

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111319\  
 Data File : VX013403.D  
 Acq On : 13 Nov 2019 13:34  
 Operator : JC/SP  
 Sample : VX1113WBSD01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 14 04:34:48 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  | 722997   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 1091481  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 965029   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 479788   | 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   | 411309   | 48.02 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.04%  |          |
| 35) Dibromofluoromethane    | 5.48  | 113  | 337426   | 49.29 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.58%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 1300466  | 50.39 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.78% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 457955   | 49.17 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.34%  |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85   | 155583   | 18.677  | ug/l  | 99     |
| 3) Chloromethane              | 1.31 | 50   | 171395   | 18.973  | ug/l  | 98     |
| 4) Vinyl Chloride             | 1.40 | 62   | 200882   | 19.532  | ug/l  | 100    |
| 5) Bromomethane               | 1.63 | 94   | 117781   | 16.434  | ug/l  | 97     |
| 6) Chloroethane               | 1.72 | 64   | 112482   | 18.379  | ug/l  | 100    |
| 7) Trichlorofluoromethane     | 1.92 | 101  | 217472   | 17.898  | ug/l  | 100    |
| 8) Diethyl Ether              | 2.18 | 74   | 98807    | 18.389  | ug/l  | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101  | 136892   | 20.213  | ug/l  | 99     |
| 10) Methyl Iodide             | 2.50 | 142  | 159664   | 19.042  | ug/l  | 97     |
| 11) Tert butyl alcohol        | 3.02 | 59   | 186060   | 82.416  | ug/l  | 99     |
| 12) 1,1-Dichloroethene        | 2.36 | 96   | 132955   | 20.048  | ug/l  | 97     |
| 13) Acrolein                  | 2.28 | 56   | 118997   | 97.256  | ug/l  | 99     |
| 14) Allyl chloride            | 2.72 | 41   | 243226   | 20.185  | ug/l  | 96     |
| 15) Acrylonitrile             | 3.12 | 53   | 420383   | 99.686  | ug/l  | 98     |
| 16) Acetone                   | 2.43 | 43   | 421823   | 98.735  | ug/l  | 99     |
| 17) Carbon Disulfide          | 2.56 | 76   | 341787   | 19.255  | ug/l  | 99     |
| 18) Methyl Acetate            | 2.76 | 43   | 240427   | 20.384  | ug/l  | 99     |
| 19) Methyl tert-butyl Ether   | 3.18 | 73   | 461082   | 20.845  | ug/l  | 98     |
| 20) Methylene Chloride        | 2.84 | 84   | 155352   | 19.681  | ug/l  | 100    |
| 21) trans-1,2-Dichloroethene  | 3.15 | 96   | 143295   | 19.844  | ug/l  | 98     |
| 22) Diisopropyl ether         | 3.84 | 45   | 490340   | 21.077  | ug/l  | 89     |
| 23) Vinyl Acetate             | 3.80 | 43   | 2024091  | 101.678 | ug/l  | 99     |
| 24) 1,1-Dichloroethane        | 3.69 | 63   | 267564   | 20.560  | ug/l  | 98     |
| 25) 2-Butanone                | 4.65 | 43   | 616562   | 98.374  | ug/l  | 100    |
| 26) 2,2-Dichloropropane       | 4.57 | 77   | 217602   | 21.018  | ug/l  | 96     |
| 27) cis-1,2-Dichloroethene    | 4.58 | 96   | 168085   | 20.780  | ug/l  | 100    |
| 28) Bromochloromethane        | 5.01 | 49   | 65696    | 17.779  | ug/l  | 97     |
| 29) Tetrahydrofuran           | 5.11 | 42   | 371927   | 96.297  | ug/l  | 98     |
| 30) Chloroform                | 5.20 | 83   | 263116   | 20.475  | ug/l  | 99     |
| 31) Cyclohexane               | 5.57 | 56   | 237644   | 20.294  | ug/l  | 97     |
| 32) 1,1,1-Trichloroethane     | 5.48 | 97   | 223858   | 20.242  | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 5.79 | 75   | 195412   | 20.869  | ug/l  | 99     |
| 37) Ethyl Acetate             | 4.82 | 43   | 220982   | 19.099  | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 5.77 | 117  | 187136   | 20.438  | ug/l  | 99     |

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 Sample : VX1113WBSD01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 14 04:34:48 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   | 237510   | 20.357  | ug/l   | 98       |
| 40) Benzene                    | 6.13  | 78   | 600453   | 20.587  | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.03  | 41   | 127380   | 19.642  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 6.18  | 62   | 213669   | 20.309  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.43  | 43   | 363515   | 20.176  | ug/l   | 99       |
| 44) Trichloroethene            | 7.20  | 130  | 161884   | 20.163  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 154213   | 20.751  | ug/l   | 96       |
| 46) Dibromomethane             | 7.65  | 93   | 102781   | 20.256  | ug/l   | 97       |
| 47) Bromodichloromethane       | 7.89  | 83   | 199291   | 20.828  | ug/l   | 95       |
| 48) Methyl methacrylate        | 7.76  | 41   | 184971   | 20.567  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 7.73  | 88   | 77160    | 374.629 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 1164015  | 98.473  | ug/l   | 99       |
| 52) Toluene                    | 8.78  | 92   | 379212   | 20.977  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 9.03  | 75   | 216818   | 20.723  | ug/l   | 94       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 247014   | 21.105  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 158501   | 21.153  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 9.17  | 69   | 242888   | 19.957  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 261279   | 20.541  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.30  | 63   | 502564   | 98.093  | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.48  | 43   | 906631   | 99.251  | ug/l   | 98       |
| 60) Dibromochloromethane       | 9.57  | 129  | 161951   | 21.133  | ug/l   | 96       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 162655   | 20.443  | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.33  | 164  | 144353   | 20.895  | ug/l   | 97       |
| 65) Chlorobenzene              | 10.14 | 112  | 405181   | 20.739  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 146911   | 20.479  | ug/l   | 98       |
| 67) Ethyl Benzene              | 10.25 | 91   | 712840   | 21.140  | ug/l   | 100      |
| 68) m/p-Xylenes                | 10.35 | 106  | 536286   | 42.054  | ug/l   | 99       |
| 69) o-Xylene                   | 10.70 | 106  | 265025   | 21.227  | ug/l   | 99       |
| 70) Styrene                    | 10.71 | 104  | 441531   | 21.156  | ug/l   | 99       |
| 71) Bromoform                  | 10.85 | 173  | 120388   | 20.143  | ug/l # | 97       |
| 73) Isopropylbenzene           | 11.01 | 105  | 706272   | 22.202  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.89 | 43   | 318812   | 21.612  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 245304   | 21.138  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 270024   | 27.709  | ug/l   | 81       |
| 77) Bromobenzene               | 11.25 | 156  | 182469   | 21.517  | ug/l   | 98       |
| 78) n-propylbenzene            | 11.35 | 91   | 784276   | 22.133  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 465727   | 21.814  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 587711   | 22.181  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 73307    | 19.363  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 533929   | 21.364  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 596794   | 22.375  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 586014   | 22.047  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 679480   | 22.166  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 624632   | 22.128  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 319280   | 21.122  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 317933   | 20.643  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.38 | 91   | 519179   | 21.079  | ug/l   | 100      |
| 90) Hexachloroethane           | 12.59 | 117  | 108153   | 21.504  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 322052   | 21.314  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 52045    | 18.408  | ug/l   | 100      |

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Acq On : 13 Nov 2019 13:34  
Operator : JC/SP  
Sample : VX1113WBSD01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 7 Sample Multiplier: 1

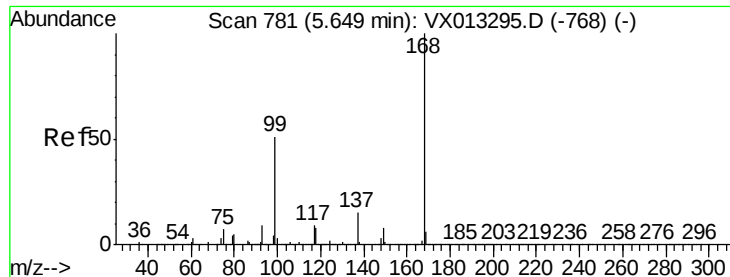
Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Nov 14 04:34:48 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  | 215134   | 20.411 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 13.77 | 225  | 106859   | 20.723 | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 662350   | 20.029 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 215569   | 20.394 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Instrument :

MSVOA\_X

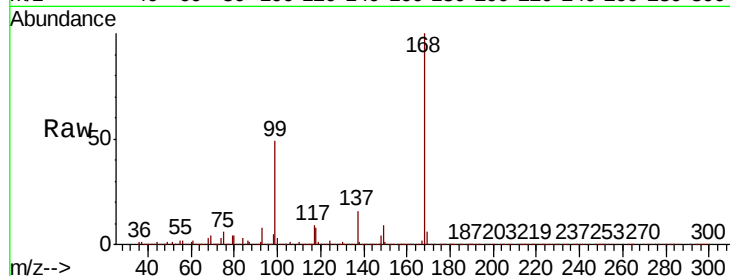
ClientSampleId :

Tot Ion:168 Resp: 722997

Ion Ratio Lower Upper

168 100

99 49.2 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

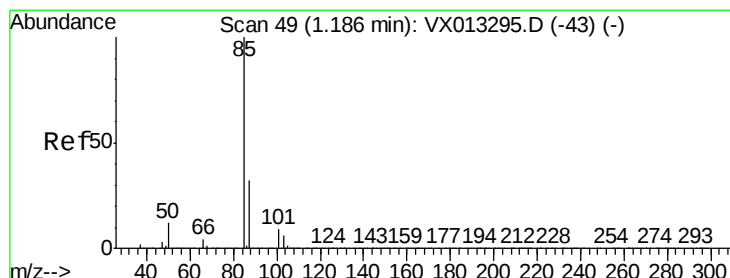
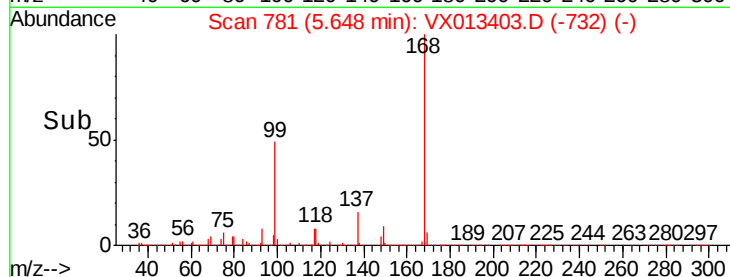
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.677 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX013403.D

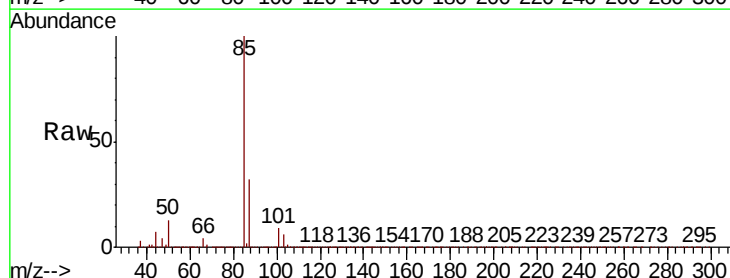
Acq: 13 Nov 2019 13:34

Tgt Ion: 85 Resp: 155583

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

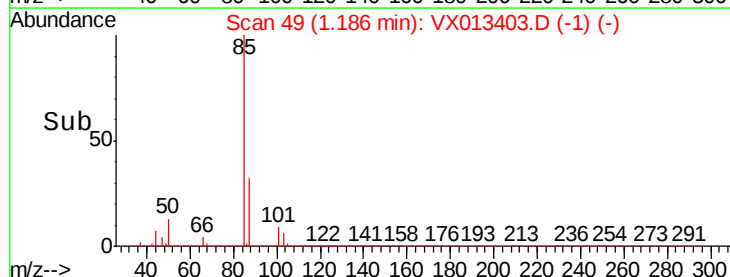
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Time-->

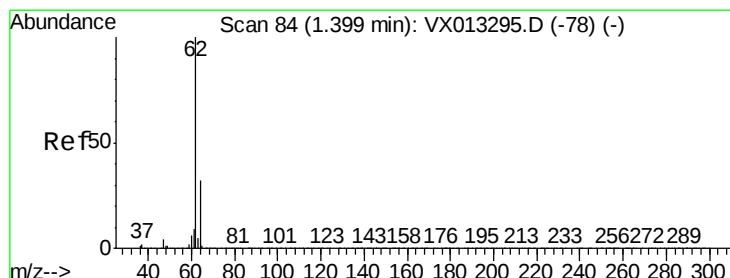
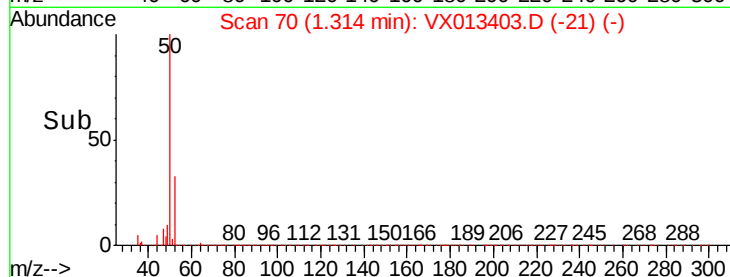
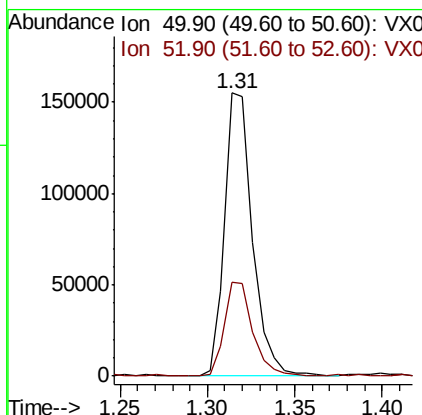
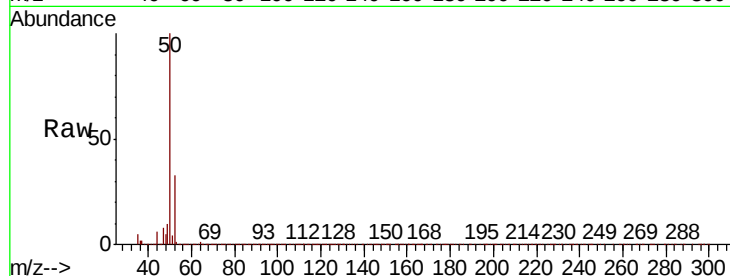




#3  
Chloromethane  
Concen: 18.973 ug/l  
RT: 1.31 min Scan# 70  
Delta R.T. -0.00 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

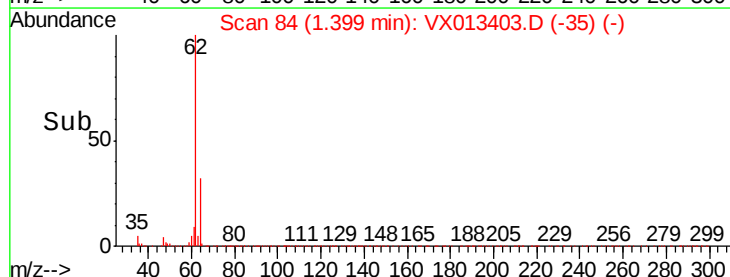
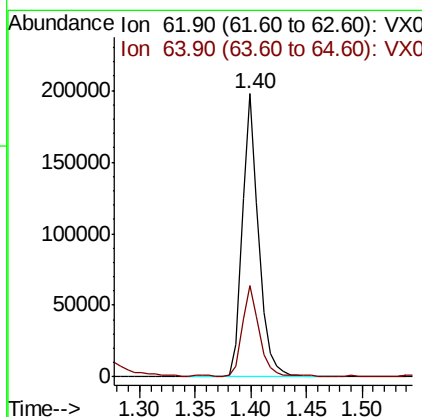
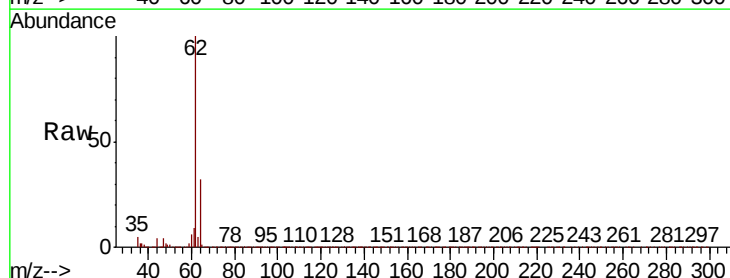
Instrument :  
MSVOA\_X  
ClientSampleId :

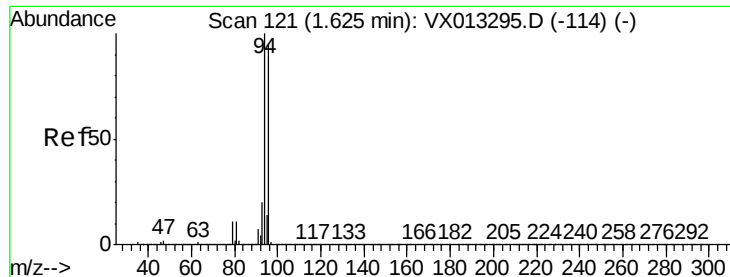
Tot Ion: 50 Resp: 171395  
Ion Ratio Lower Upper  
50 100  
52 33.1 25.5 38.3



#4  
Vinyl Chloride  
Concen: 19.532 ug/l  
RT: 1.40 min Scan# 84  
Delta R.T. -0.00 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

Tgt Ion: 62 Resp: 200882  
Ion Ratio Lower Upper  
62 100  
64 32.0 25.6 38.4





#5

Bromomethane

Concen: 16.434 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

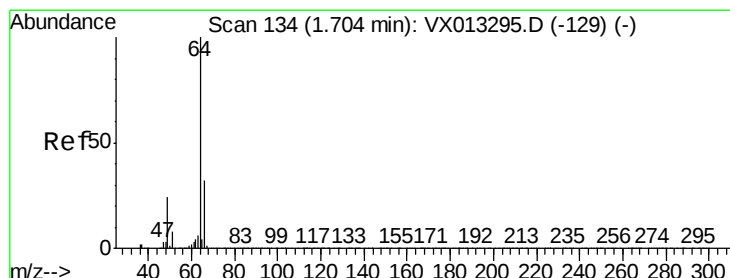
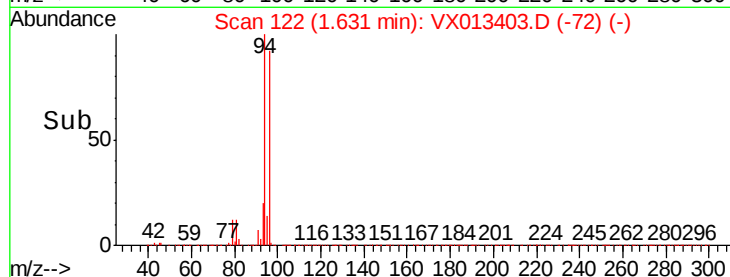
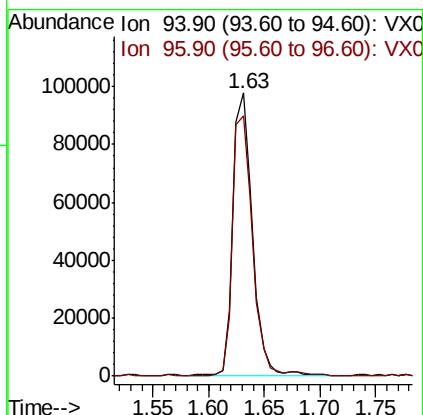
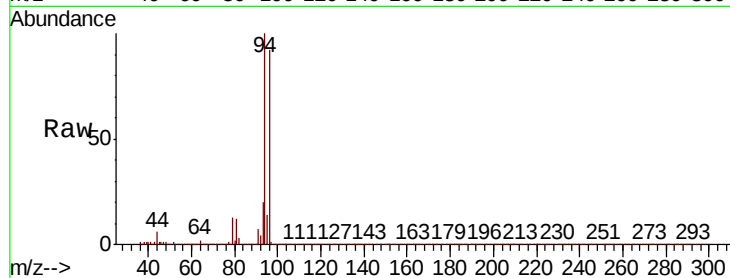
Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion: 94 Resp: 117781

Ion Ratio Lower Upper

94 100

96 91.9 75.8 113.8



#6

Chloroethane

Concen: 18.379 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013403.D

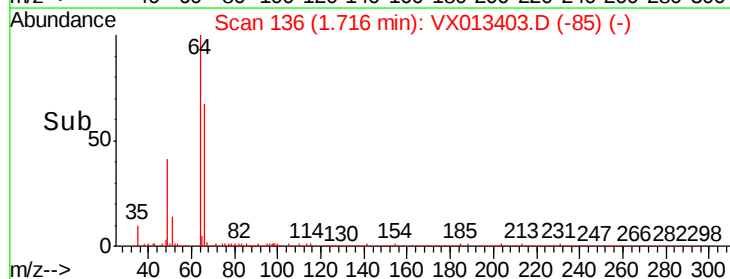
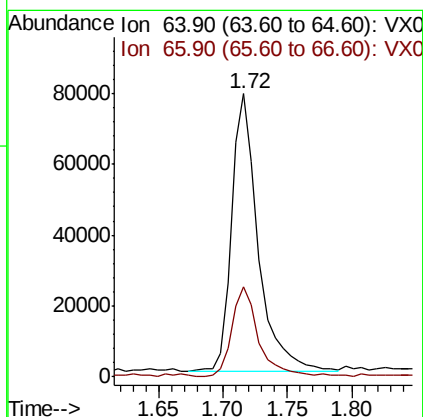
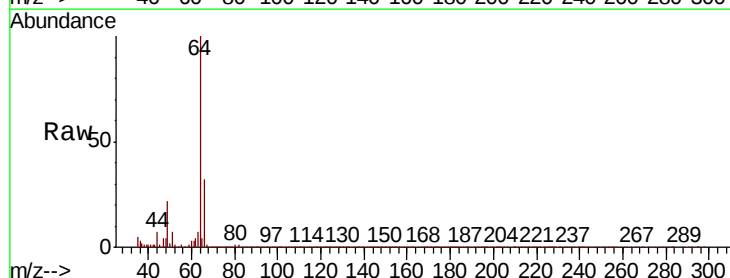
Acq: 13 Nov 2019 13:34

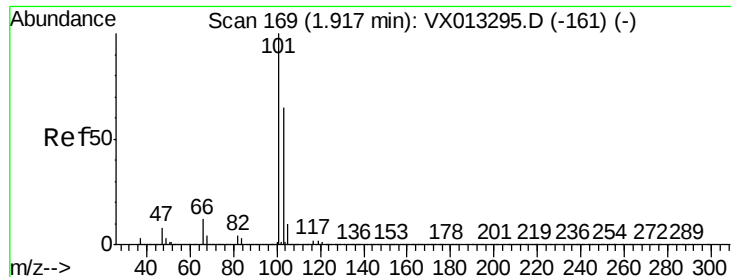
Tgt Ion: 64 Resp: 112482

Ion Ratio Lower Upper

64 100

66 31.8 25.6 38.4



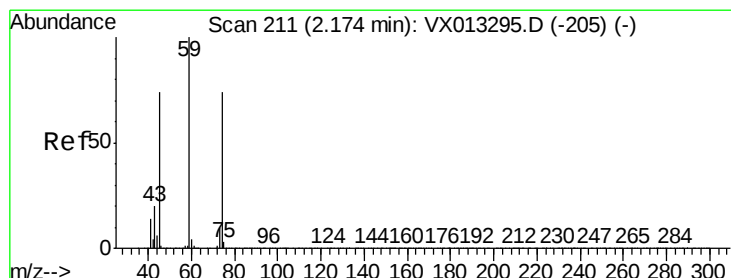
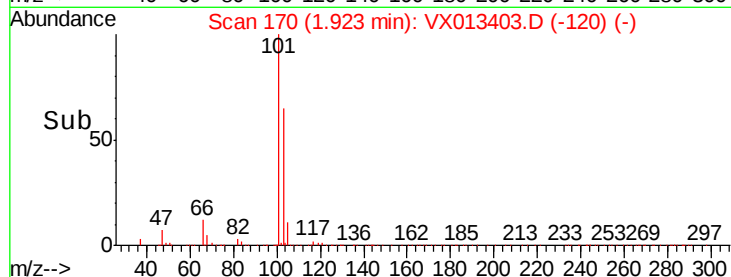
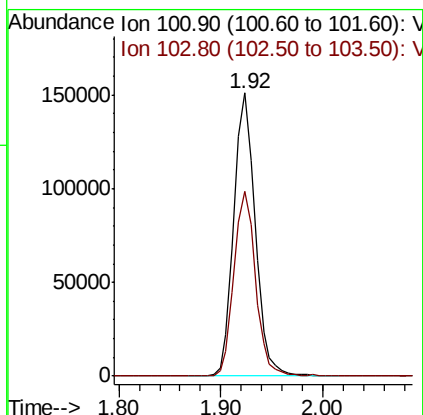
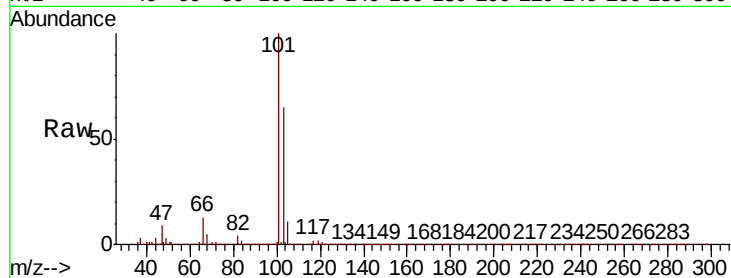


#7

Trichlorofluoromethane  
Concen: 17.898 ug/l  
RT: 1.92 min Scan# 170  
Delta R.T. 0.01 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

Instrument :  
MSVOA\_X  
ClientSampleId :

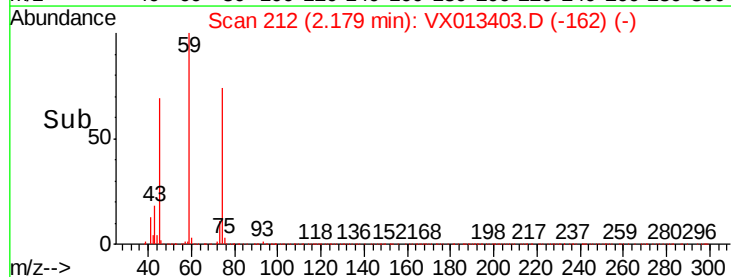
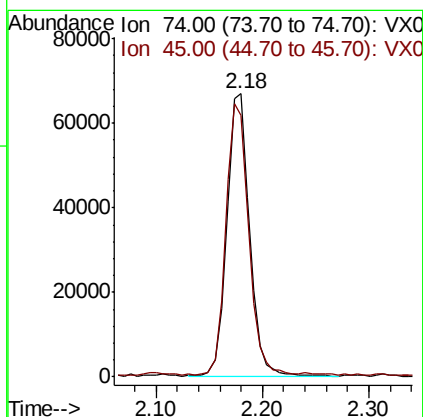
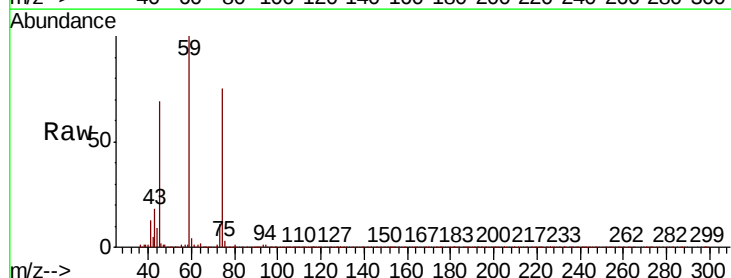
Tot Ion:101 Resp: 217472  
Ion Ratio Lower Upper  
101 100  
103 65.5 52.3 78.5

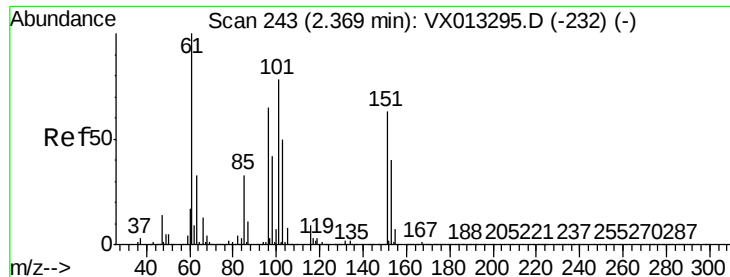


#8

Diethyl Ether  
Concen: 18.389 ug/l  
RT: 2.18 min Scan# 212  
Delta R.T. 0.01 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

Tgt Ion: 74 Resp: 98807  
Ion Ratio Lower Upper  
74 100  
45 97.3 48.5 145.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.213 ug/l

RT: 2.37 min Scan# 244

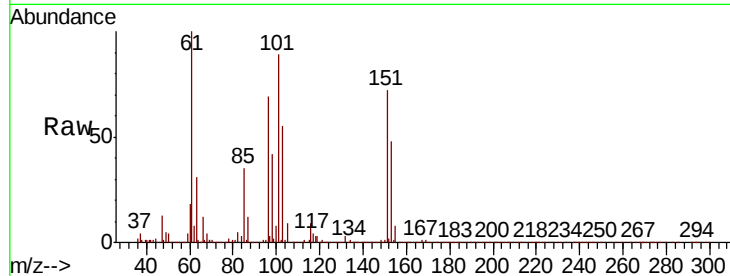
Delta R.T. 0.01 min

Lab File: VX013403.D

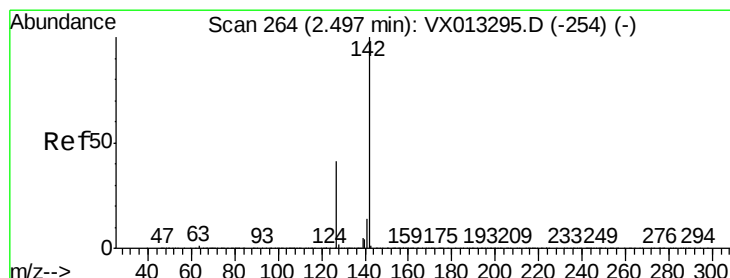
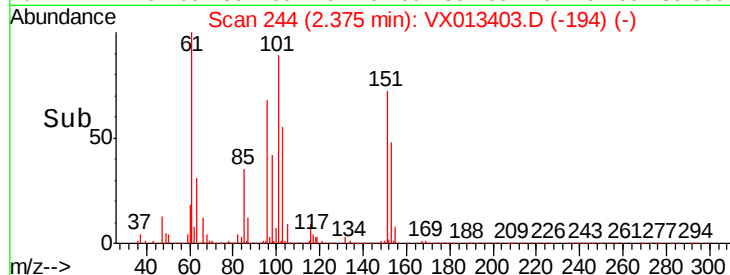
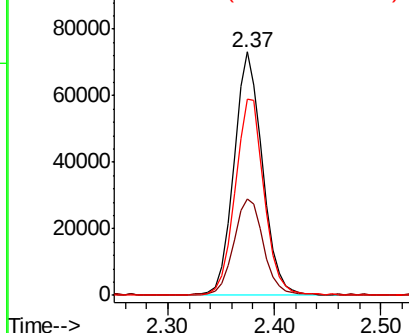
Acq: 13 Nov 2019 13:34

Instrument :  
MSVOA\_X  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 101   | Resp: | 136892 |
| Ion      | Ratio | Lower | Upper  |
| 101      | 100   |       |        |
| 85       | 41.1  | 34.4  | 51.6   |
| 151      | 83.2  | 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: 19.042 ug/l

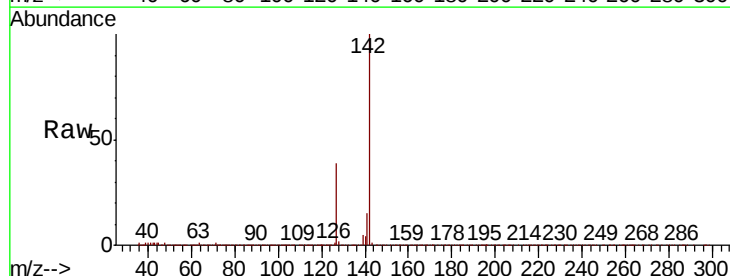
RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

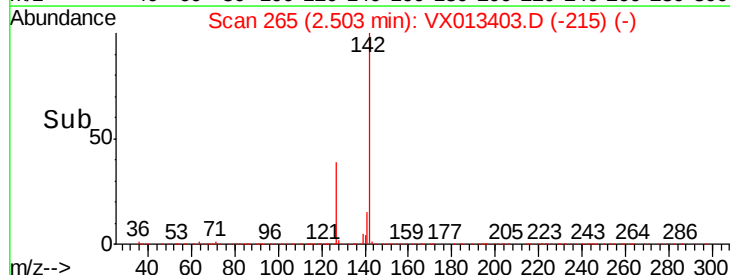
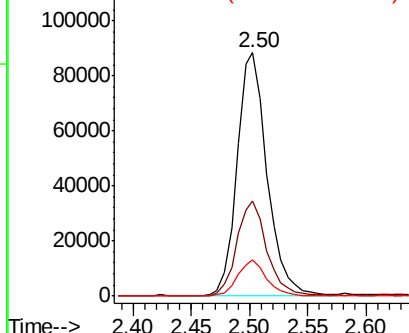
Lab File: VX013403.D

