

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX120319\  
 Data File : VX013722.D  
 Acq On : 03 Dec 2019 14:14  
 Operator : JC/SP  
 Sample : VX1203MBS01  
 Misc : 5.00µL/100µL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 03 14:39:26 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112619W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 26 15:53:00 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 645128   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 970367   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 878145   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 435025   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 351431   | 46.93 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.86% |          |
| 35) Dibromofluoromethane    | 5.48  | 113  | 287130   | 47.86 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.72% |          |
| 50) Toluene-d8              | 8.71  | 98   | 1101043  | 47.11 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.22% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 395107   | 46.88 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.76% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85   | 141137   | 19.655  | ug/l  | 98     |
| 3) Chloromethane              | 1.32 | 50   | 156558   | 19.431  | ug/l  | 99     |
| 4) Vinyl Chloride             | 1.40 | 62   | 174733   | 19.268  | ug/l  | 100    |
| 5) Bromomethane               | 1.63 | 94   | 96069    | 15.774  | ug/l  | 100    |
| 6) Chloroethane               | 1.72 | 64   | 97423    | 18.879  | ug/l  | 96     |
| 7) Trichlorofluoromethane     | 1.92 | 101  | 191218   | 18.989  | ug/l  | 100    |
| 8) Diethyl Ether              | 2.18 | 74   | 90665    | 19.902  | ug/l  | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101  | 118962   | 19.341  | ug/l  | 97     |
| 10) Methyl Iodide             | 2.50 | 142  | 124305   | 16.707  | ug/l  | 99     |
| 11) Tert butyl alcohol        | 3.03 | 59   | 161085   | 87.148  | ug/l  | 100    |
| 12) 1,1-Dichloroethene        | 2.36 | 96   | 115251   | 18.772  | ug/l  | 93     |
| 13) Acrolein                  | 2.28 | 56   | 99097    | 84.244  | ug/l  | 100    |
| 14) Allyl chloride            | 2.72 | 41   | 211213   | 18.957  | ug/l  | 100    |
| 15) Acrylonitrile             | 3.13 | 53   | 373507   | 97.894  | ug/l  | 100    |
| 16) Acetone                   | 2.43 | 43   | 408973   | 110.618 | ug/l  | 98     |
| 17) Carbon Disulfide          | 2.56 | 76   | 306534   | 17.514  | ug/l  | 98     |
| 18) Methyl Acetate            | 2.76 | 43   | 214482   | 20.833  | ug/l  | 100    |
| 19) Methyl tert-butyl Ether   | 3.18 | 73   | 404268   | 19.877  | ug/l  | 100    |
| 20) Methylene Chloride        | 2.84 | 84   | 138605   | 19.514  | ug/l  | 98     |
| 21) trans-1,2-Dichloroethene  | 3.15 | 96   | 126301   | 18.884  | ug/l  | 98     |
| 22) Diisopropyl ether         | 3.84 | 45   | 435956   | 20.321  | ug/l  | 99     |
| 23) Vinyl Acetate             | 3.80 | 43   | 1709733  | 95.799  | ug/l  | 100    |
| 24) 1,1-Dichloroethane        | 3.69 | 63   | 229433   | 19.563  | ug/l  | 98     |
| 25) 2-Butanone                | 4.65 | 43   | 563989   | 102.643 | ug/l  | 98     |
| 26) 2,2-Dichloropropane       | 4.57 | 77   | 178356   | 18.381  | ug/l  | 98     |
| 27) cis-1,2-Dichloroethene    | 4.59 | 96   | 145238   | 18.909  | ug/l  | 99     |
| 28) Bromochloromethane        | 5.00 | 49   | 95251    | 20.545  | ug/l  | 100    |
| 29) Tetrahydrofuran           | 5.11 | 42   | 342088   | 100.991 | ug/l  | 99     |
| 30) Chloroform                | 5.20 | 83   | 222546   | 18.711  | ug/l  | 96     |
| 31) Cyclohexane               | 5.57 | 56   | 208020   | 18.805  | ug/l  | 99     |
| 32) 1,1,1-Trichloroethane     | 5.48 | 97   | 190246   | 19.141  | ug/l  | 98     |
| 36) 1,1-Dichloropropene       | 5.79 | 75   | 169332   | 19.224  | ug/l  | 99     |
| 37) Ethyl Acetate             | 4.81 | 43   | 200765   | 20.317  | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 5.78 | 117  | 160645   | 19.778  | ug/l  | 97     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120319\  
 Data File : VX013722.D  
 Acq On : 03 Dec 2019 14:14  
 Operator : JC/SP  
 Sample : VX1203MBS01  
 Misc : 5.00µL/100µL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 03 14:39:26 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112619W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 26 15:53:00 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.45  | 83   | 215136   | 19.759  | ug/l   | 95       |
| 40) Benzene                    | 6.13  | 78   | 521074   | 19.423  | ug/l   | 97       |
| 41) Methacrylonitrile          | 5.03  | 41   | 110064   | 20.309  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 6.18  | 62   | 184965   | 20.216  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.43  | 43   | 326110   | 20.045  | ug/l   | 99       |
| 44) Trichloroethene            | 7.20  | 130  | 140927   | 19.140  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 136333   | 20.311  | ug/l   | 100      |
| 46) Dibromomethane             | 7.65  | 93   | 89799    | 19.698  | ug/l   | 97       |
| 47) Bromodichloromethane       | 7.89  | 83   | 174078   | 20.199  | ug/l   | 98       |
| 48) Methyl methacrylate        | 7.76  | 41   | 162486   | 20.556  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 7.73  | 88   | 66055    | 373.333 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 1038928  | 101.524 | ug/l   | 99       |
| 52) Toluene                    | 8.78  | 92   | 326481   | 19.589  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 191044   | 19.475  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 212693   | 19.846  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 137172   | 20.424  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.17  | 69   | 218139   | 20.202  | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 228296   | 19.720  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 406067   | 95.914  | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.48  | 43   | 812186   | 101.762 | ug/l   | 98       |
| 60) Dibromochloromethane       | 9.57  | 129  | 137460   | 19.721  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 139043   | 19.384  | ug/l   | 98       |
| 64) Tetrachloroethene          | 9.33  | 164  | 155085   | 23.682  | ug/l   | 98       |
| 65) Chlorobenzene              | 10.14 | 112  | 355668   | 19.508  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 129117   | 19.722  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.25 | 91   | 619108   | 19.761  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.35 | 106  | 472223   | 39.369  | ug/l   | 99       |
| 69) o-Xylene                   | 10.70 | 106  | 227937   | 19.484  | ug/l   | 97       |
| 70) Styrene                    | 10.71 | 104  | 387016   | 19.667  | ug/l   | 99       |
| 71) Bromoform                  | 10.85 | 173  | 107276   | 19.803  | ug/l # | 98       |
| 73) Isopropylbenzene           | 11.01 | 105  | 610445   | 20.005  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.89 | 43   | 283092   | 20.252  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 208717   | 19.723  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 237559   | 24.279  | ug/l   | 89       |
| 77) Bromobenzene               | 11.25 | 156  | 160308   | 19.446  | ug/l   | 99       |
| 78) n-propylbenzene            | 11.35 | 91   | 682778   | 20.044  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 404668   | 19.803  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 507745   | 20.302  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 67124    | 18.768  | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 464131   | 19.611  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 491262   | 19.328  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 512637   | 20.196  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 593981   | 20.459  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 544402   | 20.156  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 276343   | 19.230  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 274890   | 18.780  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.38 | 91   | 454385   | 19.725  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.59 | 117  | 94255    | 19.307  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 276709   | 19.489  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 45029    | 19.539  | ug/l   | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120319\  
Data File : VX013722.D  
Acq On : 03 Dec 2019 14:14  
Operator : JC/SP  
Sample : VX1203MBS01  
Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 8 Sample Multiplier: 1

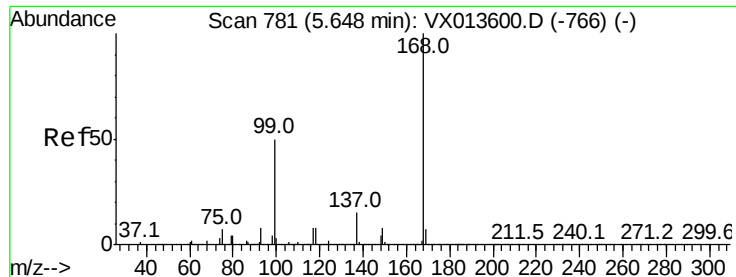
Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Dec 03 14:39:26 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112619W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 26 15:53:00 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.64 | 180  | 186929   | 18.891 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 88936    | 18.710 | ug/l  | 97       |
| 95) Naphthalene            | 13.83 | 128  | 577746   | 19.606 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 187366   | 19.124 | ug/l  | 98       |

(#) = 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: VX013722.D

Acq: 03 Dec 2019 14:14

Instrument :

MSVOA\_X

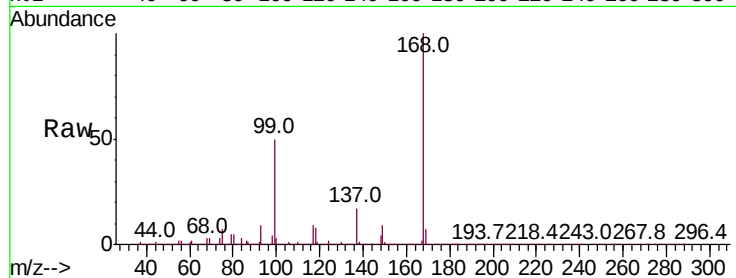
ClientSampled :

Tot Ion:168 Resp: 645128

Ion Ratio Lower Upper

168 100

99 50.0 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

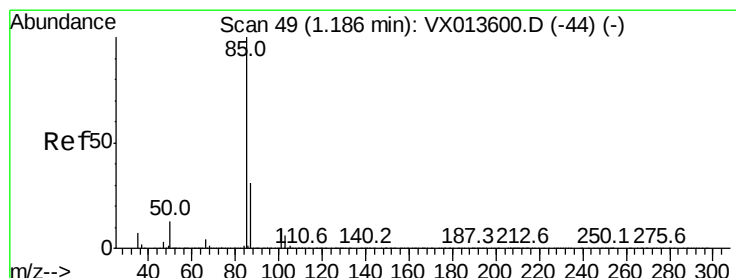
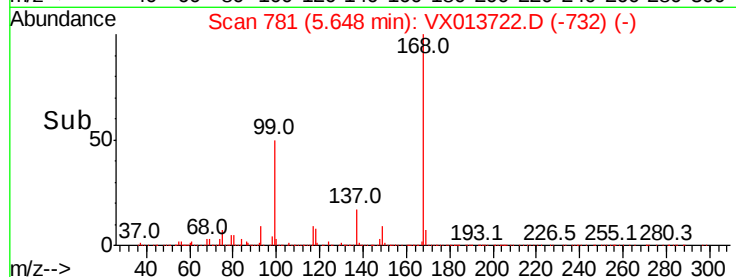
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.655 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX013722.D

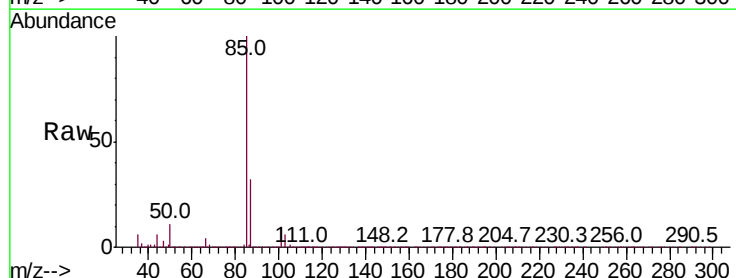
Acq: 03 Dec 2019 14:14

Tgt Ion: 85 Resp: 141137

Ion Ratio Lower Upper

85 100

87 32.3 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

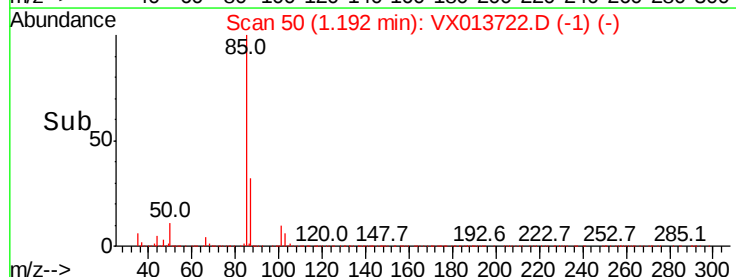
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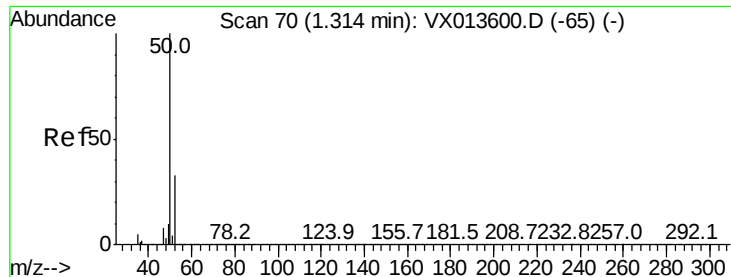
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50000

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Time-->





#3

Chloromethane

Concen: 19.431 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

Instrument :

MSVOA\_X

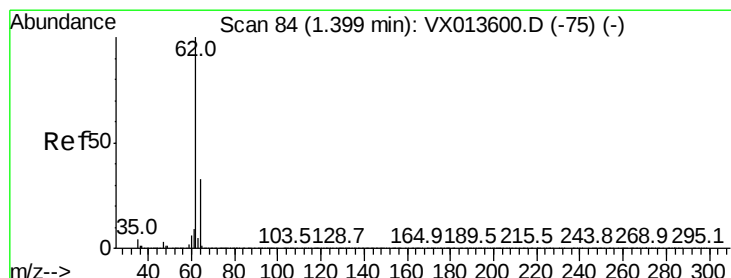
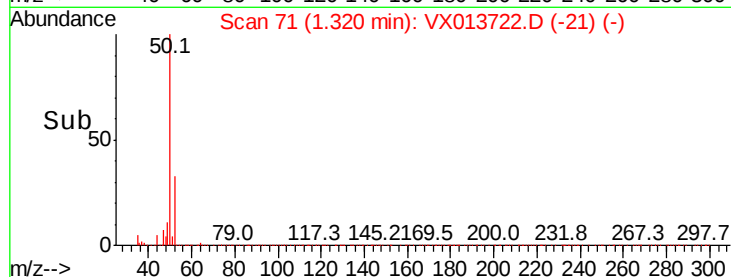
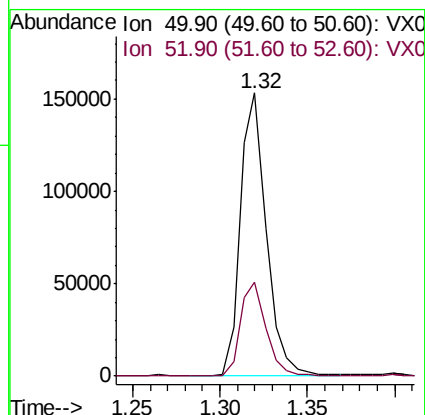
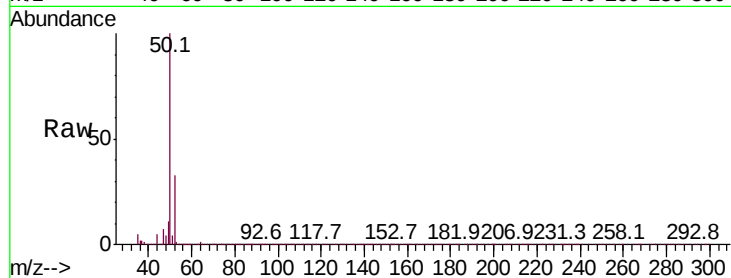
ClientSampleId :

Tot Ion: 50 Resp: 156558

Ion Ratio Lower Upper

50 100

52 32.9 26.0 39.0



#4

Vinyl Chloride

Concen: 19.268 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013722.D

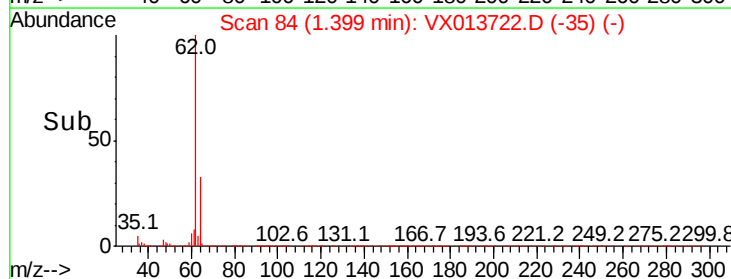
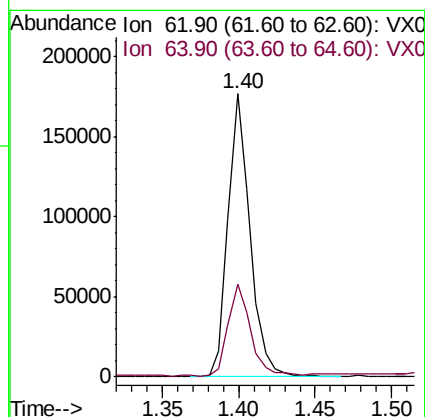
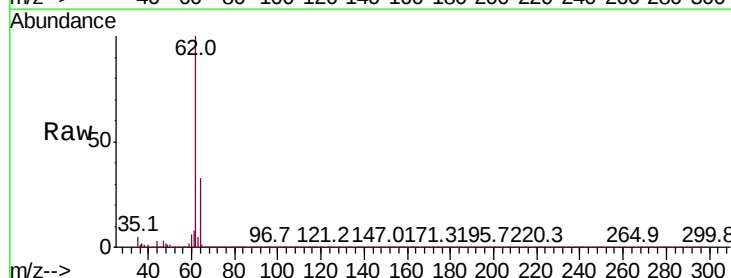
Acq: 03 Dec 2019 14:14

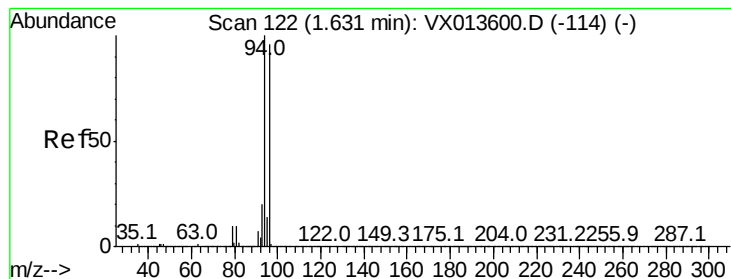
Tgt Ion: 62 Resp: 174733

Ion Ratio Lower Upper

62 100

64 32.4 26.0 39.0





#5

Bromomethane

Concen: 15.774 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

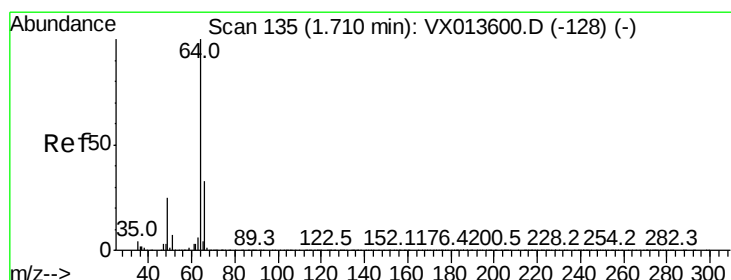
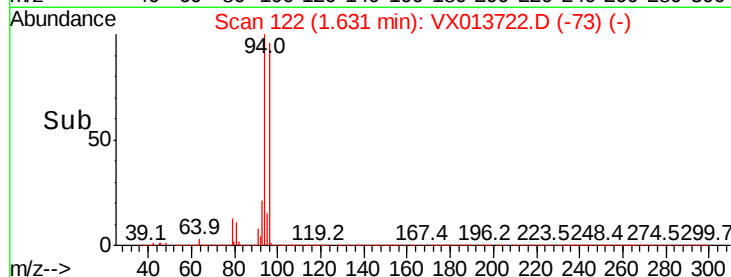
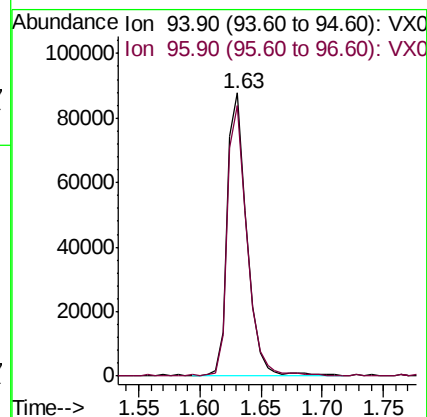
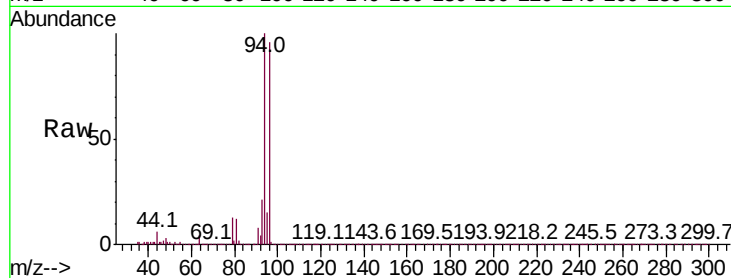
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 94 Resp: 96069

Ion Ratio Lower Upper

94 100

96 95.8 77.0 115.4



#6

Chloroethane

Concen: 18.879 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013722.D

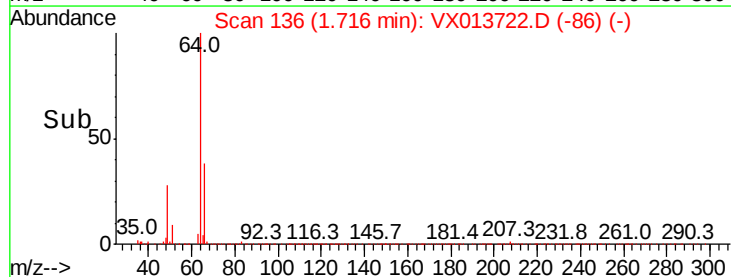
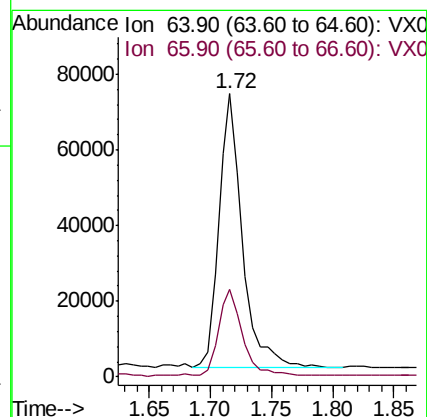
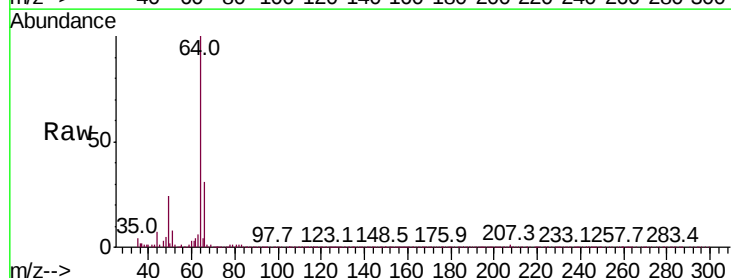
Acq: 03 Dec 2019 14:14

