

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX112119\  
 Data File : VX013506.D  
 Acq On : 21 Nov 2019 16:23  
 Operator : JC/SP  
 Sample : VX1121WBS03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1121WBS03

Quant Time: Nov 22 01:09:28 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  | 761706   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 1134127  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 1017274  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 504871   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 6.05   | 65  | 439592   | 48.71 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.42%  |      |
| 35) Dibromofluoromethane    | 5.48   | 113 | 365785   | 51.42 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.84% |      |
| 50) Toluene-d8              | 8.71   | 98  | 1386072  | 51.69 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.38% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 496605   | 51.31 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.62% |      |

| Target Compounds              |      |     |         |        |      | Qvalue |
|-------------------------------|------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85  | 127443  | 14.521 | ug/l | 99     |
| 3) Chloromethane              | 1.31 | 50  | 137268  | 14.423 | ug/l | 97     |
| 4) Vinyl Chloride             | 1.40 | 62  | 168418  | 15.544 | ug/l | 100    |
| 5) Bromomethane               | 1.63 | 94  | 85688   | 11.348 | ug/l | 97     |
| 6) Chloroethane               | 1.71 | 64  | 100705  | 15.436 | ug/l | 98     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 194555  | 15.198 | ug/l | 99     |
| 8) Diethyl Ether              | 2.18 | 74  | 93050   | 16.437 | ug/l | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 123296  | 17.281 | ug/l | 99     |
| 10) Methyl Iodide             | 2.50 | 142 | 90071   | 10.196 | ug/l | 98     |
| 11) Tert butyl alcohol        | 3.03 | 59  | 190861  | 80.246 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 117647  | 16.838 | ug/l | 98     |
| 13) Acrolein                  | 2.28 | 56  | 83839   | 65.039 | ug/l | 96     |
| 14) Allyl chloride            | 2.72 | 41  | 216448  | 17.050 | ug/l | 96     |
| 15) Acrylonitrile             | 3.13 | 53  | 388491  | 87.442 | ug/l | 99     |
| 16) Acetone                   | 2.43 | 43  | 368420  | 81.852 | ug/l | 100    |
| 17) Carbon Disulfide          | 2.56 | 76  | 262142  | 14.017 | ug/l | 98     |
| 18) Methyl Acetate            | 2.76 | 43  | 227073  | 18.273 | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 3.18 | 73  | 427231  | 18.333 | ug/l | 100    |
| 20) Methylene Chloride        | 2.84 | 84  | 138102  | 16.606 | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 126422  | 16.618 | ug/l | 98     |
| 22) Diisopropyl ether         | 3.84 | 45  | 447264  | 18.249 | ug/l | 99     |
| 23) Vinyl Acetate             | 3.80 | 43  | 1823553 | 86.949 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 3.69 | 63  | 237834  | 17.347 | ug/l | 99     |
| 25) 2-Butanone                | 4.66 | 43  | 563571  | 85.350 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 4.57 | 77  | 202334  | 18.550 | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.58 | 96  | 150298  | 17.636 | ug/l | 99     |
| 28) Bromochloromethane        | 5.00 | 49  | 67669   | 17.383 | ug/l | 97     |
| 29) Tetrahydrofuran           | 5.12 | 42  | 356241  | 87.548 | ug/l | 99     |
| 30) Chloroform                | 5.20 | 83  | 246013  | 18.171 | ug/l | 96     |
| 31) Cyclohexane               | 5.56 | 56  | 199886  | 16.202 | ug/l | 95     |
| 32) 1,1,1-Trichloroethane     | 5.48 | 97  | 198755  | 17.059 | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 171701  | 17.648 | ug/l | 100    |
| 37) Ethyl Acetate             | 4.82 | 43  | 212400  | 17.667 | ug/l | 100    |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 164127  | 17.251 | ug/l | 97     |

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 Operator : JC/SP  
 Sample : VX1121WBS03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1121WBS03

Quant Time: Nov 22 01:09:28 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   | 207201   | 17.091  | ug/l   | 99       |
| 40) Benzene                    | 6.13  | 78   | 535781   | 17.679  | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.03  | 41   | 115376   | 17.122  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 6.18  | 62   | 190661   | 17.441  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 6.44  | 43   | 348648   | 18.624  | ug/l   | 99       |
| 44) Trichloroethene            | 7.21  | 130  | 143565   | 17.209  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 140880   | 18.244  | ug/l   | 98       |
| 46) Dibromomethane             | 7.65  | 93   | 93406    | 17.716  | ug/l   | 99       |
| 47) Bromodichloromethane       | 7.89  | 83   | 179613   | 18.066  | ug/l   | 94       |
| 48) Methyl methacrylate        | 7.76  | 41   | 167912   | 17.968  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 7.73  | 88   | 70579    | 329.791 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 1101699  | 89.697  | ug/l   | 99       |
| 52) Toluene                    | 8.78  | 92   | 339818   | 18.091  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 194212   | 17.864  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 220323   | 18.117  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 140346   | 18.026  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 9.17  | 69   | 223370   | 17.843  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 242224   | 18.327  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 517581   | 97.226  | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.48  | 43   | 848368   | 89.381  | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.57  | 129  | 142353   | 17.877  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 149697   | 18.107  | ug/l   | 100      |
| 64) Tetrachloroethene          | 9.33  | 164  | 133646   | 18.352  | ug/l   | 99       |
| 65) Chlorobenzene              | 10.14 | 112  | 365854   | 17.764  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 137505   | 18.184  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.25 | 91   | 646292   | 18.182  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.36 | 106  | 489481   | 36.412  | ug/l   | 100      |
| 69) o-Xylene                   | 10.70 | 106  | 241455   | 18.346  | ug/l   | 98       |
| 70) Styrene                    | 10.71 | 104  | 403903   | 18.359  | ug/l   | 99       |
| 71) Bromoform                  | 10.86 | 173  | 107210   | 17.514  | ug/l # | 98       |
| 73) Isopropylbenzene           | 11.01 | 105  | 644479   | 19.253  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.89 | 43   | 301756   | 19.440  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 232125   | 19.008  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 248971   | 24.279  | ug/l   | 80       |
| 77) Bromobenzene               | 11.25 | 156  | 166477   | 18.656  | ug/l   | 98       |
| 78) n-propylbenzene            | 11.35 | 91   | 711037   | 19.069  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 425725   | 18.950  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 539181   | 19.338  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 70364    | 17.662  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 485026   | 18.443  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 551196   | 19.639  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 548291   | 19.603  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 620822   | 19.246  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 575759   | 19.384  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 291134   | 18.303  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 290826   | 17.945  | ug/l   | 100      |
| 89) n-Butylbenzene             | 12.39 | 91   | 477789   | 18.434  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.59 | 117  | 99273    | 18.758  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 298963   | 18.803  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 48852    | 16.420  | ug/l   | 99       |

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Data File : VX013506.D  
Acq On : 21 Nov 2019 16:23  
Operator : JC/SP  
Sample : VX1121WBS03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 16 Sample Multiplier: 1

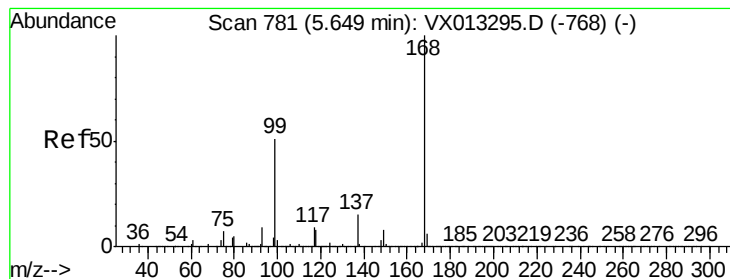
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1121WBS03

Quant Time: Nov 22 01:09:28 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  | 203343   | 18.334 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 98123    | 18.083 | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 635696   | 18.268 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 203251   | 18.273 | 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: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

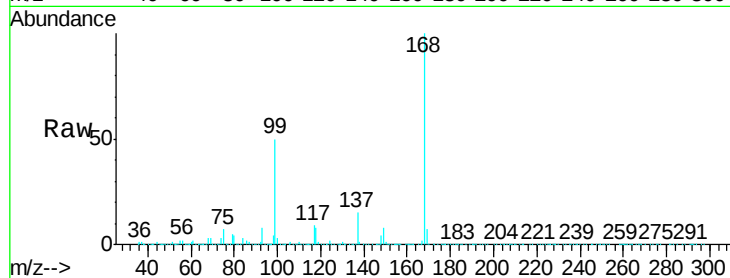
VX1121WBS03

Tgt Ion:168 Resp: 761706

Ion Ratio Lower Upper

168 100

99 49.5 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

300000

250000

200000

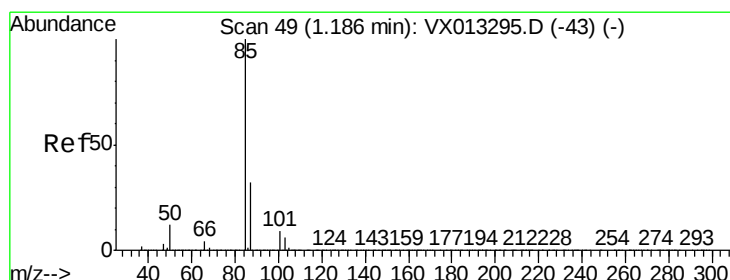
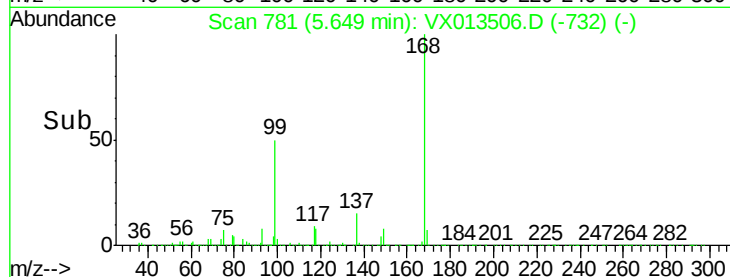
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 14.521 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX013506.D

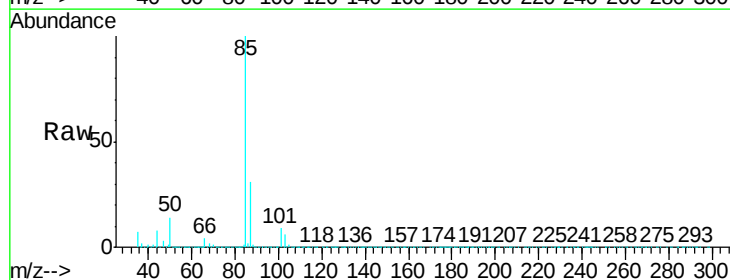
Acq: 21 Nov 2019 16:23

Tgt Ion: 85 Resp: 127443

Ion Ratio Lower Upper

85 100

87 31.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

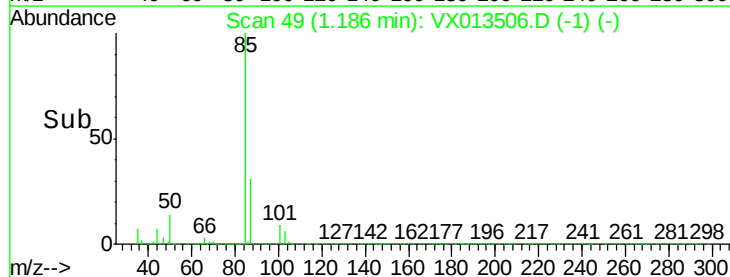
1.19

100000

50000

0

Time-->





#3

Chloromethane

Concen: 14.423 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

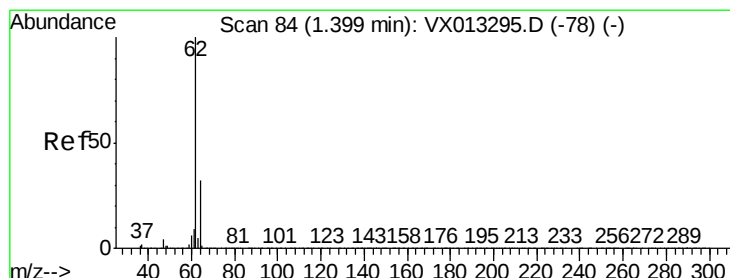
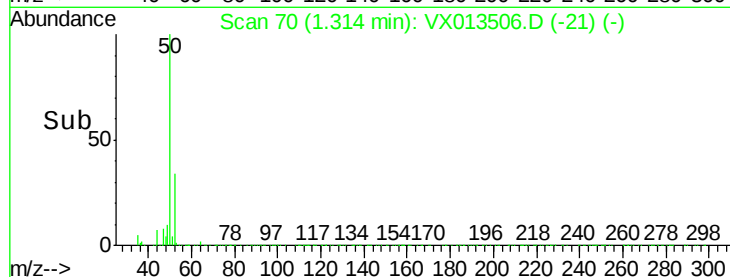
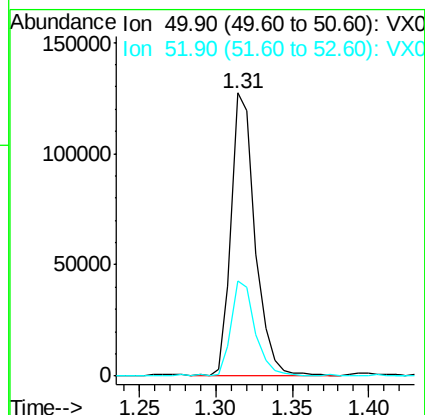
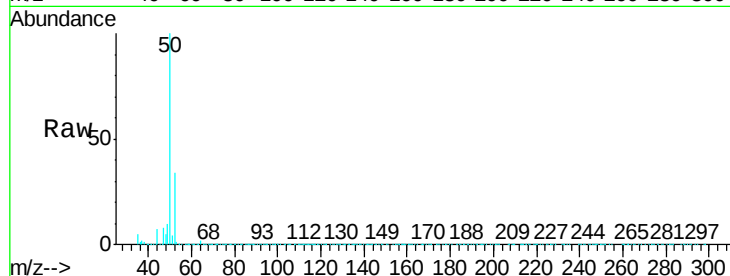
VX1121WBS03

Tgt Ion: 50 Resp: 137268

Ion Ratio Lower Upper

50 100

52 33.6 25.5 38.3



#4

Vinyl Chloride

Concen: 15.544 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013506.D

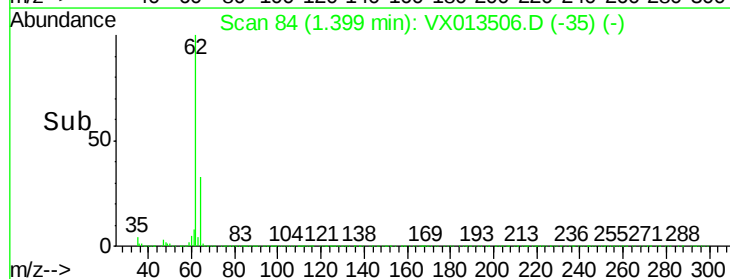
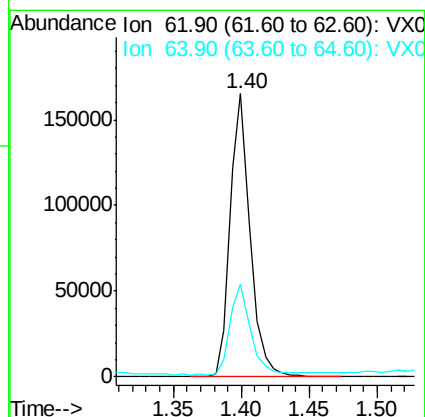
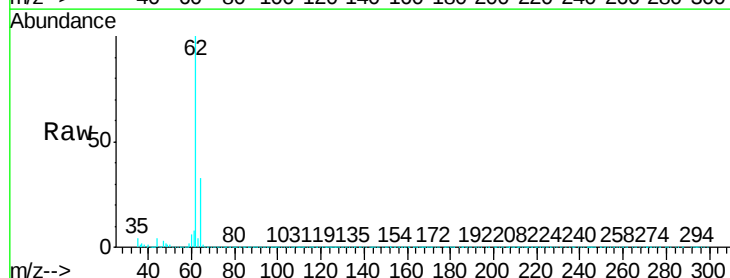
Acq: 21 Nov 2019 16:23

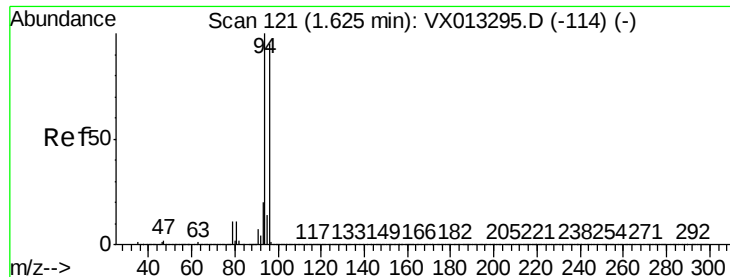
Tgt Ion: 62 Resp: 168418

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4





#5

Bromomethane

Concen: 11.348 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

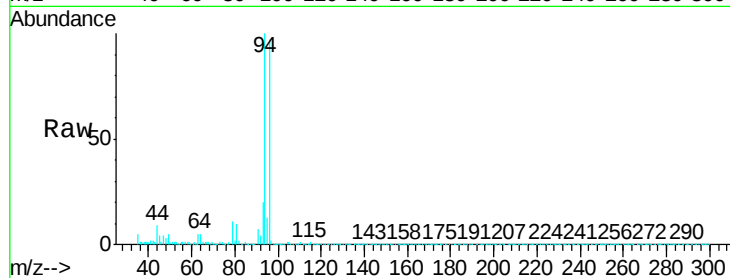
VX1121WBS03

Tgt Ion: 94 Resp: 85688

Ion Ratio Lower Upper

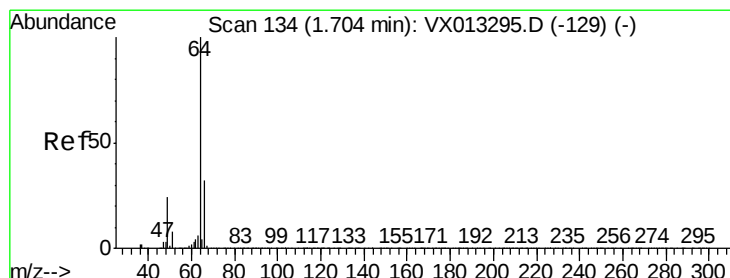
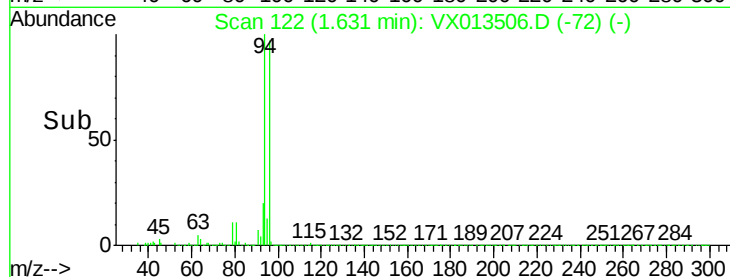
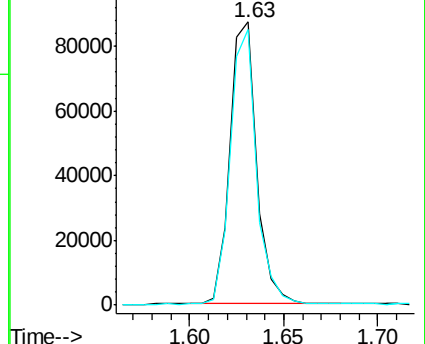
94 100

96 97.2 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 15.436 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX013506.D

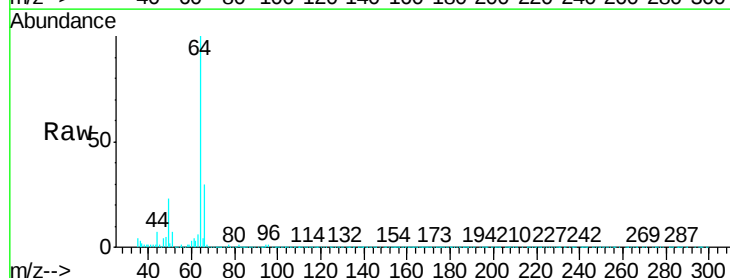
Acq: 21 Nov 2019 16:23

Tgt Ion: 64 Resp: 100705

Ion Ratio Lower Upper

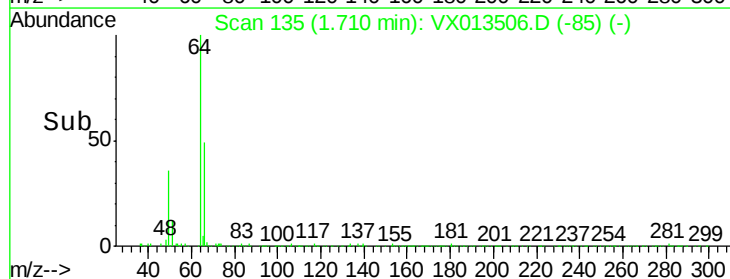
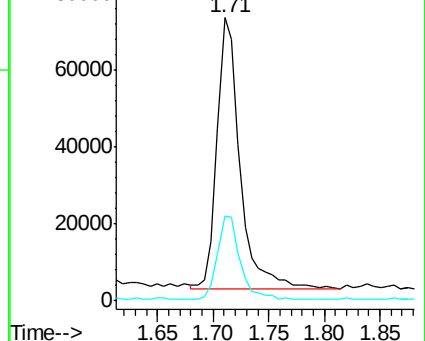
64 100

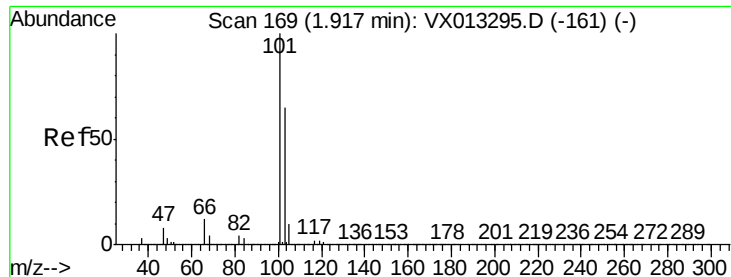
66 30.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



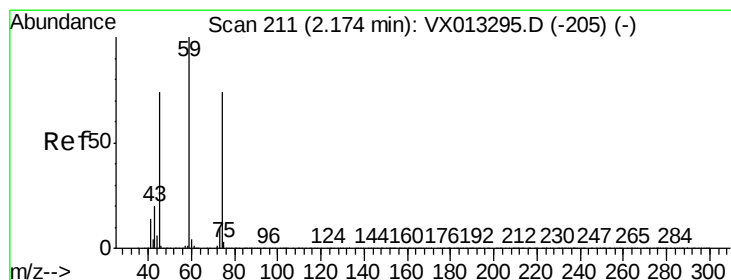
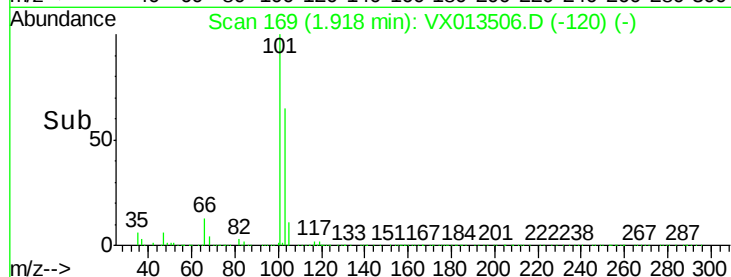
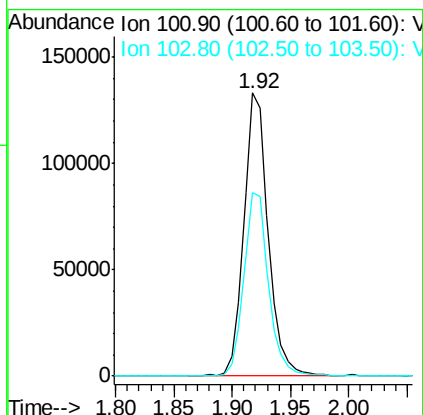
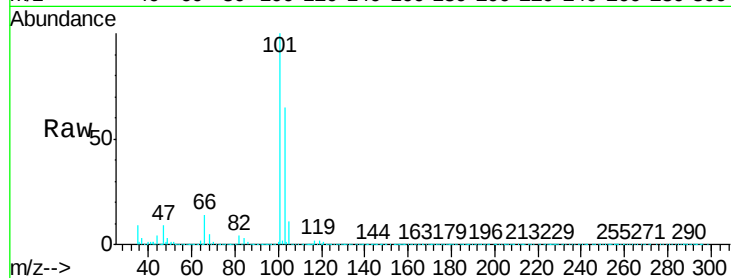


#7

Trichlorofluoromethane  
Concen: 15.198 ug/l  
RT: 1.92 min Scan# 169  
Delta R.T. 0.00 min  
Lab File: VX013506.D  
Acq: 21 Nov 2019 16:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1121WBS03

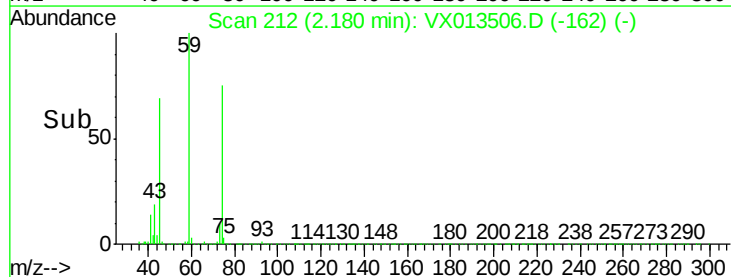
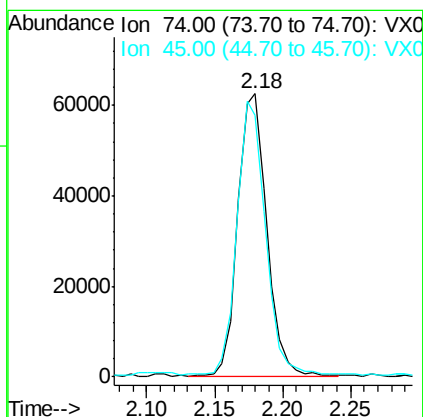
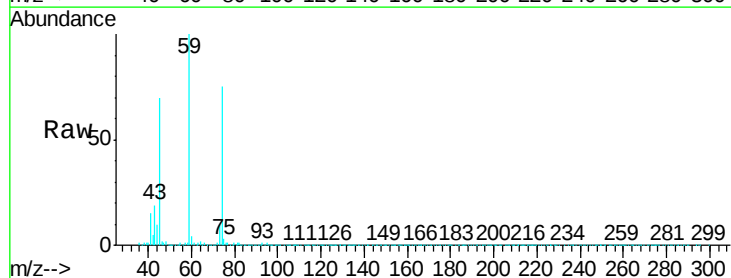
Tgt Ion:101 Resp: 194555  
Ion Ratio Lower Upper  
101 100  
103 64.8 52.3 78.5

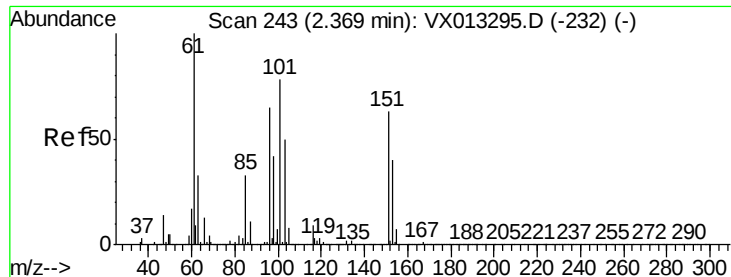


#8

Diethyl Ether  
Concen: 16.437 ug/l  
RT: 2.18 min Scan# 212  
Delta R.T. 0.01 min  
Lab File: VX013506.D  
Acq: 21 Nov 2019 16:23

Tgt Ion: 74 Resp: 93050  
Ion Ratio Lower Upper  
74 100  
45 93.3 48.5 145.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.281 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

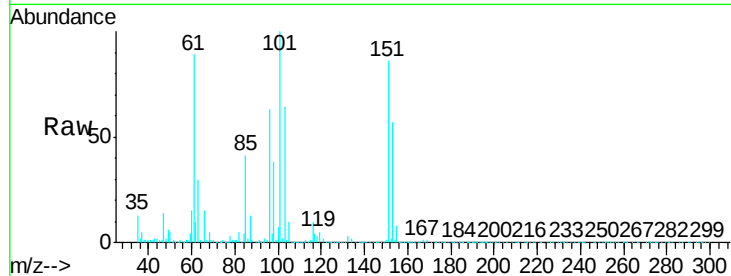
Instrument :

MSVOA\_X

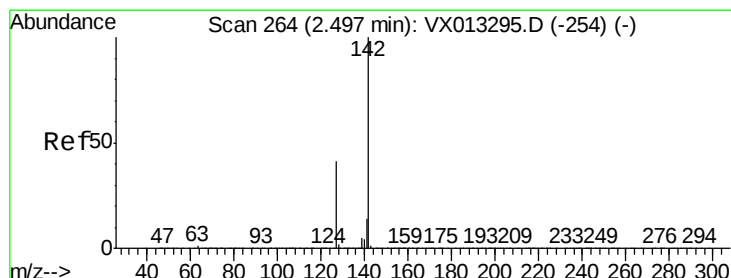
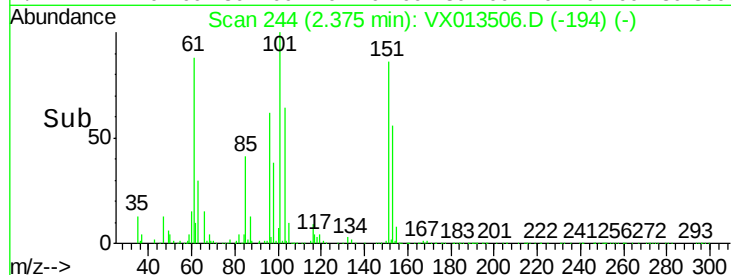
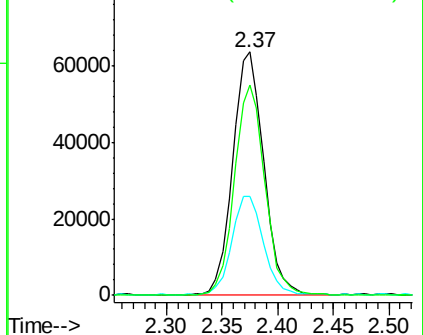
ClientSampleId :

VX1121WBS03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 101   | Resp: | 123296 |
| Ion      | Ratio | Lower | Upper  |
| 101      | 100   |       |        |
| 85       | 42.2  | 34.4  | 51.6   |
| 151      | 84.1  | 66.4  | 99.6   |



Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): VX0  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 10.196 ug/l

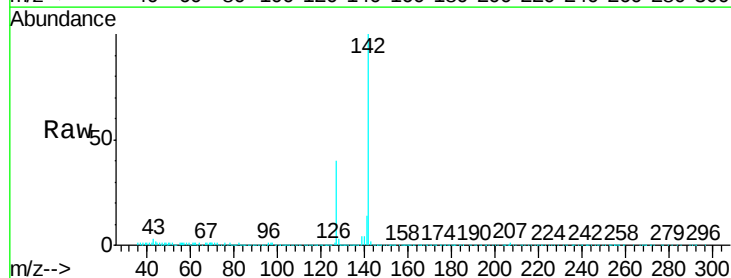
RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

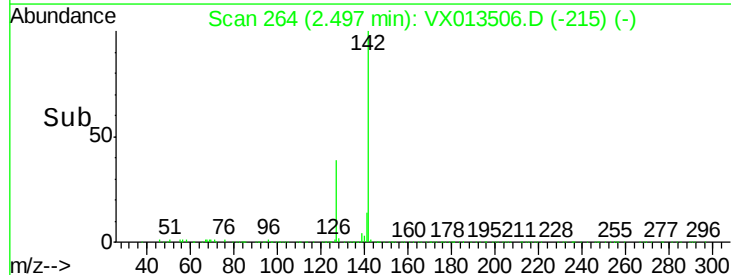
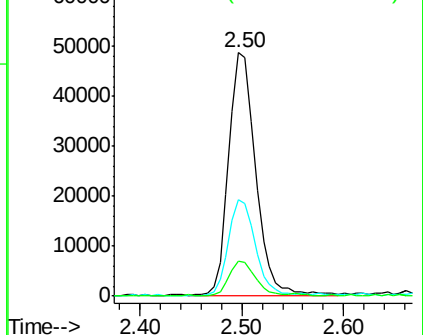
Lab File: VX013506.D

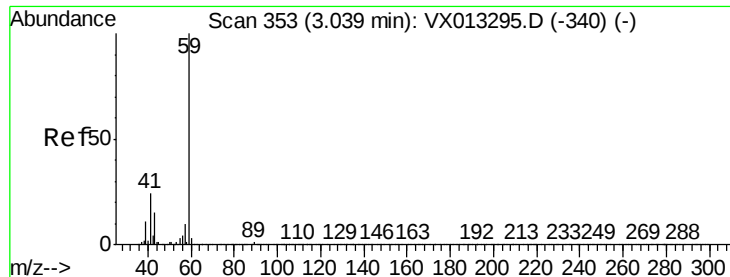
Acq: 21 Nov 2019 16:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 90071 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 39.2  | 32.6  | 49.0  |
| 141      | 14.8  | 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



