

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032720\  
 Data File : VX015368.D  
 Acq On : 26 Mar 2020 20:39  
 Operator : JC/SP  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Quant Time: Mar 27 09:00:38 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X032720W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 27 08:55:48 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 912543   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 1603112  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 1507006  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 781882   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 706377   | 59.40 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 118.80% |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 510498   | 48.81 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.62%  |          |
| 50) Toluene-d8              | 8.70  | 98   | 1799939  | 47.32 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.64%  |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 742092   | 50.52 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.04% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.18 | 85   | 326492   | 34.196  | ug/l  | 100    |
| 3) Chloromethane              | 1.31 | 50   | 552088   | 49.666  | ug/l  | 100    |
| 4) Vinyl Chloride             | 1.39 | 62   | 445133   | 41.208  | ug/l  | 100    |
| 5) Bromomethane               | 1.62 | 94   | 244080   | 58.485  | ug/l  | 100    |
| 6) Chloroethane               | 1.70 | 64   | 291541   | 43.171  | ug/l  | 100    |
| 7) Trichlorofluoromethane     | 1.91 | 101  | 535080   | 37.338  | ug/l  | 100    |
| 8) Diethyl Ether              | 2.17 | 74   | 291777   | 47.296  | ug/l  | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.36 | 101  | 331442   | 30.813  | ug/l  | 100    |
| 10) Methyl Iodide             | 2.49 | 142  | 659794   | 54.826  | ug/l  | 100    |
| 11) Tert butyl alcohol        | 3.01 | 59   | 862426   | 352.664 | ug/l  | 100    |
| 12) 1,1-Dichloroethene        | 2.36 | 96   | 413190   | 36.610  | ug/l  | 100    |
| 13) Acrolein                  | 2.27 | 56   | 483230   | 224.269 | ug/l  | 100    |
| 14) Allyl chloride            | 2.70 | 41   | 1094536  | 60.562  | ug/l  | 100    |
| 15) Acrylonitrile             | 3.12 | 53   | 1725859  | 290.000 | ug/l  | 100    |
| 16) Acetone                   | 2.42 | 43   | 1588602  | 313.106 | ug/l  | 100    |
| 17) Carbon Disulfide          | 2.55 | 76   | 1274057  | 41.748  | ug/l  | 100    |
| 18) Methyl Acetate            | 2.75 | 43   | 823143   | 64.448  | ug/l  | 100    |
| 19) Methyl tert-butyl Ether   | 3.17 | 73   | 1932195  | 56.389  | ug/l  | 100    |
| 20) Methylene Chloride        | 2.83 | 84   | 563270   | 42.133  | ug/l  | 100    |
| 21) trans-1,2-Dichloroethene  | 3.14 | 96   | 495688   | 40.355  | ug/l  | 100    |
| 22) Diisopropyl ether         | 3.83 | 45   | 2040972  | 57.362  | ug/l  | 100    |
| 23) Vinyl Acetate             | 3.79 | 43   | 9548716  | 327.411 | ug/l  | 100    |
| 24) 1,1-Dichloroethane        | 3.67 | 63   | 998571   | 47.272  | ug/l  | 100    |
| 25) 2-Butanone                | 4.64 | 43   | 2589426  | 334.474 | ug/l  | 100    |
| 26) 2,2-Dichloropropane       | 4.56 | 77   | 774180   | 47.040  | ug/l  | 100    |
| 27) cis-1,2-Dichloroethene    | 4.56 | 96   | 608706   | 44.851  | ug/l  | 100    |
| 28) Bromochloromethane        | 4.98 | 49   | 517028   | 57.795  | ug/l  | 100    |
| 29) Tetrahydrofuran           | 5.09 | 42   | 1670049  | 332.583 | ug/l  | 100    |
| 30) Chloroform                | 5.19 | 83   | 995066   | 46.739  | ug/l  | 100    |
| 31) Cyclohexane               | 5.55 | 56   | 675519   | 41.183  | ug/l  | 100    |
| 32) 1,1,1-Trichloroethane     | 5.47 | 97   | 818613   | 46.993  | ug/l  | 100    |
| 36) 1,1-Dichloropropene       | 5.77 | 75   | 649511   | 43.598  | ug/l  | 100    |
| 37) Ethyl Acetate             | 4.80 | 43   | 1025480  | 68.669  | ug/l  | 100    |
| 38) Carbon Tetrachloride      | 5.76 | 117  | 687478   | 47.985  | ug/l  | 100    |

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 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Quant Time: Mar 27 09:00:38 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X032720W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 27 08:55:48 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units | Dev(Min) |
|--------------------------------|-------|------|----------|----------|-------|----------|
| 39) Methylcyclohexane          | 7.44  | 83   | 607461   | 35.111   | ug/l  | 100      |
| 40) Benzene                    | 6.12  | 78   | 2154098  | 47.156   | ug/l  | 100      |
| 41) Methacrylonitrile          | 5.01  | 41   | 584085   | 72.108   | ug/l  | 100      |
| 42) 1,2-Dichloroethane         | 6.17  | 62   | 917493   | 62.505   | ug/l  | 100      |
| 43) Isopropyl Acetate          | 6.42  | 43   | 1742588  | 75.325   | ug/l  | 100      |
| 44) Trichloroethene            | 7.19  | 130  | 556073   | 44.428   | ug/l  | 100      |
| 45) 1,2-Dichloropropane        | 7.50  | 63   | 601878   | 54.558   | ug/l  | 100      |
| 46) Dibromomethane             | 7.64  | 93   | 404590   | 52.442   | ug/l  | 100      |
| 47) Bromodichloromethane       | 7.88  | 83   | 870203   | 59.048   | ug/l  | 100      |
| 48) Methyl methacrylate        | 7.75  | 41   | 869921   | 78.288   | ug/l  | 100      |
| 49) 1,4-Dioxane                | 7.72  | 88   | 326471   | 1154.574 | ug/l  | 100      |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 4981434  | 355.981  | ug/l  | 100      |
| 52) Toluene                    | 8.77  | 92   | 1331939  | 47.573   | ug/l  | 100      |
| 53) t-1,3-Dichloropropene      | 9.03  | 75   | 1005457  | 62.808   | ug/l  | 100      |
| 54) cis-1,3-Dichloropropene    | 8.42  | 75   | 1032710  | 58.084   | ug/l  | 100      |
| 55) 1,1,2-Trichloroethane      | 9.20  | 97   | 576620   | 48.116   | ug/l  | 100      |
| 56) Ethyl methacrylate         | 9.16  | 69   | 1027535  | 63.064   | ug/l  | 100      |
| 57) 1,3-Dichloropropane        | 9.36  | 76   | 1016011  | 51.080   | ug/l  | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.29  | 63   | 2510896  | 275.763  | ug/l  | 100      |
| 59) 2-Hexanone                 | 9.48  | 43   | 3798276  | 363.663  | ug/l  | 100      |
| 60) Dibromochloromethane       | 9.57  | 129  | 705282   | 58.572   | ug/l  | 100      |
| 61) 1,2-Dibromoethane          | 9.65  | 107  | 631625   | 51.506   | ug/l  | 100      |
| 64) Tetrachloroethene          | 9.32  | 164  | 497056   | 45.845   | ug/l  | 100      |
| 65) Chlorobenzene              | 10.12 | 112  | 1470225  | 46.842   | ug/l  | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 603518   | 51.951   | ug/l  | 100      |
| 67) Ethyl Benzene              | 10.24 | 91   | 2533564  | 47.459   | ug/l  | 100      |
| 68) m/p-Xylenes                | 10.34 | 106  | 1888782  | 93.421   | ug/l  | 100      |
| 69) o-Xylene                   | 10.68 | 106  | 965259   | 49.114   | ug/l  | 100      |
| 70) Styrene                    | 10.70 | 104  | 1700378  | 51.774   | ug/l  | 100      |
| 71) Bromoform                  | 10.84 | 173  | 568978   | 70.836   | ug/l  | # 100    |
| 73) Isopropylbenzene           | 11.01 | 105  | 2353952  | 41.308   | ug/l  | 100      |
| 74) N-amyl acetate             | 10.89 | 43   | 1476794  | 68.330   | ug/l  | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 891778   | 48.932   | ug/l  | 100      |
| 76) 1,2,3-Trichloropropane     | 11.28 | 75   | 1107329  | 67.290   | ug/l  | 85       |
| 77) Bromobenzene               | 11.24 | 156  | 688546   | 50.391   | ug/l  | 100      |
| 78) n-propylbenzene            | 11.35 | 91   | 2720744  | 42.504   | ug/l  | 100      |
| 79) 2-Chlorotoluene            | 11.41 | 91   | 1751918  | 44.954   | ug/l  | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 2075255  | 45.078   | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.06 | 75   | 354992   | 57.633   | ug/l  | 100      |
| 82) 4-Chlorotoluene            | 11.49 | 91   | 2050708  | 46.348   | ug/l  | 100      |
| 83) tert-Butylbenzene          | 11.76 | 119  | 1969373  | 43.575   | ug/l  | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 2161592  | 45.428   | ug/l  | 100      |
| 85) sec-Butylbenzene           | 11.93 | 105  | 2155007  | 40.253   | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 2091111  | 43.493   | ug/l  | 100      |
| 87) 1,3-Dichlorobenzene        | 12.01 | 146  | 1195967  | 46.696   | ug/l  | 100      |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 1221989  | 45.525   | ug/l  | 100      |
| 89) n-Butylbenzene             | 12.37 | 91   | 1833754  | 40.543   | ug/l  | 100      |
| 90) Hexachloroethane           | 12.58 | 117  | 413889   | 43.832   | ug/l  | 100      |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 1198588  | 46.699   | ug/l  | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 242157   | 59.241   | ug/l  | 100      |

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Sample : VSTDICCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 21 Sample Multiplier: 1

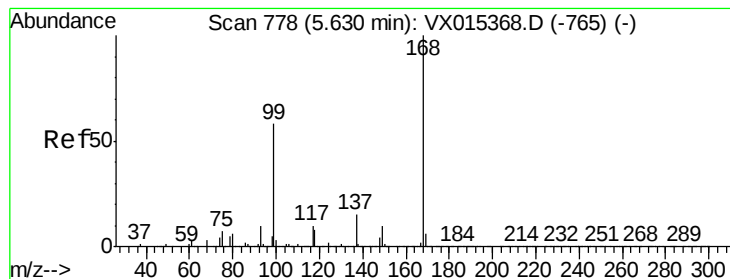
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Quant Time: Mar 27 09:00:38 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X032720W.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 27 08:55:48 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.63 | 180  | 918053   | 57.225 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 13.77 | 225  | 363676   | 53.965 | ug/l  | 100      |
| 95) Naphthalene            | 13.82 | 128  | 3006494  | 57.663 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.00 | 180  | 931774   | 59.125 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

Instrument :

MSVOA\_X

ClientSampleId :

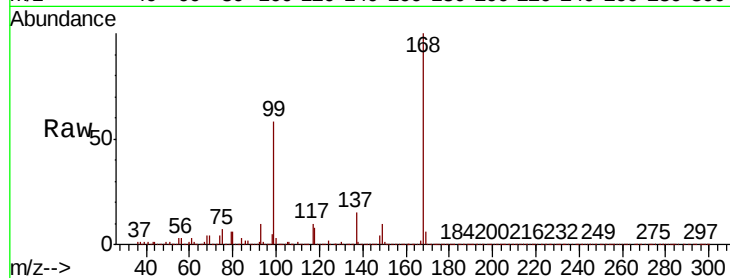
VSTDICCC050

Tot Ion:168 Resp: 912543

Ion Ratio Lower Upper

168 100

99 58.0 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

300000

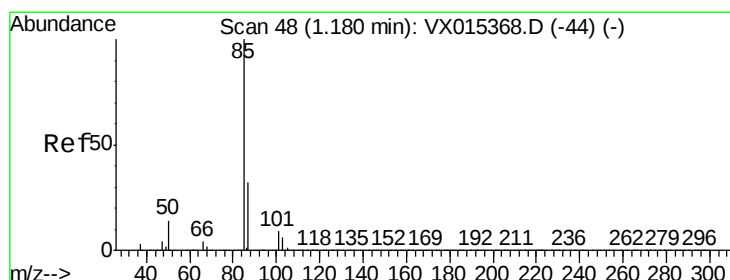
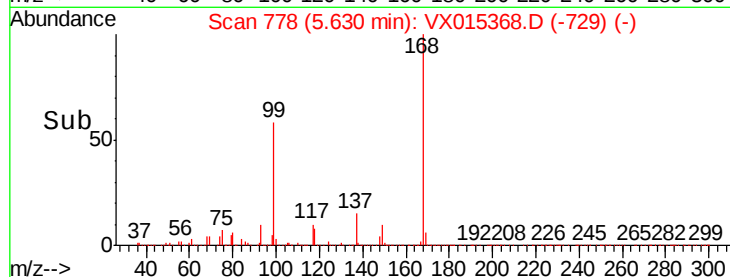
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100000

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Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 34.196 ug/l

RT: 1.18 min Scan# 48

Delta R.T. 0.00 min

Lab File: VX015368.D

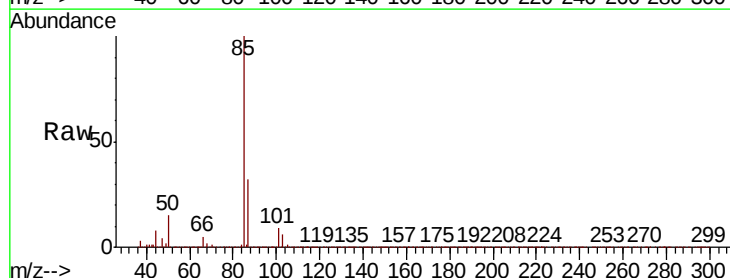
Acq: 26 Mar 2020 20:39

Tgt Ion: 85 Resp: 326492

Ion Ratio Lower Upper

85 100

87 31.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

300000

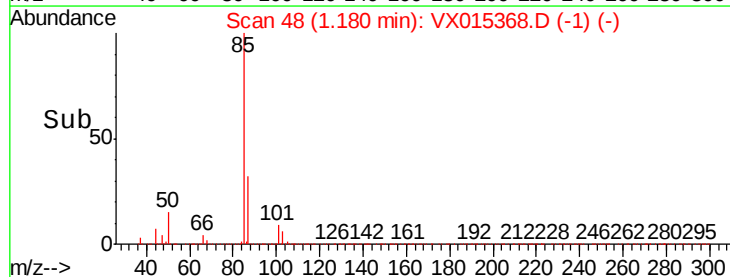
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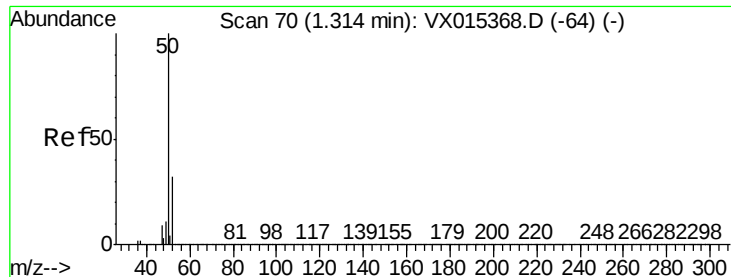
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Time-->

1.10 1.15 1.20 1.25 1.30

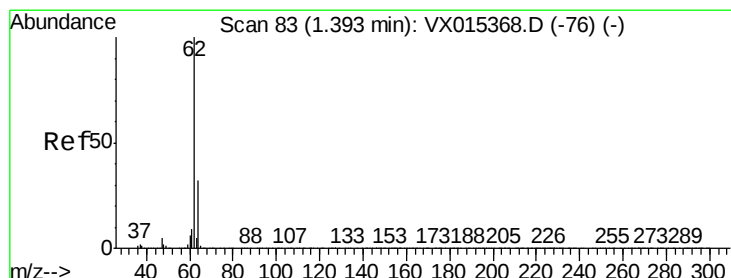
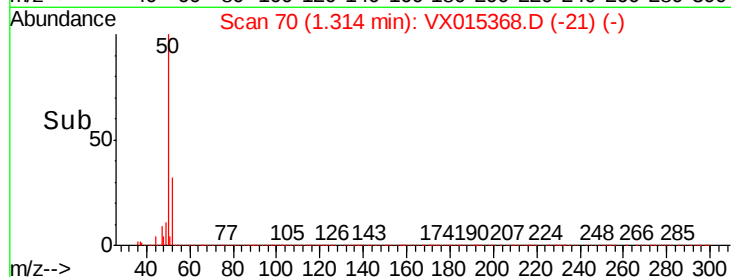
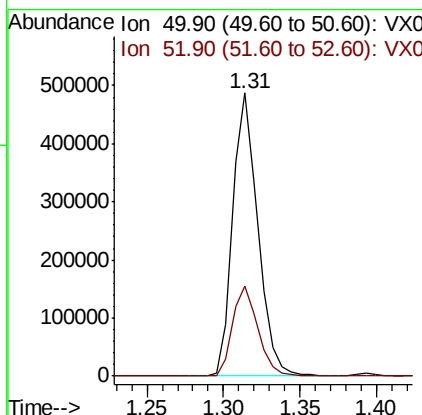
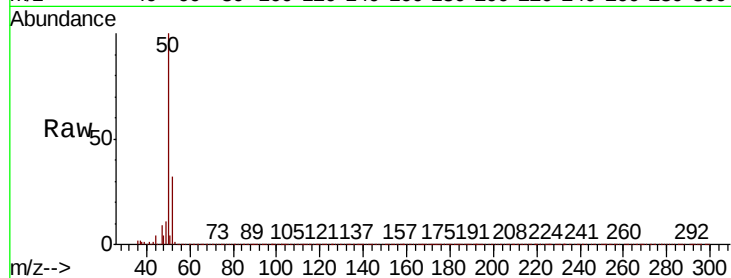




#3  
Chloromethane  
Concen: 49.666 ug/l  
RT: 1.31 min Scan# 70  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

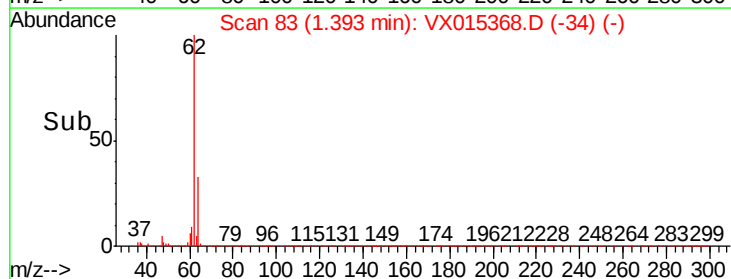
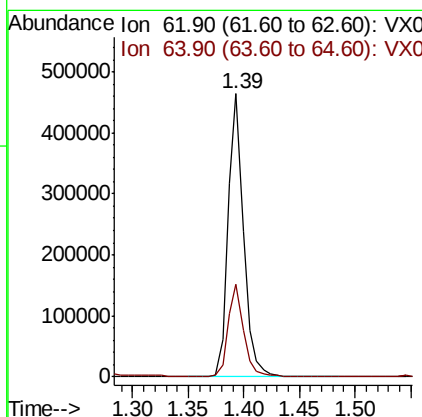
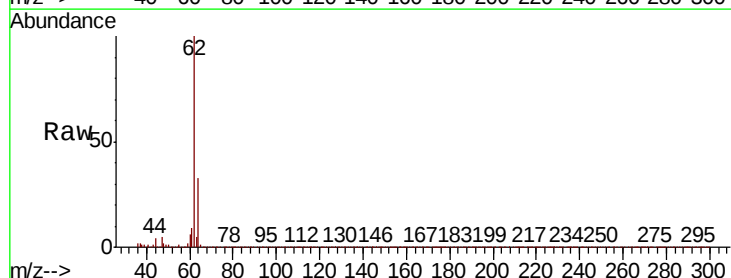
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

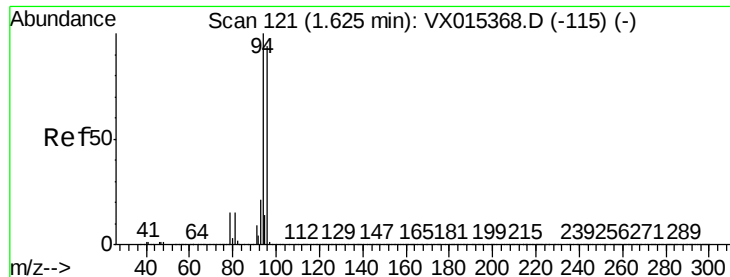
Tot Ion: 50 Resp: 552088  
Ion Ratio Lower Upper  
50 100  
52 31.6 25.3 37.9



#4  
Vinyl Chloride  
Concen: 41.208 ug/l  
RT: 1.39 min Scan# 83  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

Tgt Ion: 62 Resp: 445133  
Ion Ratio Lower Upper  
62 100  
64 32.5 26.0 39.0





#5

Bromomethane

Concen: 58.485 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

Instrument :

MSVOA\_X

ClientSampleId :

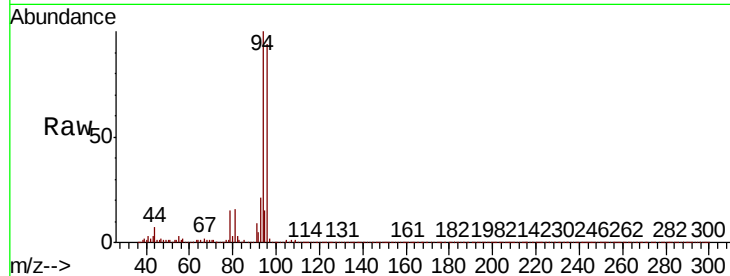
VSTDICCC050

Tot Ion: 94 Resp: 244080

Ion Ratio Lower Upper

94 100

96 93.5 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

250000

200000

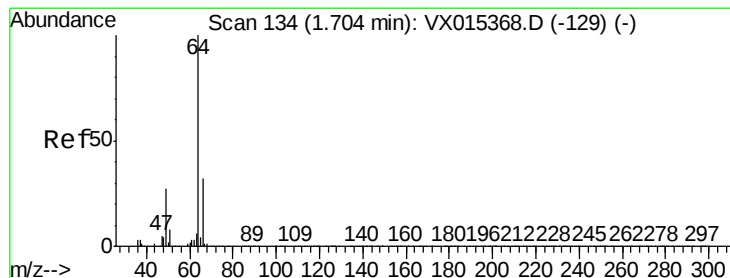
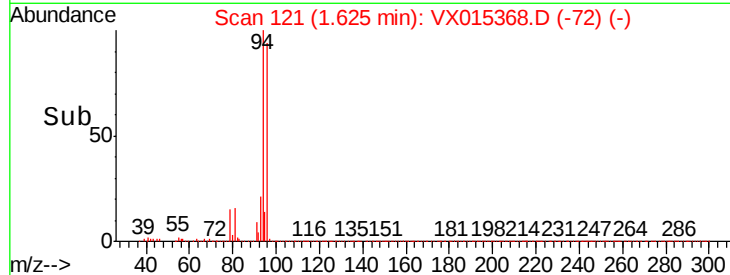
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 43.171 ug/l

RT: 1.70 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX015368.D

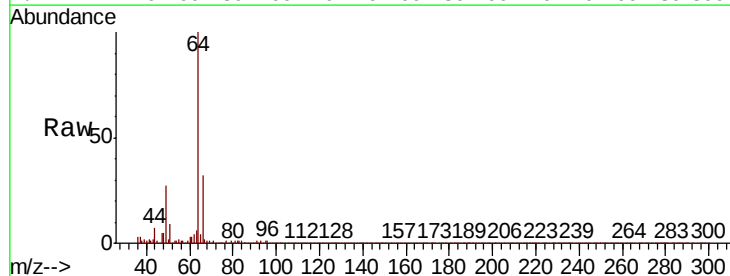
Acq: 26 Mar 2020 20:39

Tgt Ion: 64 Resp: 291541

Ion Ratio Lower Upper

64 100

66 31.8 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

250000

200000

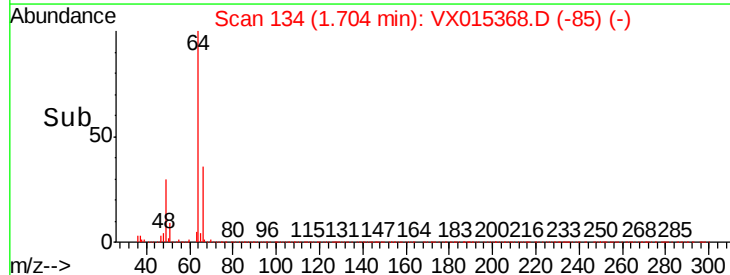
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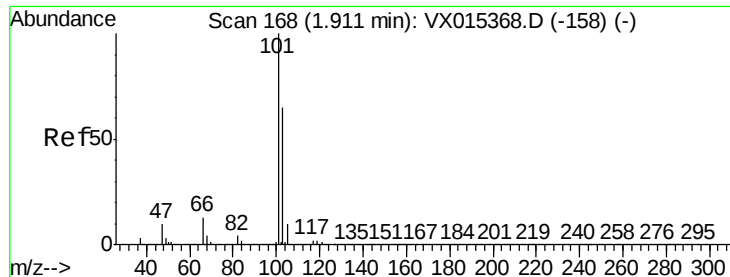
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50000

0

Time-->



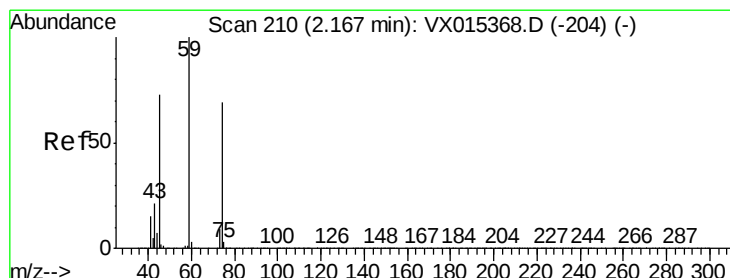
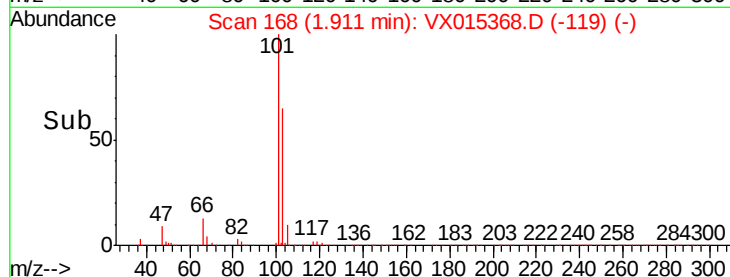
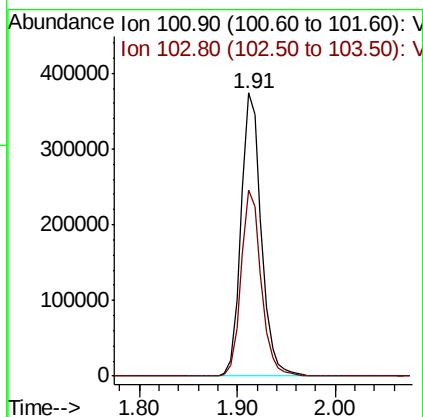
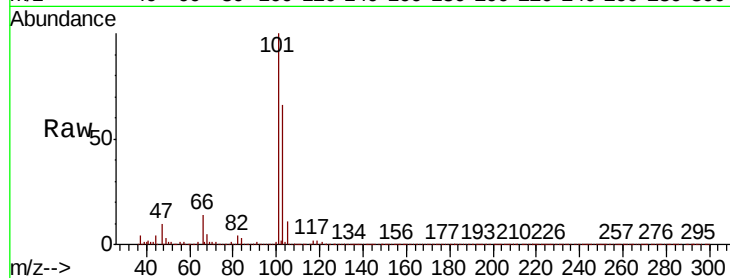


#7

Trichlorofluoromethane  
Concen: 37.338 ug/l  
RT: 1.91 min Scan# 168  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

Instrument :  
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ClientSampleId :  
VSTDICCC050

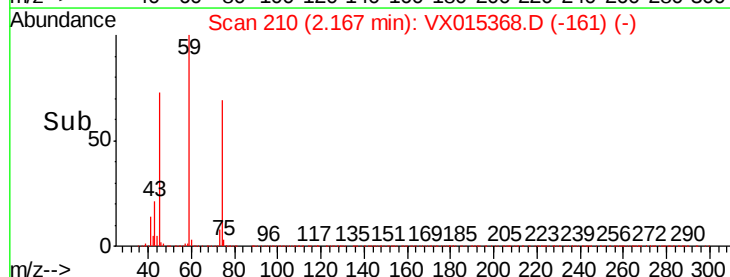
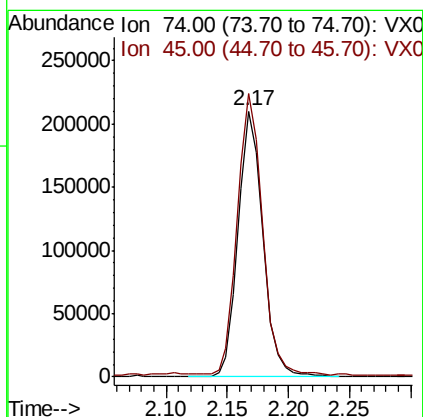
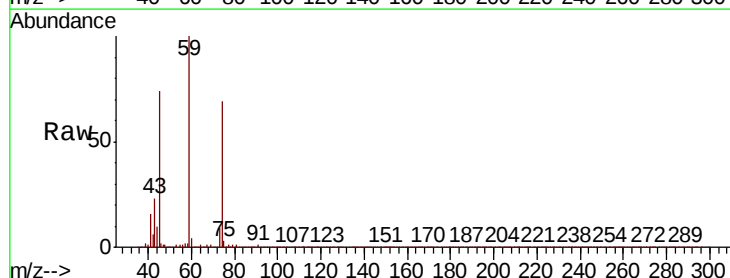
Tot Ion:101 Resp: 535080  
Ion Ratio Lower Upper  
101 100  
103 65.4 52.3 78.5

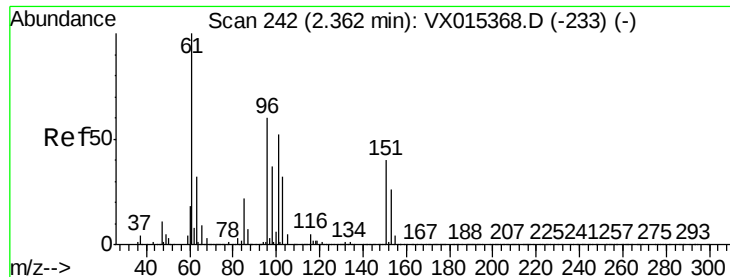


#8

Diethyl Ether  
Concen: 47.296 ug/l  
RT: 2.17 min Scan# 210  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

Tgt Ion: 74 Resp: 291777  
Ion Ratio Lower Upper  
74 100  
45 107.4 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 30.813 ug/l

RT: 2.36 min Scan# 242

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

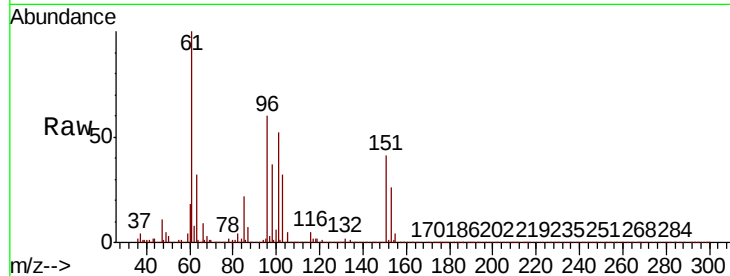
Tot Ion:101 Resp: 331442

Ion Ratio Lower Upper

101 100

85 43.7 35.0 52.4

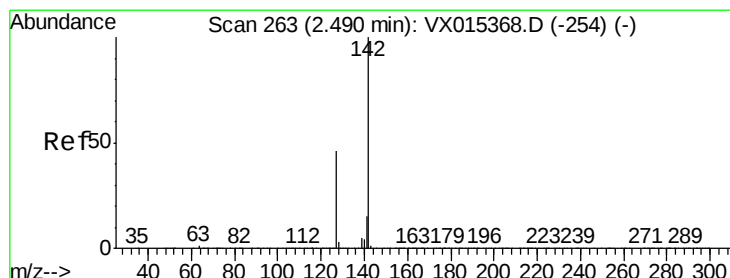
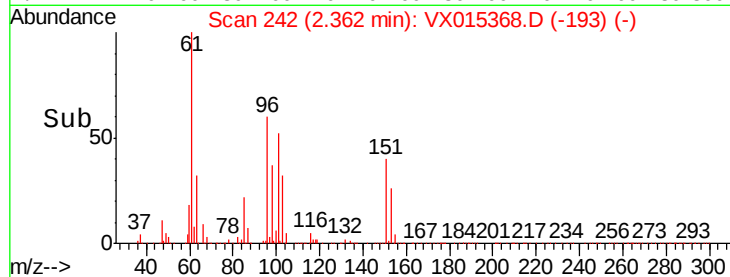
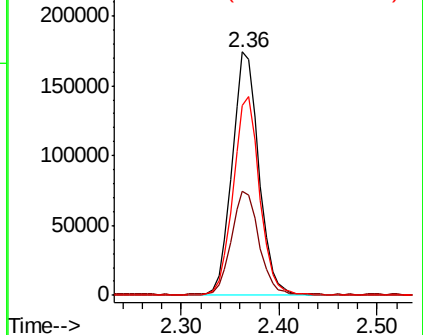
151 80.1 64.1 96.1