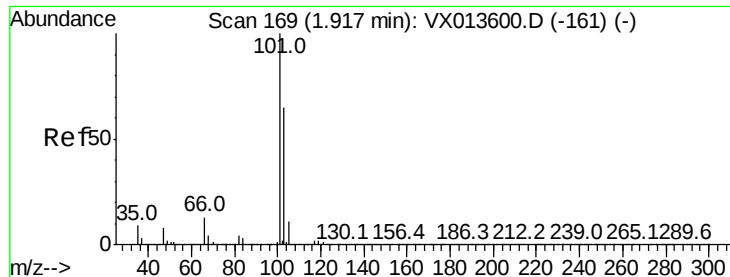
Tgt Ion: 64 Resp: 97423

Ion Ratio Lower Upper

64 100

66 31.4 26.7 40.1



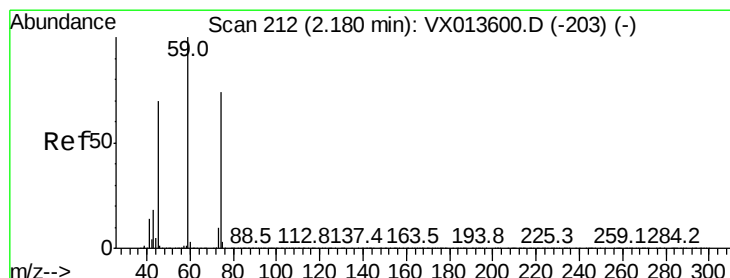
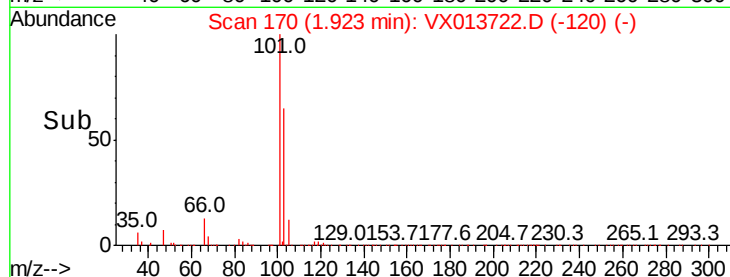
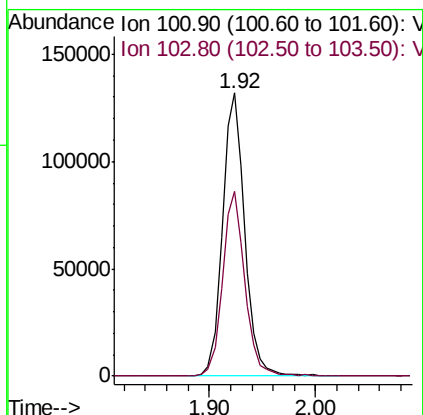
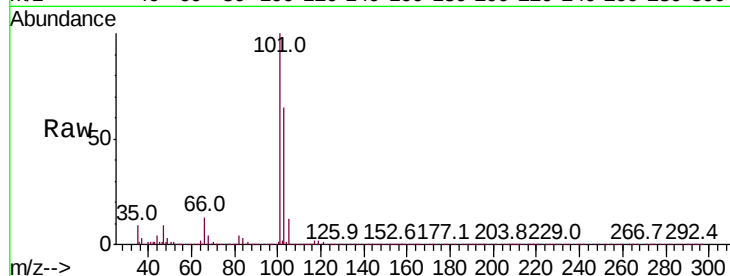


#7

Trichlorofluoromethane  
Concen: 18.989 ug/l  
RT: 1.92 min Scan# 170  
Delta R.T. 0.01 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

Instrument :  
MSVOA\_X  
ClientSampleId :

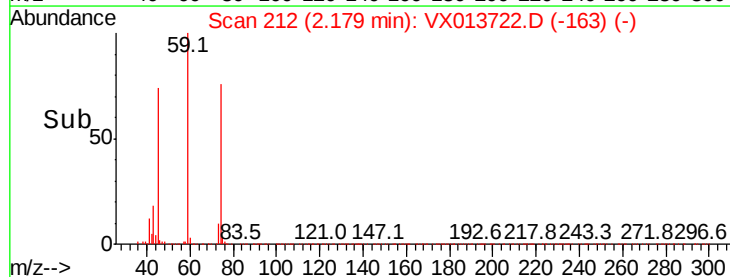
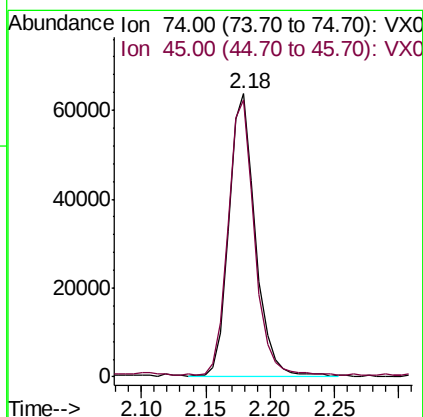
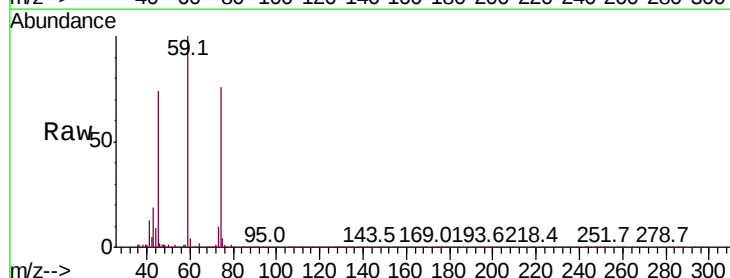
Tot Ion:101 Resp: 191218  
Ion Ratio Lower Upper  
101 100  
103 65.0 51.8 77.6

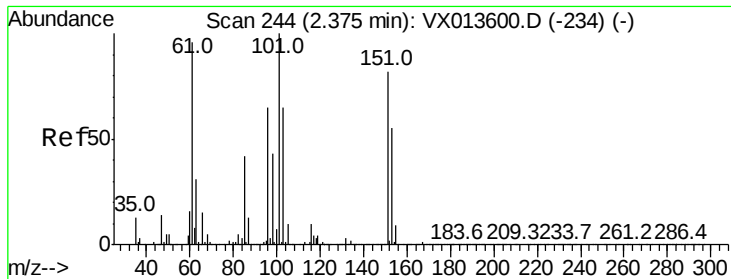


#8

Diethyl Ether  
Concen: 19.902 ug/l  
RT: 2.18 min Scan# 212  
Delta R.T. -0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

Tgt Ion: 74 Resp: 90665  
Ion Ratio Lower Upper  
74 100  
45 99.0 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.341 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

Instrument :

MSVOA\_X

ClientSampleId :

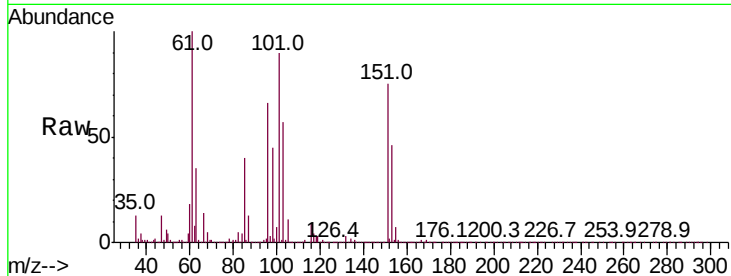
Tot Ion:101 Resp: 118962

Ion Ratio Lower Upper

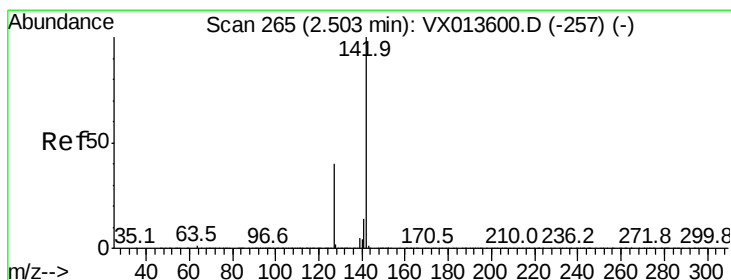
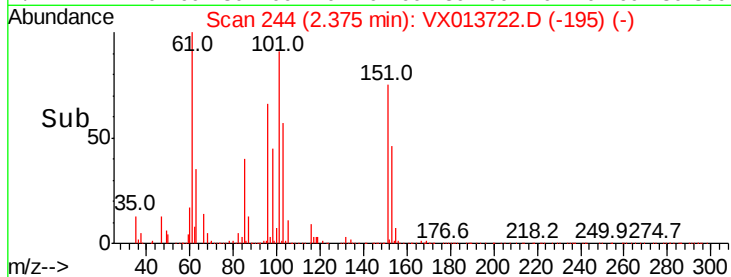
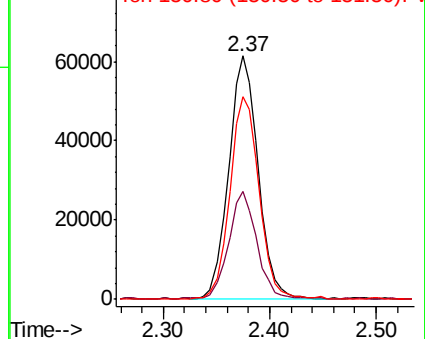
101 100

85 41.6 33.9 50.9

151 83.4 64.2 96.2



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: 16.707 ug/l

RT: 2.50 min Scan# 265

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

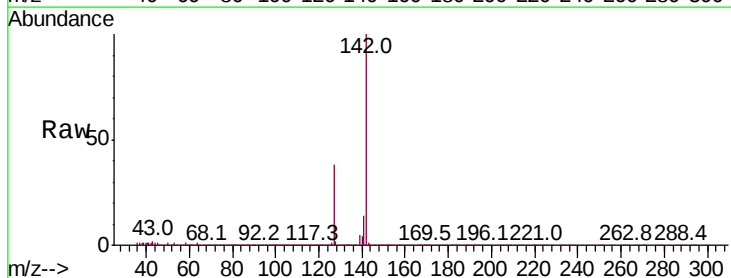
Tgt Ion:142 Resp: 124305

Ion Ratio Lower Upper

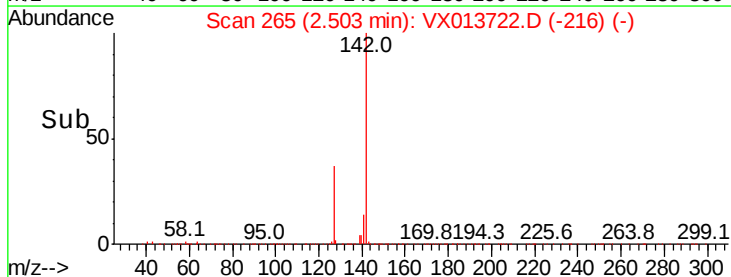
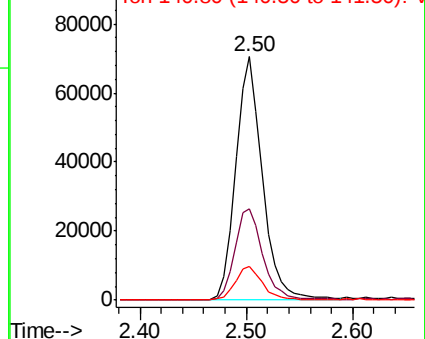
142 100

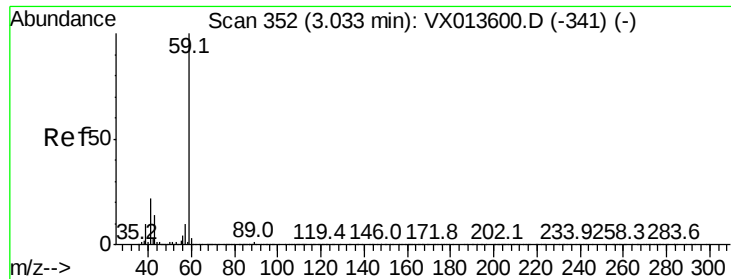
127 39.1 31.0 46.4

141 14.1 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

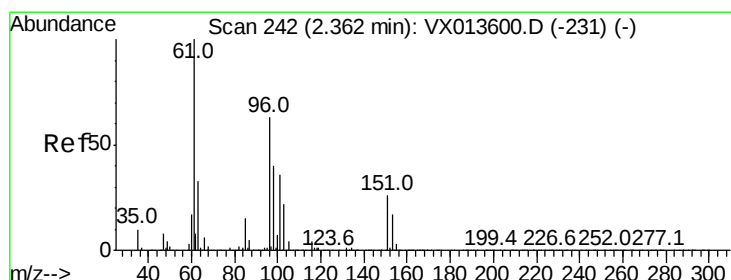
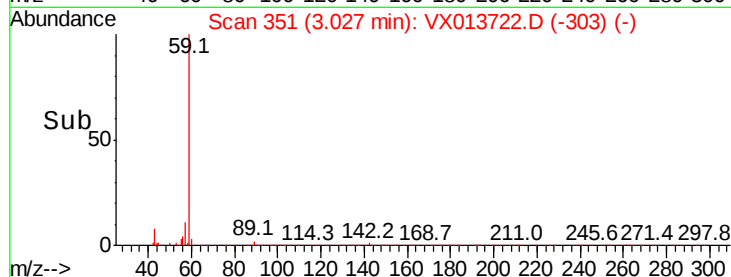
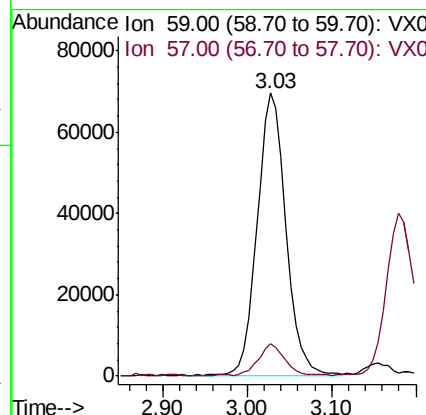
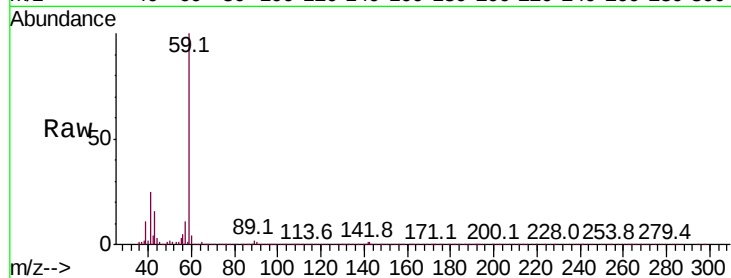




#11  
Tert butyl alcohol  
Concen: 87.148 ug/l  
RT: 3.03 min Scan# 351  
Delta R.T. -0.01 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

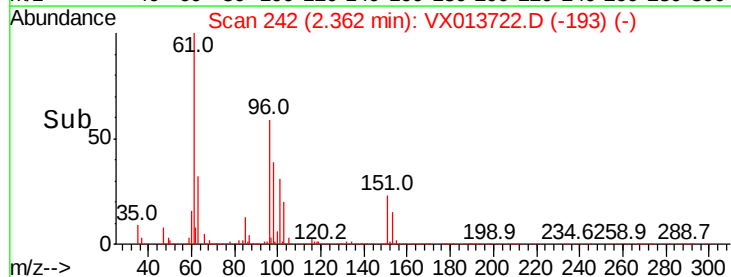
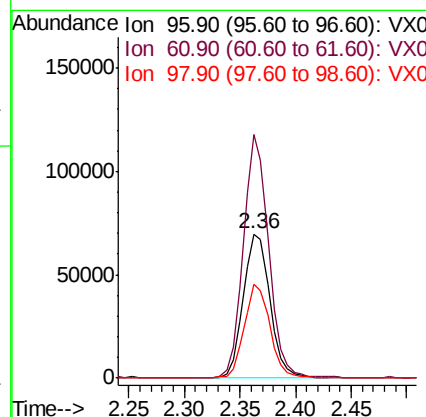
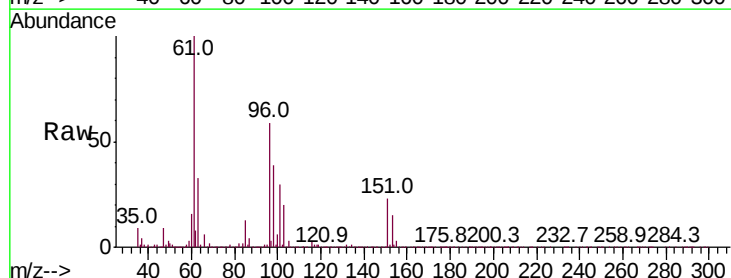
Instrument :  
MSVOA\_X  
ClientSampleId :

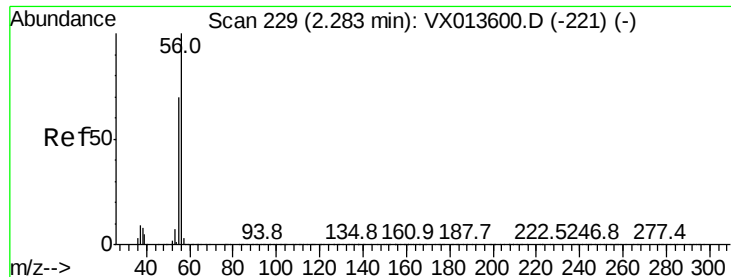
Tot Ion: 59 Resp: 161085  
Ion Ratio Lower Upper  
59 100  
57 9.7 7.8 11.6



#12  
1,1-Dichloroethene  
Concen: 18.772 ug/l  
RT: 2.36 min Scan# 242  
Delta R.T. -0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

Tgt Ion: 96 Resp: 115251  
Ion Ratio Lower Upper  
96 100  
61 169.0 126.6 190.0  
98 65.3 50.6 76.0

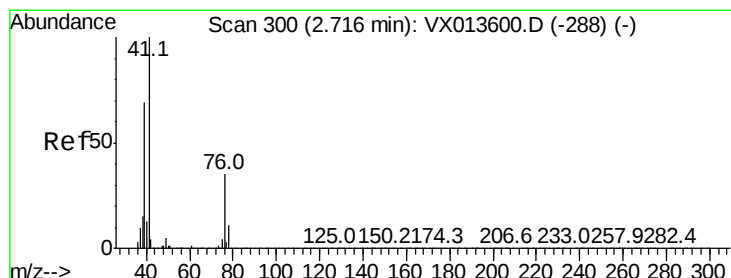
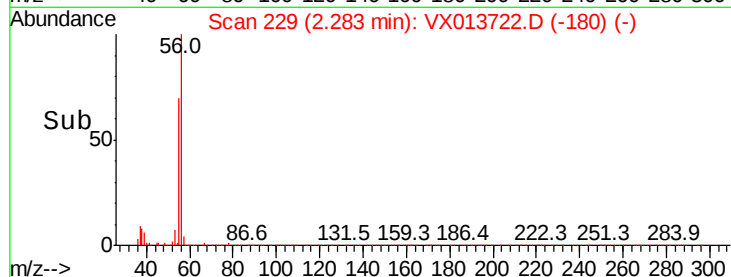
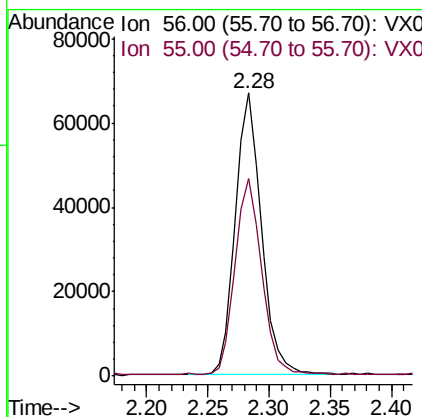
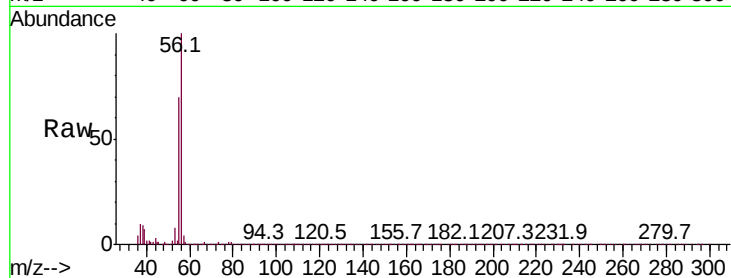




#13  
Acrolein  
Concen: 84.244 ug/l  
RT: 2.28 min Scan# 229  
Delta R.T. 0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

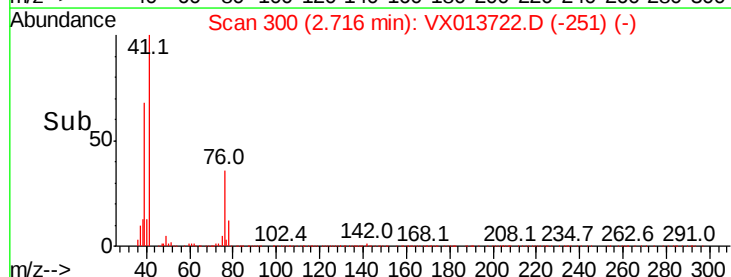
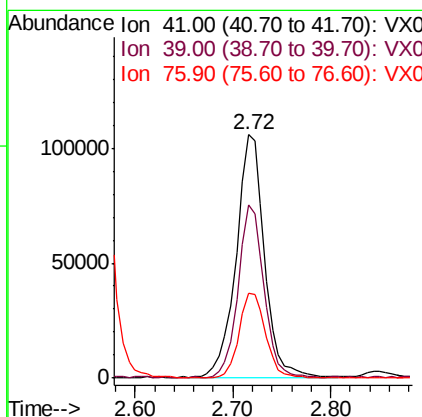
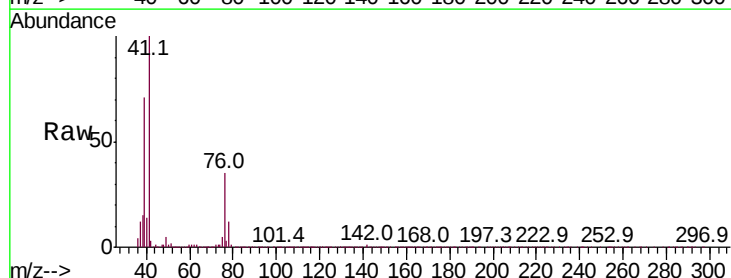
Instrument :  
MSVOA\_X  
ClientSampleId :