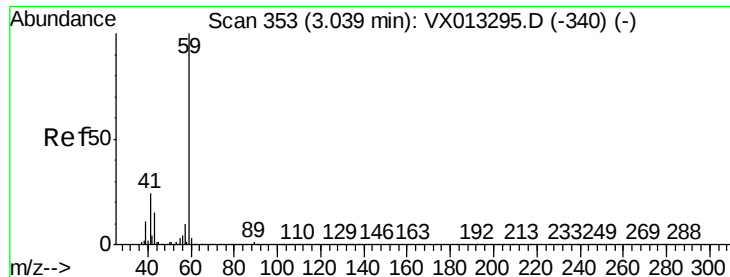
Acq: 13 Nov 2019 13:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 142   | Resp: | 159664 |
| Ion      | Ratio | Lower | Upper  |
| 142      | 100   |       |        |
| 127      | 38.4  | 32.6  | 49.0   |
| 141      | 14.6  | 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



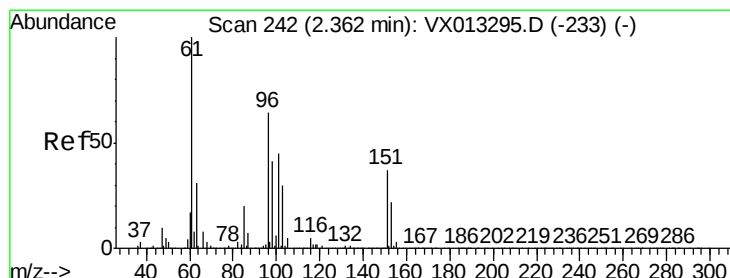
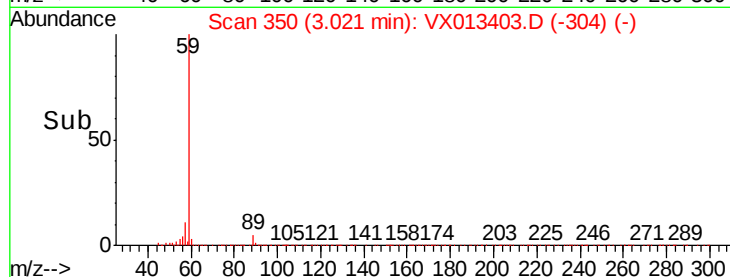
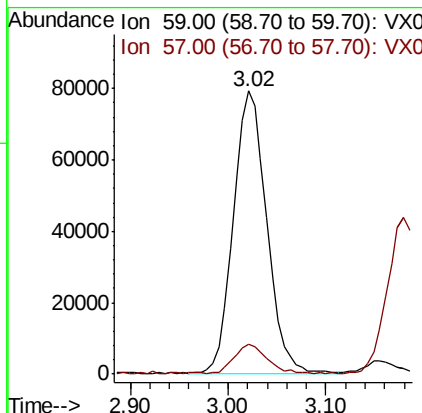
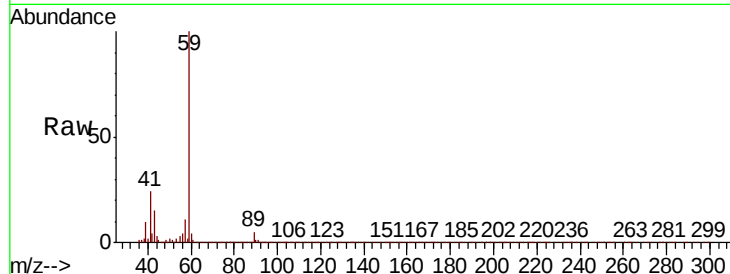


#11

Tert butyl alcohol  
Concen: 82.416 ug/l  
RT: 3.02 min Scan# 350  
Delta R.T. -0.02 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

Instrument :  
MSVOA\_X  
ClientSampleId :

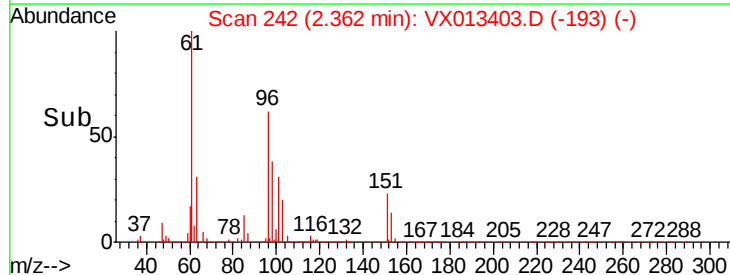
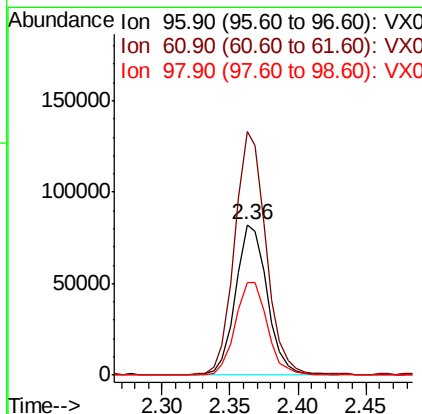
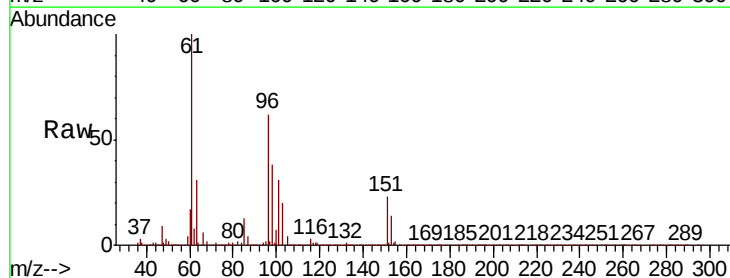
Tot Ion: 59 Resp: 186060  
Ion Ratio Lower Upper  
59 100  
57 9.8 8.0 12.0

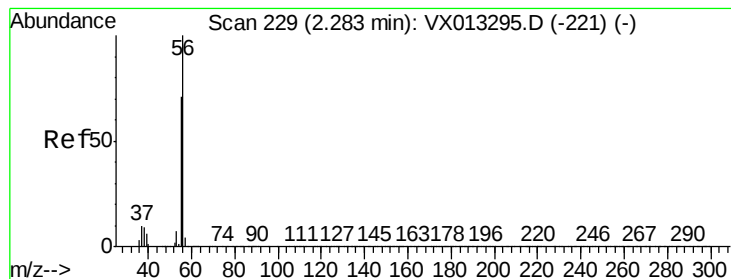


#12

1,1-Dichloroethene  
Concen: 20.048 ug/l  
RT: 2.36 min Scan# 242  
Delta R.T. -0.00 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

Tgt Ion: 96 Resp: 132955  
Ion Ratio Lower Upper  
96 100  
61 161.2 125.0 187.6  
98 61.6 50.7 76.1





#13

Acrolein

Concen: 97.256 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

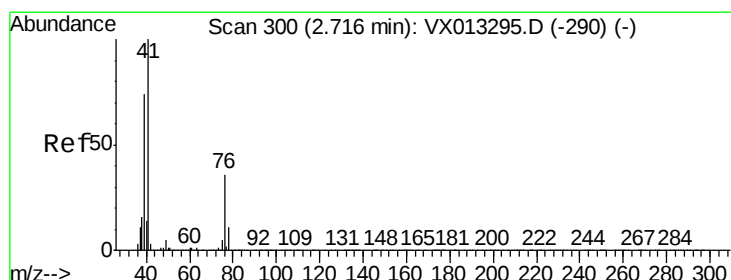
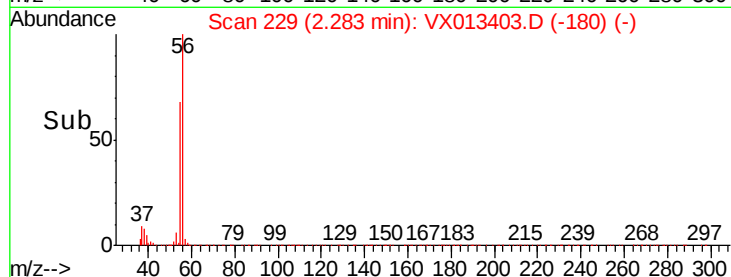
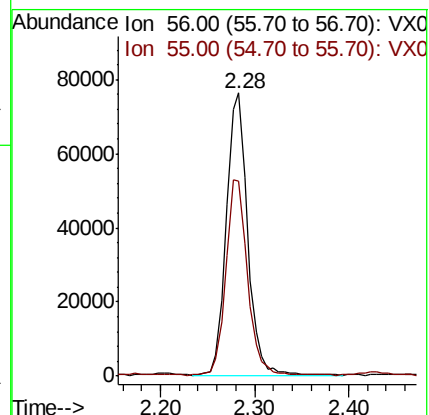
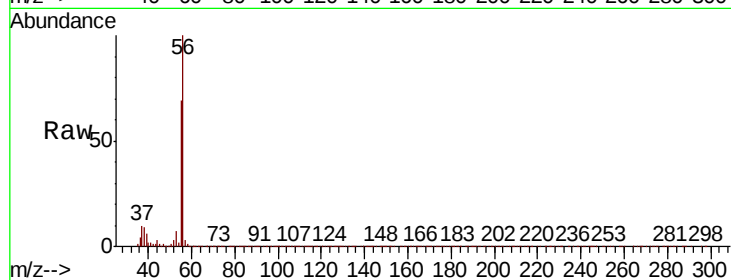
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 56 Resp: 118997

Ion Ratio Lower Upper

56 100

55 72.9 57.4 86.0



#14

Allyl chloride

Concen: 20.185 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

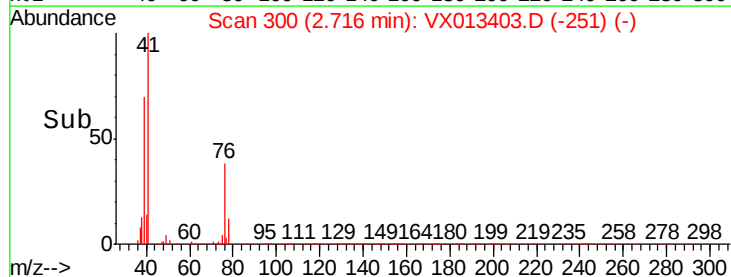
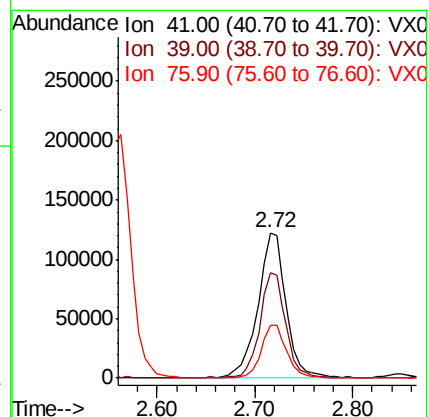
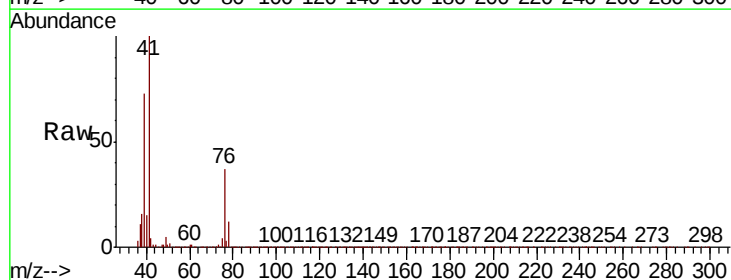
Tgt Ion: 41 Resp: 243226

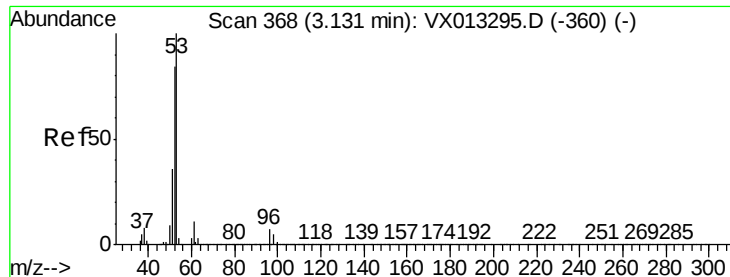
Ion Ratio Lower Upper

41 100

39 65.6 55.8 83.8

76 32.6 26.4 39.6





#15

Acrylonitrile

Concen: 99.686 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Instrument :

MSVOA\_X

ClientSampled :

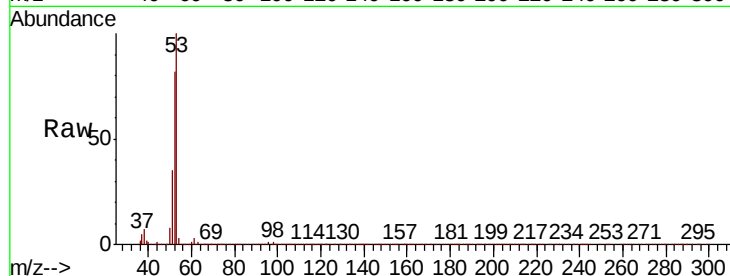
Tot Ion: 53 Resp: 420383

Ion Ratio Lower Upper

53 100

52 82.5 67.4 101.0

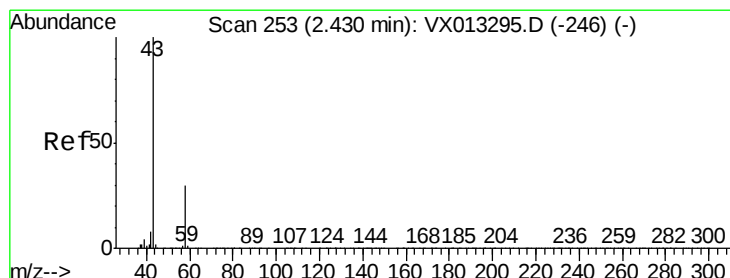
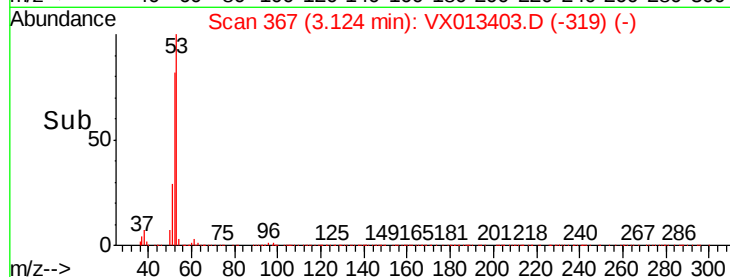
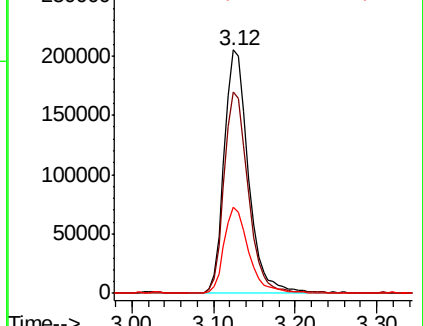
51 35.4 29.4 44.2



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: 98.735 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013403.D

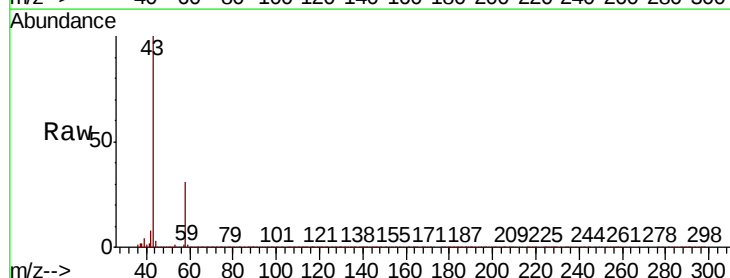
Acq: 13 Nov 2019 13:34

Tgt Ion: 43 Resp: 421823

Ion Ratio Lower Upper

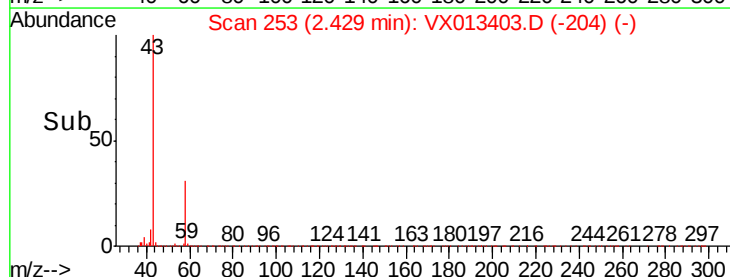
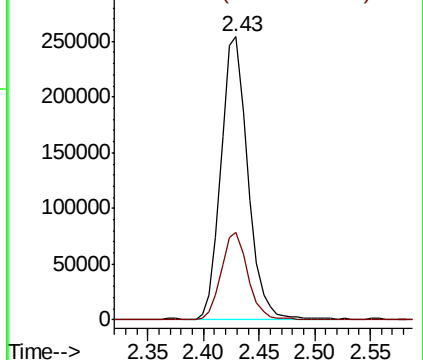
43 100

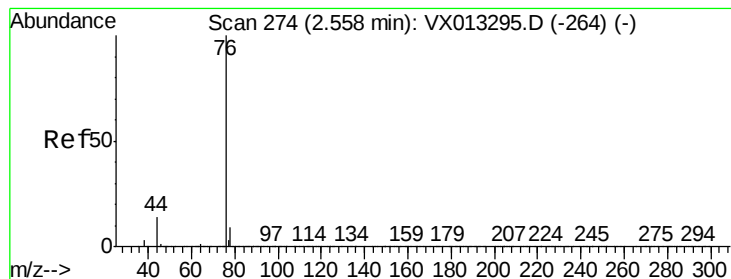
58 31.0 24.3 36.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 19.255 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Instrument :

MSVOA\_X

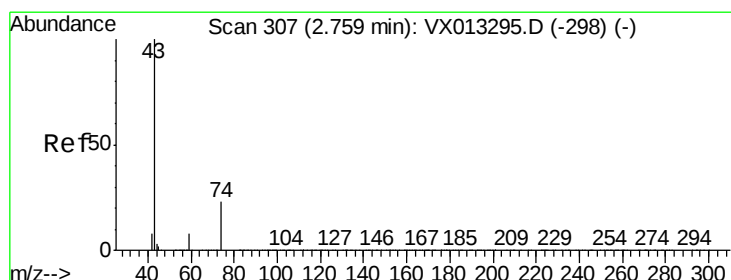
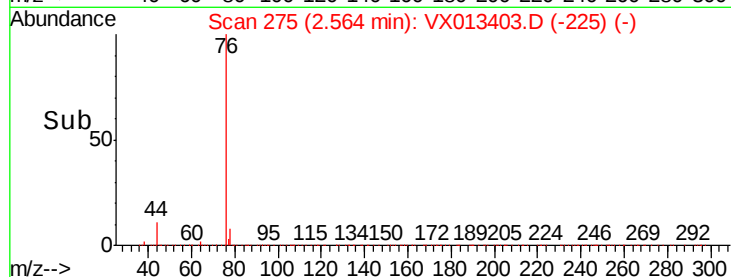
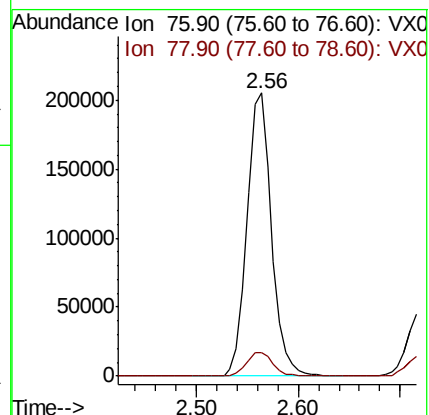
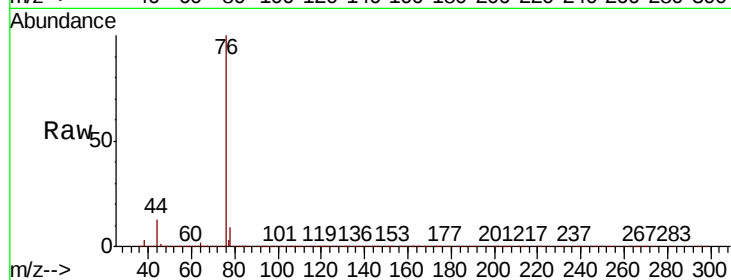
ClientSampleId :

Tot Ion: 76 Resp: 341787

Ion Ratio Lower Upper

76 100

78 8.3 7.0 10.6



#18

Methyl Acetate

Concen: 20.384 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX013403.D

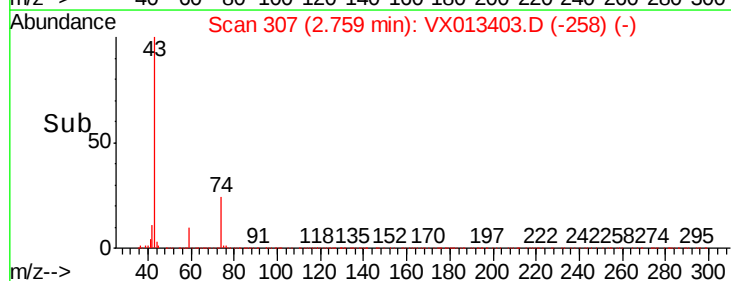
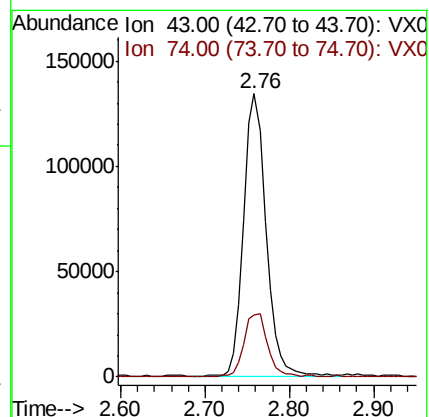
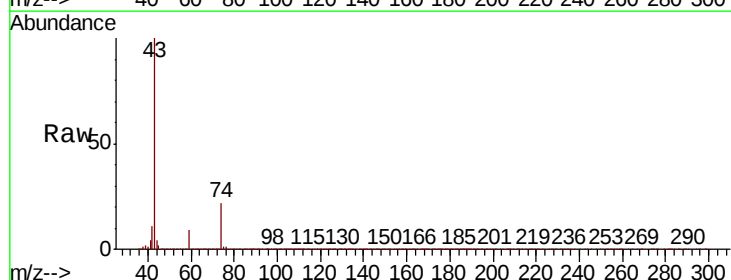
Acq: 13 Nov 2019 13:34

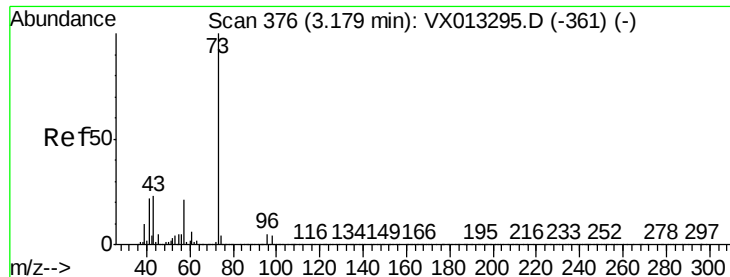
Tgt Ion: 43 Resp: 240427

Ion Ratio Lower Upper

43 100

74 23.5 19.0 28.6

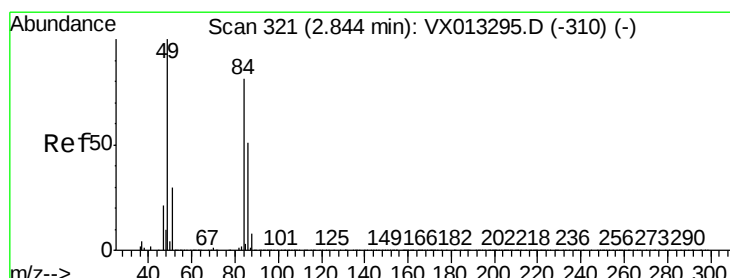
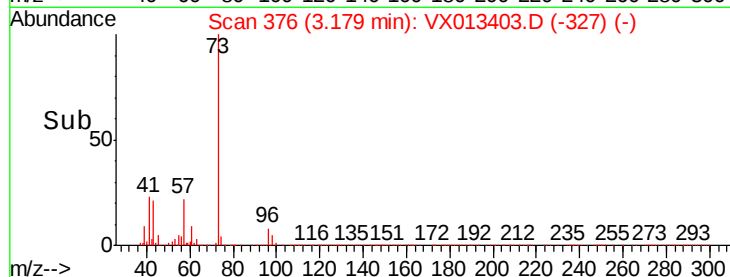
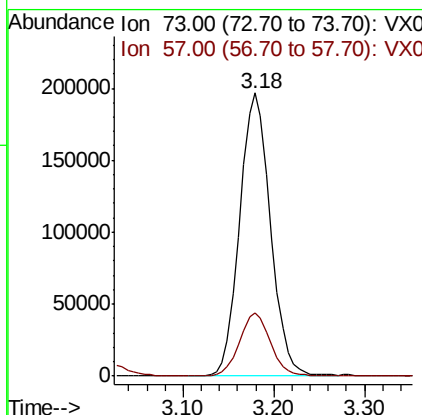
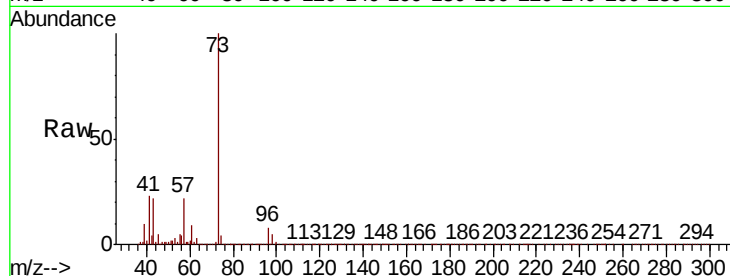




#19  
Methyl tert-butyl Ether  
Concen: 20.845 ug/l  
RT: 3.18 min Scan# 376  
Delta R.T. -0.00 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

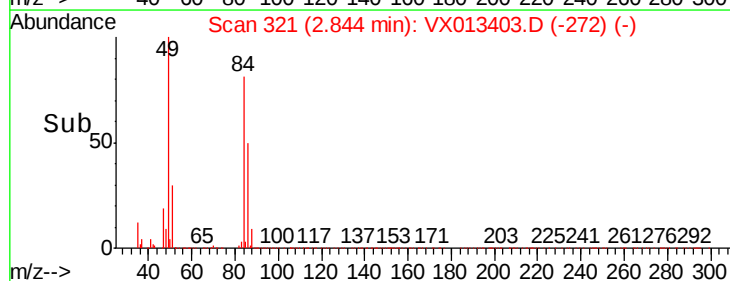
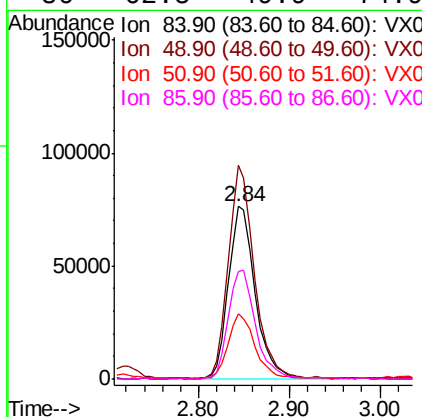
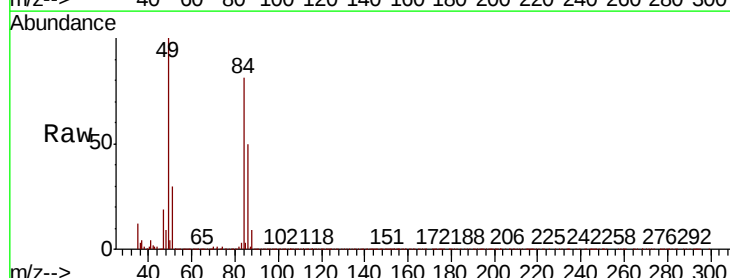
Instrument :  
MSVOA\_X  
ClientSampleId :

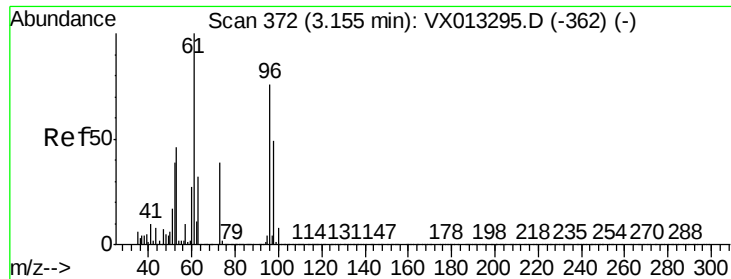
Tot Ion: 73 Resp: 461082  
Ion Ratio Lower Upper  
73 100  
57 22.1 17.1 25.7



#20  
Methylene Chloride  
Concen: 19.681 ug/l  
RT: 2.84 min Scan# 321  
Delta R.T. -0.00 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

Tgt Ion: 84 Resp: 155352  
Ion Ratio Lower Upper  
84 100  
49 123.5 98.2 147.4  
51 37.4 29.9 44.9  
86 62.5 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.844 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Instrument :  
MSVOA\_X  
ClientSampleId :

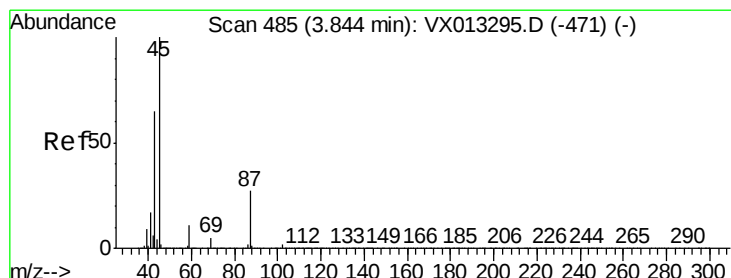
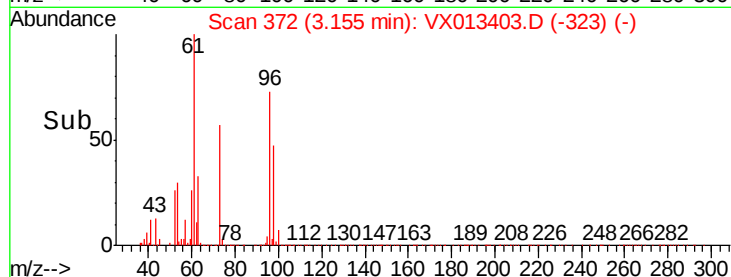
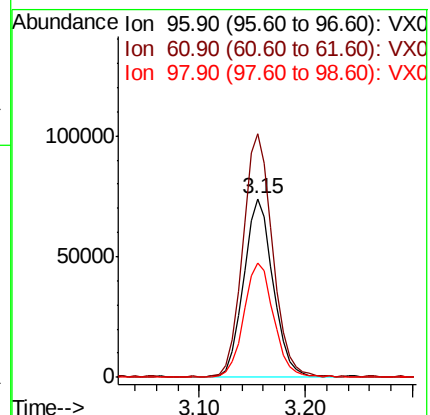
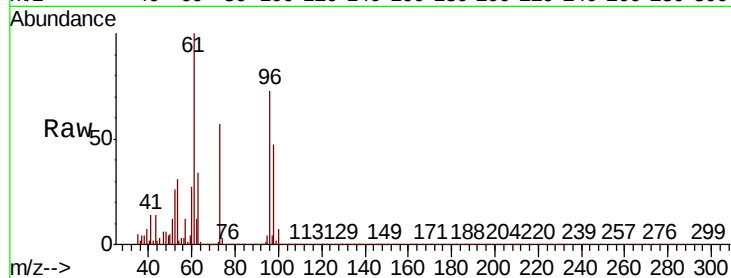
Tot Ion: 96 Resp: 143295

Ion Ratio Lower Upper

96 100

61 136.0 105.8 158.6

98 64.0 51.8 77.6



#22

Diisopropyl ether

Concen: 21.077 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Tgt Ion: 45 Resp: 490340

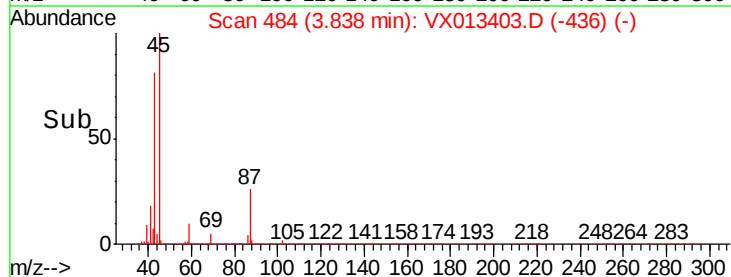
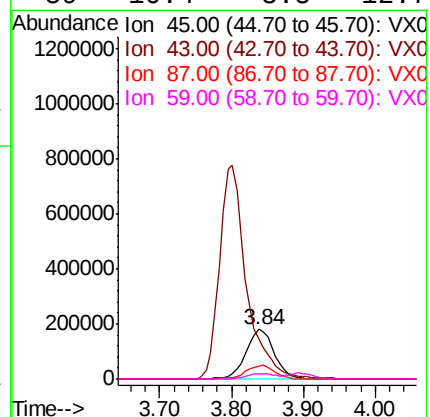
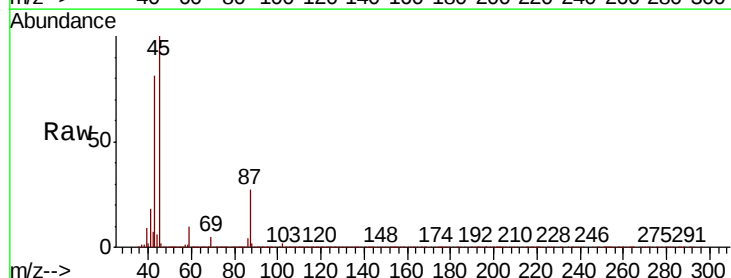
Ion Ratio Lower Upper

