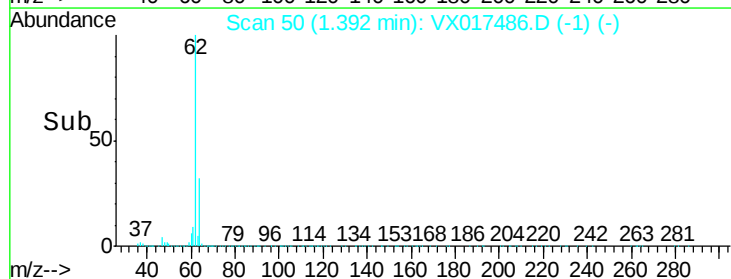
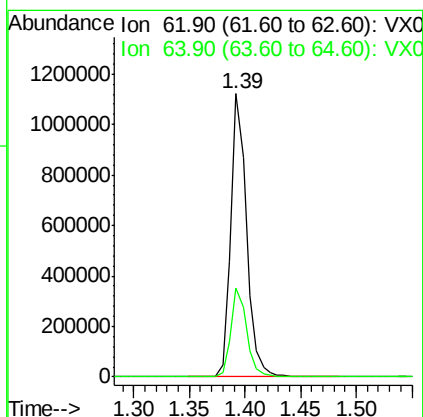
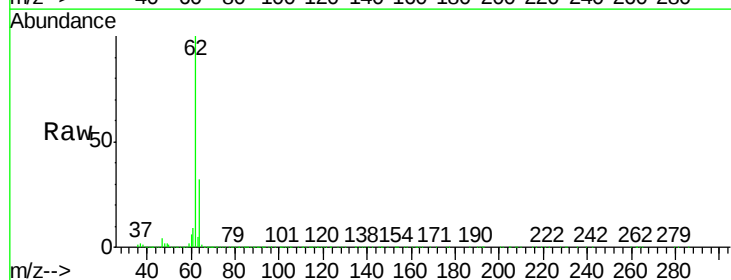
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

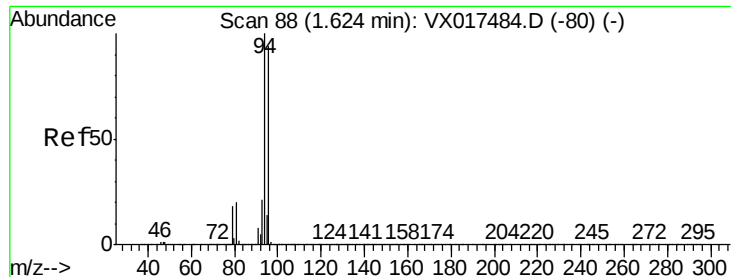
Tgt Ion: 50 Resp: 1133726  
Ion Ratio Lower Upper  
50 100  
52 32.4 27.1 40.7



#4  
Vinyl Chloride  
Concen: 185.308 ug/l  
RT: 1.39 min Scan# 50  
Delta R.T. 0.00 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

Tgt Ion: 62 Resp: 1097015  
Ion Ratio Lower Upper  
62 100  
64 31.5 25.4 38.0





#5

Bromomethane

Concen: 154.412 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

Instrument :

MSVOA\_X

ClientSampleId :

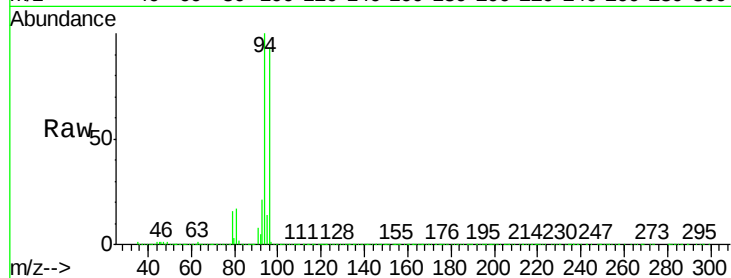
VSTDIC150

Tgt Ion: 94 Resp: 589417

Ion Ratio Lower Upper

94 100

96 92.6 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

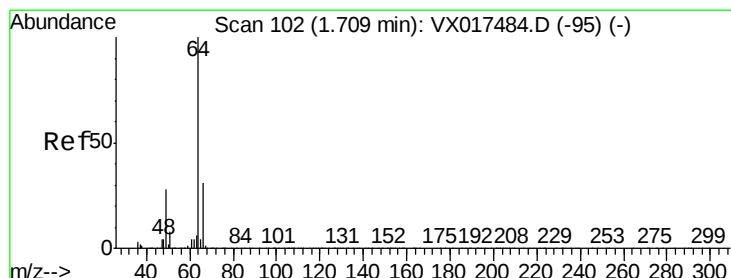
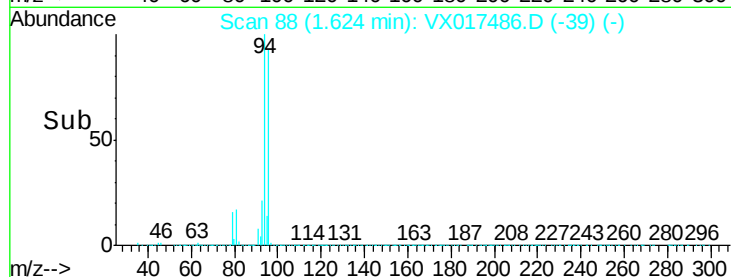
600000

400000

200000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 166.521 ug/l

RT: 1.69 min Scan# 99

Delta R.T. -0.02 min

Lab File: VX017486.D

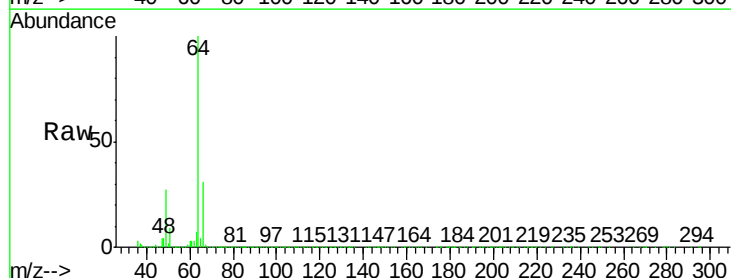
Acq: 23 Jul 2020 12:00

Tgt Ion: 64 Resp: 619251

Ion Ratio Lower Upper

64 100

66 31.1 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.69

600000

500000

400000

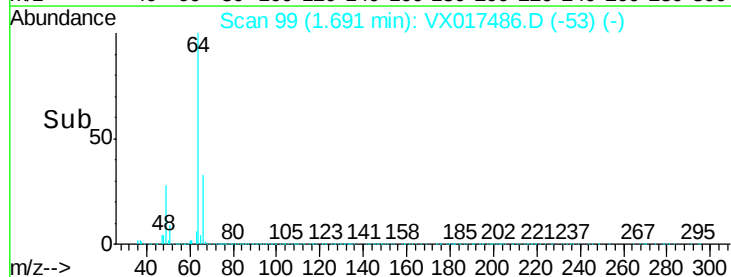
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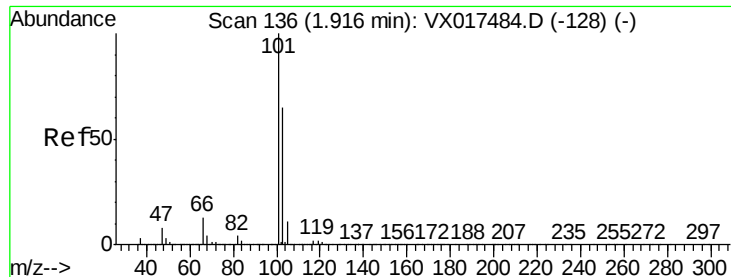
200000

100000

0

Time--> 1.65 1.70 1.75



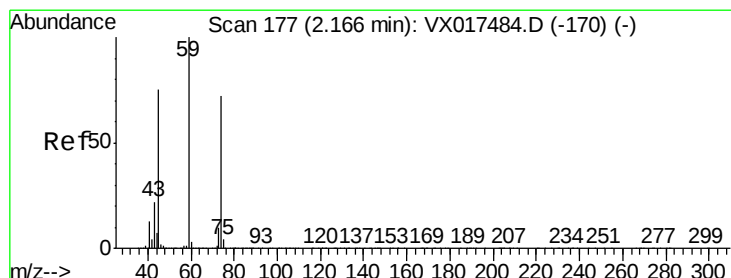
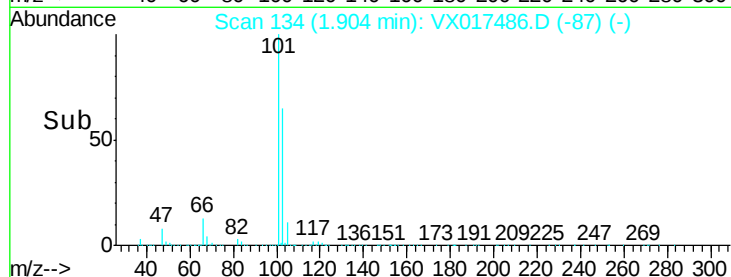
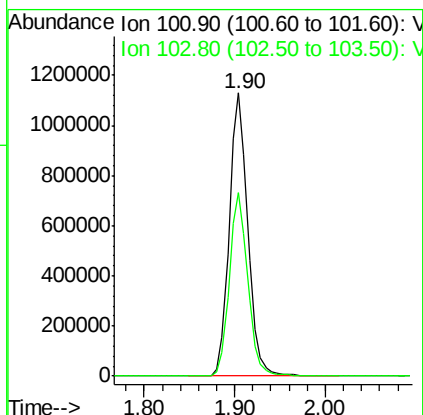
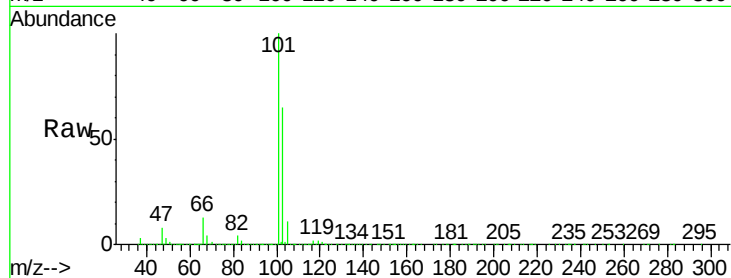


#7

Trichlorofluoromethane  
Concen: 165.525 ug/l  
RT: 1.90 min Scan# 134  
Delta R.T. -0.01 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

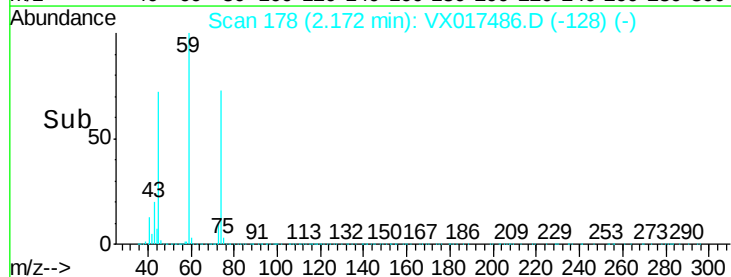
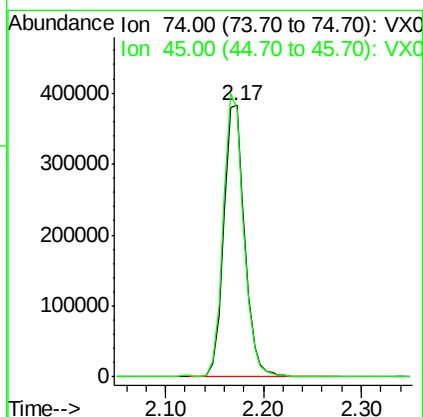
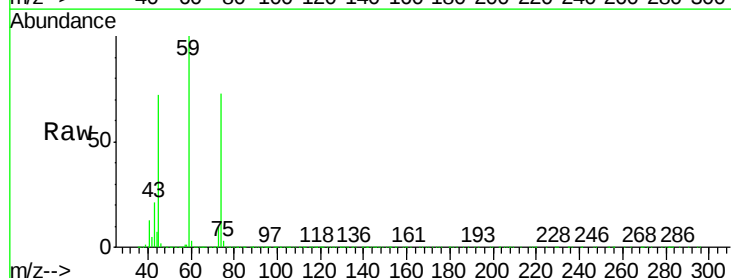
Tgt Ion:101 Resp: 1626027  
Ion Ratio Lower Upper  
101 100  
103 64.8 52.2 78.4

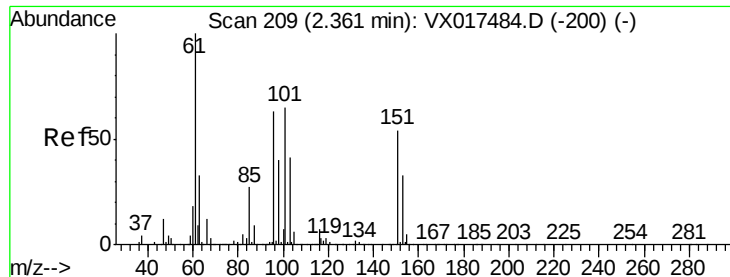


#8

Diethyl Ether  
Concen: 159.198 ug/l  
RT: 2.17 min Scan# 178  
Delta R.T. 0.01 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

Tgt Ion: 74 Resp: 563587  
Ion Ratio Lower Upper  
74 100  
45 101.7 50.6 151.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 155.373 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.01 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

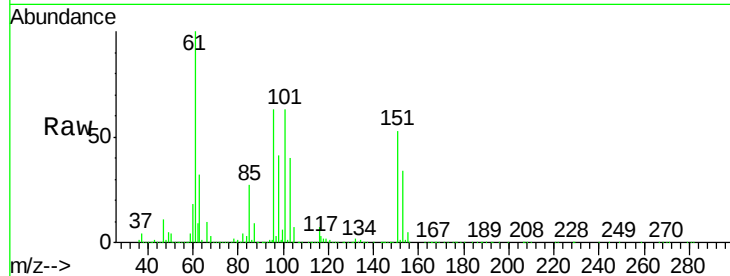
Tgt Ion:101 Resp: 873387

Ion Ratio Lower Upper

101 100

85 43.5 33.8 50.6

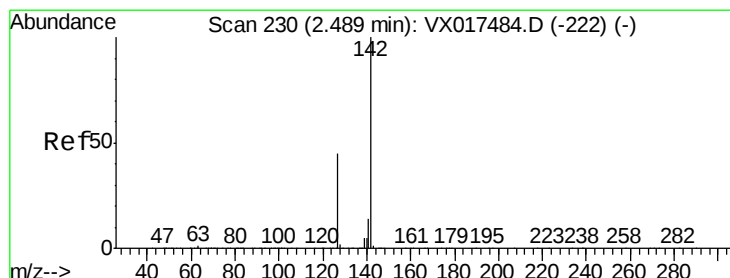
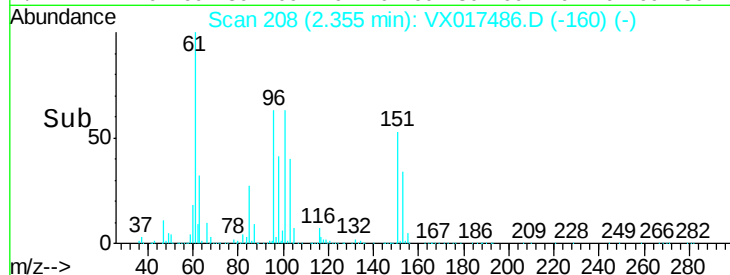
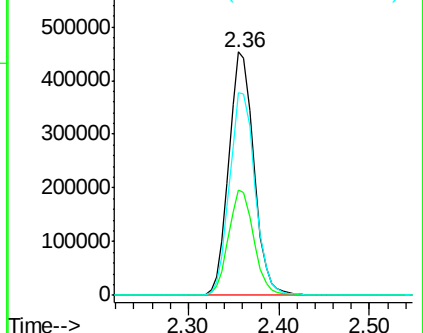
151 85.0 65.8 98.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 181.115 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

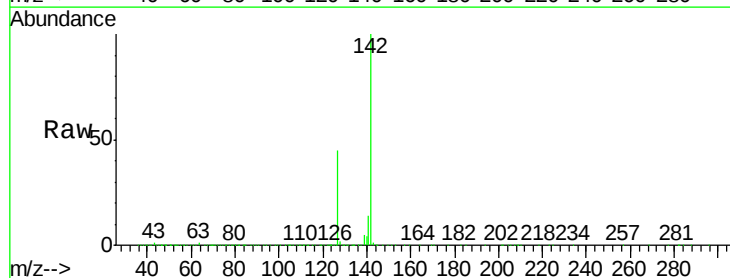
Tgt Ion:142 Resp: 1259411

Ion Ratio Lower Upper

142 100

127 44.9 36.4 54.6

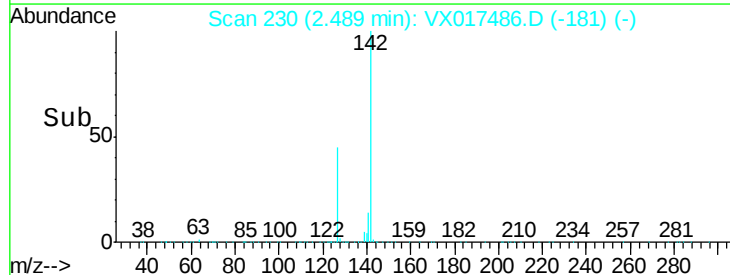
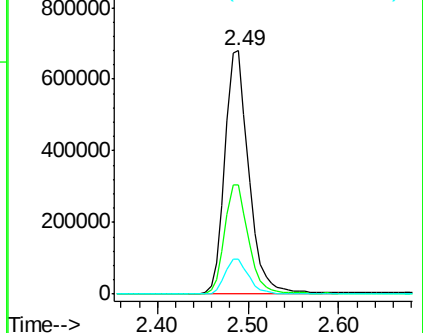
141 14.2 11.4 17.2

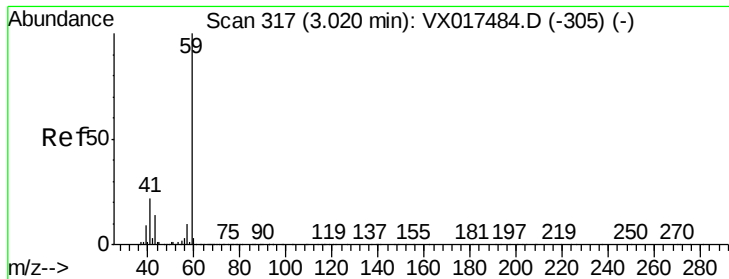


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



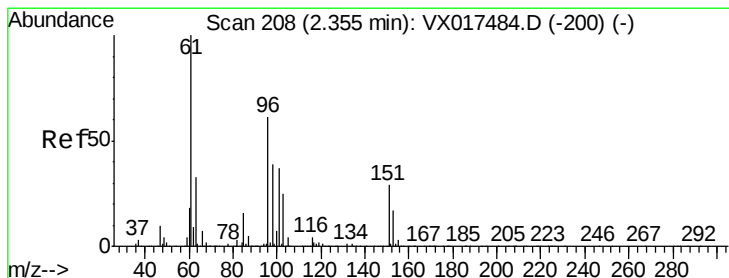
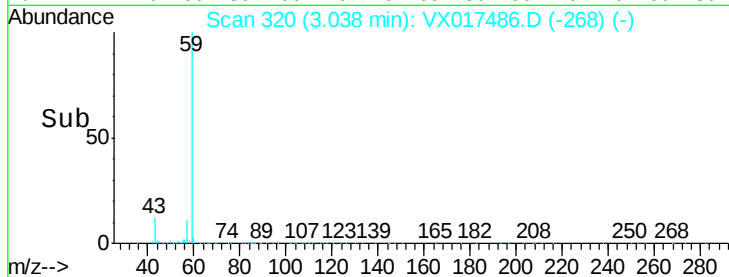
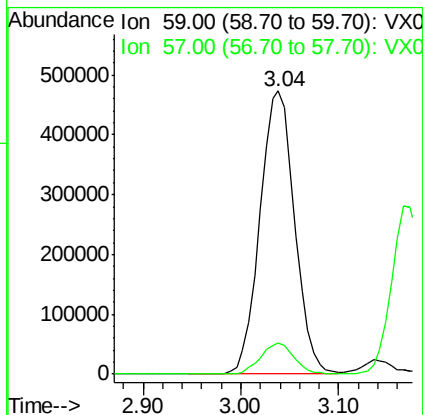
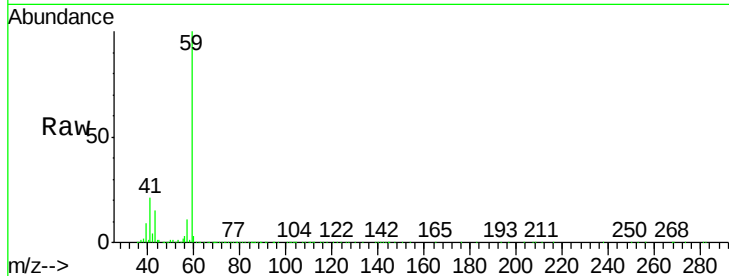


#11

Tert butyl alcohol  
Concen: 854.256 ug/l  
RT: 3.04 min Scan# 320  
Delta R.T. 0.02 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

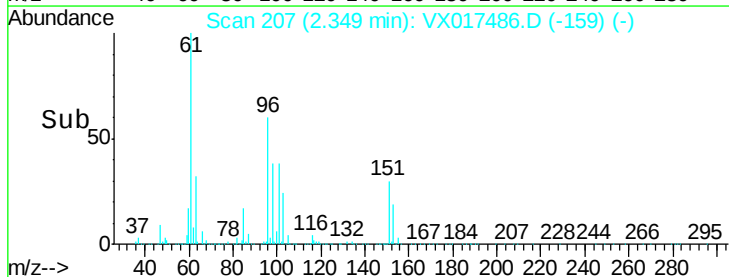
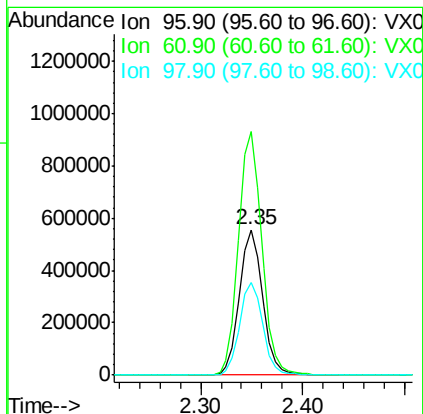
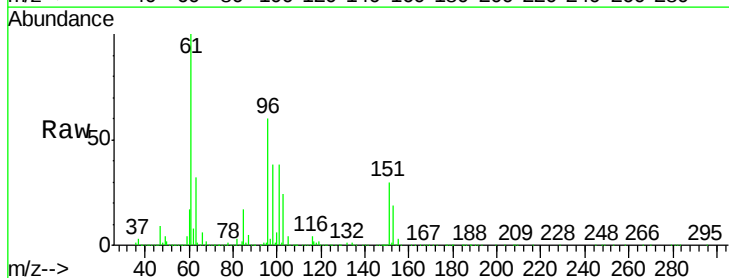
Tgt Ion: 59 Resp: 1170353  
Ion Ratio Lower Upper  
59 100  
57 10.7 8.5 12.7

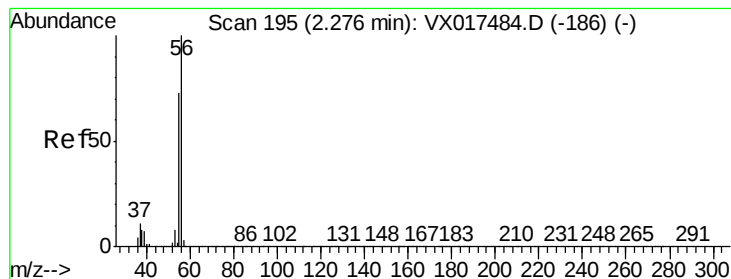


#12

1,1-Dichloroethene  
Concen: 155.007 ug/l  
RT: 2.35 min Scan# 207  
Delta R.T. -0.01 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

Tgt Ion: 96 Resp: 872603  
Ion Ratio Lower Upper  
96 100  
61 167.5 130.2 195.4  
98 63.7 50.5 75.7





#13

Acrolein

Concen: 1146.371 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

Instrument :

MSVOA\_X

ClientSampleId :

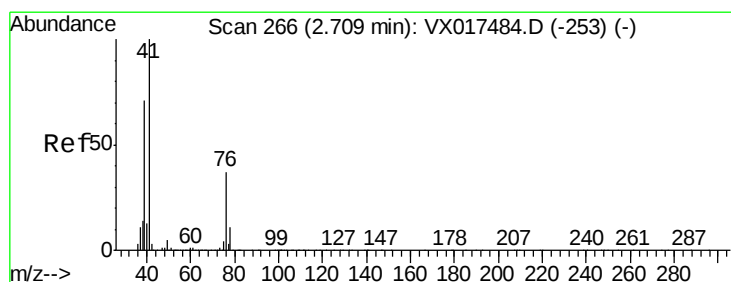
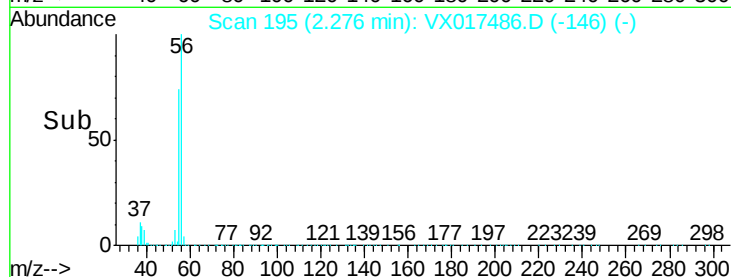
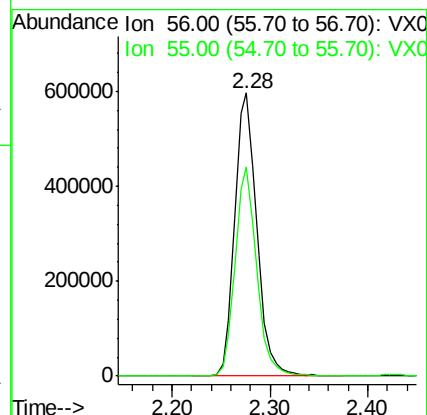
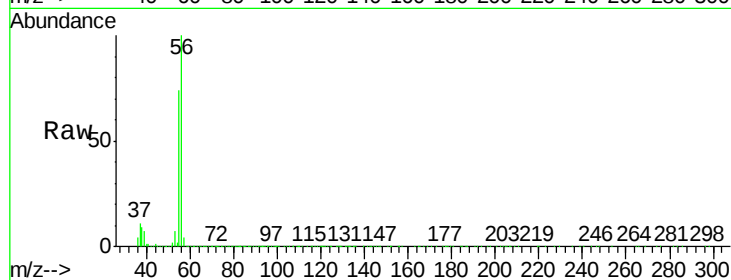
VSTDIC150

Tgt Ion: 56 Resp: 936177

Ion Ratio Lower Upper

56 100

55 71.8 57.3 85.9



#14

Allyl chloride

Concen: 166.161 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

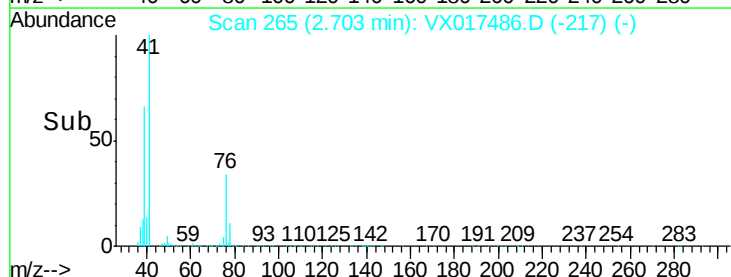
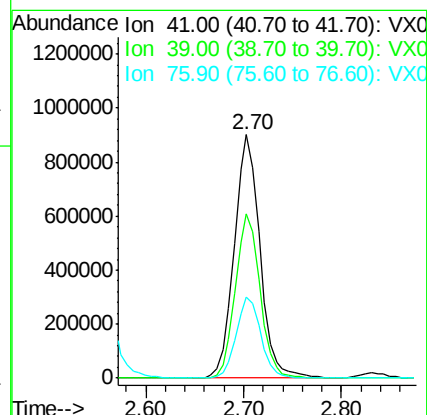
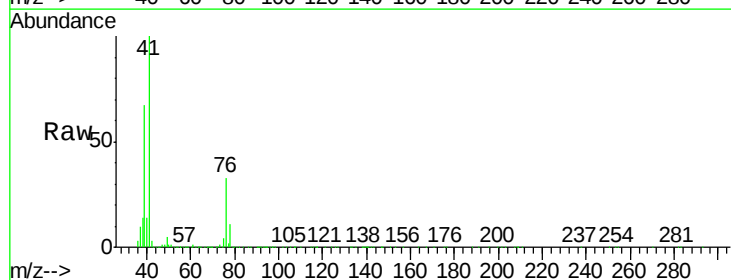
Tgt Ion: 41 Resp: 1644468

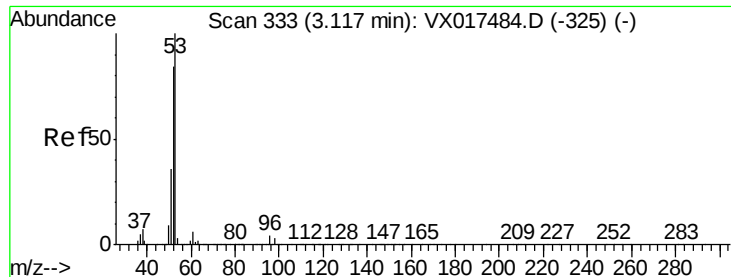
Ion Ratio Lower Upper

41 100

39 64.9 51.7 77.5

76 31.9 26.4 39.6





#15

Acrylonitrile

Concen: 772.227 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

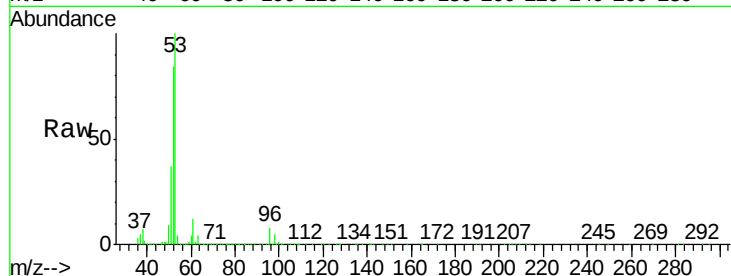
Tgt Ion: 53 Resp: 2479743

Ion Ratio Lower Upper

53 100

52 83.2 67.0 100.4

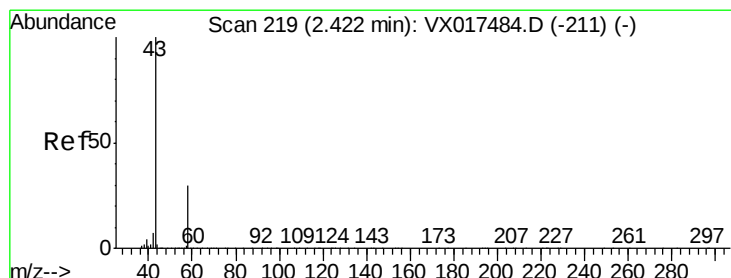
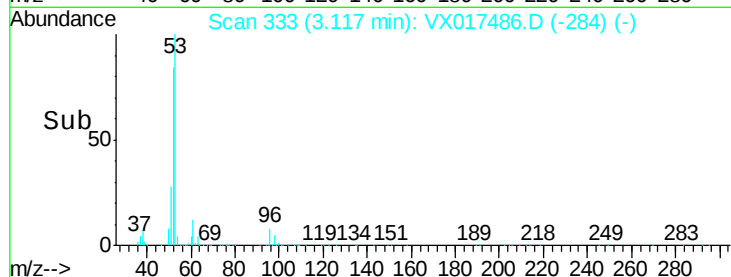
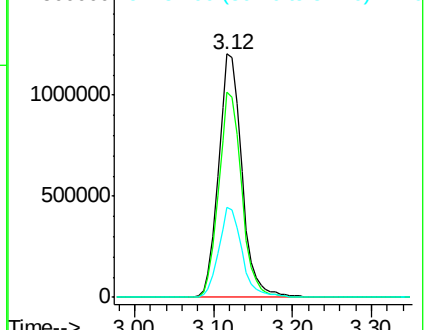
51 36.8 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 833.298 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX017486.D

