

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111219\  
 Data File : VX013396.D  
 Acq On : 12 Nov 2019 19:34  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 13 02:44:04 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X103119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 02 07:06:38 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 710422   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 1084206  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 989859   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 495408   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 418477   | 49.72 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.44%  |          |
| 35) Dibromofluoromethane    | 5.48  | 113  | 349996   | 51.47 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.94% |          |
| 50) Toluene-d8              | 8.71  | 98   | 1323207  | 51.61 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.22% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 477789   | 51.64 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.28% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85   | 375841   | 45.915  | ug/l  | 99     |
| 3) Chloromethane              | 1.31 | 50   | 426430   | 48.040  | ug/l  | 99     |
| 4) Vinyl Chloride             | 1.40 | 62   | 485601   | 48.052  | ug/l  | 99     |
| 5) Bromomethane               | 1.62 | 94   | 296162   | 42.054  | ug/l  | 98     |
| 6) Chloroethane               | 1.71 | 64   | 265658   | 45.889  | ug/l  | 99     |
| 7) Trichlorofluoromethane     | 1.92 | 101  | 532238   | 44.578  | ug/l  | 100    |
| 8) Diethyl Ether              | 2.18 | 74   | 246041   | 46.601  | ug/l  | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101  | 326820   | 49.112  | ug/l  | 100    |
| 10) Methyl Iodide             | 2.50 | 142  | 420974   | 51.096  | ug/l  | 98     |
| 11) Tert butyl alcohol        | 3.03 | 59   | 489536   | 220.679 | ug/l  | 100    |
| 12) 1,1-Dichloroethene        | 2.36 | 96   | 329798   | 50.609  | ug/l  | 99     |
| 13) Acrolein                  | 2.28 | 56   | 307342   | 255.636 | ug/l  | 98     |
| 14) Allyl chloride            | 2.72 | 41   | 613259   | 51.794  | ug/l  | 96     |
| 15) Acrylonitrile             | 3.13 | 53   | 1038714  | 250.672 | ug/l  | 99     |
| 16) Acetone                   | 2.43 | 43   | 944815   | 225.064 | ug/l  | 99     |
| 17) Carbon Disulfide          | 2.56 | 76   | 834959   | 47.871  | ug/l  | 100    |
| 18) Methyl Acetate            | 2.76 | 43   | 607663   | 52.431  | ug/l  | 99     |
| 19) Methyl tert-butyl Ether   | 3.18 | 73   | 1134390  | 52.192  | ug/l  | 96     |
| 20) Methylene Chloride        | 2.84 | 84   | 374861   | 48.330  | ug/l  | 98     |
| 21) trans-1,2-Dichloroethene  | 3.15 | 96   | 351450   | 49.532  | ug/l  | 97     |
| 22) Diisopropyl ether         | 3.84 | 45   | 1214907  | 53.147  | ug/l  | 91     |
| 23) Vinyl Acetate             | 3.80 | 43   | 5000672  | 255.651 | ug/l  | 98     |
| 24) 1,1-Dichloroethane        | 3.69 | 63   | 657034   | 51.381  | ug/l  | 99     |
| 25) 2-Butanone                | 4.65 | 43   | 1510282  | 245.235 | ug/l  | 100    |
| 26) 2,2-Dichloropropane       | 4.57 | 77   | 513220   | 50.450  | ug/l  | 98     |
| 27) cis-1,2-Dichloroethene    | 4.58 | 96   | 413700   | 52.049  | ug/l  | 99     |
| 28) Bromochloromethane        | 5.00 | 49   | 182015   | 50.131  | ug/l  | 98     |
| 29) Tetrahydrofuran           | 5.11 | 42   | 946511   | 249.402 | ug/l  | 99     |
| 30) Chloroform                | 5.20 | 83   | 642410   | 50.876  | ug/l  | 96     |
| 31) Cyclohexane               | 5.57 | 56   | 573279   | 49.822  | ug/l  | 99     |
| 32) 1,1,1-Trichloroethane     | 5.48 | 97   | 543023   | 49.971  | ug/l  | 100    |
| 36) 1,1-Dichloropropene       | 5.79 | 75   | 476752   | 51.257  | ug/l  | 99     |
| 37) Ethyl Acetate             | 4.81 | 43   | 573264   | 49.879  | ug/l  | 100    |
| 38) Carbon Tetrachloride      | 5.77 | 117  | 470232   | 51.700  | ug/l  | 99     |

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Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 13 02:44:04 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X103119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 02 07:06:38 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units | Dev(Min) |
|--------------------------------|-------|------|----------|----------|-------|----------|
| 39) Methylcyclohexane          | 7.45  | 83   | 578682   | 49.932   | ug/l  | 99       |
| 40) Benzene                    | 6.13  | 78   | 1480886  | 51.113   | ug/l  | 98       |
| 41) Methacrylonitrile          | 5.03  | 41   | 326472   | 50.680   | ug/l  | 97       |
| 42) 1,2-Dichloroethane         | 6.18  | 62   | 523003   | 50.045   | ug/l  | 99       |
| 43) Isopropyl Acetate          | 6.43  | 43   | 919984   | 51.405   | ug/l  | 99       |
| 44) Trichloroethene            | 7.20  | 130  | 392576   | 49.225   | ug/l  | 98       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 382978   | 51.879   | ug/l  | 99       |
| 46) Dibromomethane             | 7.65  | 93   | 248237   | 49.250   | ug/l  | 96       |
| 47) Bromodichloromethane       | 7.89  | 83   | 499880   | 52.594   | ug/l  | 95       |
| 48) Methyl methacrylate        | 7.76  | 41   | 461830   | 51.695   | ug/l  | 98       |
| 49) 1,4-Dioxane                | 7.73  | 88   | 206880   | 1011.188 | ug/l  | 99       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 2939791  | 250.369  | ug/l  | 99       |
| 52) Toluene                    | 8.78  | 92   | 934981   | 52.067   | ug/l  | 98       |
| 53) t-1,3-Dichloropropene      | 9.03  | 75   | 564303   | 54.296   | ug/l  | 99       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 618090   | 53.165   | ug/l  | 97       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 389751   | 52.364   | ug/l  | 100      |
| 56) Ethyl methacrylate         | 9.17  | 69   | 627373   | 49.393   | ug/l  | 97       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 648976   | 51.364   | ug/l  | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 1277254  | 250.974  | ug/l  | 100      |
| 59) 2-Hexanone                 | 9.48  | 43   | 2278222  | 251.076  | ug/l  | 99       |
| 60) Dibromochloromethane       | 9.57  | 129  | 413433   | 54.312   | ug/l  | 98       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 405716   | 51.333   | ug/l  | 100      |
| 64) Tetrachloroethene          | 9.33  | 164  | 349888   | 49.377   | ug/l  | 97       |
| 65) Chlorobenzene              | 10.14 | 112  | 1015464  | 50.671   | ug/l  | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 380461   | 51.705   | ug/l  | 100      |
| 67) Ethyl Benzene              | 10.25 | 91   | 1776599  | 51.366   | ug/l  | 99       |
| 68) m/p-Xylenes                | 10.35 | 106  | 1363825  | 104.263  | ug/l  | 99       |
| 69) o-Xylene                   | 10.70 | 106  | 659311   | 51.483   | ug/l  | 99       |
| 70) Styrene                    | 10.71 | 104  | 1147272  | 53.593   | ug/l  | 98       |
| 71) Bromoform                  | 10.85 | 173  | 324397   | 47.705   | ug/l  | 100      |
| 73) Isopropylbenzene           | 11.01 | 105  | 1763687  | 53.695   | ug/l  | 100      |
| 74) N-amyl acetate             | 10.89 | 43   | 840647   | 55.191   | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 626099   | 52.250   | ug/l  | 100      |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 700838   | 69.649   | ug/l  | 80       |
| 77) Bromobenzene               | 11.25 | 156  | 460497   | 52.590   | ug/l  | 99       |
| 78) n-propylbenzene            | 11.35 | 91   | 1994833  | 54.520   | ug/l  | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 1168456  | 53.004   | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 1470687  | 53.755   | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 205905   | 52.671   | ug/l  | 98       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 1355430  | 52.525   | ug/l  | 99       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 1504032  | 54.611   | ug/l  | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 1476980  | 53.815   | ug/l  | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 1718482  | 54.292   | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 1590926  | 54.584   | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 812224   | 52.038   | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 814225   | 51.201   | ug/l  | 100      |
| 89) n-Butylbenzene             | 12.39 | 91   | 1381982  | 54.339   | ug/l  | 100      |
| 90) Hexachloroethane           | 12.59 | 117  | 286443   | 55.159   | ug/l  | 99       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 824758   | 52.862   | ug/l  | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 137312   | 47.034   | ug/l  | 99       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Nov 13 02:44:04 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X103119W.M  
Quant Title : SW846 8260  
QLast Update : Sat Nov 02 07:06:38 2019  
Response via : Initial Calibration

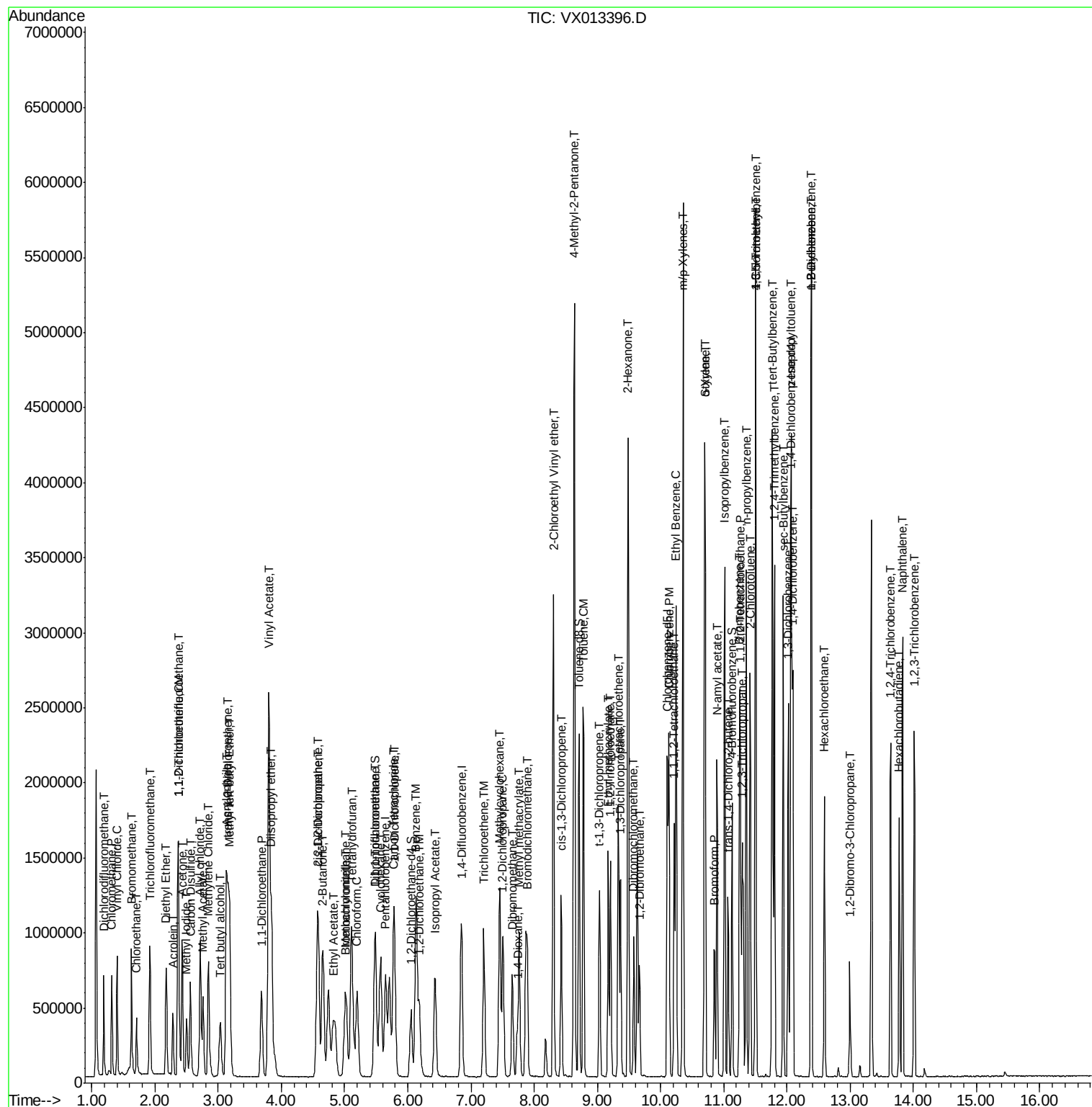
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.64 | 180  | 578947   | 53.197 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 261148   | 49.047 | ug/l  | 97       |
| 95) Naphthalene            | 13.83 | 128  | 1820077  | 53.303 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 574405   | 52.628 | ug/l  | 99       |

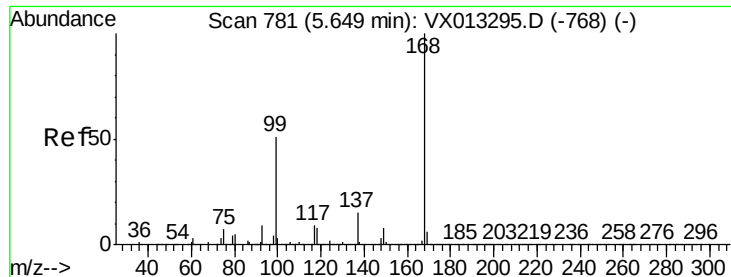
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111219\  
Data File : VX013396.D  
Acq On : 12 Nov 2019 19:34  
Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Nov 13 02:44:04 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X103119W.M  
Quant Title : SW846 8260  
QLast Update : Sat Nov 02 07:06:38 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

Instrument :

MSVOA\_X

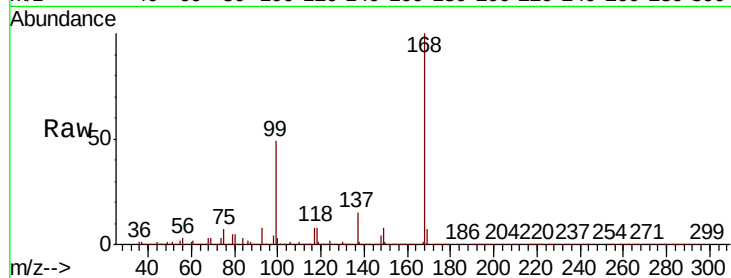
ClientSampled :

Tot Ion:168 Resp: 710422

Ion Ratio Lower Upper

168 100

99 49.1 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

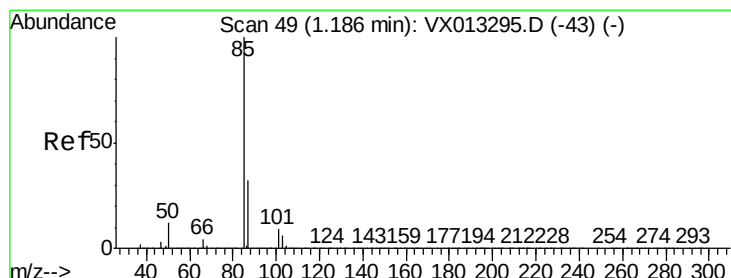
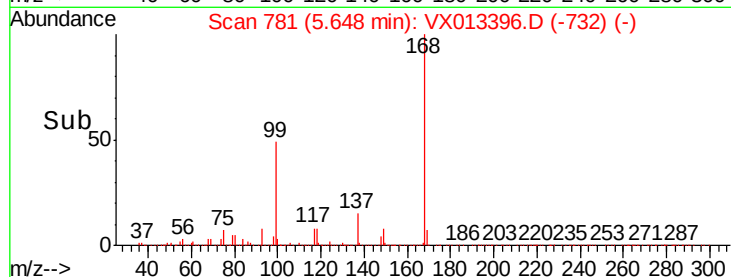
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.915 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX013396.D

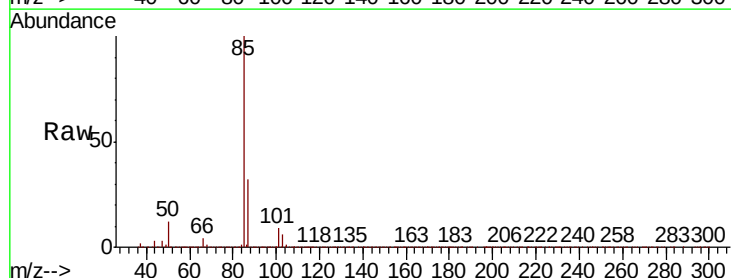
Acq: 12 Nov 2019 19:34

Tgt Ion: 85 Resp: 375841

Ion Ratio Lower Upper

85 100

87 32.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

400000

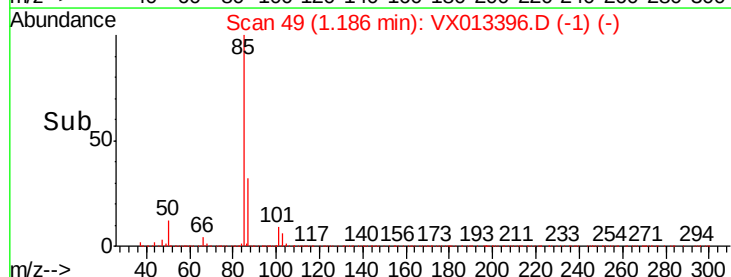
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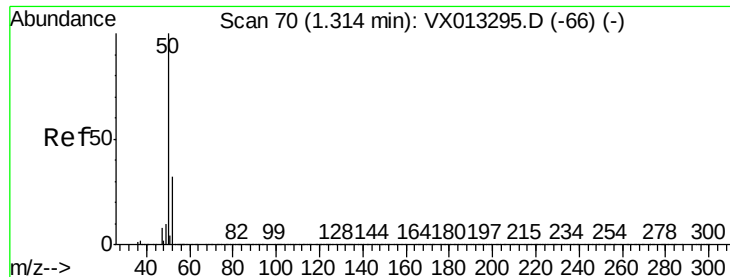
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Time-->

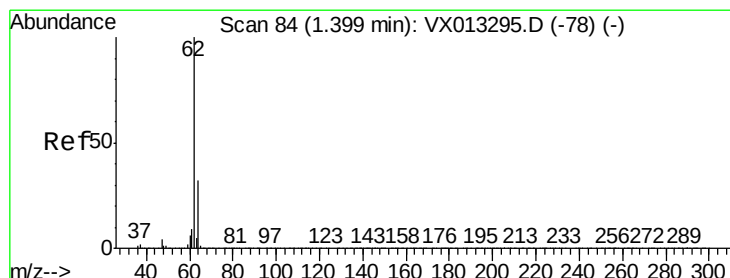
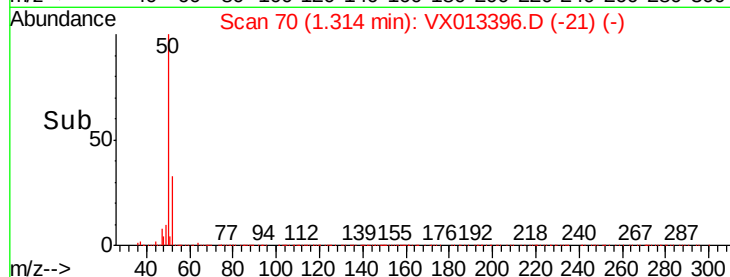
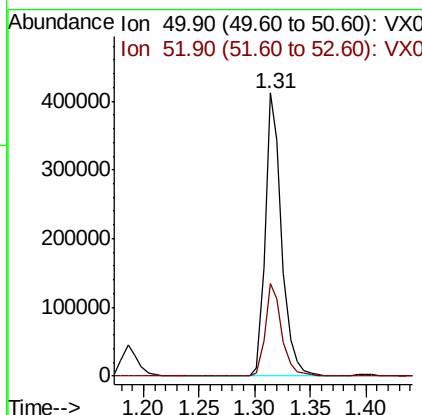
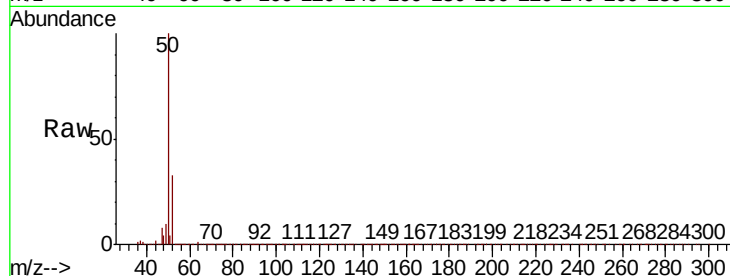




#3  
Chloromethane  
Concen: 48.040 ug/l  
RT: 1.31 min Scan# 70  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

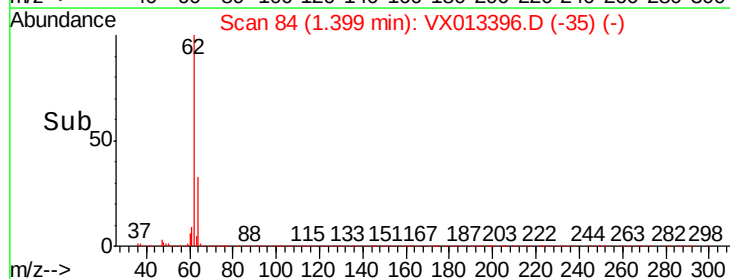
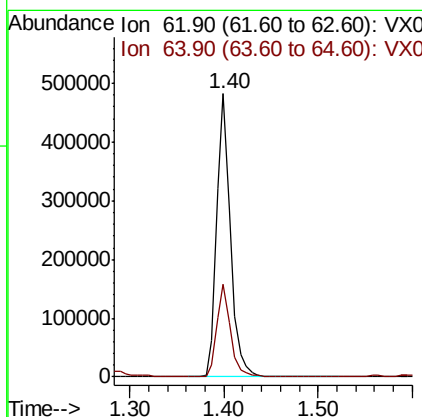
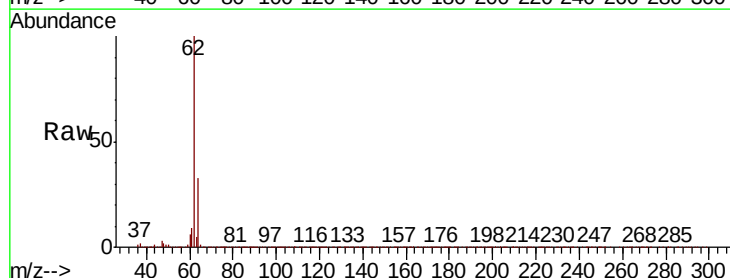
Instrument :  
MSVOA\_X  
ClientSampleId :

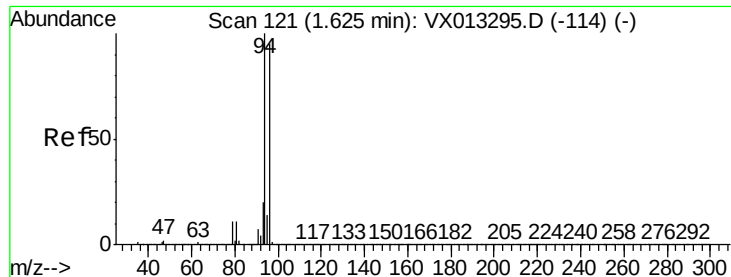
Tot Ion: 50 Resp: 426430  
Ion Ratio Lower Upper  
50 100  
52 32.6 25.5 38.3



#4  
Vinyl Chloride  
Concen: 48.052 ug/l  
RT: 1.40 min Scan# 84  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

Tgt Ion: 62 Resp: 485601  
Ion Ratio Lower Upper  
62 100  
64 32.4 25.6 38.4





#5

Bromomethane

Concen: 42.054 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

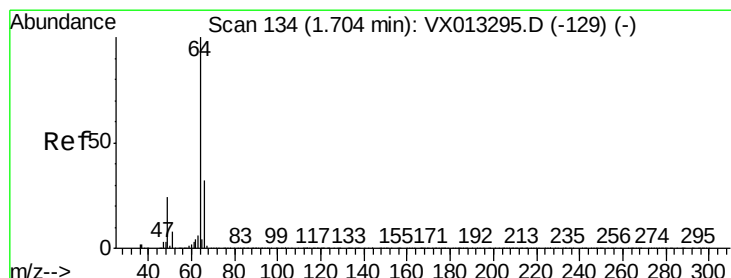
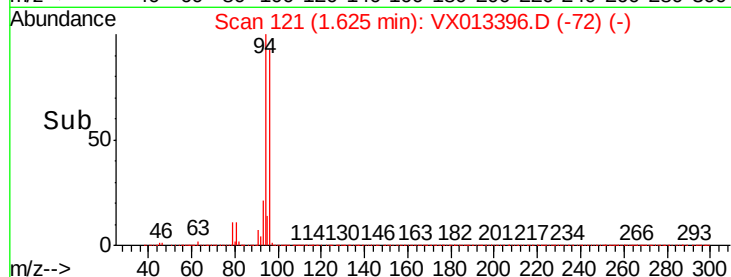
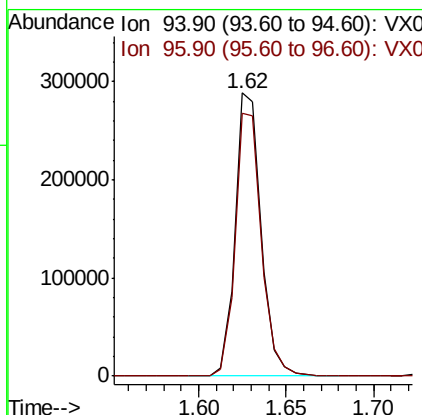
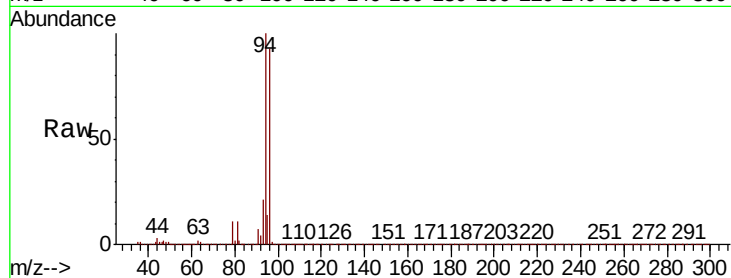
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 94 Resp: 296162

Ion Ratio Lower Upper

94 100

96 93.0 75.8 113.8



#6

Chloroethane

Concen: 45.889 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX013396.D

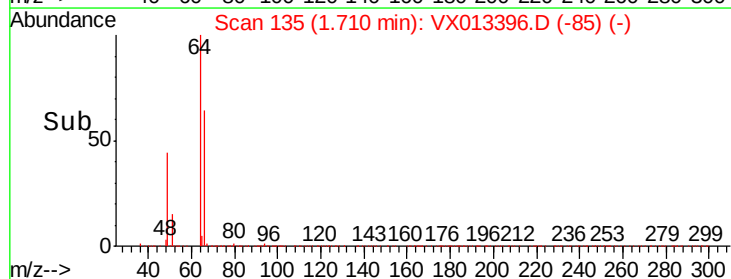
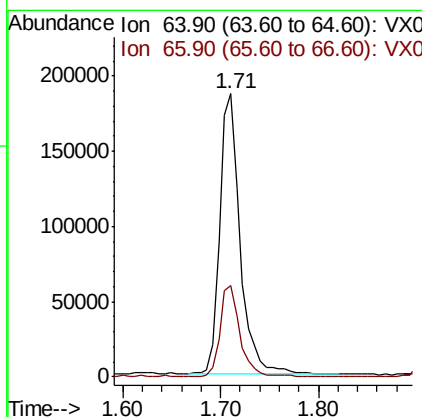
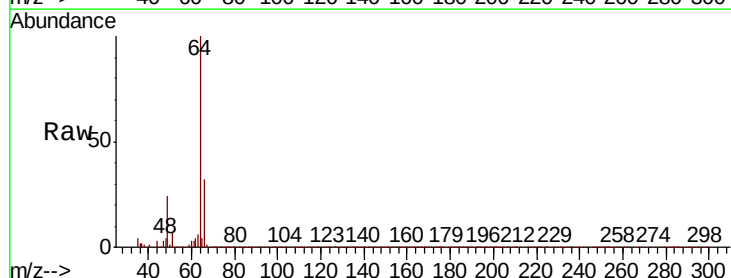
Acq: 12 Nov 2019 19:34

Tgt Ion: 64 Resp: 265658

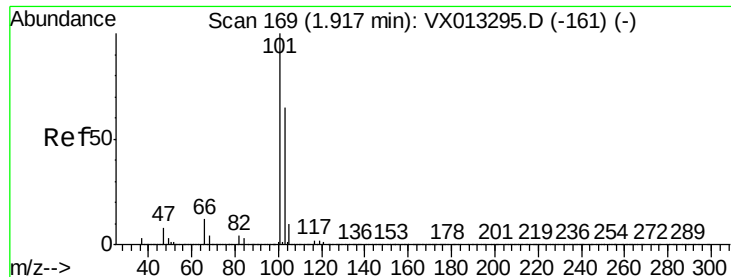
Ion Ratio Lower Upper

64 100

66 32.4 25.6 38.4





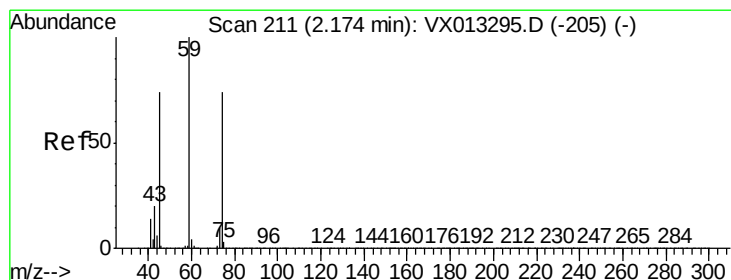
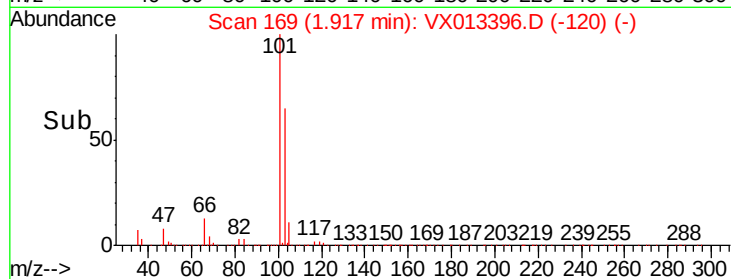
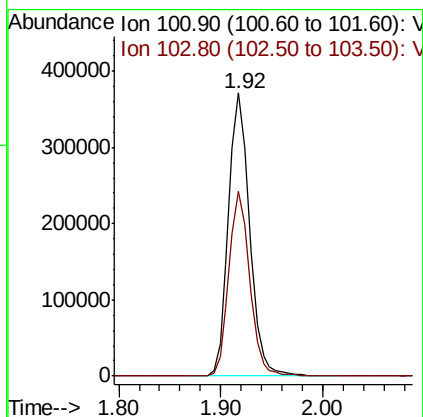
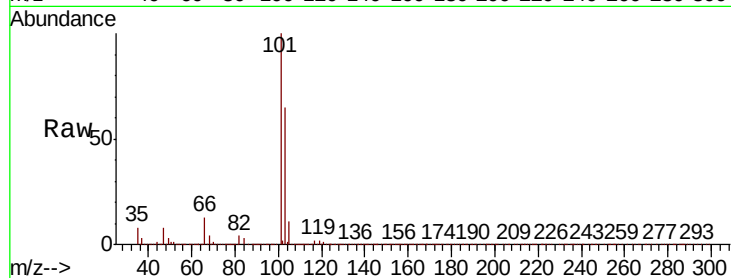


#7

Trichlorofluoromethane  
Concen: 44.578 ug/l  
RT: 1.92 min Scan# 169  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

Instrument :  
MSVOA\_X  
ClientSampled :

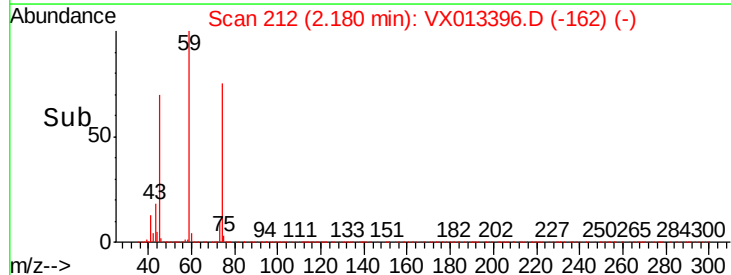
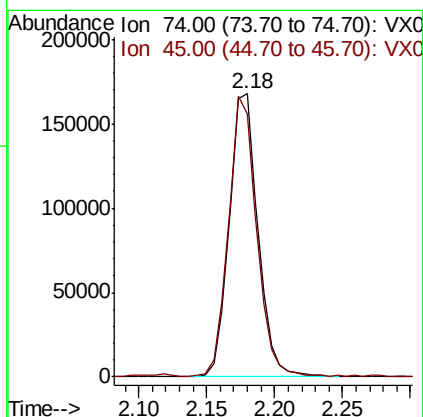
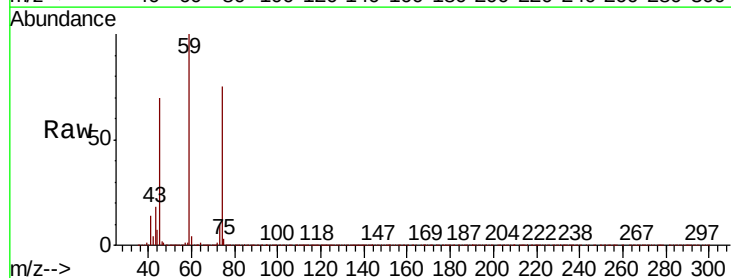
Tot Ion:101 Resp: 532238  
Ion Ratio Lower Upper  
101 100  
103 65.3 52.3 78.5



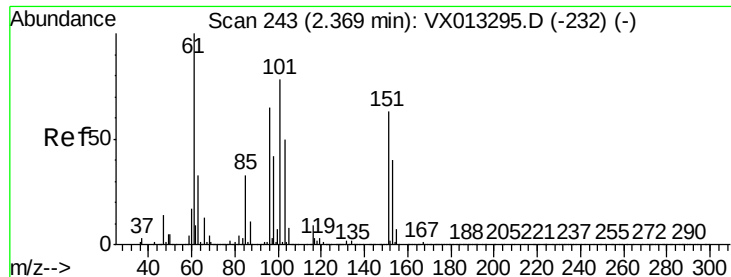
#8

Diethyl Ether  
Concen: 46.601 ug/l  
RT: 2.18 min Scan# 212  
Delta R.T. 0.01 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

