

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042220\  
 Data File : VX015834.D  
 Acq On : 22 Apr 2020 11:06  
 Operator : JC/SP  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Quant Time: Apr 22 11:52:25 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 22 11:43:26 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.64  | 168  | 972757   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 1472676  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 1361900  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 734381   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 6.04   | 65  | 537560   | 46.38 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.76% |      |
| 35) Dibromofluoromethane    | 5.47   | 113 | 416096   | 44.69 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 89.38% |      |
| 50) Toluene-d8              | 8.70   | 98  | 1672895  | 47.21 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.42% |      |
| 62) 4-Bromofluorobenzene    | 11.12  | 95  | 676624   | 43.62 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 87.24% |      |

| Target Compounds              |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85  | 478639  | 60.864  | ug/l | 100    |
| 3) Chloromethane              | 1.31 | 50  | 444913  | 53.412  | ug/l | 100    |
| 4) Vinyl Chloride             | 1.39 | 62  | 503645  | 51.312  | ug/l | 100    |
| 5) Bromomethane               | 1.63 | 94  | 191941  | 48.526  | ug/l | 100    |
| 6) Chloroethane               | 1.71 | 64  | 288553  | 51.262  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 654070  | 52.838  | ug/l | 100    |
| 8) Diethyl Ether              | 2.17 | 74  | 245287  | 49.055  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 410597  | 48.967  | ug/l | 100    |
| 10) Methyl Iodide             | 2.49 | 142 | 525605  | 54.642  | ug/l | 100    |
| 11) Tert butyl alcohol        | 3.02 | 59  | 582581  | 265.972 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 438282  | 51.507  | ug/l | 100    |
| 13) Acrolein                  | 2.28 | 56  | 329238  | 245.142 | ug/l | 100    |
| 14) Allyl chloride            | 2.71 | 41  | 941272  | 51.656  | ug/l | 100    |
| 15) Acrylonitrile             | 3.12 | 53  | 1374625 | 265.382 | ug/l | 100    |
| 16) Acetone                   | 2.42 | 43  | 1140035 | 228.163 | ug/l | 100    |
| 17) Carbon Disulfide          | 2.56 | 76  | 1246964 | 36.165  | ug/l | 100    |
| 18) Methyl Acetate            | 2.75 | 43  | 797343  | 50.292  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 3.17 | 73  | 1555986 | 52.004  | ug/l | 100    |
| 20) Methylene Chloride        | 2.84 | 84  | 487113  | 49.134  | ug/l | 100    |
| 21) trans-1,2-Dichloroethene  | 3.15 | 96  | 475517  | 49.861  | ug/l | 100    |
| 22) Diisopropyl ether         | 3.83 | 45  | 1678219 | 51.167  | ug/l | 100    |
| 23) Vinyl Acetate             | 3.79 | 43  | 6985215 | 254.737 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 3.68 | 63  | 870424  | 51.485  | ug/l | 100    |
| 25) 2-Butanone                | 4.64 | 43  | 1957471 | 259.129 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 4.56 | 77  | 781236  | 51.427  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 4.57 | 96  | 548186  | 51.366  | ug/l | 100    |
| 28) Bromochloromethane        | 4.99 | 49  | 410332  | 44.685  | ug/l | 100    |
| 29) Tetrahydrofuran           | 5.09 | 42  | 1303183 | 259.750 | ug/l | 100    |
| 30) Chloroform                | 5.19 | 83  | 857037  | 49.765  | ug/l | 100    |
| 31) Cyclohexane               | 5.56 | 56  | 830299  | 50.510  | ug/l | 100    |
| 32) 1,1,1-Trichloroethane     | 5.47 | 97  | 787237  | 51.795  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 5.78 | 75  | 677224  | 52.393  | ug/l | 100    |
| 37) Ethyl Acetate             | 4.80 | 43  | 780022  | 50.180  | ug/l | 100    |
| 38) Carbon Tetrachloride      | 5.76 | 117 | 676240  | 53.855  | ug/l | 100    |

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 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Quant Time: Apr 22 11:52:25 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 22 11:43:26 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 39) Methylcyclohexane          | 7.45  | 83   | 826174   | 49.613  | ug/l  | 100      |
| 40) Benzene                    | 6.12  | 78   | 1986782  | 50.192  | ug/l  | 100      |
| 41) Methacrylonitrile          | 5.01  | 41   | 451139   | 61.466  | ug/l  | 100      |
| 42) 1,2-Dichloroethane         | 6.17  | 62   | 707160   | 49.698  | ug/l  | 100      |
| 43) Isopropyl Acetate          | 6.42  | 43   | 1337538  | 51.268  | ug/l  | 100      |
| 44) Trichloroethene            | 7.19  | 130  | 707396   | 51.131  | ug/l  | 100      |
| 45) 1,2-Dichloropropane        | 7.50  | 63   | 527076   | 51.258  | ug/l  | 100      |
| 46) Dibromomethane             | 7.64  | 93   | 373151   | 48.210  | ug/l  | 100      |
| 47) Bromodichloromethane       | 7.88  | 83   | 690046   | 52.691  | ug/l  | 100      |
| 48) Methyl methacrylate        | 7.75  | 41   | 666706   | 52.482  | ug/l  | 100      |
| 49) 1,4-Dioxane                | 7.72  | 88   | 234488   | 950.620 | ug/l  | 100      |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 3899807  | 257.853 | ug/l  | 100      |
| 52) Toluene                    | 8.77  | 92   | 1277692  | 50.300  | ug/l  | 100      |
| 53) t-1,3-Dichloropropene      | 9.03  | 75   | 851671   | 52.200  | ug/l  | 100      |
| 54) cis-1,3-Dichloropropene    | 8.42  | 75   | 893331   | 51.369  | ug/l  | 100      |
| 55) 1,1,2-Trichloroethane      | 9.20  | 97   | 512121   | 52.307  | ug/l  | 100      |
| 56) Ethyl methacrylate         | 9.16  | 69   | 855128   | 52.104  | ug/l  | 100      |
| 57) 1,3-Dichloropropane        | 9.36  | 76   | 868277   | 50.934  | ug/l  | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.29  | 63   | 2151664  | 259.744 | ug/l  | 100      |
| 59) 2-Hexanone                 | 9.48  | 43   | 2977038  | 260.968 | ug/l  | 100      |
| 60) Dibromochloromethane       | 9.57  | 129  | 515560   | 53.834  | ug/l  | 100      |
| 61) 1,2-Dibromoethane          | 9.65  | 107  | 542648   | 49.642  | ug/l  | 100      |
| 64) Tetrachloroethene          | 9.32  | 164  | 919918   | 48.205  | ug/l  | 100      |
| 65) Chlorobenzene              | 10.12 | 112  | 1399835  | 50.898  | ug/l  | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 535324   | 53.064  | ug/l  | 100      |
| 67) Ethyl Benzene              | 10.24 | 91   | 2463360  | 50.641  | ug/l  | 100      |
| 68) m/p-Xylenes                | 10.34 | 106  | 1855311  | 102.048 | ug/l  | 100      |
| 69) o-Xylene                   | 10.68 | 106  | 896691   | 50.245  | ug/l  | 100      |
| 70) Styrene                    | 10.70 | 104  | 1610314  | 52.490  | ug/l  | 100      |
| 71) Bromoform                  | 10.84 | 173  | 350753   | 60.409  | ug/l  | 100      |
| 73) Isopropylbenzene           | 11.01 | 105  | 2460651  | 52.416  | ug/l  | 100      |
| 74) N-amyl acetate             | 10.88 | 43   | 1218603  | 50.936  | ug/l  | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 511518   | 52.878  | ug/l  | 100      |
| 76) 1,2,3-Trichloropropane     | 11.28 | 75   | 953644   | 56.276  | ug/l  | 84       |
| 77) Bromobenzene               | 11.24 | 156  | 664630   | 52.238  | ug/l  | 100      |
| 78) n-propylbenzene            | 11.34 | 91   | 2781748  | 51.669  | ug/l  | 100      |
| 79) 2-Chlorotoluene            | 11.41 | 91   | 1650500  | 51.494  | ug/l  | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 2081537  | 52.470  | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.06 | 75   | 302060   | 55.784  | ug/l  | 100      |
| 82) 4-Chlorotoluene            | 11.49 | 91   | 1943200  | 50.842  | ug/l  | 100      |
| 83) tert-Butylbenzene          | 11.76 | 119  | 1843323  | 52.248  | ug/l  | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 2121820  | 51.436  | ug/l  | 100      |
| 85) sec-Butylbenzene           | 11.93 | 105  | 2394752  | 51.383  | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 2256554  | 52.013  | ug/l  | 100      |
| 87) 1,3-Dichlorobenzene        | 12.01 | 146  | 1203770  | 51.398  | ug/l  | 100      |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 1143113  | 48.977  | ug/l  | 100      |
| 89) n-Butylbenzene             | 12.37 | 91   | 1980949  | 51.234  | ug/l  | 100      |
| 90) Hexachloroethane           | 12.58 | 117  | 247020   | 64.591  | ug/l  | 100      |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 1127905  | 51.077  | ug/l  | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 144153   | 51.885  | ug/l  | 100      |

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Operator : JC/SP  
Sample : VSTDICCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 5 Sample Multiplier: 1

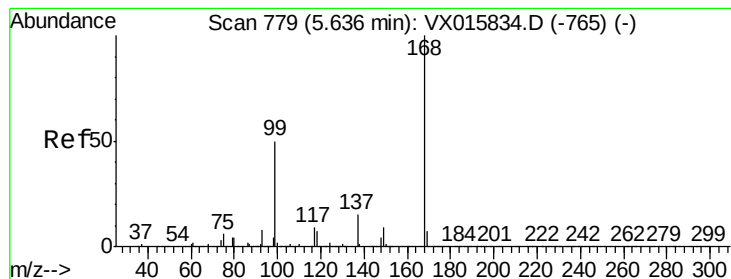
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Quant Time: Apr 22 11:52:25 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042220W.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 22 11:43:26 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.63 | 180  | 897280   | 51.458 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 13.77 | 225  | 395208   | 50.943 | ug/l  | 100      |
| 95) Naphthalene            | 13.82 | 128  | 2637049  | 52.706 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 869505   | 51.566 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

Instrument :

MSVOA\_X

ClientSampleId :

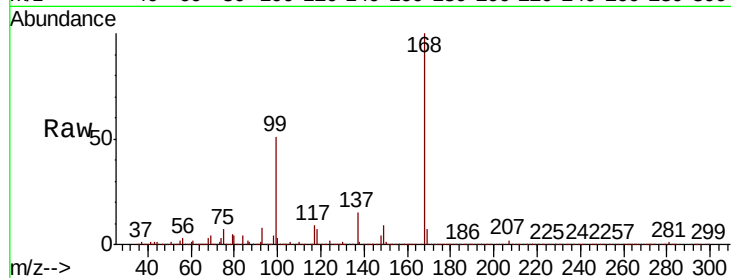
VSTDICCC050

Tot Ion:168 Resp: 972757

Ion Ratio Lower Upper

168 100

99 50.4 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

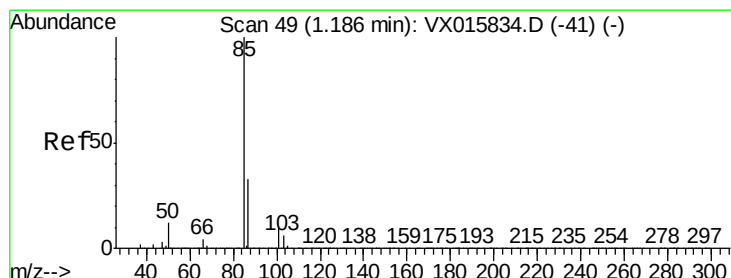
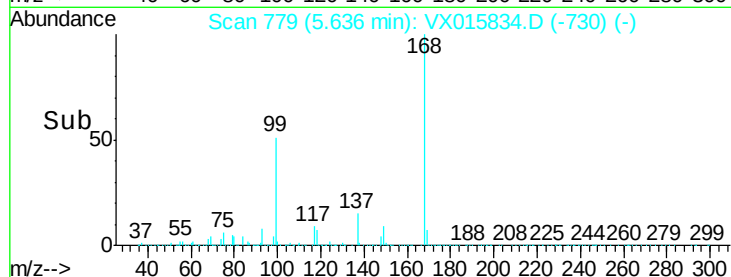
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 60.864 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX015834.D

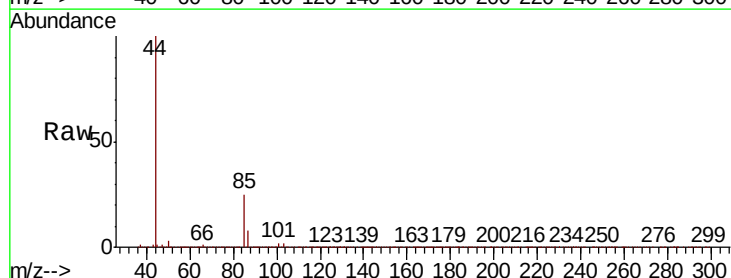
Acq: 22 Apr 2020 11:06

Tgt Ion: 85 Resp: 478639

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

600000

500000

400000

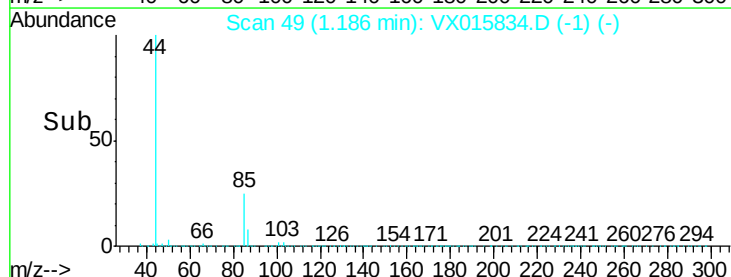
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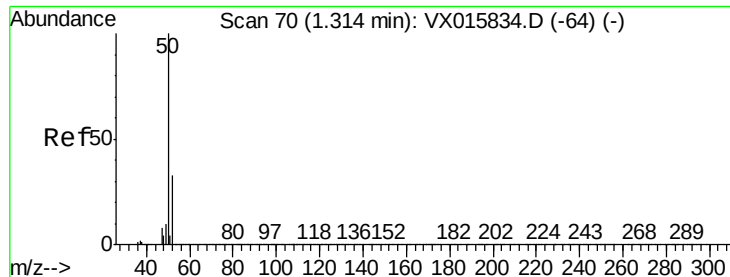
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Time-->

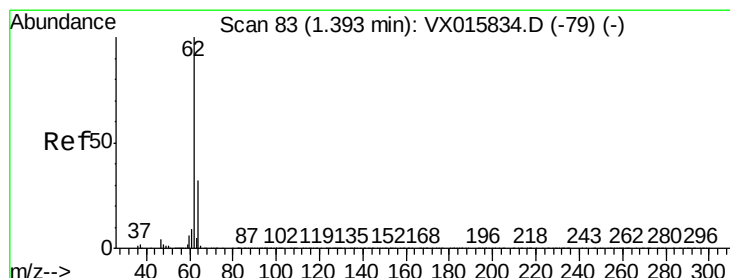
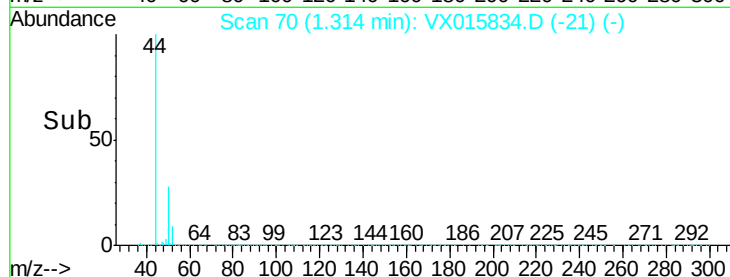
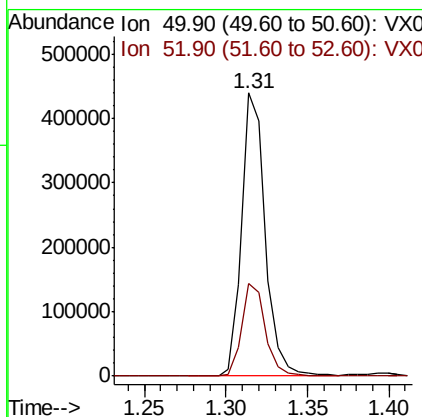
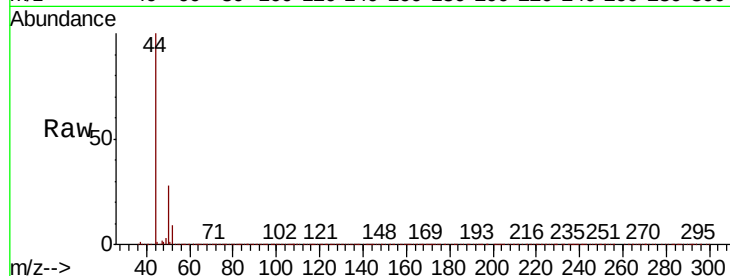




#3  
Chloromethane  
Concen: 53.412 ug/l  
RT: 1.31 min Scan# 70  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

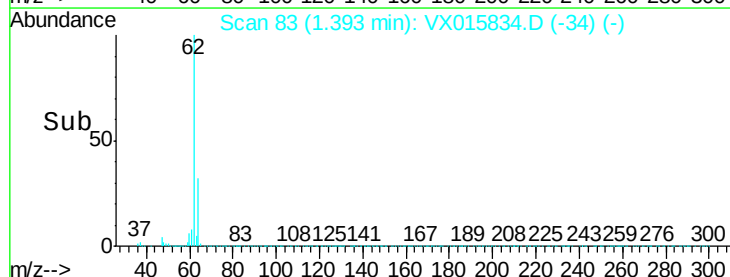
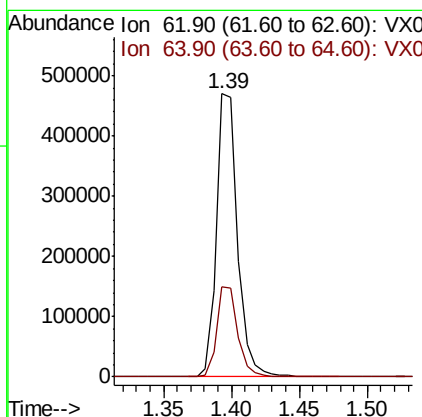
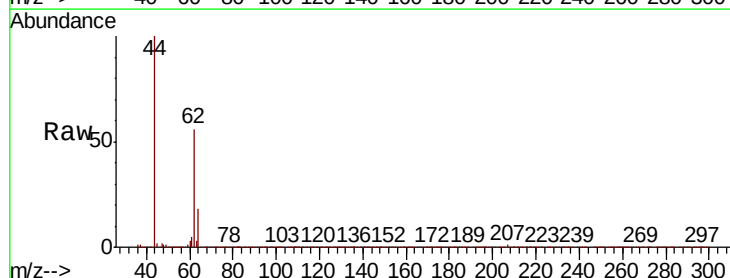
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

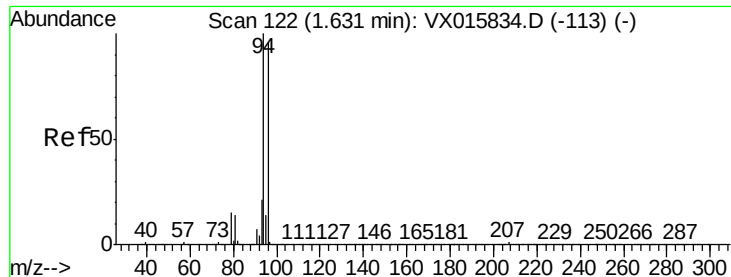
Tot Ion: 50 Resp: 444913  
Ion Ratio Lower Upper  
50 100  
52 32.8 26.2 39.4



#4  
Vinyl Chloride  
Concen: 51.312 ug/l  
RT: 1.39 min Scan# 83  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

Tgt Ion: 62 Resp: 503645  
Ion Ratio Lower Upper  
62 100  
64 31.8 25.4 38.2

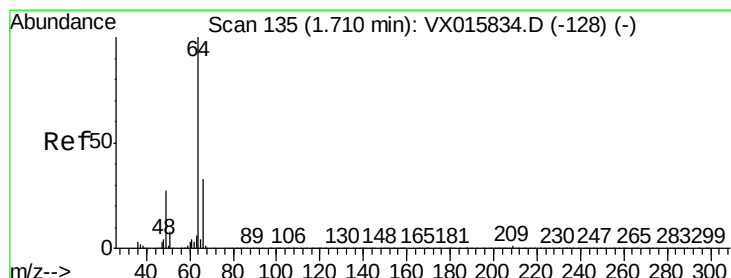
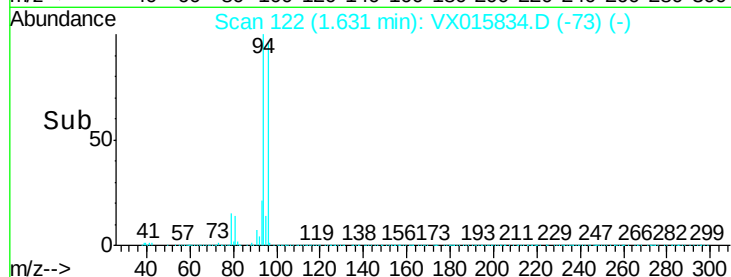
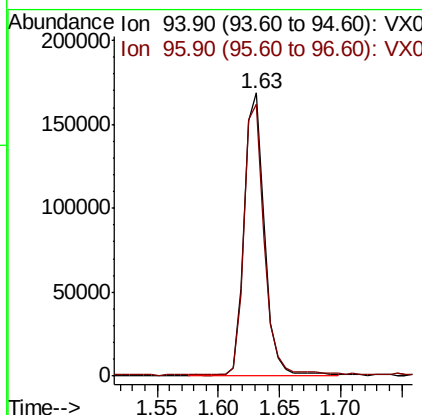
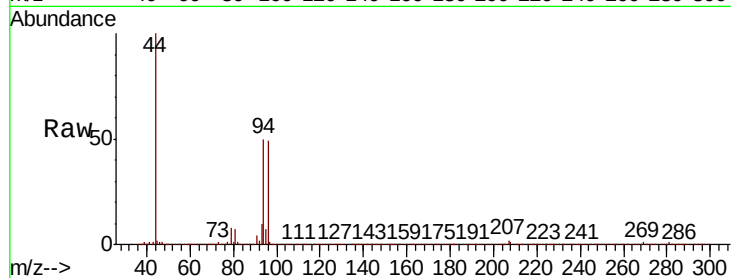




#5  
Bromomethane  
Concen: 48.526 ug/l  
RT: 1.63 min Scan# 122  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

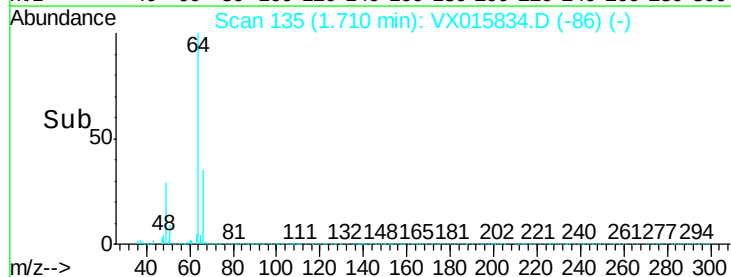
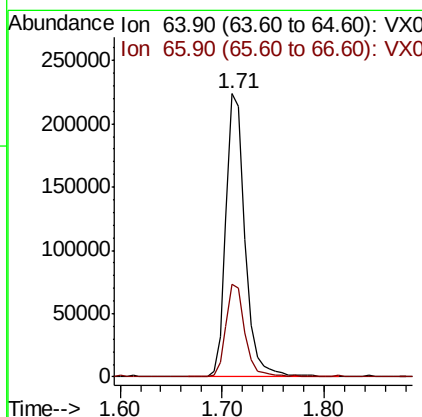
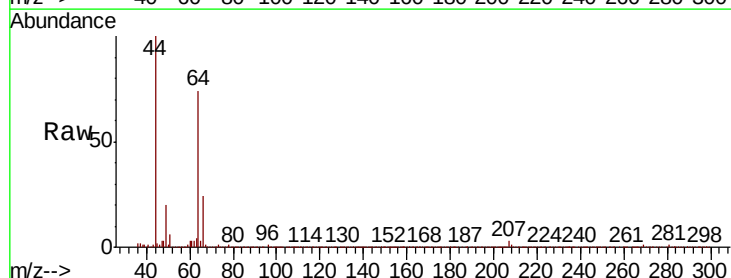
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tot Ion: 94 Resp: 191941  
Ion Ratio Lower Upper  
94 100  
96 95.9 76.7 115.1

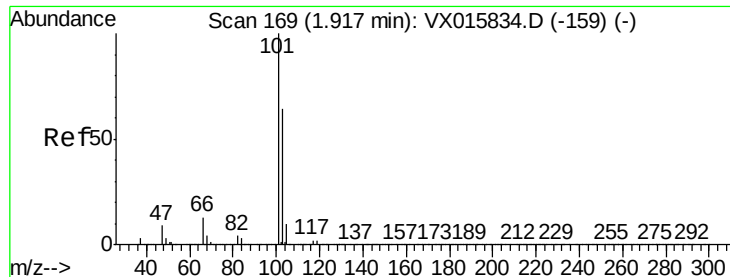


#6  
Chloroethane  
Concen: 51.262 ug/l  
RT: 1.71 min Scan# 135  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

Tgt Ion: 64 Resp: 288553  
Ion Ratio Lower Upper  
64 100  
66 32.7 26.2 39.2





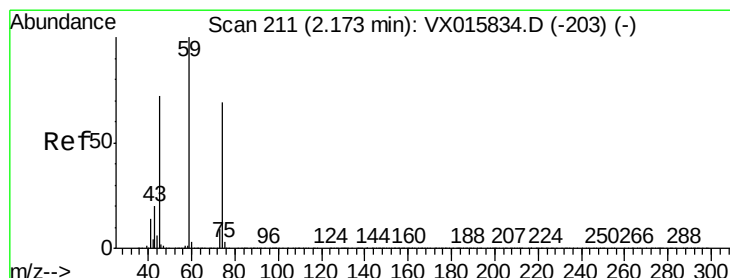
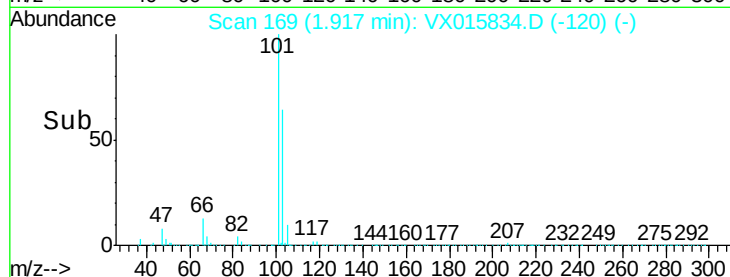
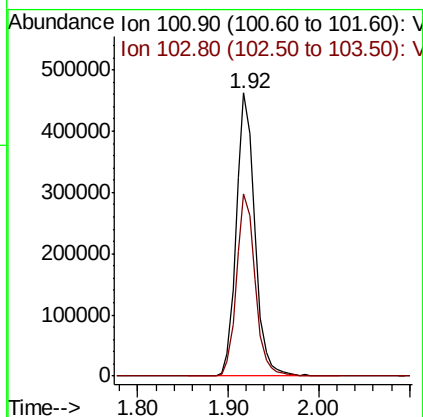
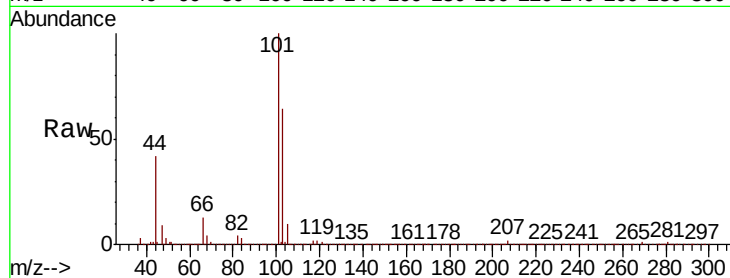


#7

Trichlorofluoromethane  
Concen: 52.838 ug/l  
RT: 1.92 min Scan# 169  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

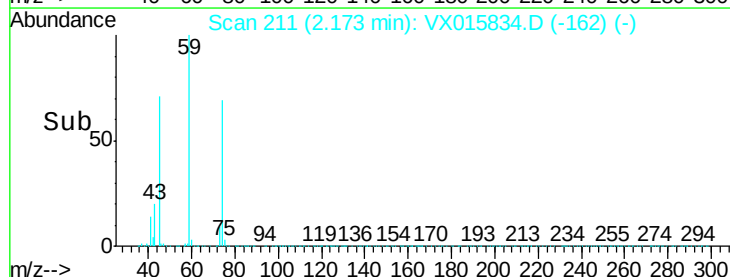
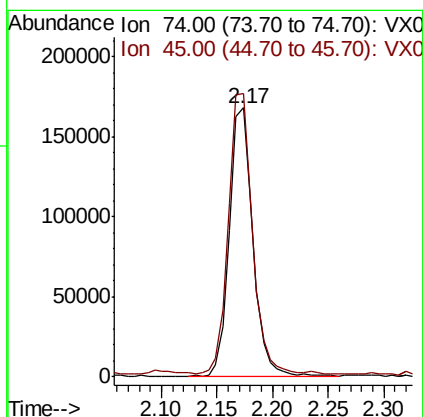
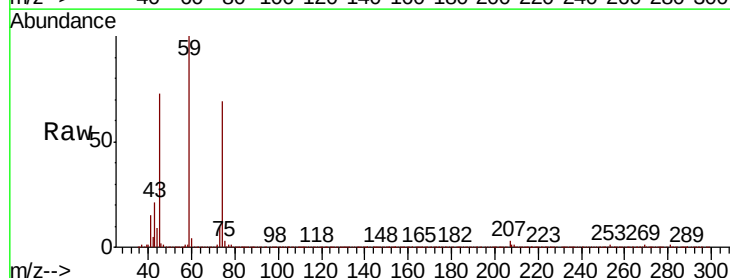
Tot Ion:101 Resp: 654070  
Ion Ratio Lower Upper  
101 100  
103 64.2 51.4 77.0



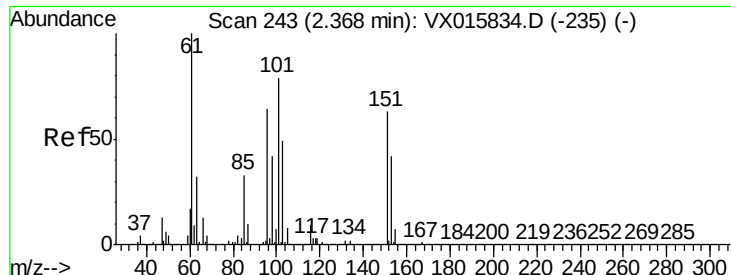
#8

Diethyl Ether  
Concen: 49.055 ug/l  
RT: 2.17 min Scan# 211  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

Tgt Ion: 74 Resp: 245287  
Ion Ratio Lower Upper  
74 100  
45 107.6 53.8 161.4







#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.967 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

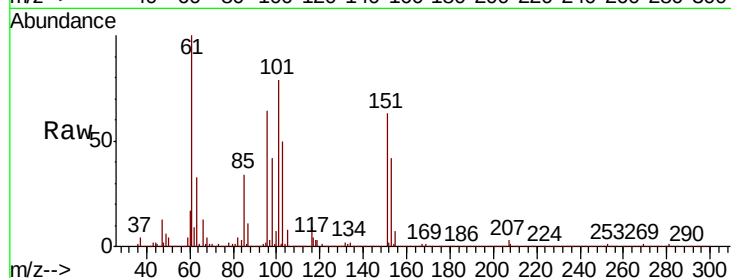
Tot Ion:101 Resp: 410597

Ion Ratio Lower Upper

101 100

85 42.2 33.8 50.6

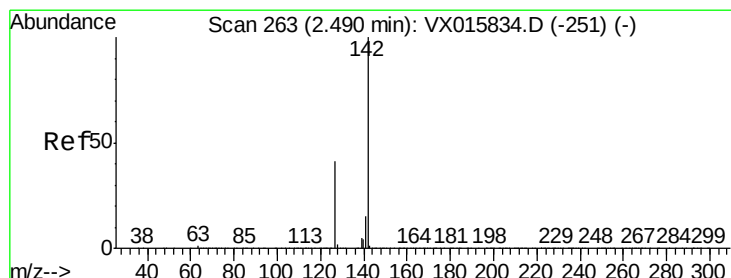
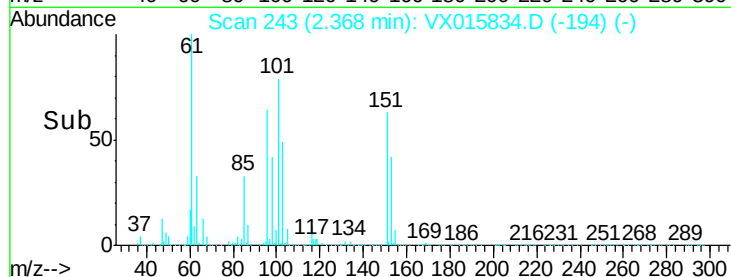
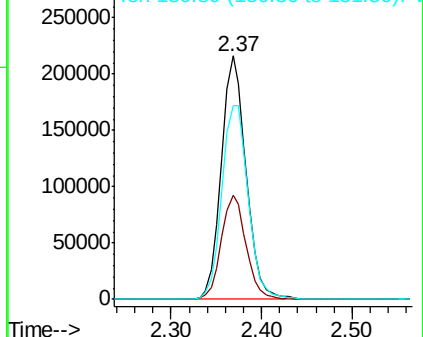
151 84.7 67.8 101.6