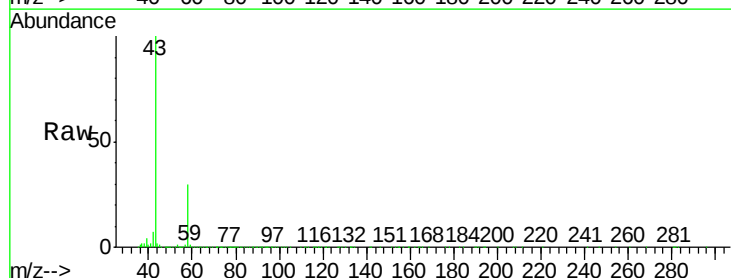
Acq: 23 Jul 2020 12:00

Tgt Ion: 43 Resp: 2376356

Ion Ratio Lower Upper

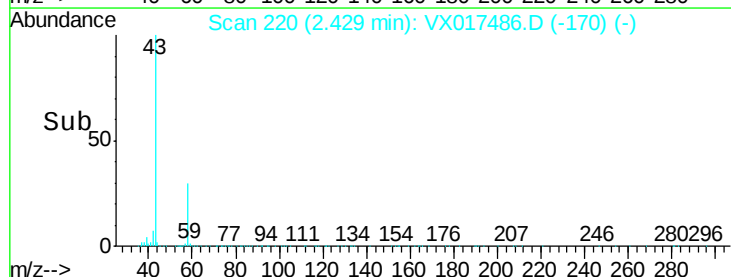
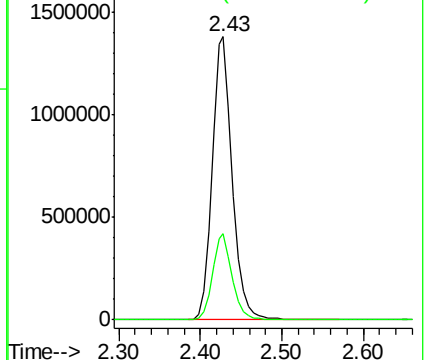
43 100

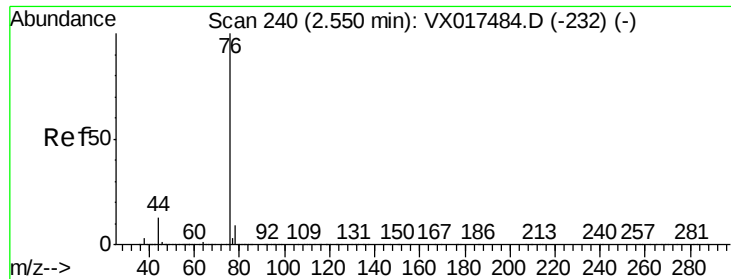
58 30.3 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

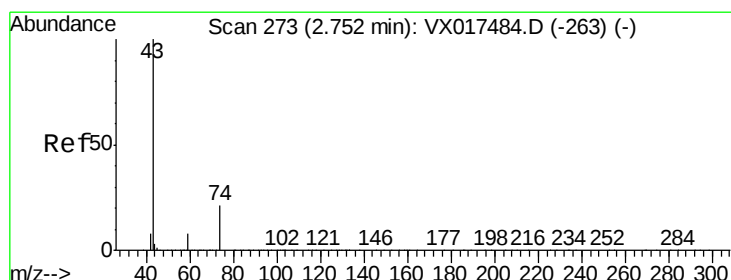
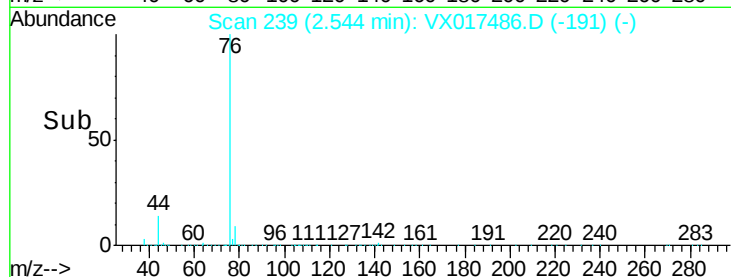
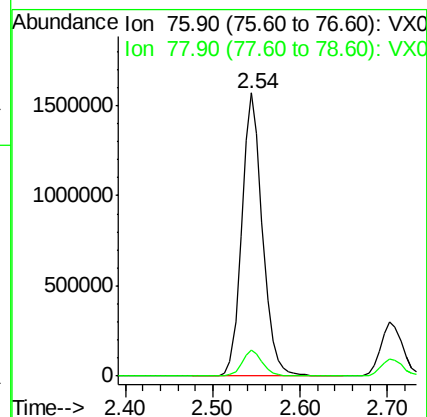
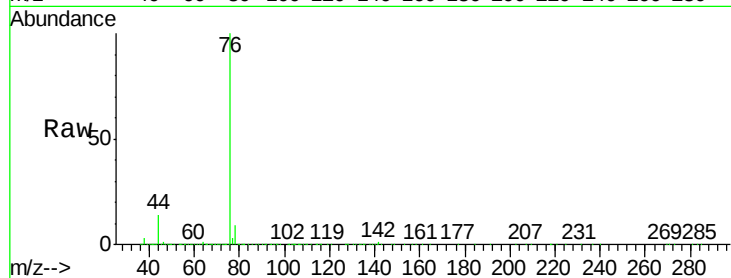




#17  
Carbon Disulfide  
Concen: 157.508 ug/l  
RT: 2.54 min Scan# 239  
Delta R.T. -0.01 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

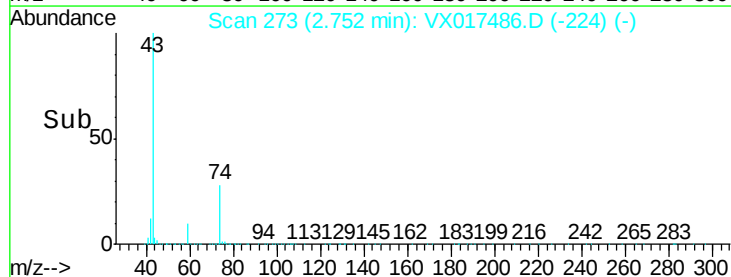
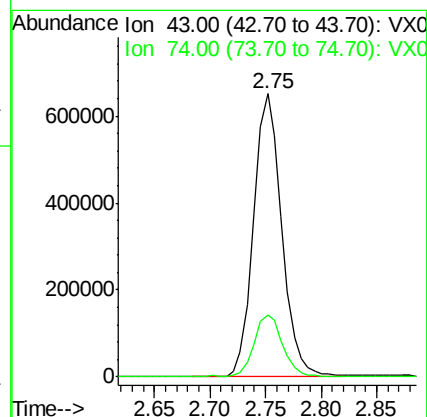
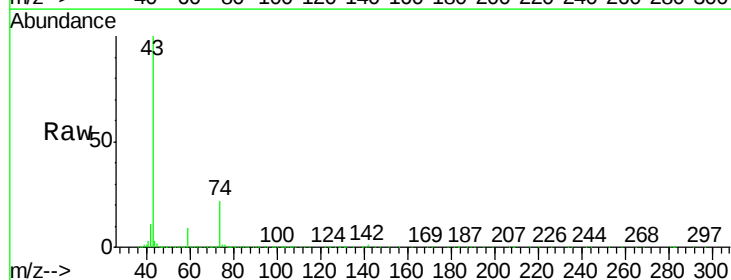
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

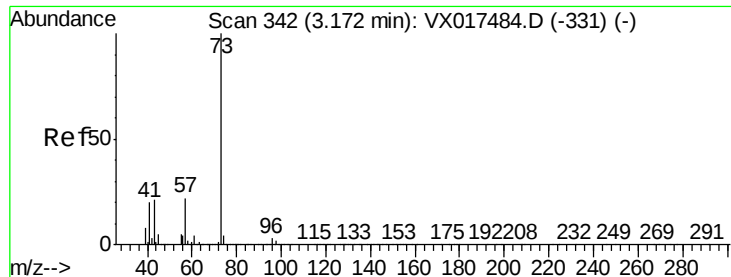
Tgt Ion: 76 Resp: 2588799  
Ion Ratio Lower Upper  
76 100  
78 9.4 6.8 10.2



#18  
Methyl Acetate  
Concen: 163.368 ug/l  
RT: 2.75 min Scan# 273  
Delta R.T. 0.00 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

Tgt Ion: 43 Resp: 1149435  
Ion Ratio Lower Upper  
43 100  
74 21.9 18.1 27.1

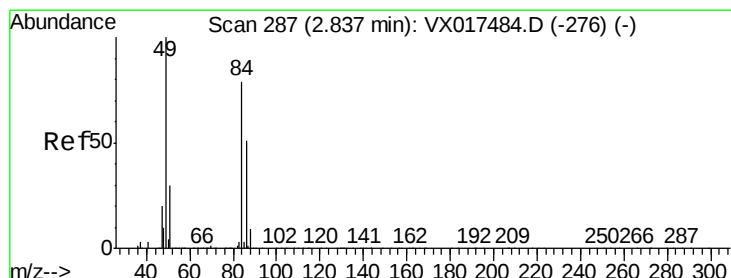
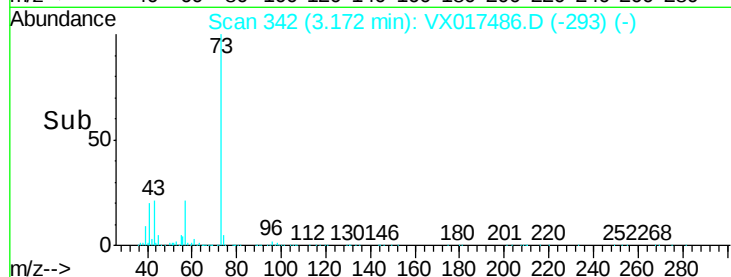
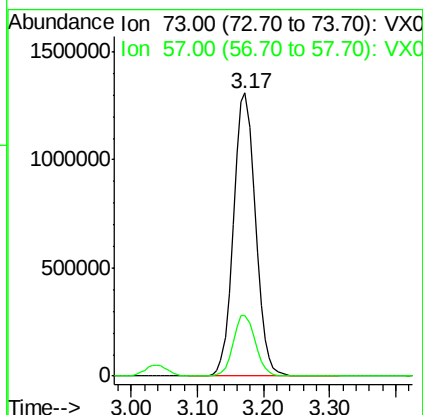
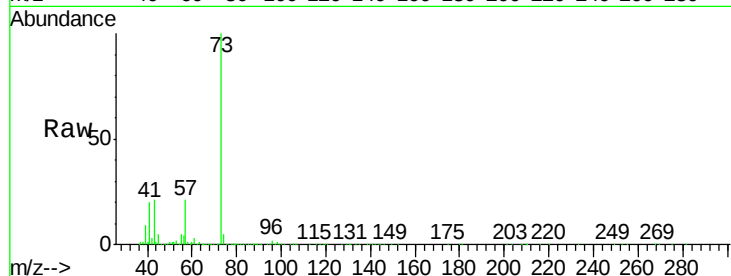




#19  
Methyl tert-butyl Ether  
Concen: 157.046 ug/l  
RT: 3.17 min Scan# 342  
Delta R.T. 0.00 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

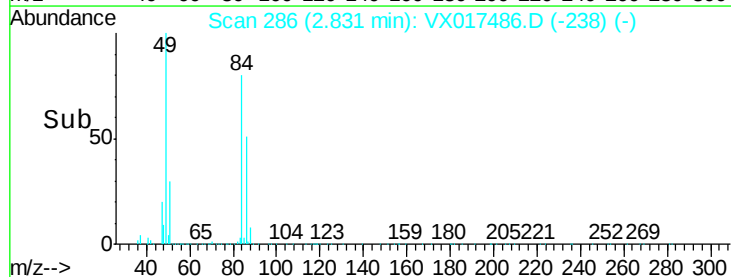
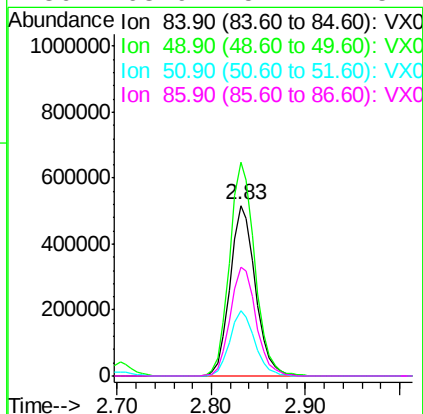
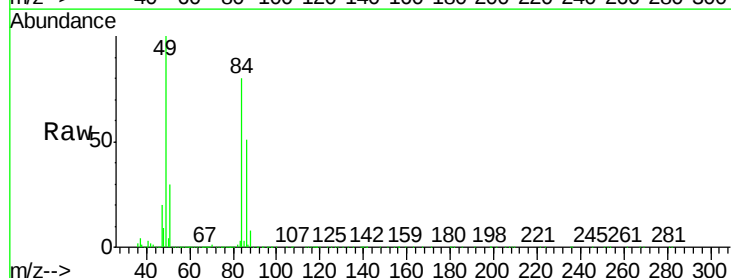
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

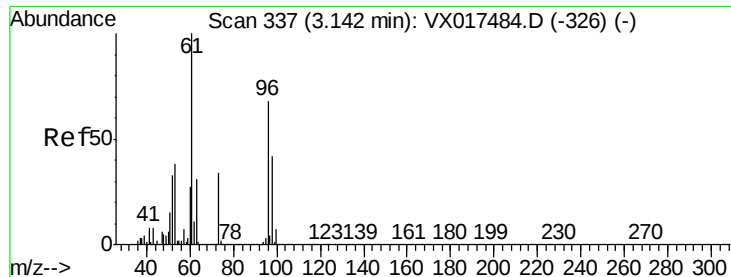
Tgt Ion: 73 Resp: 3011239  
Ion Ratio Lower Upper  
73 100  
57 21.2 17.3 25.9



#20  
Methylene Chloride  
Concen: 142.589 ug/l  
RT: 2.83 min Scan# 286  
Delta R.T. -0.01 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

Tgt Ion: 84 Resp: 962937  
Ion Ratio Lower Upper  
84 100  
49 125.4 101.4 152.2  
51 38.1 30.6 45.8  
86 63.9 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 137.561 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

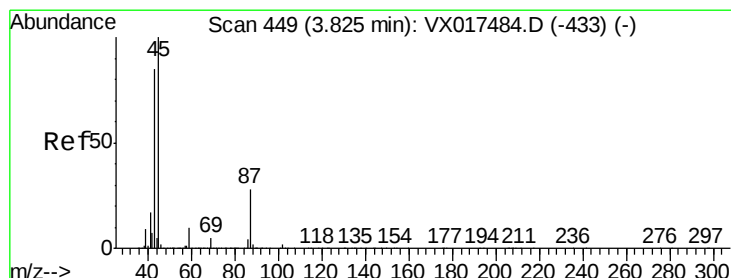
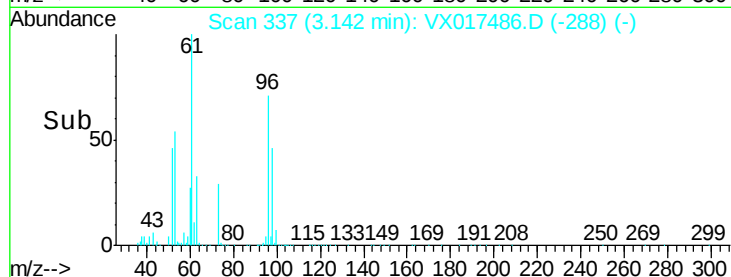
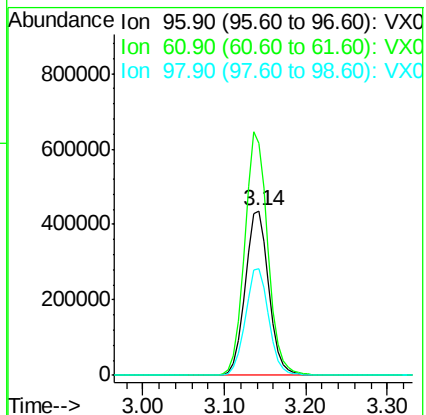
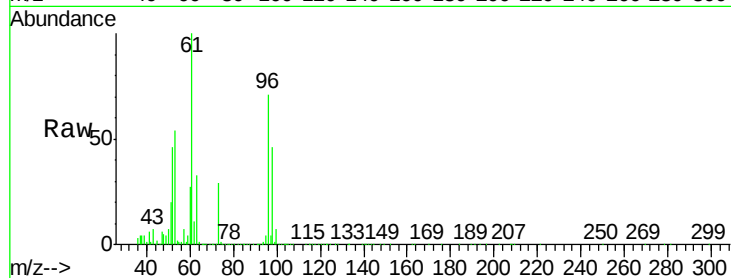
Tgt Ion: 96 Resp: 874554

Ion Ratio Lower Upper

96 100

61 141.2 117.2 175.8

98 64.8 49.0 73.4



#22

Diisopropyl ether

Concen: 163.193 ug/l

RT: 3.83 min Scan# 450

Delta R.T. 0.01 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

Tgt Ion: 45 Resp: 3006747

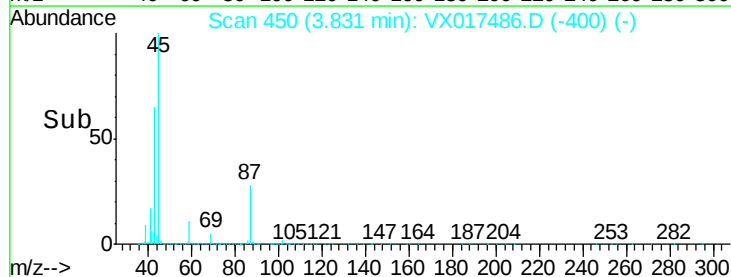
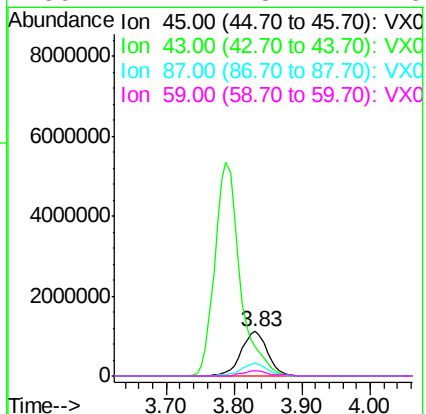
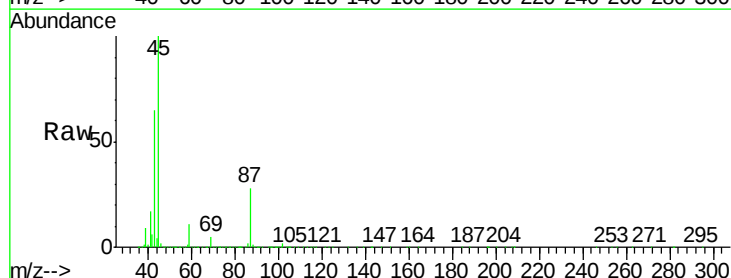
Ion Ratio Lower Upper

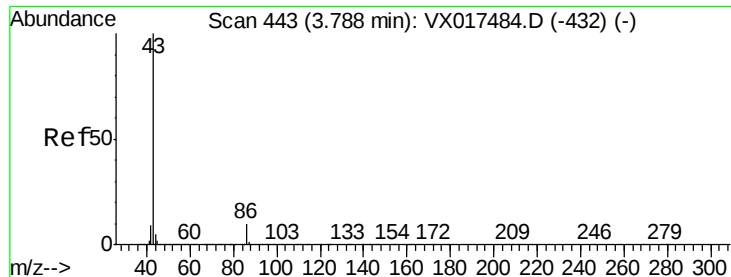
45 100

43 65.0 68.0 102.0#

87 27.8 22.2 33.4

59 11.1 8.4 12.6

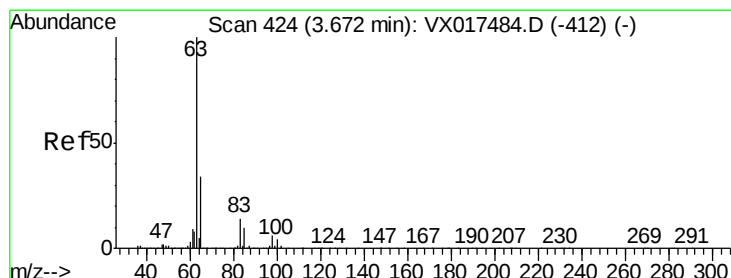
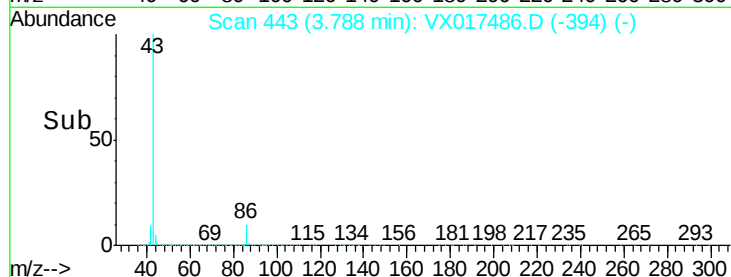
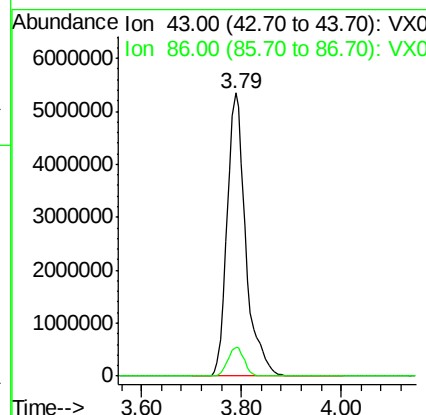
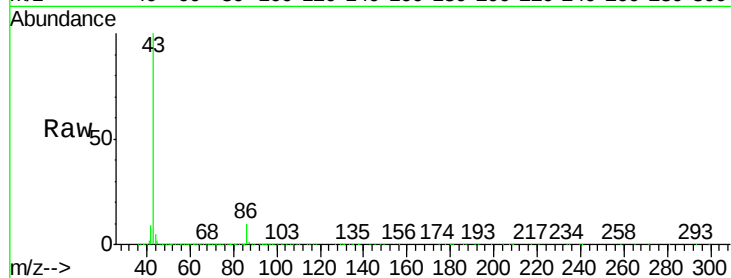




#23  
 Vinyl Acetate  
 Concen: 845.458 ug/l  
 RT: 3.79 min Scan# 443  
 Delta R.T. 0.00 min  
 Lab File: VX017486.D  
 Acq: 23 Jul 2020 12:00

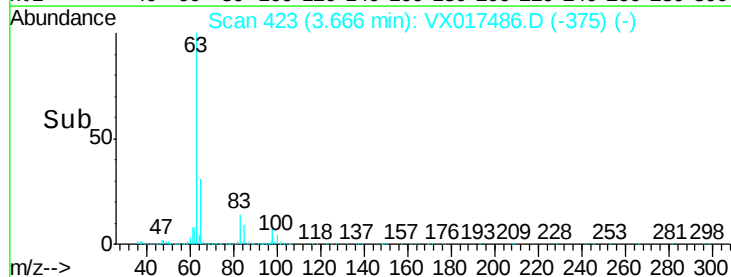
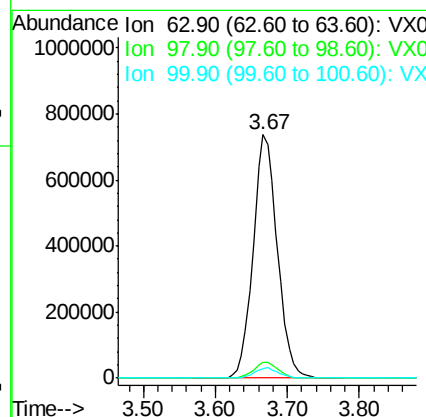
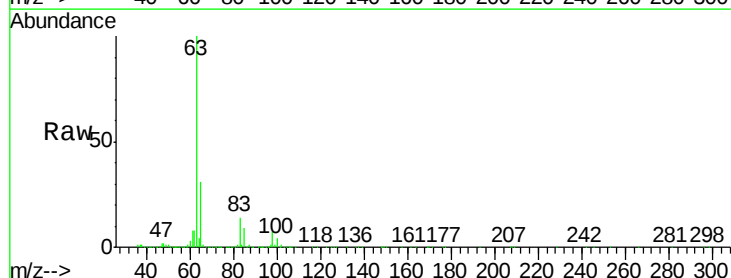
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

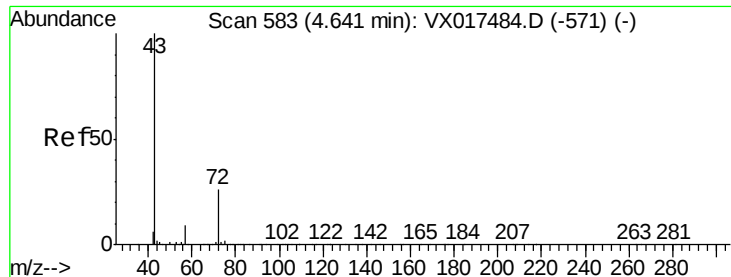
Tgt Ion: 43 Resp:13786553  
 Ion Ratio Lower Upper  
 43 100  
 86 10.3 8.0 12.0



#24  
 1,1-Dichloroethane  
 Concen: 158.850 ug/l  
 RT: 3.67 min Scan# 423  
 Delta R.T. -0.01 min  
 Lab File: VX017486.D  
 Acq: 23 Jul 2020 12:00

Tgt Ion: 63 Resp: 1714533  
 Ion Ratio Lower Upper  
 63 100  
 98 6.7 3.2 9.6  
 100 3.8 2.1 6.5





#25

2-Butanone

Concen: 792.676 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

Instrument :

MSVOA\_X

ClientSampleId :

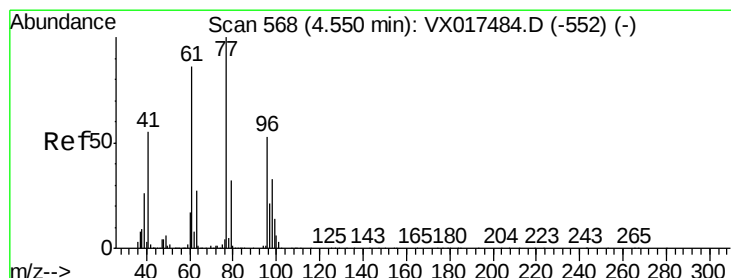
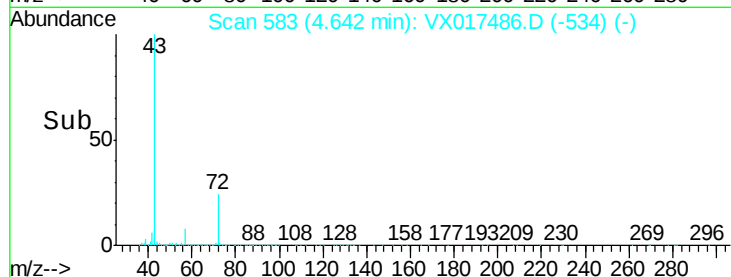
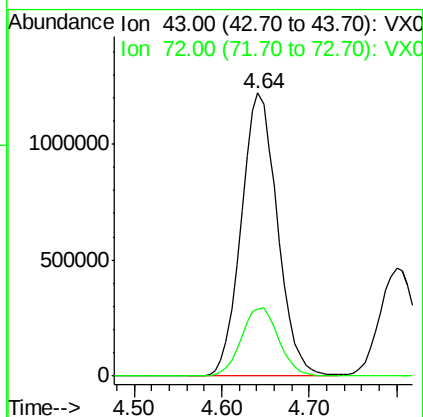
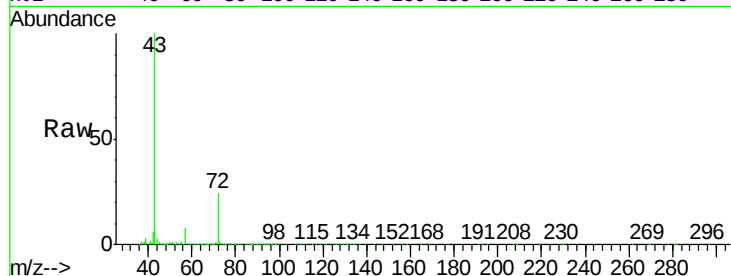
VSTDIC150

Tgt Ion: 43 Resp: 3497101

Ion Ratio Lower Upper

43 100

72 23.7 21.0 31.4



#26

2,2-Dichloropropane

Concen: 144.582 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.00 min

Lab File: VX017486.D

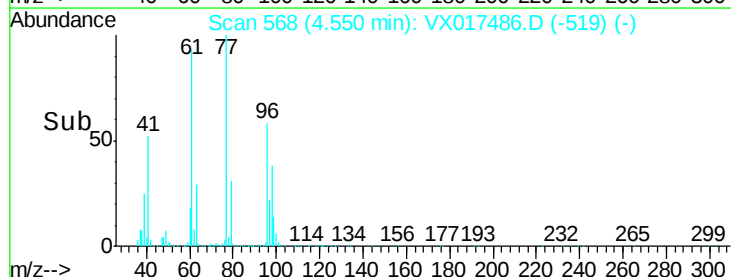
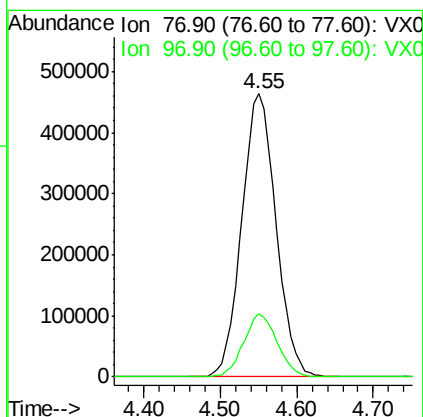
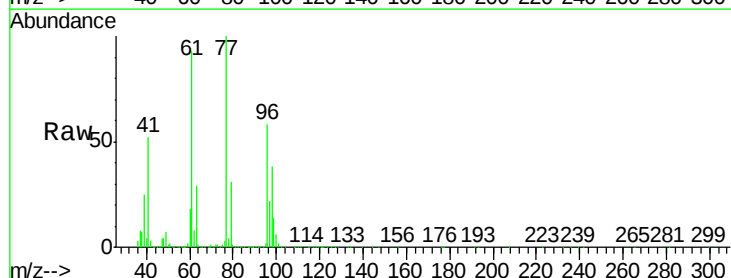
Acq: 23 Jul 2020 12:00