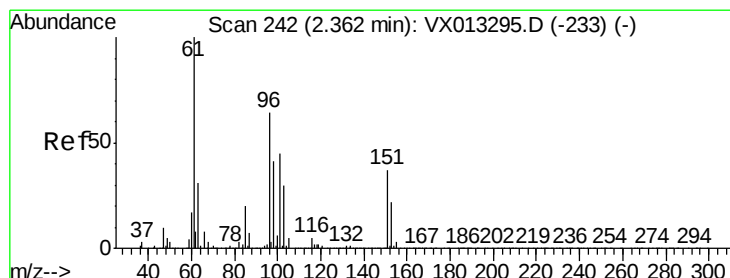
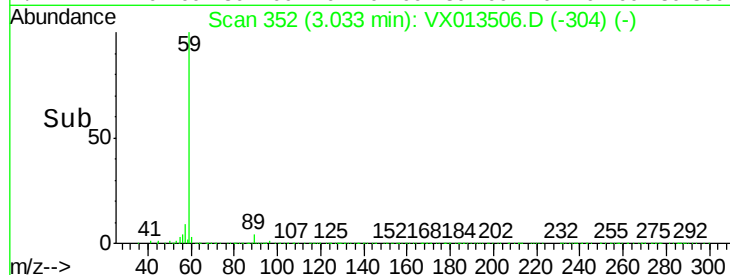
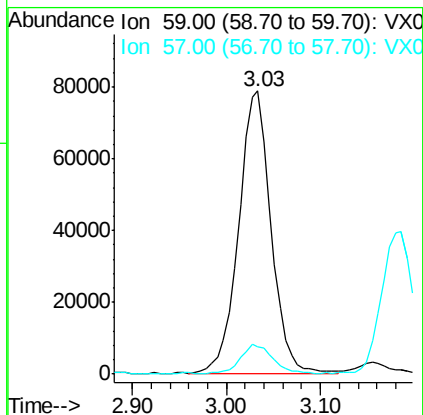
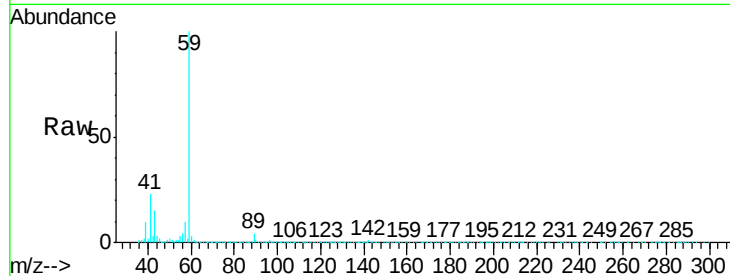


#11

Tert butyl alcohol  
 Concen: 80.246 ug/l  
 RT: 3.03 min Scan# 352  
 Delta R.T. -0.01 min  
 Lab File: VX013506.D  
 Acq: 21 Nov 2019 16:23

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1121WBS03

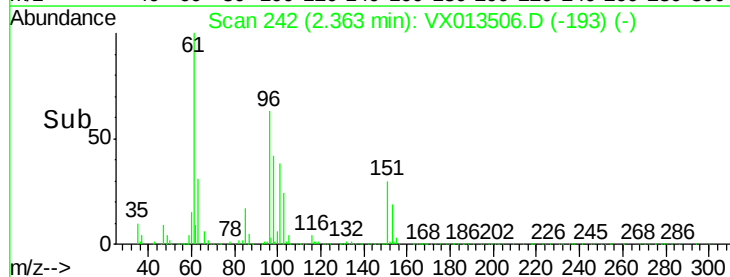
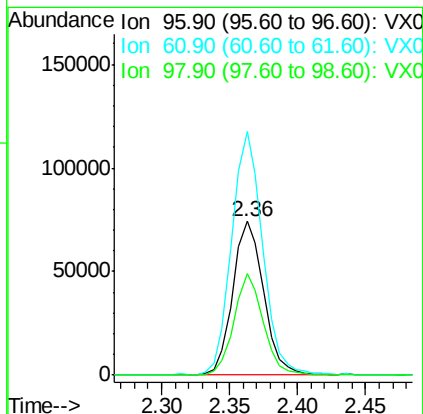
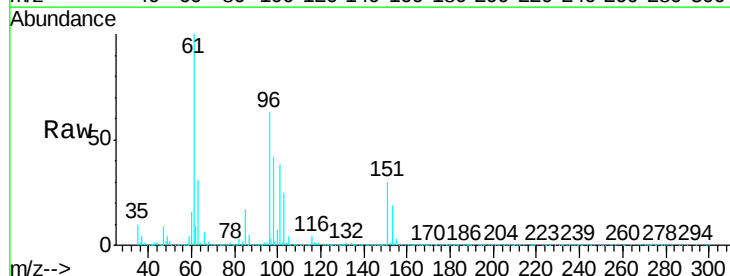
Tgt Ion: 59 Resp: 190861  
 Ion Ratio Lower Upper  
 59 100  
 57 10.1 8.0 12.0

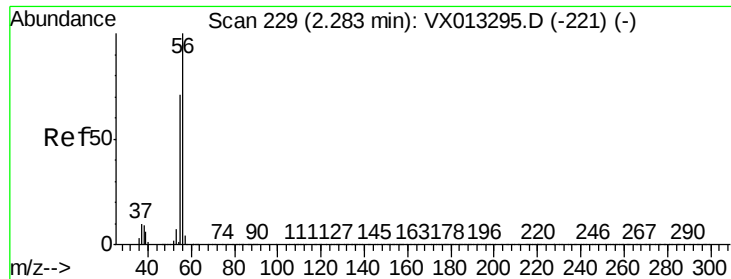


#12

1,1-Dichloroethene  
 Concen: 16.838 ug/l  
 RT: 2.36 min Scan# 242  
 Delta R.T. 0.00 min  
 Lab File: VX013506.D  
 Acq: 21 Nov 2019 16:23

Tgt Ion: 96 Resp: 117647  
 Ion Ratio Lower Upper  
 96 100  
 61 158.4 125.0 187.6  
 98 65.9 50.7 76.1

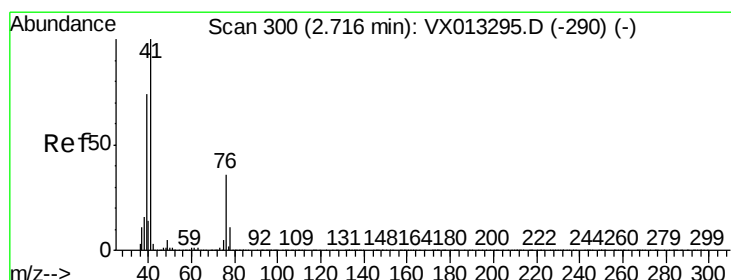
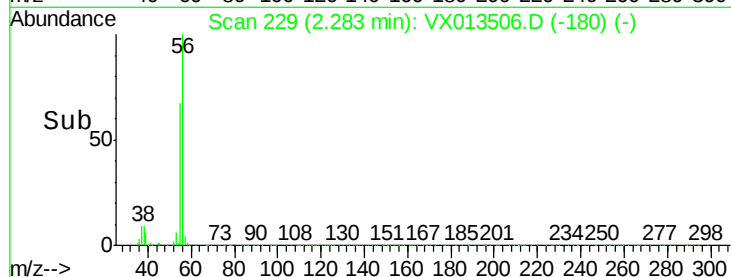
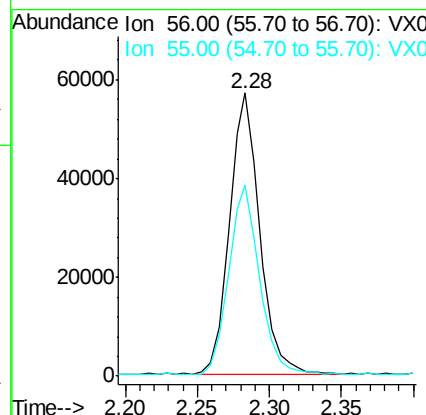
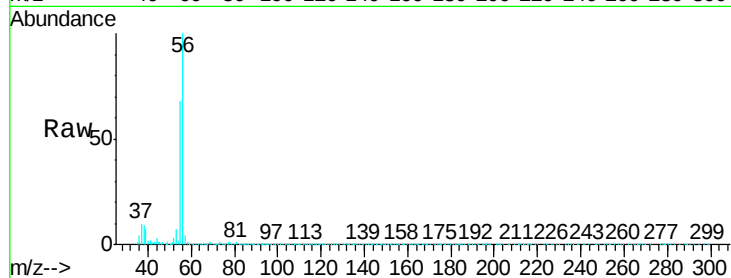




#13  
Acrolein  
Concen: 65.039 ug/l  
RT: 2.28 min Scan# 229  
Delta R.T. 0.00 min  
Lab File: VX013506.D  
Acq: 21 Nov 2019 16:23

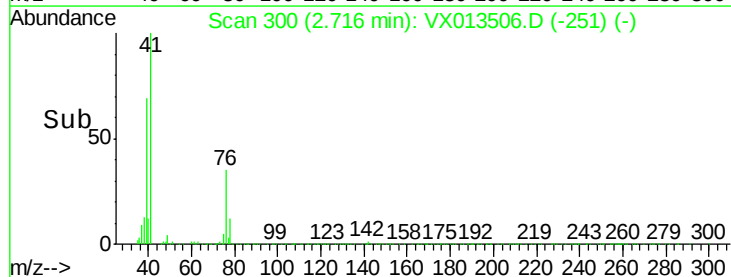
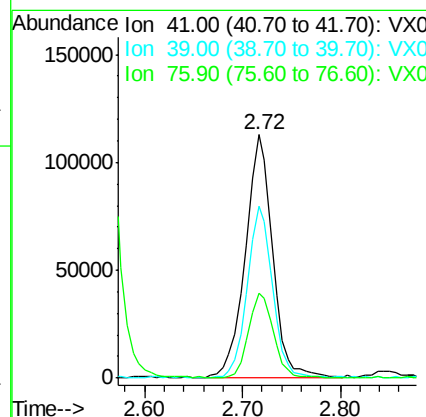
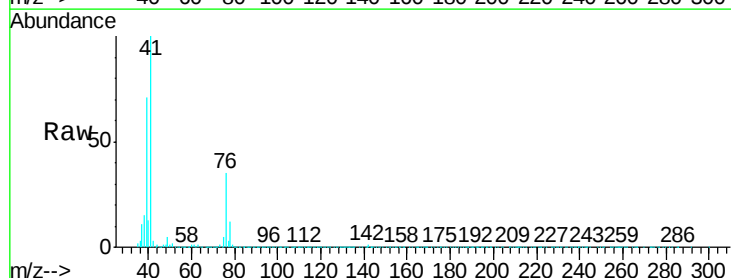
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1121WBS03

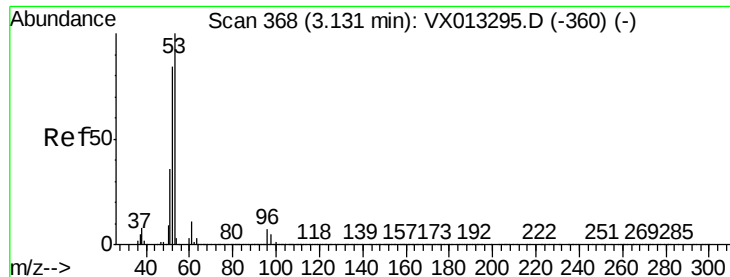
Tgt Ion: 56 Resp: 83839  
Ion Ratio Lower Upper  
56 100  
55 68.4 57.4 86.0



#14  
Allyl chloride  
Concen: 17.050 ug/l  
RT: 2.72 min Scan# 300  
Delta R.T. 0.00 min  
Lab File: VX013506.D  
Acq: 21 Nov 2019 16:23

Tgt Ion: 41 Resp: 216448  
Ion Ratio Lower Upper  
41 100  
39 65.4 55.8 83.8  
76 31.9 26.4 39.6





#15

Acrylonitrile

Concen: 87.442 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

VX1121WBS03

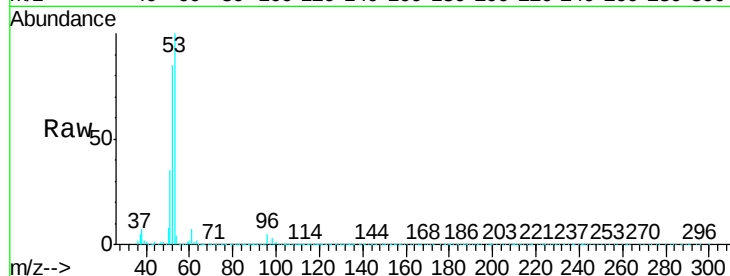
Tgt Ion: 53 Resp: 388491

Ion Ratio Lower Upper

53 100

52 83.7 67.4 101.0

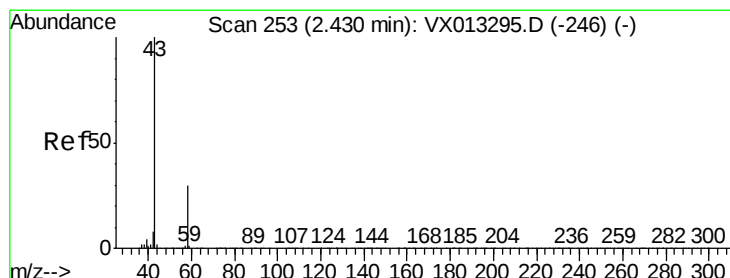
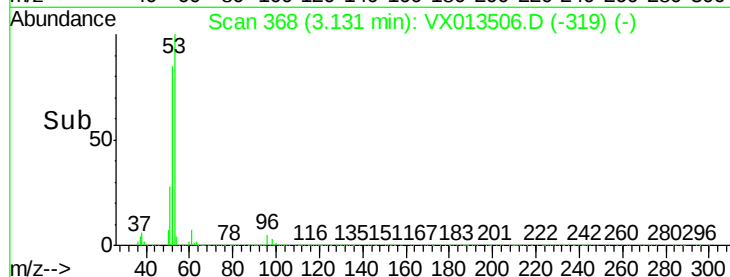
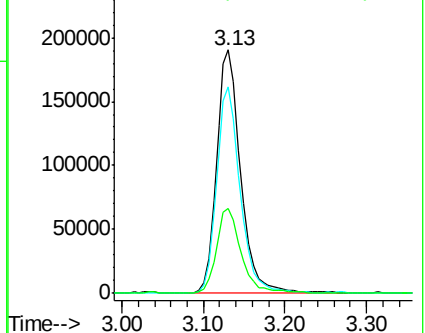
51 36.0 29.4 44.2



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: 81.852 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013506.D

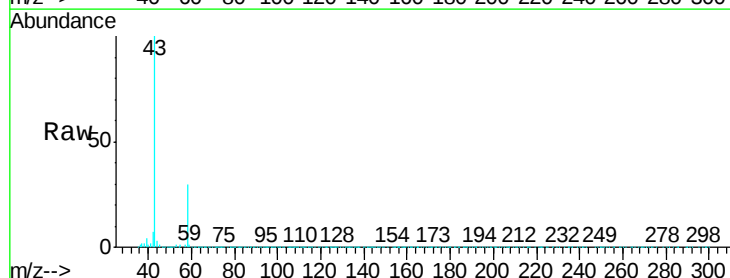
Acq: 21 Nov 2019 16:23

Tgt Ion: 43 Resp: 368420

Ion Ratio Lower Upper

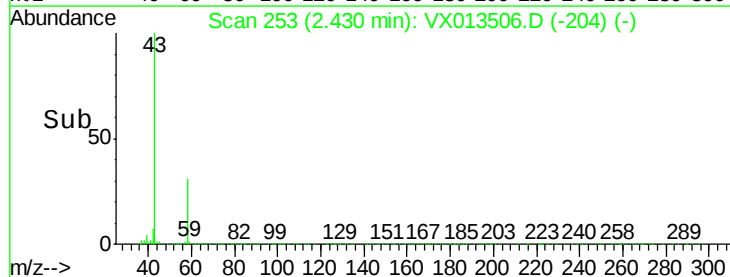
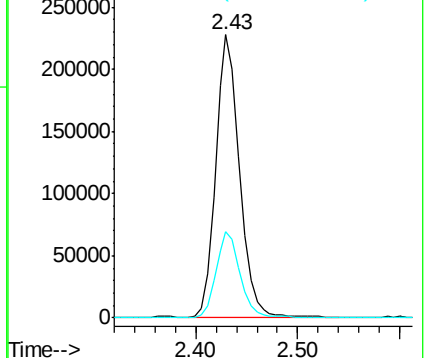
43 100

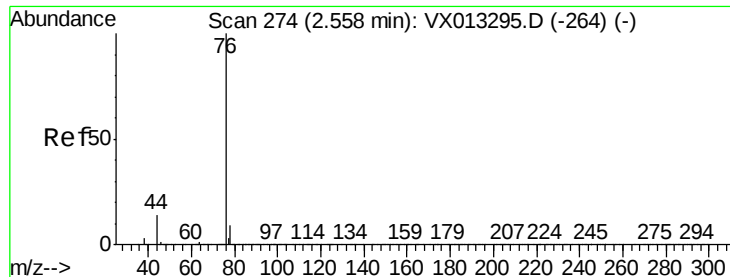
58 30.3 24.3 36.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 14.017 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

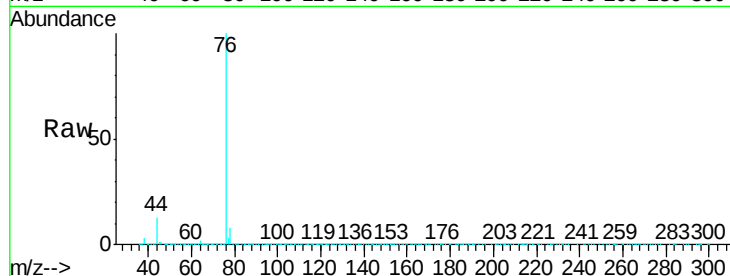
VX1121WBS03

Tgt Ion: 76 Resp: 262142

Ion Ratio Lower Upper

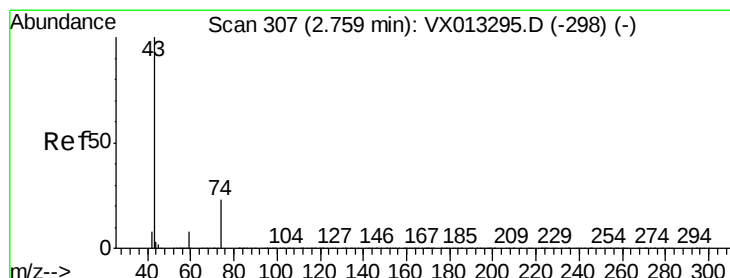
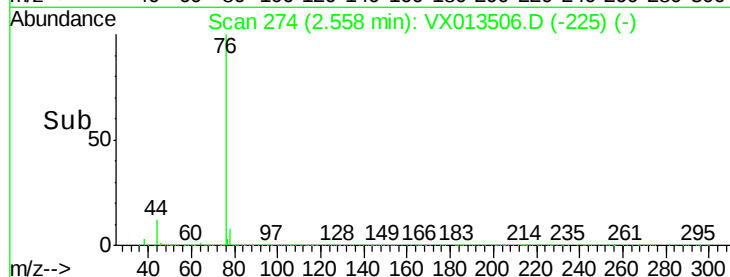
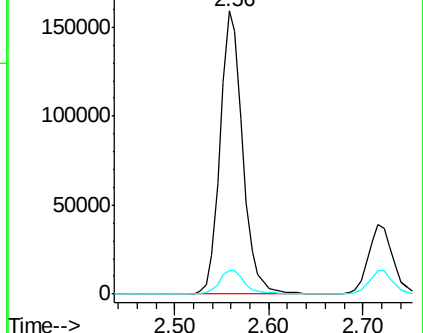
76 100

78 8.2 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 18.273 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX013506.D

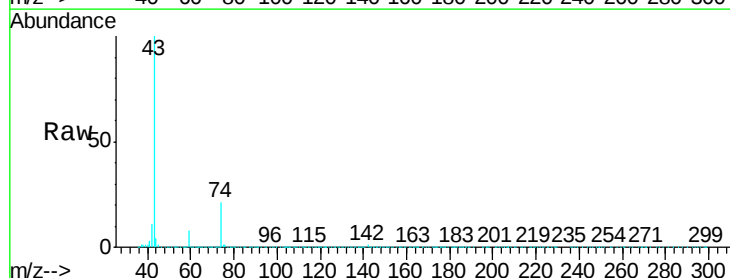
Acq: 21 Nov 2019 16:23

Tgt Ion: 43 Resp: 227073

Ion Ratio Lower Upper

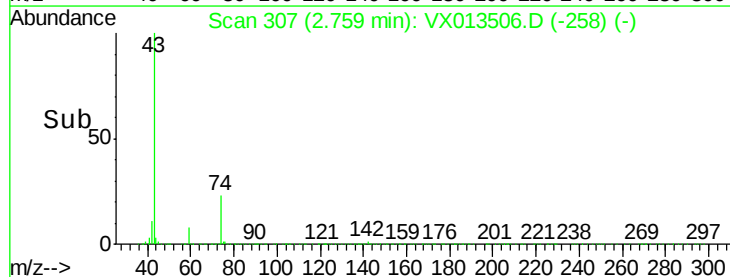
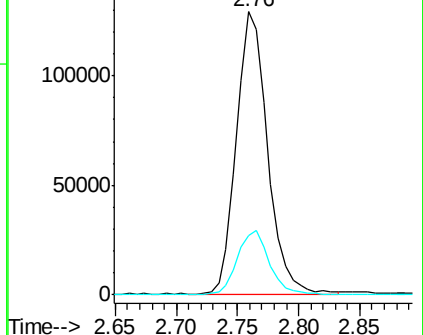
43 100

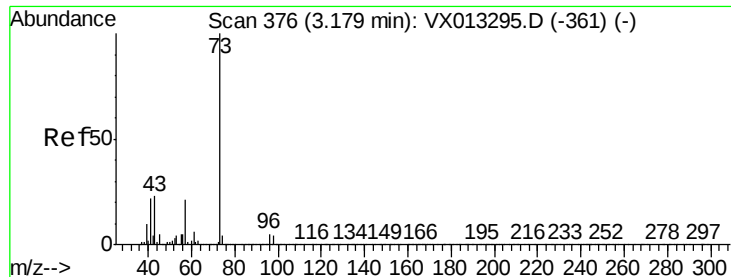
74 23.5 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



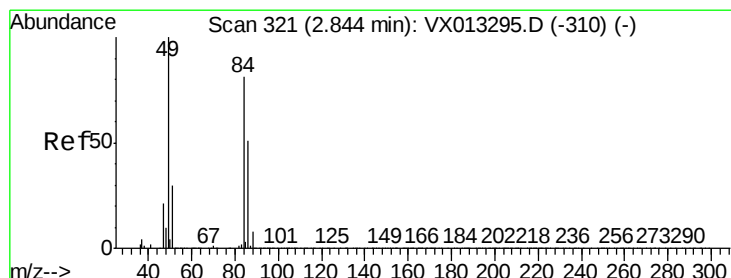
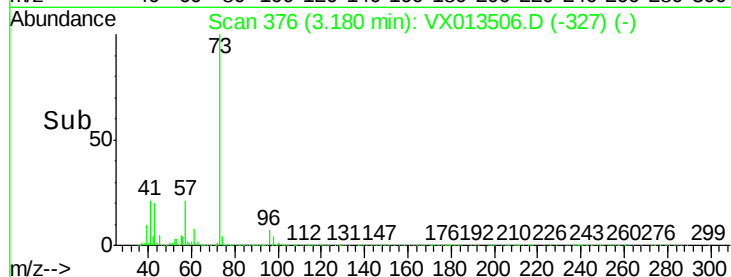
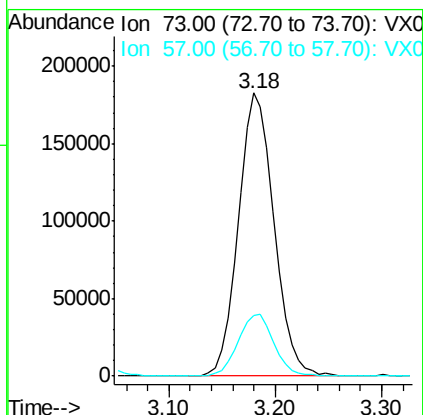
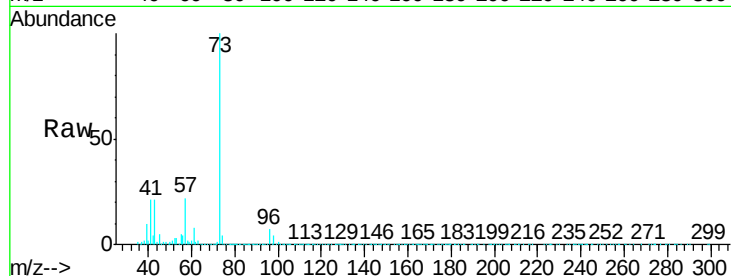


#19

Methyl tert-butyl Ether  
Concen: 18.333 ug/l  
RT: 3.18 min Scan# 376  
Delta R.T. 0.00 min  
Lab File: VX013506.D  
Acq: 21 Nov 2019 16:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1121WBS03

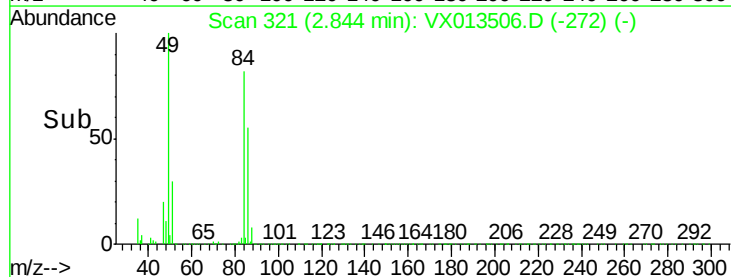
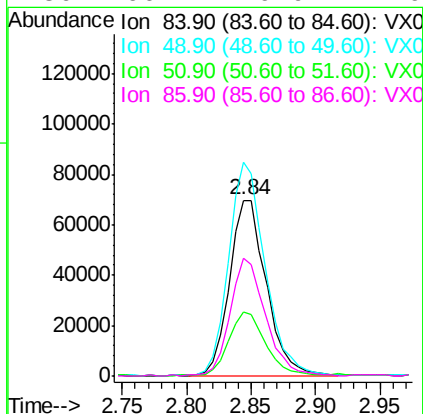
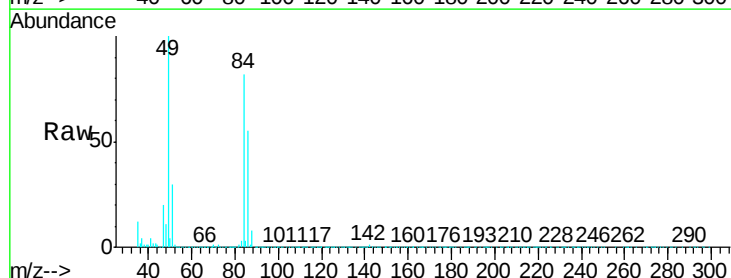
Tgt Ion: 73 Resp: 427231  
Ion Ratio Lower Upper  
73 100  
57 21.3 17.1 25.7

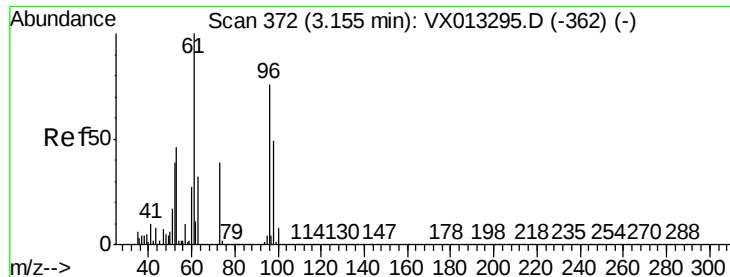


#20

Methylene Chloride  
Concen: 16.606 ug/l  
RT: 2.84 min Scan# 321  
Delta R.T. 0.00 min  
Lab File: VX013506.D  
Acq: 21 Nov 2019 16:23

Tgt Ion: 84 Resp: 138102  
Ion Ratio Lower Upper  
84 100  
49 120.8 98.2 147.4  
51 35.8 29.9 44.9  
86 66.7 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 16.618 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

VX1121WBS03

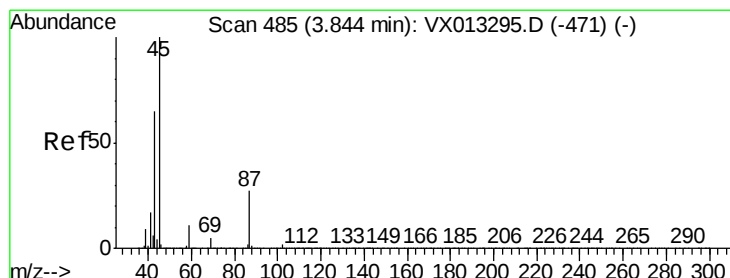
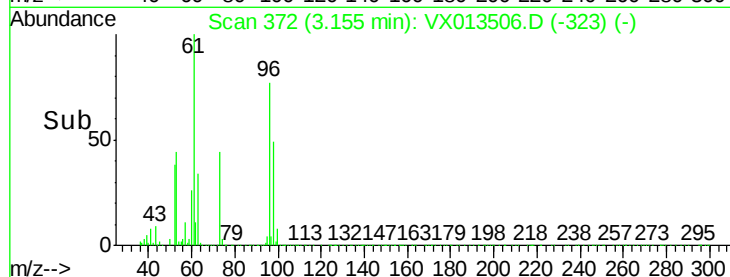
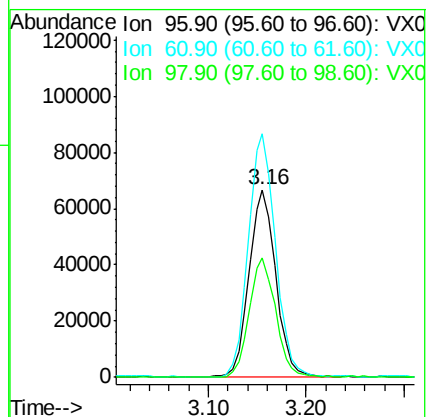
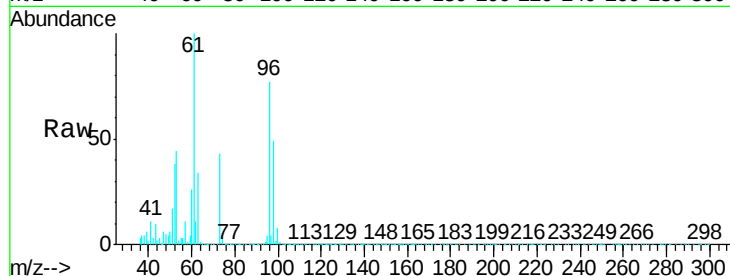
Tgt Ion: 96 Resp: 126422

Ion Ratio Lower Upper

96 100

61 129.9 105.8 158.6

98 63.4 51.8 77.6



#22

Diisopropyl ether

Concen: 18.249 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Tgt Ion: 45 Resp: 447264

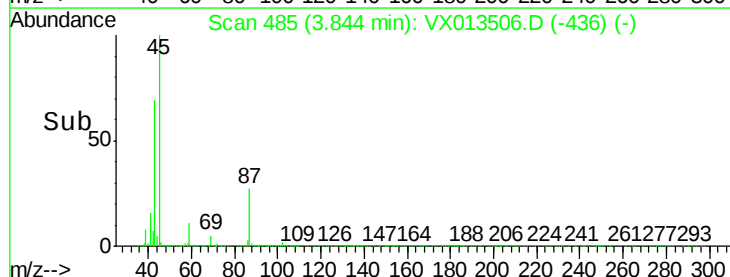
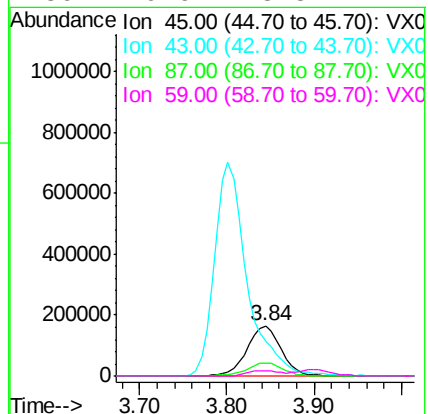
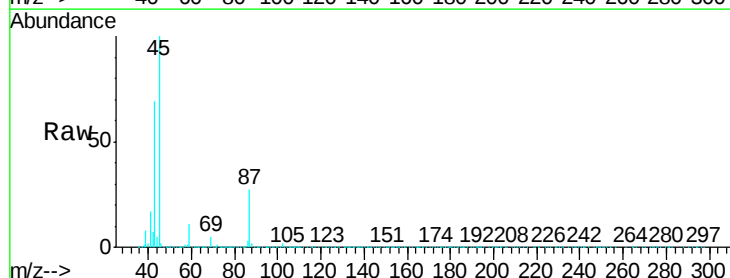
Ion Ratio Lower Upper