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: 54.642 ug/l

RT: 2.49 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

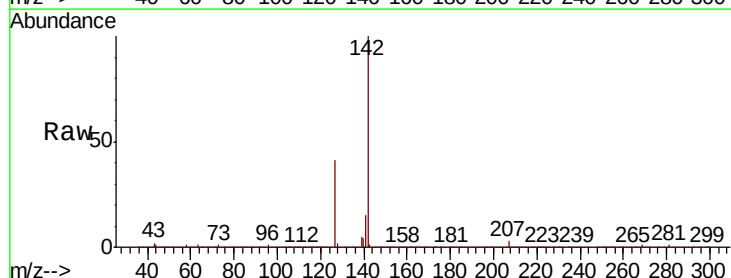
Tgt Ion:142 Resp: 525605

Ion Ratio Lower Upper

142 100

127 41.6 33.3 49.9

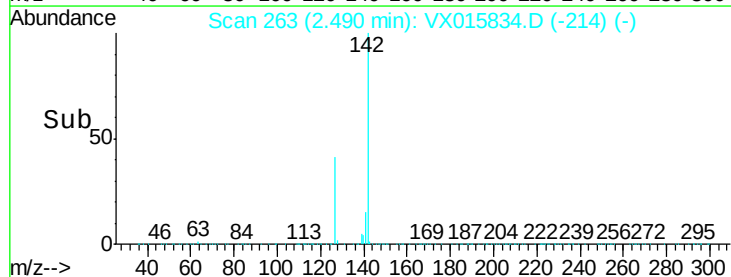
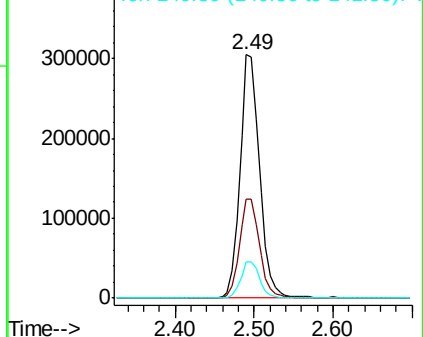
141 14.7 11.8 17.6

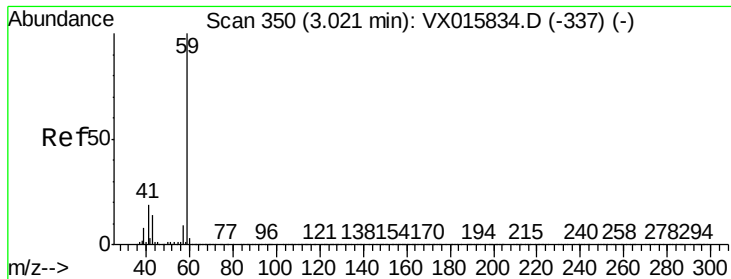


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



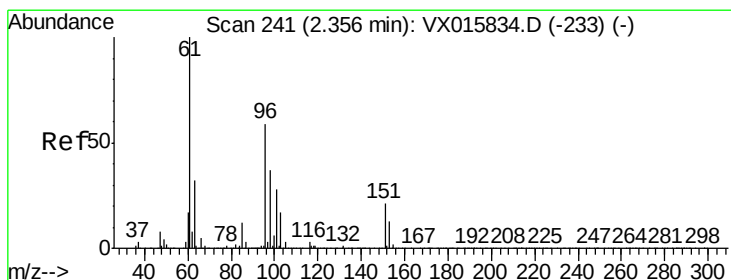
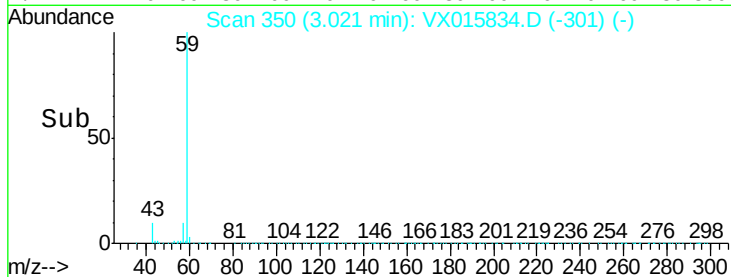
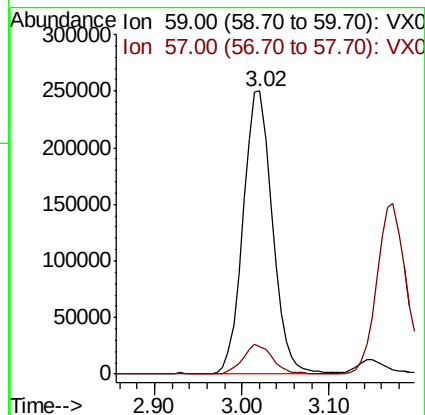
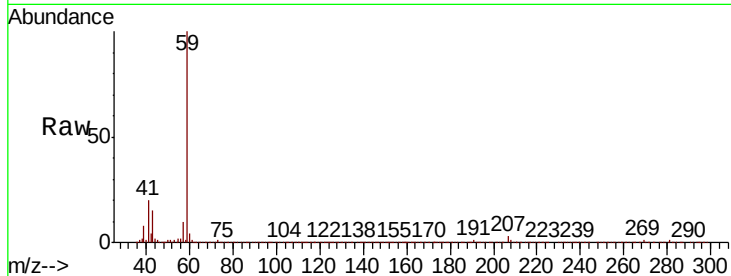


#11

Tert butyl alcohol  
Concen: 265.972 ug/l  
RT: 3.02 min Scan# 350  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

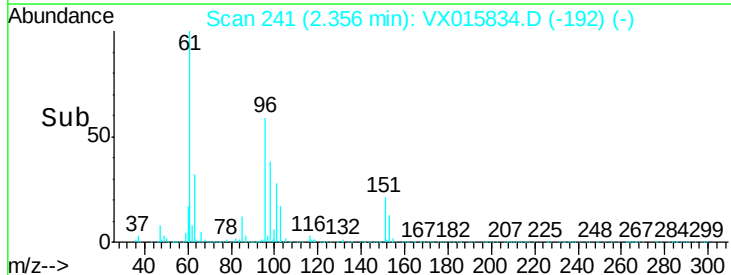
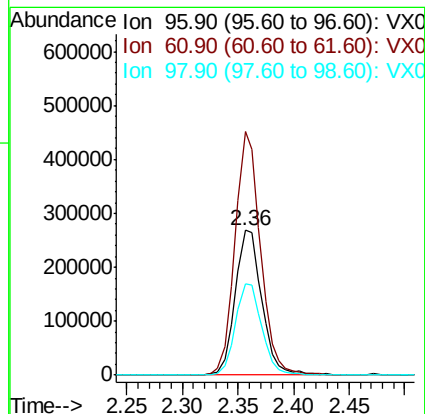
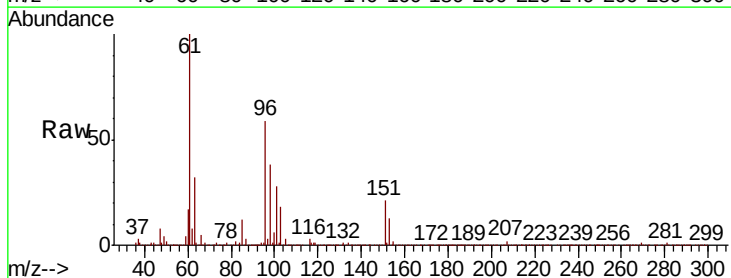
Tot Ion: 59 Resp: 582581  
Ion Ratio Lower Upper  
59 100  
57 10.2 8.2 12.2

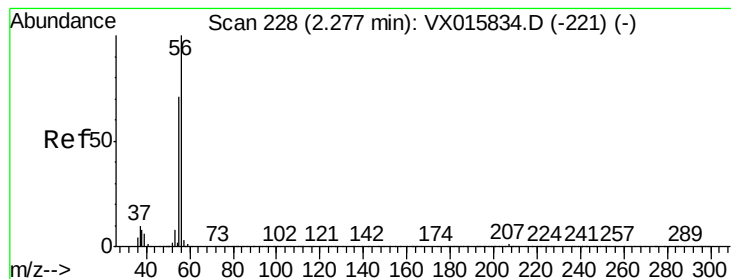


#12

1,1-Dichloroethene  
Concen: 51.507 ug/l  
RT: 2.36 min Scan# 241  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

Tgt Ion: 96 Resp: 438282  
Ion Ratio Lower Upper  
96 100  
61 168.8 135.0 202.6  
98 63.3 50.6 76.0





#13

Acrolein

Concen: 245.142 ug/l

RT: 2.28 min Scan# 228

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

Instrument :

MSVOA\_X

ClientSampleId :

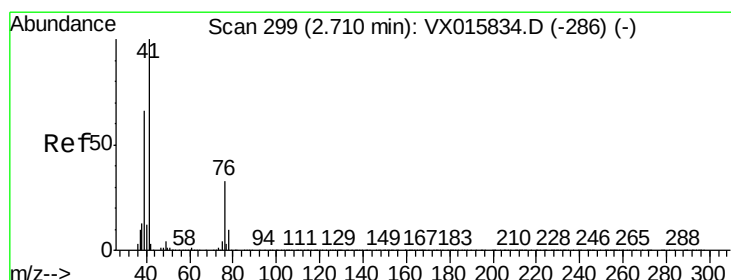
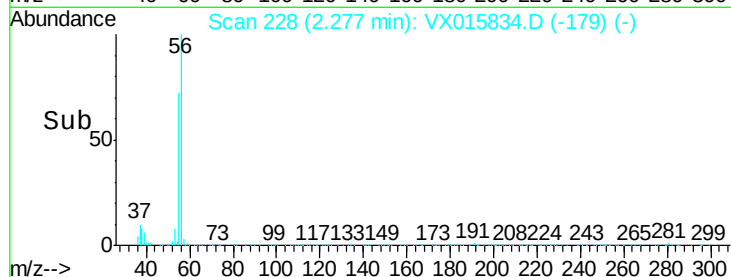
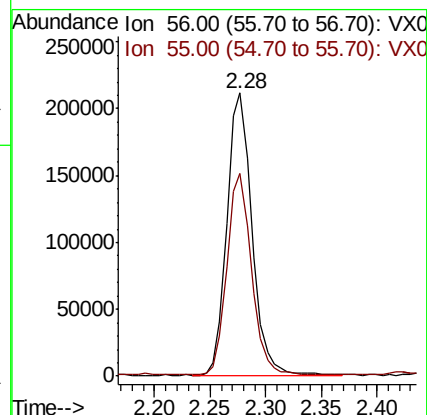
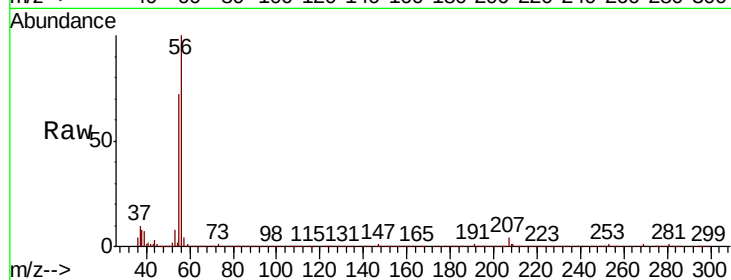
VSTDICCC050

Tot Ion: 56 Resp: 329238

Ion Ratio Lower Upper

56 100

55 70.1 56.1 84.1



#14

Allyl chloride

Concen: 51.656 ug/l

RT: 2.71 min Scan# 299

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

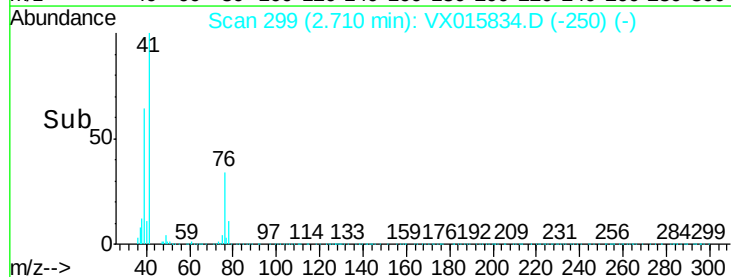
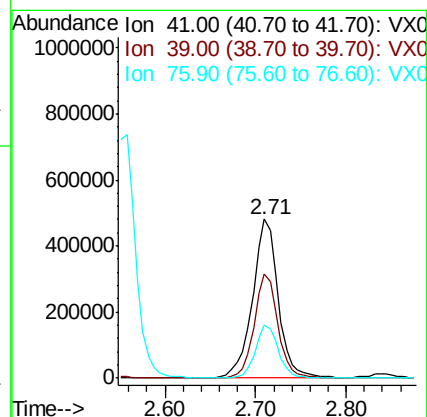
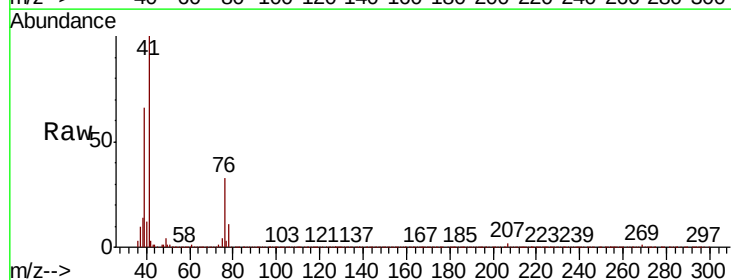
Tgt Ion: 41 Resp: 941272

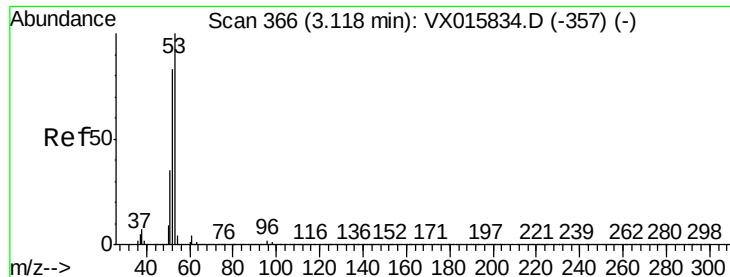
Ion Ratio Lower Upper

41 100

39 60.5 48.4 72.6

76 29.8 23.8 35.8





#15

Acrylonitrile

Concen: 265.382 ug/l

RT: 3.12 min Scan# 366

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

Instrument :

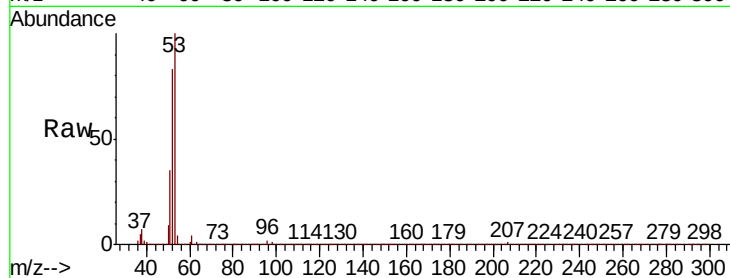
MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 53 Resp: 1374625

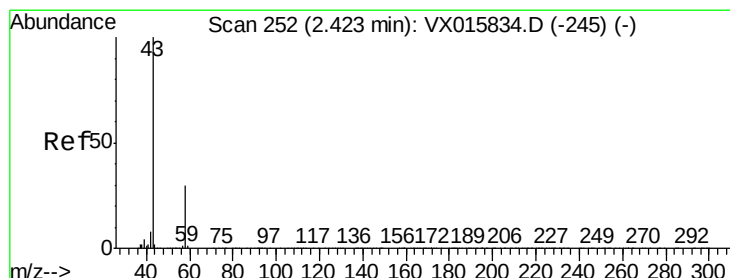
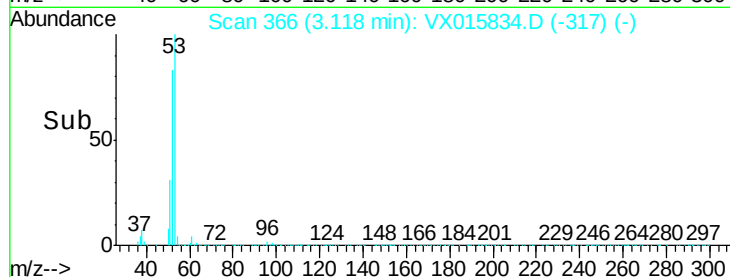
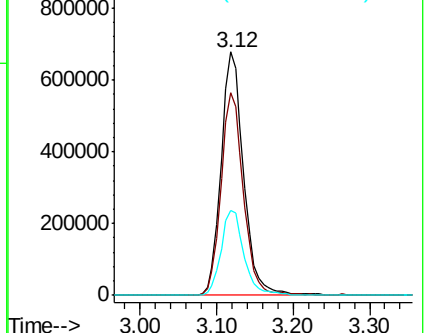
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 82.8  | 66.2  | 99.4  |
| 51  | 35.8  | 28.6  | 43.0  |



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: 228.163 ug/l

RT: 2.42 min Scan# 252

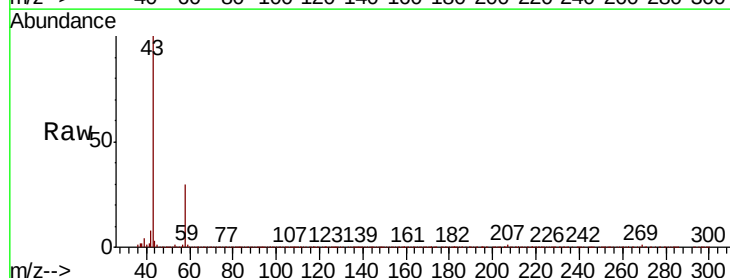
Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

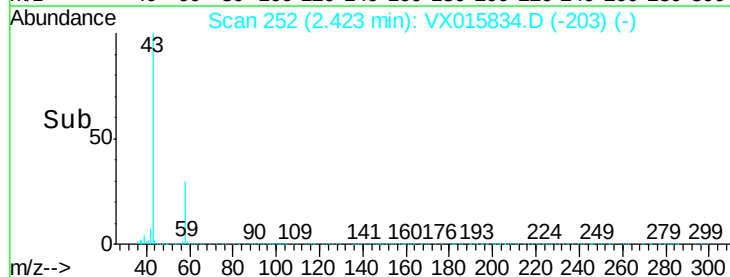
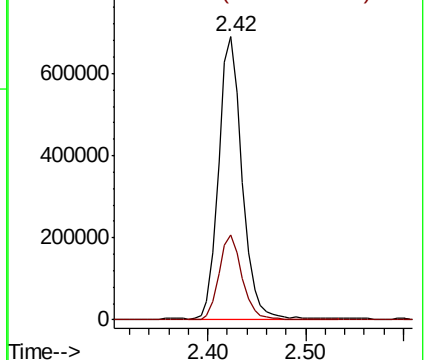
Tgt Ion: 43 Resp: 1140035

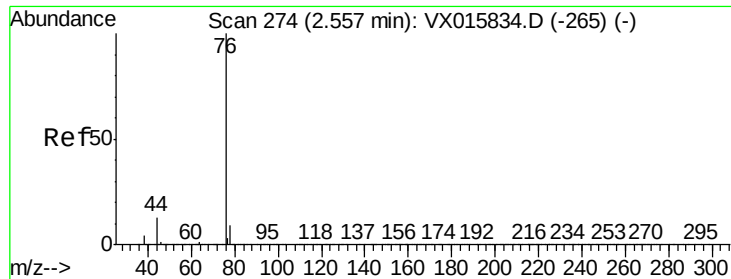
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 30.0  | 24.0  | 36.0  |



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

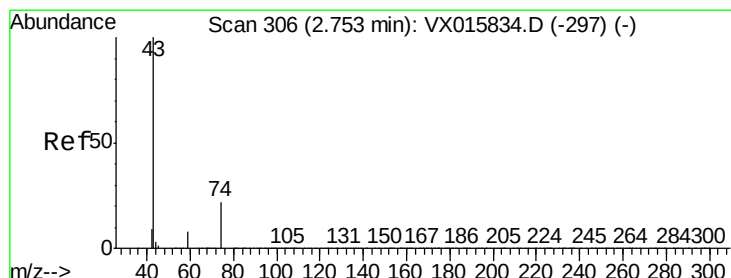
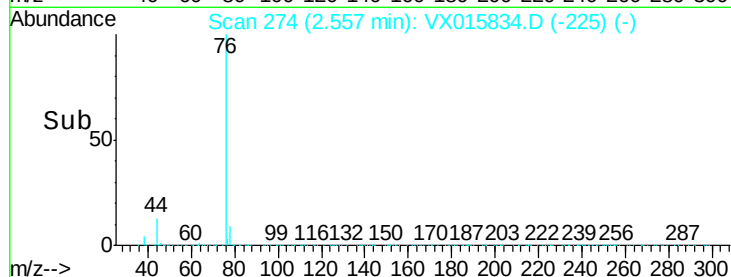
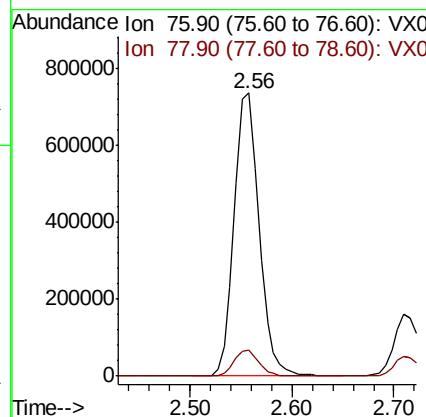
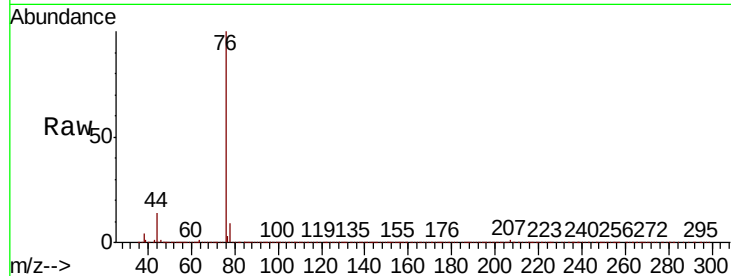




#17  
Carbon Disulfide  
Concen: 36.165 ug/l  
RT: 2.56 min Scan# 274  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

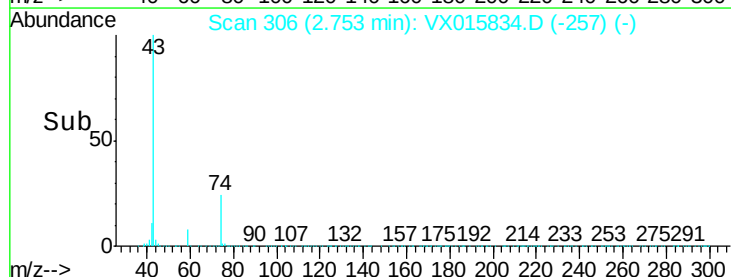
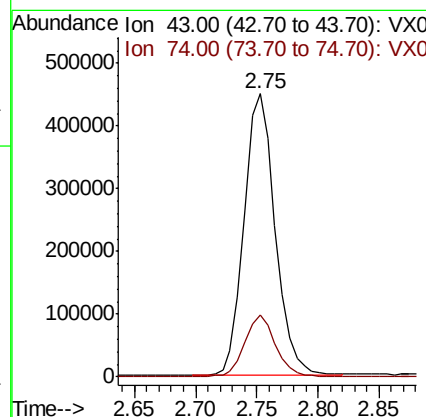
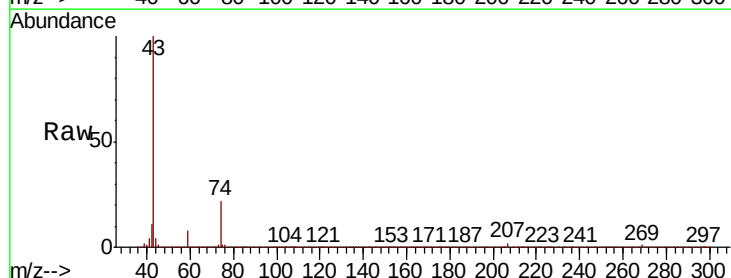
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

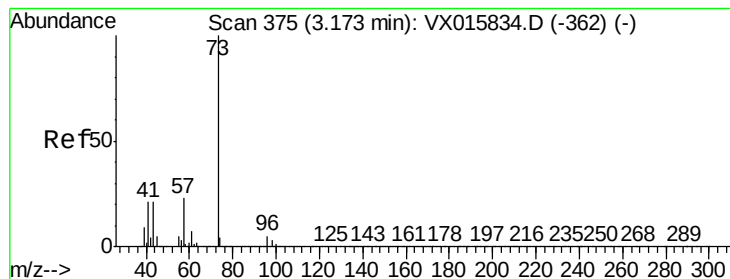
Tot Ion: 76 Resp: 1246964  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.4 11.2



#18  
Methyl Acetate  
Concen: 50.292 ug/l  
RT: 2.75 min Scan# 306  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

Tgt Ion: 43 Resp: 797343  
Ion Ratio Lower Upper  
43 100  
74 22.4 17.9 26.9





#19

Methyl tert-butyl Ether  
 Concen: 52.004 ug/l  
 RT: 3.17 min Scan# 375  
 Delta R.T. 0.00 min  
 Lab File: VX015834.D  
 Acq: 22 Apr 2020 11:06

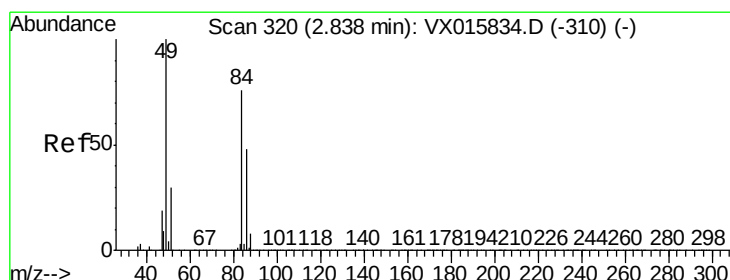
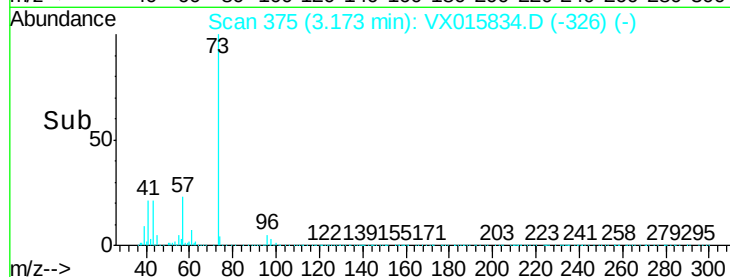
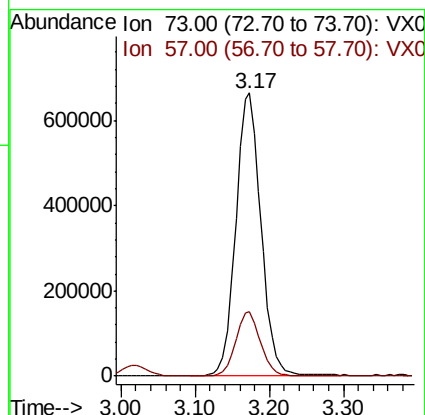
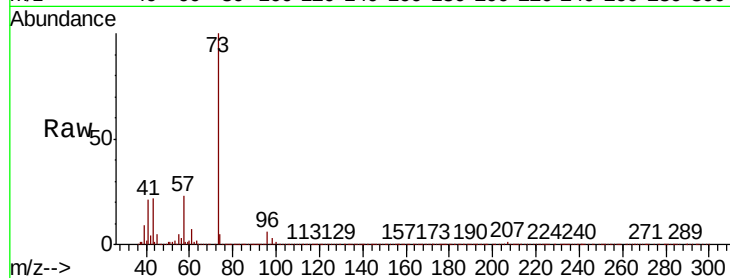
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Tot Ion: 73 Resp: 1555986

Ion Ratio Lower Upper

73 100

57 22.6 18.1 27.1



#20

Methylene Chloride  
 Concen: 49.134 ug/l  
 RT: 2.84 min Scan# 320  
 Delta R.T. 0.00 min  
 Lab File: VX015834.D  
 Acq: 22 Apr 2020 11:06

Tgt Ion: 84 Resp: 487113

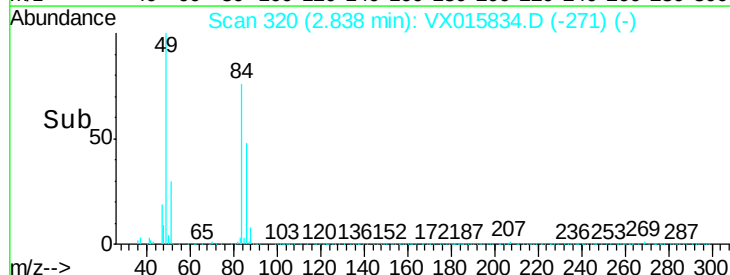
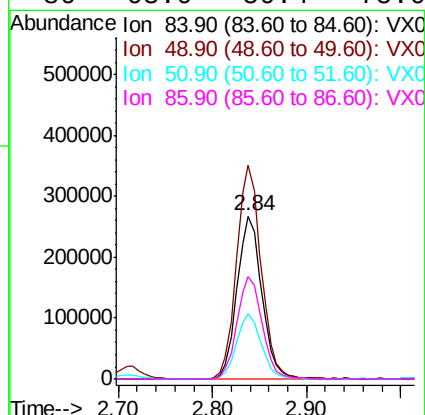
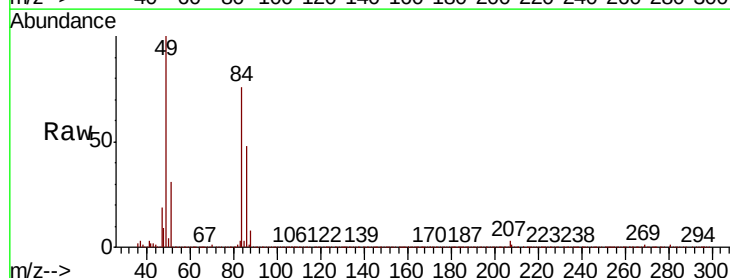
Ion Ratio Lower Upper

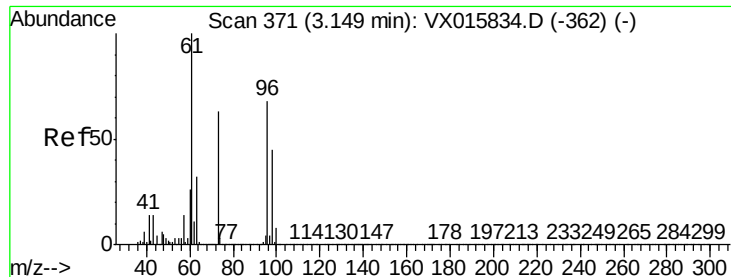
84 100

49 131.1 104.9 157.3

51 40.0 32.0 48.0

86 63.0 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 49.861 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

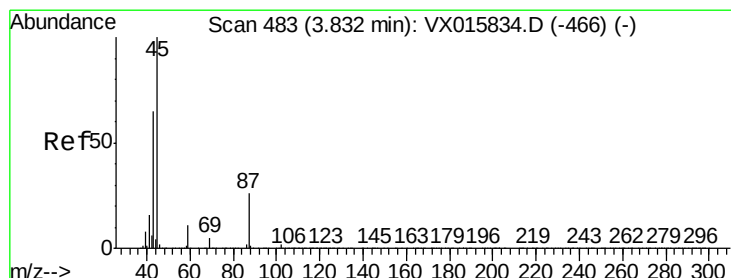
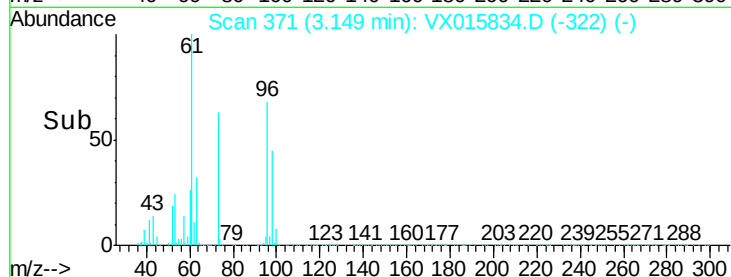
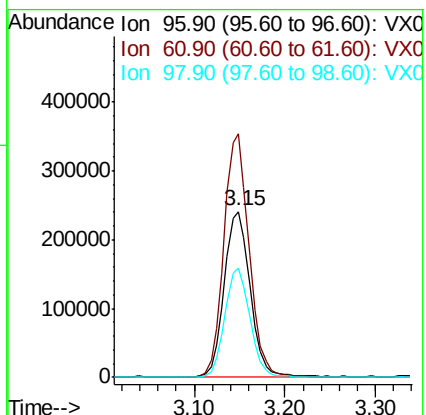
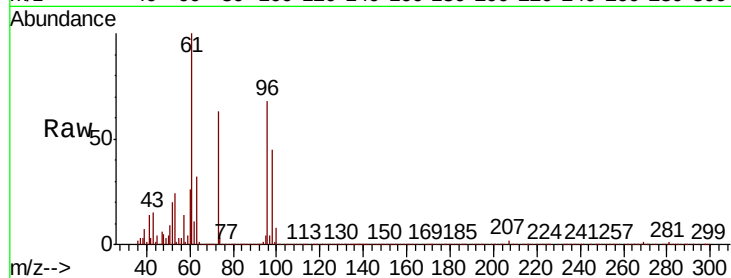
Tot Ion: 96 Resp: 475517

Ion Ratio Lower Upper

96 100

61 146.9 117.5 176.3

98 65.9 52.7 79.1



#22

Diisopropyl ether

Concen: 51.167 ug/l

RT: 3.83 min Scan# 483

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

Tgt Ion: 45 Resp: 1678219

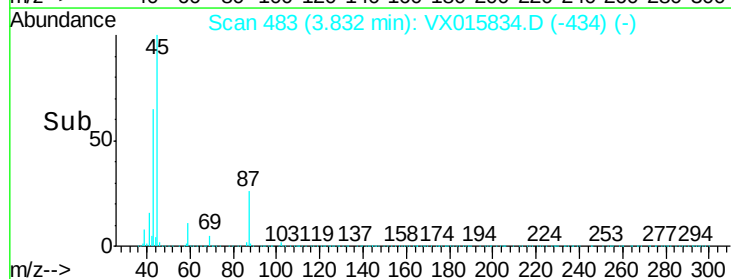
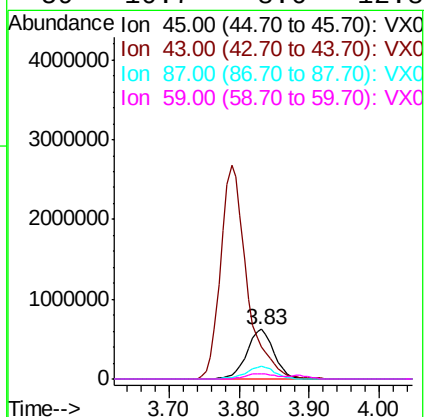
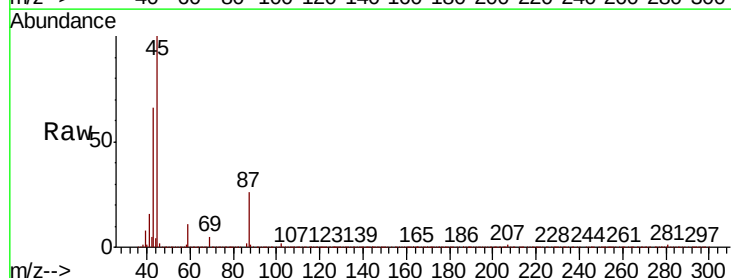
Ion Ratio Lower Upper