Tgt Ion: 74 Resp: 246041  
Ion Ratio Lower Upper  
74 100  
45 96.9 48.5 145.6







#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.112 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

Instrument :

MSVOA\_X

ClientSampleId :

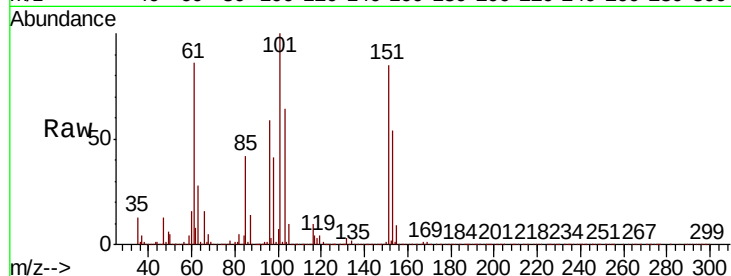
Tot Ion:101 Resp: 326820

Ion Ratio Lower Upper

101 100

85 42.3 34.4 51.6

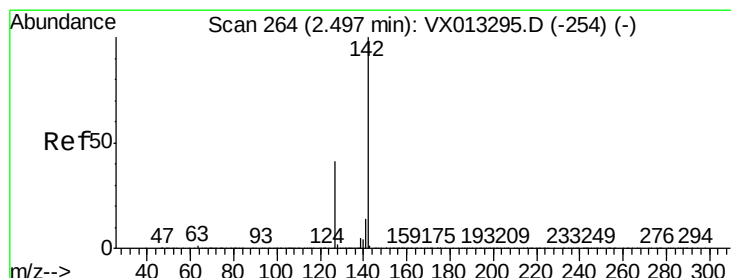
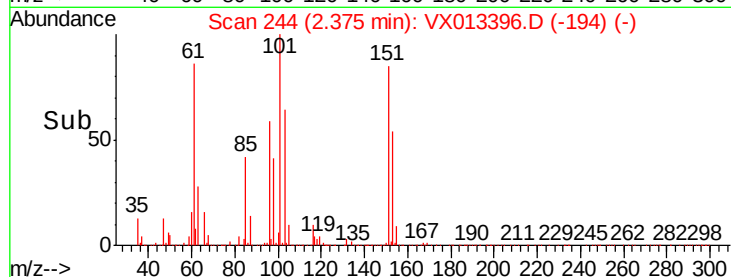
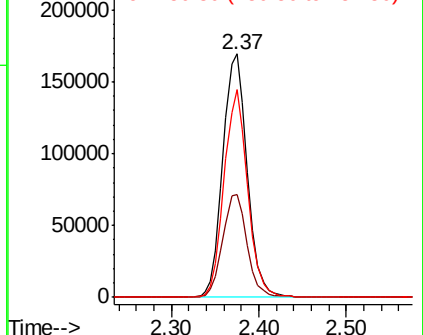
151 83.1 66.4 99.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.096 ug/l

RT: 2.50 min Scan# 264

Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

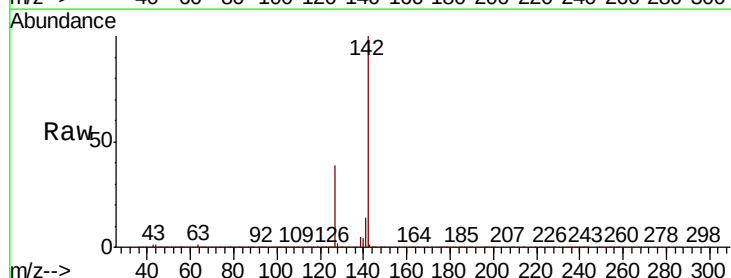
Tgt Ion:142 Resp: 420974

Ion Ratio Lower Upper

142 100

127 39.1 32.6 49.0

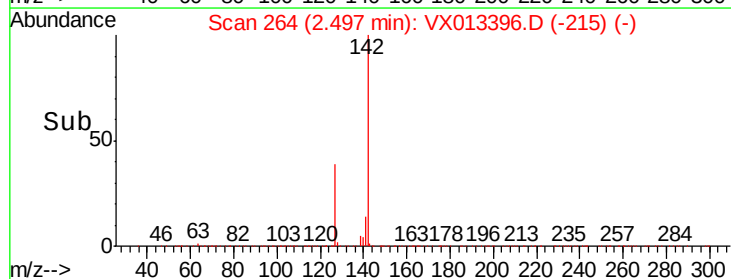
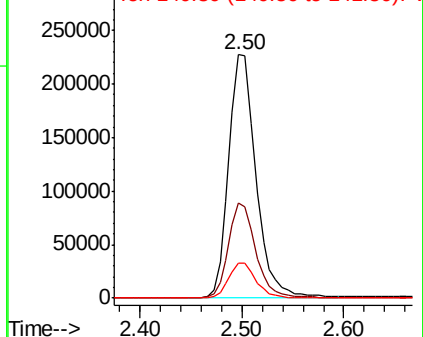
141 14.5 11.6 17.4

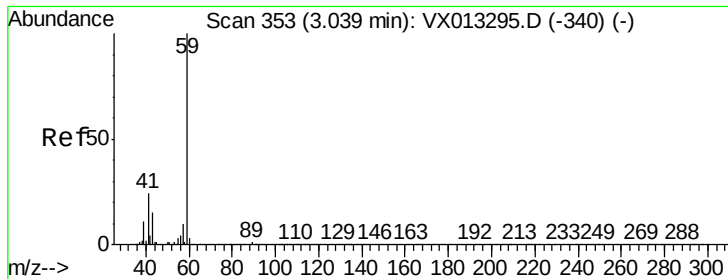


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

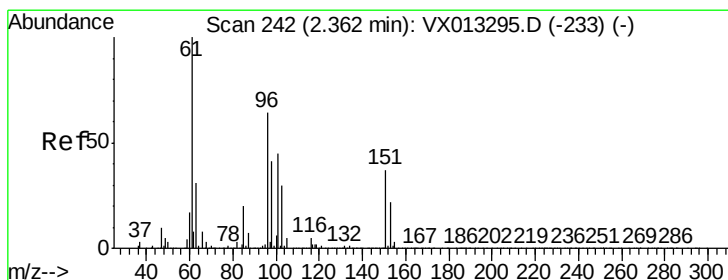
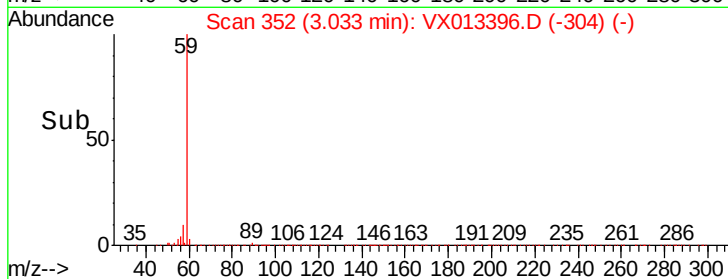
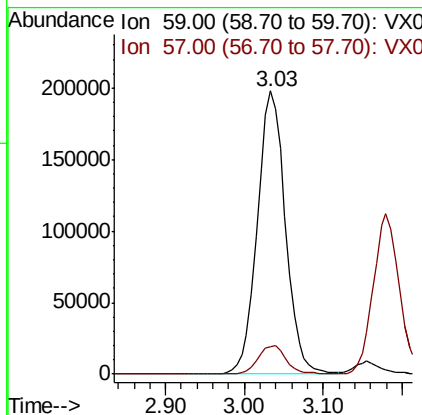
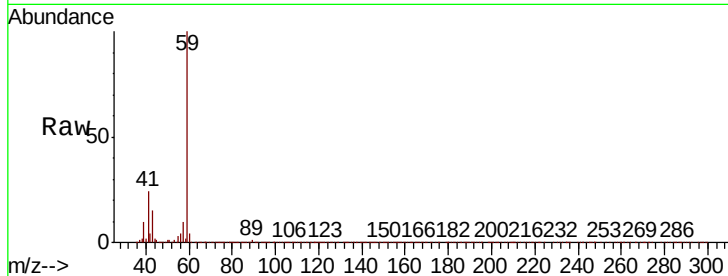




#11  
Tert butyl alcohol  
Concen: 220.679 ug/l  
RT: 3.03 min Scan# 352  
Delta R.T. -0.01 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

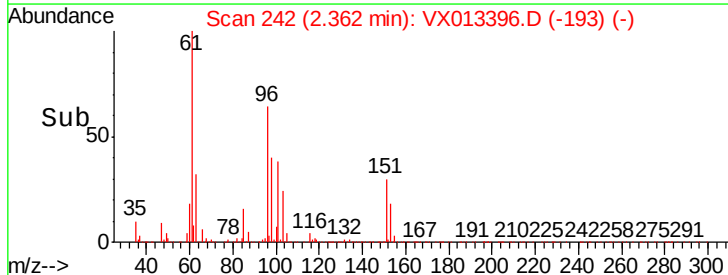
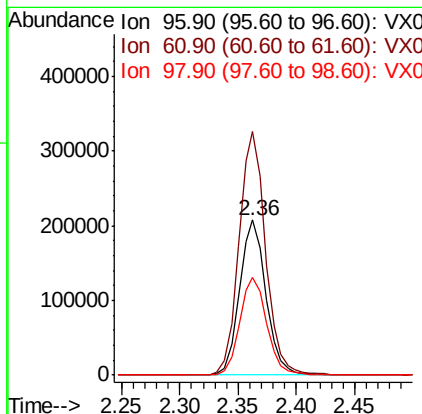
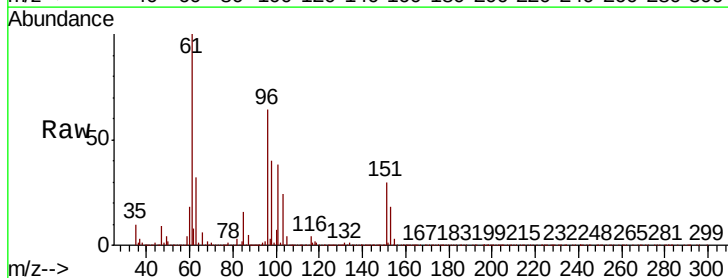
Instrument :  
MSVOA\_X  
ClientSampleId :

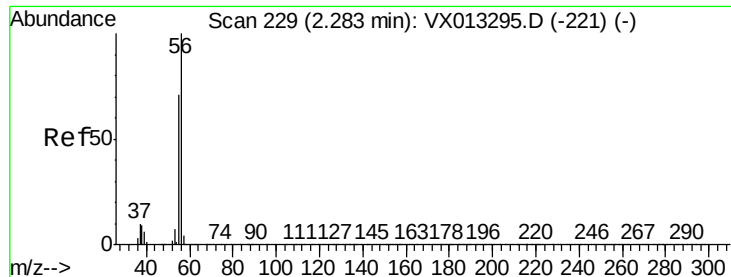
Tot Ion: 59 Resp: 489536  
Ion Ratio Lower Upper  
59 100  
57 9.9 8.0 12.0



#12  
1,1-Dichloroethene  
Concen: 50.609 ug/l  
RT: 2.36 min Scan# 242  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

Tgt Ion: 96 Resp: 329798  
Ion Ratio Lower Upper  
96 100  
61 157.0 125.0 187.6  
98 62.9 50.7 76.1





#13

Acrolein

Concen: 255.636 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

Instrument :

MSVOA\_X

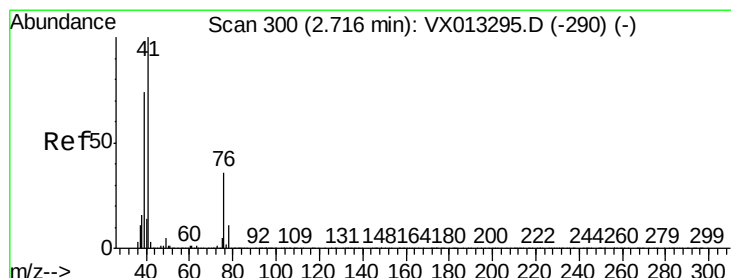
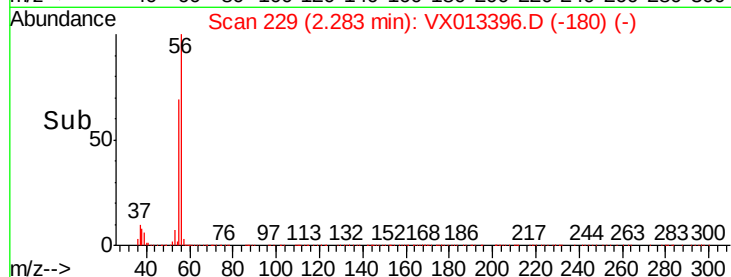
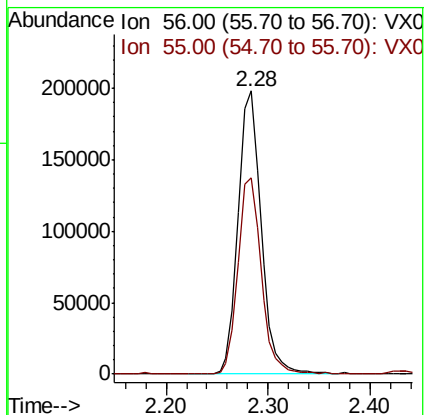
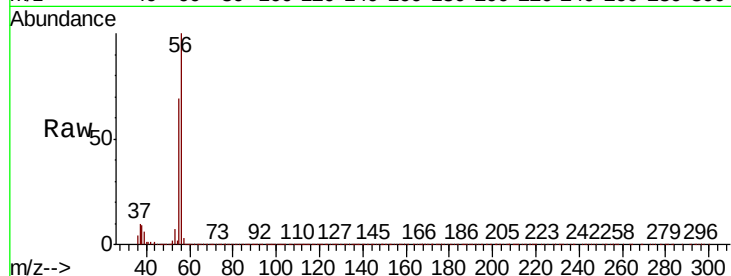
ClientSampleId :

Tot Ion: 56 Resp: 307342

Ion Ratio Lower Upper

56 100

55 70.3 57.4 86.0



#14

Allyl chloride

Concen: 51.794 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

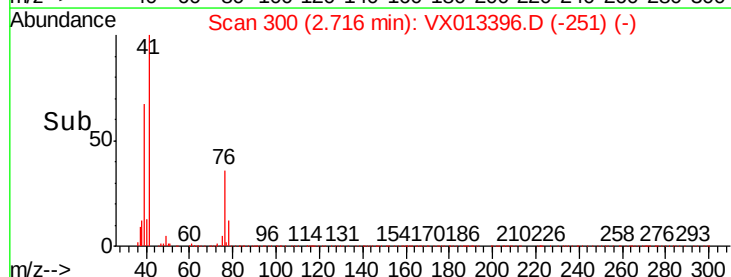
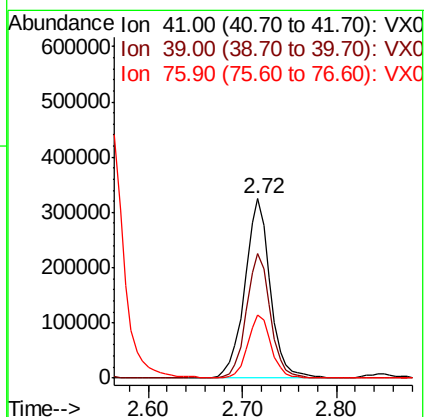
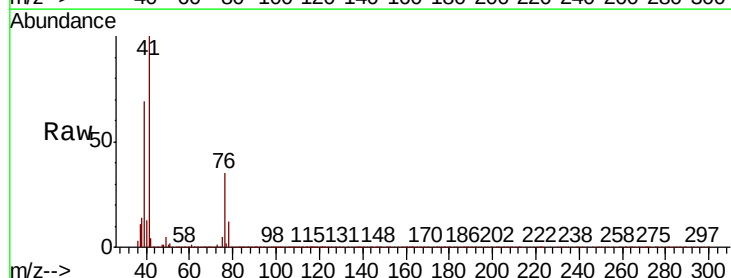
Tgt Ion: 41 Resp: 613259

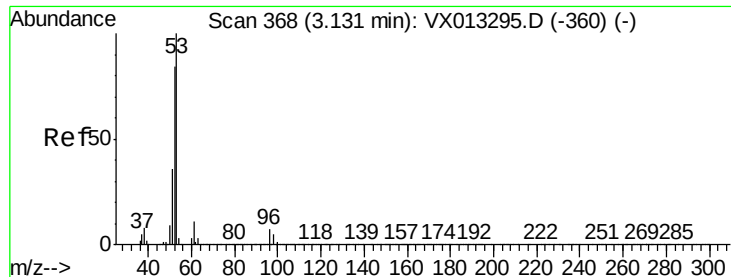
Ion Ratio Lower Upper

41 100

39 65.1 55.8 83.8

76 32.4 26.4 39.6





#15

Acrylonitrile

Concen: 250.672 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

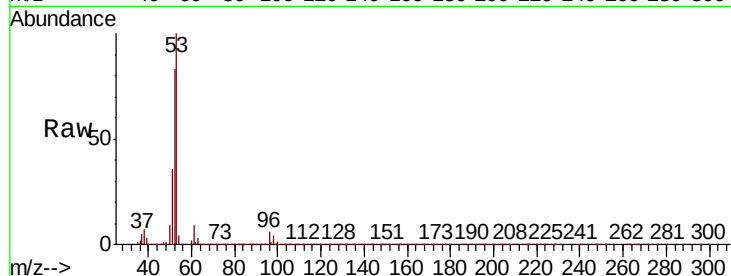
Instrument :

MSVOA\_X

ClientSampleId :

Tot Ion: 53 Resp: 1038714

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 83.4  | 67.4  | 101.0 |
| 51  | 35.7  | 29.4  | 44.2  |

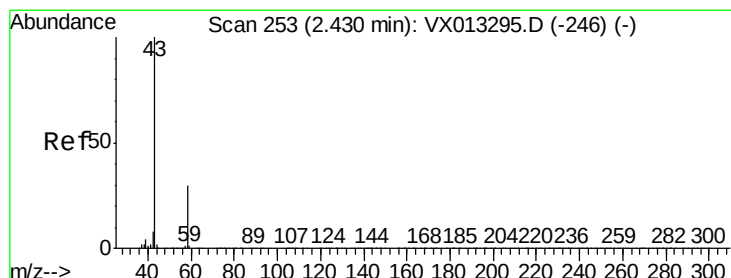
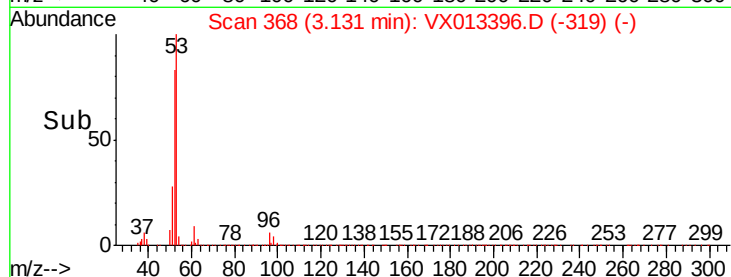


Abundance

Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 225.064 ug/l

RT: 2.43 min Scan# 253

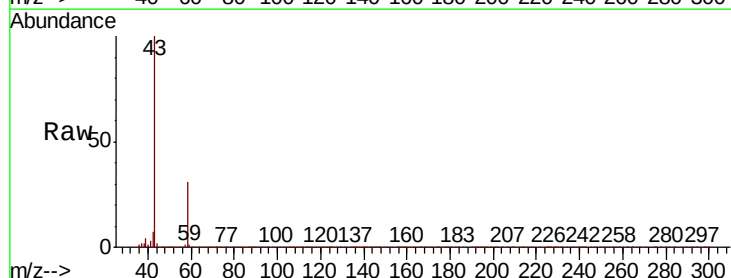
Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

Tgt Ion: 43 Resp: 944815

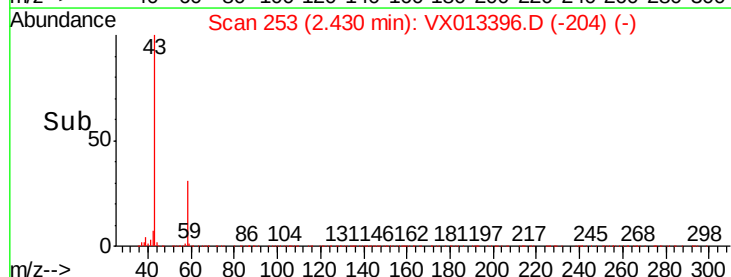
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 31.0  | 24.3  | 36.5  |

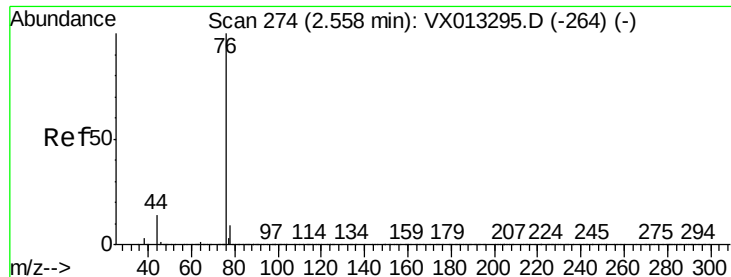


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 47.871 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

Instrument :

MSVOA\_X

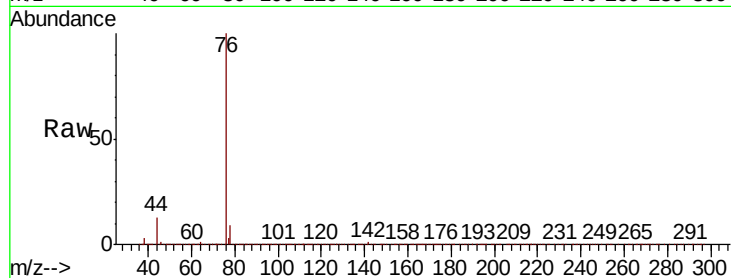
ClientSampleId :

Tot Ion: 76 Resp: 834959

Ion Ratio Lower Upper

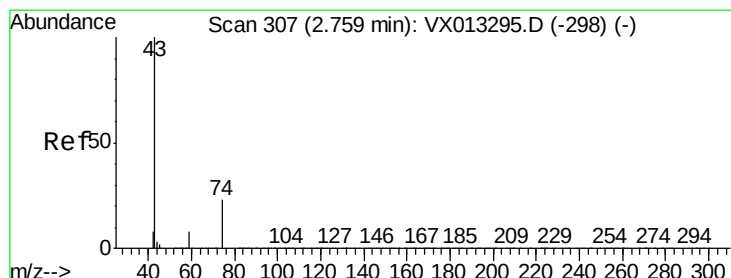
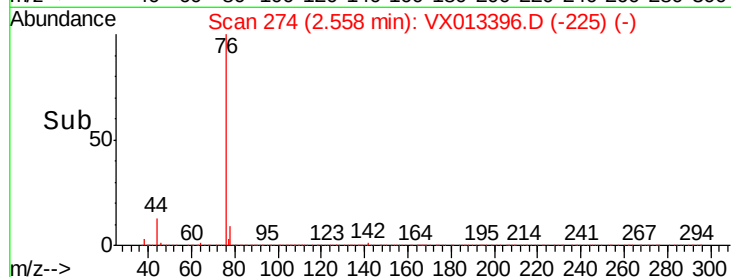
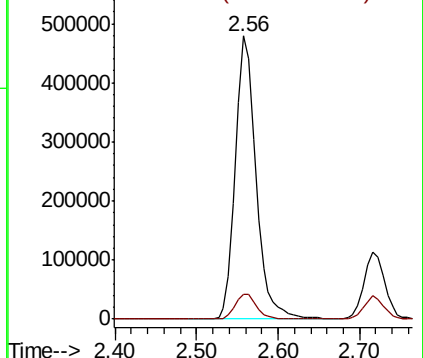
76 100

78 8.7 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 52.431 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX013396.D

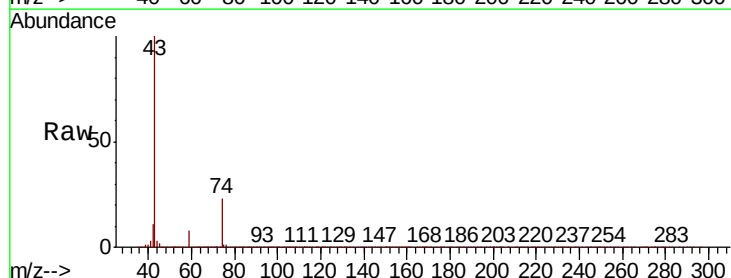
Acq: 12 Nov 2019 19:34

Tgt Ion: 43 Resp: 607663

Ion Ratio Lower Upper

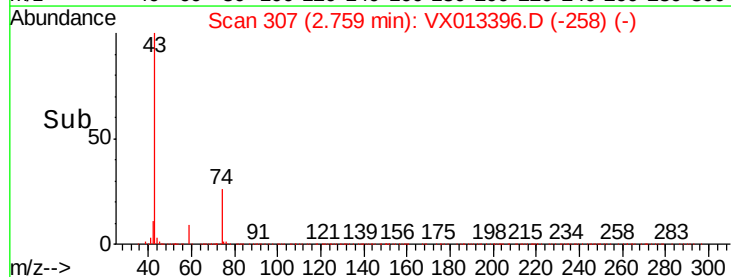
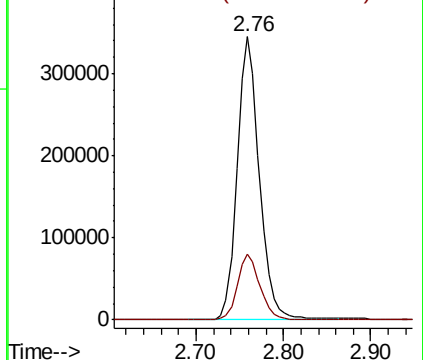
43 100

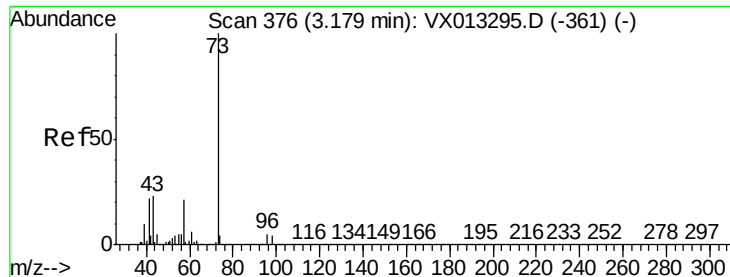
74 23.3 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

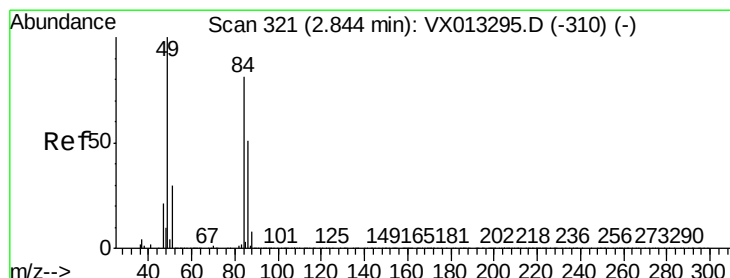
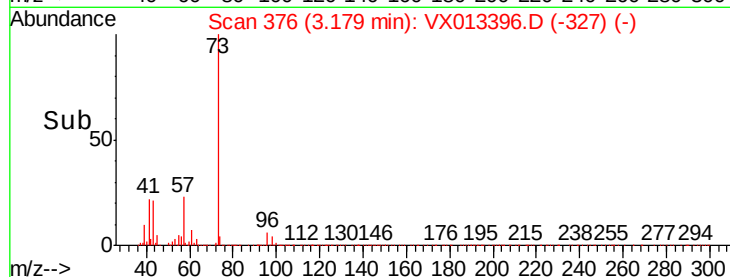
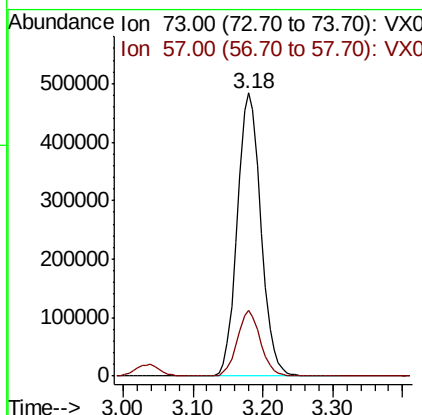
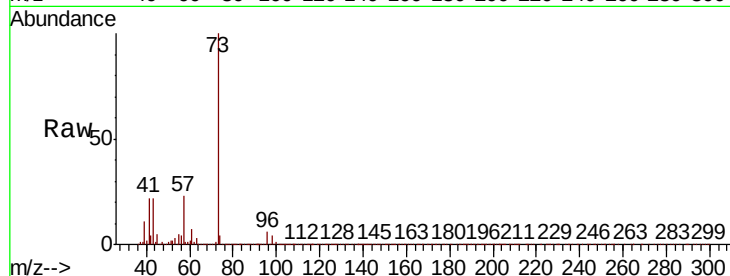




#19  
Methyl tert-butyl Ether  
Concen: 52.192 ug/l  
RT: 3.18 min Scan# 376  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

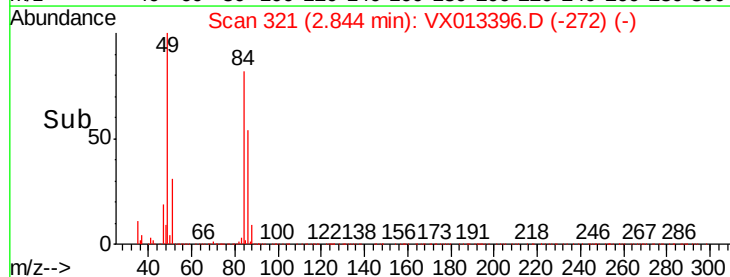
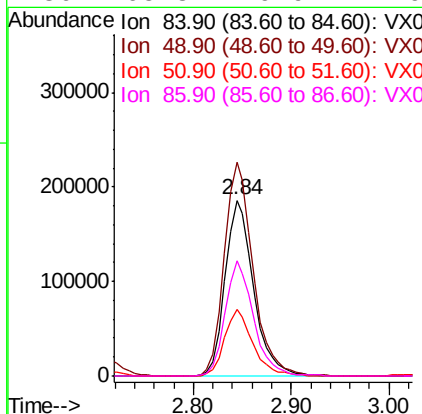
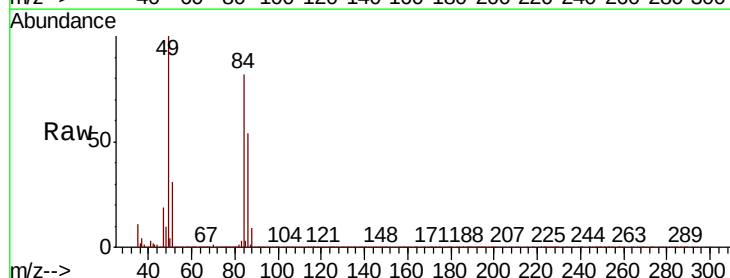
Instrument :  
MSVOA\_X  
ClientSampled :

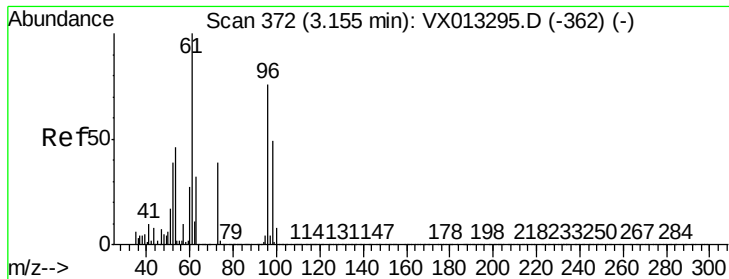
Tot Ion: 73 Resp: 1134390  
Ion Ratio Lower Upper  
73 100  
57 23.1 17.1 25.7



#20  
Methylene Chloride  
Concen: 48.330 ug/l  
RT: 2.84 min Scan# 321  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

Tgt Ion: 84 Resp: 374861  
Ion Ratio Lower Upper  
84 100  
49 121.6 98.2 147.4  
51 37.4 29.9 44.9  
86 65.8 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 49.532 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

Instrument :  
MSVOA\_X  
ClientSampleId :

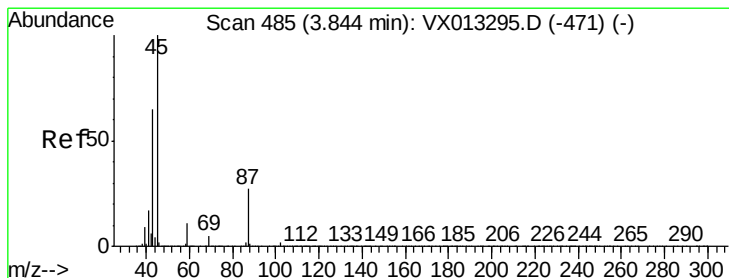
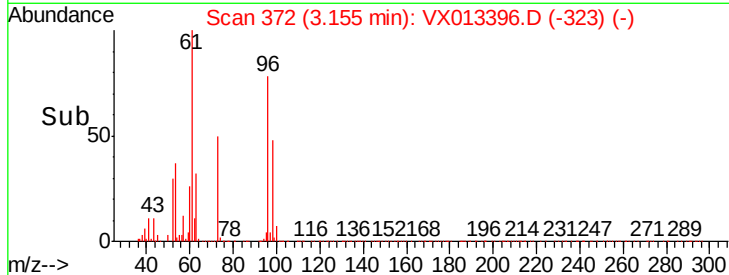
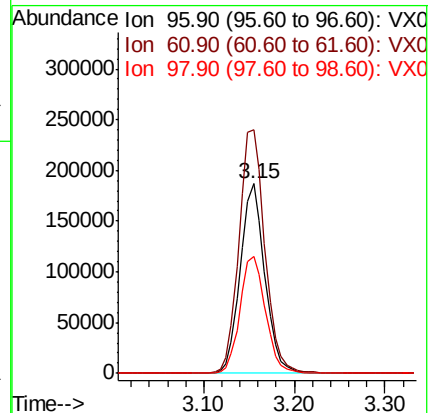
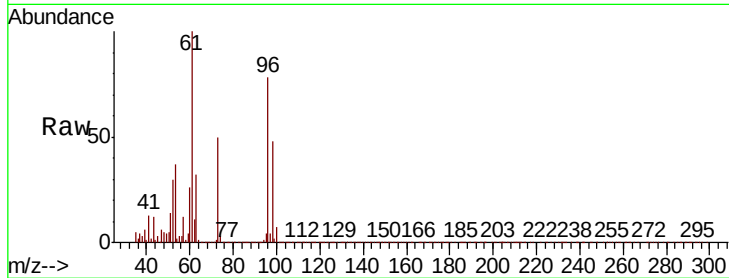
Tot Ion: 96 Resp: 351450