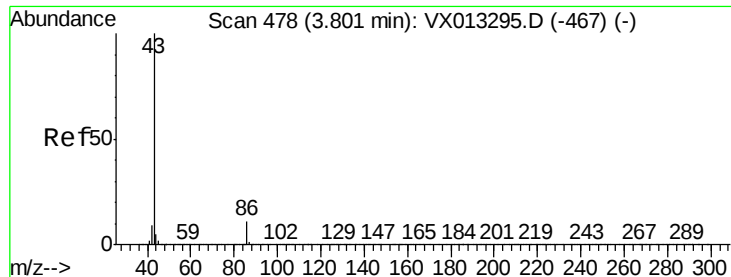
45 100

43 80.8 54.2 81.2

87 26.4 21.8 32.8

59 10.4 8.5 12.7





#23

Vinyl Acetate

Concen: 101.678 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Instrument :

MSVOA\_X

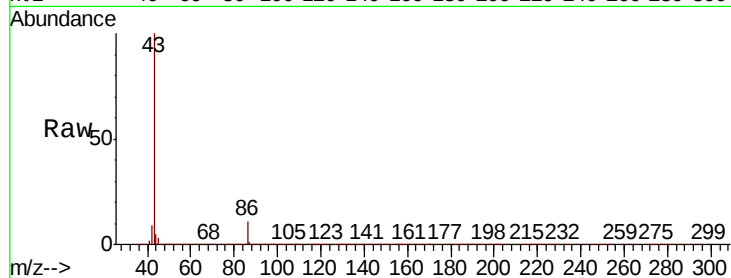
ClientSampleId :

Tot Ion: 43 Resp: 2024091

Ion Ratio Lower Upper

43 100

86 11.0 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

800000

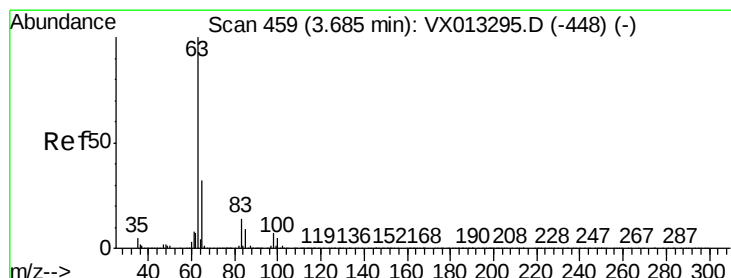
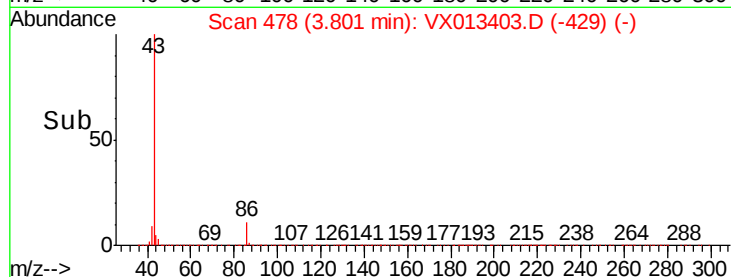
600000

400000

200000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 20.560 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

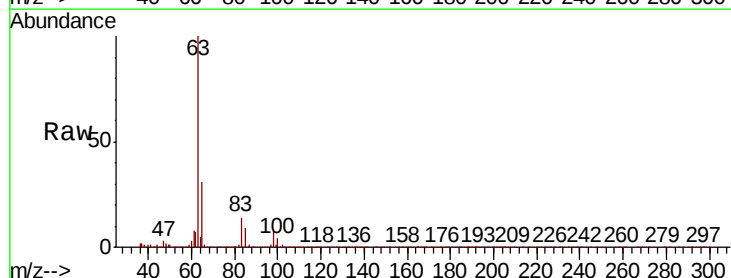
Tgt Ion: 63 Resp: 267564

Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.4

100 4.2 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

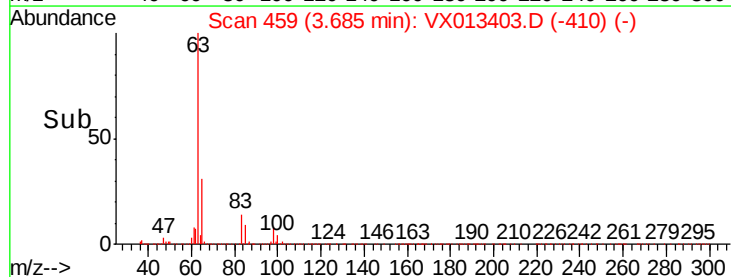
150000

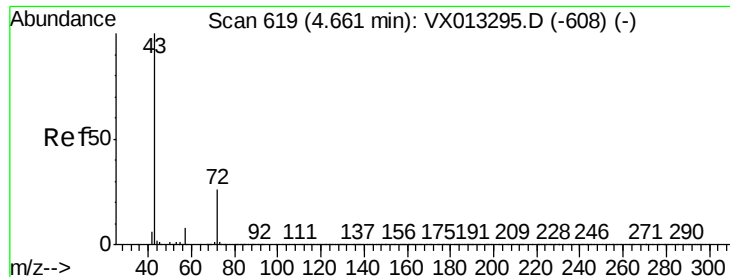
100000

50000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 98.374 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Instrument :

MSVOA\_X

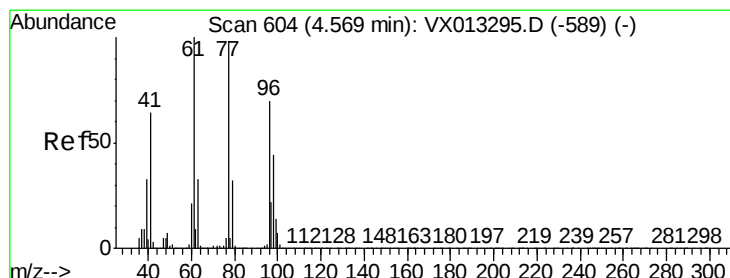
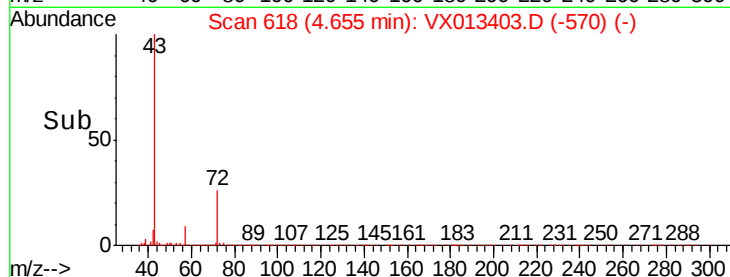
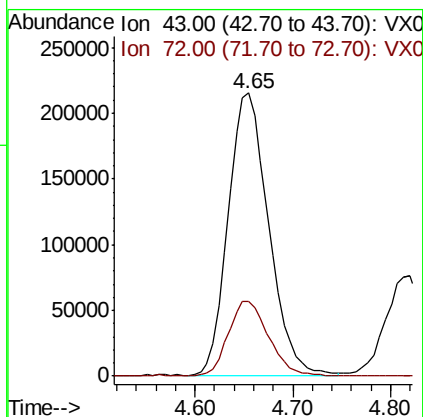
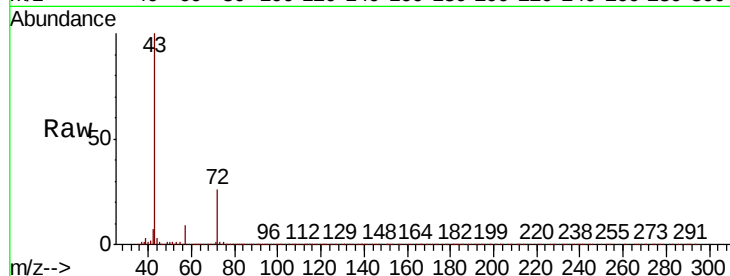
ClientSampled :

Tot Ion: 43 Resp: 616562

Ion Ratio Lower Upper

43 100

72 26.1 21.0 31.6



#26

2,2-Dichloropropane

Concen: 21.018 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013403.D

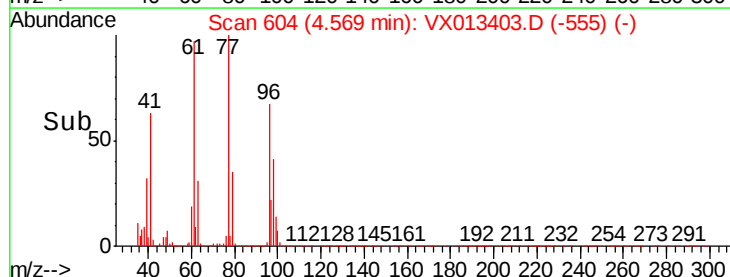
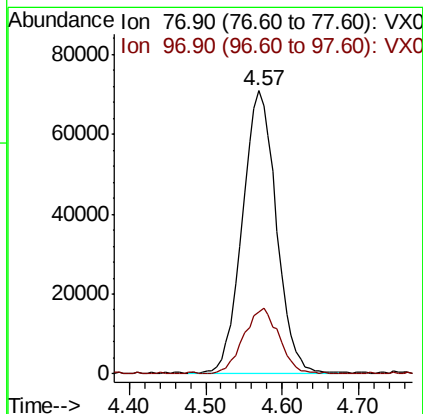
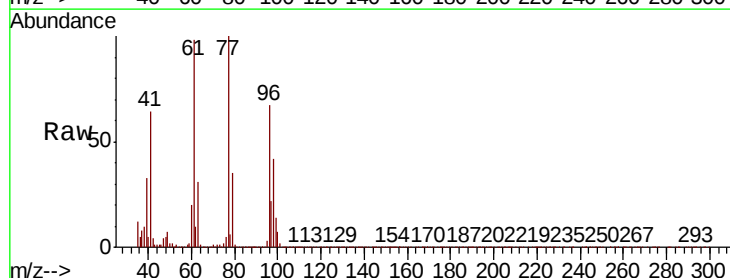
Acq: 13 Nov 2019 13:34

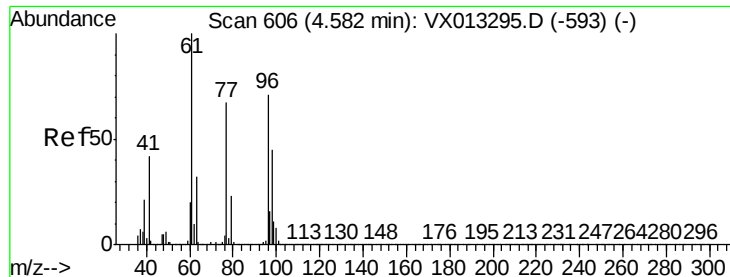
Tgt Ion: 77 Resp: 217602

Ion Ratio Lower Upper

77 100

97 24.5 11.3 33.8



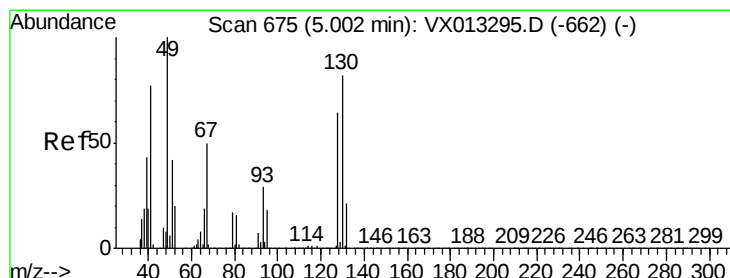
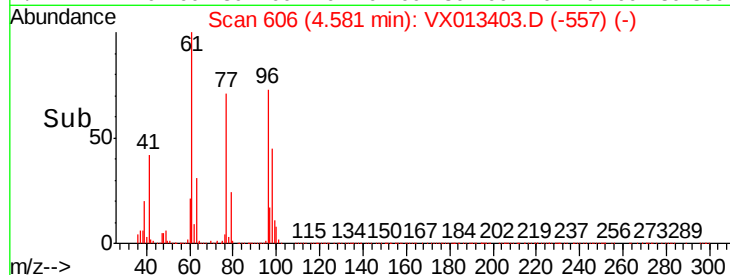
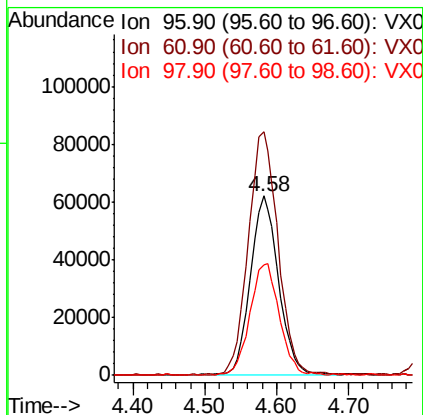
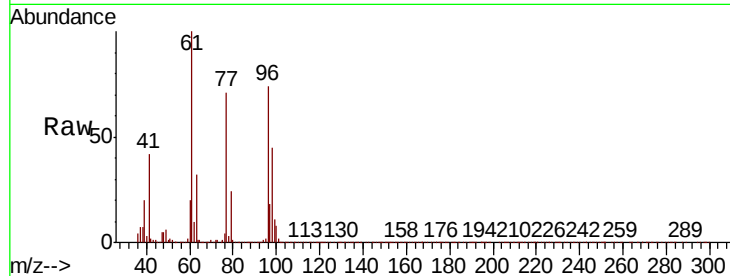


#27

cis-1,2-Dichloroethene  
Concen: 20.780 ug/l  
RT: 4.58 min Scan# 606  
Delta R.T. -0.00 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

Instrument :  
MSVOA\_X  
ClientSampleId :

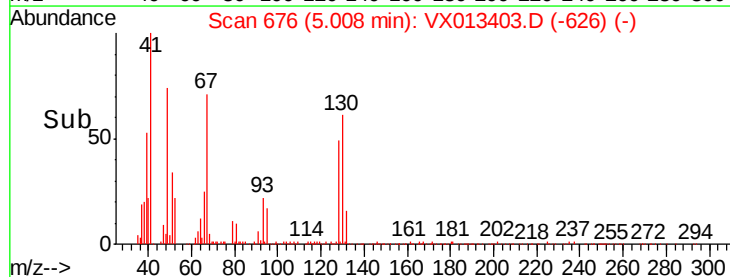
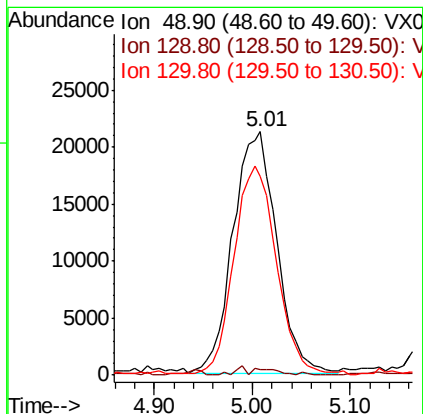
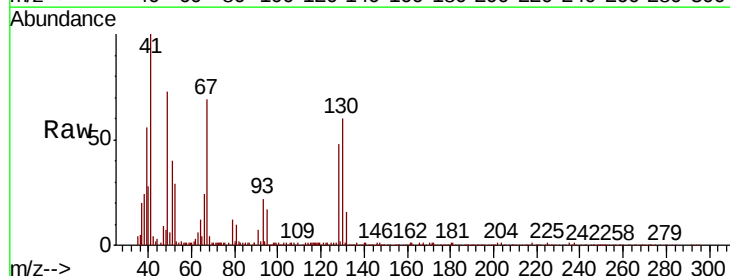
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 143.6 | 0.0   | 288.0 |
| 98      | 64.9  | 0.0   | 129.6 |

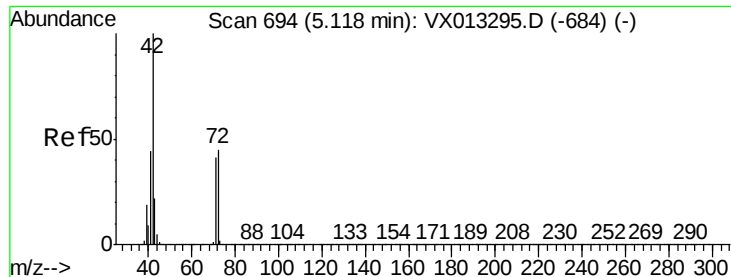


#28

Bromochloromethane  
Concen: 17.779 ug/l  
RT: 5.01 min Scan# 676  
Delta R.T. 0.01 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.5   | 0.0   | 5.2   |
| 130     | 82.7  | 63.8  | 95.6  |





#29

Tetrahydrofuran

Concen: 96.297 ug/l

RT: 5.11 min Scan# 693

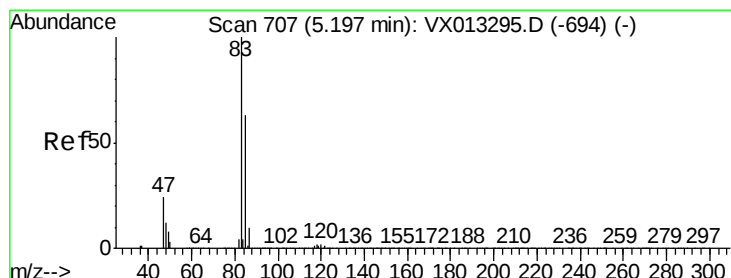
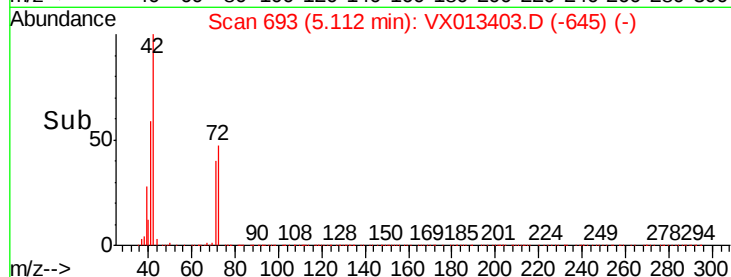
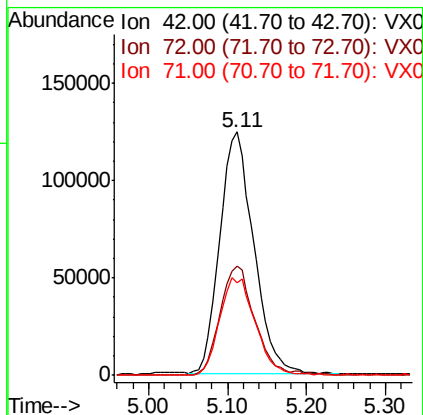
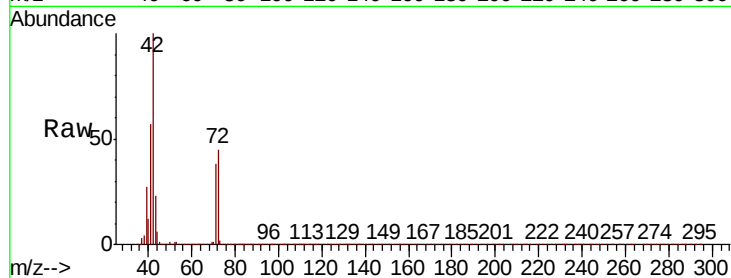
Delta R.T. -0.01 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Instrument :  
MSVOA\_X  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 42    | Resp: | 371927 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 72       | 46.4  | 35.8  | 53.8   |
| 71       | 42.8  | 33.4  | 50.0   |



#30

Chloroform

Concen: 20.475 ug/l

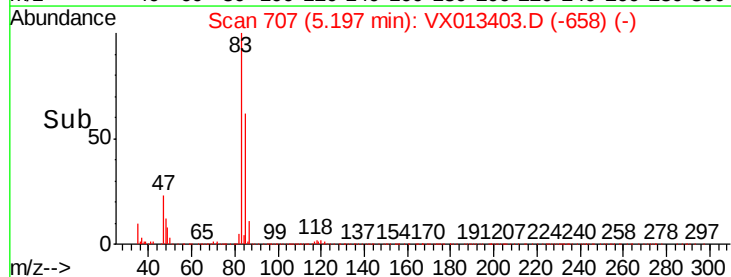
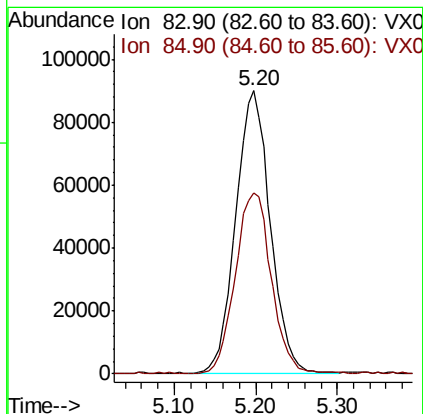
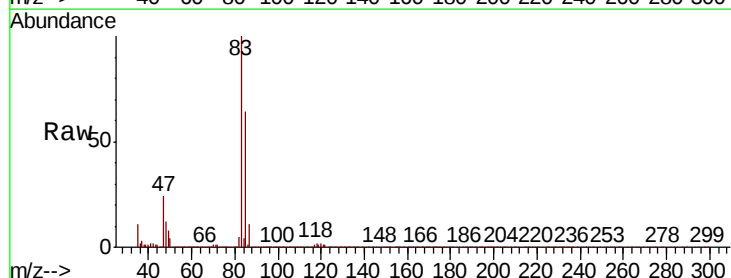
RT: 5.20 min Scan# 707

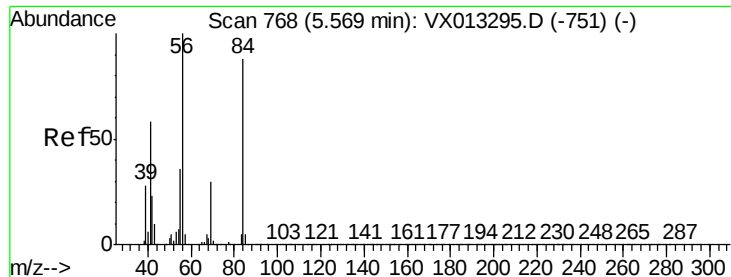
Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 263116 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 63.5  | 50.2  | 75.4   |

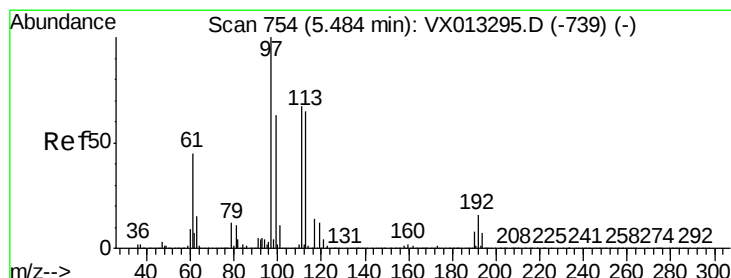
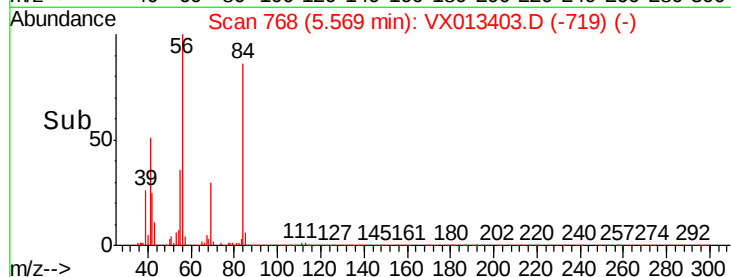
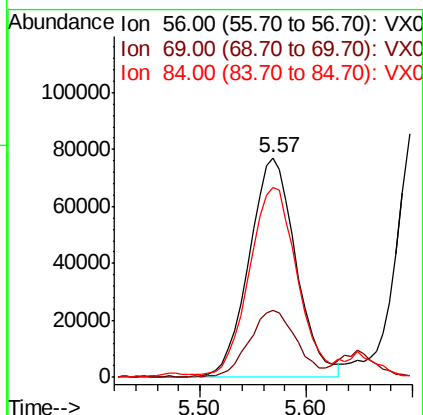
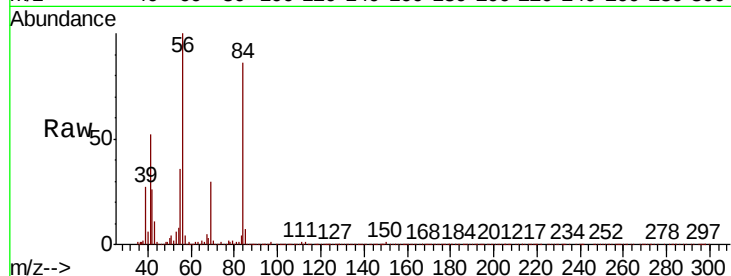




#31  
Cyclohexane  
Concen: 20.294 ug/l  
RT: 5.57 min Scan# 768  
Delta R.T. -0.00 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

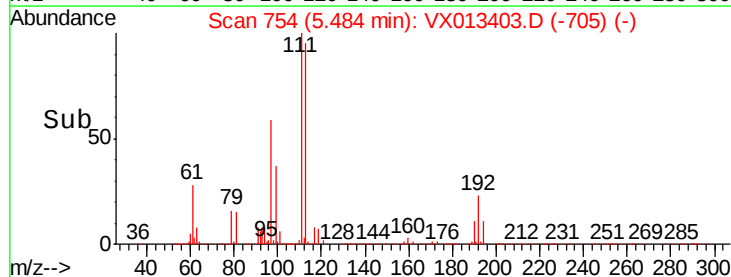
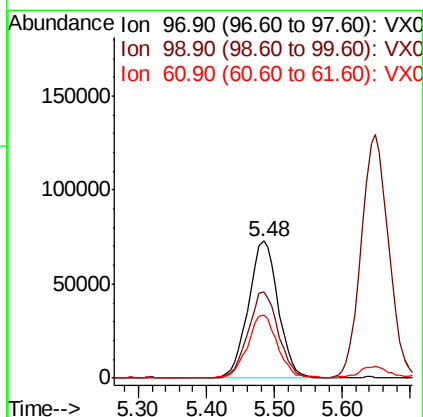
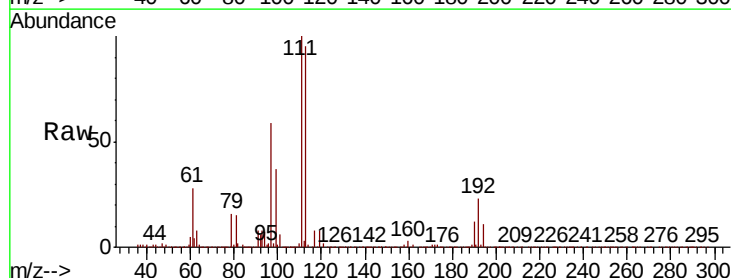
Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion: 56 Resp: 237644  
Ion Ratio Lower Upper  
56 100  
69 30.6 23.7 35.5  
84 85.2 70.6 105.8



#32  
1,1,1-Trichloroethane  
Concen: 20.242 ug/l  
RT: 5.48 min Scan# 754  
Delta R.T. -0.00 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

Tgt Ion: 97 Resp: 223858  
Ion Ratio Lower Upper  
97 100  
99 63.0 51.1 76.7  
61 44.8 36.5 54.7





#33

1,2-Dichloroethane-d4

Concen: 48.020 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Instrument :

MSVOA\_X

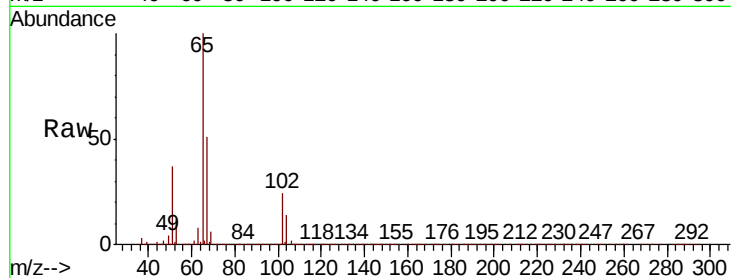
ClientSampleId :

Tot Ion: 65 Resp: 411309

Ion Ratio Lower Upper

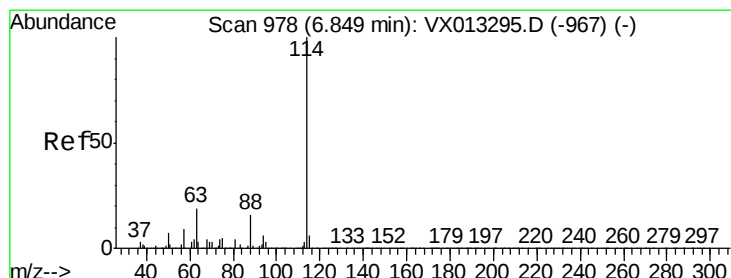
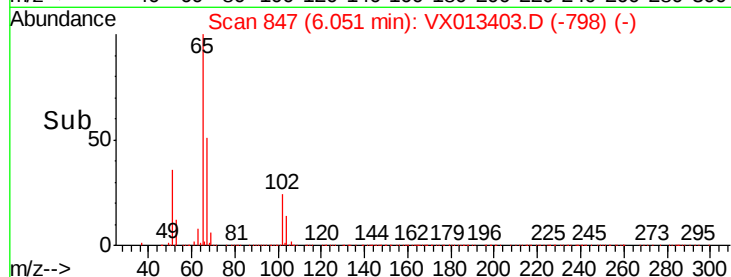
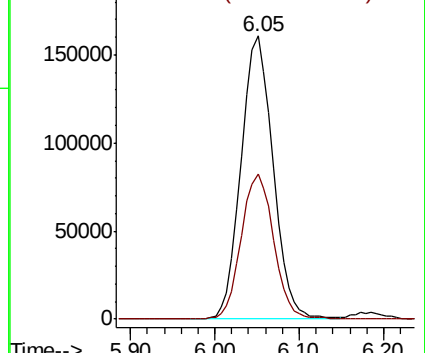
65 100

67 51.8 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

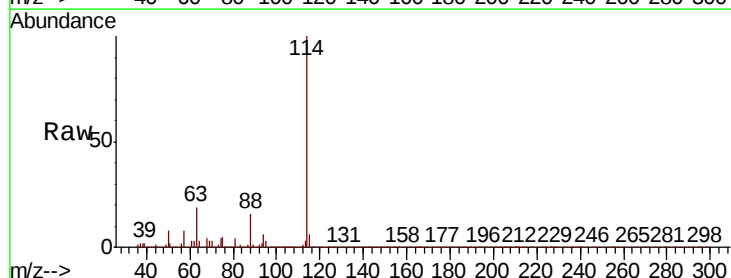
Tgt Ion: 114 Resp: 1091481

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.4

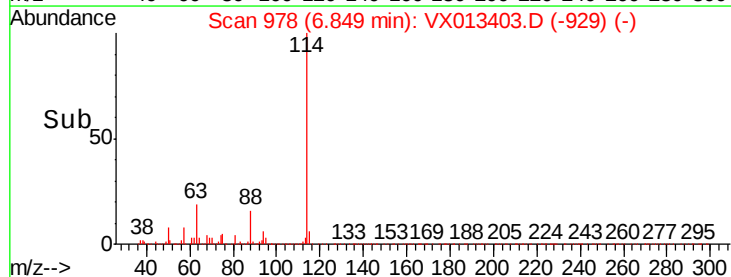
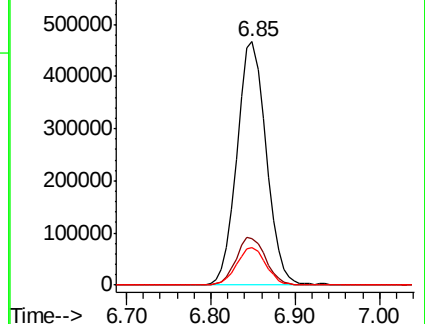
88 15.6 0.0 32.2