45 100

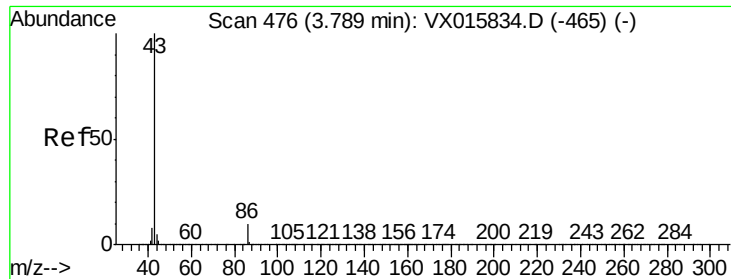
43 65.5 52.4 78.6

87 25.9 20.7 31.1

59 10.7 8.6 12.8







#23

Vinyl Acetate

Concen: 254.737 ug/l

RT: 3.79 min Scan# 476

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

Instrument :

MSVOA\_X

ClientSampleId :

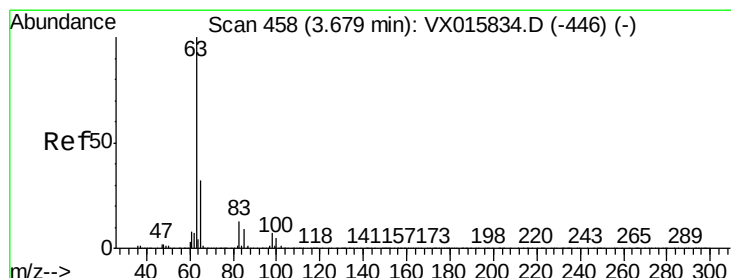
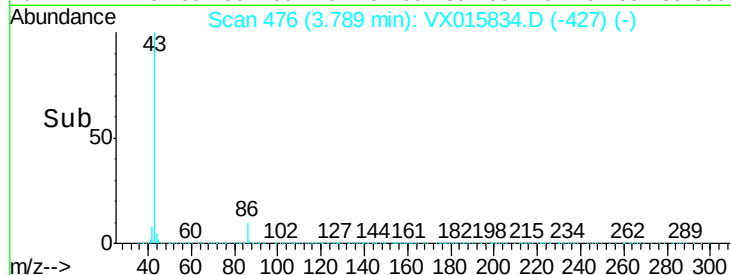
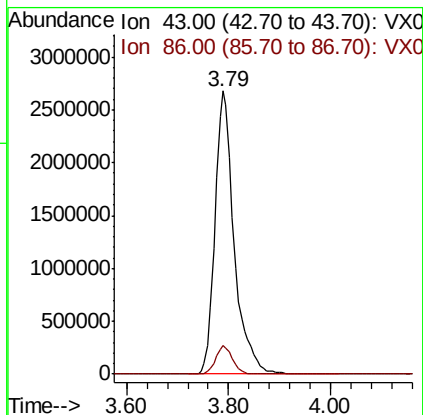
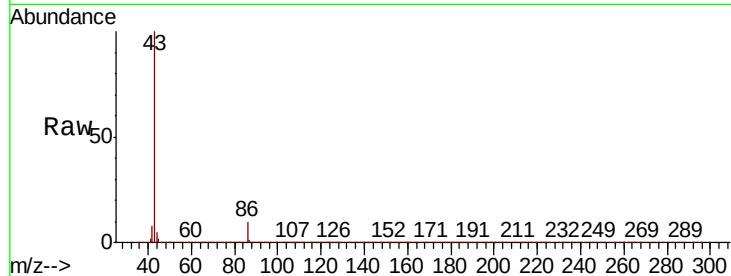
VSTDICCC050

Tot Ion: 43 Resp: 6985215

Ion Ratio Lower Upper

43 100

86 10.0 8.0 12.0



#24

1,1-Dichloroethane

Concen: 51.485 ug/l

RT: 3.68 min Scan# 458

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

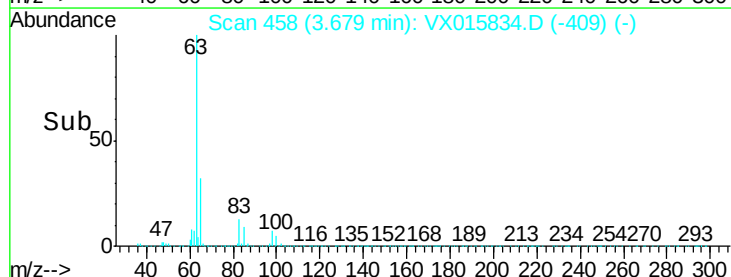
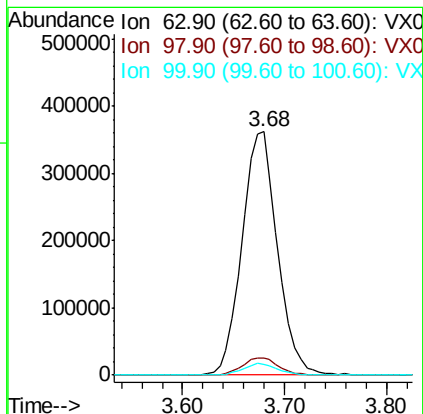
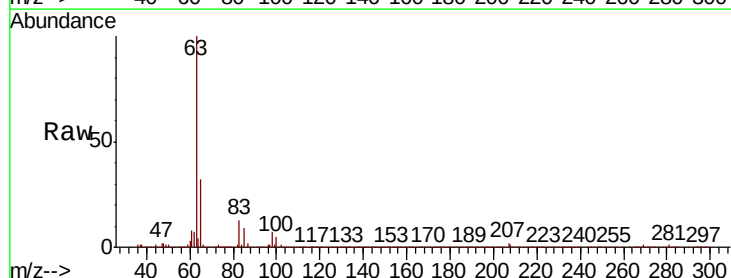
Tgt Ion: 63 Resp: 870424

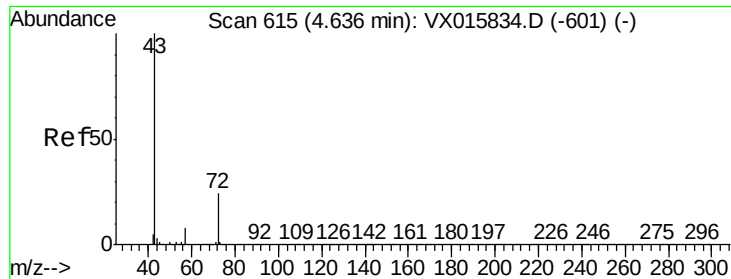
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 4.5 2.3 6.8

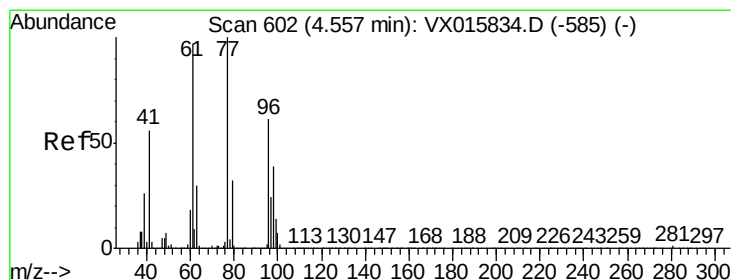
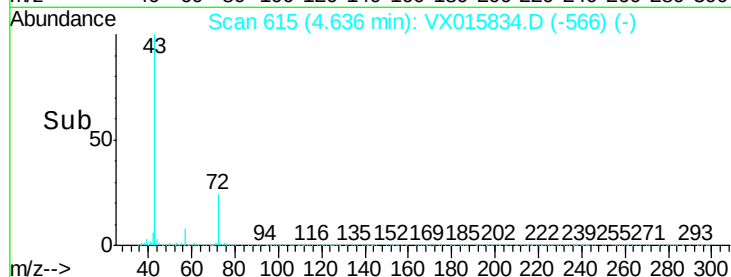
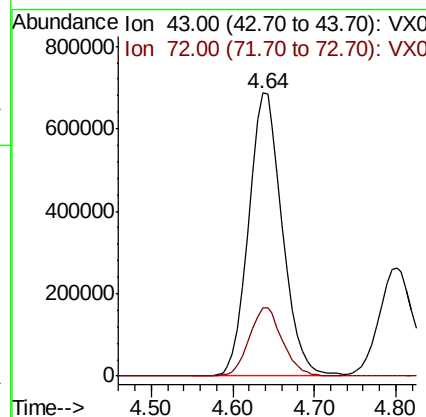
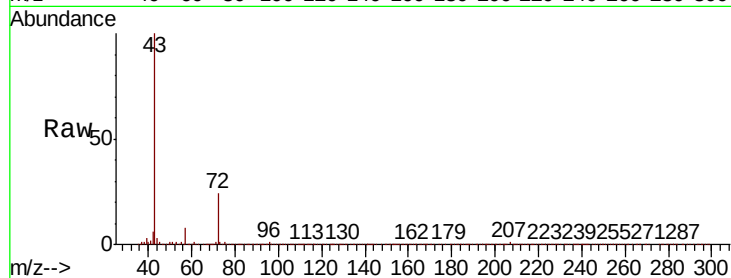




#25  
2-Butanone  
Concen: 259.129 ug/l  
RT: 4.64 min Scan# 615  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

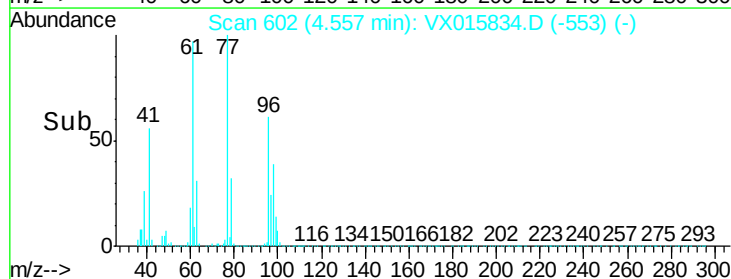
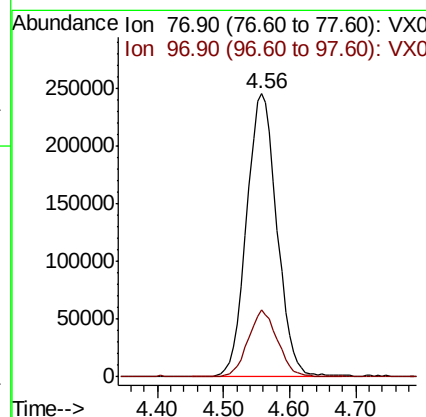
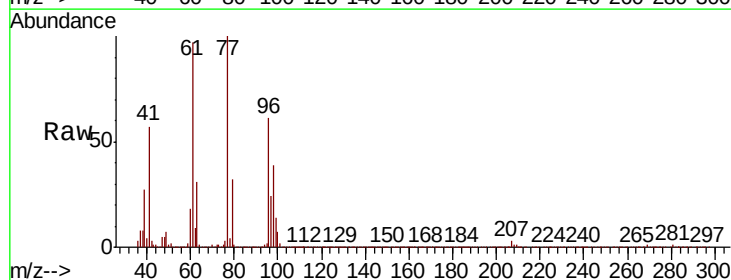
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

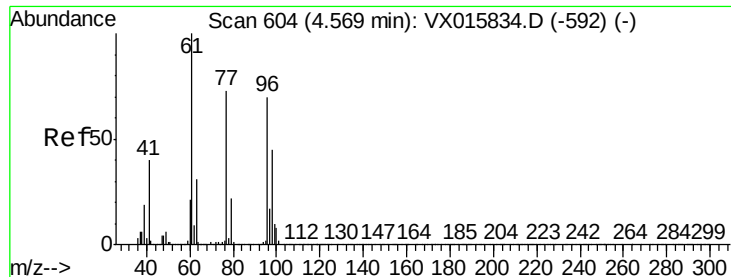
Tot Ion: 43 Resp: 1957471  
Ion Ratio Lower Upper  
43 100  
72 24.3 19.4 29.2



#26  
2,2-Dichloropropane  
Concen: 51.427 ug/l  
RT: 4.56 min Scan# 602  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

Tgt Ion: 77 Resp: 781236  
Ion Ratio Lower Upper  
77 100  
97 22.7 11.4 34.1



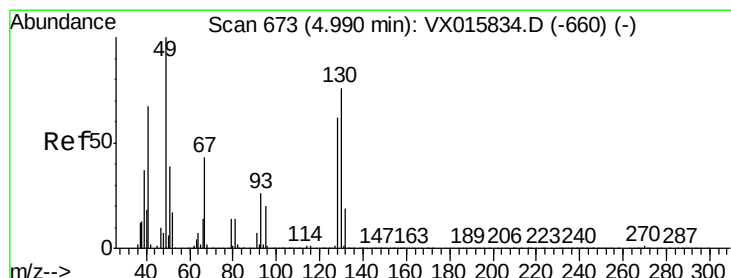
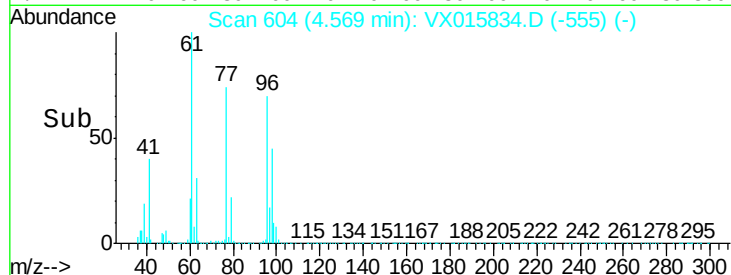
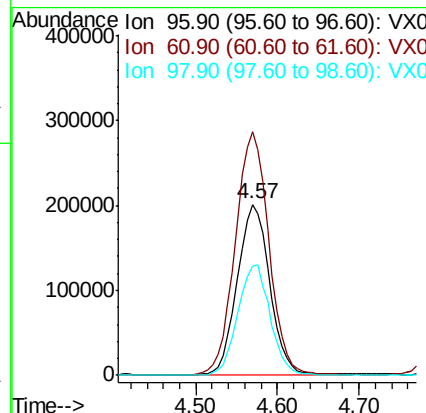
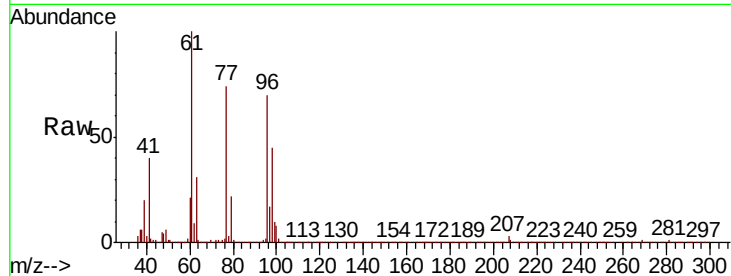


#27

cis-1,2-Dichloroethene  
Concen: 51.366 ug/l  
RT: 4.57 min Scan# 604  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

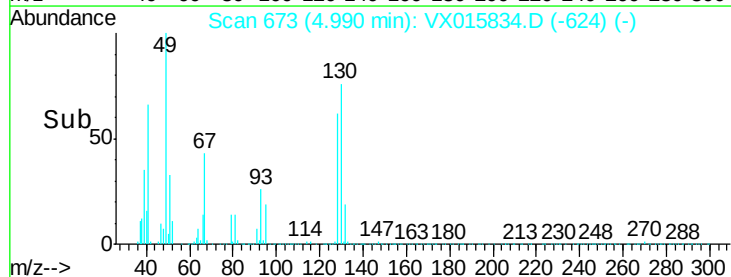
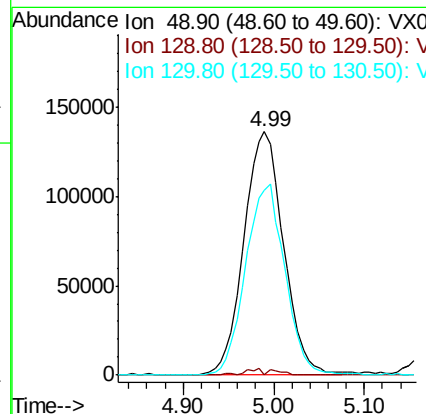
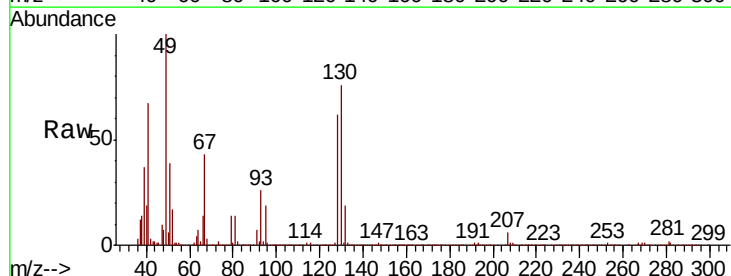
| Tot Ion   | 96    | Resp  | 548186 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 149.7 | 0.0   | 299.4  |
| 98        | 64.8  | 0.0   | 129.6  |

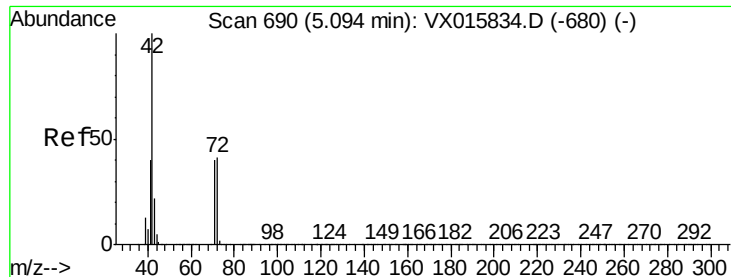


#28

Bromochloromethane  
Concen: 44.685 ug/l  
RT: 4.99 min Scan# 673  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

| Tgt Ion   | 49    | Resp  | 410332 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 49        | 100   |       |        |
| 129       | 0.9   | 0.0   | 1.8    |
| 130       | 78.0  | 62.4  | 93.6   |





#29

Tetrahydrofuran

Concen: 259.750 ug/l

RT: 5.09 min Scan# 690

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

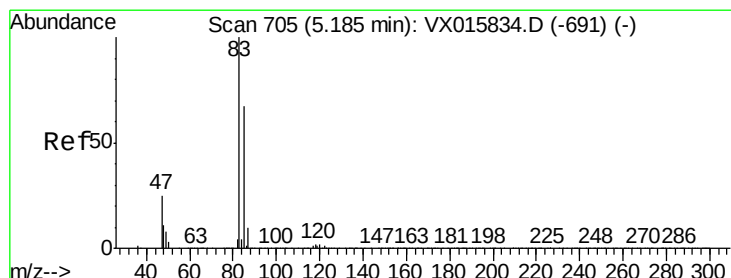
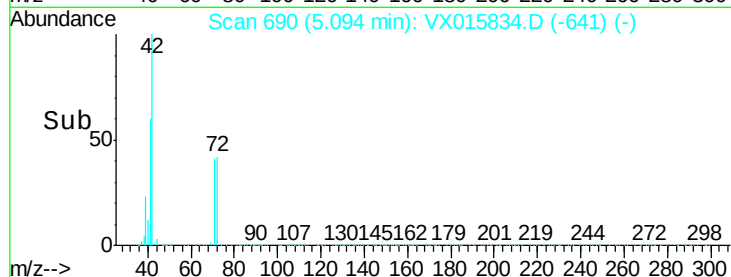
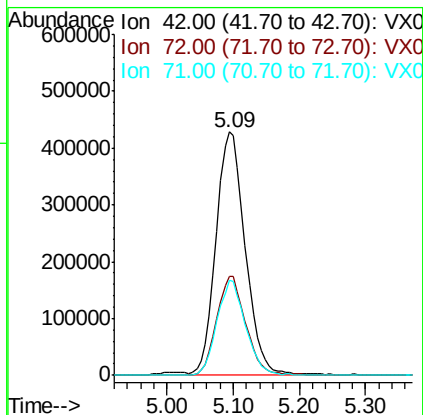
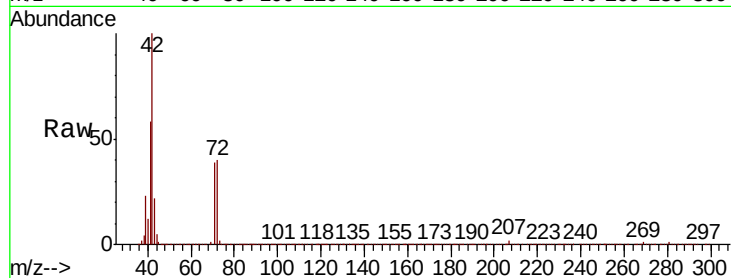
Tot Ion: 42 Resp: 1303183

Ion Ratio Lower Upper

42 100

72 41.3 33.0 49.6

71 38.2 30.6 45.8



#30

Chloroform

Concen: 49.765 ug/l

RT: 5.19 min Scan# 705

Delta R.T. 0.00 min

Lab File: VX015834.D

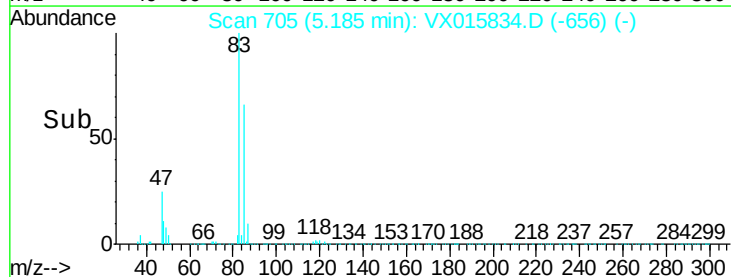
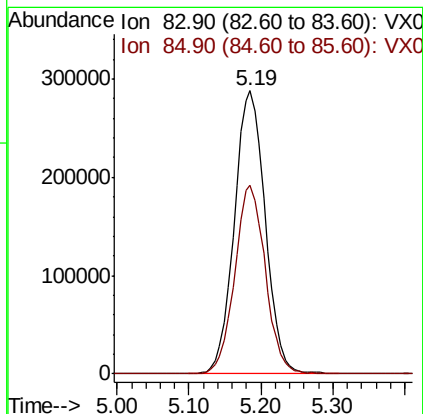
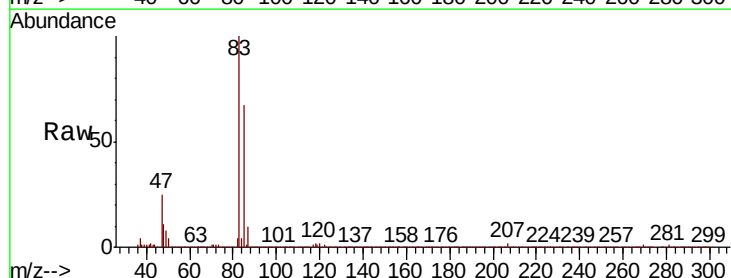
Acq: 22 Apr 2020 11:06

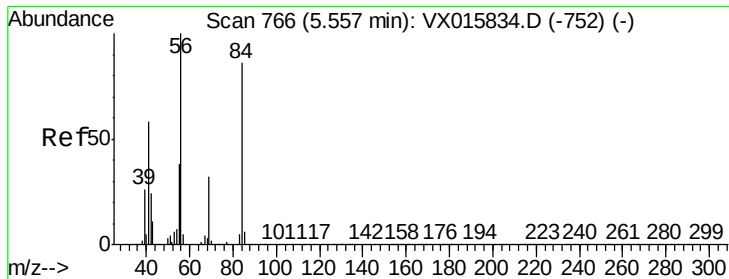
Tgt Ion: 83 Resp: 857037

Ion Ratio Lower Upper

83 100

85 66.7 53.4 80.0

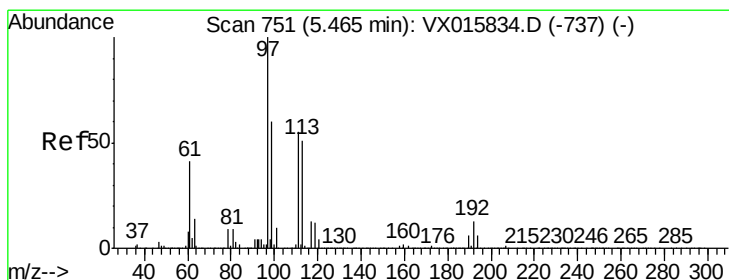
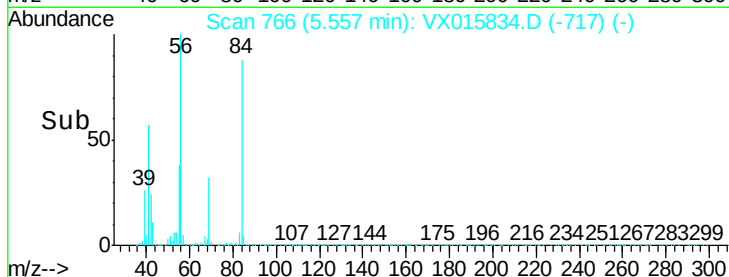
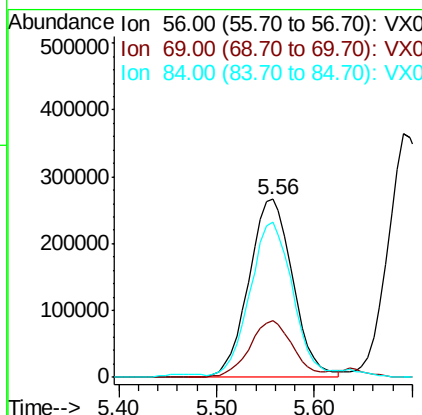
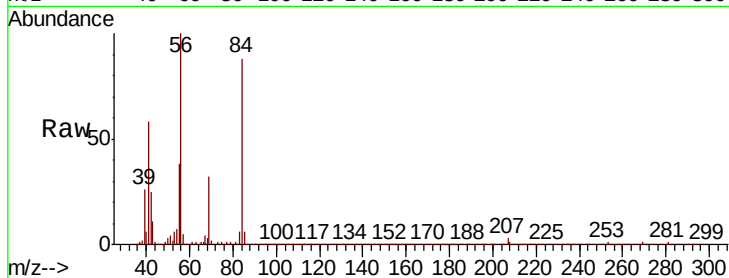




#31  
Cyclohexane  
Concen: 50.510 ug/l  
RT: 5.56 min Scan# 766  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

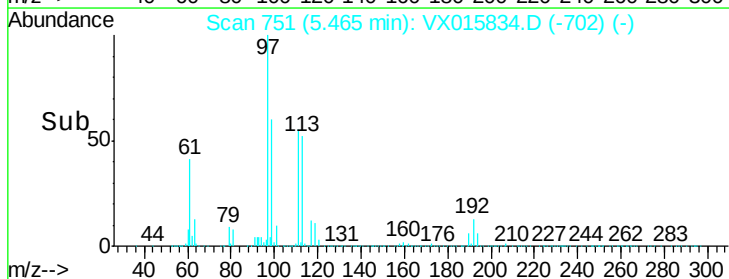
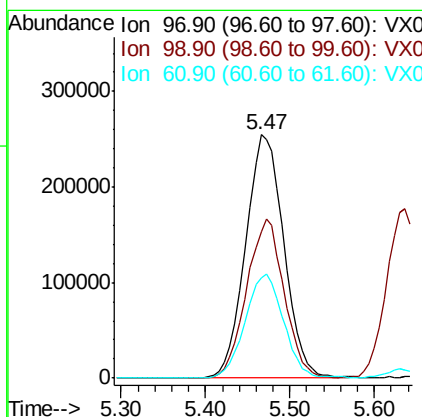
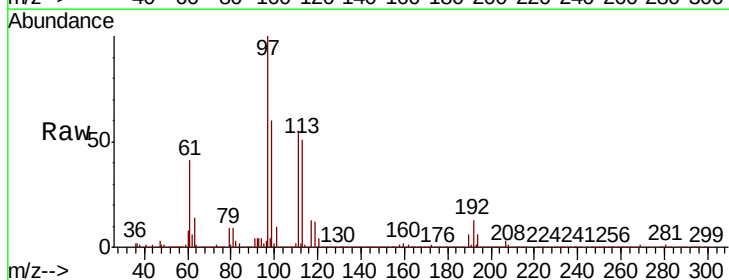
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

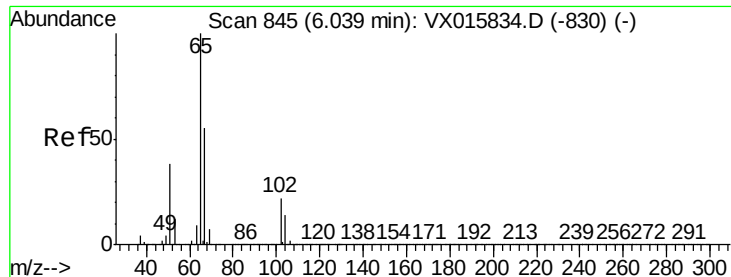
Tot Ion: 56 Resp: 830299  
Ion Ratio Lower Upper  
56 100  
69 31.6 25.3 37.9  
84 86.4 69.1 103.7



#32  
1,1,1-Trichloroethane  
Concen: 51.795 ug/l  
RT: 5.47 min Scan# 751  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

Tgt Ion: 97 Resp: 787237  
Ion Ratio Lower Upper  
97 100  
99 64.0 51.2 76.8  
61 42.6 34.1 51.1

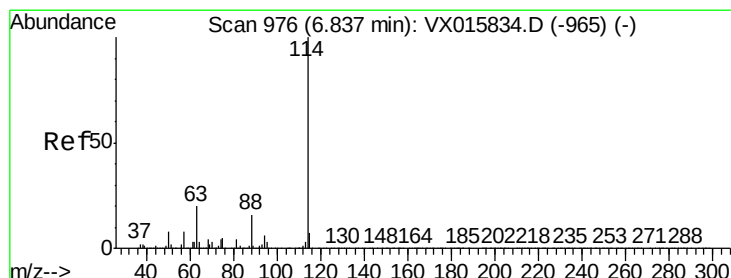
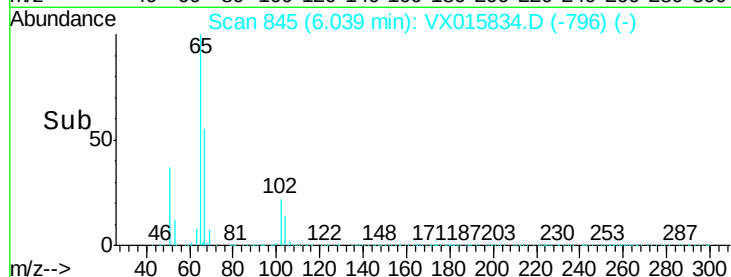
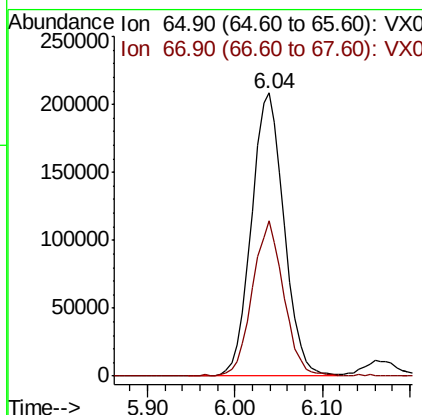
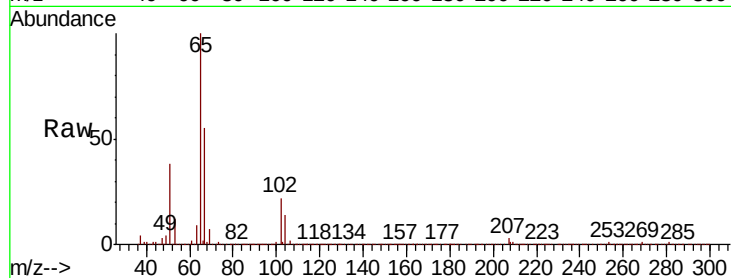




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.378 ug/l  
 RT: 6.04 min Scan# 845  
 Delta R.T. 0.00 min  
 Lab File: VX015834.D  
 Acq: 22 Apr 2020 11:06

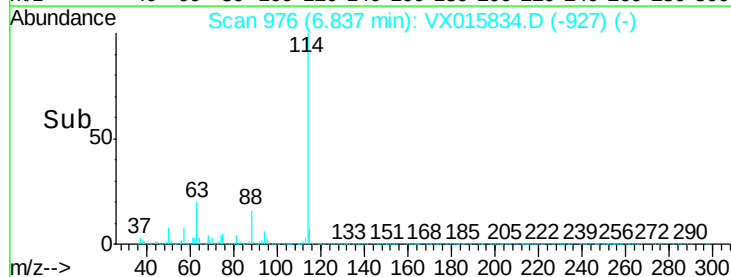
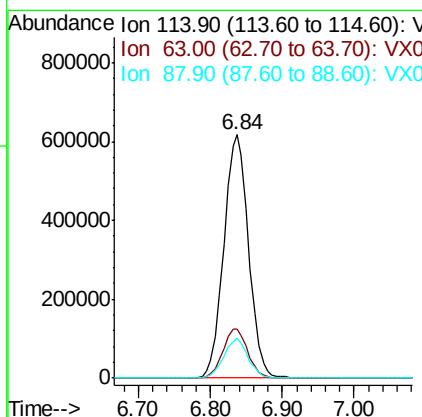
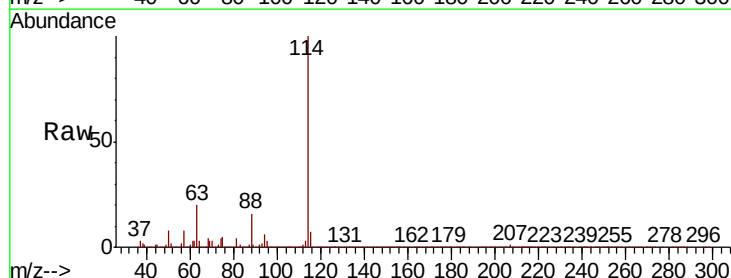
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