Ion Ratio Lower Upper

96 100

61 128.6 105.8 158.6

98 61.8 51.8 77.6



#22

Diisopropyl ether

Concen: 53.147 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

Tgt Ion: 45 Resp: 1214907

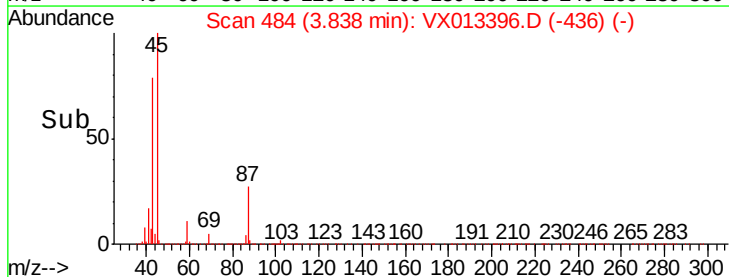
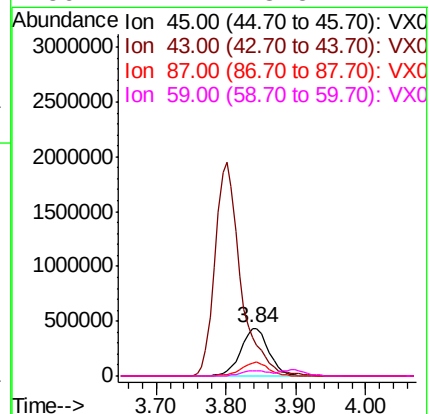
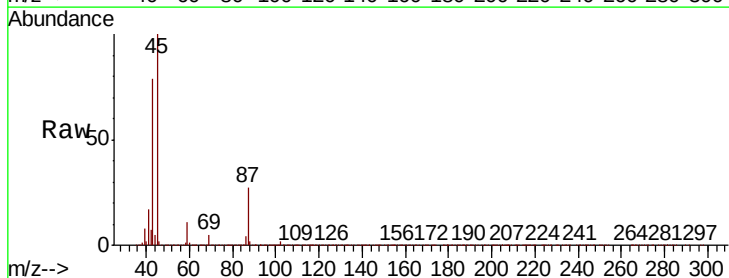
Ion Ratio Lower Upper

45 100

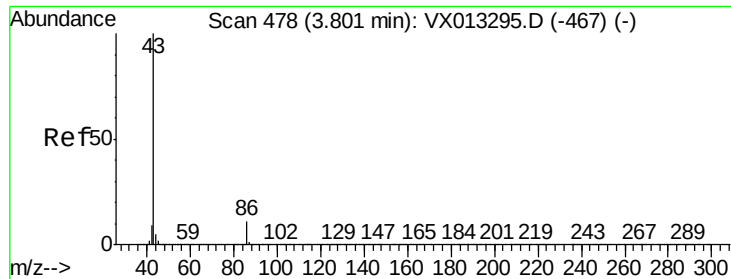
43 78.6 54.2 81.2

87 26.7 21.8 32.8

59 11.1 8.5 12.7



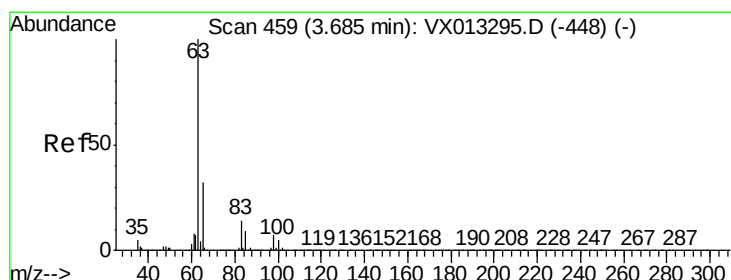
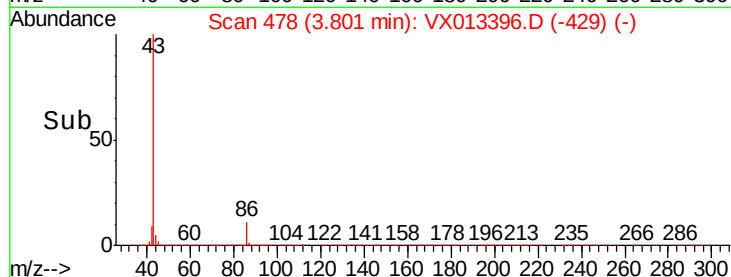
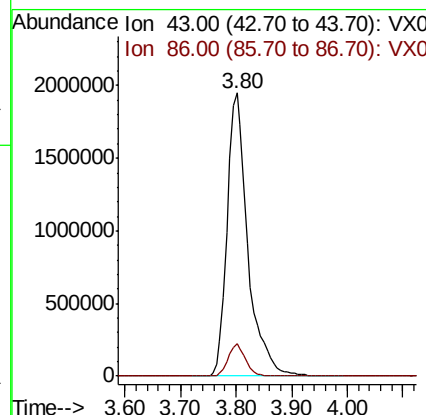
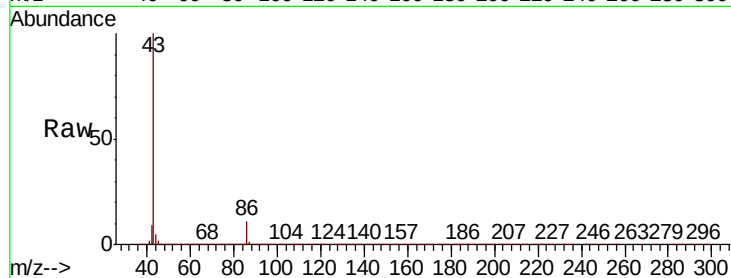




#23  
 Vinyl Acetate  
 Concen: 255.651 ug/l  
 RT: 3.80 min Scan# 478  
 Delta R.T. -0.00 min  
 Lab File: VX013396.D  
 Acq: 12 Nov 2019 19:34

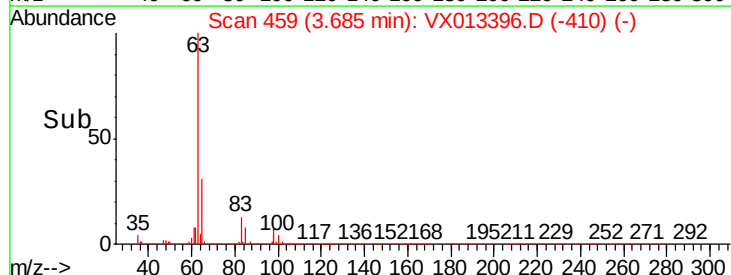
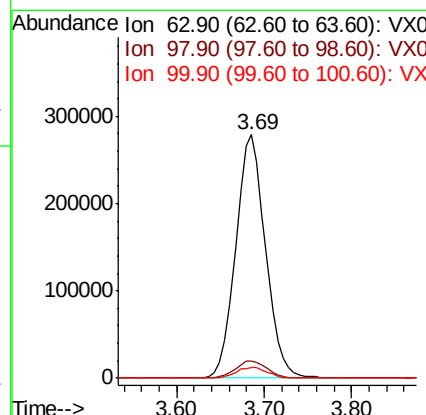
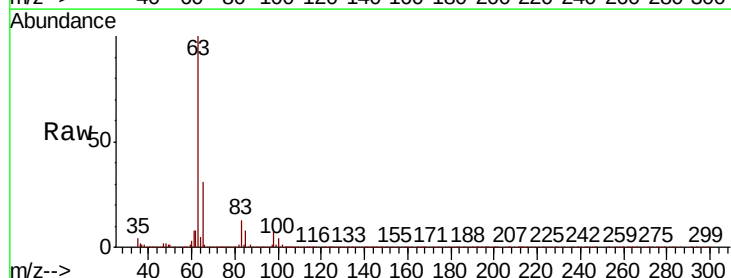
Instrument :  
 MSVOA\_X  
 ClientSampled :

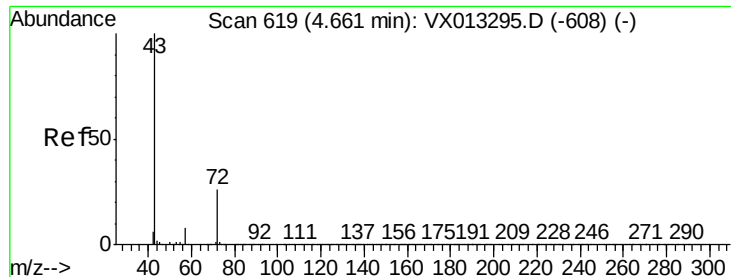
Tot Ion: 43 Resp: 5000672  
 Ion Ratio Lower Upper  
 43 100  
 86 11.4 8.6 13.0



#24  
 1,1-Dichloroethane  
 Concen: 51.381 ug/l  
 RT: 3.69 min Scan# 459  
 Delta R.T. -0.00 min  
 Lab File: VX013396.D  
 Acq: 12 Nov 2019 19:34

Tgt Ion: 63 Resp: 657034  
 Ion Ratio Lower Upper  
 63 100  
 98 7.2 3.5 10.4  
 100 4.3 2.4 7.2





#25

2-Butanone

Concen: 245.235 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

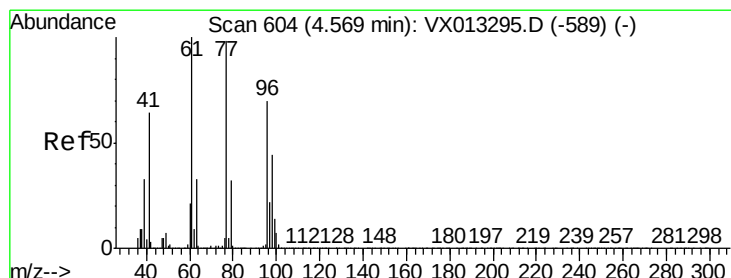
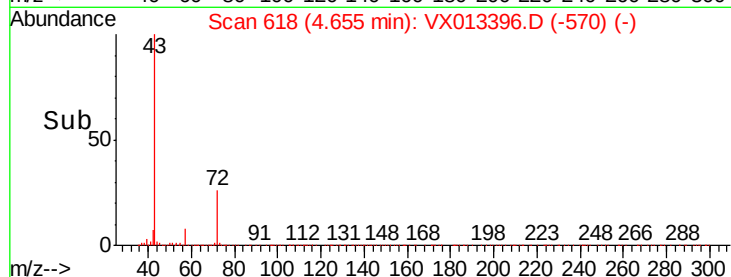
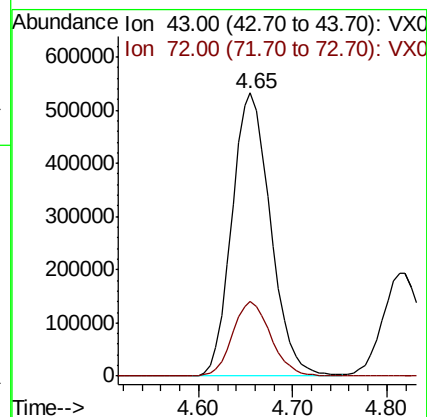
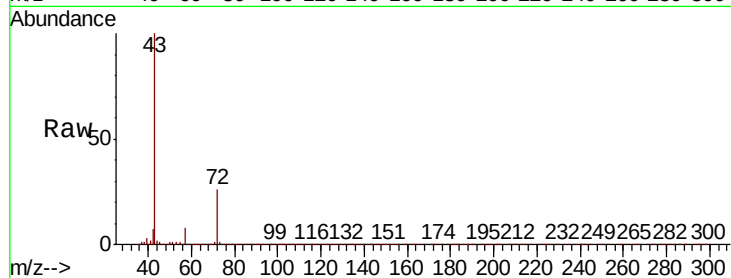
Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion: 43 Resp: 1510282

Ion Ratio Lower Upper

43 100

72 26.1 21.0 31.6



#26

2,2-Dichloropropane

Concen: 50.450 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013396.D

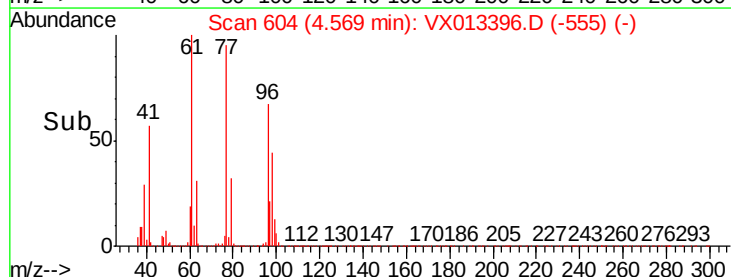
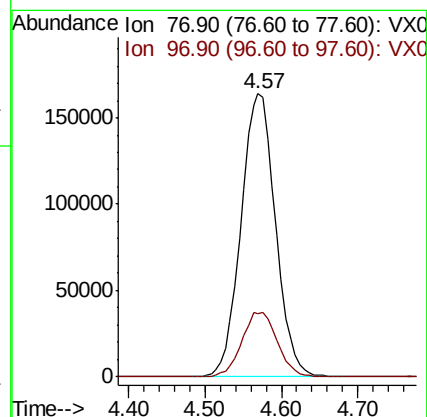
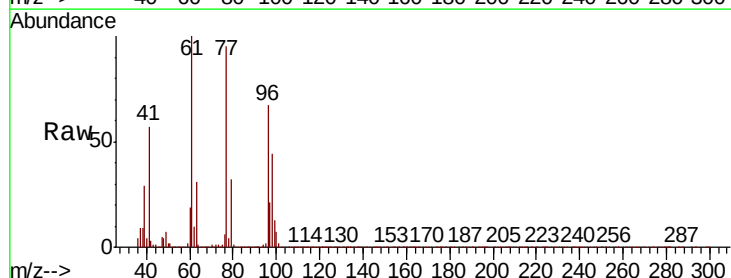
Acq: 12 Nov 2019 19:34

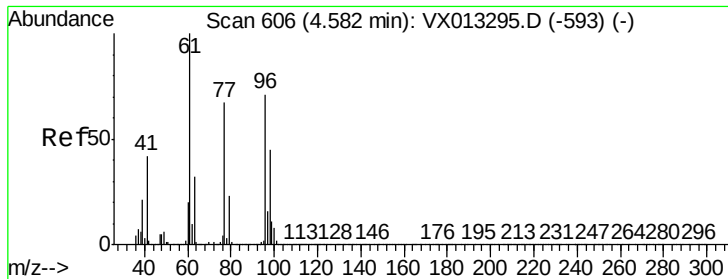
Tgt Ion: 77 Resp: 513220

Ion Ratio Lower Upper

77 100

97 23.7 11.3 33.8



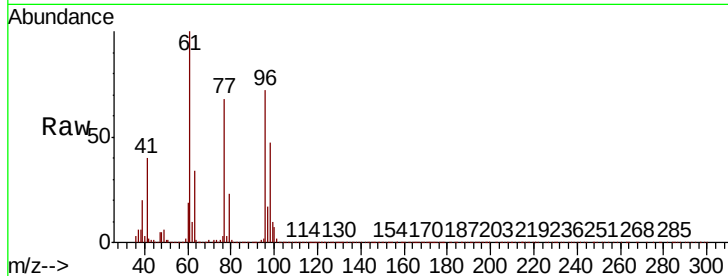


#27

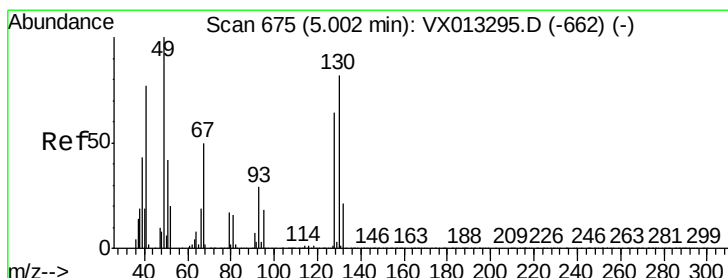
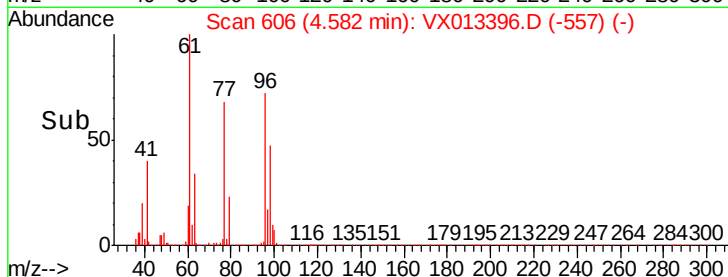
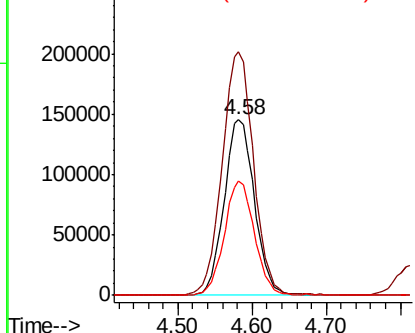
cis-1,2-Dichloroethene  
Concen: 52.049 ug/l  
RT: 4.58 min Scan# 606  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

Instrument :  
MSVOA\_X  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 142.9 | 0.0   | 288.0 |
| 98      | 64.5  | 0.0   | 129.6 |



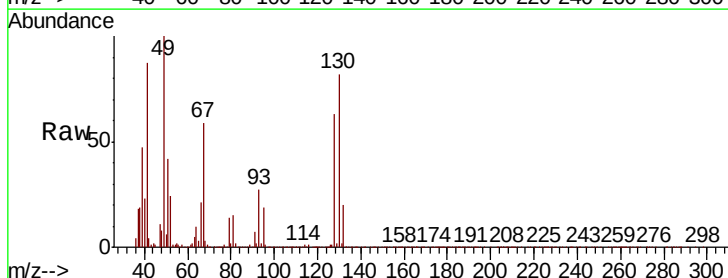
Abundance Ion 95.90 (95.60 to 96.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0



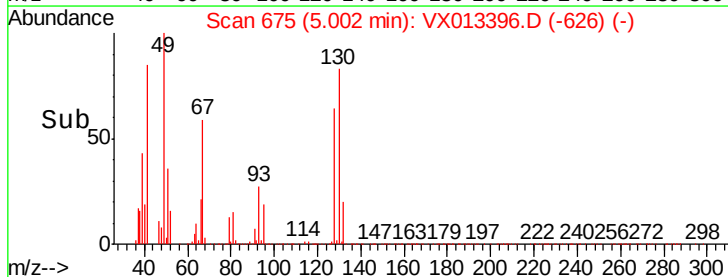
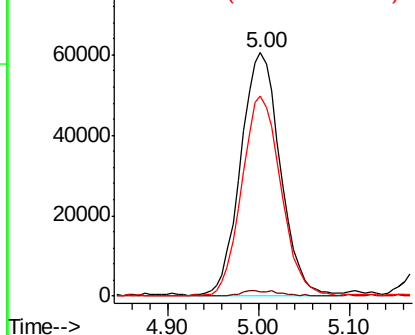
#28

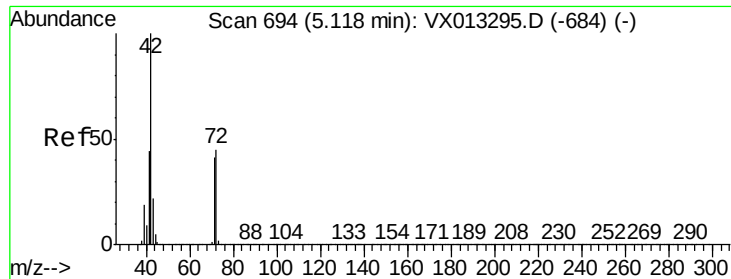
Bromochloromethane  
Concen: 50.131 ug/l  
RT: 5.00 min Scan# 675  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.4   | 0.0   | 5.2   |
| 130     | 81.5  | 63.8  | 95.6  |



Abundance Ion 48.90 (48.60 to 49.60): VX0  
Ion 128.80 (128.50 to 129.50): V  
Ion 129.80 (129.50 to 130.50): V

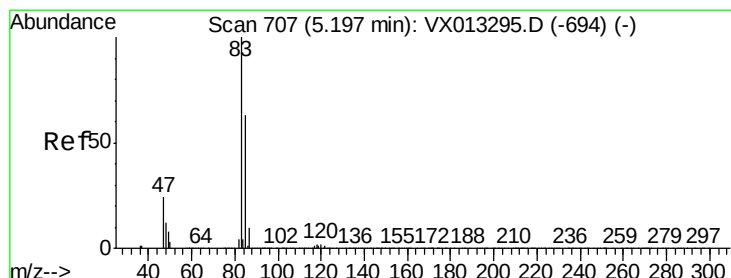
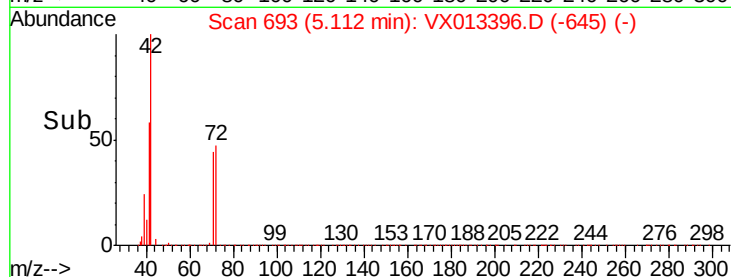
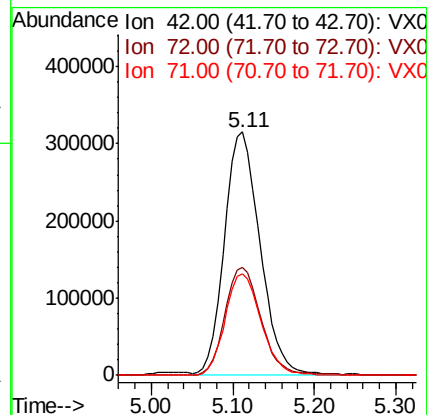
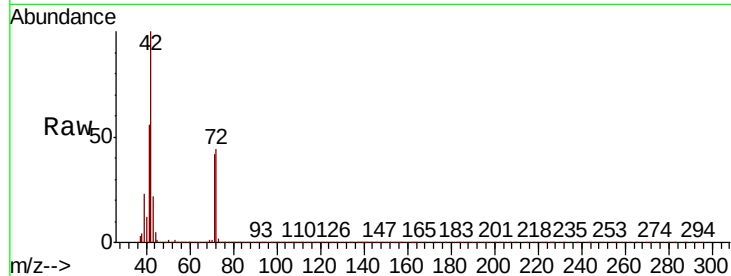




#29  
Tetrahydrofuran  
Concen: 249.402 ug/l  
RT: 5.11 min Scan# 693  
Delta R.T. -0.01 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

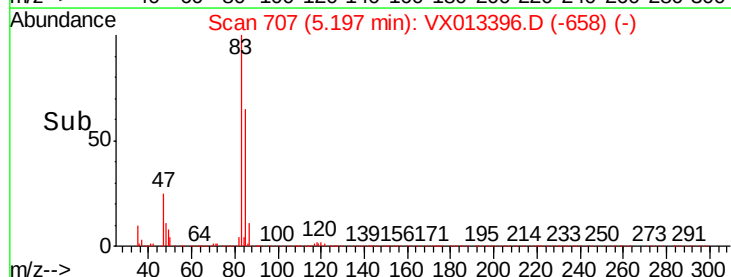
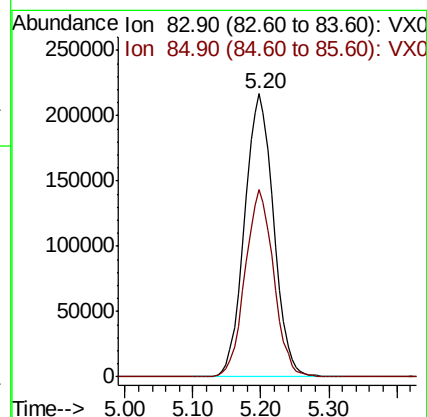
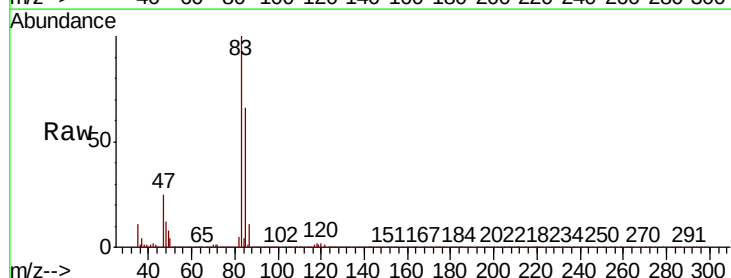
Instrument :  
MSVOA\_X  
ClientSampleId :

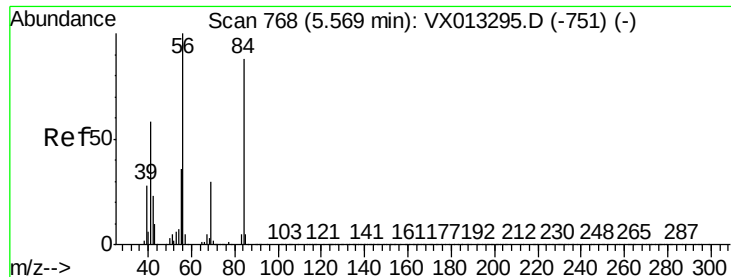
Tot Ion: 42 Resp: 946511  
Ion Ratio Lower Upper  
42 100  
72 45.5 35.8 53.8  
71 42.1 33.4 50.0



#30  
Chloroform  
Concen: 50.876 ug/l  
RT: 5.20 min Scan# 707  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

Tgt Ion: 83 Resp: 642410  
Ion Ratio Lower Upper  
83 100  
85 66.1 50.2 75.4

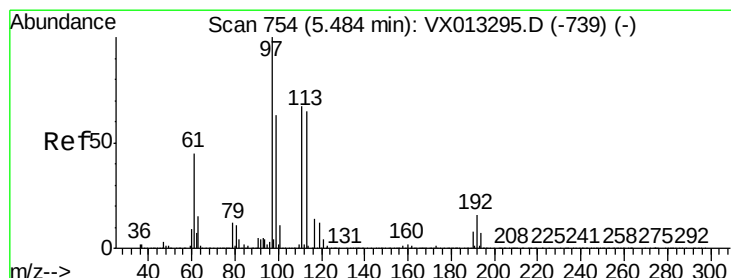
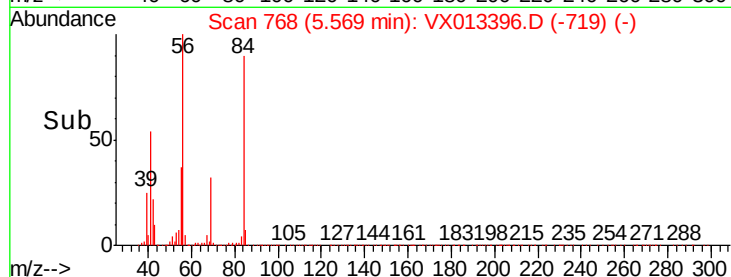
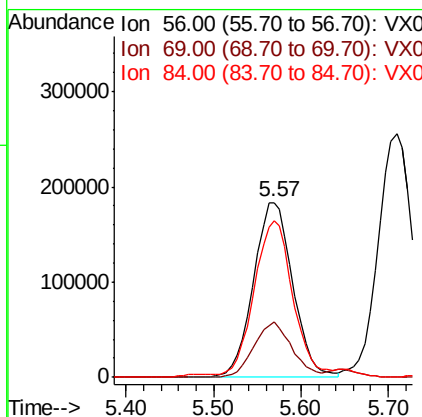
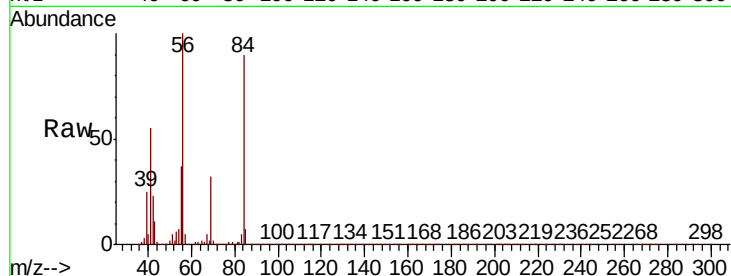




#31  
Cyclohexane  
Concen: 49.822 ug/l  
RT: 5.57 min Scan# 768  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

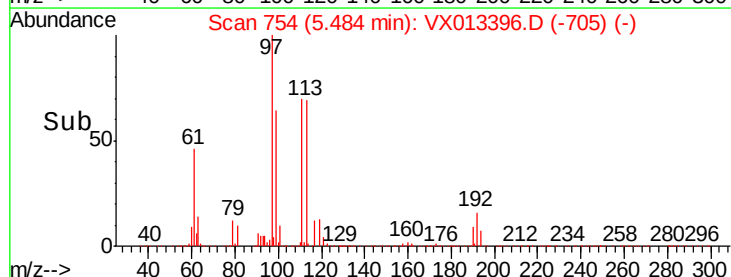
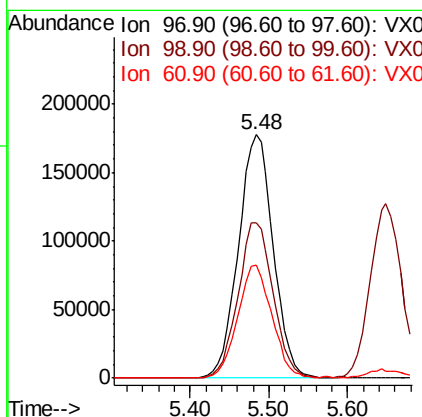
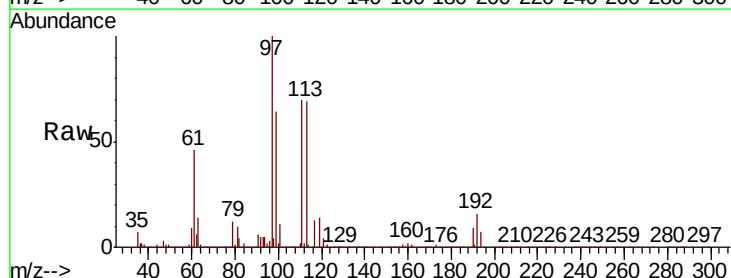
Instrument :  
MSVOA\_X  
ClientSampleId :

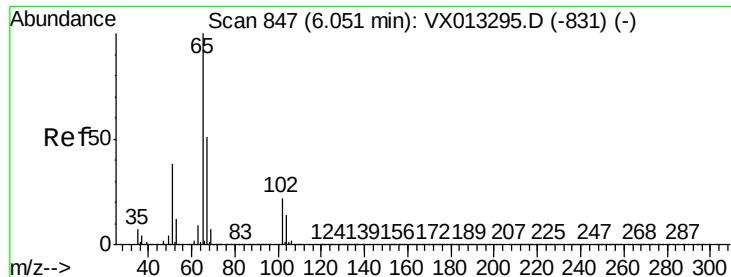
Tot Ion: 56 Resp: 573279  
Ion Ratio Lower Upper  
56 100  
69 31.6 23.7 35.5  
84 88.5 70.6 105.8



#32  
1,1,1-Trichloroethane  
Concen: 49.971 ug/l  
RT: 5.48 min Scan# 754  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

Tgt Ion: 97 Resp: 543023  
Ion Ratio Lower Upper  
97 100  
99 64.4 51.1 76.7  
61 45.5 36.5 54.7

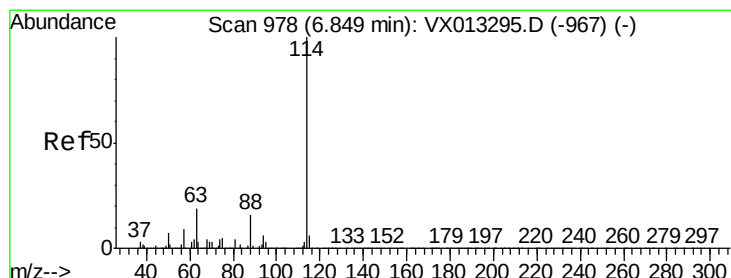
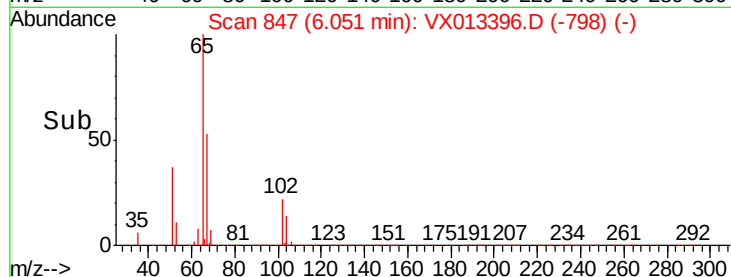
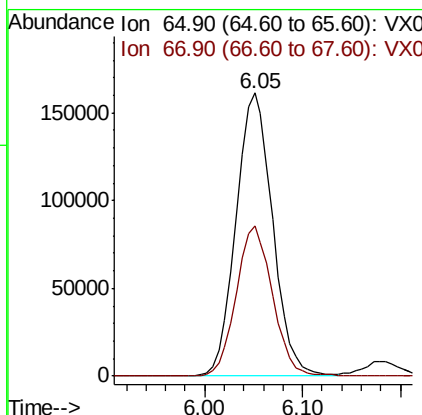
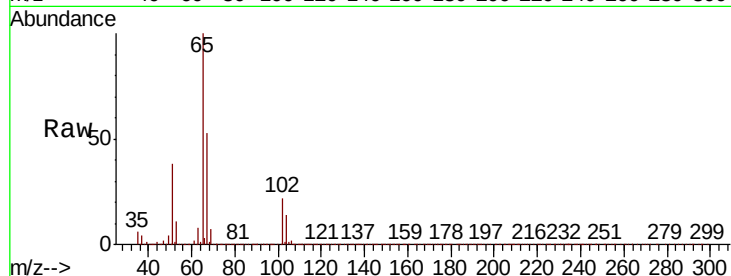




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.722 ug/l  
 RT: 6.05 min Scan# 847  
 Delta R.T. -0.00 min  
 Lab File: VX013396.D  
 Acq: 12 Nov 2019 19:34