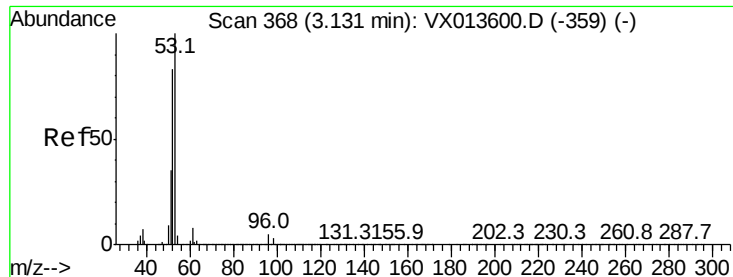
Tot Ion: 56 Resp: 99097  
Ion Ratio Lower Upper  
56 100  
55 70.3 56.2 84.4



#14  
Allyl chloride  
Concen: 18.957 ug/l  
RT: 2.72 min Scan# 300  
Delta R.T. -0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

Tgt Ion: 41 Resp: 211213  
Ion Ratio Lower Upper  
41 100  
39 64.5 51.7 77.5  
76 32.3 25.9 38.9





#15

Acrylonitrile

Concen: 97.894 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

Instrument :

MSVOA\_X

ClientSampleId :

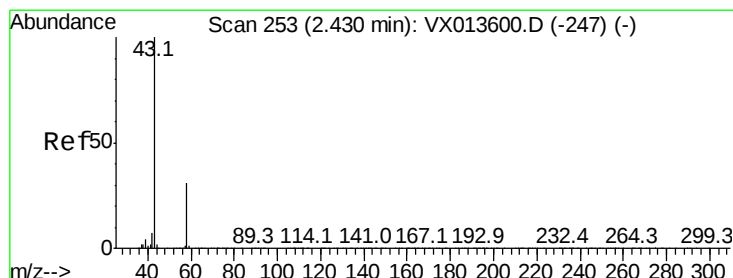
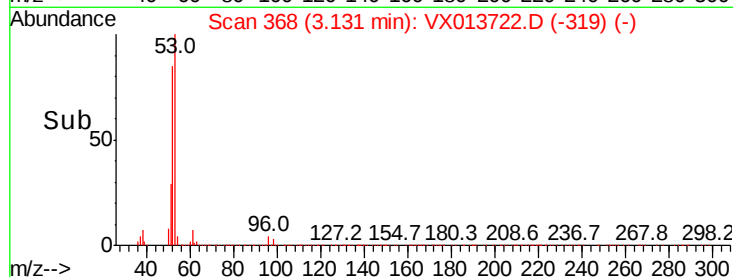
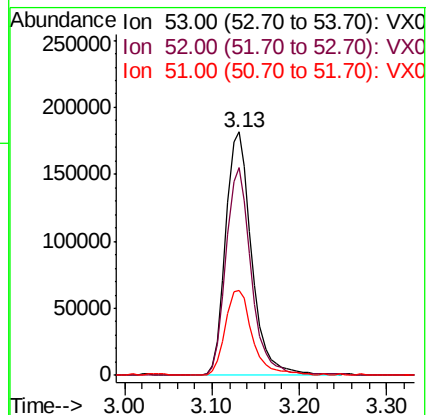
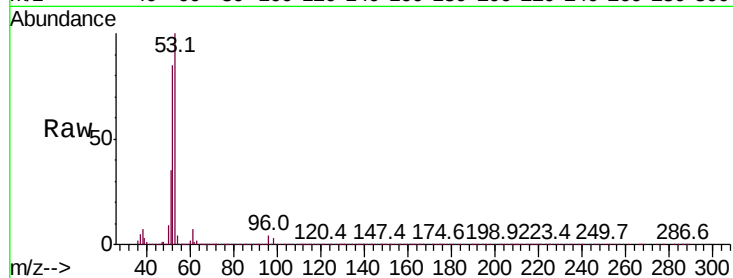
Tot Ion: 53 Resp: 373507

Ion Ratio Lower Upper

53 100

52 82.8 66.2 99.2

51 36.2 29.0 43.6



#16

Acetone

Concen: 110.618 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013722.D

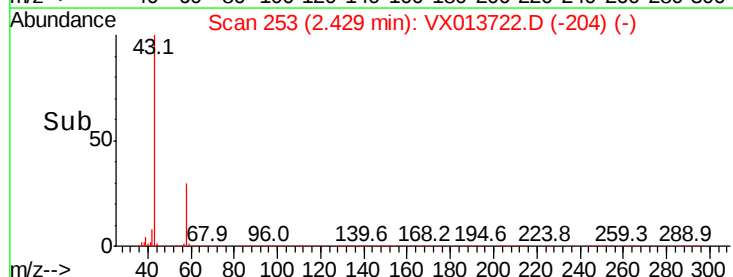
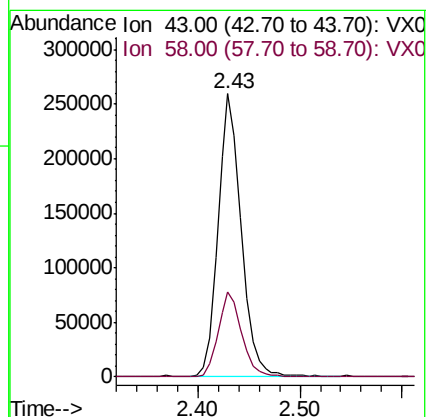
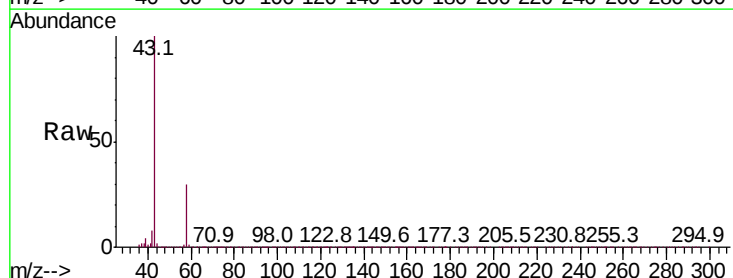
Acq: 03 Dec 2019 14:14

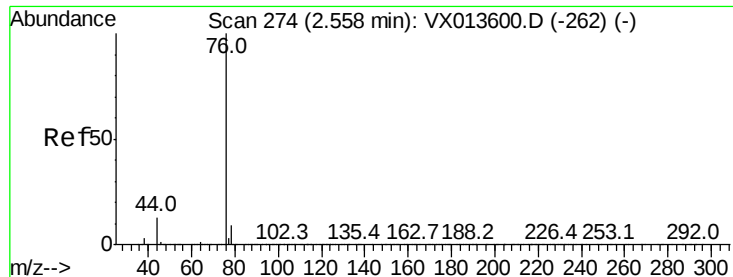
Tgt Ion: 43 Resp: 408973

Ion Ratio Lower Upper

43 100

58 29.9 24.6 36.8





#17

Carbon Disulfide

Concen: 17.514 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

Instrument :

MSVOA\_X

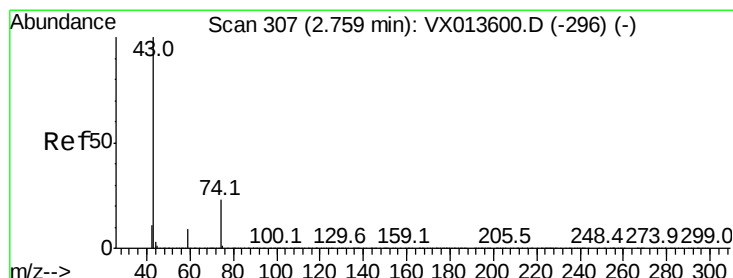
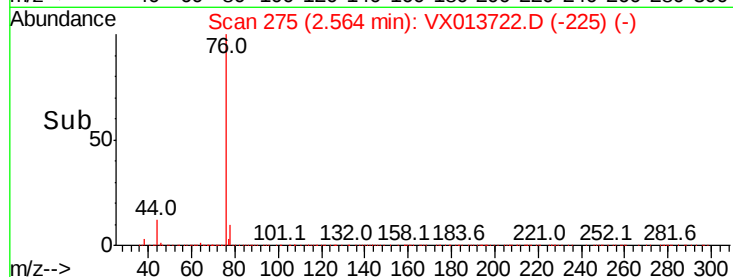
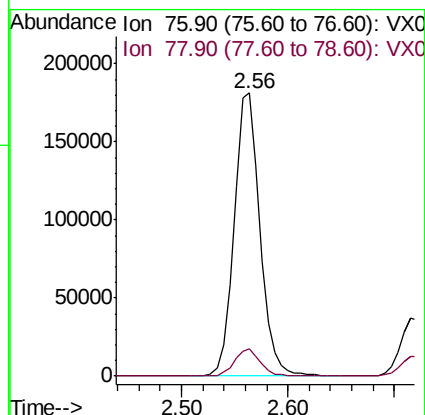
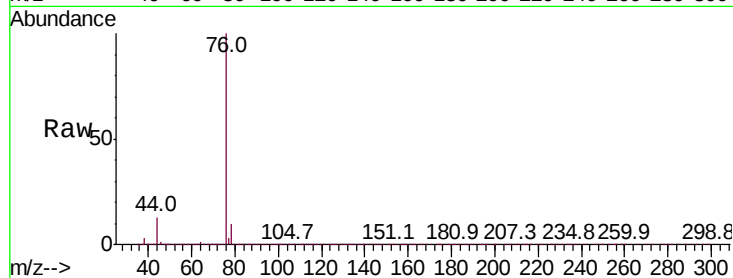
ClientSampleId :

Tot Ion: 76 Resp: 306534

Ion Ratio Lower Upper

76 100

78 9.6 7.2 10.8



#18

Methyl Acetate

Concen: 20.833 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX013722.D

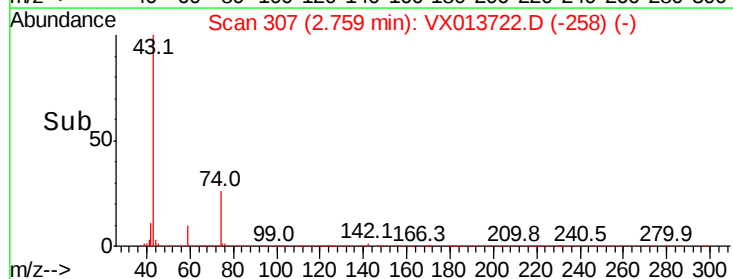
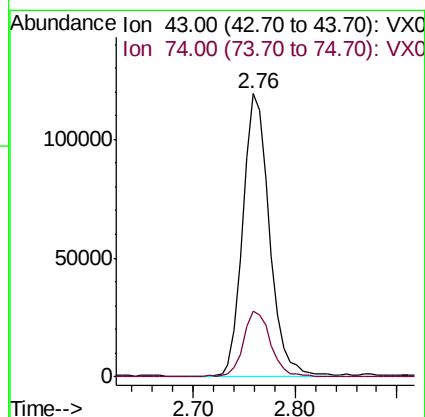
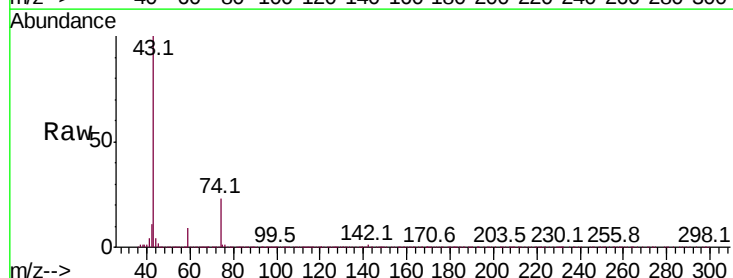
Acq: 03 Dec 2019 14:14

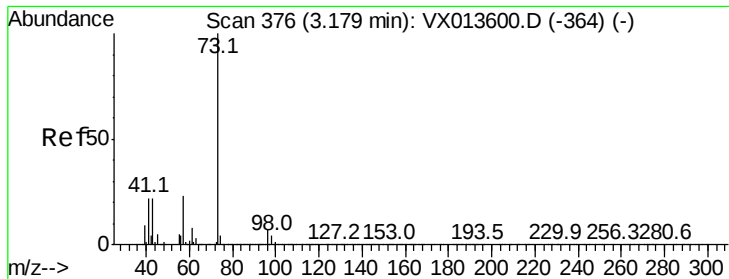
Tgt Ion: 43 Resp: 214482

Ion Ratio Lower Upper

43 100

74 24.2 19.5 29.3

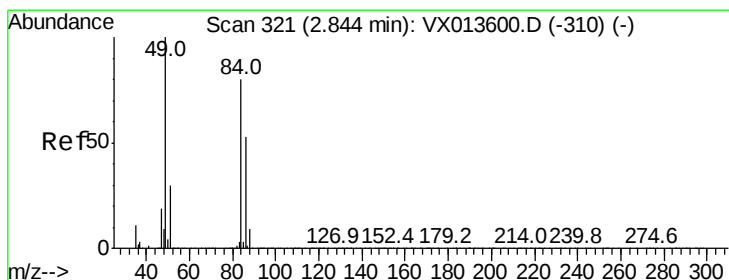
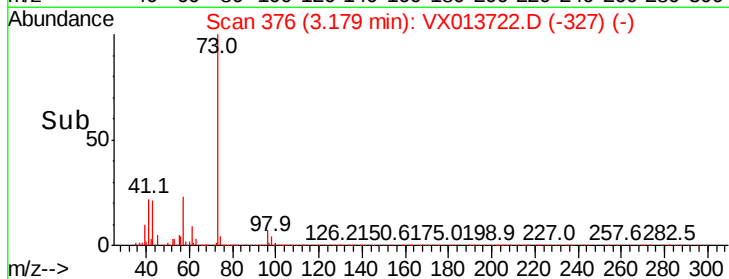
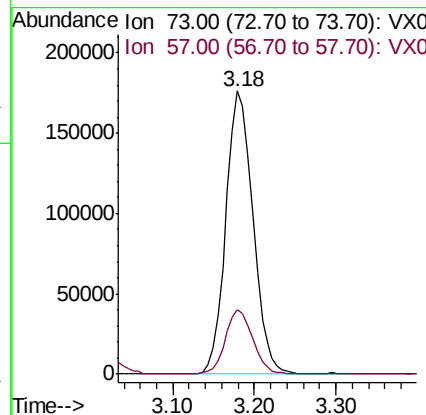
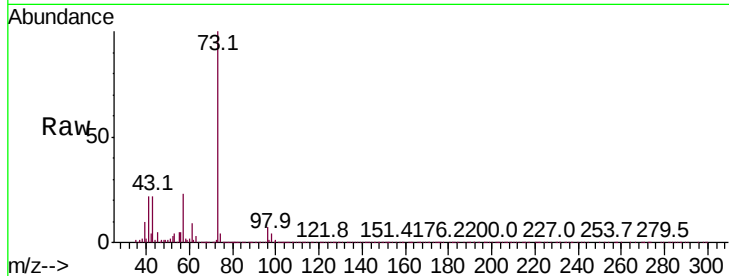




#19  
Methvl tert-butvl Ether  
Concen: 19.877 ug/l  
RT: 3.18 min Scan# 376  
Delta R.T. -0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

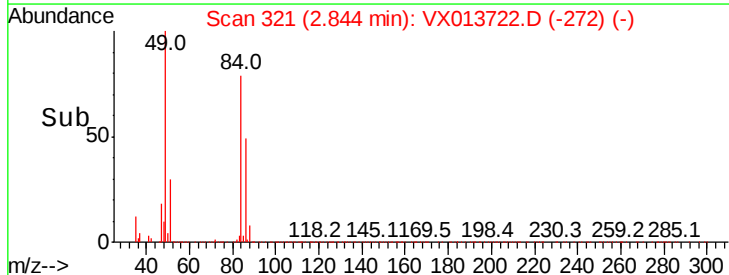
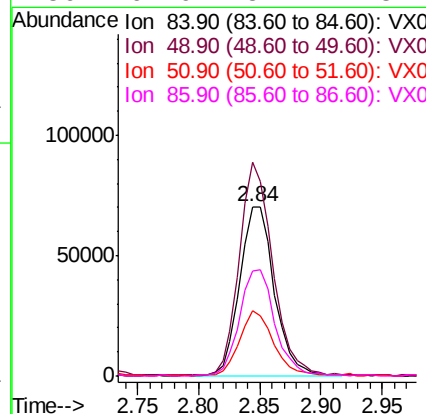
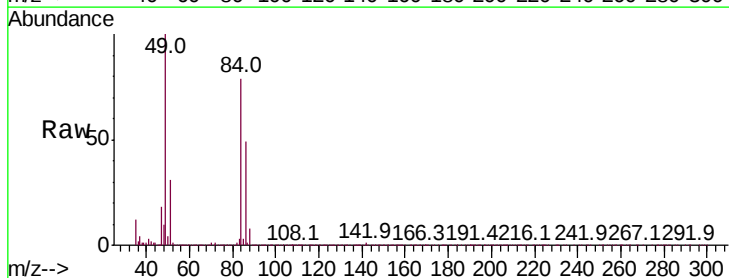
Instrument :  
MSVOA\_X  
ClientSampleId :

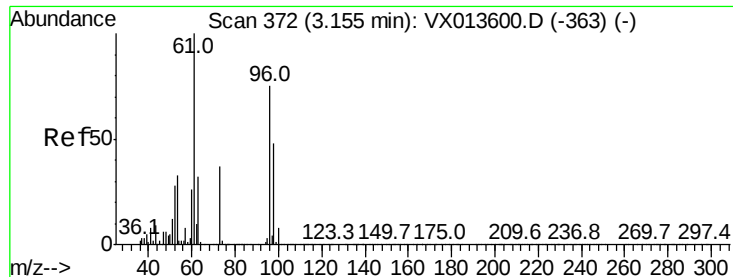
Tot Ion: 73 Resp: 404268  
Ion Ratio Lower Upper  
73 100  
57 22.8 18.3 27.5



#20  
Methylene Chloride  
Concen: 19.514 ug/l  
RT: 2.84 min Scan# 321  
Delta R.T. -0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

Tgt Ion: 84 Resp: 138605  
Ion Ratio Lower Upper  
84 100  
49 125.9 99.7 149.5  
51 38.3 29.9 44.9  
86 61.9 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 18.884 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

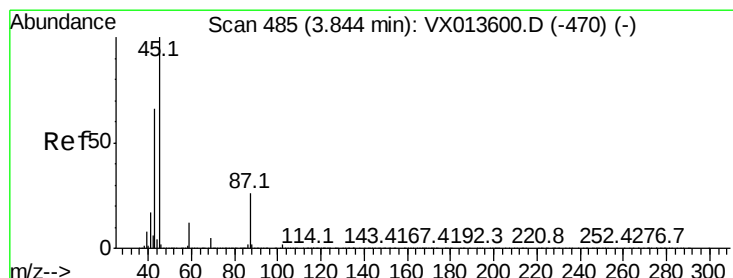
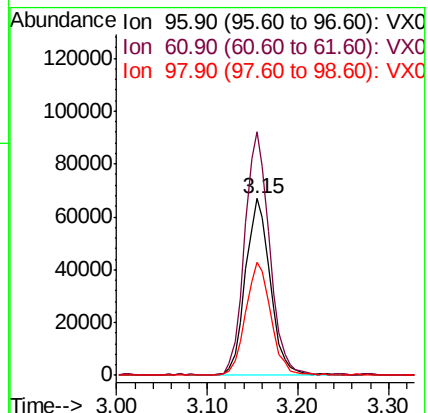
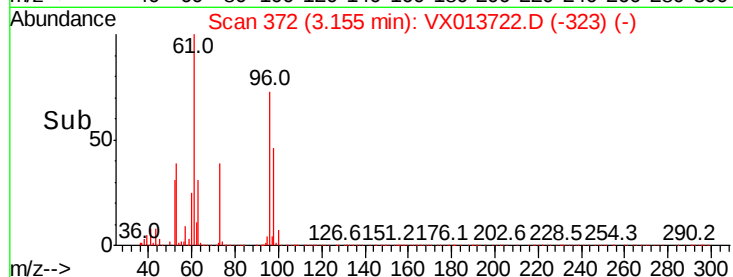
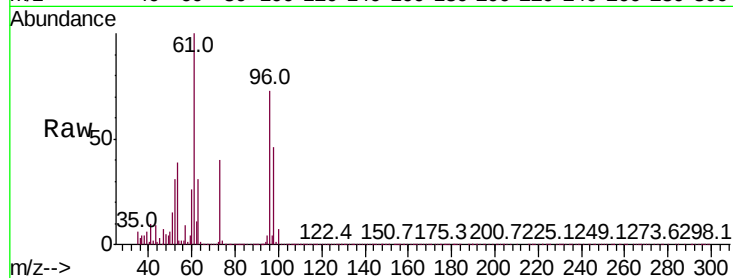
Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 96 Resp: 126301

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 137.8 | 107.2 | 160.8 |
| 98  | 63.7  | 51.4  | 77.0  |



#22

Diisopropyl ether

Concen: 20.321 ug/l

RT: 3.84 min Scan# 485

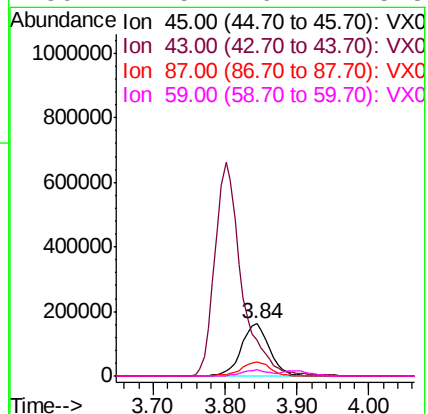
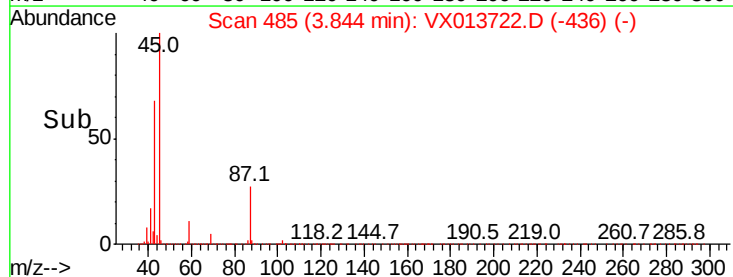
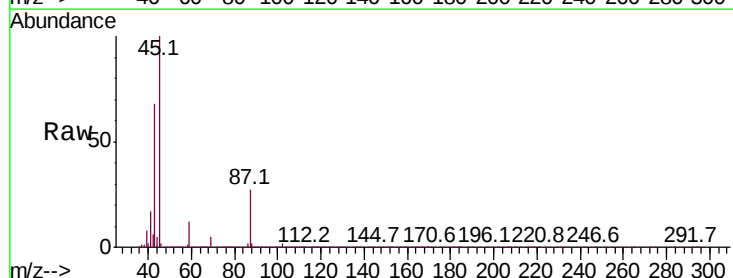
Delta R.T. -0.00 min