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: 54.826 ug/l

RT: 2.49 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

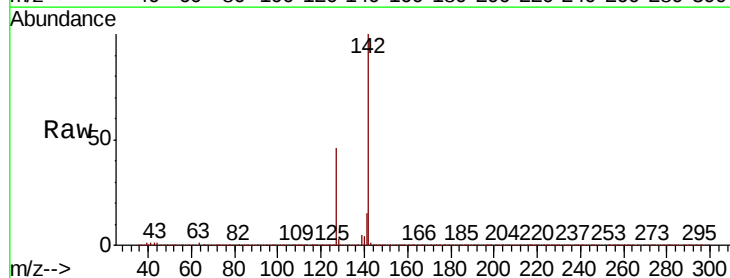
Tgt Ion:142 Resp: 659794

Ion Ratio Lower Upper

142 100

127 44.9 35.9 53.9

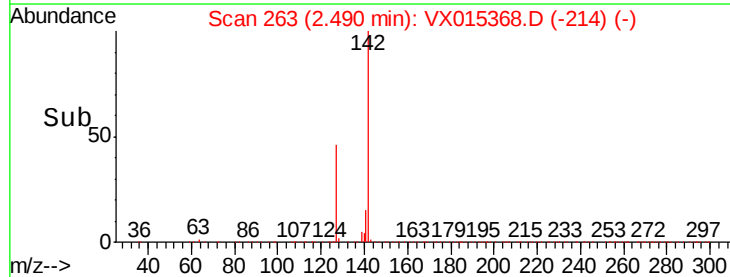
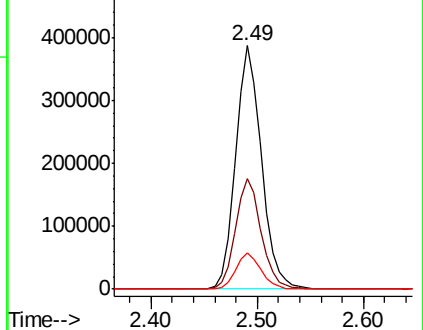
141 14.5 11.6 17.4

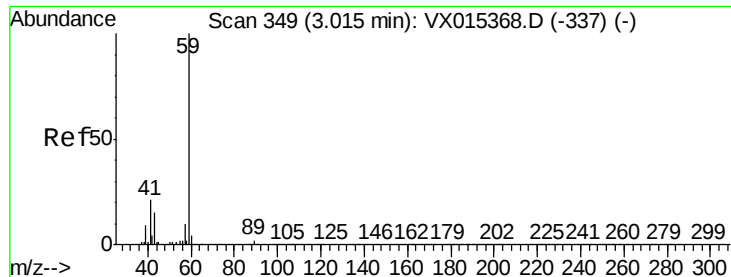


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

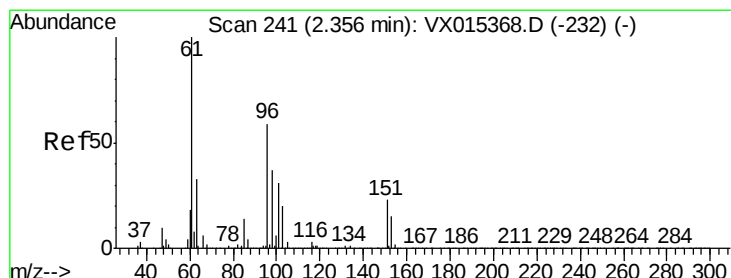
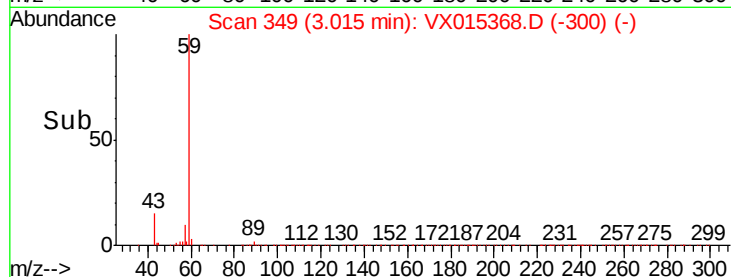
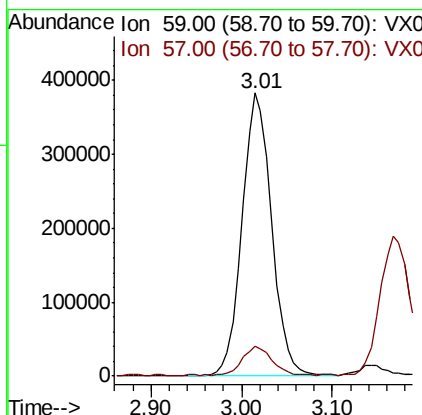
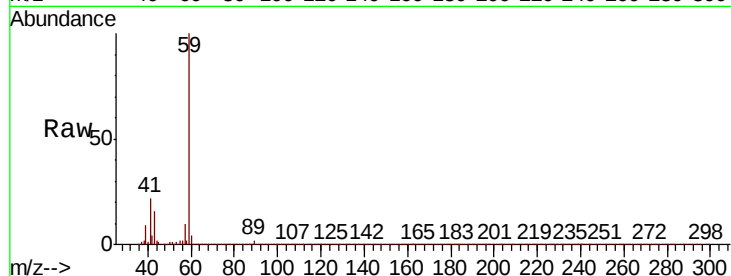




#11  
Tert butyl alcohol  
Concen: 352.664 ug/l  
RT: 3.01 min Scan# 349  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

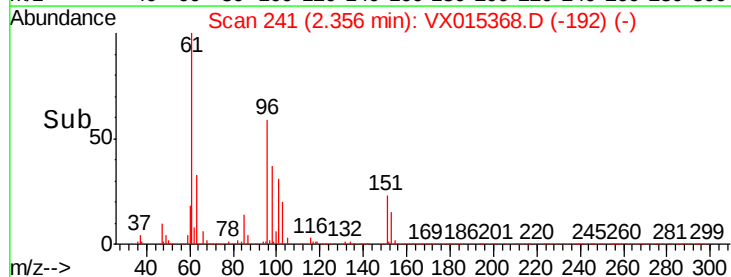
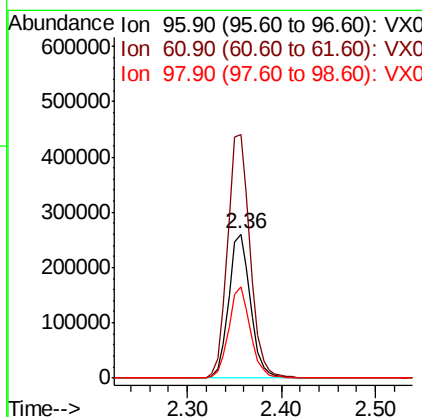
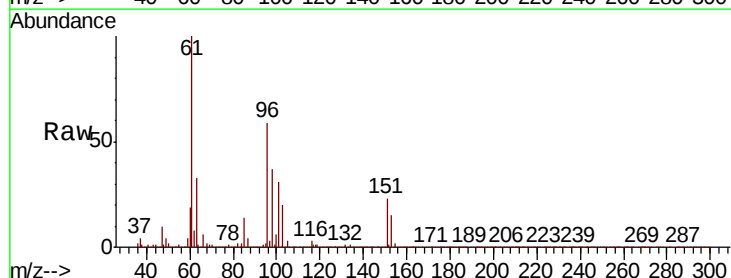
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

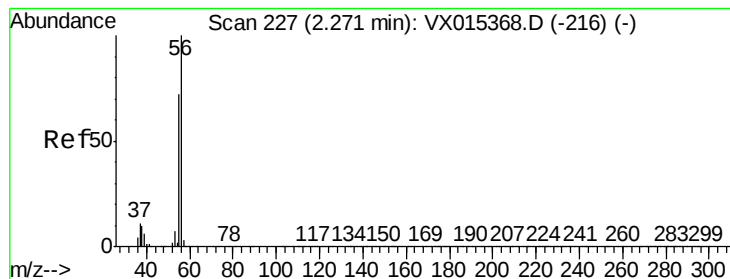
Tot Ion: 59 Resp: 862426  
Ion Ratio Lower Upper  
59 100  
57 10.1 8.1 12.1



#12  
1,1-Dichloroethene  
Concen: 36.610 ug/l  
RT: 2.36 min Scan# 241  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

Tgt Ion: 96 Resp: 413190  
Ion Ratio Lower Upper  
96 100  
61 169.6 135.7 203.5  
98 63.2 50.6 75.8





#13

Acrolein

Concen: 224.269 ug/l

RT: 2.27 min Scan# 227

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

Instrument :

MSVOA\_X

ClientSampleId :

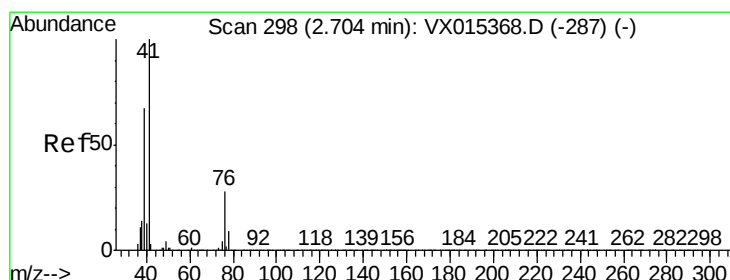
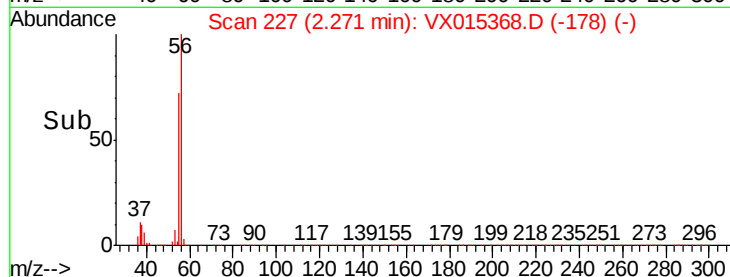
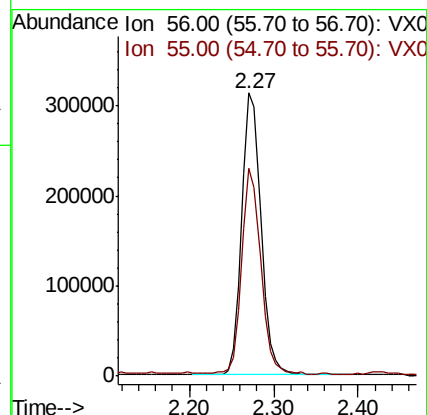
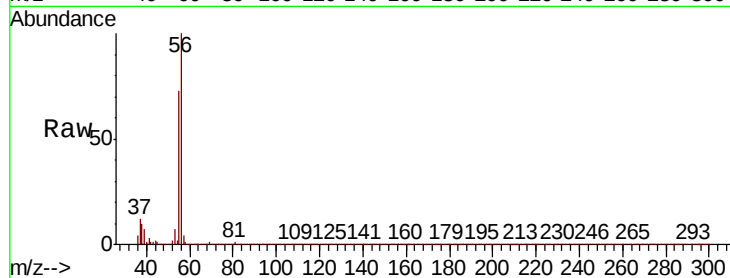
VSTDICCC050

Tot Ion: 56 Resp: 483230

Ion Ratio Lower Upper

56 100

55 71.2 57.0 85.4



#14

Allyl chloride

Concen: 60.562 ug/l

RT: 2.70 min Scan# 298

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

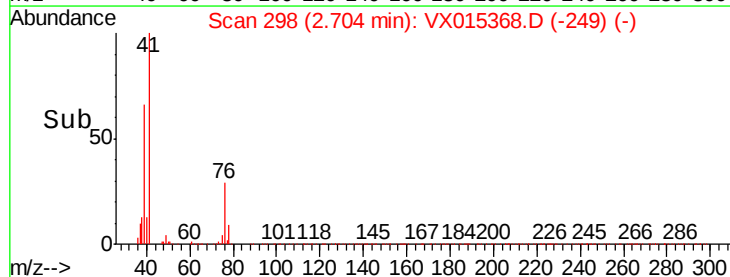
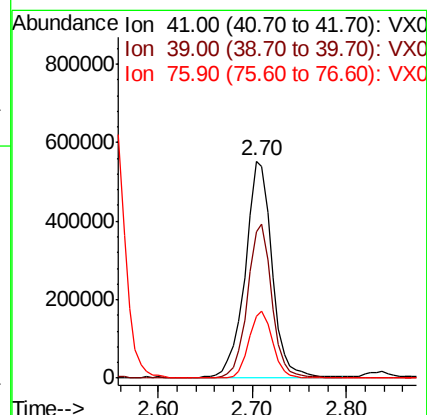
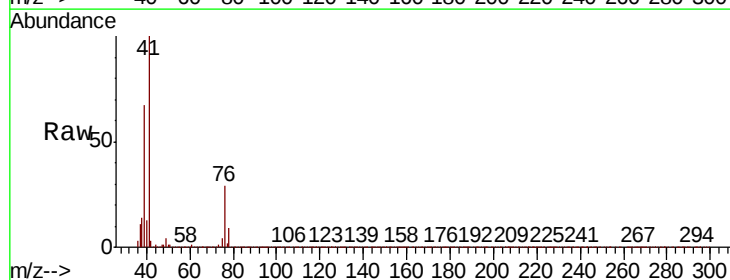
Tgt Ion: 41 Resp: 1094536

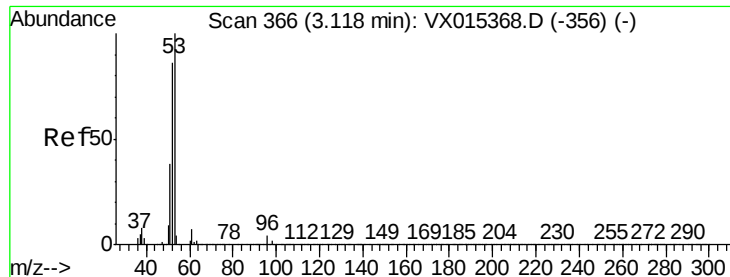
Ion Ratio Lower Upper

41 100

39 64.2 51.4 77.0

76 27.3 21.8 32.8



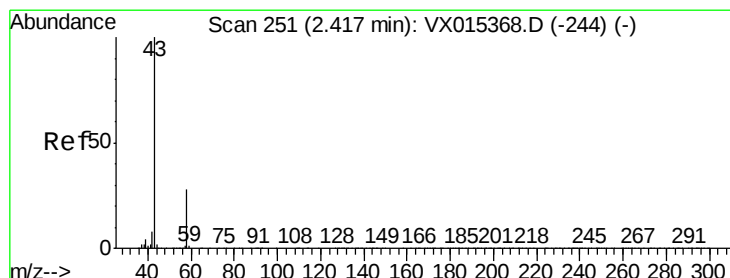
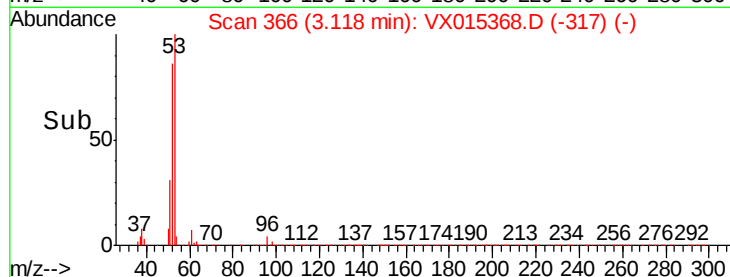
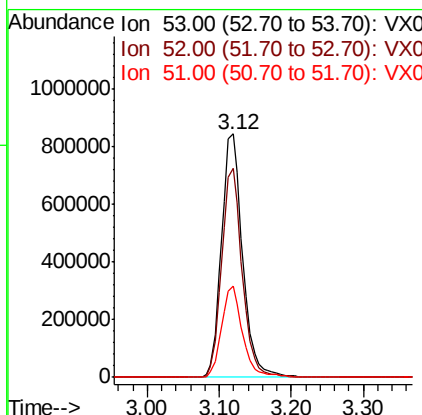
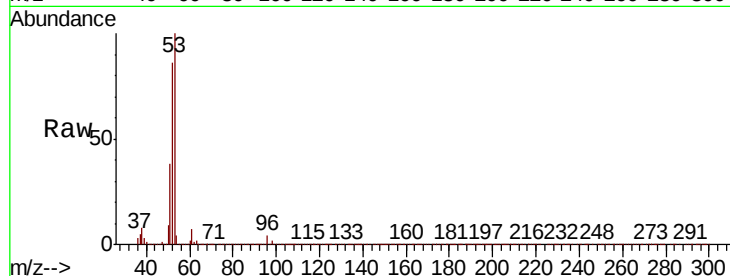


#15  
 Acrylonitrile  
 Concen: 290.000 ug/l  
 RT: 3.12 min Scan# 366  
 Delta R.T. 0.00 min  
 Lab File: VX015368.D  
 Acq: 26 Mar 2020 20:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Tot Ion: 53 Resp: 1725859  

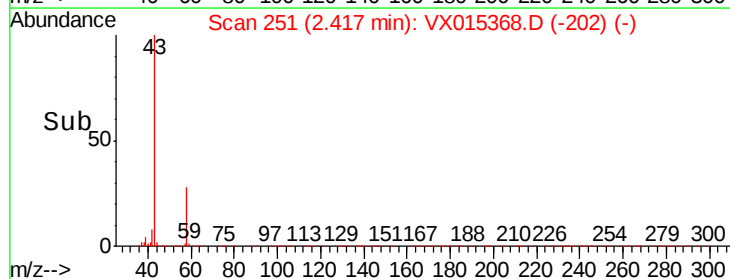
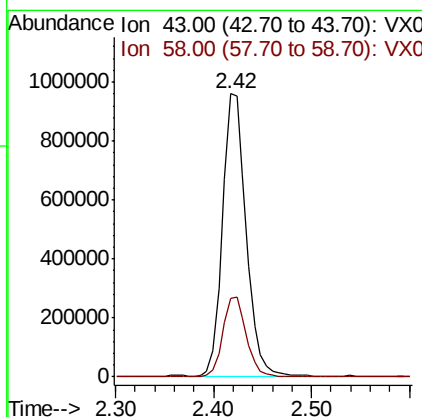
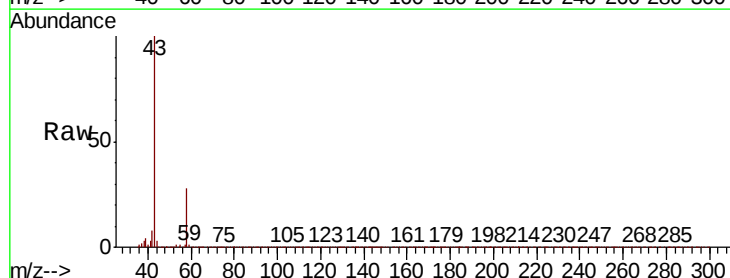
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 83.5  | 66.8  | 100.2 |
| 51  | 36.9  | 29.5  | 44.3  |

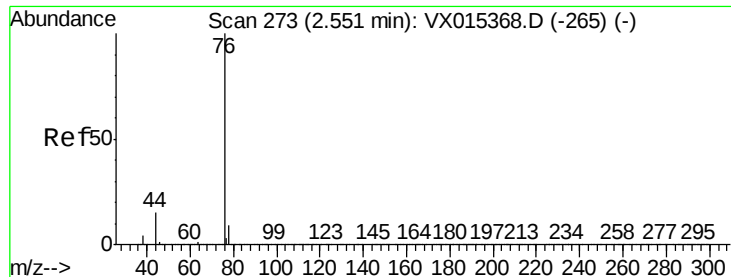


#16  
 Acetone  
 Concen: 313.106 ug/l  
 RT: 2.42 min Scan# 251  
 Delta R.T. 0.00 min  
 Lab File: VX015368.D  
 Acq: 26 Mar 2020 20:39

Tgt Ion: 43 Resp: 1588602  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 27.6  | 22.1  | 33.1  |





#17

Carbon Disulfide

Concen: 41.748 ug/l

RT: 2.55 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

Instrument :

MSVOA\_X

ClientSampleId :

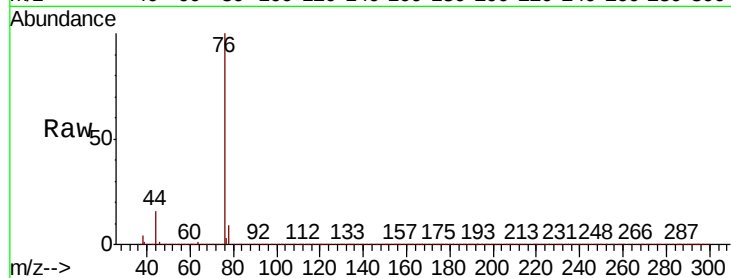
VSTDICCC050

Tot Ion: 76 Resp: 1274057

Ion Ratio Lower Upper

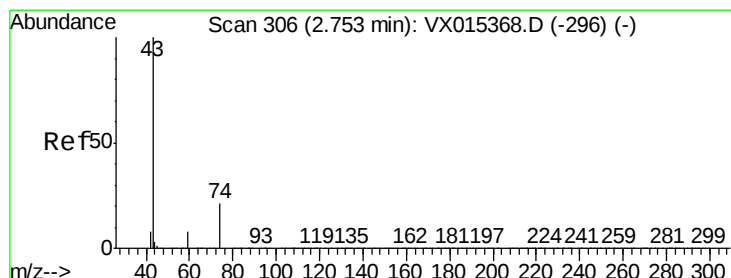
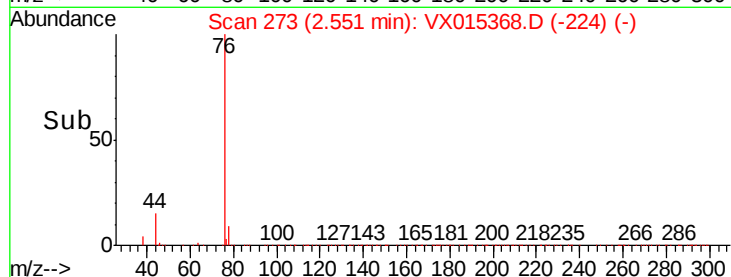
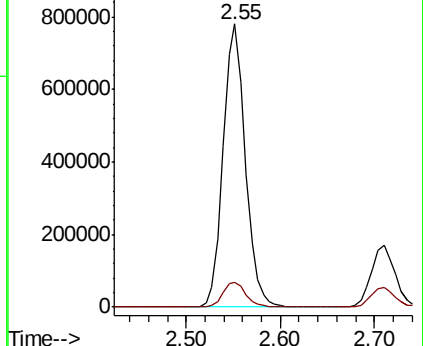
76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 64.448 ug/l

RT: 2.75 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX015368.D

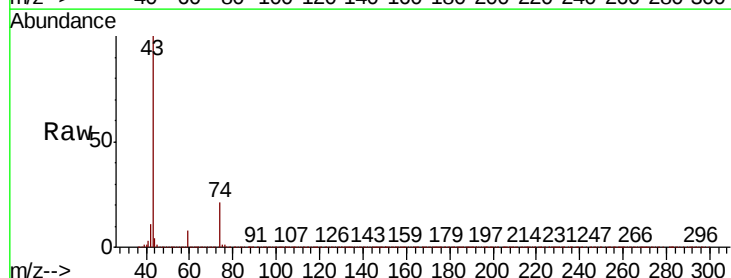
Acq: 26 Mar 2020 20:39

Tgt Ion: 43 Resp: 823143

Ion Ratio Lower Upper

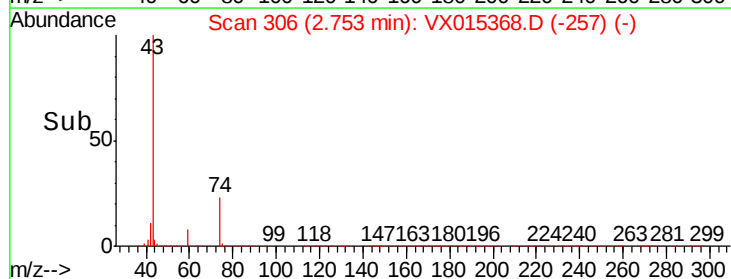
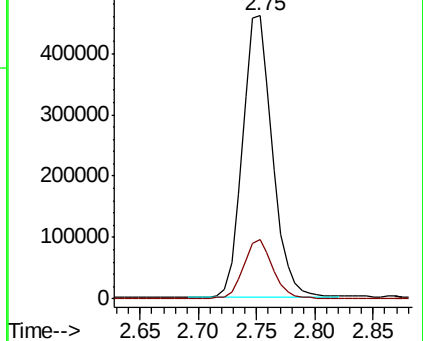
43 100

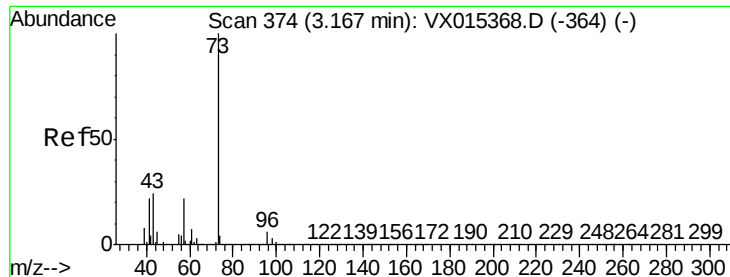
74 20.6 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



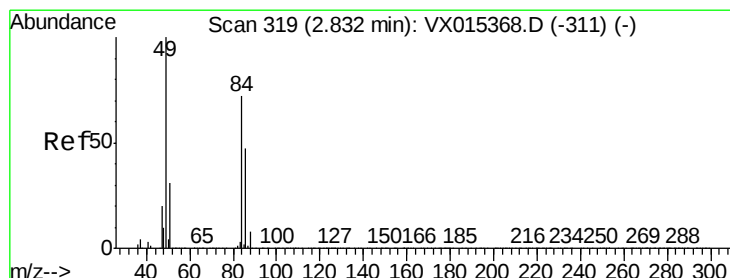
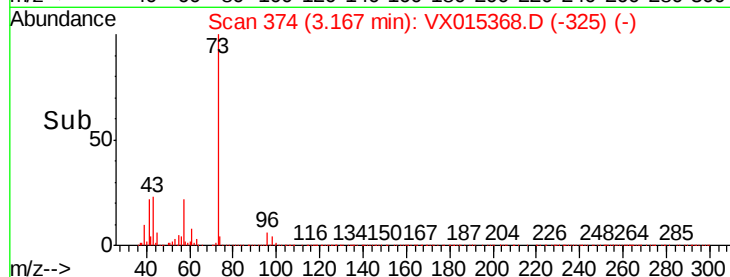
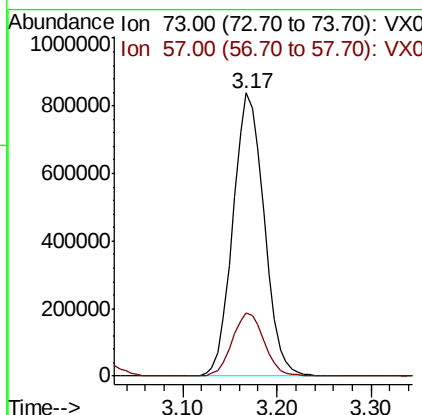
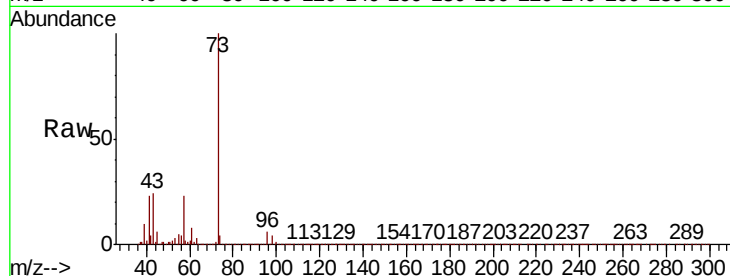


#19

Methyl tert-butyl Ether  
 Concen: 56.389 ug/l  
 RT: 3.17 min Scan# 374  
 Delta R.T. 0.00 min  
 Lab File: VX015368.D  
 Acq: 26 Mar 2020 20:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

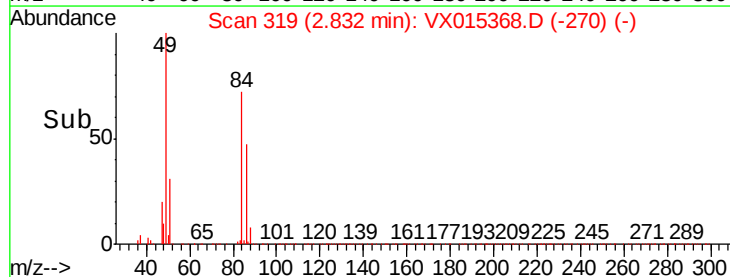
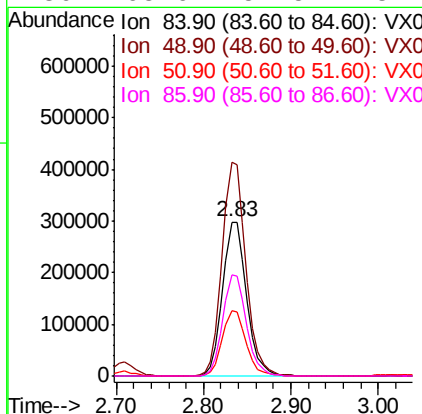
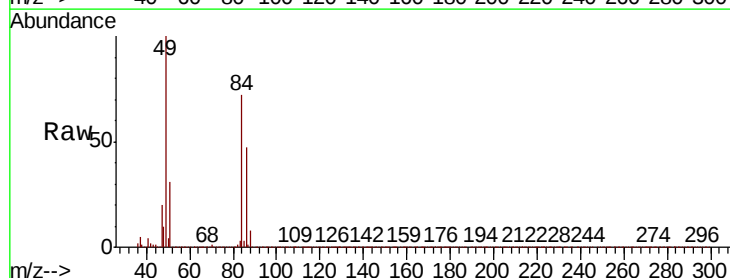
Tot Ion: 73 Resp: 1932195  
 Ion Ratio Lower Upper  
 73 100  
 57 22.4 17.9 26.9

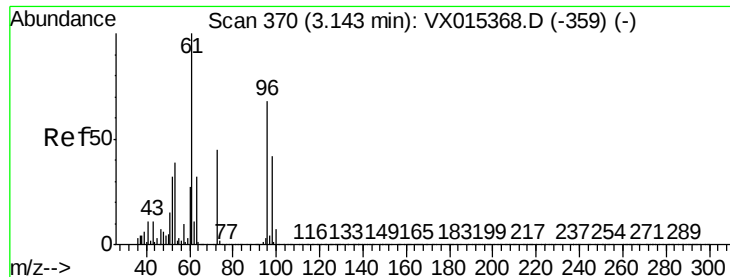


#20

Methylene Chloride  
 Concen: 42.133 ug/l  
 RT: 2.83 min Scan# 319  
 Delta R.T. 0.00 min  
 Lab File: VX015368.D  
 Acq: 26 Mar 2020 20:39

Tgt Ion: 84 Resp: 563270  
 Ion Ratio Lower Upper  
 84 100  
 49 139.1 111.3 166.9  
 51 42.5 34.0 51.0  
 86 65.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 40.355 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

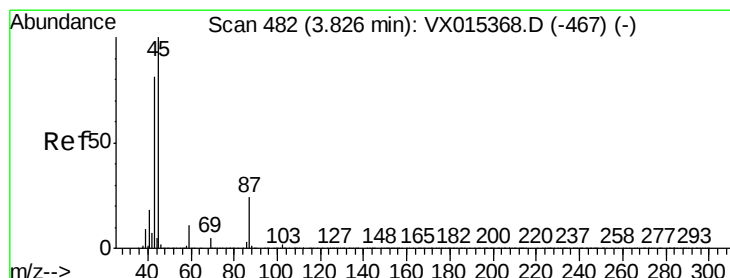
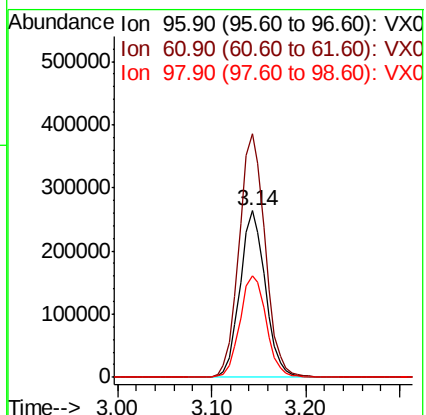
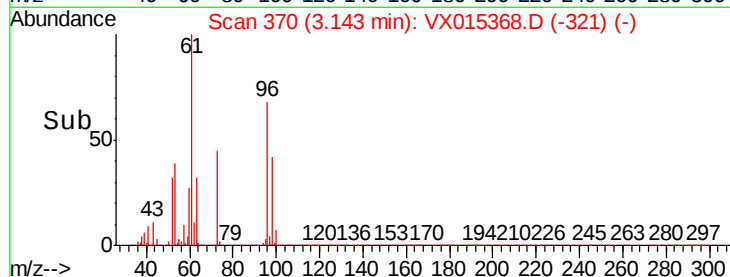
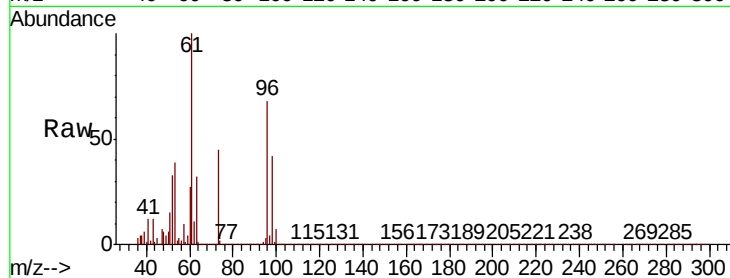
Tot Ion: 96 Resp: 495688

Ion Ratio Lower Upper

96 100

61 146.1 116.9 175.3

98 60.8 48.6 73.0



#22

Diisopropyl ether

Concen: 57.362 ug/l

RT: 3.83 min Scan# 482

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

Tgt Ion: 45 Resp: 2040972

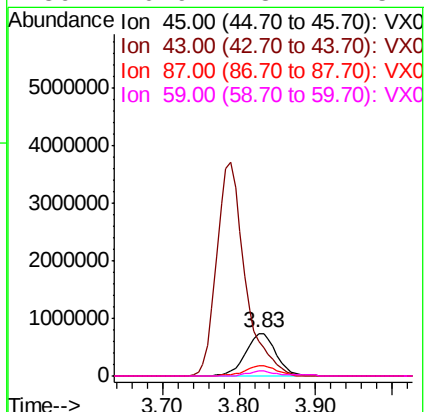
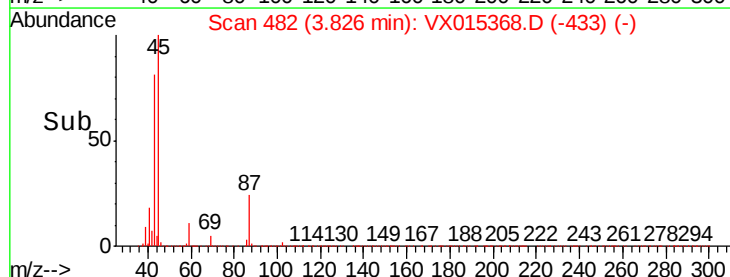
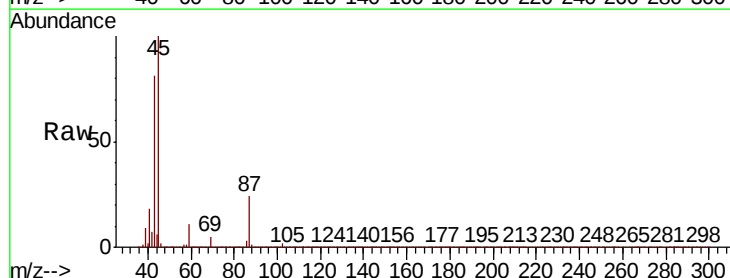
Ion Ratio Lower Upper