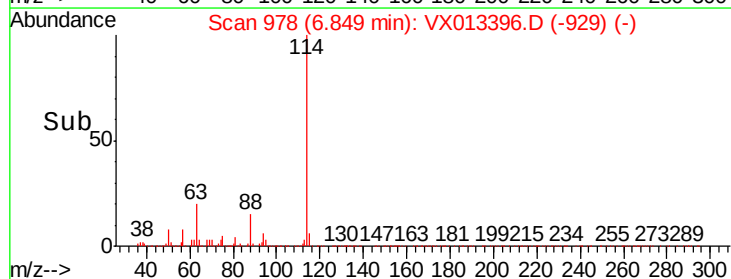
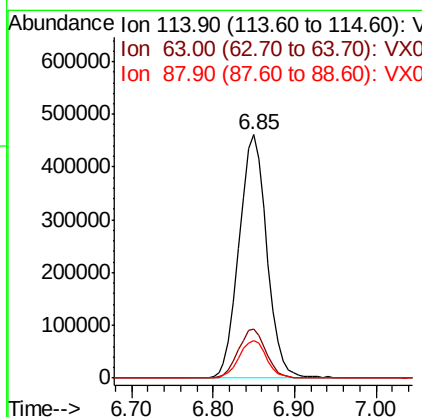
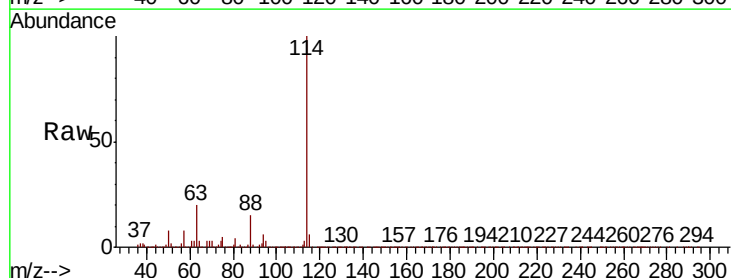
Instrument :  
 MSVOA\_X  
 ClientSampled :

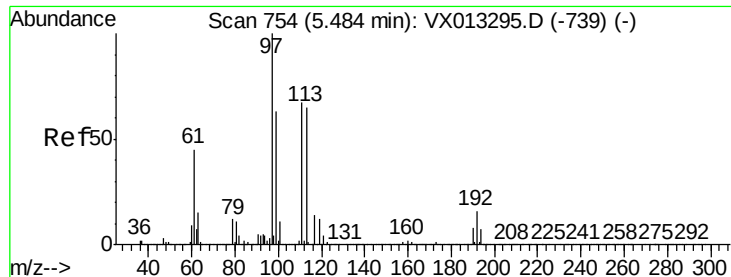
Tot Ion: 65 Resp: 418477  
 Ion Ratio Lower Upper  
 65 100  
 67 52.5 0.0 104.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. -0.00 min  
 Lab File: VX013396.D  
 Acq: 12 Nov 2019 19:34

Tgt Ion: 114 Resp: 1084206  
 Ion Ratio Lower Upper  
 114 100  
 63 19.9 0.0 38.4  
 88 15.4 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.468 ug/l

RT: 5.48 min Scan# 754

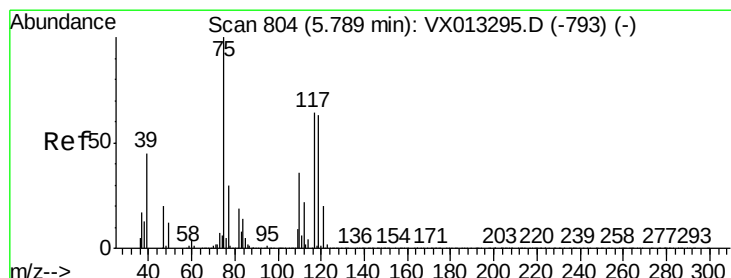
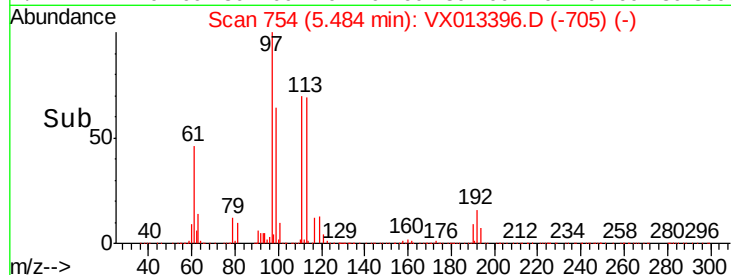
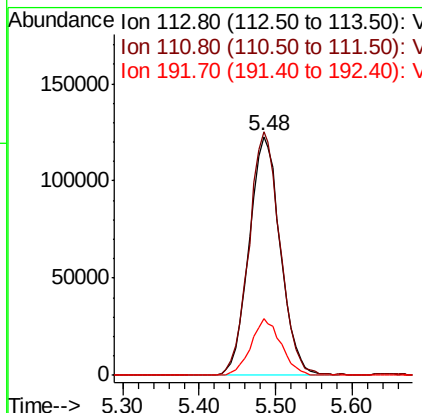
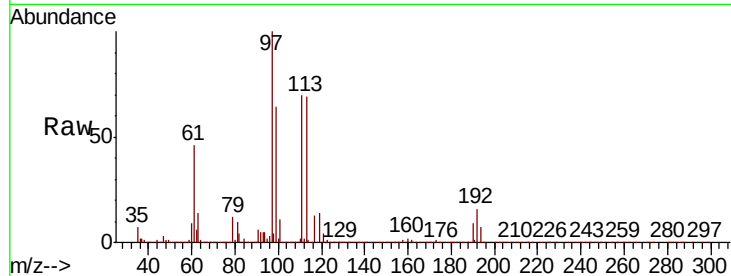
Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

Instrument :  
MSVOA\_X  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 113   | Resp: | 349996 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 101.0 | 81.9  | 122.9  |
| 192      | 22.5  | 19.1  | 28.7   |



#36

1,1-Dichloropropene

Concen: 51.257 ug/l

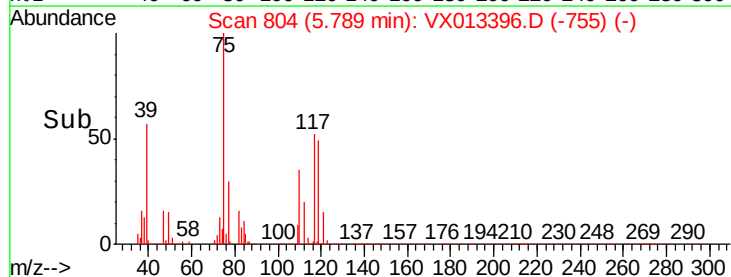
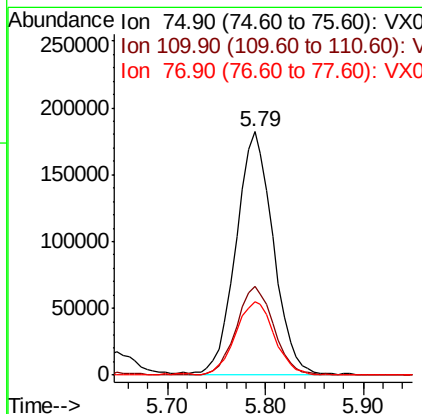
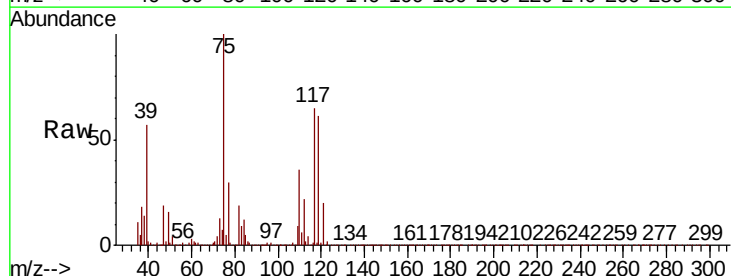
RT: 5.79 min Scan# 804

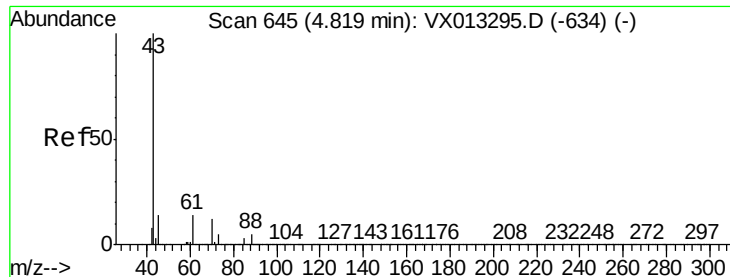
Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 476752 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 110      | 37.1  | 18.1  | 54.1   |
| 77       | 31.4  | 25.0  | 37.4   |

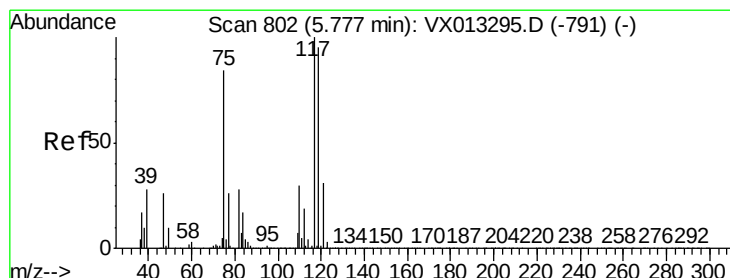
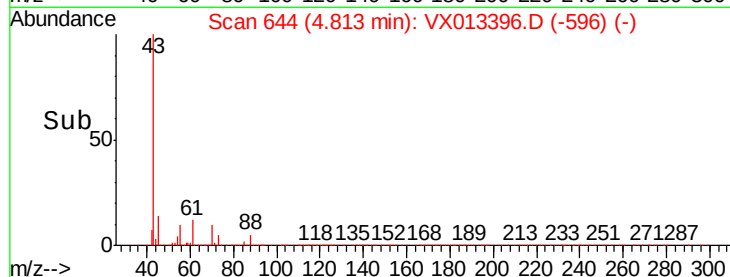
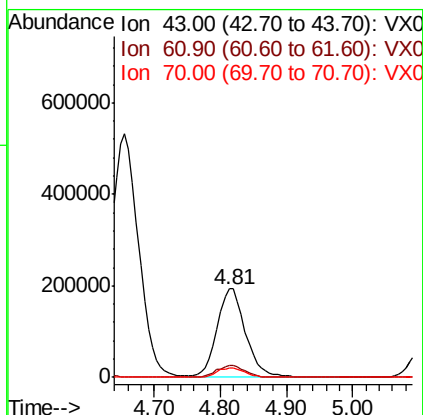
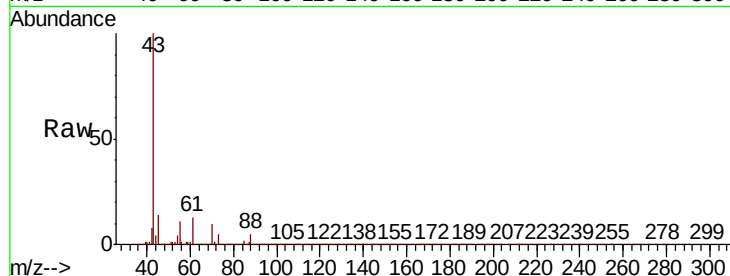




#37  
Ethyl Acetate  
Concen: 49.879 ug/l  
RT: 4.81 min Scan# 644  
Delta R.T. -0.01 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

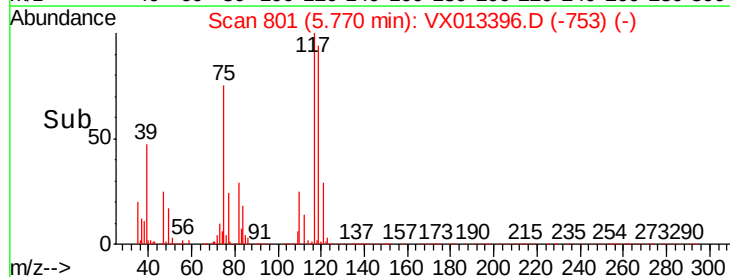
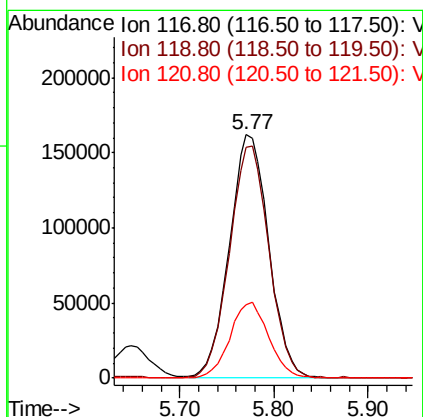
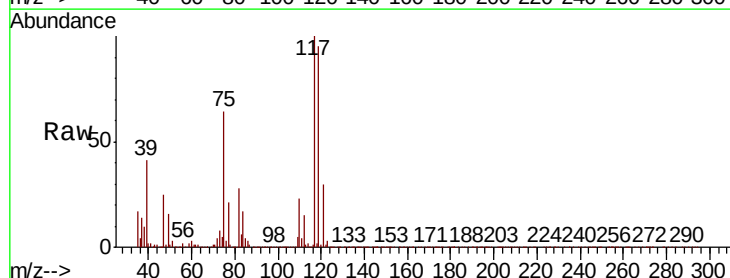
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 43 Resp: 573264  
Ion Ratio Lower Upper  
43 100  
61 13.6 10.7 16.1  
70 10.7 8.7 13.1

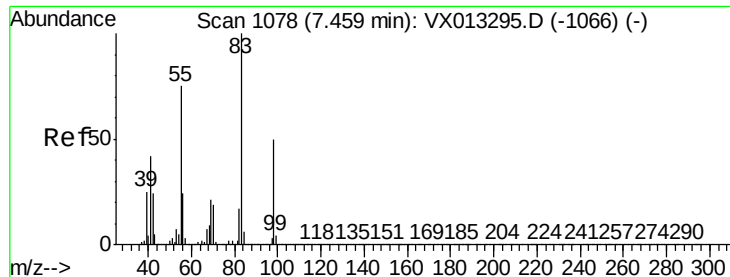


#38  
Carbon Tetrachloride  
Concen: 51.700 ug/l  
RT: 5.77 min Scan# 801  
Delta R.T. -0.01 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

Tgt Ion: 117 Resp: 470232  
Ion Ratio Lower Upper  
117 100  
119 94.8 76.1 114.1  
121 29.8 24.6 37.0



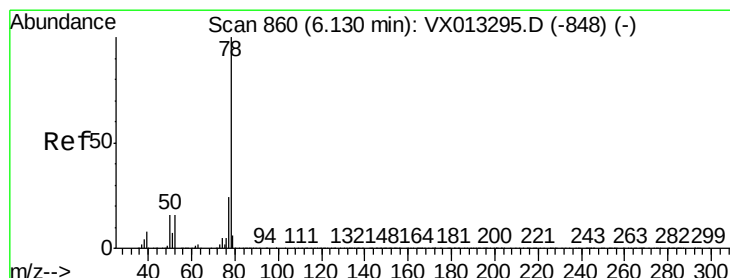
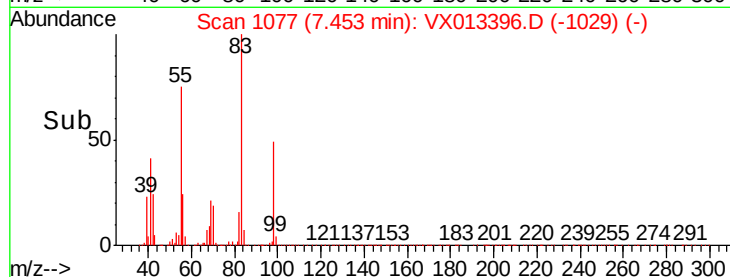
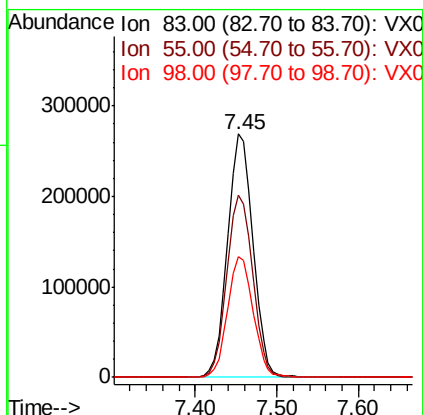
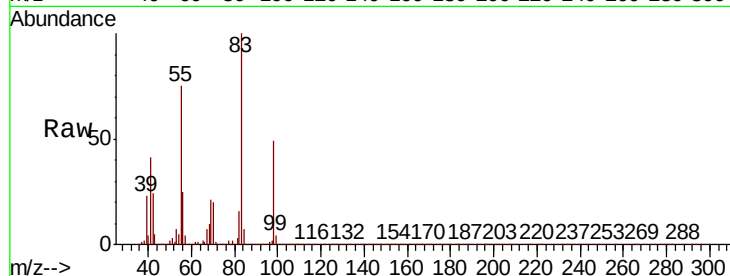




#39  
Methylvlcyclohexane  
Concen: 49.932 ug/l  
RT: 7.45 min Scan# 1077  
Delta R.T. -0.01 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

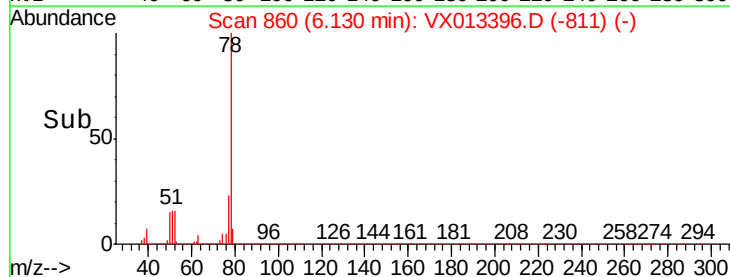
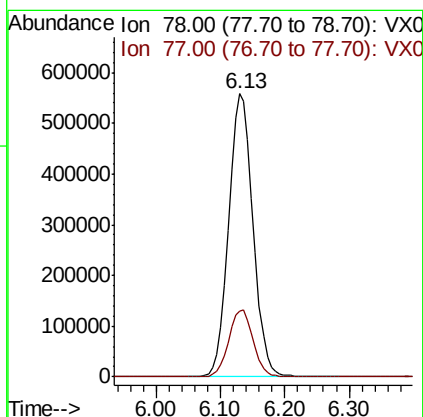
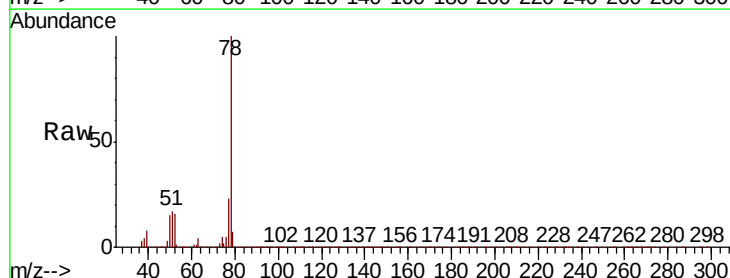
Instrument :  
MSVOA\_X  
ClientSampleId :

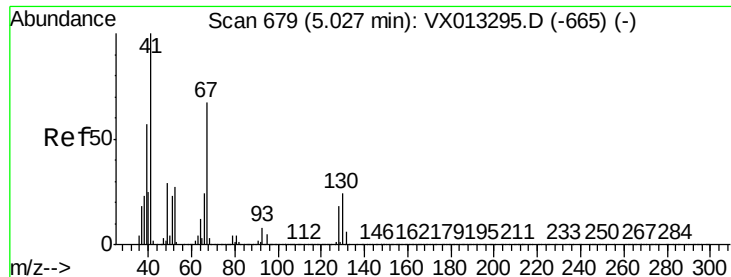
Tot Ion: 83 Resp: 578682  
Ion Ratio Lower Upper  
83 100  
55 74.7 60.3 90.5  
98 49.3 40.3 60.5



#40  
Benzene  
Concen: 51.113 ug/l  
RT: 6.13 min Scan# 860  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

Tgt Ion: 78 Resp: 1480886  
Ion Ratio Lower Upper  
78 100  
77 23.2 19.5 29.3

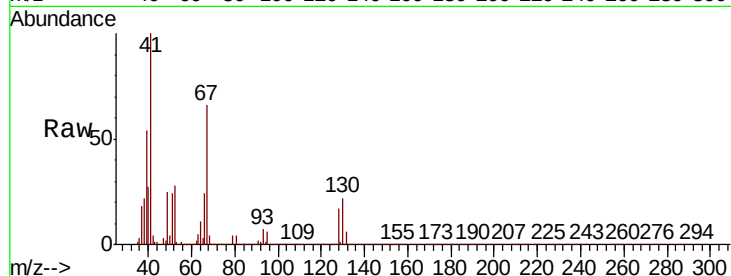




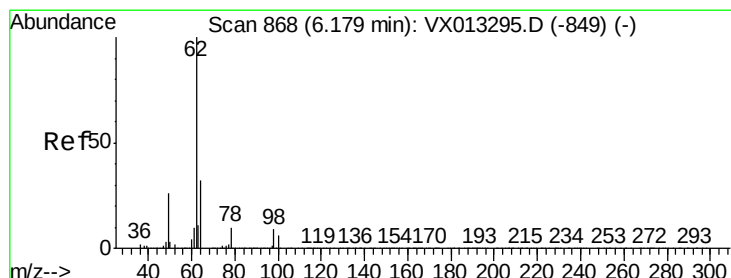
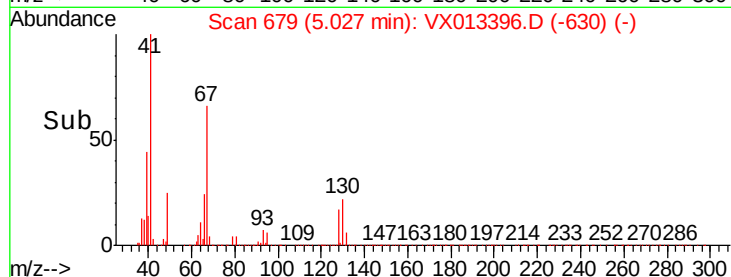
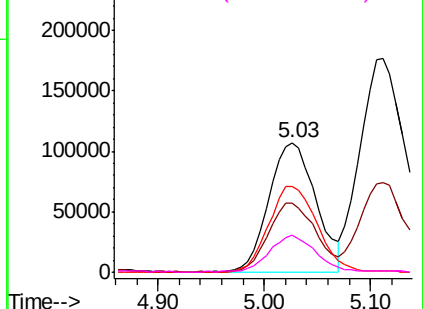
#41  
Methacrylonitrile  
Concen: 50.680 ug/l  
RT: 5.03 min Scan# 679  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

Instrument :  
MSVOA\_X  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 326472 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 53.7  | 45.0  | 67.6   |
| 67       | 67.9  | 55.4  | 83.2   |
| 52       | 27.5  | 23.1  | 34.7   |

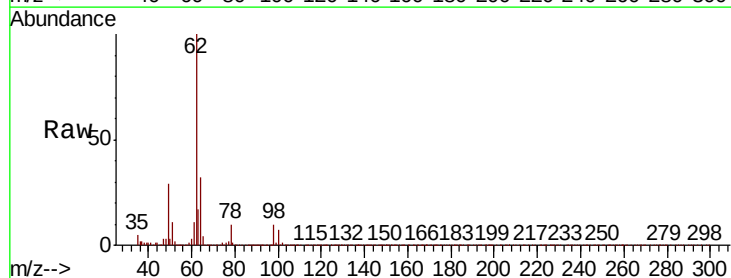


Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0  
Ion 67.00 (66.70 to 67.70): VX0  
Ion 52.00 (51.70 to 52.70): VX0

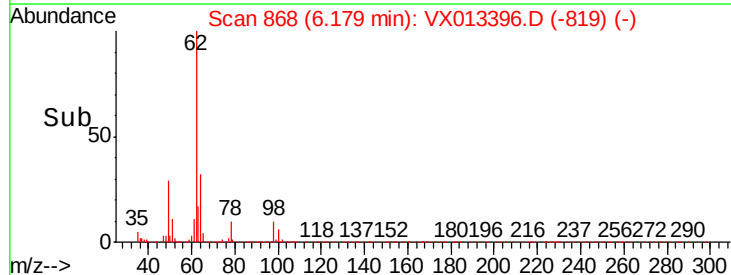
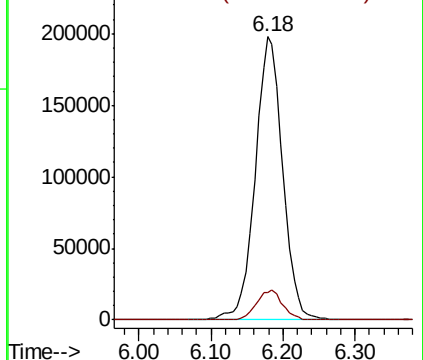


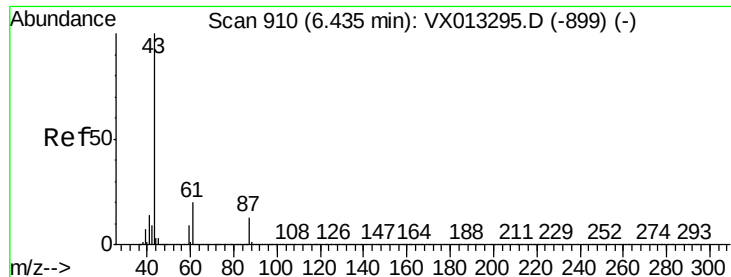
#42  
1,2-Dichloroethane  
Concen: 50.045 ug/l  
RT: 6.18 min Scan# 868  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 523003 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 10.1  | 0.0   | 19.4   |



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





#43

Isopropyl Acetate

Concen: 51.405 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

Instrument :

MSVOA\_X

ClientSampleId :

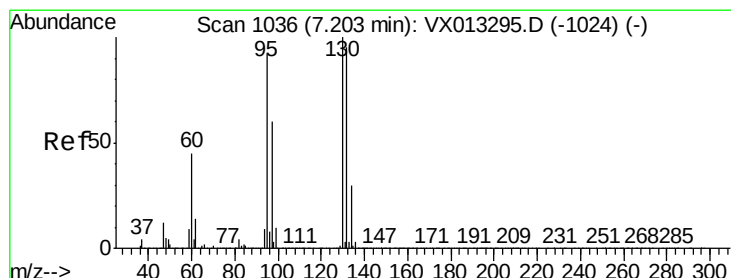
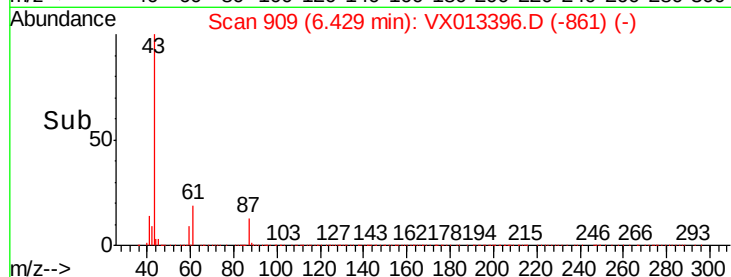
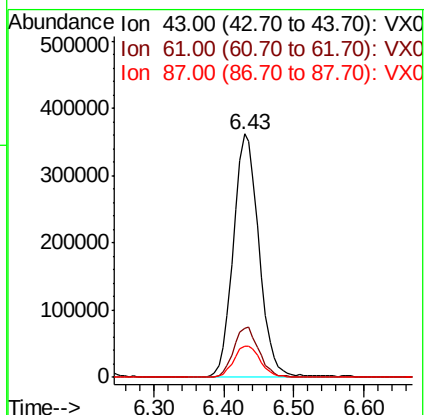
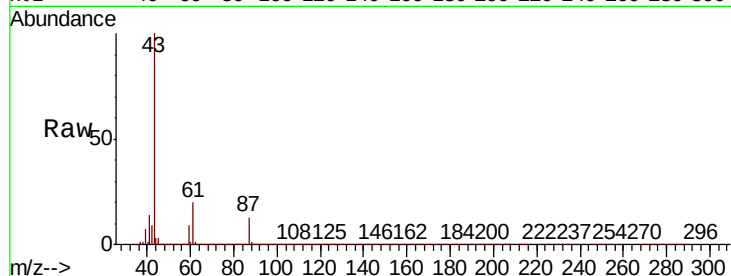
Tot Ion: 43 Resp: 919984

Ion Ratio Lower Upper

43 100

61 20.3 15.8 23.8

87 13.4 10.4 15.6



#44

Trichloroethene

Concen: 49.225 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX013396.D

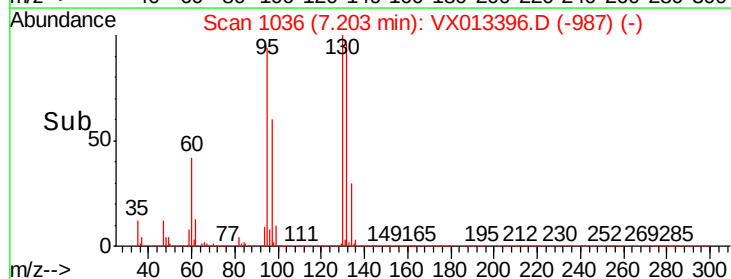
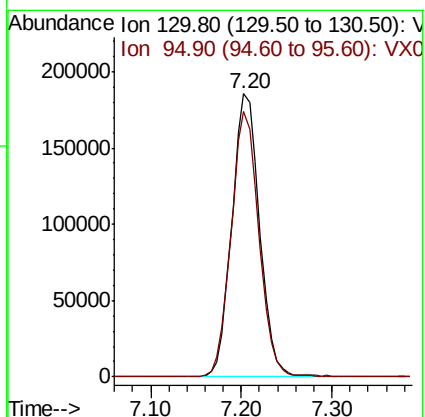
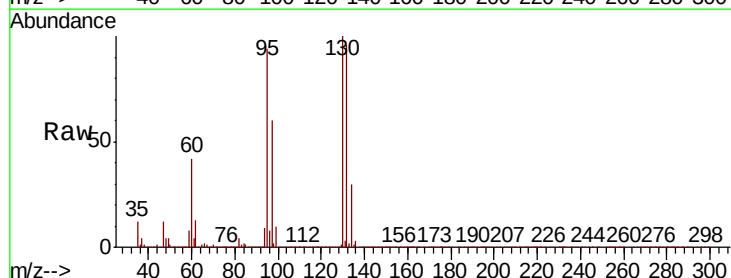
Acq: 12 Nov 2019 19:34

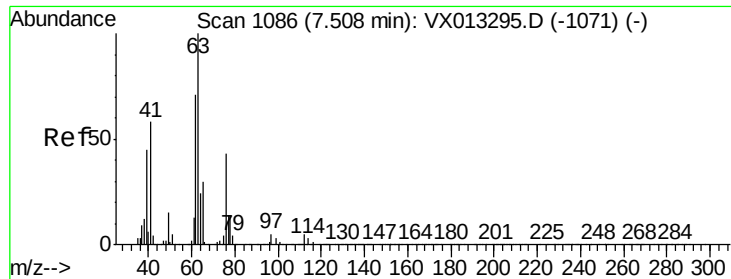
Tgt Ion:130 Resp: 392576

Ion Ratio Lower Upper

130 100

95 93.9 0.0 184.8

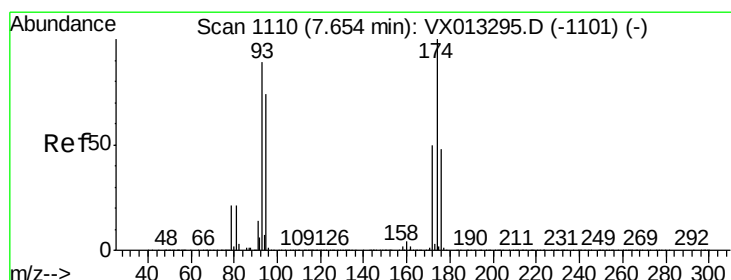
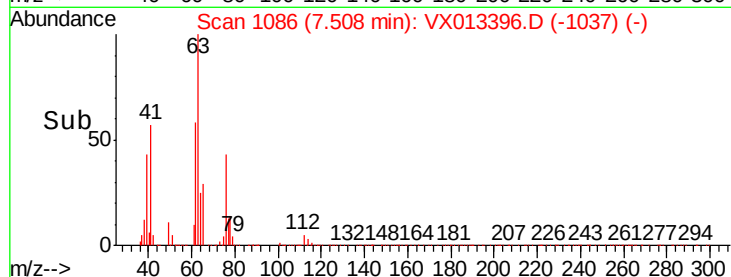
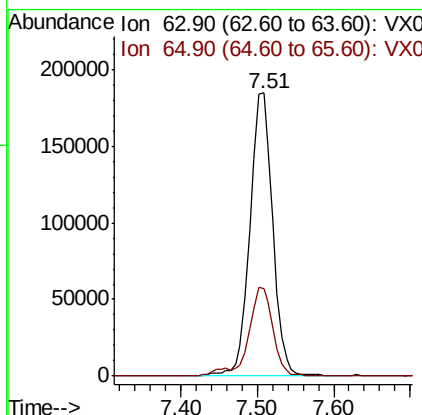
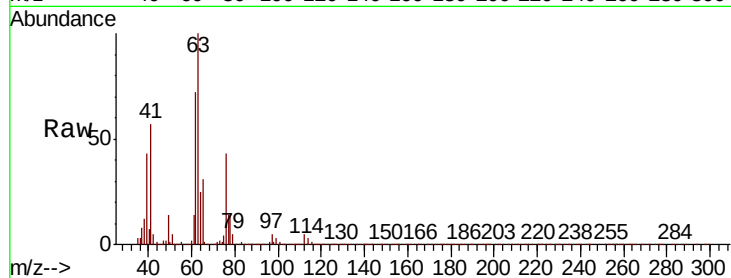




#45  
 1,2-Dichloropropane  
 Concen: 51.879 ug/l  
 RT: 7.51 min Scan# 1086  
 Delta R.T. -0.00 min  
 Lab File: VX013396.D  
 Acq: 12 Nov 2019 19:34