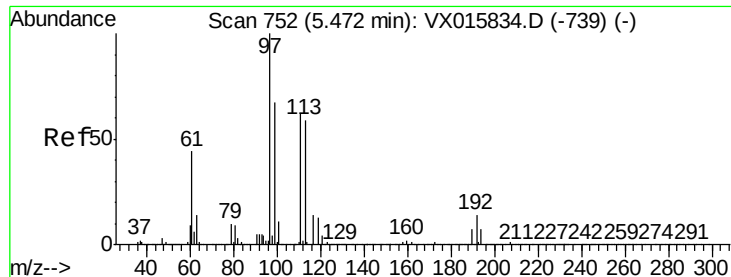
Tot Ion: 65 Resp: 537560  
 Ion Ratio Lower Upper  
 65 100  
 67 52.1 0.0 104.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.84 min Scan# 976  
 Delta R.T. 0.00 min  
 Lab File: VX015834.D  
 Acq: 22 Apr 2020 11:06

Tgt Ion: 114 Resp: 1472676  
 Ion Ratio Lower Upper  
 114 100  
 63 20.3 0.0 40.6  
 88 16.4 0.0 32.8

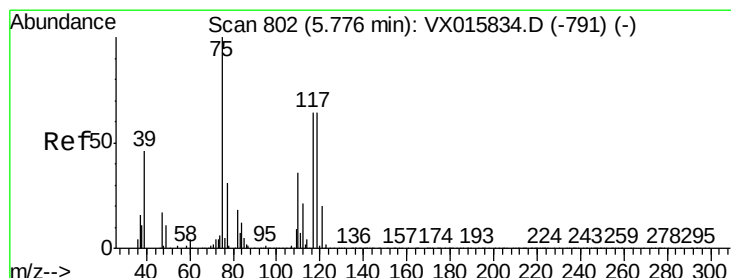
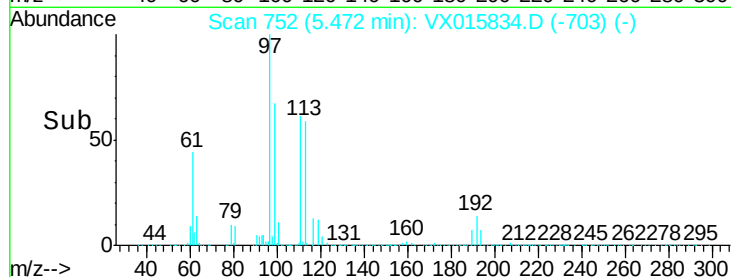
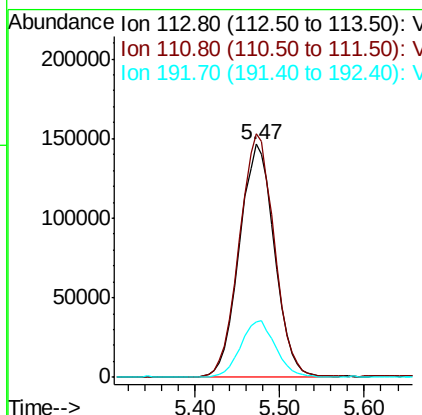
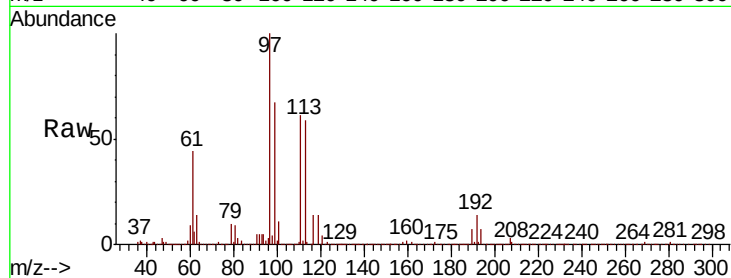




#35  
 Dibromofluoromethane  
 Concen: 44.688 ug/l  
 RT: 5.47 min Scan# 752  
 Delta R.T. 0.00 min  
 Lab File: VX015834.D  
 Acq: 22 Apr 2020 11:06

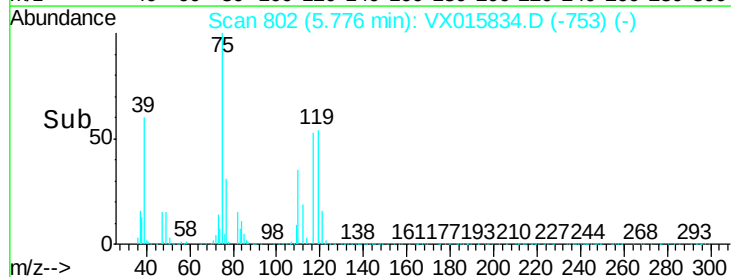
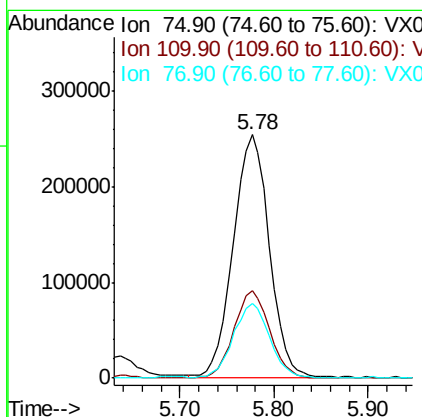
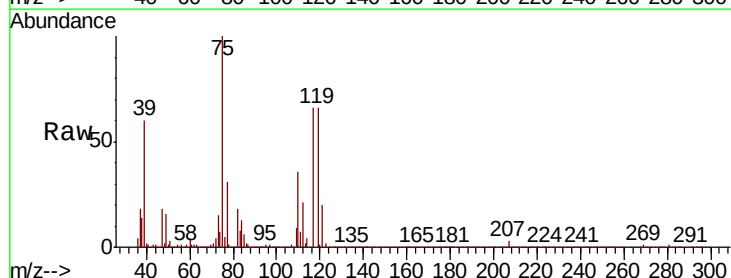
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

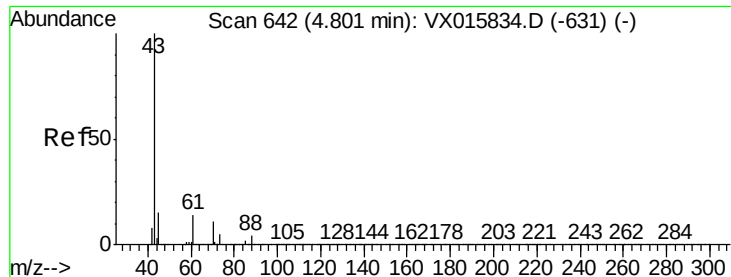
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.4 | 82.7  | 124.1 |
| 192     | 24.1  | 19.3  | 28.9  |



#36  
 1,1-Dichloropropene  
 Concen: 52.393 ug/l  
 RT: 5.78 min Scan# 802  
 Delta R.T. 0.00 min  
 Lab File: VX015834.D  
 Acq: 22 Apr 2020 11:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 35.9  | 17.9  | 53.8  |
| 77      | 30.6  | 24.5  | 36.7  |

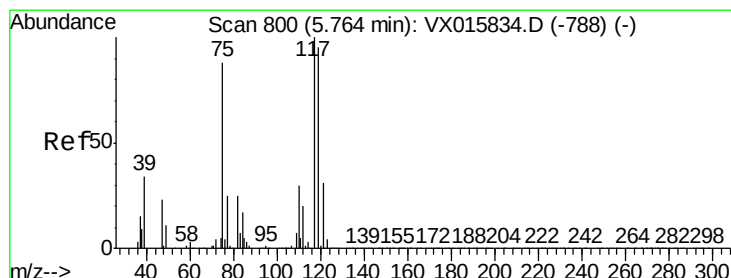
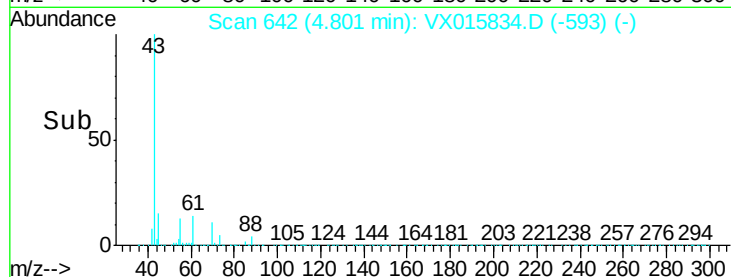
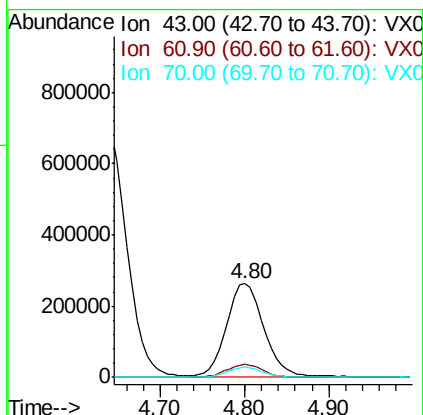
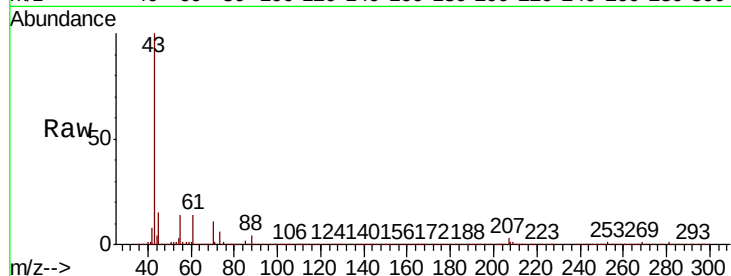




#37  
Ethyl Acetate  
Concen: 50.180 ug/l  
RT: 4.80 min Scan# 642  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

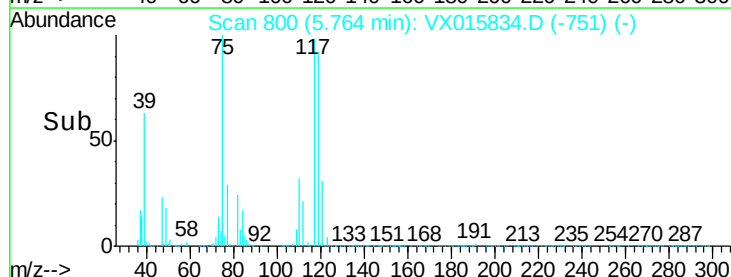
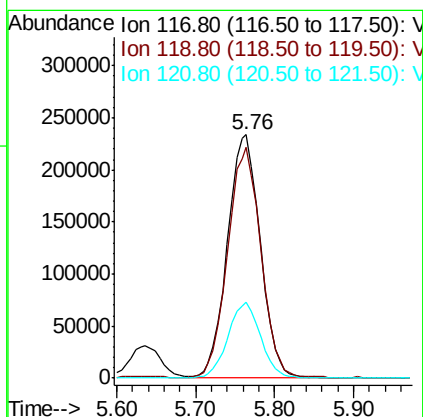
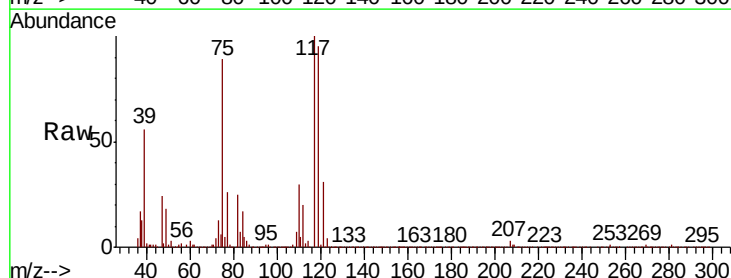
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tot Ion: 43 Resp: 780022  
Ion Ratio Lower Upper  
43 100  
61 13.5 10.8 16.2  
70 10.2 8.2 12.2

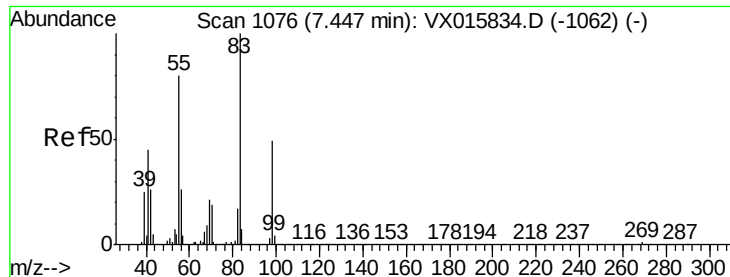


#38  
Carbon Tetrachloride  
Concen: 53.855 ug/l  
RT: 5.76 min Scan# 800  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

Tgt Ion: 117 Resp: 676240  
Ion Ratio Lower Upper  
117 100  
119 94.6 75.7 113.5  
121 31.3 25.0 37.6



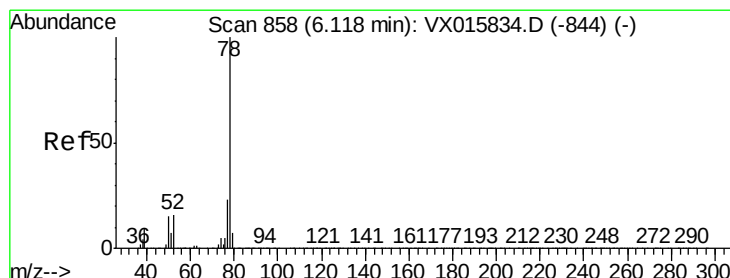
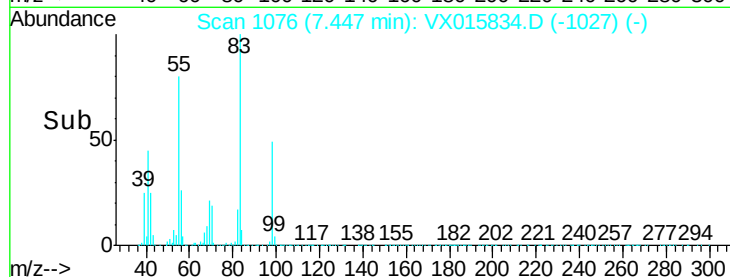
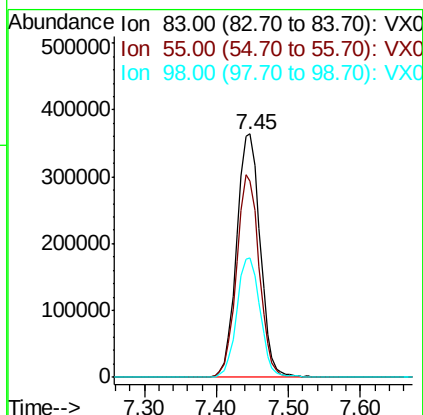
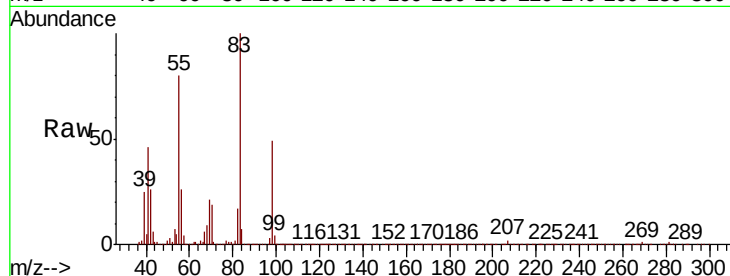




#39  
Methylvlcyclohexane  
Concen: 49.613 ug/l  
RT: 7.45 min Scan# 1076  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

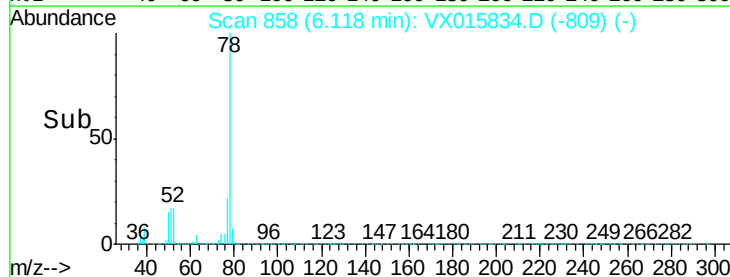
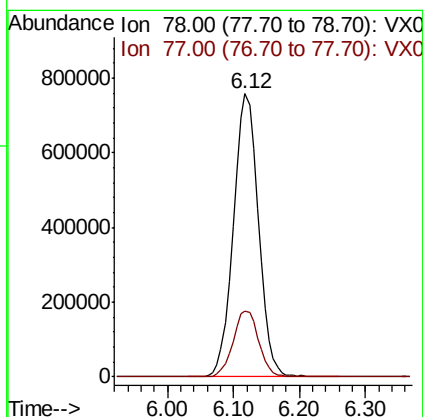
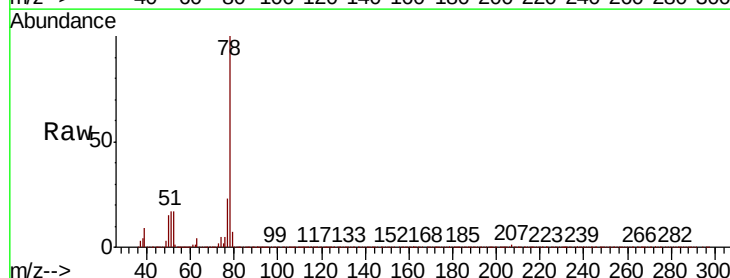
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

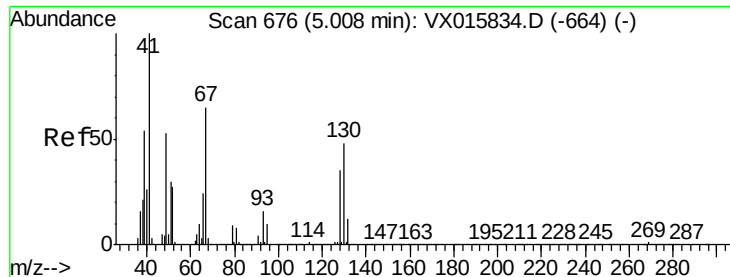
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 80.3  | 64.2  | 96.4  |
| 98      | 49.1  | 39.3  | 58.9  |



#40  
Benzene  
Concen: 50.192 ug/l  
RT: 6.12 min Scan# 858  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.2  | 18.6  | 27.8  |

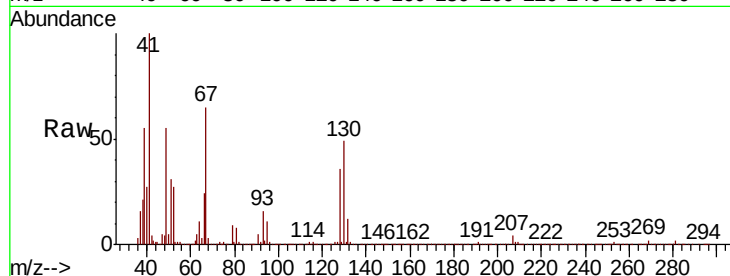




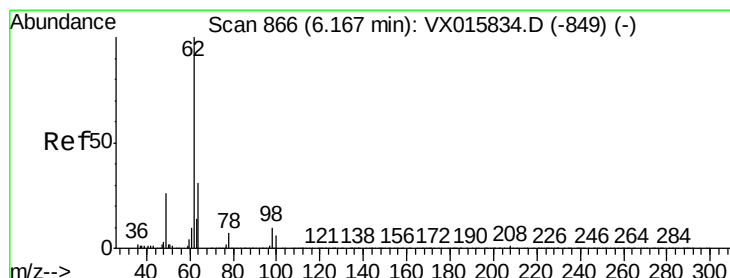
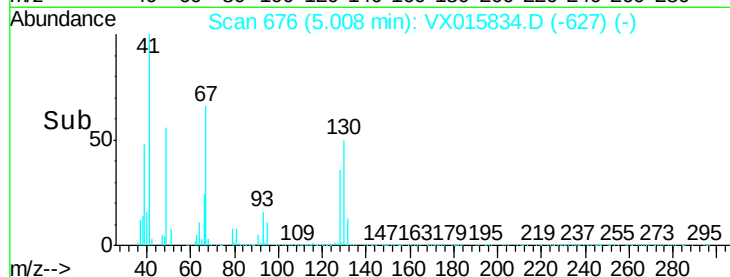
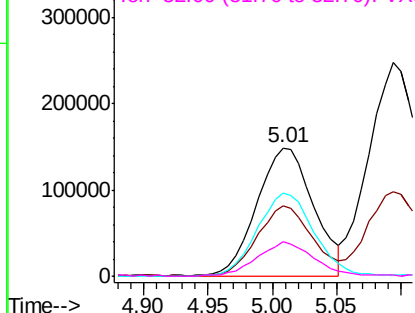
#41  
Methacrylonitrile  
Concen: 61.466 ug/l  
RT: 5.01 min Scan# 676  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 451139 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 53.0  | 42.4  | 63.6   |
| 67       | 64.9  | 51.9  | 77.9   |
| 52       | 26.2  | 21.0  | 31.4   |

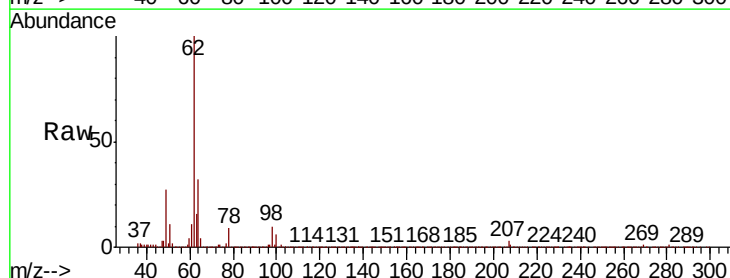


Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0  
Ion 67.00 (66.70 to 67.70): VX0  
Ion 52.00 (51.70 to 52.70): VX0

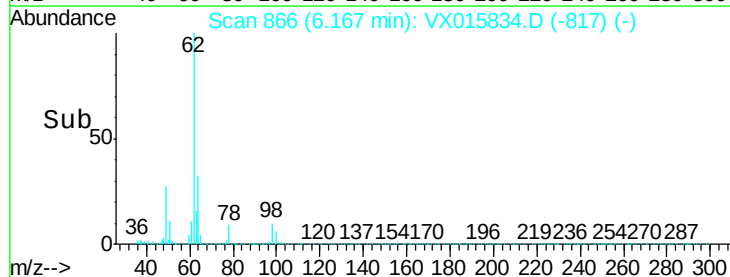
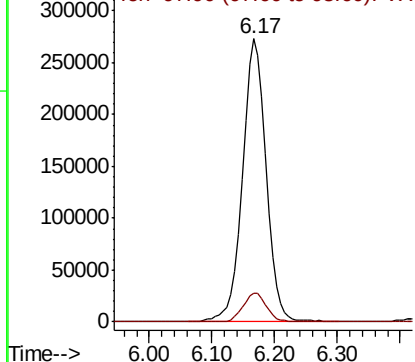


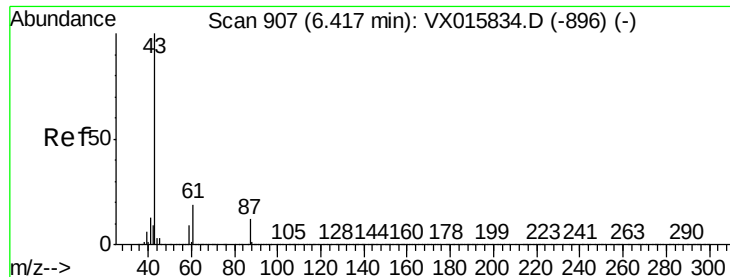
#42  
1,2-Dichloroethane  
Concen: 49.698 ug/l  
RT: 6.17 min Scan# 866  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 707160 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 10.0  | 0.0   | 20.0   |



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





#43

Isopropyl Acetate

Concen: 51.268 ug/l

RT: 6.42 min Scan# 907

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

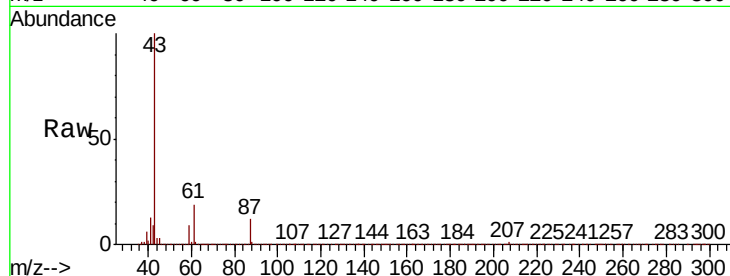
Tot Ion: 43 Resp: 1337538

Ion Ratio Lower Upper

43 100

61 19.3 15.4 23.2

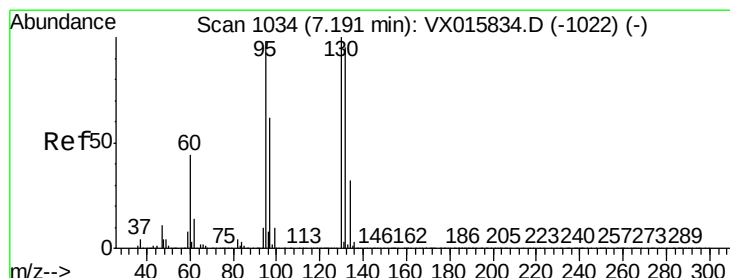
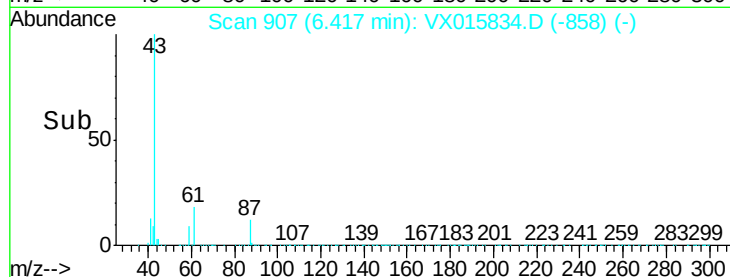
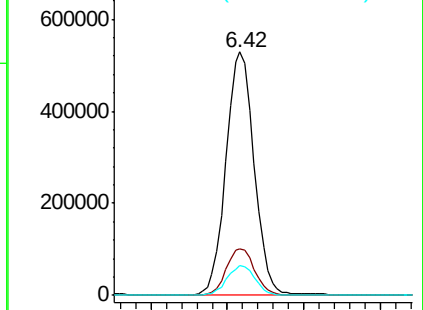
87 12.2 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 51.131 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VX015834.D

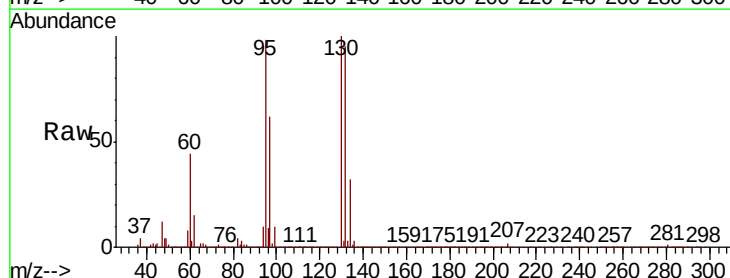
Acq: 22 Apr 2020 11:06

Tgt Ion:130 Resp: 707396

Ion Ratio Lower Upper

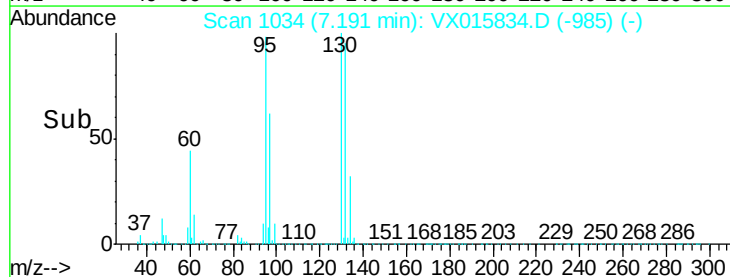
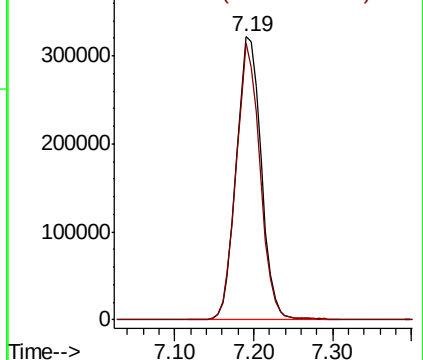
130 100

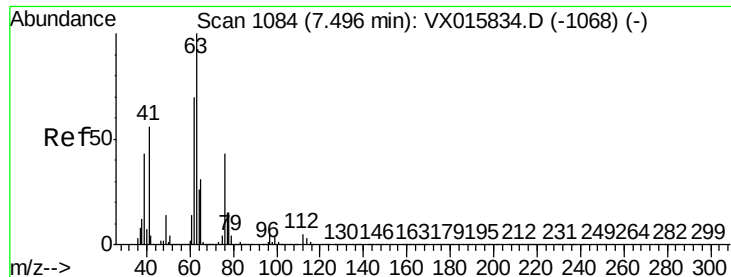
95 97.9 0.0 195.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

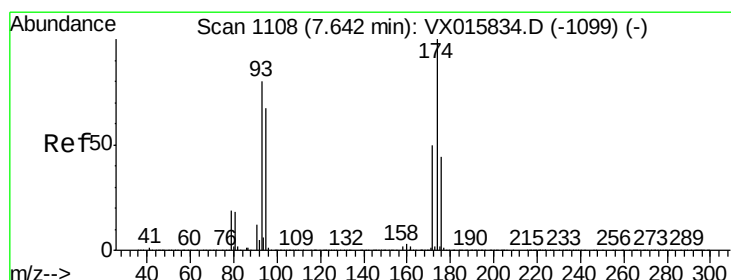
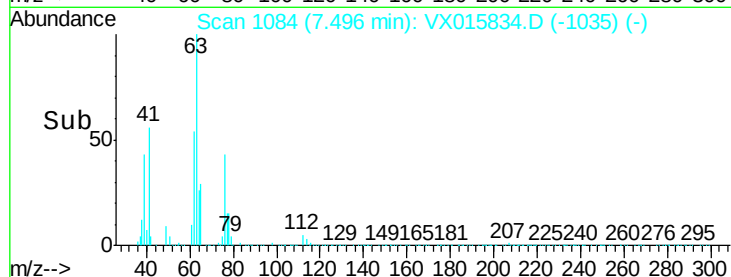
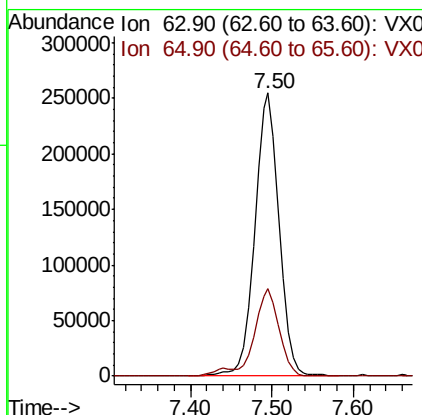
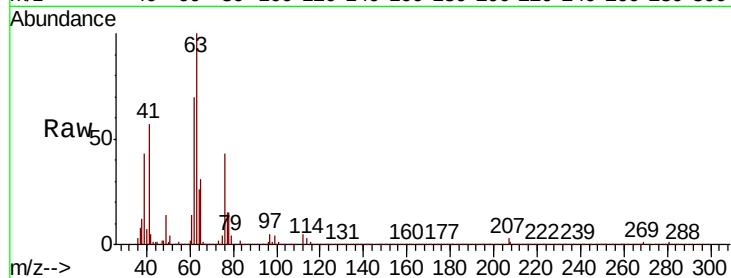




#45  
 1,2-Dichloropropane  
 Concen: 51.258 ug/l  
 RT: 7.50 min Scan# 1084  
 Delta R.T. 0.00 min  
 Lab File: VX015834.D  
 Acq: 22 Apr 2020 11:06

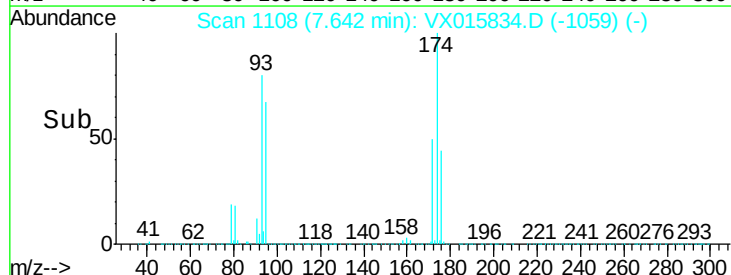
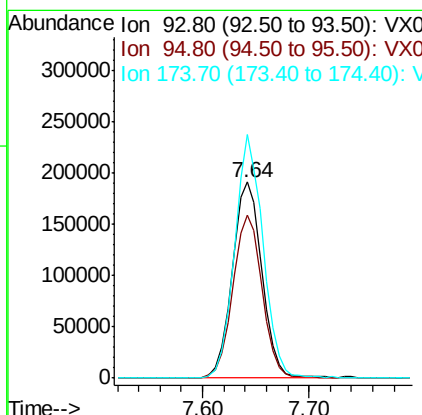
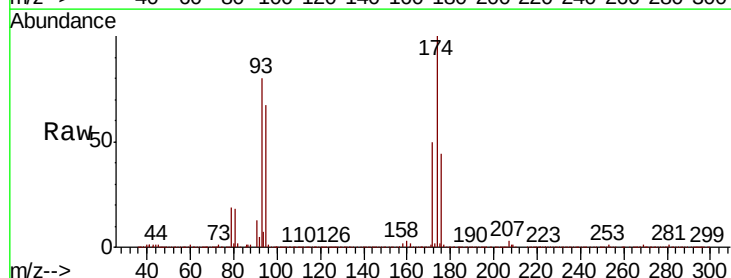
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