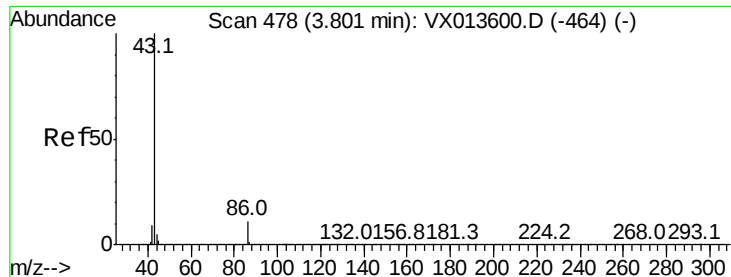
Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

Tgt Ion: 45 Resp: 435956

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 43  | 67.3  | 52.6  | 79.0  |
| 87  | 26.6  | 21.1  | 31.7  |
| 59  | 11.5  | 9.2   | 13.8  |

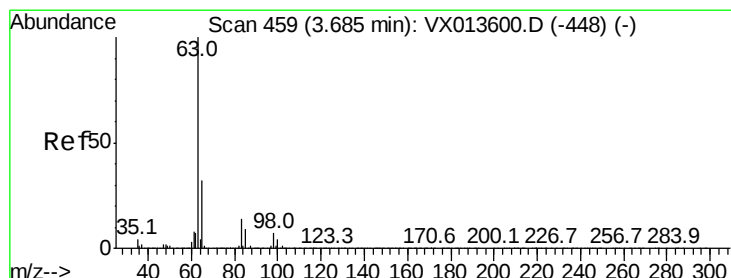
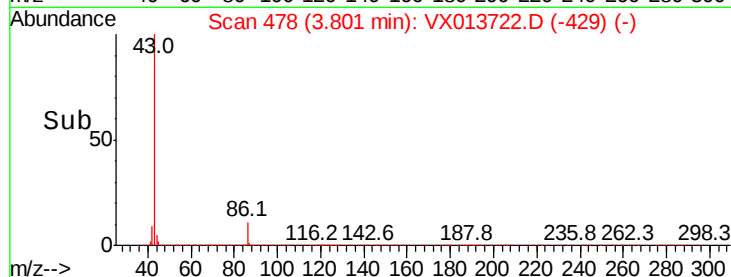
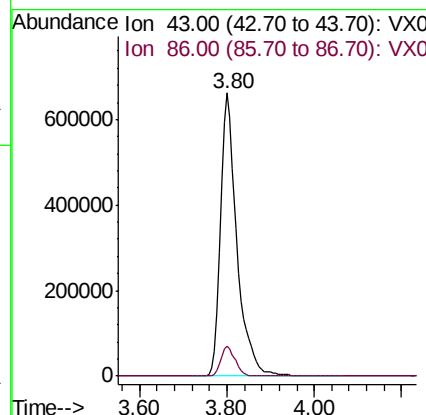
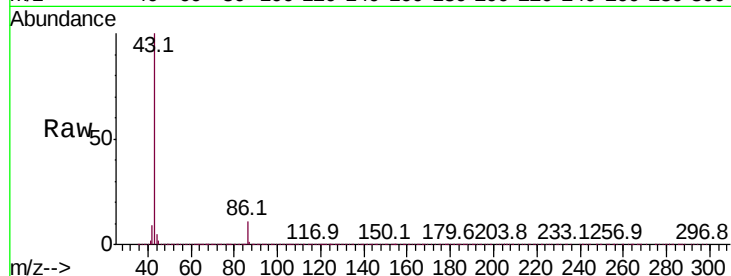




#23  
 Vinyl Acetate  
 Concen: 95.799 ug/l  
 RT: 3.80 min Scan# 478  
 Delta R.T. -0.00 min  
 Lab File: VX013722.D  
 Acq: 03 Dec 2019 14:14

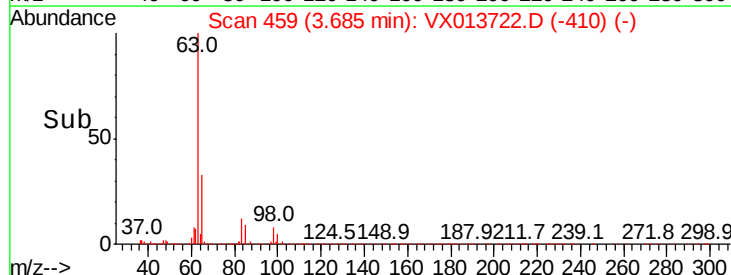
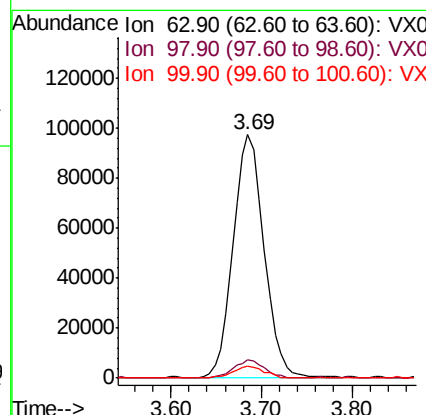
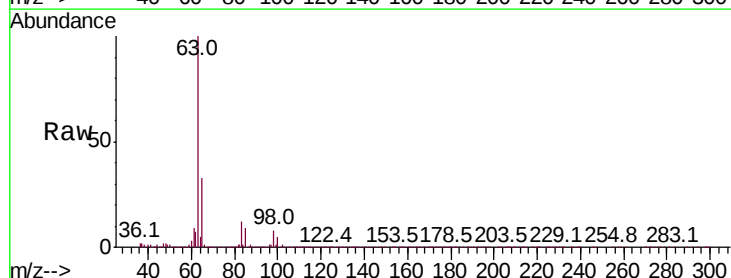
Instrument :  
 MSVOA\_X  
 ClientSampleId :

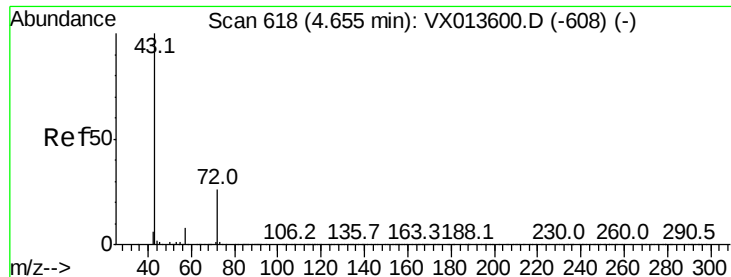
Tot Ion: 43 Resp: 1709733  
 Ion Ratio Lower Upper  
 43 100  
 86 10.7 8.7 13.1



#24  
 1,1-Dichloroethane  
 Concen: 19.563 ug/l  
 RT: 3.69 min Scan# 459  
 Delta R.T. -0.00 min  
 Lab File: VX013722.D  
 Acq: 03 Dec 2019 14:14

Tgt Ion: 63 Resp: 229433  
 Ion Ratio Lower Upper  
 63 100  
 98 7.7 3.5 10.4  
 100 4.8 2.1 6.3





#25

2-Butanone

Concen: 102.643 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

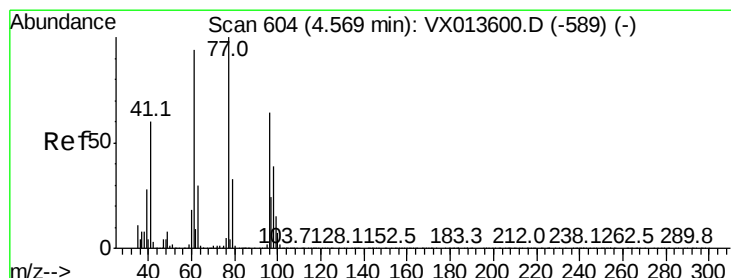
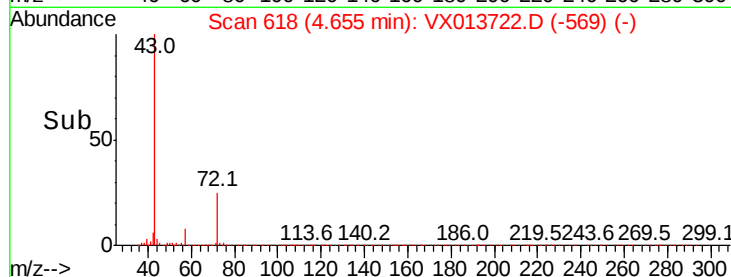
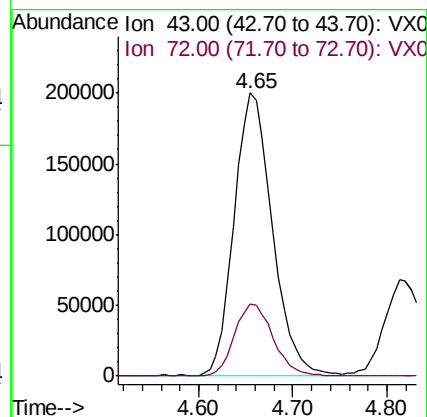
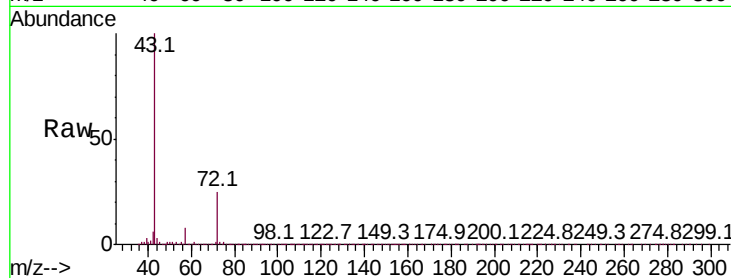
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 43 Resp: 563989

Ion Ratio Lower Upper

43 100

72 25.0 20.6 31.0



#26

2,2-Dichloropropane

Concen: 18.381 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013722.D

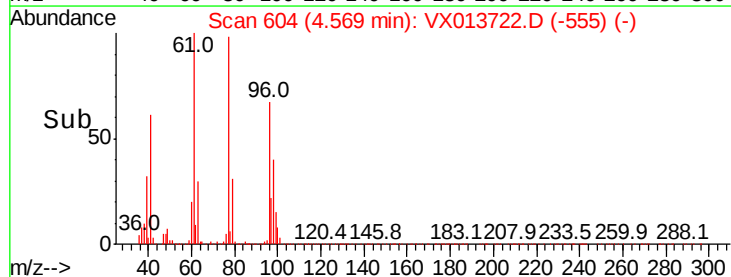
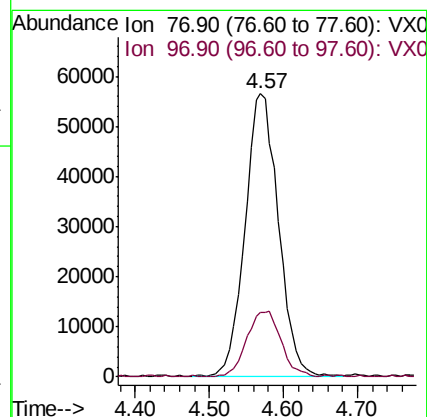
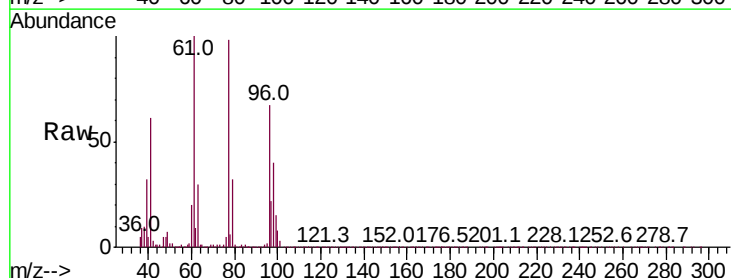
Acq: 03 Dec 2019 14:14

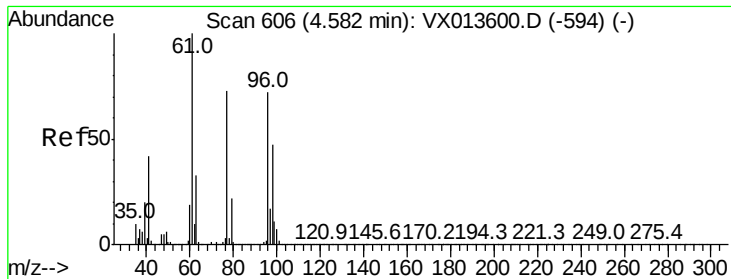
Tgt Ion: 77 Resp: 178356

Ion Ratio Lower Upper

77 100

97 23.2 12.0 36.1



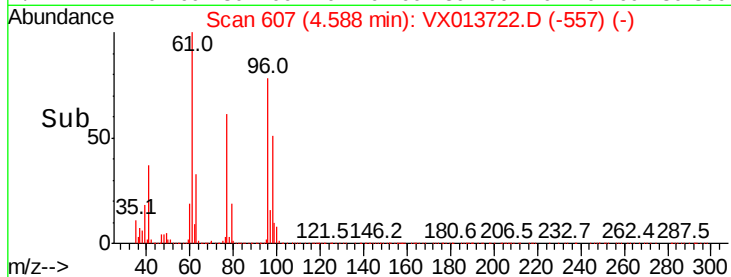
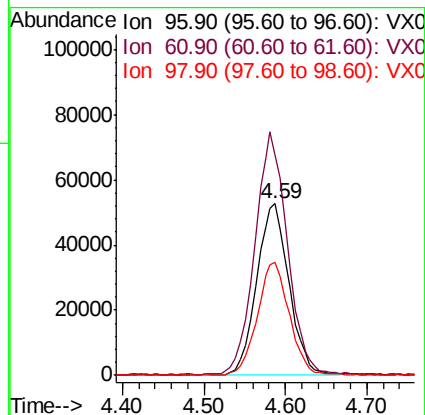
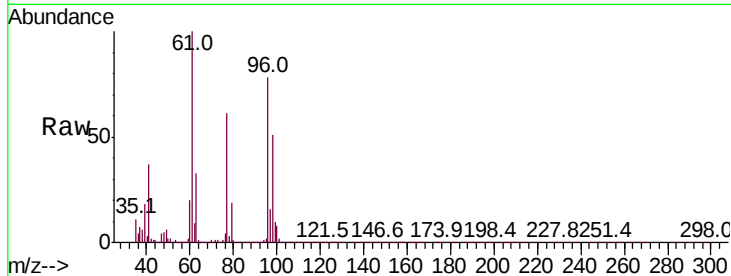


#27

cis-1,2-Dichloroethene  
Concen: 18.909 ug/l  
RT: 4.59 min Scan# 607  
Delta R.T. 0.01 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

Instrument :  
MSVOA\_X  
ClientSampleId :

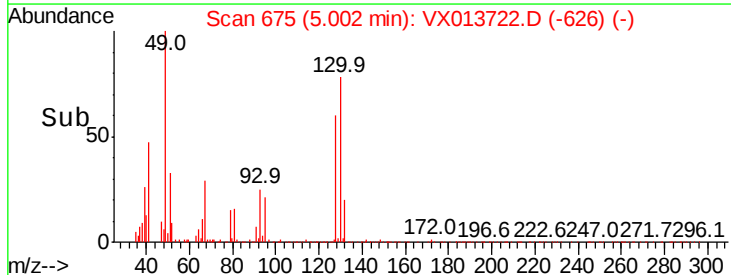
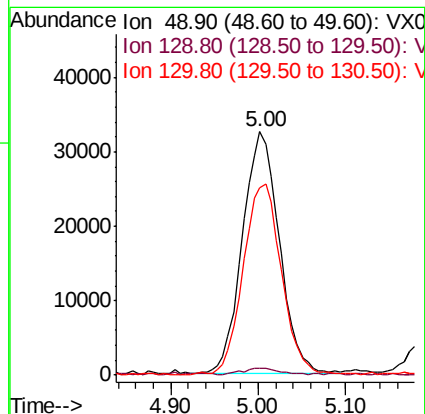
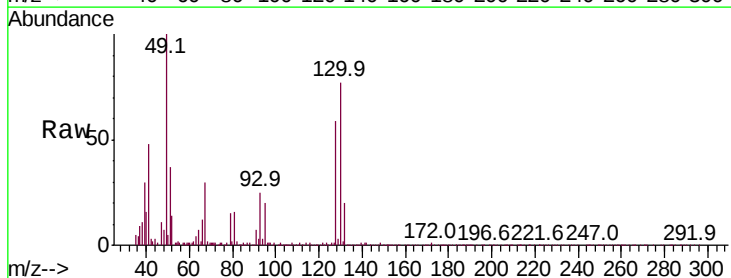
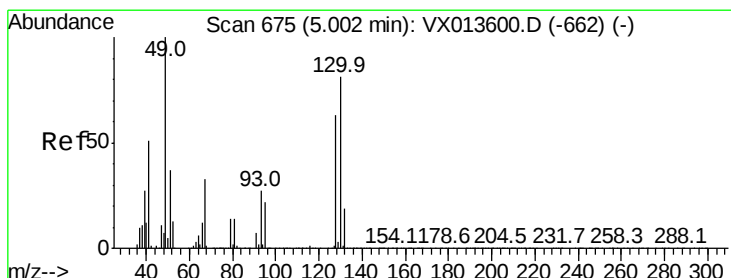
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 142.2 | 0.0   | 286.4 |
| 98      | 64.3  | 0.0   | 127.4 |

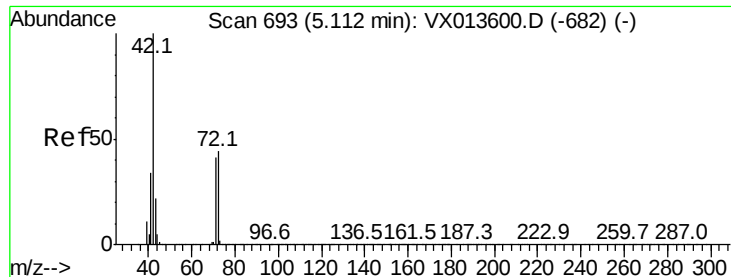


#28

Bromochloromethane  
Concen: 20.545 ug/l  
RT: 5.00 min Scan# 675  
Delta R.T. 0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 3.0   | 0.0   | 5.0   |
| 130     | 81.8  | 65.4  | 98.0  |

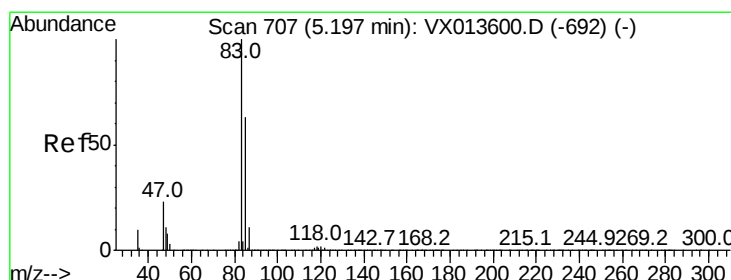
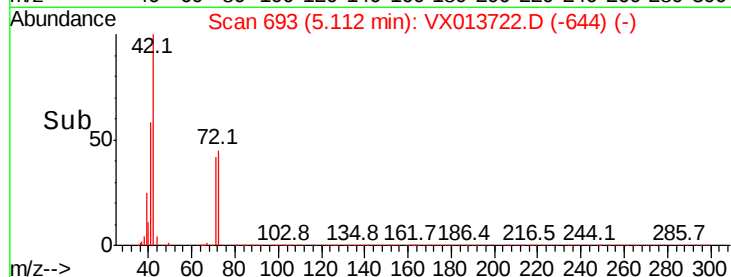
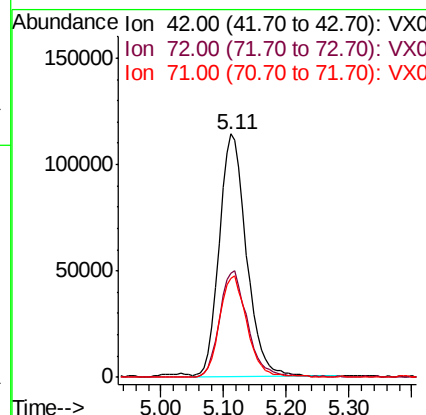
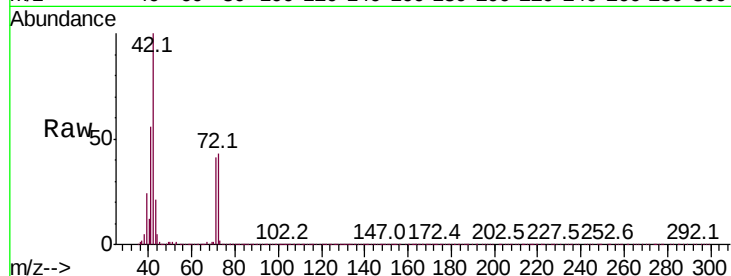




#29  
Tetrahydrofuran  
Concen: 100.991 ug/l  
RT: 5.11 min Scan# 693  
Delta R.T. -0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

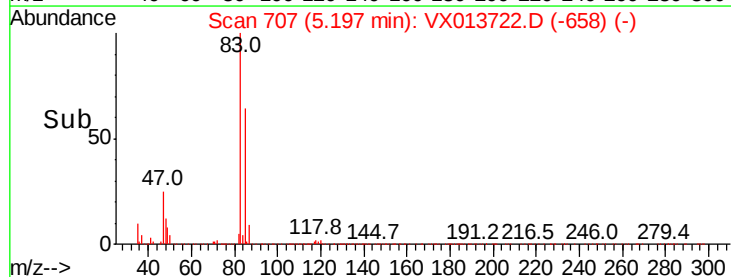
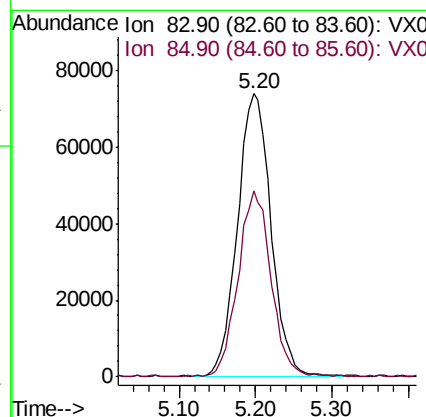
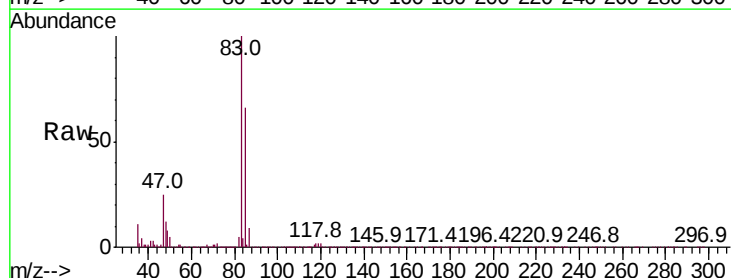
Instrument :  
MSVOA\_X  
ClientSampleId :