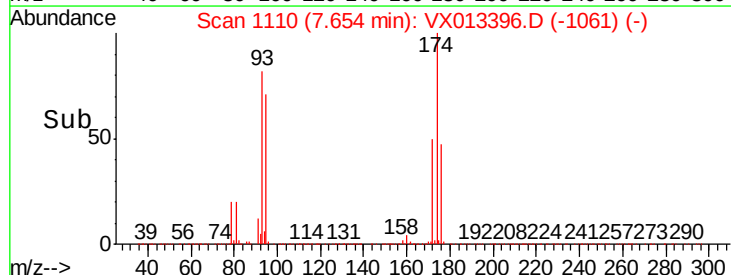
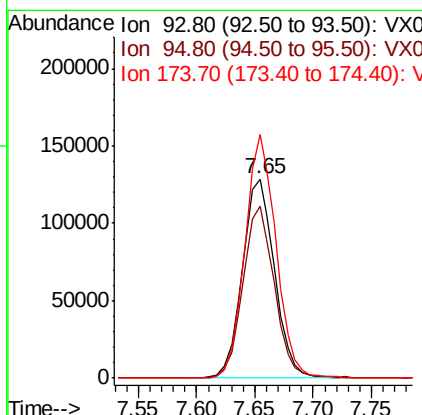
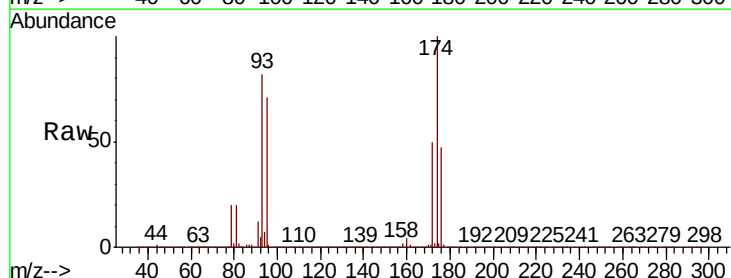
Instrument :  
 MSVOA\_X  
 ClientSampleId :

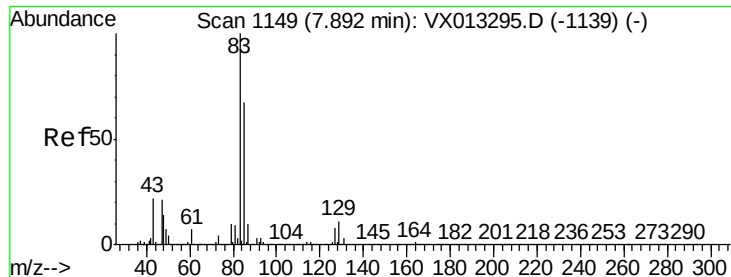
Tot Ion: 63 Resp: 382978  
 Ion Ratio Lower Upper  
 63 100  
 65 31.0 24.3 36.5



#46  
 Dibromomethane  
 Concen: 49.250 ug/l  
 RT: 7.65 min Scan# 1110  
 Delta R.T. -0.00 min  
 Lab File: VX013396.D  
 Acq: 12 Nov 2019 19:34

Tgt Ion: 93 Resp: 248237  
 Ion Ratio Lower Upper  
 93 100  
 95 84.2 65.8 98.6  
 174 119.1 90.4 135.6





#47

Bromodichloromethane

Concen: 52.594 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

Instrument :

MSVOA\_X

ClientSampleId :

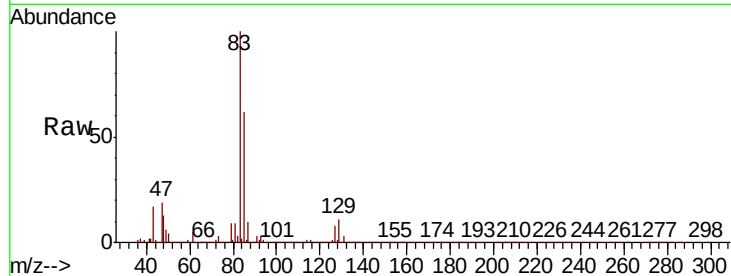
Tot Ion: 83 Resp: 499880

Ion Ratio Lower Upper

83 100

85 62.3 53.7 80.5

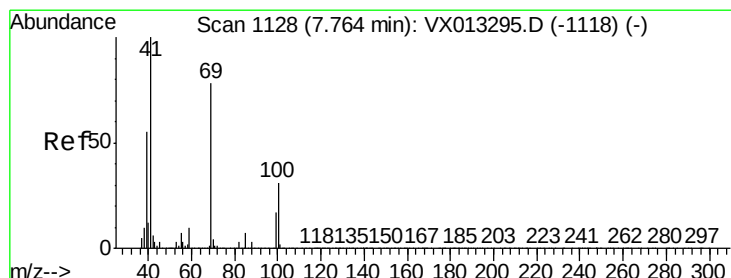
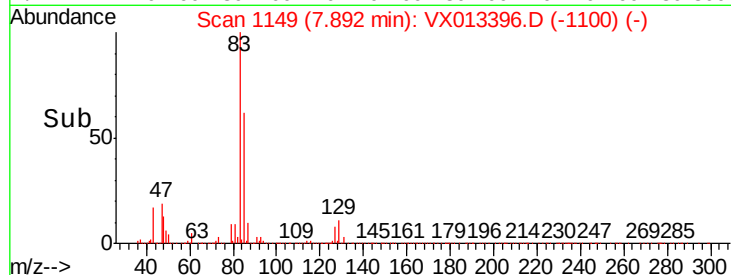
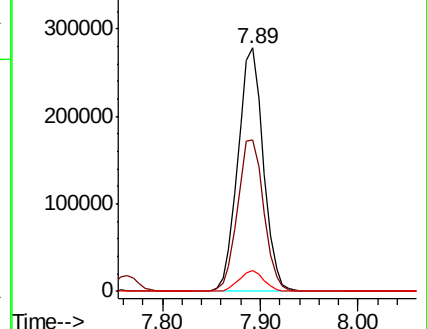
127 8.3 6.4 9.6



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: 51.695 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

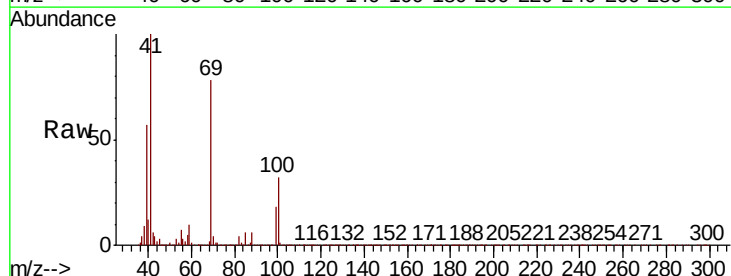
Tgt Ion: 41 Resp: 461830

Ion Ratio Lower Upper

41 100

69 81.8 63.0 94.6

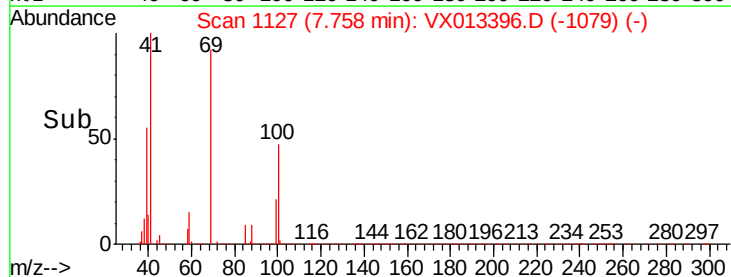
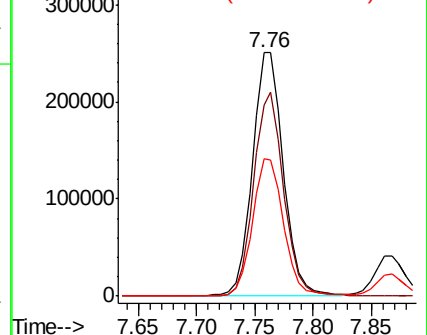
39 56.8 45.9 68.9

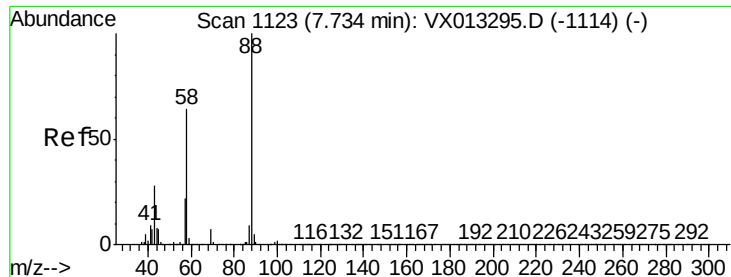


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

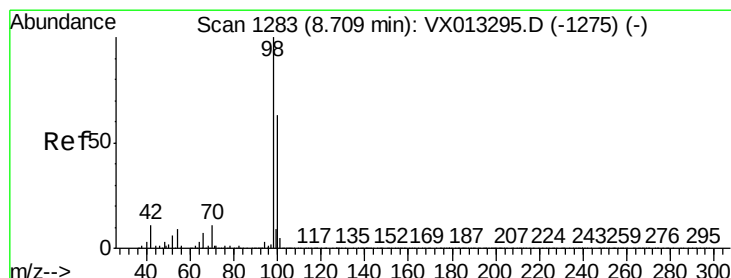
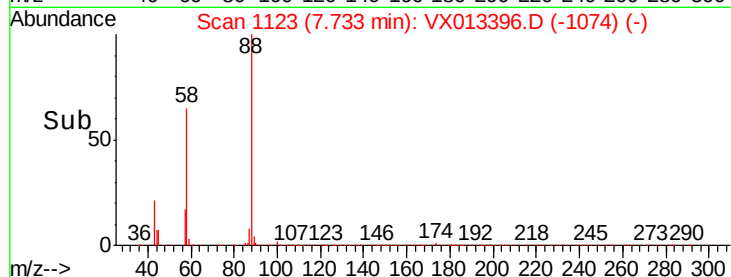
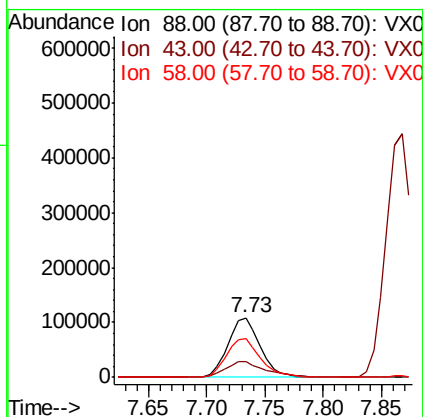
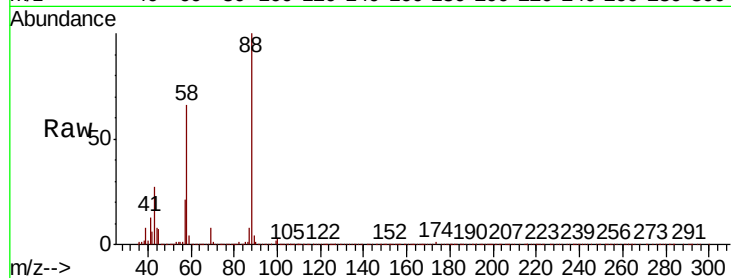




#49  
1,4-Dioxane  
Concen: 1011.188 ug/l  
RT: 7.73 min Scan# 1123  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

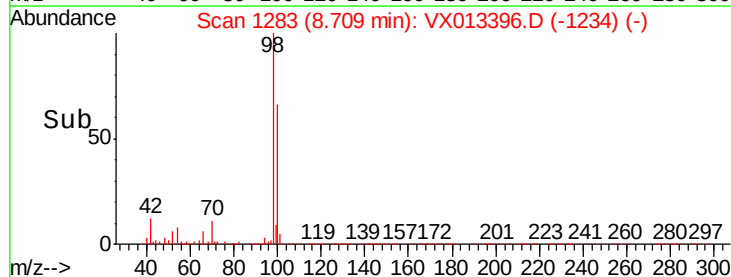
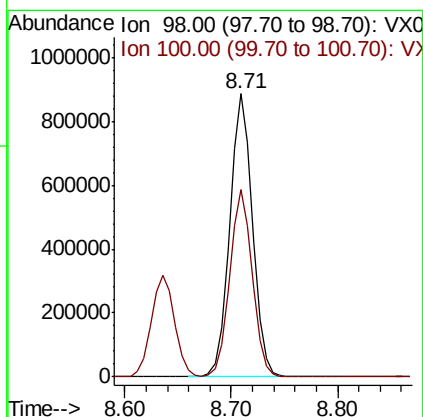
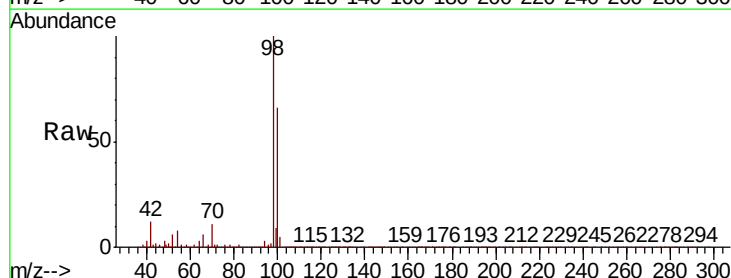
Instrument :  
MSVOA\_X  
ClientSampleId :

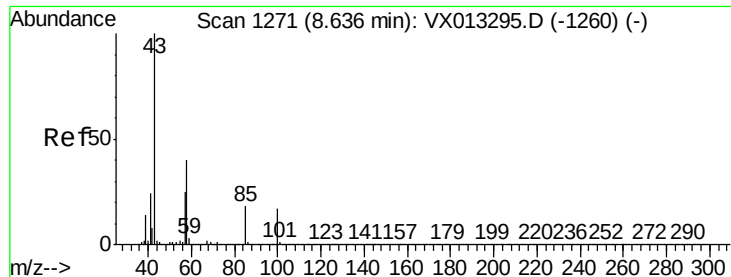
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 32.5  | 26.6  | 39.8  |
| 58      | 69.2  | 55.0  | 82.6  |



#50  
Toluene-d8  
Concen: 51.615 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.7  | 52.2  | 78.2  |





#51

4-Methyl-2-Pentanone

Concen: 250.369 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

Instrument :

MSVOA\_X

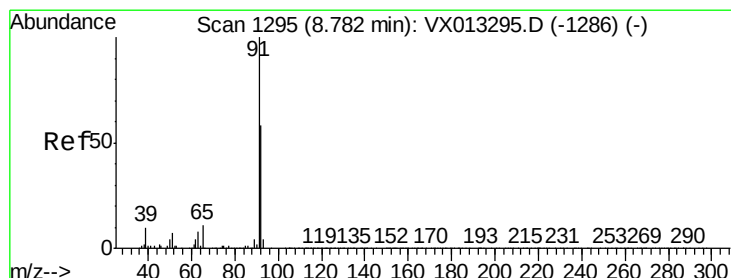
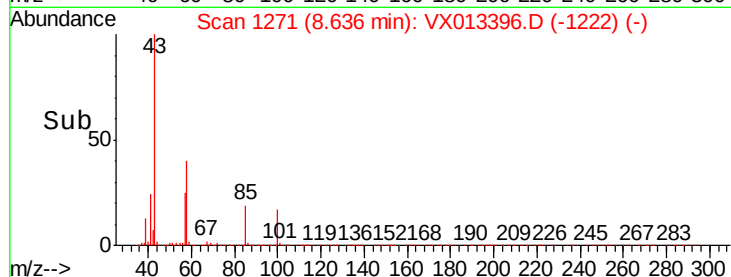
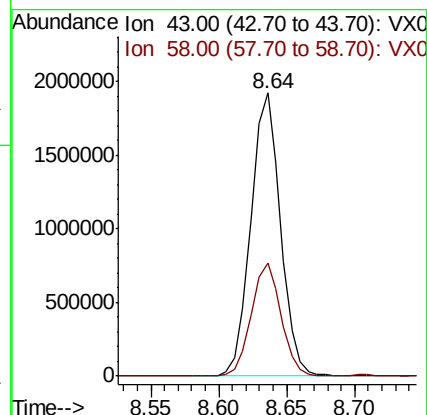
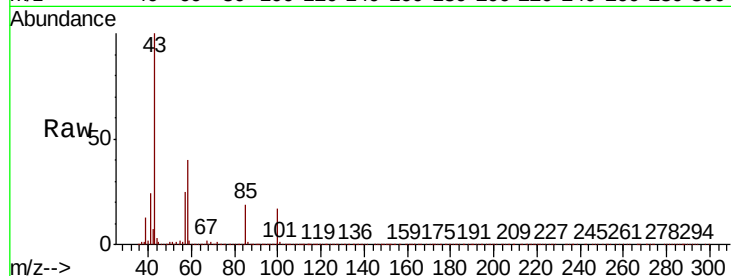
ClientSampleId :

Tot Ion: 43 Resp: 2939791

Ion Ratio Lower Upper

43 100

58 40.1 31.4 47.0



#52

Toluene

Concen: 52.067 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013396.D

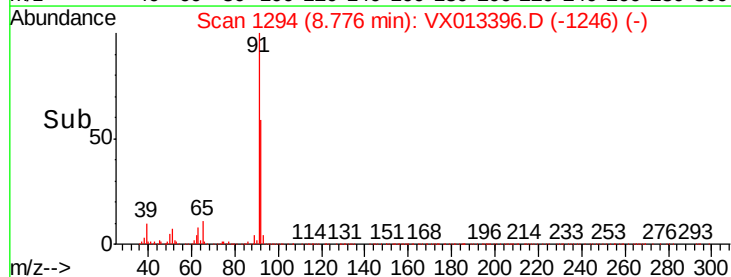
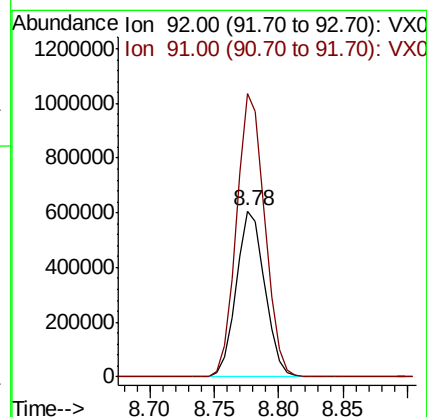
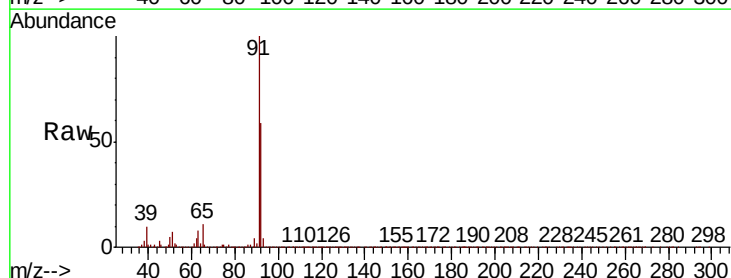
Acq: 12 Nov 2019 19:34

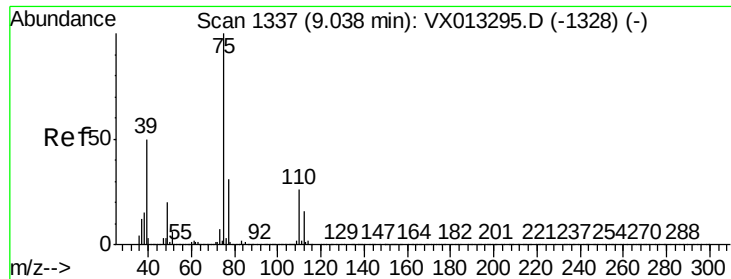
Tgt Ion: 92 Resp: 934981

Ion Ratio Lower Upper

92 100

91 170.1 138.0 207.0

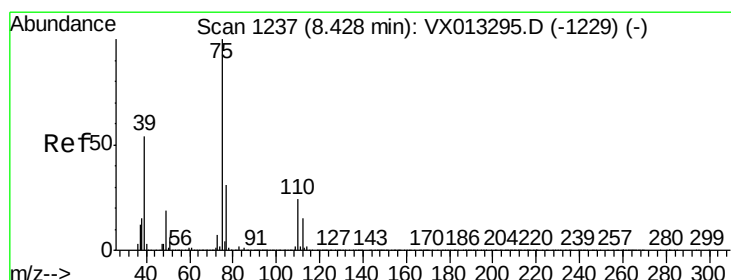
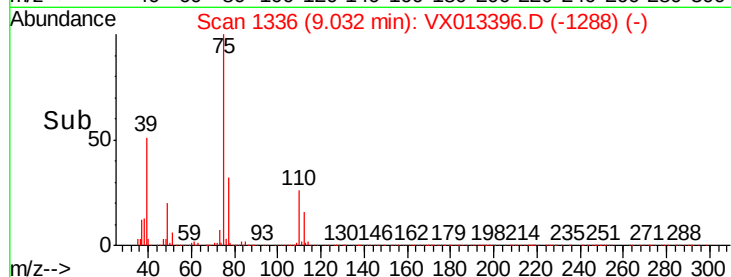
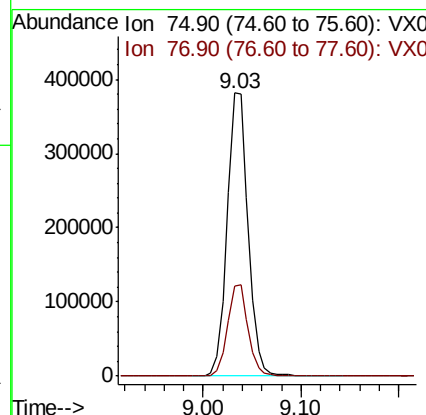
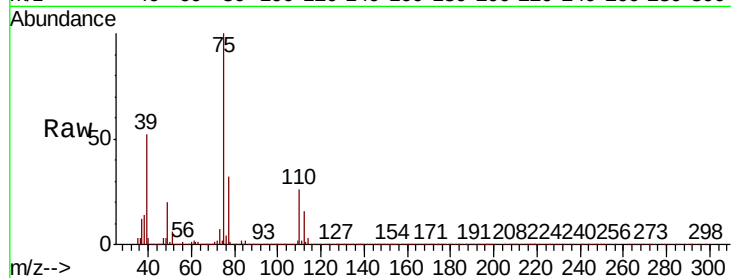




#53  
t-1,3-Dichloropropene  
Concen: 54.296 ug/l  
RT: 9.03 min Scan# 1336  
Delta R.T. -0.01 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

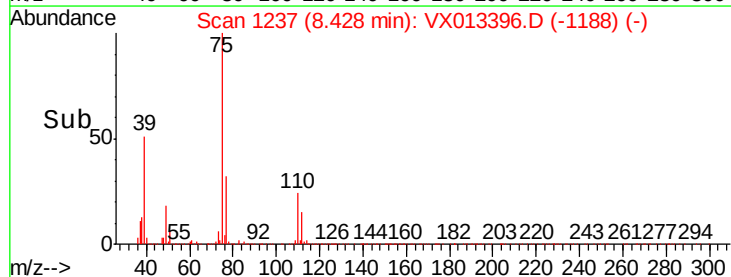
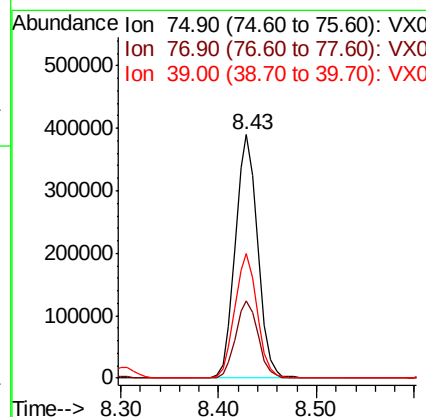
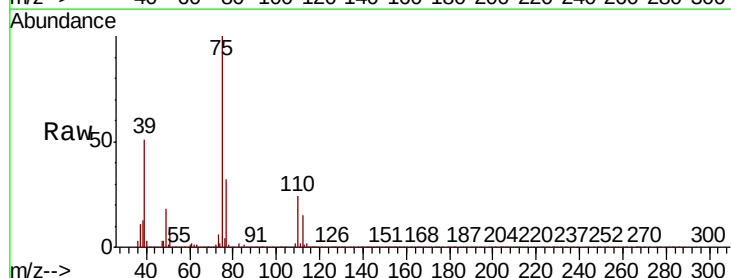
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 75 Resp: 564303  
Ion Ratio Lower Upper  
75 100  
77 32.0 25.0 37.4

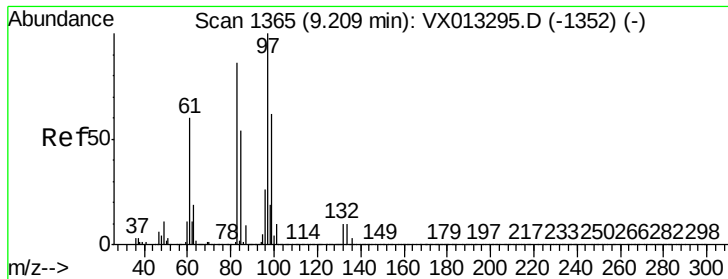


#54  
cis-1,3-Dichloropropene  
Concen: 53.165 ug/l  
RT: 8.43 min Scan# 1237  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

Tgt Ion: 75 Resp: 618090  
Ion Ratio Lower Upper  
75 100  
77 31.6 24.7 37.1  
39 51.2 43.0 64.6







#55

1,1,2-Trichloroethane

Concen: 52.364 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 97 Resp: 389751

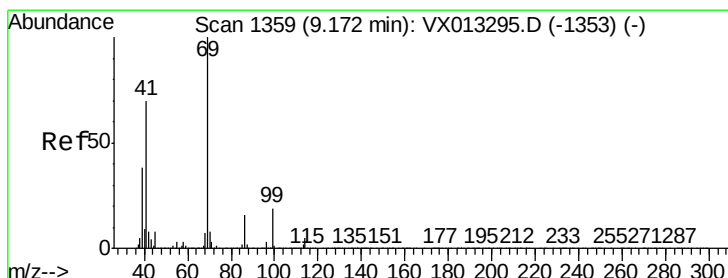
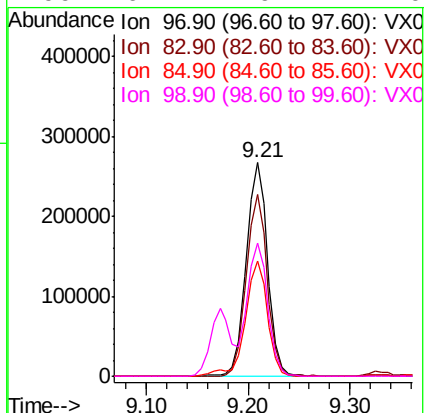
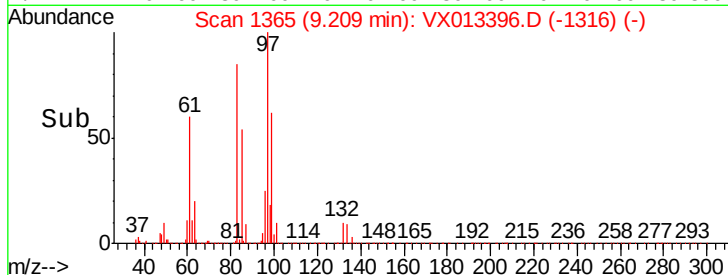
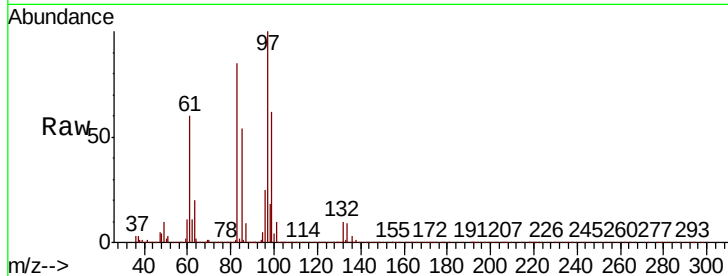
Ion Ratio Lower Upper

97 100

83 85.1 68.6 103.0

85 53.9 43.1 64.7

99 62.1 49.4 74.0



#56

Ethyl methacrylate

Concen: 49.393 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

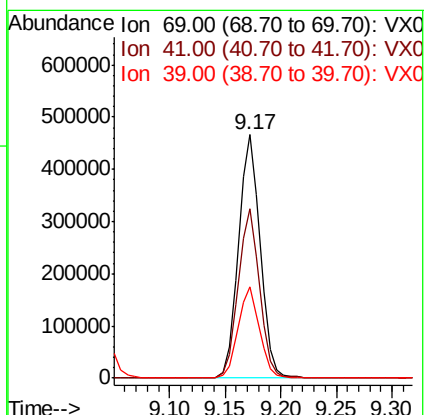
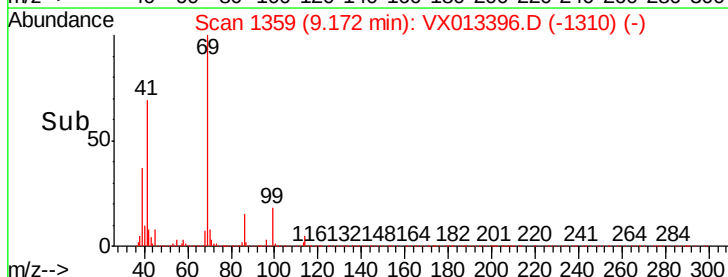
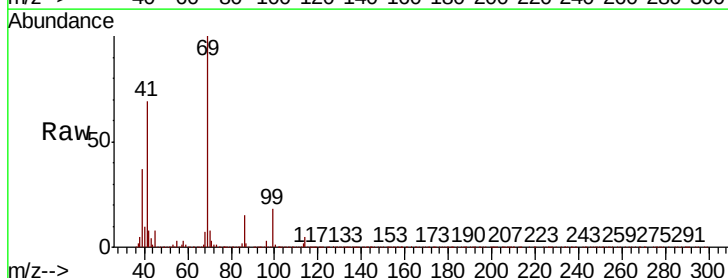
Tgt Ion: 69 Resp: 627373

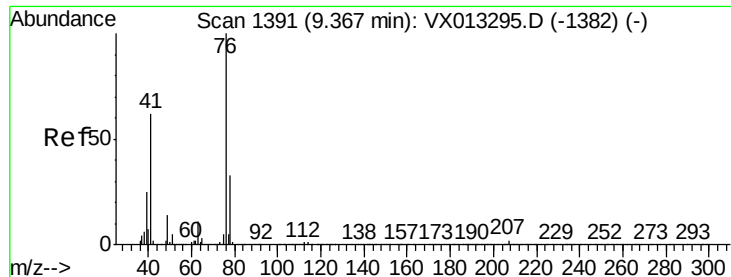
Ion Ratio Lower Upper

69 100

41 68.4 56.2 84.2

39 36.7 31.1 46.7





#57

1,3-Dichloropropane

Concen: 51.364 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

Instrument :

MSVOA\_X

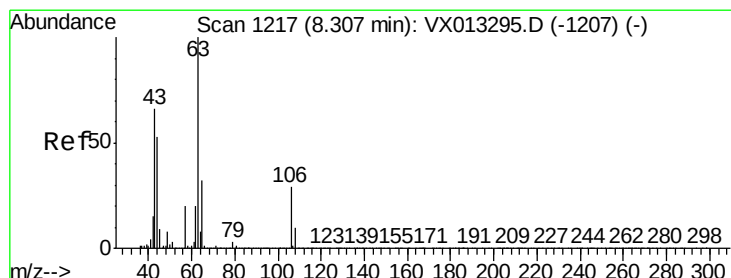
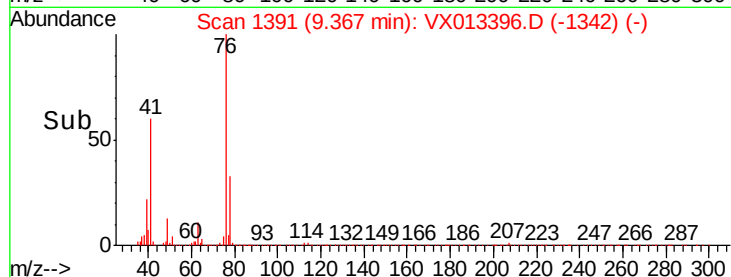
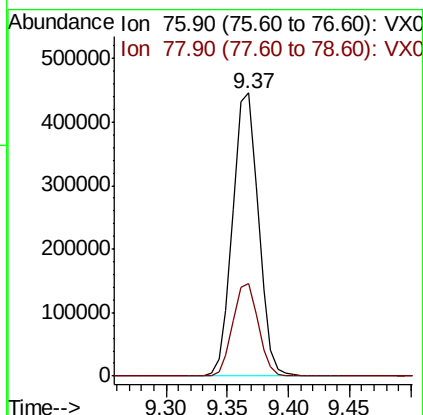
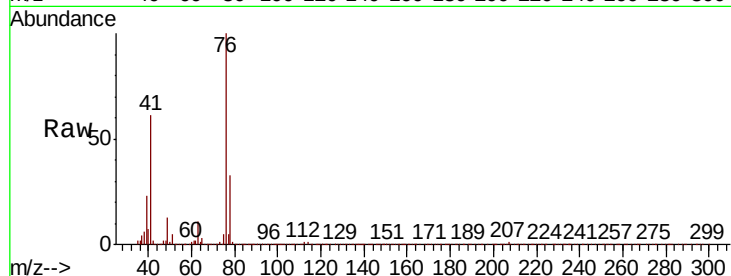
ClientSampleId :

Tot Ion: 76 Resp: 648976

Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 250.974 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX013396.D

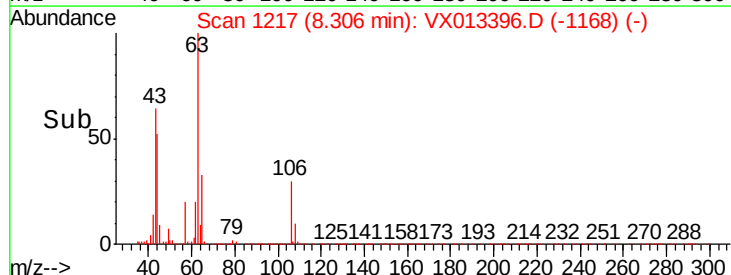
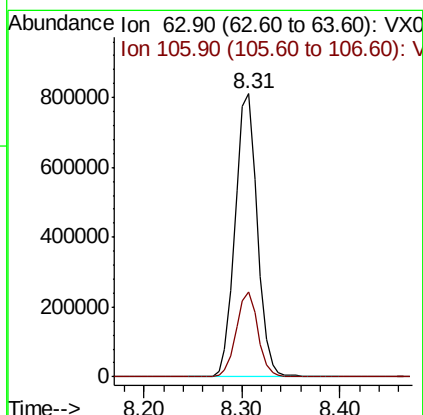
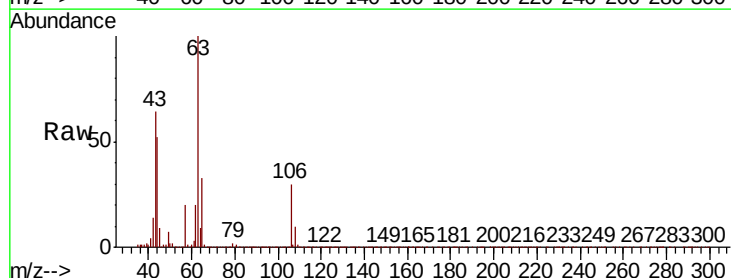
Acq: 12 Nov 2019 19:34