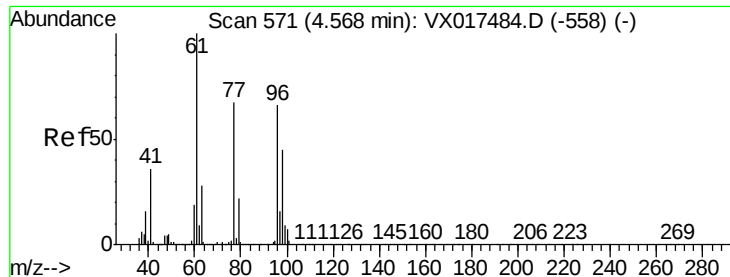
Tgt Ion: 77 Resp: 1443723

Ion Ratio Lower Upper

77 100

97 21.9 11.1 33.3



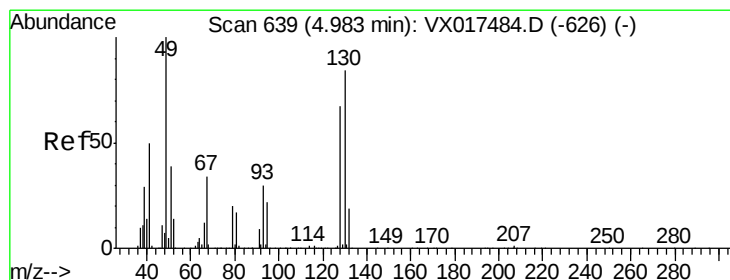
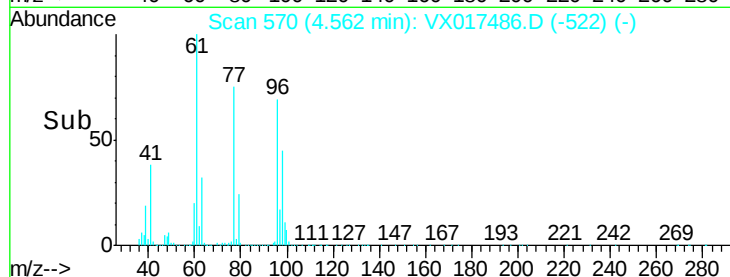
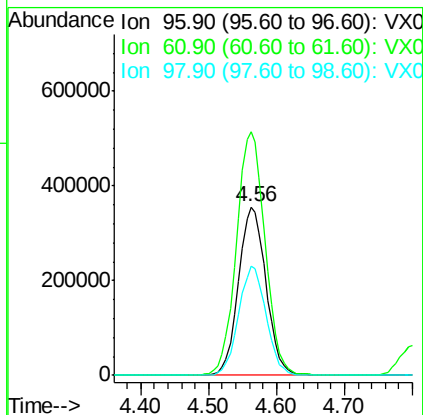
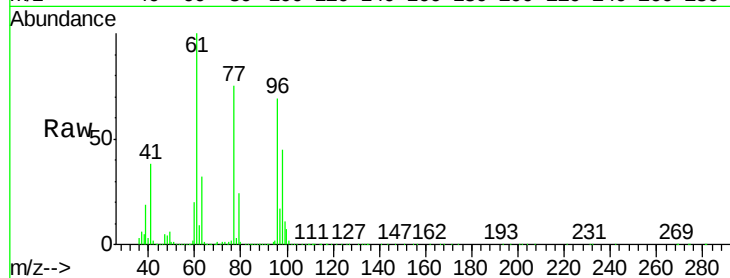


#27

cis-1,2-Dichloroethene  
Concen: 144.047 ug/l  
RT: 4.56 min Scan# 570  
Delta R.T. -0.01 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

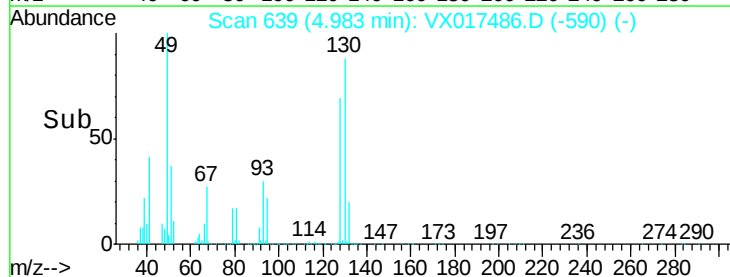
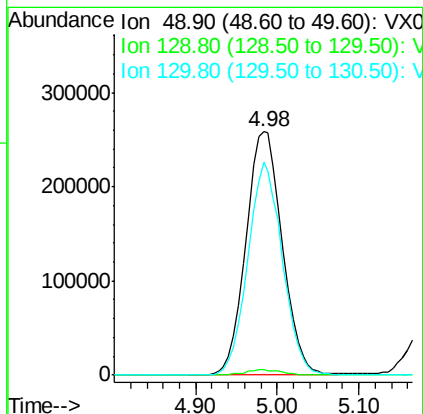
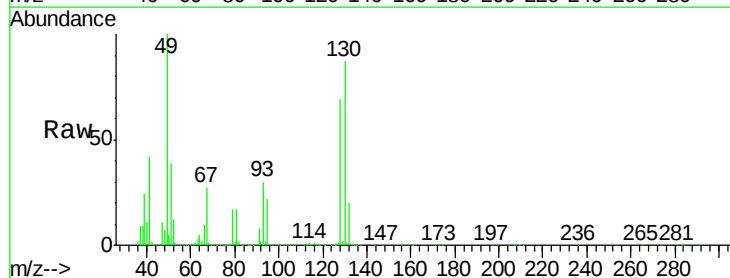
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 150.6 | 0.0   | 299.2 |
| 98      | 65.0  | 0.0   | 127.6 |

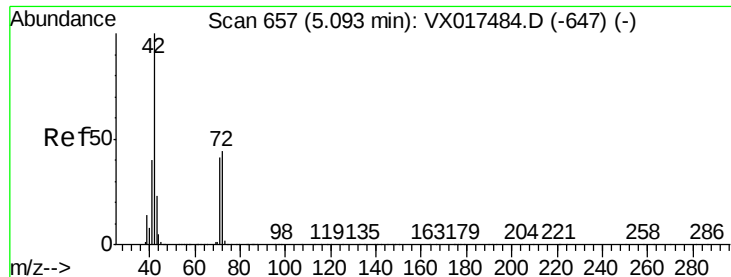


#28

Bromochloromethane  
Concen: 160.580 ug/l  
RT: 4.98 min Scan# 639  
Delta R.T. 0.00 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.3   | 0.0   | 4.4   |
| 130     | 83.4  | 68.0  | 102.0 |





#29

Tetrahydrofuran

Concen: 785.416 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

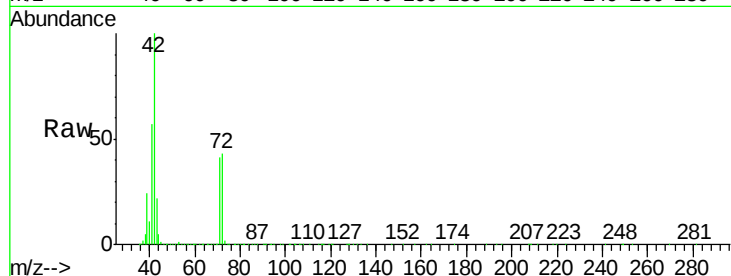
Tgt Ion: 42 Resp: 2234789

Ion Ratio Lower Upper

42 100

72 44.4 34.1 51.1

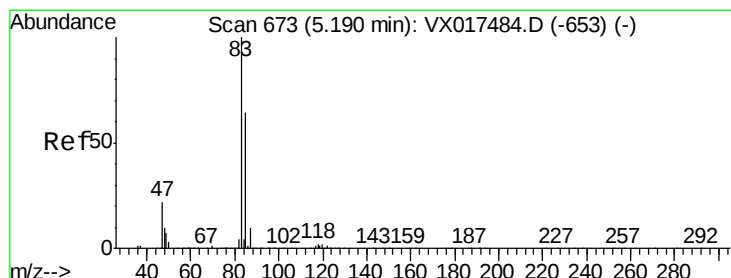
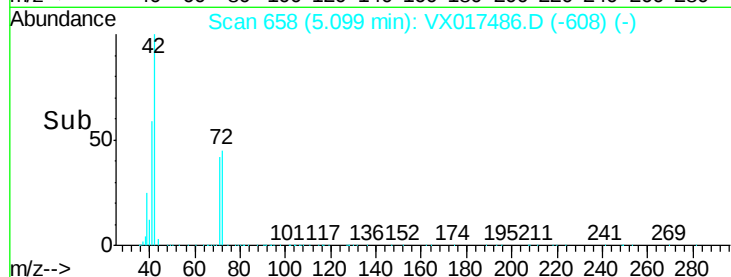
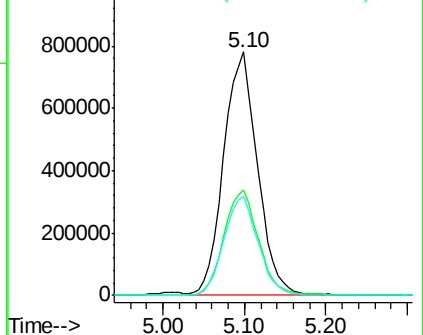
71 41.2 32.3 48.5



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 151.809 ug/l

RT: 5.18 min Scan# 671

Delta R.T. -0.01 min

Lab File: VX017486.D

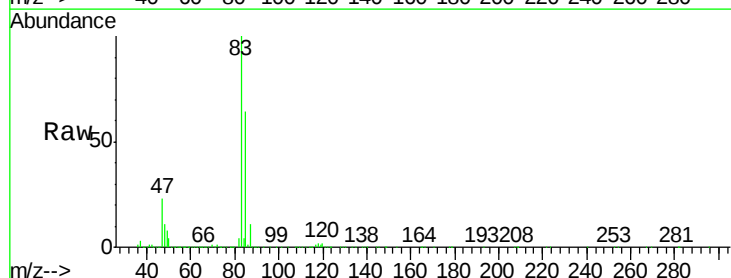
Acq: 23 Jul 2020 12:00

Tgt Ion: 83 Resp: 1750943

Ion Ratio Lower Upper

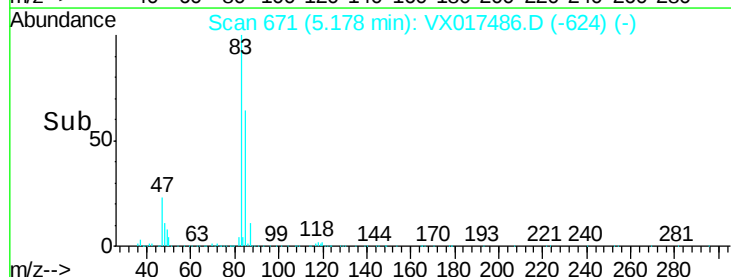
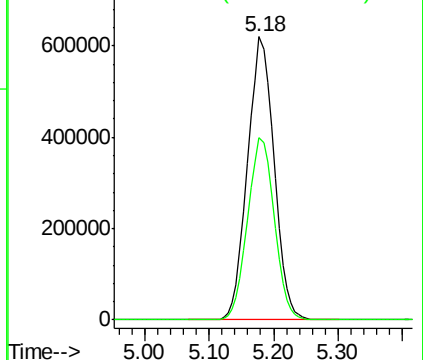
83 100

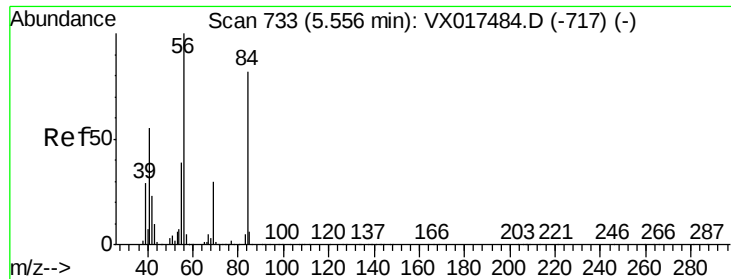
85 64.3 51.4 77.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

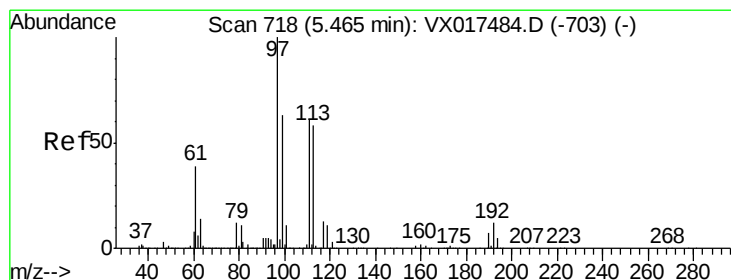
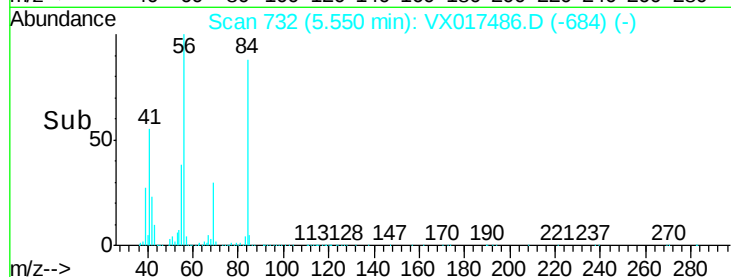
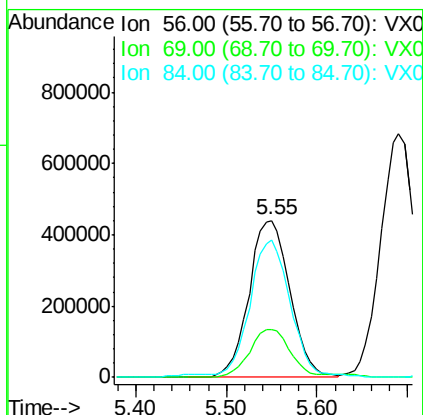
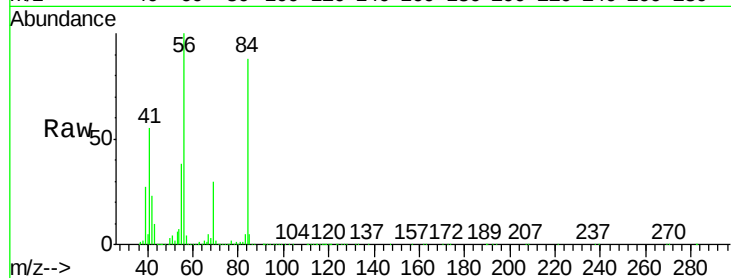




#31  
Cyclohexane  
Concen: 156.887 ug/l  
RT: 5.55 min Scan# 732  
Delta R.T. -0.01 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

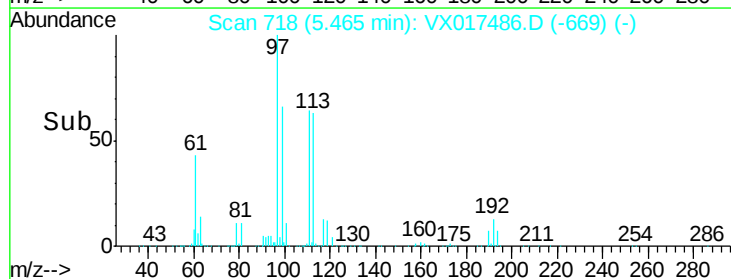
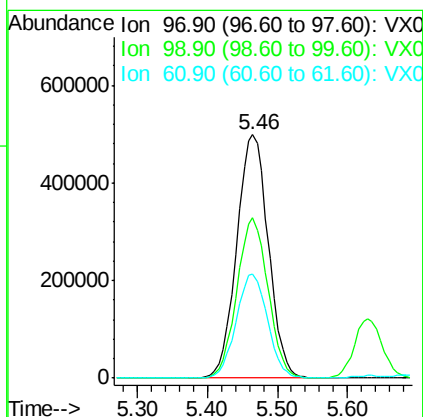
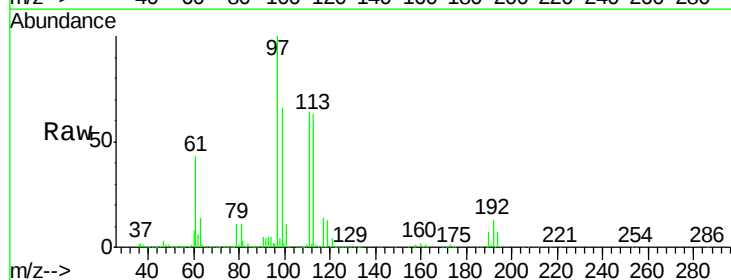
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

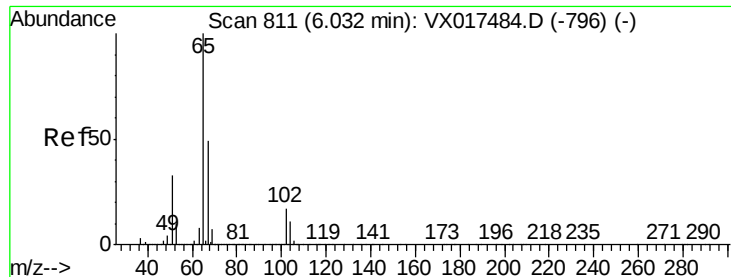
Tgt Ion: 56 Resp: 1376090  
Ion Ratio Lower Upper  
56 100  
69 30.3 24.1 36.1  
84 86.3 65.8 98.8



#32  
1,1,1-Trichloroethane  
Concen: 146.289 ug/l  
RT: 5.46 min Scan# 718  
Delta R.T. 0.00 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

Tgt Ion: 97 Resp: 1560409  
Ion Ratio Lower Upper  
97 100  
99 64.9 51.1 76.7  
61 42.6 33.4 50.0

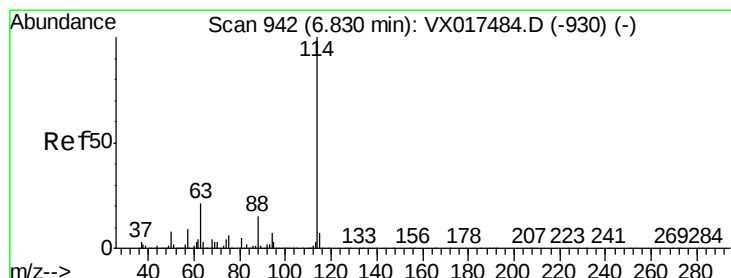
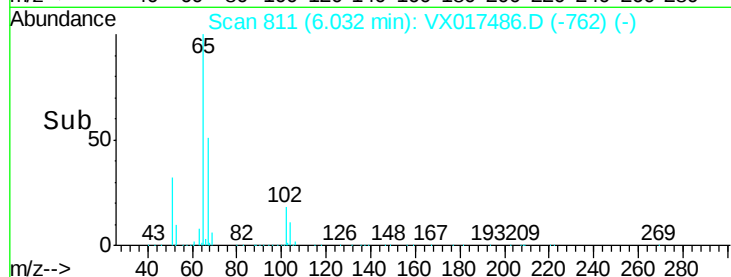
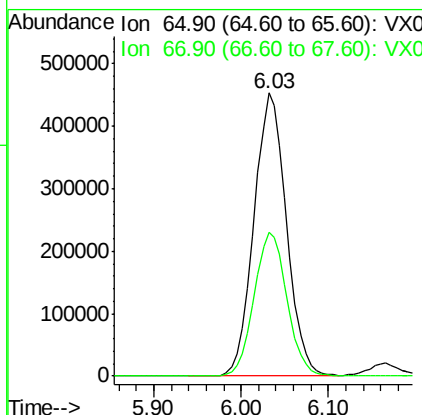
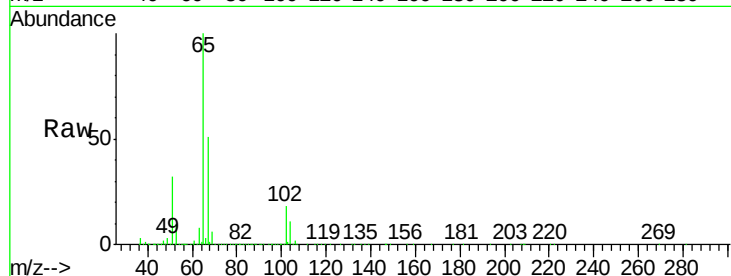




#33  
 1,2-Dichloroethane-d4  
 Concen: 151.591 ug/l  
 RT: 6.03 min Scan# 811  
 Delta R.T. 0.00 min  
 Lab File: VX017486.D  
 Acq: 23 Jul 2020 12:00

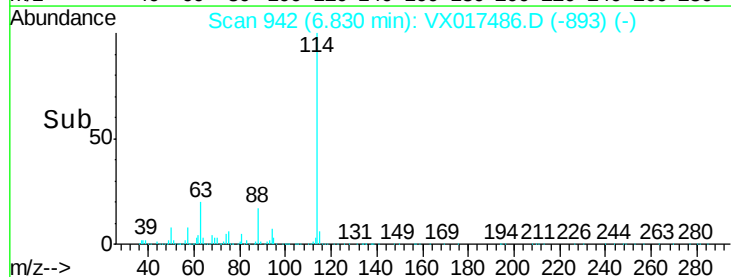
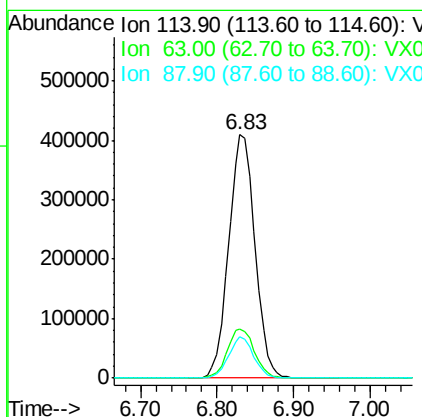
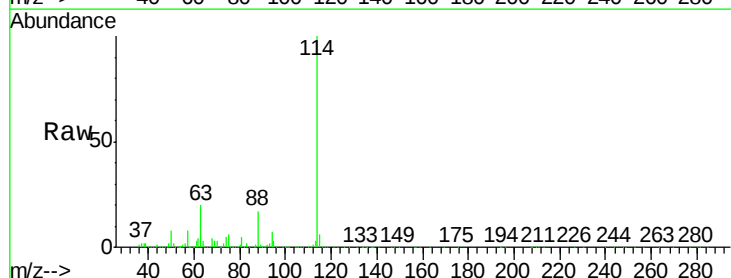
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

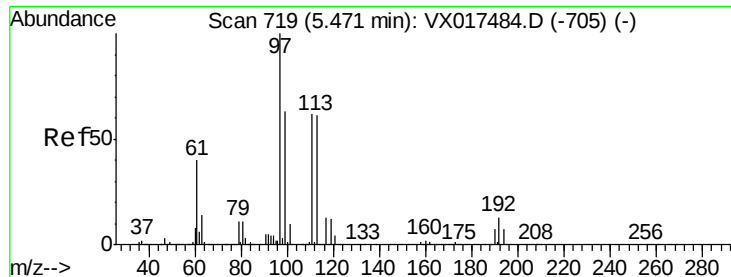
Tgt Ion: 65 Resp: 1173368  
 Ion Ratio Lower Upper  
 65 100  
 67 51.4 0.0 101.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.83 min Scan# 942  
 Delta R.T. 0.00 min  
 Lab File: VX017486.D  
 Acq: 23 Jul 2020 12:00

Tgt Ion: 114 Resp: 970130  
 Ion Ratio Lower Upper  
 114 100  
 63 20.3 0.0 41.2  
 88 16.7 0.0 30.6

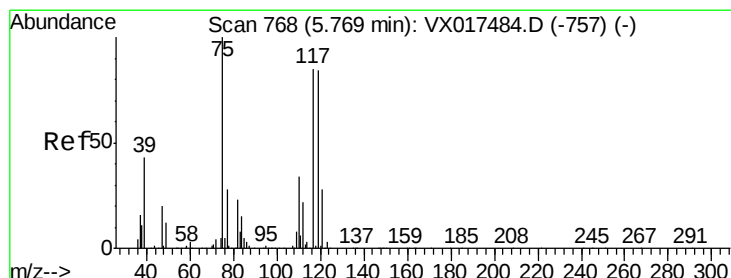
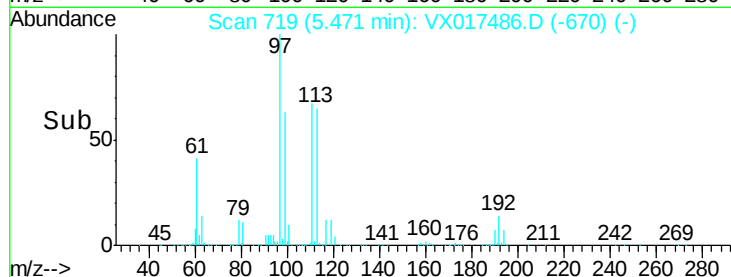
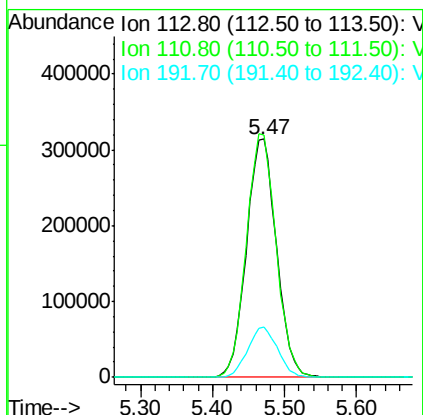
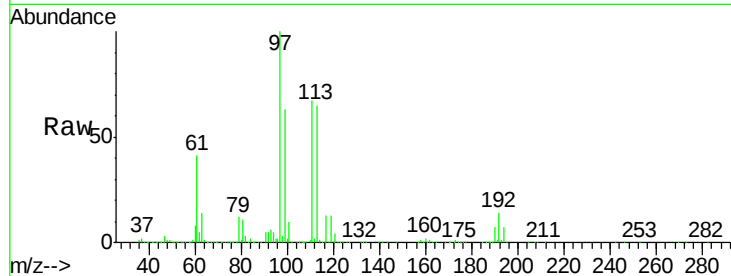




#35  
 Dibromofluoromethane  
 Concen: 138.346 ug/l  
 RT: 5.47 min Scan# 719  
 Delta R.T. 0.00 min  
 Lab File: VX017486.D  
 Acq: 23 Jul 2020 12:00

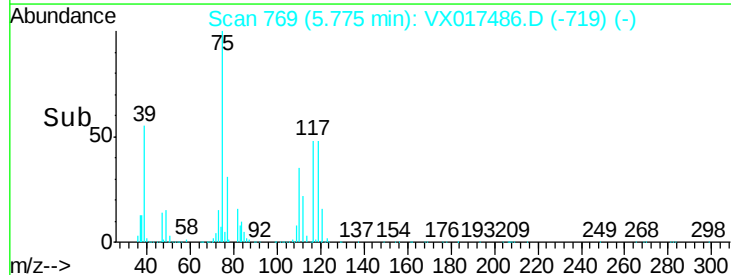
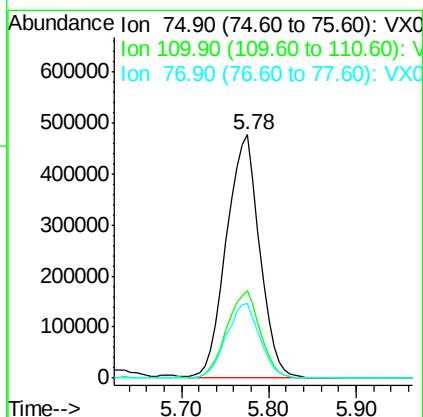
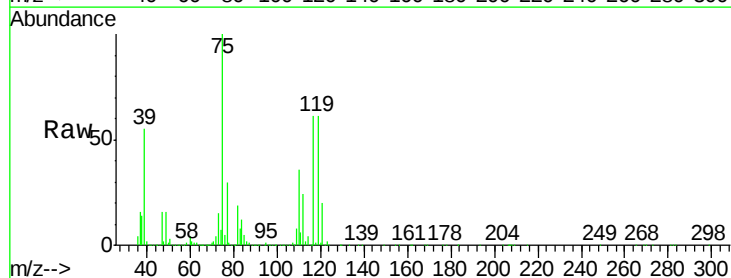
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

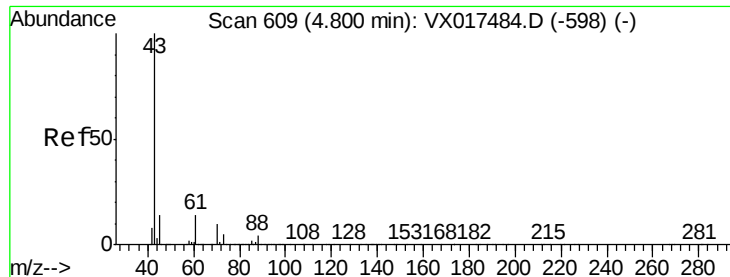
Tgt Ion:113 Resp: 910565  
 Ion Ratio Lower Upper  
 113 100  
 111 100.9 82.2 123.2  
 192 21.1 17.0 25.4



#36  
 1,1-Dichloropropene  
 Concen: 141.496 ug/l  
 RT: 5.78 min Scan# 769  
 Delta R.T. 0.01 min  
 Lab File: VX017486.D  
 Acq: 23 Jul 2020 12:00

Tgt Ion: 75 Resp: 1258171  
 Ion Ratio Lower Upper  
 75 100  
 110 36.2 18.1 54.3  
 77 30.8 24.5 36.7

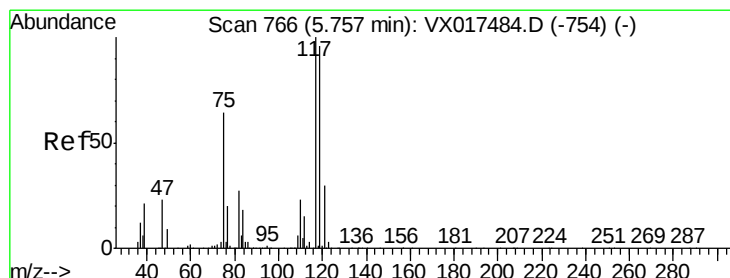
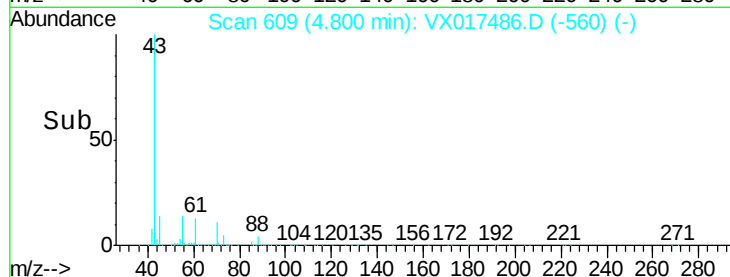
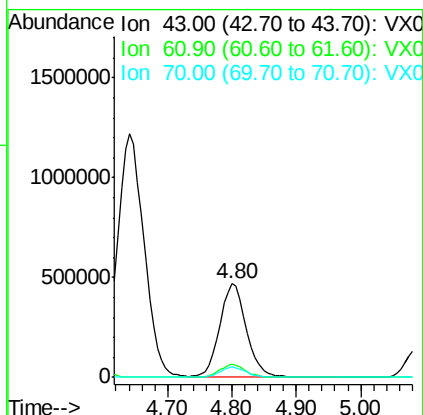
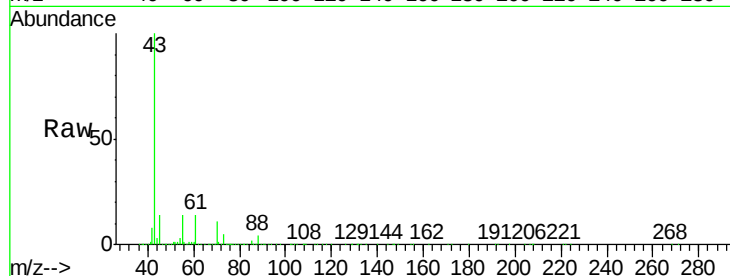