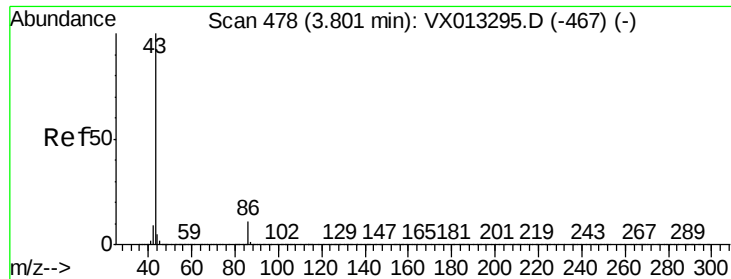
45 100

43 66.4 54.2 81.2

87 26.7 21.8 32.8

59 10.6 8.5 12.7





#23

Vinyl Acetate

Concen: 86.949 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

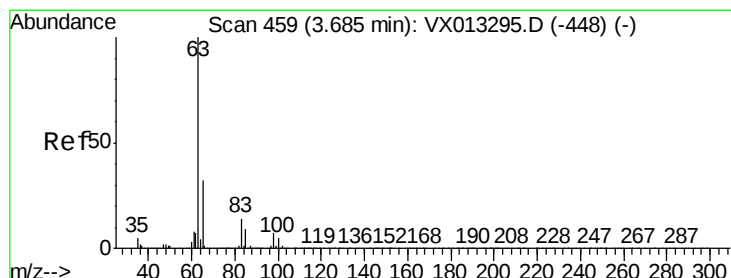
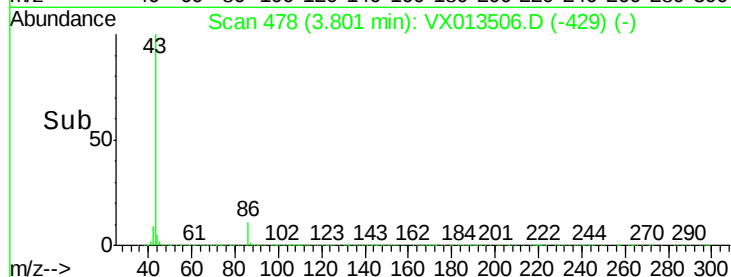
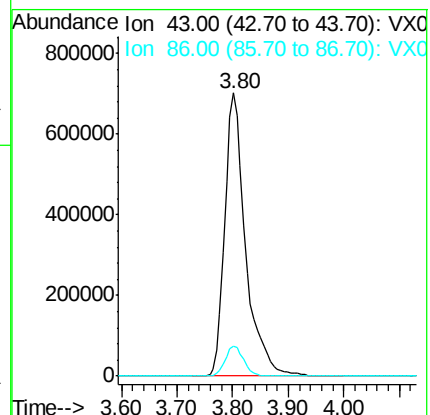
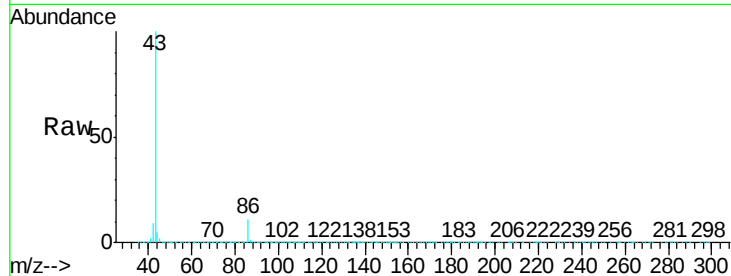
VX1121WBS03

Tgt Ion: 43 Resp: 1823553

Ion Ratio Lower Upper

43 100

86 10.7 8.6 13.0



#24

1,1-Dichloroethane

Concen: 17.347 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

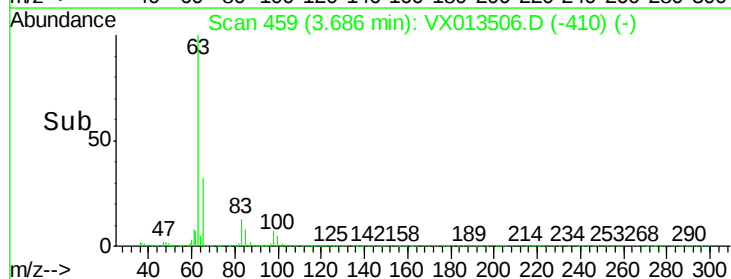
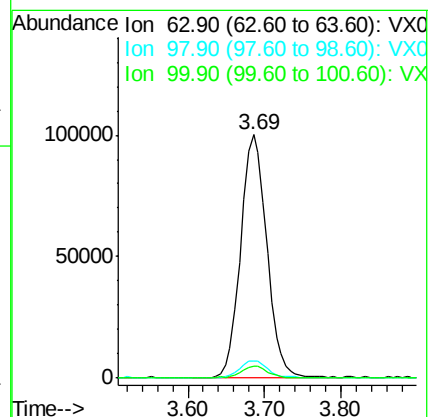
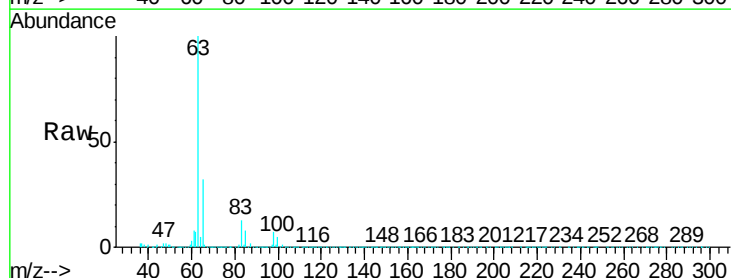
Tgt Ion: 63 Resp: 237834

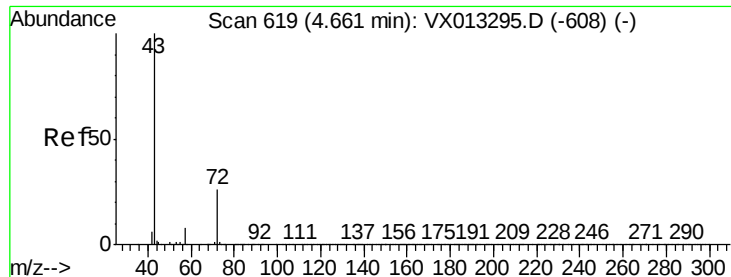
Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.6 2.4 7.2





#25

2-Butanone

Concen: 85.350 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

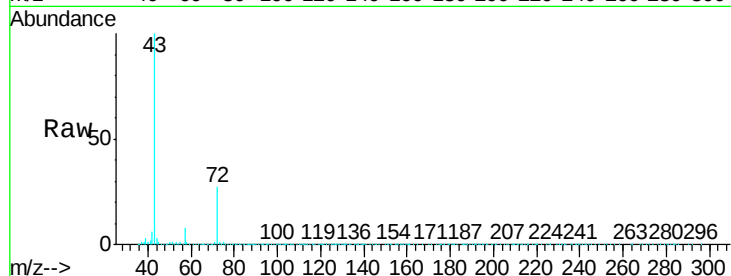
VX1121WBS03

Tgt Ion: 43 Resp: 563571

Ion Ratio Lower Upper

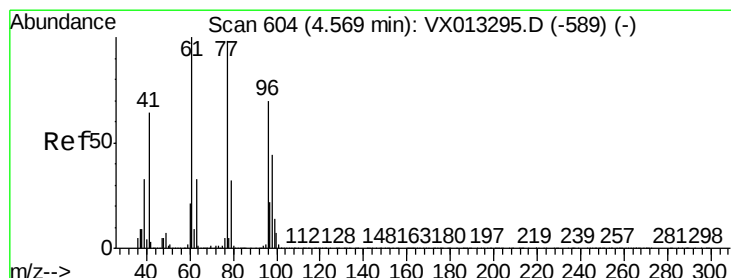
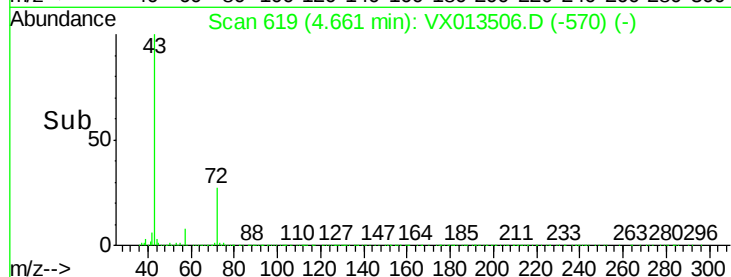
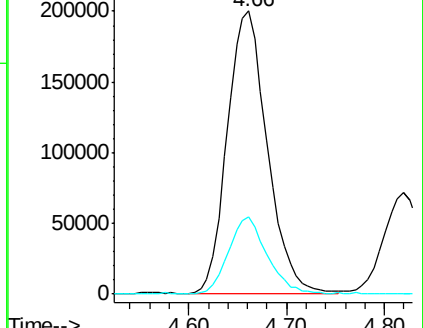
43 100

72 27.0 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.550 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX013506.D

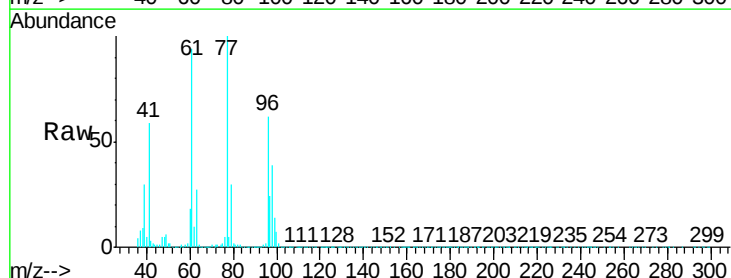
Acq: 21 Nov 2019 16:23

Tgt Ion: 77 Resp: 202334

Ion Ratio Lower Upper

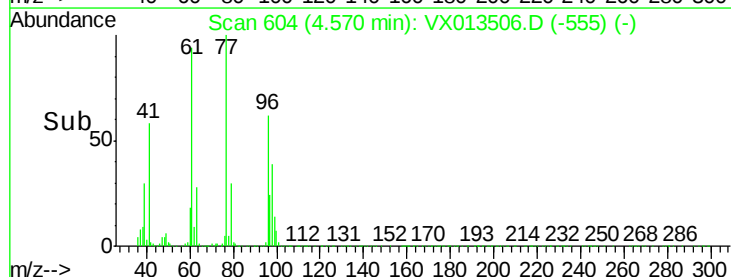
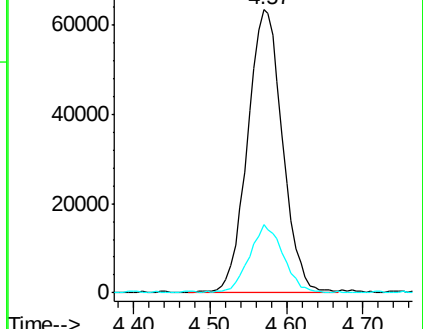
77 100

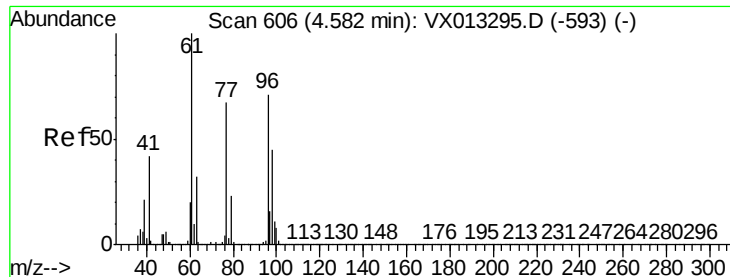
97 23.0 11.3 33.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



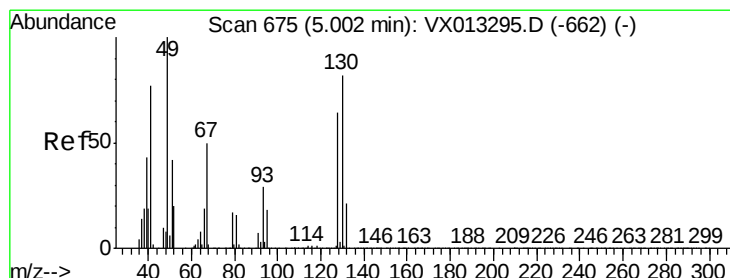
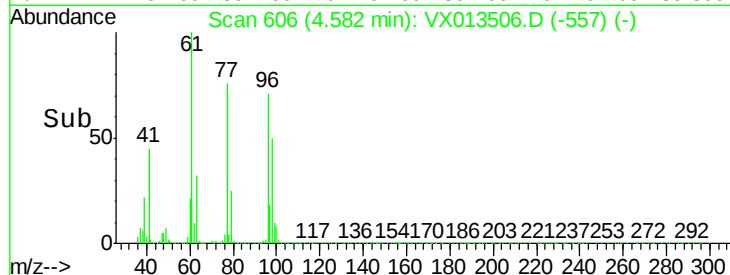
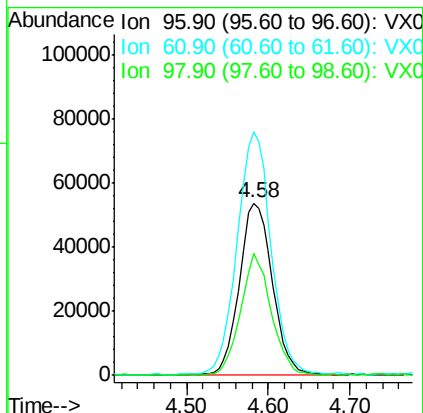
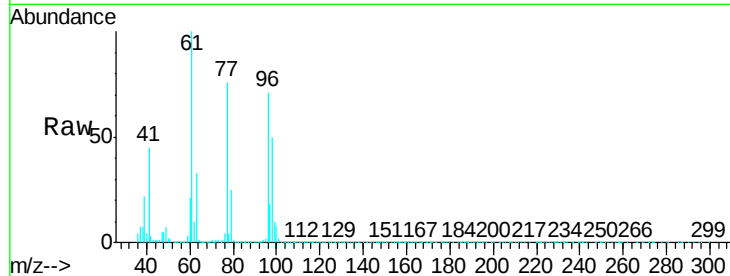


#27

cis-1,2-Dichloroethene  
Concen: 17.636 ug/l  
RT: 4.58 min Scan# 606  
Delta R.T. 0.00 min  
Lab File: VX013506.D  
Acq: 21 Nov 2019 16:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1121WBS03

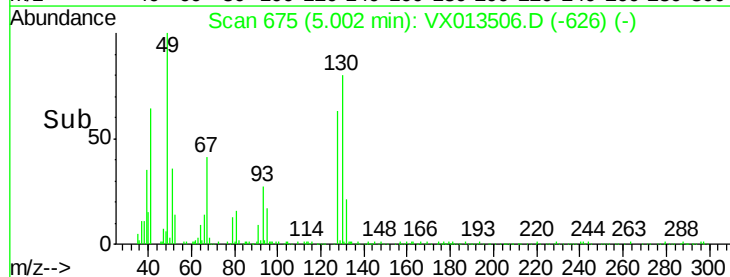
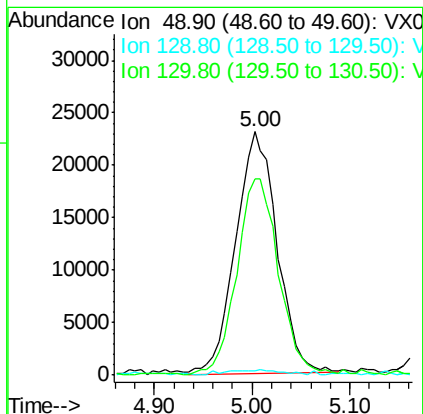
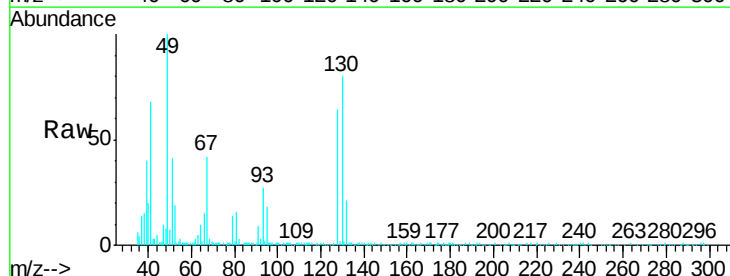
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 145.2 | 0.0   | 288.0 |
| 98      | 65.7  | 0.0   | 129.6 |

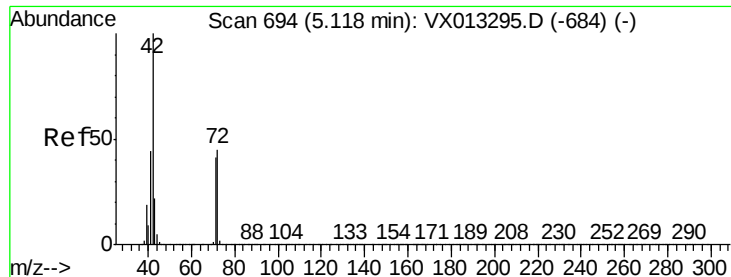


#28

Bromochloromethane  
Concen: 17.383 ug/l  
RT: 5.00 min Scan# 675  
Delta R.T. 0.00 min  
Lab File: VX013506.D  
Acq: 21 Nov 2019 16:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.6   | 0.0   | 5.2   |
| 130     | 82.2  | 63.8  | 95.6  |





#29

Tetrahydrofuran

Concen: 87.548 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

VX1121WBS03

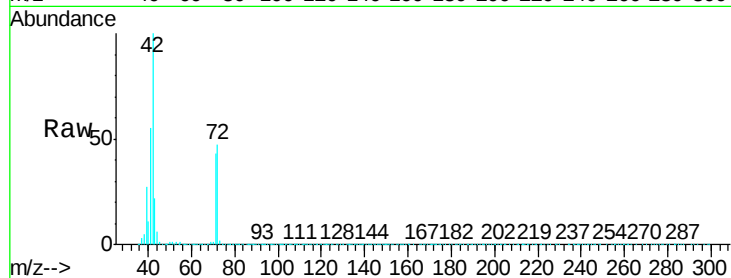
Tgt Ion: 42 Resp: 356241

Ion Ratio Lower Upper

42 100

72 45.6 35.8 53.8

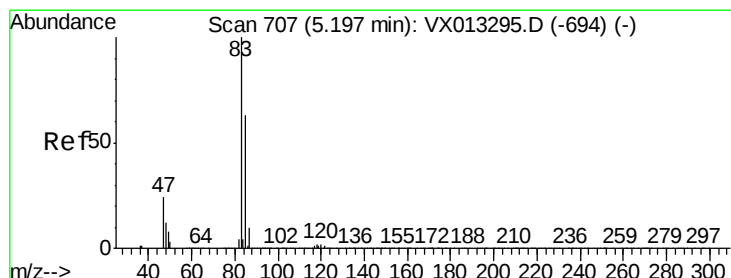
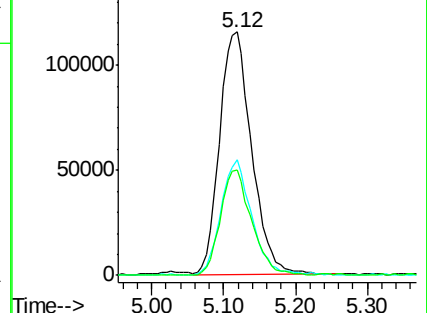
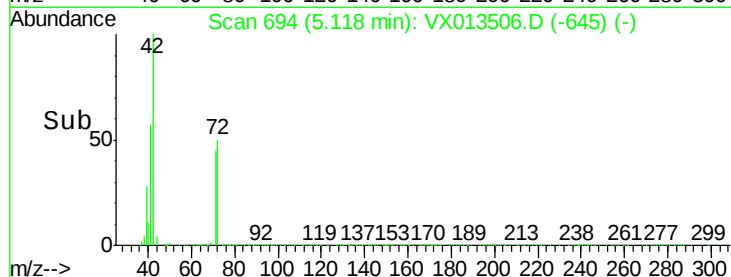
71 42.2 33.4 50.0



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 18.171 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX013506.D

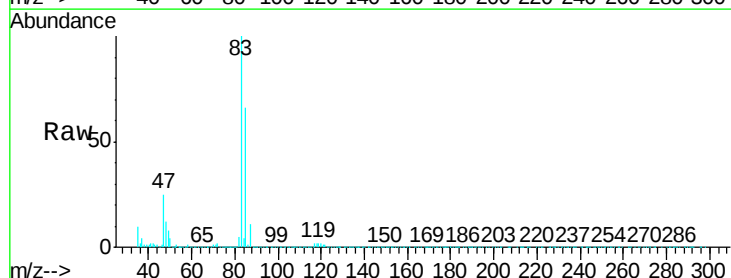
Acq: 21 Nov 2019 16:23

Tgt Ion: 83 Resp: 246013

Ion Ratio Lower Upper

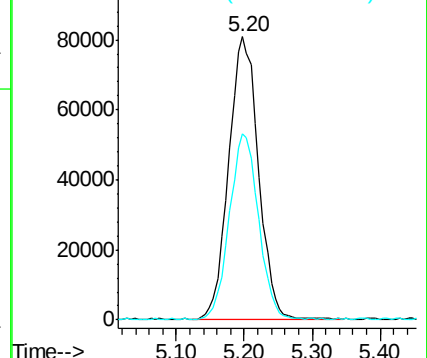
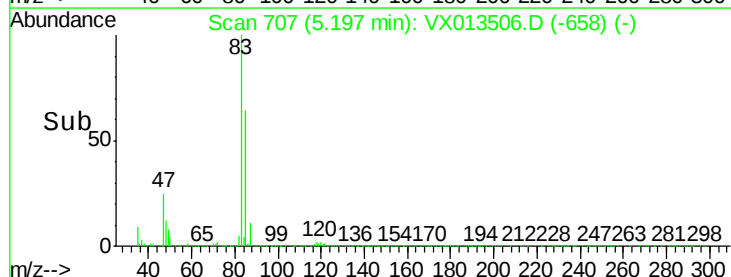
83 100

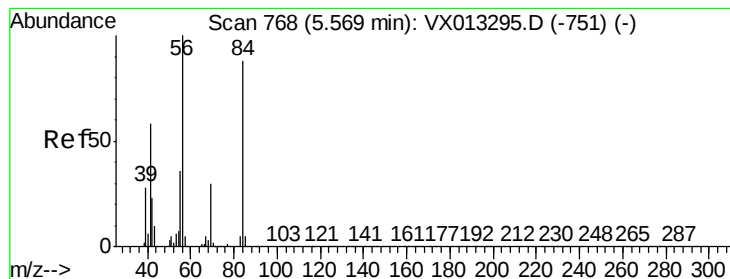
85 65.8 50.2 75.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 16.202 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

VX1121WBS03

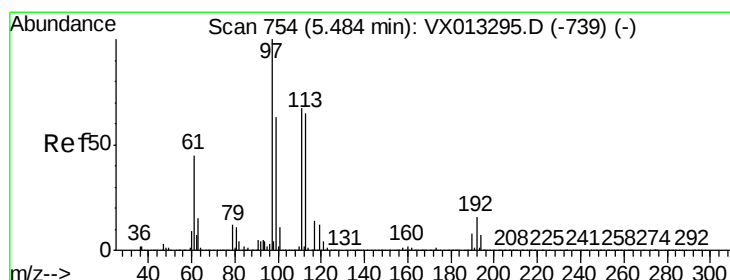
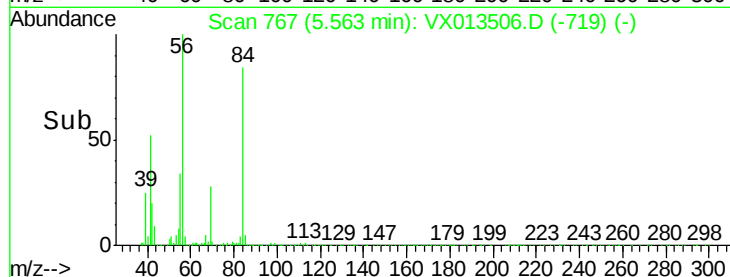
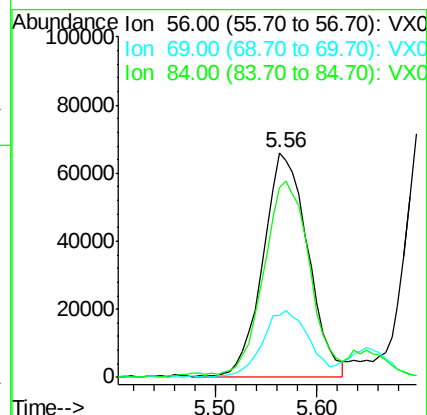
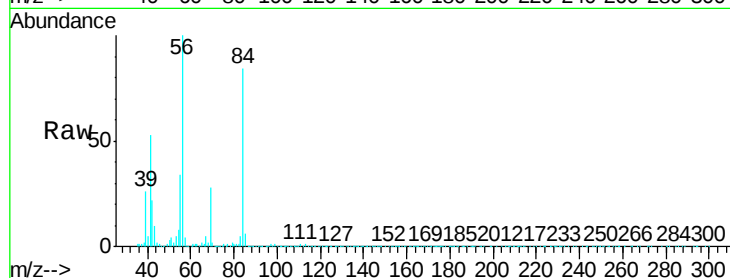
Tgt Ion: 56 Resp: 199886

Ion Ratio Lower Upper

56 100

69 27.3 23.7 35.5

84 83.0 70.6 105.8



#32

1,1,1-Trichloroethane

Concen: 17.059 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

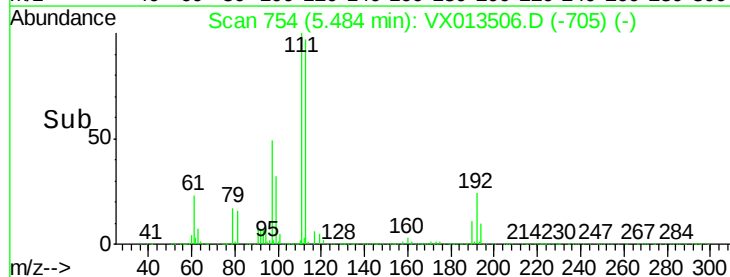
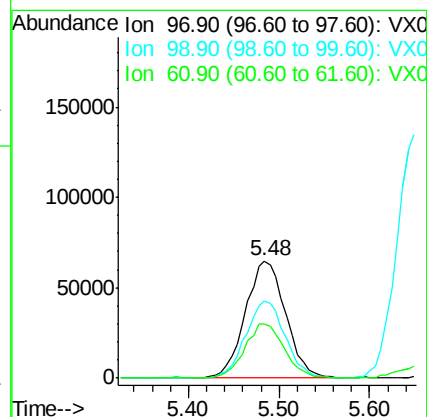
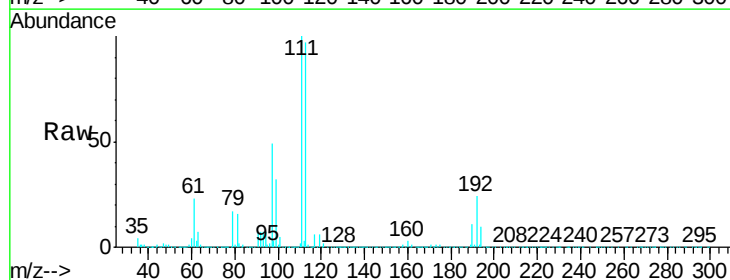
Tgt Ion: 97 Resp: 198755

Ion Ratio Lower Upper

97 100

99 64.6 51.1 76.7

61 44.9 36.5 54.7





#33

1,2-Dichloroethane-d4

Concen: 48.714 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

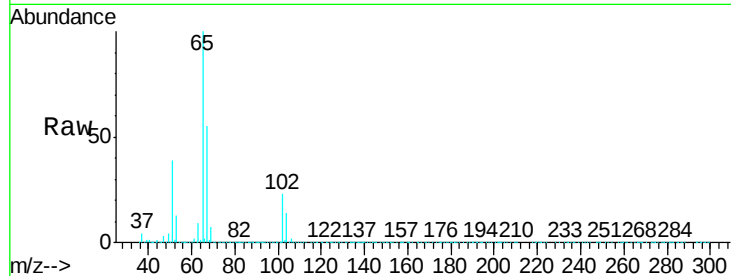
VX1121WBS03

Tgt Ion: 65 Resp: 439592

Ion Ratio Lower Upper

65 100

67 53.3 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

150000

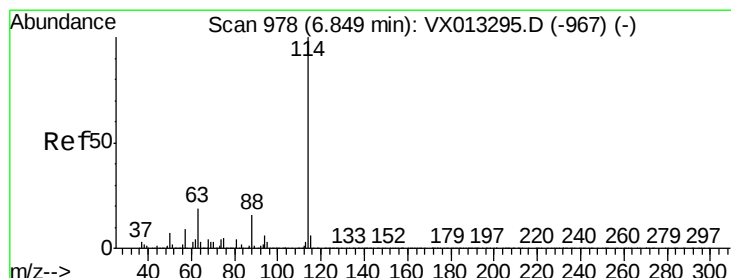
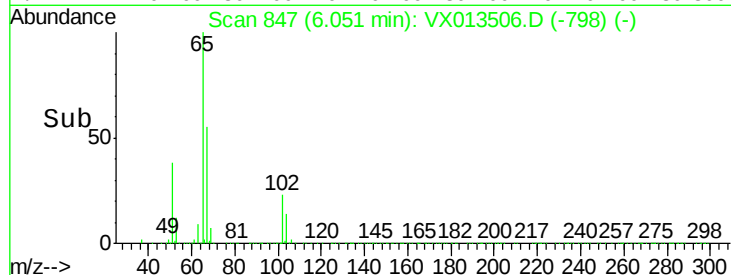
100000

50000

0

Time-->

6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

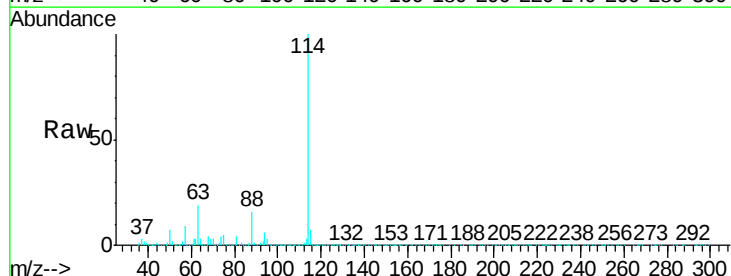
Tgt Ion: 114 Resp: 1134127

Ion Ratio Lower Upper

114 100

63 19.4 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

6.85

600000

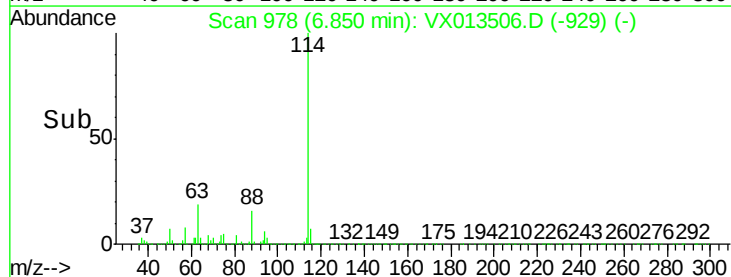
400000

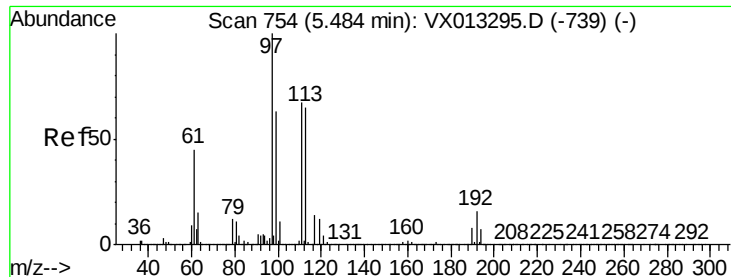
200000

0

Time-->

6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 51.422 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

VX1121WBS03

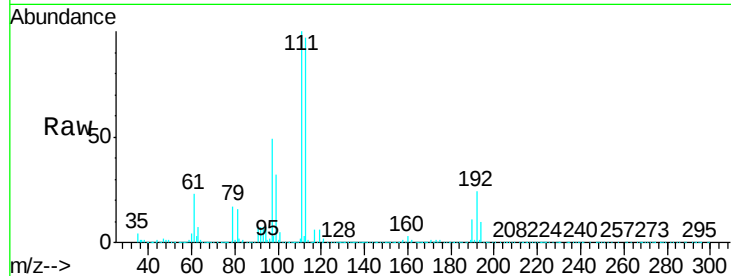
Tgt Ion:113 Resp: 365785

Ion Ratio Lower Upper

113 100

111 103.0 81.9 122.9

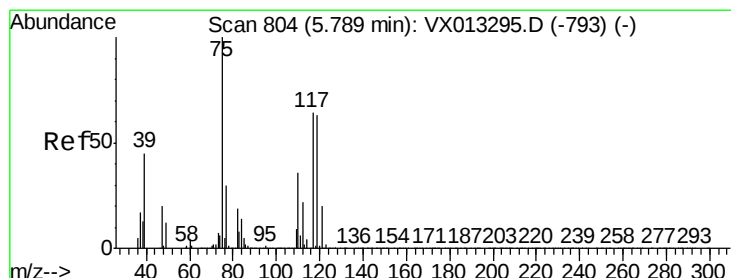
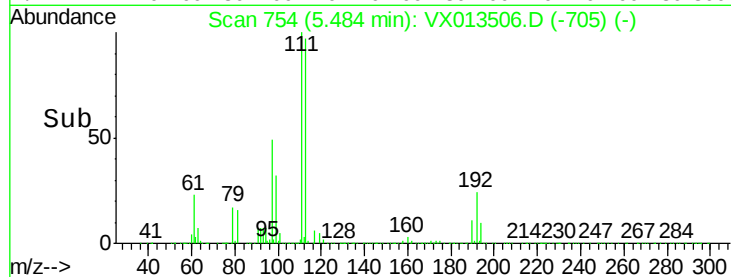
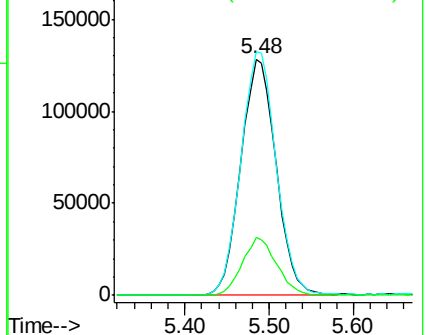
192 24.1 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.648 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