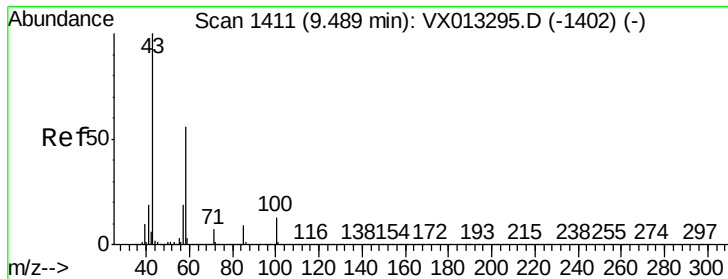
Tgt Ion: 63 Resp: 1277254

Ion Ratio Lower Upper

63 100

106 29.4 23.4 35.2





#59

2-Hexanone

Concen: 251.076 ug/l

RT: 9.48 min Scan# 1410

Delta R.T. -0.01 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

Instrument :

MSVOA\_X

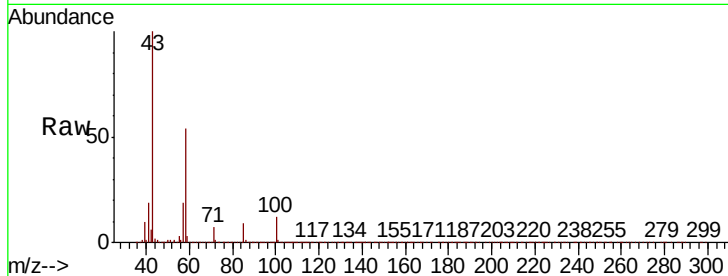
ClientSampleId :

Tot Ion: 43 Resp: 2278222

Ion Ratio Lower Upper

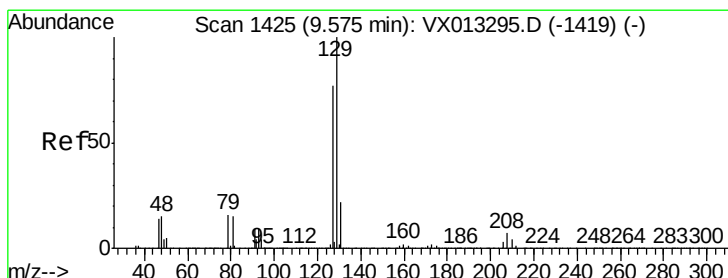
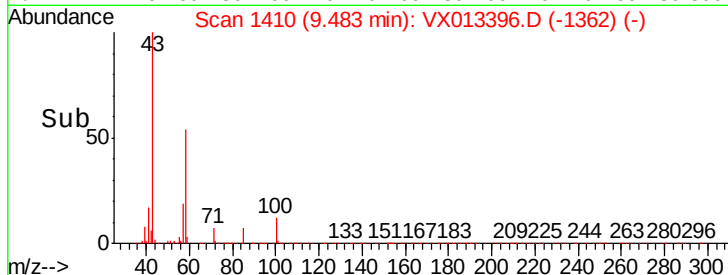
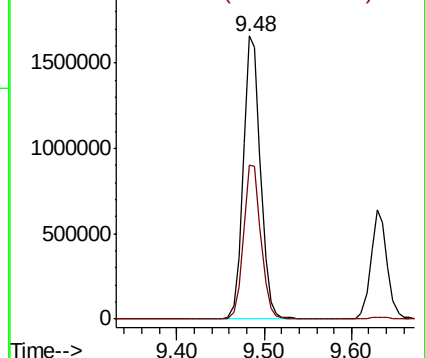
43 100

58 55.4 27.3 81.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#60

Dibromochloromethane

Concen: 54.312 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.00 min

Lab File: VX013396.D

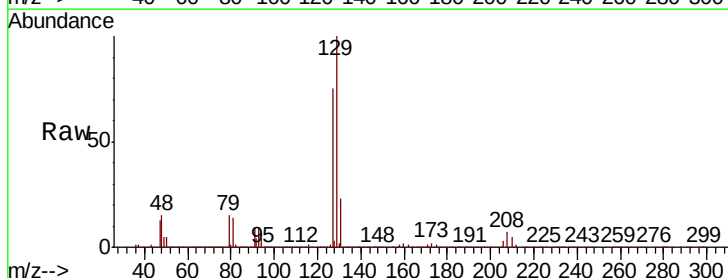
Acq: 12 Nov 2019 19:34

Tgt Ion: 129 Resp: 413433

Ion Ratio Lower Upper

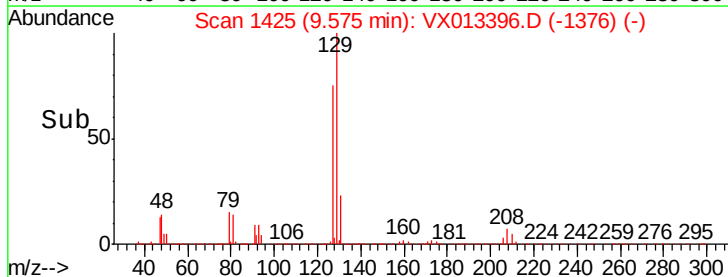
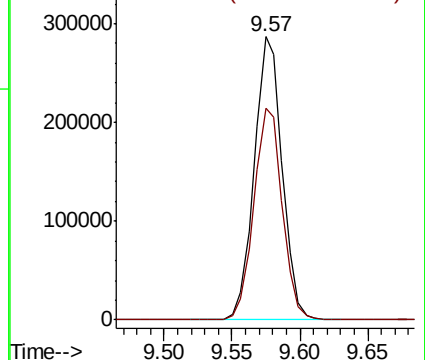
129 100

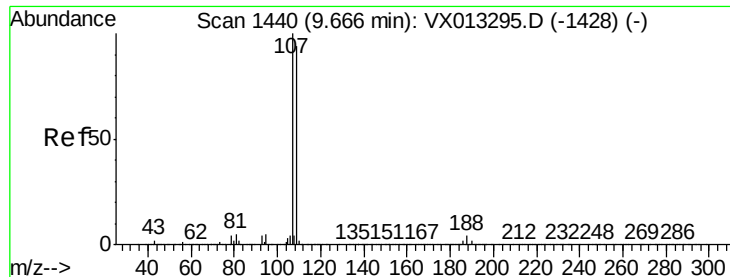
127 76.1 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 51.333 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

Instrument :

MSVOA\_X

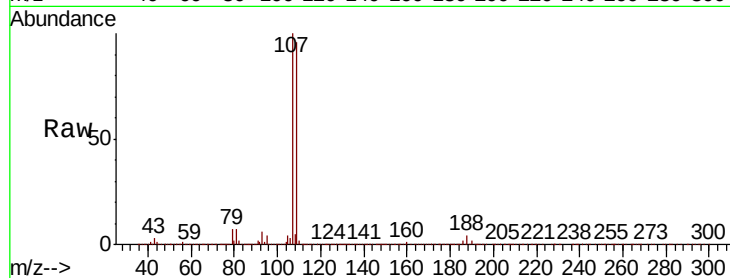
ClientSampleId :

Tot Ion:107 Resp: 405716

Ion Ratio Lower Upper

107 100

109 94.1 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

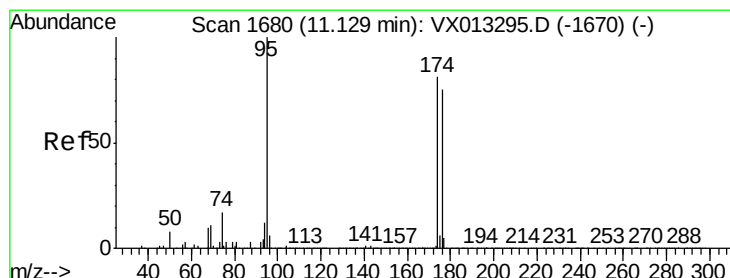
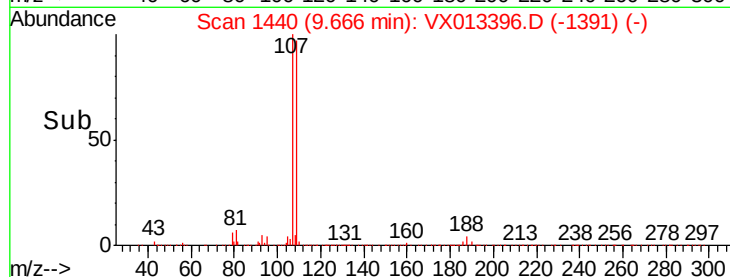
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.640 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

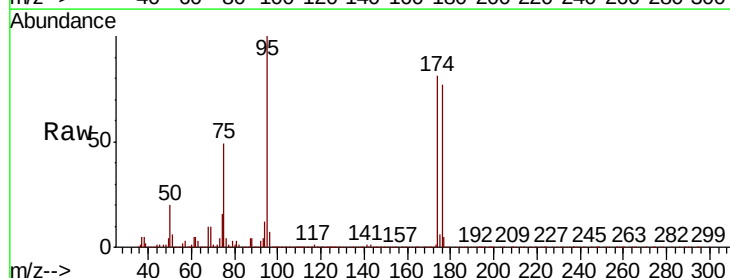
Tgt Ion: 95 Resp: 477789

Ion Ratio Lower Upper

95 100

174 89.9 0.0 179.8

176 86.6 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

500000

400000

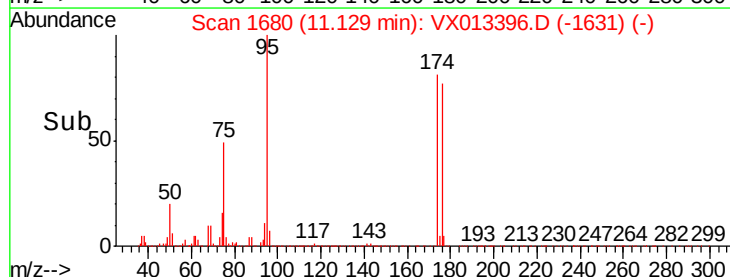
300000

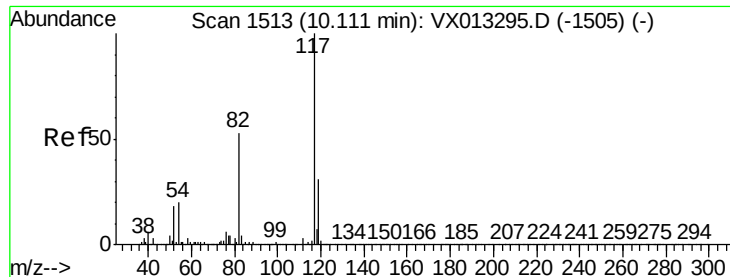
200000

100000

0

Time-->

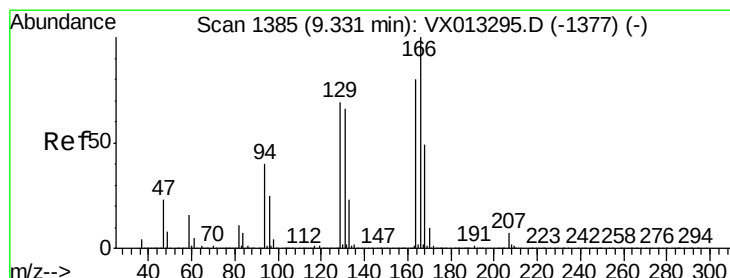
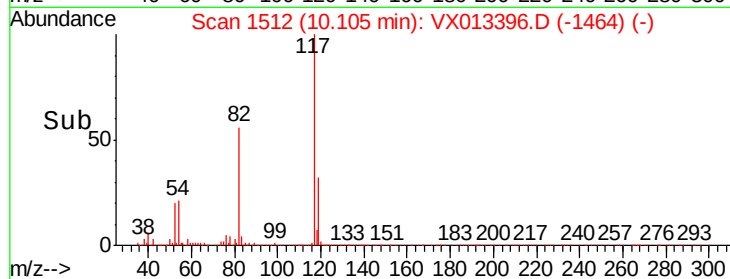
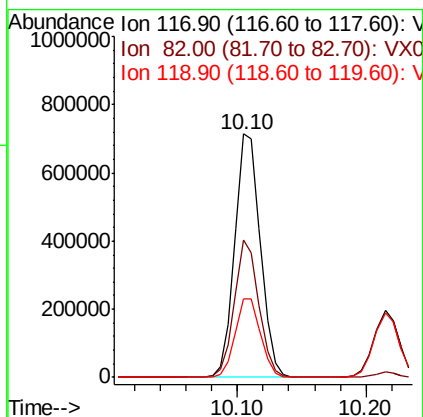
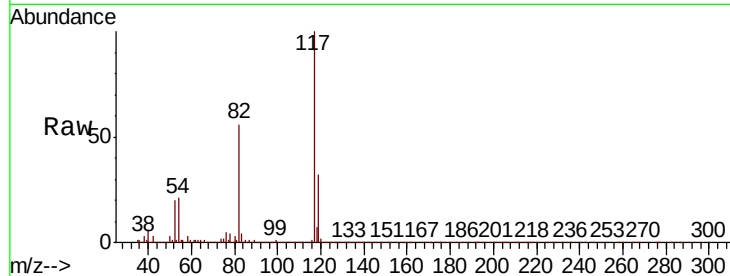




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1512  
Delta R.T. -0.01 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

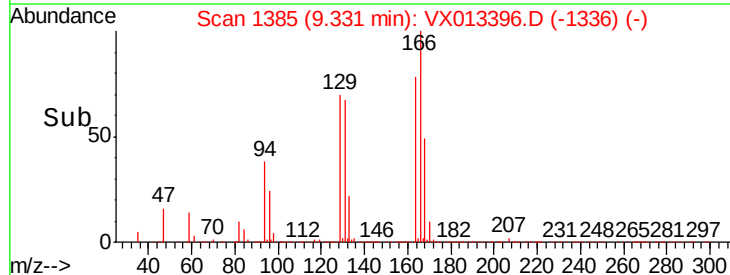
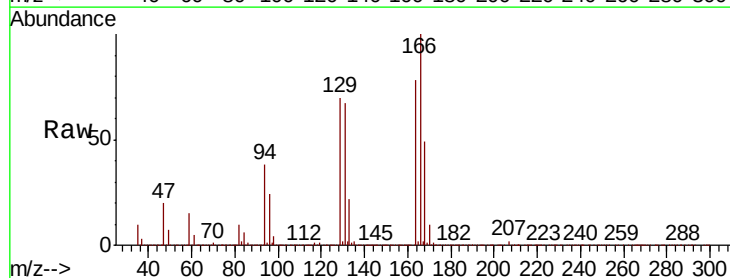
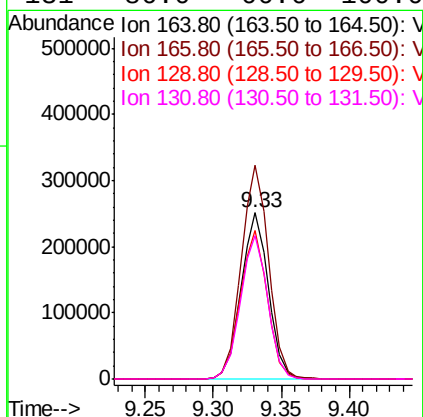
Instrument :  
MSVOA\_X  
ClientSampleId :

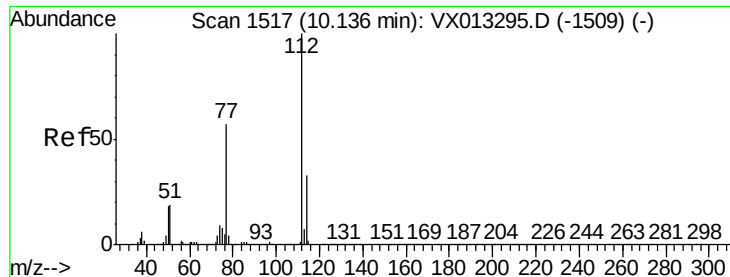
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.2  | 42.6  | 64.0  |
| 119     | 32.1  | 24.8  | 37.2  |



#64  
Tetrachloroethene  
Concen: 49.377 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.4 | 100.4 | 150.6 |
| 129     | 89.5  | 69.4  | 104.2 |
| 131     | 86.0  | 66.6  | 100.0 |

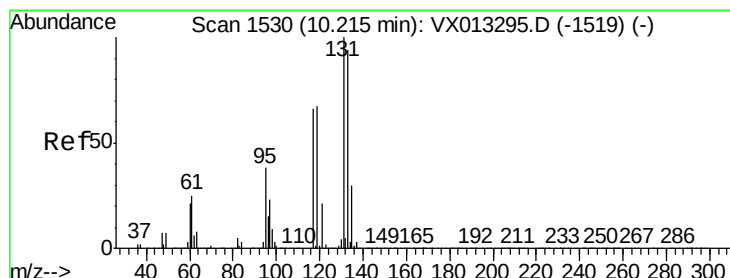
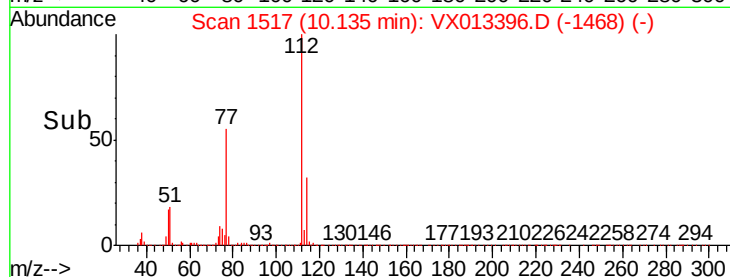
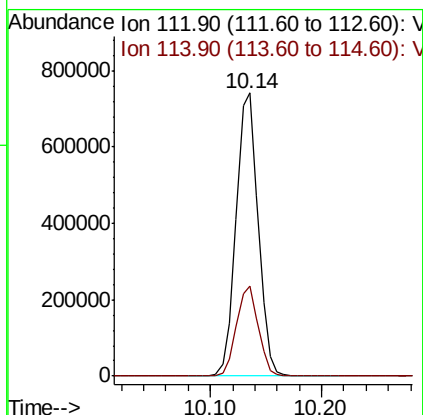
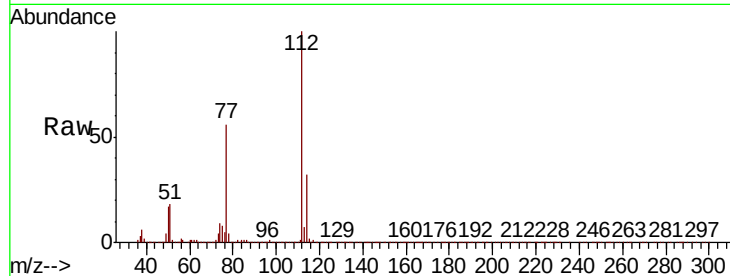




#65  
Chlorobenzene  
Concen: 50.671 ug/l  
RT: 10.14 min Scan# 1517  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

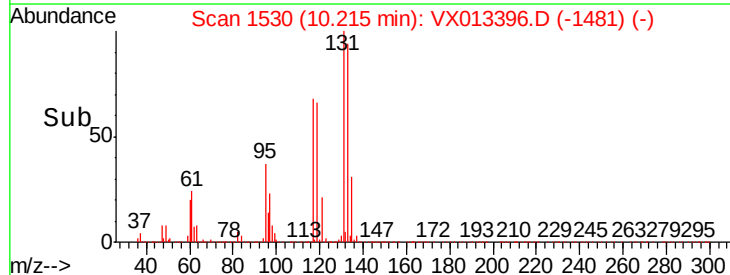
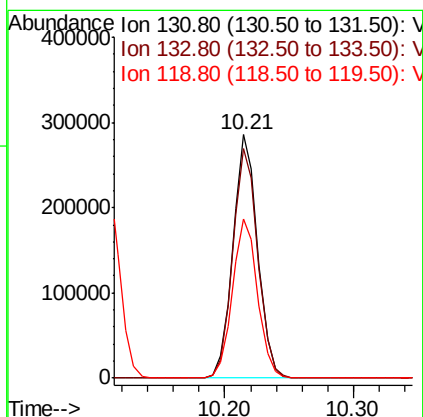
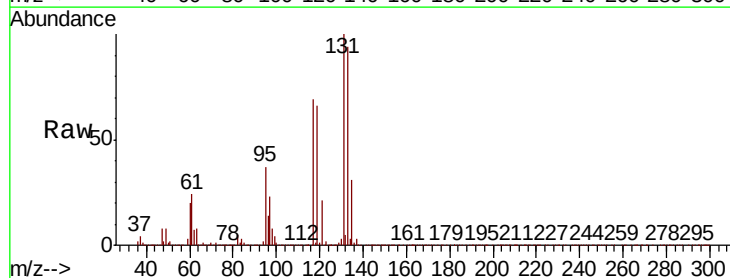
Instrument :  
MSVOA\_X  
ClientSampleId :

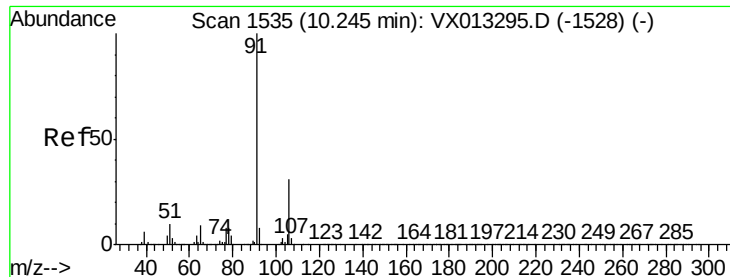
Tot Ion:112 Resp: 1015464  
Ion Ratio Lower Upper  
112 100  
114 31.7 26.4 39.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.705 ug/l  
RT: 10.21 min Scan# 1530  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

Tgt Ion:131 Resp: 380461  
Ion Ratio Lower Upper  
131 100  
133 95.9 48.0 144.0  
119 66.5 33.0 99.0





#67

Ethyl Benzene

Concen: 51.366 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

Instrument :

MSVOA\_X

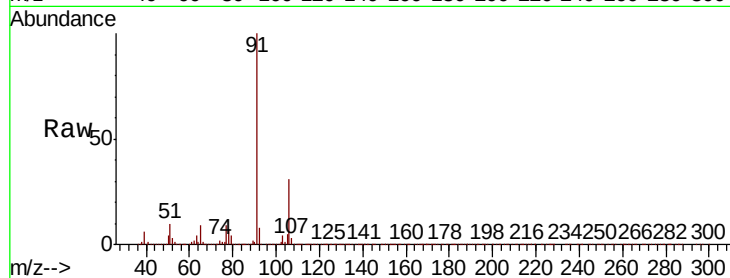
ClientSampleId :

Tot Ion: 91 Resp: 1776599

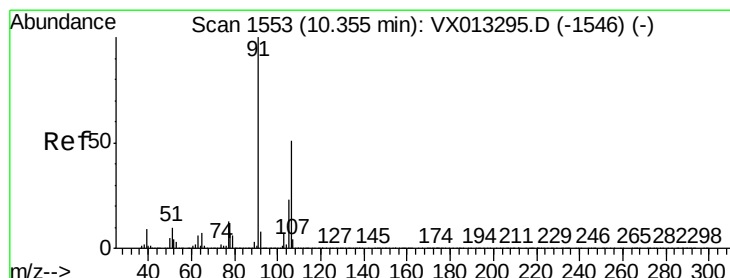
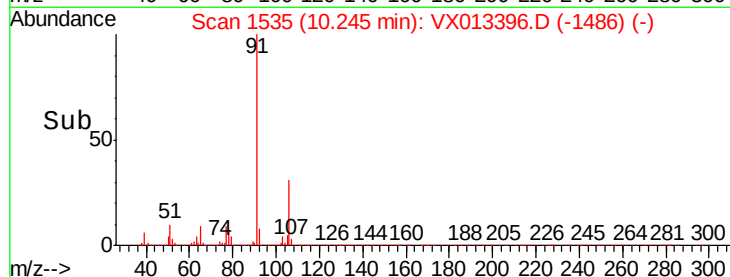
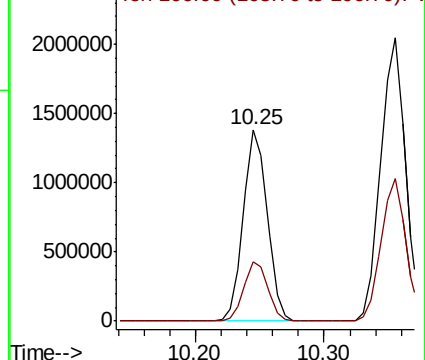
Ion Ratio Lower Upper

91 100

106 31.2 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX013396.D (-1528) (-)



#68

m/p-Xylenes

Concen: 104.263 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013396.D

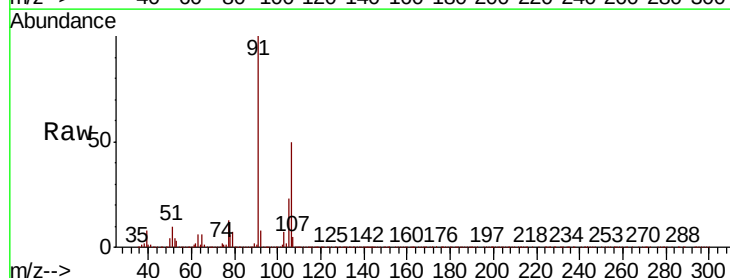
Acq: 12 Nov 2019 19:34

Tgt Ion: 106 Resp: 1363825

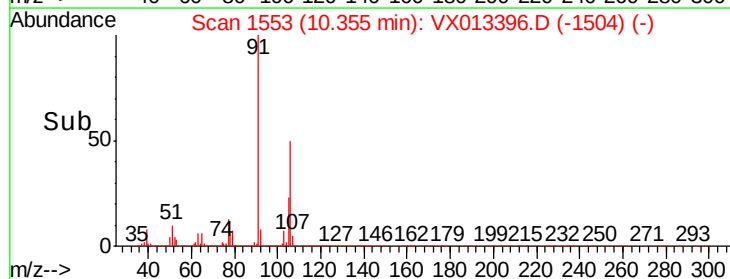
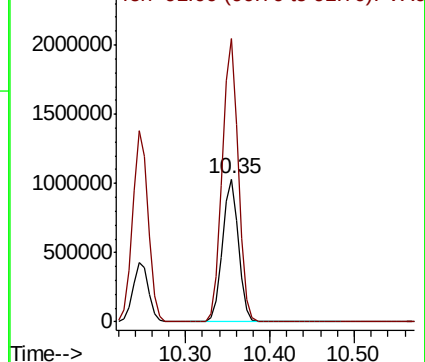
Ion Ratio Lower Upper

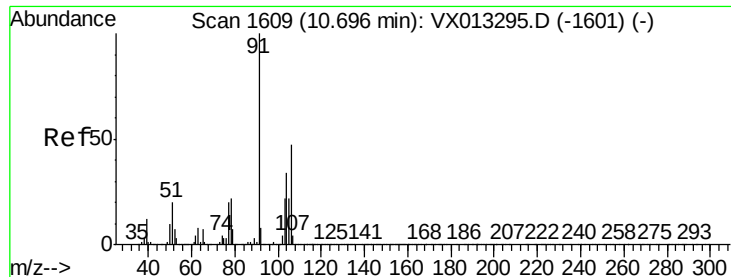
106 100

91 198.3 159.3 238.9



Abundance Ion 106.00 (105.70 to 106.70): VX013396.D (-1546) (-)

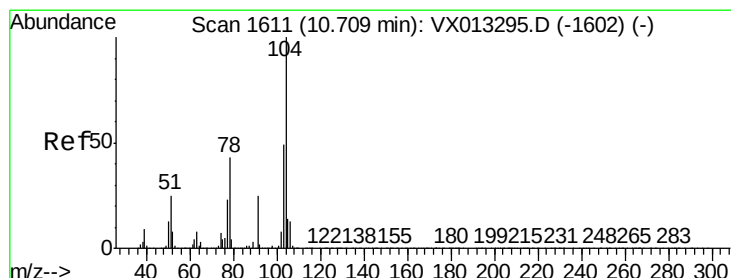
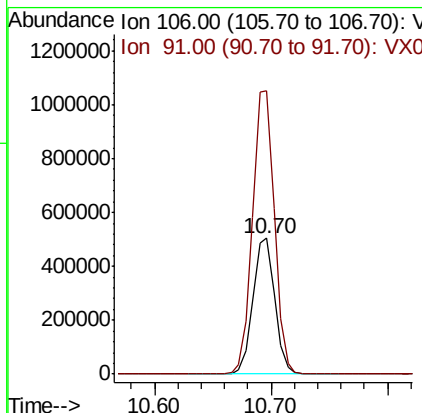
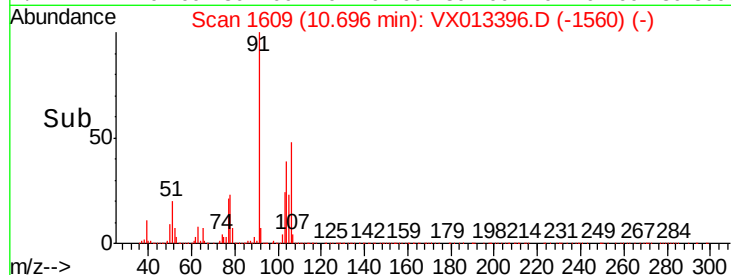
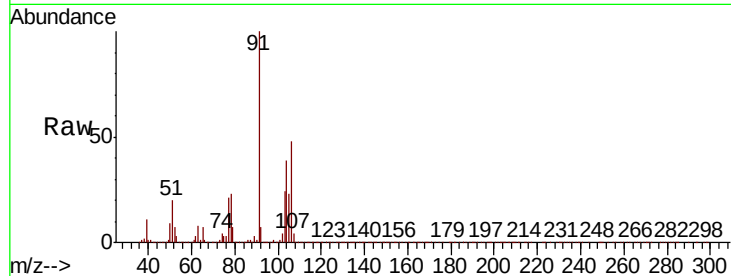




#69  
o-Xylene  
Concen: 51.483 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

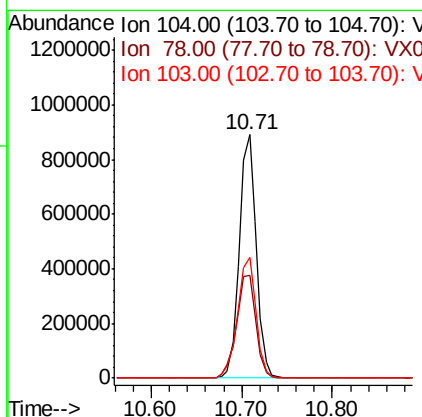
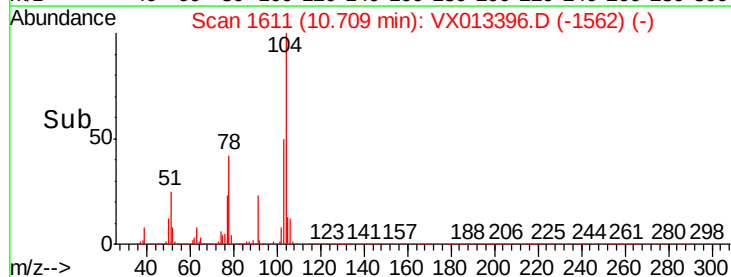
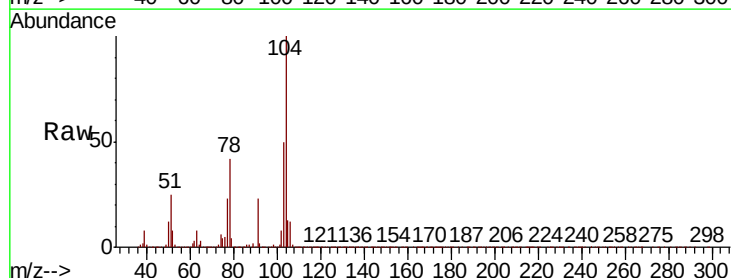
Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion:106 Resp: 659311  
Ion Ratio Lower Upper  
106 100  
91 210.4 105.7 317.0

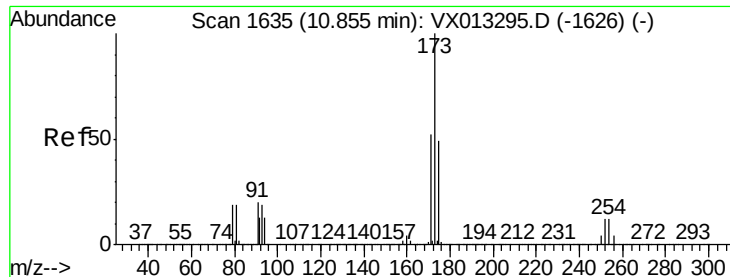


#70  
Styrene  
Concen: 53.593 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

Tgt Ion:104 Resp: 1147272  
Ion Ratio Lower Upper  
104 100  
78 48.6 40.0 60.0  
103 54.2 44.1 66.1



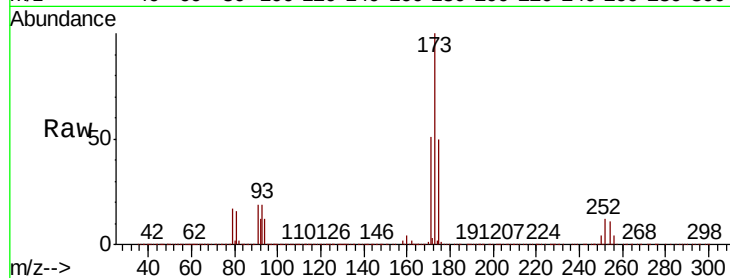




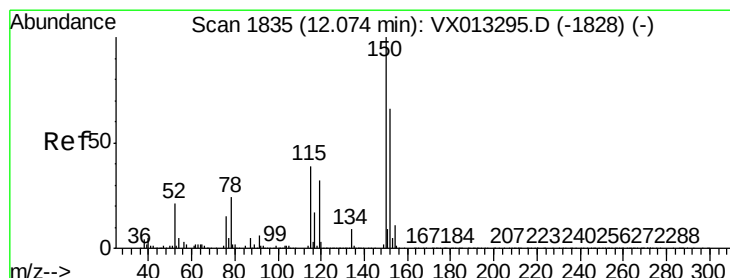
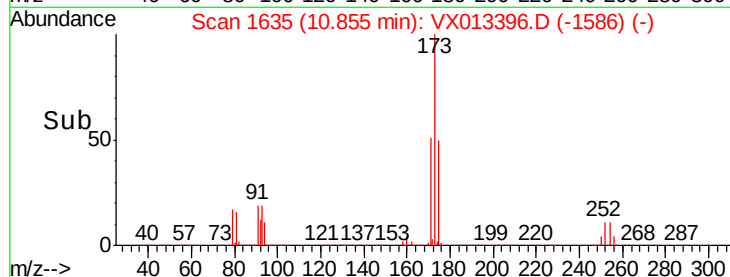
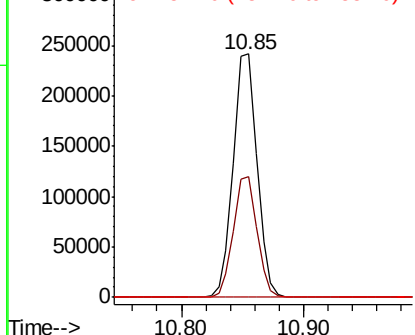
#71  
Bromoform  
Concen: 47.705 ug/l  
RT: 10.85 min Scan# 1635  
Delta R.T. 0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