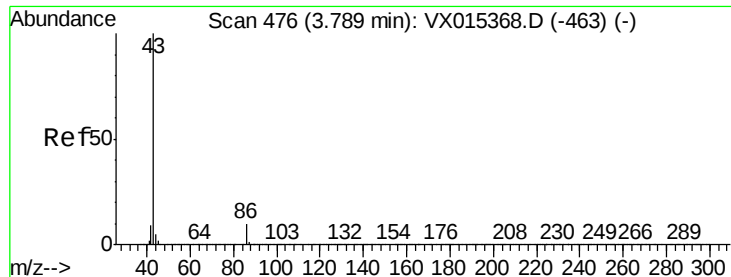
45 100

43 80.9 64.7 97.1

87 24.2 19.4 29.0

59 10.9 8.7 13.1





#23

Vinyl Acetate

Concen: 327.411 ug/l

RT: 3.79 min Scan# 476

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

Instrument :

MSVOA\_X

ClientSampleId :

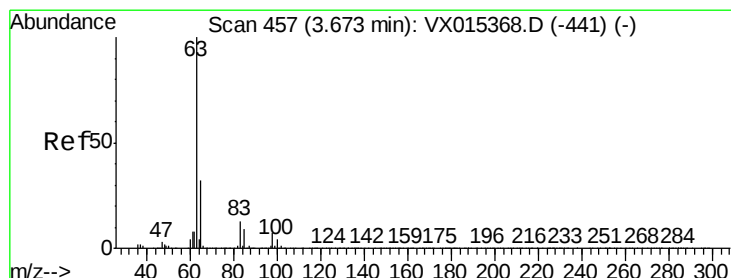
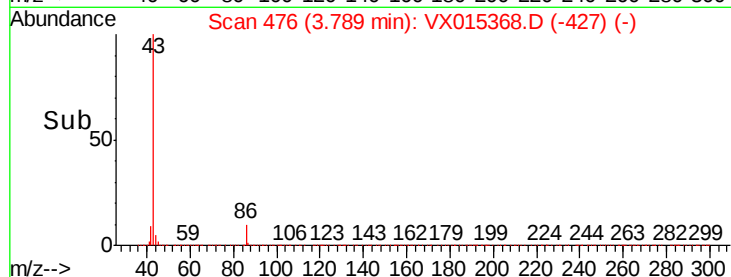
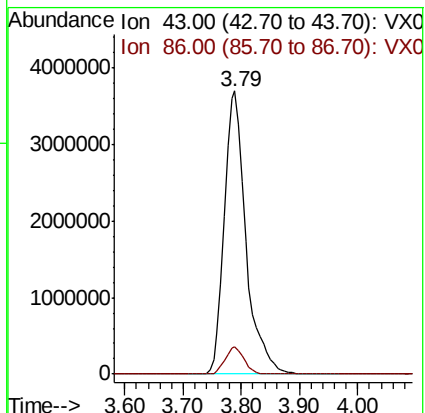
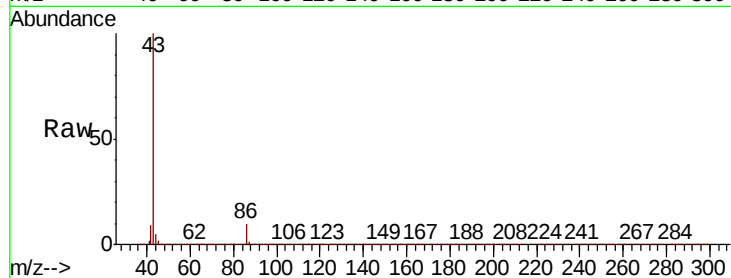
VSTDICCC050

Tot Ion: 43 Resp: 9548716

Ion Ratio Lower Upper

43 100

86 9.7 7.8 11.6



#24

1,1-Dichloroethane

Concen: 47.272 ug/l

RT: 3.67 min Scan# 457

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

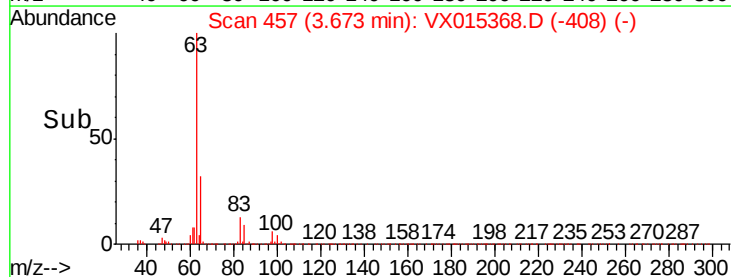
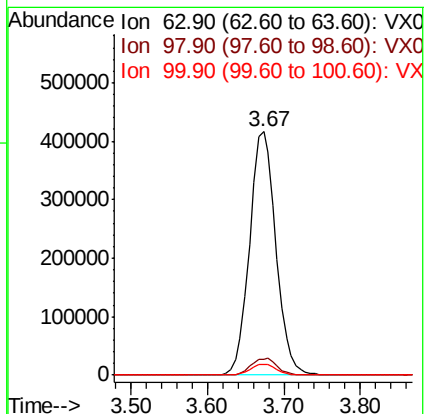
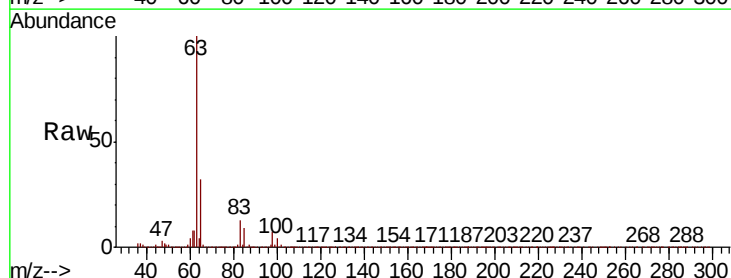
Tgt Ion: 63 Resp: 998571

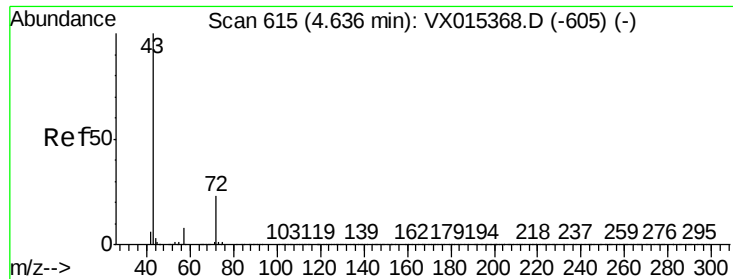
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.3 2.1 6.5

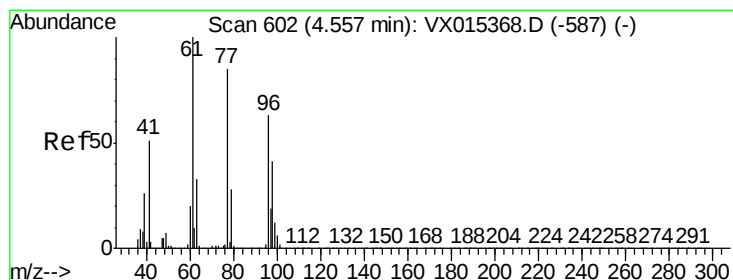
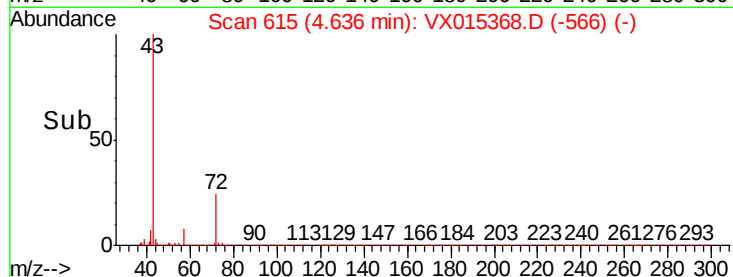
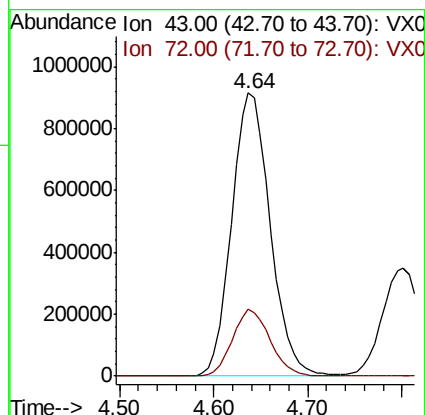
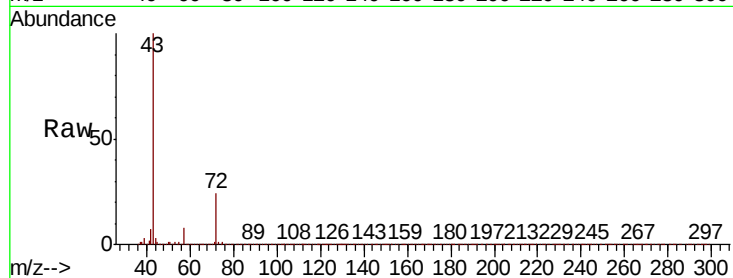




#25  
2-Butanone  
Concen: 334.474 ug/l  
RT: 4.64 min Scan# 615  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

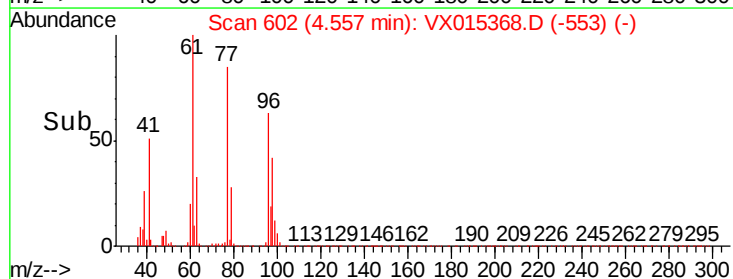
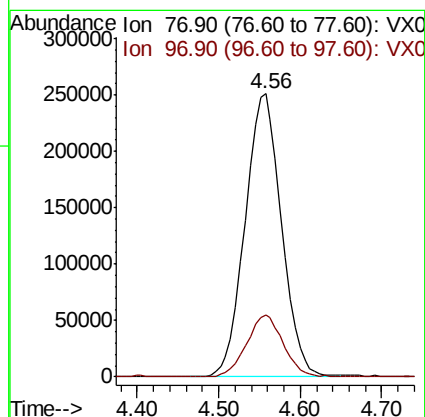
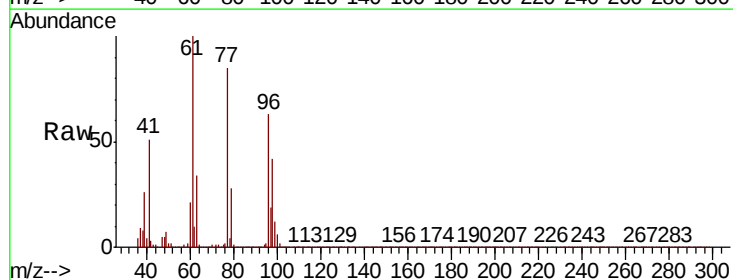
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

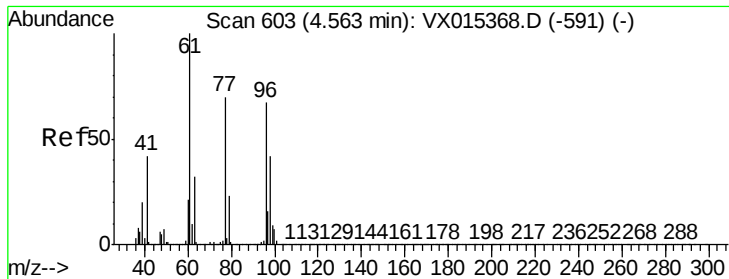
Tot Ion: 43 Resp: 2589426  
Ion Ratio Lower Upper  
43 100  
72 23.7 19.0 28.4



#26  
2,2-Dichloropropane  
Concen: 47.040 ug/l  
RT: 4.56 min Scan# 602  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

Tgt Ion: 77 Resp: 774180  
Ion Ratio Lower Upper  
77 100  
97 22.5 11.3 33.8



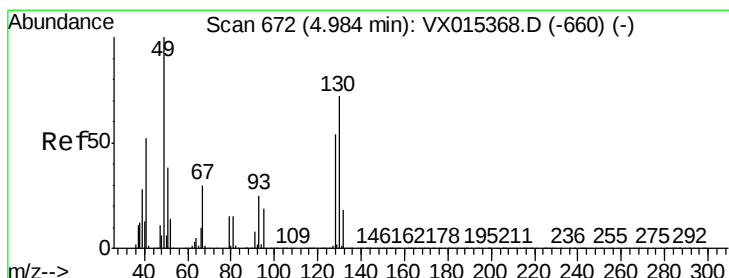
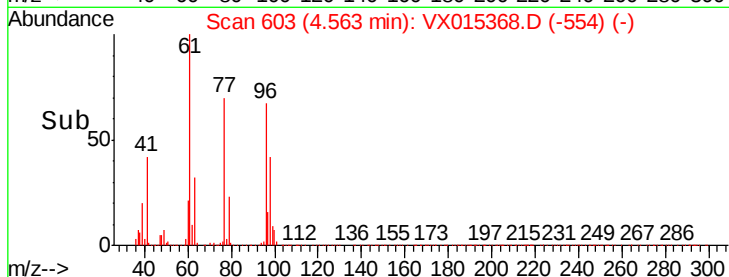
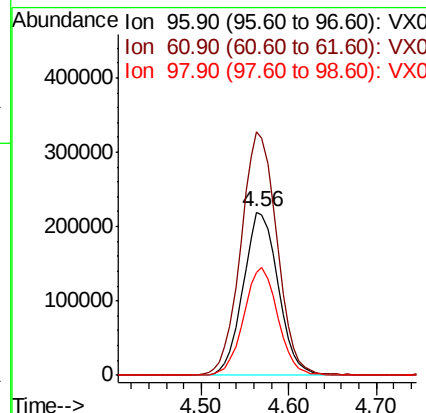
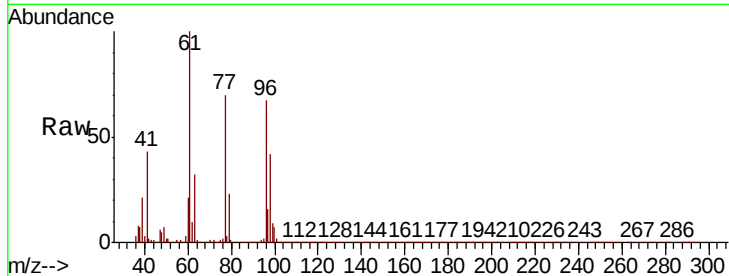


#27

cis-1,2-Dichloroethene  
Concen: 44.851 ug/l  
RT: 4.56 min Scan# 603  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

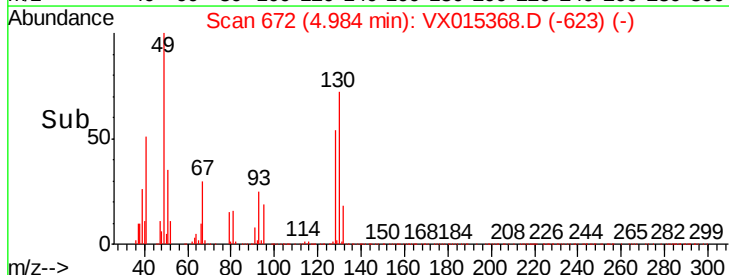
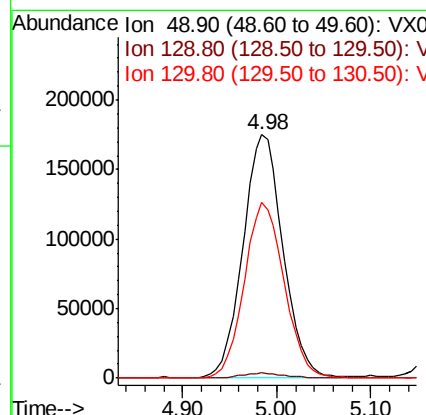
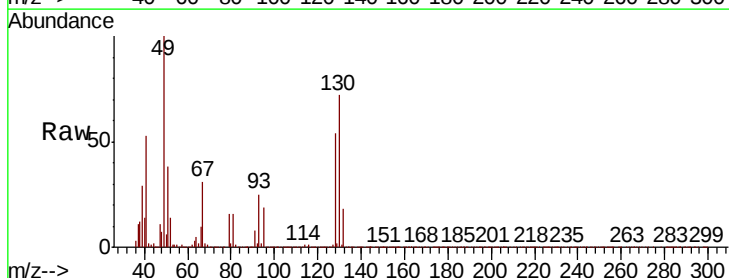
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 154.2 | 0.0   | 308.4 |
| 98      | 64.6  | 0.0   | 129.2 |

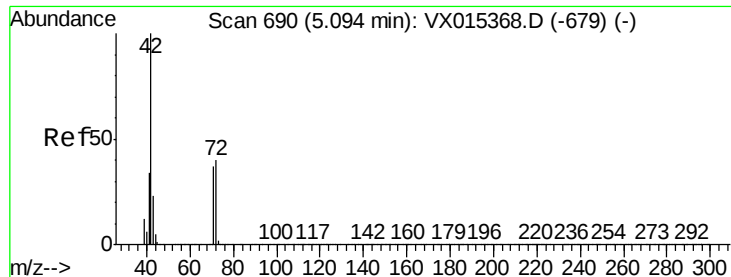


#28

Bromochloromethane  
Concen: 57.795 ug/l  
RT: 4.98 min Scan# 672  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.2   | 0.0   | 4.4   |
| 130     | 72.1  | 57.7  | 86.5  |

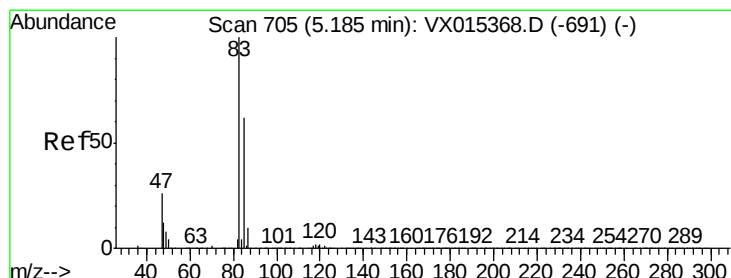
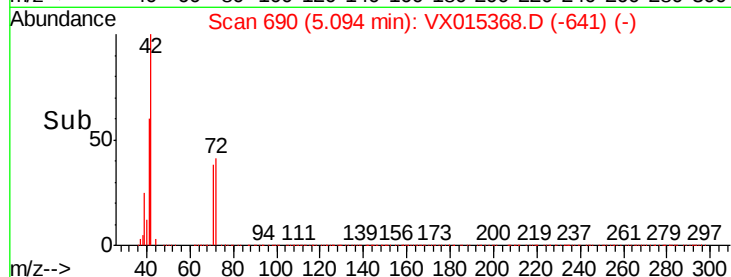
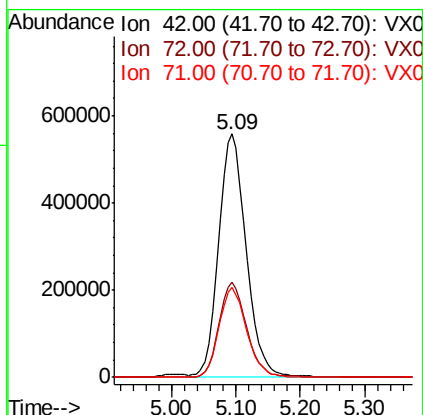
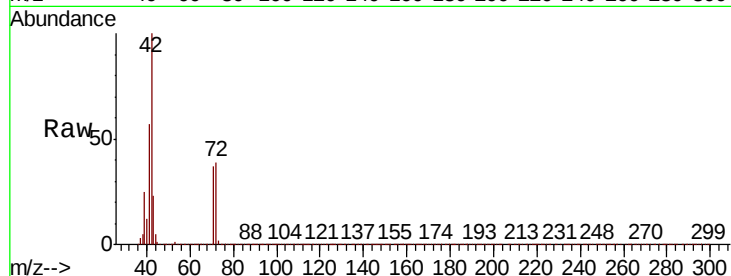




#29  
Tetrahydrofuran  
Concen: 332.583 ug/l  
RT: 5.09 min Scan# 690  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

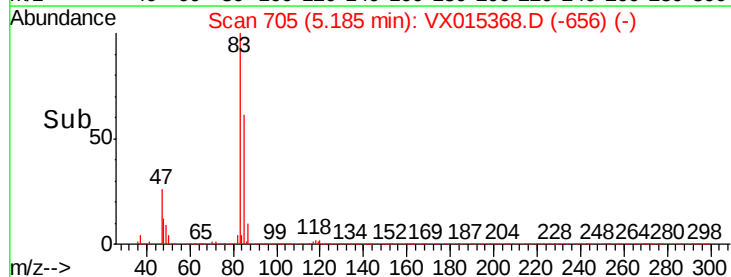
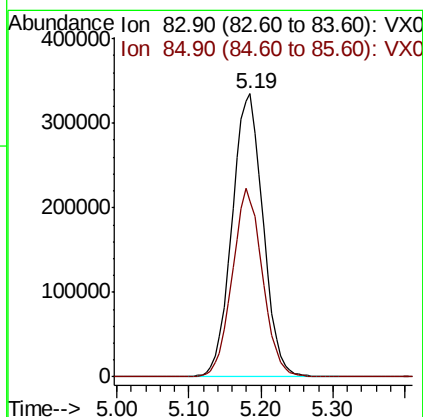
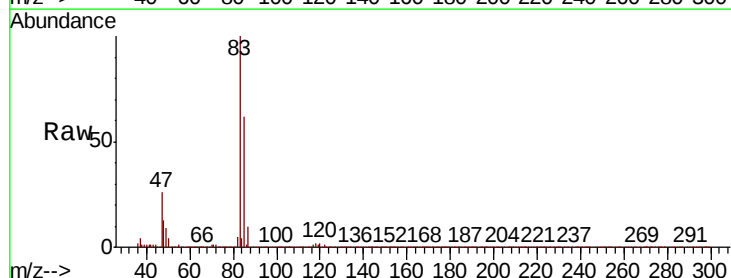
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

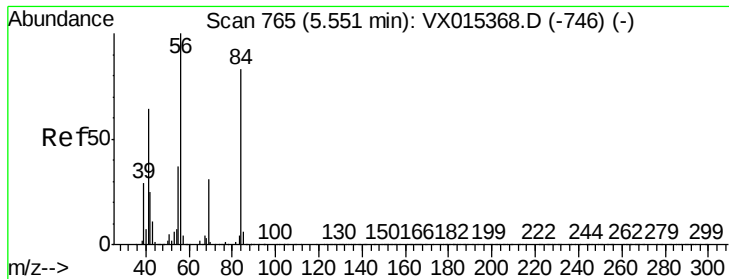
Tot Ion: 42 Resp: 1670049  
Ion Ratio Lower Upper  
42 100  
72 39.6 31.7 47.5  
71 37.0 29.6 44.4



#30  
Chloroform  
Concen: 46.739 ug/l  
RT: 5.19 min Scan# 705  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

Tgt Ion: 83 Resp: 995066  
Ion Ratio Lower Upper  
83 100  
85 61.9 49.5 74.3

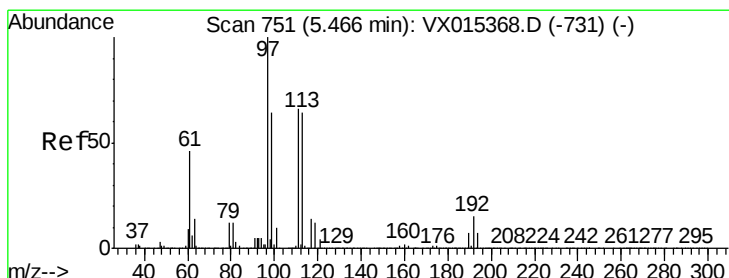
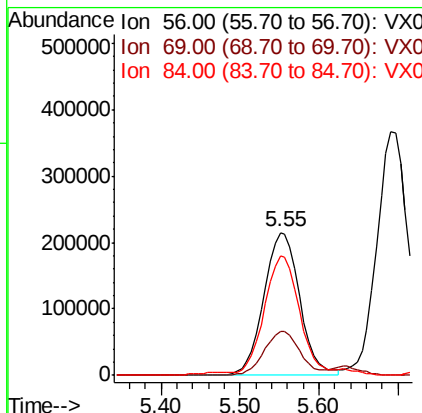
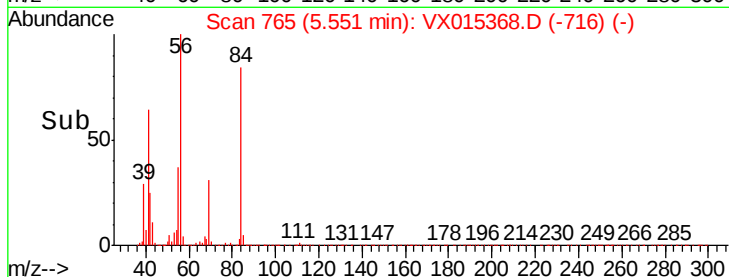
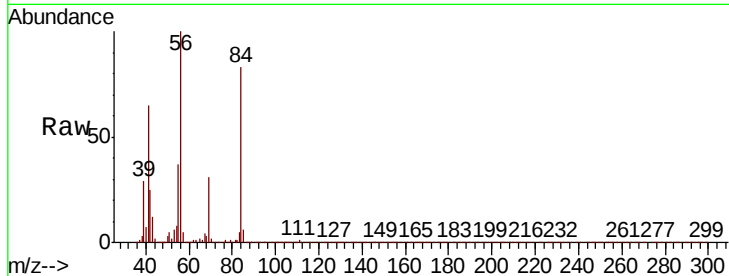




#31  
Cyclohexane  
Concen: 41.183 ug/l  
RT: 5.55 min Scan# 765  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

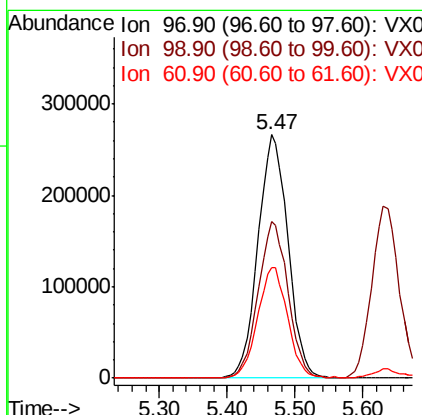
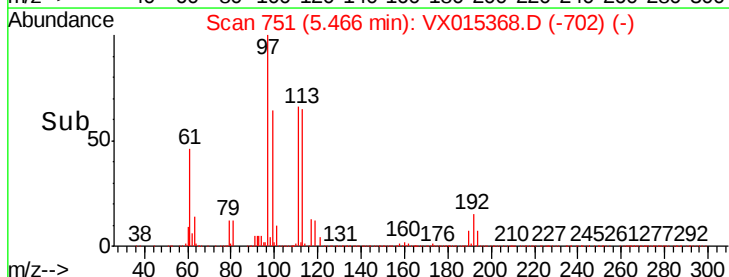
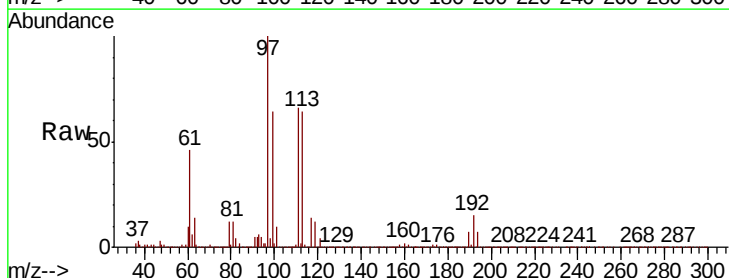
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

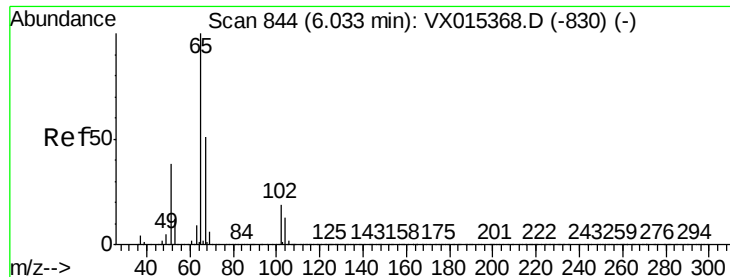
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 30.7  | 24.6  | 36.8  |
| 84      | 82.6  | 66.1  | 99.1  |



#32  
1,1,1-Trichloroethane  
Concen: 46.993 ug/l  
RT: 5.47 min Scan# 751  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.7  | 51.0  | 76.4  |
| 61      | 45.1  | 36.1  | 54.1  |





#33

1,2-Dichloroethane-d4

Concen: 59.397 ug/l

RT: 6.03 min Scan# 844

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

Instrument :

MSVOA\_X

ClientSampleId :

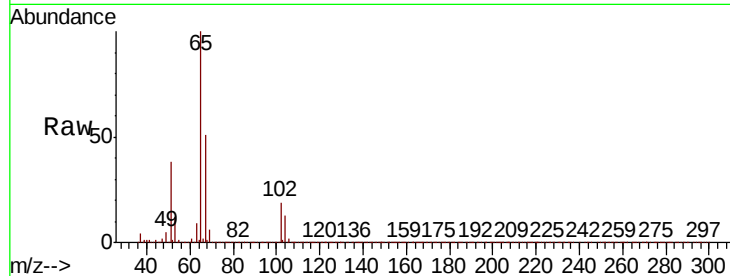
VSTDICCC050

Tot Ion: 65 Resp: 706377

Ion Ratio Lower Upper

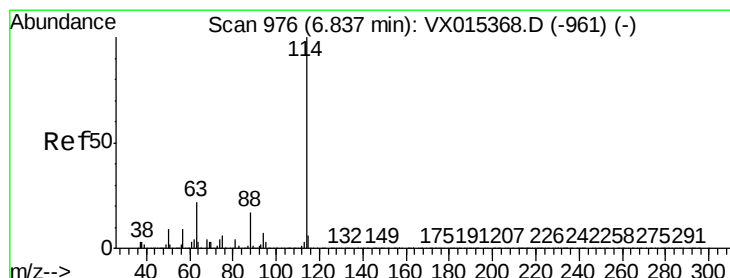
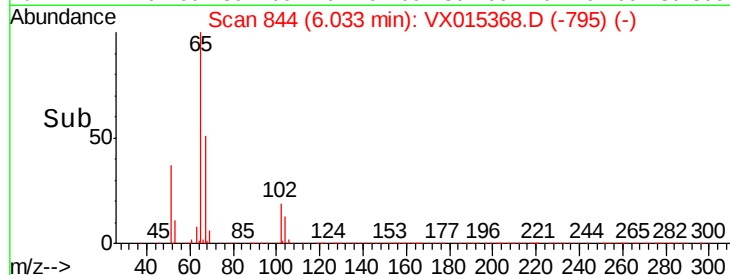
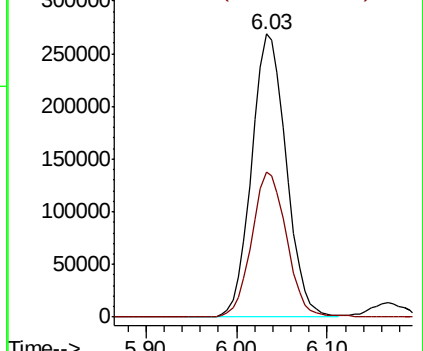
65 100

67 51.3 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

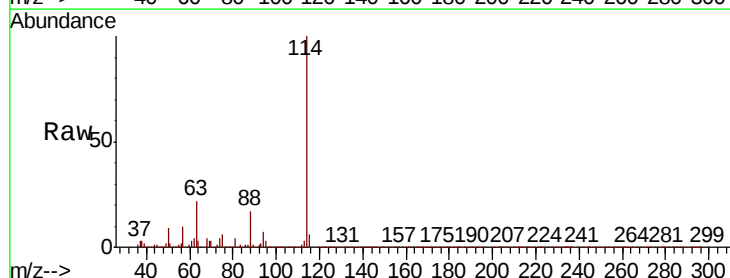
Tgt Ion: 114 Resp: 1603112

Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.2

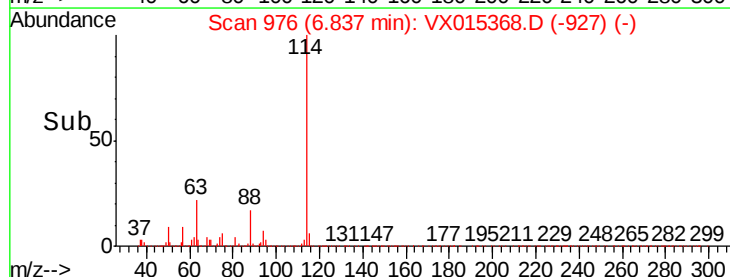
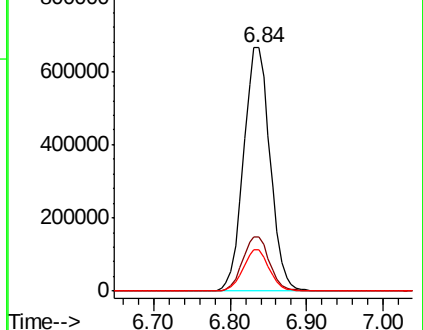
88 16.9 0.0 33.8