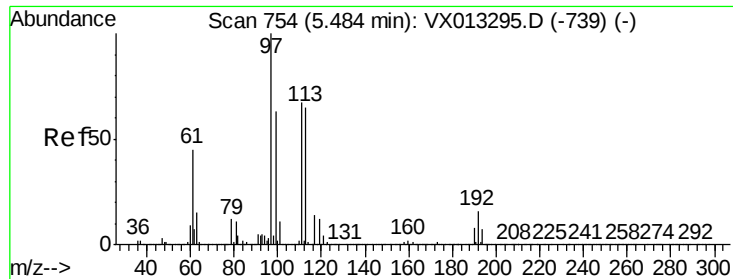


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

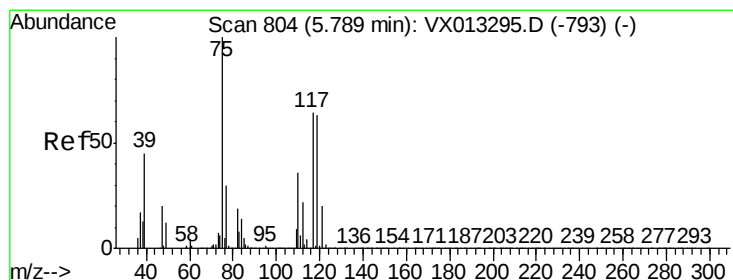
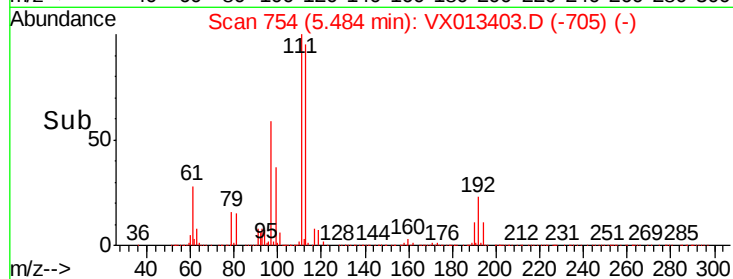
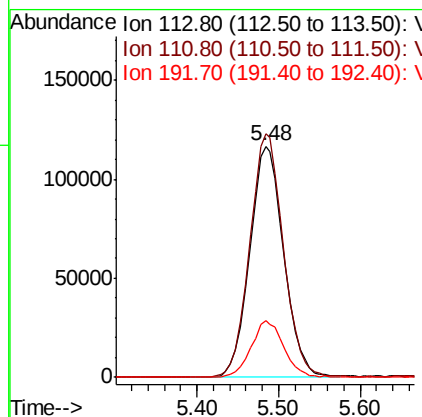
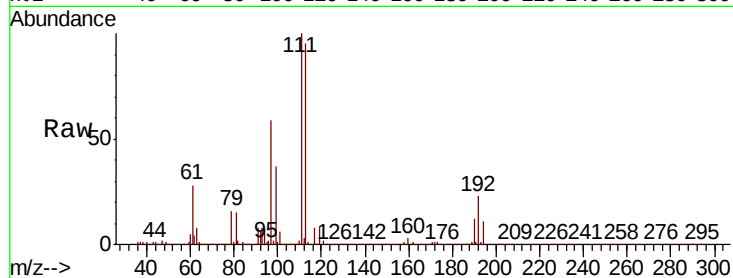




#35  
 Dibromofluoromethane  
 Concen: 49.289 ug/l  
 RT: 5.48 min Scan# 754  
 Delta R.T. -0.00 min  
 Lab File: VX013403.D  
 Acq: 13 Nov 2019 13:34

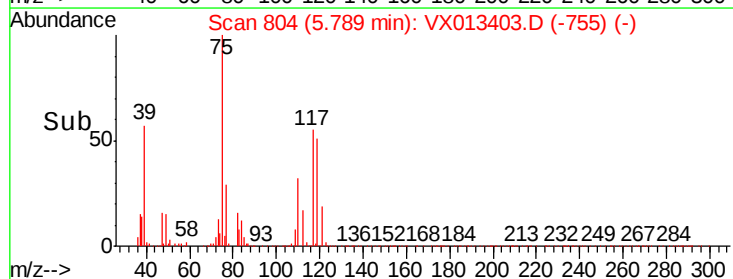
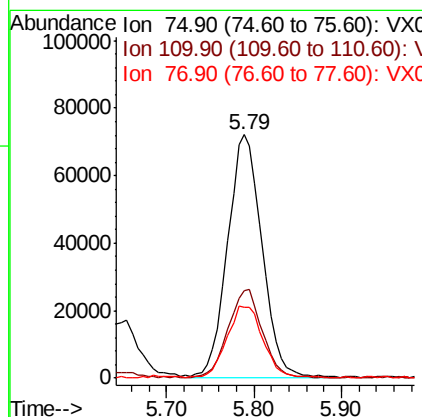
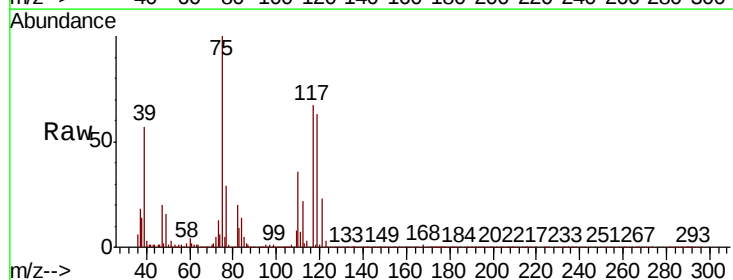
Instrument :  
 MSVOA\_X  
 ClientSampleId :

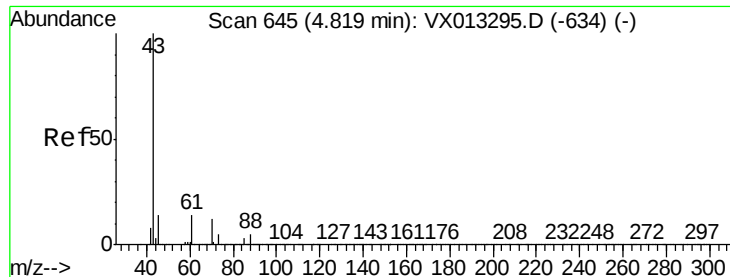
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.3 | 81.9  | 122.9 |
| 192     | 24.0  | 19.1  | 28.7  |



#36  
 1,1-Dichloropropene  
 Concen: 20.869 ug/l  
 RT: 5.79 min Scan# 804  
 Delta R.T. -0.00 min  
 Lab File: VX013403.D  
 Acq: 13 Nov 2019 13:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.3  | 18.1  | 54.1  |
| 77      | 30.3  | 25.0  | 37.4  |

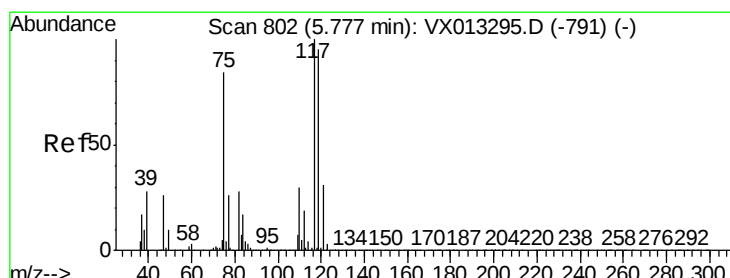
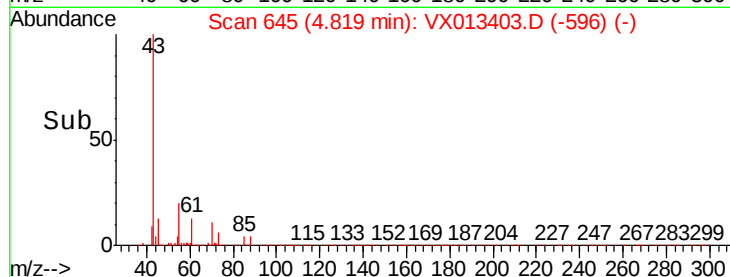
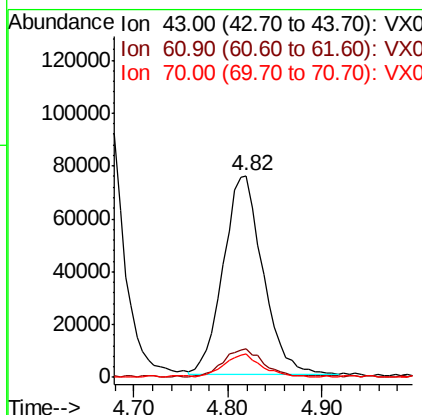
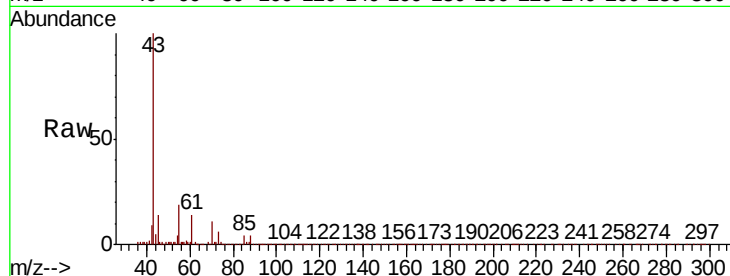




#37  
Ethyl Acetate  
Concen: 19.099 ug/l  
RT: 4.82 min Scan# 645  
Delta R.T. -0.00 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

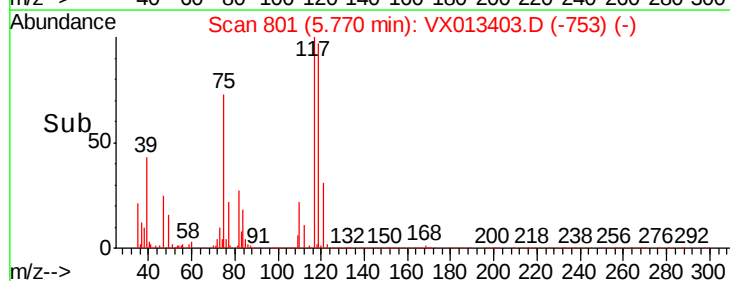
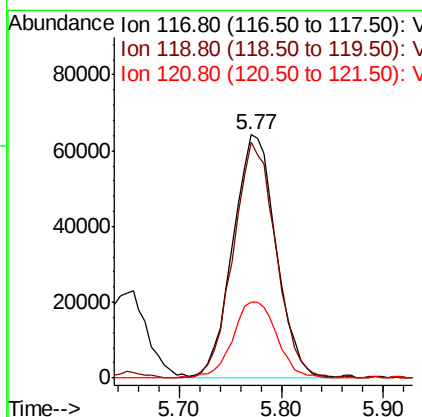
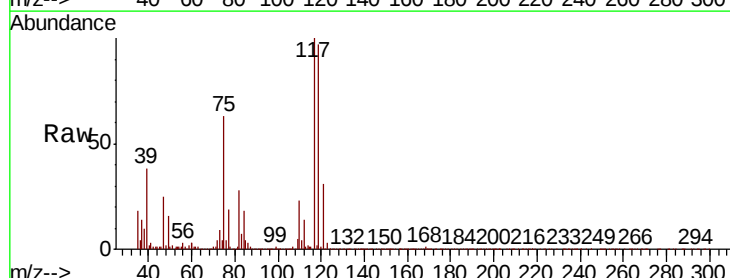
Instrument :  
MSVOA\_X  
ClientSampleId :

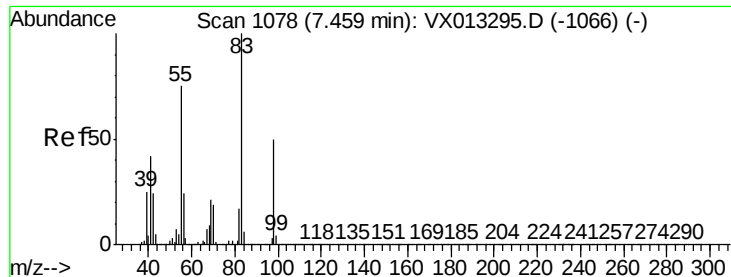
Tot Ion: 43 Resp: 220982  
Ion Ratio Lower Upper  
43 100  
61 14.1 10.7 16.1  
70 10.6 8.7 13.1



#38  
Carbon Tetrachloride  
Concen: 20.438 ug/l  
RT: 5.77 min Scan# 801  
Delta R.T. -0.01 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

Tgt Ion: 117 Resp: 187136  
Ion Ratio Lower Upper  
117 100  
119 96.7 76.1 114.1  
121 30.9 24.6 37.0

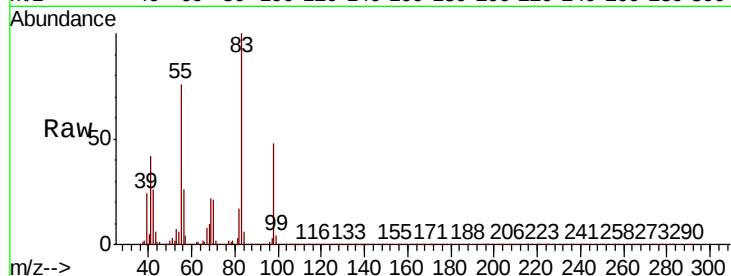




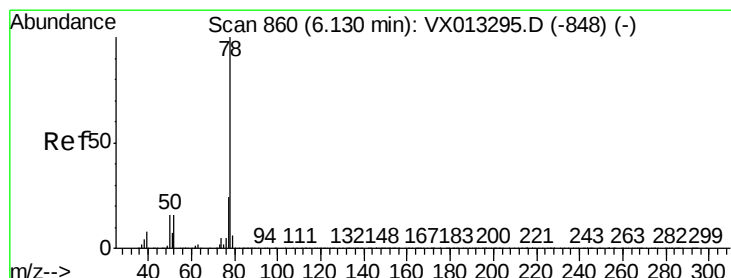
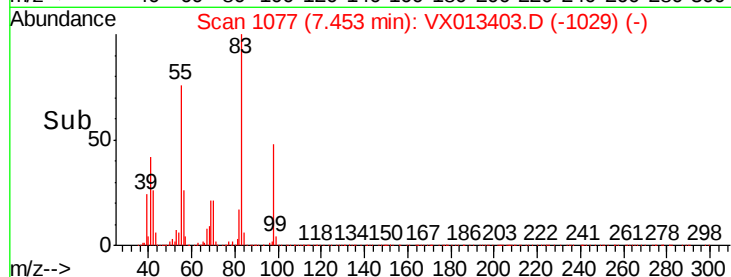
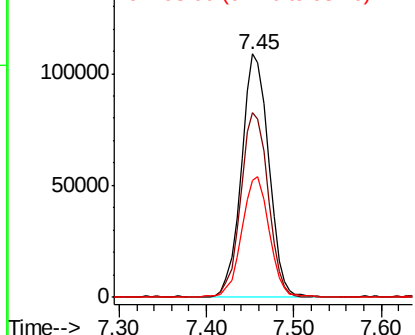
#39  
Methylvlcvclohexane  
Concen: 20.357 ug/l  
RT: 7.45 min Scan# 1077  
Delta R.T. -0.01 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

Instrument :  
MSVOA\_X  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 75.6  | 60.3  | 90.5  |
| 98      | 47.9  | 40.3  | 60.5  |

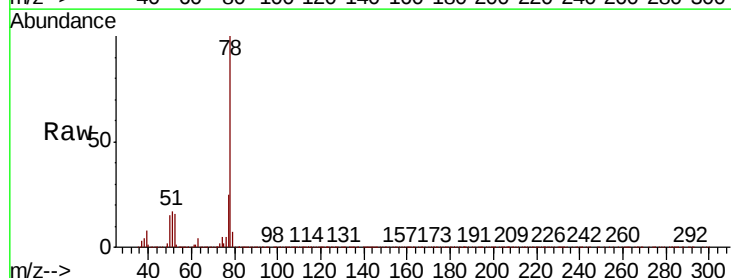


Abundance Ion 83.00 (82.70 to 83.70): VX0  
Ion 55.00 (54.70 to 55.70): VX0  
Ion 98.00 (97.70 to 98.70): VX0

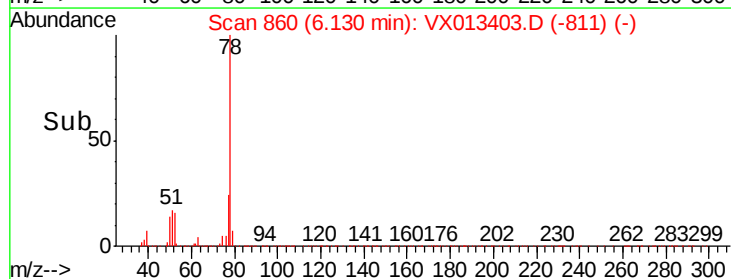
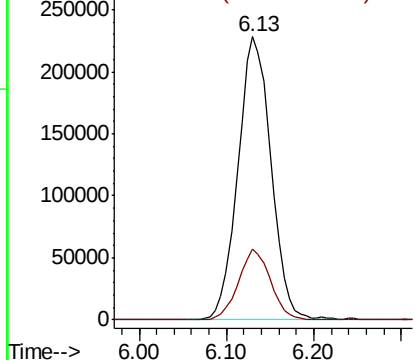


#40  
Benzene  
Concen: 20.587 ug/l  
RT: 6.13 min Scan# 860  
Delta R.T. -0.00 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.9  | 19.5  | 29.3  |



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





#41

Methacrylonitrile

Concen: 19.642 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Instrument :

MSVOA\_X

ClientSampleId :

Tot Ion: 41 Resp: 127380

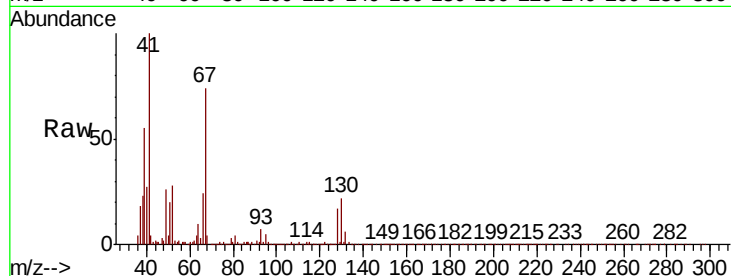
Ion Ratio Lower Upper

41 100

39 54.7 45.0 67.6

67 71.2 55.4 83.2

52 27.6 23.1 34.7

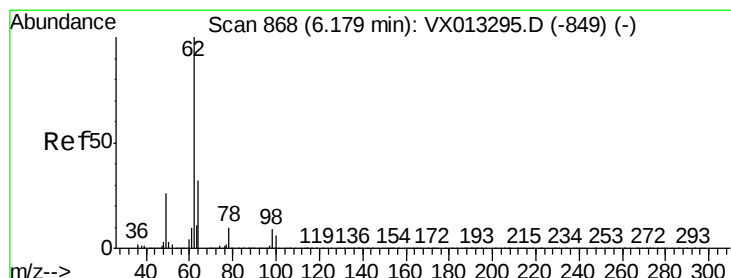
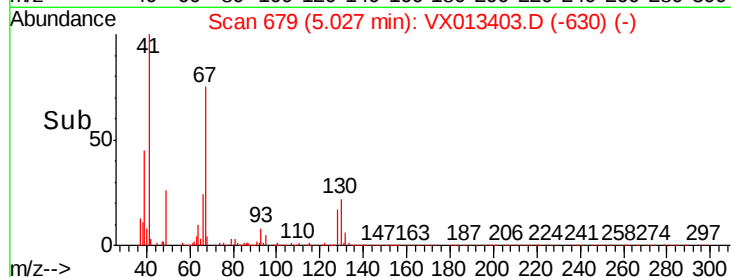
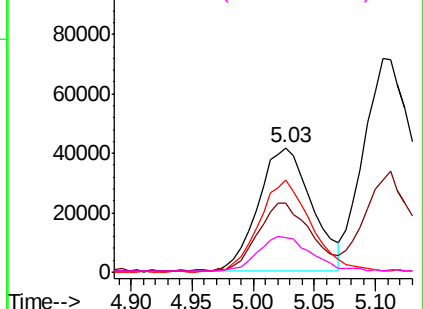


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 20.309 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX013403.D

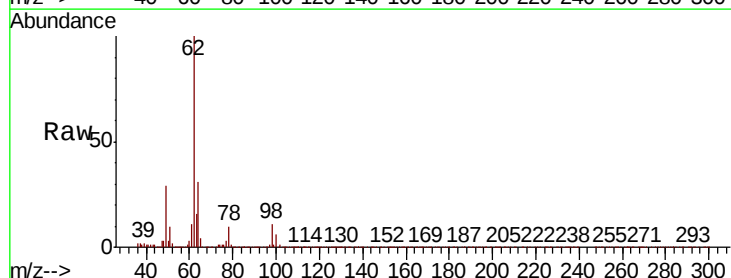
Acq: 13 Nov 2019 13:34

Tgt Ion: 62 Resp: 213669

Ion Ratio Lower Upper

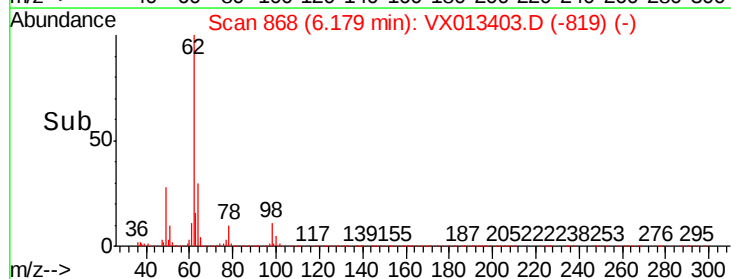
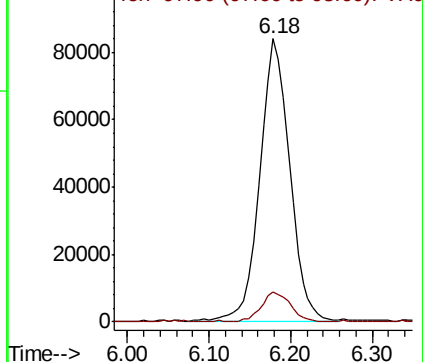
62 100

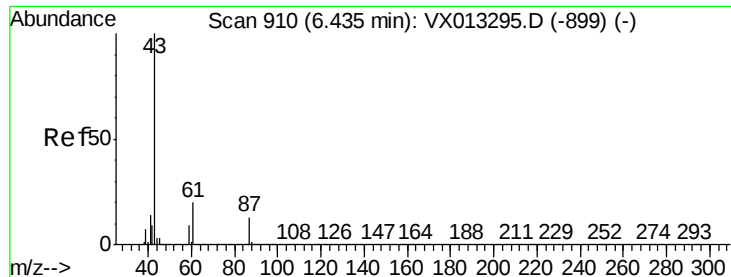
98 10.2 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



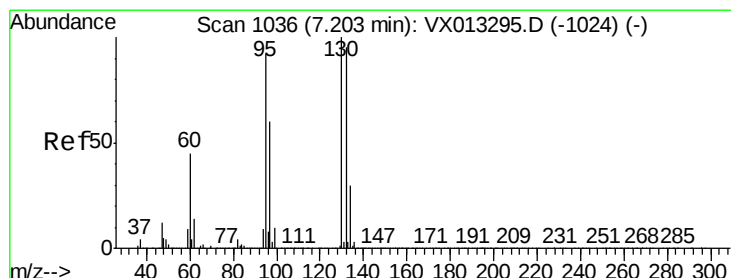
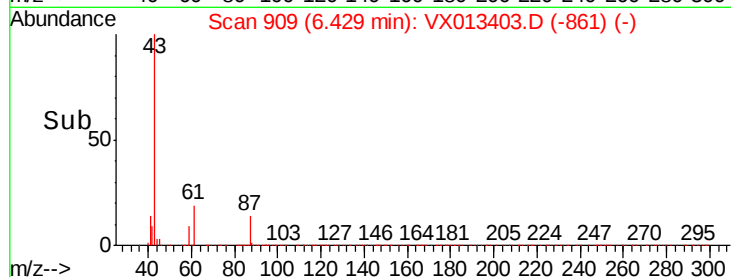
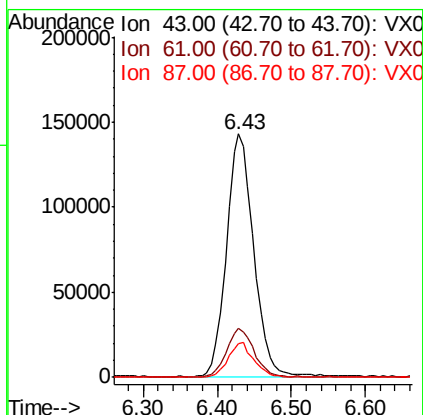
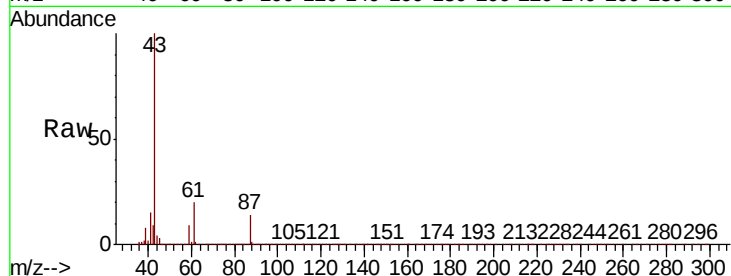


#43

Isopropyl Acetate  
 Concen: 20.176 ug/l  
 RT: 6.43 min Scan# 909  
 Delta R.T. -0.01 min  
 Lab File: VX013403.D  
 Acq: 13 Nov 2019 13:34

Instrument :  
 MSVOA\_X  
 ClientSampleId :

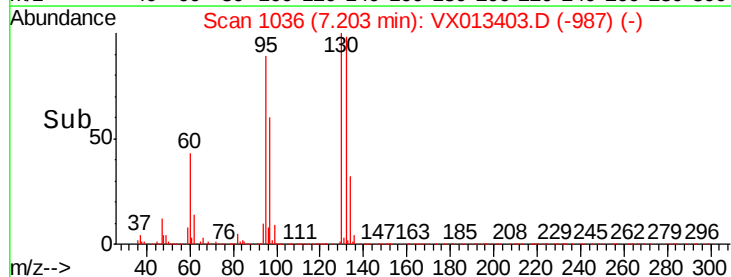
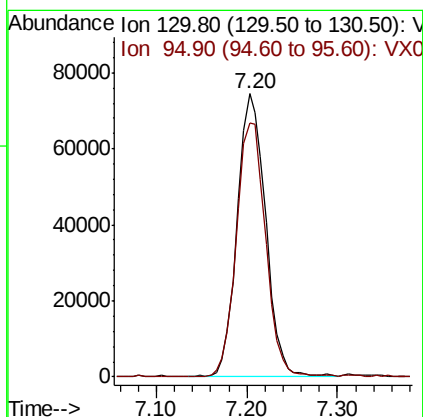
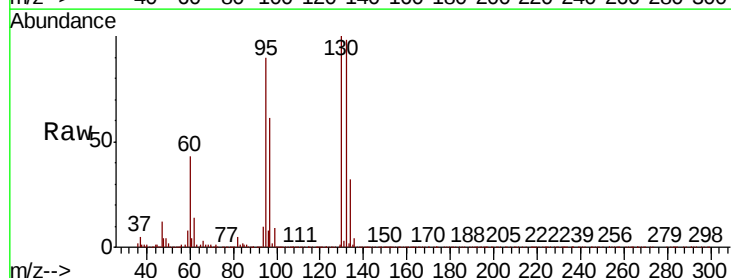
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 363515 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 20.6  | 15.8  | 23.8   |
| 87       | 13.3  | 10.4  | 15.6   |

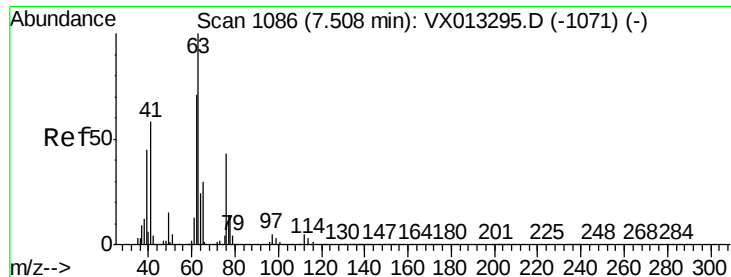


#44

Trichloroethene  
 Concen: 20.163 ug/l  
 RT: 7.20 min Scan# 1036  
 Delta R.T. -0.00 min  
 Lab File: VX013403.D  
 Acq: 13 Nov 2019 13:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 161884 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 89.7  | 0.0   | 184.8  |





#45

1,2-Dichloropropane

Concen: 20.751 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Instrument :

MSVOA\_X

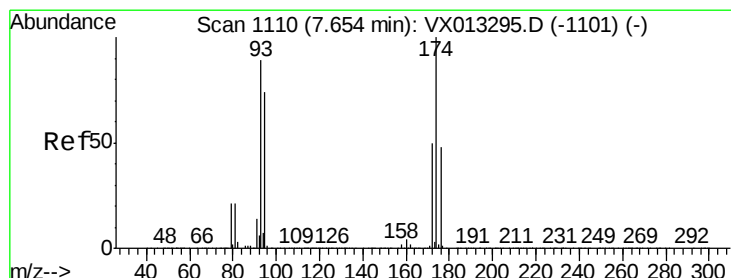
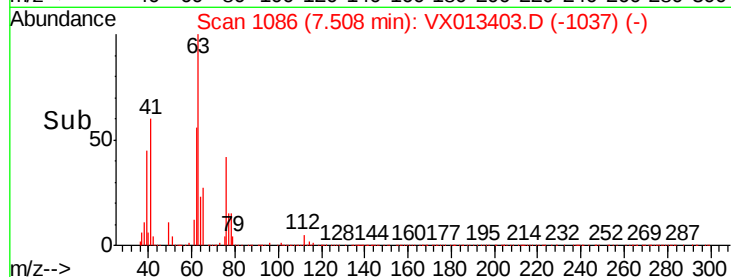
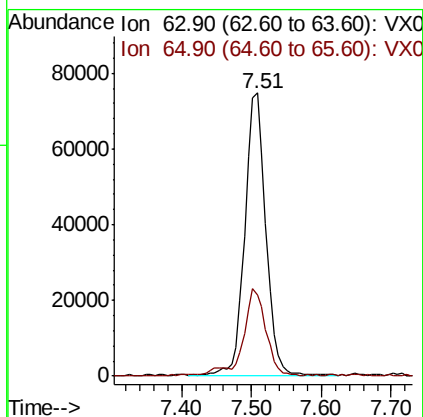
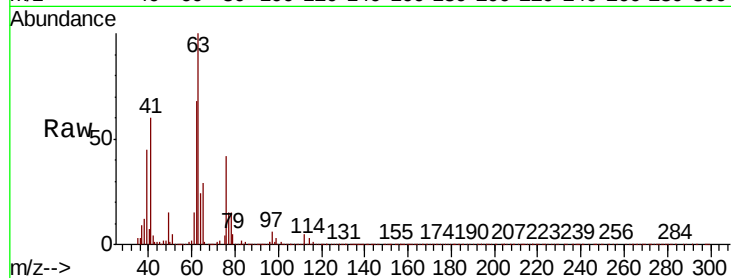
ClientSampleId :

Tot Ion: 63 Resp: 154213

Ion Ratio Lower Upper

63 100

65 28.4 24.3 36.5



#46

Dibromomethane

Concen: 20.256 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

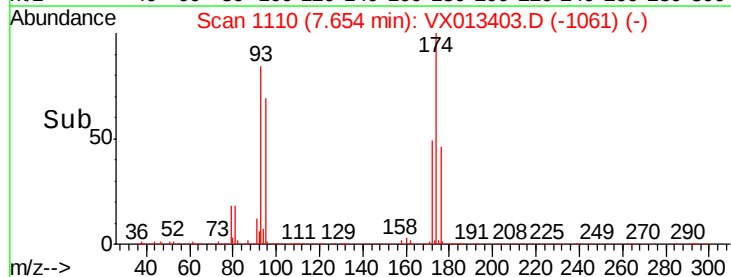
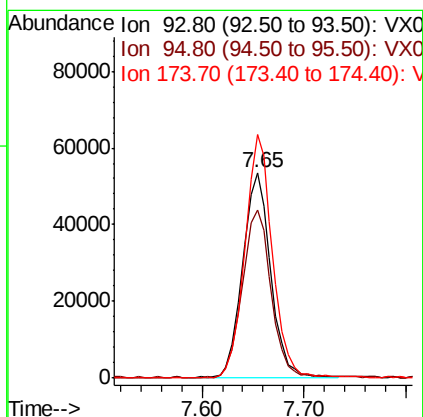
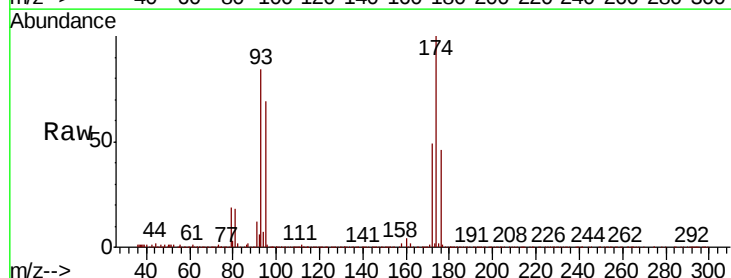
Tgt Ion: 93 Resp: 102781

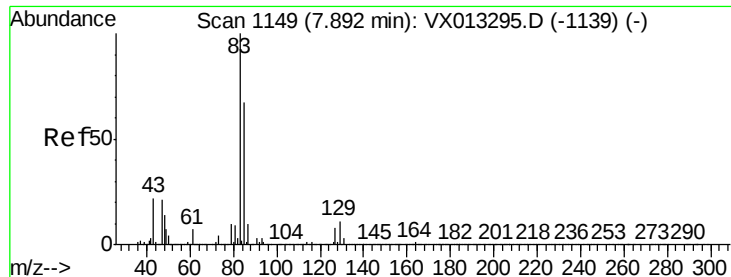
Ion Ratio Lower Upper

93 100

95 84.2 65.8 98.6

174 116.0 90.4 135.6





#47

Bromodichloromethane

Concen: 20.828 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Instrument :