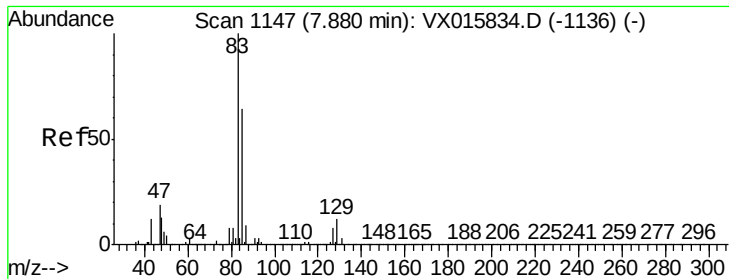
Tot Ion: 63 Resp: 527076  
 Ion Ratio Lower Upper  
 63 100  
 65 30.6 24.5 36.7



#46  
 Dibromomethane  
 Concen: 48.210 ug/l  
 RT: 7.64 min Scan# 1108  
 Delta R.T. 0.00 min  
 Lab File: VX015834.D  
 Acq: 22 Apr 2020 11:06

Tgt Ion: 93 Resp: 373151  
 Ion Ratio Lower Upper  
 93 100  
 95 82.3 65.8 98.8  
 174 119.5 95.6 143.4





#47

Bromodichloromethane

Concen: 52.691 ug/l

RT: 7.88 min Scan# 1147

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

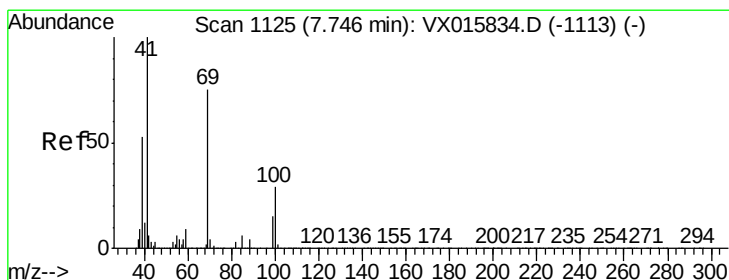
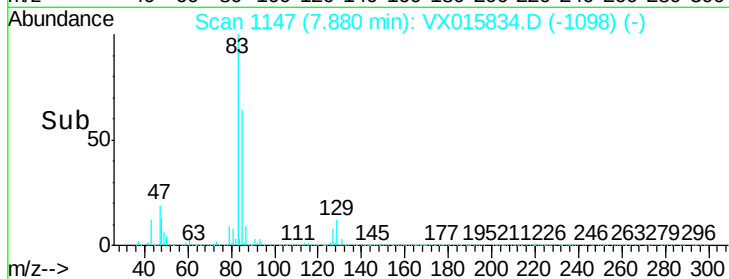
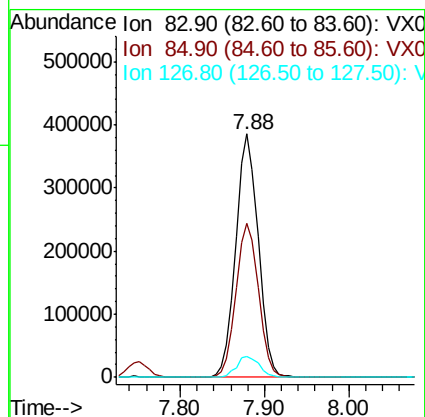
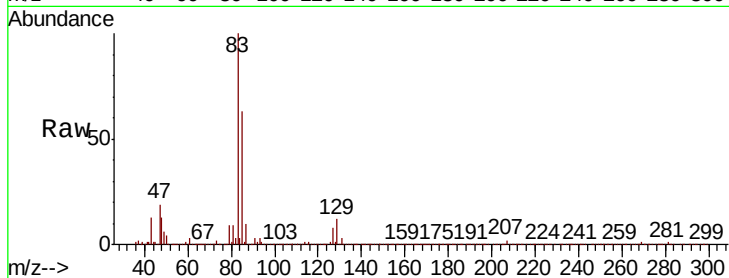
Tot Ion: 83 Resp: 690046

Ion Ratio Lower Upper

83 100

85 63.5 50.8 76.2

127 8.3 6.6 10.0



#48

Methyl methacrylate

Concen: 52.482 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

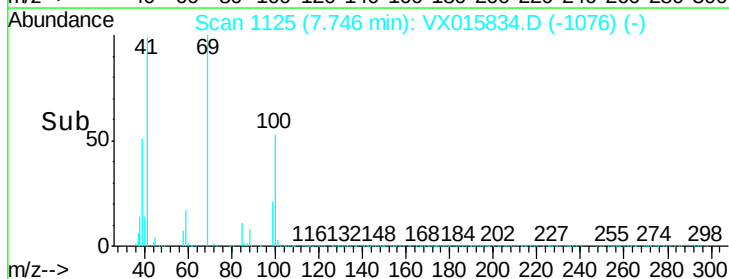
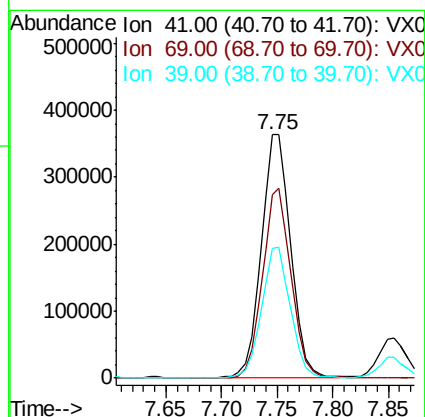
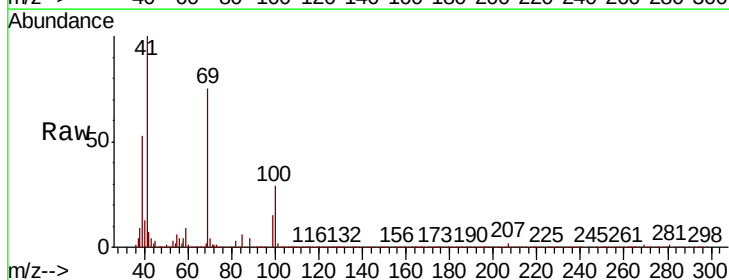
Tgt Ion: 41 Resp: 666706

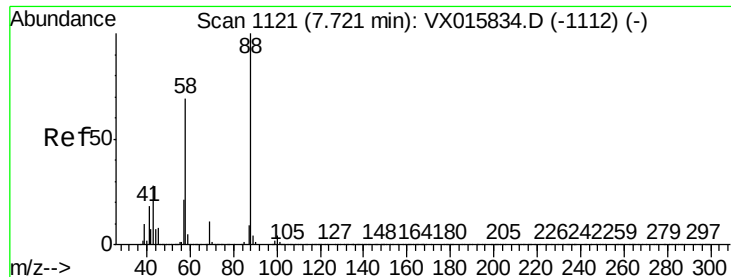
Ion Ratio Lower Upper

41 100

69 75.6 60.5 90.7

39 52.6 42.1 63.1

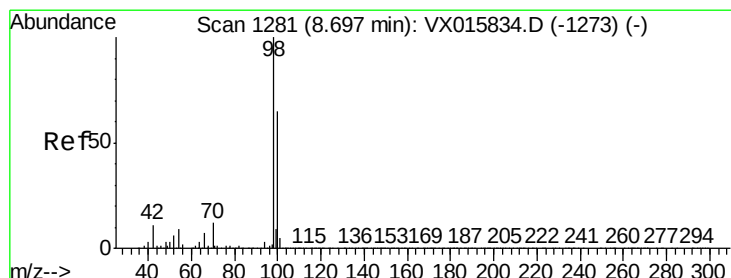
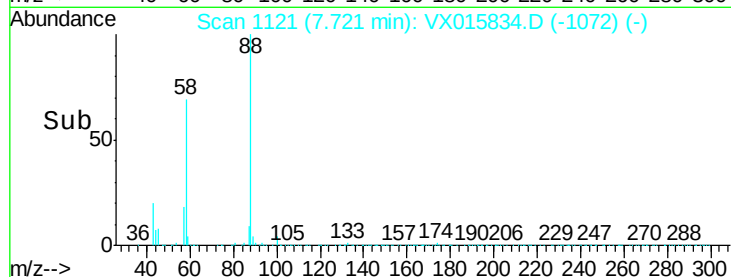
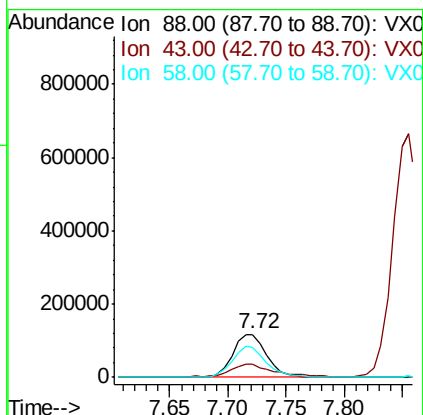
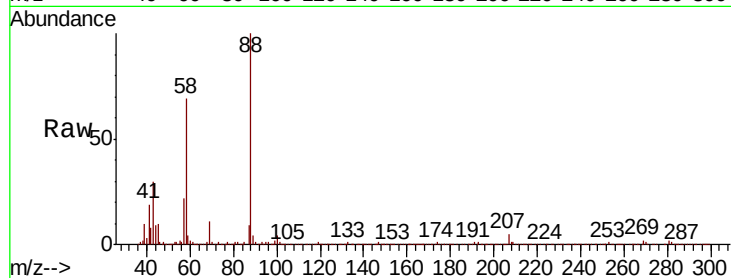




#49  
1,4-Dioxane  
Concen: 950.620 ug/l  
RT: 7.72 min Scan# 1121  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

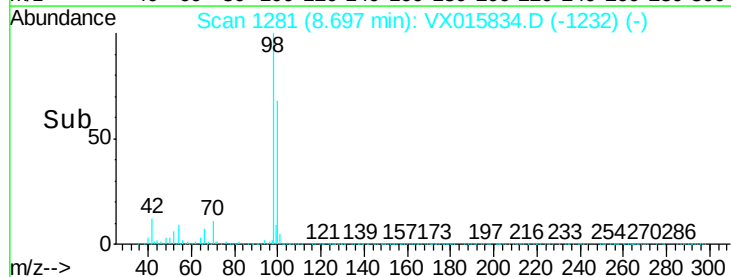
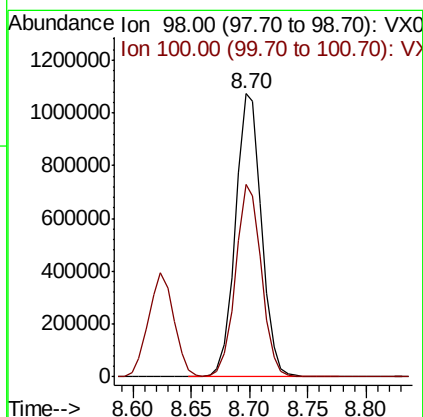
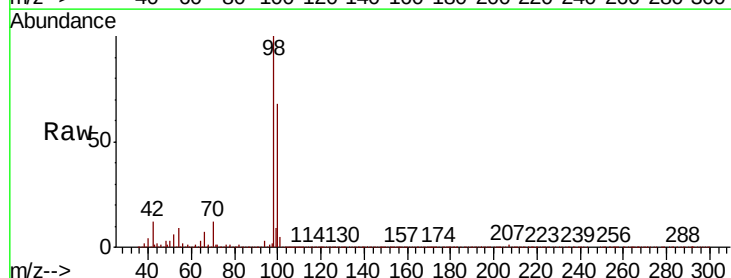
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

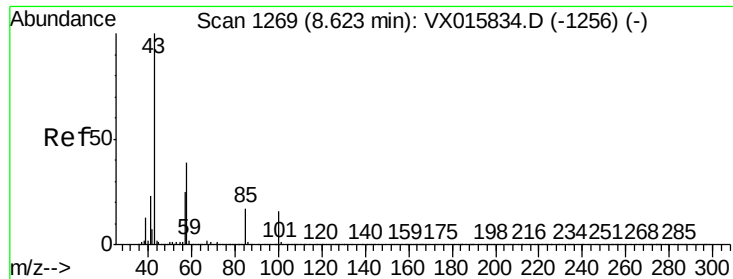
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 35.3  | 28.2  | 42.4  |
| 58      | 73.6  | 58.9  | 88.3  |



#50  
Toluene-d8  
Concen: 47.215 ug/l  
RT: 8.70 min Scan# 1281  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 67.2  | 53.8  | 80.6  |





#51

4-Methyl-2-Pentanone

Concen: 257.853 ug/l

RT: 8.62 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

Instrument :

MSVOA\_X

ClientSampled :

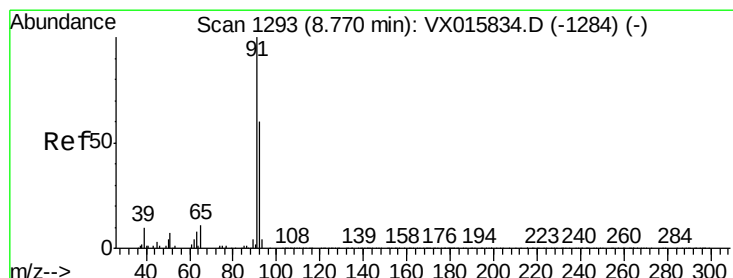
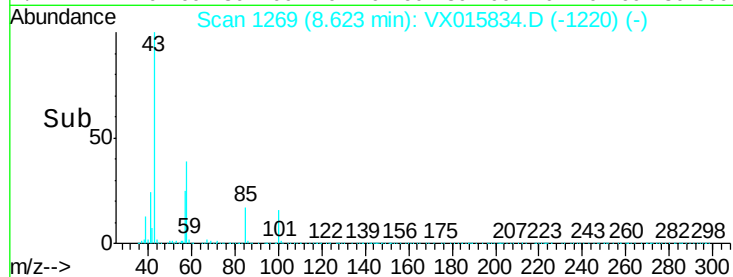
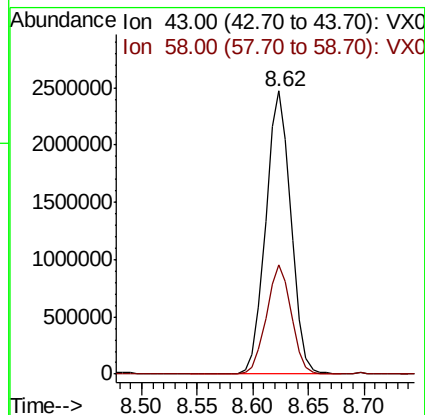
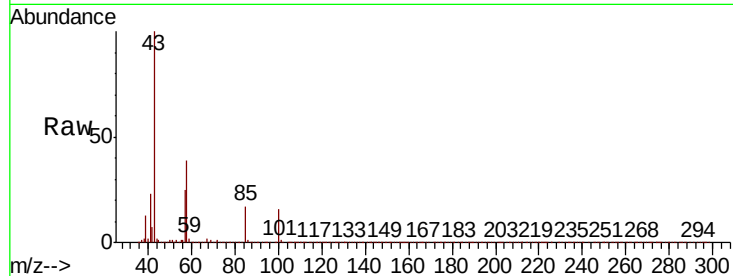
VSTDICCC050

Tot Ion: 43 Resp: 3899807

Ion Ratio Lower Upper

43 100

58 38.2 30.6 45.8



#52

Toluene

Concen: 50.300 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX015834.D

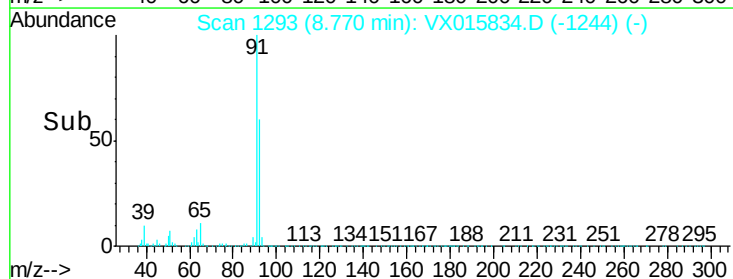
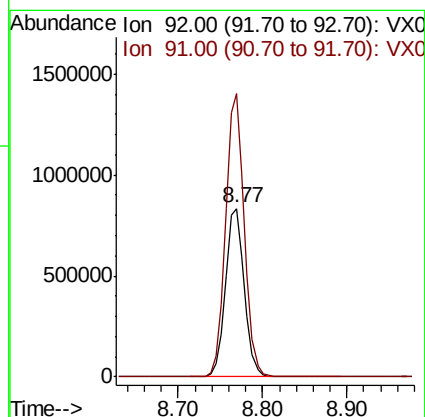
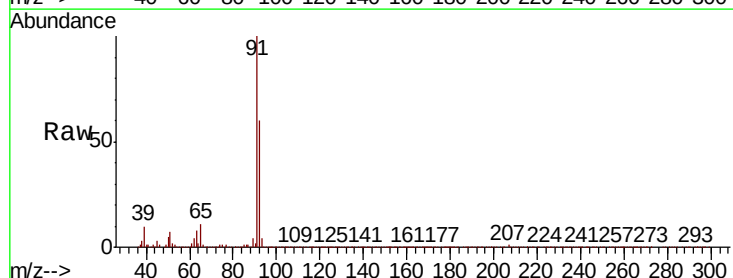
Acq: 22 Apr 2020 11:06

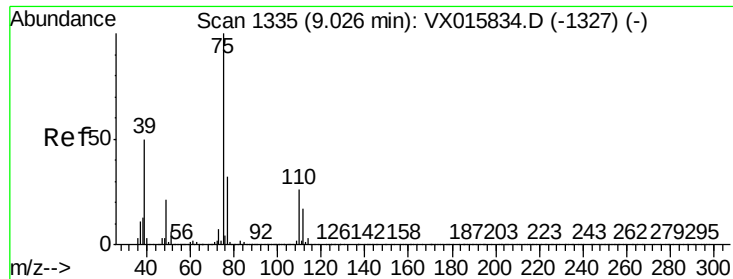
Tgt Ion: 92 Resp: 1277692

Ion Ratio Lower Upper

92 100

91 166.7 133.4 200.0

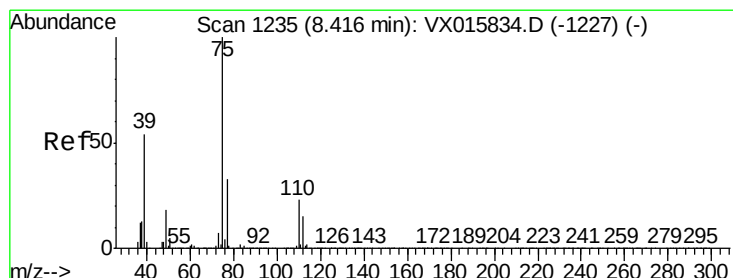
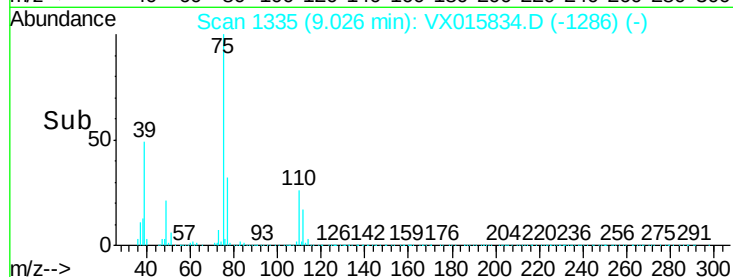
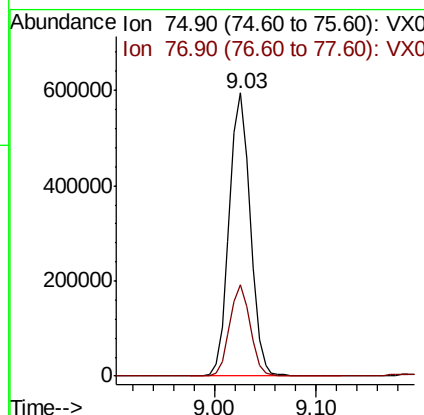
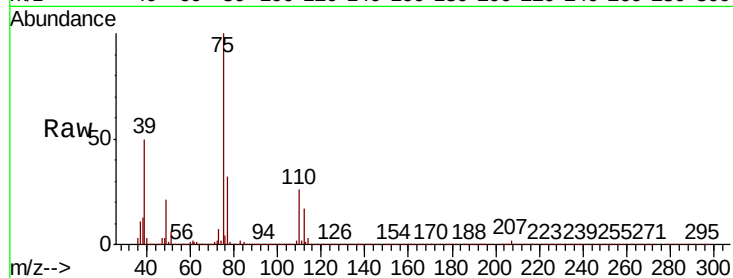




#53  
t-1,3-Dichloropropene  
Concen: 52.200 ug/l  
RT: 9.03 min Scan# 1335  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

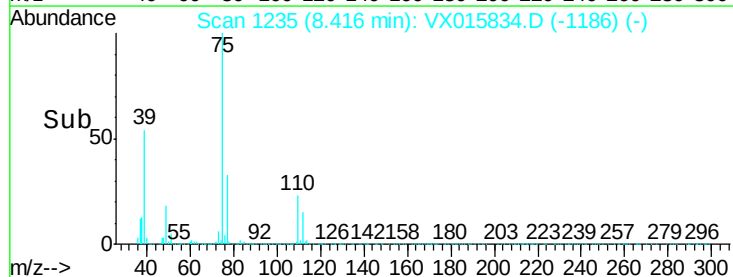
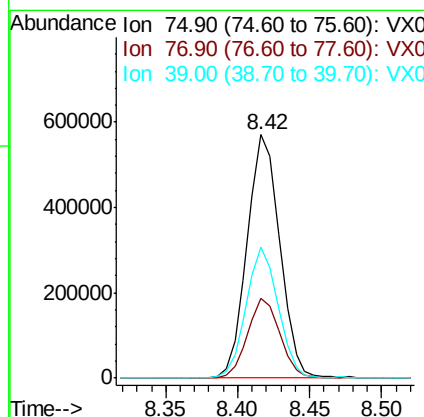
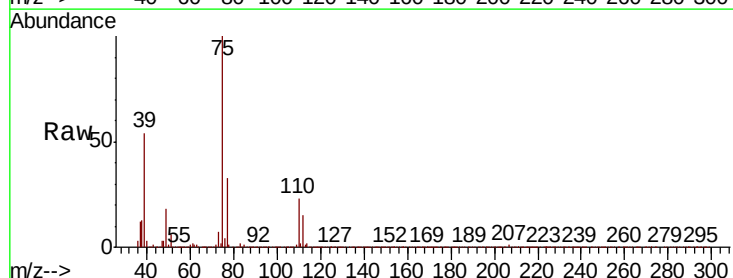
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tot Ion: 75 Resp: 851671  
Ion Ratio Lower Upper  
75 100  
77 32.4 25.9 38.9

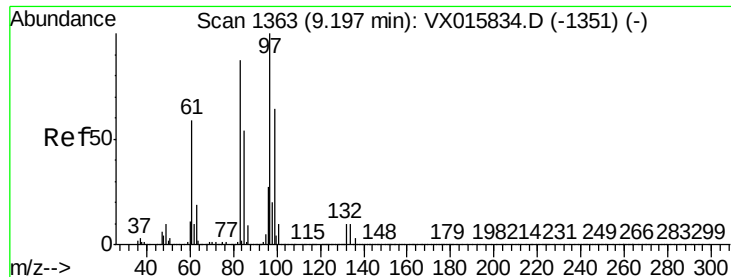


#54  
cis-1,3-Dichloropropene  
Concen: 51.369 ug/l  
RT: 8.42 min Scan# 1235  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

Tgt Ion: 75 Resp: 893331  
Ion Ratio Lower Upper  
75 100  
77 32.5 26.0 39.0  
39 53.5 42.8 64.2







#55

1,1,2-Trichloroethane

Concen: 52.307 ug/l

RT: 9.20 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 512121

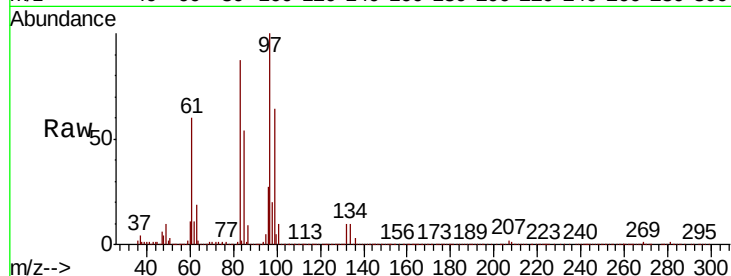
Ion Ratio Lower Upper

97 100

83 87.3 69.8 104.8

85 54.3 43.4 65.2

99 64.0 51.2 76.8

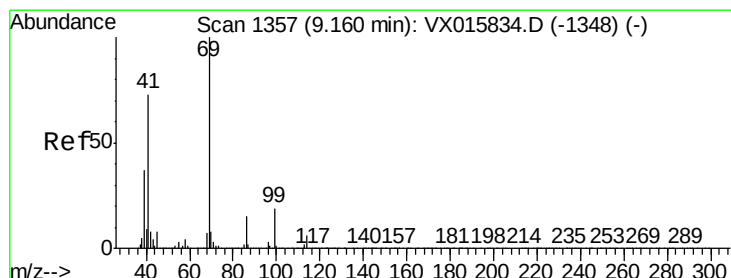
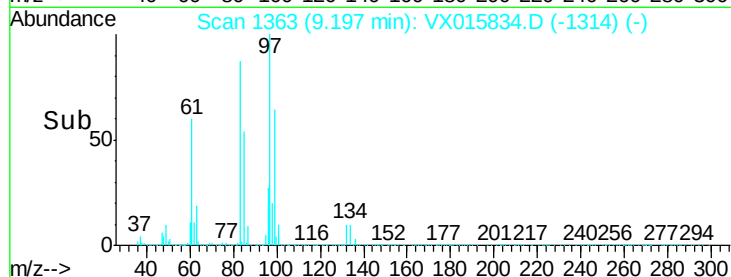
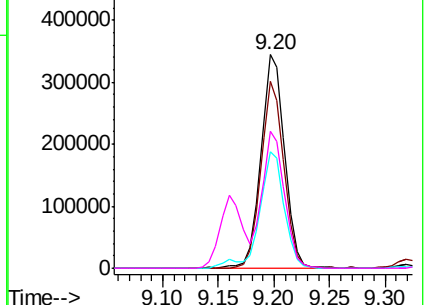


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 52.104 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

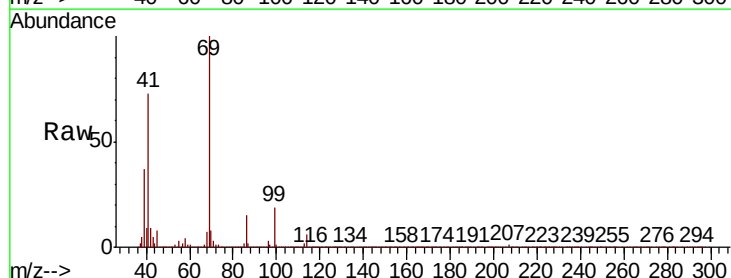
Tgt Ion: 69 Resp: 855128

Ion Ratio Lower Upper

69 100

41 71.8 57.4 86.2

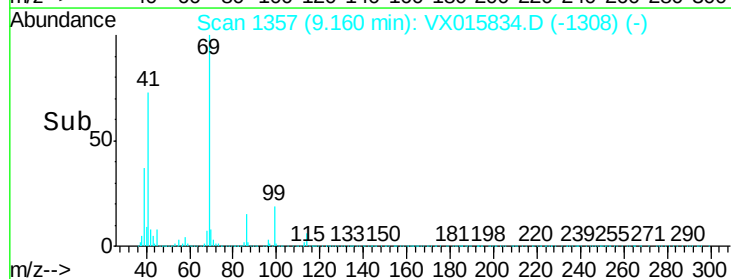
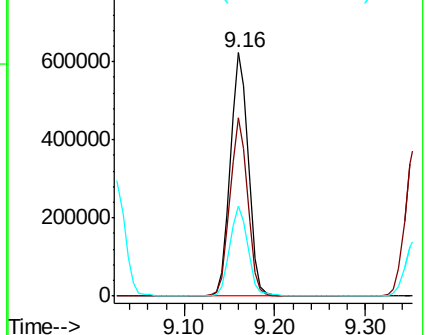
39 37.1 29.7 44.5

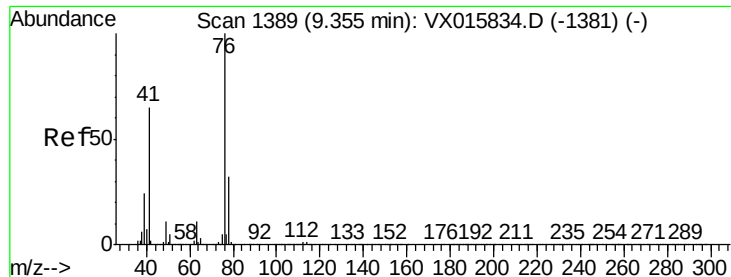


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 50.934 ug/l

RT: 9.36 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

Instrument :

MSVOA\_X

ClientSampleId :

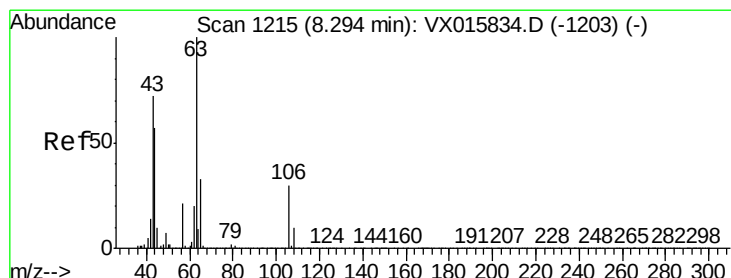
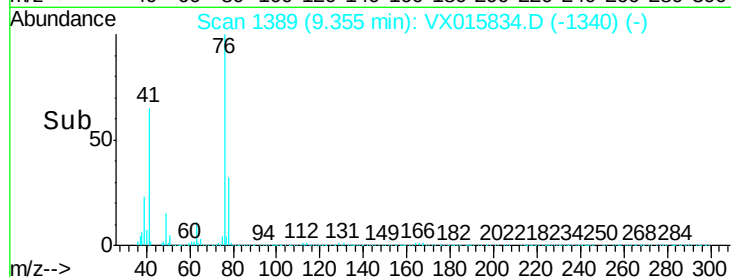
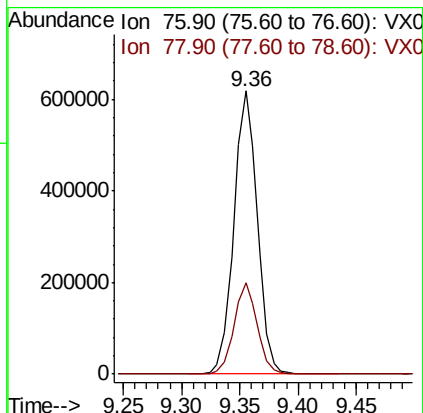
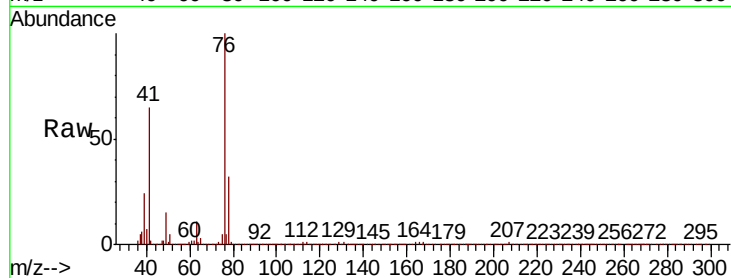
VSTDICCC050

Tot Ion: 76 Resp: 868277

Ion Ratio Lower Upper

76 100

78 31.8 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 259.744 ug/l

RT: 8.29 min Scan# 1215

Delta R.T. 0.00 min

Lab File: VX015834.D

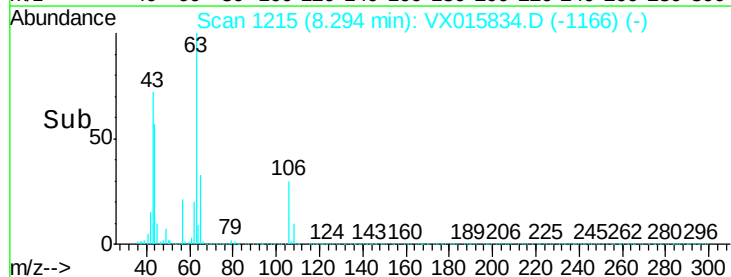
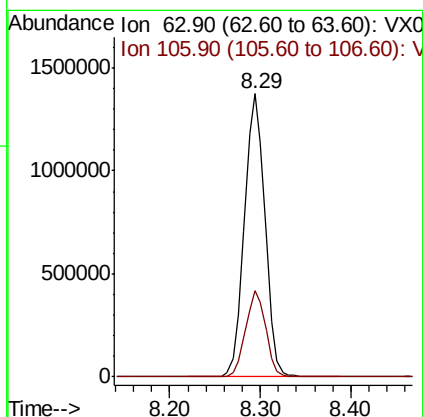
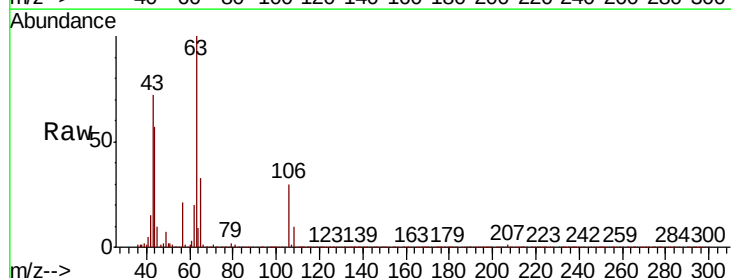
Acq: 22 Apr 2020 11:06