Instrument :  
MSVOA\_X  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.5  | 24.8  | 74.4  |
| 254     | 0.2   | 0.2   | 0.2   |

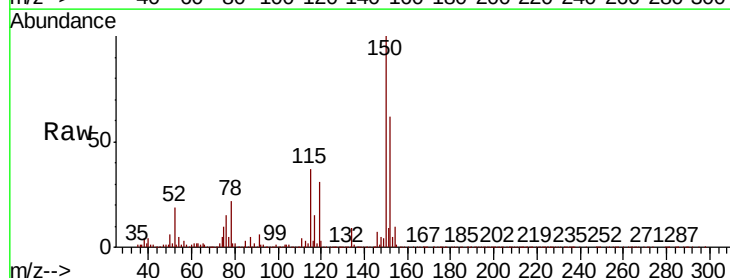


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

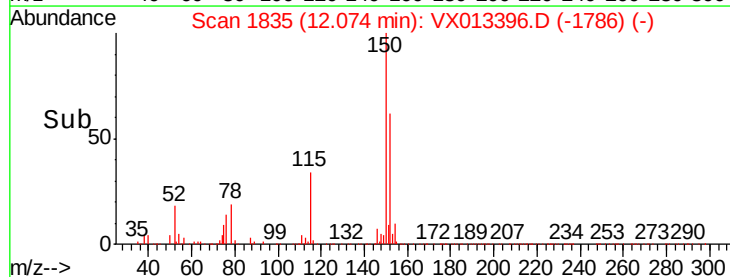
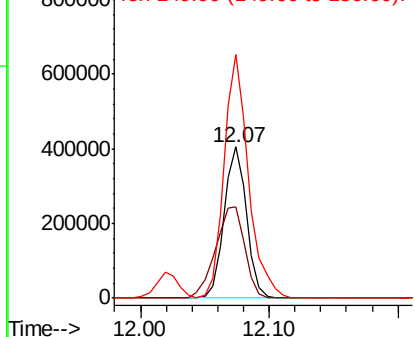


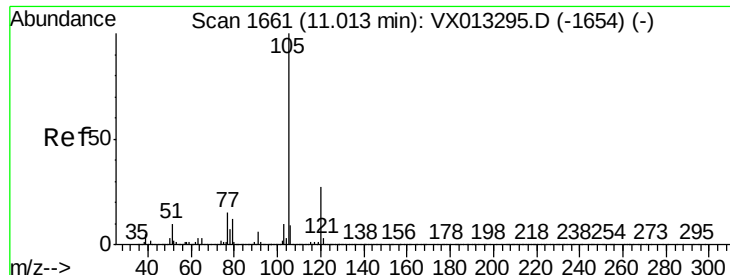
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 77.9  | 39.5  | 118.3 |
| 150     | 174.7 | 0.0   | 344.4 |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.695 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

Instrument :

MSVOA\_X

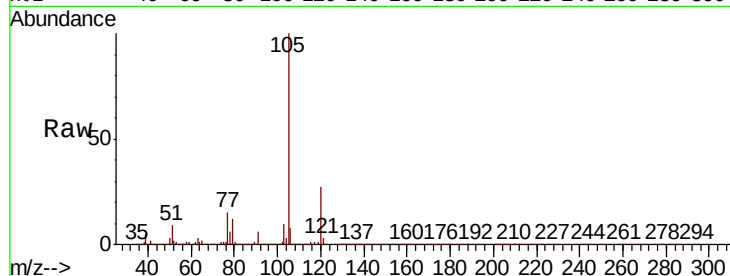
ClientSampleId :

Tot Ion:105 Resp: 1763687

Ion Ratio Lower Upper

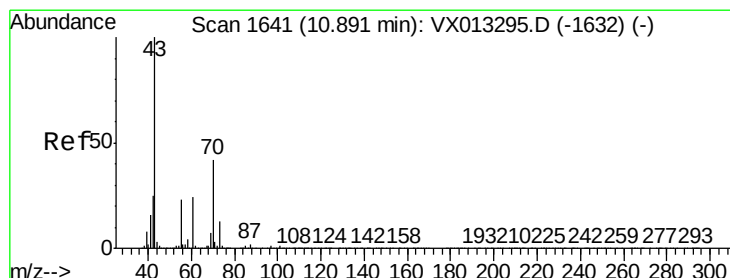
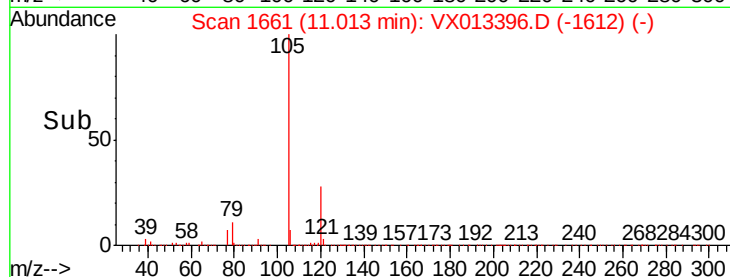
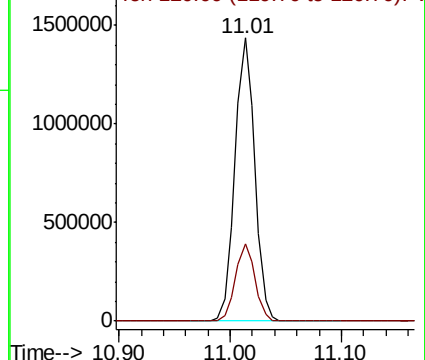
105 100

120 27.0 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.191 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

Tgt Ion: 43 Resp: 840647

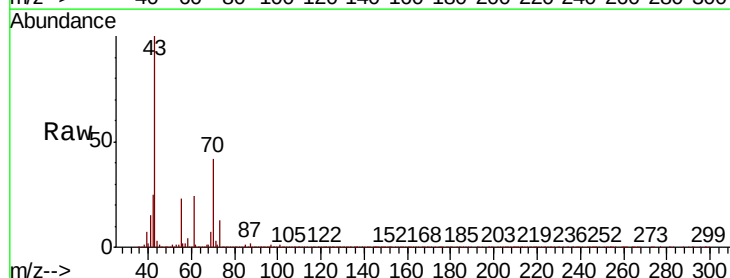
Ion Ratio Lower Upper

43 100

70 43.3 34.1 51.1

55 23.9 18.9 28.3

61 24.4 19.2 28.8

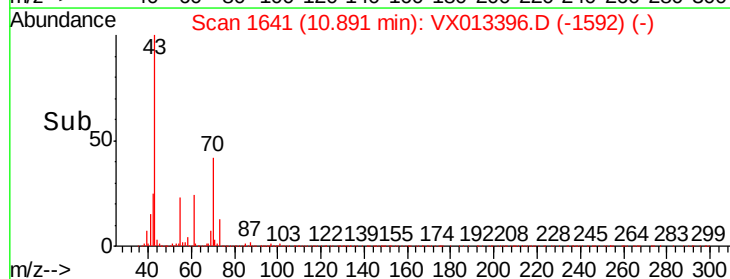
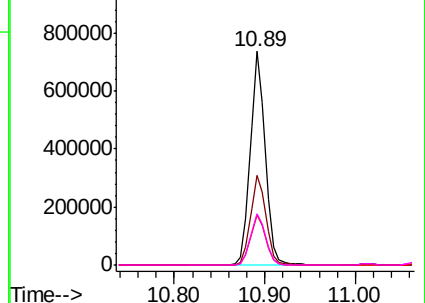


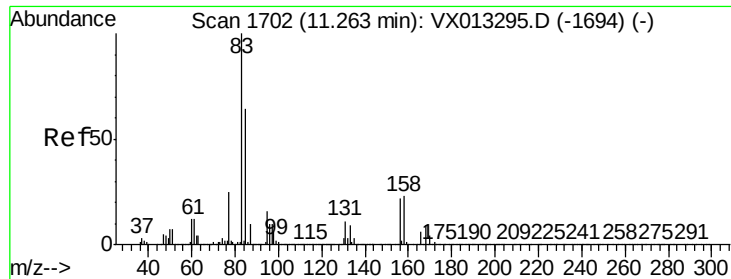
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.250 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

Instrument :

MSVOA\_X

ClientSampleId :

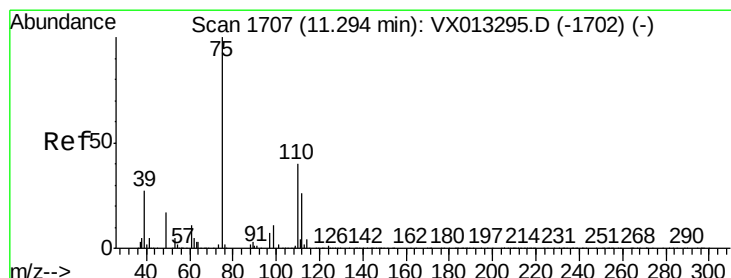
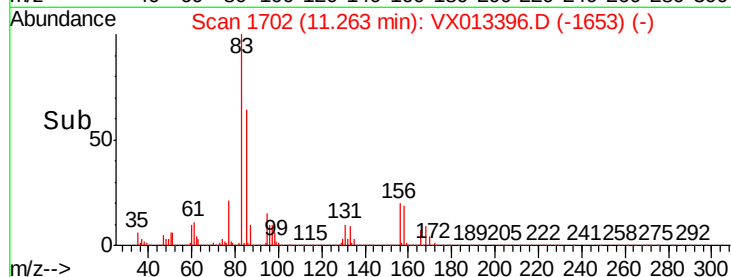
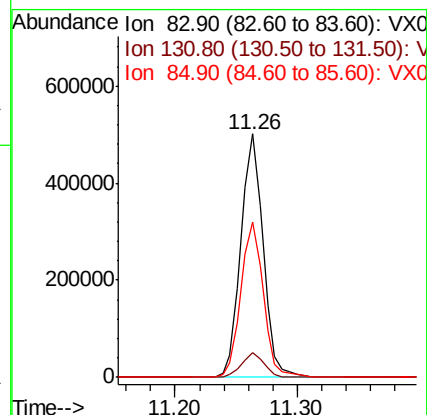
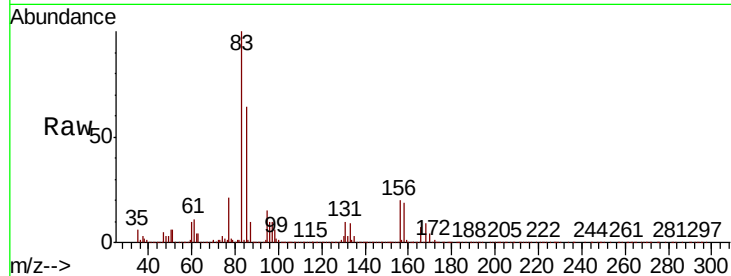
Tot Ion: 83 Resp: 626099

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.3

85 64.5 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 69.649 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX013396.D

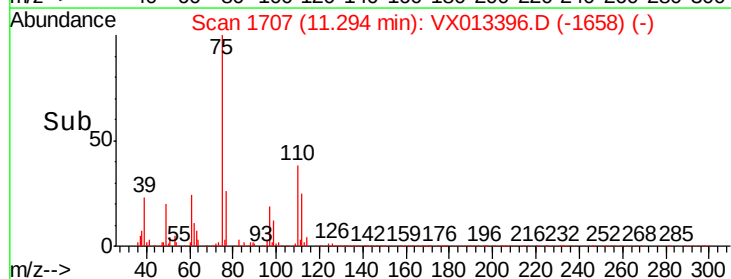
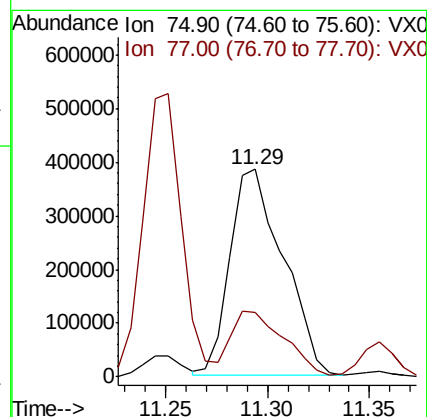
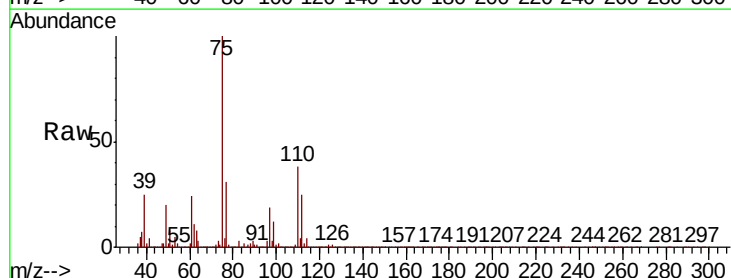
Acq: 12 Nov 2019 19:34

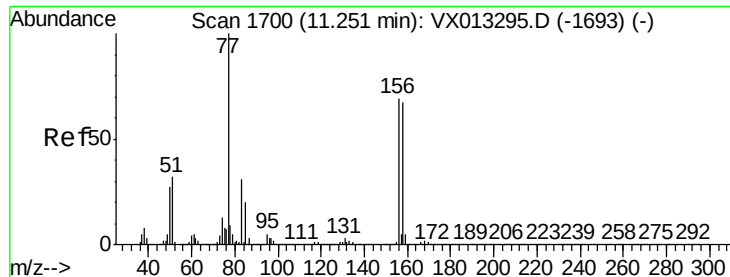
Tgt Ion: 75 Resp: 700838

Ion Ratio Lower Upper

75 100

77 31.2 22.3 66.8





#77

Bromobenzene

Concen: 52.590 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

Instrument :

MSVOA\_X

ClientSampleId :

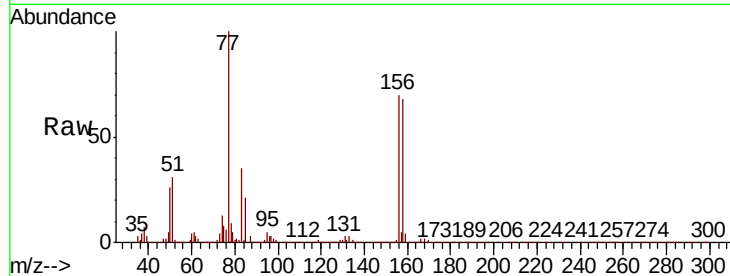
Tot Ion:156 Resp: 460497

Ion Ratio Lower Upper

156 100

77 151.3 75.8 227.4

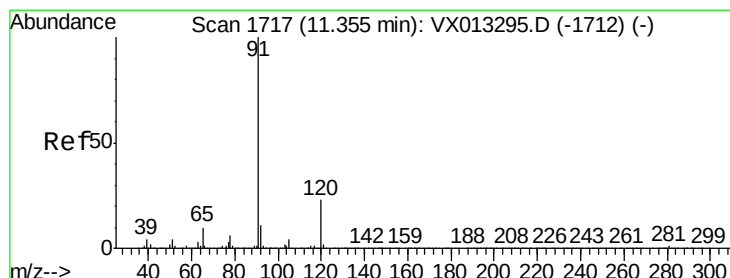
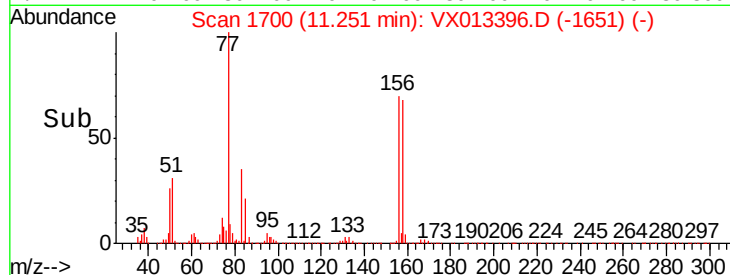
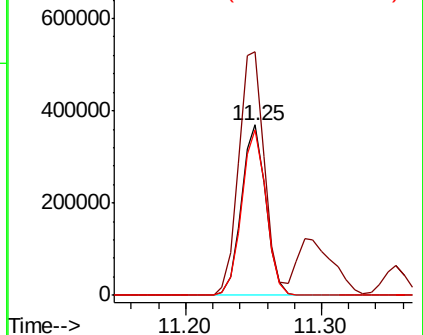
158 97.0 47.6 142.8



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: 54.520 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013396.D

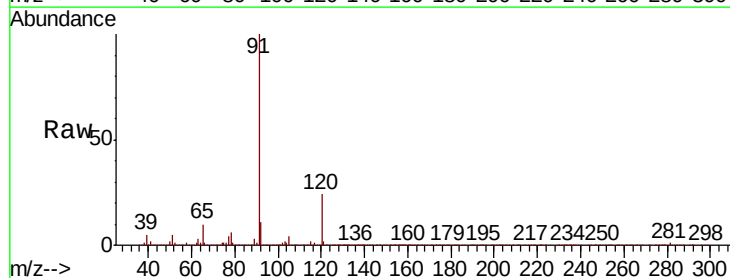
Acq: 12 Nov 2019 19:34

Tgt Ion: 91 Resp: 1994833

Ion Ratio Lower Upper

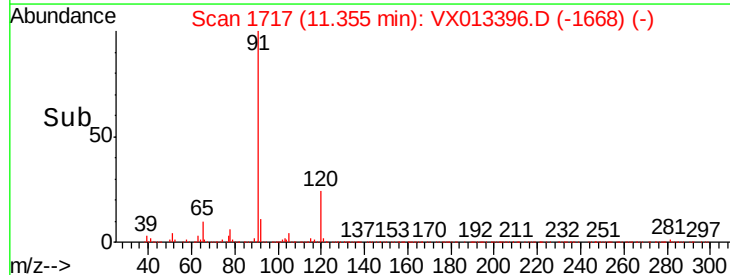
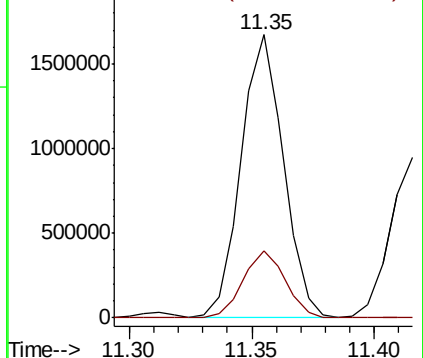
91 100

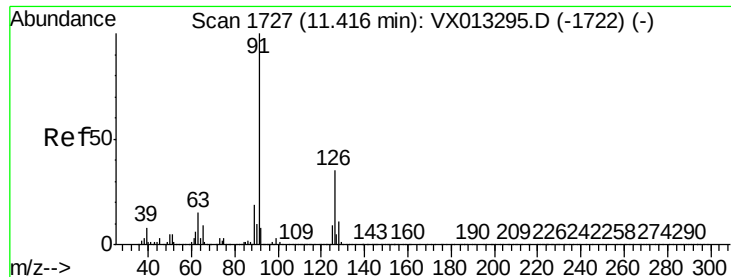
120 23.6 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.004 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

Instrument :

MSVOA\_X

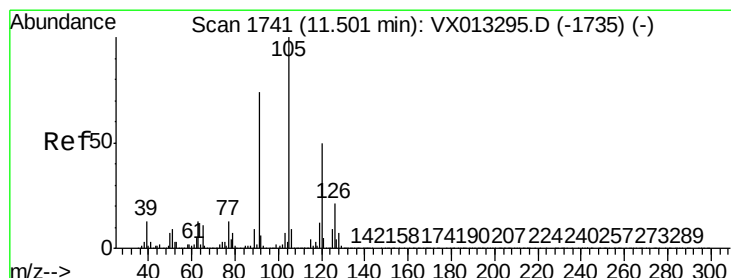
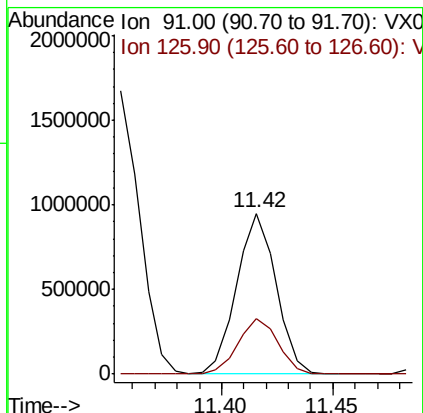
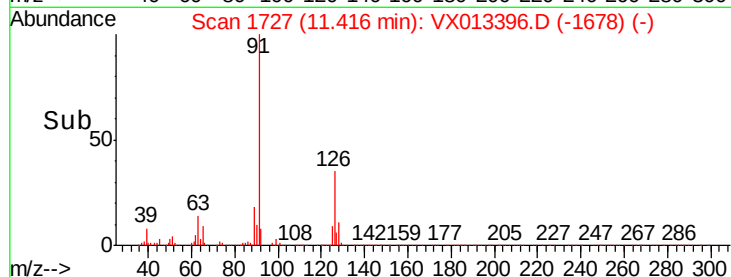
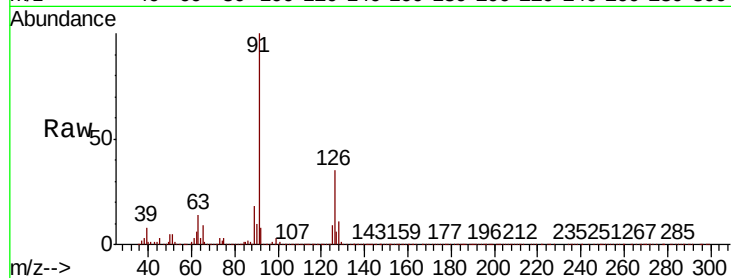
ClientSampleId :

Tot Ion: 91 Resp: 1168456

Ion Ratio Lower Upper

91 100

126 35.2 17.3 52.0



#80

1,3,5-Trimethylbenzene

Concen: 53.755 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013396.D

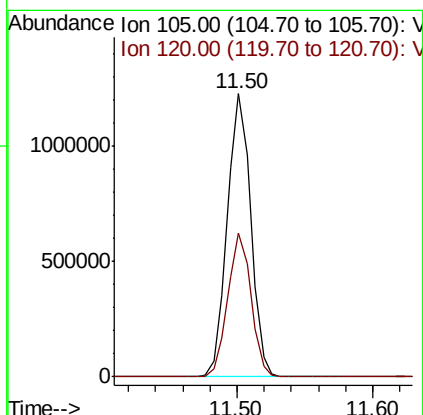
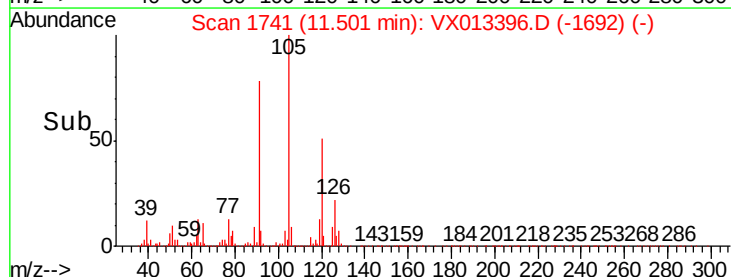
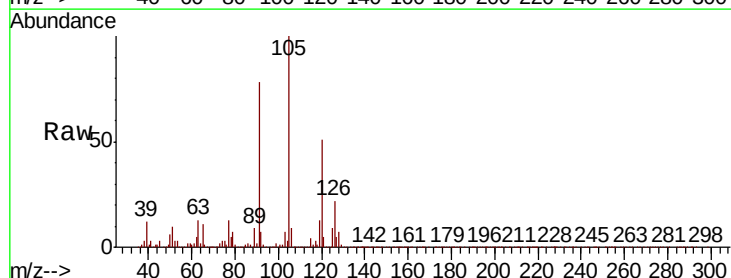
Acq: 12 Nov 2019 19:34

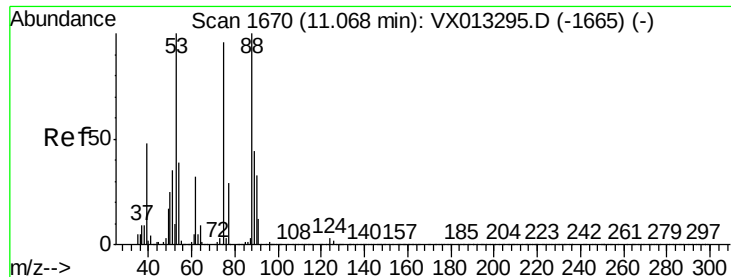
Tgt Ion: 105 Resp: 1470687

Ion Ratio Lower Upper

105 100

120 50.2 24.9 74.8

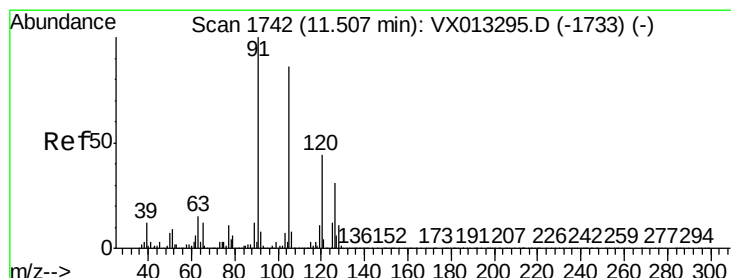
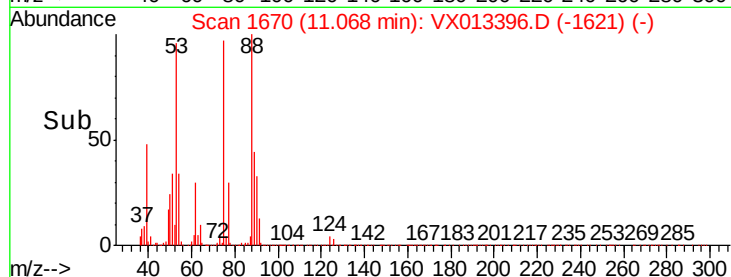
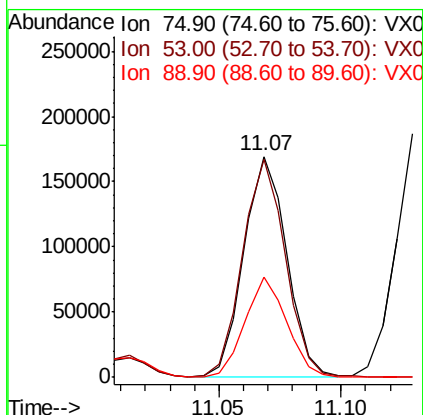
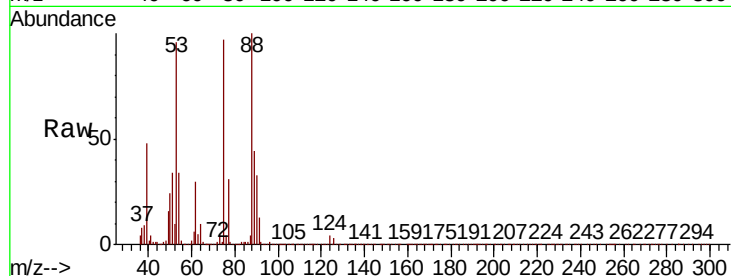




#81  
trans-1,4-Dichloro-2-butene  
Concen: 52.671 ug/l  
RT: 11.07 min Scan# 1670  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

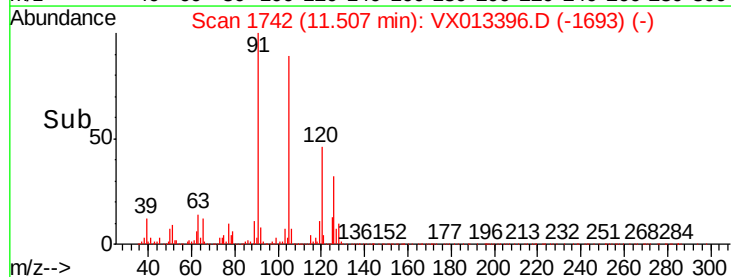
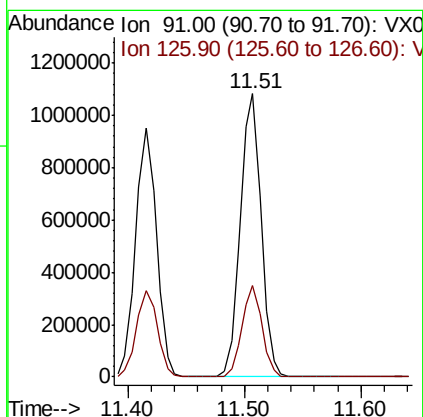
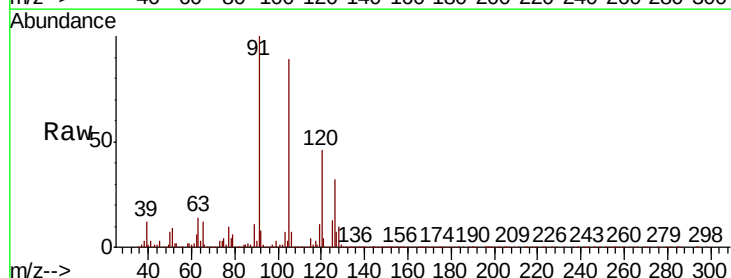
Instrument :  
MSVOA\_X  
ClientSampleId :

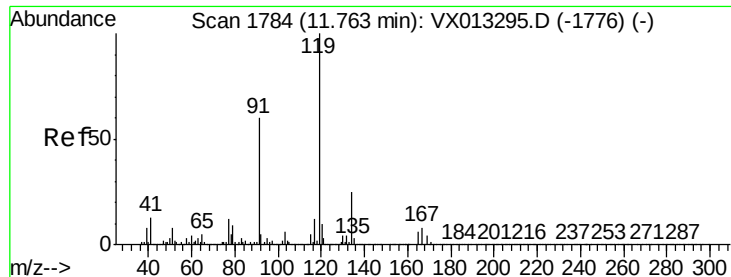
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 98.1  | 81.0  | 121.6 |
| 89      | 44.7  | 36.0  | 54.0  |



#82  
4-Chlorotoluene  
Concen: 52.525 ug/l  
RT: 11.51 min Scan# 1742  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 30.9  | 15.3  | 45.8  |

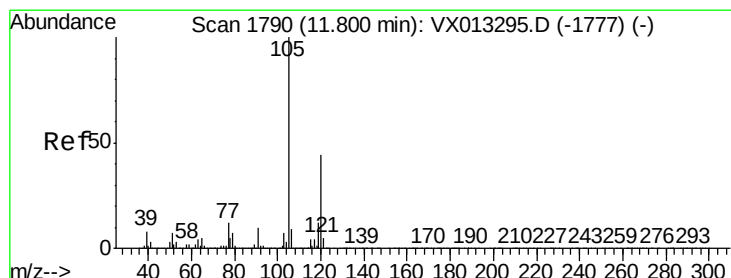
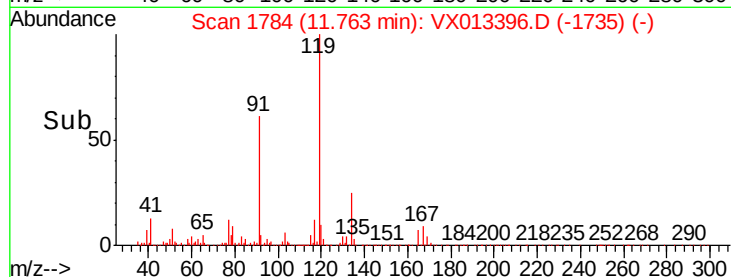
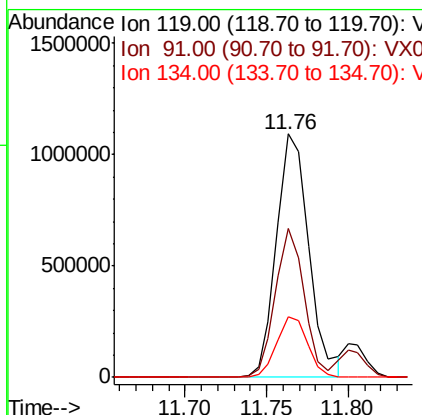
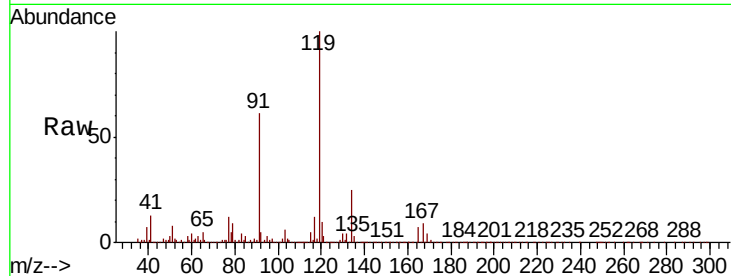




#83  
 tert-Butylbenzene  
 Concen: 54.611 ug/l  
 RT: 11.76 min Scan# 1784  
 Delta R.T. -0.00 min  
 Lab File: VX013396.D  
 Acq: 12 Nov 2019 19:34

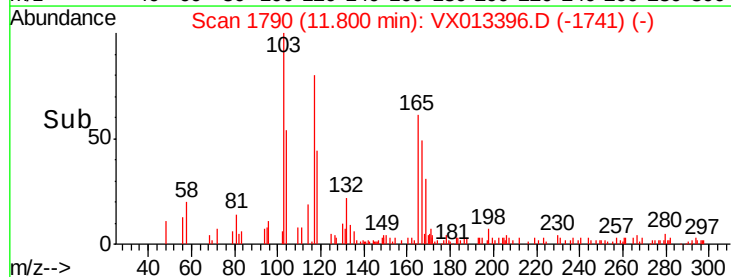
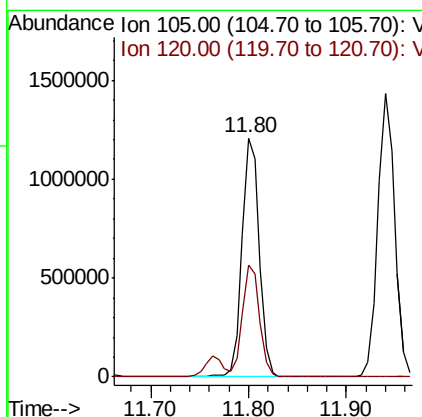
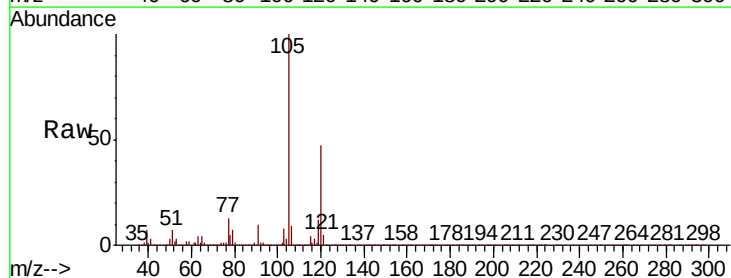
Instrument :  
 MSVOA\_X  
 ClientSampled :