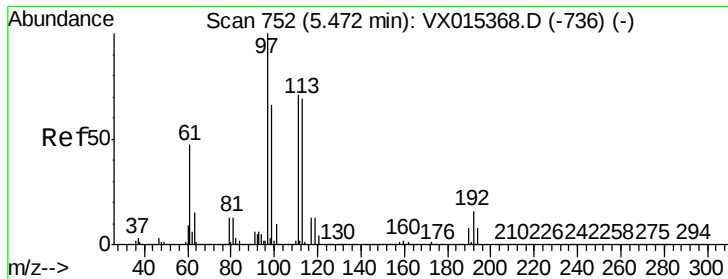


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

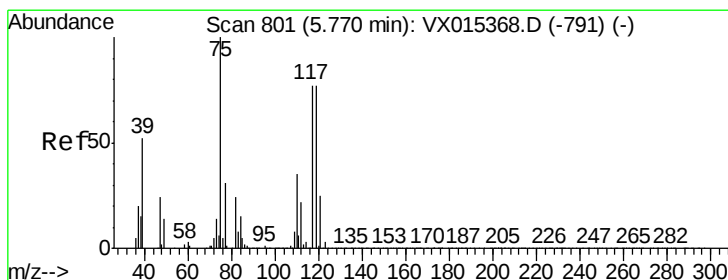
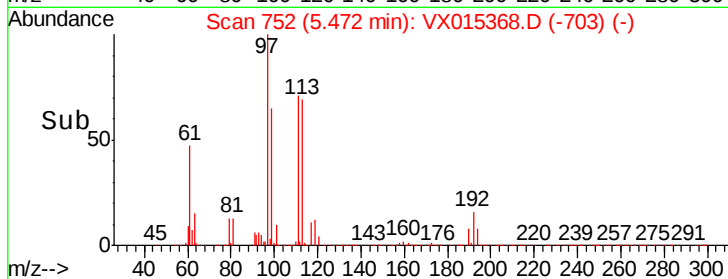
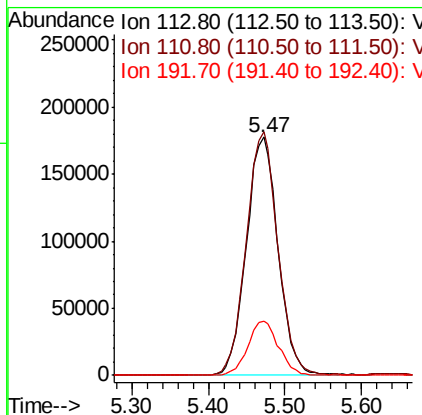
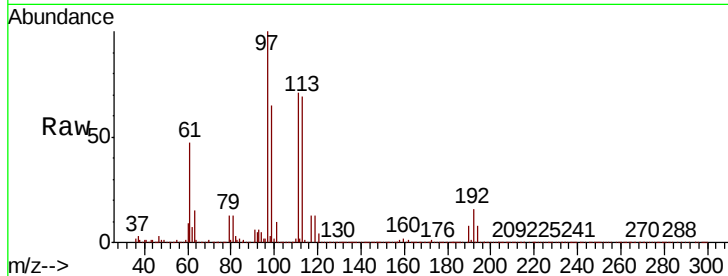




#35  
Dibromofluoromethane  
Concen: 48.806 ug/l  
RT: 5.47 min Scan# 752  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

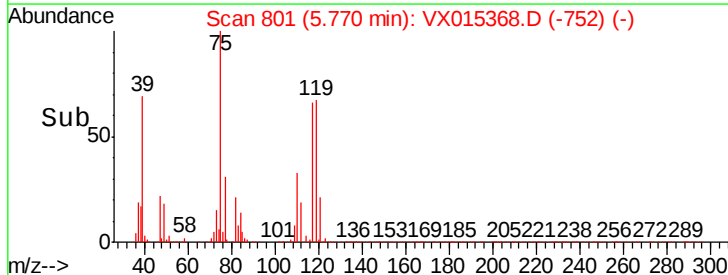
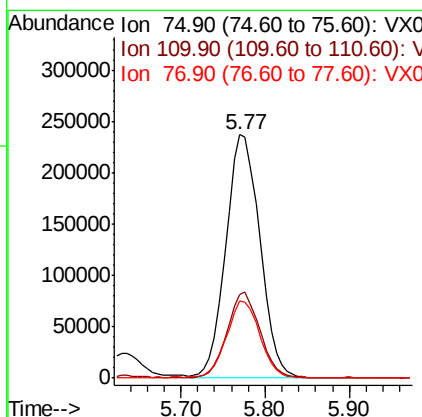
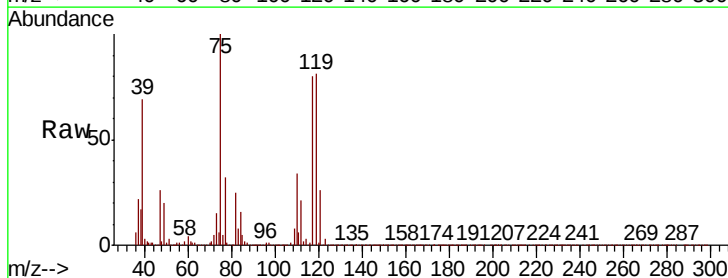
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

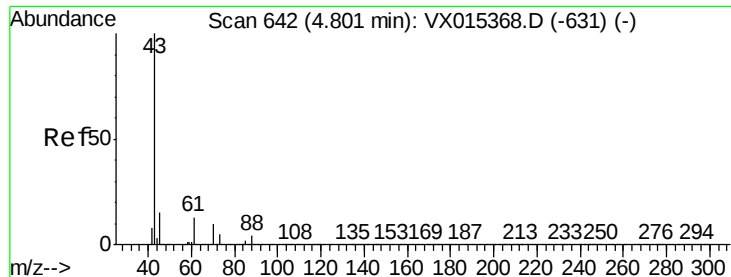
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.9 | 81.5  | 122.3 |
| 192     | 22.2  | 17.8  | 26.6  |



#36  
1,1-Dichloropropene  
Concen: 43.598 ug/l  
RT: 5.77 min Scan# 801  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 34.2  | 17.1  | 51.3  |
| 77      | 30.7  | 24.6  | 36.8  |



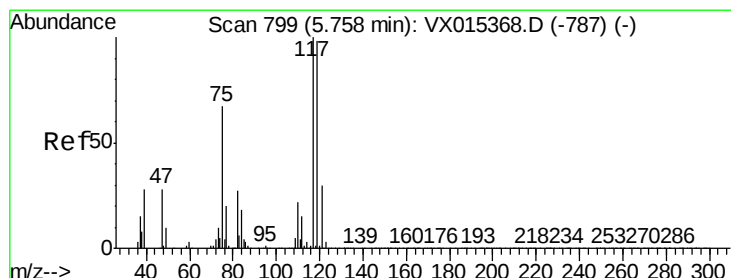
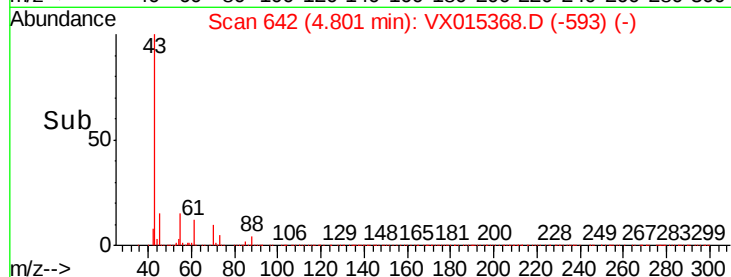
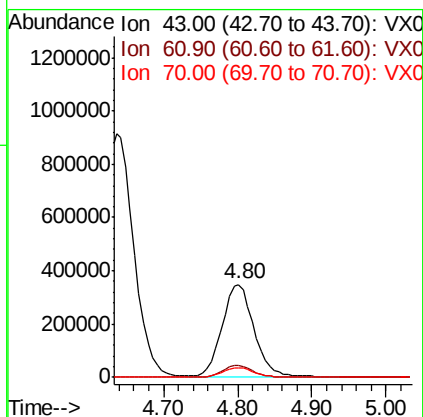
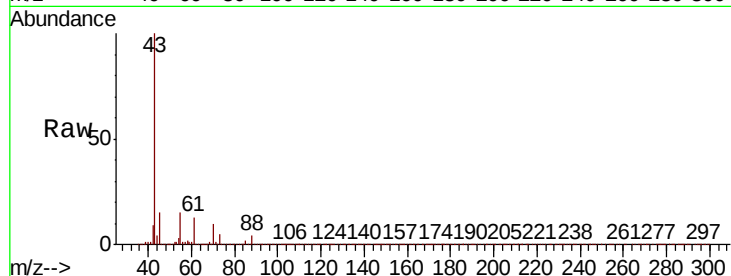


#37  
Ethyl Acetate  
Concen: 68.669 ug/l  
RT: 4.80 min Scan# 642  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tot Ion: 43 Resp: 1025480

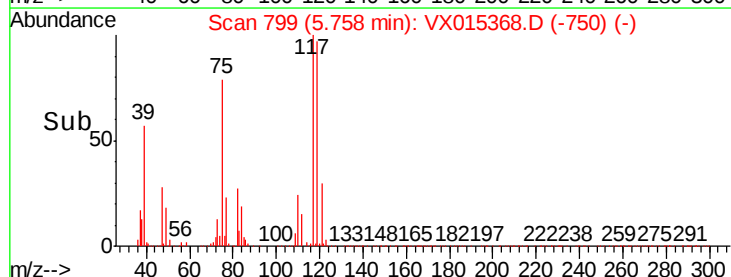
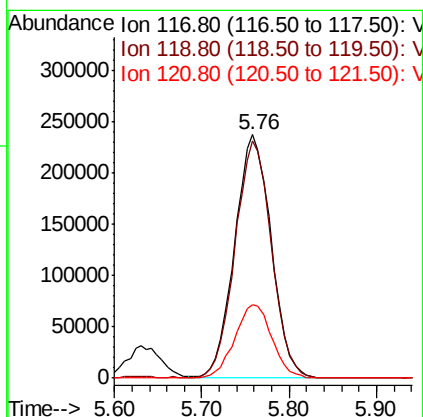
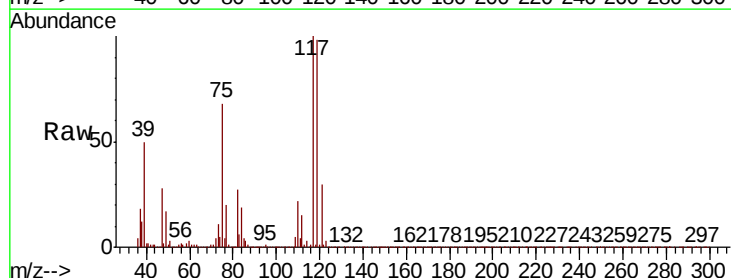
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 12.4  | 9.9   | 14.9  |
| 70  | 10.1  | 8.1   | 12.1  |

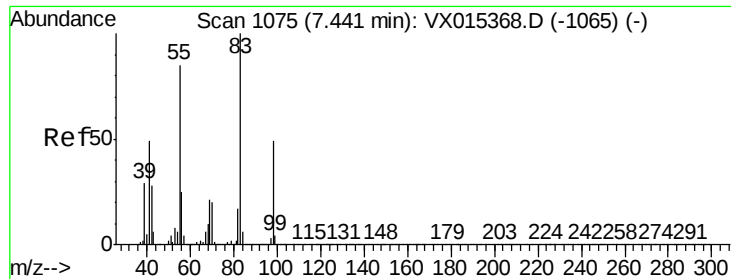


#38  
Carbon Tetrachloride  
Concen: 47.985 ug/l  
RT: 5.76 min Scan# 799  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

Tgt Ion: 117 Resp: 687478

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 97.5  | 78.0  | 117.0 |
| 121 | 29.8  | 23.8  | 35.8  |

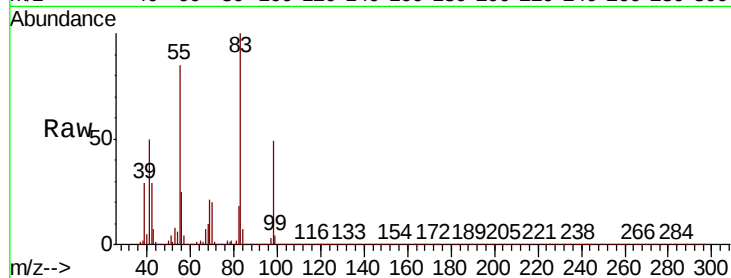




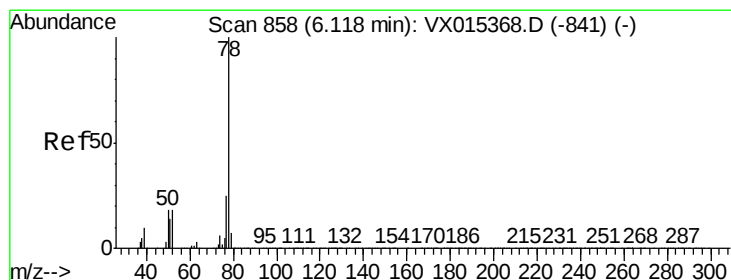
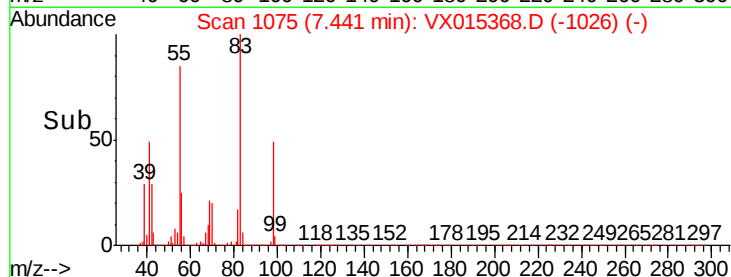
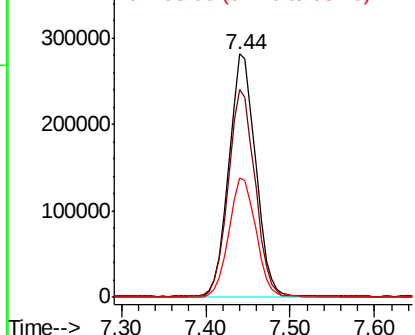
#39  
Methvlcvclohexane  
Concen: 35.111 ug/l  
RT: 7.44 min Scan# 1075  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tot Ion: 83 Resp: 607461  
Ion Ratio Lower Upper  
83 100  
55 84.7 67.8 101.6  
98 49.1 39.3 58.9

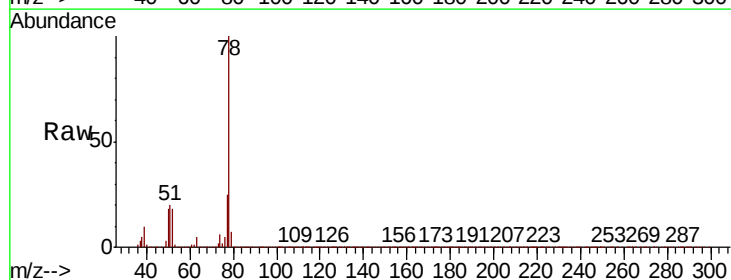


Abundance Ion 83.00 (82.70 to 83.70): VX0  
Ion 55.00 (54.70 to 55.70): VX0  
Ion 98.00 (97.70 to 98.70): VX0

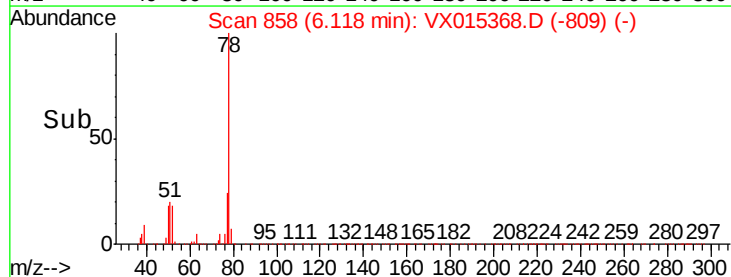
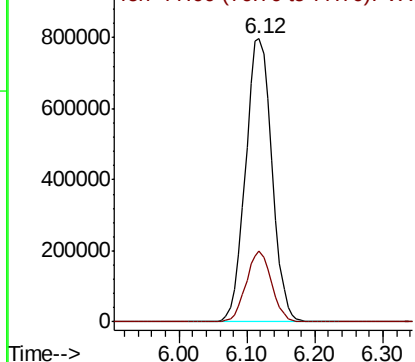


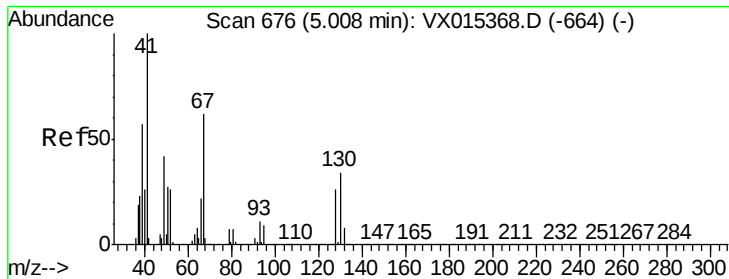
#40  
Benzene  
Concen: 47.156 ug/l  
RT: 6.12 min Scan# 858  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

Tgt Ion: 78 Resp: 2154098  
Ion Ratio Lower Upper  
78 100  
77 24.8 19.8 29.8



Abundance Ion 78.00 (77.70 to 78.70): VX0  
Ion 77.00 (76.70 to 77.70): VX0

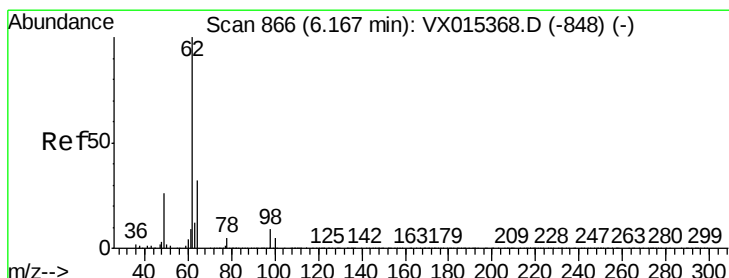
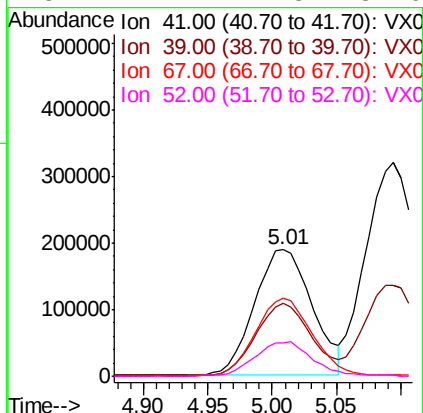
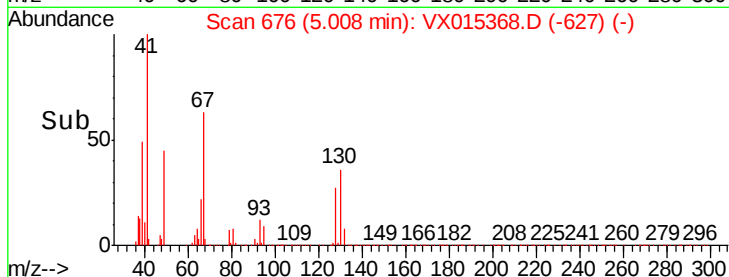
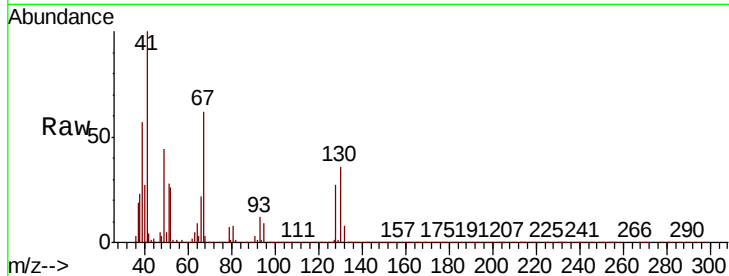




#41  
Methacrylonitrile  
Concen: 72.108 ug/l  
RT: 5.01 min Scan# 676  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

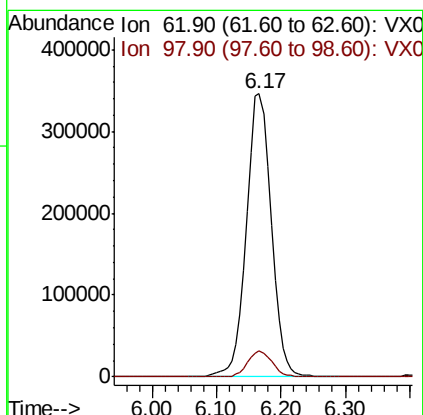
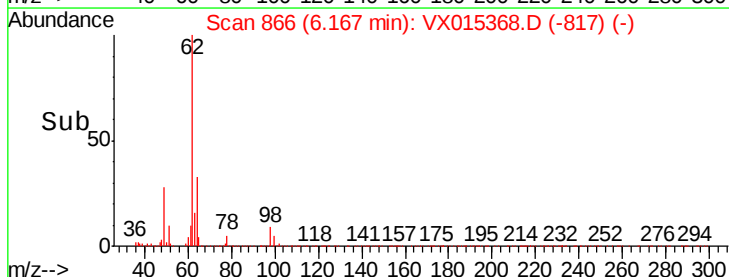
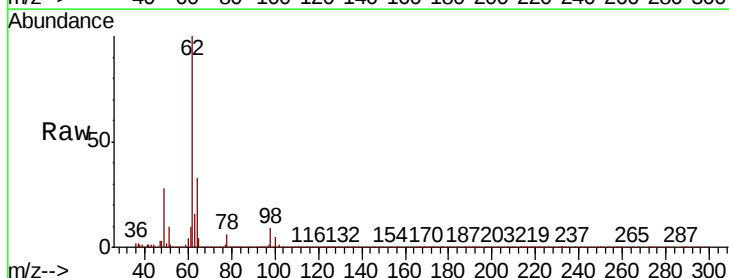
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

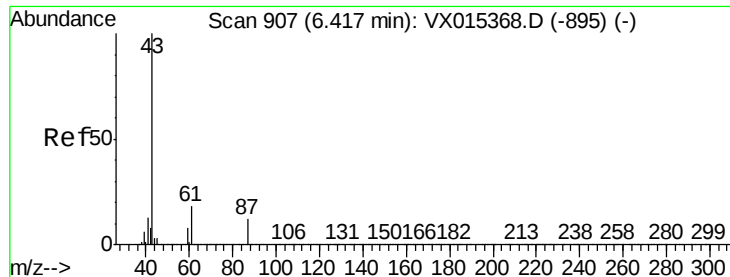
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 584085 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 55.6  | 44.5  | 66.7   |
| 67       | 61.1  | 48.9  | 73.3   |
| 52       | 27.2  | 21.8  | 32.6   |



#42  
1,2-Dichloroethane  
Concen: 62.505 ug/l  
RT: 6.17 min Scan# 866  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 917493 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 8.8   | 0.0   | 17.6   |



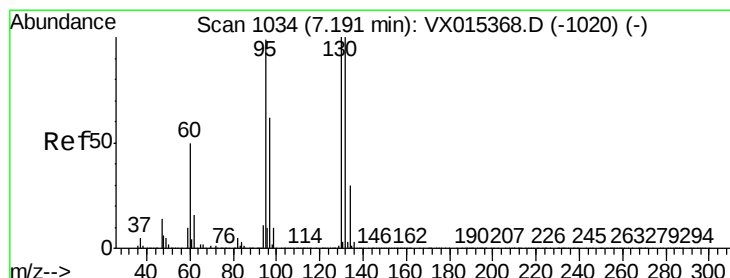
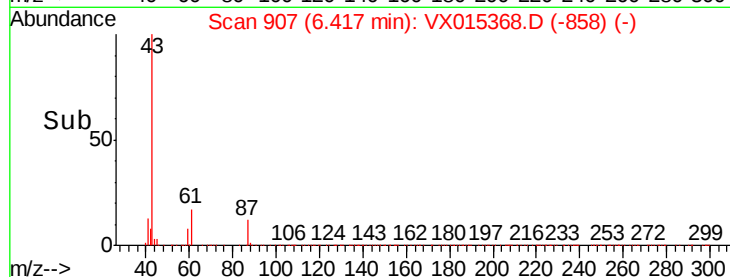
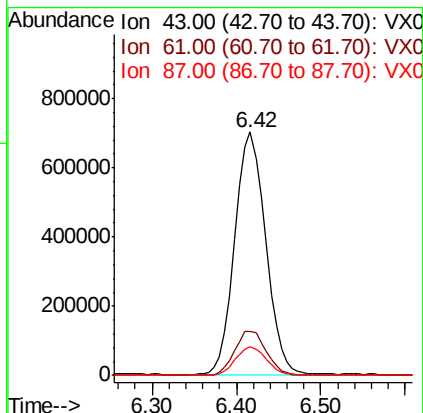
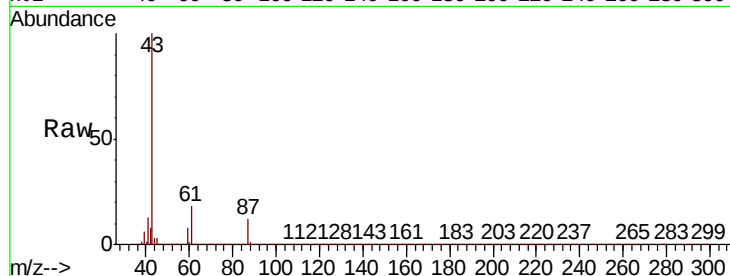


#43

Isopropyl Acetate  
 Concen: 75.325 ug/l  
 RT: 6.42 min Scan# 907  
 Delta R.T. 0.00 min  
 Lab File: VX015368.D  
 Acq: 26 Mar 2020 20:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

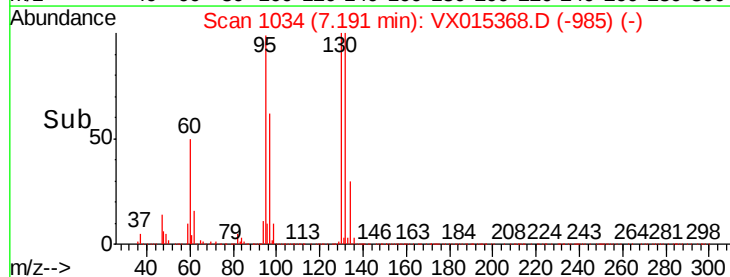
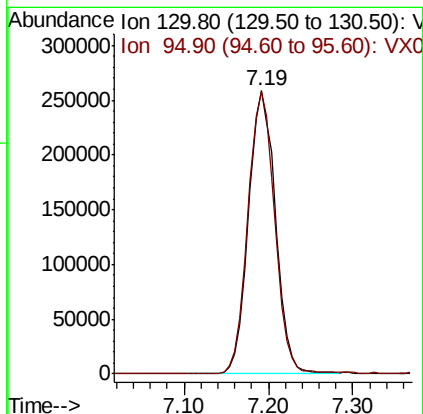
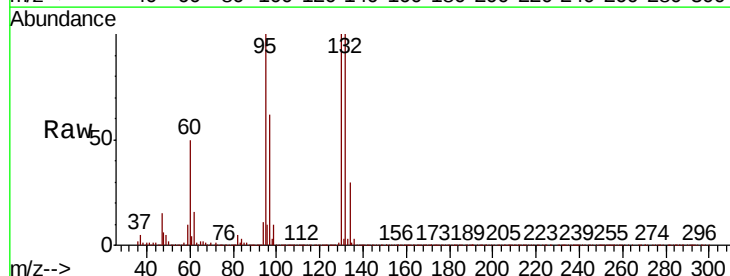
Tot Ion: 43 Resp: 1742588  
 Ion Ratio Lower Upper  
 43 100  
 61 18.5 14.8 22.2  
 87 11.7 9.4 14.0

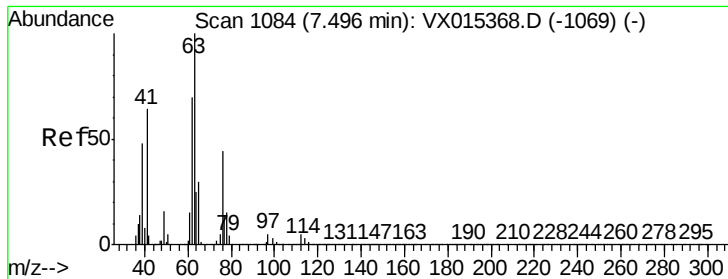


#44

Trichloroethene  
 Concen: 44.428 ug/l  
 RT: 7.19 min Scan# 1034  
 Delta R.T. 0.00 min  
 Lab File: VX015368.D  
 Acq: 26 Mar 2020 20:39

Tgt Ion: 130 Resp: 556073  
 Ion Ratio Lower Upper  
 130 100  
 95 99.5 0.0 199.0

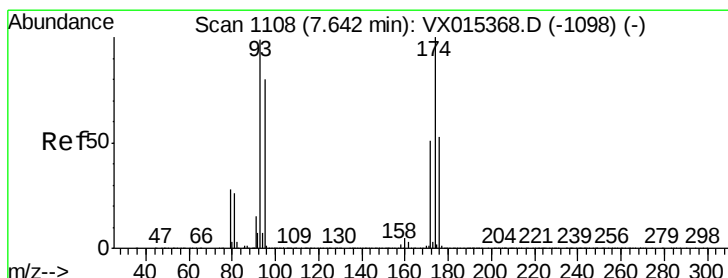
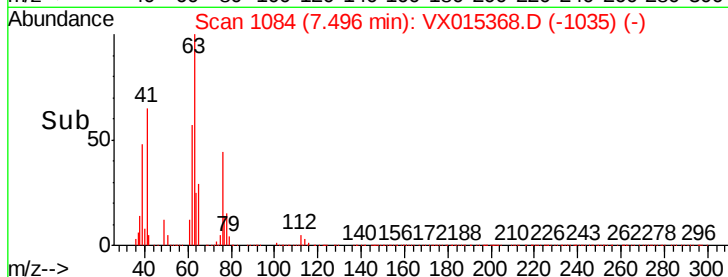
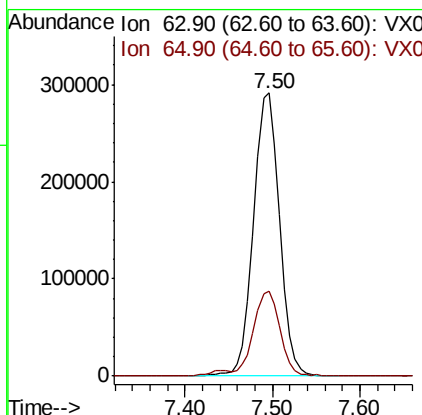
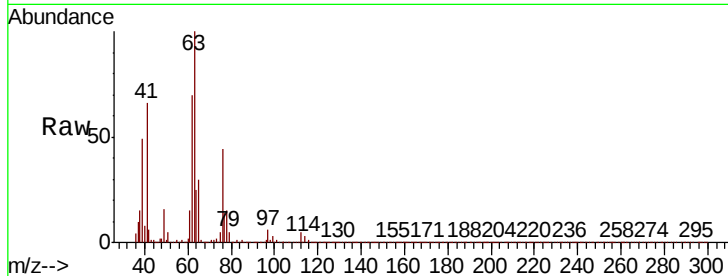




#45  
 1,2-Dichloropropane  
 Concen: 54.558 ug/l  
 RT: 7.50 min Scan# 1084  
 Delta R.T. 0.00 min  
 Lab File: VX015368.D  
 Acq: 26 Mar 2020 20:39

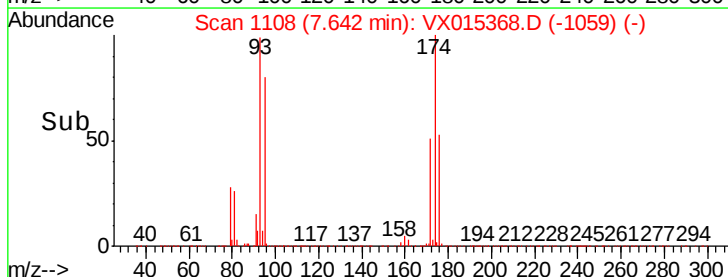
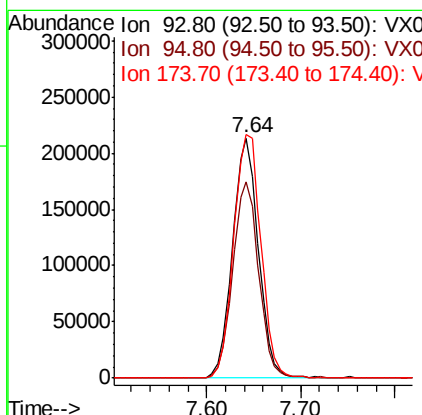
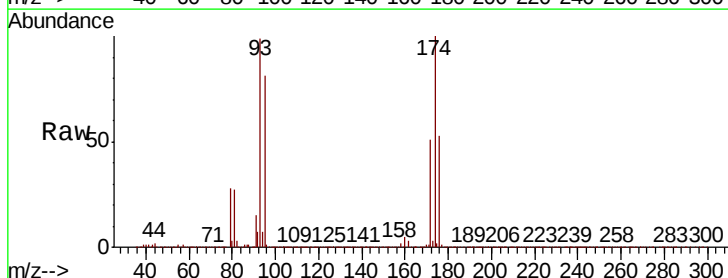
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

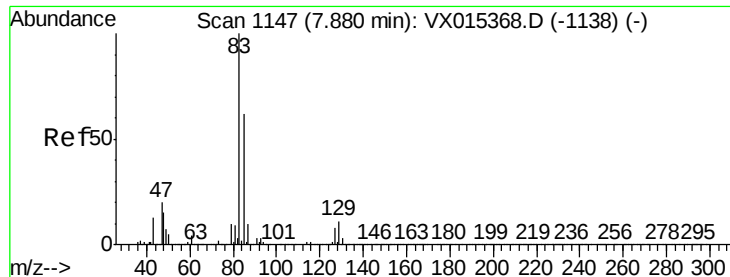
Tot Ion: 63 Resp: 601878  
 Ion Ratio Lower Upper  
 63 100  
 65 29.9 23.9 35.9



#46  
 Dibromomethane  
 Concen: 52.442 ug/l  
 RT: 7.64 min Scan# 1108  
 Delta R.T. 0.00 min  
 Lab File: VX015368.D  
 Acq: 26 Mar 2020 20:39