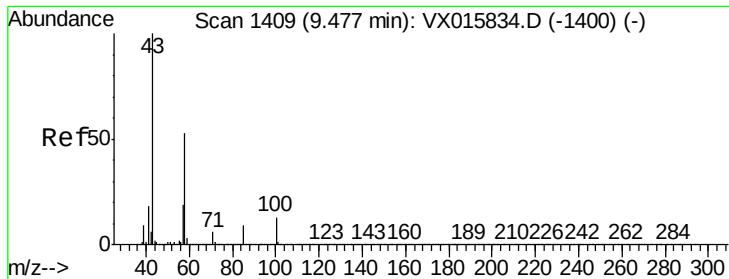
Tgt Ion: 63 Resp: 2151664

Ion Ratio Lower Upper

63 100

106 29.8 23.8 35.8

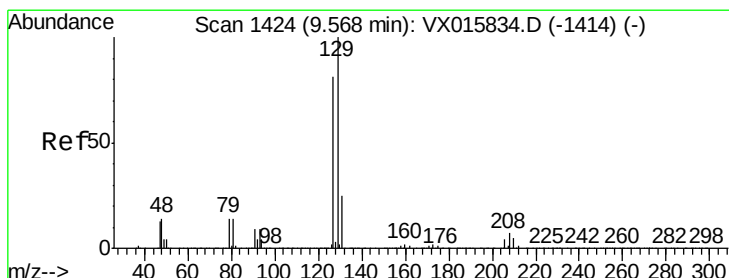
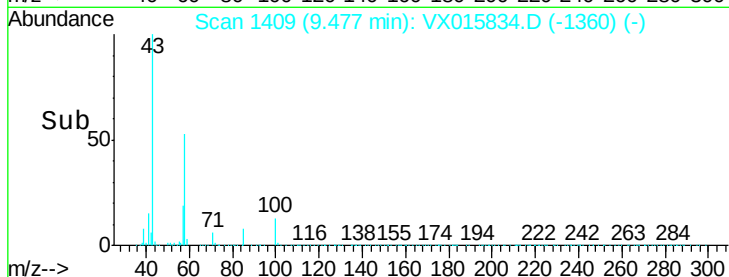
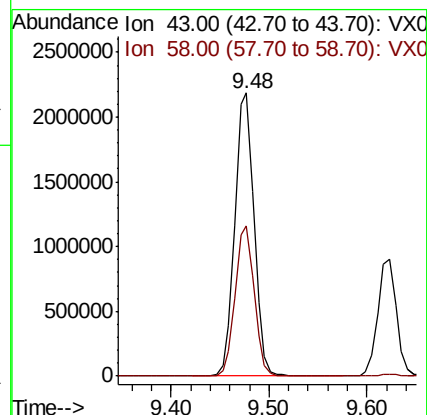
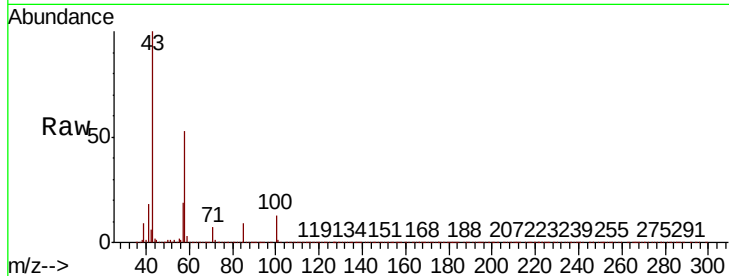




#59  
2-Hexanone  
Concen: 260.968 ug/l  
RT: 9.48 min Scan# 1409  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

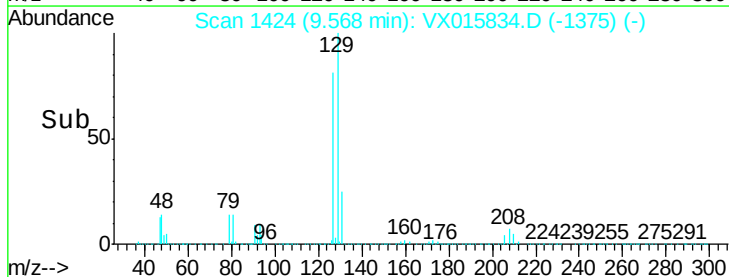
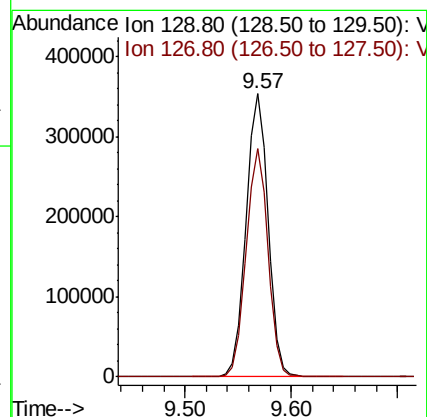
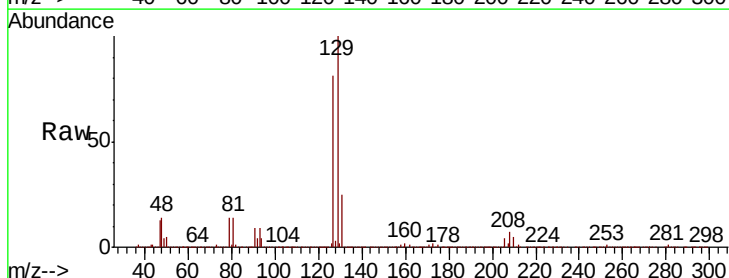
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

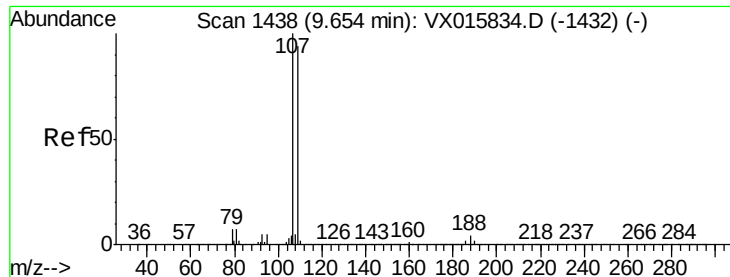
Tot Ion: 43 Resp: 2977038  
Ion Ratio Lower Upper  
43 100  
58 52.9 26.5 79.4



#60  
Dibromochloromethane  
Concen: 53.834 ug/l  
RT: 9.57 min Scan# 1424  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

Tgt Ion: 129 Resp: 515560  
Ion Ratio Lower Upper  
129 100  
127 80.0 40.0 120.0





#61

1,2-Dibromoethane

Concen: 49.642 ug/l

RT: 9.65 min Scan# 1438

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

Instrument :

MSVOA\_X

ClientSampleId :

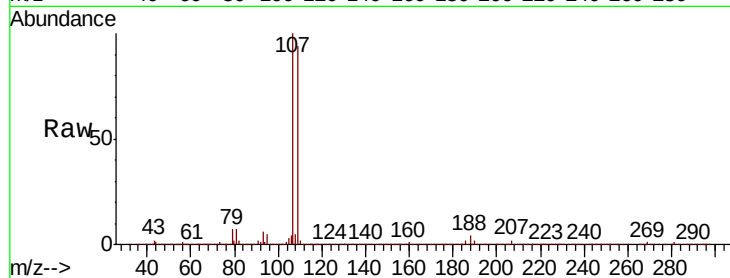
VSTDICCC050

Tot Ion:107 Resp: 542648

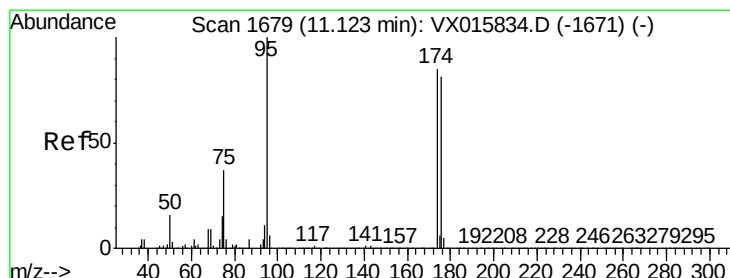
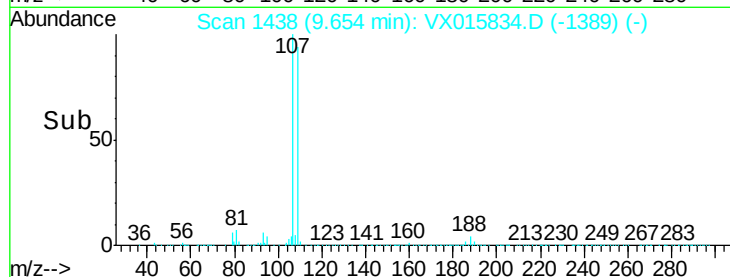
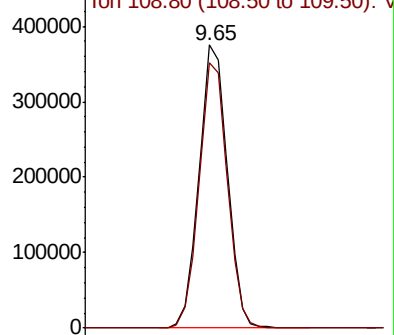
Ion Ratio Lower Upper

107 100

109 94.2 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V



#62

4-Bromofluorobenzene

Concen: 43.620 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

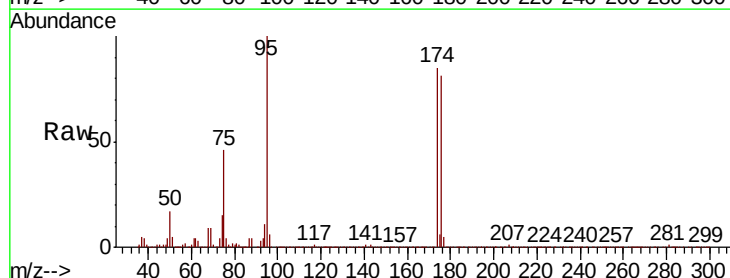
Tgt Ion: 95 Resp: 676624

Ion Ratio Lower Upper

95 100

174 86.2 0.0 172.4

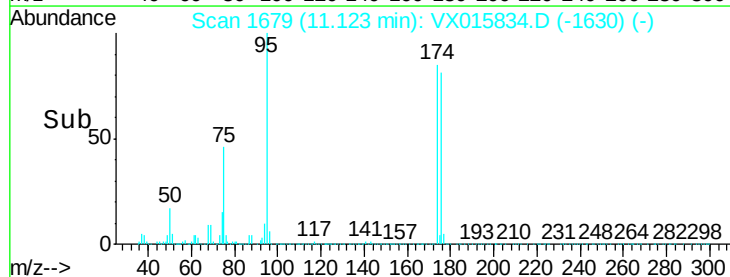
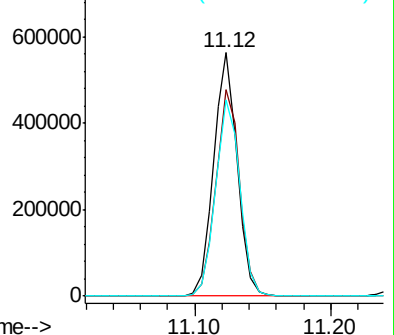
176 83.5 0.0 167.0

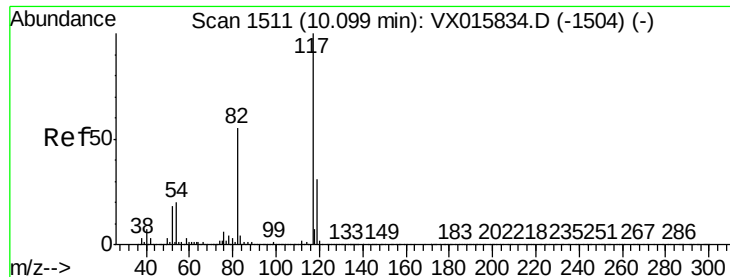


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

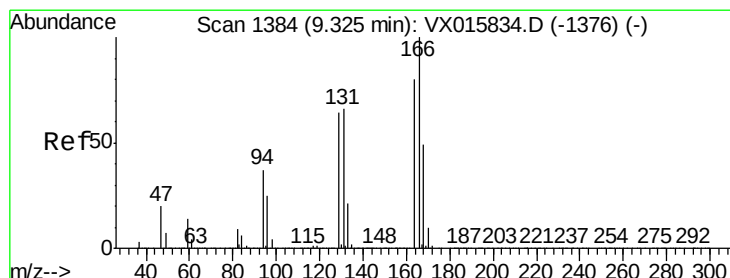
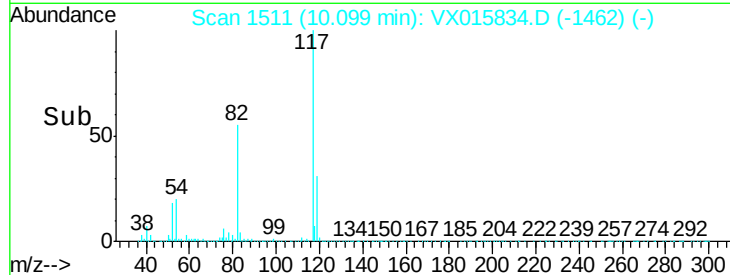
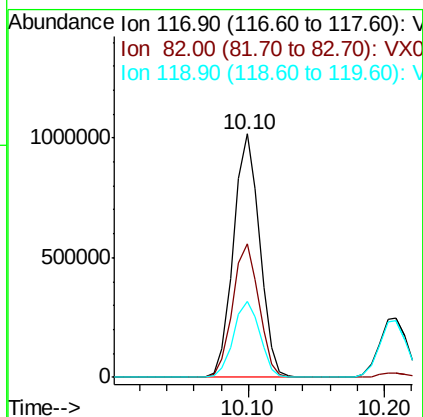
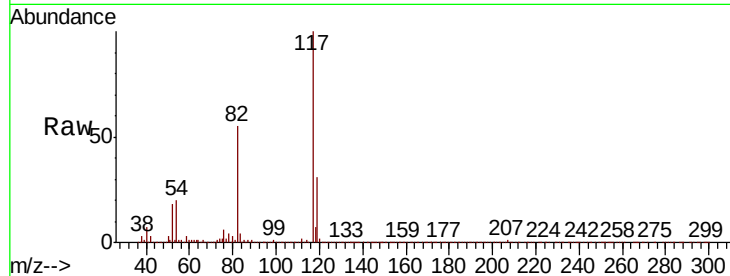




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1511  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

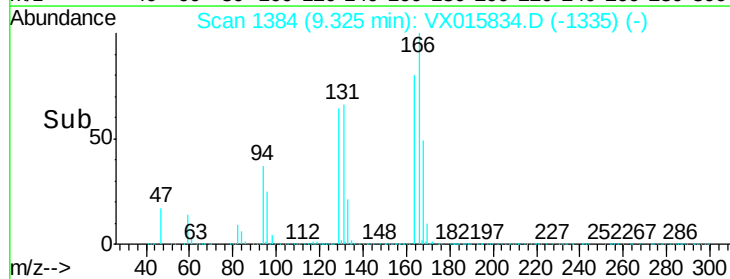
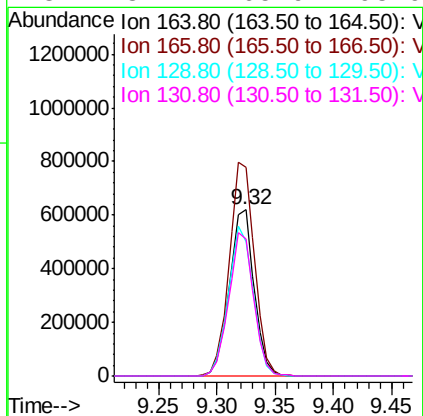
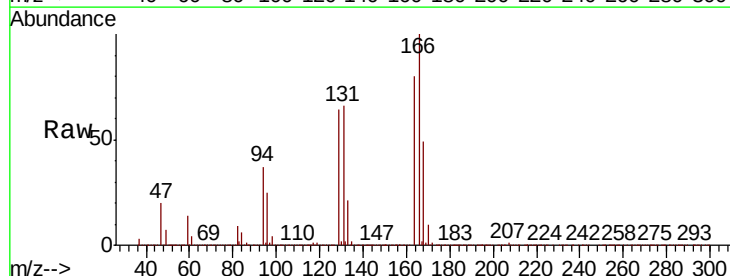
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

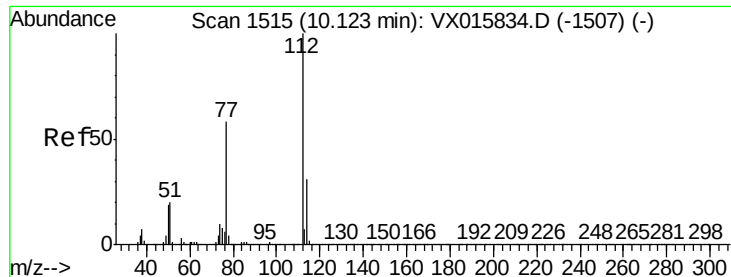
Tot Ion:117 Resp: 1361900  
Ion Ratio Lower Upper  
117 100  
82 54.9 43.9 65.9  
119 31.4 25.1 37.7



#64  
Tetrachloroethene  
Concen: 48.205 ug/l  
RT: 9.32 min Scan# 1384  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

Tgt Ion:164 Resp: 919918  
Ion Ratio Lower Upper  
164 100  
166 125.2 100.2 150.2  
129 80.6 64.5 96.7  
131 82.4 65.9 98.9

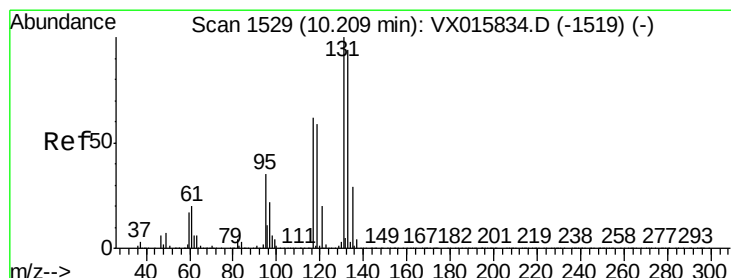
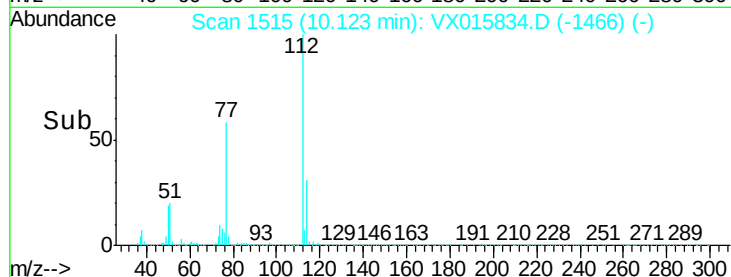
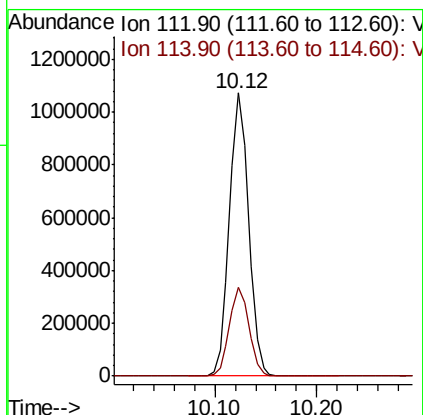
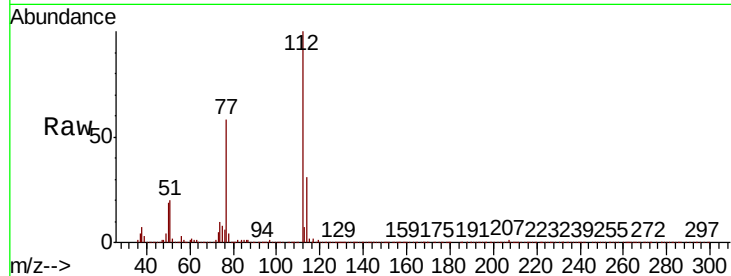




#65  
Chlorobenzene  
Concen: 50.898 ug/l  
RT: 10.12 min Scan# 1515  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

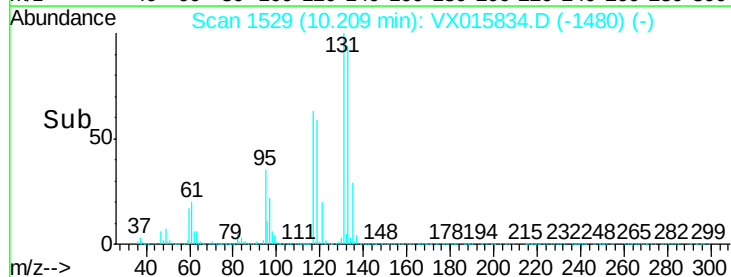
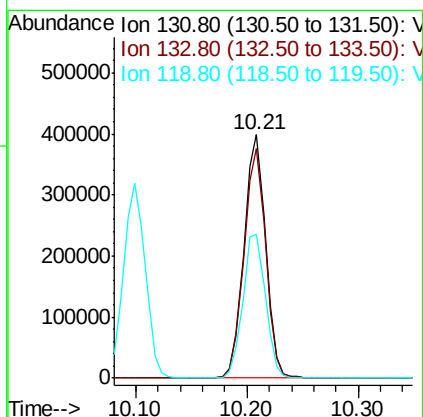
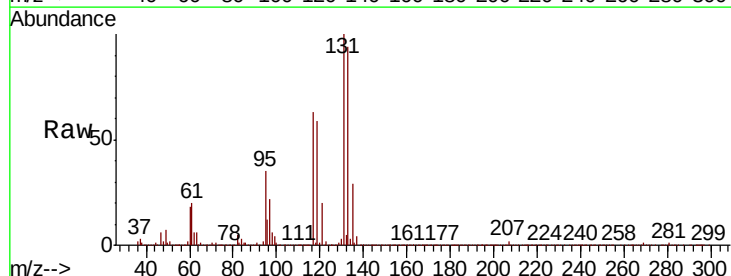
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

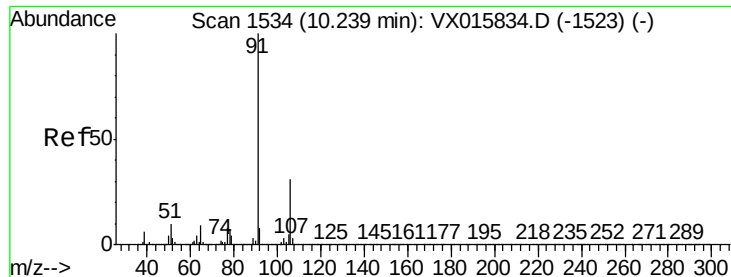
Tot Ion:112 Resp: 1399835  
Ion Ratio Lower Upper  
112 100  
114 31.2 25.0 37.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 53.064 ug/l  
RT: 10.21 min Scan# 1529  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

Tgt Ion:131 Resp: 535324  
Ion Ratio Lower Upper  
131 100  
133 94.1 47.0 141.2  
119 61.9 30.9 92.8

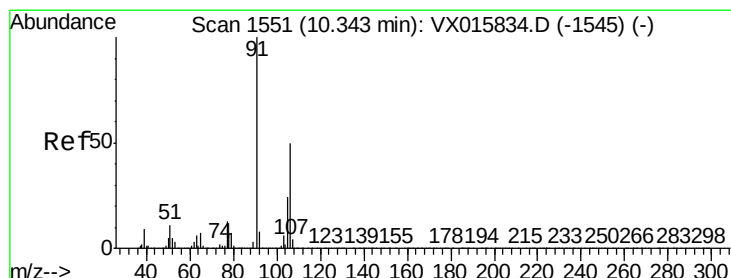
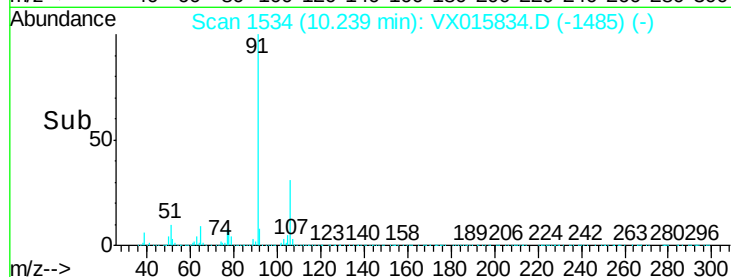
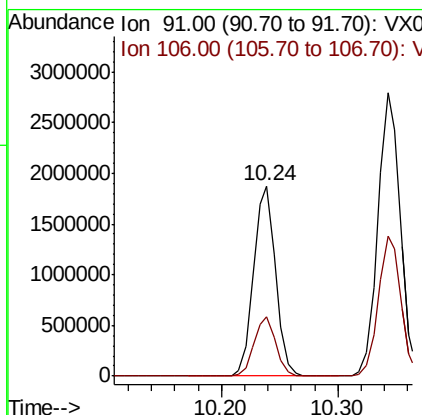
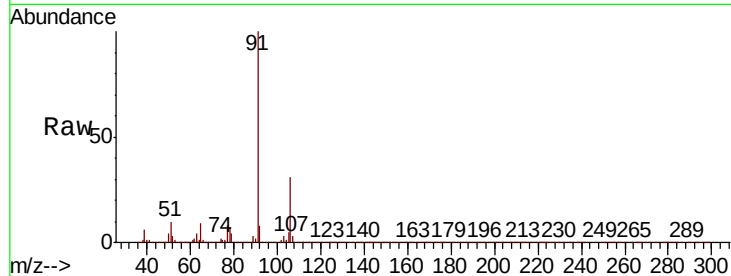




#67  
Ethyl Benzene  
Concen: 50.641 ug/l  
RT: 10.24 min Scan# 1534  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

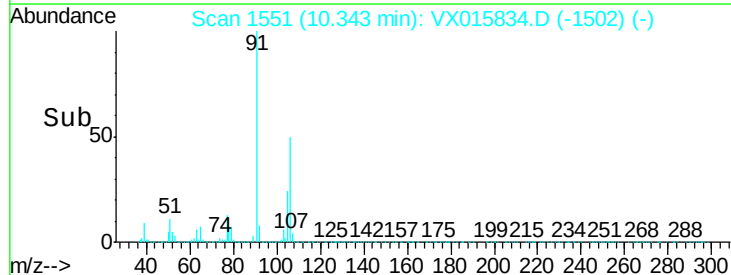
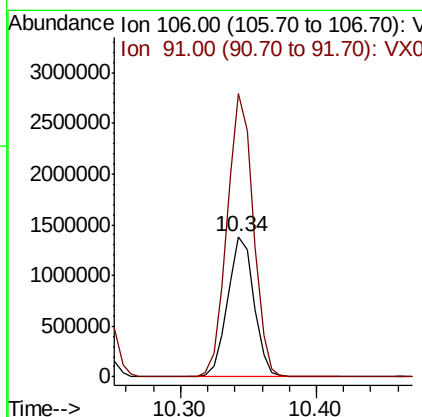
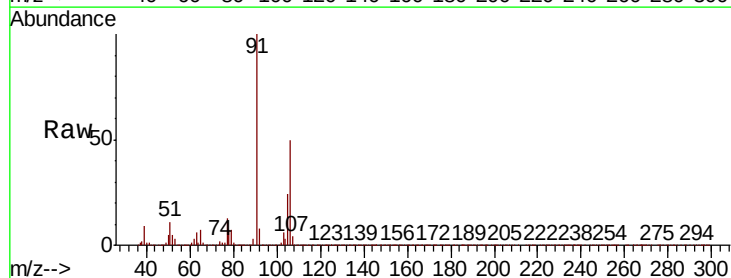
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

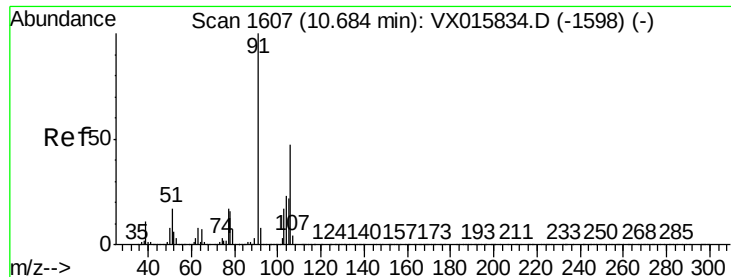
Tot Ion: 91 Resp: 2463360  
Ion Ratio Lower Upper  
91 100  
106 31.2 25.0 37.4



#68  
m/p-Xylenes  
Concen: 102.048 ug/l  
RT: 10.34 min Scan# 1551  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

Tgt Ion: 106 Resp: 1855311  
Ion Ratio Lower Upper  
106 100  
91 201.4 161.1 241.7

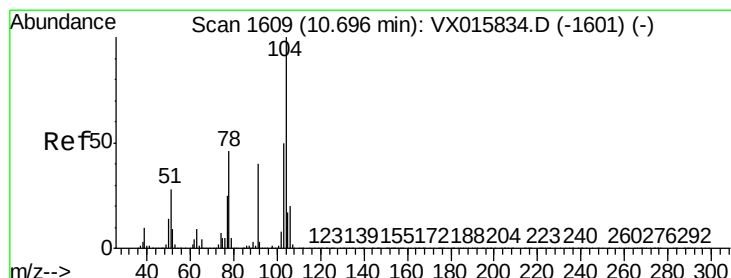
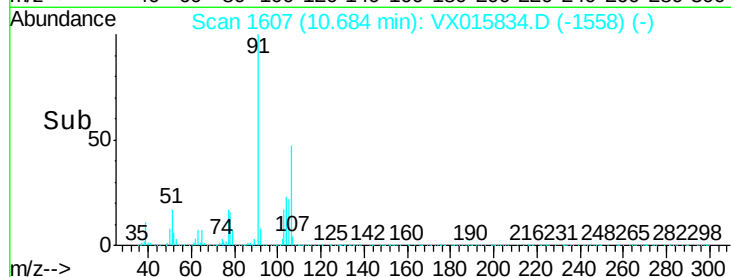
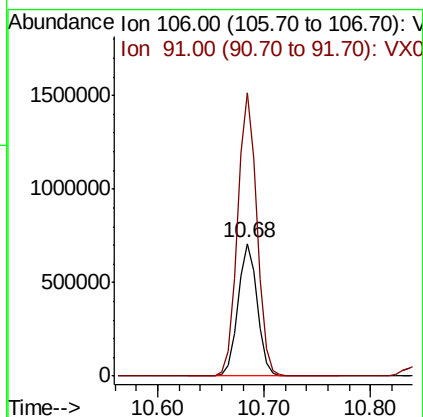
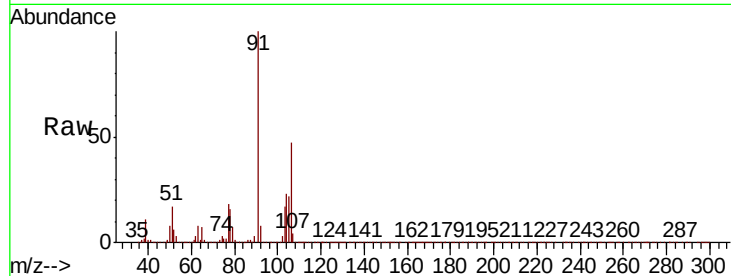




#69  
o-Xylene  
Concen: 50.245 ug/l  
RT: 10.68 min Scan# 1607  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

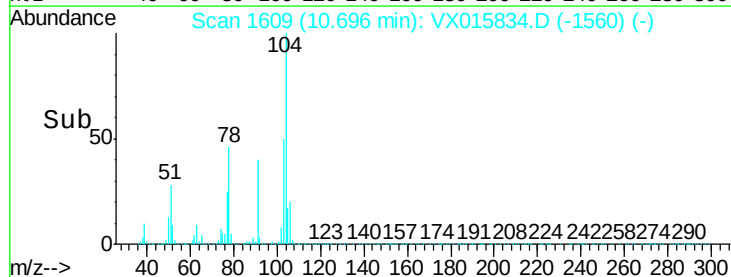
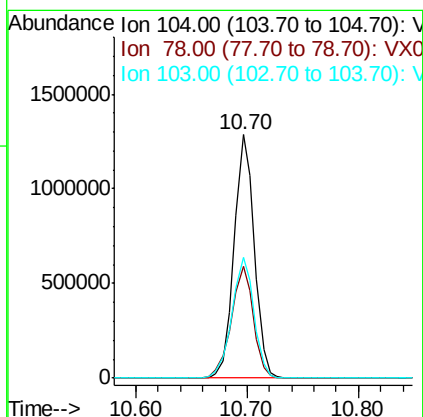
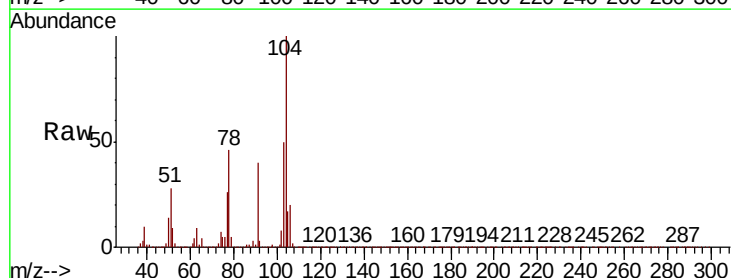
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tot Ion:106 Resp: 896691  
Ion Ratio Lower Upper  
106 100  
91 214.2 107.1 321.3

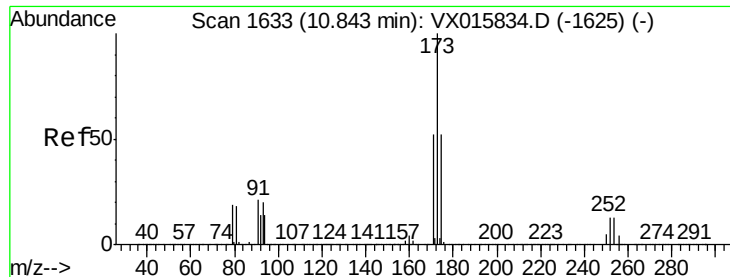


#70  
Styrene  
Concen: 52.490 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

Tgt Ion:104 Resp: 1610314  
Ion Ratio Lower Upper  
104 100  
78 50.1 40.1 60.1  
103 54.1 43.3 64.9