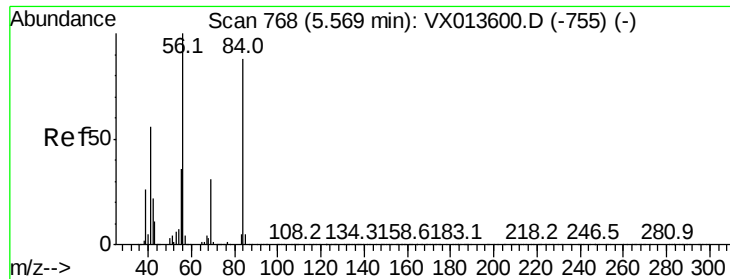
Tot Ion: 42 Resp: 342088  
Ion Ratio Lower Upper  
42 100  
72 44.7 36.3 54.5  
71 42.4 33.2 49.8



#30  
Chloroform  
Concen: 18.711 ug/l  
RT: 5.20 min Scan# 707  
Delta R.T. -0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

Tgt Ion: 83 Resp: 222546  
Ion Ratio Lower Upper  
83 100  
85 65.8 50.2 75.4

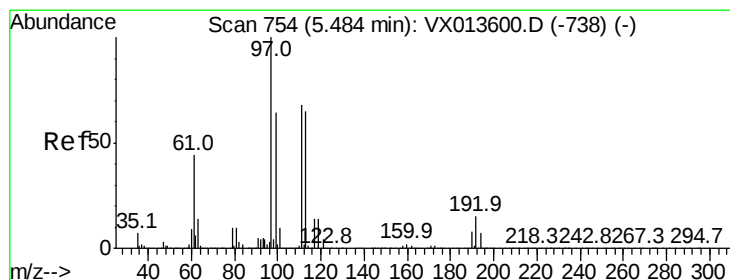
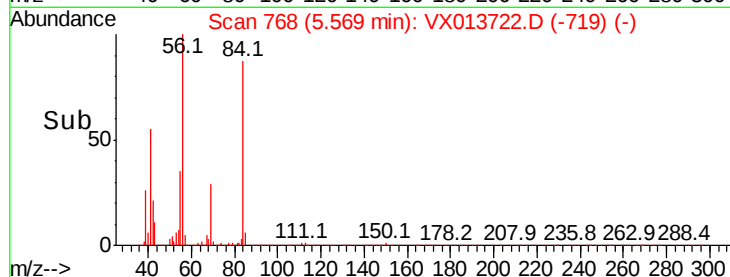
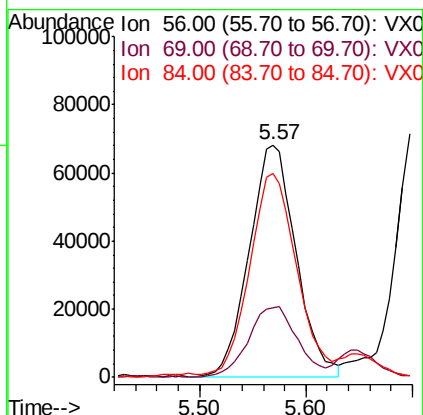
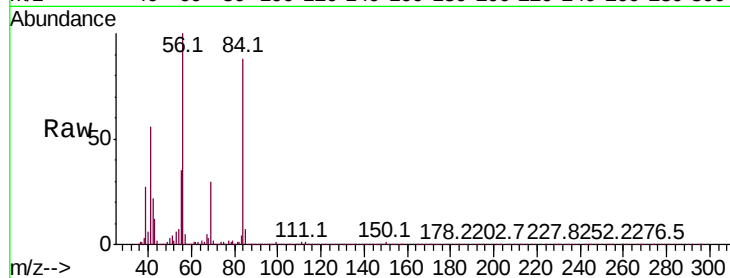




#31  
Cyclohexane  
Concen: 18.805 ug/l  
RT: 5.57 min Scan# 768  
Delta R.T. -0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

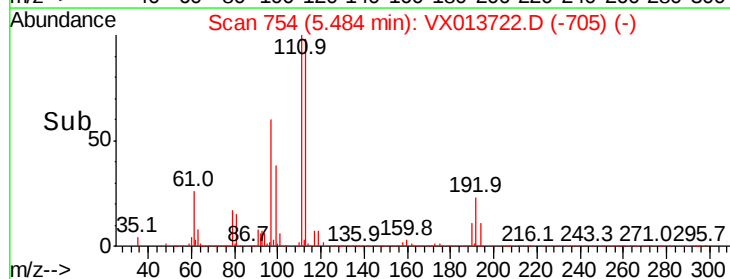
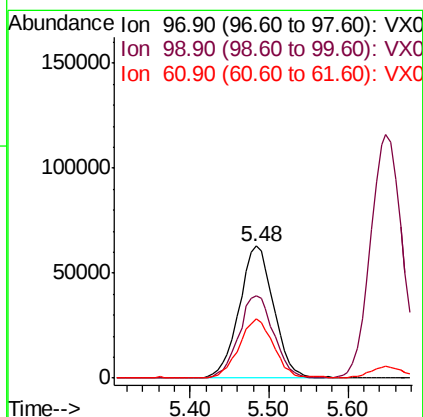
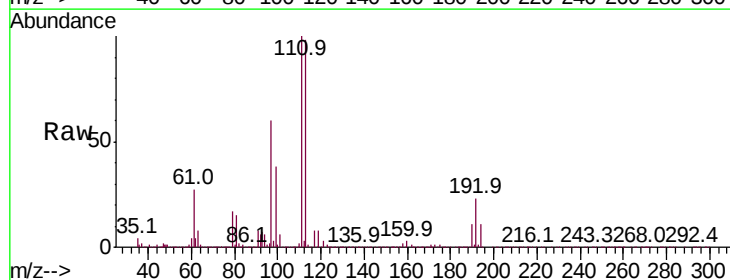
Instrument :  
MSVOA\_X  
ClientSampled :

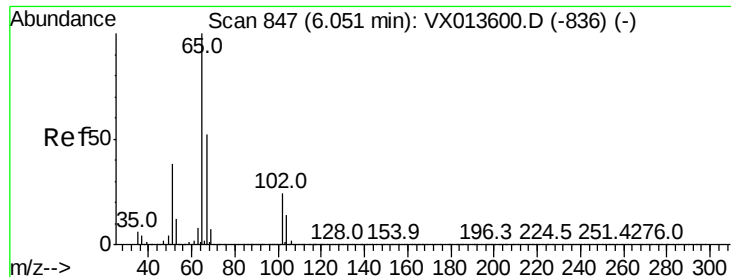
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 29.6  | 24.6  | 36.8  |
| 84      | 86.5  | 70.0  | 105.0 |



#32  
1,1,1-Trichloroethane  
Concen: 19.141 ug/l  
RT: 5.48 min Scan# 754  
Delta R.T. -0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 62.7  | 51.6  | 77.4  |
| 61      | 44.2  | 36.1  | 54.1  |





#33

1,2-Dichloroethane-d4

Concen: 46.930 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

Instrument :

MSVOA\_X

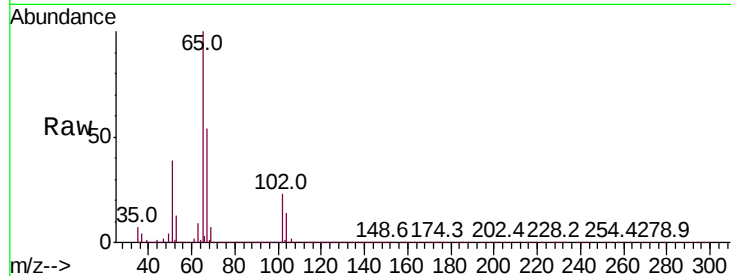
ClientSampleId :

Tot Ion: 65 Resp: 351431

Ion Ratio Lower Upper

65 100

67 52.9 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

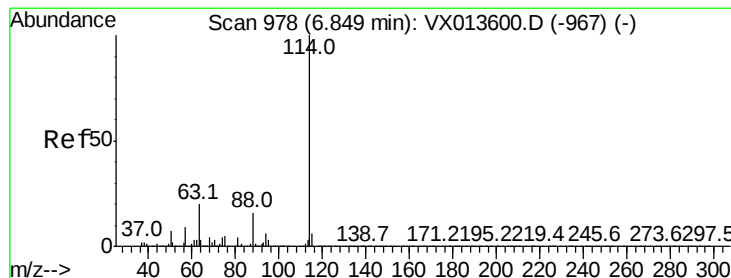
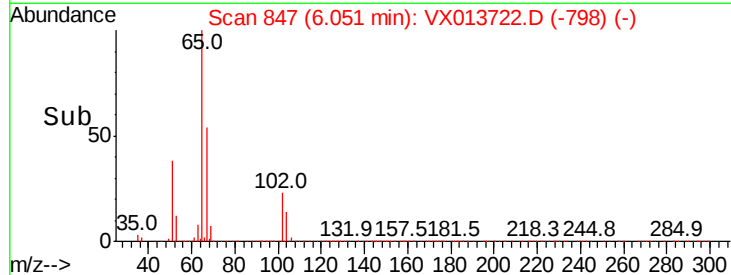
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

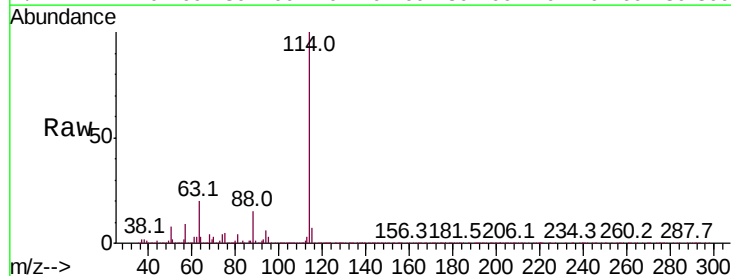
Tgt Ion: 114 Resp: 970367

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

88 15.1 0.0 31.4



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

500000

400000

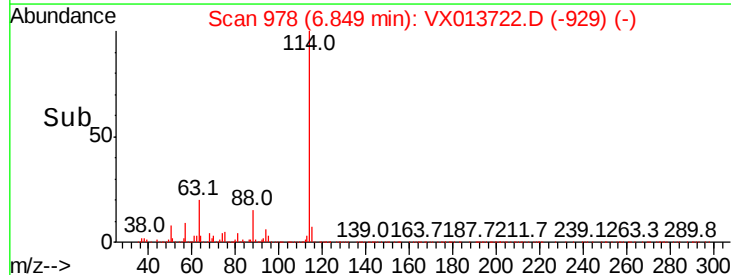
300000

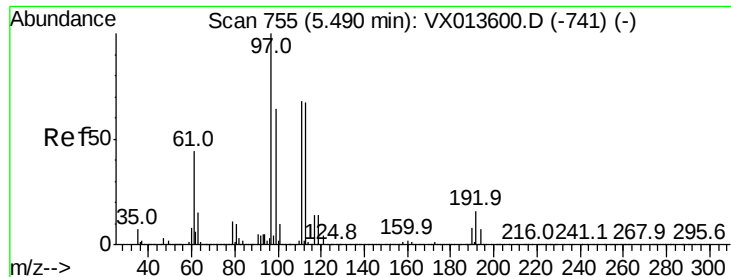
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 47.864 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

Instrument :  
MSVOA\_X  
ClientSampled :

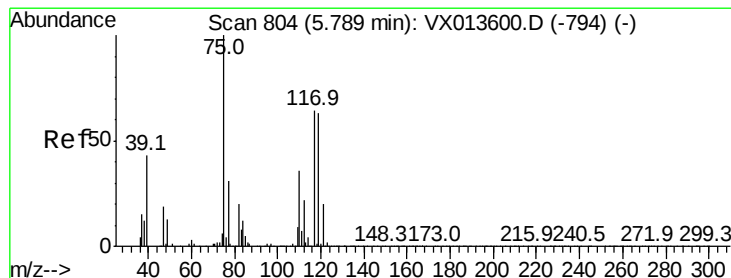
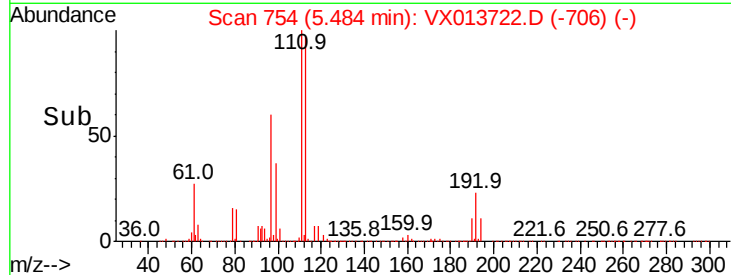
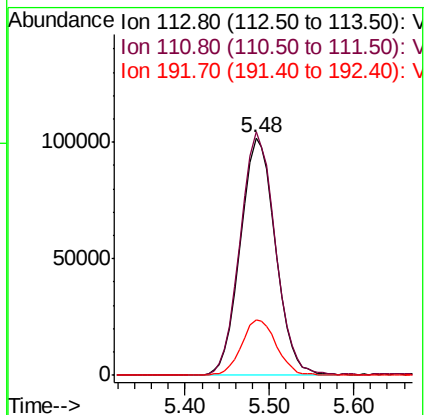
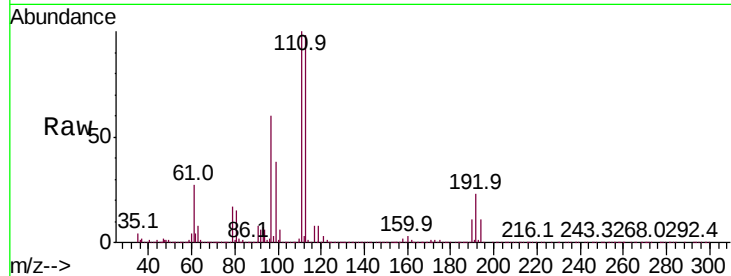
Tot Ion:113 Resp: 287130

Ion Ratio Lower Upper

113 100

111 102.2 83.6 125.4

192 23.6 19.2 28.8



#36

1,1-Dichloropropene

Concen: 19.224 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

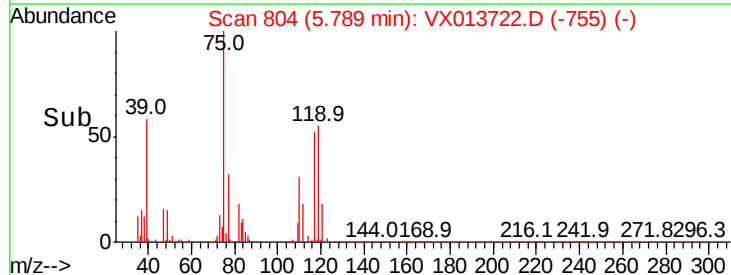
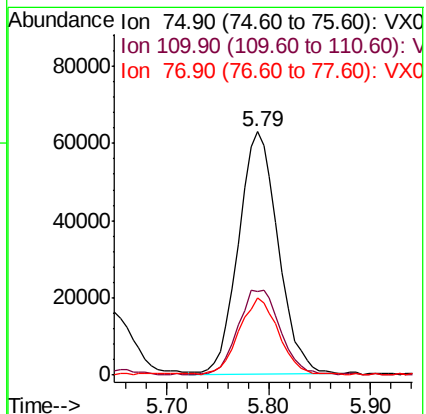
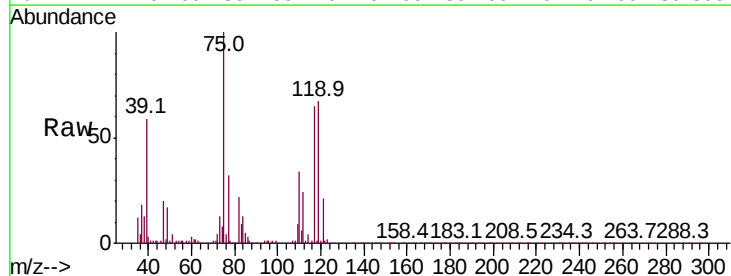
Tgt Ion: 75 Resp: 169332

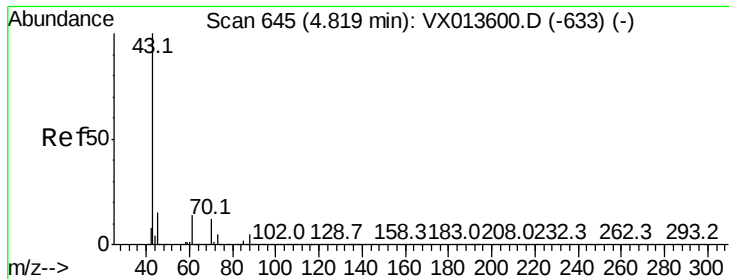
Ion Ratio Lower Upper

75 100

110 37.3 18.1 54.1

77 31.1 24.5 36.7

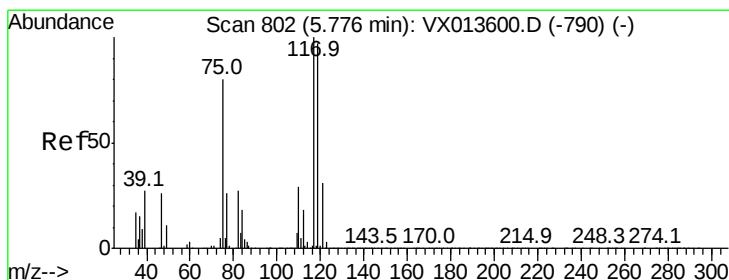
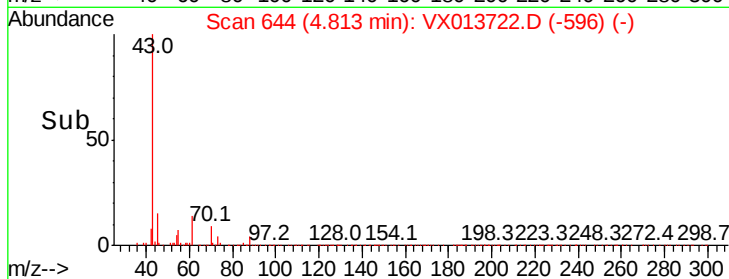
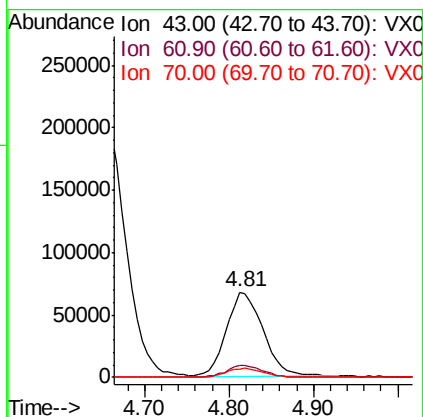
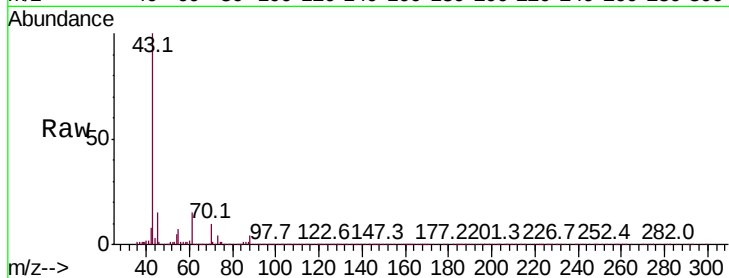




#37  
Ethyl Acetate  
Concen: 20.317 ug/l  
RT: 4.81 min Scan# 644  
Delta R.T. -0.01 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

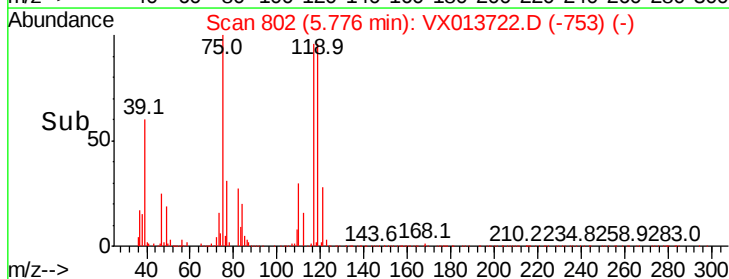
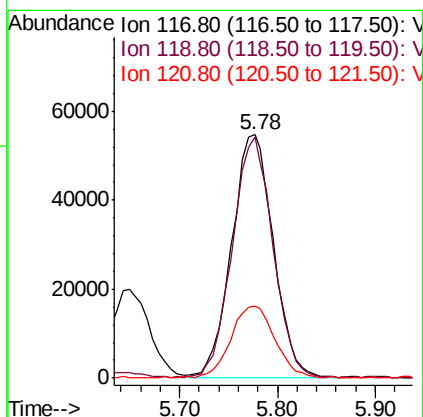
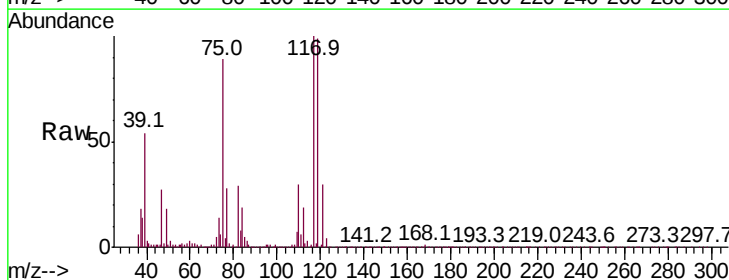
Instrument :  
MSVOA\_X  
ClientSampleId :

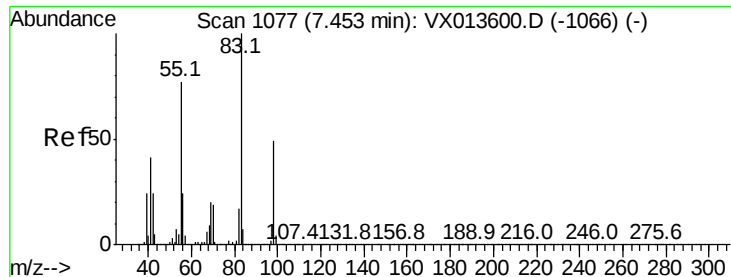
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.9  | 11.0  | 16.4  |
| 70      | 11.3  | 8.6   | 12.8  |