Tgt Ion: 93 Resp: 404590  
 Ion Ratio Lower Upper  
 93 100  
 95 82.3 65.8 98.8  
 174 107.7 86.2 129.2





#47

Bromodichloromethane

Concen: 59.048 ug/l

RT: 7.88 min Scan# 1147

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

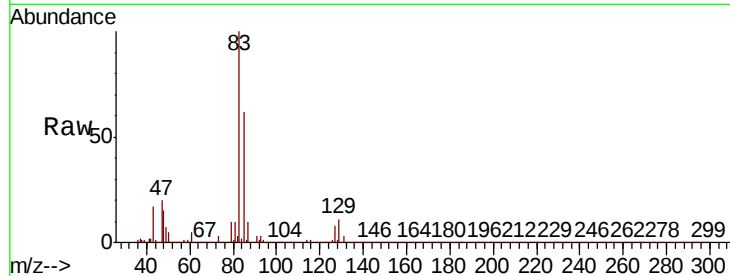
Tot Ion: 83 Resp: 870203

Ion Ratio Lower Upper

83 100

85 62.1 49.7 74.5

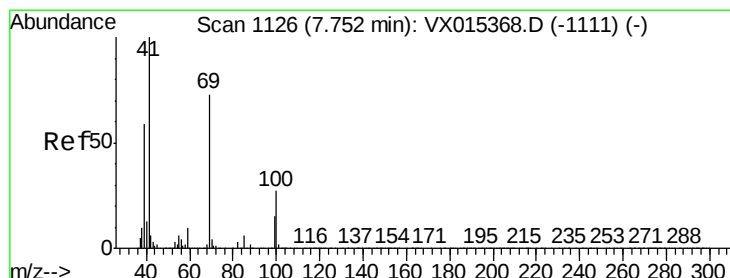
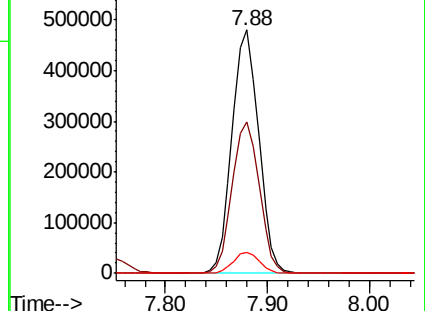
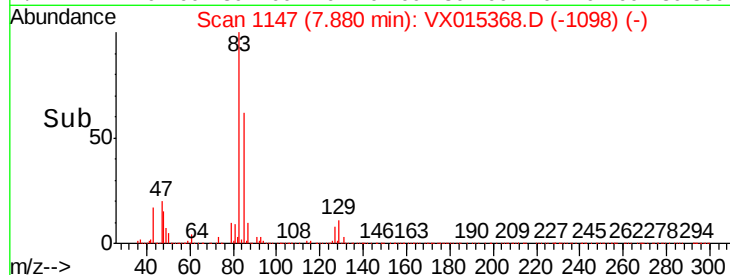
127 8.4 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 78.288 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

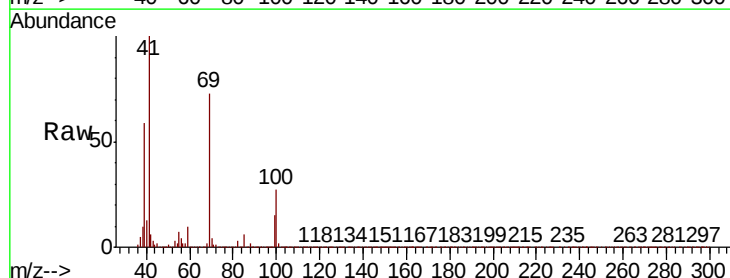
Tgt Ion: 41 Resp: 869921

Ion Ratio Lower Upper

41 100

69 70.9 56.7 85.1

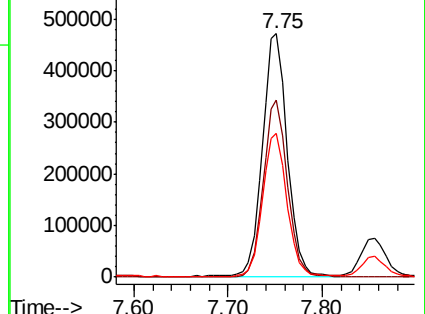
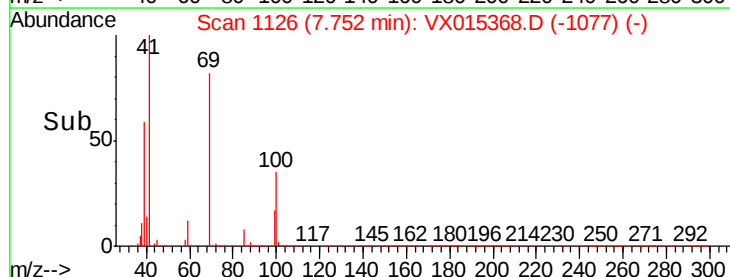
39 58.1 46.5 69.7

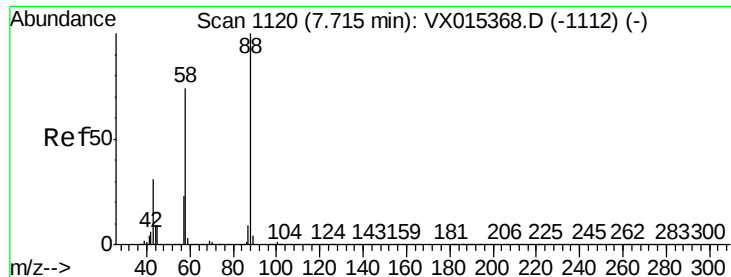


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

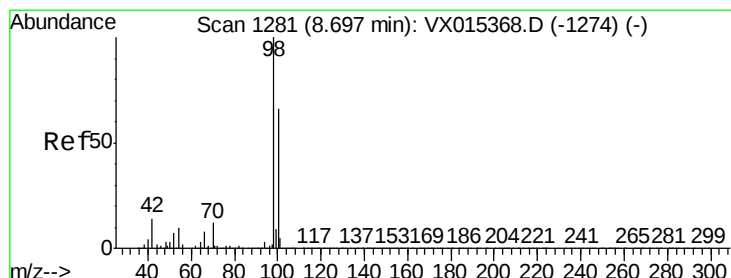
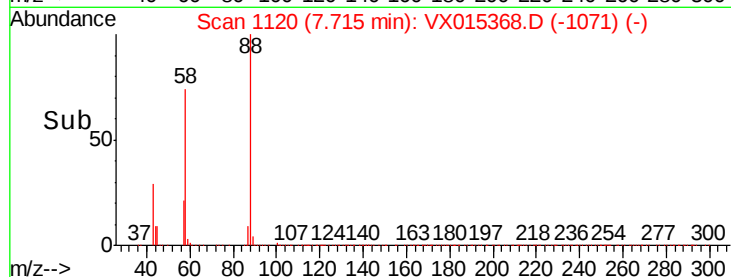
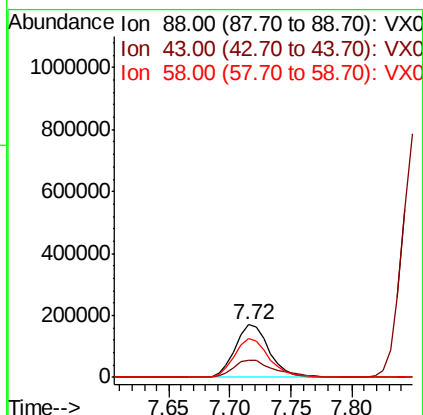
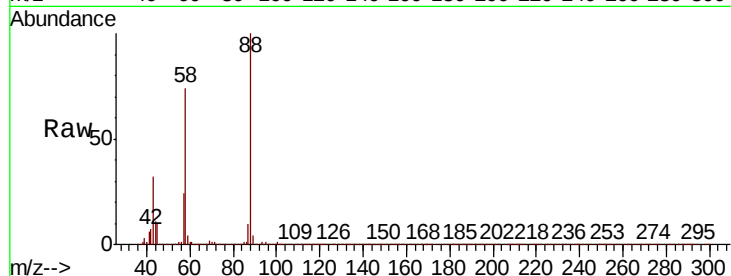




#49  
1,4-Dioxane  
Concen: 1154.574 ug/l  
RT: 7.72 min Scan# 1120  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

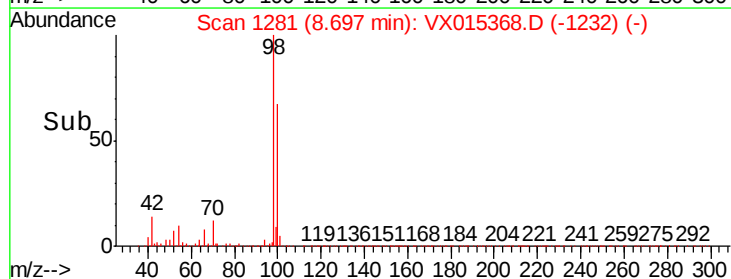
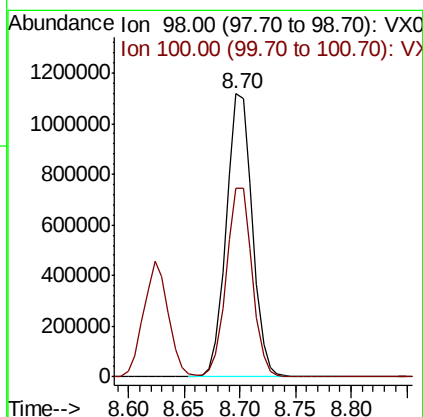
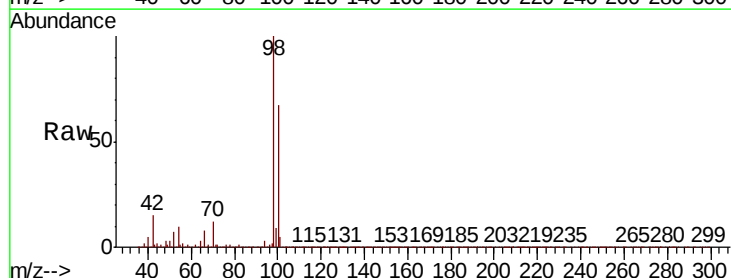
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

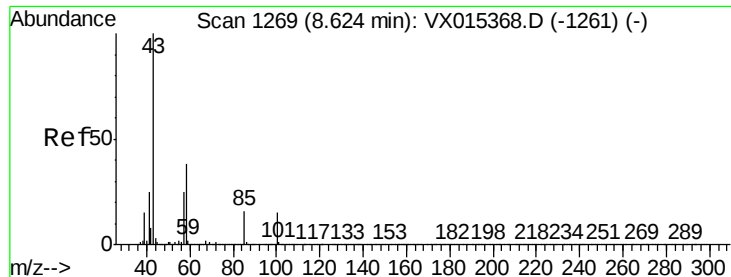
Tot Ion: 88 Resp: 326471  
Ion Ratio Lower Upper  
88 100  
43 37.6 30.1 45.1  
58 75.7 60.6 90.8



#50  
Toluene-d8  
Concen: 47.317 ug/l  
RT: 8.70 min Scan# 1281  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

Tgt Ion: 98 Resp: 1799939  
Ion Ratio Lower Upper  
98 100  
100 66.9 53.5 80.3





#51

4-Methyl-2-Pentanone

Concen: 355.981 ug/l

RT: 8.62 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

Instrument :

MSVOA\_X

ClientSampleId :

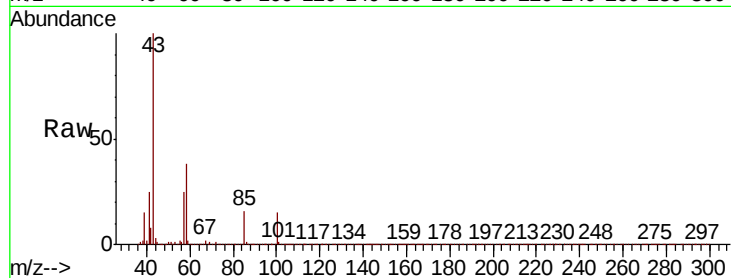
VSTDICCC050

Tot Ion: 43 Resp: 4981434

Ion Ratio Lower Upper

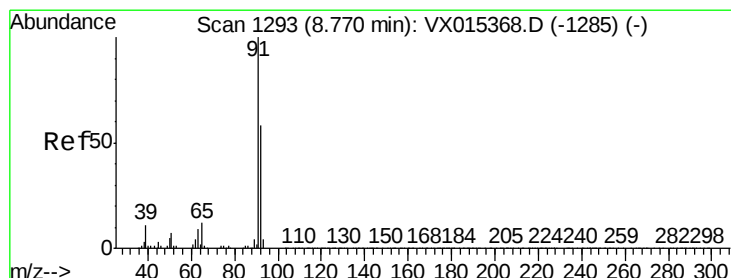
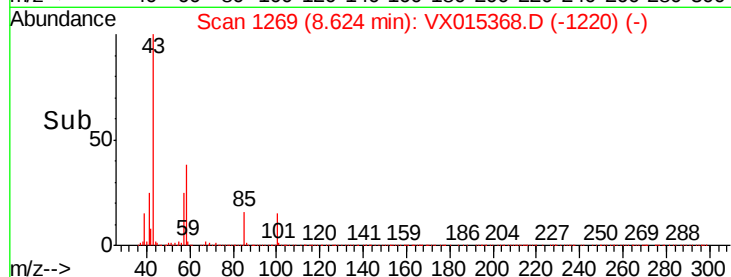
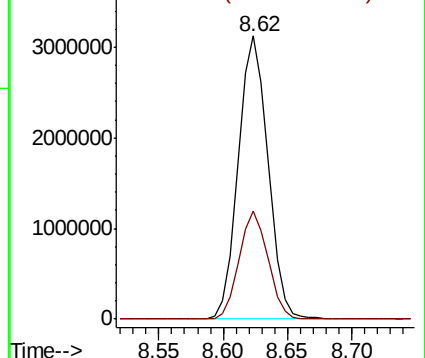
43 100

58 37.1 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 47.573 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX015368.D

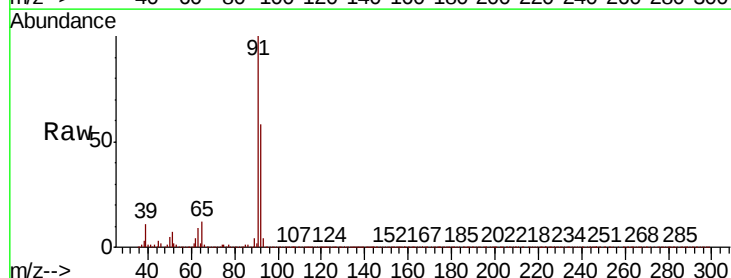
Acq: 26 Mar 2020 20:39

Tgt Ion: 92 Resp: 1331939

Ion Ratio Lower Upper

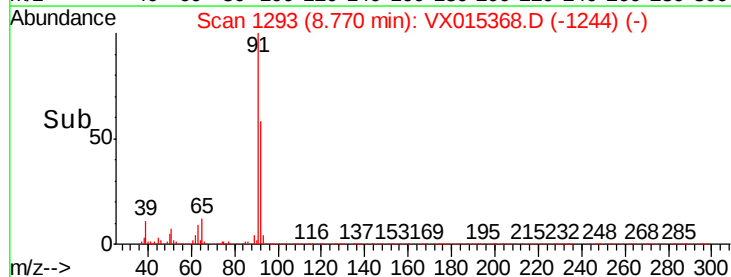
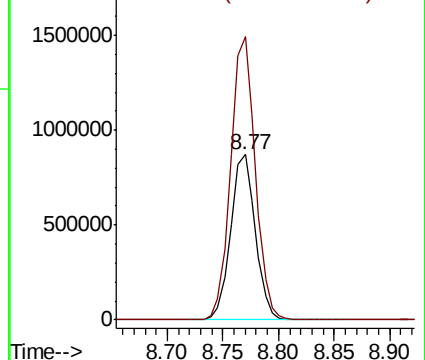
92 100

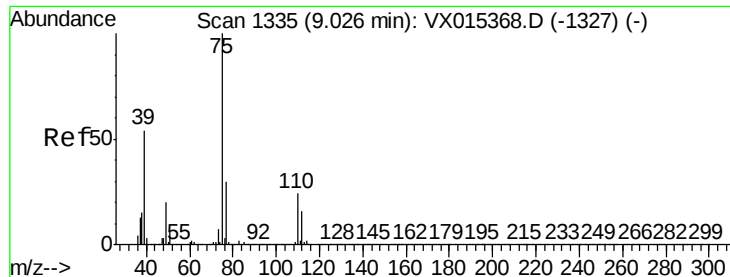
91 170.8 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 62.808 ug/l

RT: 9.03 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

Instrument :

MSVOA\_X

ClientSampleId :

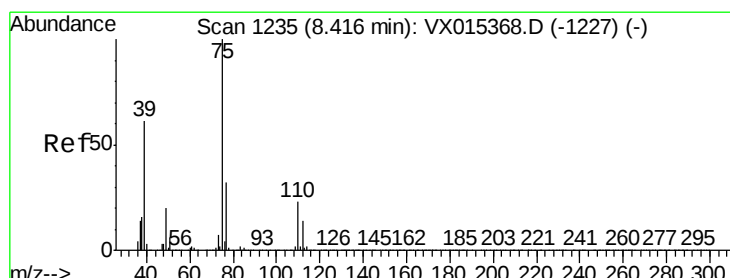
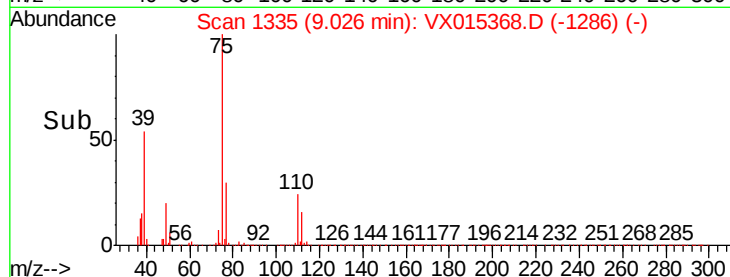
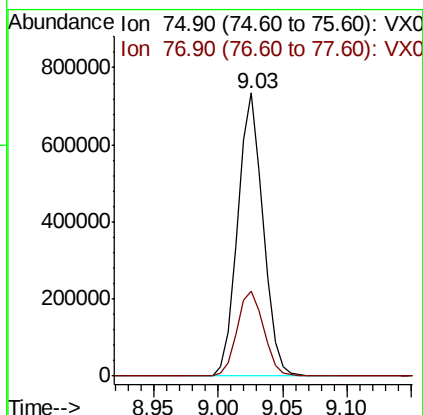
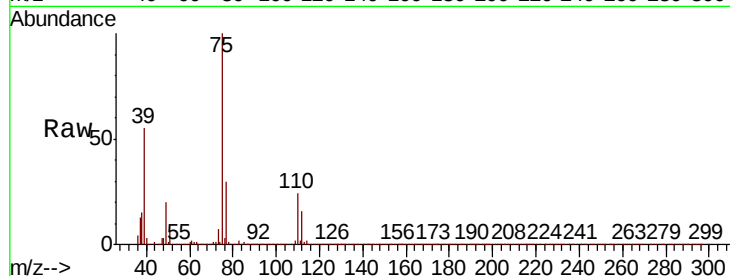
VSTDICCC050

Tot Ion: 75 Resp: 1005457

Ion Ratio Lower Upper

75 100

77 30.1 24.1 36.1



#54

cis-1,3-Dichloropropene

Concen: 58.084 ug/l

RT: 8.42 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

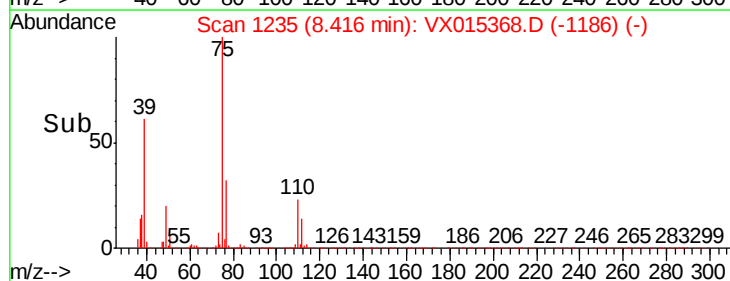
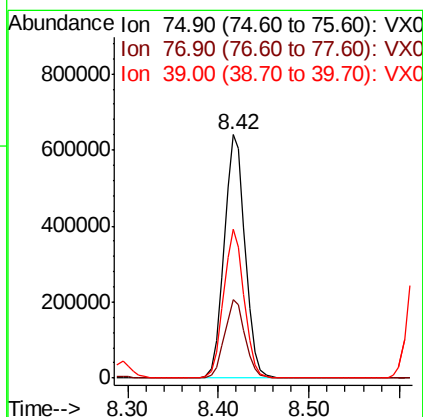
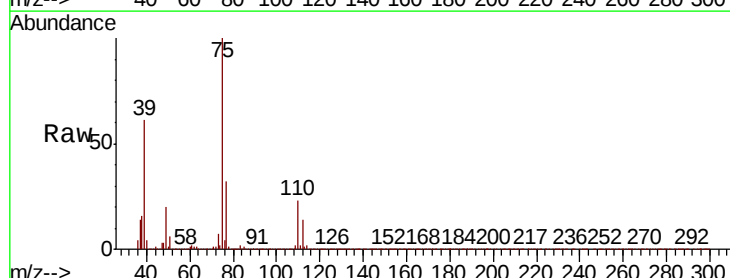
Tgt Ion: 75 Resp: 1032710

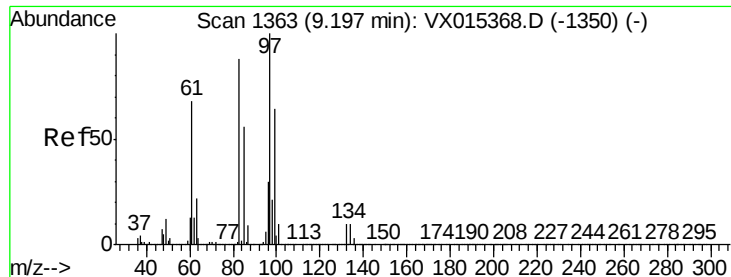
Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6

39 61.2 49.0 73.4

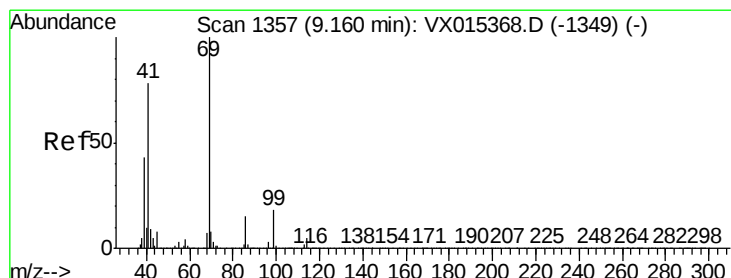
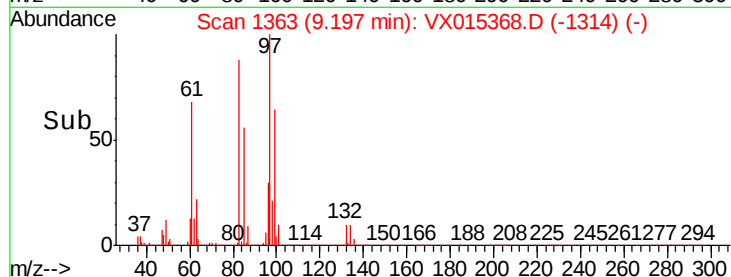
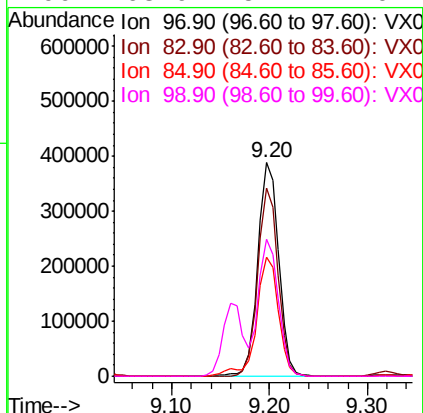
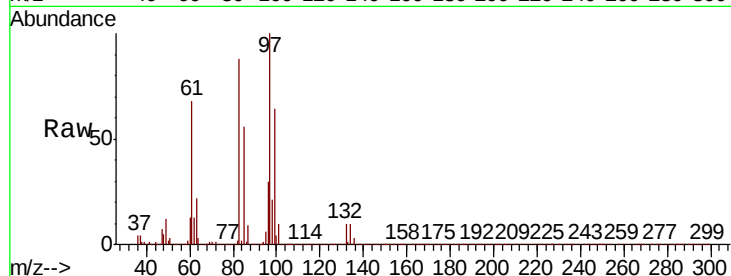




#55  
 1,1,2-Trichloroethane  
 Concen: 48.116 ug/l  
 RT: 9.20 min Scan# 1363  
 Delta R.T. 0.00 min  
 Lab File: VX015368.D  
 Acq: 26 Mar 2020 20:39

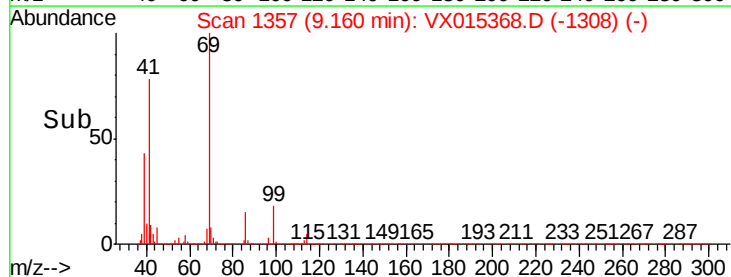
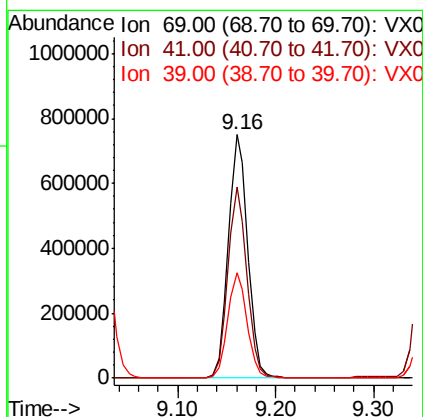
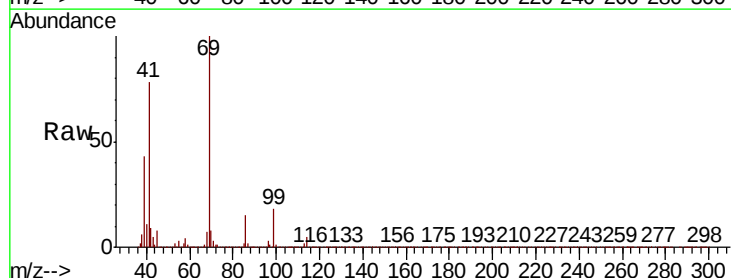
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

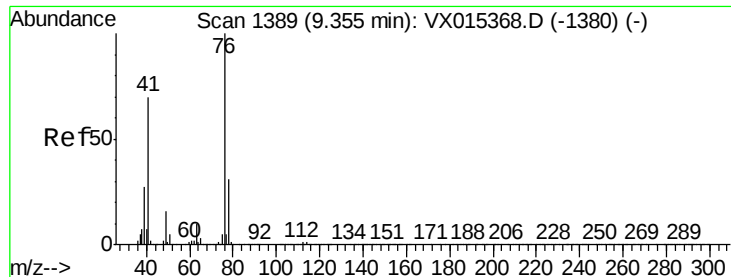
| Tot Ion: | 97    | Resp: | 576620 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 87.8  | 70.2  | 105.4  |
| 85       | 55.9  | 44.7  | 67.1   |
| 99       | 63.9  | 51.1  | 76.7   |



#56  
 Ethyl methacrylate  
 Concen: 63.064 ug/l  
 RT: 9.16 min Scan# 1357  
 Delta R.T. 0.00 min  
 Lab File: VX015368.D  
 Acq: 26 Mar 2020 20:39

| Tgt Ion: | 69    | Resp: | 1027535 |
|----------|-------|-------|---------|
| Ion      | Ratio | Lower | Upper   |
| 69       | 100   |       |         |
| 41       | 77.0  | 61.6  | 92.4    |
| 39       | 42.5  | 34.0  | 51.0    |





#57

1,3-Dichloropropane

Concen: 51.080 ug/l

RT: 9.36 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

Instrument :

MSVOA\_X

ClientSampleId :

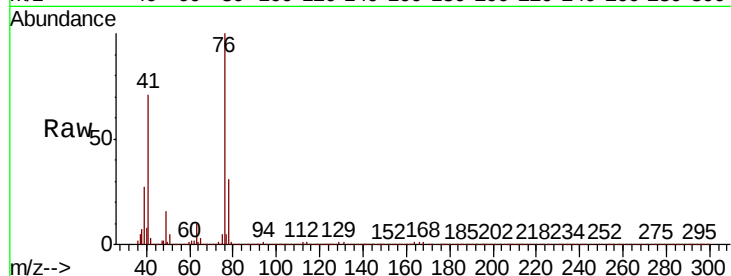
VSTDICCC050

Tot Ion: 76 Resp: 1016011

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.36

800000

600000

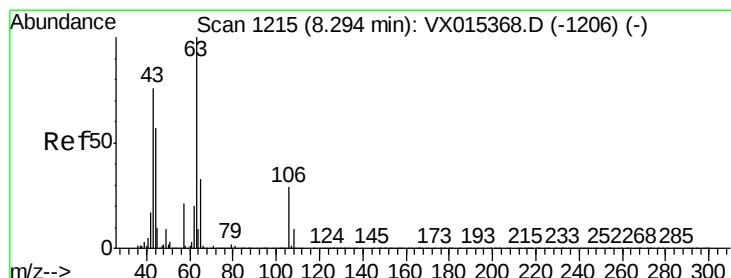
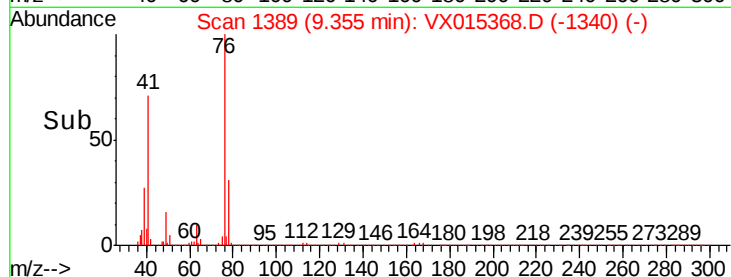
400000

200000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 275.763 ug/l

RT: 8.29 min Scan# 1215

Delta R.T. 0.00 min

Lab File: VX015368.D

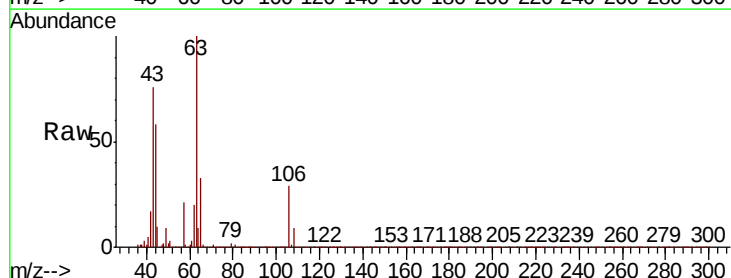
Acq: 26 Mar 2020 20:39

Tgt Ion: 63 Resp: 2510896

Ion Ratio Lower Upper

63 100

106 28.4 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.29

1500000

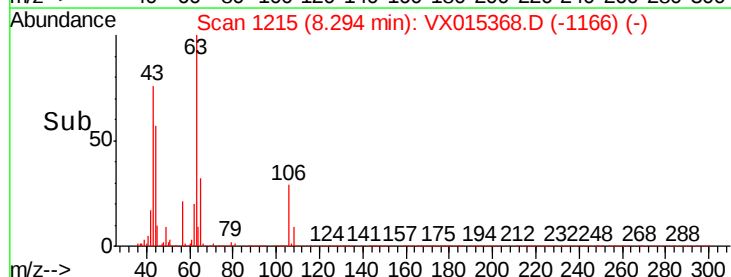
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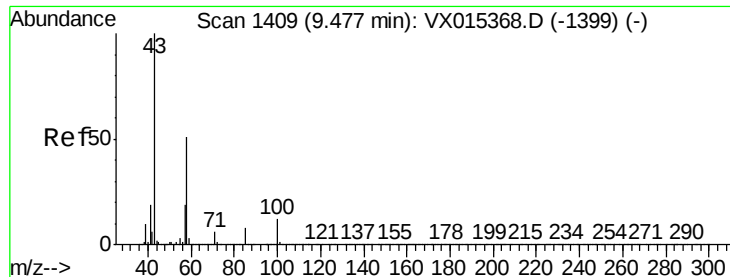
500000

0

8.20 8.30 8.40

Time-->

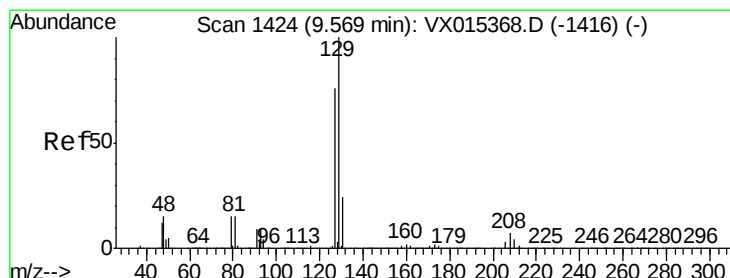
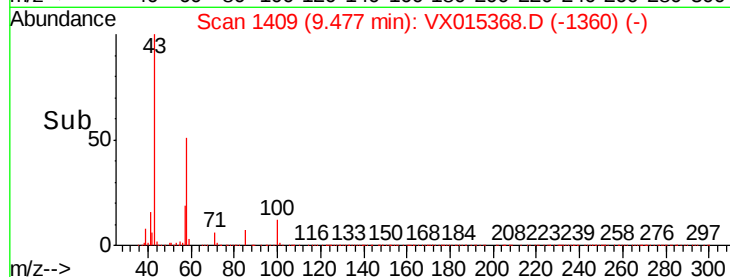
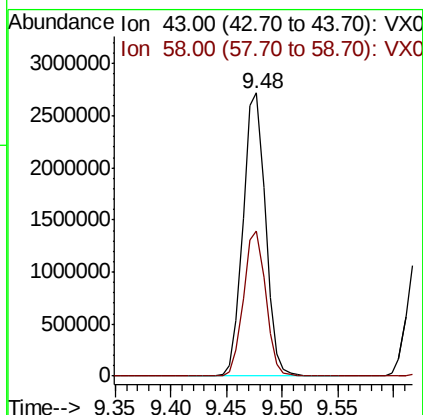
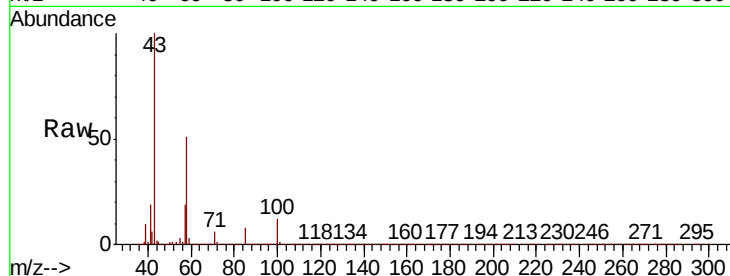