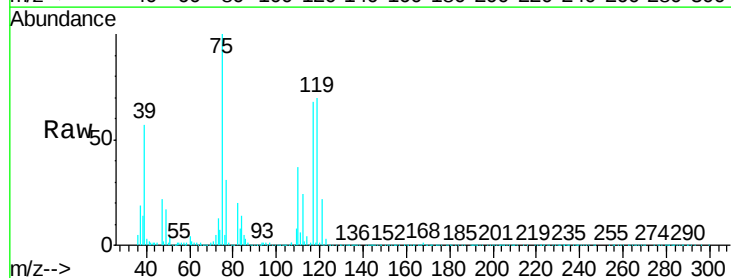
Tgt Ion: 75 Resp: 171701

Ion Ratio Lower Upper

75 100

110 36.1 18.1 54.1

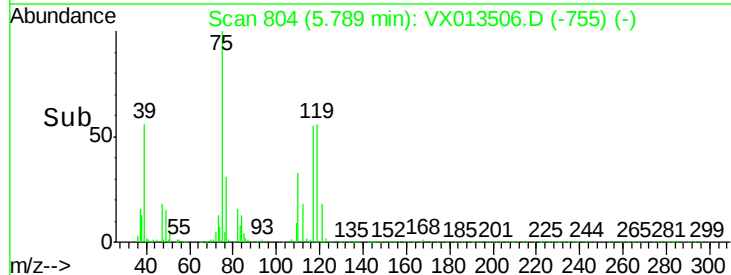
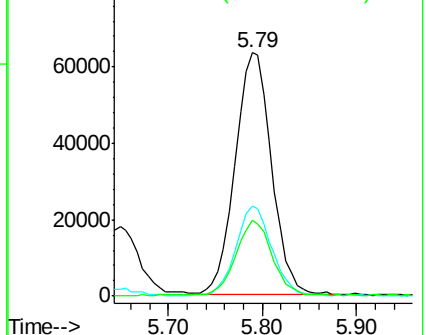
77 31.5 25.0 37.4

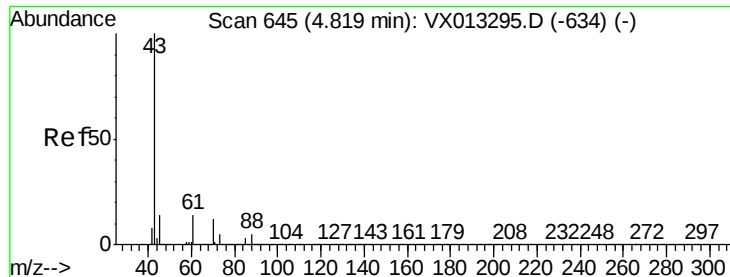


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

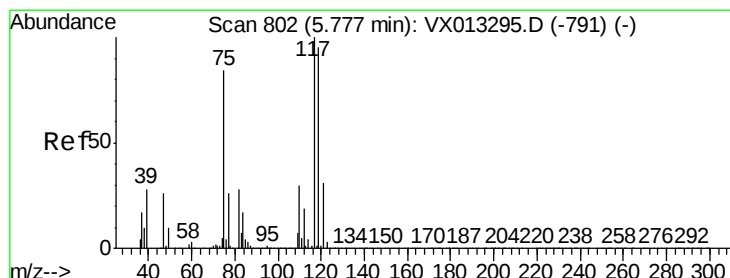
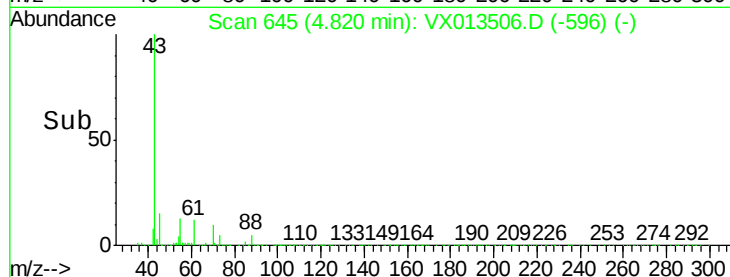
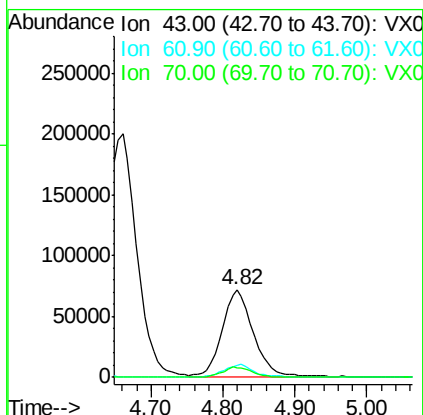
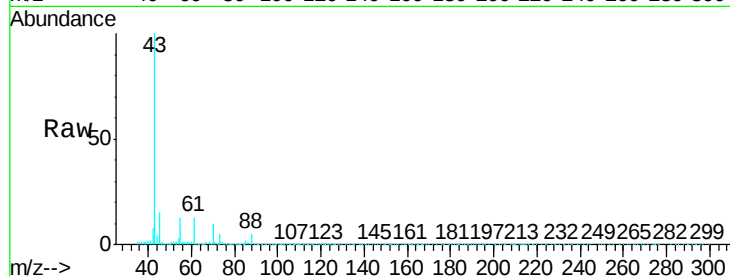




#37  
Ethyl Acetate  
Concen: 17.667 ug/l  
RT: 4.82 min Scan# 645  
Delta R.T. 0.00 min  
Lab File: VX013506.D  
Acq: 21 Nov 2019 16:23

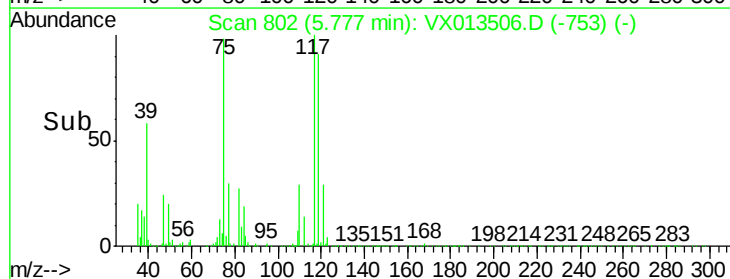
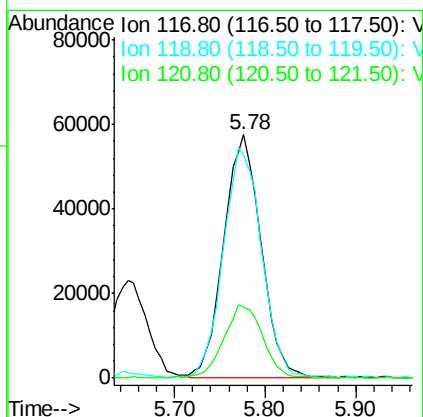
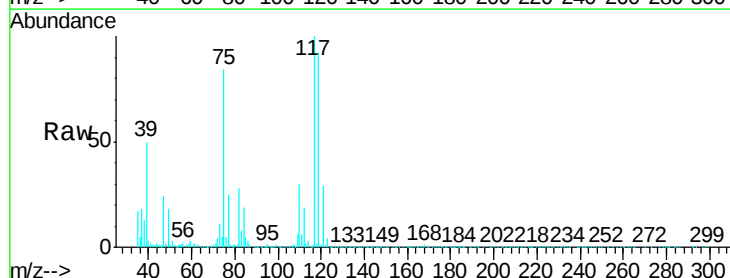
Instrument :  
MSVOA\_X  
ClientSampled :  
VX1121WBS03

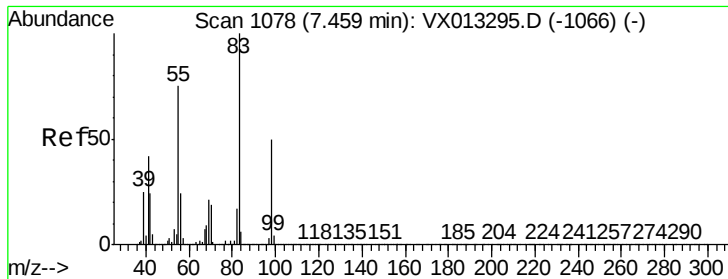
Tgt Ion: 43 Resp: 212400  
Ion Ratio Lower Upper  
43 100  
61 13.2 10.7 16.1  
70 10.8 8.7 13.1



#38  
Carbon Tetrachloride  
Concen: 17.251 ug/l  
RT: 5.78 min Scan# 802  
Delta R.T. 0.00 min  
Lab File: VX013506.D  
Acq: 21 Nov 2019 16:23

Tgt Ion: 117 Resp: 164127  
Ion Ratio Lower Upper  
117 100  
119 91.7 76.1 114.1  
121 29.0 24.6 37.0

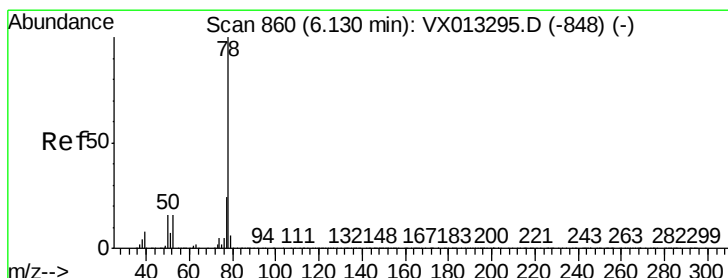
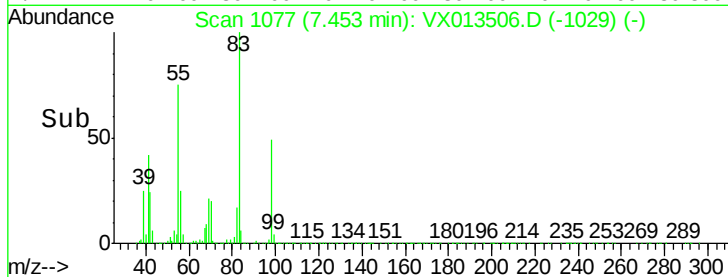
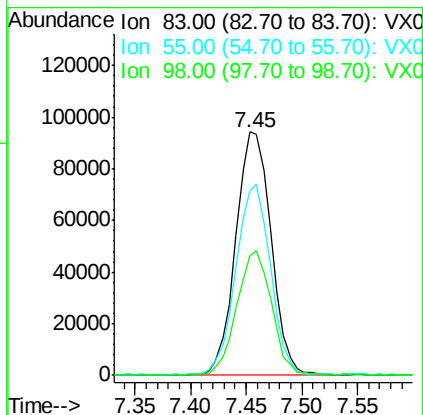
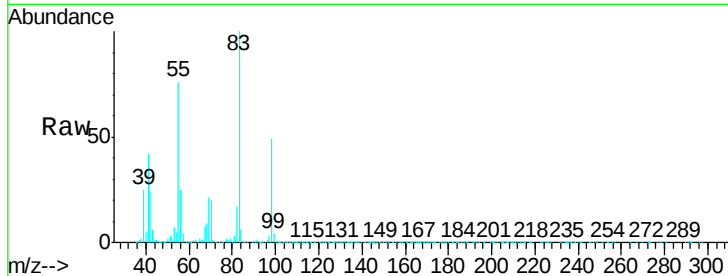




#39  
Methylcyclohexane  
Concen: 17.091 ug/l  
RT: 7.45 min Scan# 1077  
Delta R.T. -0.01 min  
Lab File: VX013506.D  
Acq: 21 Nov 2019 16:23

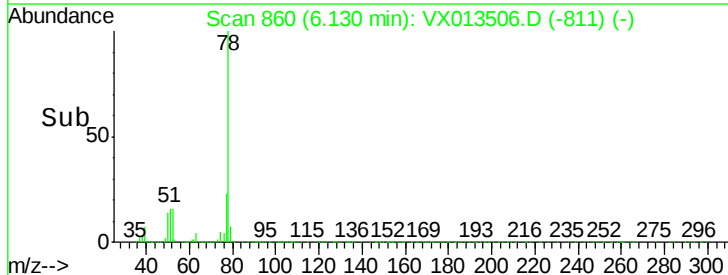
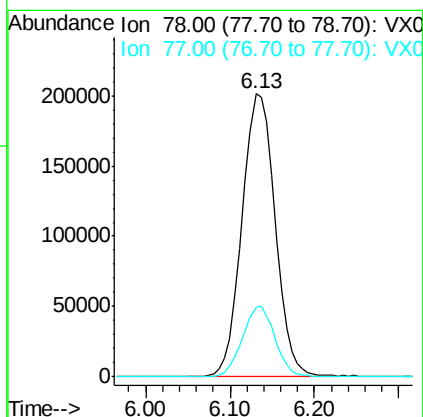
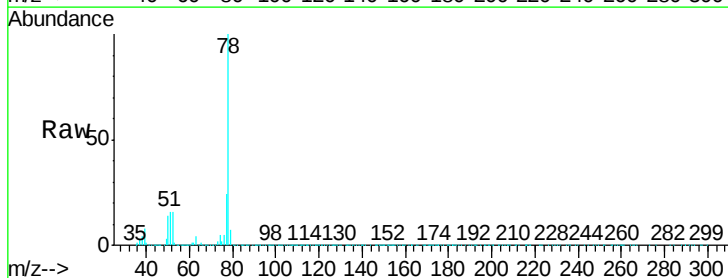
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1121WBS03

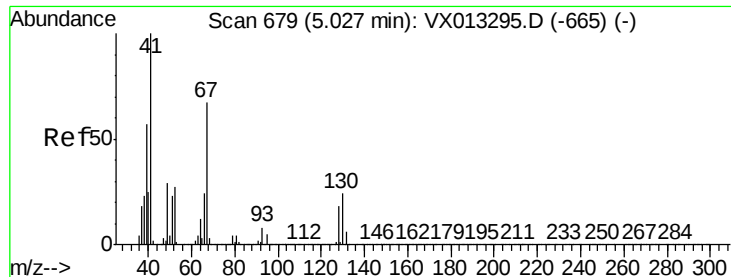
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 75.5  | 60.3  | 90.5  |
| 98      | 48.8  | 40.3  | 60.5  |



#40  
Benzene  
Concen: 17.679 ug/l  
RT: 6.13 min Scan# 860  
Delta R.T. 0.00 min  
Lab File: VX013506.D  
Acq: 21 Nov 2019 16:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.3  | 19.5  | 29.3  |





#41

Methacrylonitrile

Concen: 17.122 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

VX1121WBS03

Tgt Ion: 41 Resp: 115376

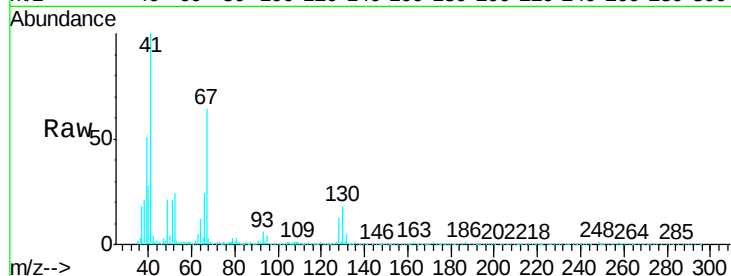
Ion Ratio Lower Upper

41 100

39 55.9 45.0 67.6

67 69.9 55.4 83.2

52 28.4 23.1 34.7

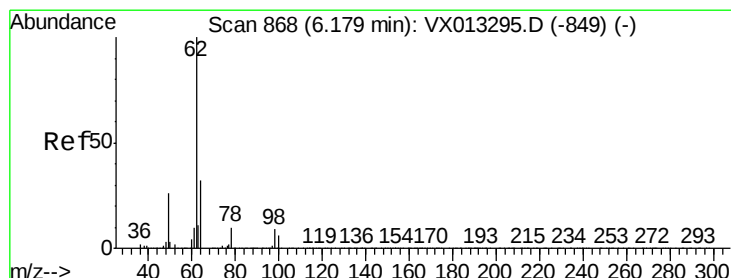
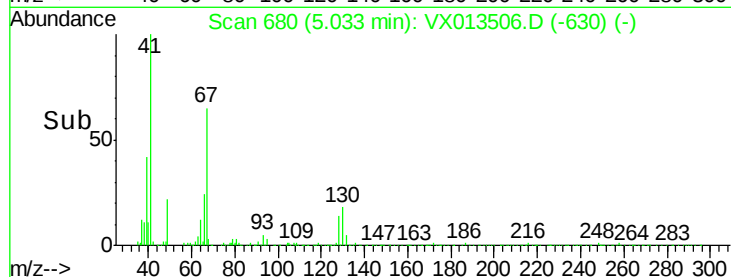
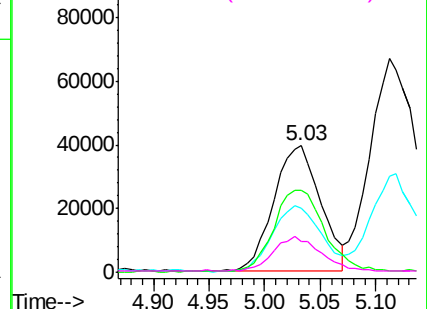


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 17.441 ug/l

RT: 6.18 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX013506.D

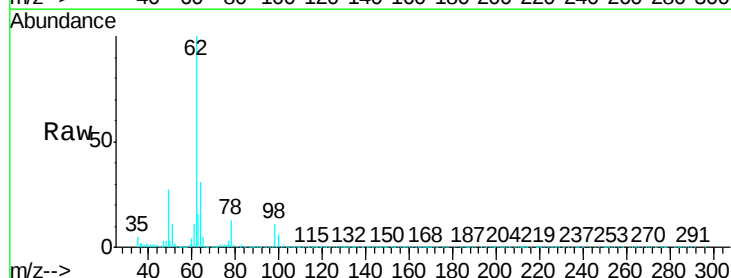
Acq: 21 Nov 2019 16:23

Tgt Ion: 62 Resp: 190661

Ion Ratio Lower Upper

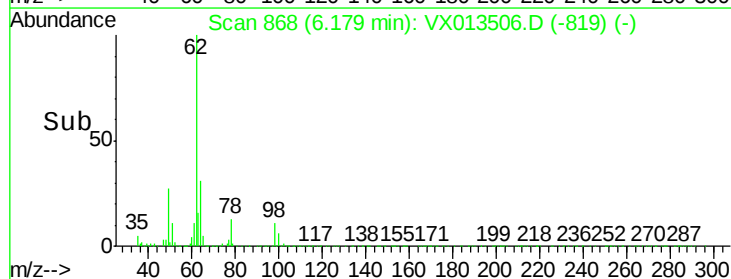
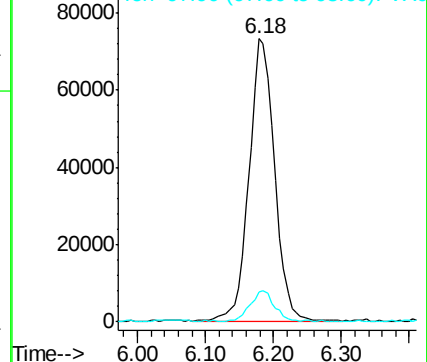
62 100

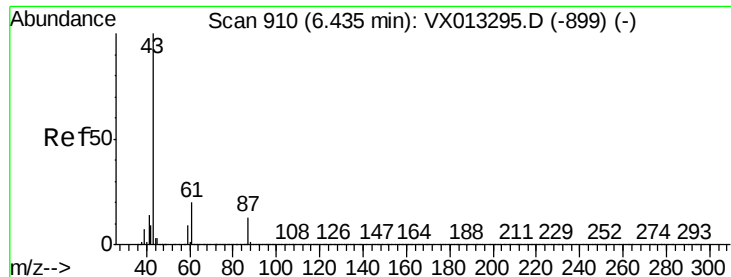
98 10.3 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 18.624 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

VX1121WBS03

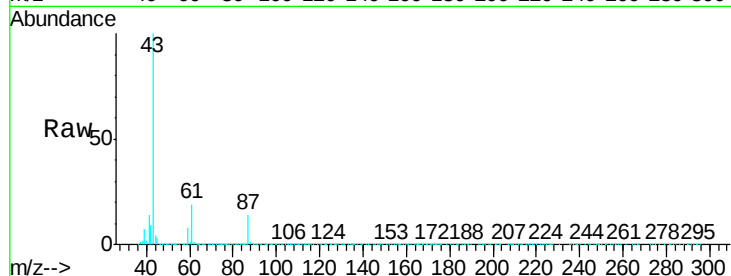
Tgt Ion: 43 Resp: 348648

Ion Ratio Lower Upper

43 100

61 19.5 15.8 23.8

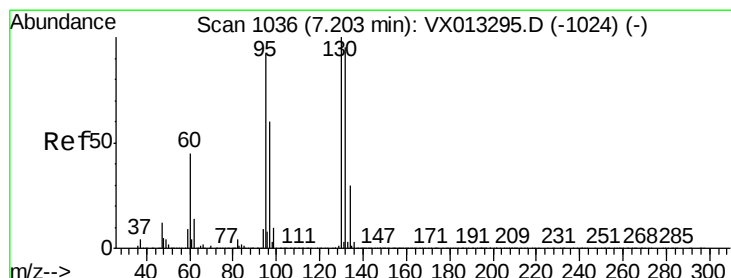
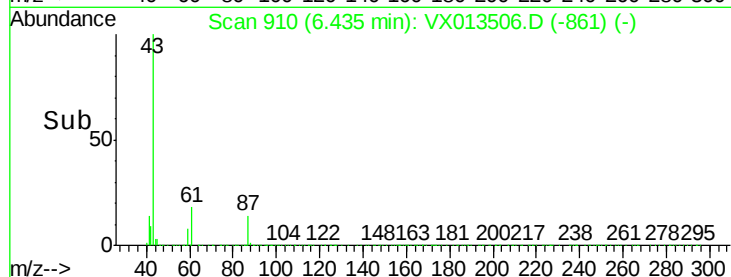
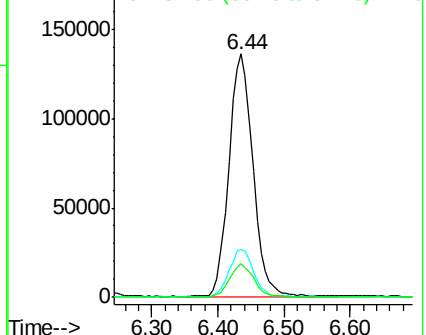
87 13.7 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 17.209 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013506.D

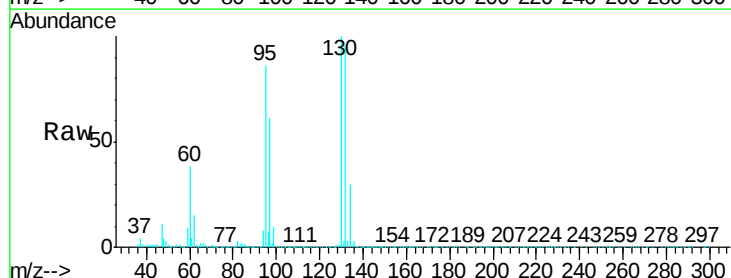
Acq: 21 Nov 2019 16:23

Tgt Ion: 130 Resp: 143565

Ion Ratio Lower Upper

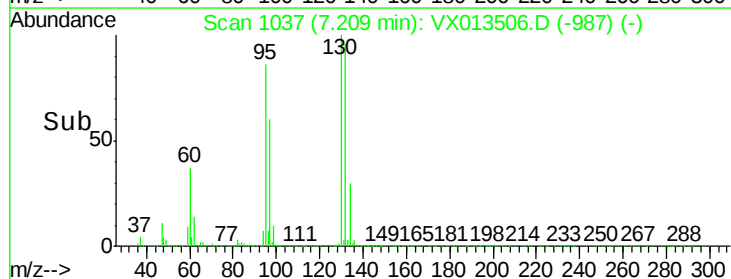
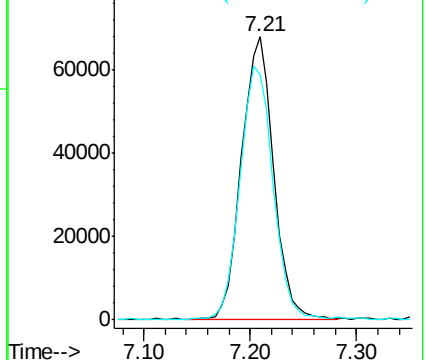
130 100

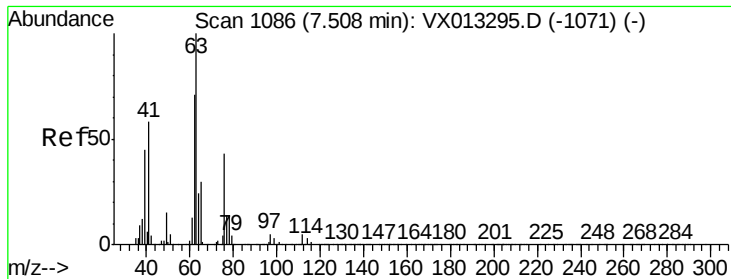
95 86.4 0.0 184.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 18.244 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

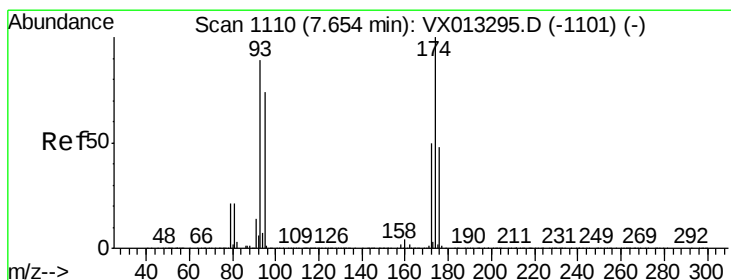
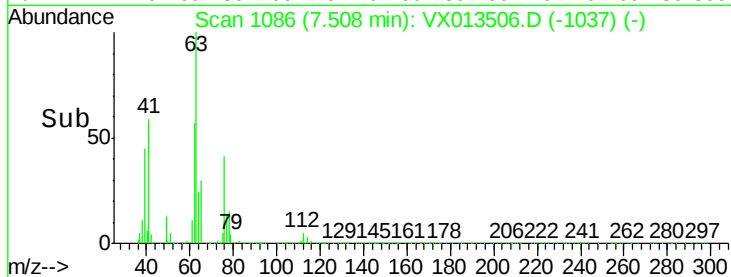
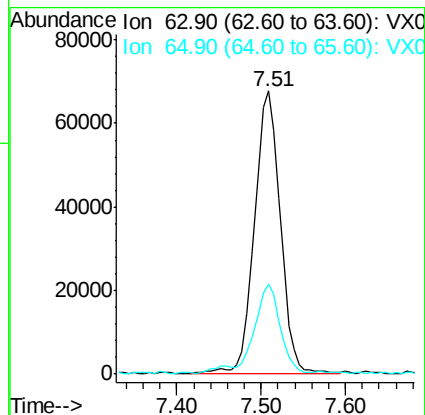
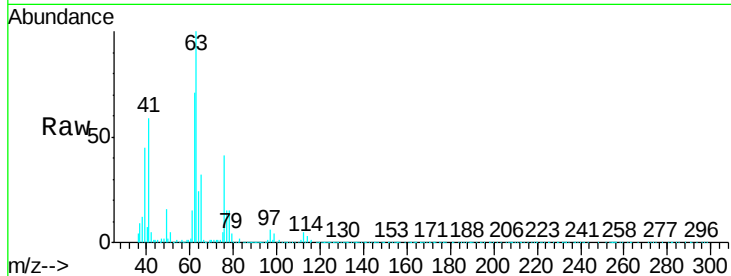
VX1121WBS03

Tgt Ion: 63 Resp: 140880

Ion Ratio Lower Upper

63 100

65 31.6 24.3 36.5



#46

Dibromomethane

Concen: 17.716 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

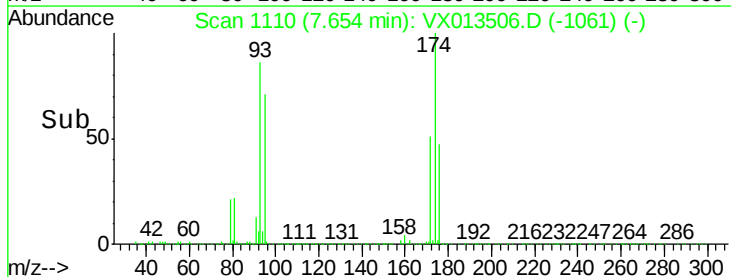
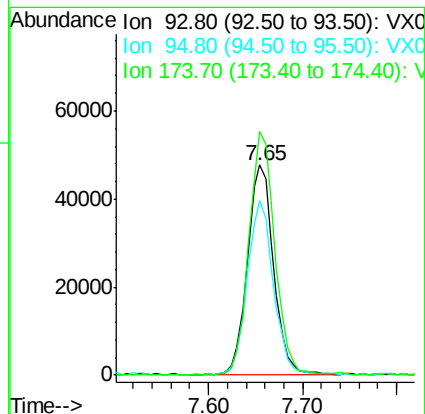
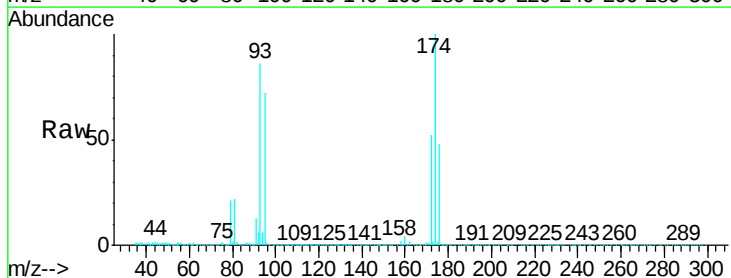
Tgt Ion: 93 Resp: 93406

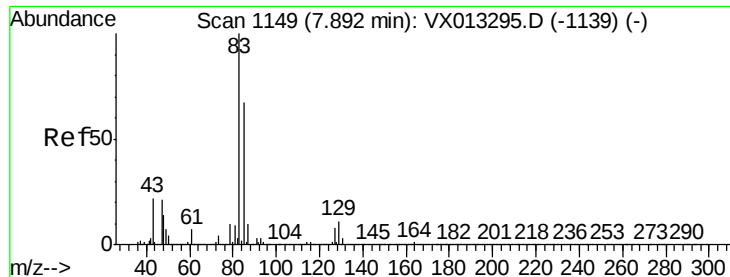
Ion Ratio Lower Upper

93 100

95 82.2 65.8 98.6

174 114.3 90.4 135.6





#47

Bromodichloromethane

Concen: 18.066 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

VX1121WBS03

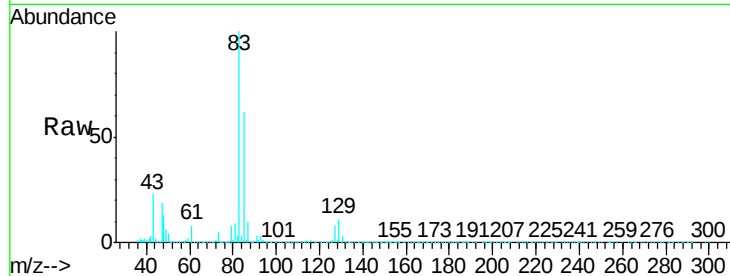
Tgt Ion: 83 Resp: 179613

Ion Ratio Lower Upper

83 100

85 61.6 53.7 80.5

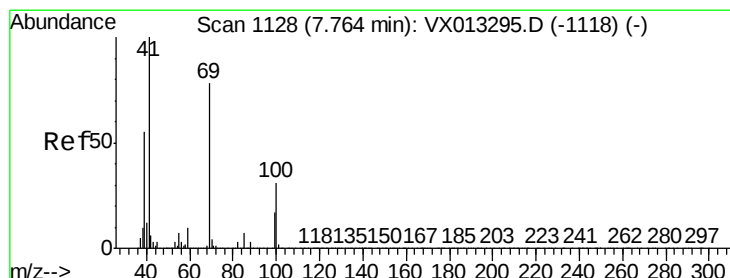
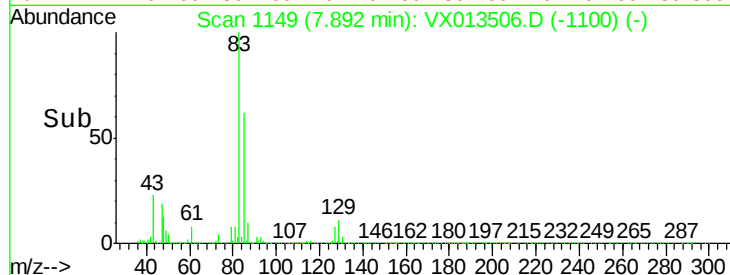
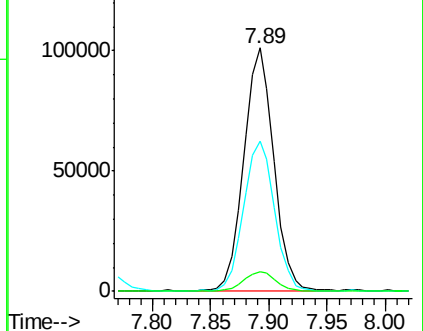
127 7.8 6.4 9.6