#37  
Ethyl Acetate  
Concen: 143.666 ug/l  
RT: 4.80 min Scan# 609  
Delta R.T. 0.00 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

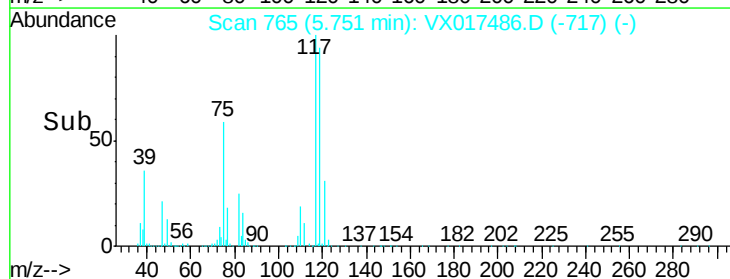
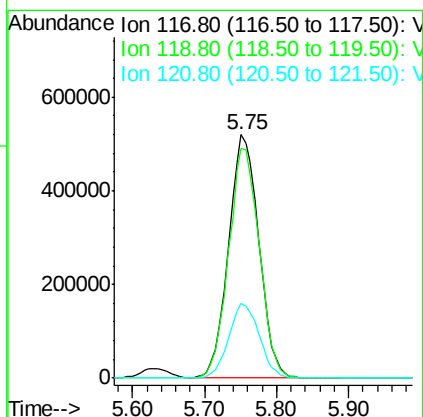
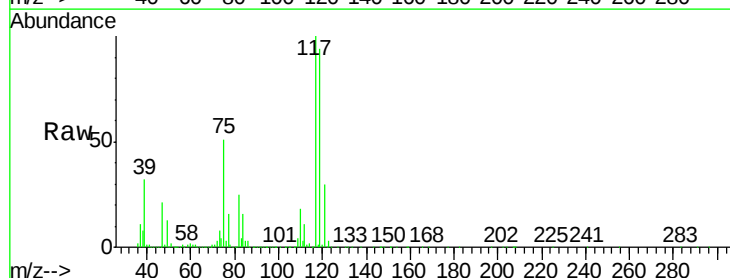
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

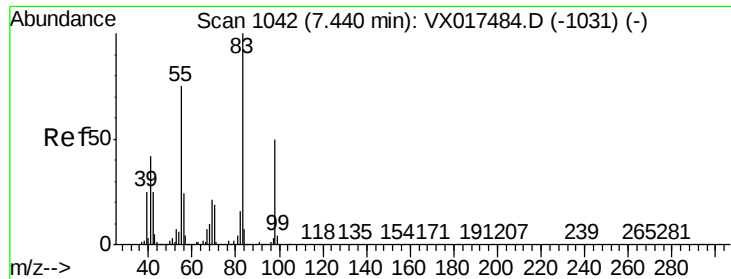
Tgt Ion: 43 Resp: 1364105  
Ion Ratio Lower Upper  
43 100  
61 13.4 11.0 16.4  
70 10.6 8.4 12.6



#38  
Carbon Tetrachloride  
Concen: 145.188 ug/l  
RT: 5.75 min Scan# 765  
Delta R.T. -0.01 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

Tgt Ion: 117 Resp: 1516754  
Ion Ratio Lower Upper  
117 100  
119 94.2 76.7 115.1  
121 30.4 24.2 36.2

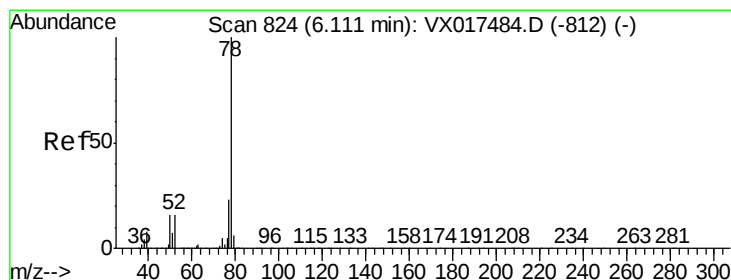
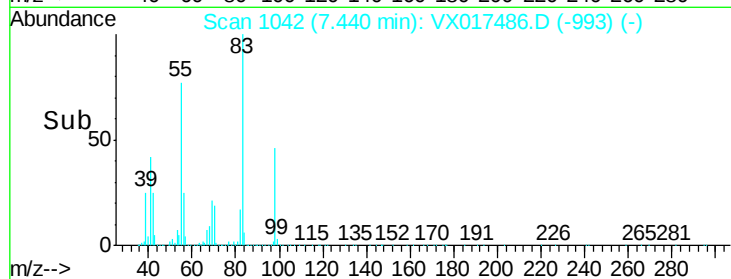
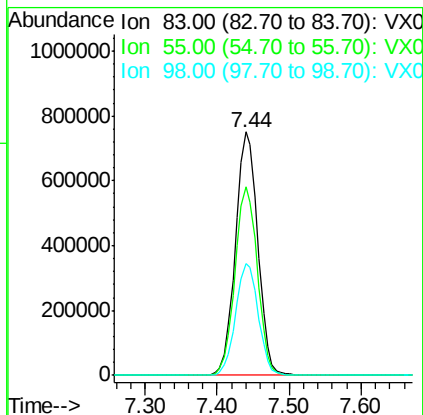
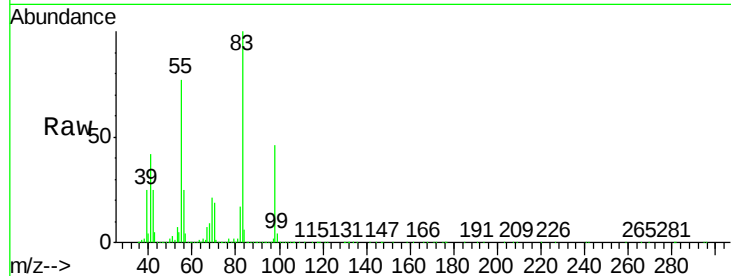




#39  
Methylcyclohexane  
Concen: 167.121 ug/l  
RT: 7.44 min Scan# 1042  
Delta R.T. 0.00 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

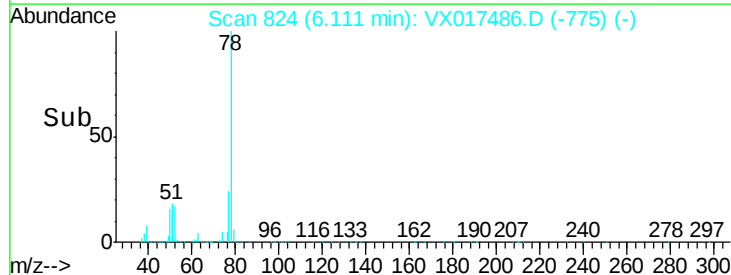
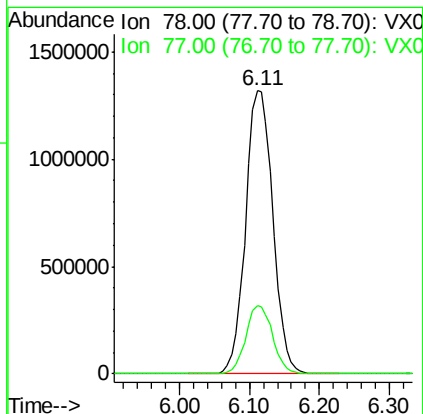
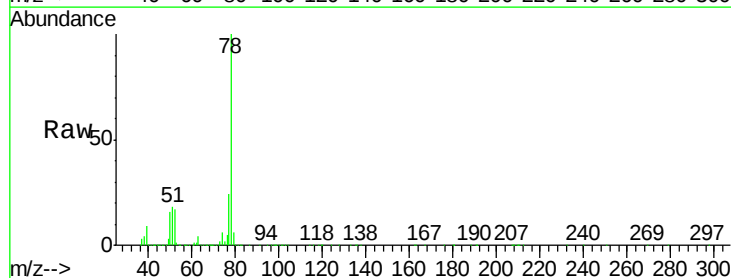
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

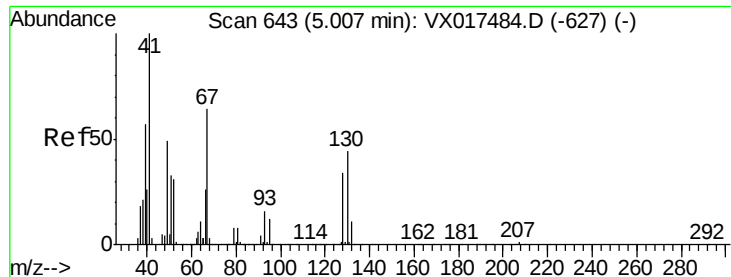
Tgt Ion: 83 Resp: 1616331  
Ion Ratio Lower Upper  
83 100  
55 77.3 60.2 90.2  
98 46.1 39.8 59.6



#40  
Benzene  
Concen: 138.777 ug/l  
RT: 6.11 min Scan# 824  
Delta R.T. 0.00 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

Tgt Ion: 78 Resp: 3558996  
Ion Ratio Lower Upper  
78 100  
77 24.3 18.2 27.4

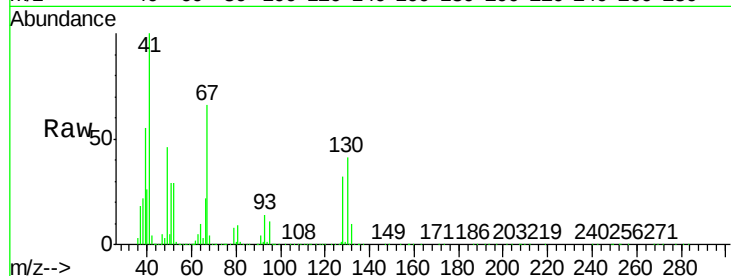




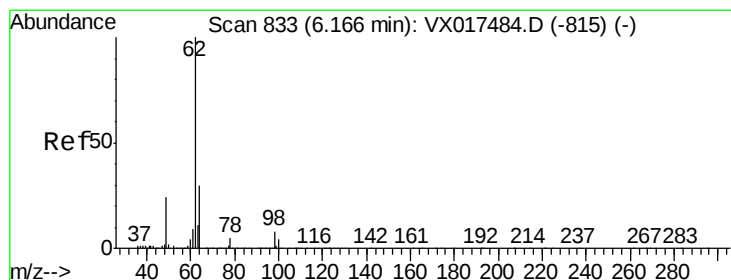
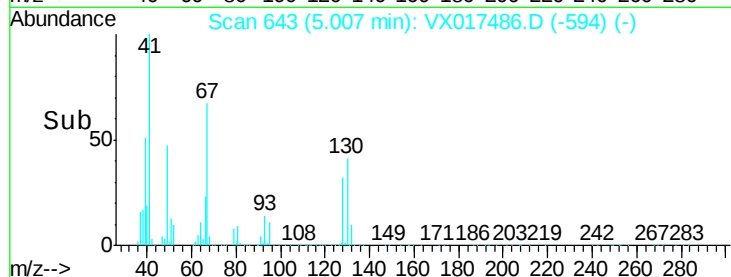
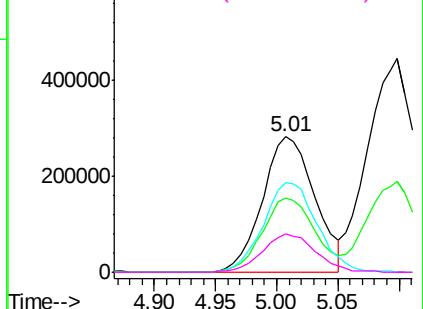
#41  
Methacrylonitrile  
Concen: 165.282 ug/l  
RT: 5.01 min Scan# 643  
Delta R.T. 0.00 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 838314 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 54.9  | 44.0  | 66.0   |
| 67       | 67.5  | 55.0  | 82.4   |
| 52       | 28.8  | 22.3  | 33.5   |

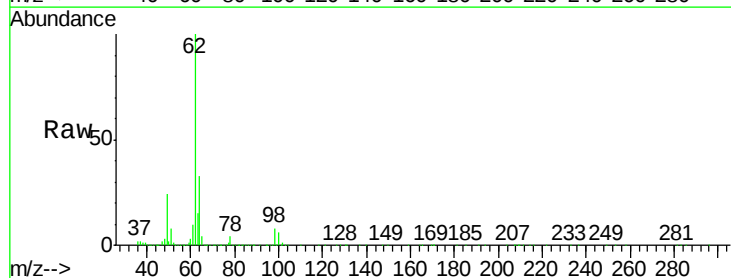


Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0  
Ion 67.00 (66.70 to 67.70): VX0  
Ion 52.00 (51.70 to 52.70): VX0

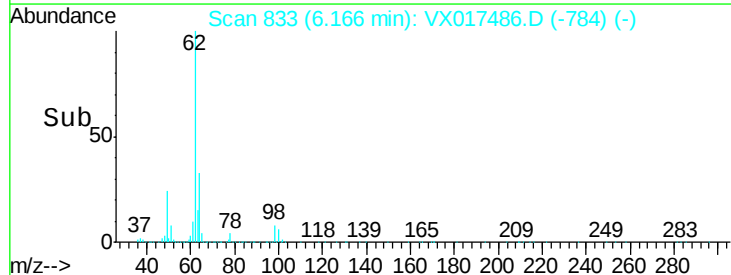
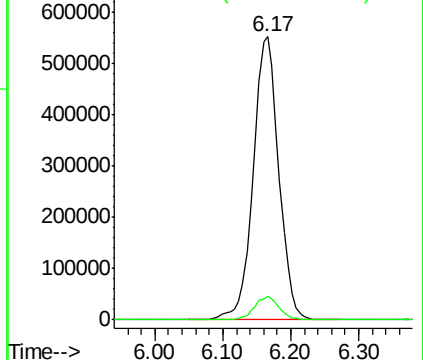


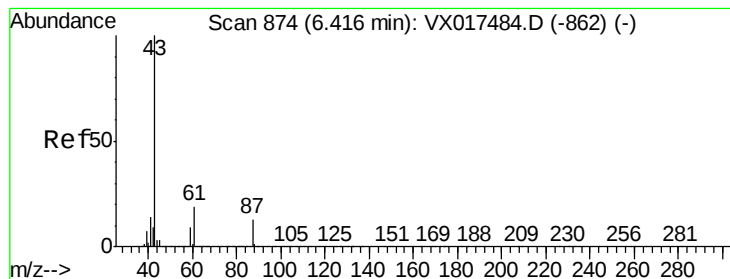
#42  
1,2-Dichloroethane  
Concen: 143.346 ug/l  
RT: 6.17 min Scan# 833  
Delta R.T. 0.00 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 62    | Resp: | 1444839 |
| Ion      | Ratio | Lower | Upper   |
| 62       | 100   |       |         |
| 98       | 8.0   | 0.0   | 15.6    |



Abundance Ion 61.90 (61.60 to 62.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 151.608 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.00 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

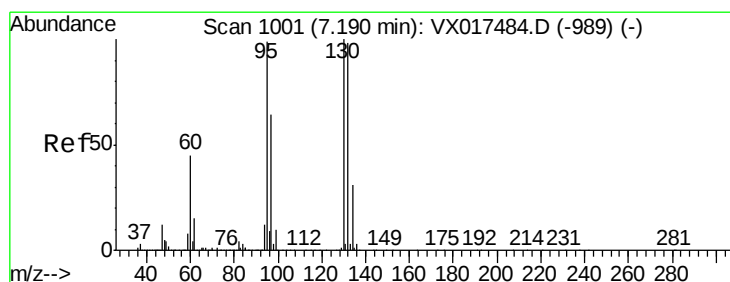
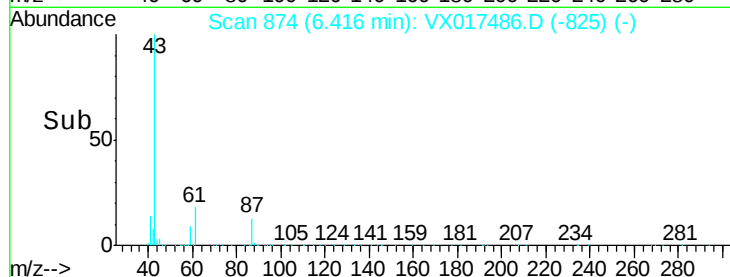
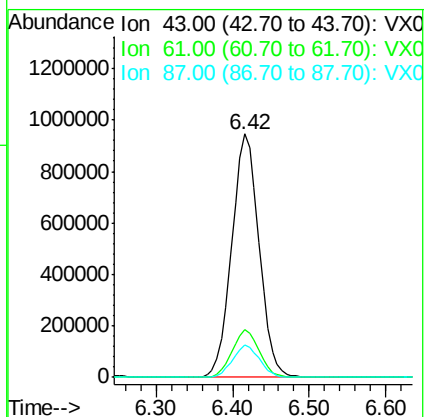
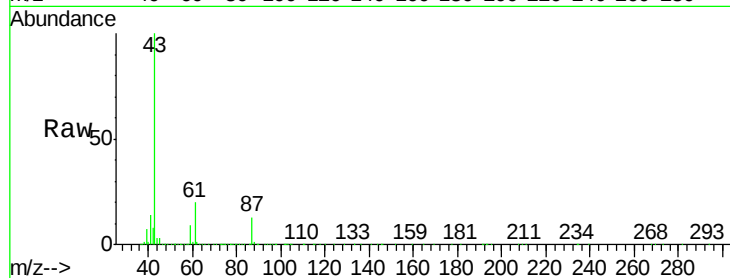
Tgt Ion: 43 Resp: 2329747

Ion Ratio Lower Upper

43 100

61 19.4 15.6 23.4

87 13.1 10.4 15.6



#44

Trichloroethene

Concen: 148.960 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017486.D

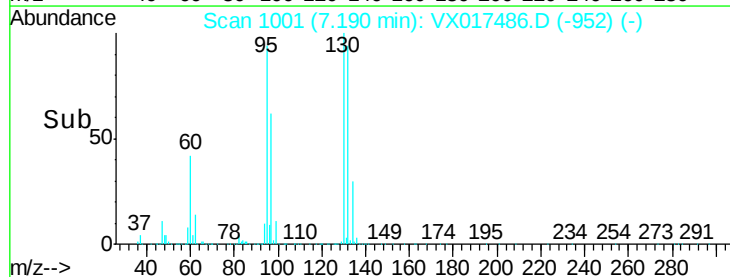
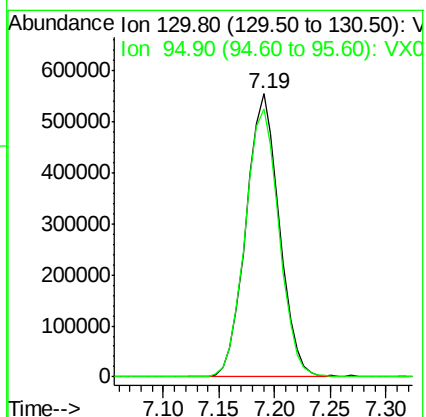
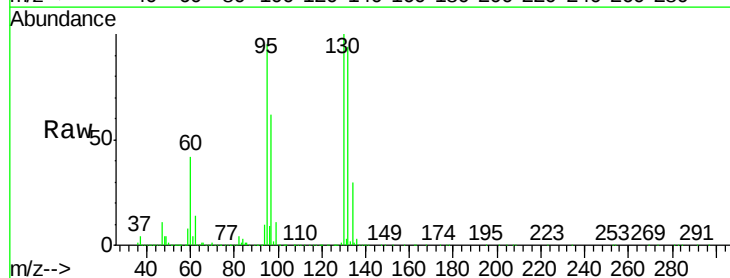
Acq: 23 Jul 2020 12:00

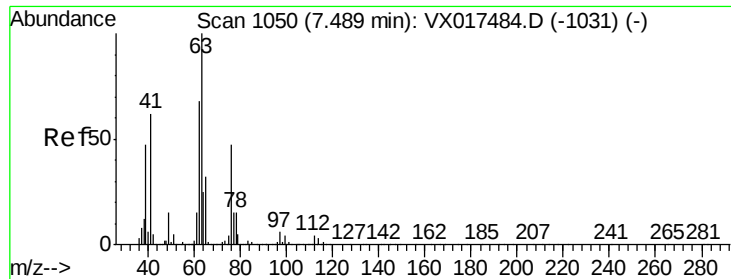
Tgt Ion: 130 Resp: 1155687

Ion Ratio Lower Upper

130 100

95 94.5 0.0 198.4





#45

1,2-Dichloropropane

Concen: 161.564 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

Instrument :

MSVOA\_X

ClientSampleId :

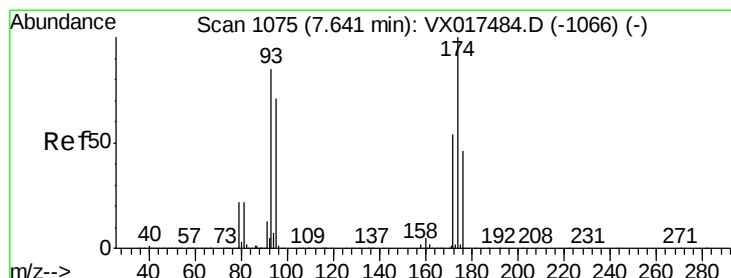
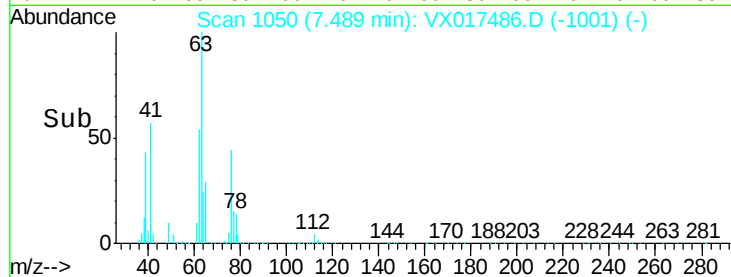
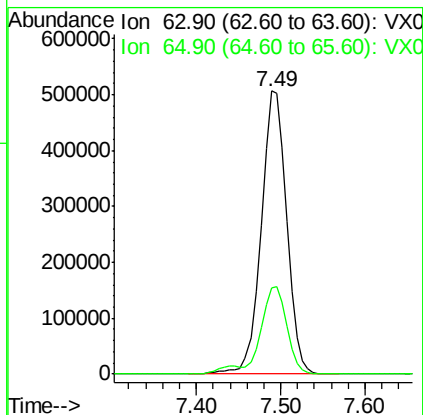
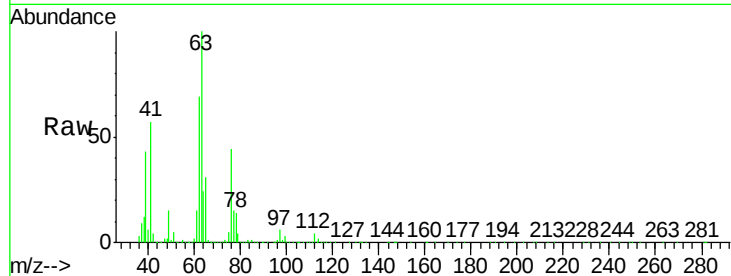
VSTDIC150

Tgt Ion: 63 Resp: 1060453

Ion Ratio Lower Upper

63 100

65 30.6 25.4 38.2



#46

Dibromomethane

Concen: 157.599 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

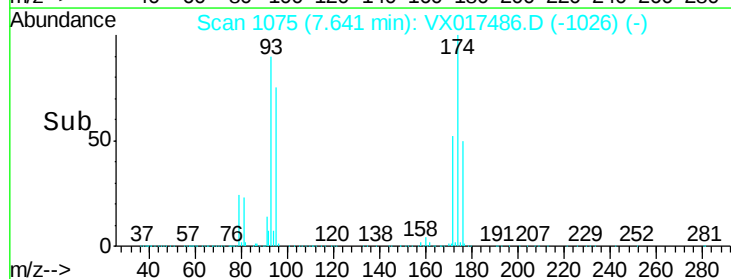
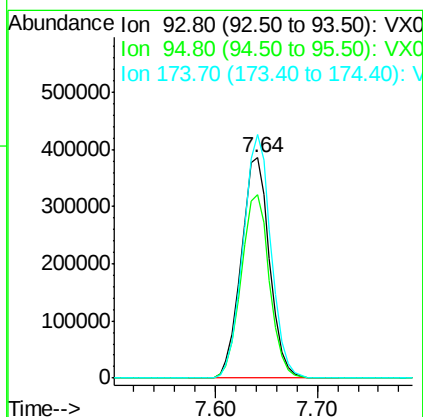
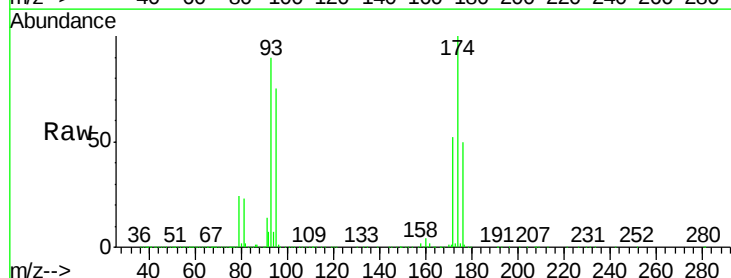
Tgt Ion: 93 Resp: 744775

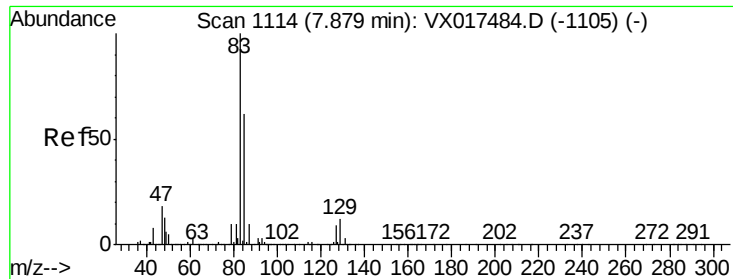
Ion Ratio Lower Upper

93 100

95 83.2 65.7 98.5

174 108.8 91.8 137.8





#47

Bromodichloromethane

Concen: 158.013 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

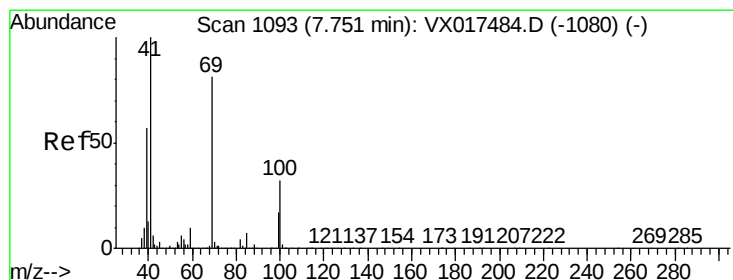
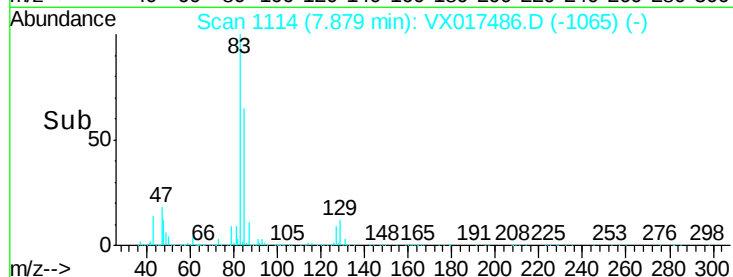
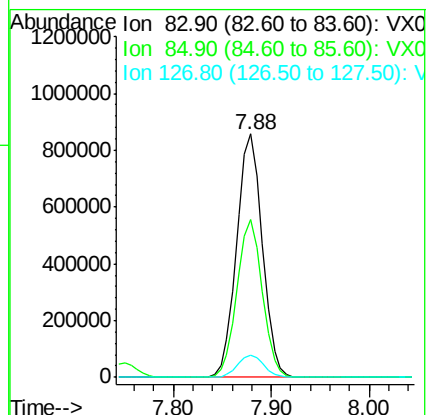
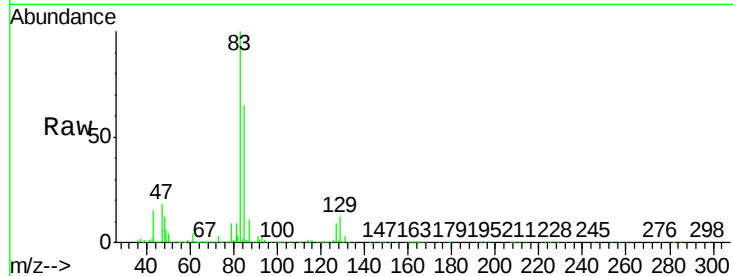
Tgt Ion: 83 Resp: 1560644

Ion Ratio Lower Upper

83 100

85 64.8 49.6 74.4

127 9.3 7.4 11.2



#48

Methyl methacrylate

Concen: 184.604 ug/l

RT: 7.75 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

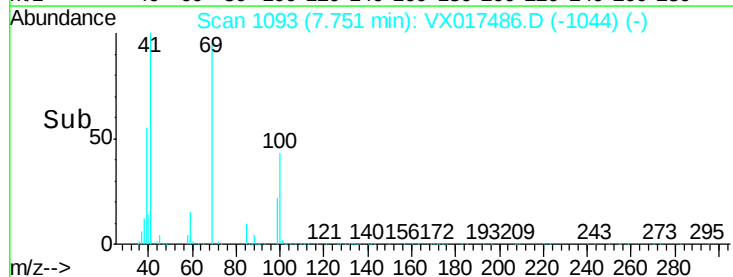
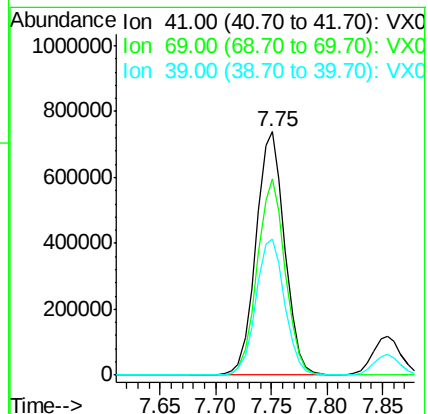
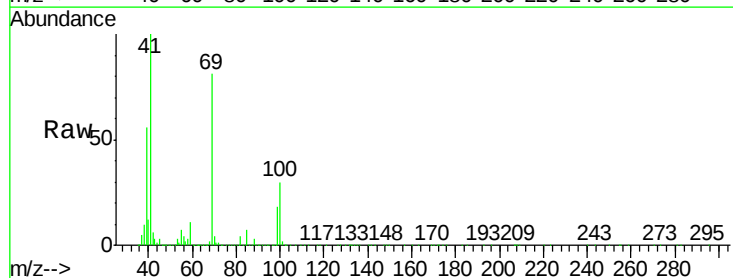
Tgt Ion: 41 Resp: 1324380