#59  
2-Hexanone  
Concen: 363.663 ug/l  
RT: 9.48 min Scan# 1409  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

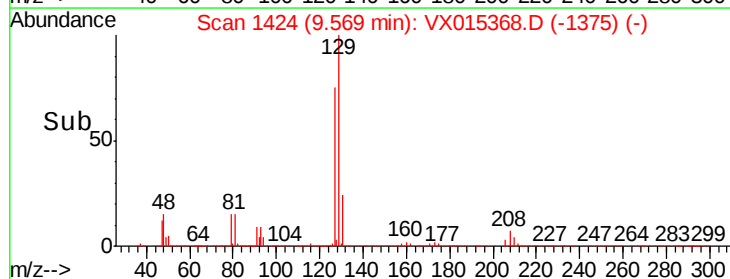
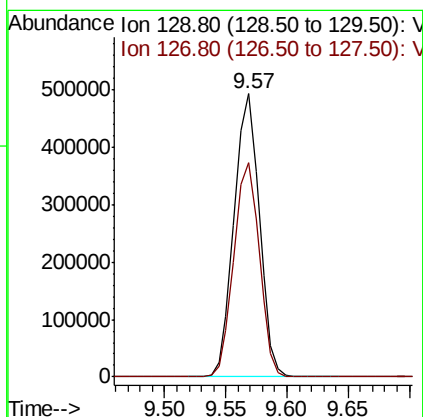
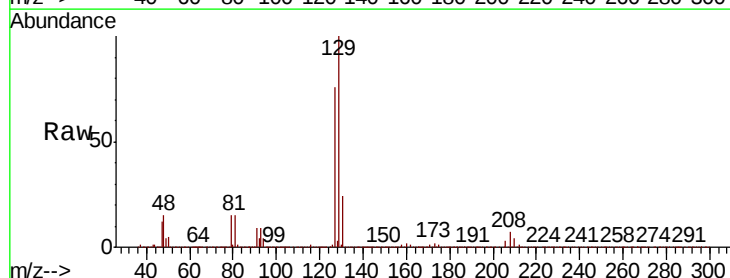
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

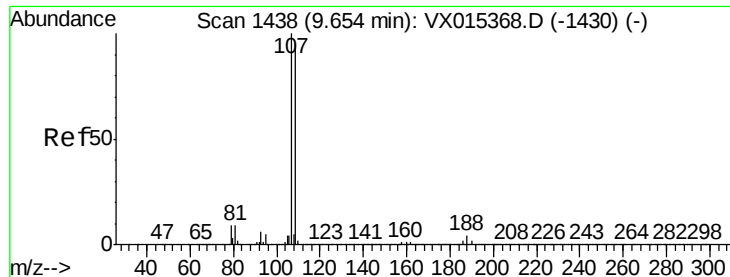
Tot Ion: 43 Resp: 3798276  
Ion Ratio Lower Upper  
43 100  
58 51.1 25.6 76.6



#60  
Dibromochloromethane  
Concen: 58.572 ug/l  
RT: 9.57 min Scan# 1424  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

Tgt Ion: 129 Resp: 705282  
Ion Ratio Lower Upper  
129 100  
127 76.4 38.2 114.6





#61

1,2-Dibromoethane

Concen: 51.506 ug/l

RT: 9.65 min Scan# 1438

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

Instrument :

MSVOA\_X

ClientSampleId :

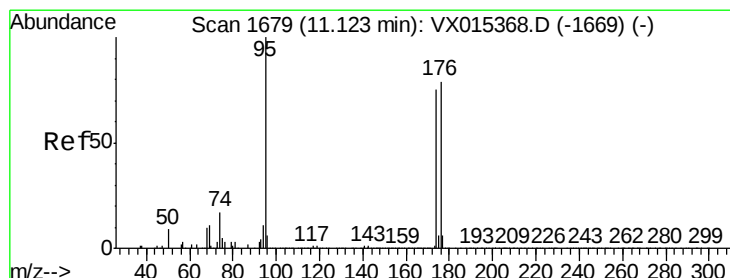
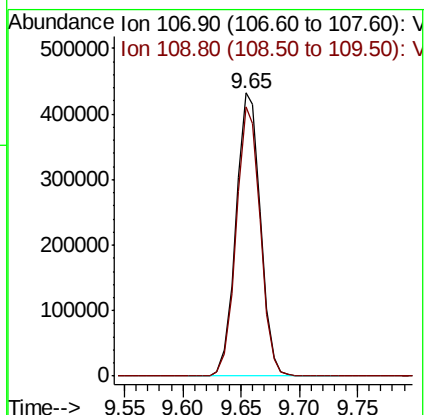
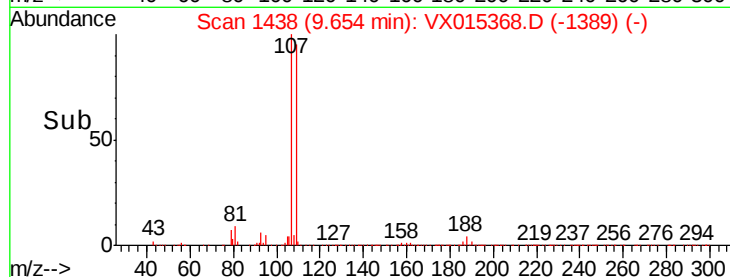
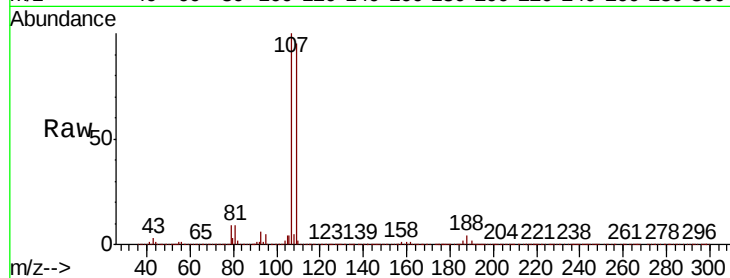
VSTDICCC050

Tot Ion:107 Resp: 631625

Ion Ratio Lower Upper

107 100

109 93.5 74.8 112.2



#62

4-Bromofluorobenzene

Concen: 50.523 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

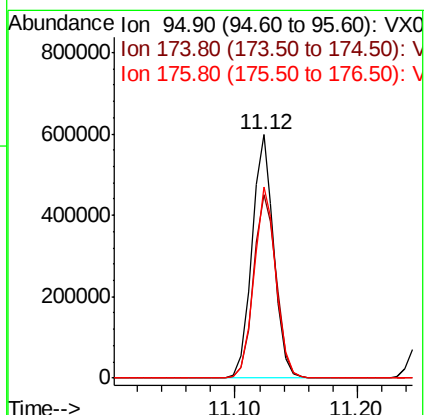
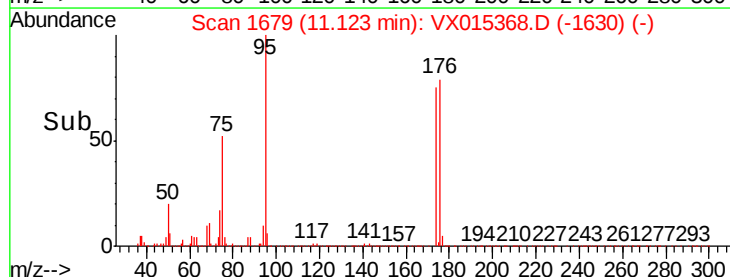
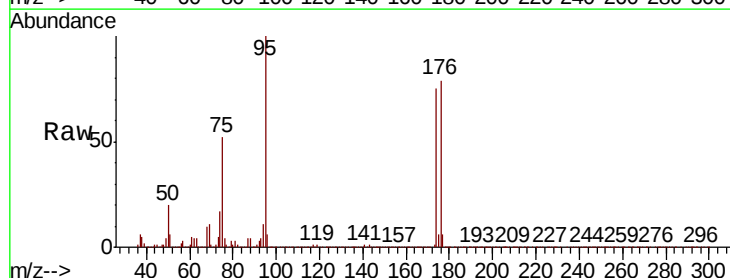
Tgt Ion: 95 Resp: 742092

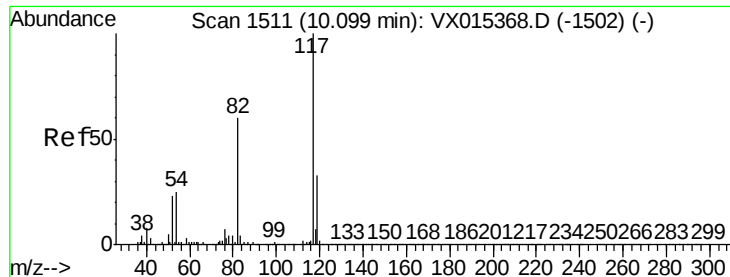
Ion Ratio Lower Upper

95 100

174 79.3 0.0 158.6

176 79.5 0.0 159.0

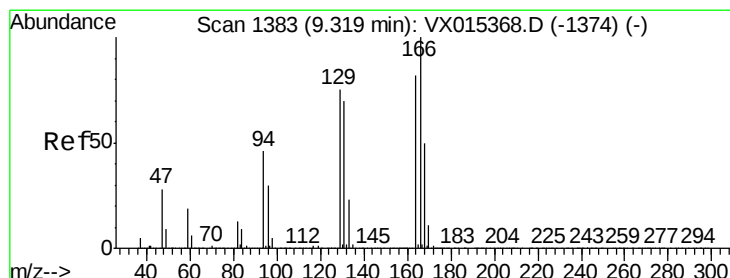
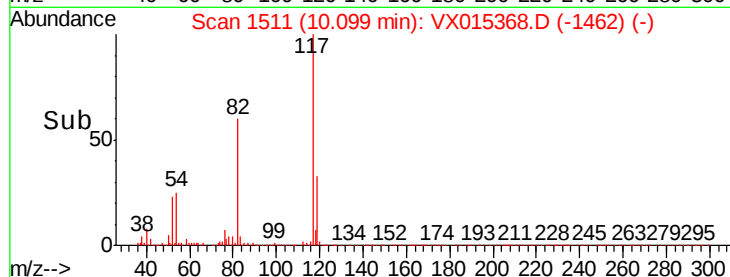
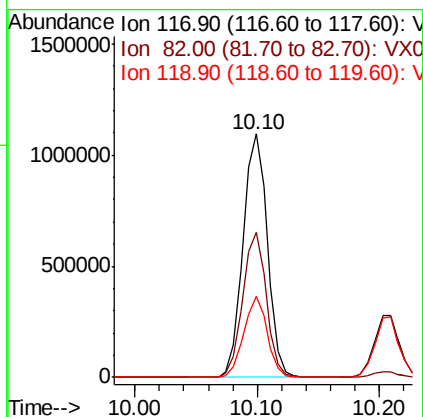
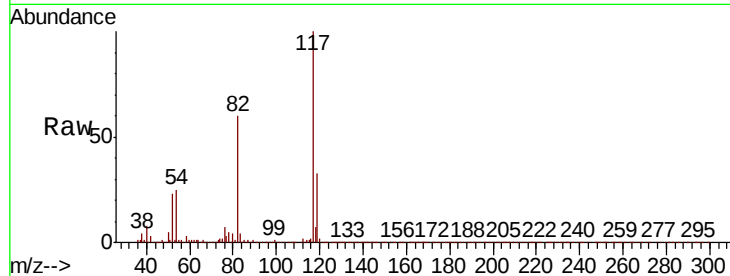




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1511  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

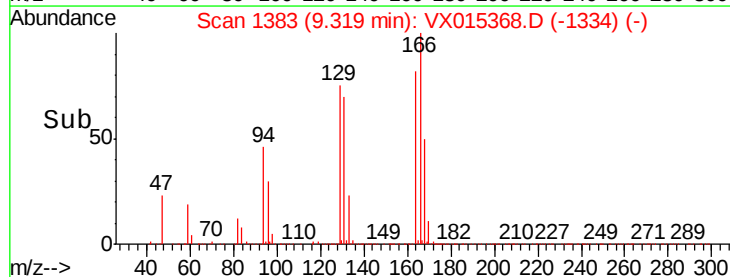
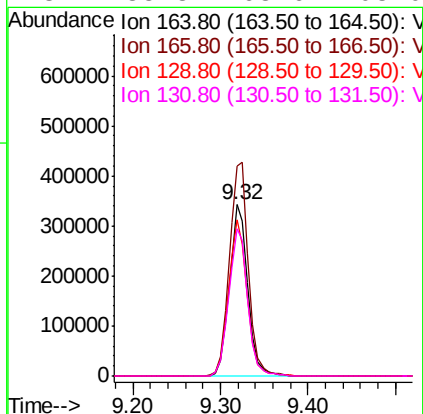
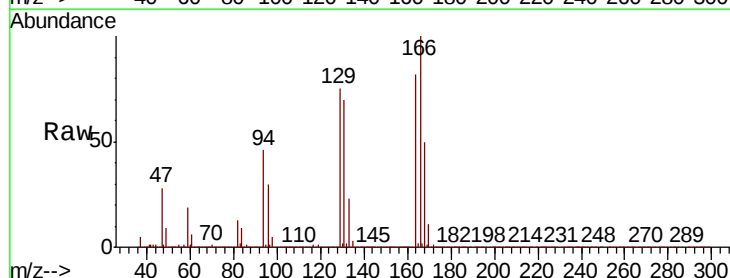
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

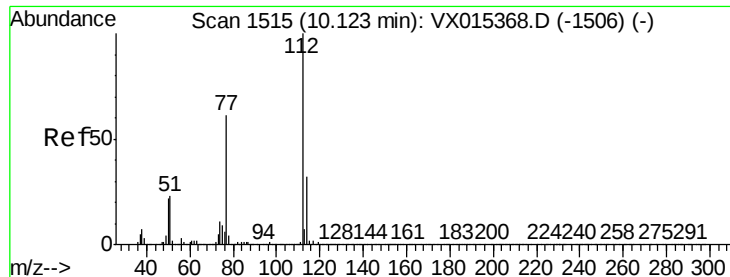
Tot Ion:117 Resp: 1507006  
Ion Ratio Lower Upper  
117 100  
82 59.8 47.8 71.8  
119 33.5 26.8 40.2



#64  
Tetrachloroethene  
Concen: 45.845 ug/l  
RT: 9.32 min Scan# 1383  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

Tgt Ion:164 Resp: 497056  
Ion Ratio Lower Upper  
164 100  
166 122.2 97.8 146.6  
129 91.2 73.0 109.4  
131 85.8 68.6 103.0

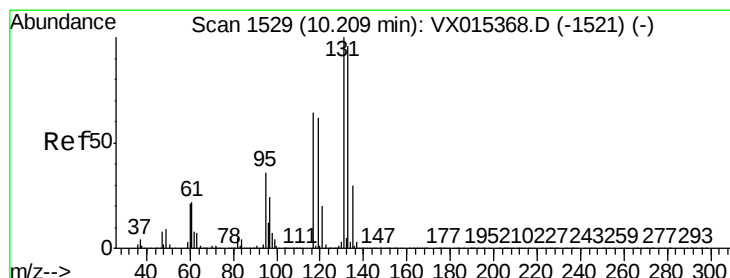
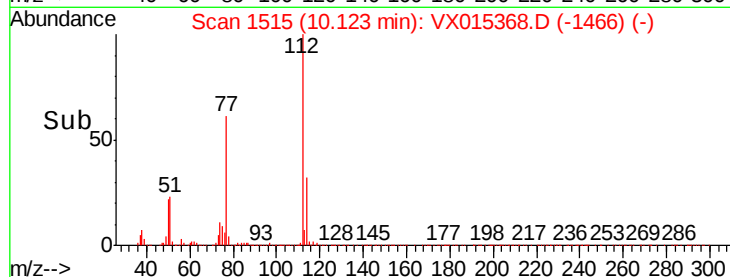
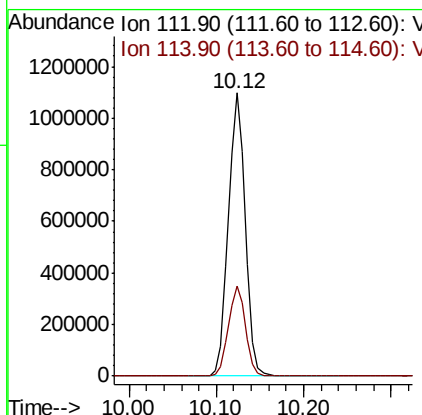
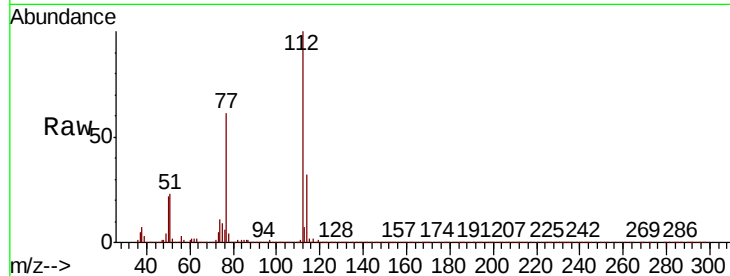




#65  
Chlorobenzene  
Concen: 46.842 ug/l  
RT: 10.12 min Scan# 1515  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

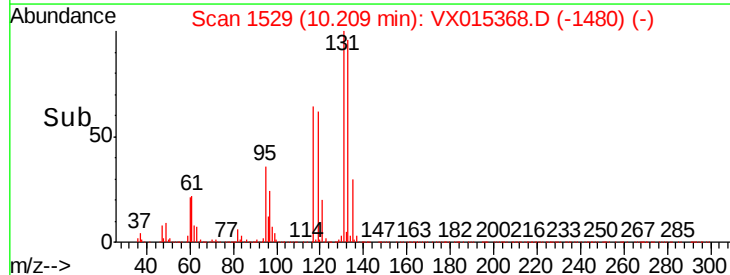
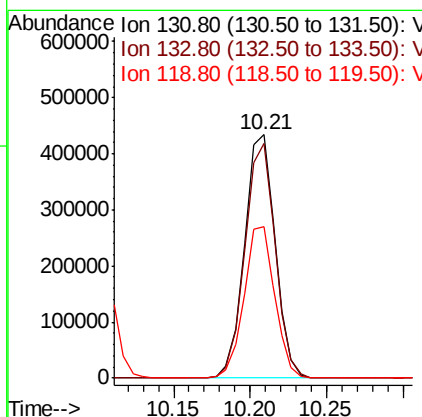
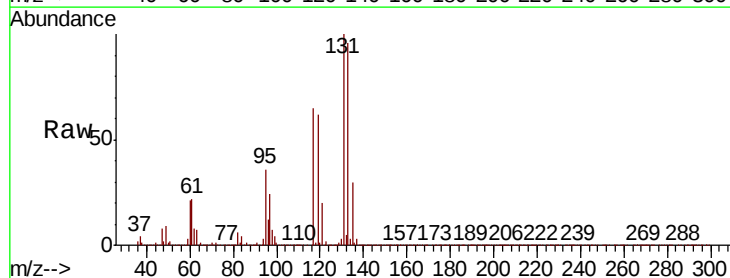
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

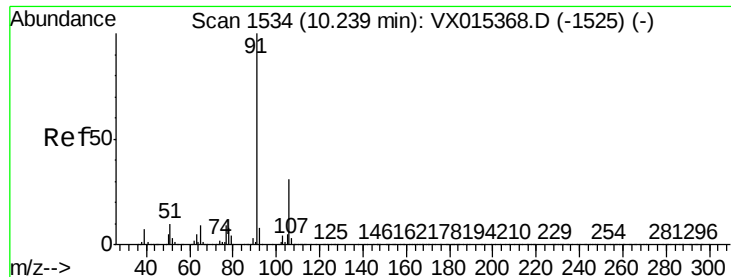
Tot Ion:112 Resp: 1470225  
Ion Ratio Lower Upper  
112 100  
114 31.9 25.5 38.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.951 ug/l  
RT: 10.21 min Scan# 1529  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

Tgt Ion:131 Resp: 603518  
Ion Ratio Lower Upper  
131 100  
133 95.3 47.6 142.9  
119 62.2 31.1 93.3

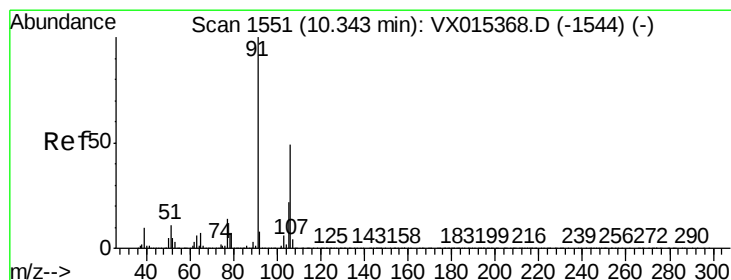
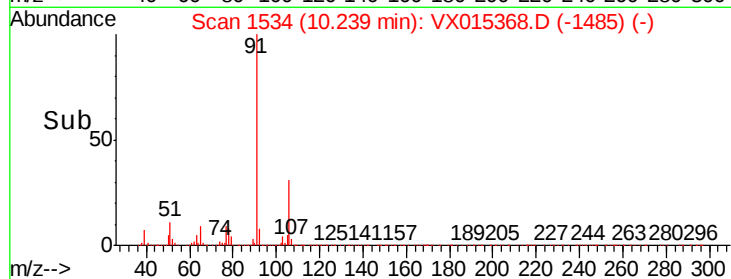
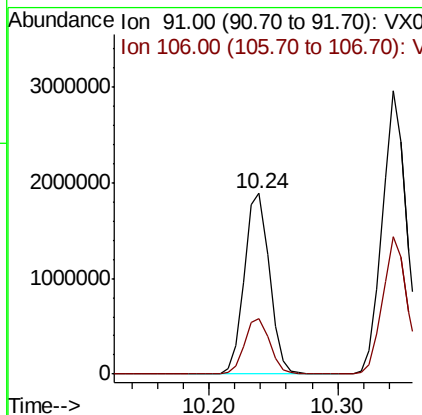
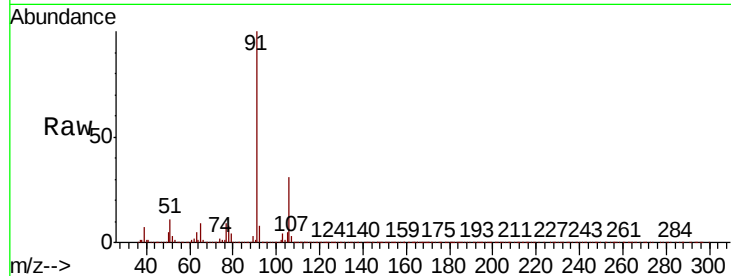




#67  
Ethyl Benzene  
Concen: 47.459 ug/l  
RT: 10.24 min Scan# 1534  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

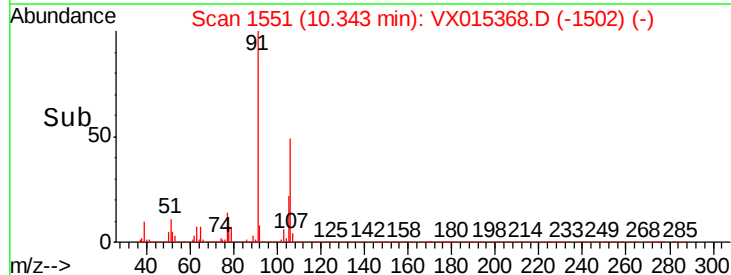
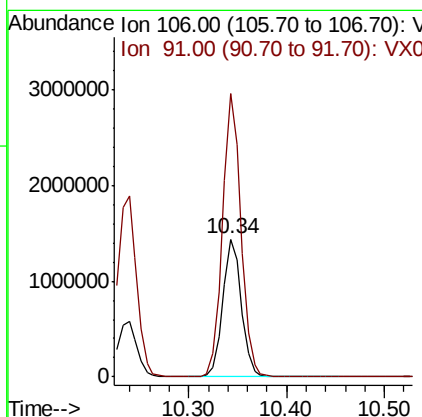
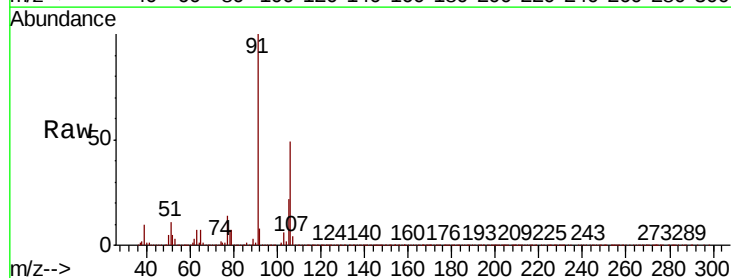
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

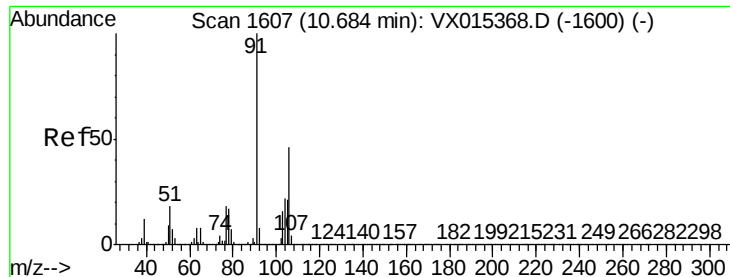
Tot Ion: 91 Resp: 2533564  
Ion Ratio Lower Upper  
91 100  
106 31.0 24.8 37.2



#68  
m/p-Xylenes  
Concen: 93.421 ug/l  
RT: 10.34 min Scan# 1551  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

Tgt Ion: 106 Resp: 1888782  
Ion Ratio Lower Upper  
106 100  
91 204.2 163.4 245.0

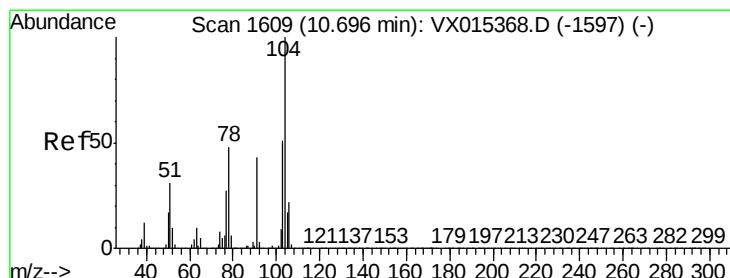
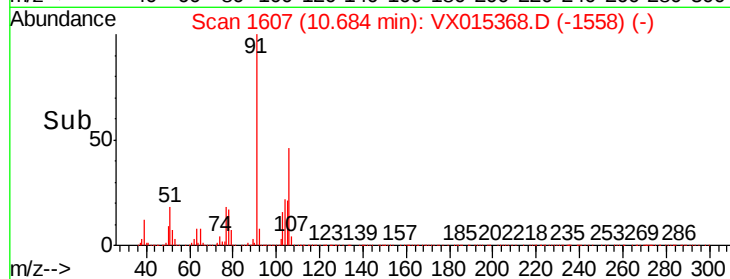
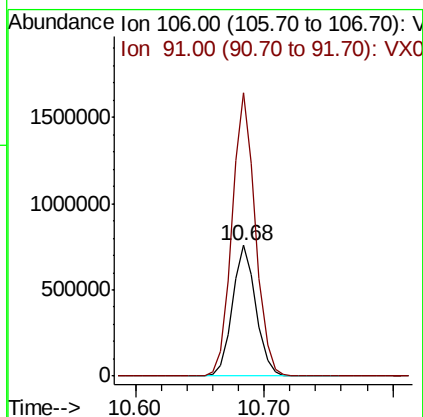
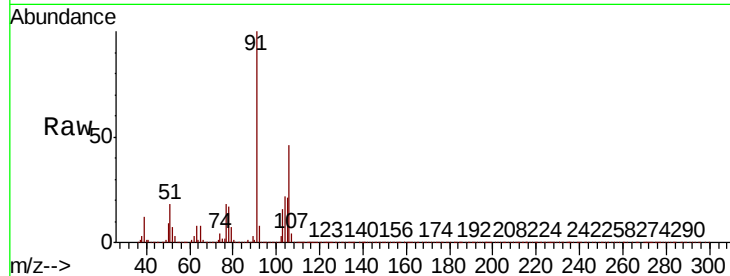




#69  
o-Xylene  
Concen: 49.114 ug/l  
RT: 10.68 min Scan# 1607  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

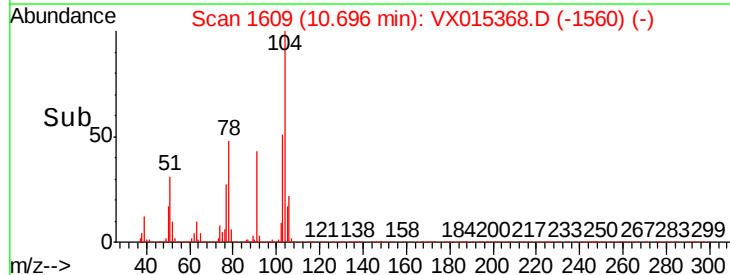
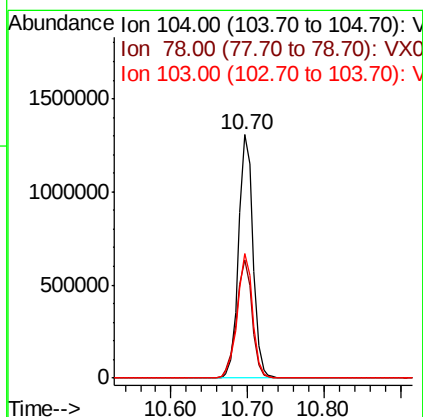
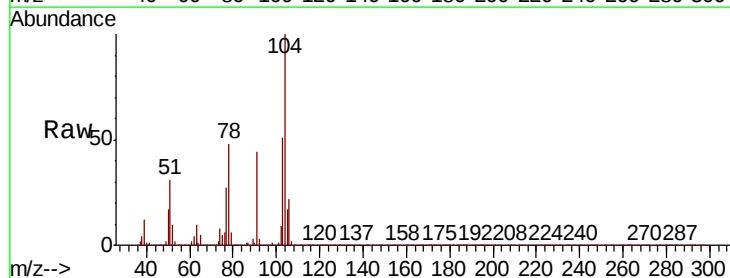
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

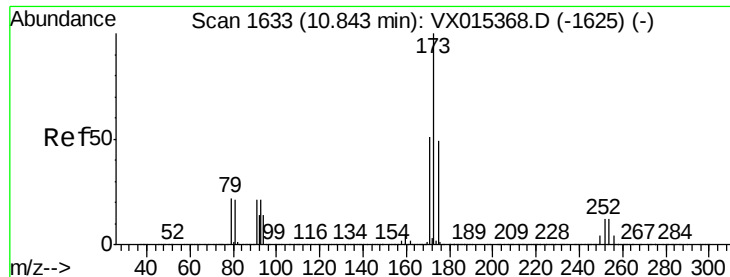
Tot Ion:106 Resp: 965259  
Ion Ratio Lower Upper  
106 100  
91 214.2 107.1 321.3



#70  
Styrene  
Concen: 51.774 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

Tgt Ion:104 Resp: 1700378  
Ion Ratio Lower Upper  
104 100  
78 52.5 42.0 63.0  
103 54.2 43.4 65.0

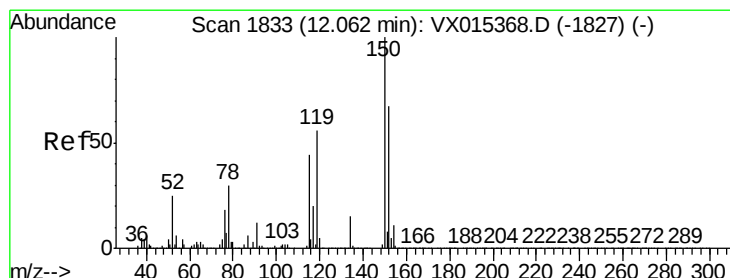
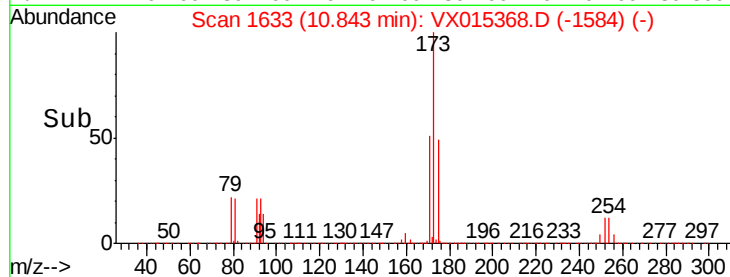
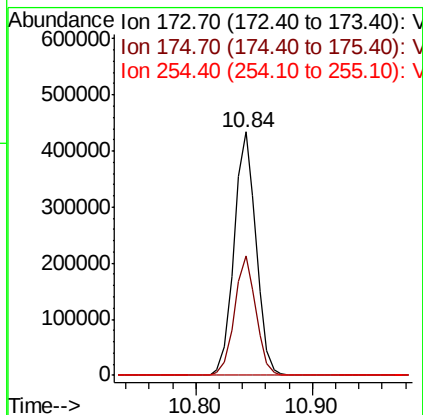
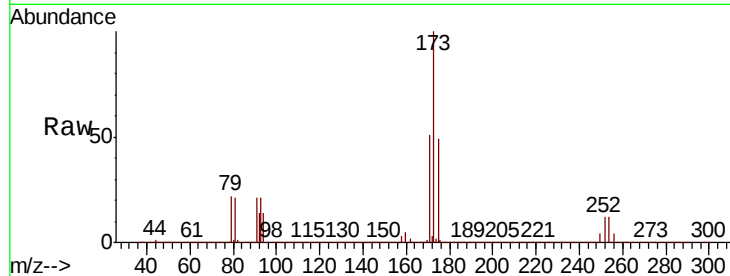