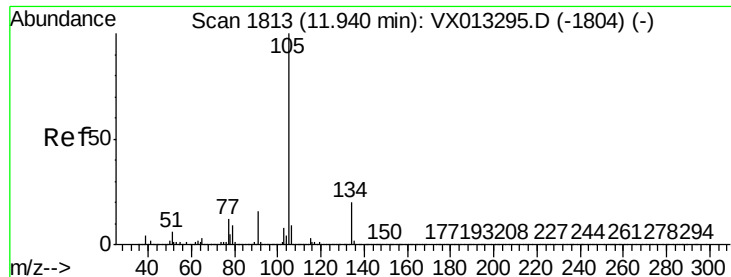
Tot Ion:119 Resp: 1504032  
 Ion Ratio Lower Upper  
 119 100  
 91 54.0 26.9 80.7  
 134 23.7 11.7 35.1



#84  
 1,2,4-Trimethylbenzene  
 Concen: 53.815 ug/l  
 RT: 11.80 min Scan# 1790  
 Delta R.T. -0.00 min  
 Lab File: VX013396.D  
 Acq: 12 Nov 2019 19:34

Tgt Ion:105 Resp: 1476980  
 Ion Ratio Lower Upper  
 105 100  
 120 46.2 22.7 68.1





#85

sec-Butylbenzene

Concen: 54.292 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

Instrument :

MSVOA\_X

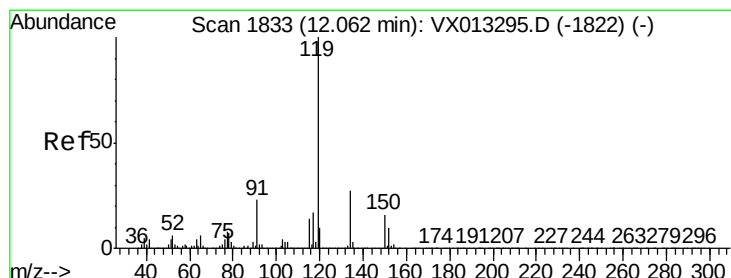
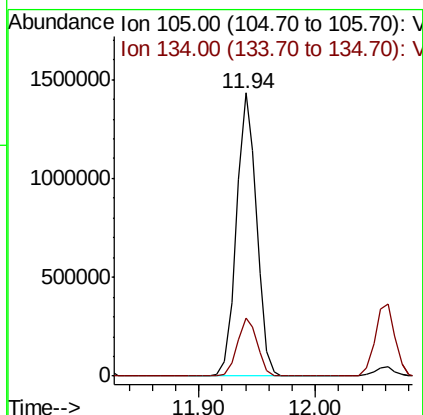
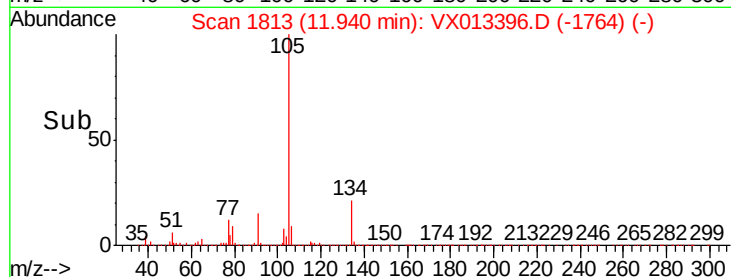
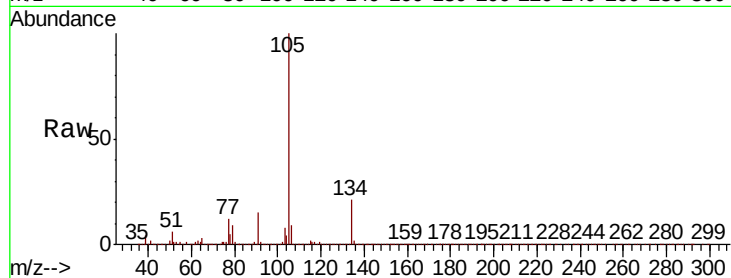
ClientSampleId :

Tot Ion:105 Resp: 1718482

Ion Ratio Lower Upper

105 100

134 20.5 10.3 30.9



#86

p-Isopropyltoluene

Concen: 54.584 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

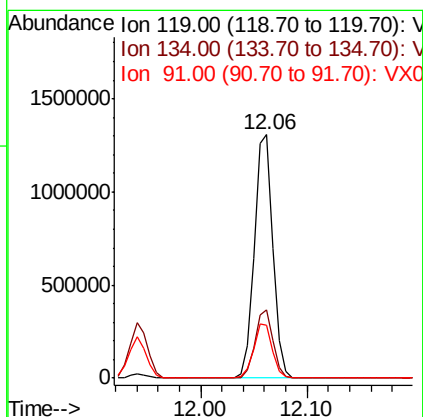
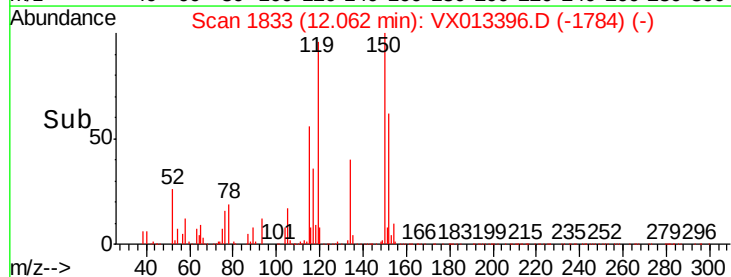
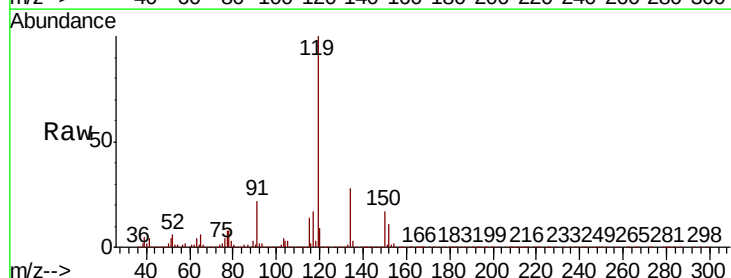
Tgt Ion:119 Resp: 1590926

Ion Ratio Lower Upper

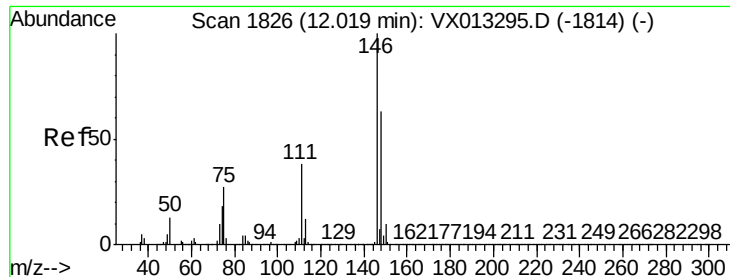
119 100

134 27.1 13.3 39.8

91 22.5 11.5 34.4



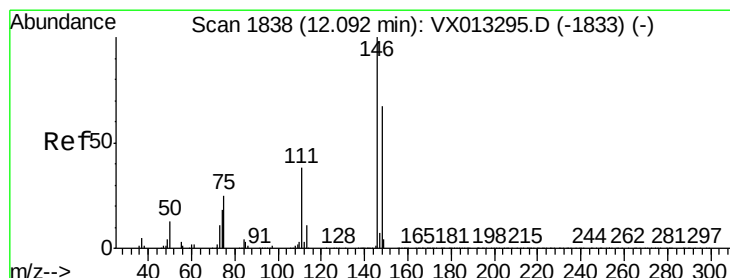
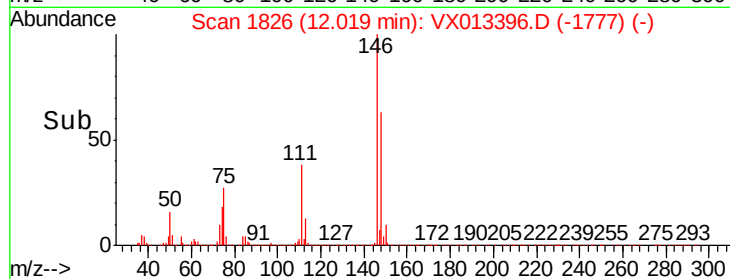
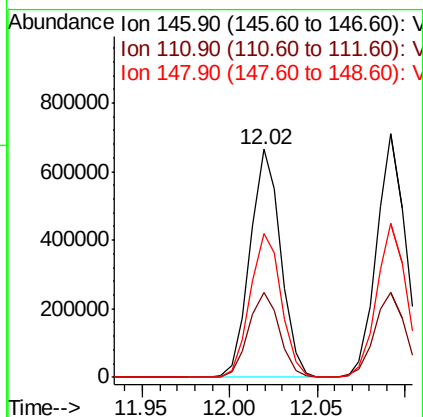
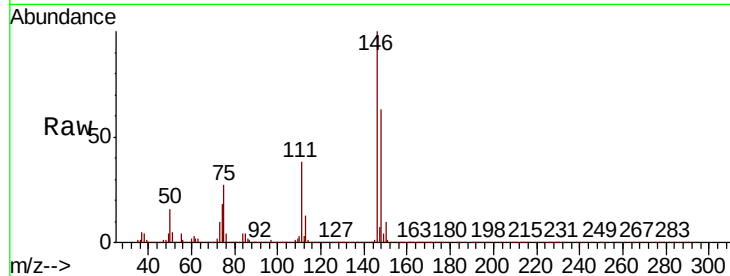




#87  
 1,3-Dichlorobenzene  
 Concen: 52.038 ug/l  
 RT: 12.02 min Scan# 1826  
 Delta R.T. -0.00 min  
 Lab File: VX013396.D  
 Acq: 12 Nov 2019 19:34

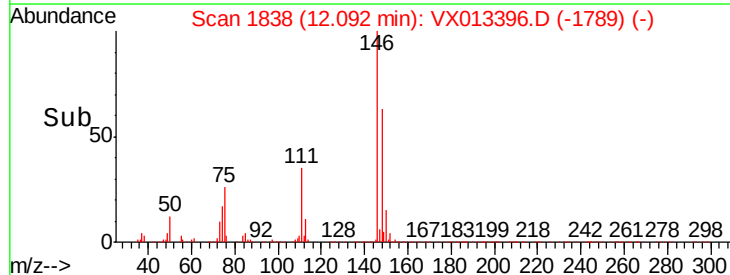
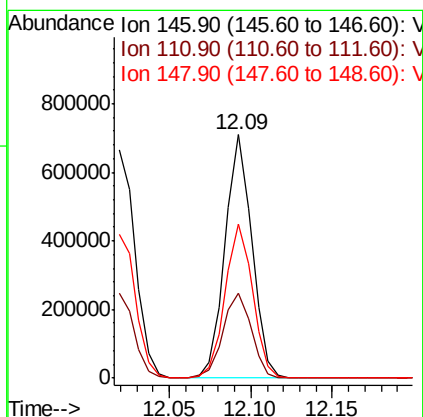
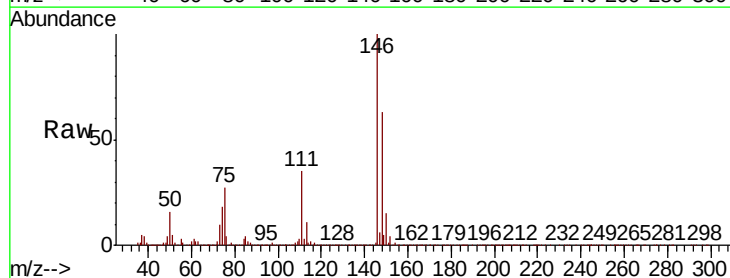
Instrument :  
 MSVOA\_X  
 ClientSampled :

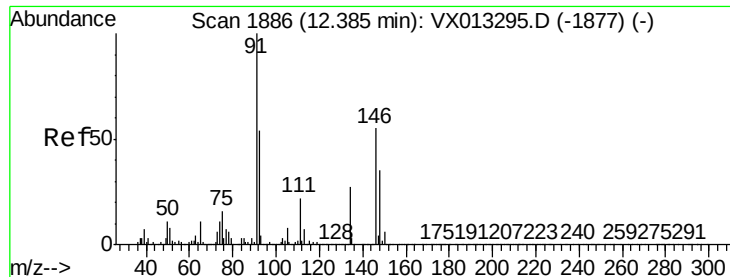
Tot Ion:146 Resp: 812224  
 Ion Ratio Lower Upper  
 146 100  
 111 37.5 18.9 56.5  
 148 64.3 31.9 95.7



#88  
 1,4-Dichlorobenzene  
 Concen: 51.201 ug/l  
 RT: 12.09 min Scan# 1838  
 Delta R.T. -0.00 min  
 Lab File: VX013396.D  
 Acq: 12 Nov 2019 19:34

Tgt Ion:146 Resp: 814225  
 Ion Ratio Lower Upper  
 146 100  
 111 37.1 18.8 56.4  
 148 64.7 32.4 97.0

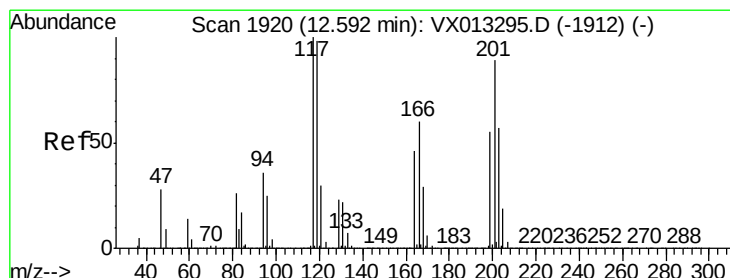
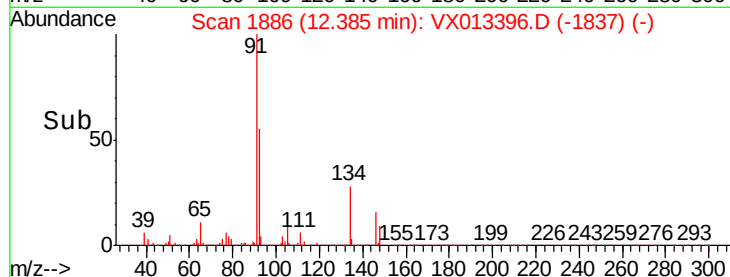
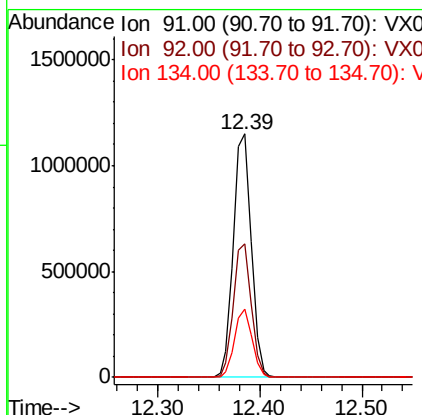
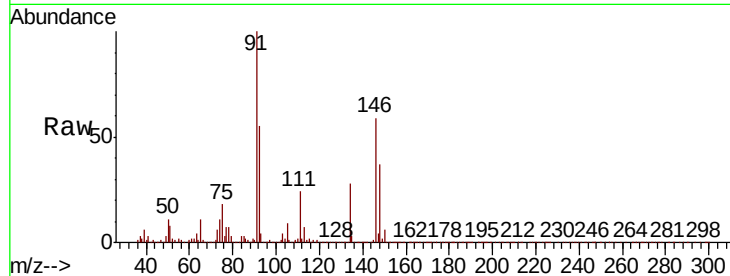




#89  
n-Butylbenzene  
Concen: 54.339 ug/l  
RT: 12.39 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

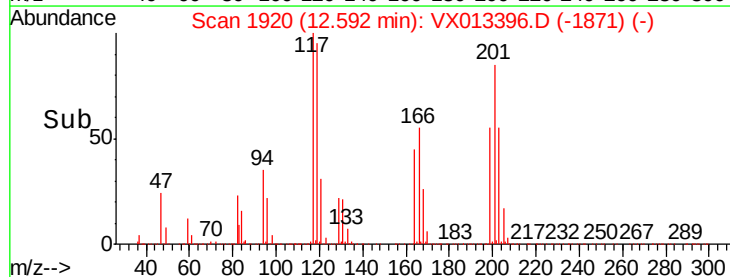
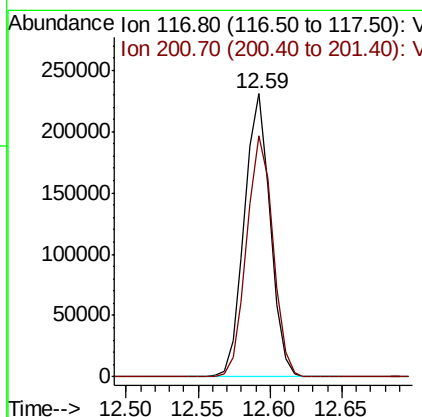
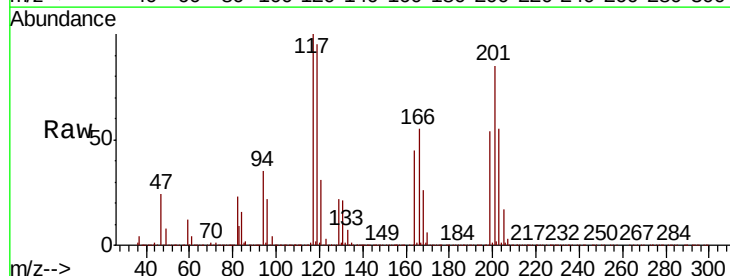
Instrument :  
MSVOA\_X  
ClientSampleId :

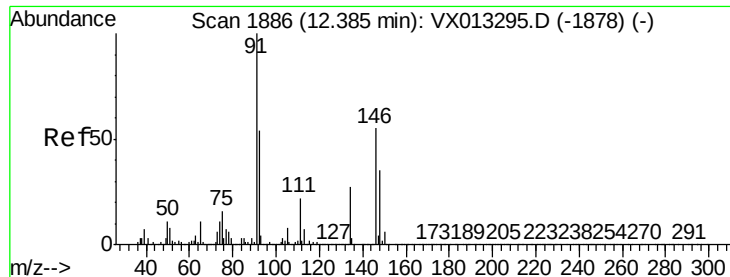
Tot Ion: 91 Resp: 1381982  
Ion Ratio Lower Upper  
91 100  
92 54.6 27.3 81.8  
134 27.2 13.5 40.5



#90  
Hexachloroethane  
Concen: 55.159 ug/l  
RT: 12.59 min Scan# 1920  
Delta R.T. -0.00 min  
Lab File: VX013396.D  
Acq: 12 Nov 2019 19:34

Tgt Ion: 117 Resp: 286443  
Ion Ratio Lower Upper  
117 100  
201 86.5 43.9 131.7

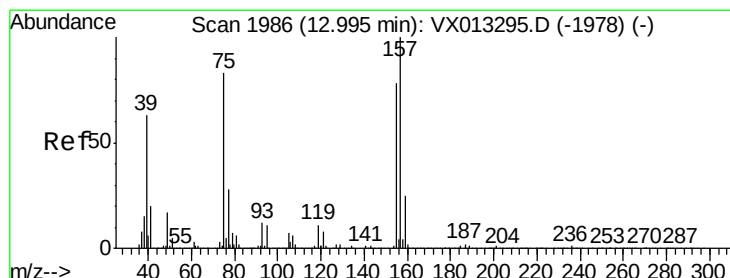
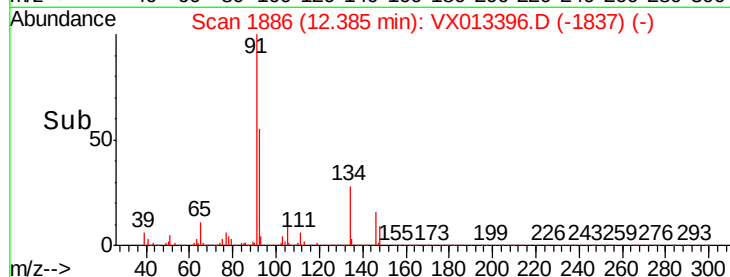
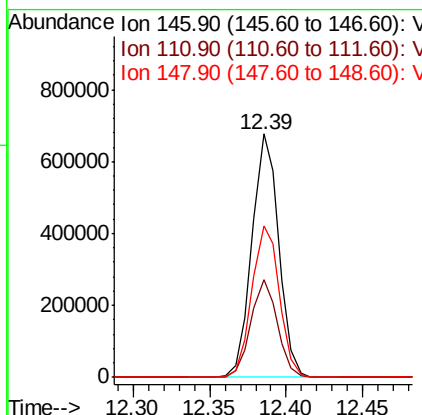
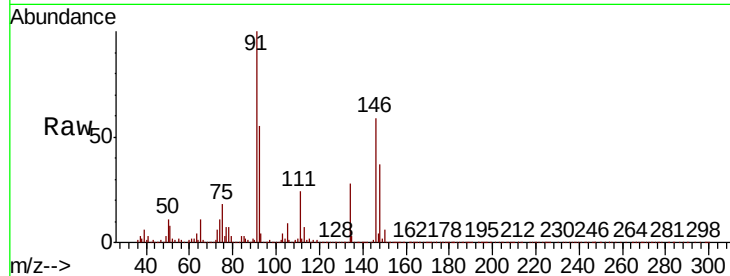




#91  
 1,2-Dichlorobenzene  
 Concen: 52.862 ug/l  
 RT: 12.39 min Scan# 1886  
 Delta R.T. -0.00 min  
 Lab File: VX013396.D  
 Acq: 12 Nov 2019 19:34

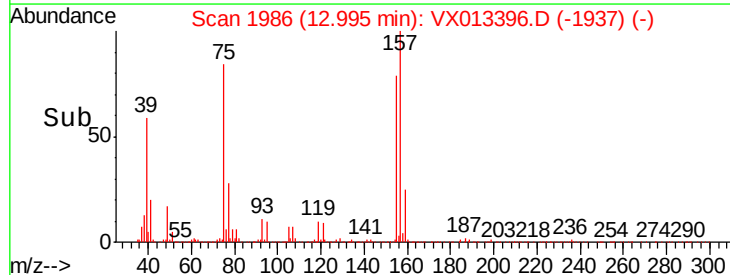
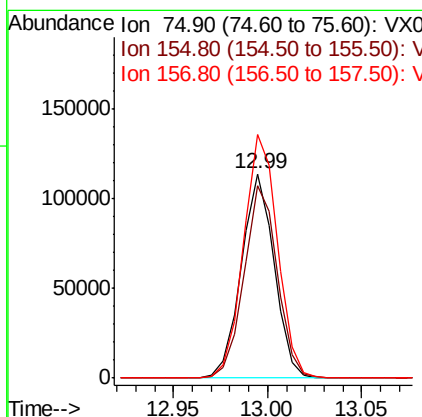
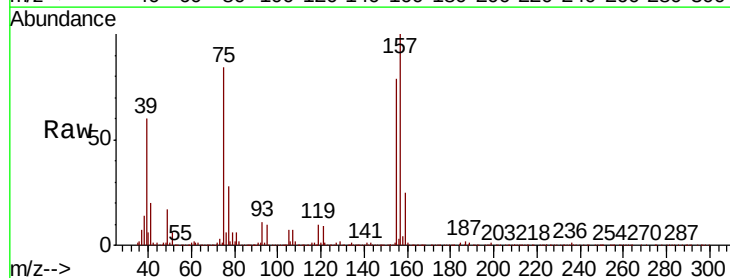
Instrument :  
 MSVOA\_X  
 ClientSampled :

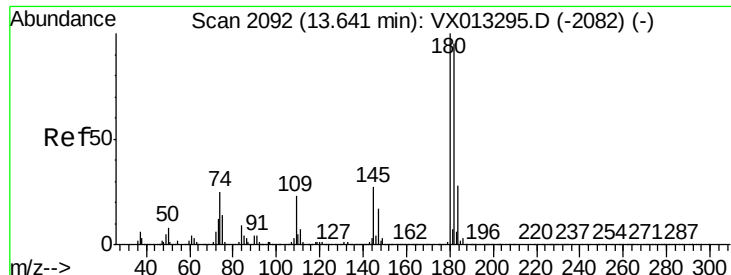
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.9  | 20.1  | 60.2  |
| 148     | 64.1  | 32.0  | 96.0  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 47.034 ug/l  
 RT: 12.99 min Scan# 1986  
 Delta R.T. -0.00 min  
 Lab File: VX013396.D  
 Acq: 12 Nov 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 95.6  | 47.1  | 141.4 |
| 157     | 123.7 | 61.3  | 183.8 |

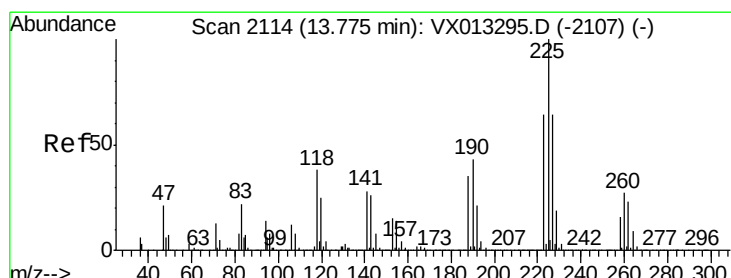
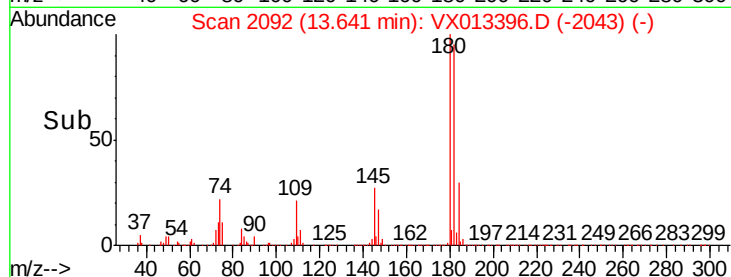
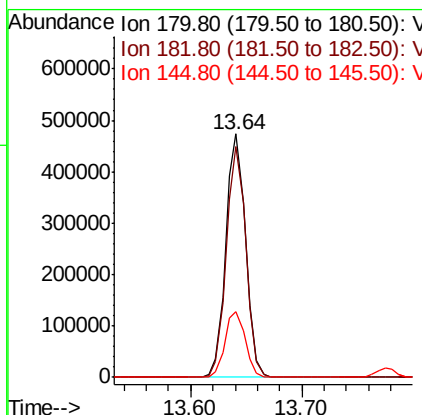
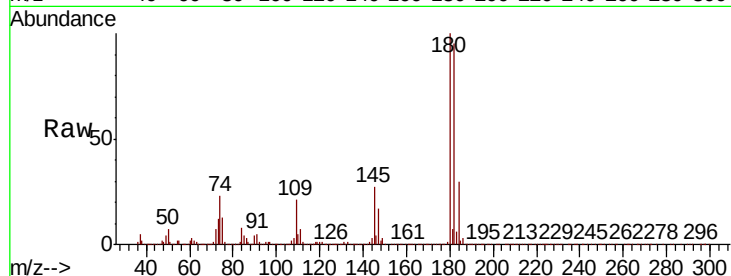




#93  
 1,2,4-Trichlorobenzene  
 Concen: 53.197 ug/l  
 RT: 13.64 min Scan# 2092  
 Delta R.T. -0.00 min  
 Lab File: VX013396.D  
 Acq: 12 Nov 2019 19:34

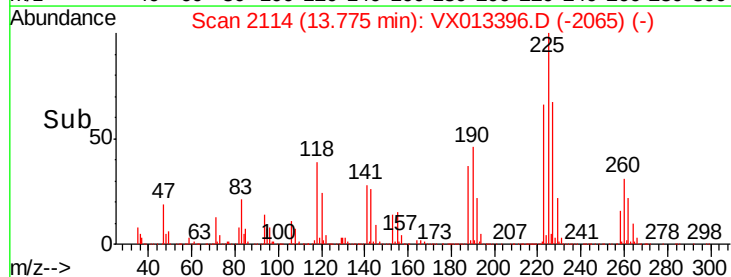
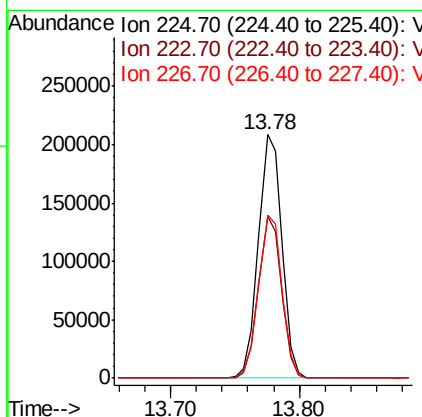
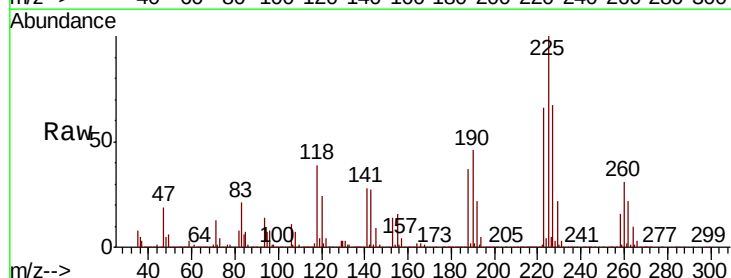
Instrument :  
 MSVOA\_X  
 ClientSampleId :

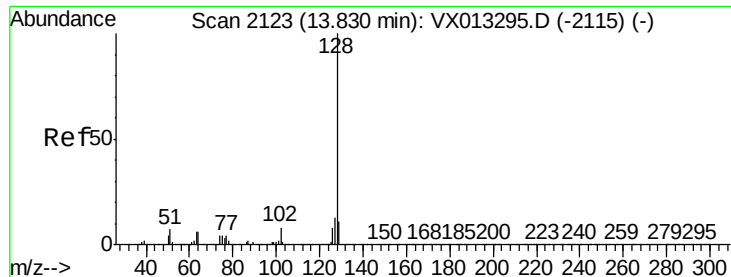
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.3  | 48.4  | 145.0 |
| 145     | 28.1  | 14.1  | 42.4  |



#94  
 Hexachlorobutadiene  
 Concen: 49.047 ug/l  
 RT: 13.78 min Scan# 2114  
 Delta R.T. -0.00 min  
 Lab File: VX013396.D  
 Acq: 12 Nov 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 65.1  | 31.9  | 95.7  |
| 227     | 66.8  | 31.9  | 95.9  |





#95

Naphthalene

Concen: 53.303 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

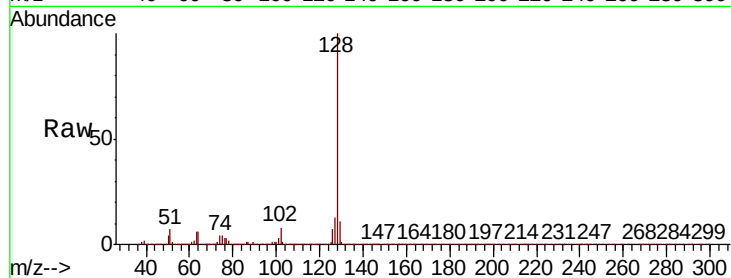
Instrument :

MSVOA\_X

ClientSampleId :

Tot Ion:128 Resp: 1820077

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 12.8  | 10.2  | 15.2  |
| 129 | 10.9  | 8.5   | 12.7  |

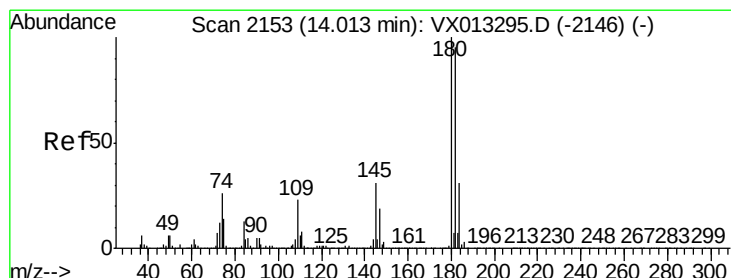
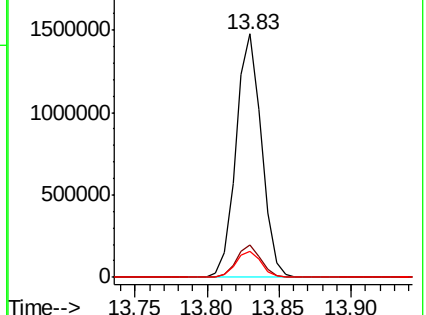
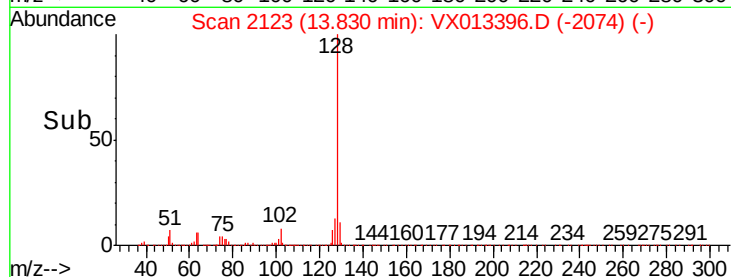


Abundance

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: 52.628 ug/l

RT: 14.01 min Scan# 2153

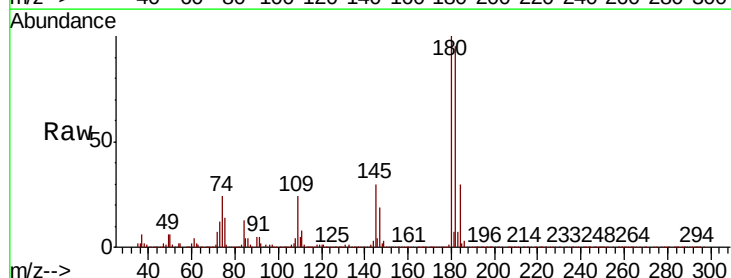
Delta R.T. -0.00 min

Lab File: VX013396.D

Acq: 12 Nov 2019 19:34

Tgt Ion:180 Resp: 574405

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 96.2  | 48.0  | 144.2 |
| 145 | 29.9  | 15.4  | 46.4  |



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