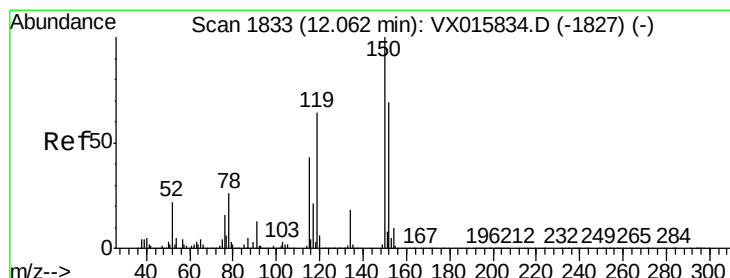
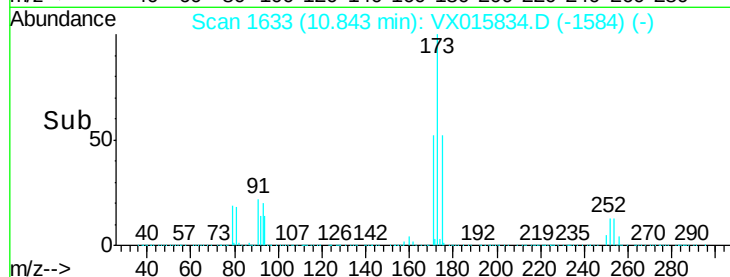
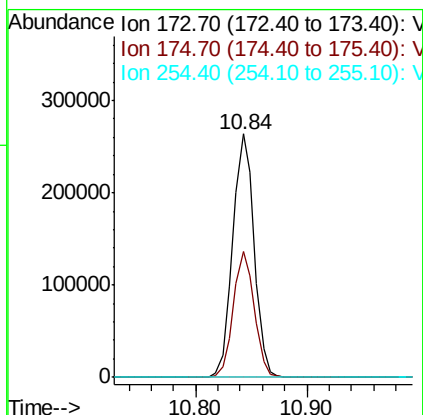
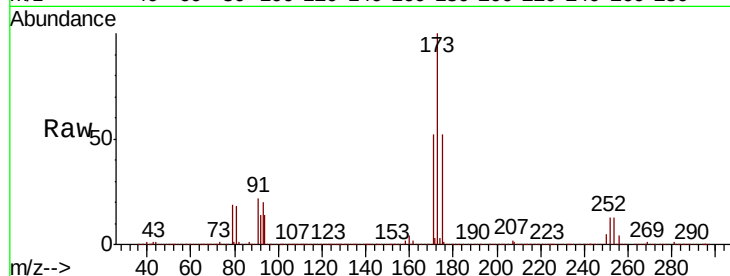




#71  
Bromoform  
Concen: 60.409 ug/l  
RT: 10.84 min Scan# 1633  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

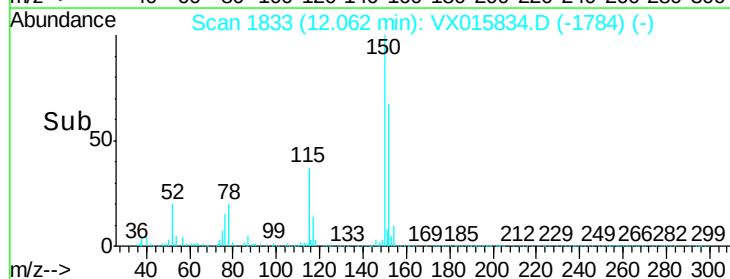
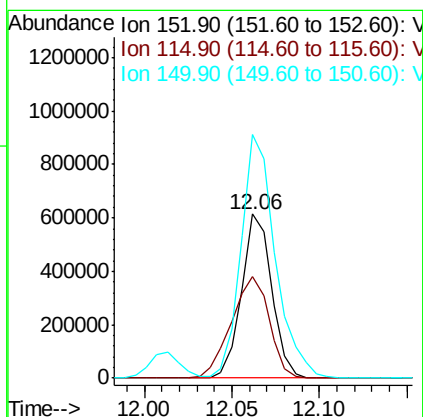
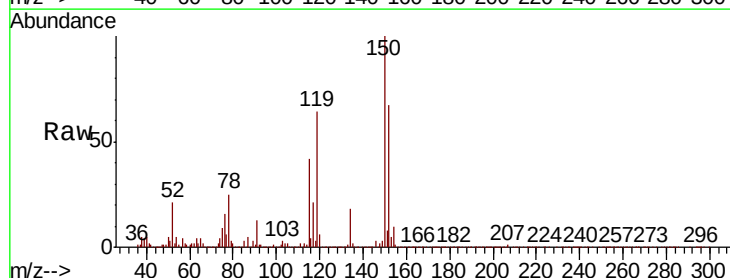
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

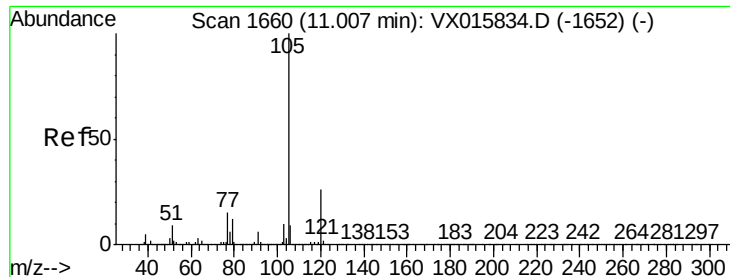
Tot Ion:173 Resp: 350753  
Ion Ratio Lower Upper  
173 100  
175 50.3 25.1 75.4  
254 0.4 0.3 0.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1833  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

Tgt Ion:152 Resp: 734381  
Ion Ratio Lower Upper  
152 100  
115 77.9 39.0 116.9  
150 168.4 0.0 336.8





#73

Isopropylbenzene

Concen: 52.416 ug/l

RT: 11.01 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

Instrument :

MSVOA\_X

ClientSampleId :

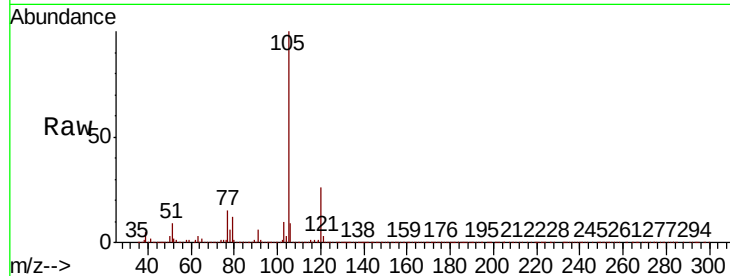
VSTDICCC050

Tot Ion:105 Resp: 2460651

Ion Ratio Lower Upper

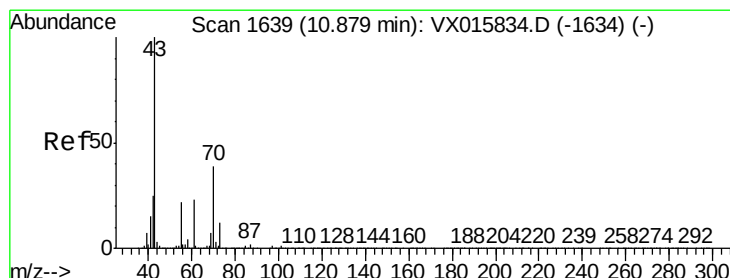
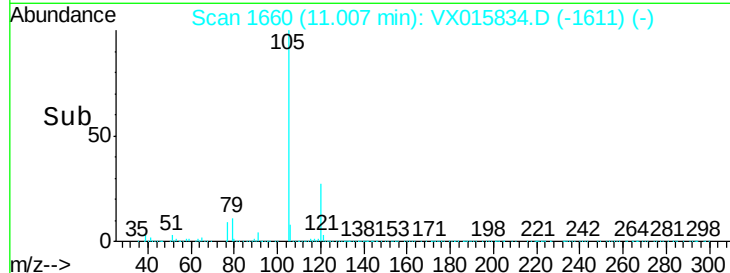
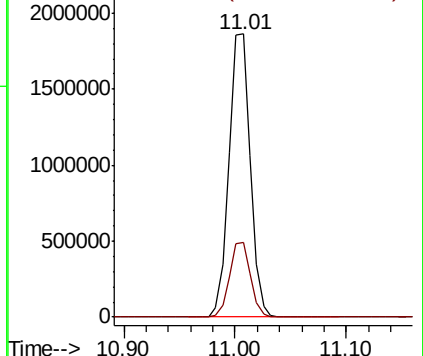
105 100

120 26.1 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.936 ug/l

RT: 10.88 min Scan# 1639

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

Tgt Ion: 43 Resp: 1218603

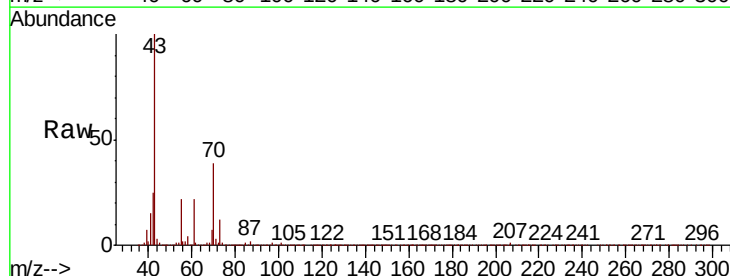
Ion Ratio Lower Upper

43 100

70 40.8 32.6 49.0

55 22.9 18.3 27.5

61 23.4 18.7 28.1

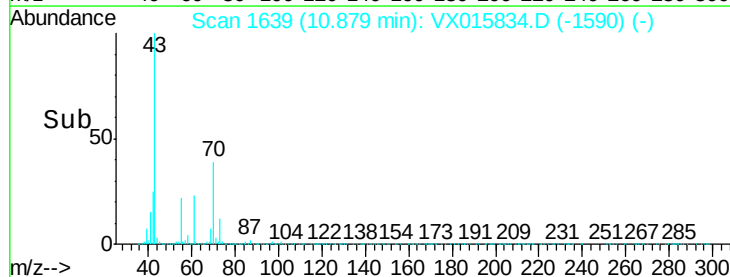
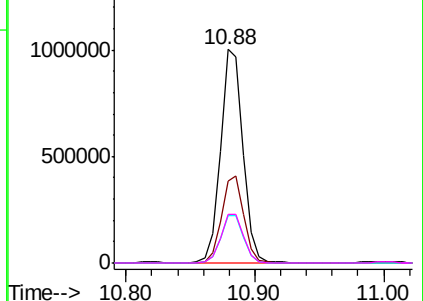


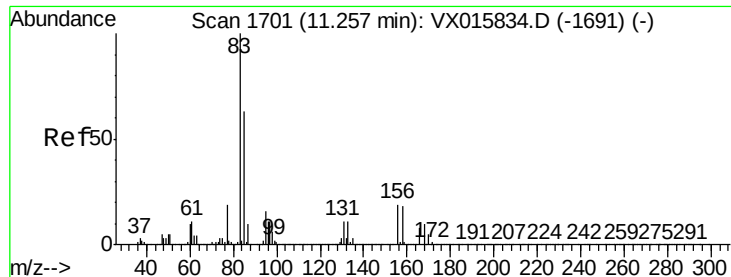
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.878 ug/l

RT: 11.26 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

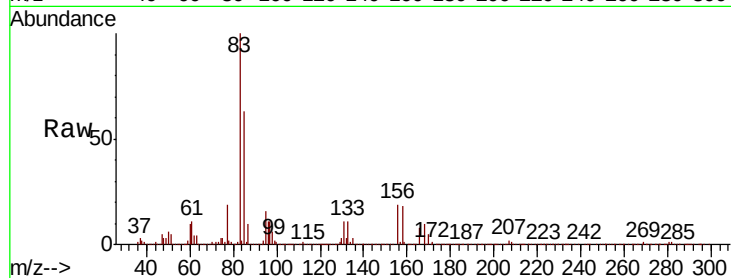
Tot Ion: 83 Resp: 511518

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.4

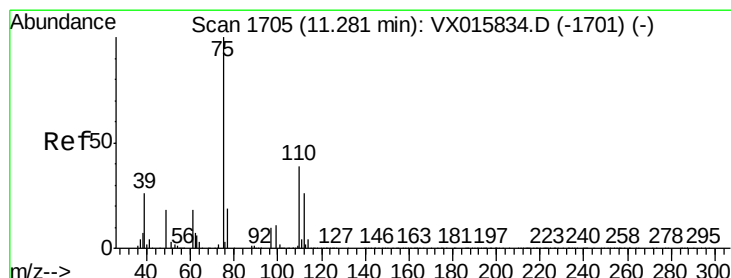
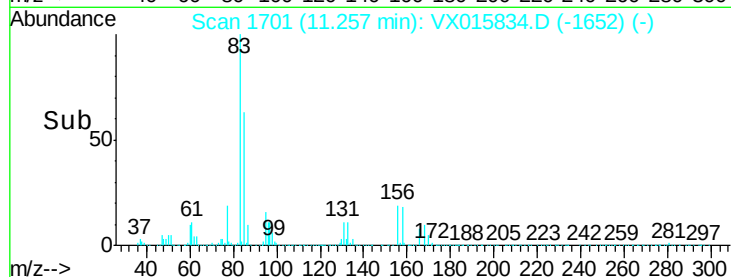
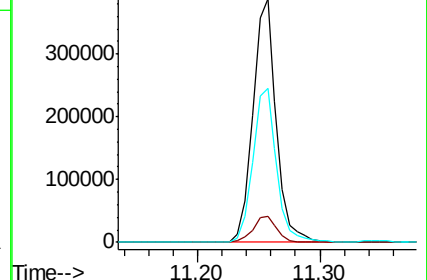
85 64.7 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 56.276 ug/l

RT: 11.28 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VX015834.D

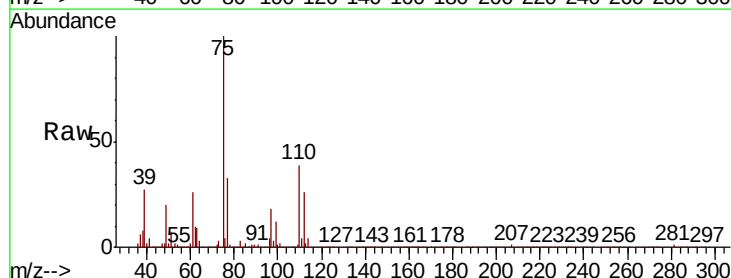
Acq: 22 Apr 2020 11:06

Tgt Ion: 75 Resp: 953644

Ion Ratio Lower Upper

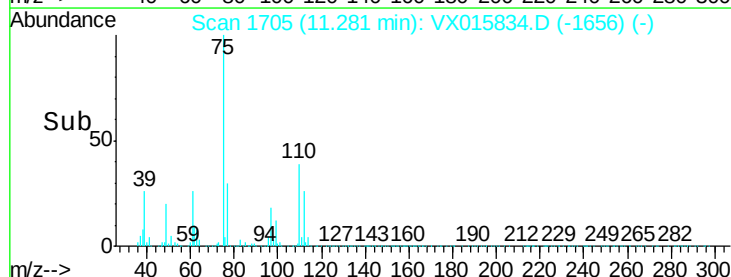
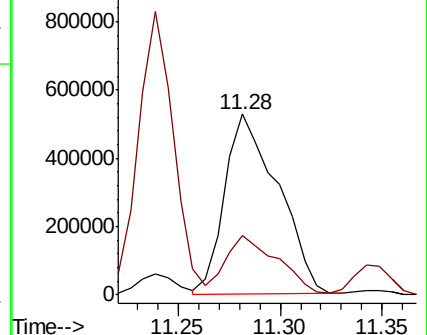
75 100

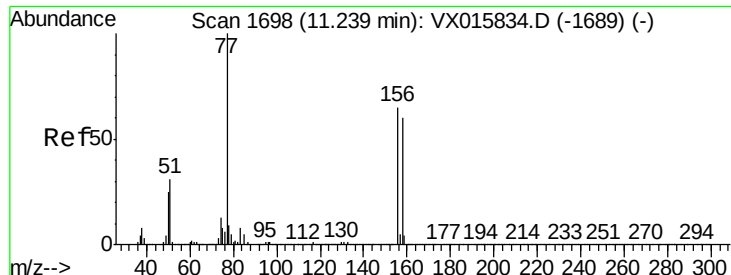
77 32.1 21.3 63.9



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 52.238 ug/l

RT: 11.24 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

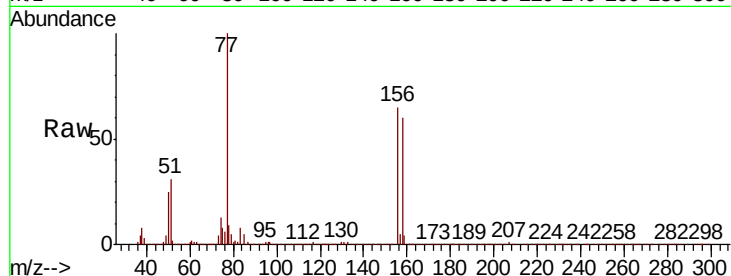
Tot Ion:156 Resp: 664630

Ion Ratio Lower Upper

156 100

77 150.4 75.2 225.6

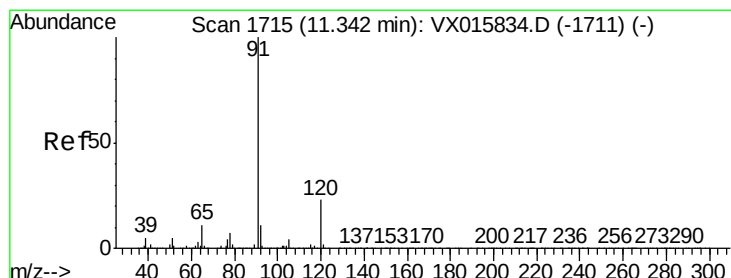
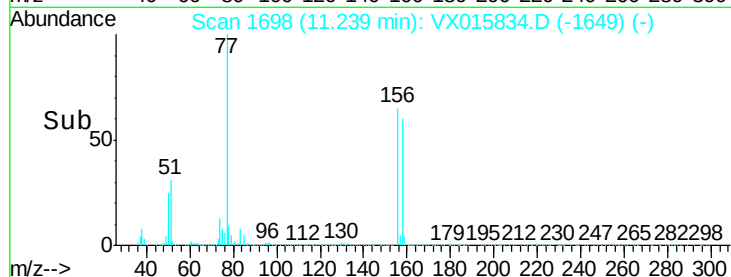
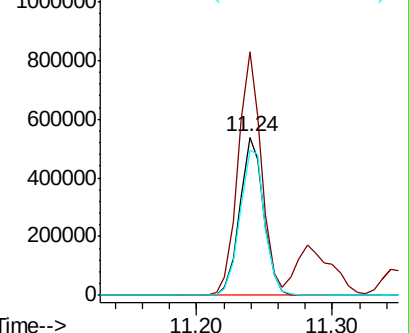
158 95.7 47.9 143.6



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: 51.669 ug/l

RT: 11.34 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VX015834.D

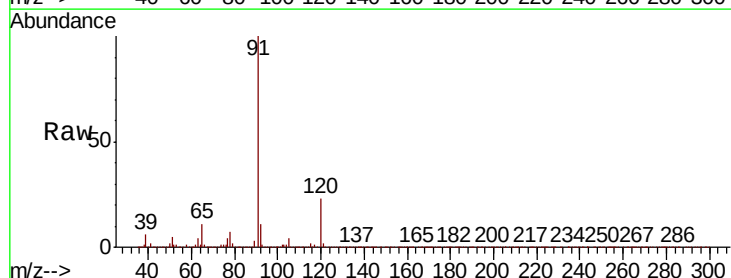
Acq: 22 Apr 2020 11:06

Tgt Ion: 91 Resp: 2781748

Ion Ratio Lower Upper

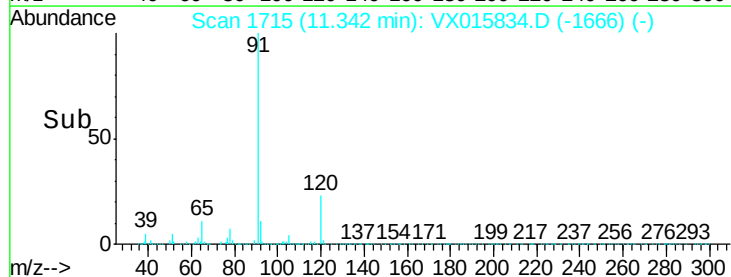
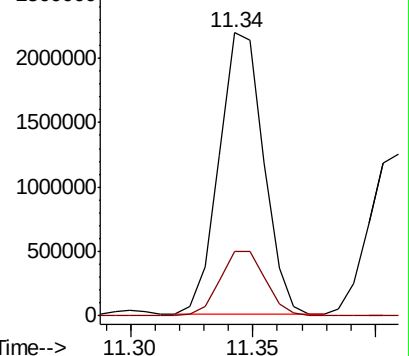
91 100

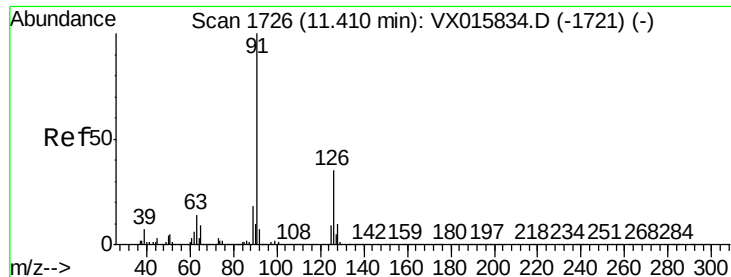
120 23.4 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.494 ug/l

RT: 11.41 min Scan# 1726

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

Instrument :

MSVOA\_X

ClientSampleId :

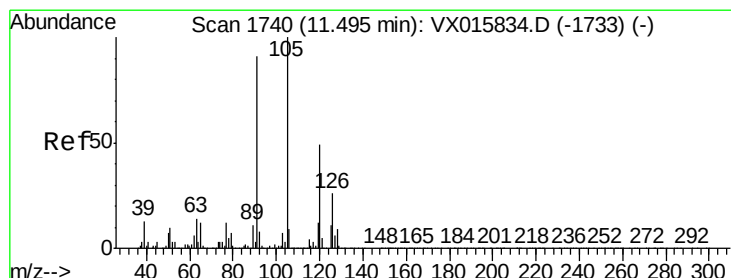
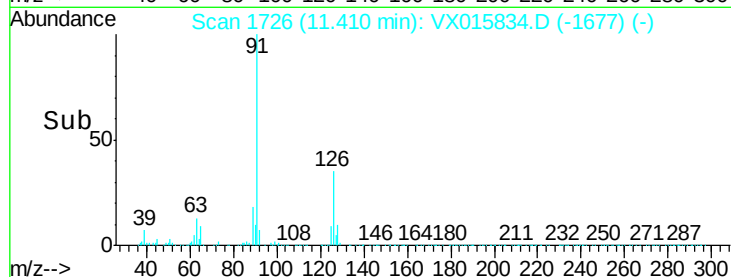
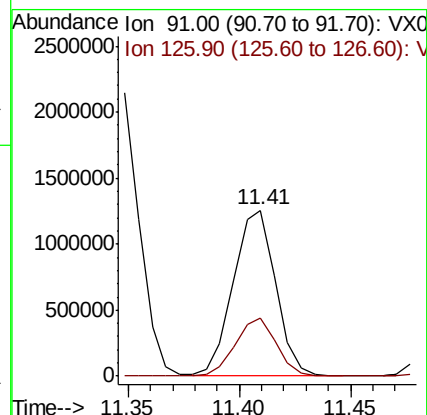
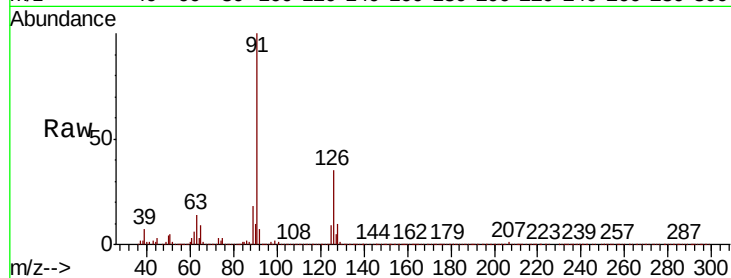
VSTDICCC050

Tot Ion: 91 Resp: 1650500

Ion Ratio Lower Upper

91 100

126 34.3 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 52.470 ug/l

RT: 11.49 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VX015834.D

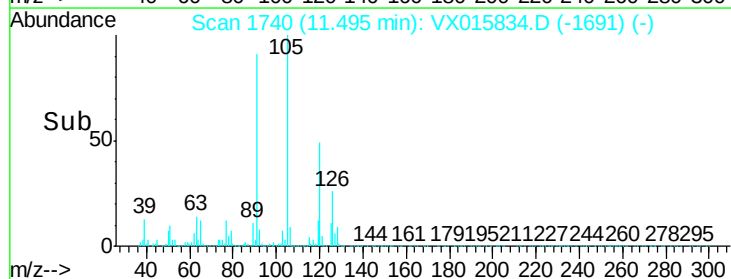
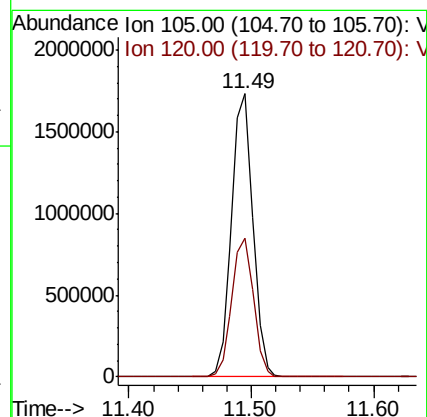
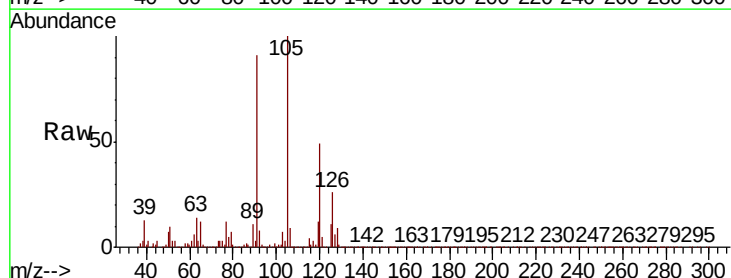
Acq: 22 Apr 2020 11:06

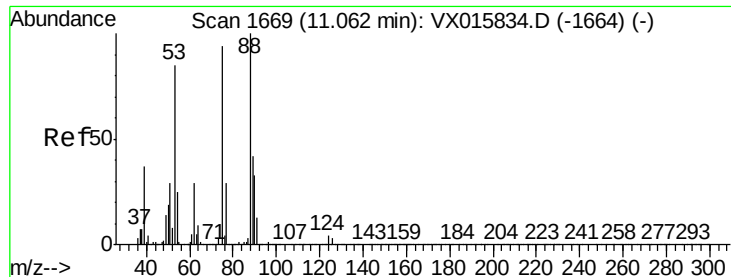
Tgt Ion: 105 Resp: 2081537

Ion Ratio Lower Upper

105 100

120 49.8 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 55.784 ug/l

RT: 11.06 min Scan# 1669

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

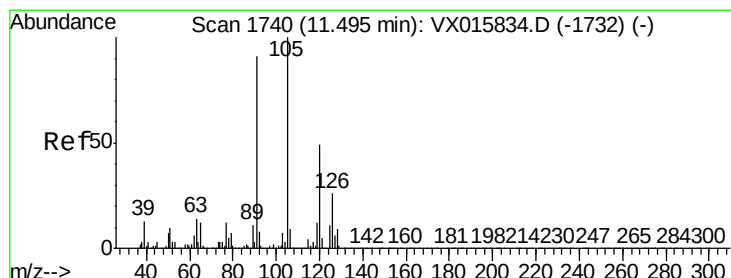
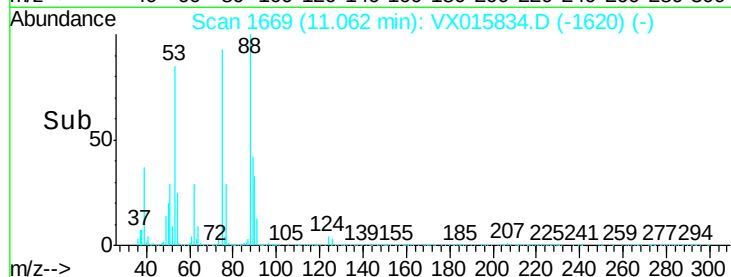
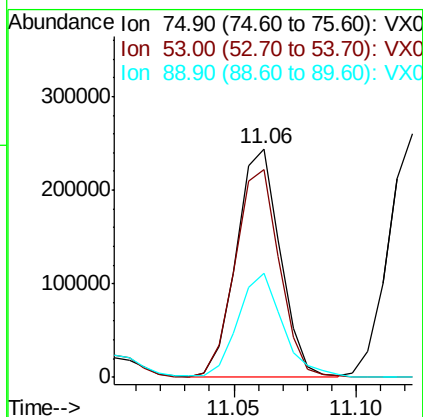
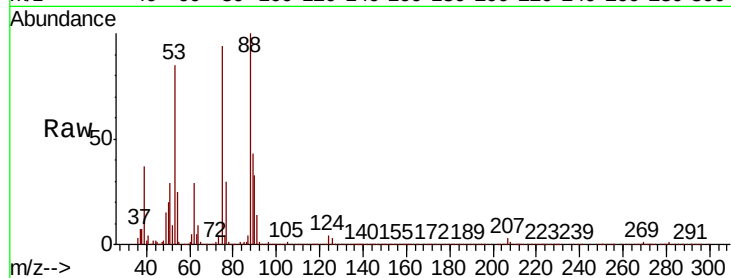
Tot Ion: 75 Resp: 302060

Ion Ratio Lower Upper

75 100

53 92.7 74.2 111.2

89 47.5 38.0 57.0



#82

4-Chlorotoluene

Concen: 50.842 ug/l

RT: 11.49 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VX015834.D

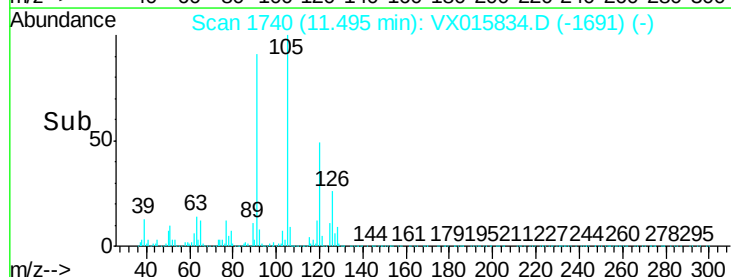
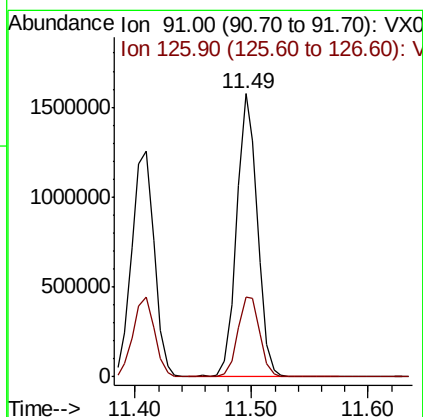
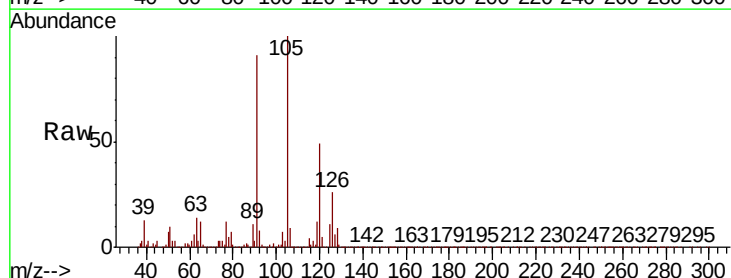
Acq: 22 Apr 2020 11:06

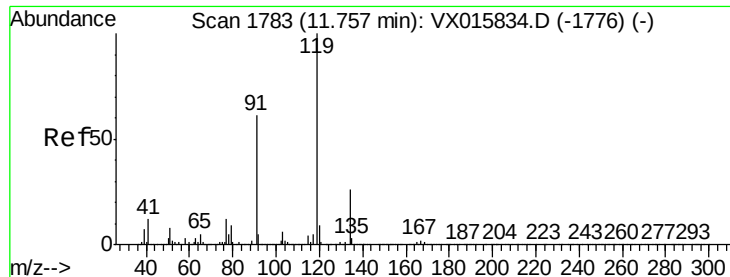
Tgt Ion: 91 Resp: 1943200

Ion Ratio Lower Upper

91 100

126 30.0 15.0 45.0

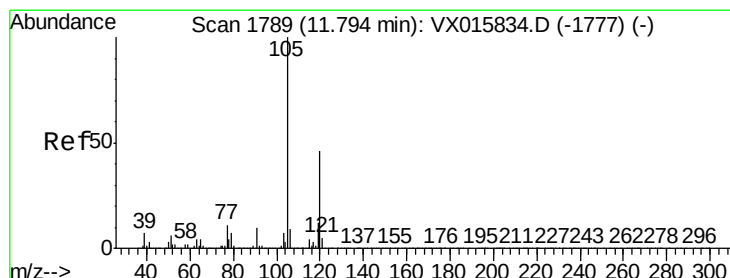
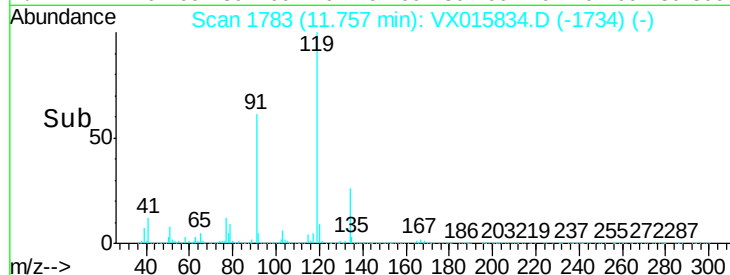
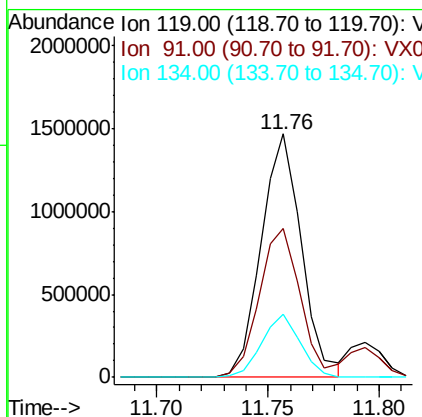
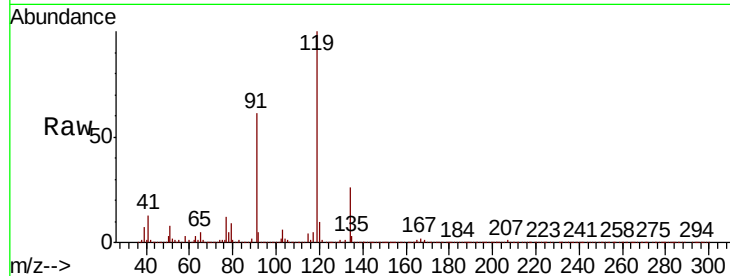




#83  
tert-Butylbenzene  
Concen: 52.248 ug/l  
RT: 11.76 min Scan# 1783  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