#71  
Bromoform  
Concen: 70.836 ug/l  
RT: 10.84 min Scan# 1633  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

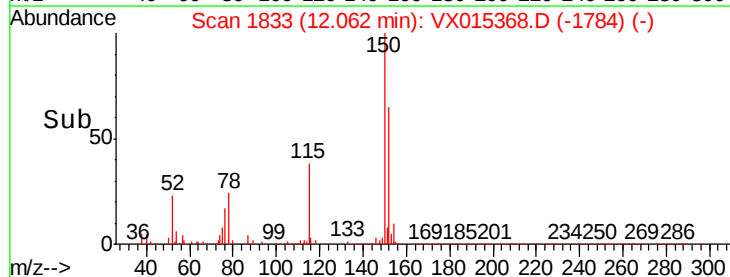
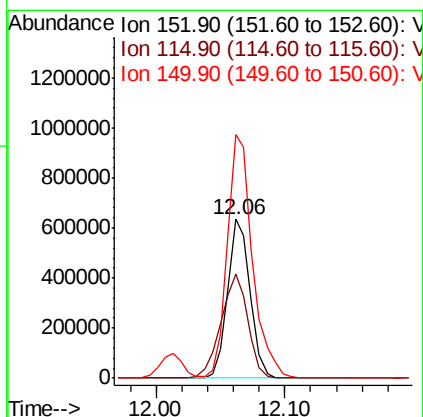
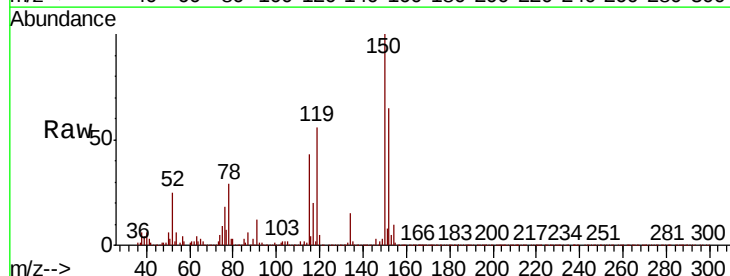
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

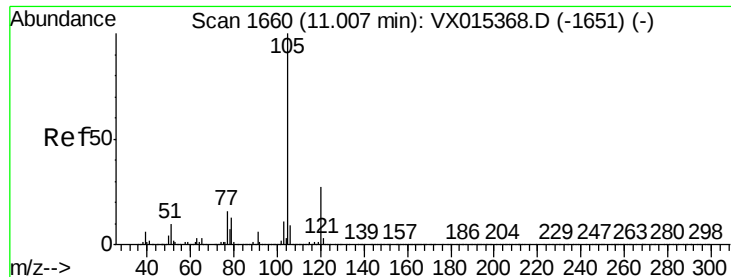
Tot Ion:173 Resp: 568978  
Ion Ratio Lower Upper  
173 100  
175 47.8 23.9 71.7  
254 0.1 0.1 0.1#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1833  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

Tgt Ion:152 Resp: 781882  
Ion Ratio Lower Upper  
152 100  
115 77.9 39.0 116.9  
150 170.4 0.0 340.8





#73

Isopropylbenzene

Concen: 41.308 ug/l

RT: 11.01 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

Instrument :

MSVOA\_X

ClientSampleId :

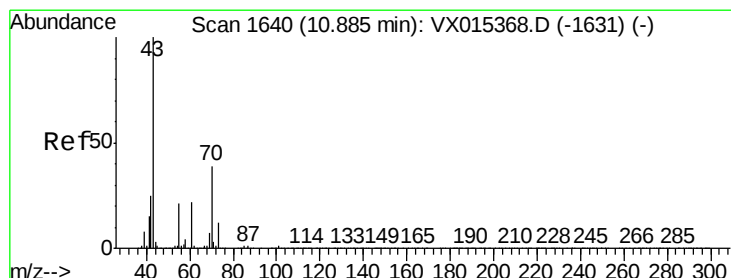
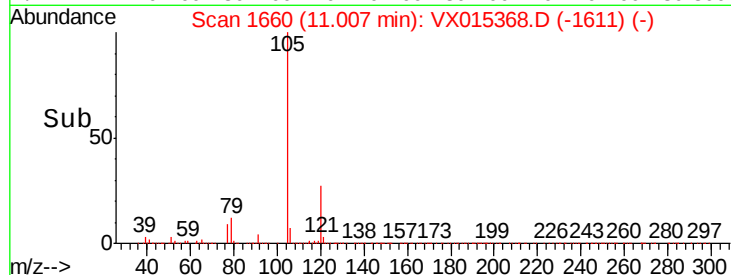
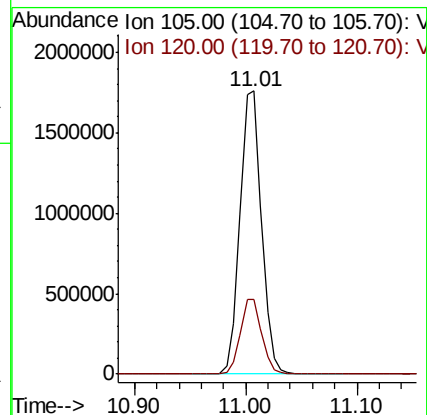
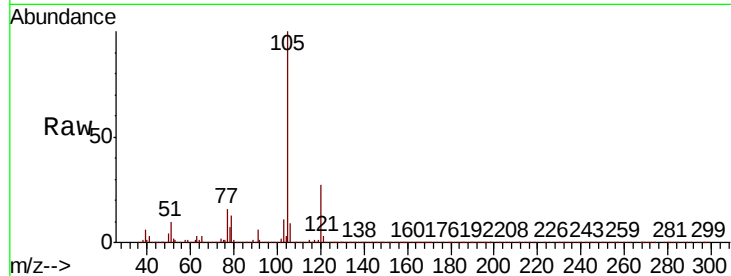
VSTDICCC050

Tot Ion:105 Resp: 2353952

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.5



#74

N-ethyl acetate

Concen: 68.330 ug/l

RT: 10.89 min Scan# 1640

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

Tgt Ion: 43 Resp: 1476794

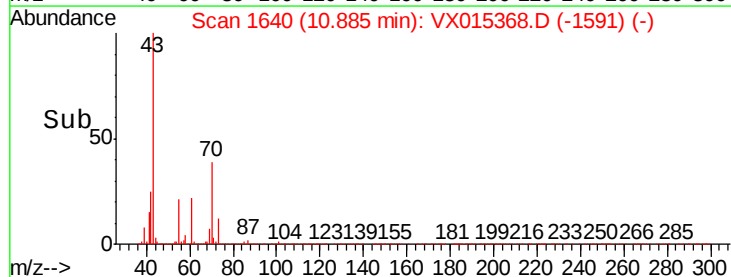
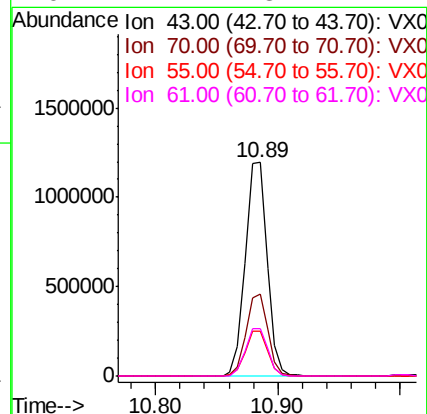
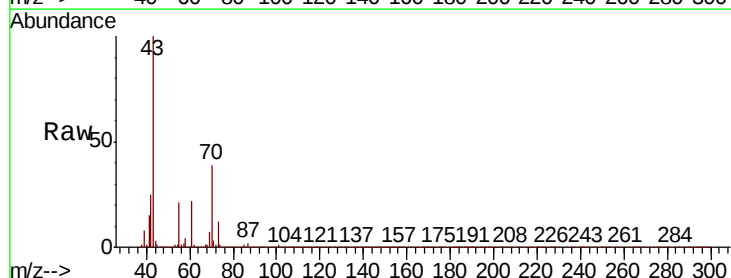
Ion Ratio Lower Upper

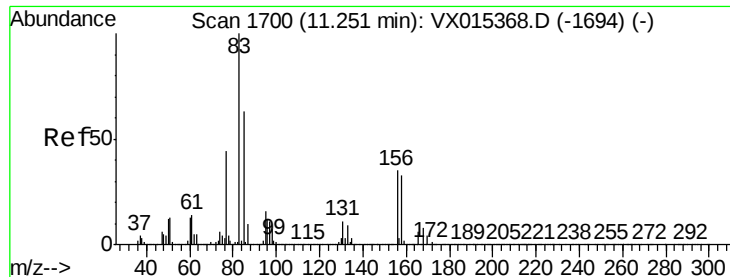
43 100

70 37.8 30.2 45.4

55 21.0 16.8 25.2

61 22.7 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 48.932 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

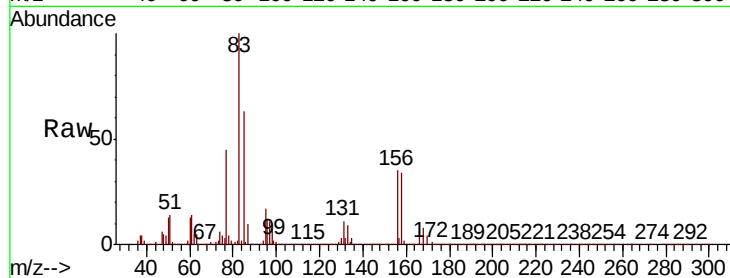
Tot Ion: 83 Resp: 891778

Ion Ratio Lower Upper

83 100

131 10.7 5.3 16.1

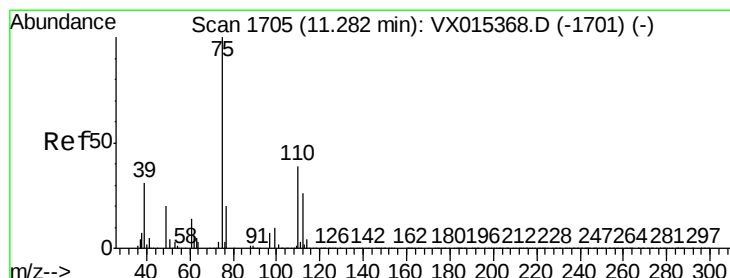
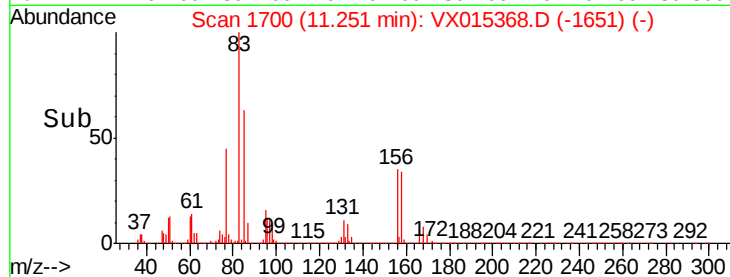
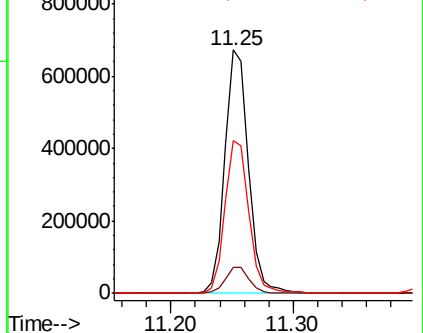
85 64.0 32.0 96.0



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: 67.290 ug/l

RT: 11.28 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VX015368.D

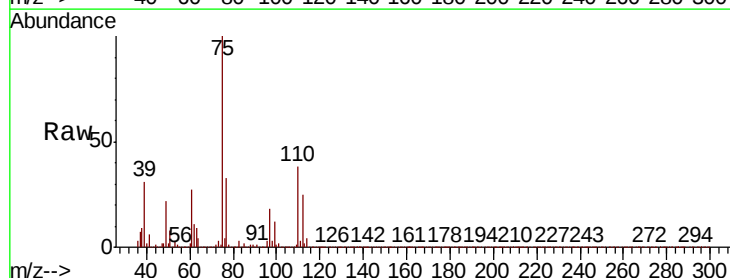
Acq: 26 Mar 2020 20:39

Tgt Ion: 75 Resp: 1107329

Ion Ratio Lower Upper

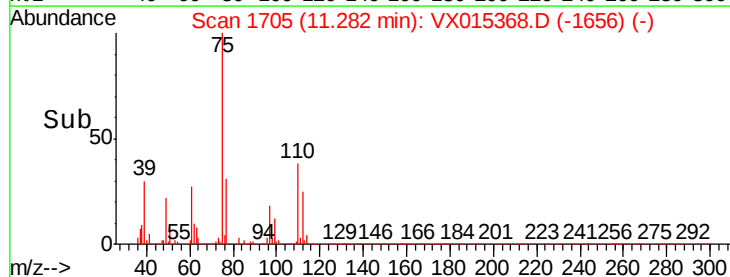
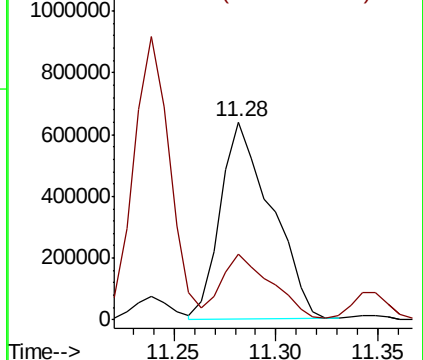
75 100

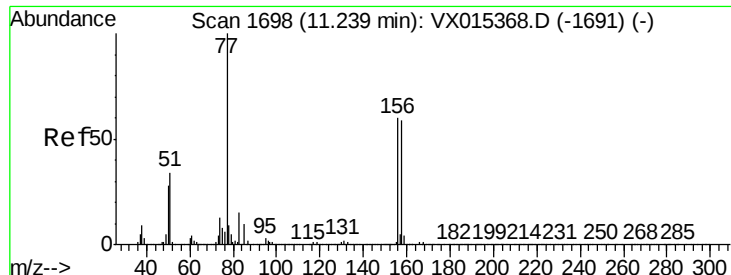
77 32.6 21.2 63.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.391 ug/l

RT: 11.24 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

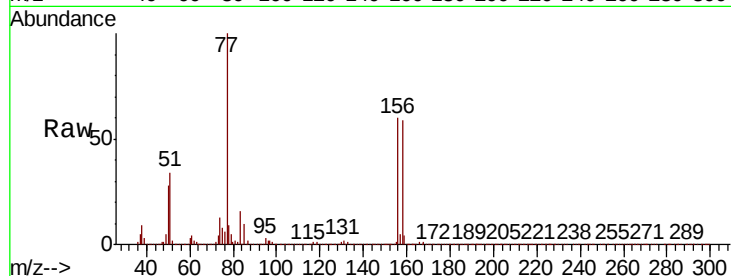
Tot Ion:156 Resp: 688546

Ion Ratio Lower Upper

156 100

77 164.3 82.2 246.5

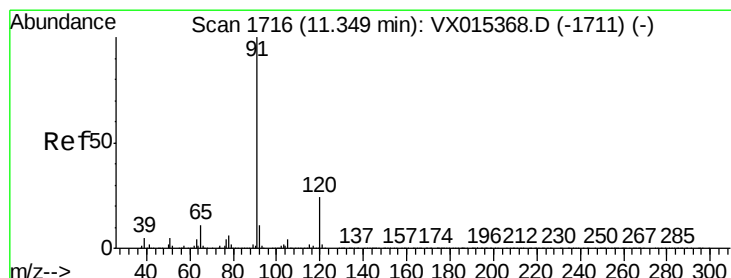
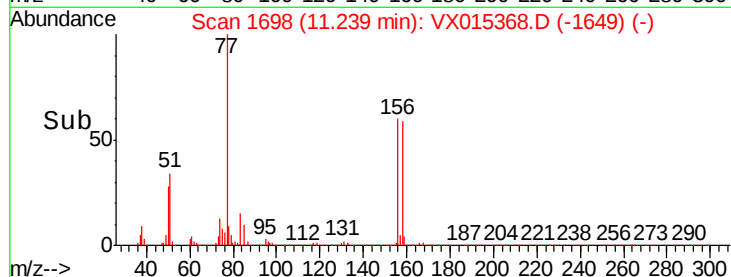
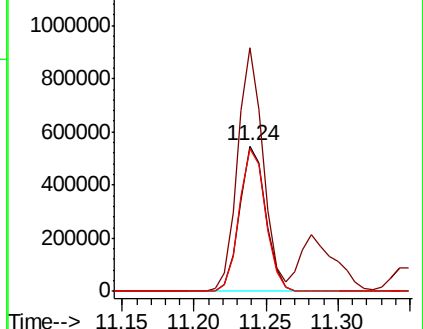
158 98.6 49.3 147.9



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: 42.504 ug/l

RT: 11.35 min Scan# 1716

Delta R.T. 0.00 min

Lab File: VX015368.D

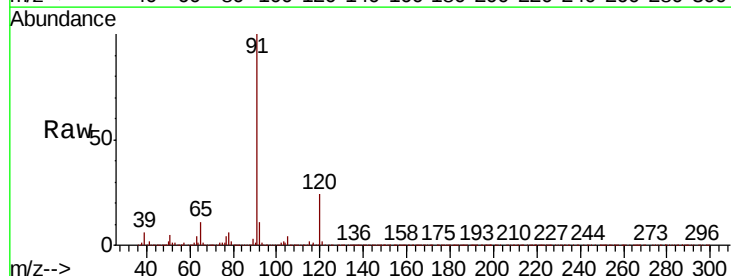
Acq: 26 Mar 2020 20:39

Tgt Ion: 91 Resp: 2720744

Ion Ratio Lower Upper

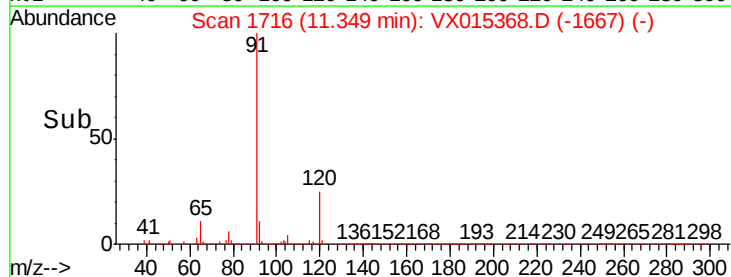
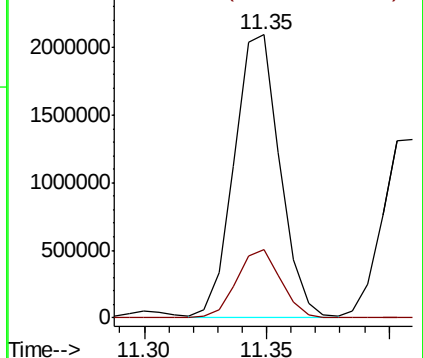
91 100

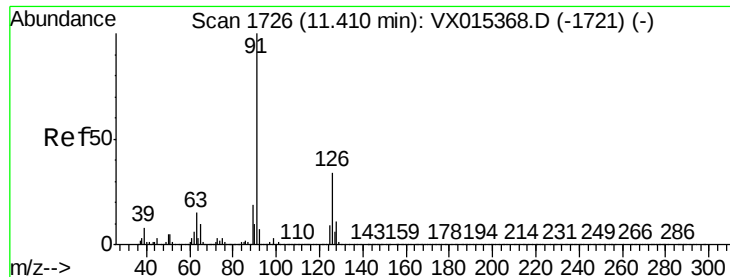
120 23.3 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 44.954 ug/l

RT: 11.41 min Scan# 1726

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

Instrument :

MSVOA\_X

ClientSampleId :

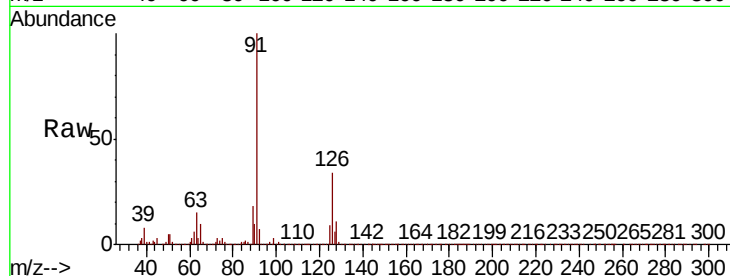
VSTDICCC050

Tot Ion: 91 Resp: 1751918

Ion Ratio Lower Upper

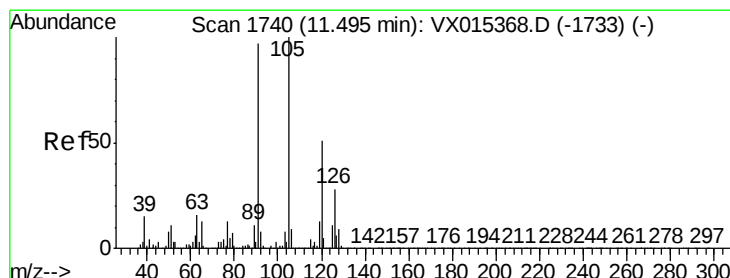
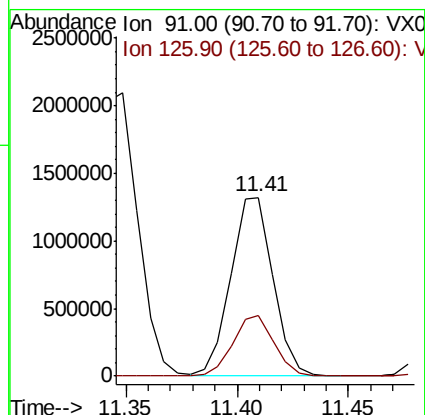
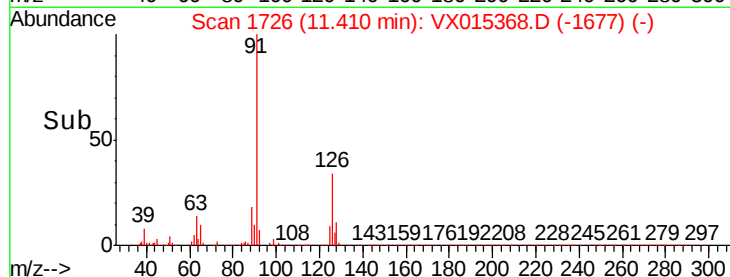
91 100

126 33.0 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VX015368.D (-1721) (-)

Ion 125.90 (125.60 to 126.60): VX015368.D (-1721) (-)



#80

1,3,5-Trimethylbenzene

Concen: 45.078 ug/l

RT: 11.49 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VX015368.D

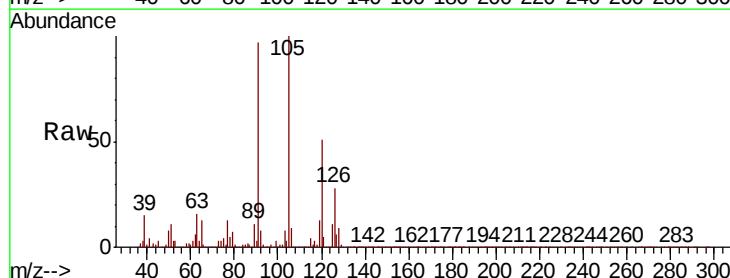
Acq: 26 Mar 2020 20:39

Tgt Ion: 105 Resp: 2075255

Ion Ratio Lower Upper

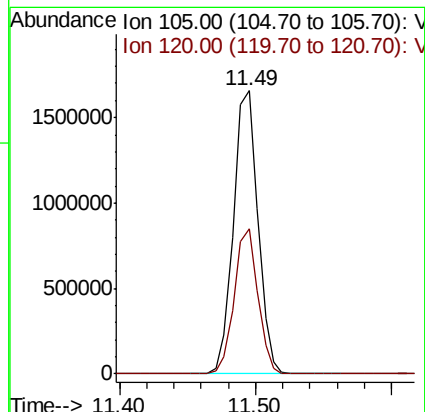
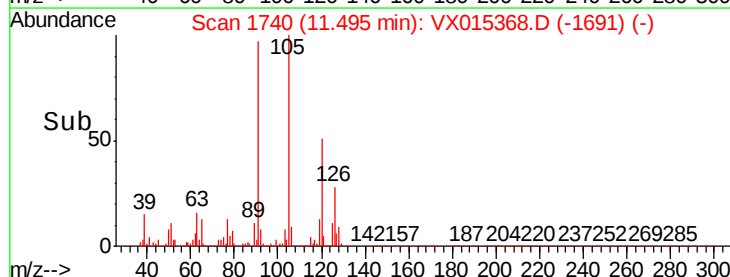
105 100

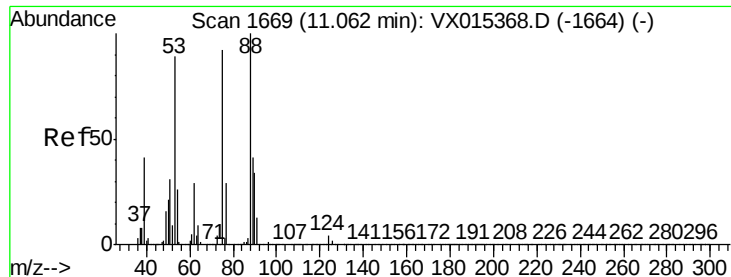
120 49.6 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VX015368.D (-1733) (-)

Ion 120.00 (119.70 to 120.70): VX015368.D (-1733) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 57.633 ug/l

RT: 11.06 min Scan# 1669

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

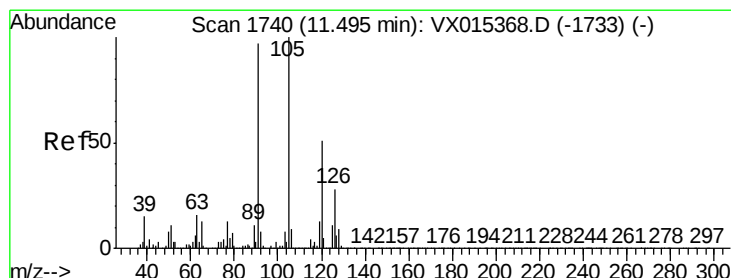
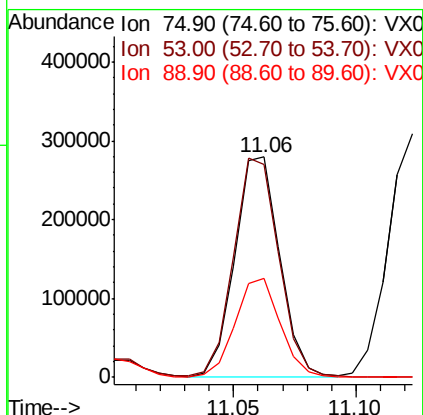
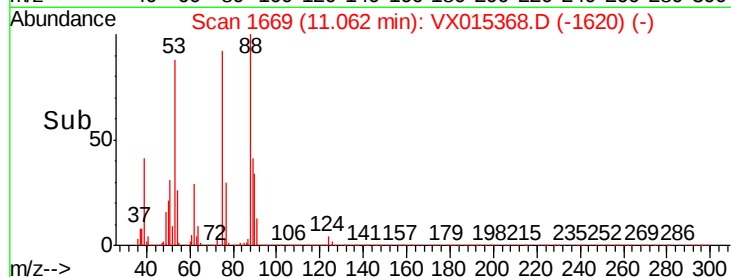
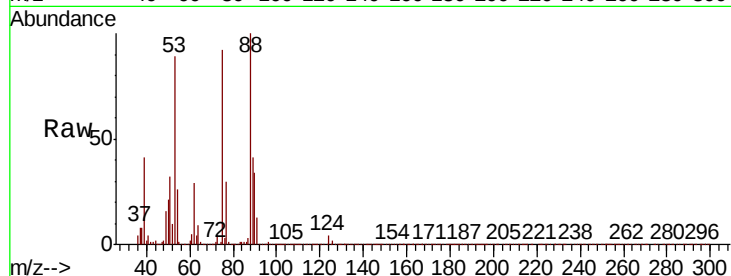
Tot Ion: 75 Resp: 354992

Ion Ratio Lower Upper

75 100

53 100.1 80.1 120.1

89 45.1 36.1 54.1



#82

4-Chlorotoluene

Concen: 46.348 ug/l

RT: 11.49 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VX015368.D

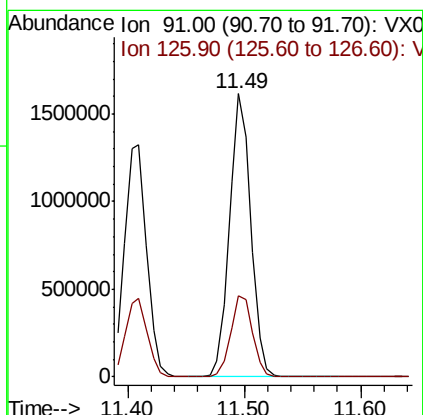
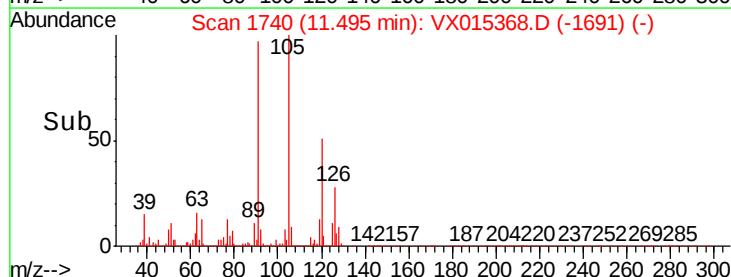
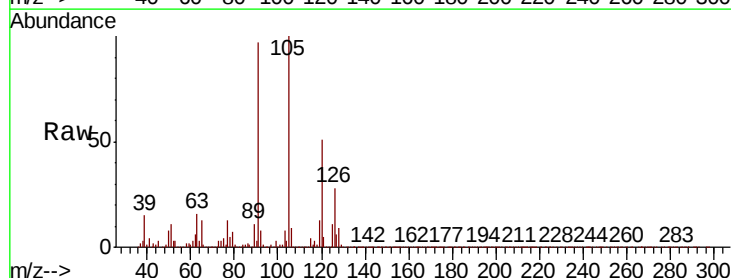
Acq: 26 Mar 2020 20:39

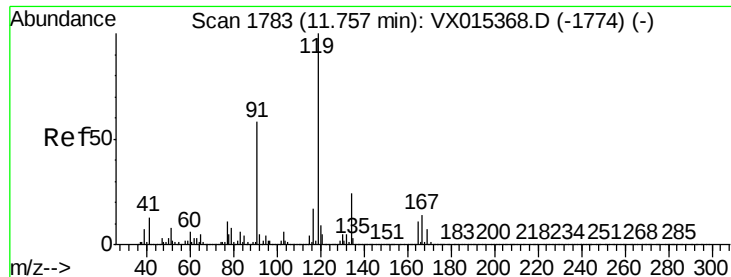
Tgt Ion: 91 Resp: 2050708

Ion Ratio Lower Upper

91 100

126 29.4 14.7 44.1

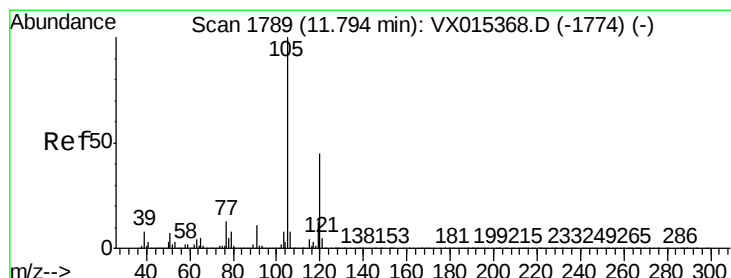
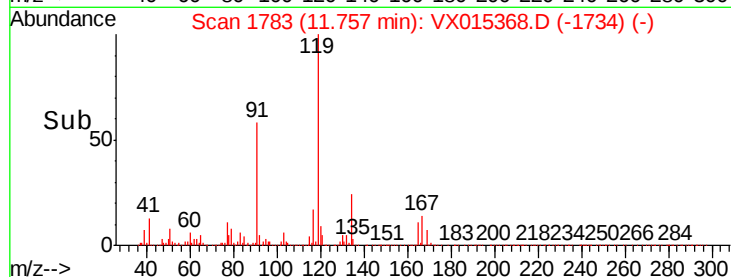
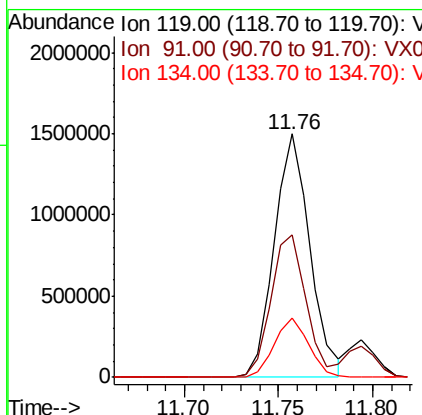
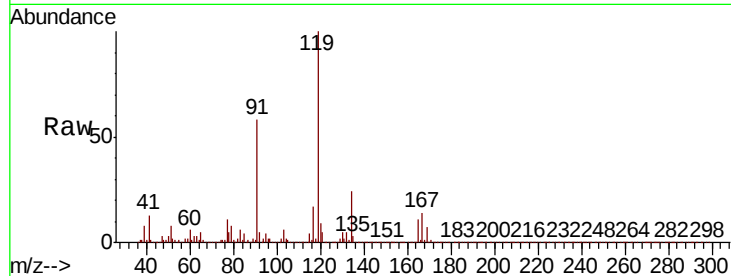




#83  
tert-Butylbenzene  
Concen: 43.575 ug/l  
RT: 11.76 min Scan# 1783  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