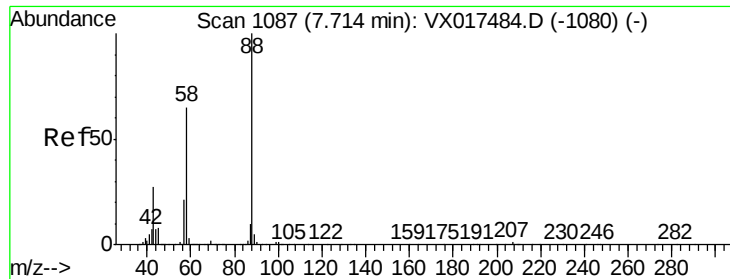
Ion Ratio Lower Upper

41 100

69 78.9 64.3 96.5

39 56.4 46.8 70.2





#49

1,4-Dioxane

Concen: 3489.685 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

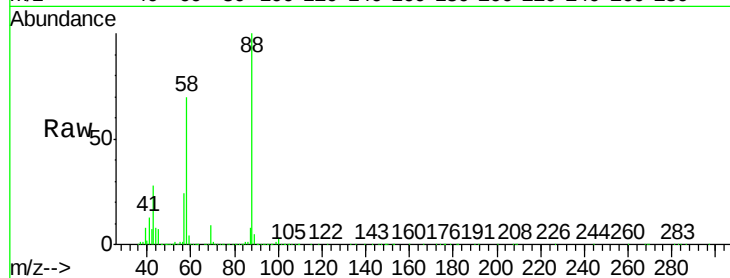
Tgt Ion: 88 Resp: 504397

Ion Ratio Lower Upper

88 100

43 34.7 27.3 40.9

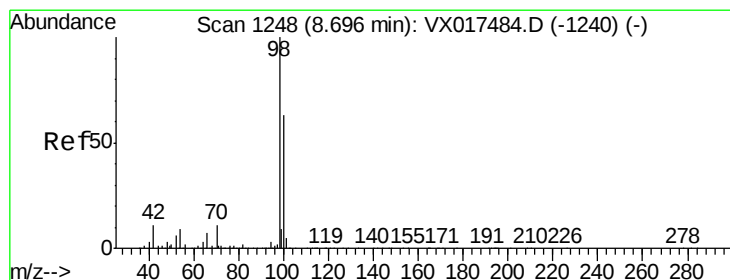
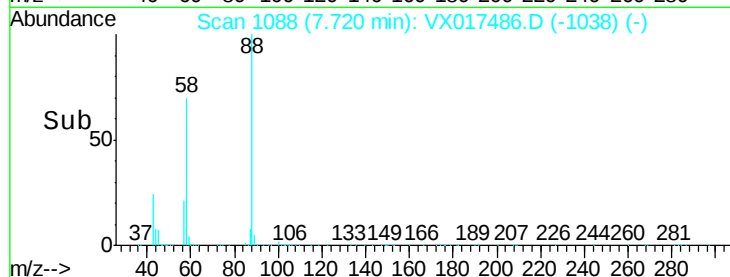
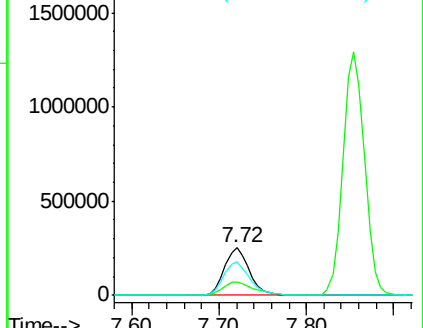
58 72.9 55.5 83.3



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 144.914 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017486.D

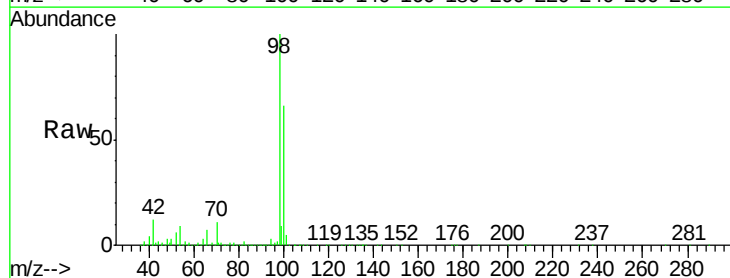
Acq: 23 Jul 2020 12:00

Tgt Ion: 98 Resp: 3422588

Ion Ratio Lower Upper

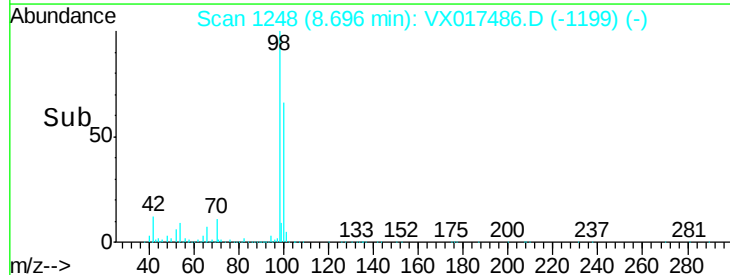
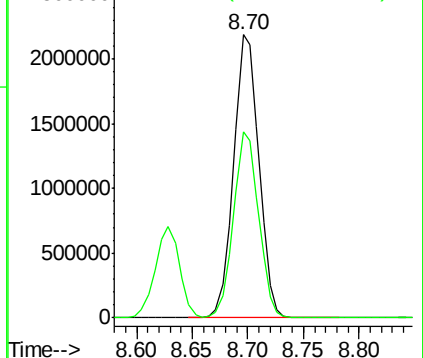
98 100

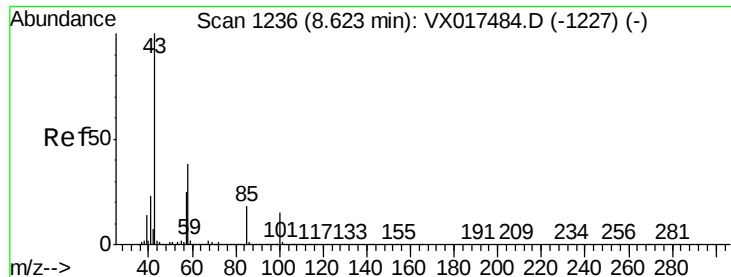
100 65.4 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

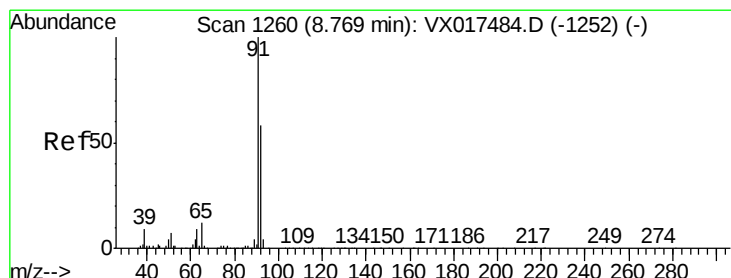
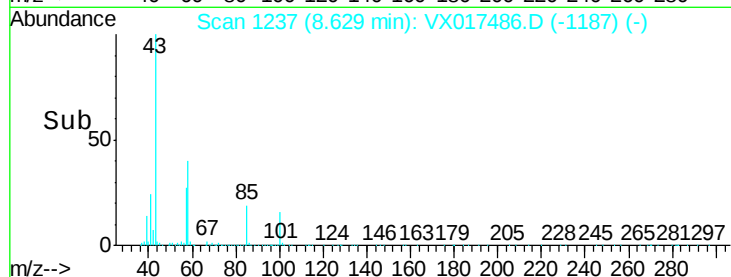
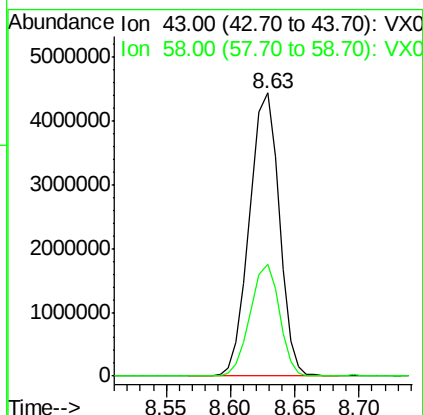
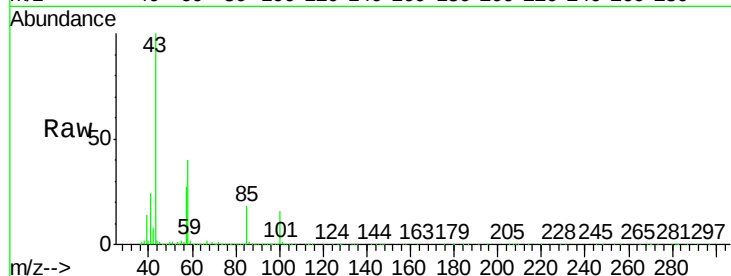




#51  
 4-Methyl-2-Pentanone  
 Concen: 771.739 ug/l  
 RT: 8.63 min Scan# 1237  
 Delta R.T. 0.01 min  
 Lab File: VX017486.D  
 Acq: 23 Jul 2020 12:00

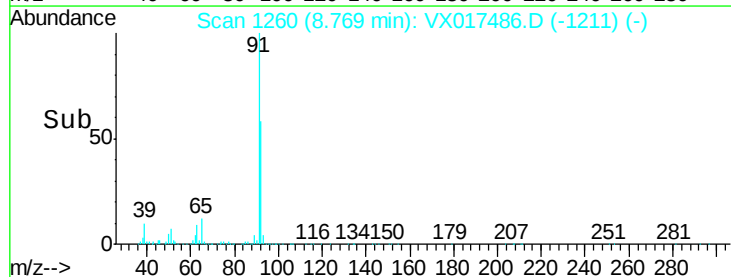
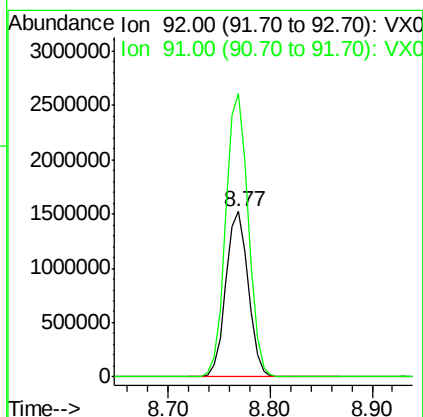
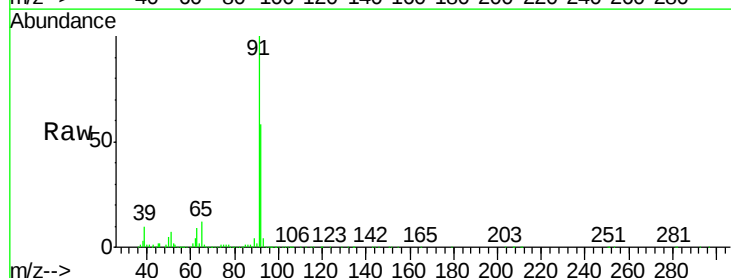
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

Tgt Ion: 43 Resp: 7088677  
 Ion Ratio Lower Upper  
 43 100  
 58 38.7 30.6 46.0



#52  
 Toluene  
 Concen: 141.064 ug/l  
 RT: 8.77 min Scan# 1260  
 Delta R.T. 0.00 min  
 Lab File: VX017486.D  
 Acq: 23 Jul 2020 12:00

Tgt Ion: 92 Resp: 2305266  
 Ion Ratio Lower Upper  
 92 100  
 91 172.0 138.5 207.7

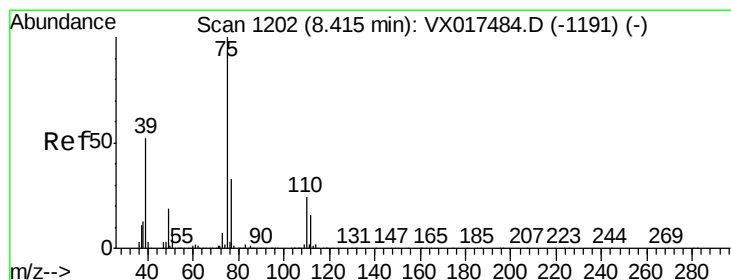
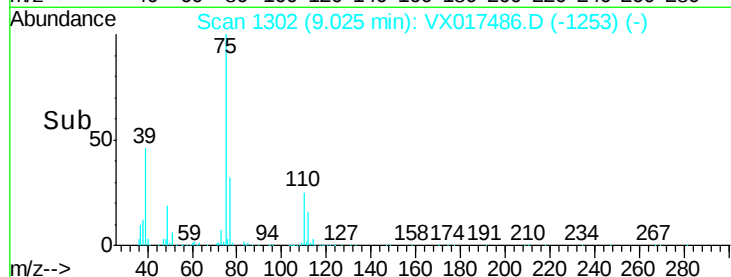
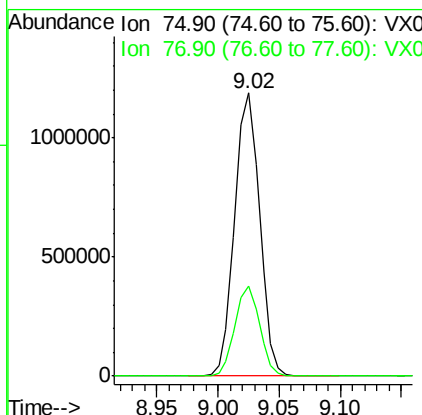
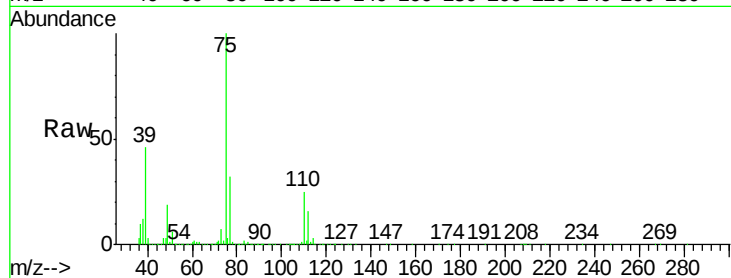




#53  
t-1,3-Dichloropropene  
Concen: 155.574 ug/l  
RT: 9.02 min Scan# 1302  
Delta R.T. 0.00 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

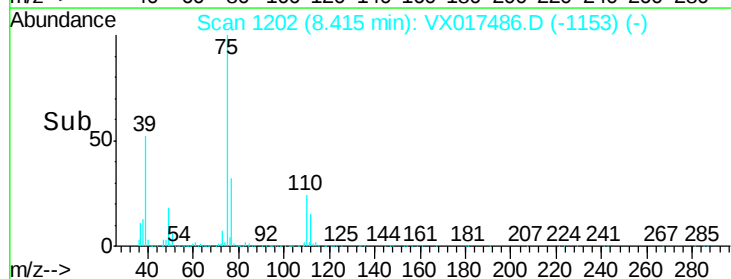
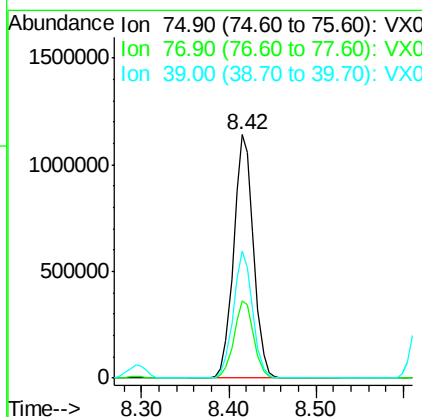
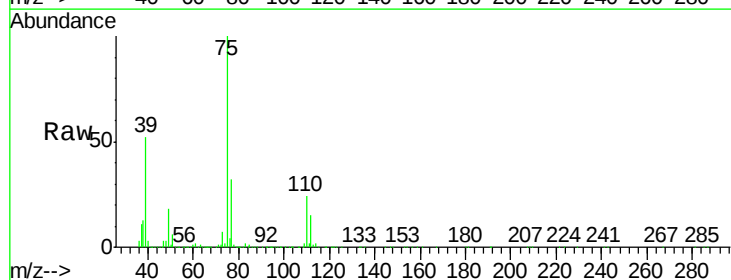
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tgt Ion: 75 Resp: 1681422  
Ion Ratio Lower Upper  
75 100  
77 31.9 25.4 38.2



#54  
cis-1,3-Dichloropropene  
Concen: 158.654 ug/l  
RT: 8.42 min Scan# 1202  
Delta R.T. 0.00 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

Tgt Ion: 75 Resp: 1802260  
Ion Ratio Lower Upper  
75 100  
77 31.9 26.6 39.8  
39 52.3 41.1 61.7

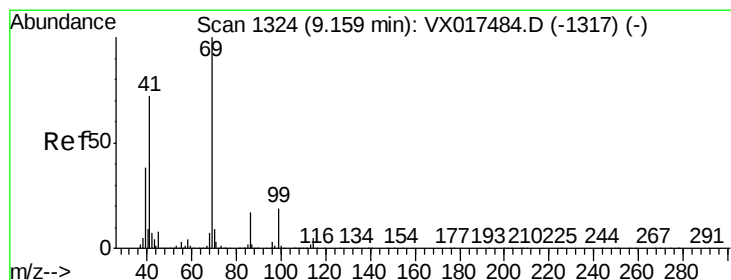
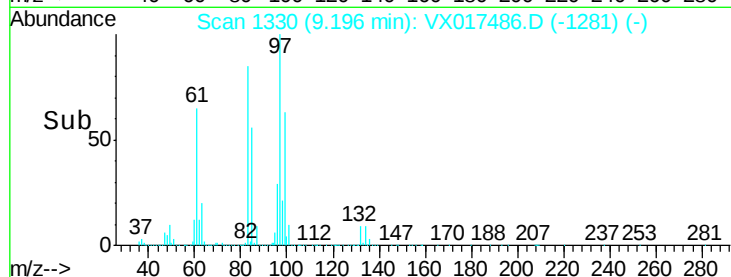
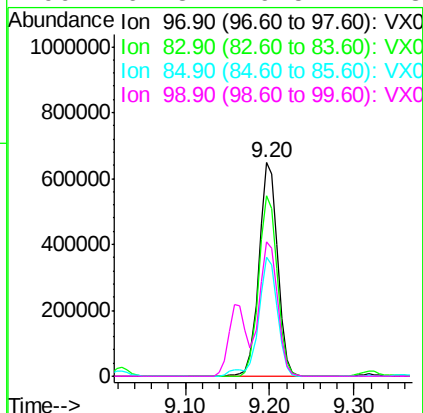
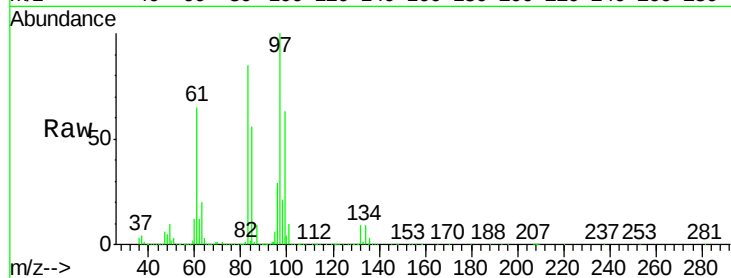




#55  
 1,1,2-Trichloroethane  
 Concen: 142.309 ug/l  
 RT: 9.20 min Scan# 1330  
 Delta R.T. 0.00 min  
 Lab File: VX017486.D  
 Acq: 23 Jul 2020 12:00

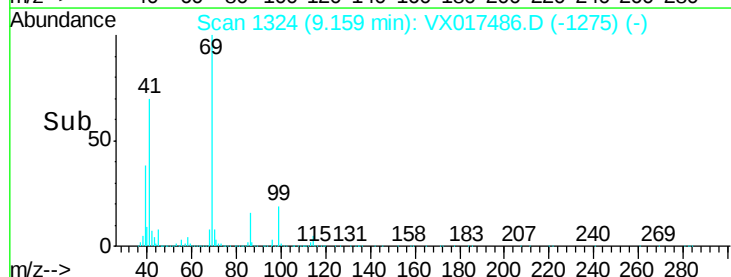
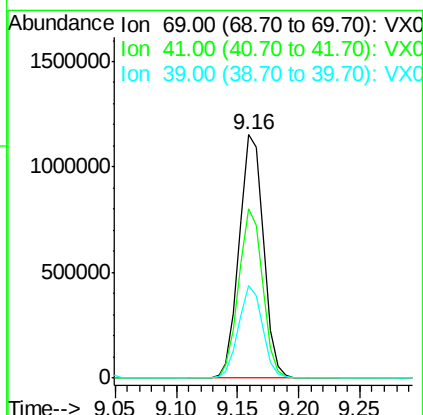
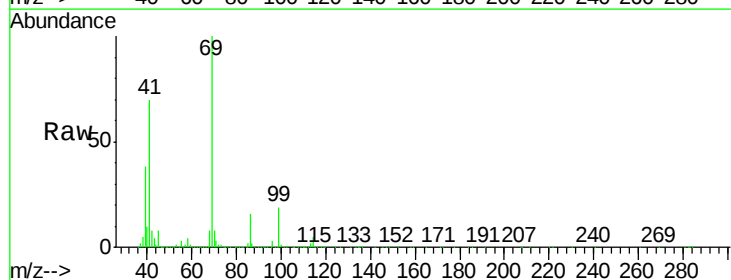
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

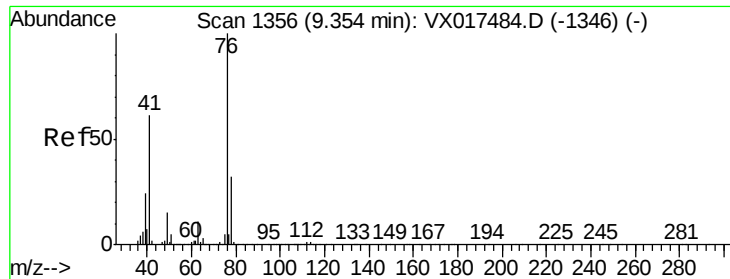
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 980457 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 84.5  | 68.9  | 103.3  |
| 85       | 55.8  | 43.6  | 65.4   |
| 99       | 62.8  | 49.5  | 74.3   |



#56  
 Ethyl methacrylate  
 Concen: 159.255 ug/l  
 RT: 9.16 min Scan# 1324  
 Delta R.T. 0.00 min  
 Lab File: VX017486.D  
 Acq: 23 Jul 2020 12:00

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 69    | Resp: | 1576945 |
| Ion      | Ratio | Lower | Upper   |
| 69       | 100   |       |         |
| 41       | 68.8  | 55.5  | 83.3    |
| 39       | 37.5  | 30.4  | 45.6    |





#57

1,3-Dichloropropane

Concen: 151.581 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

Instrument :

MSVOA\_X

ClientSampleId :

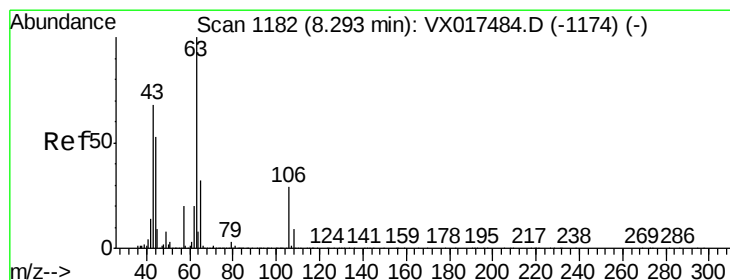
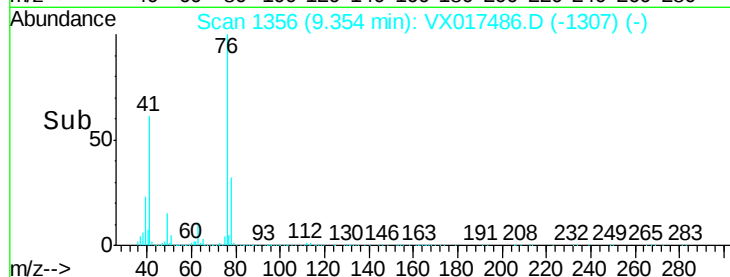
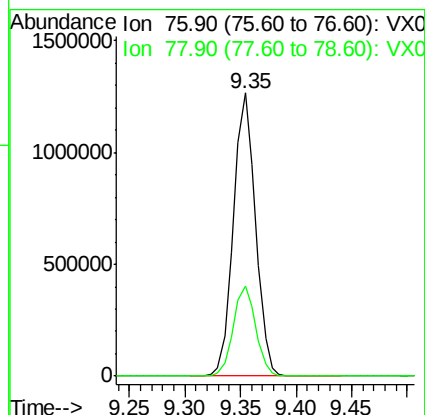
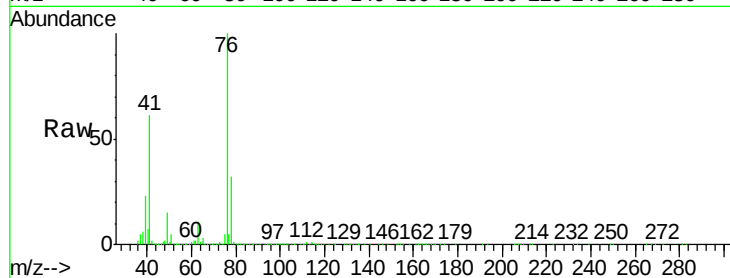
VSTDIC150

Tgt Ion: 76 Resp: 1739603

Ion Ratio Lower Upper

76 100

78 32.3 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 861.921 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX017486.D

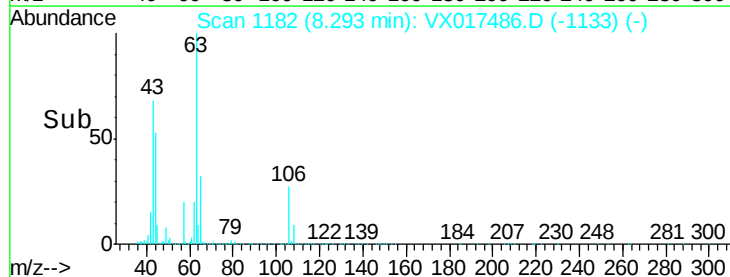
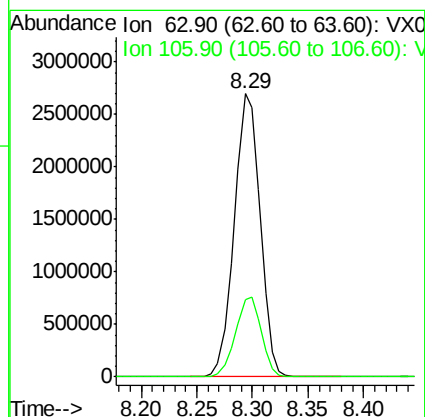
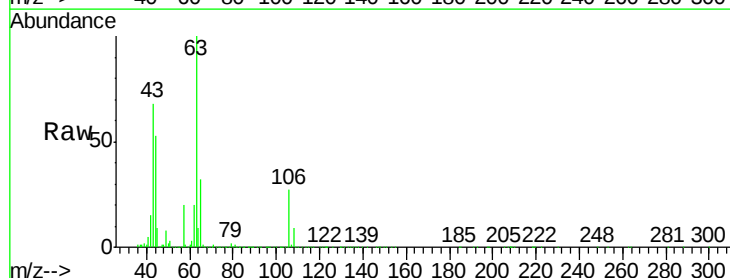
Acq: 23 Jul 2020 12:00

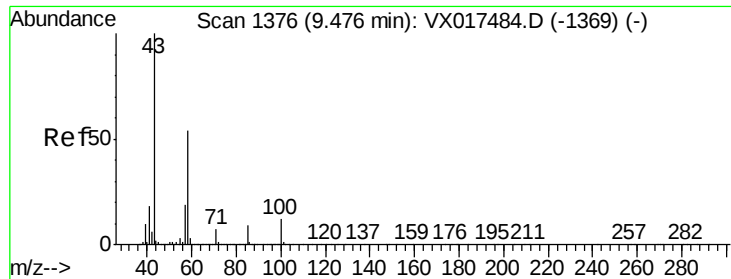
Tgt Ion: 63 Resp: 4326457

Ion Ratio Lower Upper

63 100

106 28.3 22.8 34.2

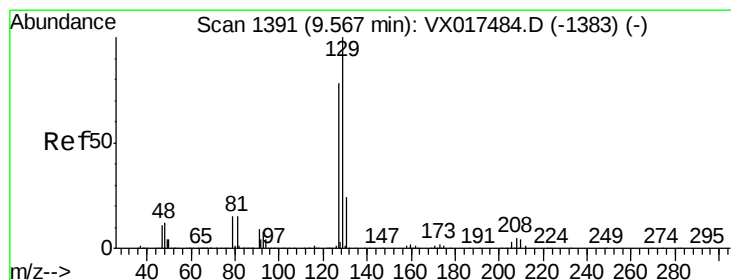
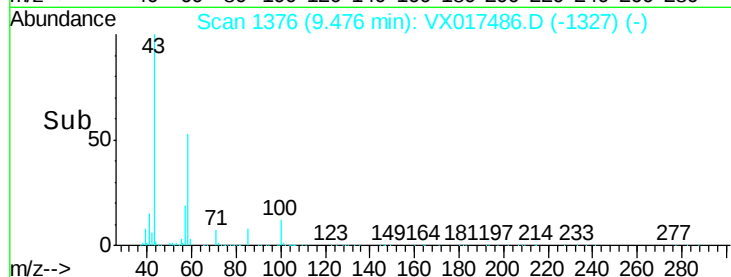
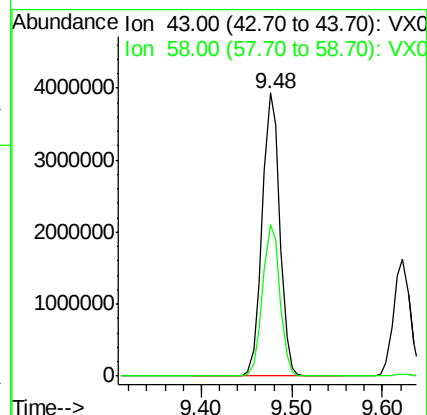
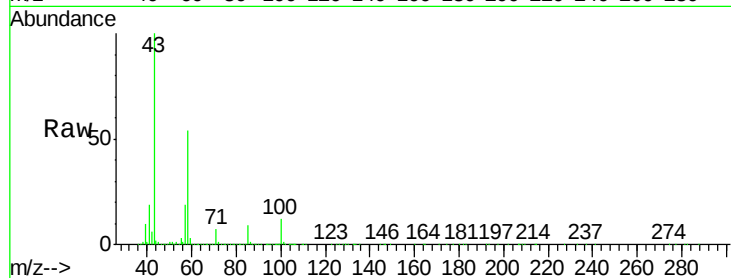




#59  
2-Hexanone  
Concen: 758.573 ug/l  
RT: 9.48 min Scan# 1376  
Delta R.T. 0.00 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