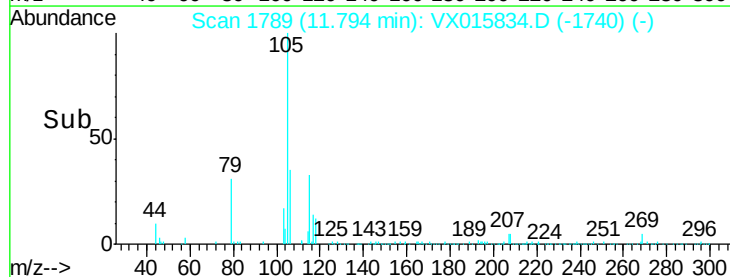
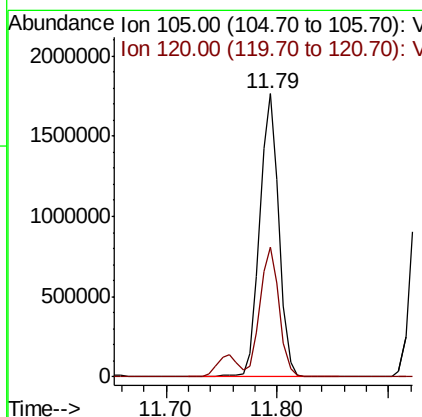
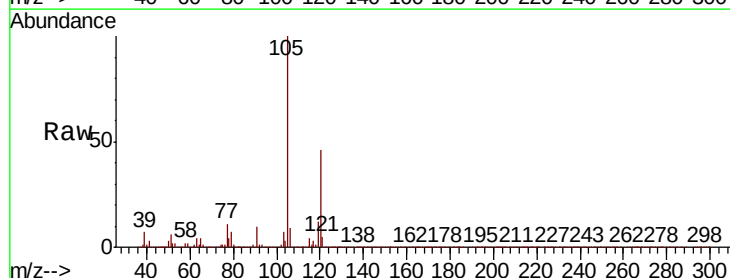
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

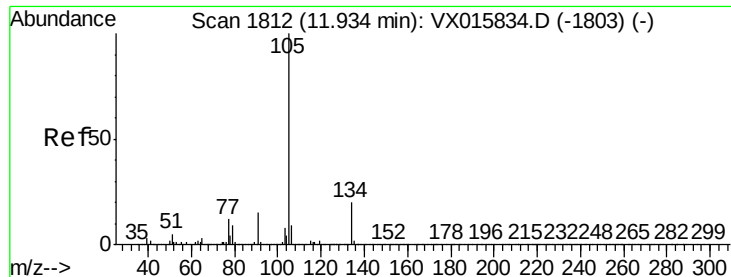
Tot Ion:119 Resp: 1843323  
Ion Ratio Lower Upper  
119 100  
91 61.8 30.9 92.7  
134 24.8 12.4 37.2



#84  
1,2,4-Trimethylbenzene  
Concen: 51.436 ug/l  
RT: 11.79 min Scan# 1789  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

Tgt Ion:105 Resp: 2121820  
Ion Ratio Lower Upper  
105 100  
120 45.8 22.9 68.7





#85

sec-Butylbenzene

Concen: 51.383 ug/l

RT: 11.93 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

Instrument :

MSVOA\_X

ClientSampleId :

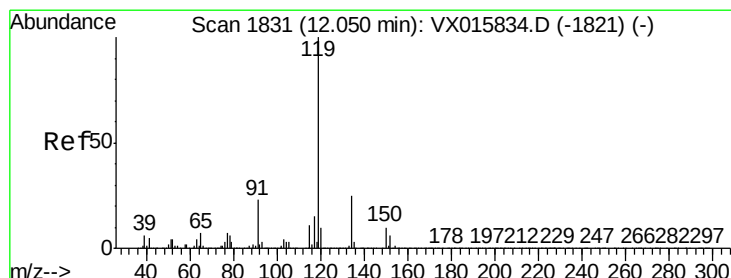
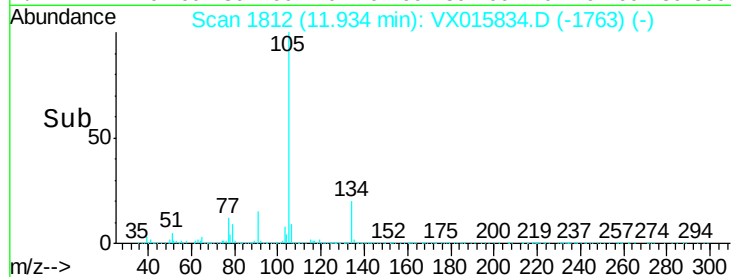
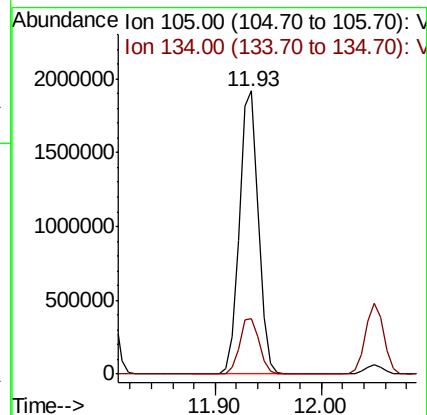
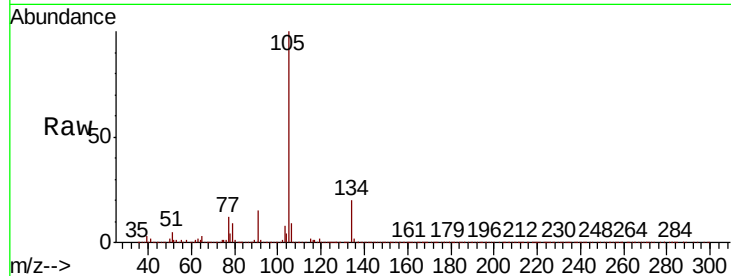
VSTDICCC050

Tot Ion:105 Resp: 2394752

Ion Ratio Lower Upper

105 100

134 20.5 10.3 30.8



#86

p-Isopropyltoluene

Concen: 52.013 ug/l

RT: 12.05 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

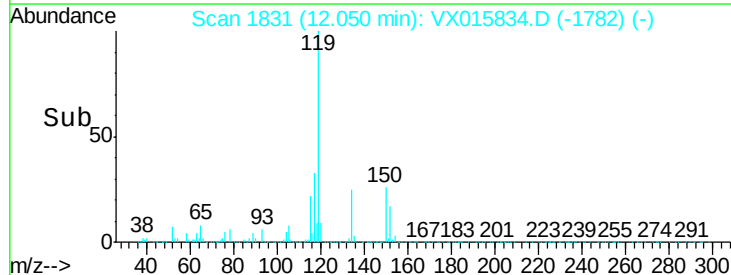
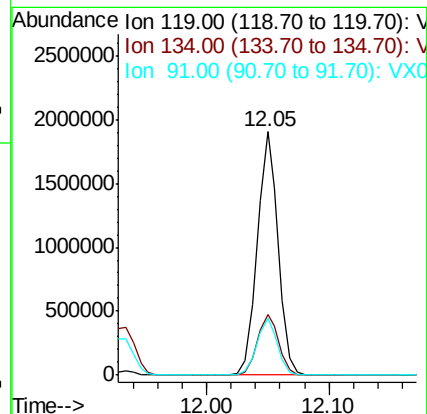
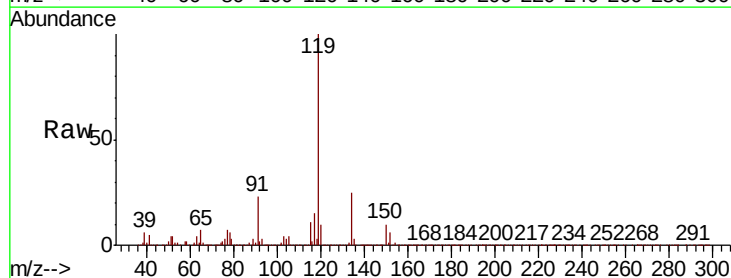
Tgt Ion:119 Resp: 2256554

Ion Ratio Lower Upper

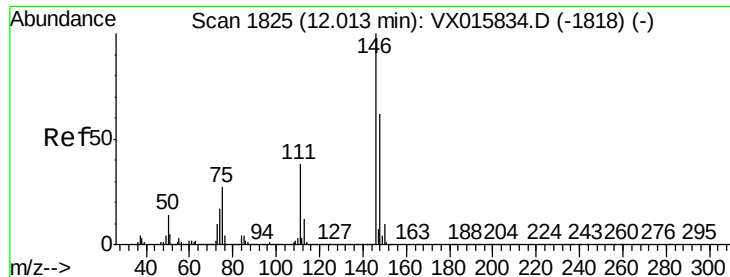
119 100

134 25.9 13.0 38.9

91 23.0 11.5 34.5







#87

1,3-Dichlorobenzene

Concen: 51.398 ug/l

RT: 12.01 min Scan# 1825

Delta R.T. 0.00 min

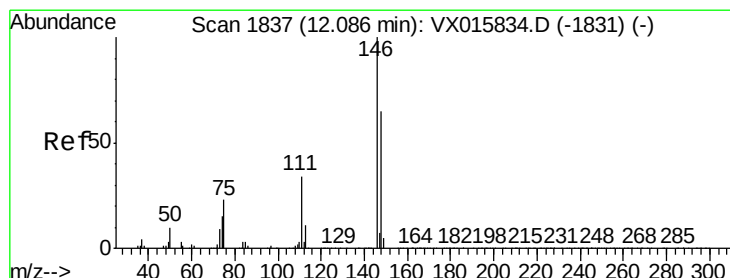
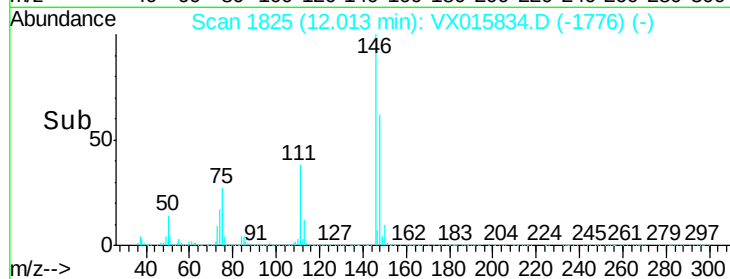
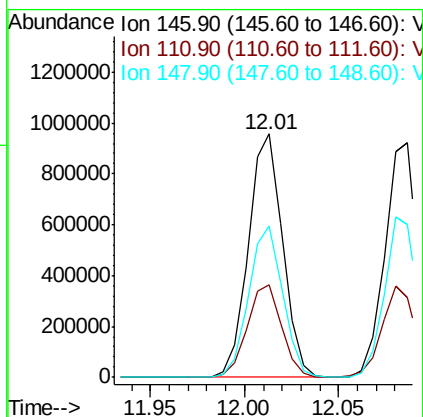
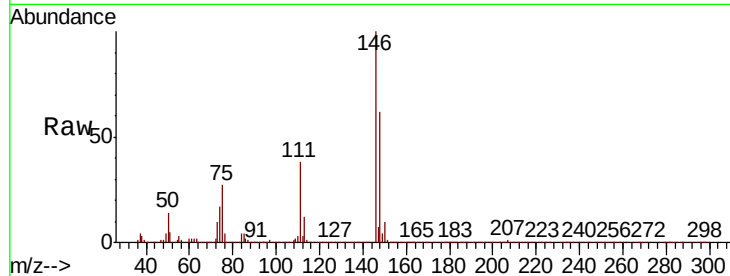
Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tot Ion:146 Resp: 1203770

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 38.1  | 19.1  | 57.1  |
| 148 | 61.8  | 30.9  | 92.7  |



#88

1,4-Dichlorobenzene

Concen: 48.977 ug/l

RT: 12.09 min Scan# 1837

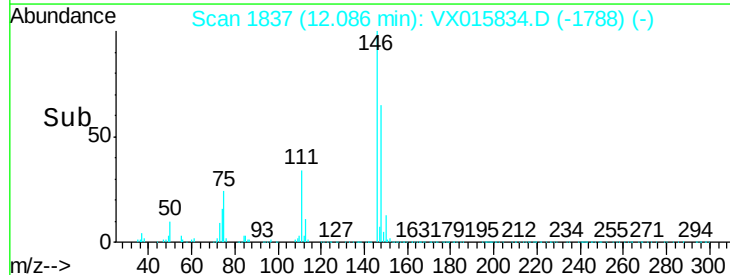
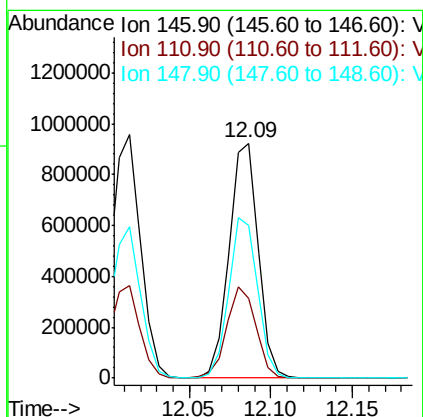
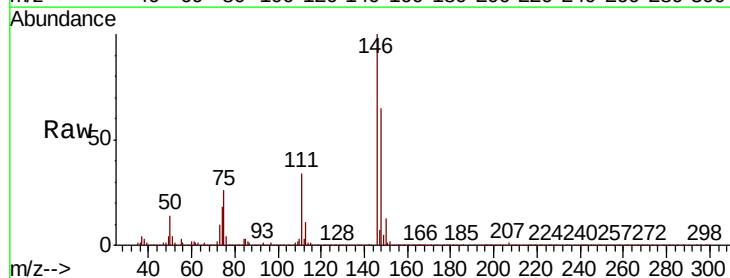
Delta R.T. 0.00 min

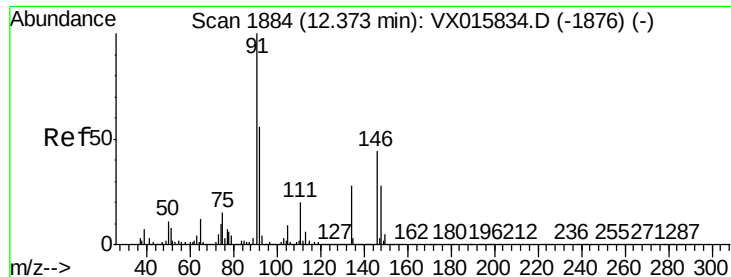
Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

Tgt Ion:146 Resp: 1143113

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 38.8  | 19.4  | 58.2  |
| 148 | 67.6  | 33.8  | 101.4 |

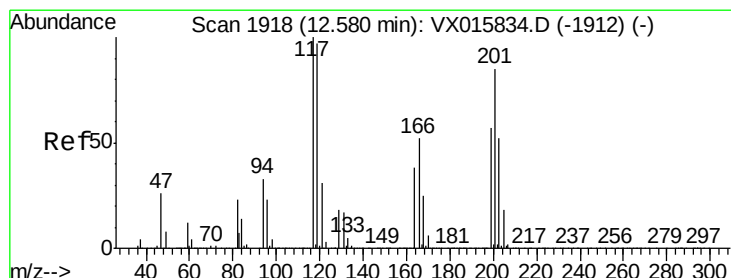
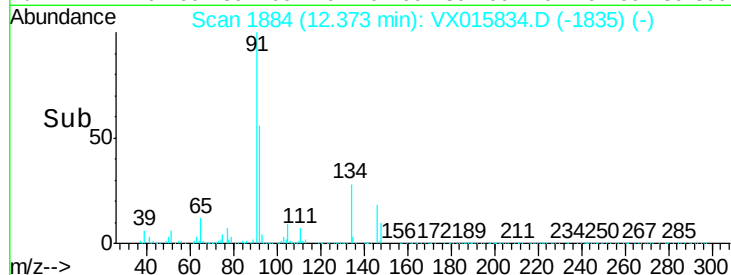
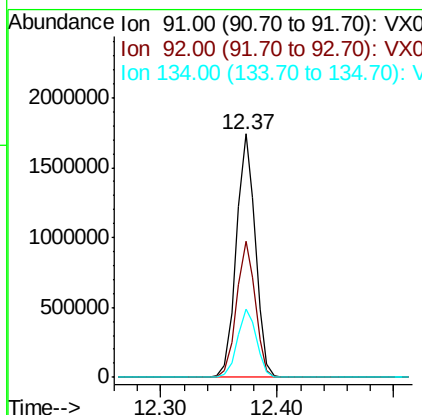
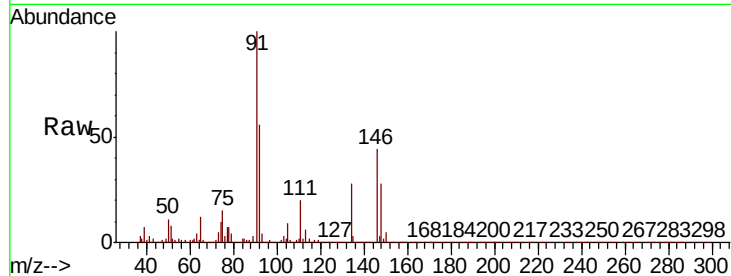




#89  
n-Butylbenzene  
Concen: 51.234 ug/l  
RT: 12.37 min Scan# 1884  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

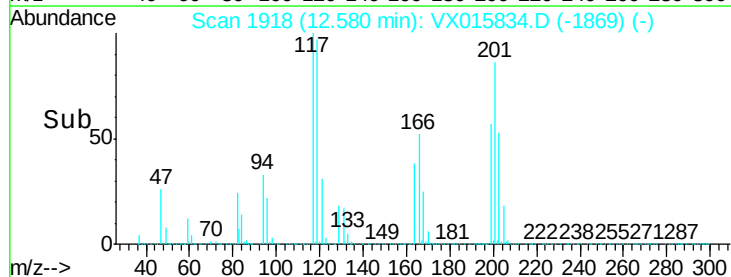
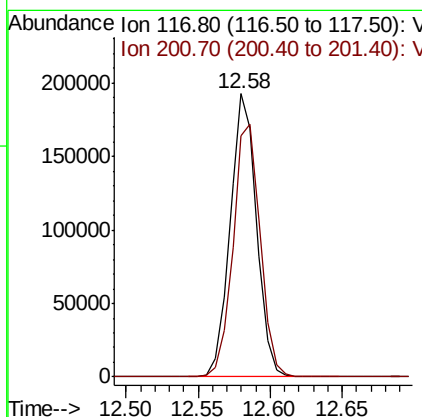
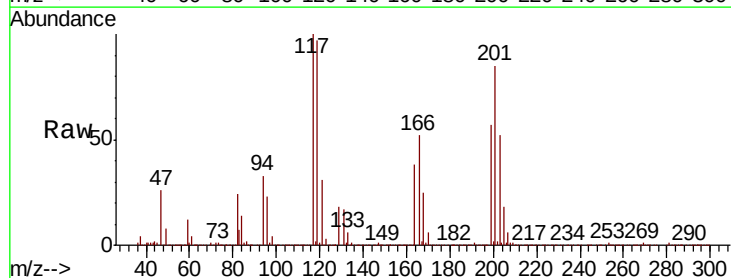
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

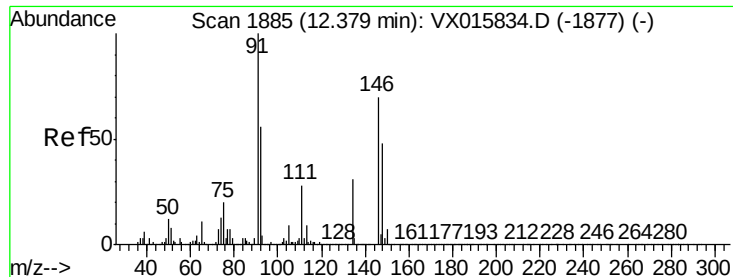
Tot Ion: 91 Resp: 1980949  
Ion Ratio Lower Upper  
91 100  
92 55.4 27.7 83.1  
134 28.3 14.1 42.4



#90  
Hexachloroethane  
Concen: 64.591 ug/l  
RT: 12.58 min Scan# 1918  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

Tgt Ion: 117 Resp: 247020  
Ion Ratio Lower Upper  
117 100  
201 91.3 45.6 136.9





#91

1,2-Dichlorobenzene

Concen: 51.077 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

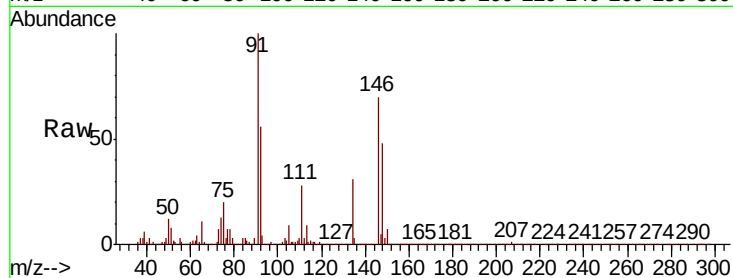
Tot Ion:146 Resp: 1127905

Ion Ratio Lower Upper

146 100

111 40.7 20.3 61.0

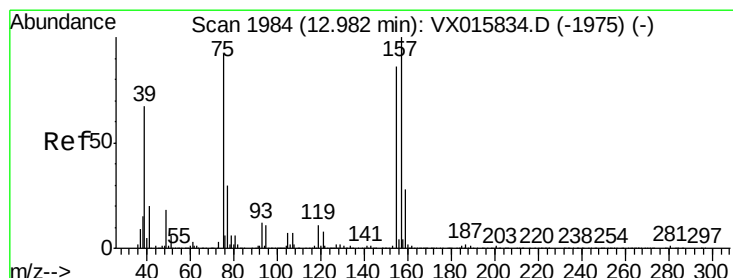
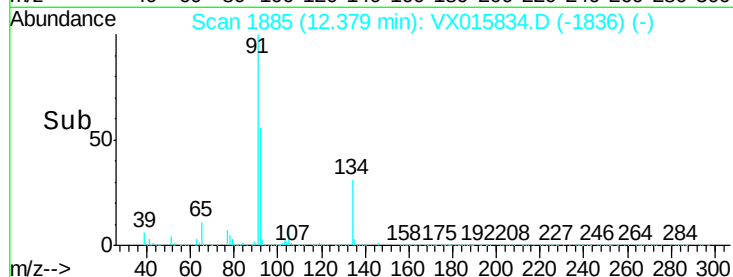
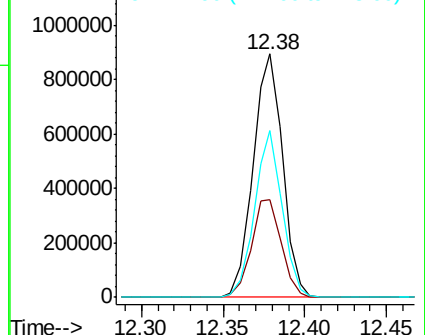
148 64.2 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.885 ug/l

RT: 12.98 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VX015834.D

Acq: 22 Apr 2020 11:06

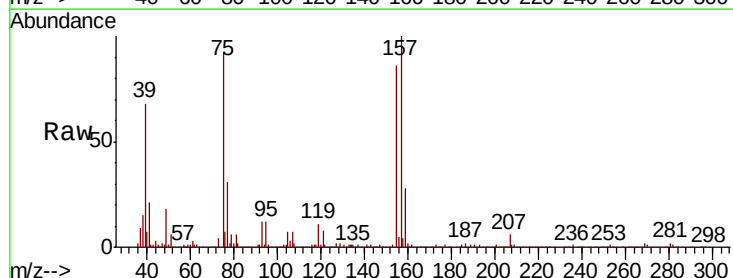
Tgt Ion: 75 Resp: 144153

Ion Ratio Lower Upper

75 100

155 96.3 48.1 144.4

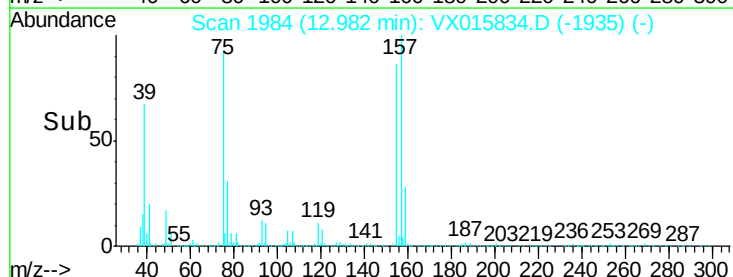
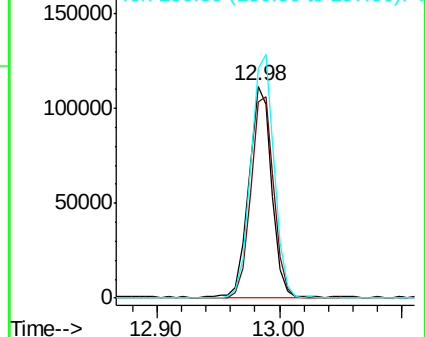
157 117.8 58.9 176.7

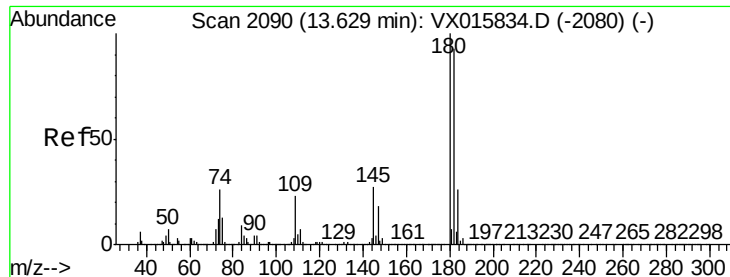


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

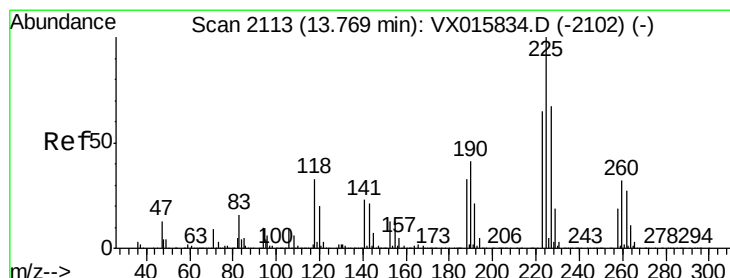
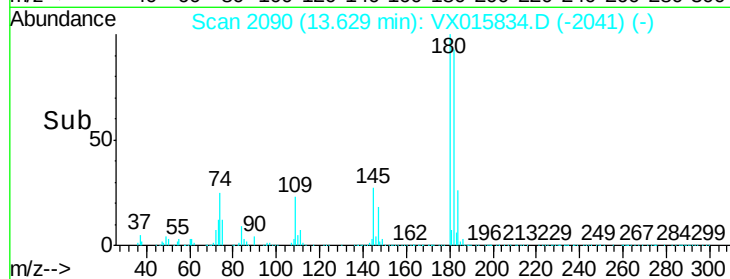
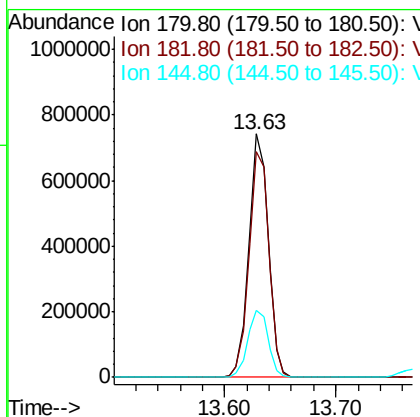
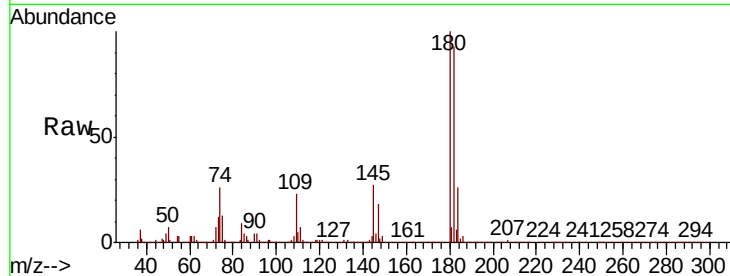




#93  
 1,2,4-Trichlorobenzene  
 Concen: 51.458 ug/l  
 RT: 13.63 min Scan# 2090  
 Delta R.T. 0.00 min  
 Lab File: VX015834.D  
 Acq: 22 Apr 2020 11:06

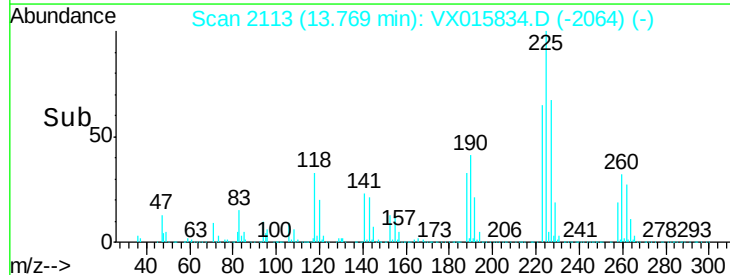
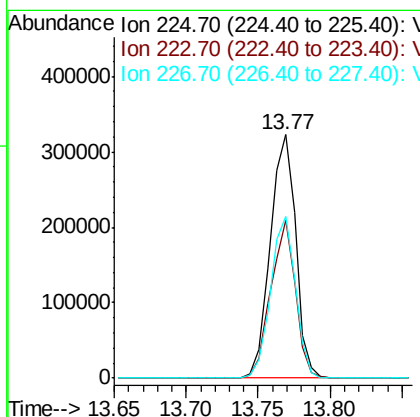
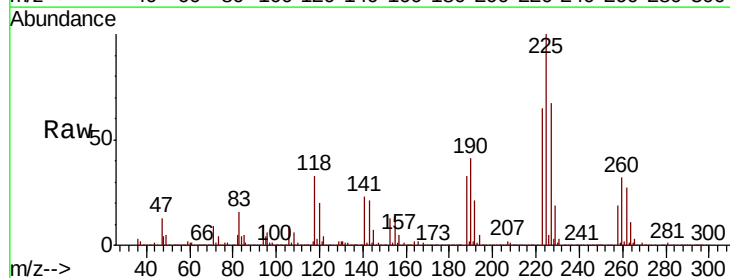
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

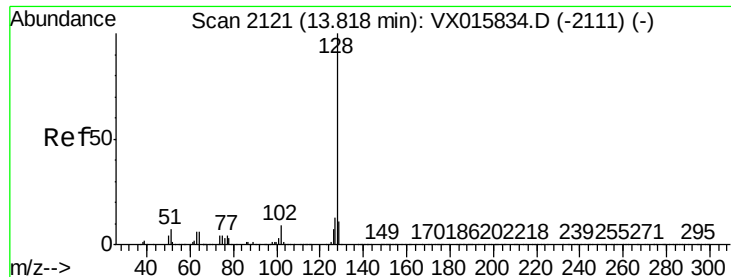
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.4  | 47.7  | 143.1 |
| 145     | 29.0  | 14.5  | 43.5  |



#94  
 Hexachlorobutadiene  
 Concen: 50.943 ug/l  
 RT: 13.77 min Scan# 2113  
 Delta R.T. 0.00 min  
 Lab File: VX015834.D  
 Acq: 22 Apr 2020 11:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.5  | 31.3  | 93.8  |
| 227     | 65.2  | 32.6  | 97.8  |

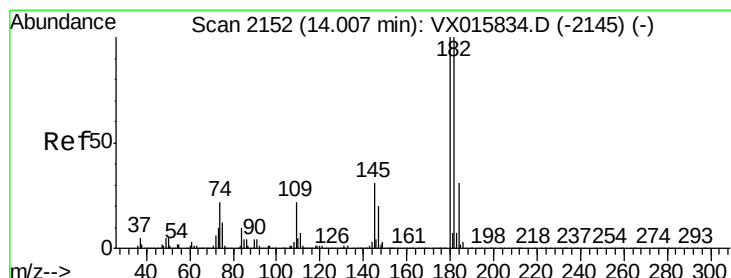
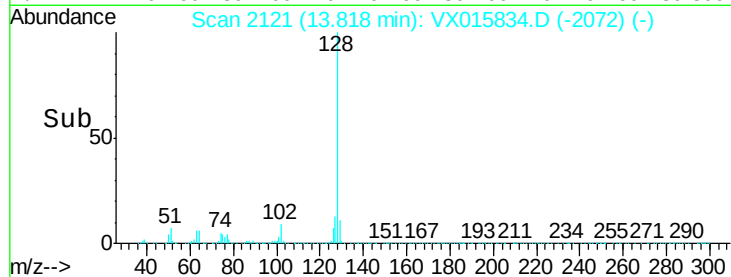
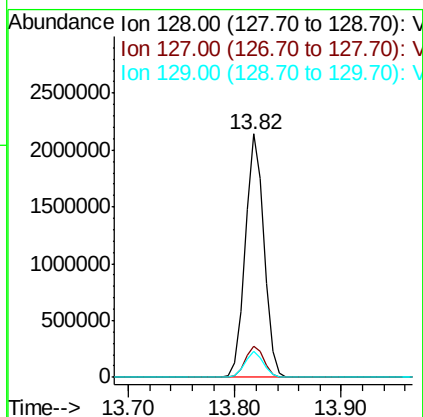
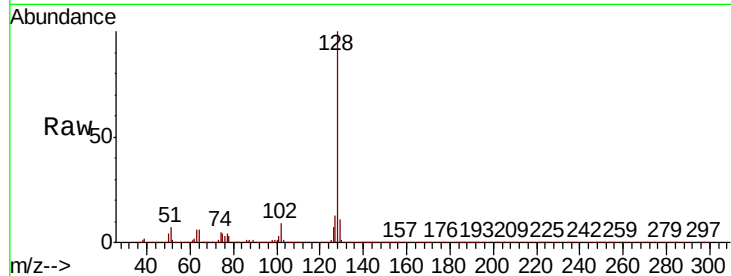




#95  
Naphthalene  
Concen: 52.706 ug/l  
RT: 13.82 min Scan# 2121  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tot Ion:128 Resp: 2637049  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.5 15.7  
129 10.6 8.5 12.7



#96  
1,2,3-Trichlorobenzene  
Concen: 51.566 ug/l  
RT: 14.01 min Scan# 2152  
Delta R.T. 0.00 min  
Lab File: VX015834.D  
Acq: 22 Apr 2020 11:06

Tgt Ion:180 Resp: 869505  
Ion Ratio Lower Upper  
180 100  
182 95.8 47.9 143.7  
145 30.3 15.2 45.5