MSVOA\_X

ClientSampleId :

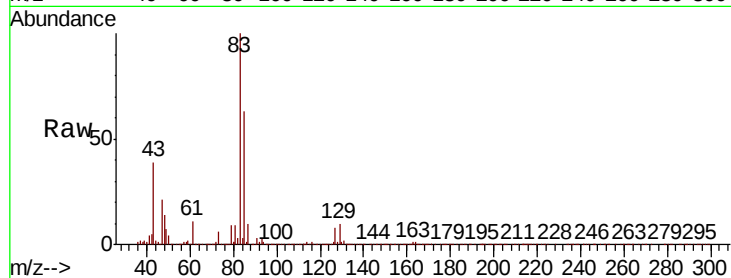
Tot Ion: 83 Resp: 199291

Ion Ratio Lower Upper

83 100

85 62.4 53.7 80.5

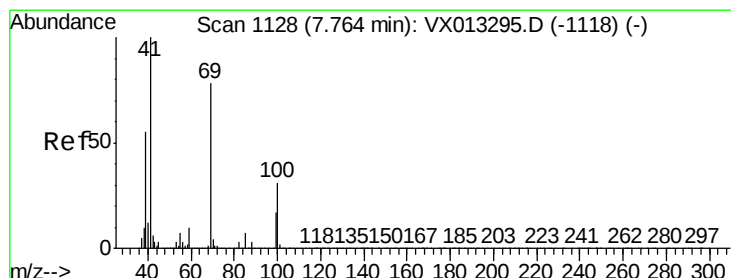
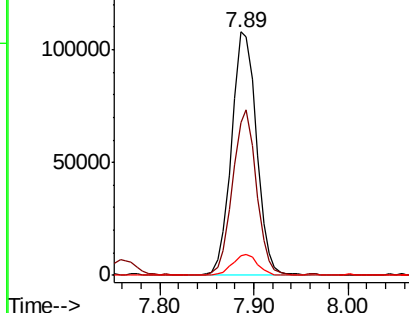
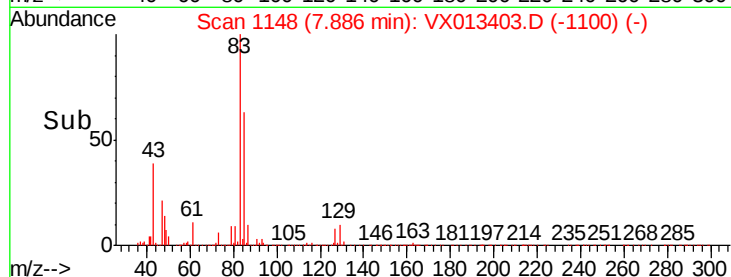
127 7.9 6.4 9.6



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: 20.567 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

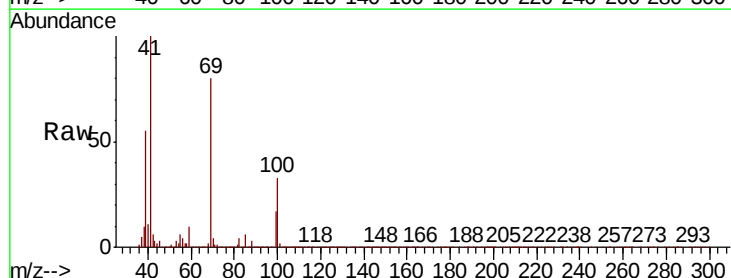
Tgt Ion: 41 Resp: 184971

Ion Ratio Lower Upper

41 100

69 79.8 63.0 94.6

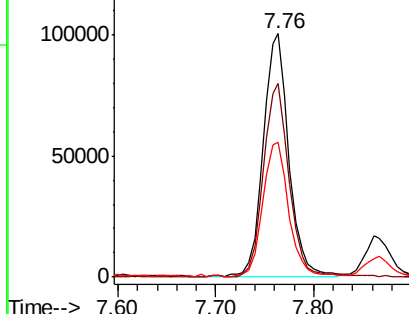
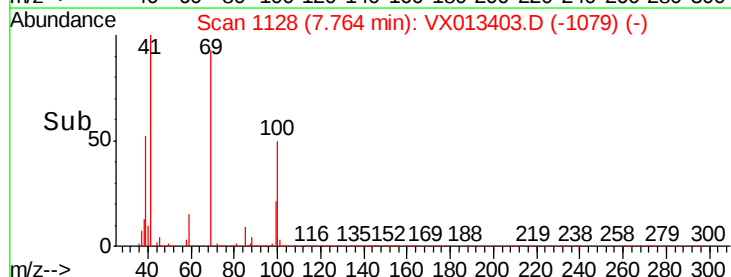
39 55.0 45.9 68.9

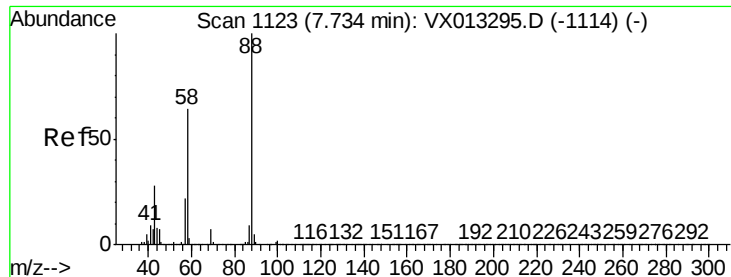


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

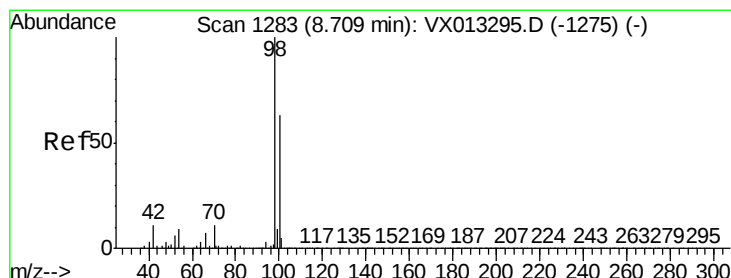
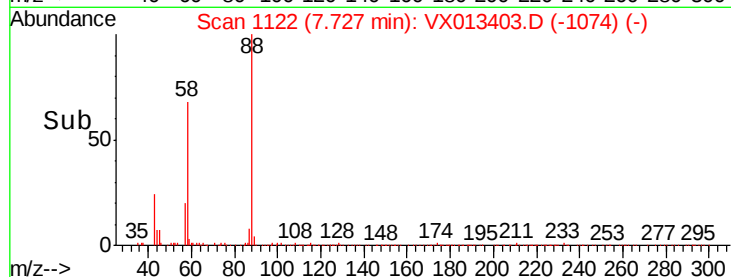
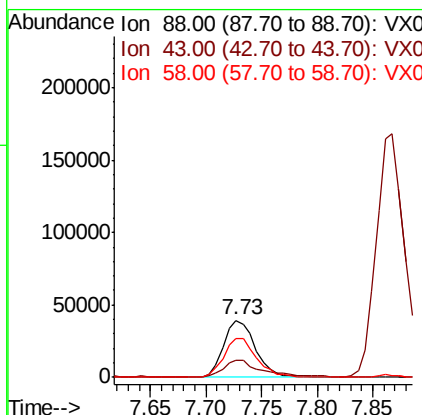
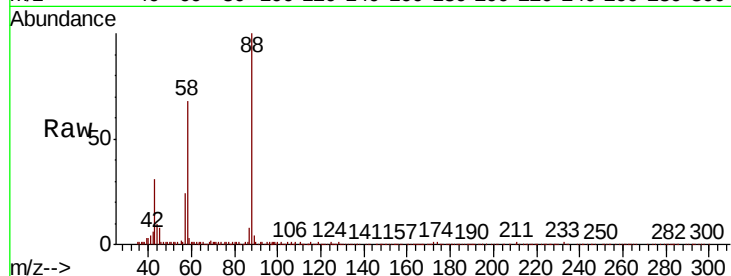




#49  
1,4-Dioxane  
Concen: 374.629 ug/l  
RT: 7.73 min Scan# 1122  
Delta R.T. -0.01 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

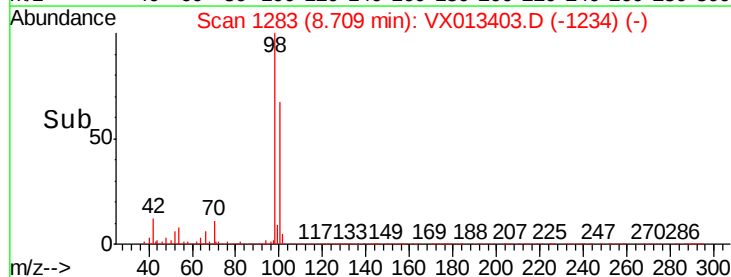
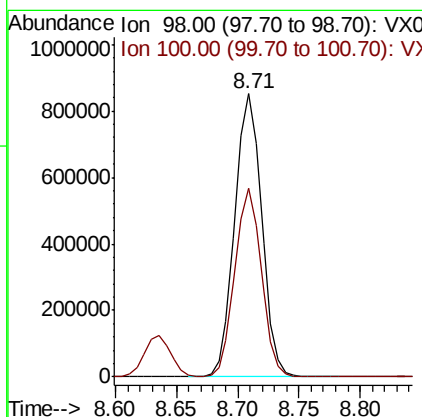
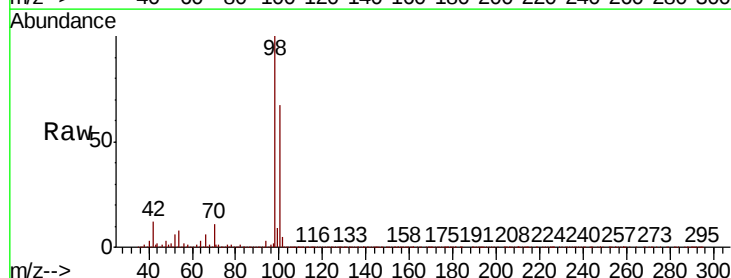
Instrument :  
MSVOA\_X  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 35.4  | 26.6  | 39.8  |
| 58      | 69.5  | 55.0  | 82.6  |



#50  
Toluene-d8  
Concen: 50.389 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.6  | 52.2  | 78.2  |





#51

4-Methyl-2-Pentanone

Concen: 98.473 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Instrument :

MSVOA\_X

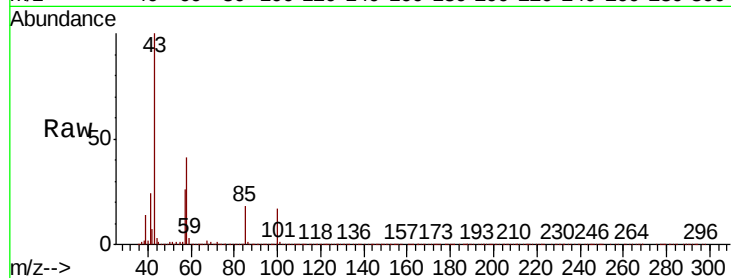
ClientSampleId :

Tot Ion: 43 Resp: 1164015

Ion Ratio Lower Upper

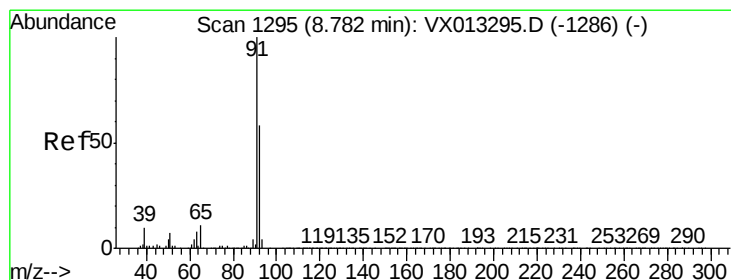
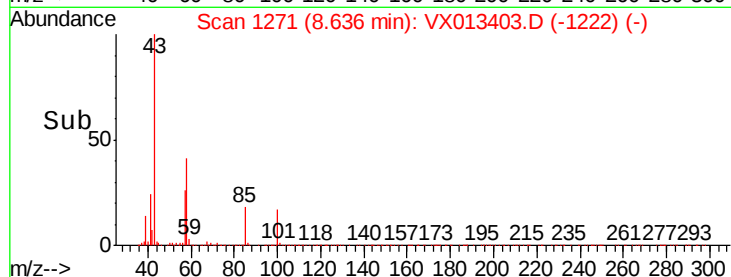
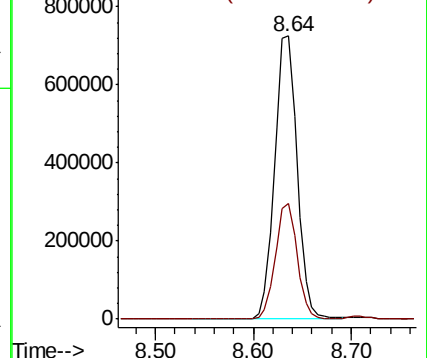
43 100

58 39.7 31.4 47.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.977 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013403.D

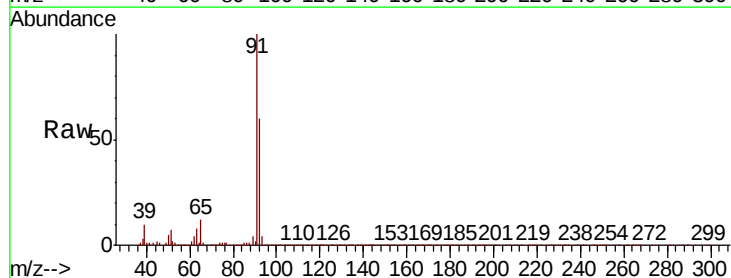
Acq: 13 Nov 2019 13:34

Tgt Ion: 92 Resp: 379212

Ion Ratio Lower Upper

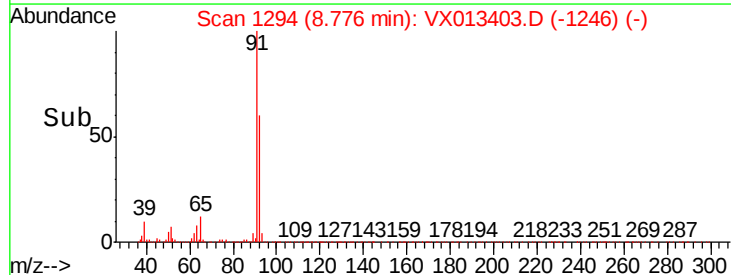
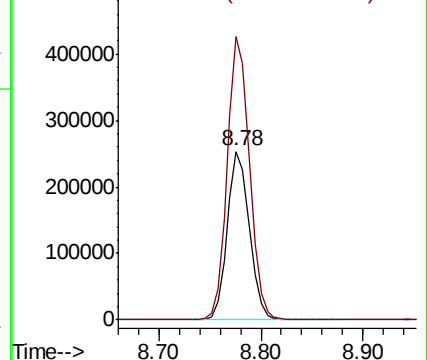
92 100

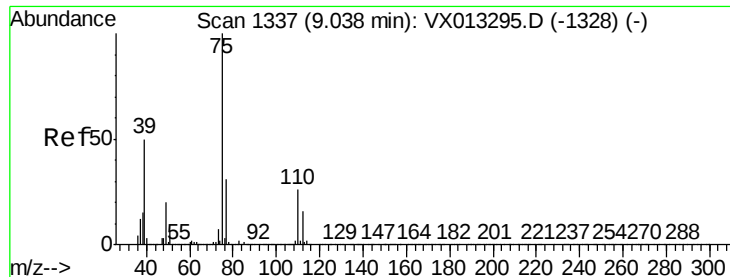
91 169.6 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

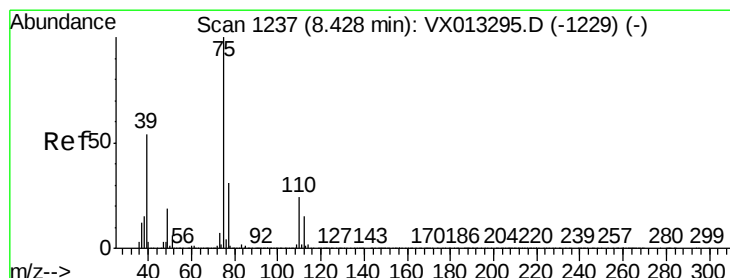
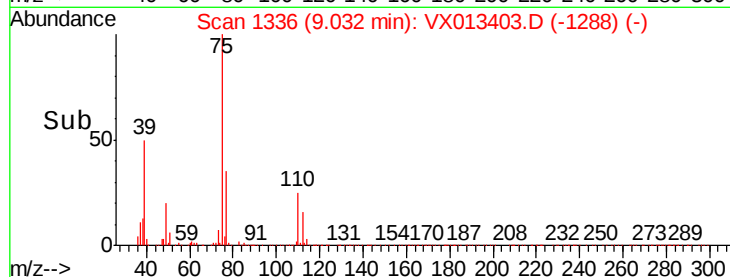
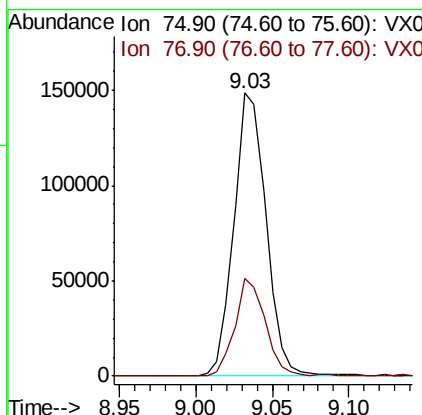
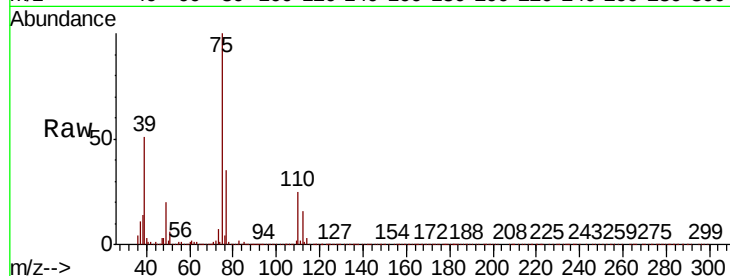




#53  
t-1,3-Dichloropropene  
Concen: 20.723 ug/l  
RT: 9.03 min Scan# 1336  
Delta R.T. -0.01 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

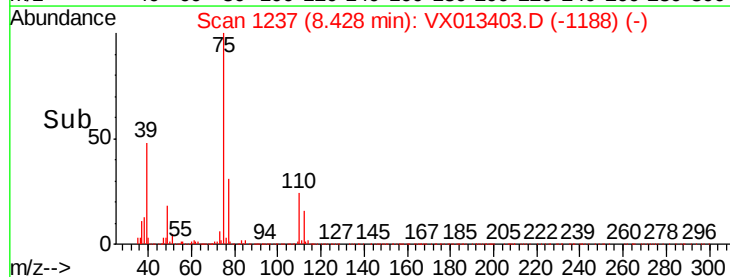
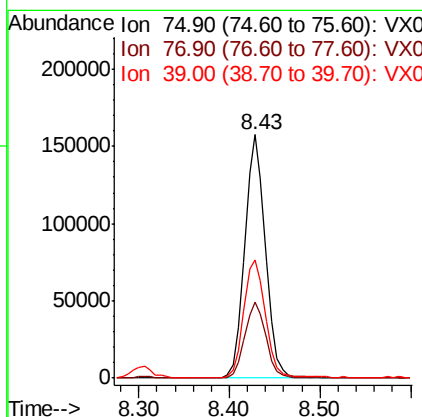
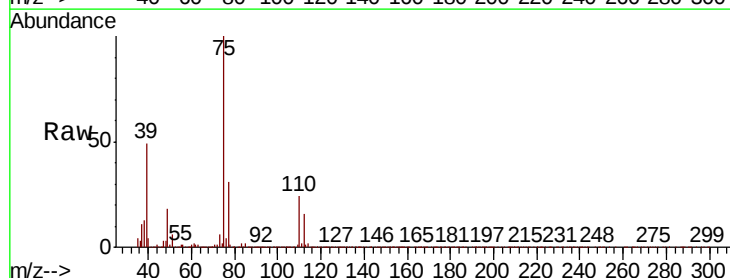
Instrument :  
MSVOA\_X  
ClientSampleId :

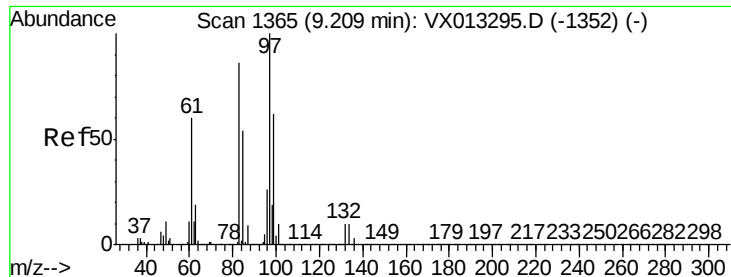
Tot Ion: 75 Resp: 216818  
Ion Ratio Lower Upper  
75 100  
77 34.6 25.0 37.4



#54  
cis-1,3-Dichloropropene  
Concen: 21.105 ug/l  
RT: 8.43 min Scan# 1237  
Delta R.T. -0.00 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

Tgt Ion: 75 Resp: 247014  
Ion Ratio Lower Upper  
75 100  
77 31.2 24.7 37.1  
39 48.4 43.0 64.6





#55

1,1,2-Trichloroethane

Concen: 21.153 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Instrument :

MSVOA\_X

ClientSampleId :

Tot Ion: 97 Resp: 158501

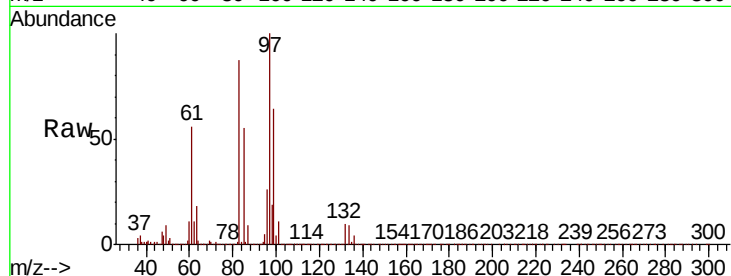
Ion Ratio Lower Upper

97 100

83 86.2 68.6 103.0

85 55.1 43.1 64.7

99 63.5 49.4 74.0

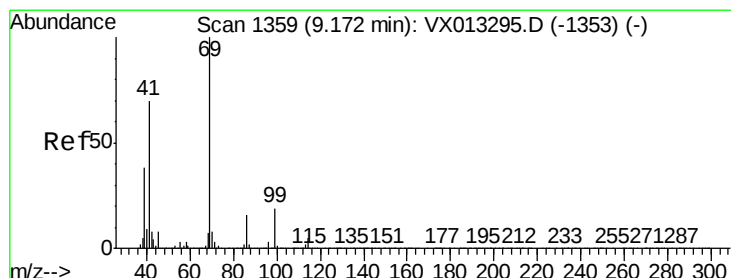
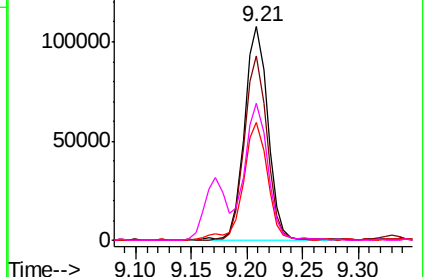
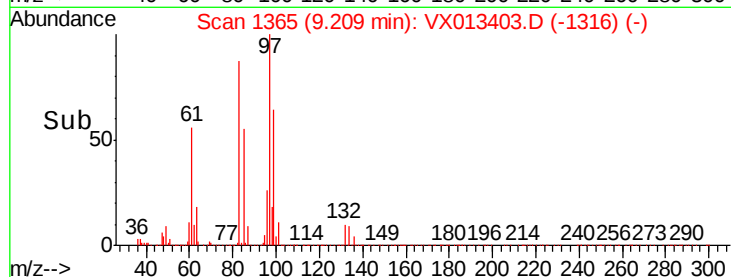


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 19.957 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

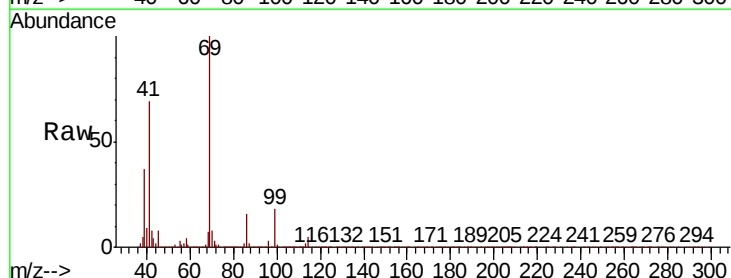
Tgt Ion: 69 Resp: 242888

Ion Ratio Lower Upper

69 100

41 68.2 56.2 84.2

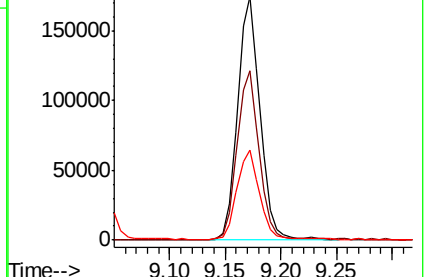
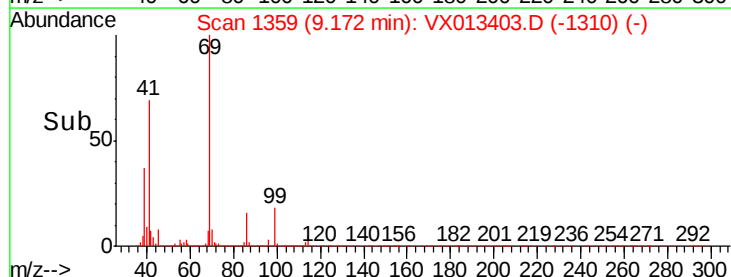
39 36.7 31.1 46.7

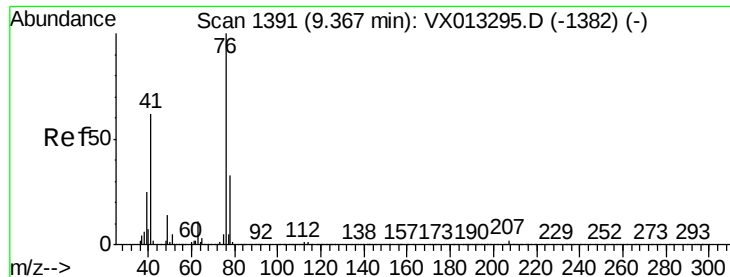


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 20.541 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Instrument :

MSVOA\_X

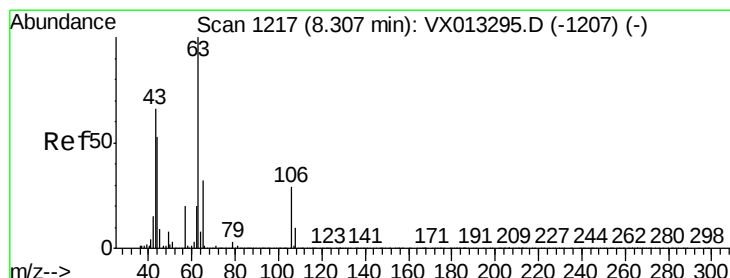
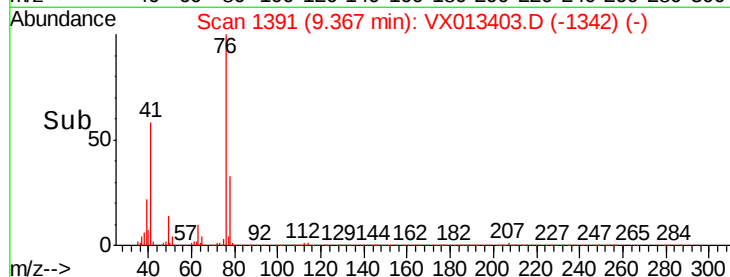
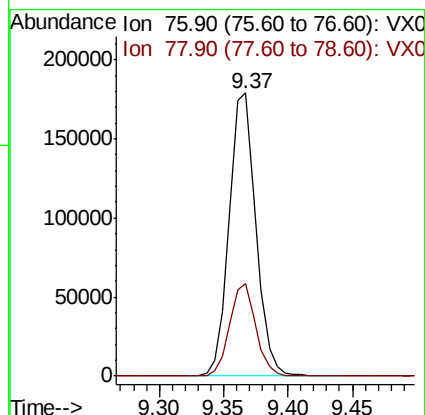
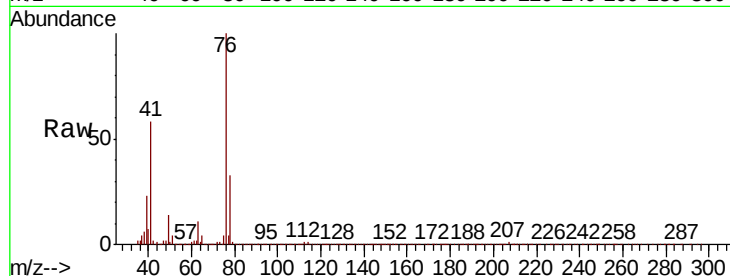
ClientSampleId :

Tot Ion: 76 Resp: 261279

Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 98.093 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX013403.D

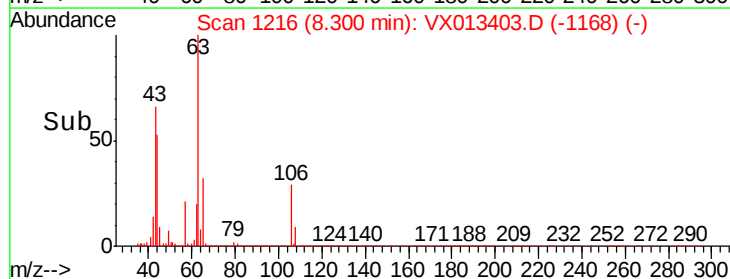
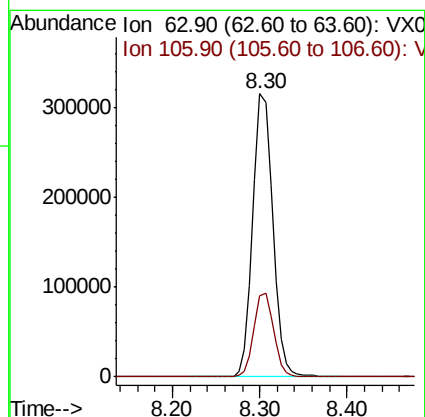
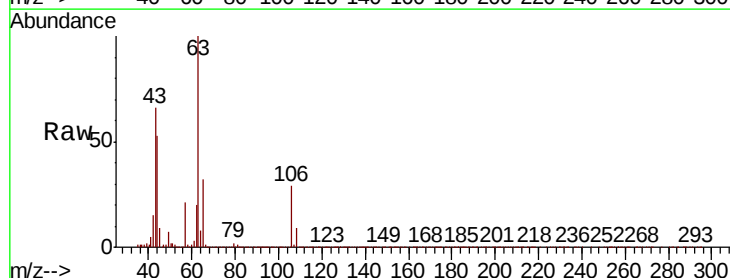
Acq: 13 Nov 2019 13:34

Tgt Ion: 63 Resp: 502564

Ion Ratio Lower Upper

63 100

106 29.5 23.4 35.2

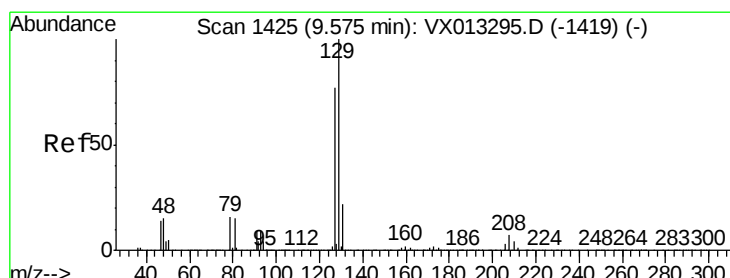
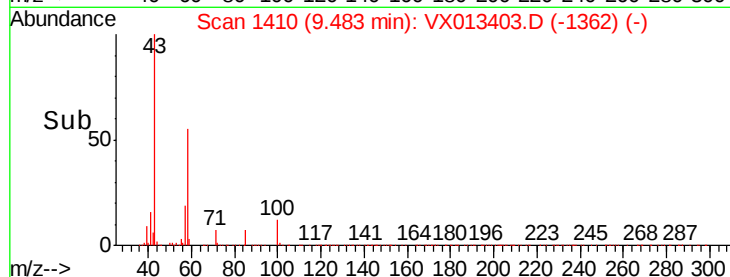
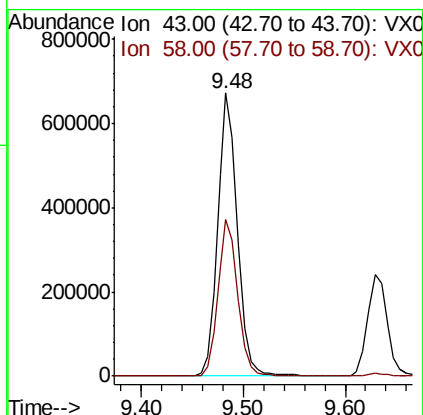
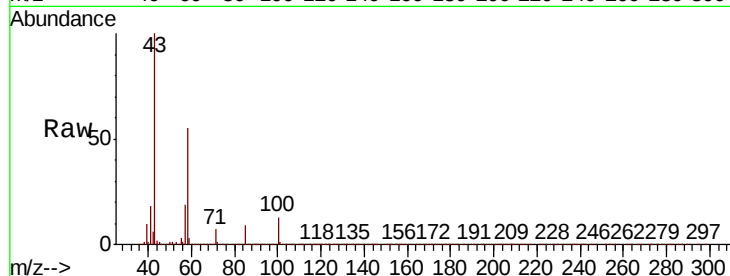