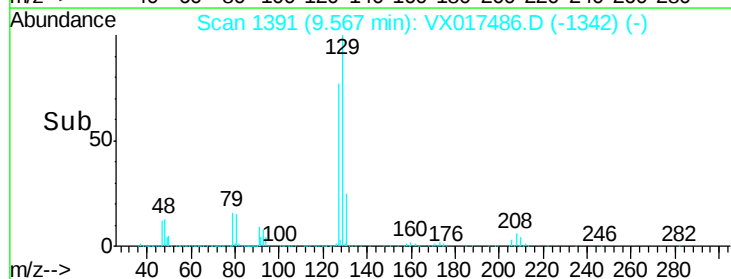
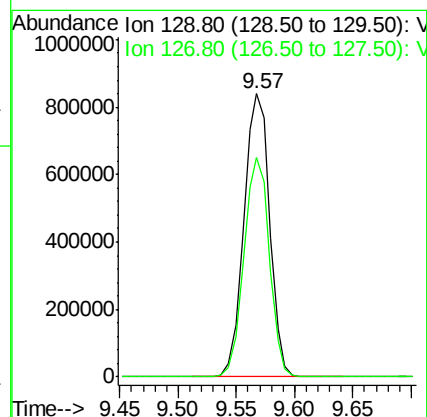
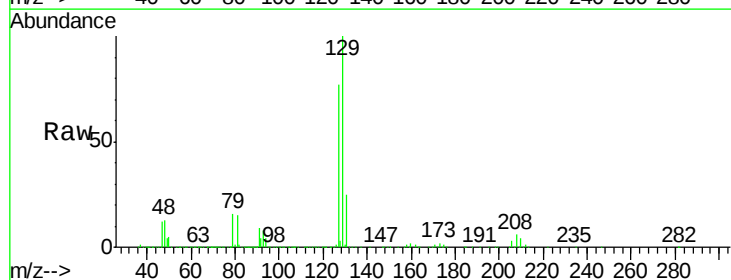
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

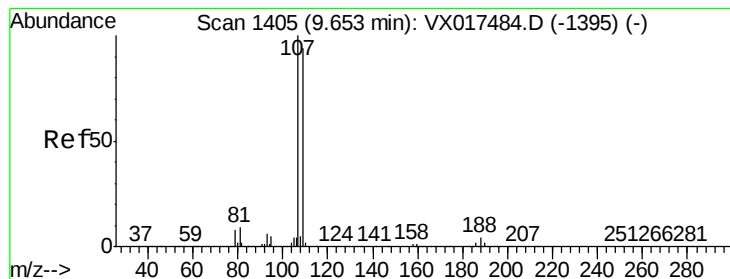
Tgt Ion: 43 Resp: 5284204  
Ion Ratio Lower Upper  
43 100  
58 53.2 26.3 78.8



#60  
Dibromochloromethane  
Concen: 152.687 ug/l  
RT: 9.57 min Scan# 1391  
Delta R.T. 0.00 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

Tgt Ion: 129 Resp: 1292301  
Ion Ratio Lower Upper  
129 100  
127 76.7 38.6 115.7





#61

1,2-Dibromoethane

Concen: 146.016 ug/l

RT: 9.66 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

Instrument :

MSVOA\_X

ClientSampleId :

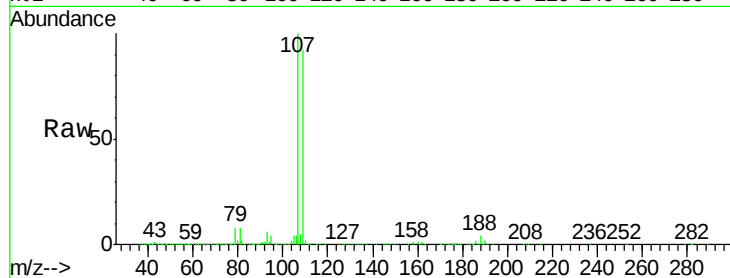
VSTDIC150

Tgt Ion: 107 Resp: 1096754

Ion Ratio Lower Upper

107 100

109 93.6 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.66

800000

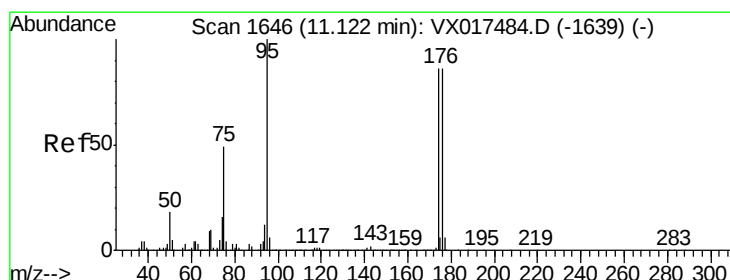
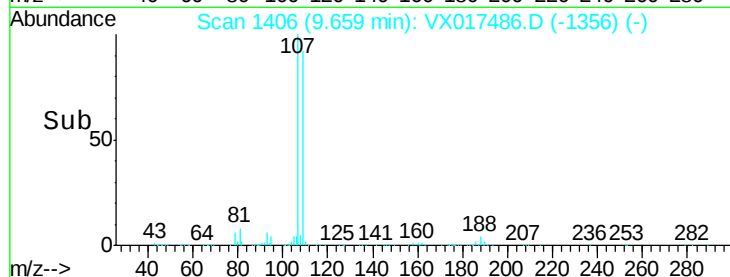
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 144.171 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

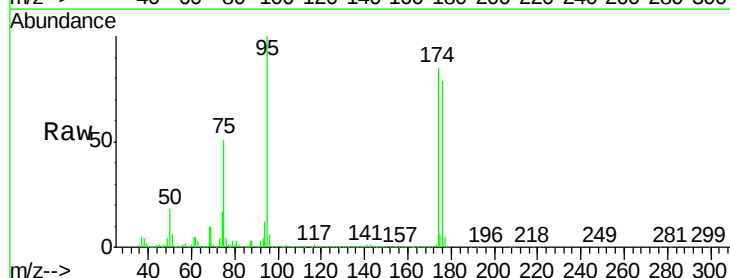
Tgt Ion: 95 Resp: 1337633

Ion Ratio Lower Upper

95 100

174 84.5 0.0 169.2

176 80.5 0.0 167.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

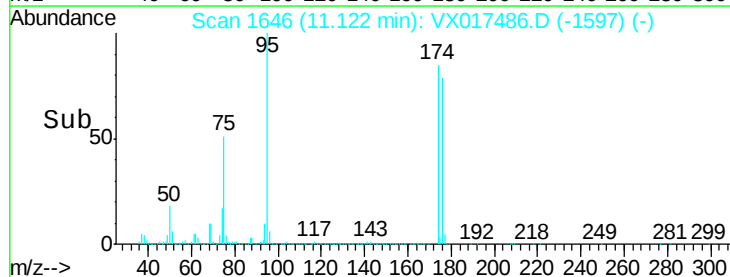
1500000

1000000

500000

0

Time-->

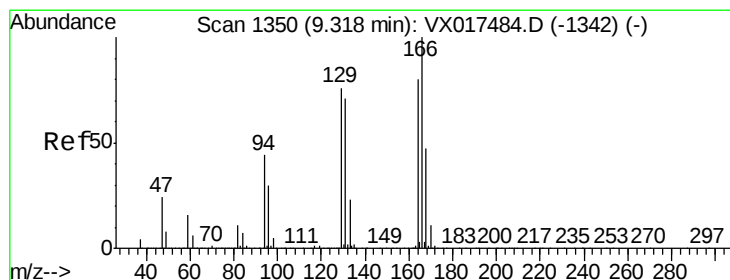
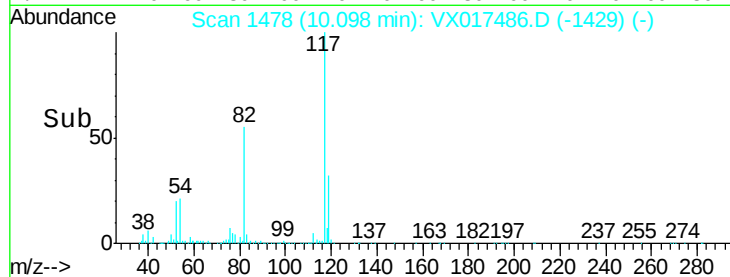
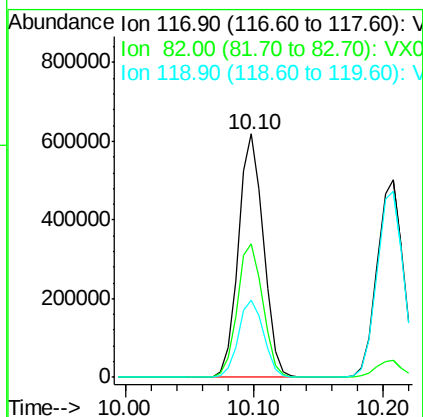
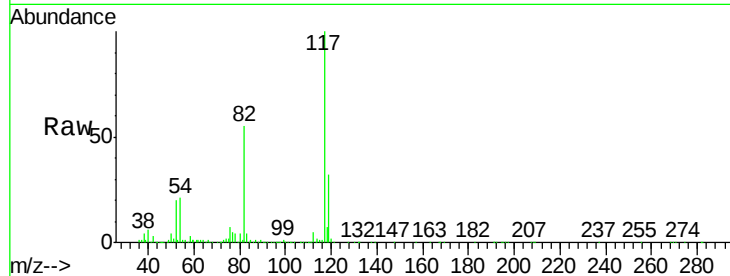




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. 0.00 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

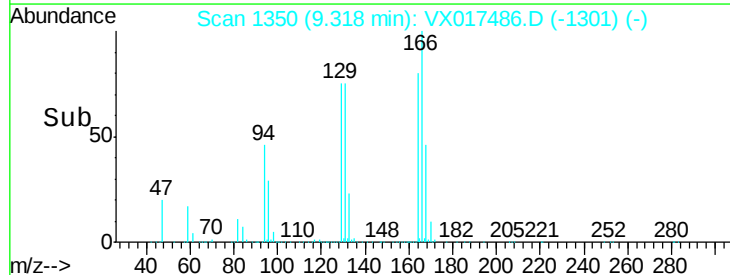
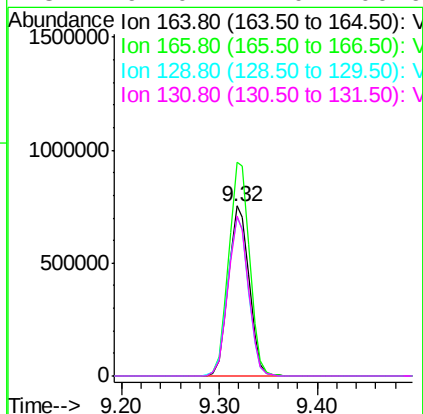
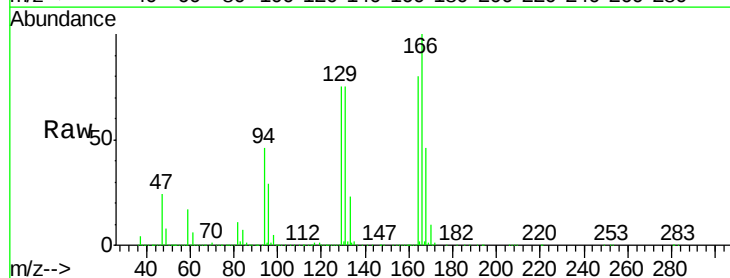
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tgt Ion:117 Resp: 832200  
Ion Ratio Lower Upper  
117 100  
82 55.0 44.6 66.8  
119 31.7 26.6 39.8



#64  
Tetrachloroethene  
Concen: 153.745 ug/l  
RT: 9.32 min Scan# 1350  
Delta R.T. 0.00 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

Tgt Ion:164 Resp: 1106702  
Ion Ratio Lower Upper  
164 100  
166 125.7 100.2 150.4  
129 93.8 75.8 113.6  
131 94.0 71.0 106.6

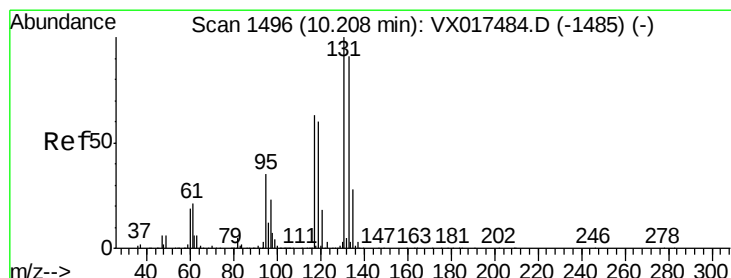
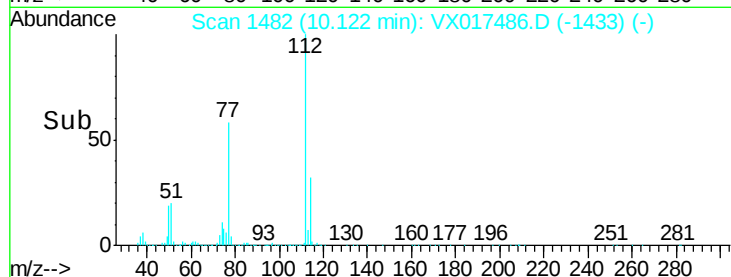
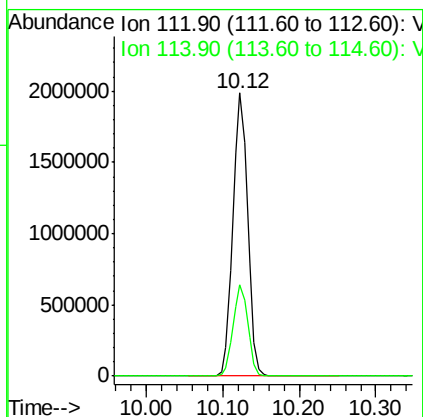
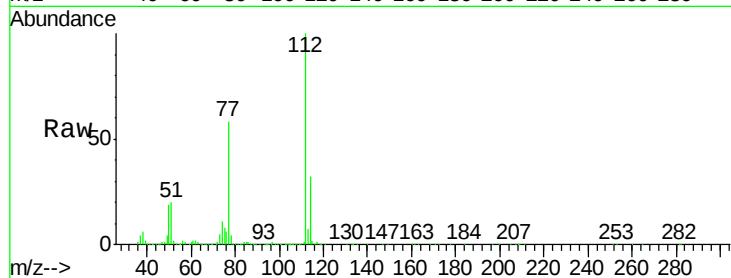




#65  
Chlorobenzene  
Concen: 156.165 ug/l  
RT: 10.12 min Scan# 1482  
Delta R.T. 0.00 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

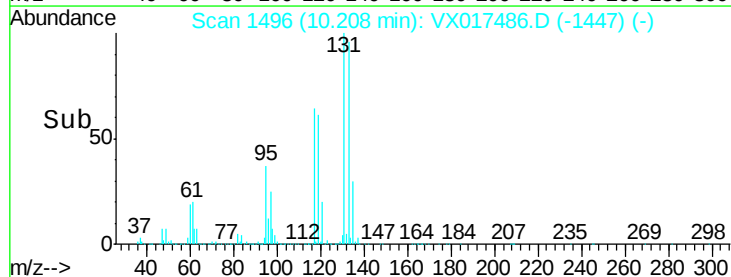
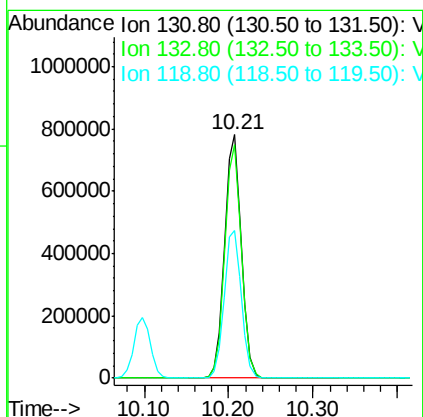
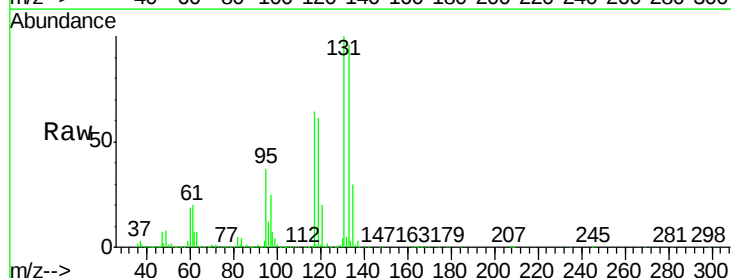
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

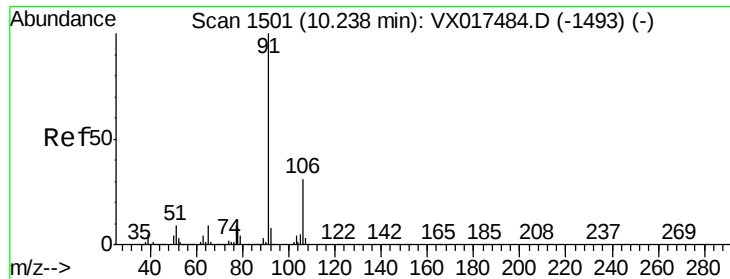
Tgt Ion:112 Resp: 2663161  
Ion Ratio Lower Upper  
112 100  
114 32.1 25.8 38.8



#66  
1,1,1,2-Tetrachloroethane  
Concen: 157.731 ug/l  
RT: 10.21 min Scan# 1496  
Delta R.T. 0.00 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

Tgt Ion:131 Resp: 1070273  
Ion Ratio Lower Upper  
131 100  
133 95.7 46.9 140.7  
119 62.2 30.9 92.8

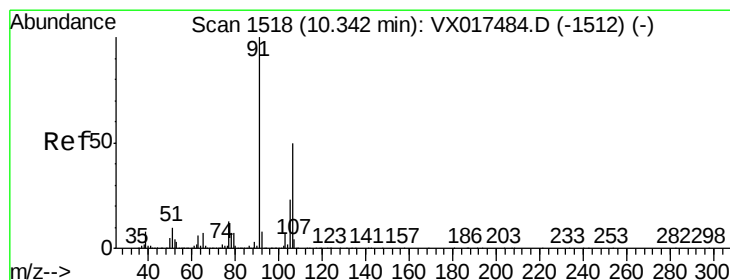
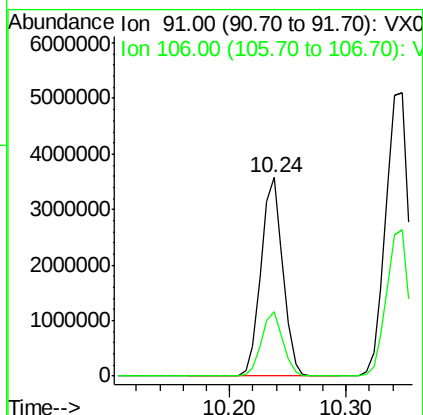
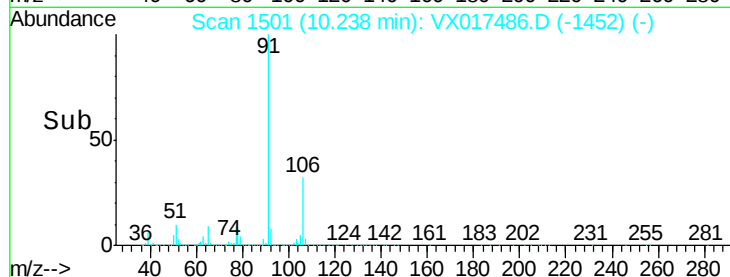
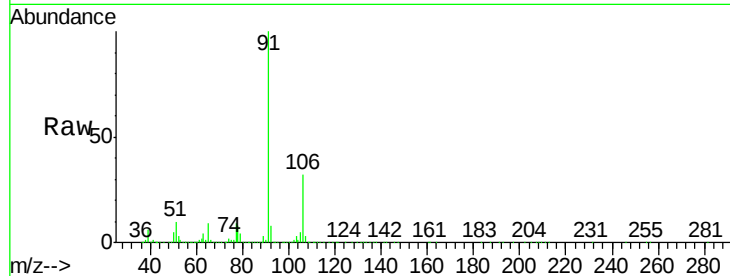




#67  
Ethyl Benzene  
Concen: 164.420 ug/l  
RT: 10.24 min Scan# 1501  
Delta R.T. 0.00 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

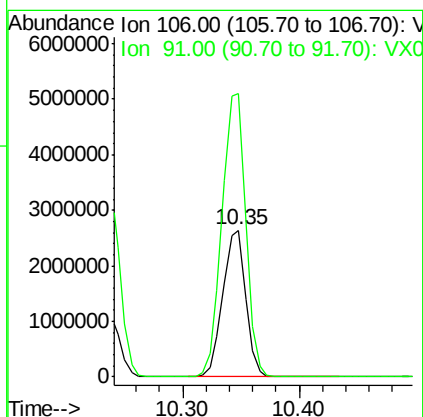
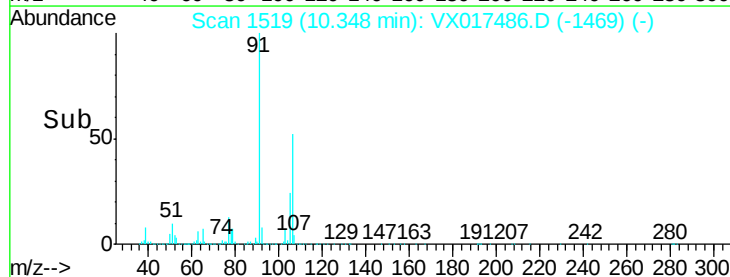
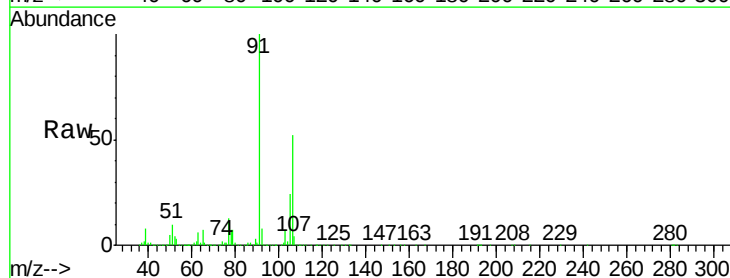
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tgt Ion: 91 Resp: 4647255  
Ion Ratio Lower Upper  
91 100  
106 32.2 25.1 37.7



#68  
m/p-Xylenes  
Concen: 331.744 ug/l  
RT: 10.35 min Scan# 1519  
Delta R.T. 0.01 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

Tgt Ion: 106 Resp: 3582037  
Ion Ratio Lower Upper  
106 100  
91 201.1 163.4 245.2

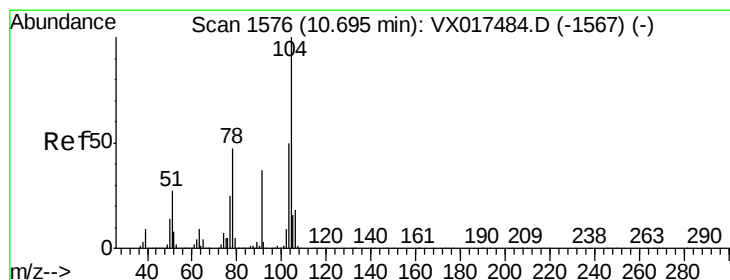
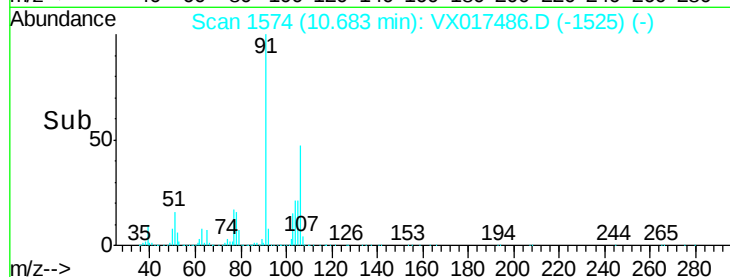
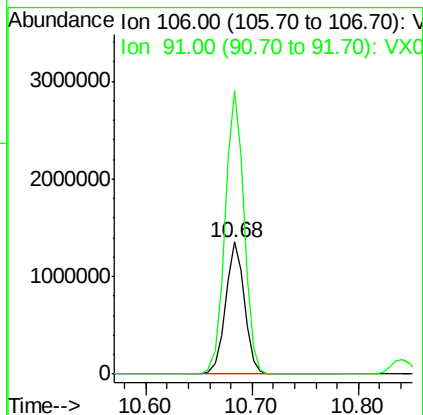
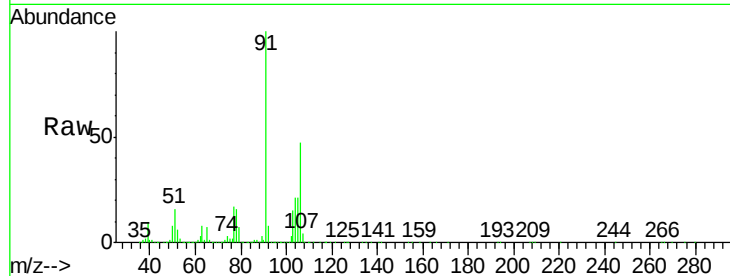




#69  
o-Xylene  
Concen: 161.853 ug/l  
RT: 10.68 min Scan# 1574  
Delta R.T. 0.00 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

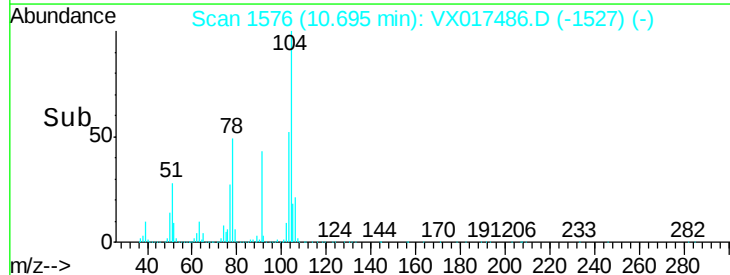
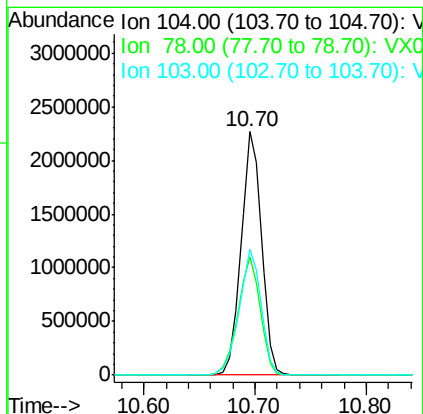
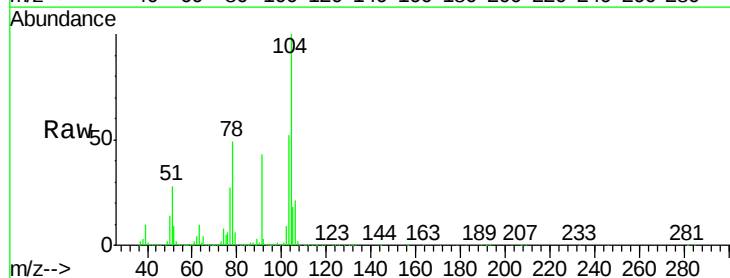
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tgt Ion:106 Resp: 1669728  
Ion Ratio Lower Upper  
106 100  
91 216.4 107.6 322.8



#70  
Styrene  
Concen: 162.395 ug/l  
RT: 10.70 min Scan# 1576  
Delta R.T. 0.00 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

Tgt Ion:104 Resp: 2881341  
Ion Ratio Lower Upper  
104 100  
78 53.1 41.4 62.2  
103 55.4 43.5 65.3





#71

Bromoform

Concen: 165.718 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

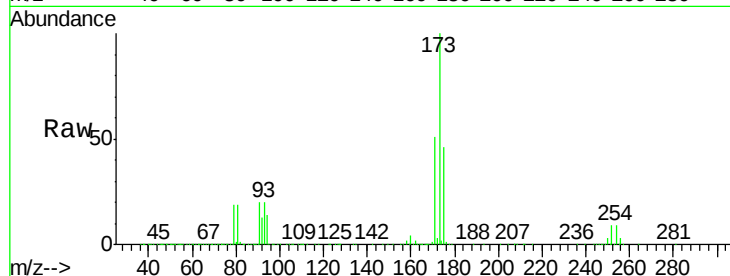
Tgt Ion:173 Resp: 956426

Ion Ratio Lower Upper

173 100

175 47.7 24.6 73.6

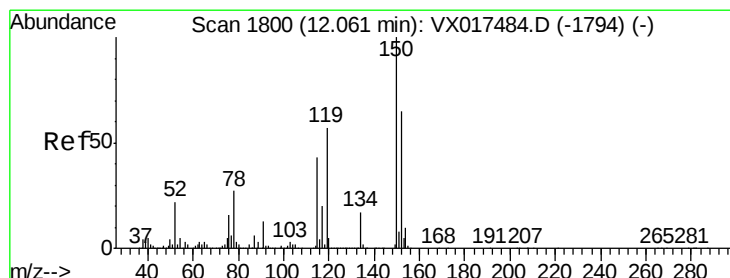
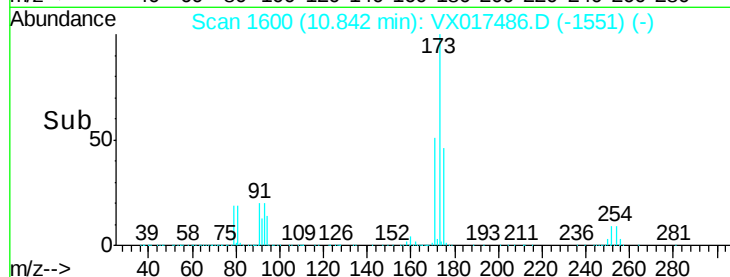
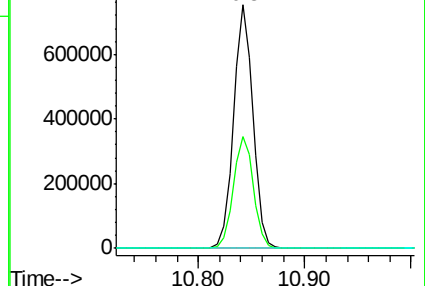
254 0.1 0.1 0.1



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

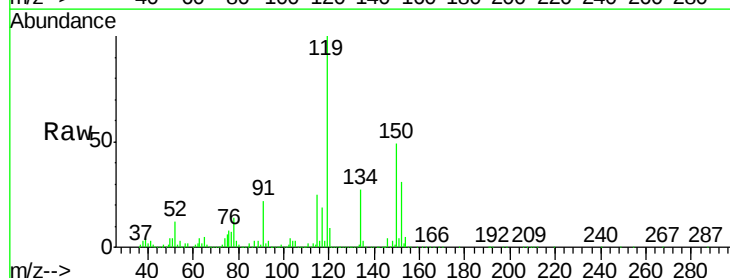
Tgt Ion:152 Resp: 445295

Ion Ratio Lower Upper

152 100

115 131.1 41.9 125.6#

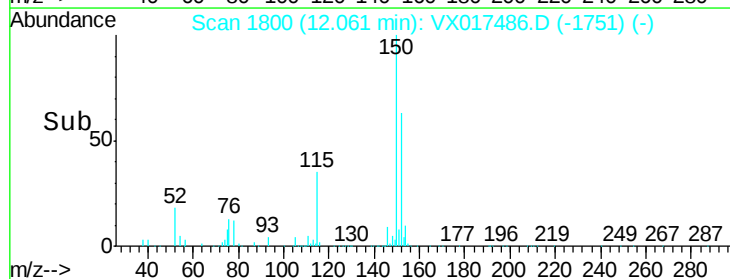
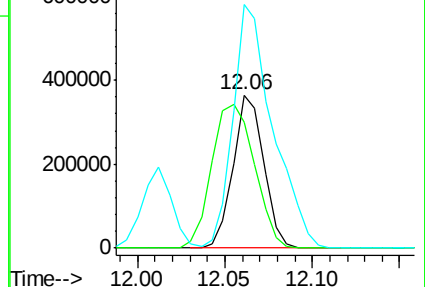
150 206.3 0.0 348.6