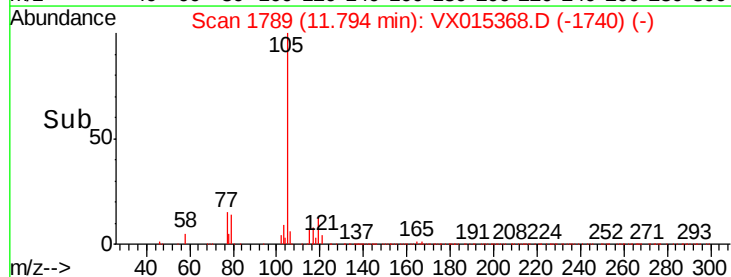
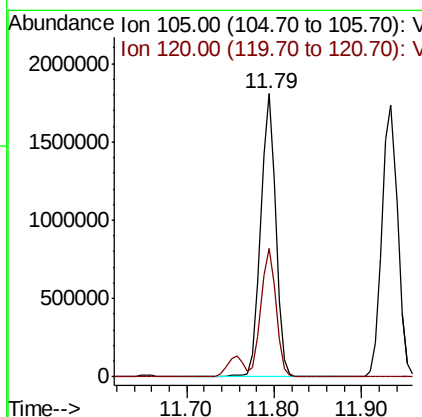
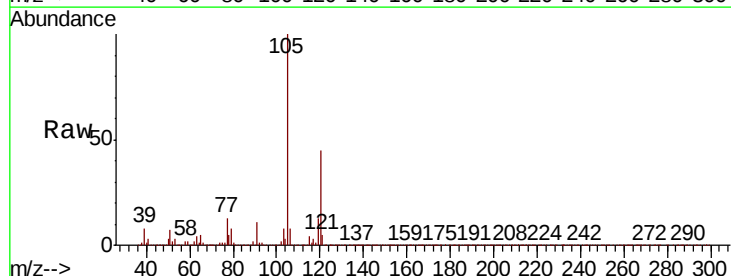
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

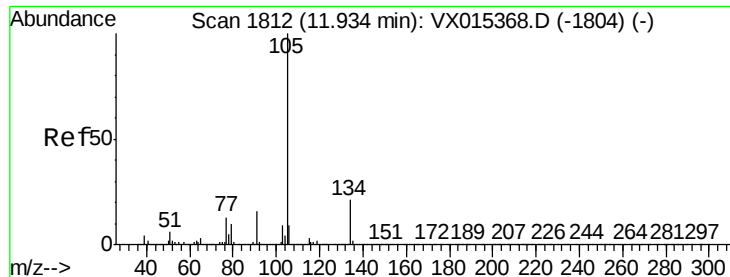
Tot Ion:119 Resp: 1969373  
Ion Ratio Lower Upper  
119 100  
91 57.2 28.6 85.8  
134 23.5 11.8 35.3



#84  
1,2,4-Trimethylbenzene  
Concen: 45.428 ug/l  
RT: 11.79 min Scan# 1789  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

Tgt Ion:105 Resp: 2161592  
Ion Ratio Lower Upper  
105 100  
120 45.4 22.7 68.1





#85

sec-Butylbenzene

Concen: 40.253 ug/l

RT: 11.93 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

Instrument :

MSVOA\_X

ClientSampleId :

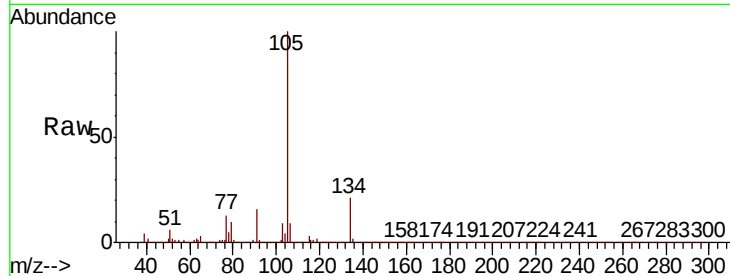
VSTDICCC050

Tot Ion:105 Resp: 2155007

Ion Ratio Lower Upper

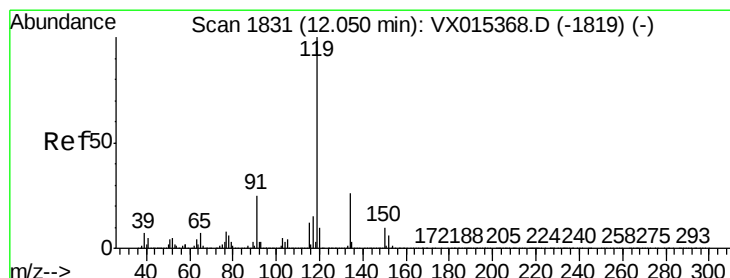
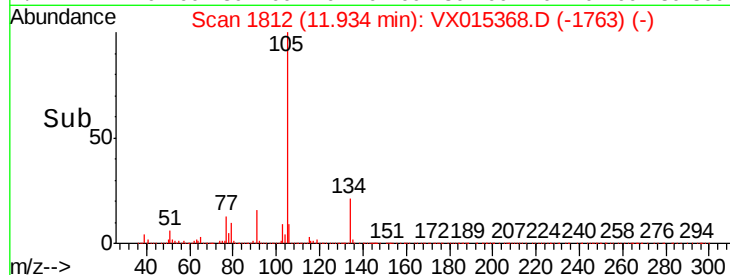
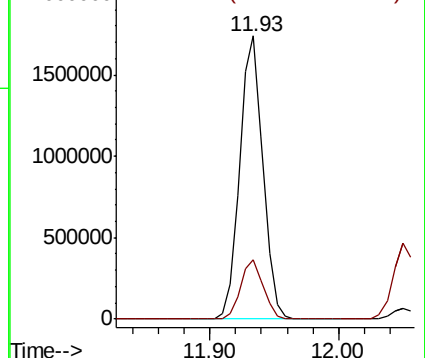
105 100

134 20.7 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 43.493 ug/l

RT: 12.05 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

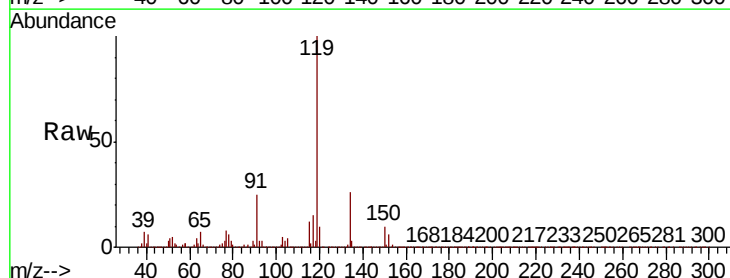
Tgt Ion:119 Resp: 2091111

Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

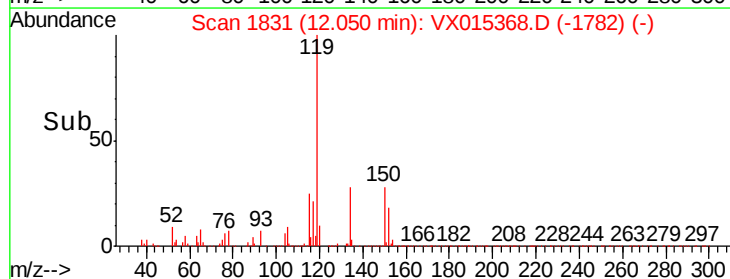
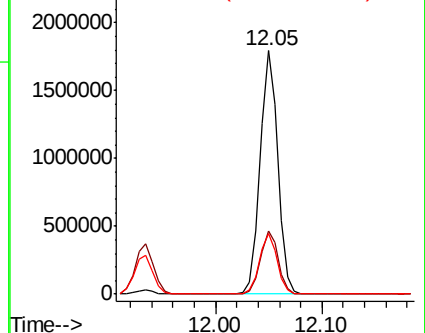
91 24.9 12.4 37.4

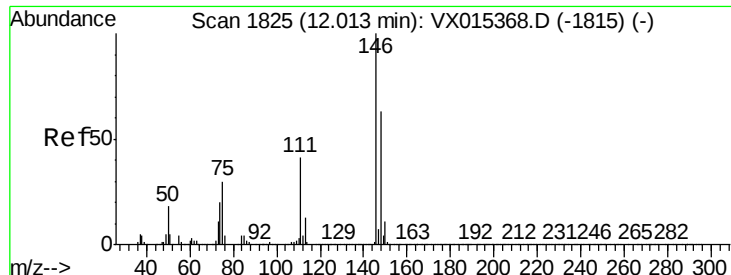


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

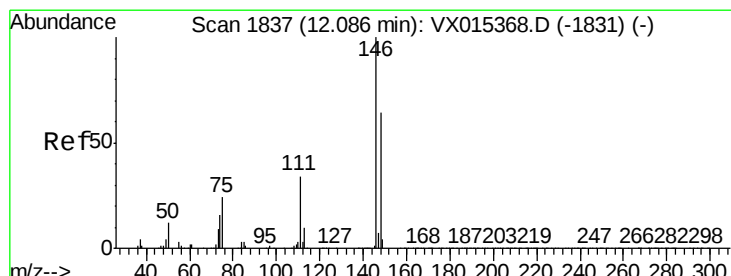
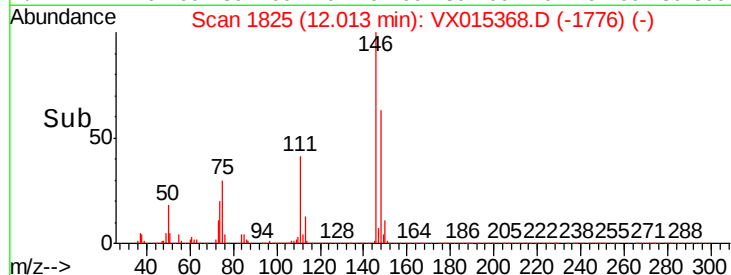
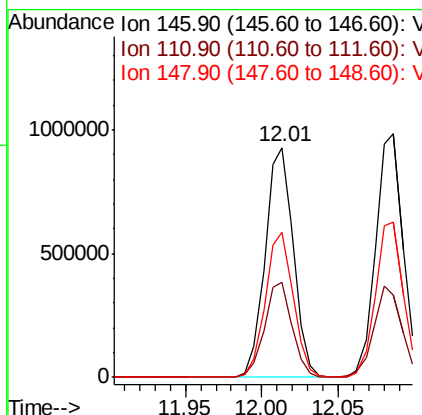
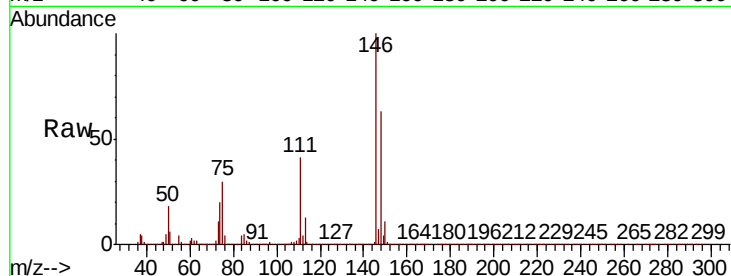




#87  
 1,3-Dichlorobenzene  
 Concen: 46.696 ug/l  
 RT: 12.01 min Scan# 1825  
 Delta R.T. 0.00 min  
 Lab File: VX015368.D  
 Acq: 26 Mar 2020 20:39

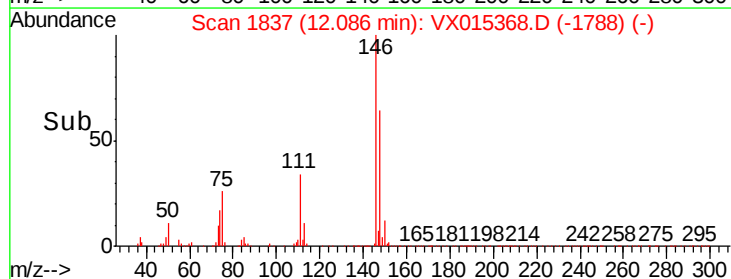
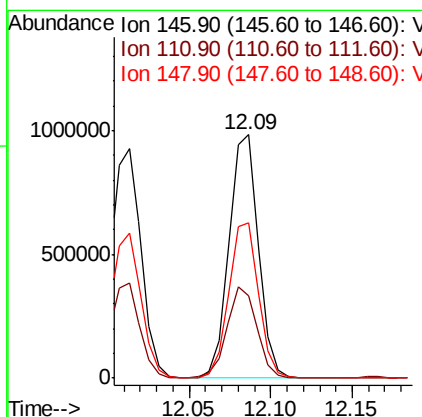
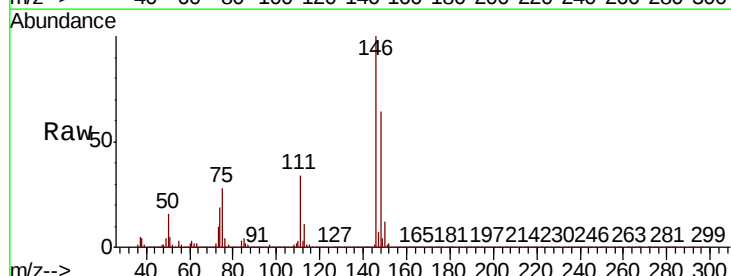
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

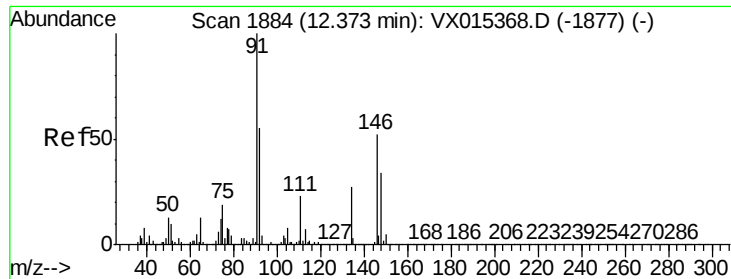
Tot Ion:146 Resp: 1195967  
 Ion Ratio Lower Upper  
 146 100  
 111 40.6 20.3 60.9  
 148 62.6 31.3 93.9



#88  
 1,4-Dichlorobenzene  
 Concen: 45.525 ug/l  
 RT: 12.09 min Scan# 1837  
 Delta R.T. 0.00 min  
 Lab File: VX015368.D  
 Acq: 26 Mar 2020 20:39

Tgt Ion:146 Resp: 1221989  
 Ion Ratio Lower Upper  
 146 100  
 111 38.3 19.1 57.5  
 148 64.8 32.4 97.2

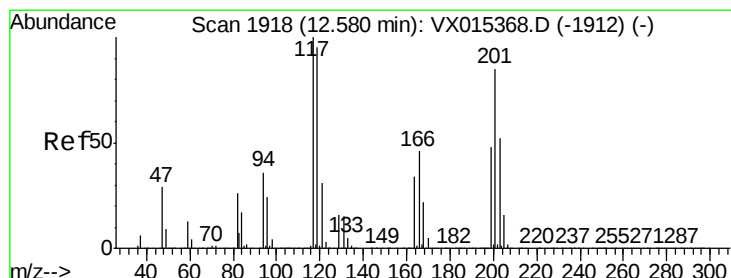
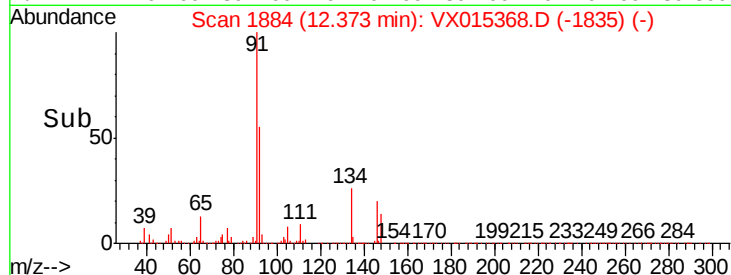
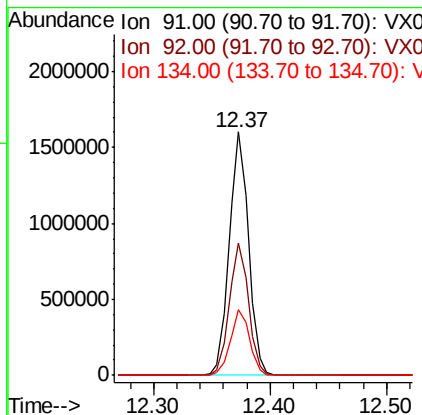
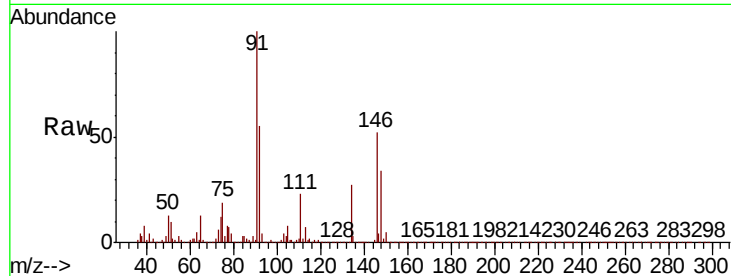




#89  
n-Butylbenzene  
Concen: 40.543 ug/l  
RT: 12.37 min Scan# 1884  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

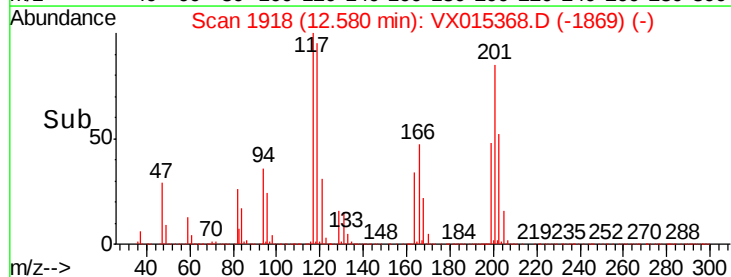
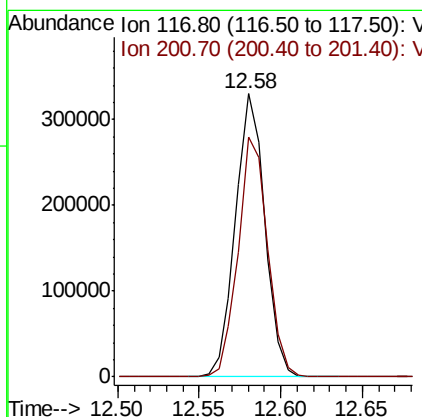
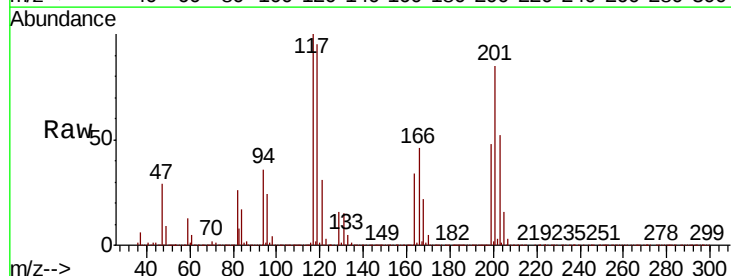
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

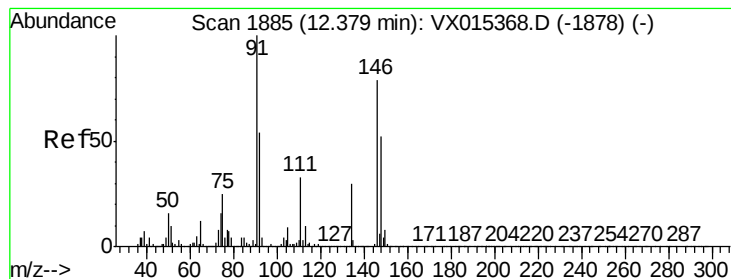
Tot Ion: 91 Resp: 1833754  
Ion Ratio Lower Upper  
91 100  
92 54.3 27.2 81.5  
134 26.8 13.4 40.2



#90  
Hexachloroethane  
Concen: 43.832 ug/l  
RT: 12.58 min Scan# 1918  
Delta R.T. 0.00 min  
Lab File: VX015368.D  
Acq: 26 Mar 2020 20:39

Tgt Ion: 117 Resp: 413889  
Ion Ratio Lower Upper  
117 100  
201 85.3 42.6 128.0





#91

1,2-Dichlorobenzene

Concen: 46.699 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

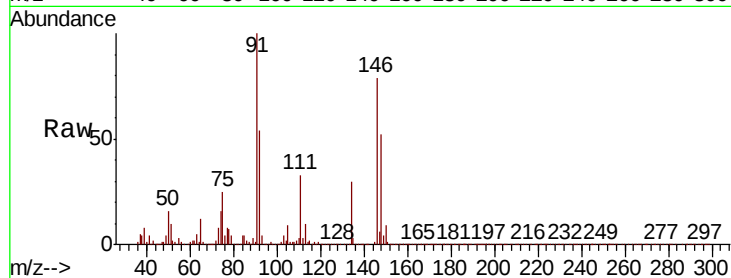
Tot Ion:146 Resp: 1198588

Ion Ratio Lower Upper

146 100

111 42.0 21.0 63.0

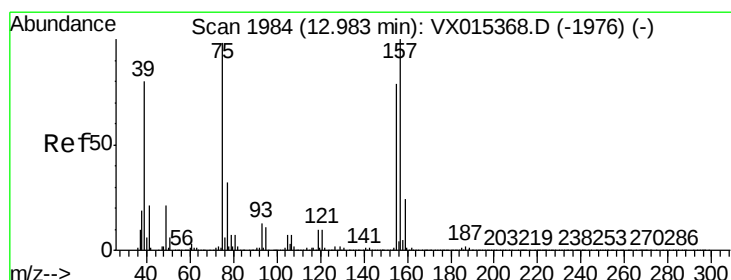
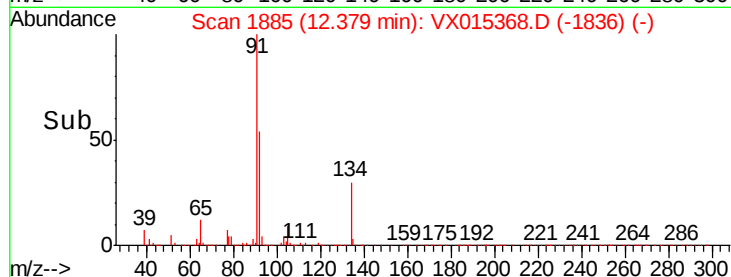
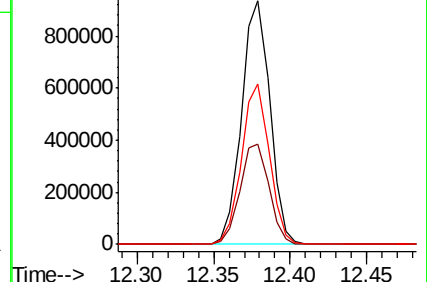
148 64.7 32.4 97.0



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: 59.241 ug/l

RT: 12.98 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

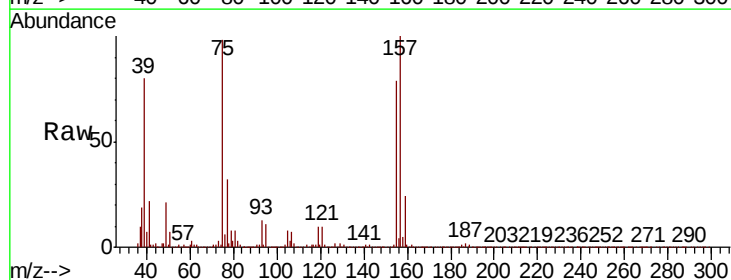
Tgt Ion: 75 Resp: 242157

Ion Ratio Lower Upper

75 100

155 85.6 42.8 128.4

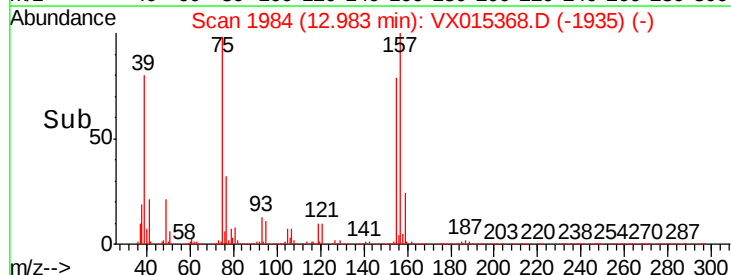
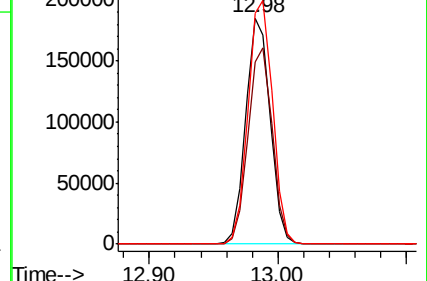
157 106.9 53.4 160.3

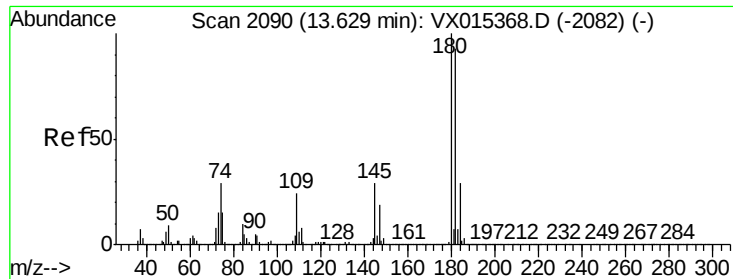


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

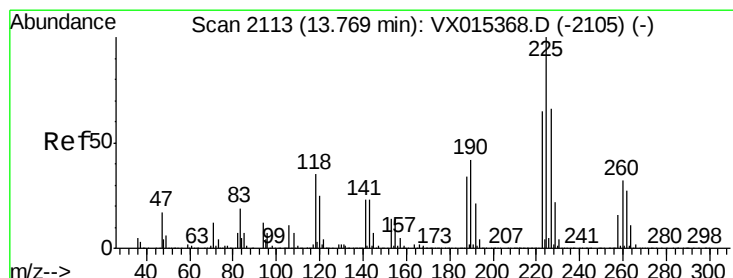
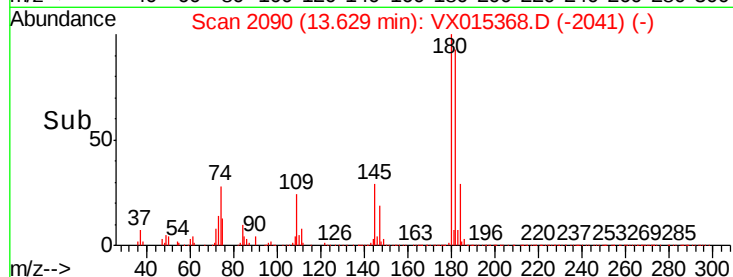
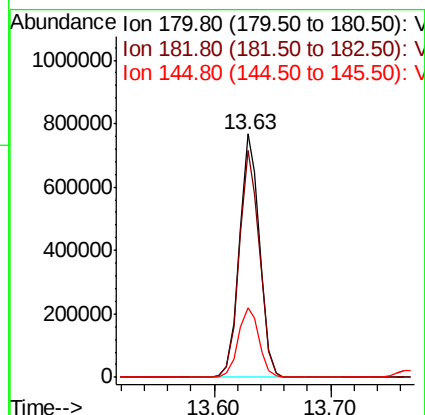
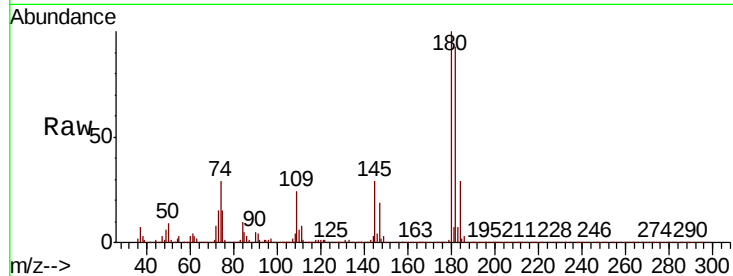




#93  
 1,2,4-Trichlorobenzene  
 Concen: 57.225 ug/l  
 RT: 13.63 min Scan# 2090  
 Delta R.T. 0.00 min  
 Lab File: VX015368.D  
 Acq: 26 Mar 2020 20:39

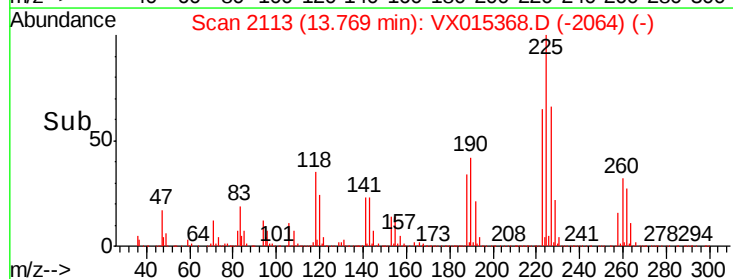
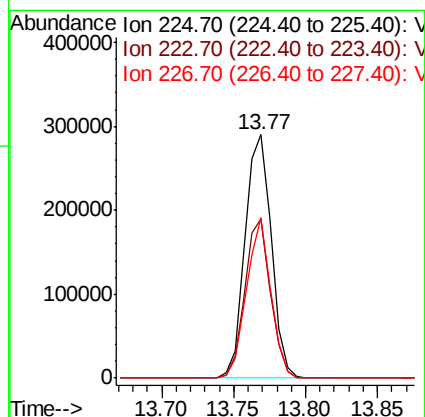
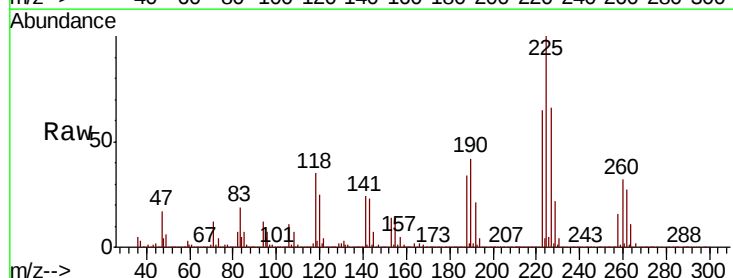
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

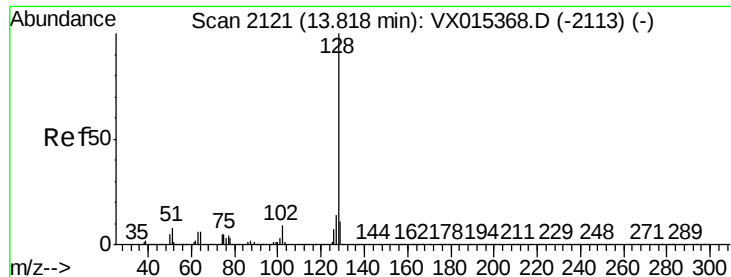
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.8  | 46.9  | 140.7 |
| 145     | 29.7  | 14.9  | 44.5  |



#94  
 Hexachlorobutadiene  
 Concen: 53.965 ug/l  
 RT: 13.77 min Scan# 2113  
 Delta R.T. 0.00 min  
 Lab File: VX015368.D  
 Acq: 26 Mar 2020 20:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.8  | 31.9  | 95.7  |
| 227     | 60.9  | 30.4  | 91.3  |





#95

Naphthalene

Concen: 57.663 ug/l

RT: 13.82 min Scan# 2121

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

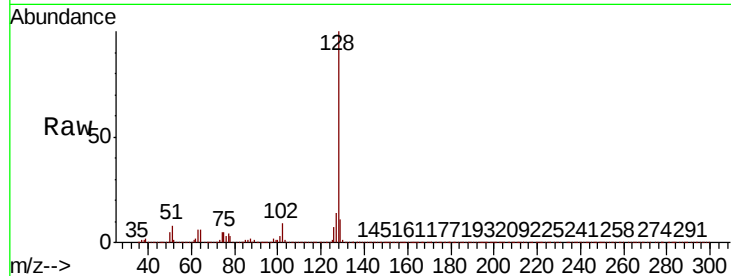
Tot Ion:128 Resp: 3006494

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

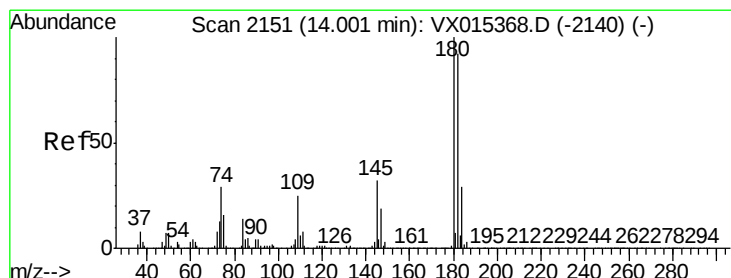
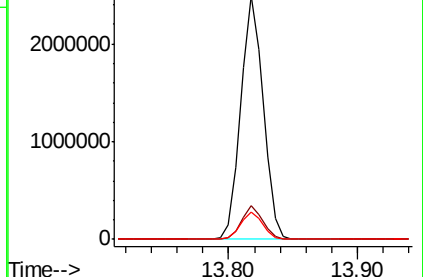
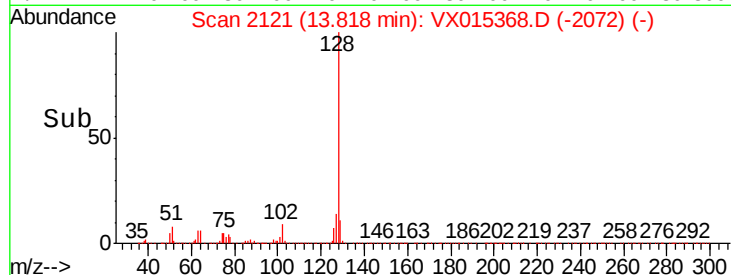
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 59.125 ug/l

RT: 14.00 min Scan# 2151

Delta R.T. 0.00 min

Lab File: VX015368.D

Acq: 26 Mar 2020 20:39

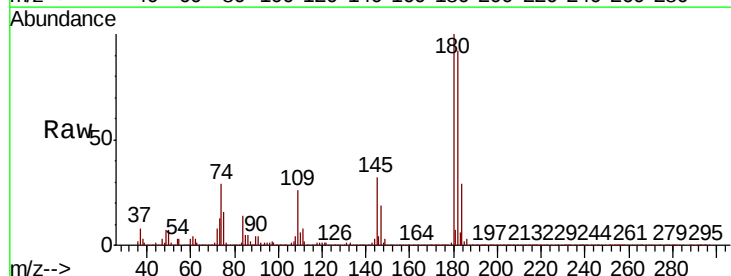
Tgt Ion:180 Resp: 931774

Ion Ratio Lower Upper

180 100

182 93.3 46.7 140.0

145 31.5 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