#59  
2-Hexanone  
Concen: 99.251 ug/l  
RT: 9.48 min Scan# 1410  
Delta R.T. -0.01 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

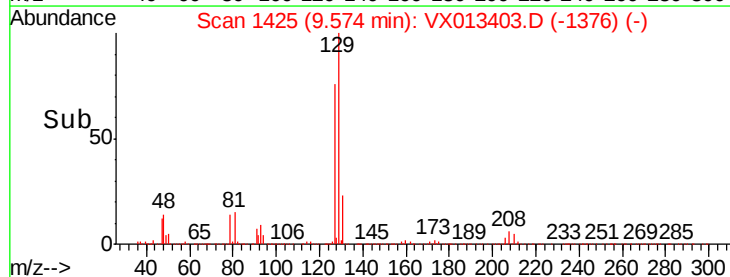
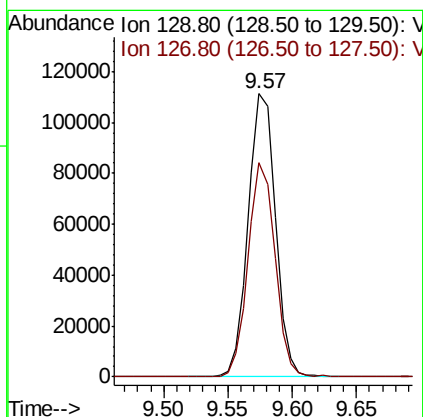
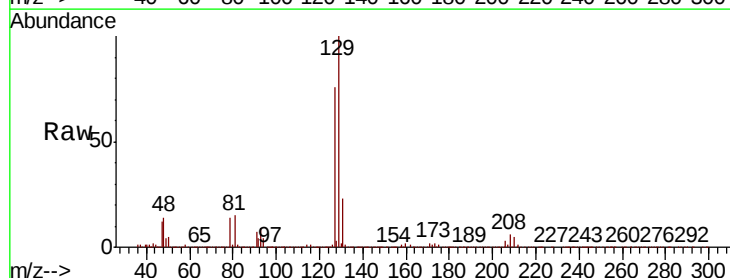
Instrument :  
MSVOA\_X  
ClientSampleId :

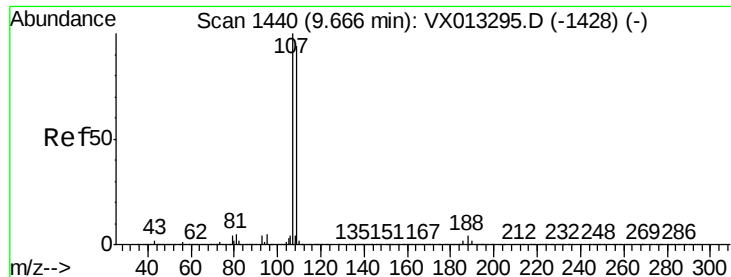
Tot Ion: 43 Resp: 906631  
Ion Ratio Lower Upper  
43 100  
58 55.6 27.3 81.8



#60  
Dibromochloromethane  
Concen: 21.133 ug/l  
RT: 9.57 min Scan# 1425  
Delta R.T. -0.00 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

Tgt Ion: 129 Resp: 161951  
Ion Ratio Lower Upper  
129 100  
127 74.5 39.1 117.2





#61

1,2-Dibromoethane

Concen: 20.443 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Instrument :

MSVOA\_X

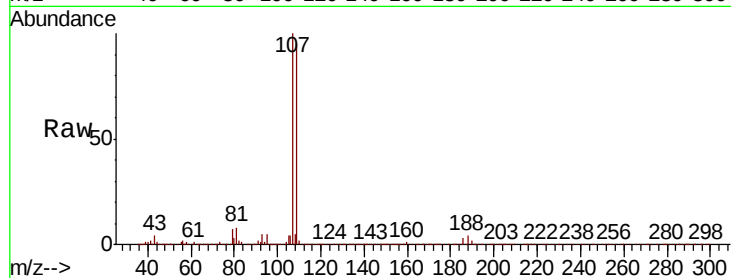
ClientSampleId :

Tot Ion: 107 Resp: 162655

Ion Ratio Lower Upper

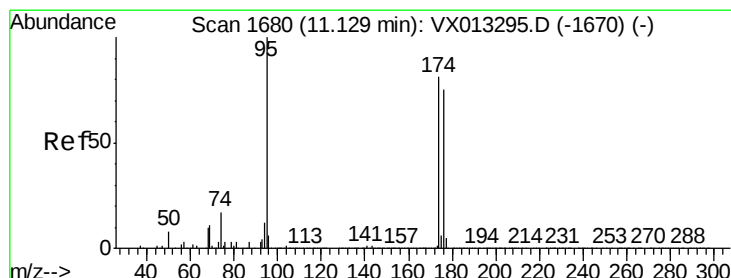
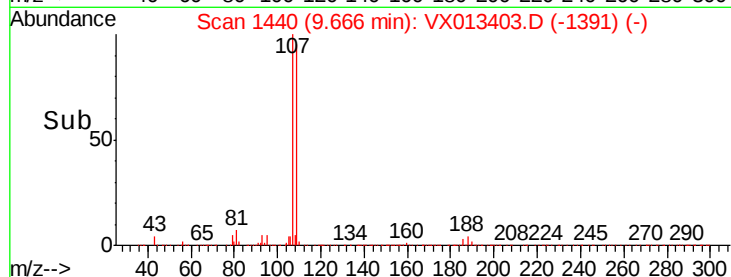
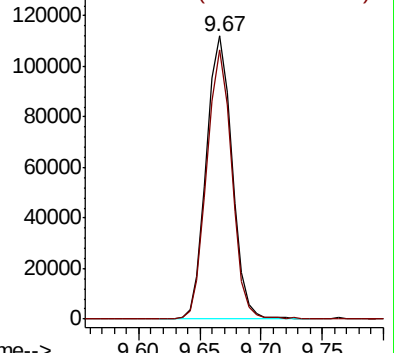
107 100

109 92.5 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.166 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

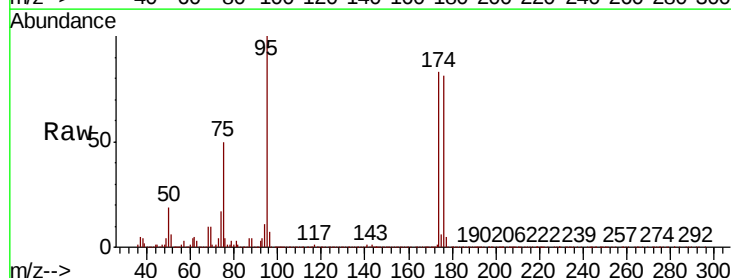
Tgt Ion: 95 Resp: 457955

Ion Ratio Lower Upper

95 100

174 89.0 0.0 179.8

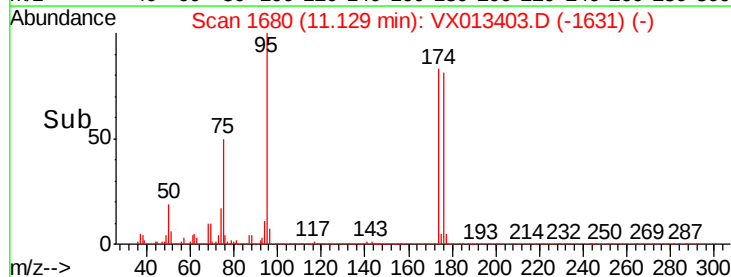
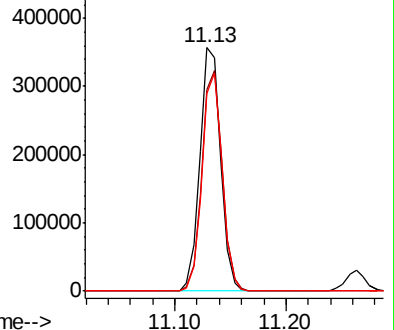
176 87.2 0.0 173.0

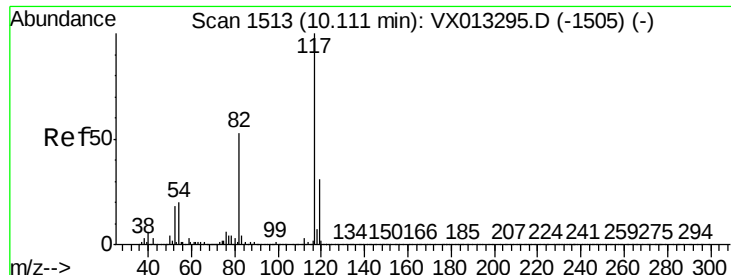


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

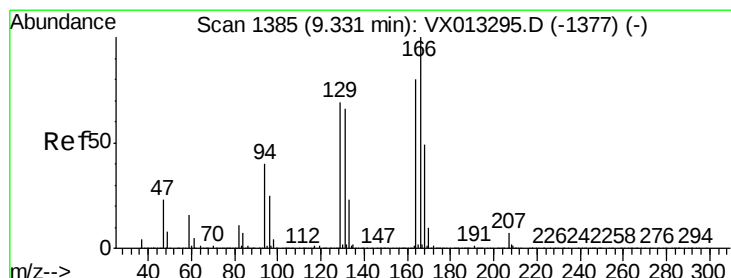
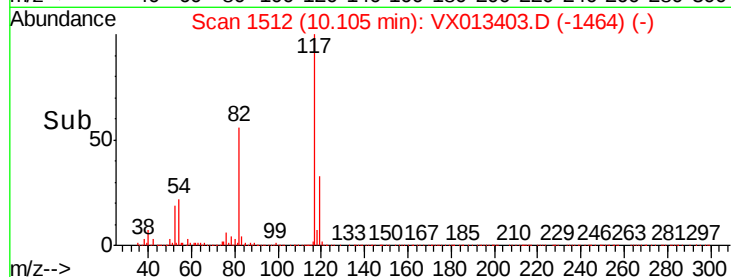
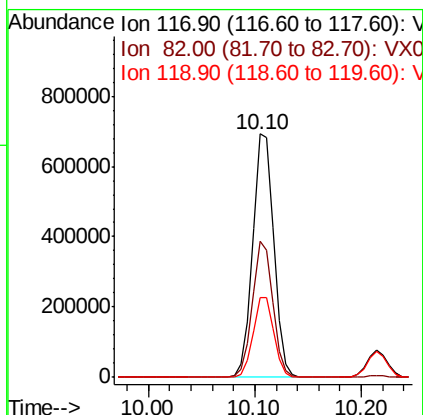
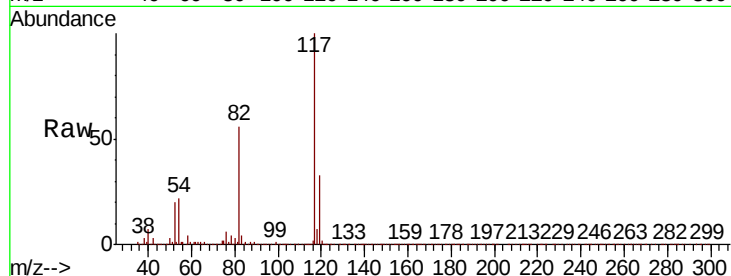




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1512  
Delta R.T. -0.01 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

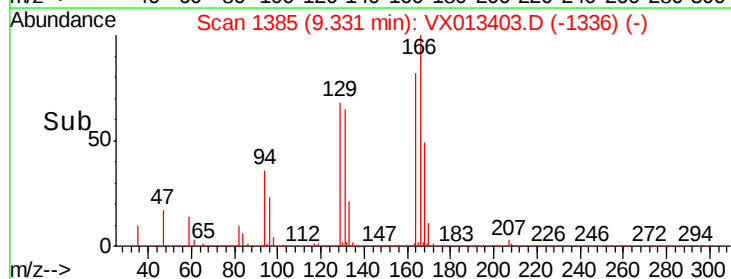
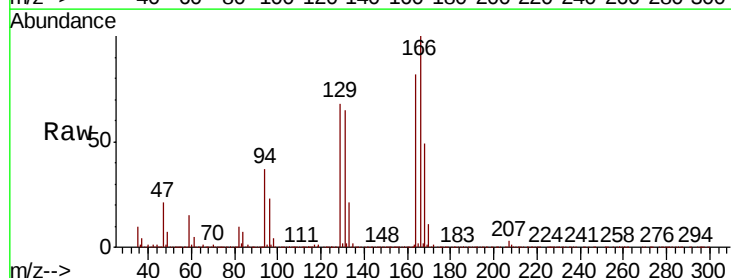
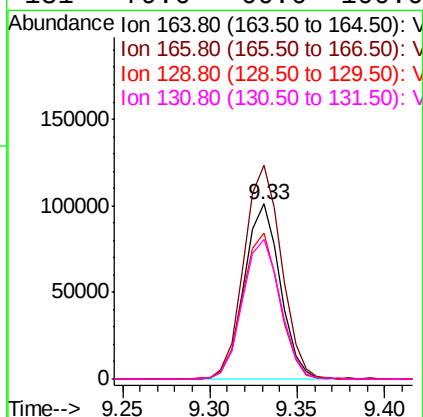
Instrument :  
MSVOA\_X  
ClientSampled :

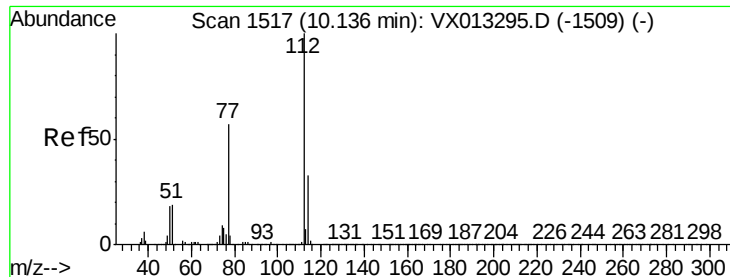
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.0  | 42.6  | 64.0  |
| 119     | 32.8  | 24.8  | 37.2  |



#64  
Tetrachloroethene  
Concen: 20.895 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. -0.00 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 122.2 | 100.4 | 150.6 |
| 129     | 83.6  | 69.4  | 104.2 |
| 131     | 79.6  | 66.6  | 100.0 |





#65

Chlorobenzene

Concen: 20.739 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Instrument :

MSVOA\_X

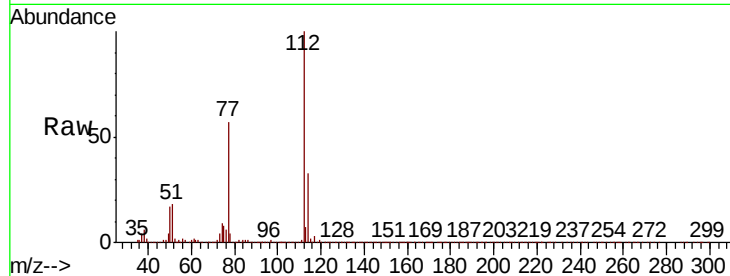
ClientSampleId :

Tot Ion:112 Resp: 405181

Ion Ratio Lower Upper

112 100

114 32.6 26.4 39.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

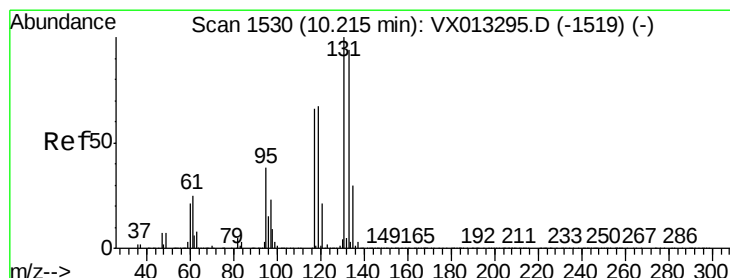
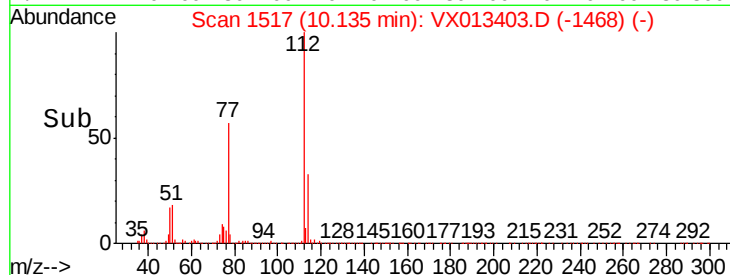
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.479 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

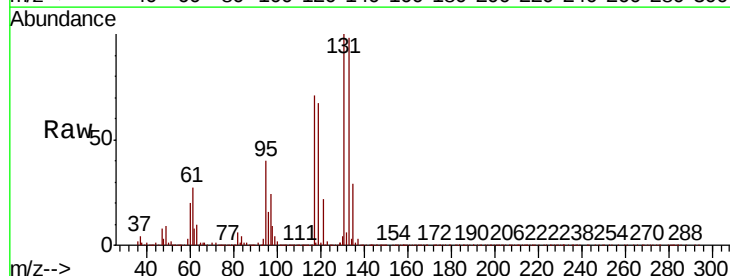
Tgt Ion:131 Resp: 146911

Ion Ratio Lower Upper

131 100

133 98.0 48.0 144.0

119 66.7 33.0 99.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

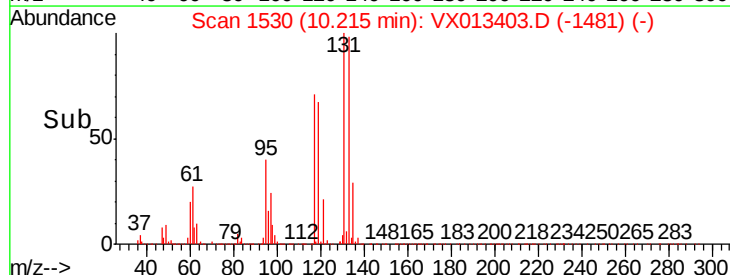
150000

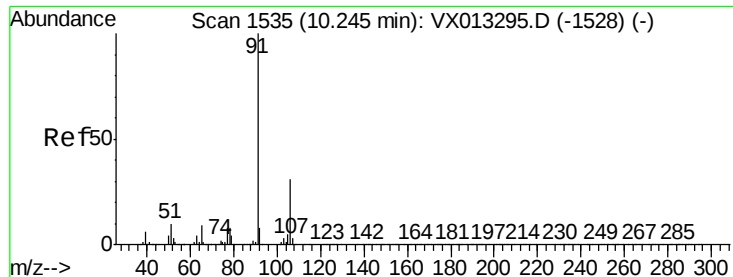
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 21.140 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Instrument :

MSVOA\_X

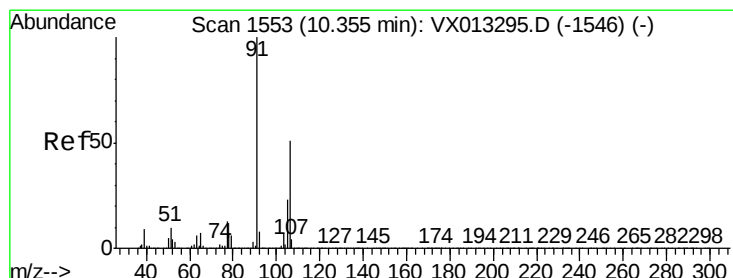
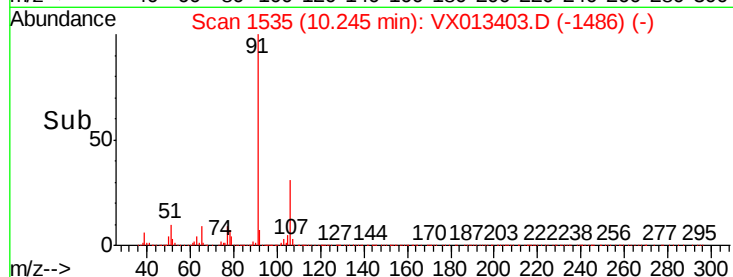
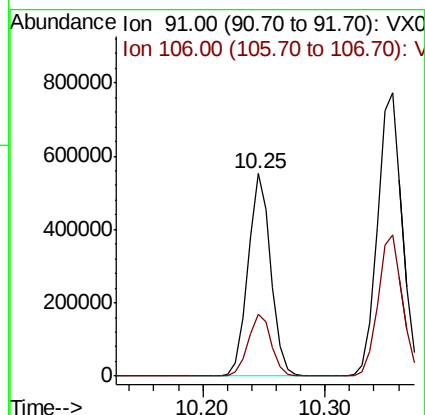
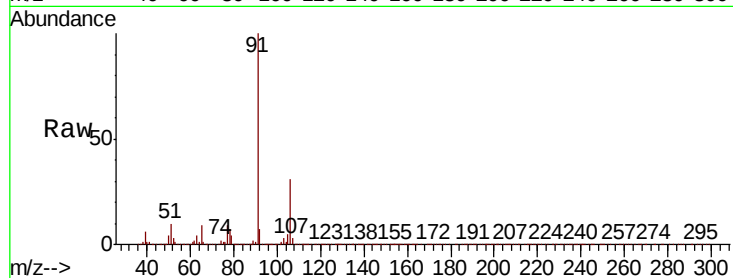
ClientSampled :

Tot Ion: 91 Resp: 712840

Ion Ratio Lower Upper

91 100

106 30.7 24.6 36.8



#68

m/p-Xylenes

Concen: 42.054 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013403.D

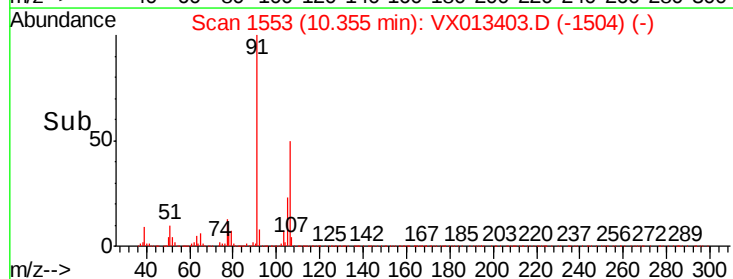
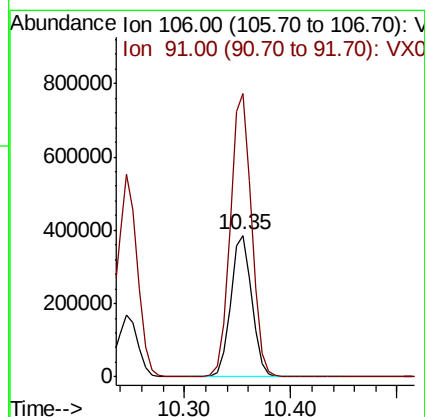
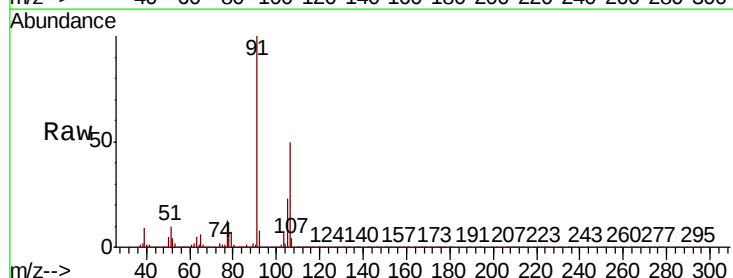
Acq: 13 Nov 2019 13:34

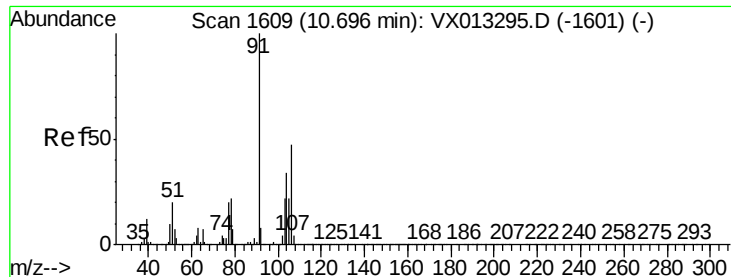
Tgt Ion: 106 Resp: 536286

Ion Ratio Lower Upper

106 100

91 200.9 159.3 238.9

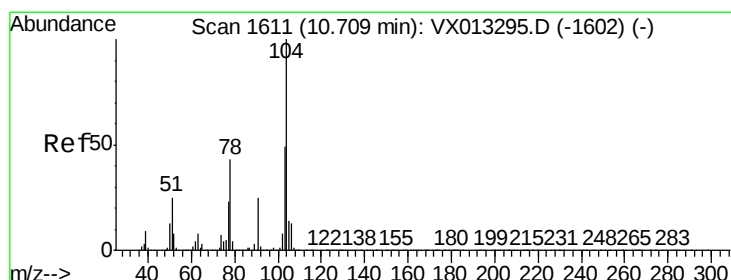
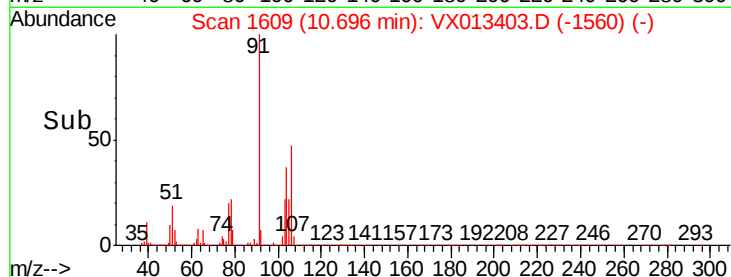
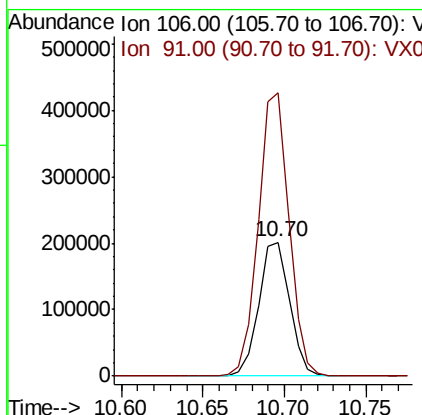
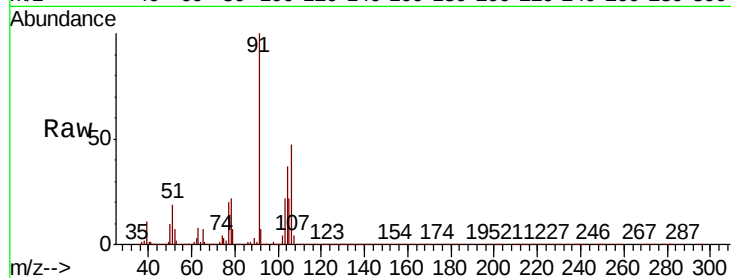




#69  
o-Xylene  
Concen: 21.227 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. -0.00 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

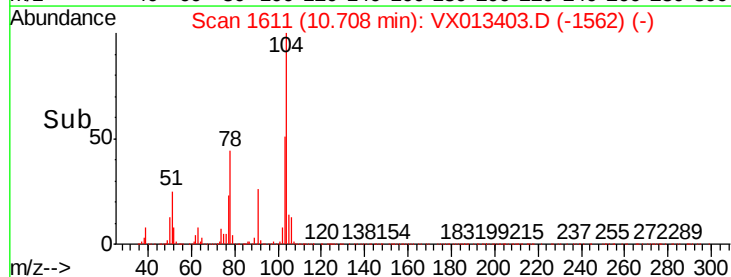
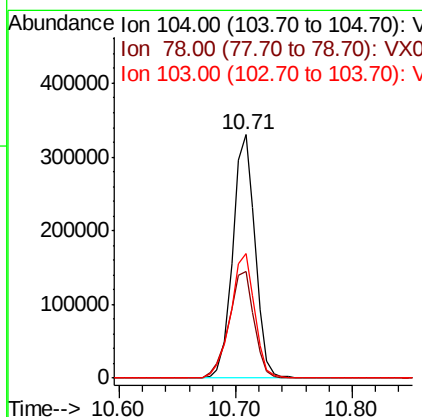
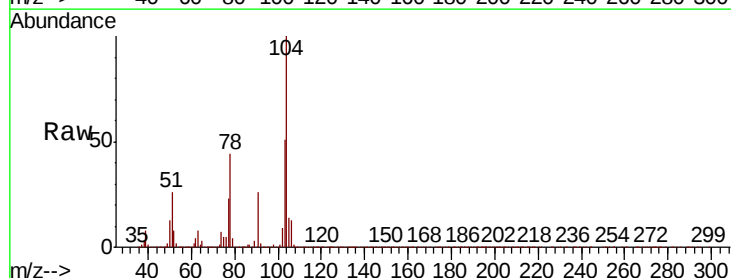
Instrument :  
MSVOA\_X  
ClientSampled :

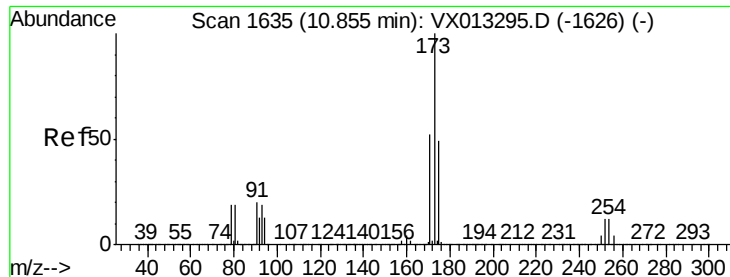
Tot Ion:106 Resp: 265025  
Ion Ratio Lower Upper  
106 100  
91 210.4 105.7 317.0



#70  
Styrene  
Concen: 21.156 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. -0.00 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

Tgt Ion:104 Resp: 441531  
Ion Ratio Lower Upper  
104 100  
78 49.3 40.0 60.0  
103 54.8 44.1 66.1





#71

Bromoform

Concen: 20.143 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Instrument :

MSVOA\_X

ClientSampled :

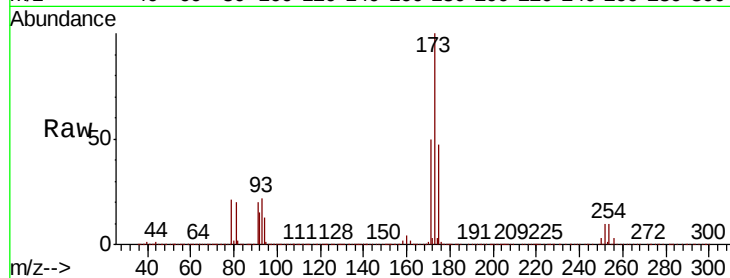
Tot Ion:173 Resp: 120388

Ion Ratio Lower Upper

173 100

175 47.8 24.8 74.4

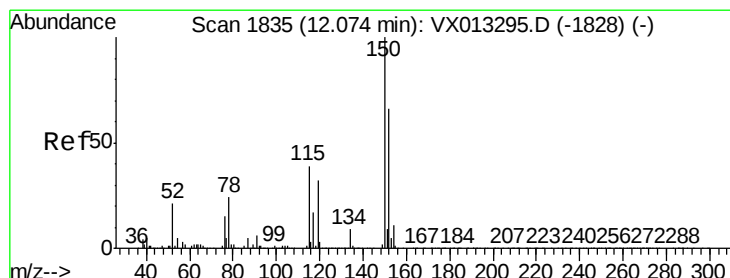
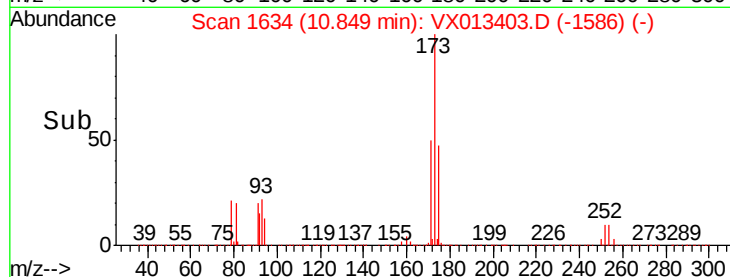
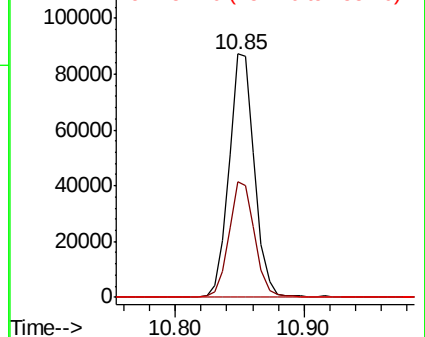
254 0.1 0.2 0.2#