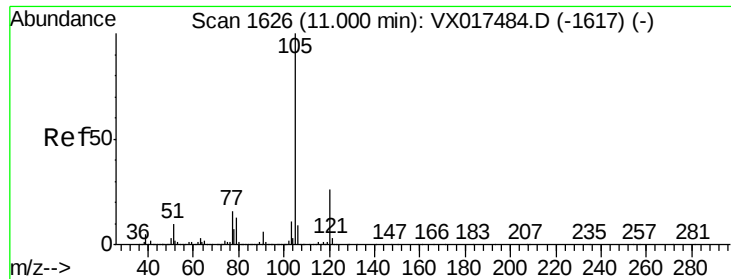


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 165.655 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

Instrument :

MSVOA\_X

ClientSampleId :

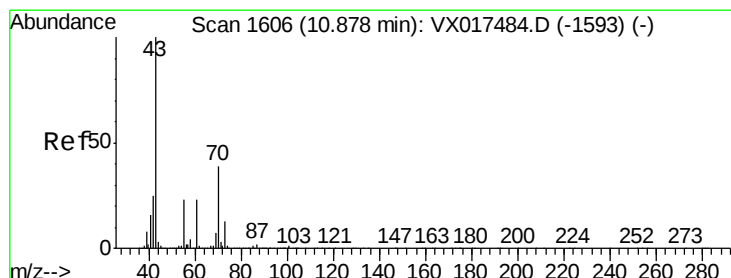
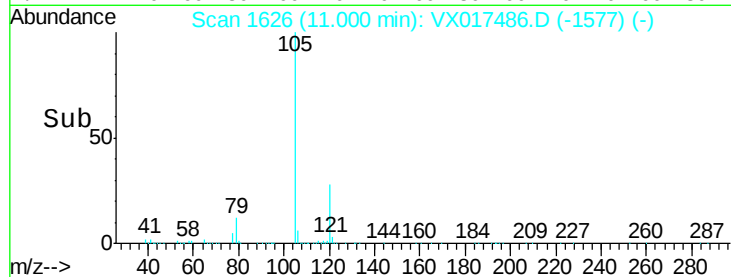
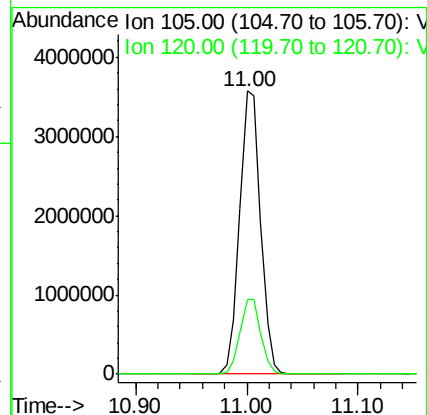
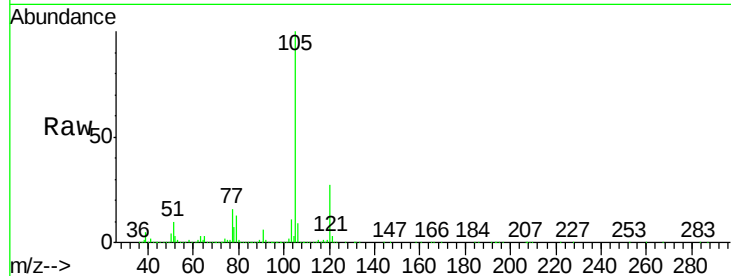
VSTDIC150

Tgt Ion:105 Resp: 4651002

Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.6



#74

N-ethyl acetate

Concen: 180.411 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

Tgt Ion: 43 Resp: 2090138

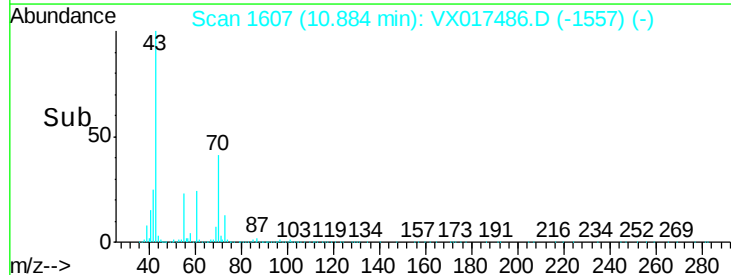
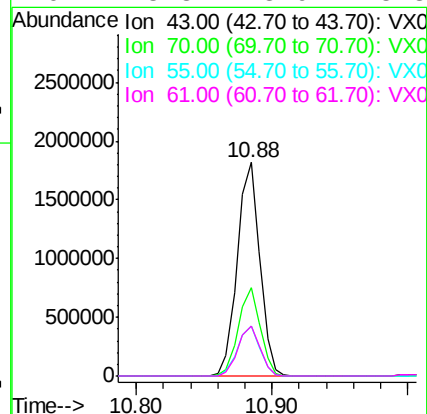
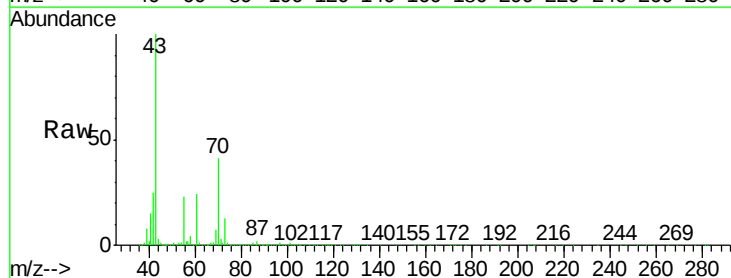
Ion Ratio Lower Upper

43 100

70 40.4 32.2 48.2

55 23.0 18.6 27.8

61 23.3 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 163.234 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.01 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

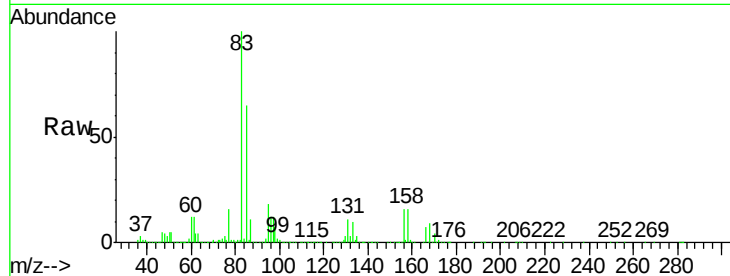
Tgt Ion: 83 Resp: 1397987

Ion Ratio Lower Upper

83 100

131 11.0 5.9 17.6

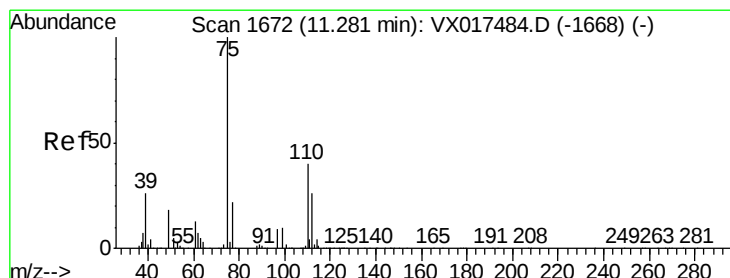
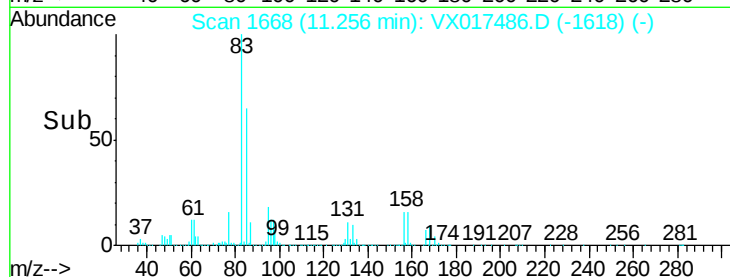
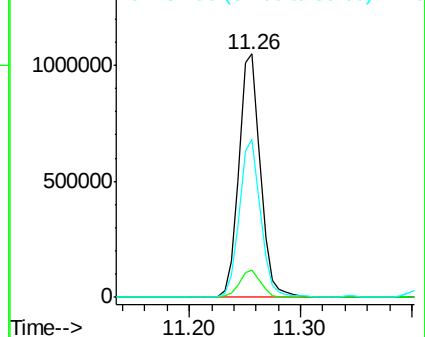
85 64.2 32.6 97.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 213.977 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX017486.D

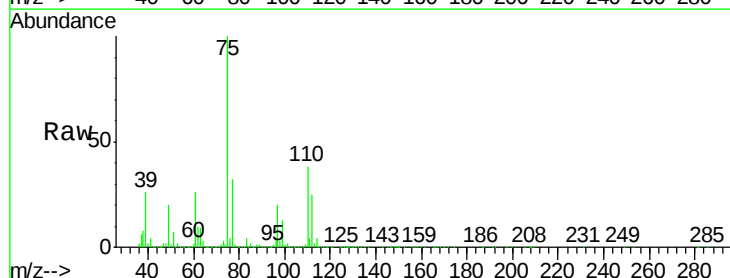
Acq: 23 Jul 2020 12:00

Tgt Ion: 75 Resp: 1787259

Ion Ratio Lower Upper

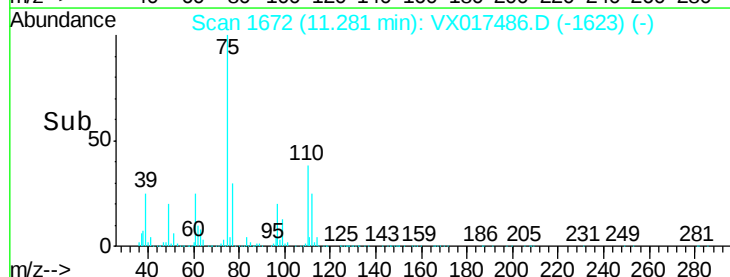
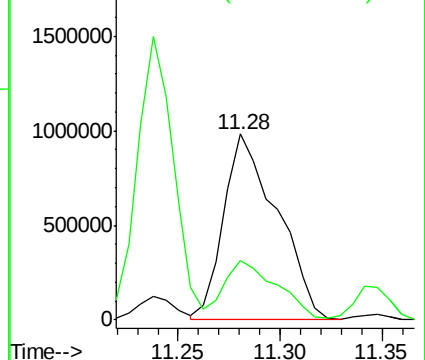
75 100

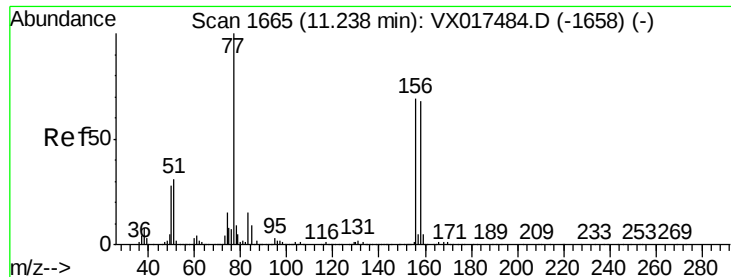
77 31.5 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 154.374 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

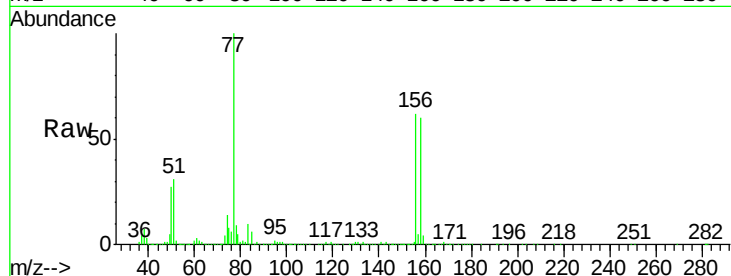
Tgt Ion:156 Resp: 1235324

Ion Ratio Lower Upper

156 100

77 150.0 73.2 219.5

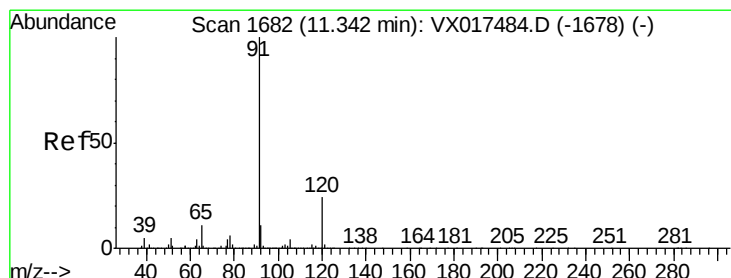
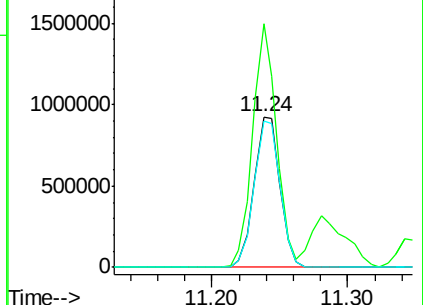
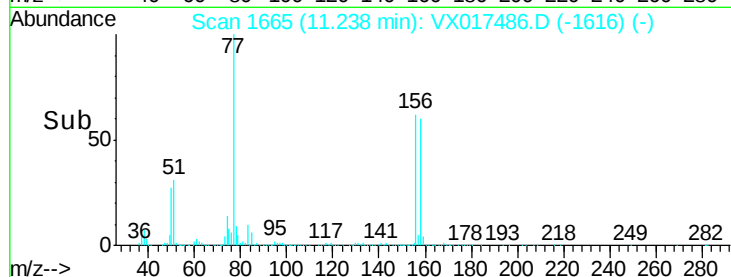
158 98.2 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 168.333 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VX017486.D

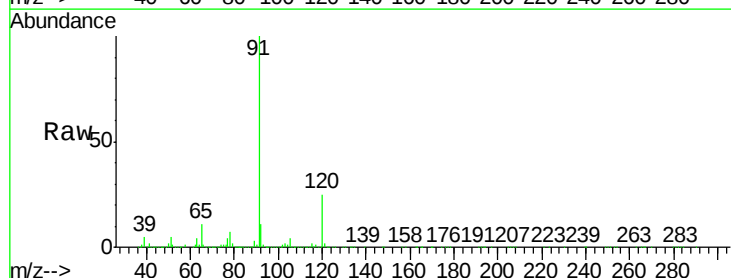
Acq: 23 Jul 2020 12:00

Tgt Ion: 91 Resp: 5293805

Ion Ratio Lower Upper

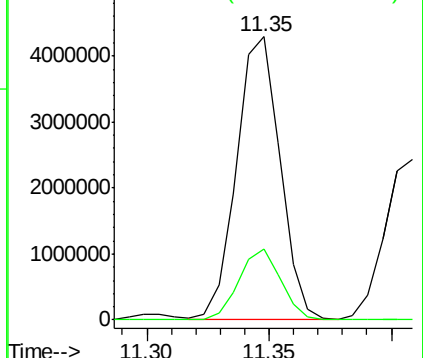
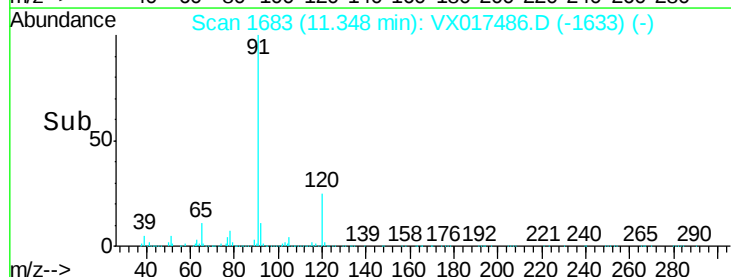
91 100

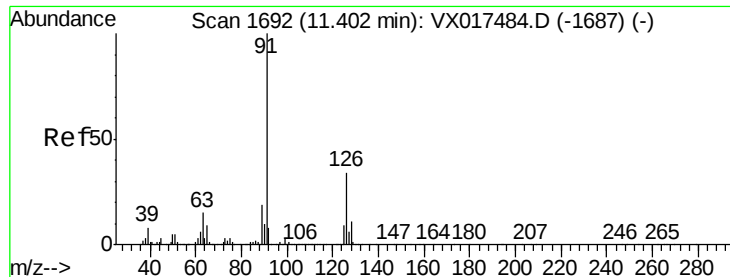
120 24.3 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 160.329 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

Instrument :

MSVOA\_X

ClientSampleId :

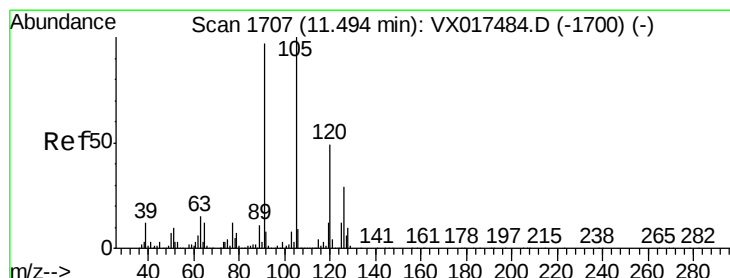
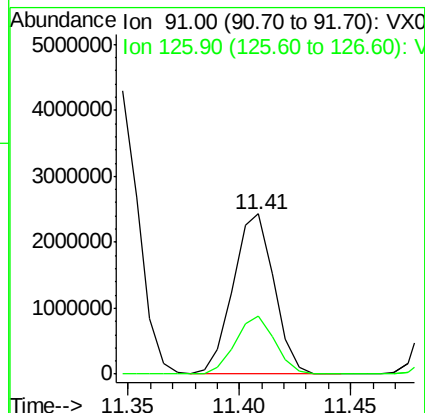
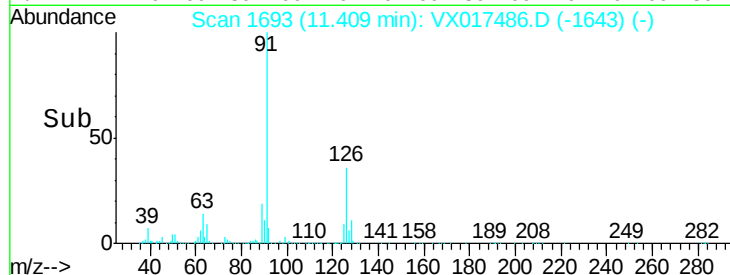
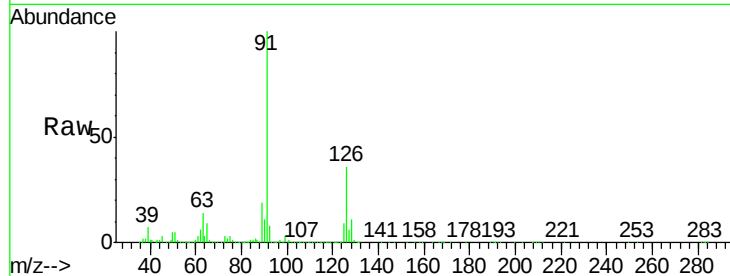
VSTDIC150

Tgt Ion: 91 Resp: 3116404

Ion Ratio Lower Upper

91 100

126 35.0 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 169.040 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX017486.D

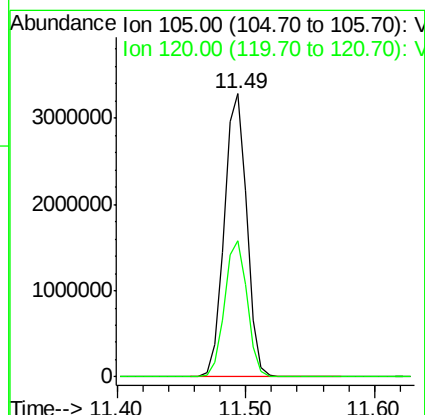
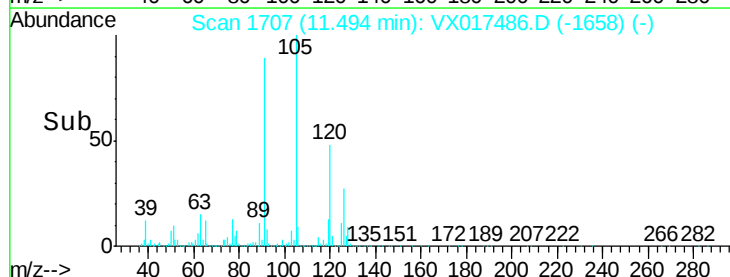
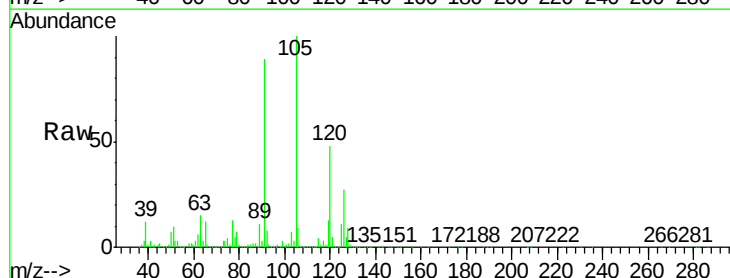
Acq: 23 Jul 2020 12:00

Tgt Ion: 105 Resp: 4054911

Ion Ratio Lower Upper

105 100

120 48.2 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 163.934 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

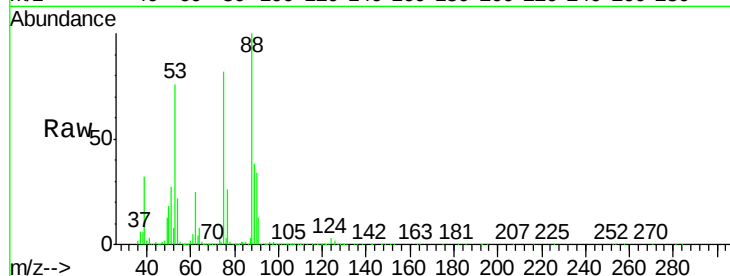
Tgt Ion: 75 Resp: 542114

Ion Ratio Lower Upper

75 100

53 94.9 78.2 117.2

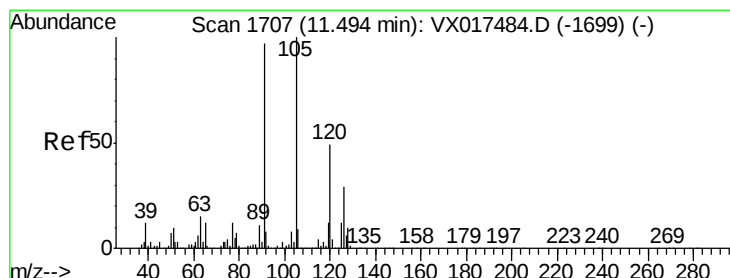
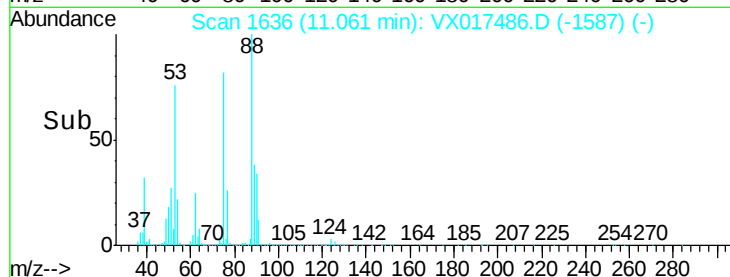
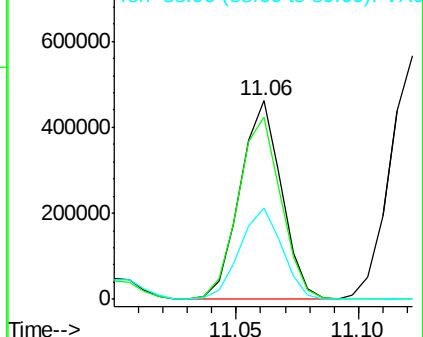
89 47.2 38.1 57.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 164.468 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX017486.D

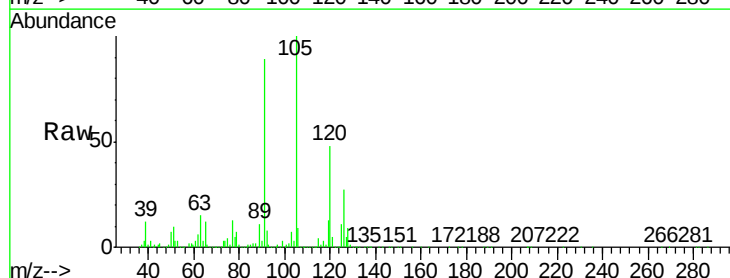
Acq: 23 Jul 2020 12:00

Tgt Ion: 91 Resp: 3794432

Ion Ratio Lower Upper

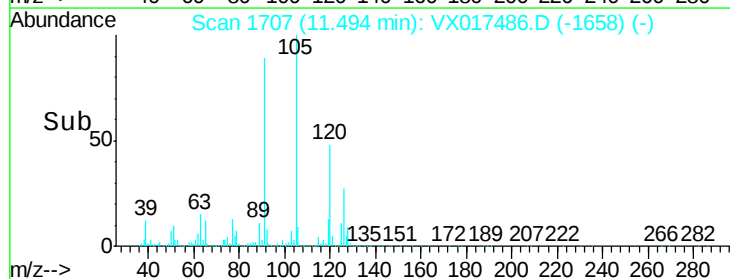
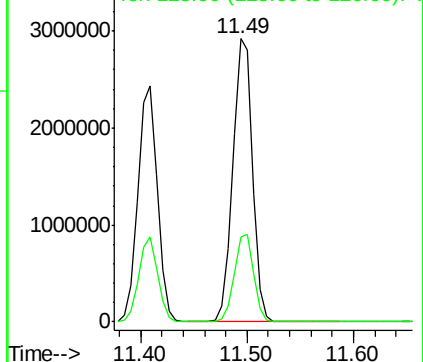
91 100

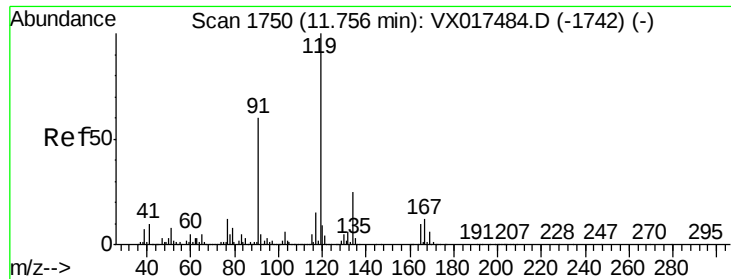
126 30.4 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 172.439 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

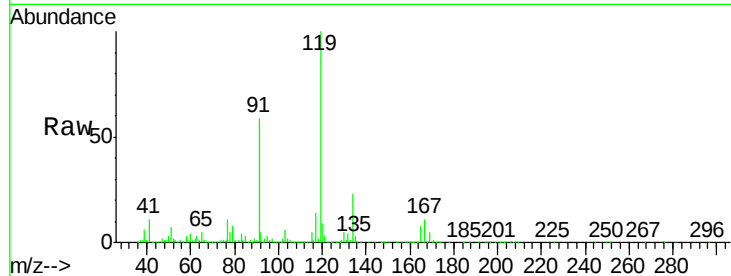
Tgt Ion:119 Resp: 3980264

Ion Ratio Lower Upper

119 100

91 58.7 29.0 87.0

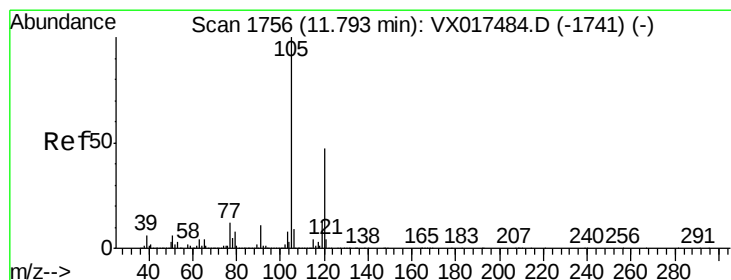
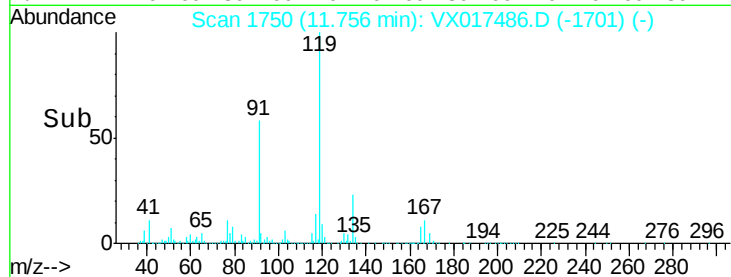
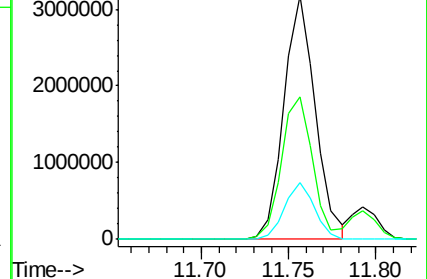
134 22.4 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 167.884 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX017486.D

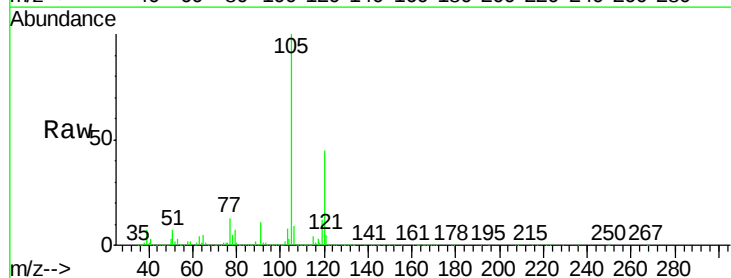
Acq: 23 Jul 2020 12:00

Tgt Ion:105 Resp: 4051188

Ion Ratio Lower Upper

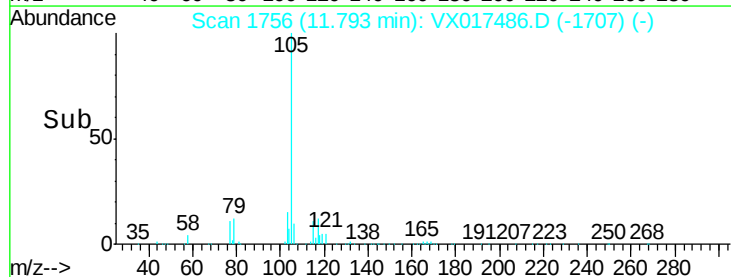
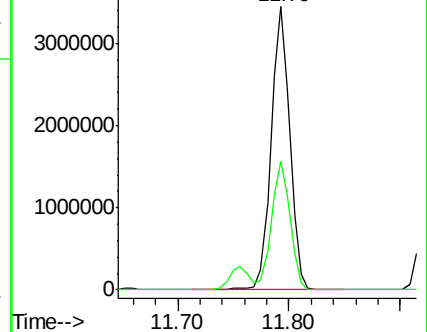
105 100

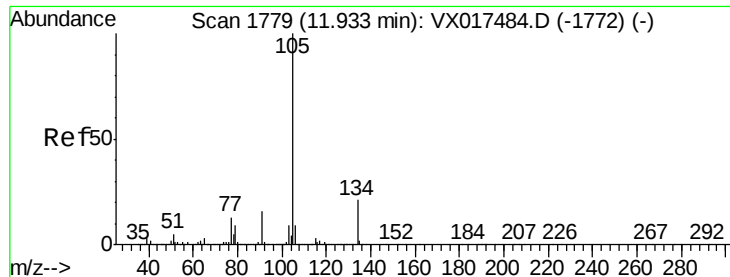
120 45.3 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