#38  
Carbon Tetrachloride  
Concen: 19.778 ug/l  
RT: 5.78 min Scan# 802  
Delta R.T. -0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 99.2  | 77.5  | 116.3 |
| 121     | 29.3  | 25.0  | 37.6  |

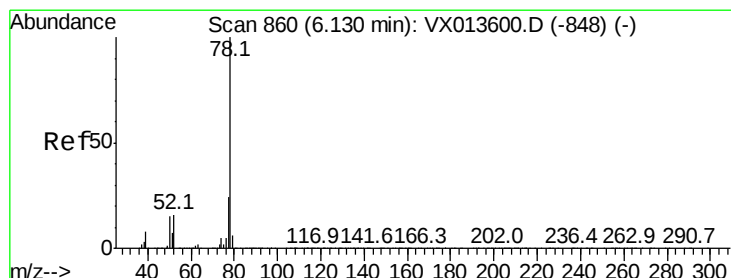
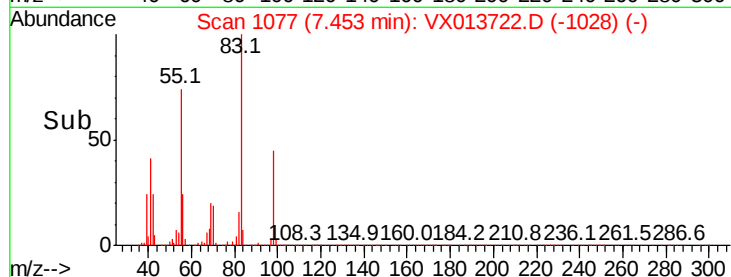
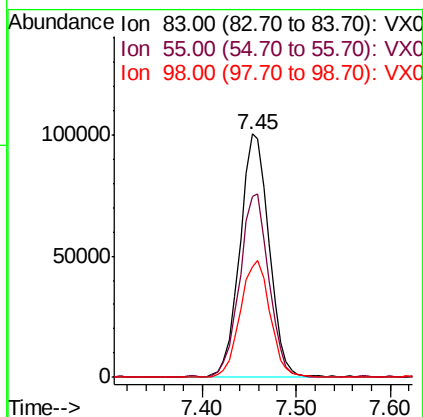
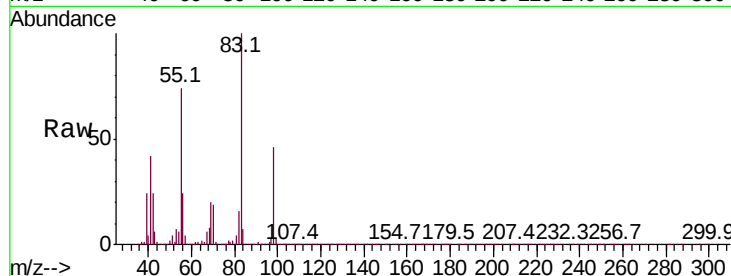




#39  
Methvlcvclohexane  
Concen: 19.759 ug/l  
RT: 7.45 min Scan# 1077  
Delta R.T. -0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

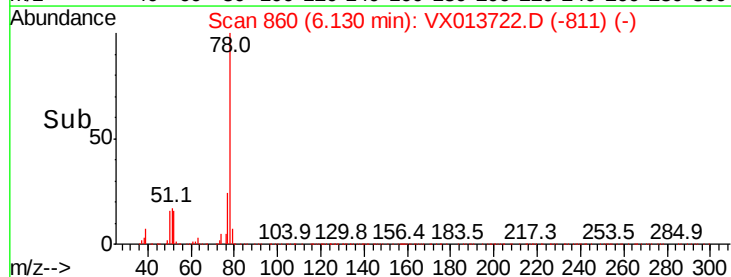
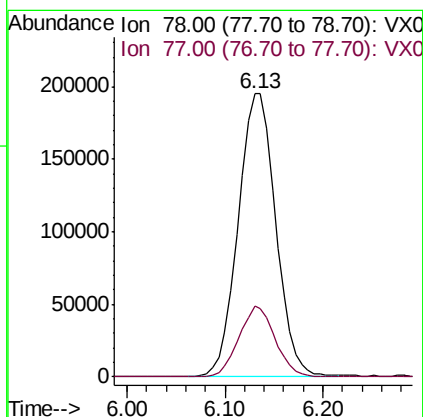
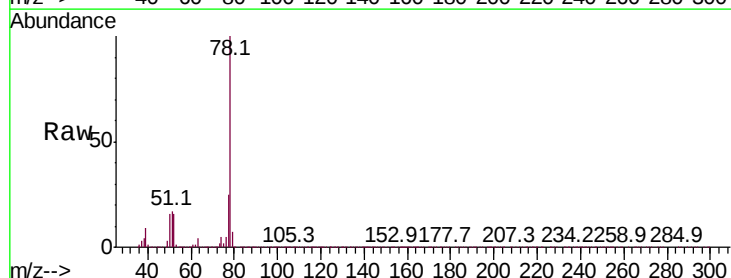
Instrument :  
MSVOA\_X  
ClientSampleId :

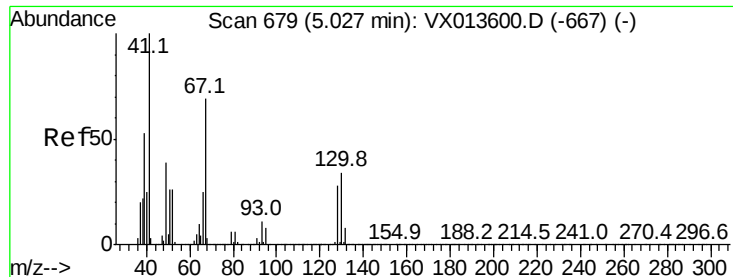
Tot Ion: 83 Resp: 215136  
Ion Ratio Lower Upper  
83 100  
55 73.9 61.9 92.9  
98 45.4 39.4 59.0



#40  
Benzene  
Concen: 19.423 ug/l  
RT: 6.13 min Scan# 860  
Delta R.T. -0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

Tgt Ion: 78 Resp: 521074  
Ion Ratio Lower Upper  
78 100  
77 24.9 19.0 28.4

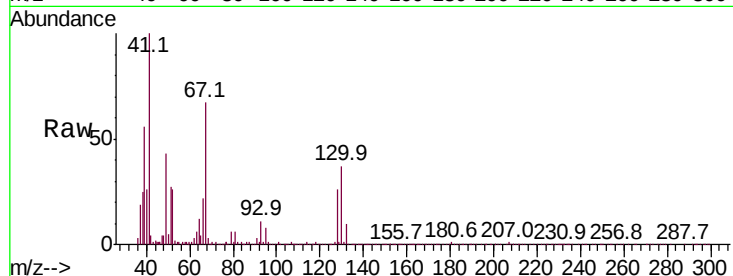




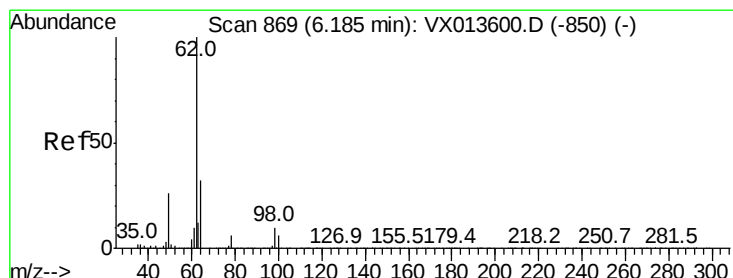
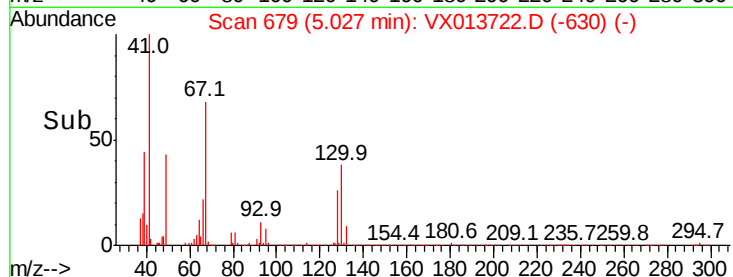
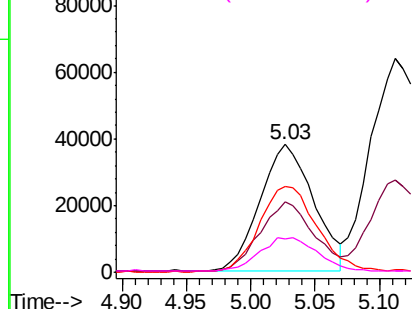
#41  
Methacrylonitrile  
Concen: 20.309 ug/l  
RT: 5.03 min Scan# 679  
Delta R.T. -0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

Instrument :  
MSVOA\_X  
ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 110064 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 54.7  | 42.9  | 64.3   |
| 67       | 72.3  | 57.4  | 86.0   |
| 52       | 28.5  | 22.4  | 33.6   |

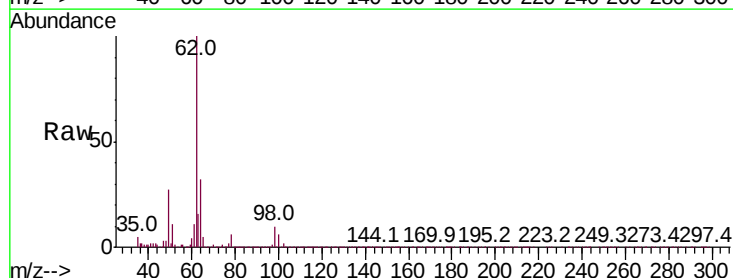


Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0  
Ion 67.00 (66.70 to 67.70): VX0  
Ion 52.00 (51.70 to 52.70): VX0

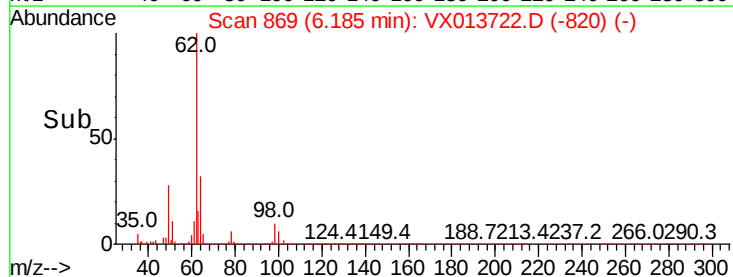
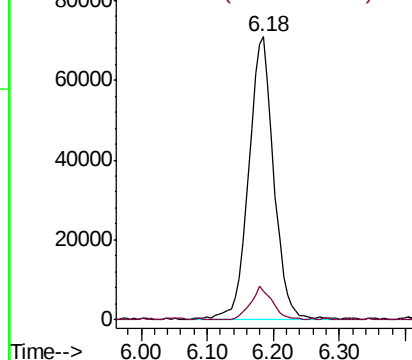


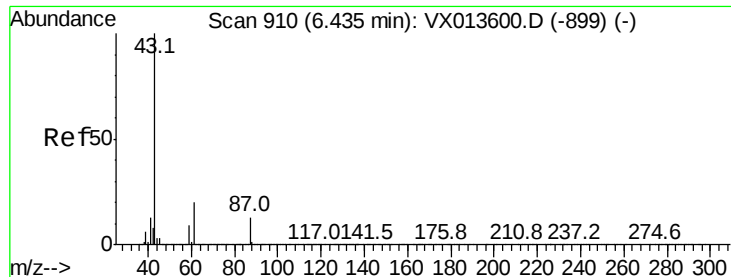
#42  
1,2-Dichloroethane  
Concen: 20.216 ug/l  
RT: 6.18 min Scan# 869  
Delta R.T. -0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 184965 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 10.1  | 0.0   | 20.8   |



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



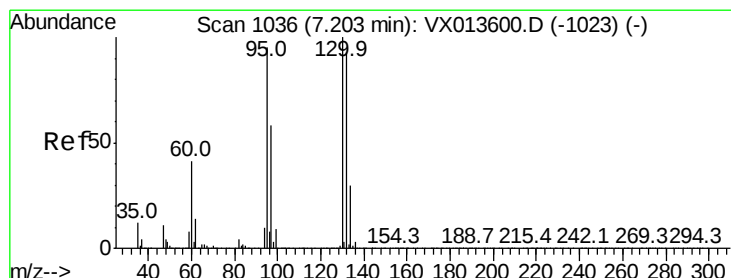
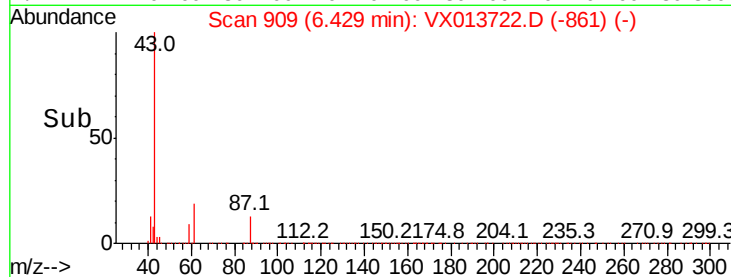
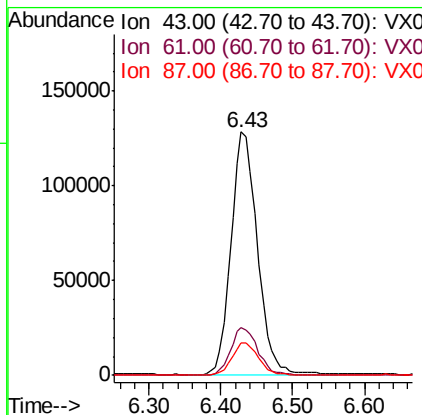
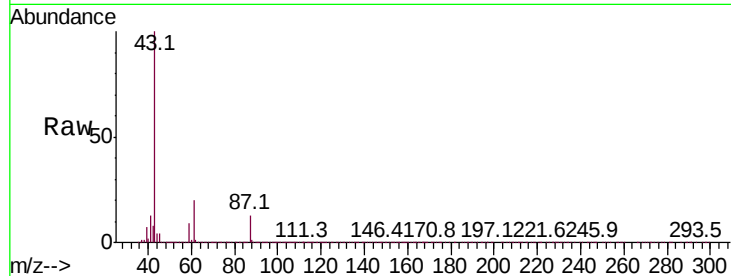


#43

Isopropyl Acetate  
 Concen: 20.045 ug/l  
 RT: 6.43 min Scan# 909  
 Delta R.T. -0.01 min  
 Lab File: VX013722.D  
 Acq: 03 Dec 2019 14:14

Instrument :  
 MSVOA\_X  
 ClientSampleId :

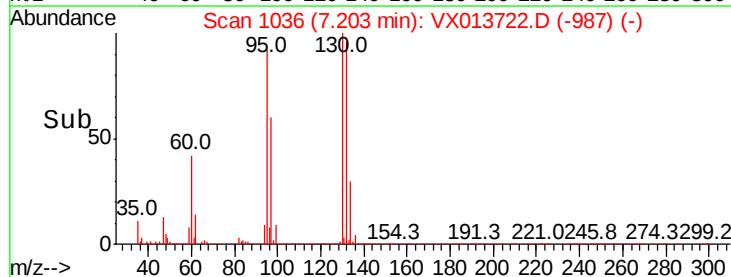
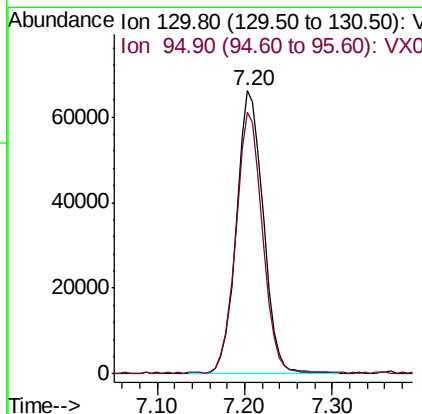
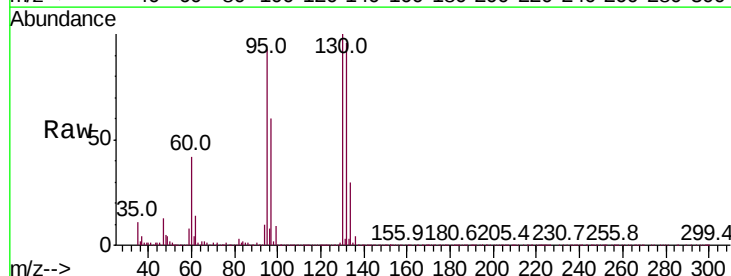
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 19.8  | 16.3  | 24.5  |
| 87      | 13.4  | 10.8  | 16.2  |

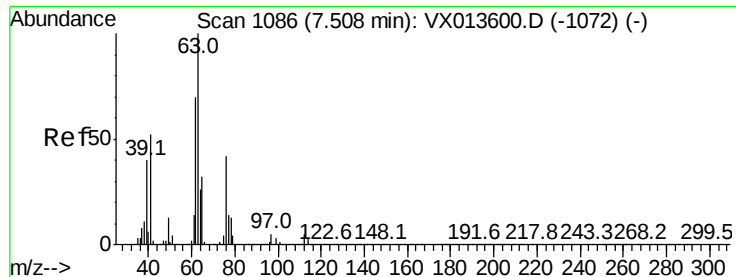


#44

Trichloroethene  
 Concen: 19.140 ug/l  
 RT: 7.20 min Scan# 1036  
 Delta R.T. -0.00 min  
 Lab File: VX013722.D  
 Acq: 03 Dec 2019 14:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 92.3  | 0.0   | 190.8 |





#45

1,2-Dichloropropane

Concen: 20.311 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

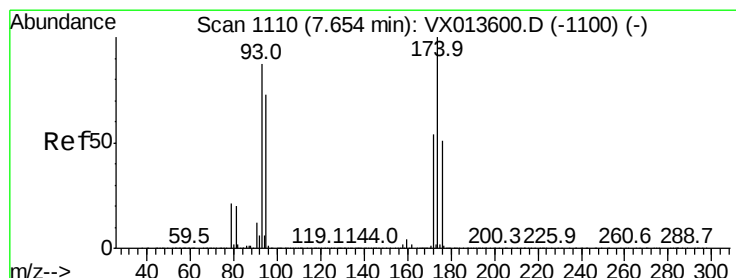
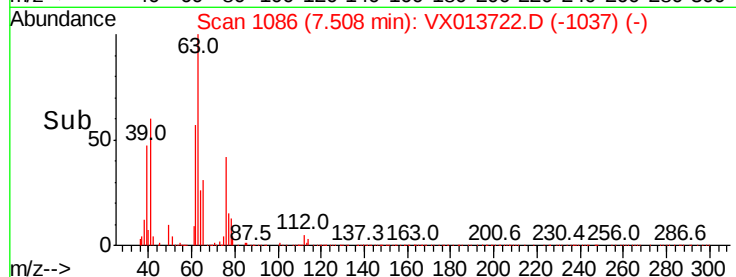
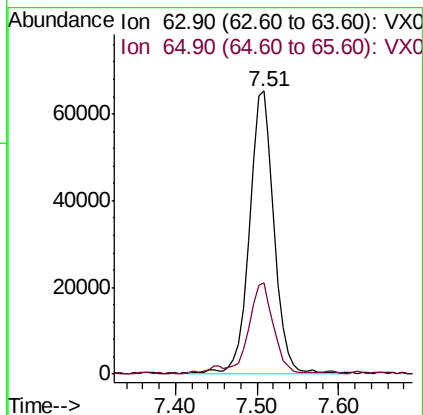
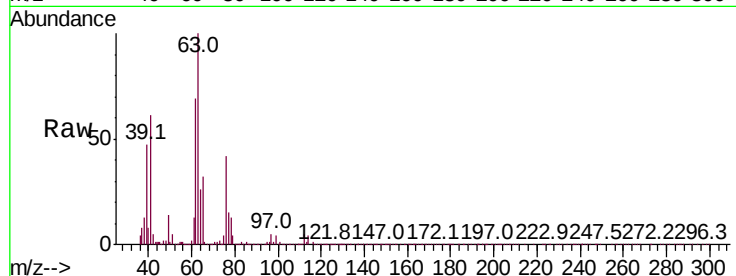
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 63 Resp: 136333

Ion Ratio Lower Upper

63 100

65 31.9 25.5 38.3



#46

Dibromomethane

Concen: 19.698 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

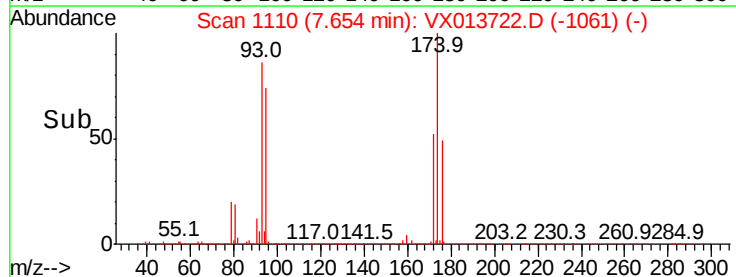
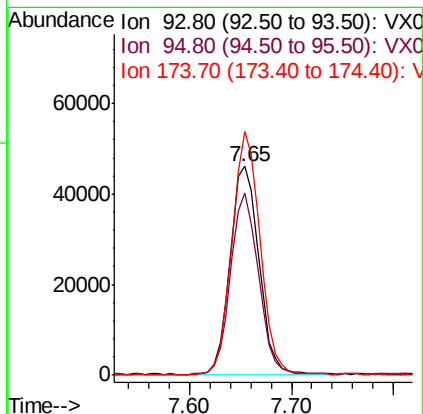
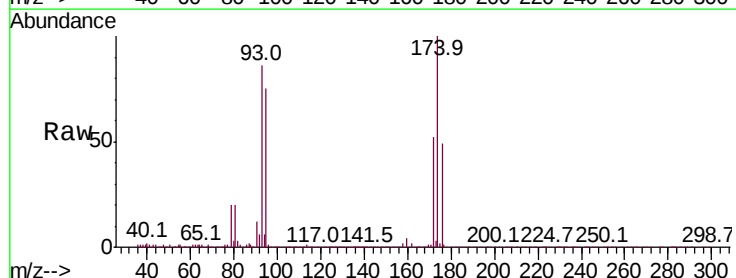
Tgt Ion: 93 Resp: 89799