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: VX013403.D

Acq: 13 Nov 2019 13:34

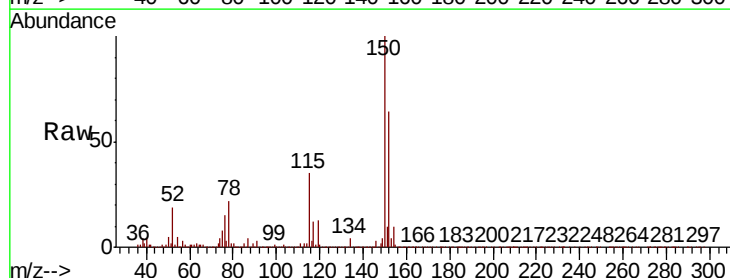
Tgt Ion:152 Resp: 479788

Ion Ratio Lower Upper

152 100

115 64.7 39.5 118.3

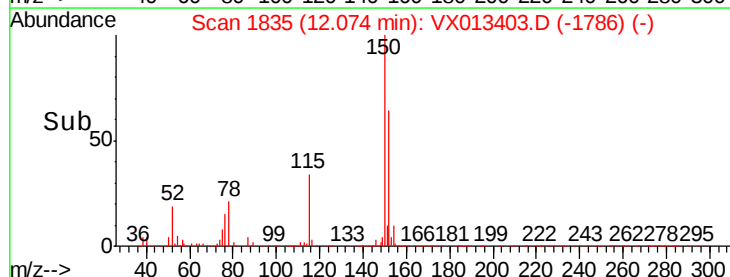
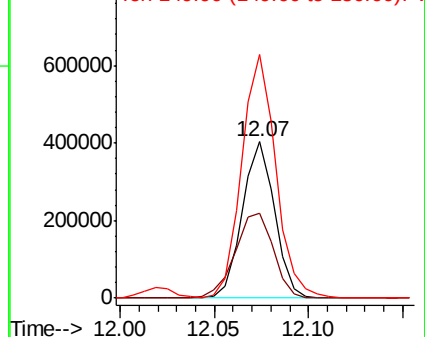
150 164.2 0.0 344.4

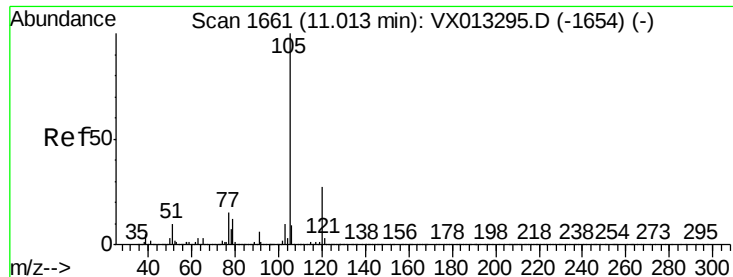


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.202 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Instrument :

MSVOA\_X

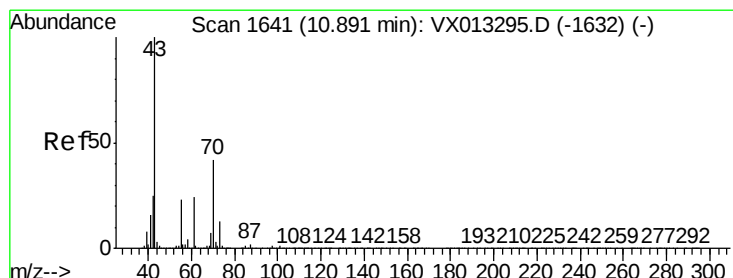
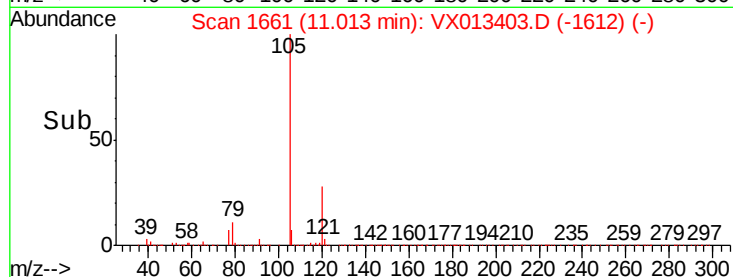
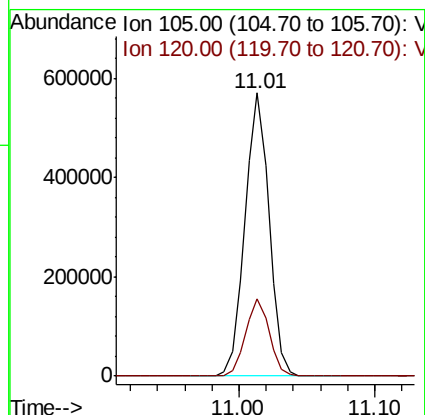
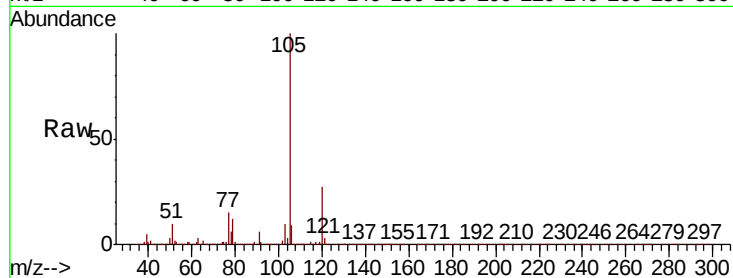
ClientSampleId :

Tot Ion:105 Resp: 706272

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.5



#74

N-ethyl acetate

Concen: 21.612 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Tgt Ion: 43 Resp: 318812

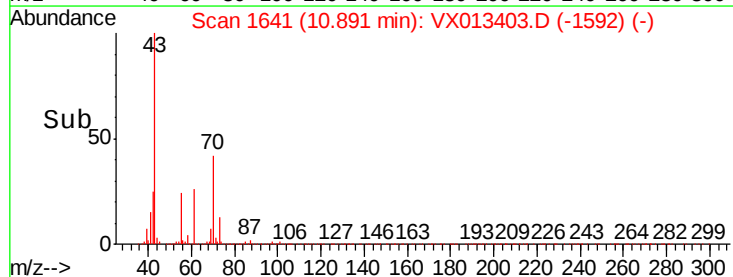
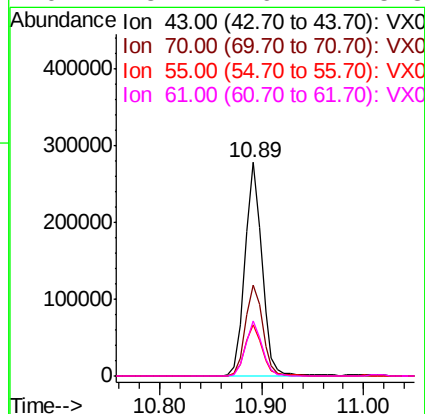
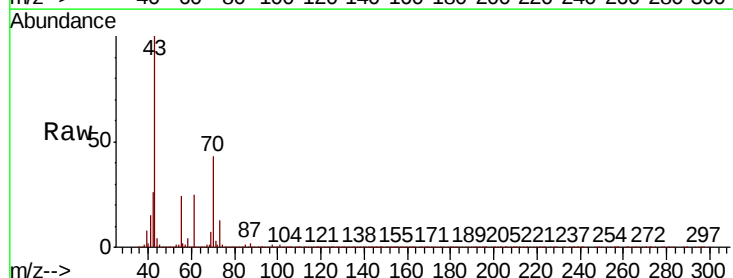
Ion Ratio Lower Upper

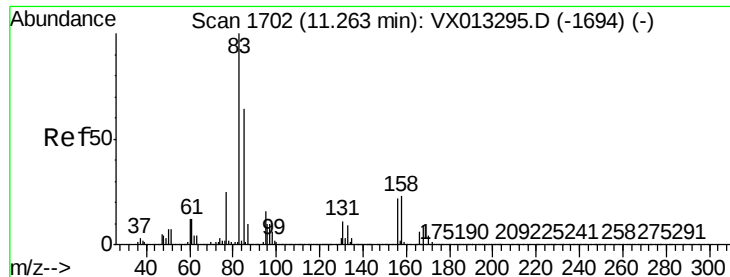
43 100

70 44.2 34.1 51.1

55 24.9 18.9 28.3

61 25.2 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.138 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Instrument :

MSVOA\_X

ClientSampled :

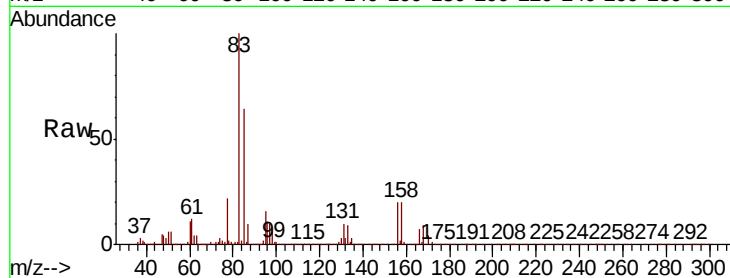
Tot Ion: 83 Resp: 245304

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.3

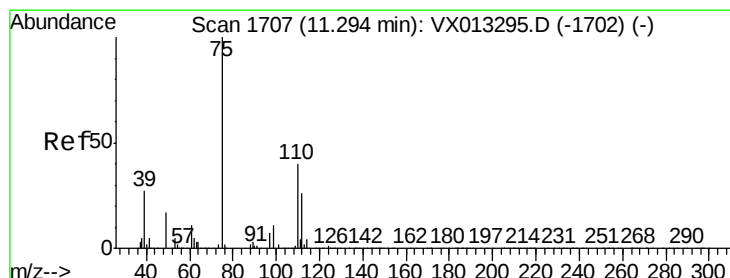
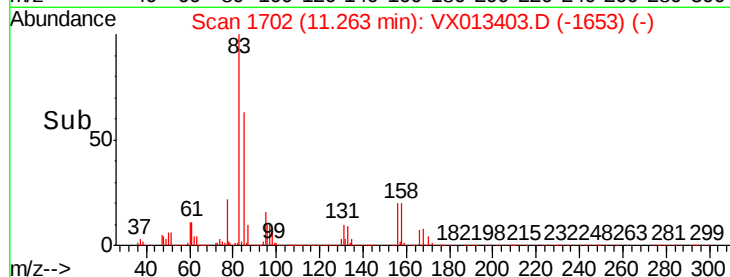
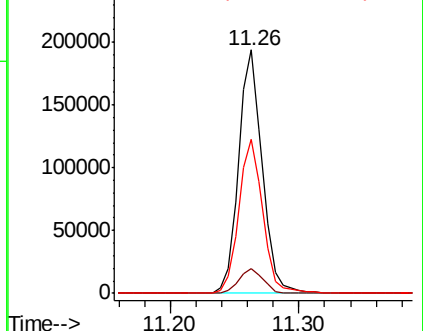
85 64.4 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 27.709 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX013403.D

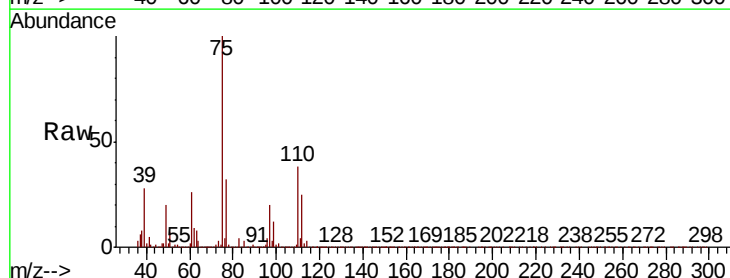
Acq: 13 Nov 2019 13:34

Tgt Ion: 75 Resp: 270024

Ion Ratio Lower Upper

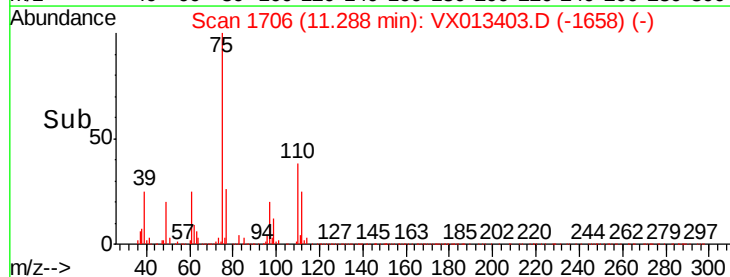
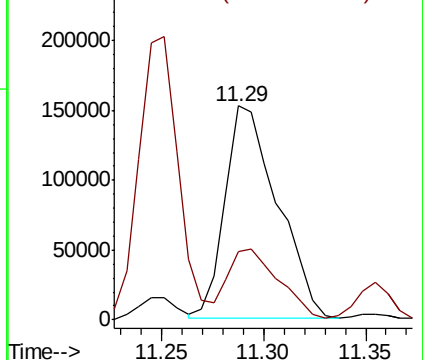
75 100

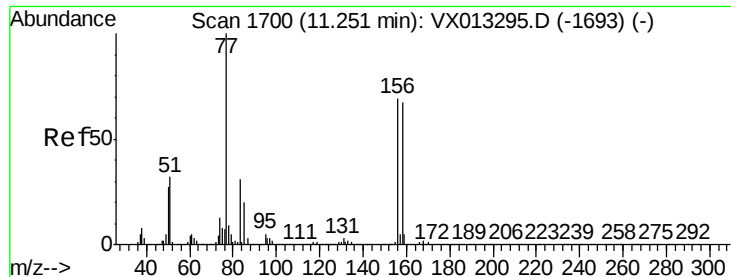
77 32.0 22.3 66.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.517 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Instrument :

MSVOA\_X

ClientSampled :

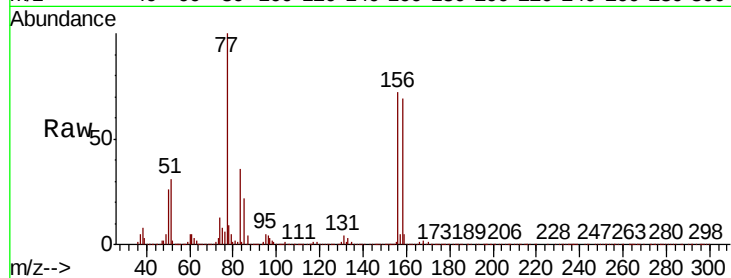
Tot Ion:156 Resp: 182469

Ion Ratio Lower Upper

156 100

77 150.0 75.8 227.4

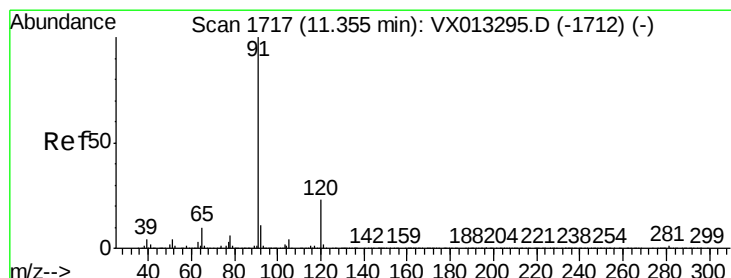
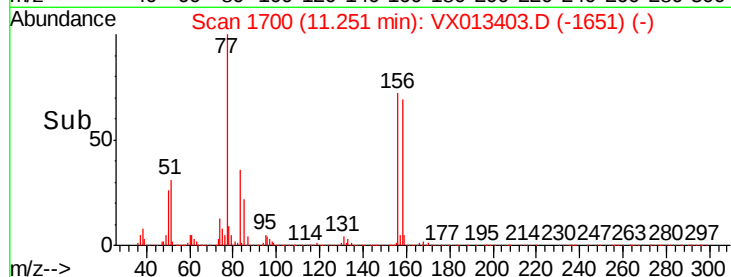
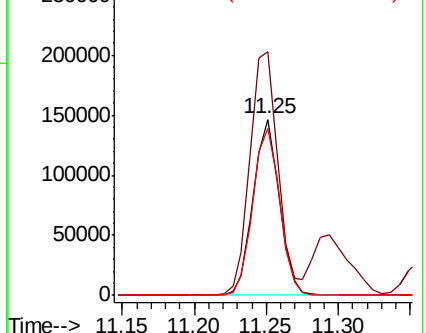
158 98.1 47.6 142.8



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: 22.133 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013403.D

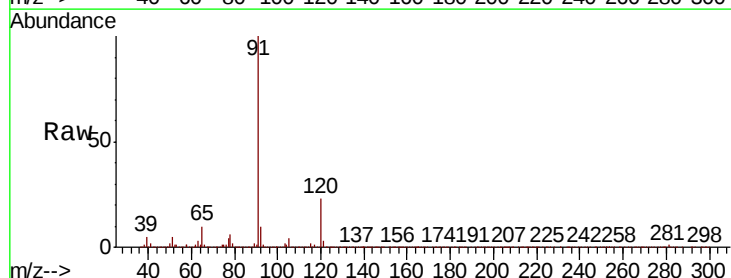
Acq: 13 Nov 2019 13:34

Tgt Ion: 91 Resp: 784276

Ion Ratio Lower Upper

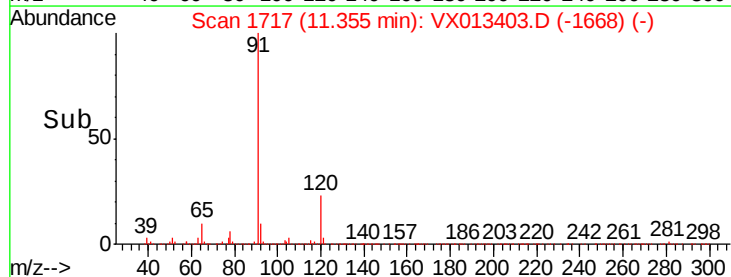
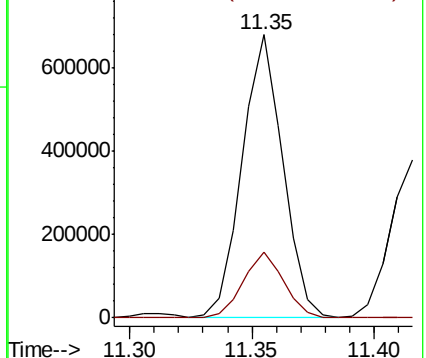
91 100

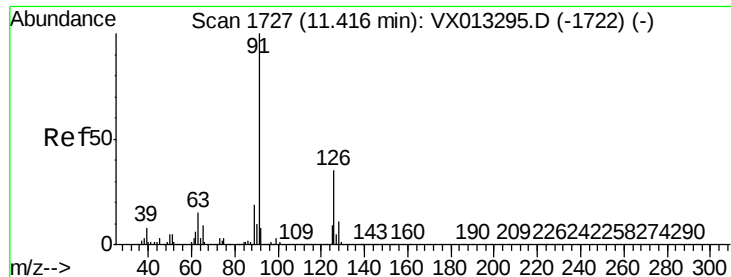
120 23.3 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.814 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Instrument :

MSVOA\_X

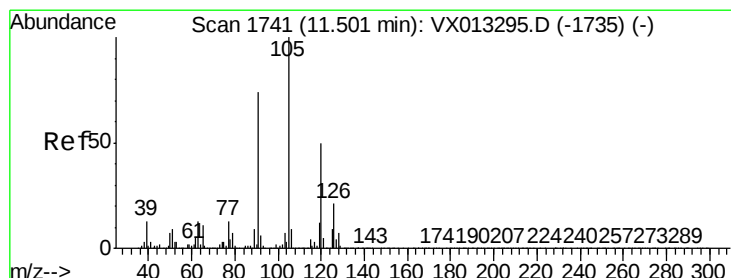
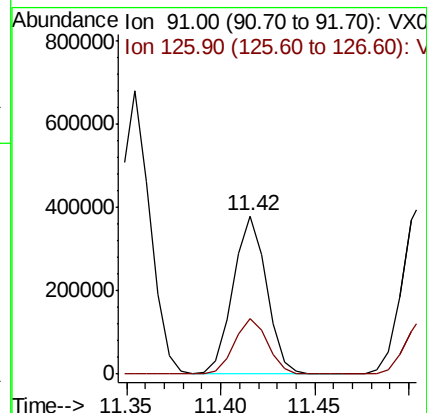
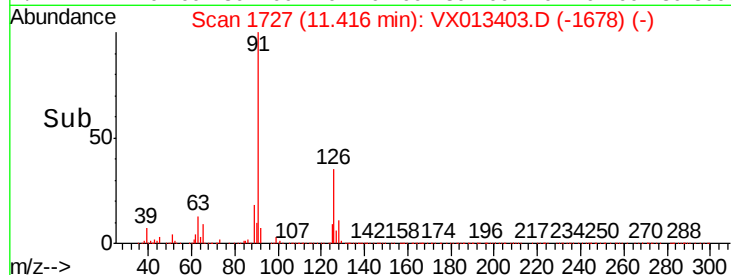
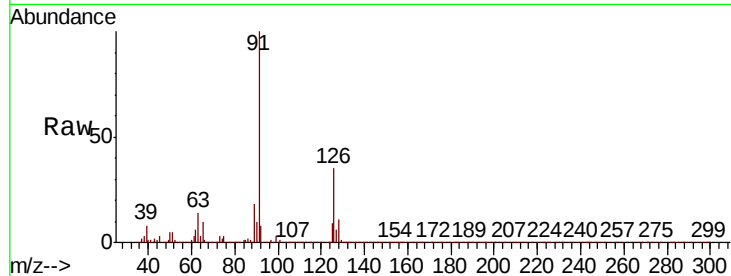
ClientSampleId :

Tot Ion: 91 Resp: 465727

Ion Ratio Lower Upper

91 100

126 35.0 17.3 52.0



#80

1,3,5-Trimethylbenzene

Concen: 22.181 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013403.D

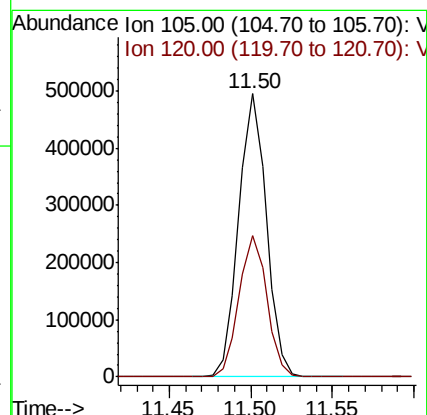
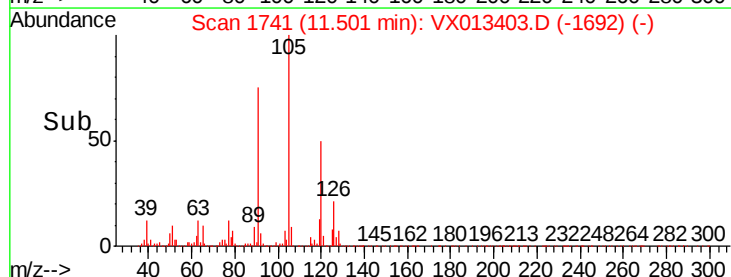
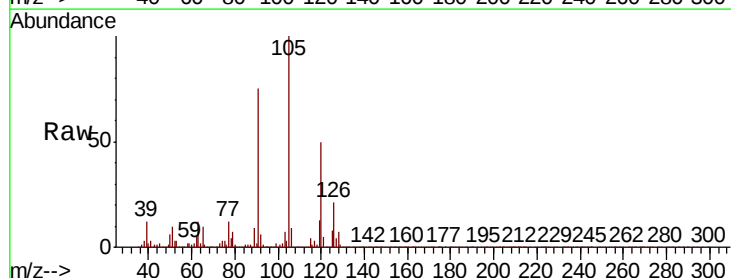
Acq: 13 Nov 2019 13:34

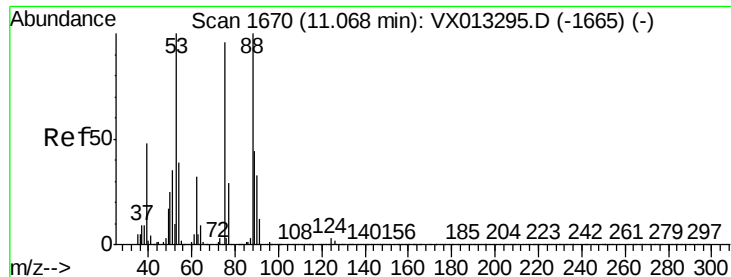
Tgt Ion: 105 Resp: 587711

Ion Ratio Lower Upper

105 100

120 50.2 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.363 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Instrument :

MSVOA\_X

ClientSampleId :

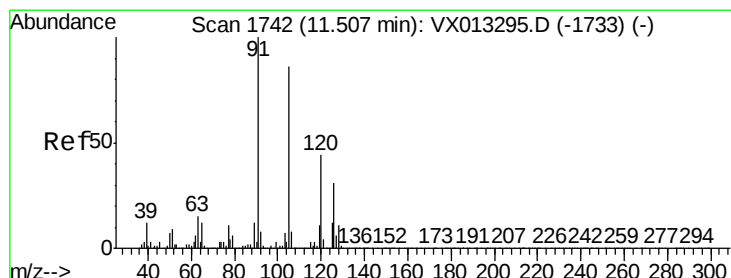
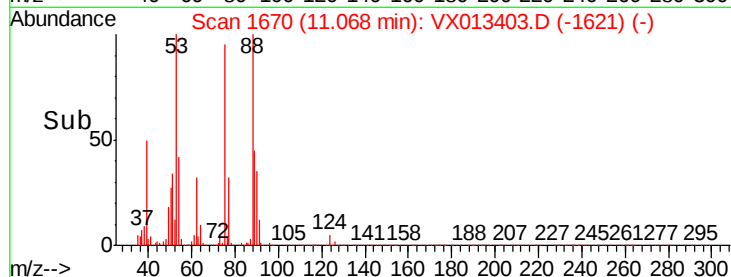
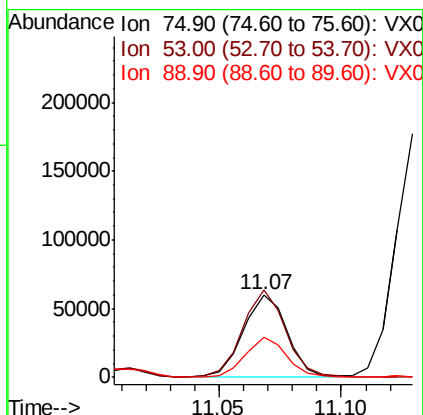
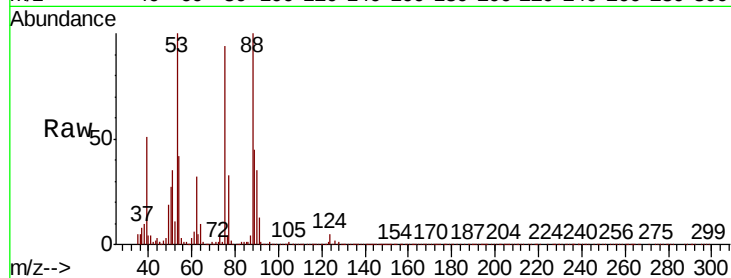
Tot Ion: 75 Resp: 73307

Ion Ratio Lower Upper

75 100

53 105.3 81.0 121.6

89 46.3 36.0 54.0



#82

4-Chlorotoluene

Concen: 21.364 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013403.D

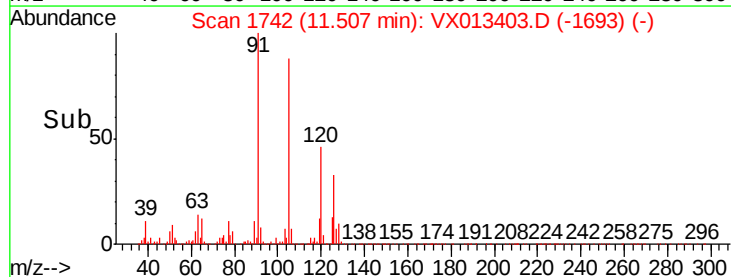
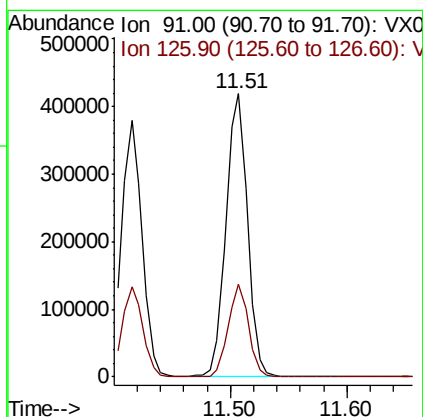
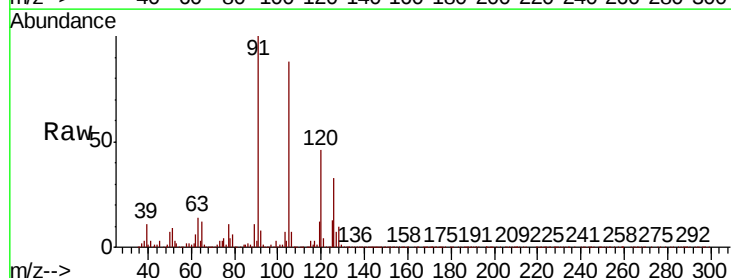
Acq: 13 Nov 2019 13:34

Tgt Ion: 91 Resp: 533929

Ion Ratio Lower Upper

91 100

126 31.0 15.3 45.8





#83

tert-Butylbenzene

Concen: 22.375 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Instrument :

MSVOA\_X

ClientSampleId :

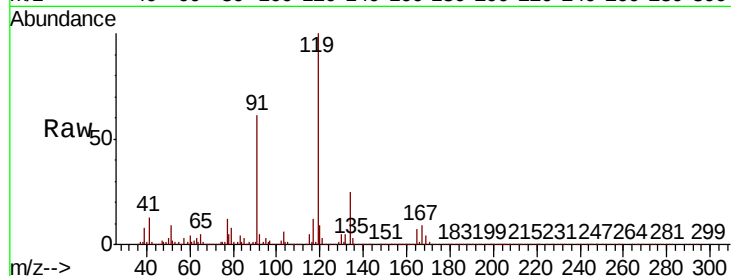
Tot Ion:119 Resp: 596794

Ion Ratio Lower Upper

119 100

91 54.4 26.9 80.7

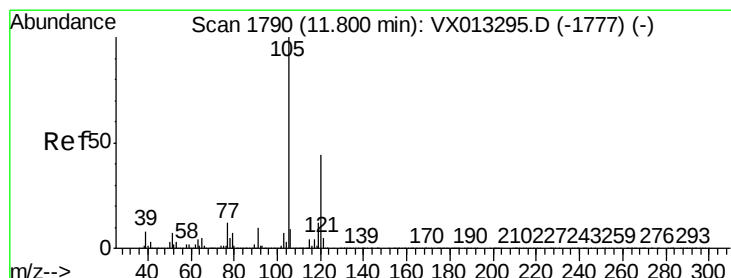
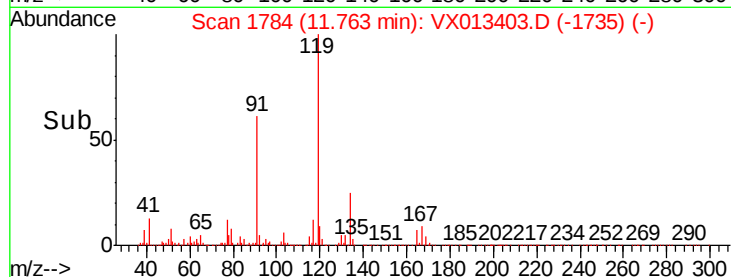
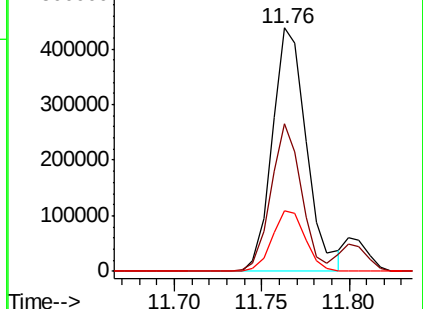
134 24.1 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.047 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX013403.D

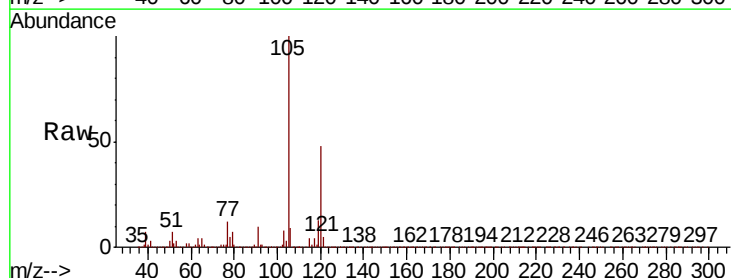
Acq: 13 Nov 2019 13:34

Tgt Ion:105 Resp: 586014

Ion Ratio Lower Upper

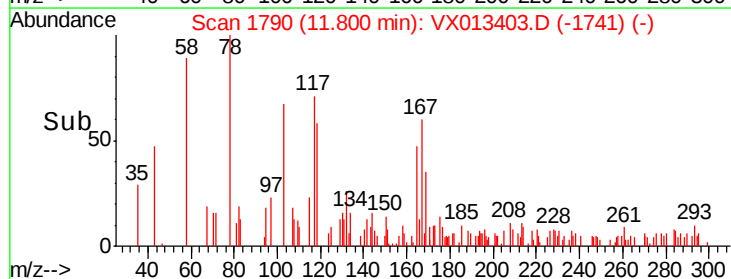
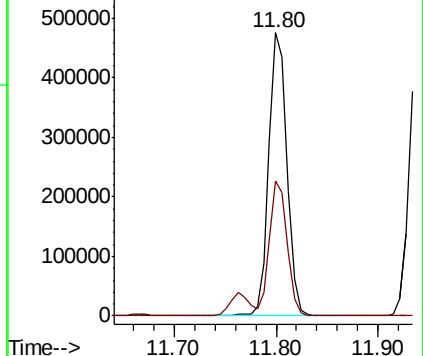
105 100