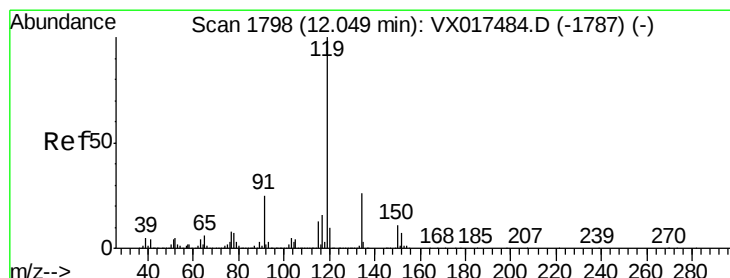
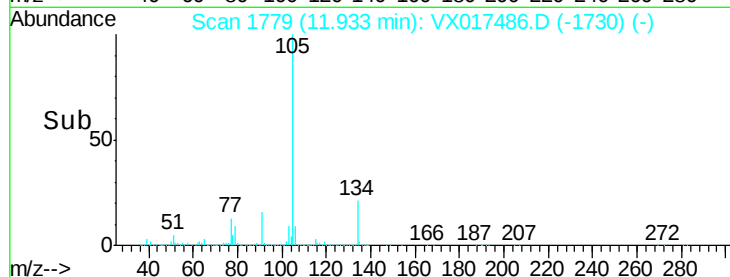
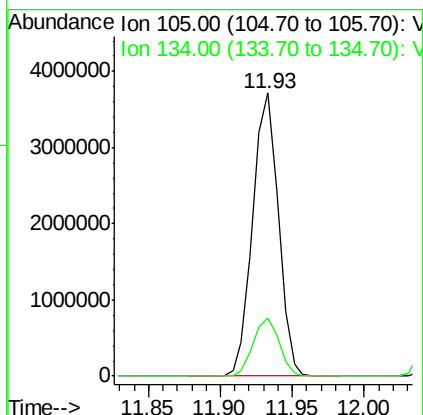
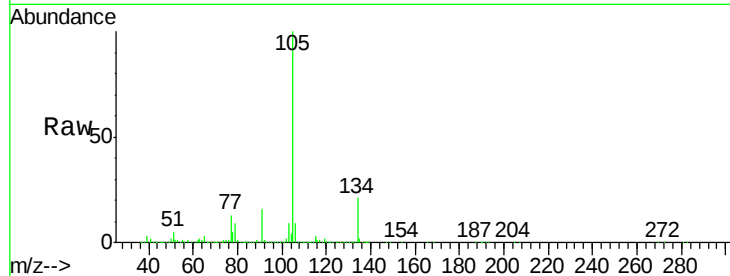




#85  
 sec-Butylbenzene  
 Concen: 169.017 ug/l  
 RT: 11.93 min Scan# 1779  
 Delta R.T. 0.00 min  
 Lab File: VX017486.D  
 Acq: 23 Jul 2020 12:00

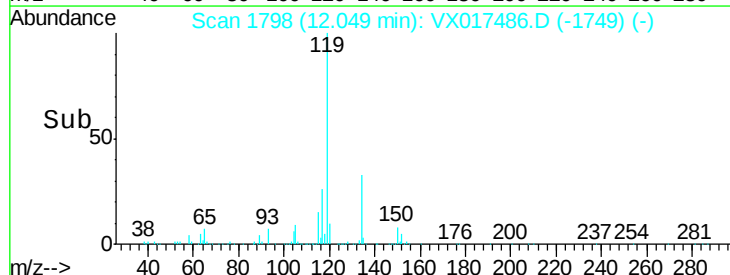
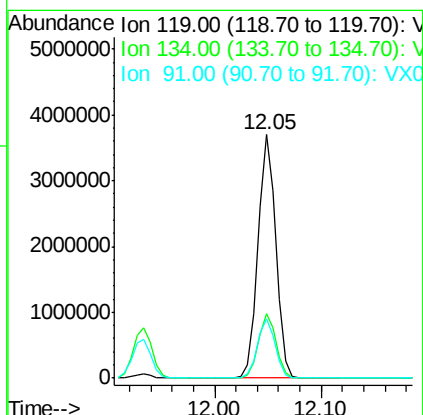
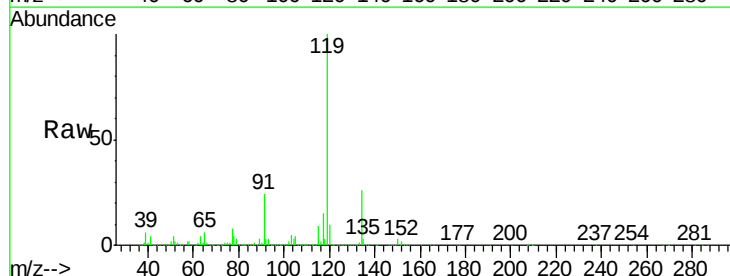
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

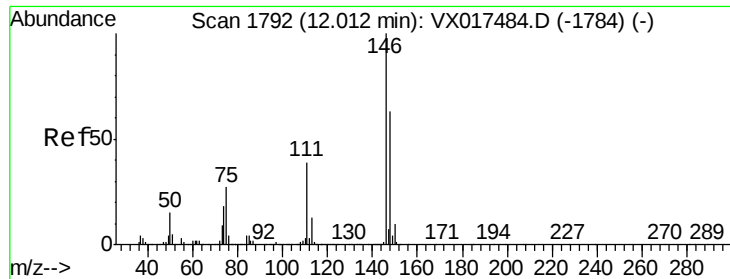
Tgt Ion:105 Resp: 4557845  
 Ion Ratio Lower Upper  
 105 100  
 134 20.8 10.4 31.1



#86  
 p-Isopropyltoluene  
 Concen: 169.798 ug/l  
 RT: 12.05 min Scan# 1798  
 Delta R.T. 0.00 min  
 Lab File: VX017486.D  
 Acq: 23 Jul 2020 12:00

Tgt Ion:119 Resp: 4341840  
 Ion Ratio Lower Upper  
 119 100  
 134 26.2 13.1 39.1  
 91 24.2 12.3 36.8

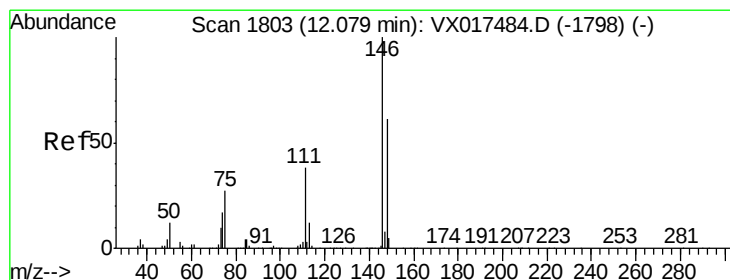
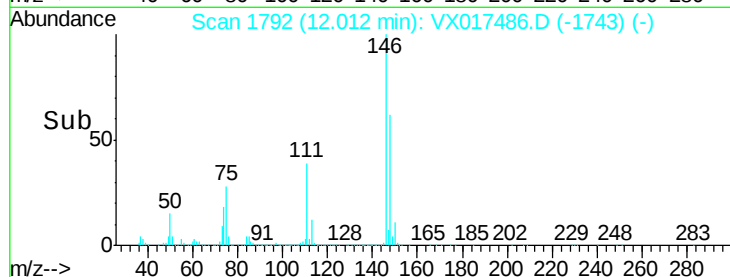
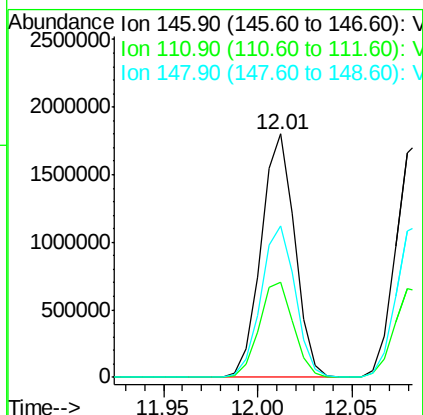
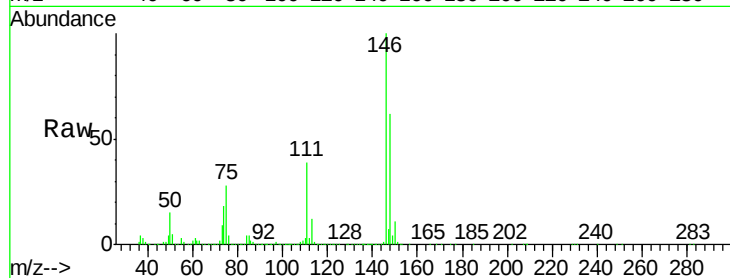




#87  
 1,3-Dichlorobenzene  
 Concen: 155.711 ug/l  
 RT: 12.01 min Scan# 1792  
 Delta R.T. 0.00 min  
 Lab File: VX017486.D  
 Acq: 23 Jul 2020 12:00

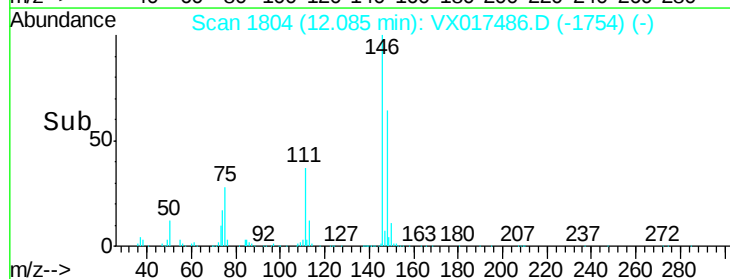
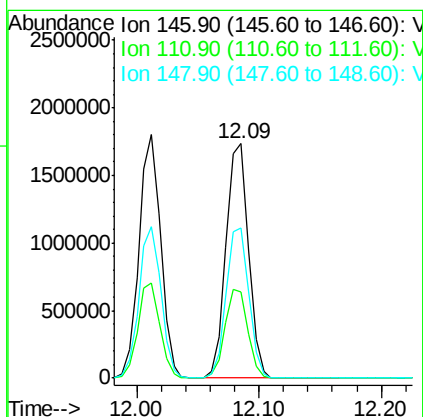
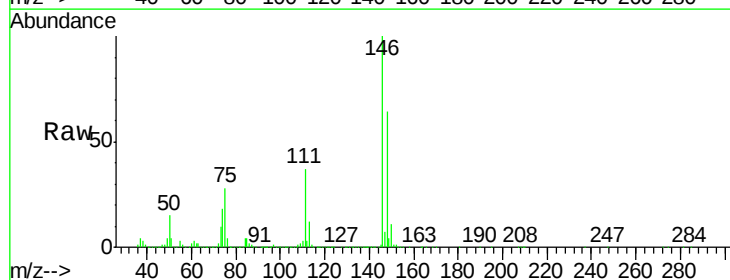
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

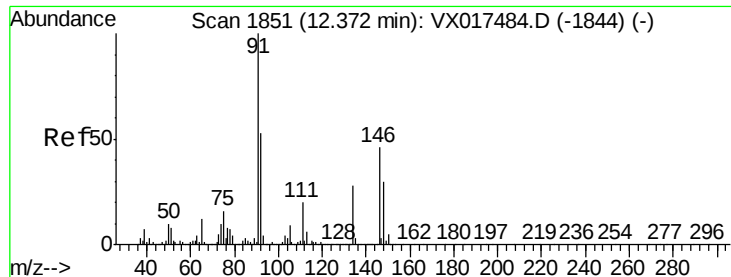
Tgt Ion:146 Resp: 2224935  
 Ion Ratio Lower Upper  
 146 100  
 111 39.8 19.6 58.8  
 148 63.3 31.6 95.0



#88  
 1,4-Dichlorobenzene  
 Concen: 152.273 ug/l  
 RT: 12.09 min Scan# 1804  
 Delta R.T. 0.01 min  
 Lab File: VX017486.D  
 Acq: 23 Jul 2020 12:00

Tgt Ion:146 Resp: 2200746  
 Ion Ratio Lower Upper  
 146 100  
 111 38.5 19.1 57.5  
 148 64.4 31.6 95.0

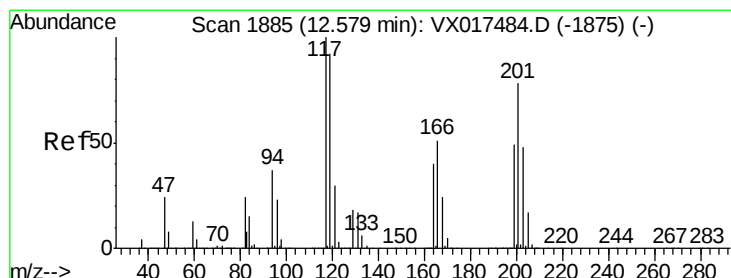
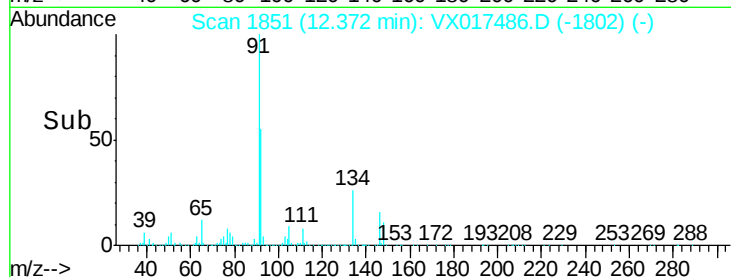
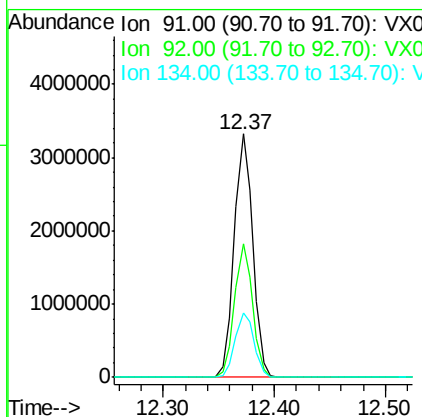
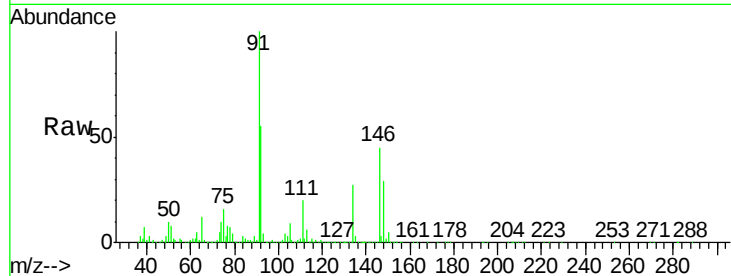




#89  
n-Butylbenzene  
Concen: 174.375 ug/l  
RT: 12.37 min Scan# 1851  
Delta R.T. 0.00 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

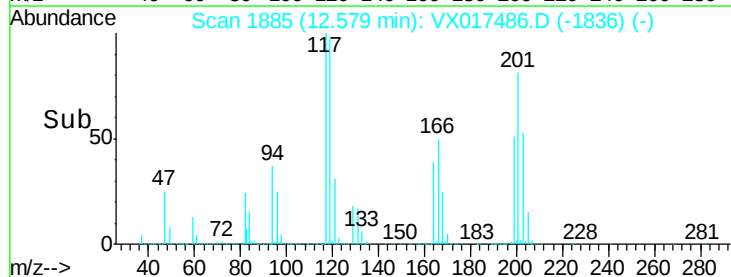
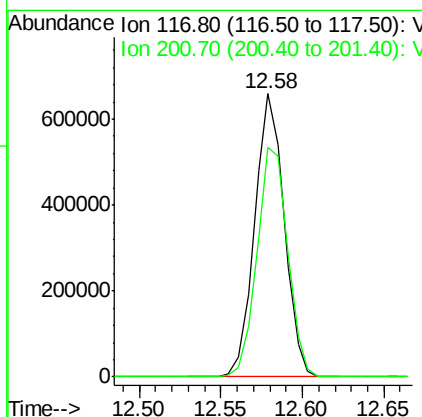
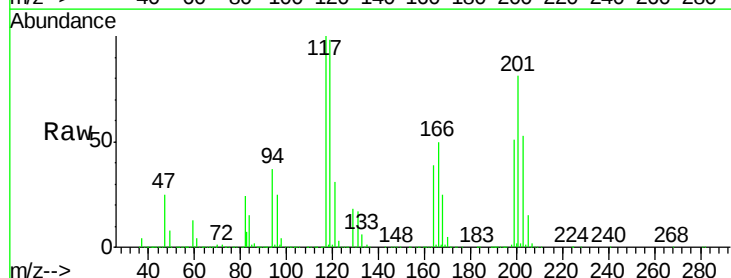
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

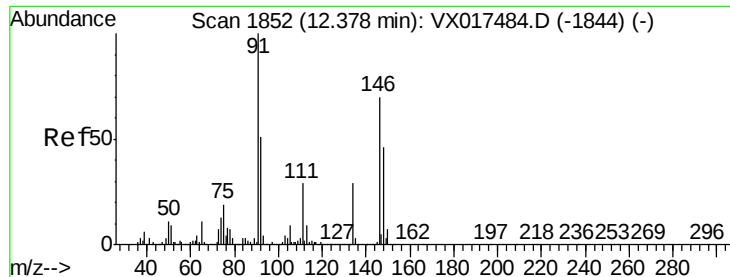
Tgt Ion: 91 Resp: 3826594  
Ion Ratio Lower Upper  
91 100  
92 53.4 26.4 79.0  
134 27.1 13.7 41.0



#90  
Hexachloroethane  
Concen: 169.913 ug/l  
RT: 12.58 min Scan# 1885  
Delta R.T. 0.00 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

Tgt Ion: 117 Resp: 829005  
Ion Ratio Lower Upper  
117 100  
201 84.4 41.4 124.4





#91

1,2-Dichlorobenzene

Concen: 156.632 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

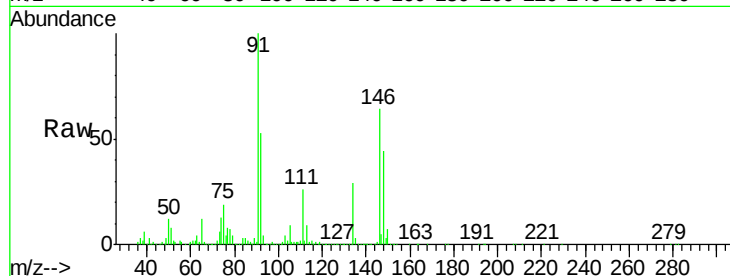
Tgt Ion:146 Resp: 2107597

Ion Ratio Lower Upper

146 100

111 41.9 20.8 62.2

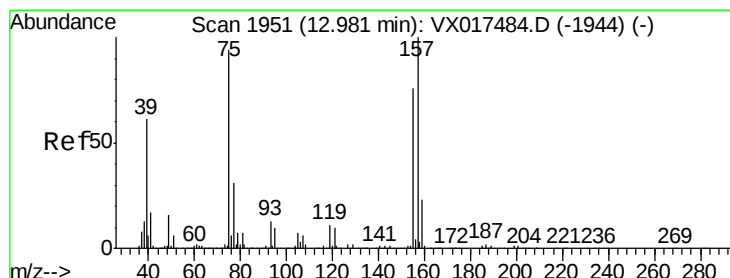
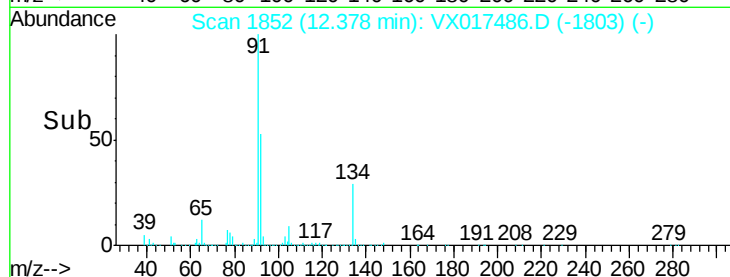
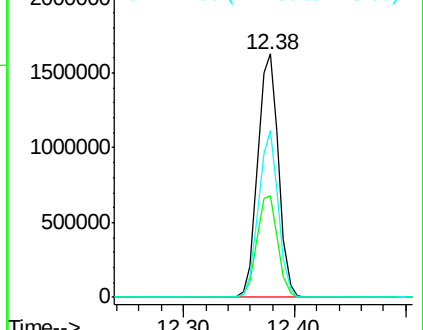
148 65.6 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 186.085 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX017486.D

Acq: 23 Jul 2020 12:00

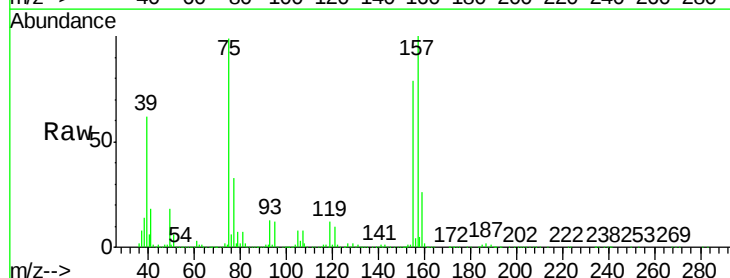
Tgt Ion: 75 Resp: 428694

Ion Ratio Lower Upper

75 100

155 84.5 42.3 126.9

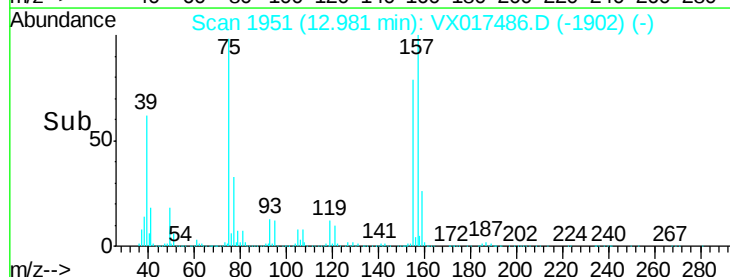
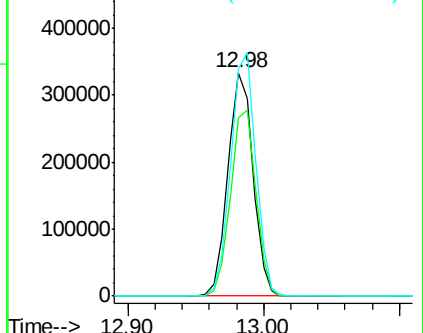
157 108.6 55.1 165.5

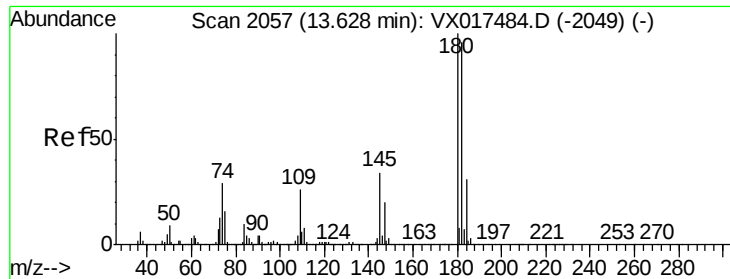


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

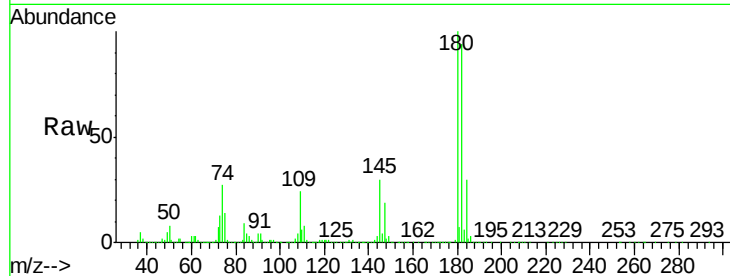




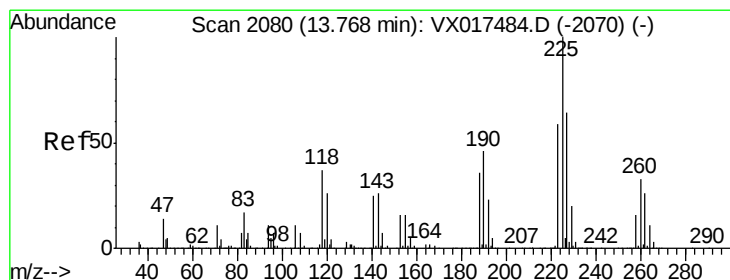
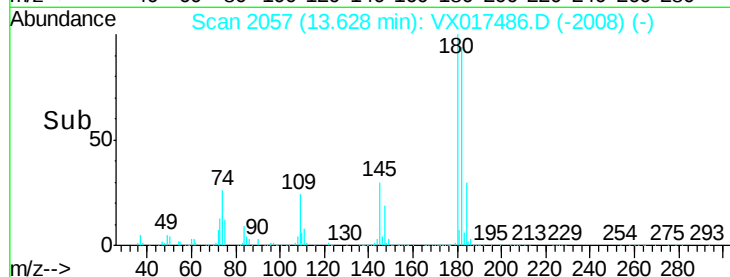
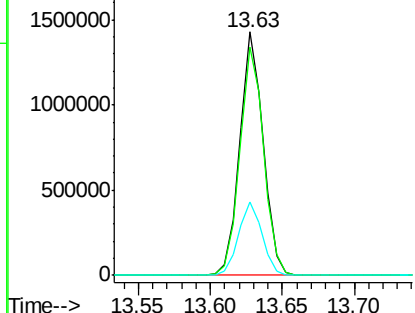
#93  
 1,2,4-Trichlorobenzene  
 Concen: 170.776 ug/l  
 RT: 13.63 min Scan# 2057  
 Delta R.T. 0.00 min  
 Lab File: VX017486.D  
 Acq: 23 Jul 2020 12:00

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

Tgt Ion:180 Resp: 1608076  
 Ion Ratio Lower Upper  
 180 100  
 182 95.1 48.5 145.6  
 145 30.9 16.0 47.9

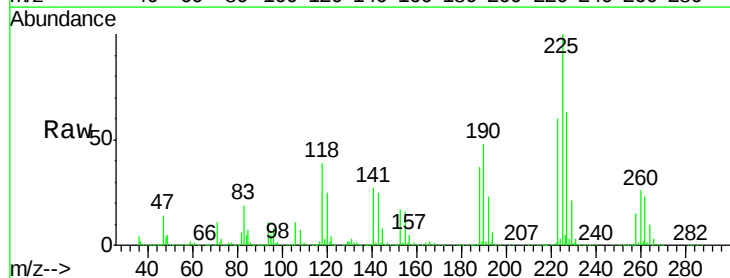


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

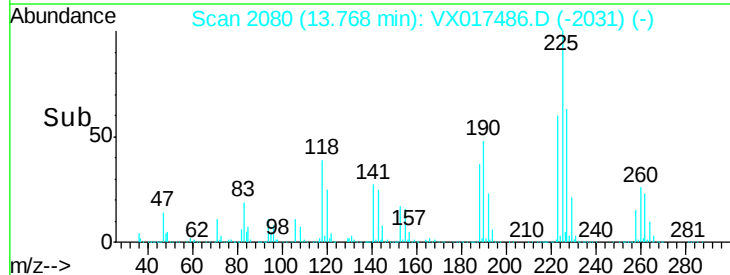
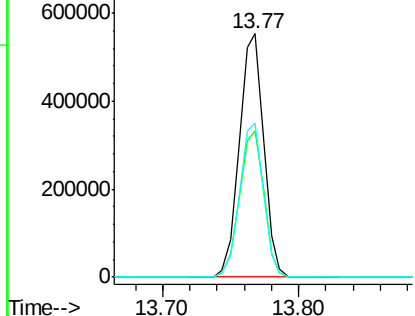


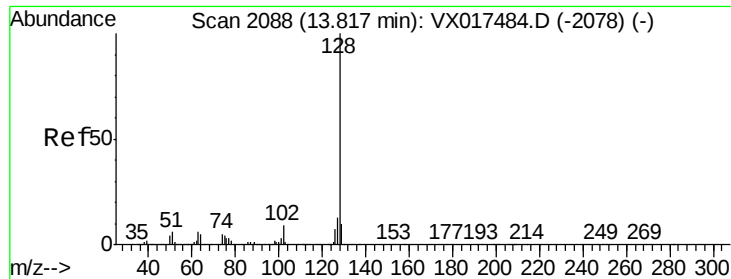
#94  
 Hexachlorobutadiene  
 Concen: 174.703 ug/l  
 RT: 13.77 min Scan# 2080  
 Delta R.T. 0.00 min  
 Lab File: VX017486.D  
 Acq: 23 Jul 2020 12:00

Tgt Ion:225 Resp: 685063  
 Ion Ratio Lower Upper  
 225 100  
 223 60.6 31.1 93.2  
 227 62.1 32.2 96.6



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

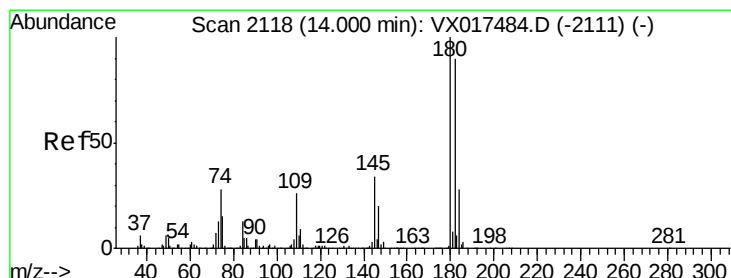
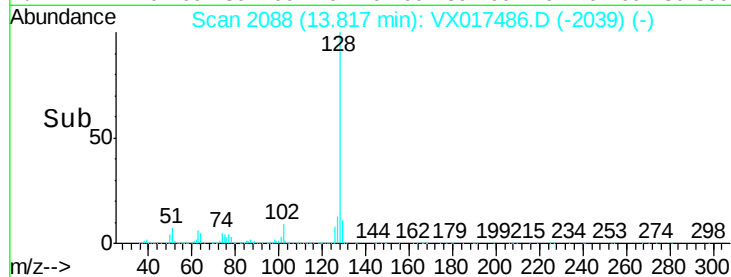
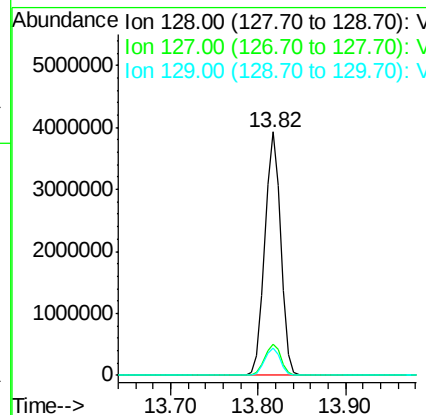
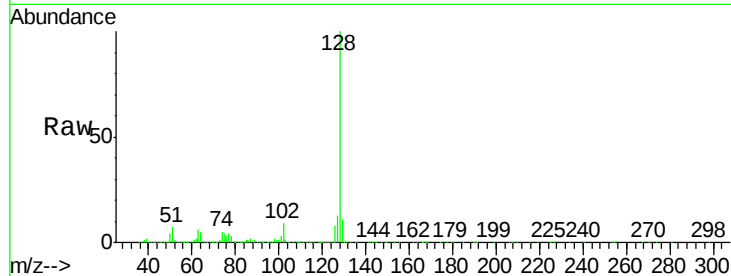




#95  
Naphthalene  
Concen: 177.552 ug/l  
RT: 13.82 min Scan# 2088  
Delta R.T. 0.00 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tgt Ion:128 Resp: 4947029  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.2 15.4  
129 11.1 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 170.038 ug/l  
RT: 14.00 min Scan# 2118  
Delta R.T. 0.00 min  
Lab File: VX017486.D  
Acq: 23 Jul 2020 12:00

Tgt Ion:180 Resp: 1555730  
Ion Ratio Lower Upper  
180 100  
182 94.9 45.7 137.1  
145 32.6 16.4 49.2