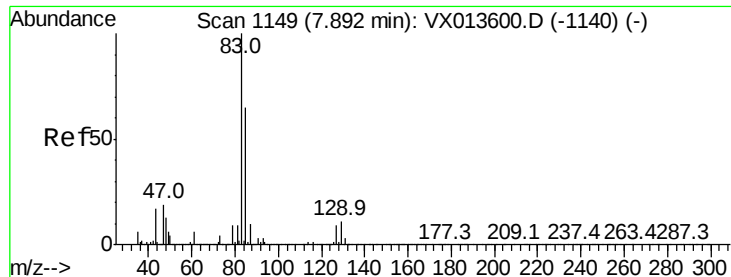
Ion Ratio Lower Upper

93 100

95 85.1 66.2 99.2

174 113.4 93.4 140.0

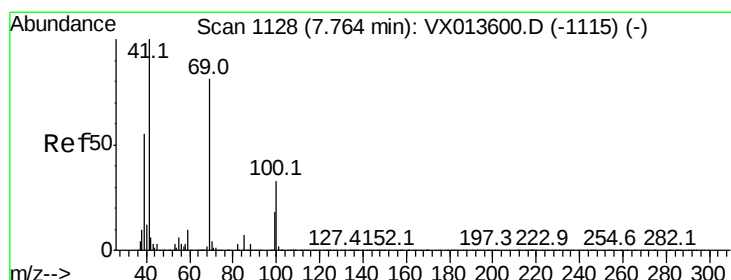
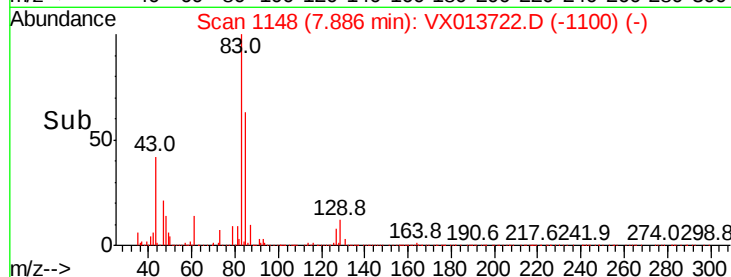
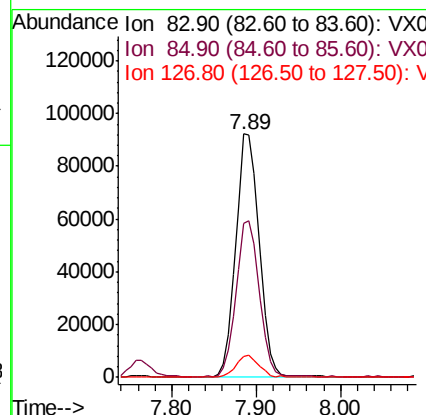
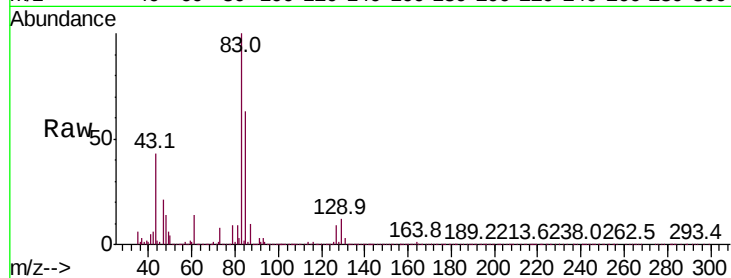




#47  
Bromodichloromethane  
Concen: 20.199 ug/l  
RT: 7.89 min Scan# 1148  
Delta R.T. -0.01 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

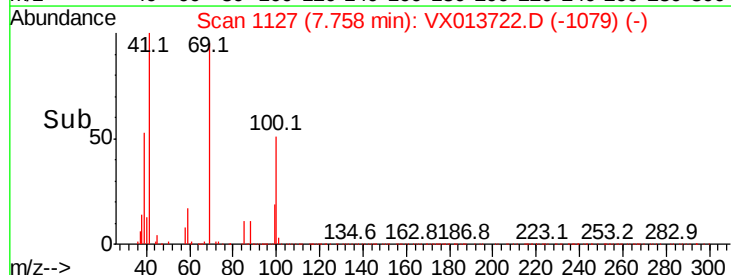
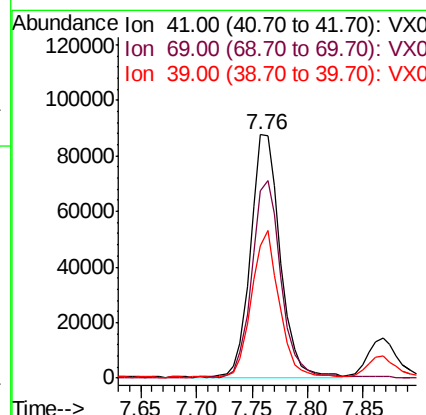
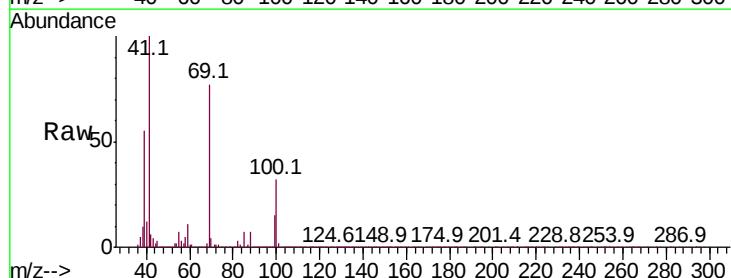
Instrument :  
MSVOA\_X  
ClientSampleId :

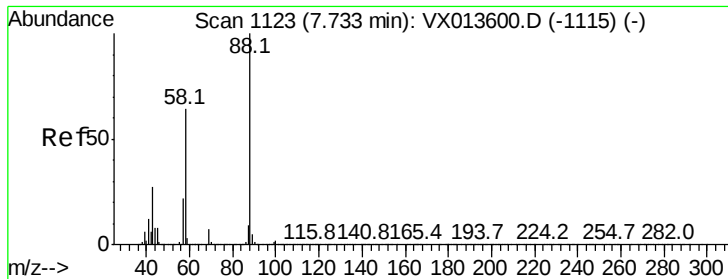
Tot Ion: 83 Resp: 174078  
Ion Ratio Lower Upper  
83 100  
85 62.9 52.1 78.1  
127 8.5 7.0 10.4



#48  
Methyl methacrylate  
Concen: 20.556 ug/l  
RT: 7.76 min Scan# 1127  
Delta R.T. -0.01 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

Tgt Ion: 41 Resp: 162486  
Ion Ratio Lower Upper  
41 100  
69 79.3 64.7 97.1  
39 56.1 43.8 65.6





#49

1,4-Dioxane

Concen: 373.333 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

Instrument :  
MSVOA\_X  
ClientSampleId :

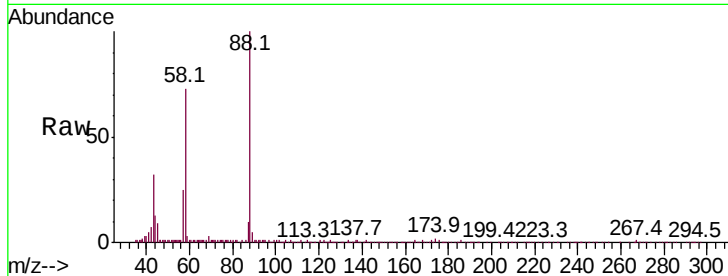
Tot Ion: 88 Resp: 66055

Ion Ratio Lower Upper

88 100

43 33.6 25.8 38.6

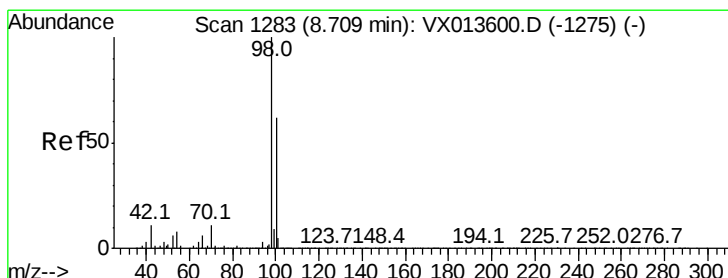
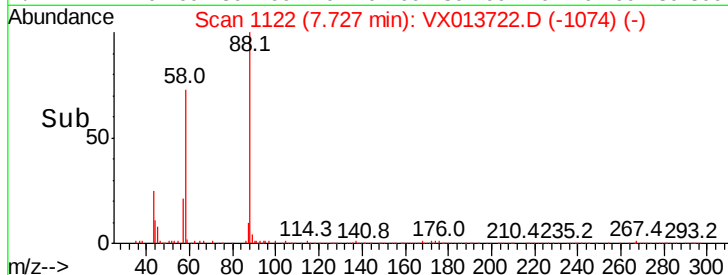
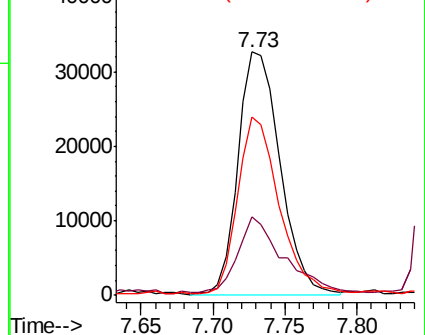
58 71.5 54.6 82.0



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: 47.108 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013722.D

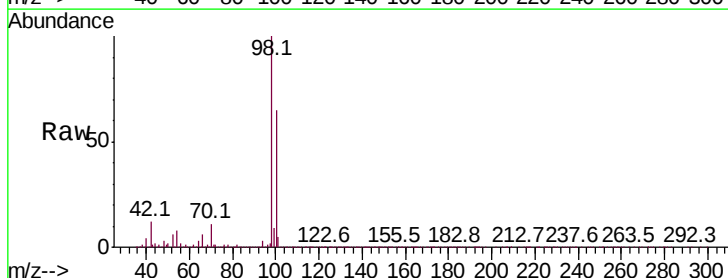
Acq: 03 Dec 2019 14:14

Tgt Ion: 98 Resp: 1101043

Ion Ratio Lower Upper

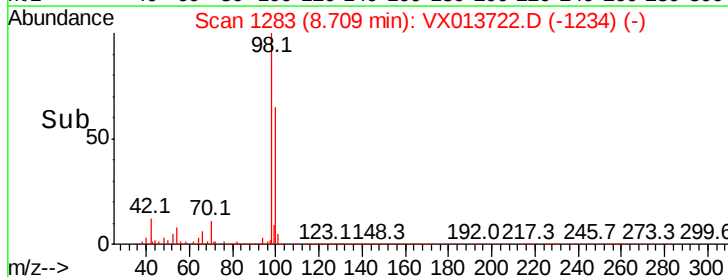
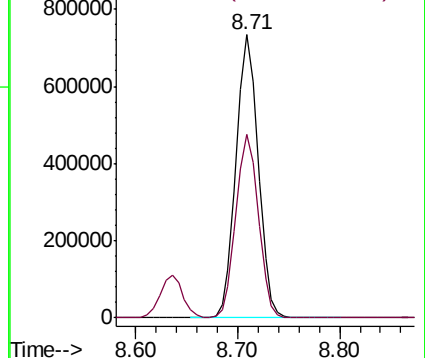
98 100

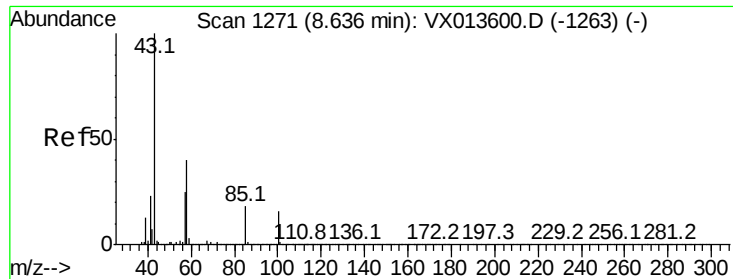
100 65.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 101.524 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

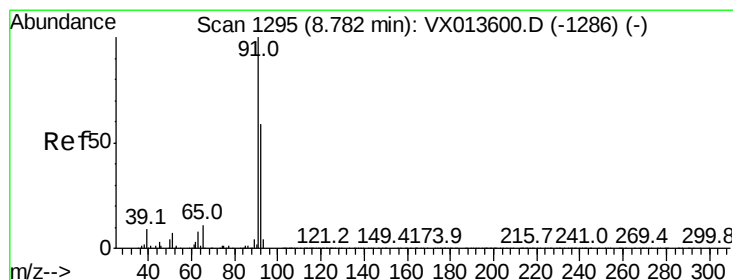
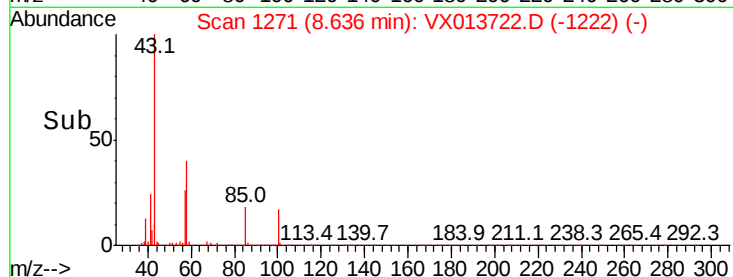
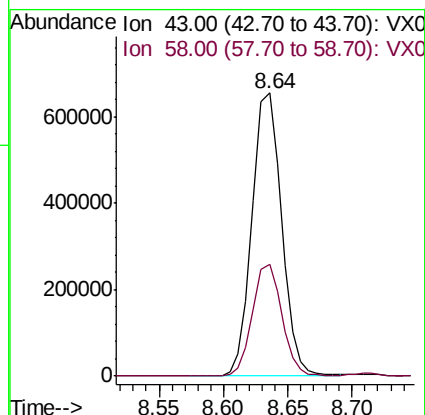
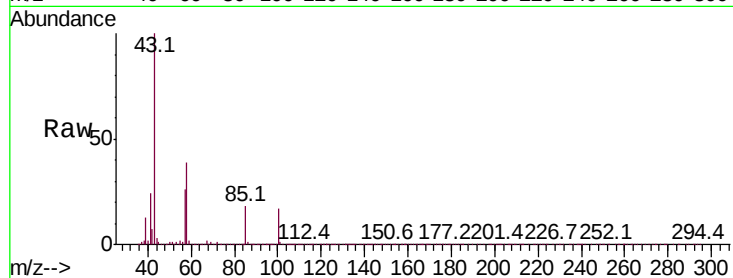
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 43 Resp: 1038928

Ion Ratio Lower Upper

43 100

58 39.3 32.1 48.1



#52

Toluene

Concen: 19.589 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013722.D

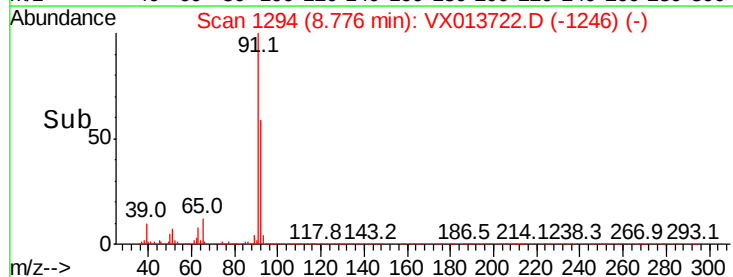
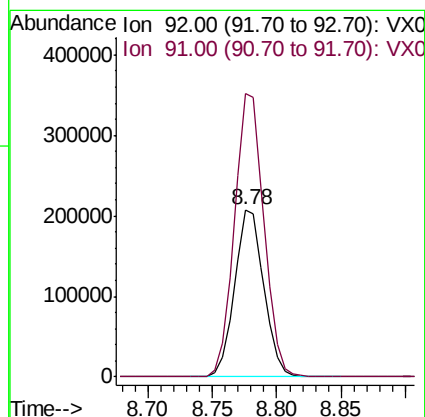
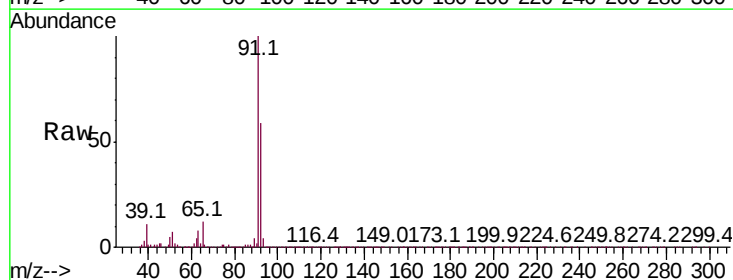
Acq: 03 Dec 2019 14:14

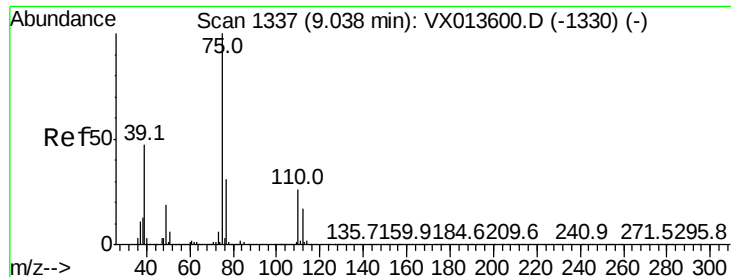
Tgt Ion: 92 Resp: 326481

Ion Ratio Lower Upper

92 100

91 171.5 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 19.475 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

Instrument :

MSVOA\_X

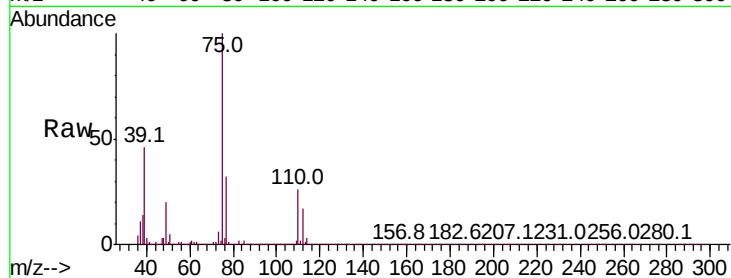
ClientSampleId :

Tot Ion: 75 Resp: 191044

Ion Ratio Lower Upper

75 100

77 31.6 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

150000

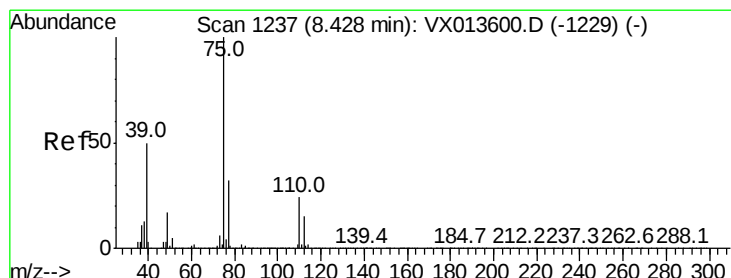
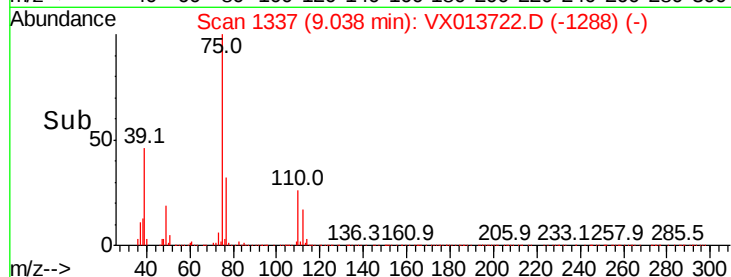
100000

50000

0

Time-->

8.95 9.00 9.05 9.10 9.15



#54

cis-1,3-Dichloropropene

Concen: 19.846 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

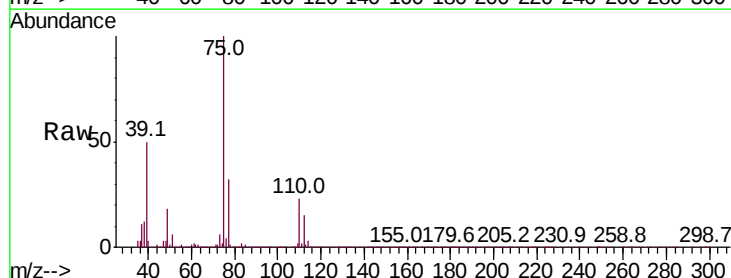
Tgt Ion: 75 Resp: 212693

Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.6

39 49.7 39.9 59.9



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

150000

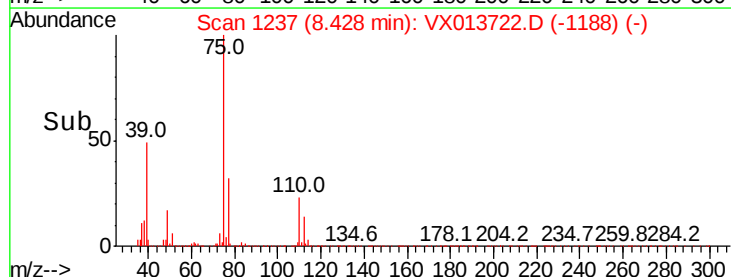
100000

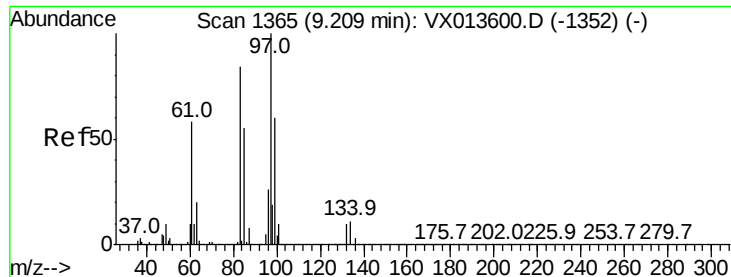
50000

0

Time-->

8.35 8.40 8.45 8.50





#55

1,1,2-Trichloroethane

Concen: 20.424 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

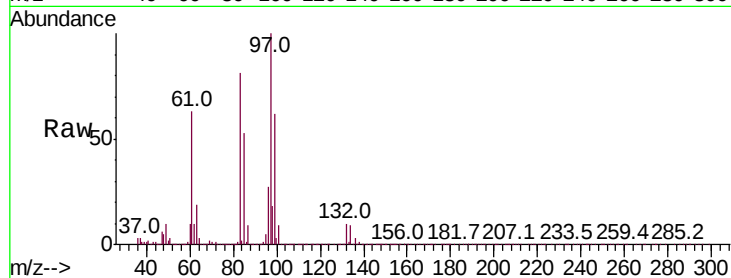
Instrument :

MSVOA\_X

ClientSampleId :

Tot Ion: 97 Resp: 137172

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 81.3  | 67.3  | 100.9 |
| 85  | 53.2  | 43.6  | 65.4  |
| 99  | 62.0  | 48.2  | 72.4  |