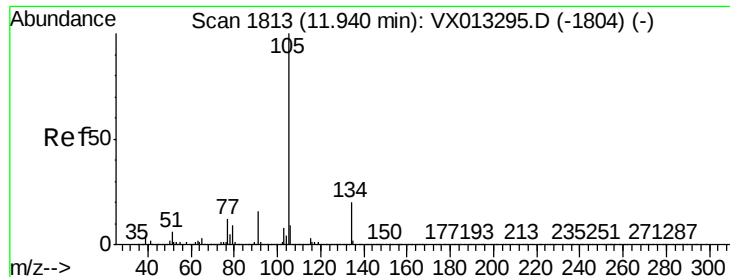
120 46.3 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

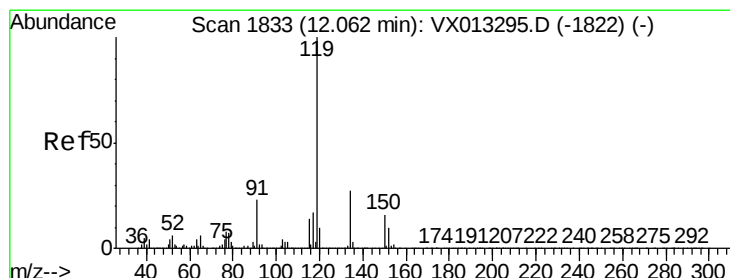
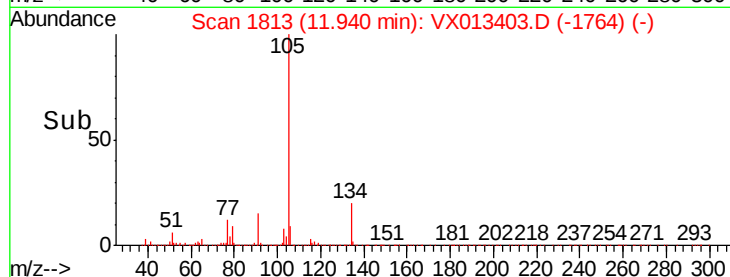
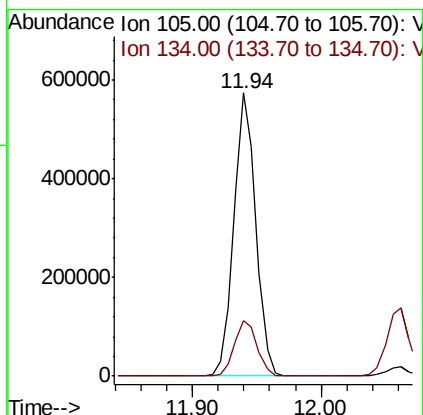
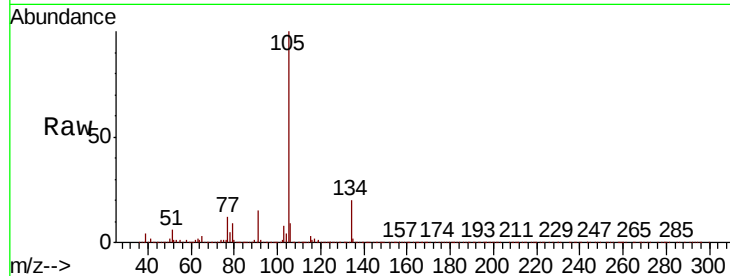




#85  
 sec-Butylbenzene  
 Concen: 22.166 ug/l  
 RT: 11.94 min Scan# 1813  
 Delta R.T. -0.00 min  
 Lab File: VX013403.D  
 Acq: 13 Nov 2019 13:34

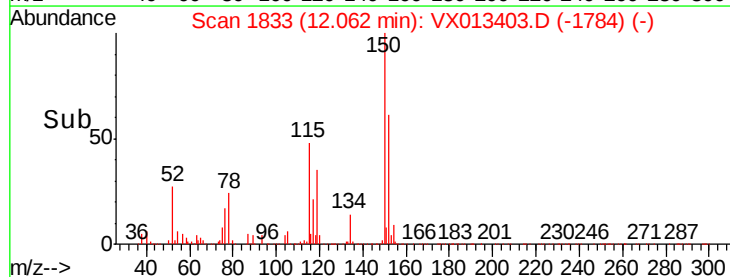
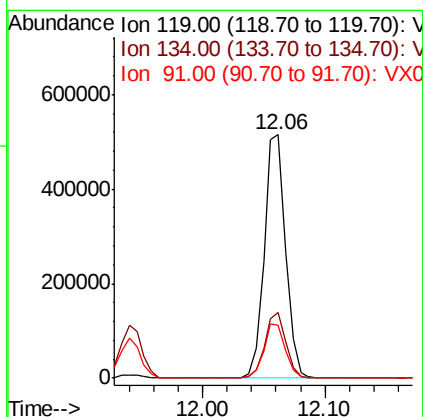
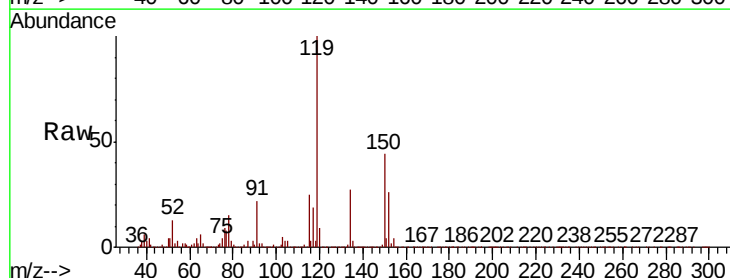
Instrument :  
 MSVOA\_X  
 ClientSampleId :

Tot Ion:105 Resp: 679480  
 Ion Ratio Lower Upper  
 105 100  
 134 20.4 10.3 30.9



#86  
 p-Isopropyltoluene  
 Concen: 22.128 ug/l  
 RT: 12.06 min Scan# 1833  
 Delta R.T. -0.00 min  
 Lab File: VX013403.D  
 Acq: 13 Nov 2019 13:34

Tgt Ion:119 Resp: 624632  
 Ion Ratio Lower Upper  
 119 100  
 134 26.7 13.3 39.8  
 91 22.4 11.5 34.4

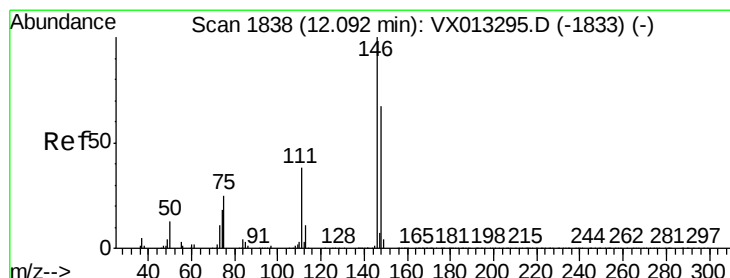
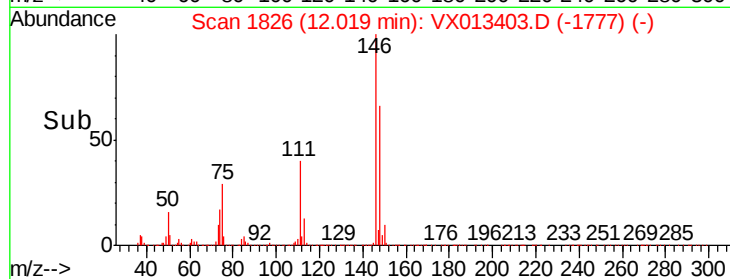
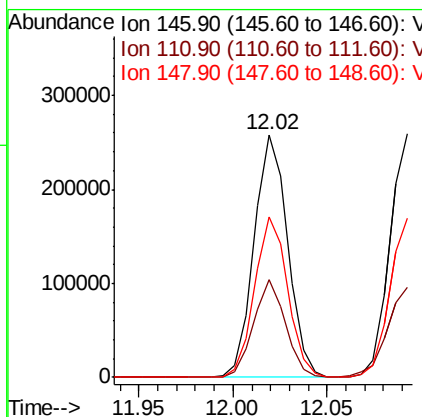
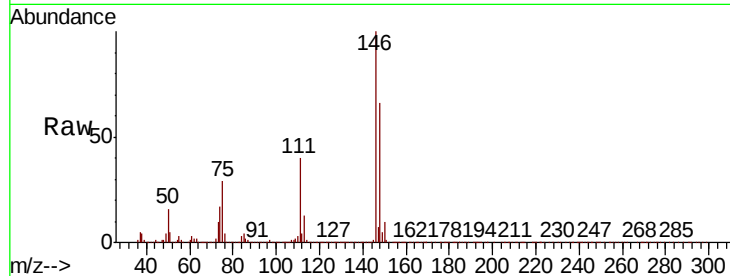




#87  
 1,3-Dichlorobenzene  
 Concen: 21.122 ug/l  
 RT: 12.02 min Scan# 1826  
 Delta R.T. -0.00 min  
 Lab File: VX013403.D  
 Acq: 13 Nov 2019 13:34

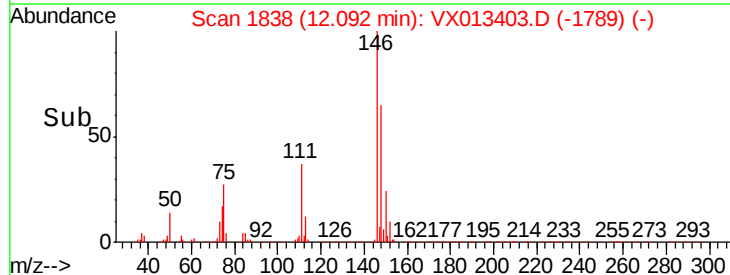
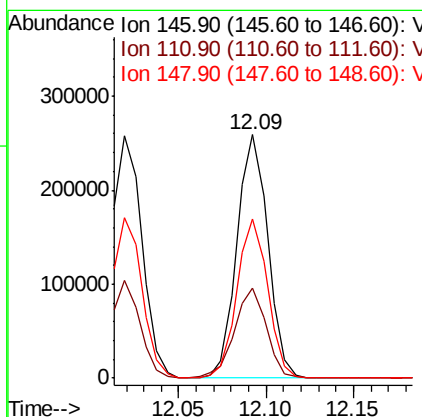
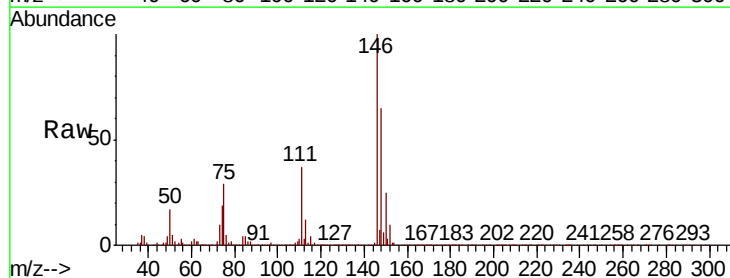
Instrument :  
 MSVOA\_X  
 ClientSampleId :

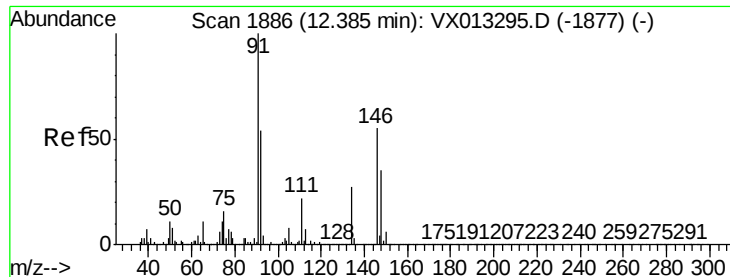
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.6  | 18.9  | 56.5  |
| 148     | 65.2  | 31.9  | 95.7  |



#88  
 1,4-Dichlorobenzene  
 Concen: 20.643 ug/l  
 RT: 12.09 min Scan# 1838  
 Delta R.T. -0.00 min  
 Lab File: VX013403.D  
 Acq: 13 Nov 2019 13:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.3  | 18.8  | 56.4  |
| 148     | 65.2  | 32.4  | 97.0  |

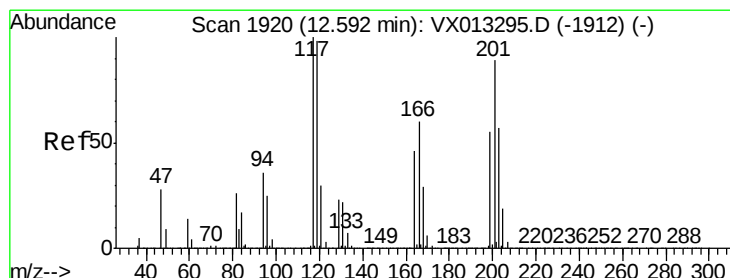
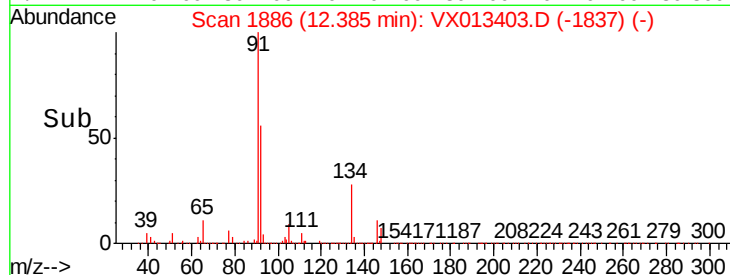
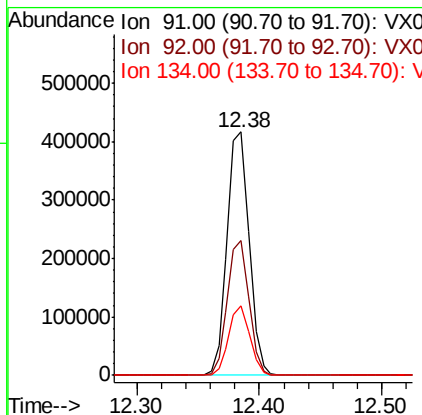
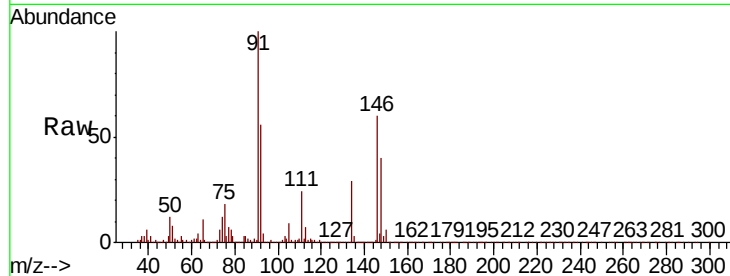




#89  
n-Butylbenzene  
Concen: 21.079 ug/l  
RT: 12.38 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

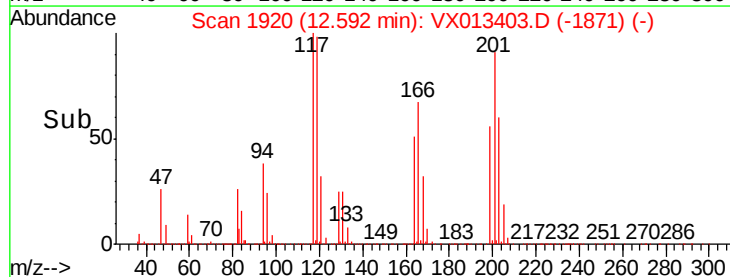
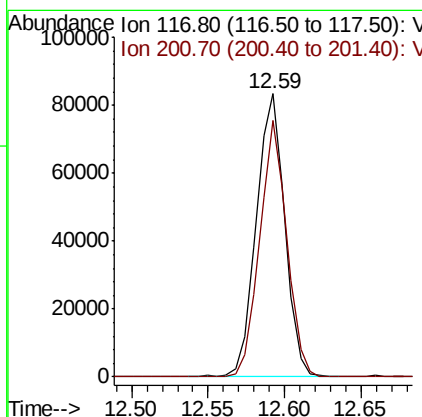
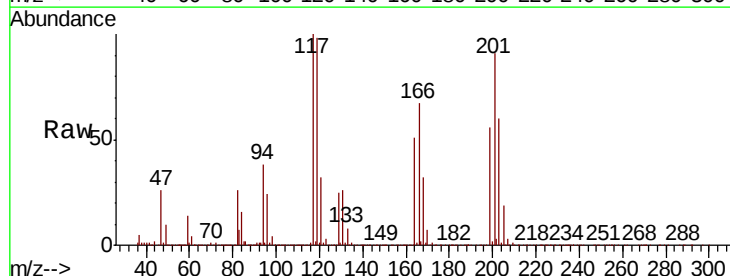
Instrument :  
MSVOA\_X  
ClientSampleId :

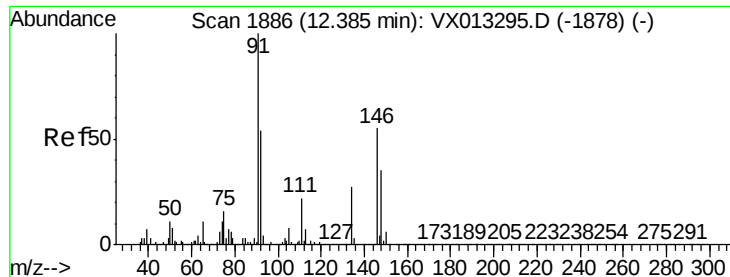
Tot Ion: 91 Resp: 519179  
Ion Ratio Lower Upper  
91 100  
92 54.5 27.3 81.8  
134 27.4 13.5 40.5



#90  
Hexachloroethane  
Concen: 21.504 ug/l  
RT: 12.59 min Scan# 1920  
Delta R.T. -0.00 min  
Lab File: VX013403.D  
Acq: 13 Nov 2019 13:34

Tgt Ion: 117 Resp: 108153  
Ion Ratio Lower Upper  
117 100  
201 86.7 43.9 131.7





#91

1,2-Dichlorobenzene

Concen: 21.314 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013403.D

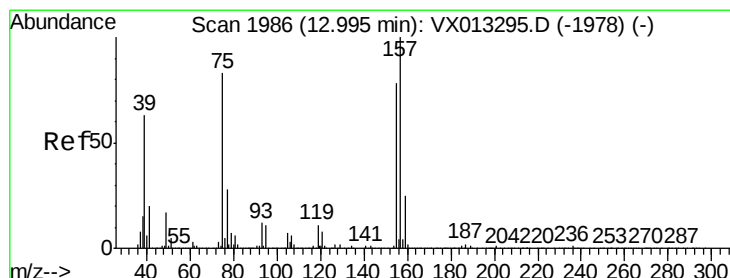
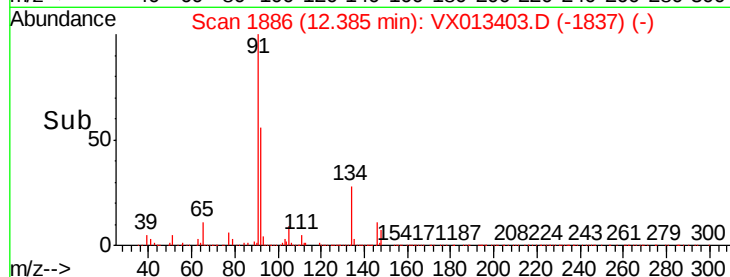
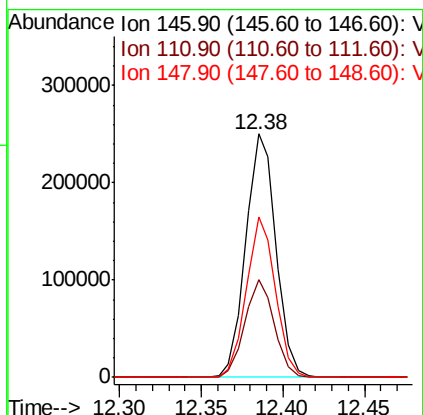
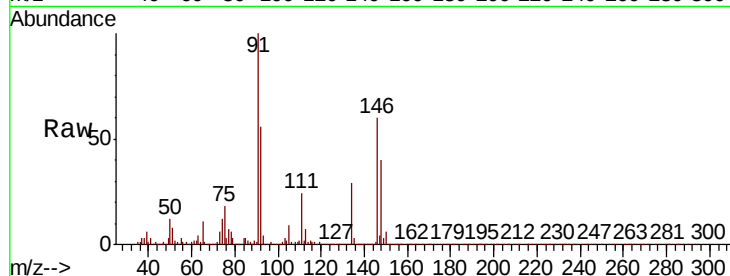
Acq: 13 Nov 2019 13:34

Instrument :

MSVOA\_X

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 146   | Resp: | 322052 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 111      | 39.6  | 20.1  | 60.2   |
| 148      | 63.7  | 32.0  | 96.0   |



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.408 ug/l

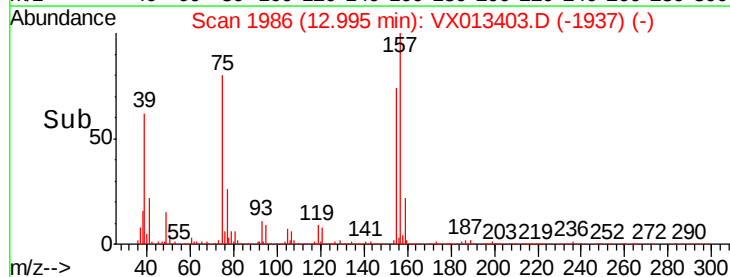
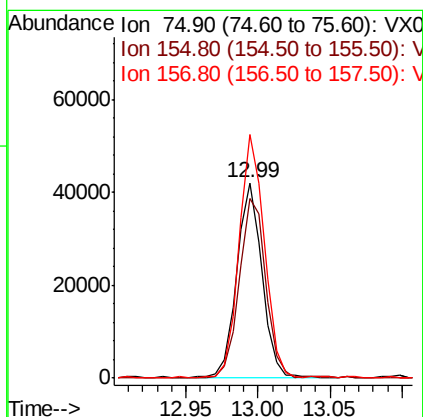
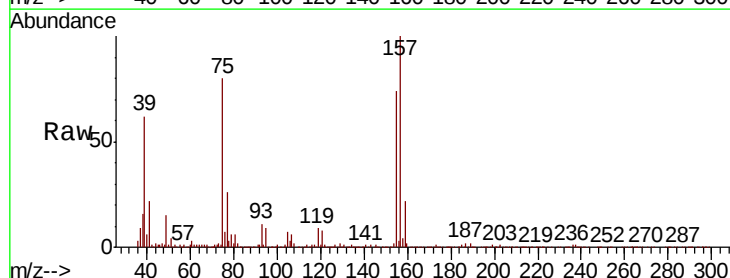
RT: 12.99 min Scan# 1986

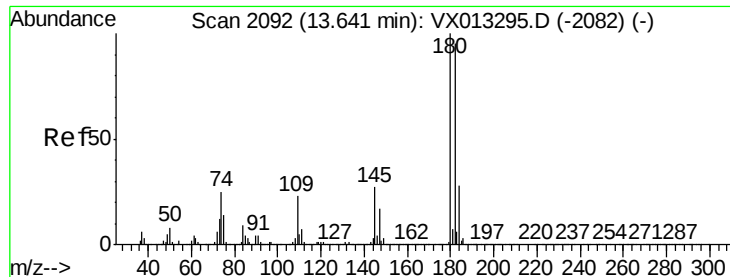
Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 52045 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 95.3  | 47.1  | 141.4 |
| 157      | 122.6 | 61.3  | 183.8 |

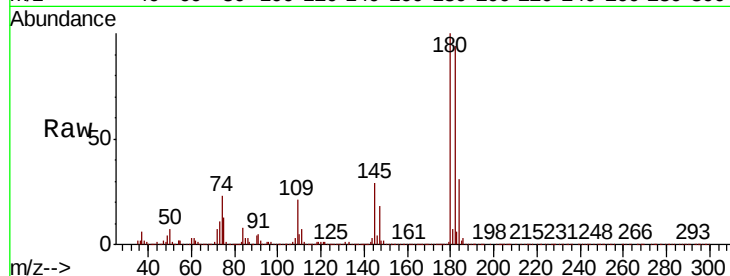




#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.411 ug/l  
 RT: 13.64 min Scan# 2092  
 Delta R.T. -0.00 min  
 Lab File: VX013403.D  
 Acq: 13 Nov 2019 13:34

Instrument :  
 MSVOA\_X  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.8  | 48.4  | 145.0 |
| 145     | 28.5  | 14.1  | 42.4  |

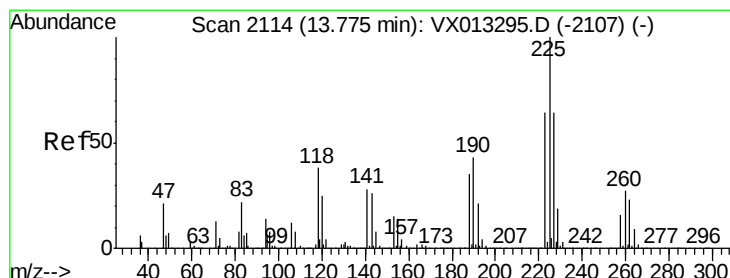
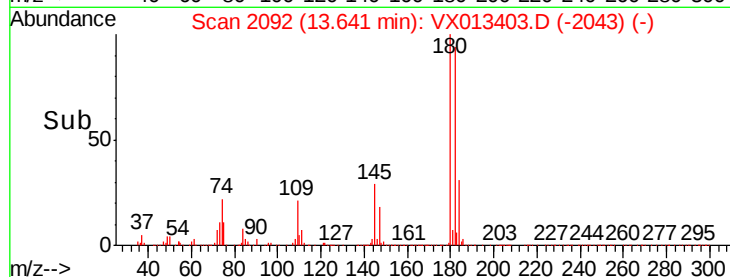
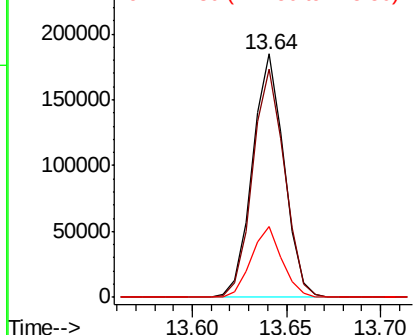


Abundance

Ion 179.80 (179.50 to 180.50): V

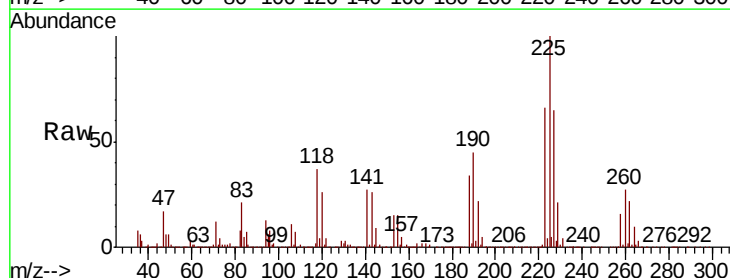
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94  
 Hexachlorobutadiene  
 Concen: 20.723 ug/l  
 RT: 13.77 min Scan# 2114  
 Delta R.T. -0.00 min  
 Lab File: VX013403.D  
 Acq: 13 Nov 2019 13:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.5  | 31.9  | 95.7  |
| 227     | 63.0  | 31.9  | 95.9  |

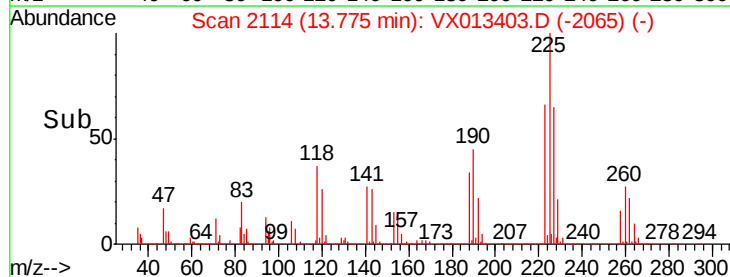
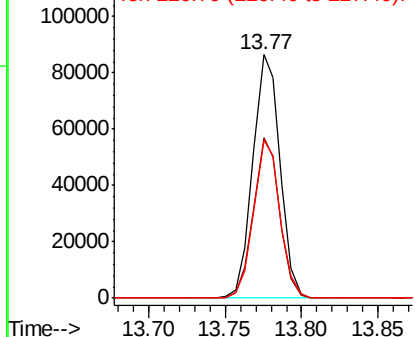


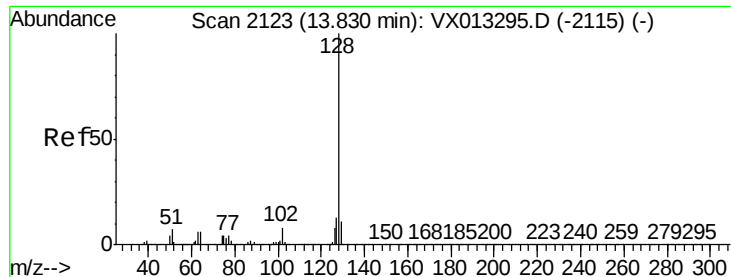
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.029 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

Instrument :

MSVOA\_X

ClientSampleId :

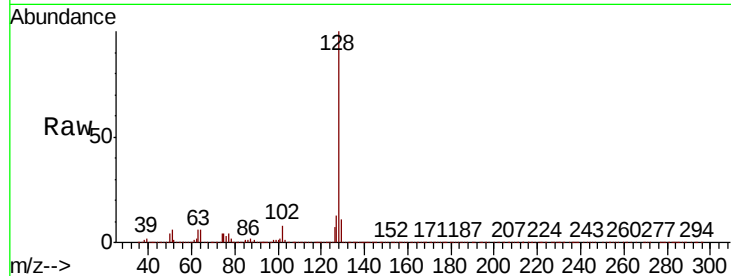
Tot Ion:128 Resp: 662350

Ion Ratio Lower Upper

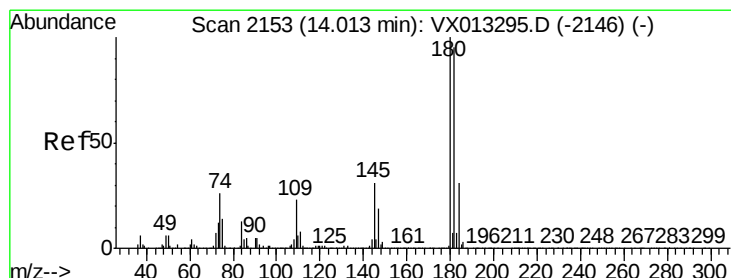
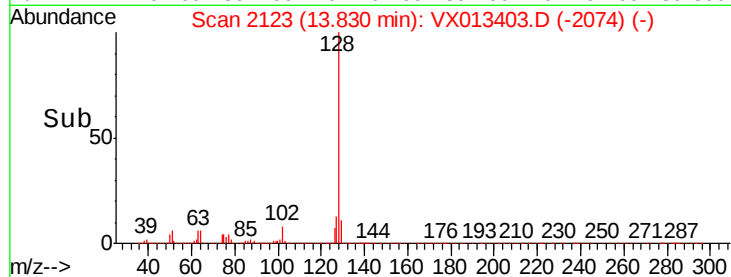
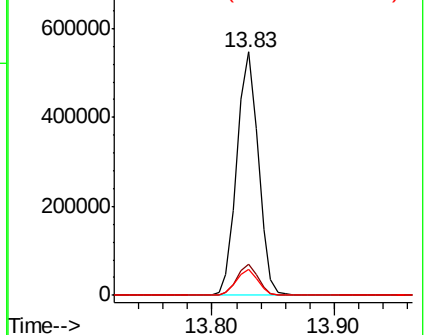
128 100

127 12.9 10.2 15.2

129 10.7 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: 20.394 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX013403.D

Acq: 13 Nov 2019 13:34

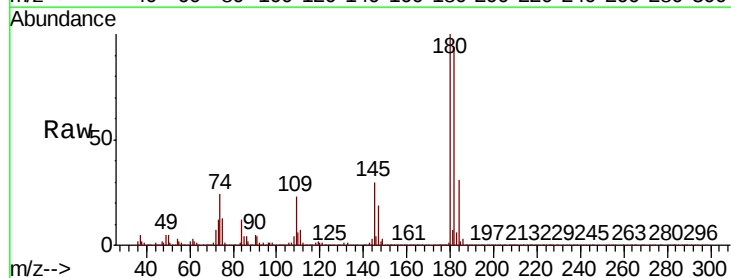
Tgt Ion:180 Resp: 215569

Ion Ratio Lower Upper

180 100

182 96.8 48.0 144.2

145 30.7 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