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: 17.968 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

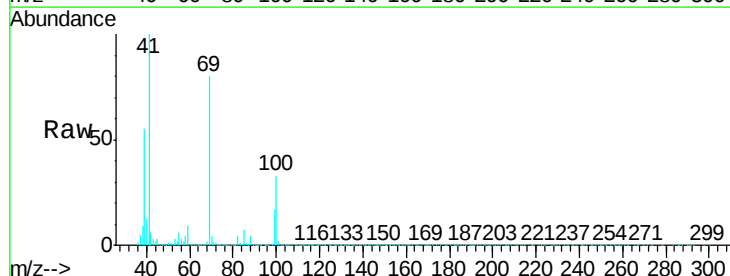
Tgt Ion: 41 Resp: 167912

Ion Ratio Lower Upper

41 100

69 81.6 63.0 94.6

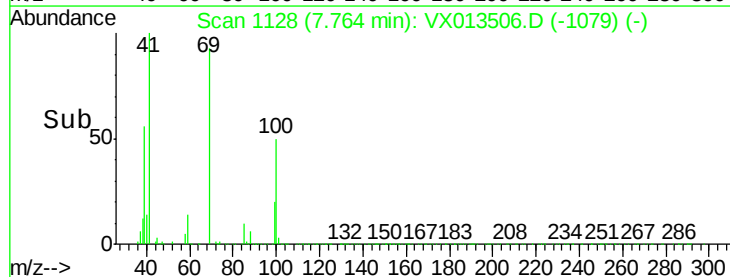
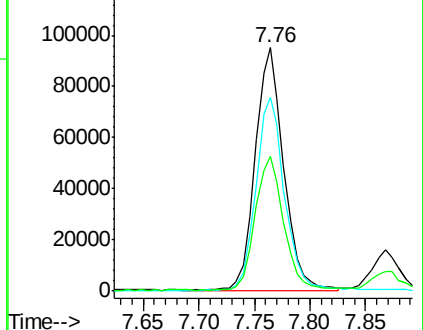
39 55.6 45.9 68.9

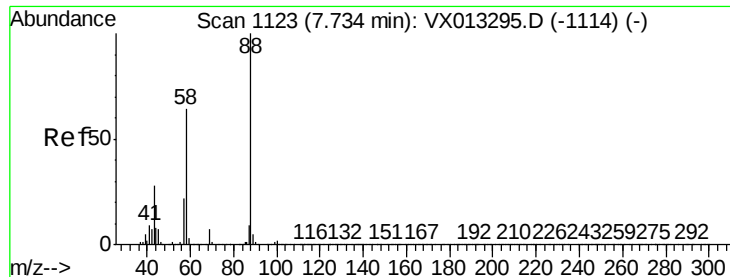


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 329.791 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

VX1121WBS03

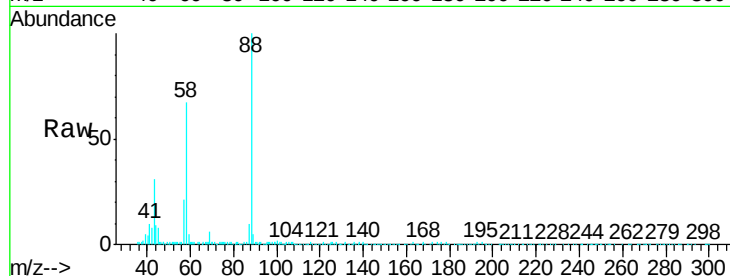
Tgt Ion: 88 Resp: 70579

Ion Ratio Lower Upper

88 100

43 33.9 26.6 39.8

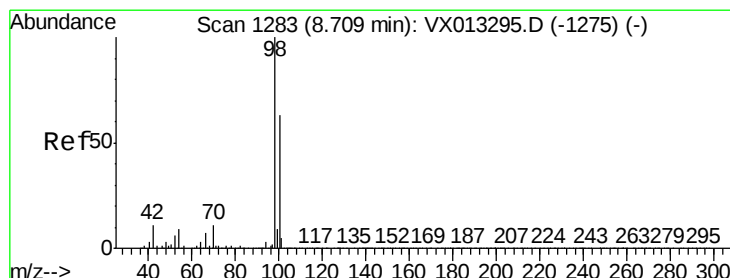
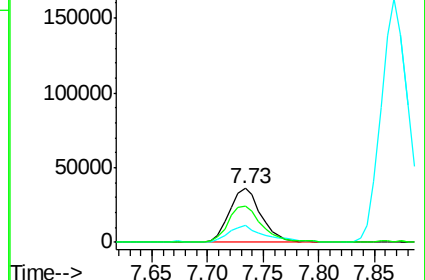
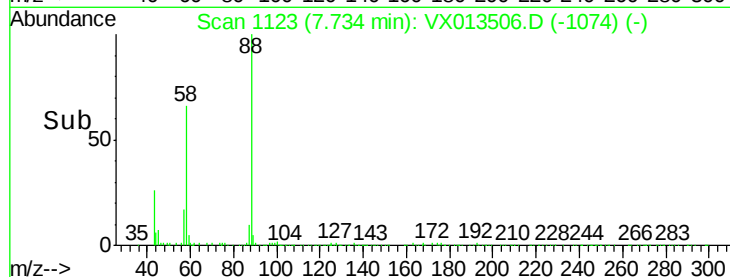
58 71.7 55.0 82.6



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 51.687 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013506.D

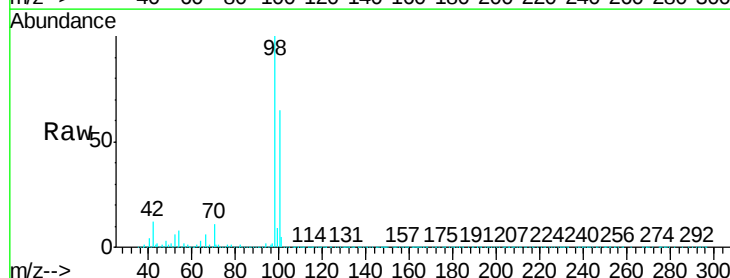
Acq: 21 Nov 2019 16:23

Tgt Ion: 98 Resp: 1386072

Ion Ratio Lower Upper

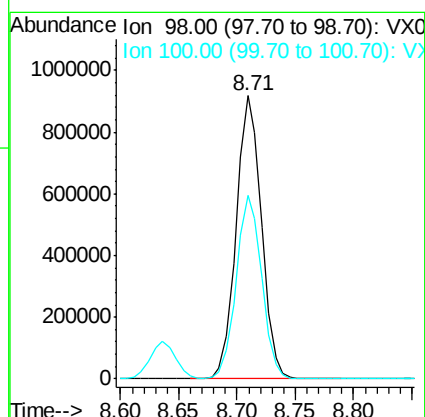
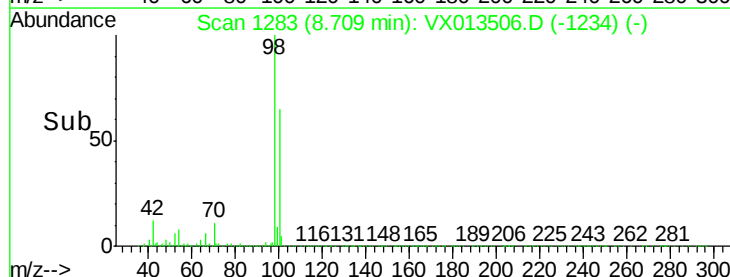
98 100

100 65.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

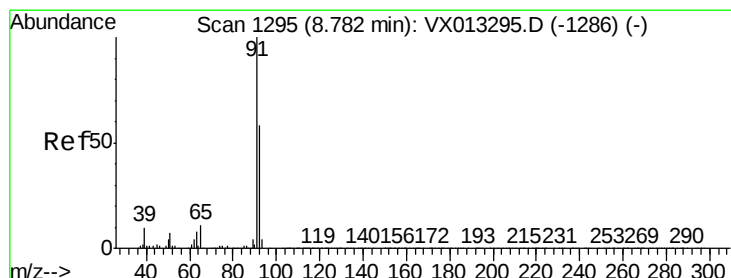
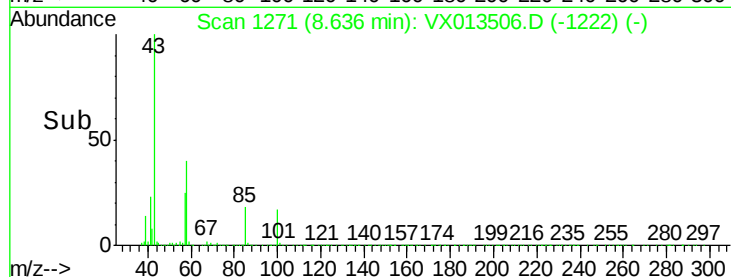
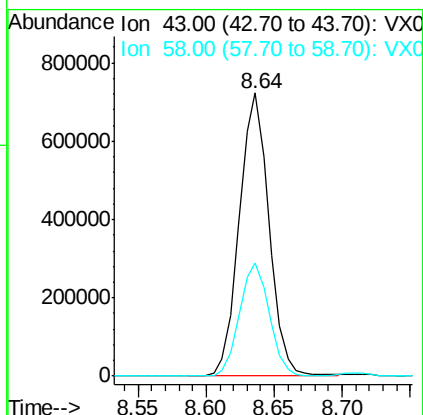
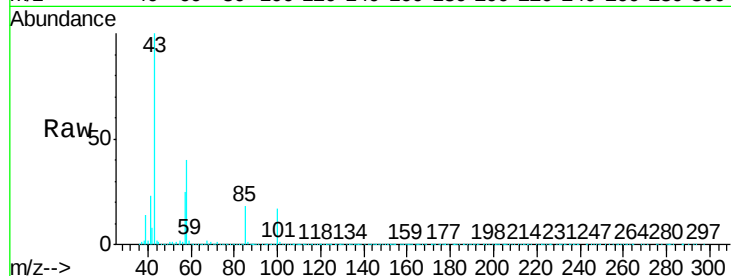




#51  
 4-Methyl-2-Pentanone  
 Concen: 89.697 ug/l  
 RT: 8.64 min Scan# 1271  
 Delta R.T. 0.00 min  
 Lab File: VX013506.D  
 Acq: 21 Nov 2019 16:23

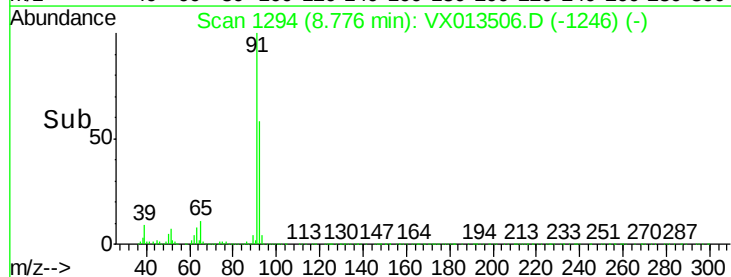
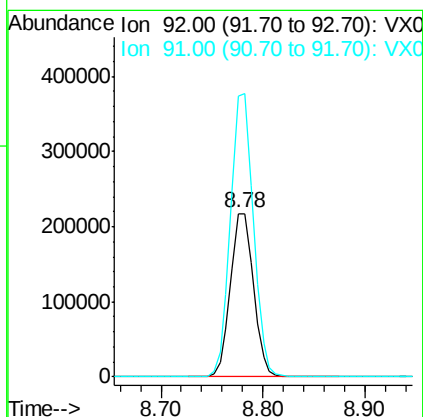
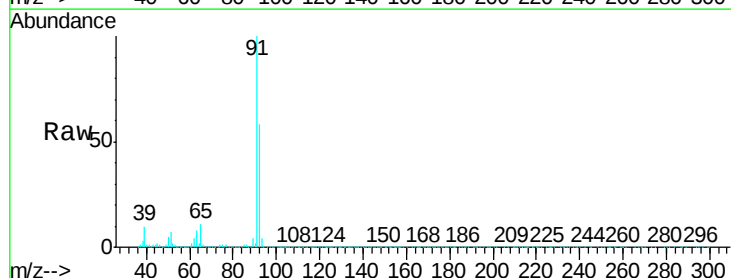
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1121WBS03

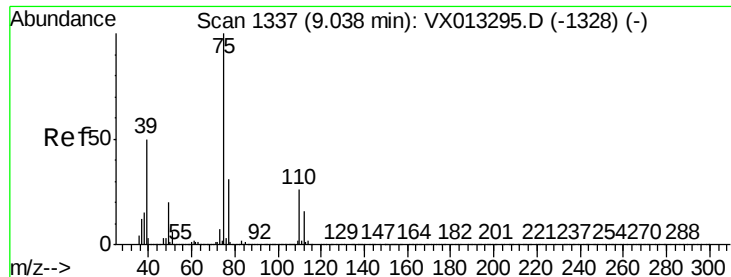
Tgt Ion: 43 Resp: 1101699  
 Ion Ratio Lower Upper  
 43 100  
 58 40.1 31.4 47.0



#52  
 Toluene  
 Concen: 18.091 ug/l  
 RT: 8.78 min Scan# 1294  
 Delta R.T. -0.01 min  
 Lab File: VX013506.D  
 Acq: 21 Nov 2019 16:23

Tgt Ion: 92 Resp: 339818  
 Ion Ratio Lower Upper  
 92 100  
 91 171.6 138.0 207.0

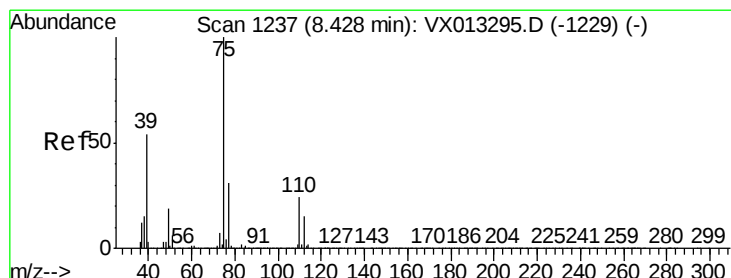
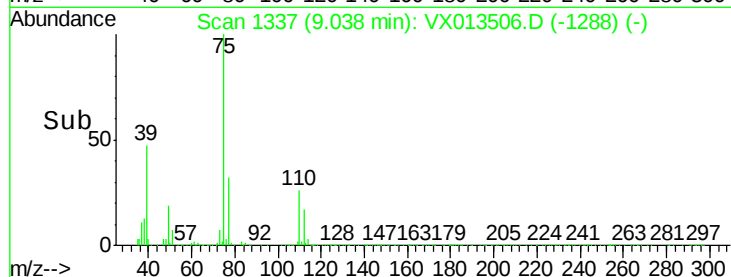
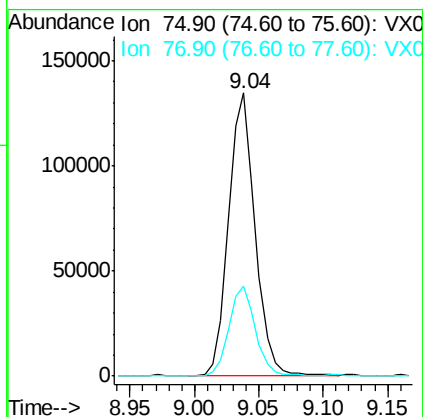
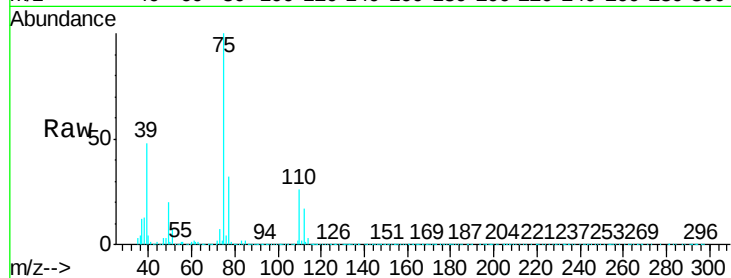




#53  
t-1,3-Dichloropropene  
Concen: 17.864 ug/l  
RT: 9.04 min Scan# 1337  
Delta R.T. 0.00 min  
Lab File: VX013506.D  
Acq: 21 Nov 2019 16:23

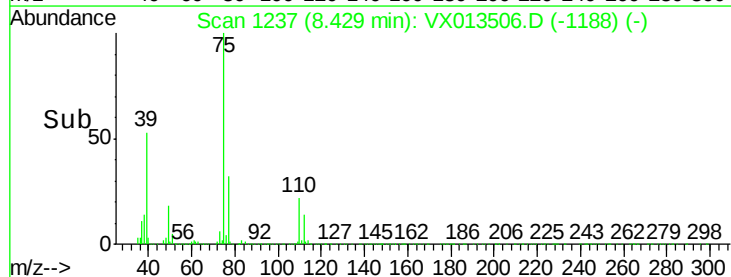
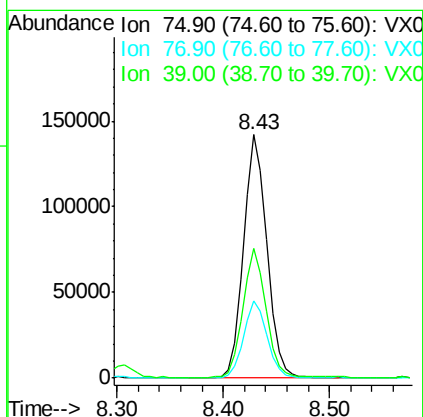
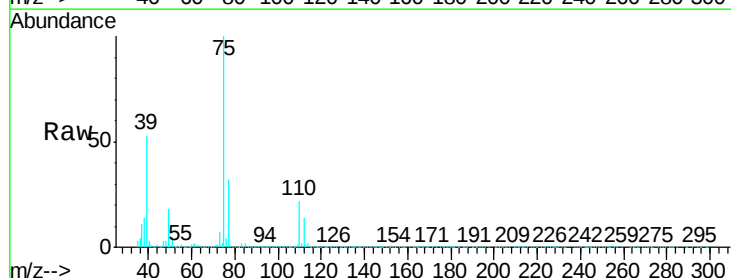
Instrument :  
MSVOA\_X  
ClientSampled :  
VX1121WBS03

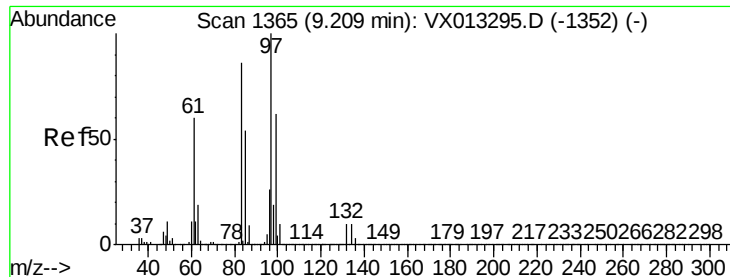
Tgt Ion: 75 Resp: 194212  
Ion Ratio Lower Upper  
75 100  
77 31.7 25.0 37.4



#54  
cis-1,3-Dichloropropene  
Concen: 18.117 ug/l  
RT: 8.43 min Scan# 1237  
Delta R.T. 0.00 min  
Lab File: VX013506.D  
Acq: 21 Nov 2019 16:23

Tgt Ion: 75 Resp: 220323  
Ion Ratio Lower Upper  
75 100  
77 31.5 24.7 37.1  
39 53.0 43.0 64.6





#55

1,1,2-Trichloroethane

Concen: 18.026 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

VX1121WBS03

Tgt Ion: 97 Resp: 140346

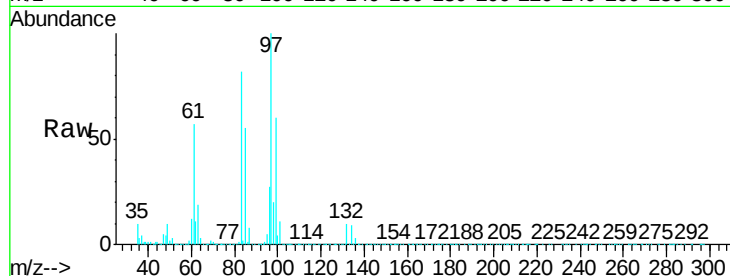
Ion Ratio Lower Upper

97 100

83 82.0 68.6 103.0

85 54.5 43.1 64.7

99 60.2 49.4 74.0



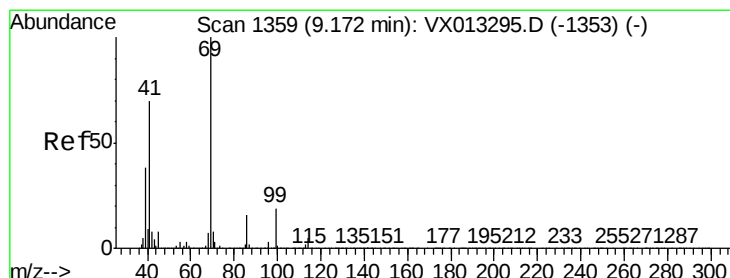
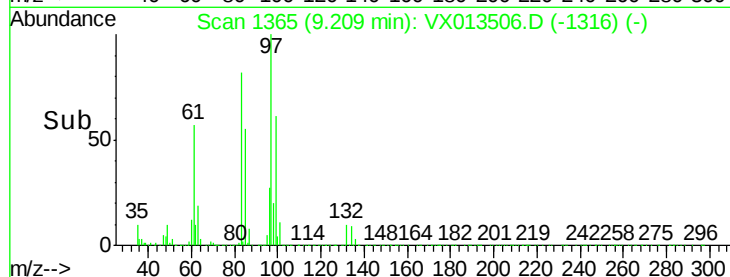
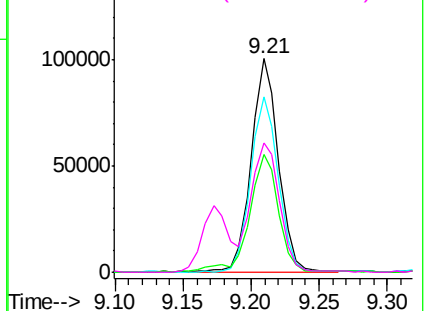
Abundance

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: 17.843 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

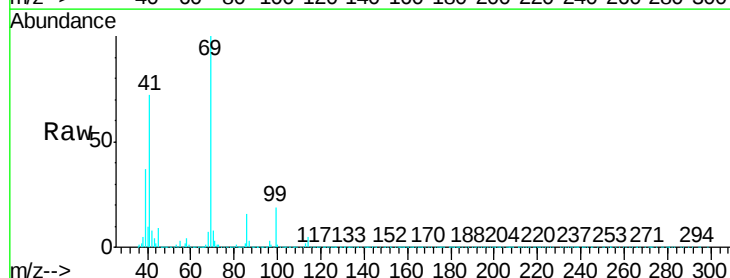
Tgt Ion: 69 Resp: 223370

Ion Ratio Lower Upper

69 100

41 70.2 56.2 84.2

39 37.4 31.1 46.7

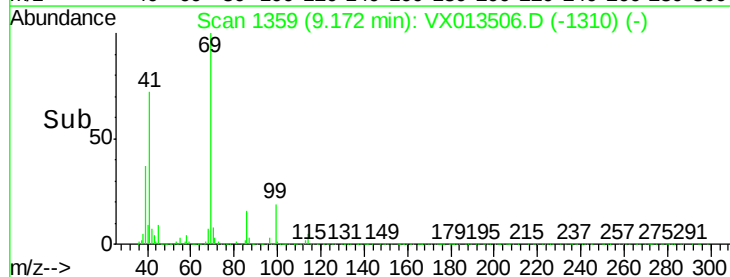
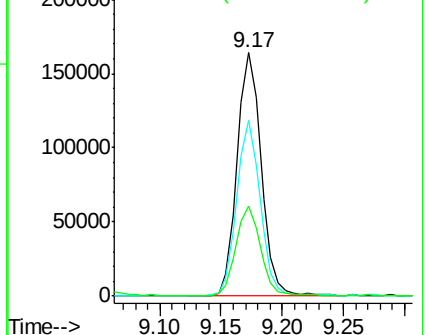


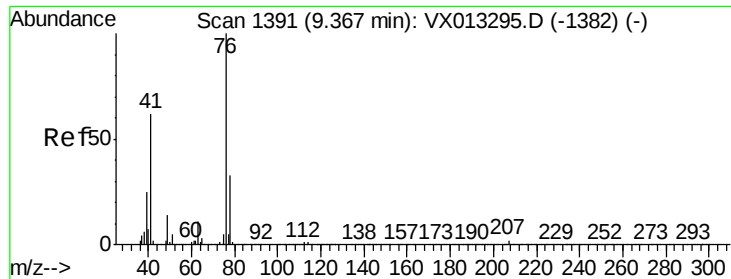
Abundance

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

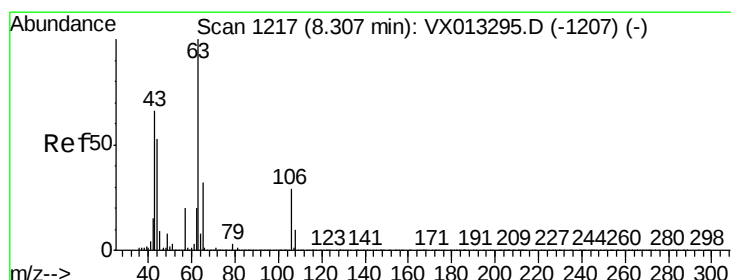
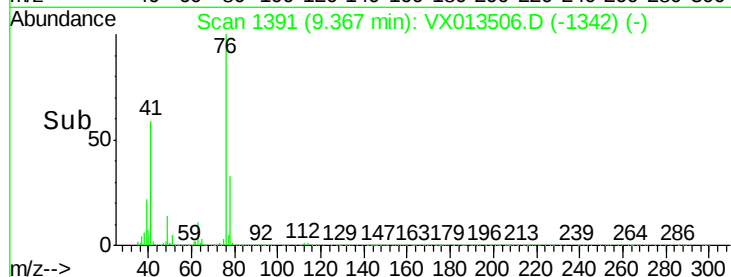
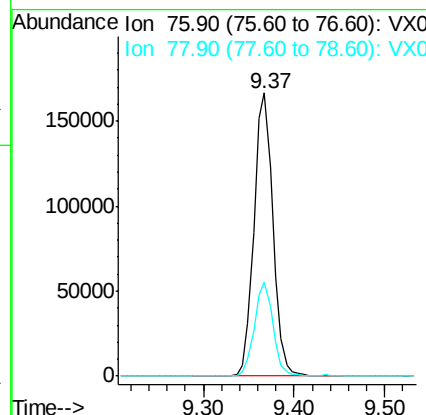
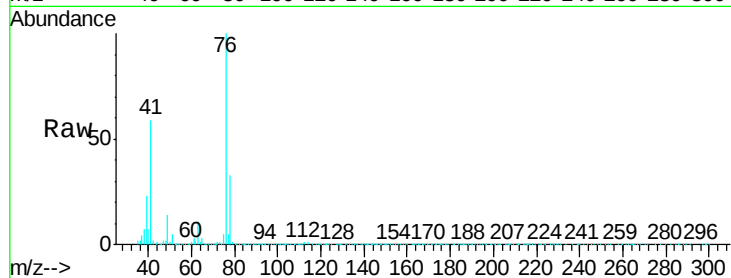




#57  
 1,3-Dichloropropane  
 Concen: 18.327 ug/l  
 RT: 9.37 min Scan# 1391  
 Delta R.T. 0.00 min  
 Lab File: VX013506.D  
 Acq: 21 Nov 2019 16:23

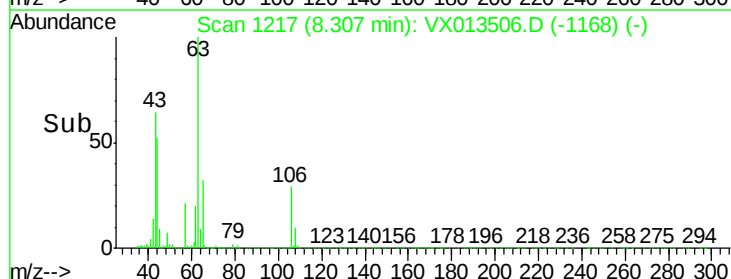
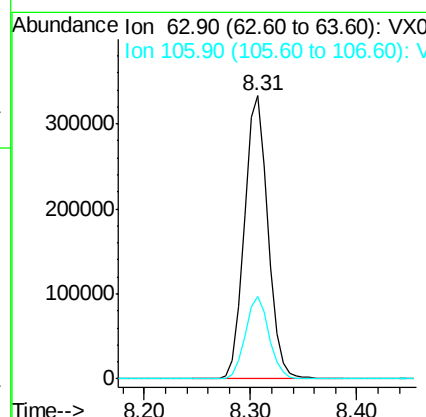
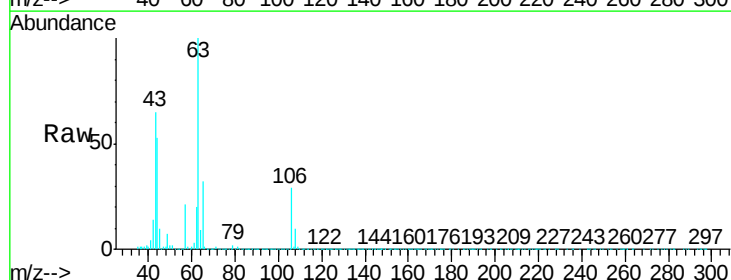
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1121WBS03

Tgt Ion: 76 Resp: 242224  
 Ion Ratio Lower Upper  
 76 100  
 78 32.0 25.8 38.6



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 97.226 ug/l  
 RT: 8.31 min Scan# 1217  
 Delta R.T. 0.00 min  
 Lab File: VX013506.D  
 Acq: 21 Nov 2019 16:23

Tgt Ion: 63 Resp: 517581  
 Ion Ratio Lower Upper  
 63 100  
 106 29.4 23.4 35.2

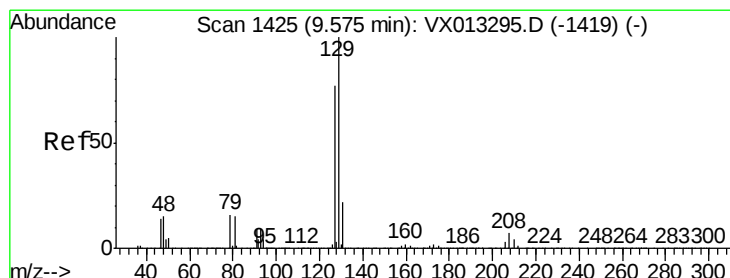
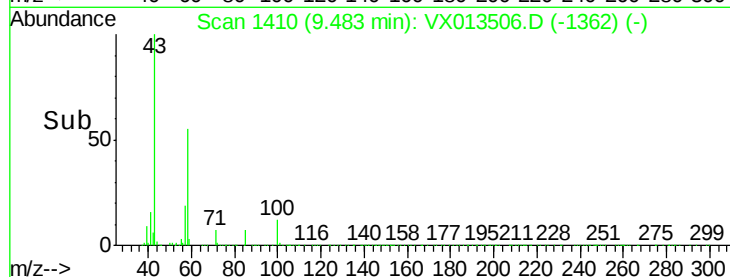
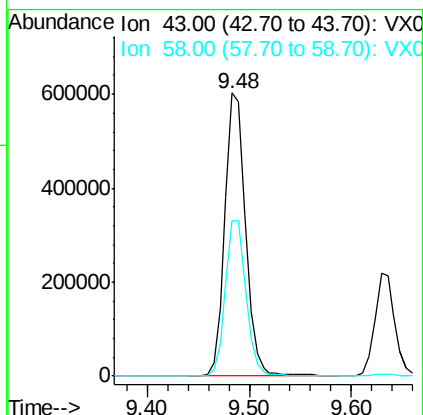
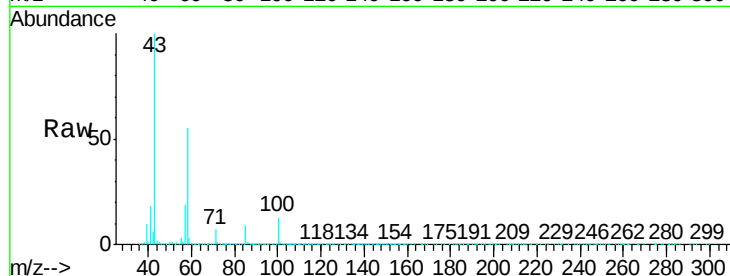




#59  
2-Hexanone  
Concen: 89.381 ug/l  
RT: 9.48 min Scan# 1410  
Delta R.T. -0.01 min  
Lab File: VX013506.D  
Acq: 21 Nov 2019 16:23

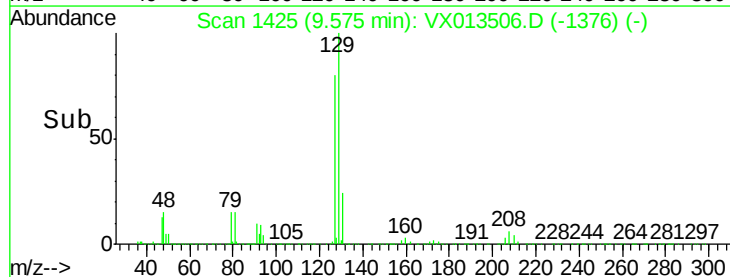
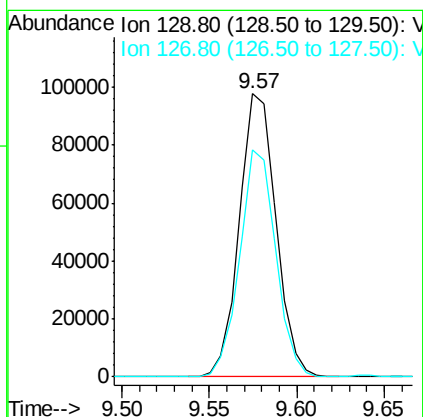
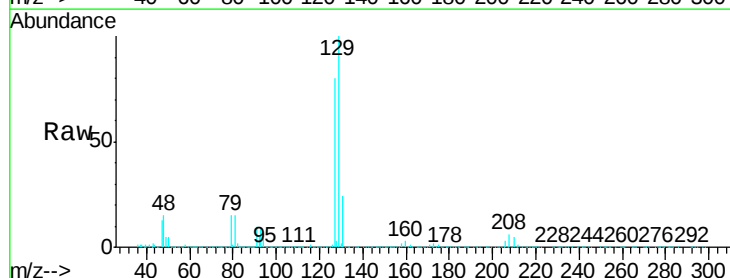
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1121WBS03

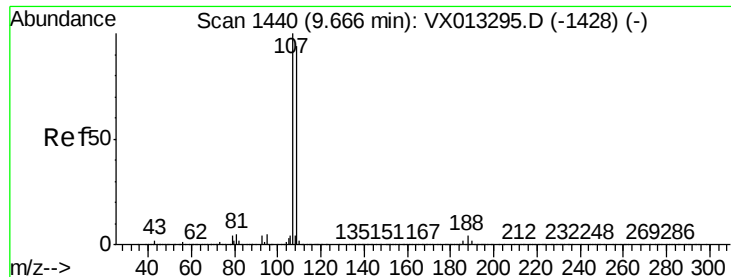
Tgt Ion: 43 Resp: 848368  
Ion Ratio Lower Upper  
43 100  
58 55.6 27.3 81.8



#60  
Dibromochloromethane  
Concen: 17.877 ug/l  
RT: 9.57 min Scan# 1425  
Delta R.T. 0.00 min  
Lab File: VX013506.D  
Acq: 21 Nov 2019 16:23

Tgt Ion: 129 Resp: 142353  
Ion Ratio Lower Upper  
129 100  
127 78.6 39.1 117.2





#61

1,2-Dibromoethane

Concen: 18.107 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

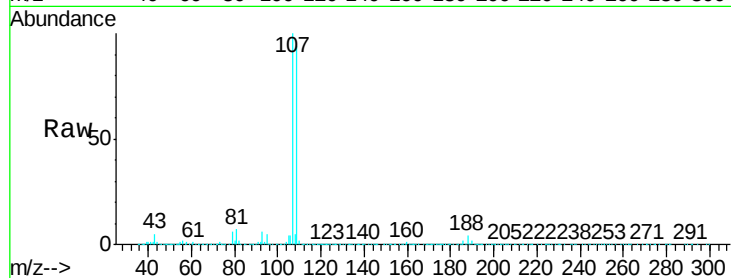
VX1121WBS03

Tgt Ion: 107 Resp: 149697

Ion Ratio Lower Upper

107 100

109 93.4 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

120000

100000

80000

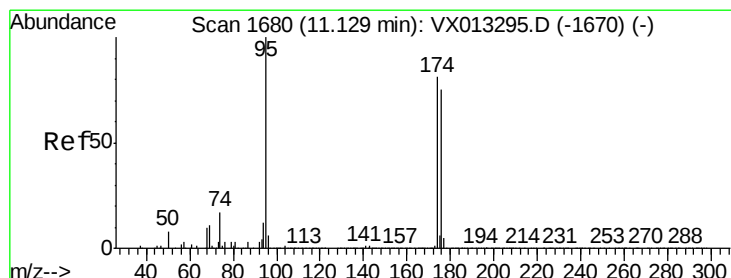
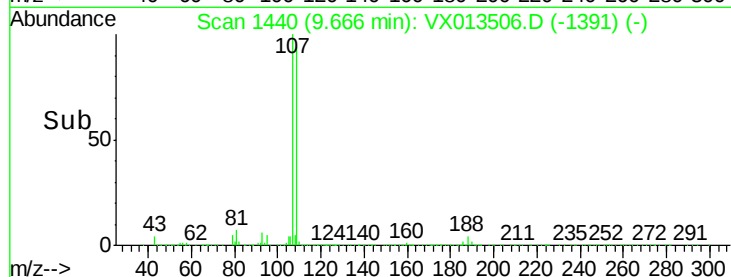
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.311 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

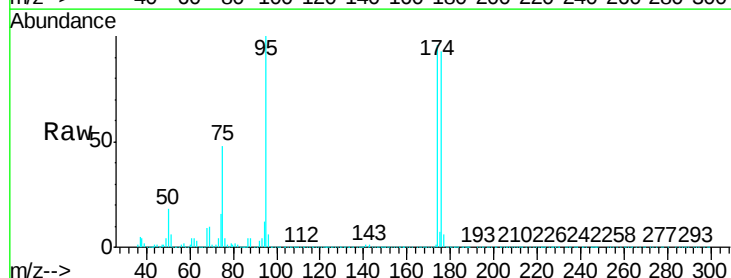
Tgt Ion: 95 Resp: 496605

Ion Ratio Lower Upper

95 100

174 90.2 0.0 179.8

176 88.7 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

11.14

500000

400000

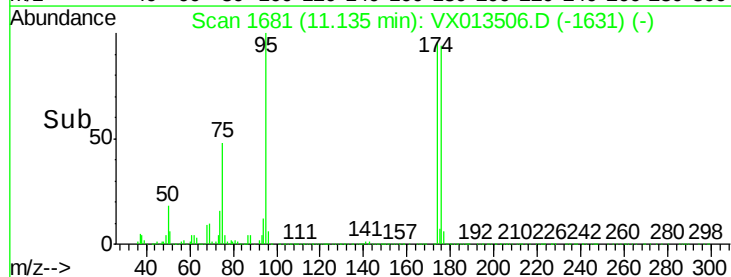
300000

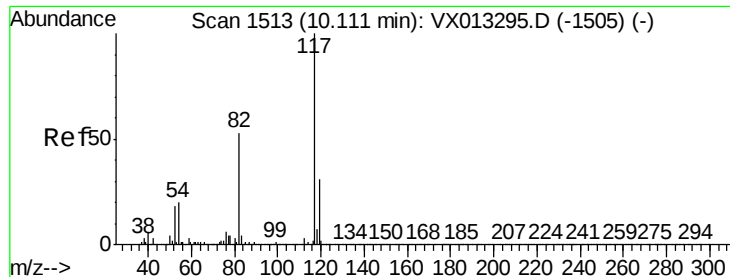
200000

100000

0

Time-->

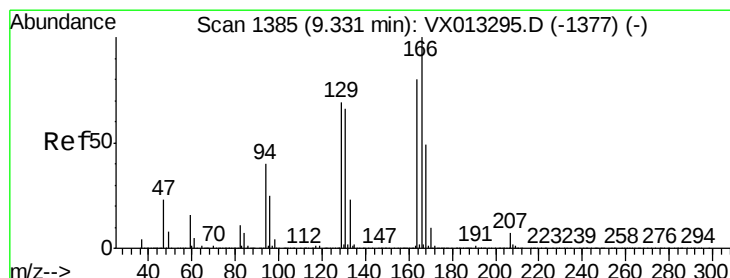
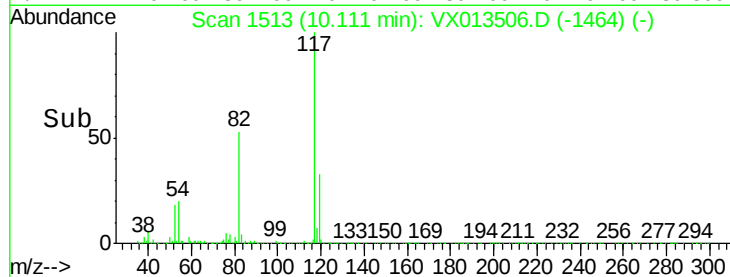
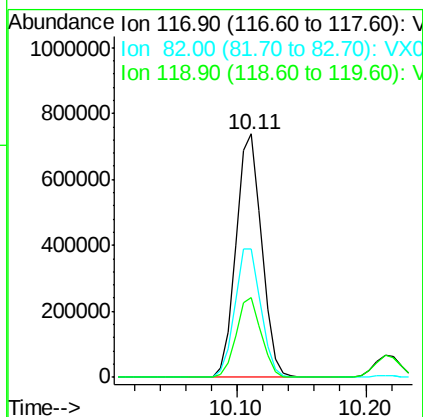
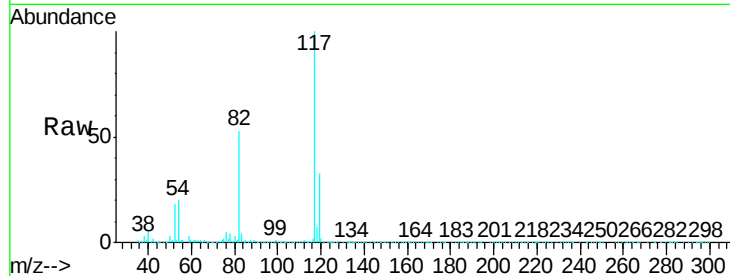




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VX013506.D  
Acq: 21 Nov 2019 16:23

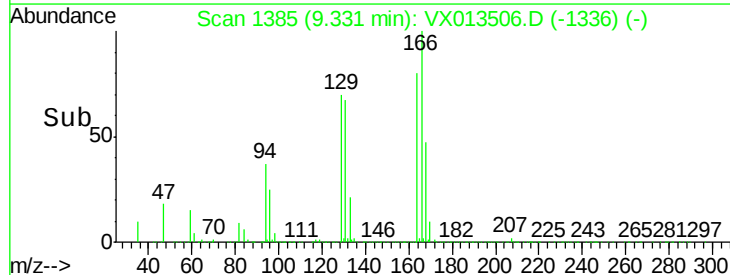
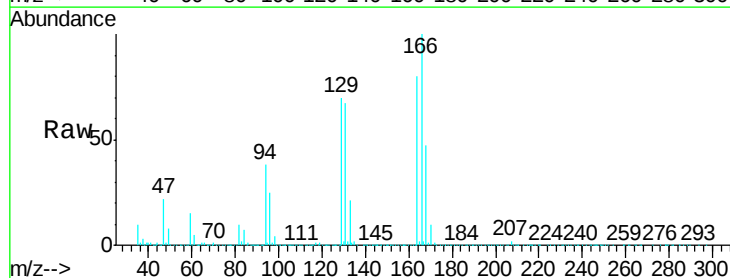
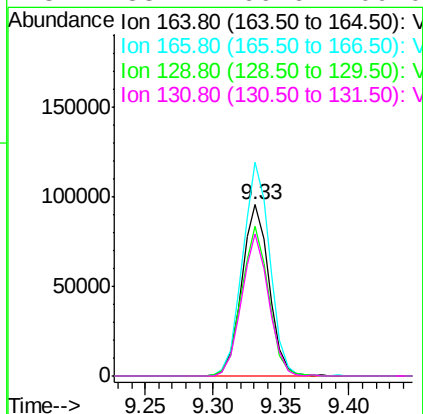
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1121WBS03

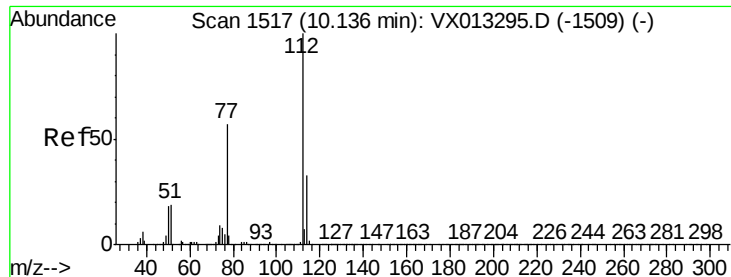
Tgt Ion:117 Resp: 1017274  
Ion Ratio Lower Upper  
117 100  
82 52.9 42.6 64.0  
119 32.6 24.8 37.2



#64  
Tetrachloroethene  
Concen: 18.352 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VX013506.D  
Acq: 21 Nov 2019 16:23

Tgt Ion:164 Resp: 133646  
Ion Ratio Lower Upper  
164 100  
166 124.5 100.4 150.6  
129 87.0 69.4 104.2  
131 83.1 66.6 100.0





#65

Chlorobenzene

Concen: 17.764 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

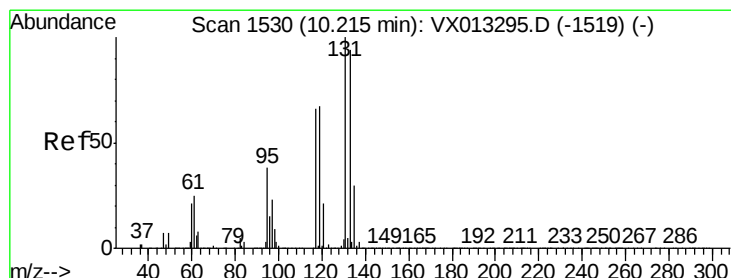
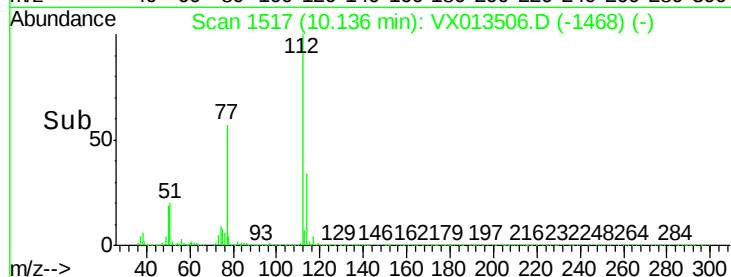
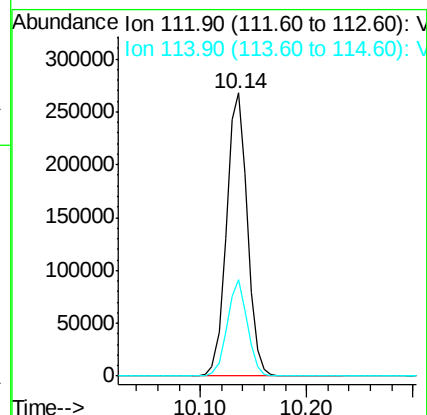
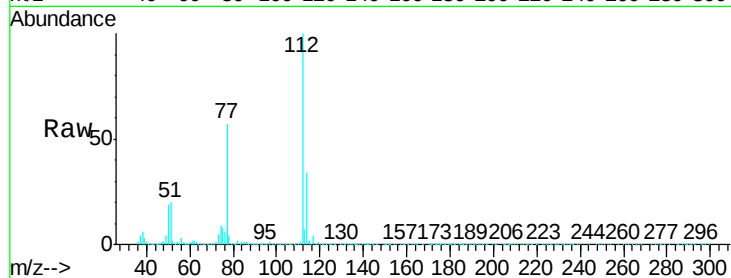
VX1121WBS03

Tgt Ion:112 Resp: 365854

Ion Ratio Lower Upper

112 100

114 34.2 26.4 39.6



#66

1,1,1,2-Tetrachloroethane

Concen: 18.184 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

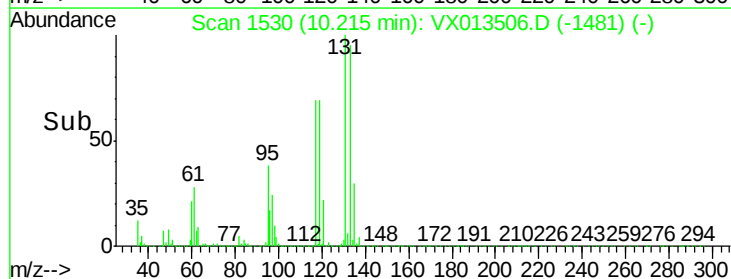
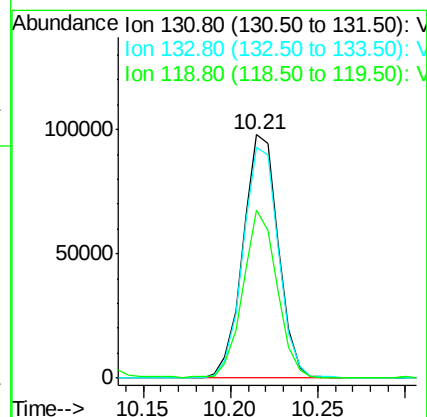
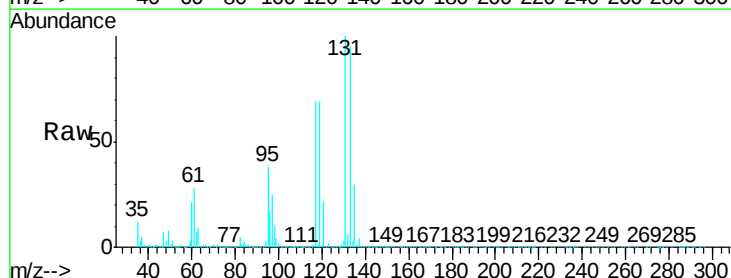
Tgt Ion:131 Resp: 137505

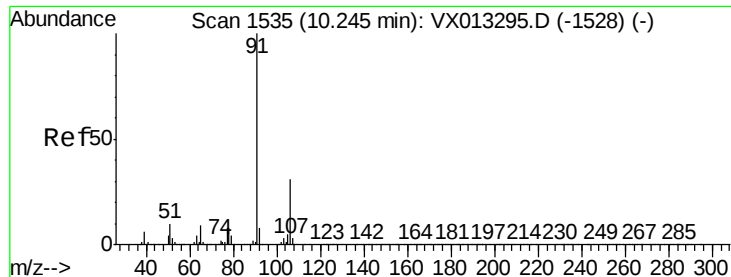
Ion Ratio Lower Upper

131 100

133 95.2 48.0 144.0

119 65.5 33.0 99.0





#67

Ethyl Benzene

Concen: 18.182 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

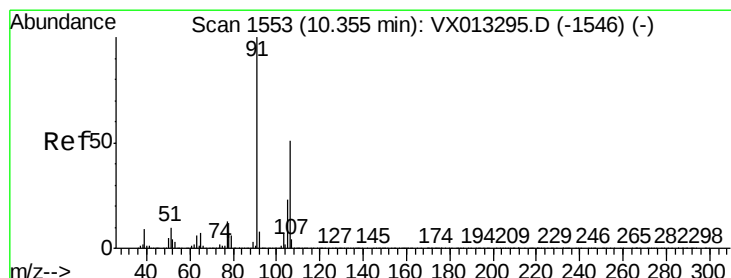
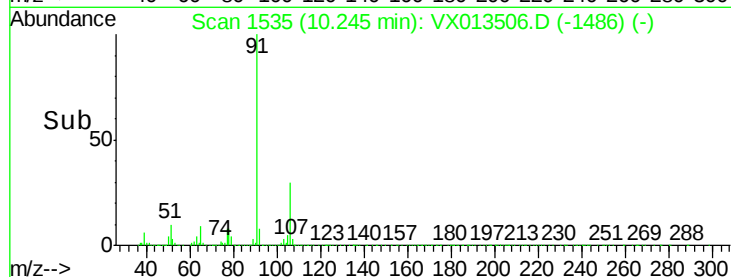
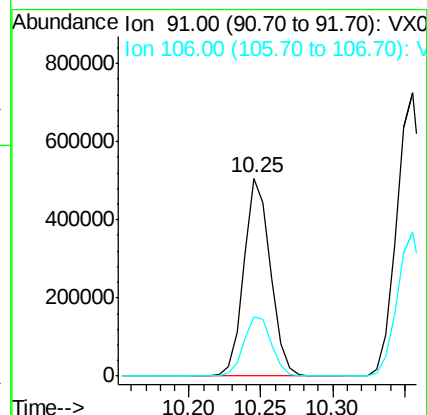
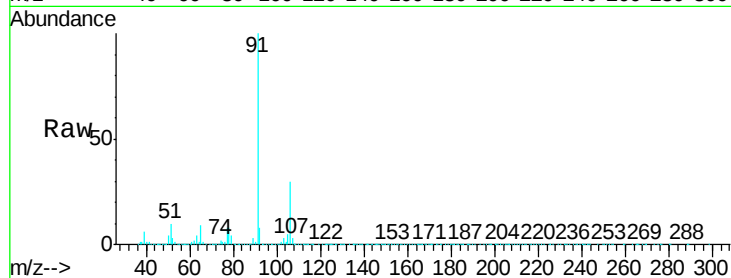
VX1121WBS03

Tgt Ion: 91 Resp: 646292

Ion Ratio Lower Upper

91 100

106 30.3 24.6 36.8



#68

m/p-Xylenes

Concen: 36.412 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013506.D

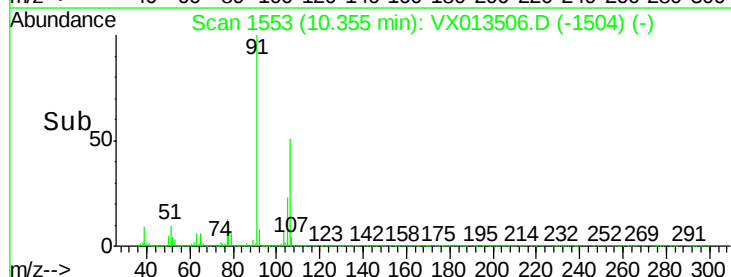
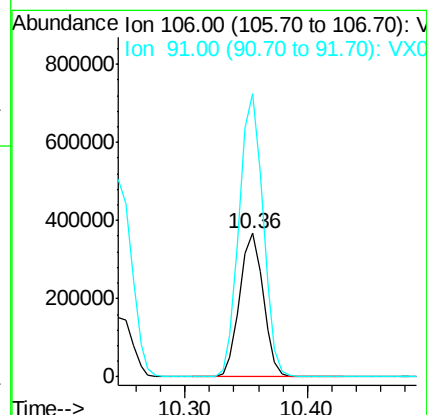
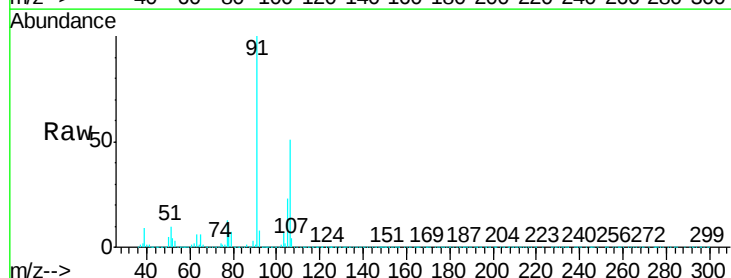
Acq: 21 Nov 2019 16:23

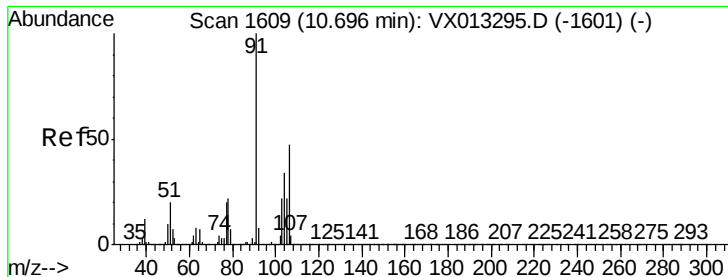
Tgt Ion: 106 Resp: 489481

Ion Ratio Lower Upper

106 100

91 199.5 159.3 238.9

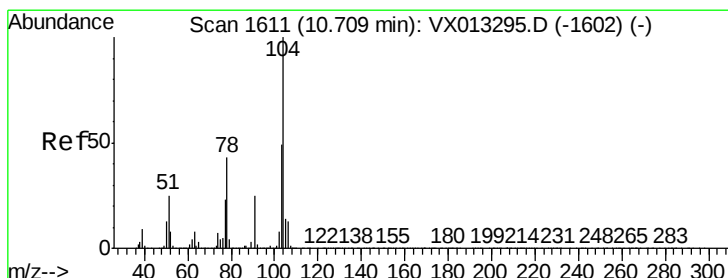
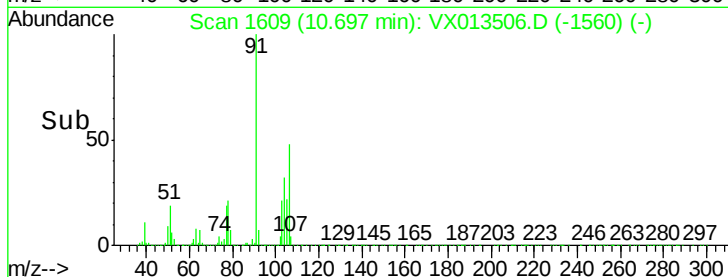
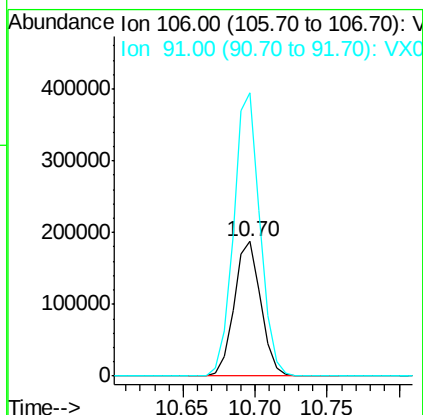
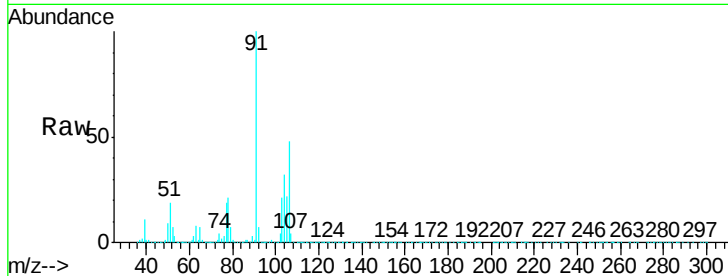




#69  
o-Xylene  
Concen: 18.346 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. 0.00 min  
Lab File: VX013506.D  
Acq: 21 Nov 2019 16:23

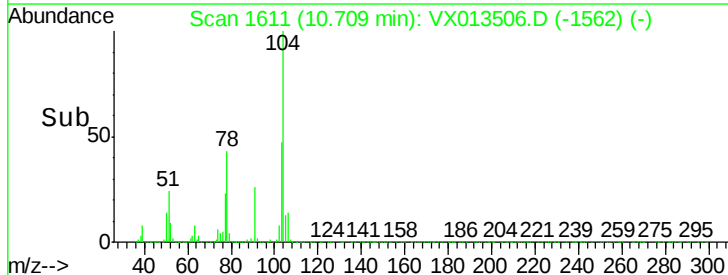
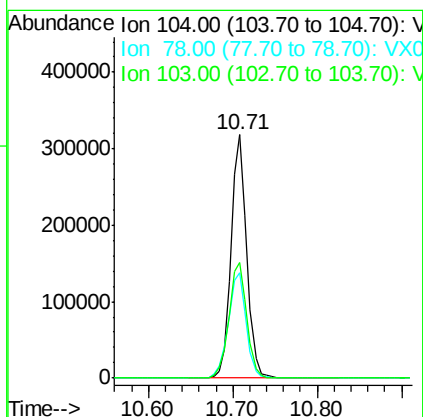
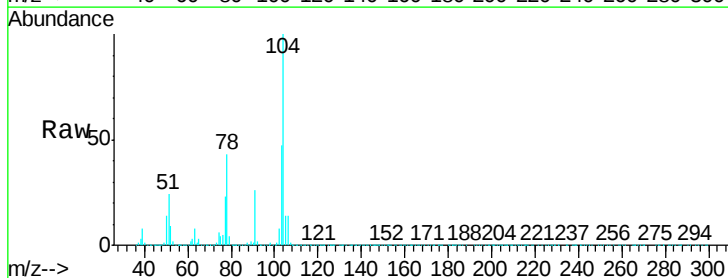
Instrument :  
MSVOA\_X  
ClientSampled :  
VX1121WBS03

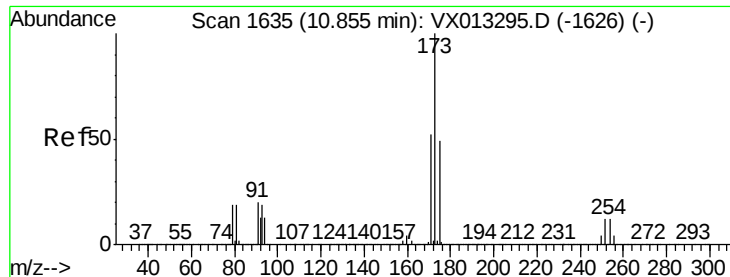
Tgt Ion:106 Resp: 241455  
Ion Ratio Lower Upper  
106 100  
91 208.7 105.7 317.0



#70  
Styrene  
Concen: 18.359 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. 0.00 min  
Lab File: VX013506.D  
Acq: 21 Nov 2019 16:23

Tgt Ion:104 Resp: 403903  
Ion Ratio Lower Upper  
104 100  
78 49.4 40.0 60.0  
103 53.8 44.1 66.1





#71

Bromoform

Concen: 17.514 ug/l

RT: 10.86 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampled :

VX1121WBS03

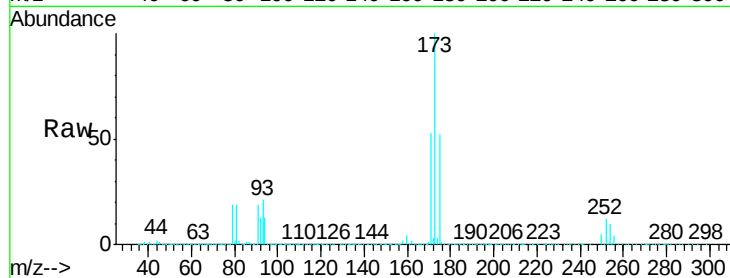
Tgt Ion:173 Resp: 107210

Ion Ratio Lower Upper

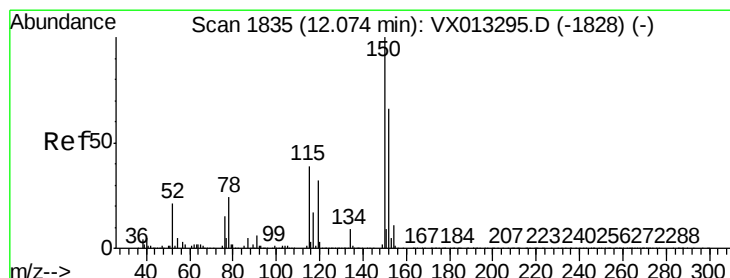
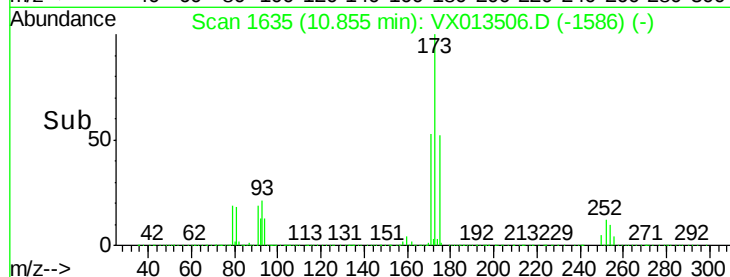
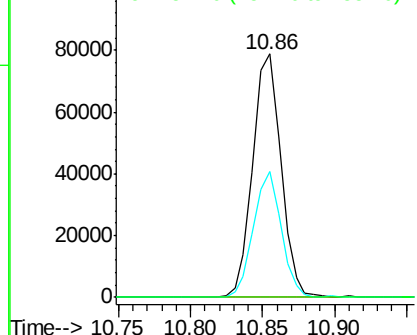
173 100

175 51.0 24.8 74.4

254 0.3 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: VX013506.D

Acq: 21 Nov 2019 16:23

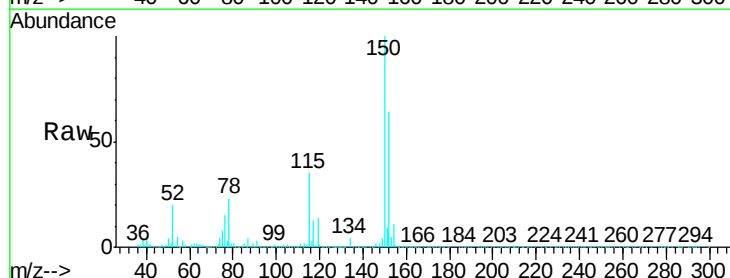
Tgt Ion:152 Resp: 504871

Ion Ratio Lower Upper

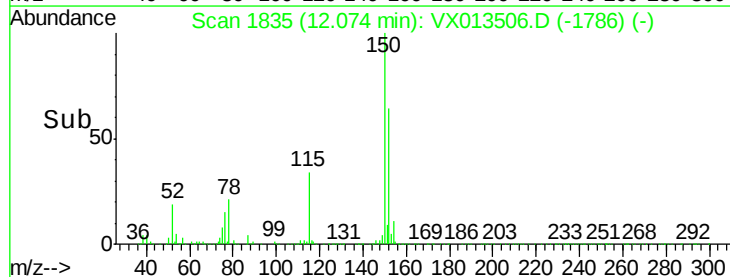
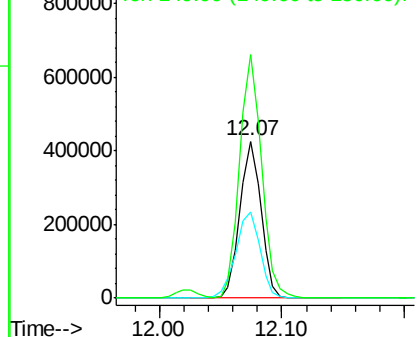
152 100

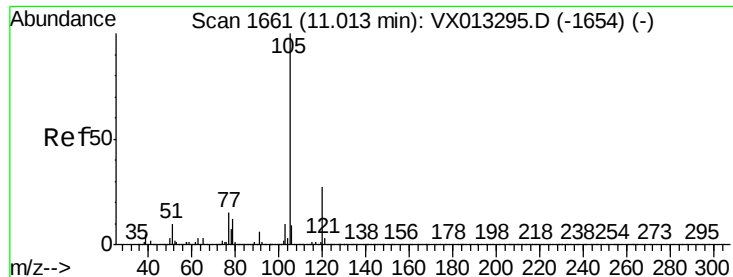
115 63.1 39.5 118.3

150 162.5 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: 19.253 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

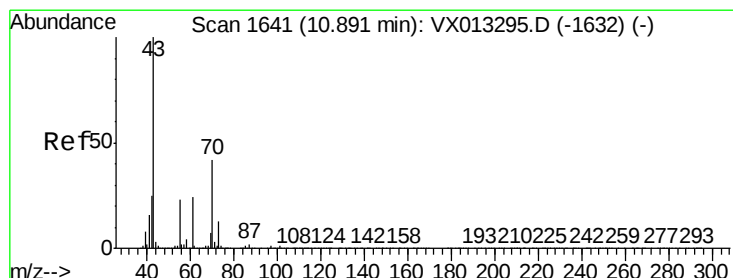
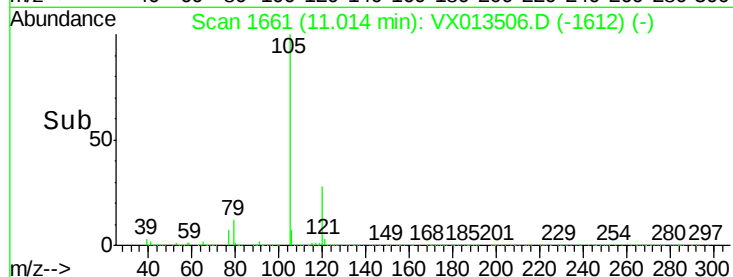
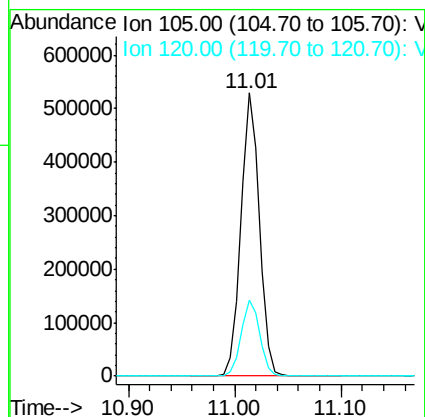
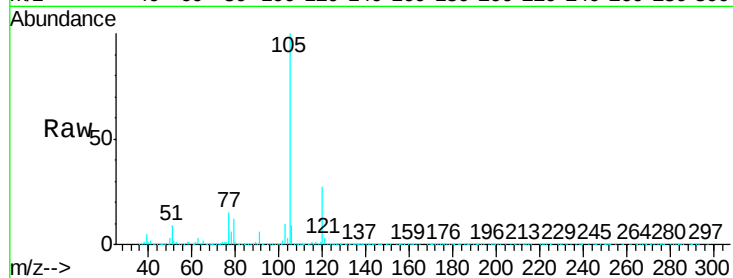
VX1121WBS03

Tgt Ion: 105 Resp: 644479

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.5



#74

N-ethyl acetate

Concen: 19.440 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Tgt Ion: 43 Resp: 301756

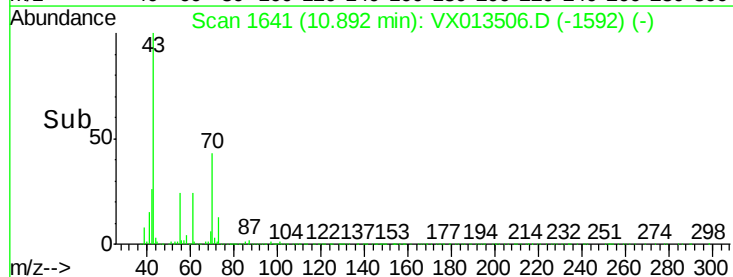
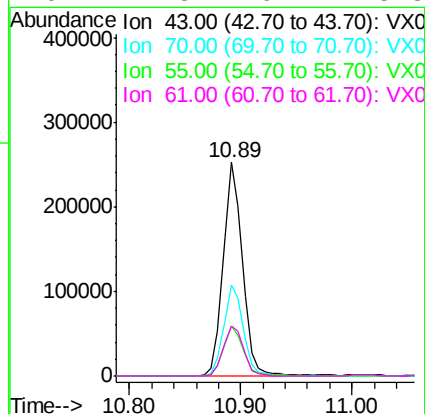
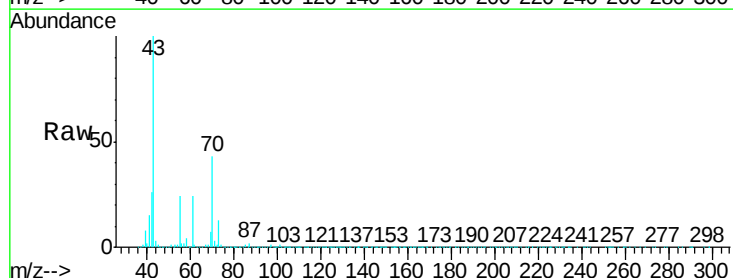
Ion Ratio Lower Upper

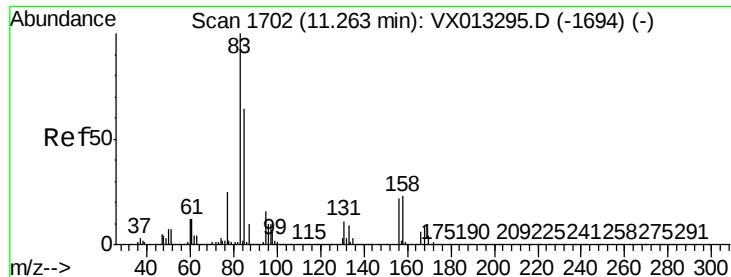
43 100

70 43.1 34.1 51.1

55 24.5 18.9 28.3

61 24.3 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.008 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

VX1121WBS03

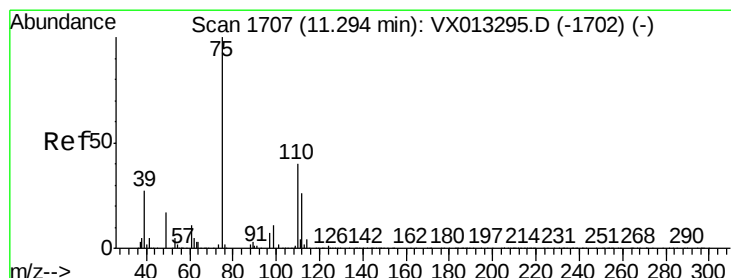
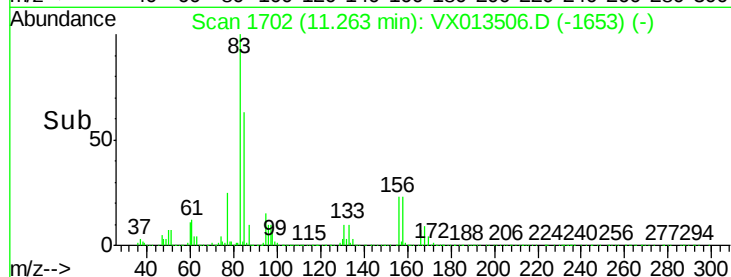
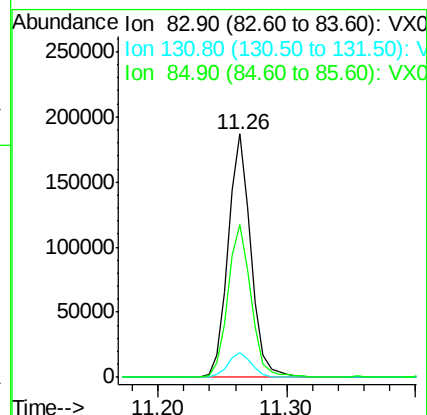
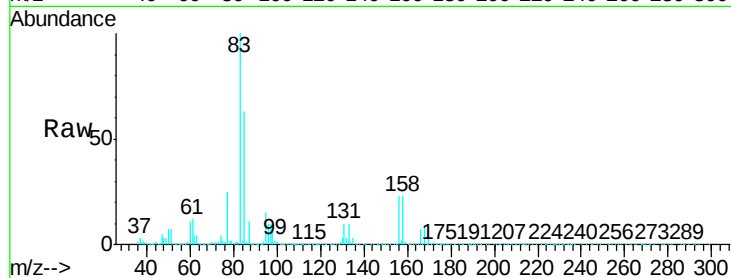
Tgt Ion: 83 Resp: 232125

Ion Ratio Lower Upper

83 100

131 10.7 5.1 15.3

85 64.0 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 24.279 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX013506.D

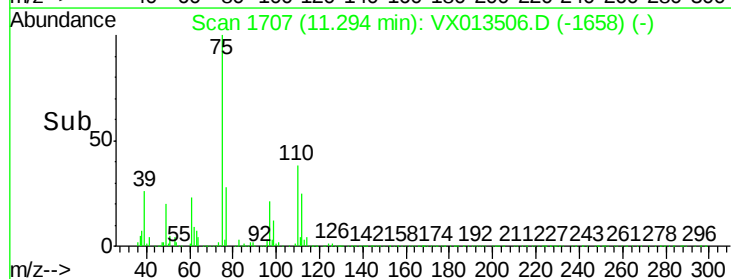
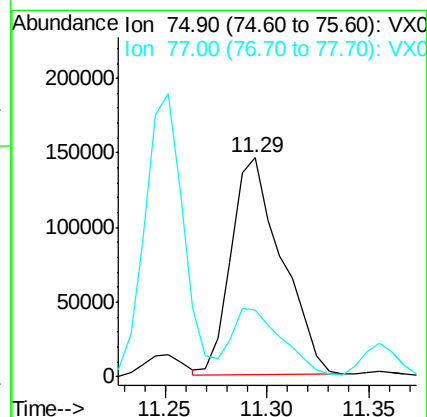
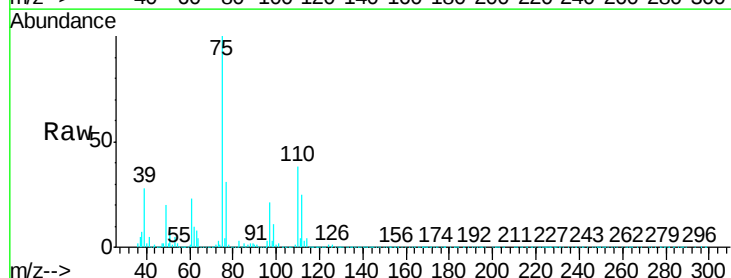
Acq: 21 Nov 2019 16:23

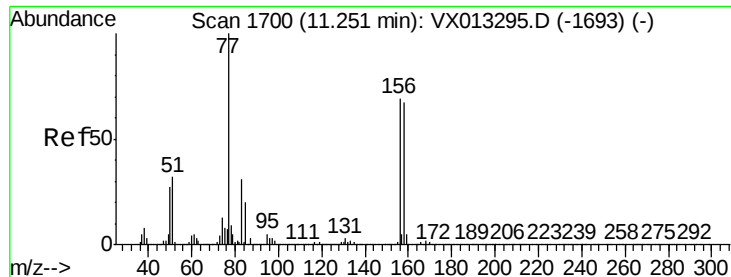
Tgt Ion: 75 Resp: 248971

Ion Ratio Lower Upper

75 100

77 31.5 22.3 66.8





#77

Bromobenzene

Concen: 18.656 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

VX1121WBS03

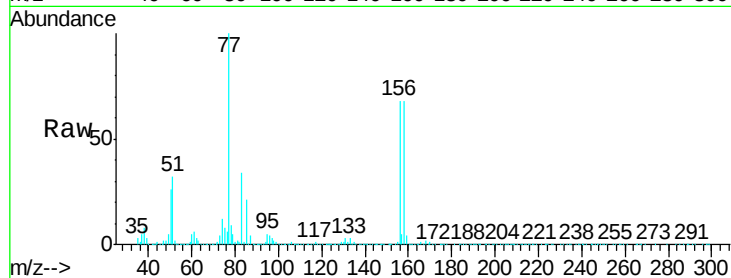
Tgt Ion:156 Resp: 166477

Ion Ratio Lower Upper

156 100

77 149.7 75.8 227.4

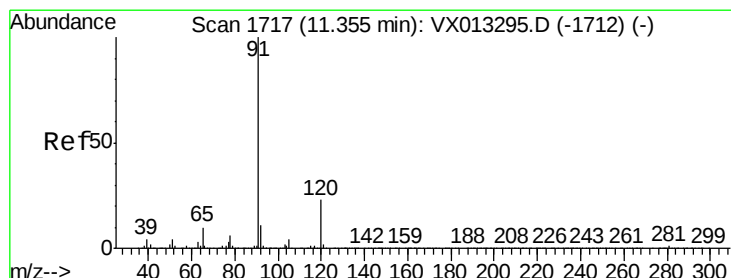
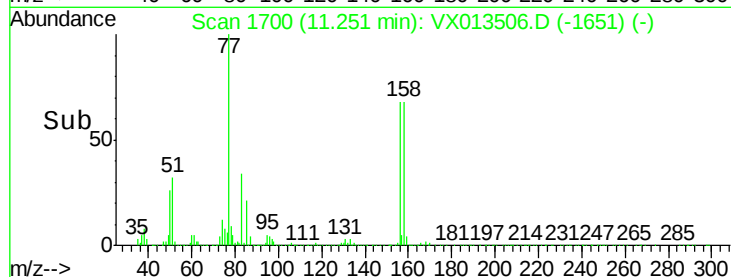
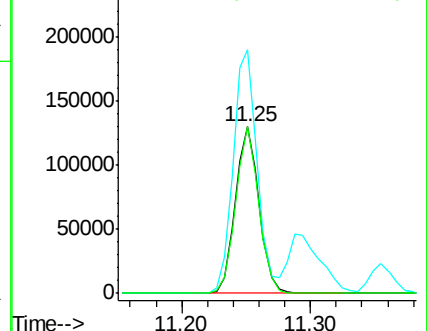
158 97.1 47.6 142.8



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: 19.069 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013506.D

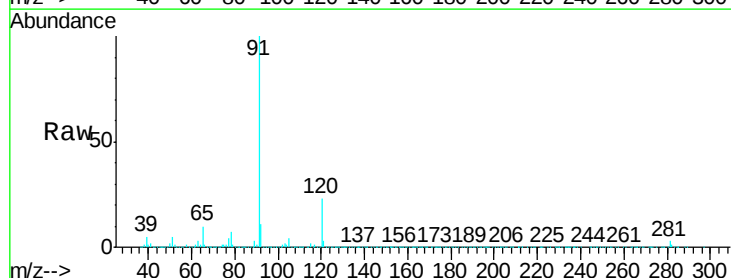
Acq: 21 Nov 2019 16:23

Tgt Ion: 91 Resp: 711037

Ion Ratio Lower Upper

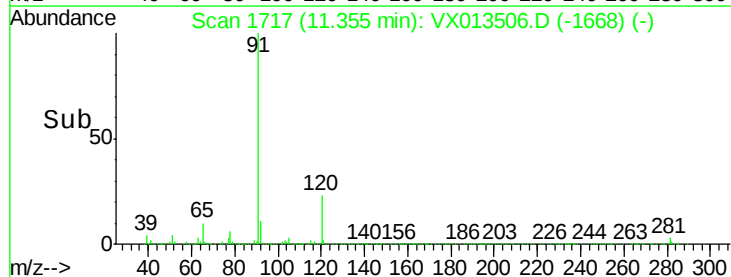
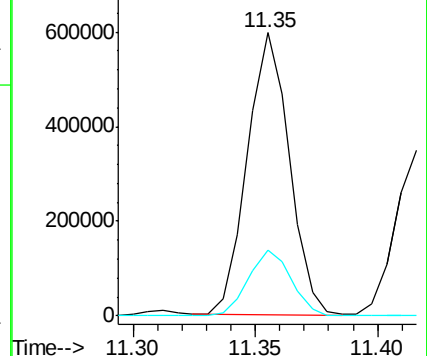
91 100

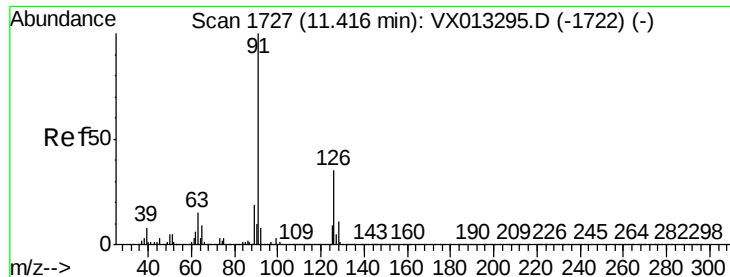
120 23.8 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.950 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

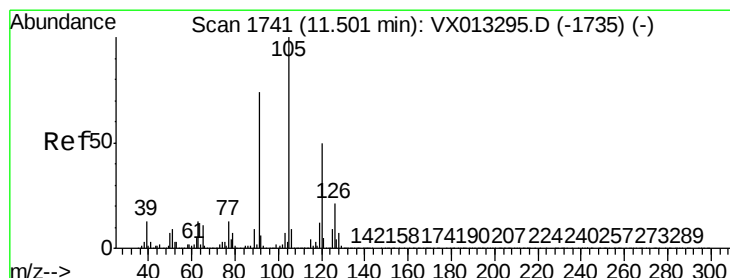
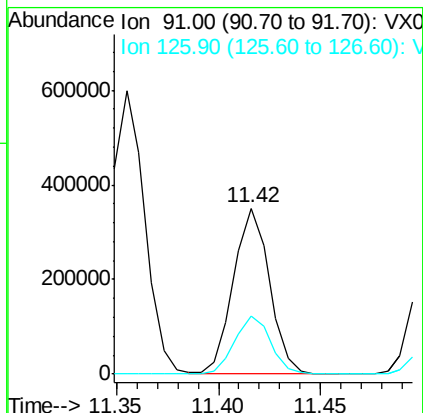
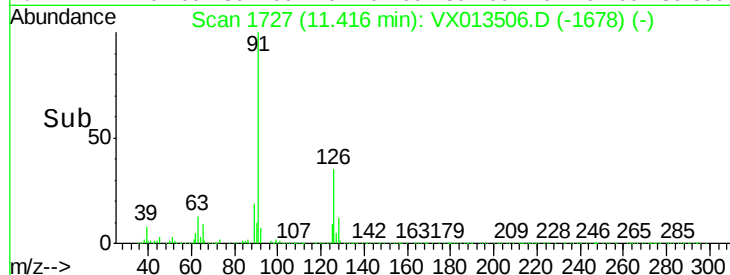
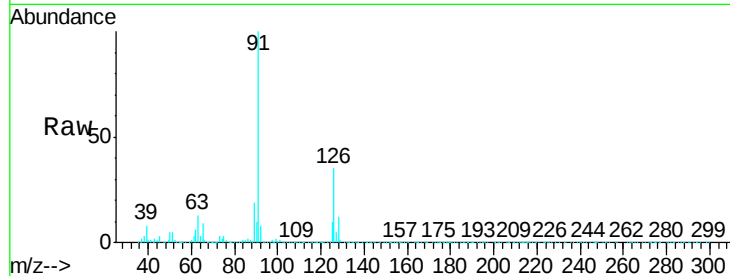
VX1121WBS03

Tgt Ion: 91 Resp: 425725

Ion Ratio Lower Upper

91 100

126 35.0 17.3 52.0



#80

1,3,5-Trimethylbenzene

Concen: 19.338 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013506.D

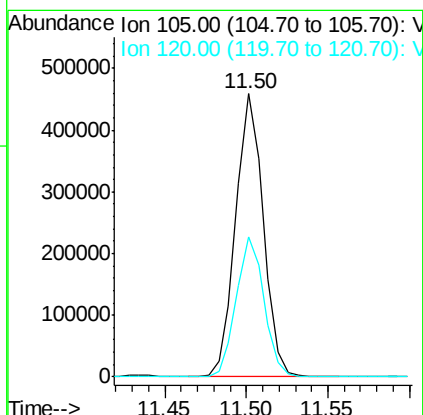
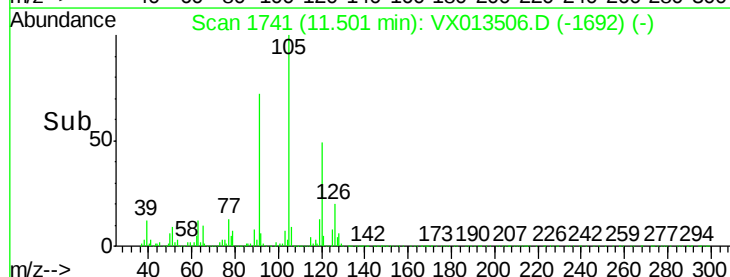
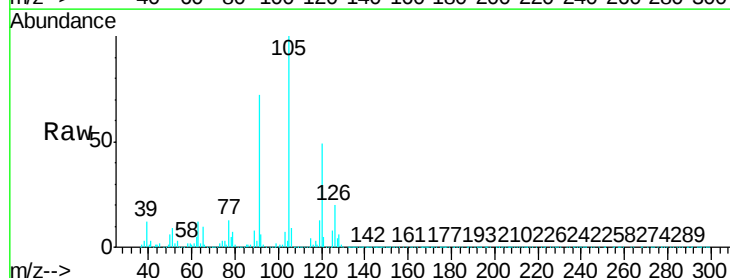
Acq: 21 Nov 2019 16:23

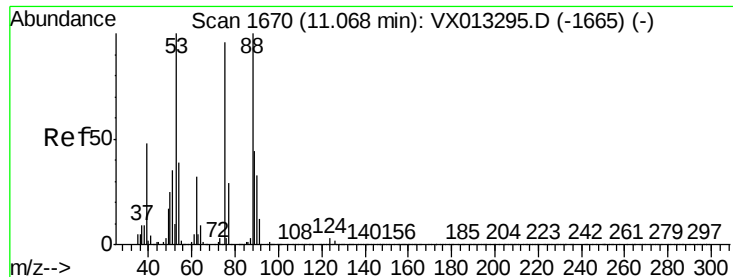
Tgt Ion: 105 Resp: 539181

Ion Ratio Lower Upper

105 100

120 49.8 24.9 74.8

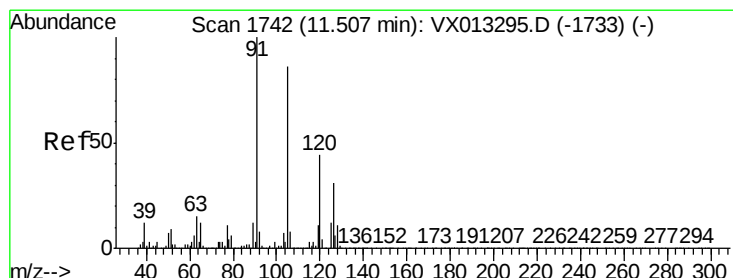
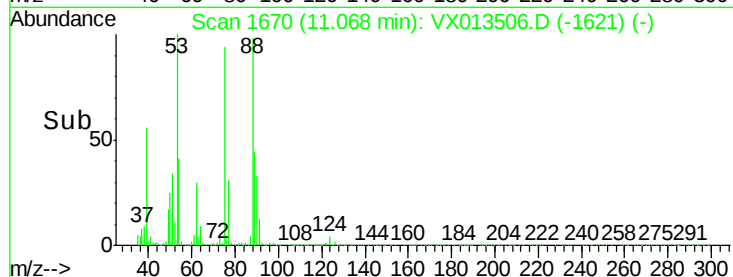
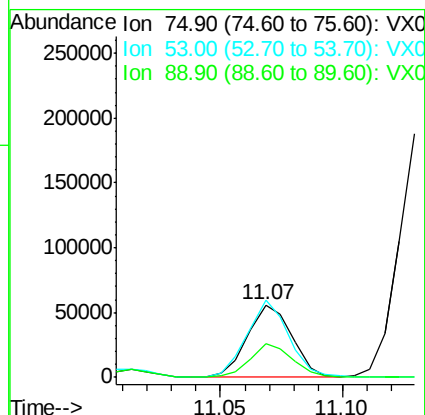
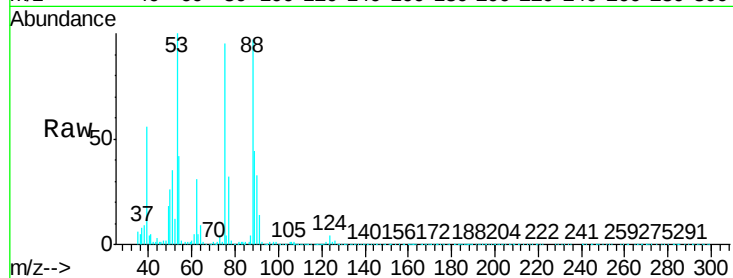




#81  
trans-1,4-Dichloro-2-butene  
Concen: 17.662 ug/l  
RT: 11.07 min Scan# 1670  
Delta R.T. 0.00 min  
Lab File: VX013506.D  
Acq: 21 Nov 2019 16:23

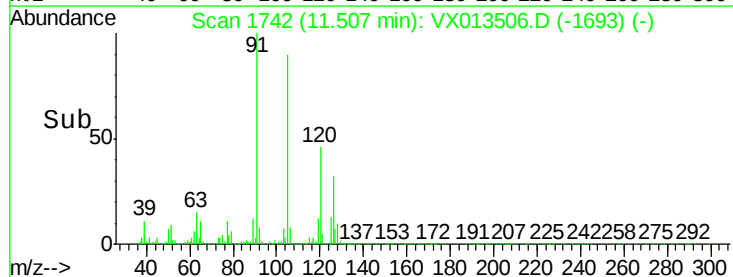
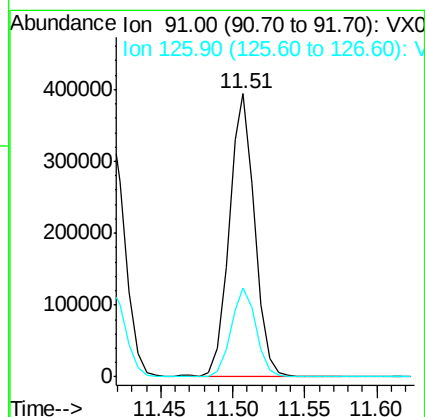
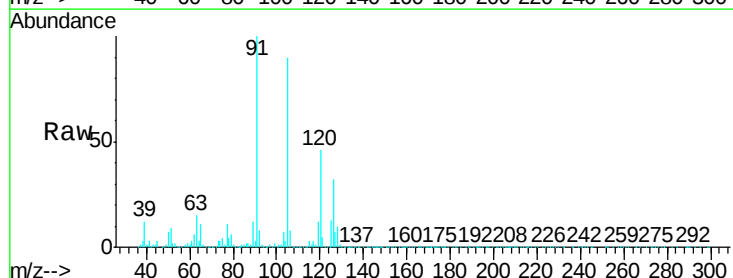
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1121WBS03

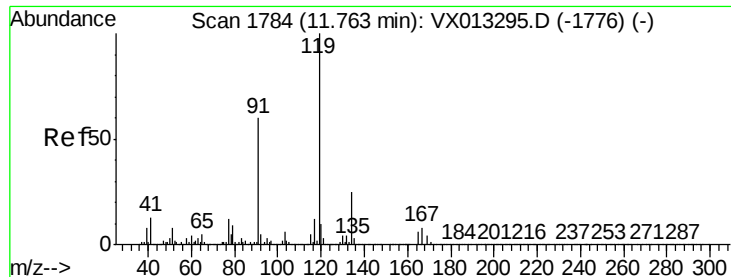
Tgt Ion: 75 Resp: 70364  
Ion Ratio Lower Upper  
75 100  
53 99.9 81.0 121.6  
89 45.0 36.0 54.0



#82  
4-Chlorotoluene  
Concen: 18.443 ug/l  
RT: 11.51 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VX013506.D  
Acq: 21 Nov 2019 16:23

Tgt Ion: 91 Resp: 485026  
Ion Ratio Lower Upper  
91 100  
126 30.9 15.3 45.8

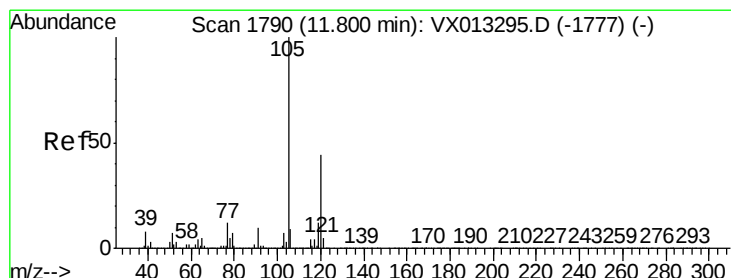
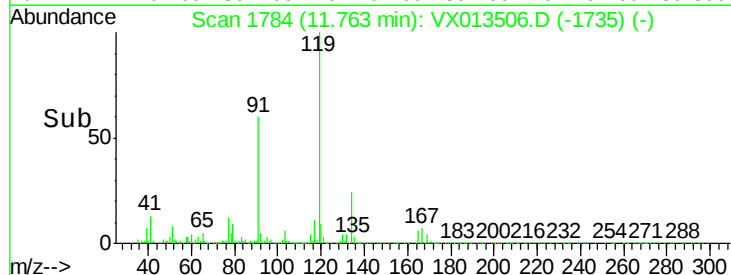
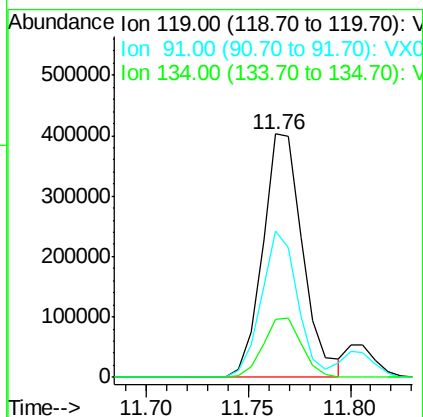
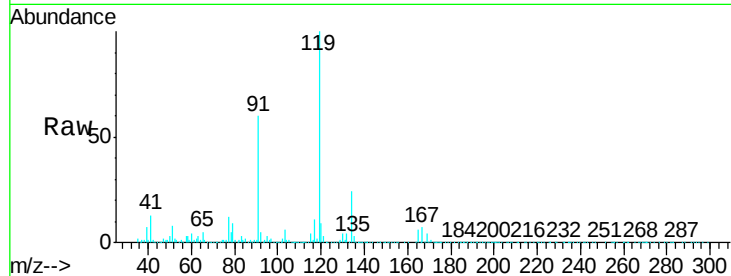




#83  
tert-Butylbenzene  
Concen: 19.639 ug/l  
RT: 11.76 min Scan# 1784  
Delta R.T. 0.00 min  
Lab File: VX013506.D  
Acq: 21 Nov 2019 16:23

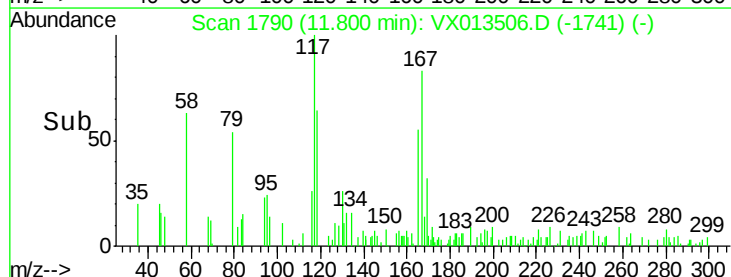
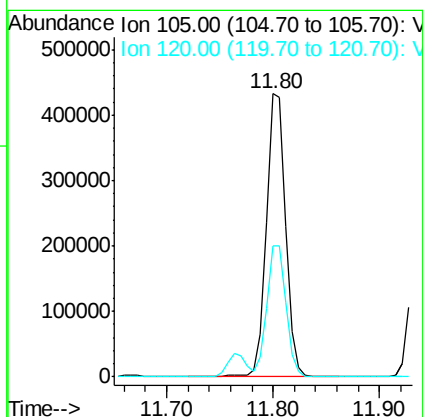
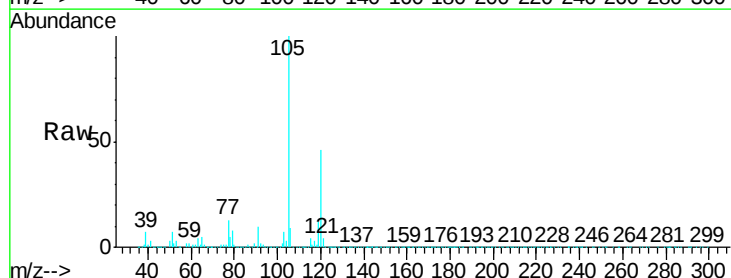
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1121WBS03

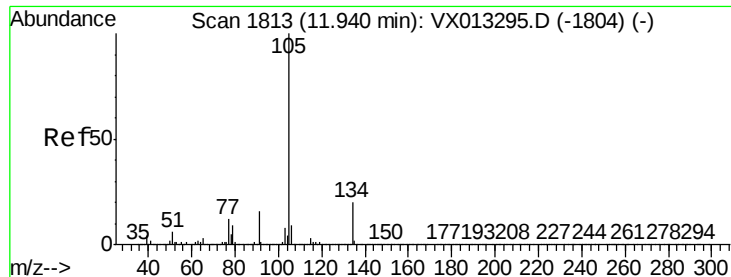
Tgt Ion:119 Resp: 551196  
Ion Ratio Lower Upper  
119 100  
91 54.1 26.9 80.7  
134 23.6 11.7 35.1



#84  
1,2,4-Trimethylbenzene  
Concen: 19.603 ug/l  
RT: 11.80 min Scan# 1790  
Delta R.T. 0.00 min  
Lab File: VX013506.D  
Acq: 21 Nov 2019 16:23

Tgt Ion:105 Resp: 548291  
Ion Ratio Lower Upper  
105 100  
120 46.5 22.7 68.1





#85

sec-Butylbenzene

Concen: 19.246 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

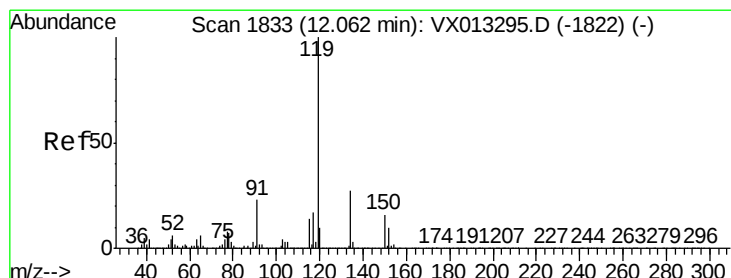
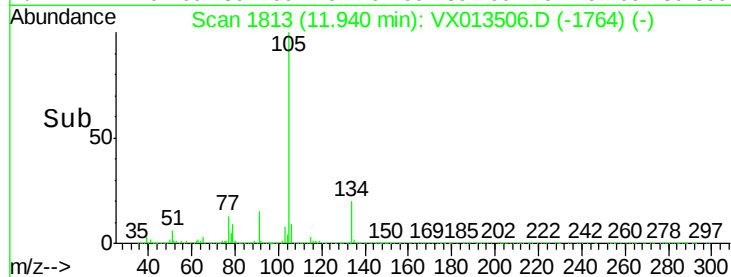
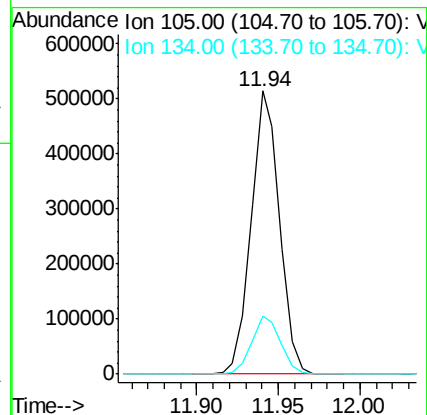
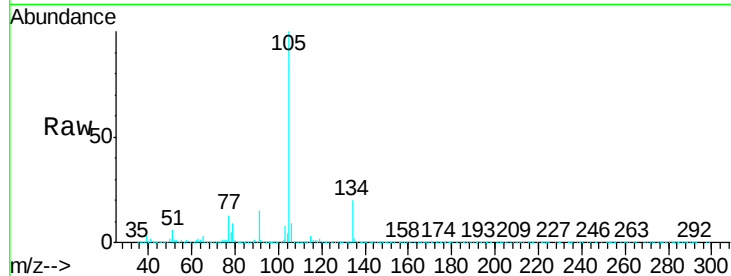
VX1121WBS03

Tgt Ion:105 Resp: 620822

Ion Ratio Lower Upper

105 100

134 20.9 10.3 30.9



#86

p-Isopropyltoluene

Concen: 19.384 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

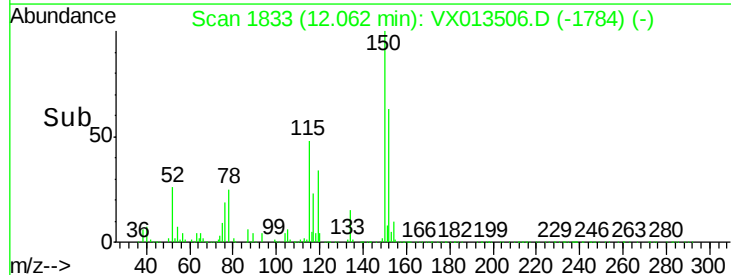
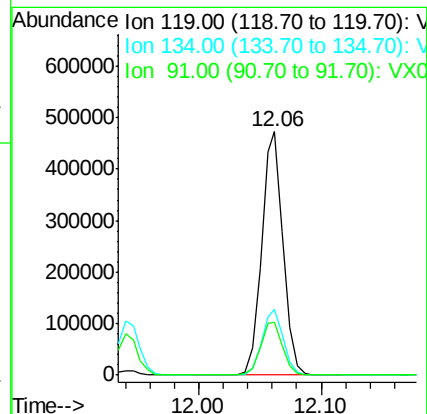
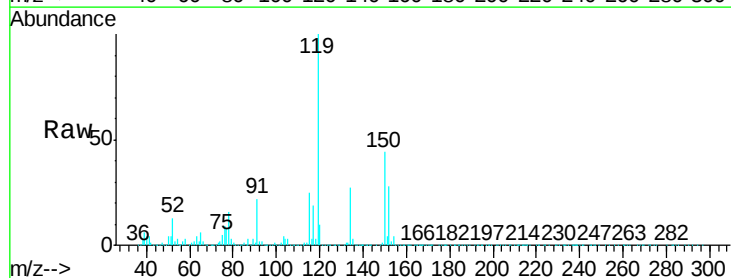
Tgt Ion:119 Resp: 575759

Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.8

91 22.5 11.5 34.4

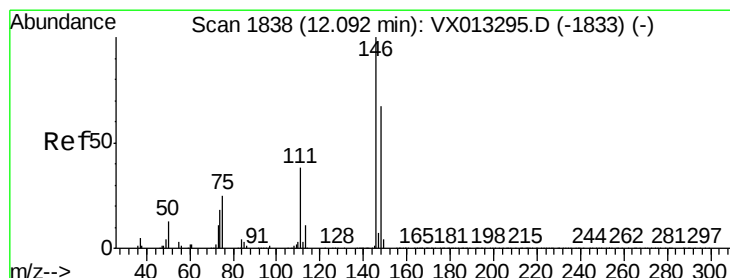
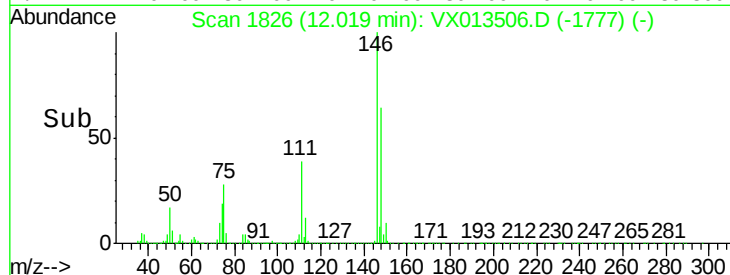
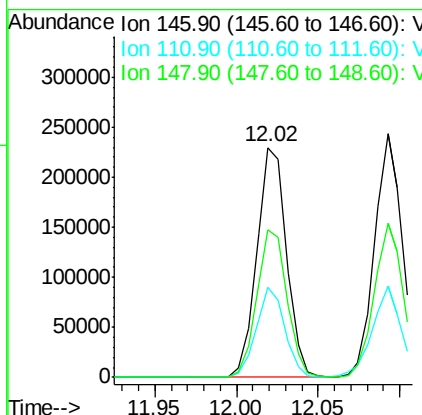
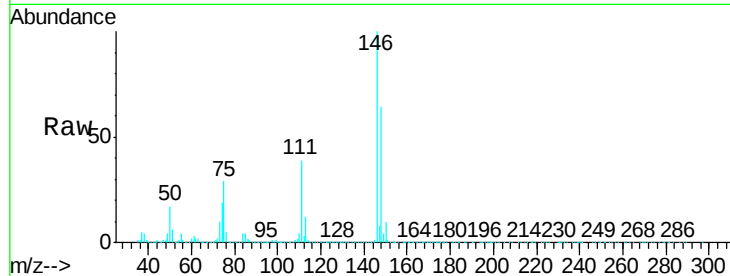




#87  
 1,3-Dichlorobenzene  
 Concen: 18.303 ug/l  
 RT: 12.02 min Scan# 1826  
 Delta R.T. 0.00 min  
 Lab File: VX013506.D  
 Acq: 21 Nov 2019 16:23

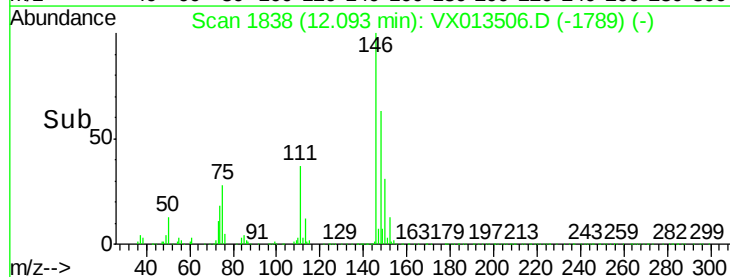
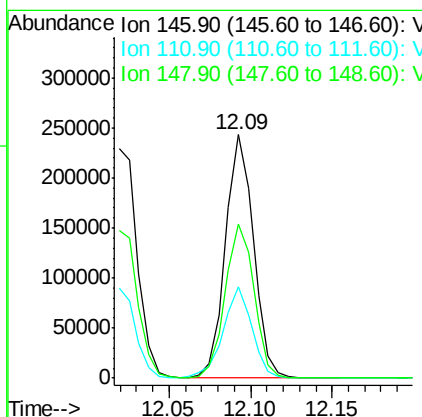
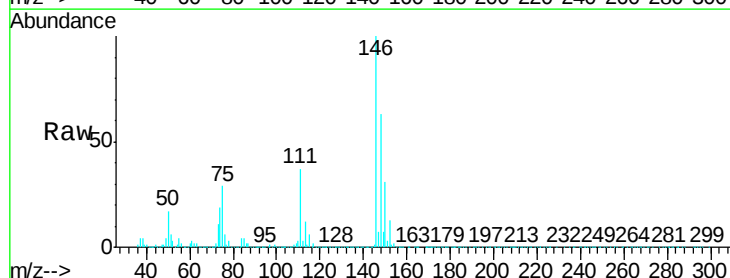
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1121WBS03

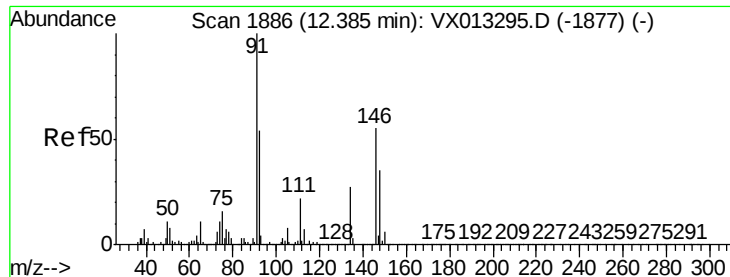
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.7  | 18.9  | 56.5  |
| 148     | 65.2  | 31.9  | 95.7  |



#88  
 1,4-Dichlorobenzene  
 Concen: 17.945 ug/l  
 RT: 12.09 min Scan# 1838  
 Delta R.T. 0.00 min  
 Lab File: VX013506.D  
 Acq: 21 Nov 2019 16:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.4  | 18.8  | 56.4  |
| 148     | 64.7  | 32.4  | 97.0  |





#89

n-Butylbenzene

Concen: 18.434 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampled :

VX1121WBS03

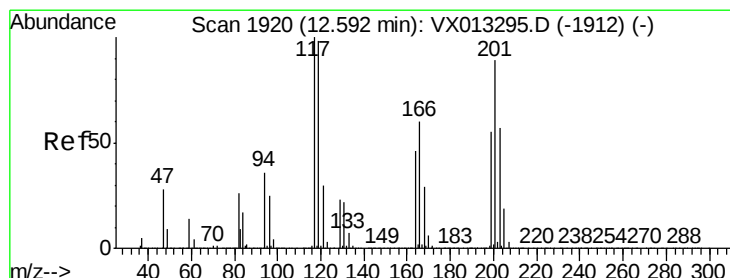
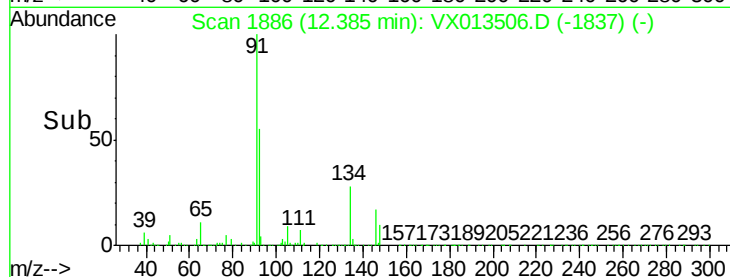
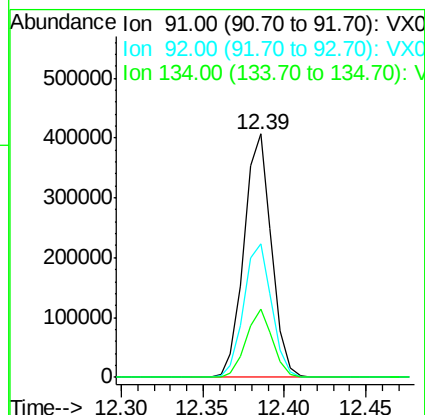
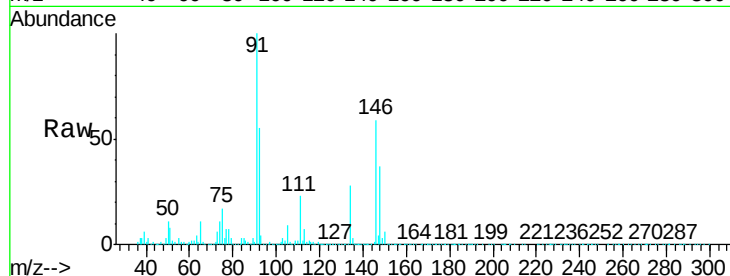
Tgt Ion: 91 Resp: 477789

Ion Ratio Lower Upper

91 100

92 55.8 27.3 81.8

134 27.0 13.5 40.5



#90

Hexachloroethane

Concen: 18.758 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX013506.D

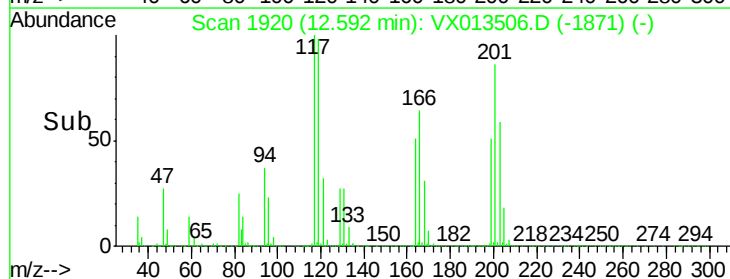
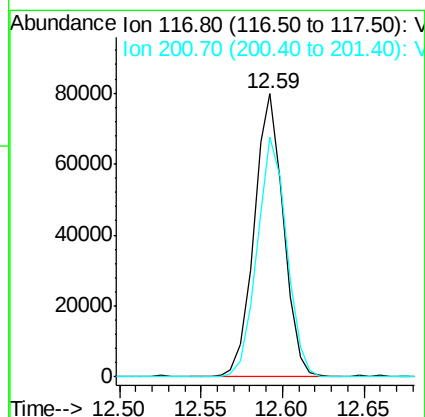
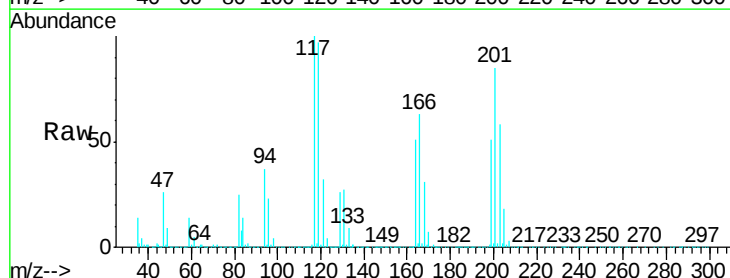
Acq: 21 Nov 2019 16:23

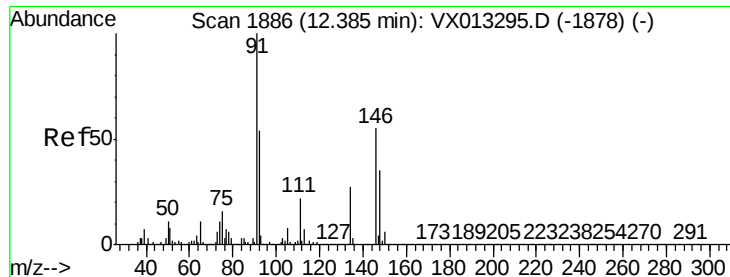
Tgt Ion: 117 Resp: 99273

Ion Ratio Lower Upper

117 100

201 85.9 43.9 131.7





#91

1,2-Dichlorobenzene

Concen: 18.803 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

Instrument :

MSVOA\_X

ClientSampleId :

VX1121WBS03

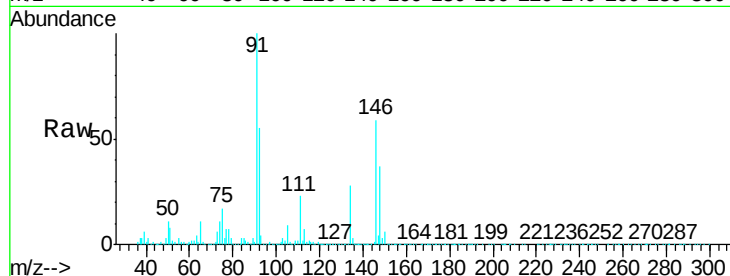
Tgt Ion: 146 Resp: 298963

Ion Ratio Lower Upper

146 100

111 38.6 20.1 60.2

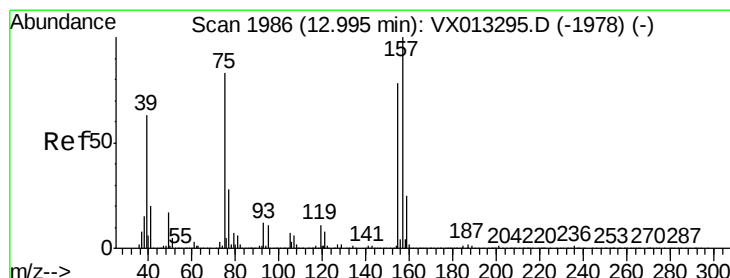
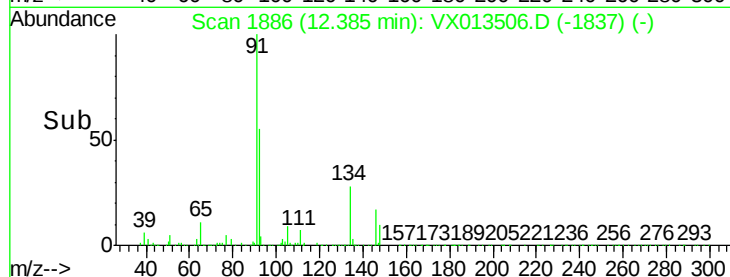
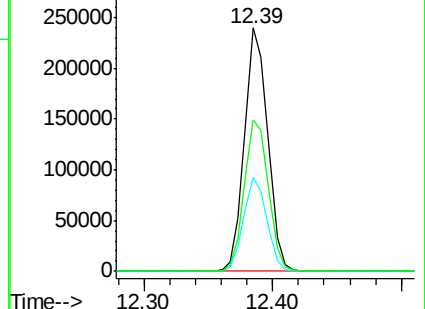
148 64.3 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.420 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX013506.D

Acq: 21 Nov 2019 16:23

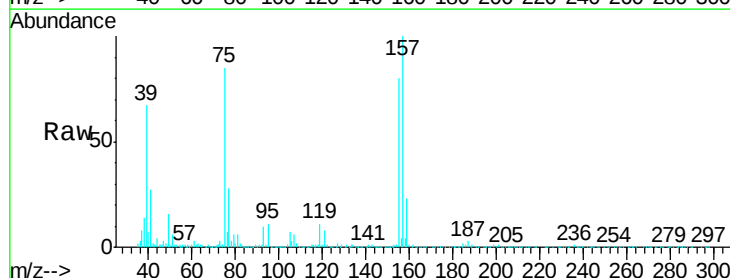
Tgt Ion: 75 Resp: 48852

Ion Ratio Lower Upper

75 100

155 94.6 47.1 141.4

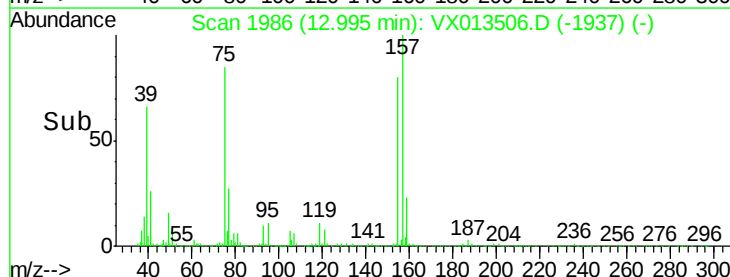
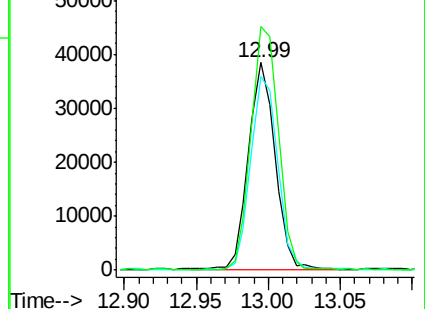
157 120.3 61.3 183.8

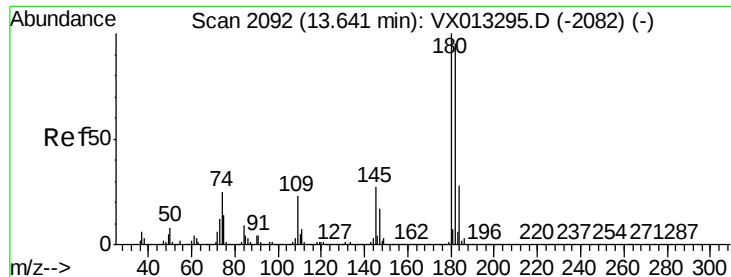


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

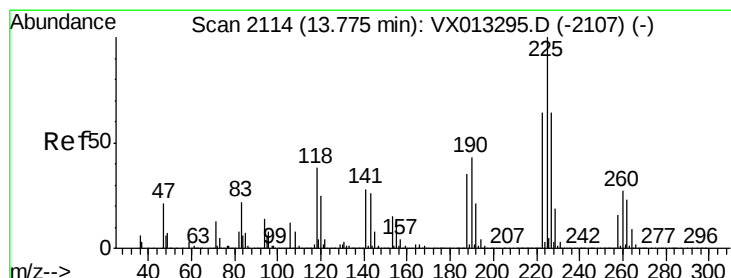
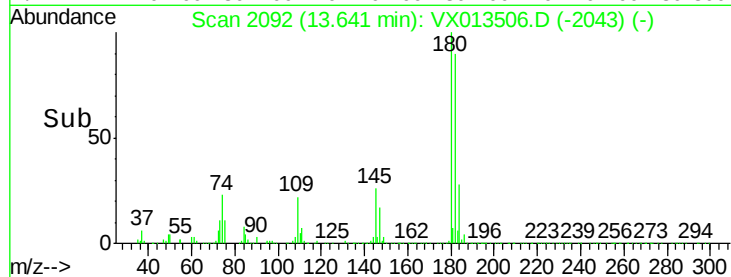
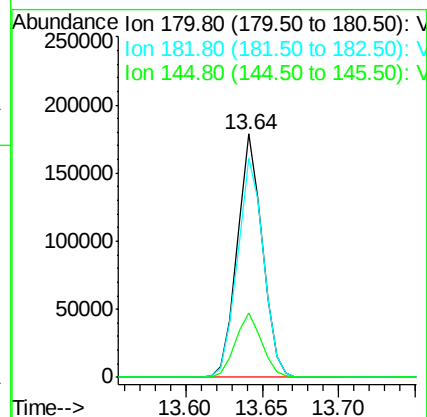
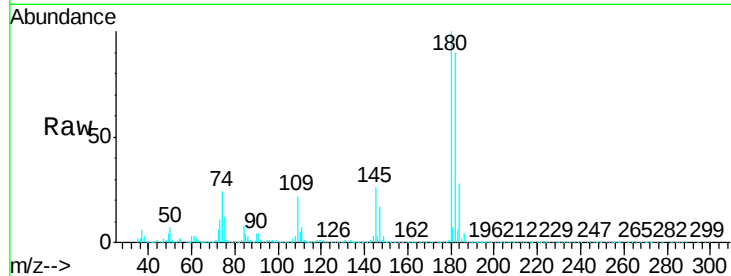




#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.334 ug/l  
 RT: 13.64 min Scan# 2092  
 Delta R.T. 0.00 min  
 Lab File: VX013506.D  
 Acq: 21 Nov 2019 16:23

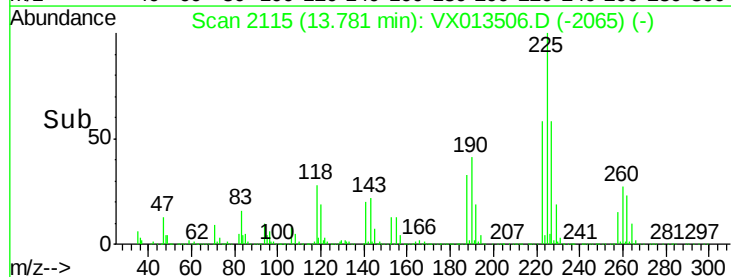
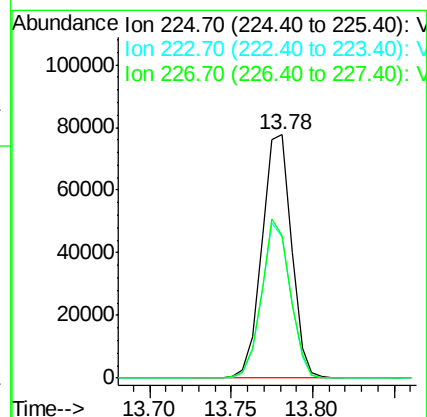
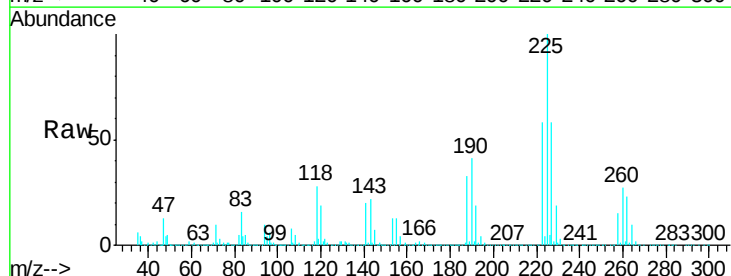
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1121WBS03

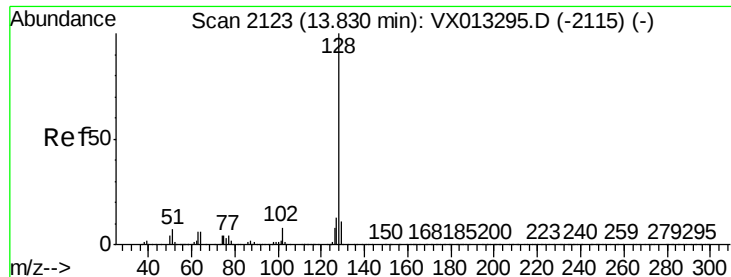
Tgt Ion:180 Resp: 203343  
 Ion Ratio Lower Upper  
 180 100  
 182 93.7 48.4 145.0  
 145 27.7 14.1 42.4



#94  
 Hexachlorobutadiene  
 Concen: 18.083 ug/l  
 RT: 13.78 min Scan# 2115  
 Delta R.T. 0.01 min  
 Lab File: VX013506.D  
 Acq: 21 Nov 2019 16:23

Tgt Ion:225 Resp: 98123  
 Ion Ratio Lower Upper  
 225 100  
 223 62.4 31.9 95.7  
 227 63.3 31.9 95.9

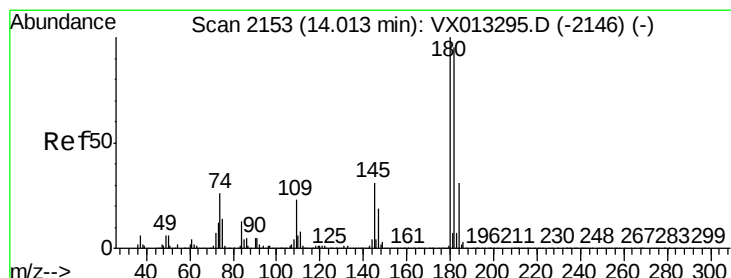
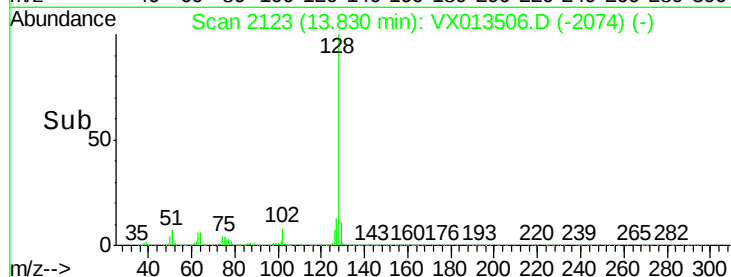
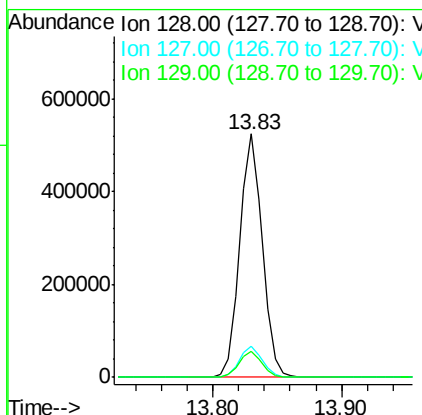
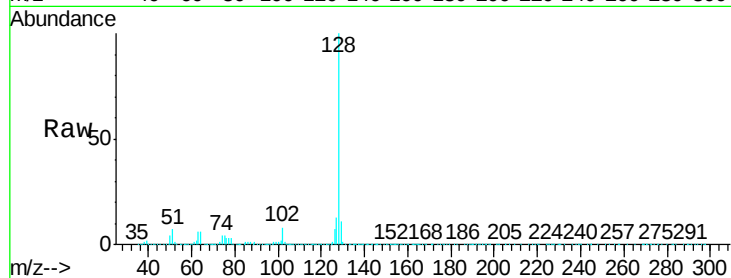




#95  
Naphthalene  
Concen: 18.268 ug/l  
RT: 13.83 min Scan# 2123  
Delta R.T. 0.00 min  
Lab File: VX013506.D  
Acq: 21 Nov 2019 16:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1121WBS03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.2  | 10.2  | 15.2  |
| 129     | 10.8  | 8.5   | 12.7  |



#96  
1,2,3-Trichlorobenzene  
Concen: 18.273 ug/l  
RT: 14.01 min Scan# 2153  
Delta R.T. 0.00 min  
Lab File: VX013506.D  
Acq: 21 Nov 2019 16:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.0  | 48.0  | 144.2 |
| 145     | 30.3  | 15.4  | 46.4  |