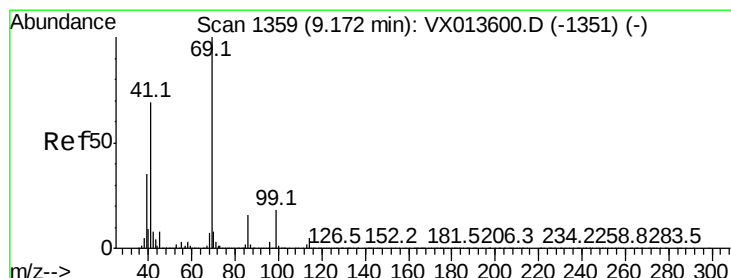
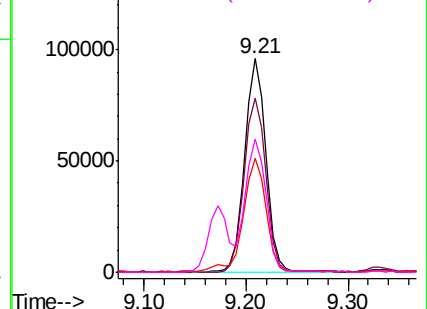
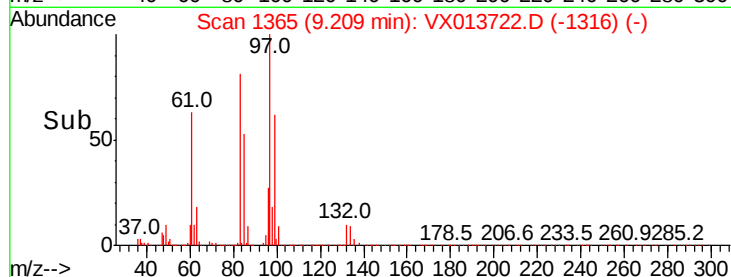
Abundance

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: 20.202 ug/l

RT: 9.17 min Scan# 1359

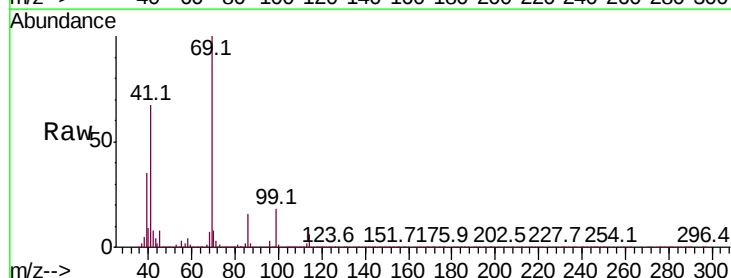
Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

Tgt Ion: 69 Resp: 218139

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 68.2  | 55.0  | 82.4  |
| 39  | 35.9  | 28.7  | 43.1  |

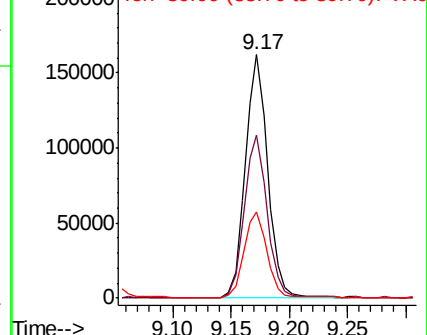
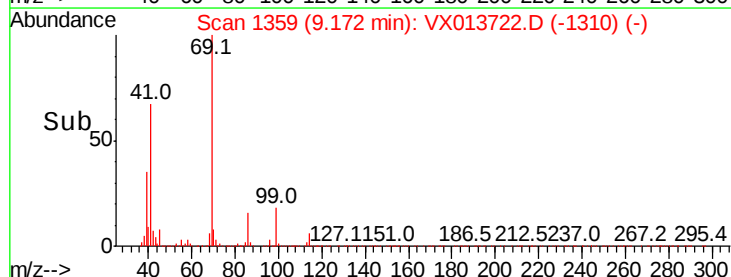


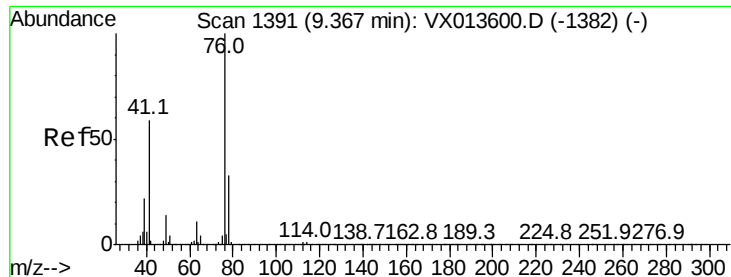
Abundance

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: 19.720 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

Instrument :

MSVOA\_X

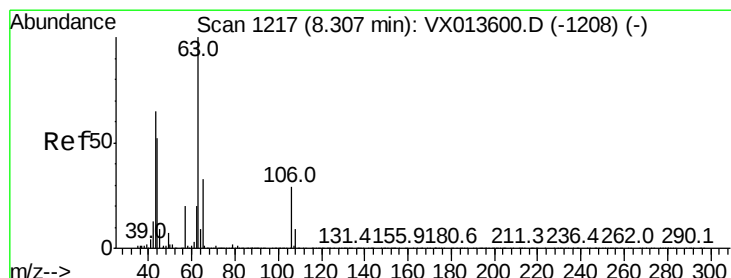
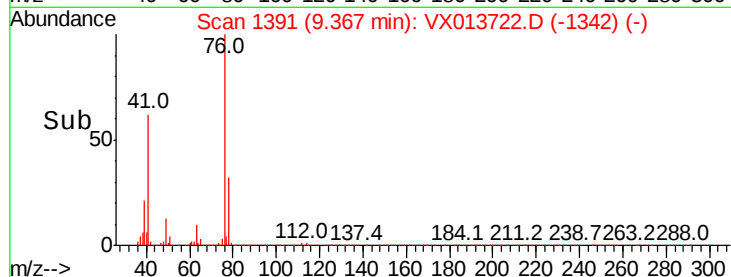
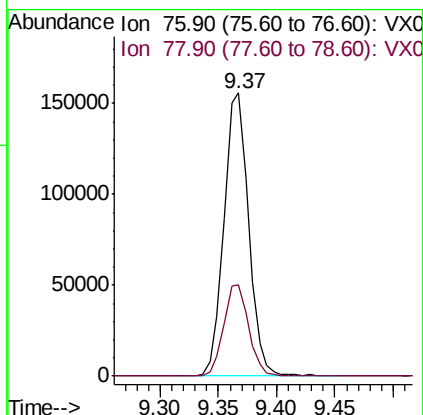
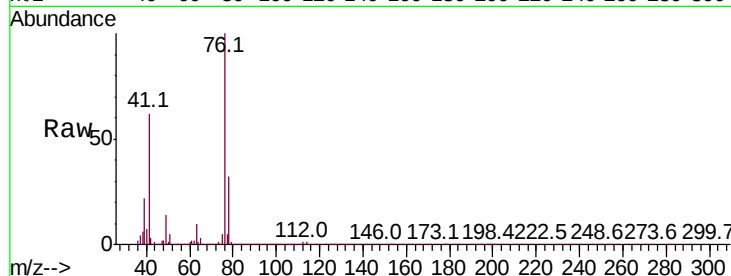
ClientSampleId :

Tot Ion: 76 Resp: 228296

Ion Ratio Lower Upper

76 100

78 32.6 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 95.914 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX013722.D

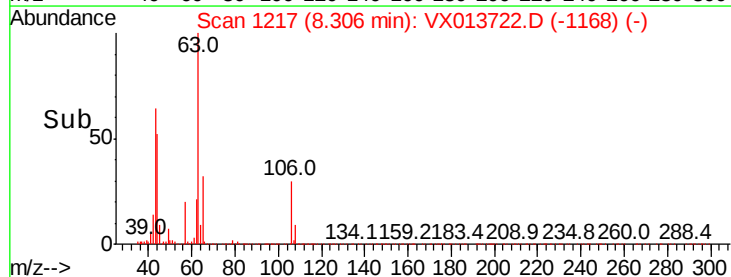
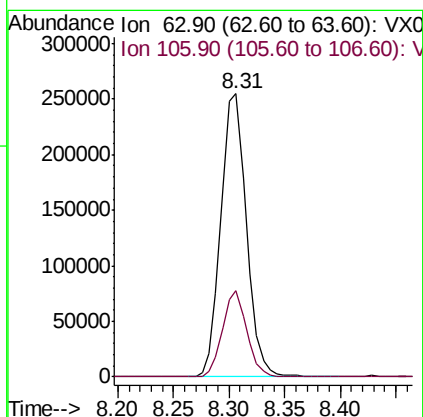
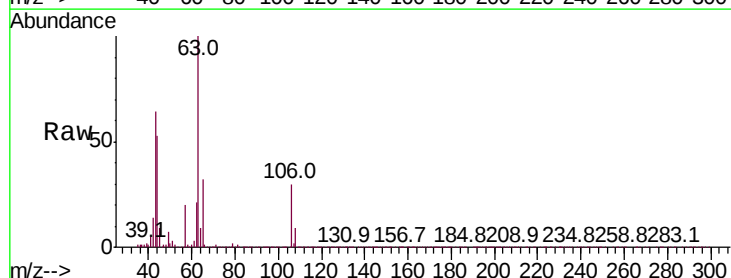
Acq: 03 Dec 2019 14:14

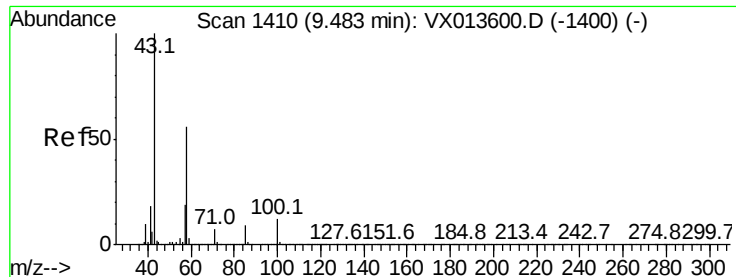
Tgt Ion: 63 Resp: 406067

Ion Ratio Lower Upper

63 100

106 28.8 23.4 35.0

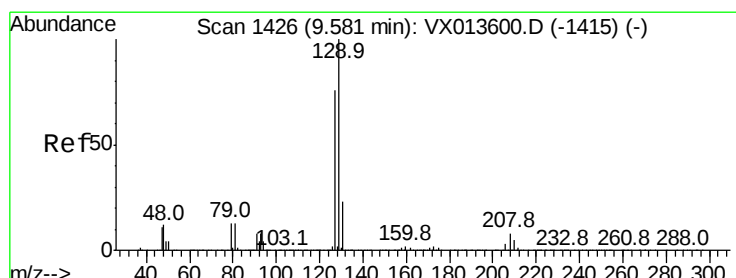
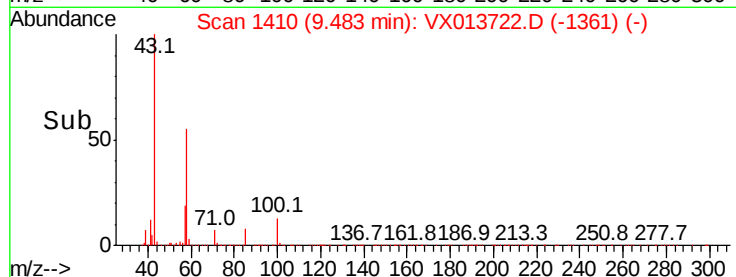
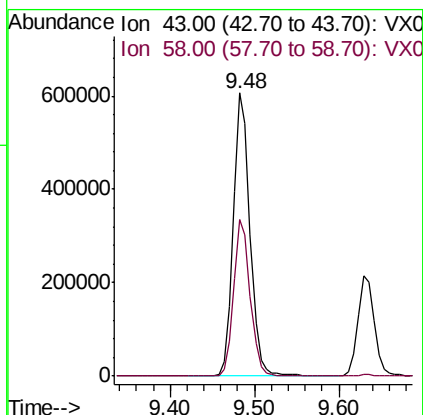
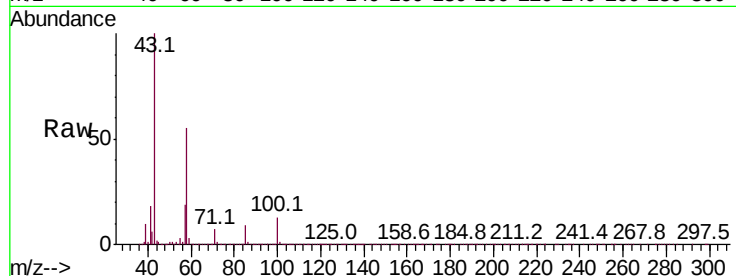




#59  
2-Hexanone  
Concen: 101.762 ug/l  
RT: 9.48 min Scan# 1410  
Delta R.T. -0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

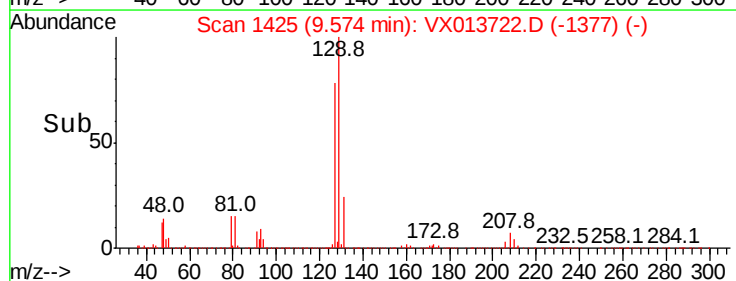
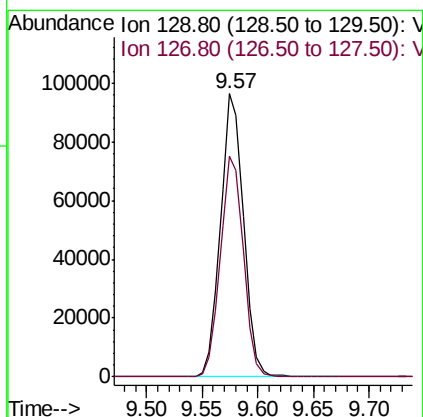
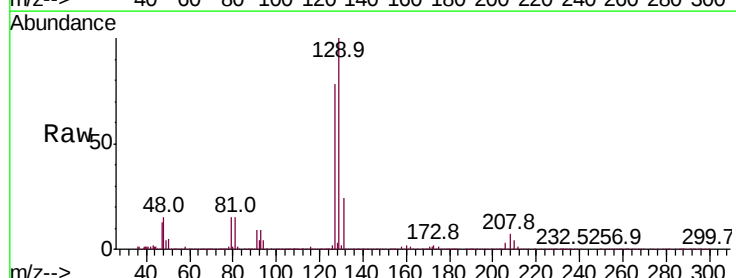
Instrument :  
MSVOA\_X  
ClientSampleId :

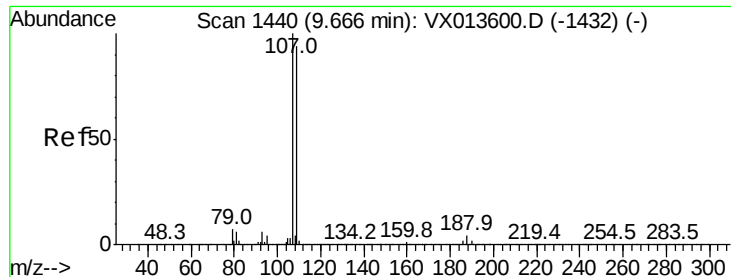
Tot Ion: 43 Resp: 812186  
Ion Ratio Lower Upper  
43 100  
58 54.7 28.1 84.4



#60  
Dibromochloromethane  
Concen: 19.721 ug/l  
RT: 9.57 min Scan# 1425  
Delta R.T. -0.01 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

Tgt Ion: 129 Resp: 137460  
Ion Ratio Lower Upper  
129 100  
127 78.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.384 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

Instrument :

MSVOA\_X

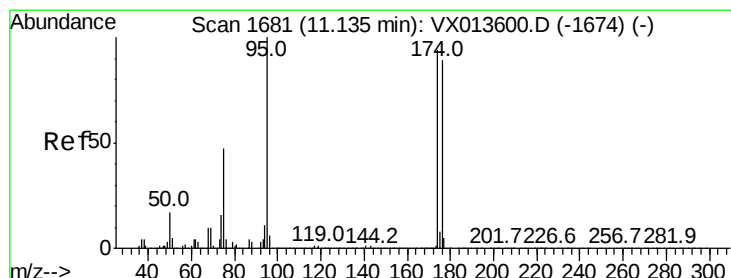
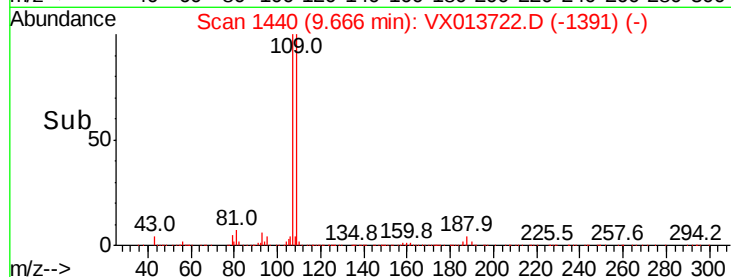
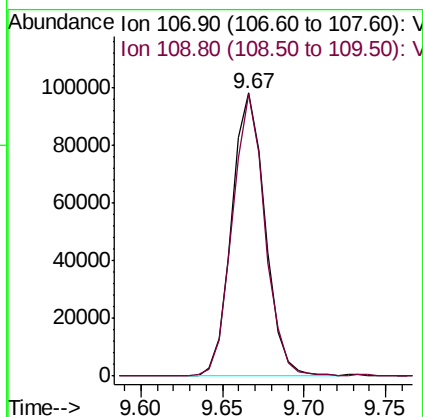
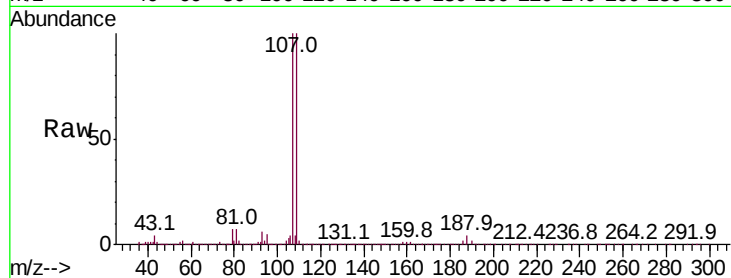
ClientSampled :

Tot Ion: 107 Resp: 139043

Ion Ratio Lower Upper

107 100

109 97.3 76.1 114.1



#62

4-Bromofluorobenzene

Concen: 46.879 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

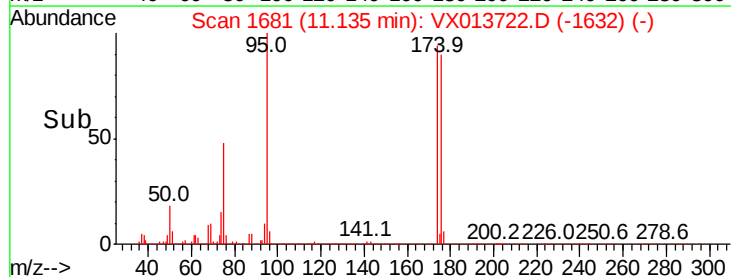
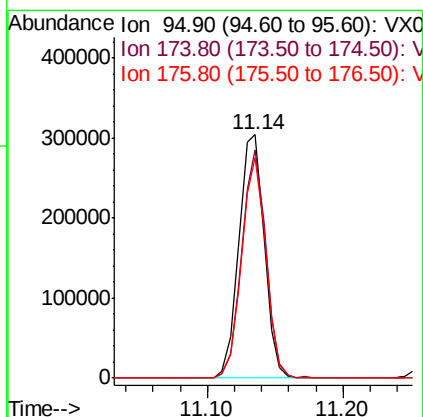
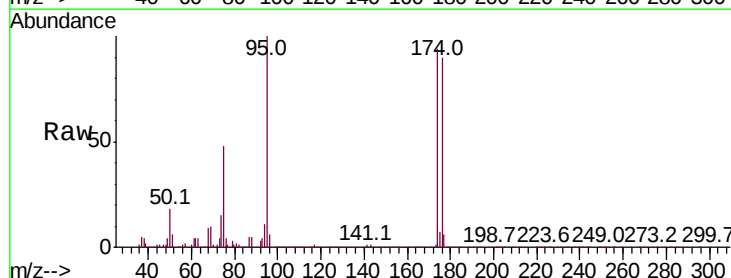
Tgt Ion: 95 Resp: 395107

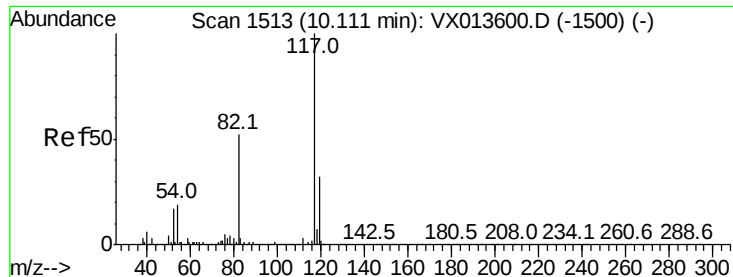
Ion Ratio Lower Upper

95 100

174 89.4 0.0 180.0

176 86.6 0.0 173.6

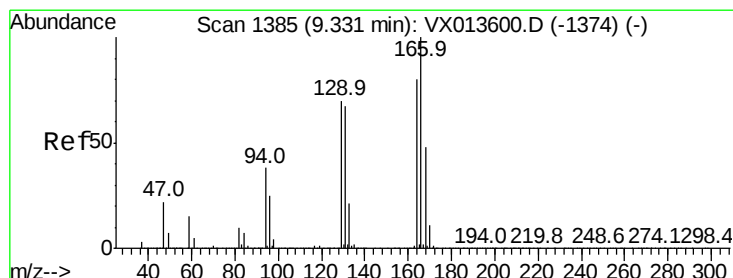
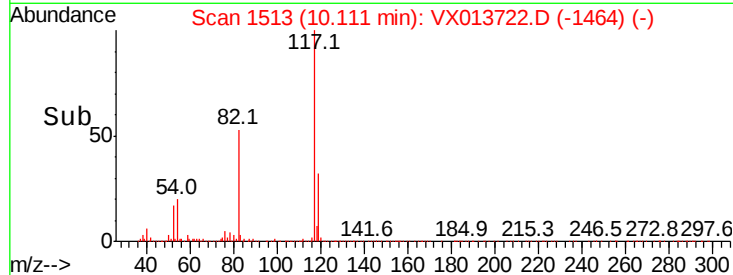
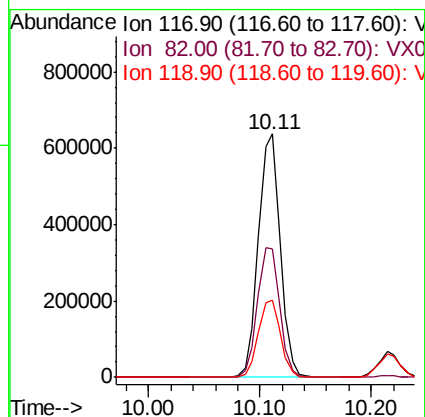
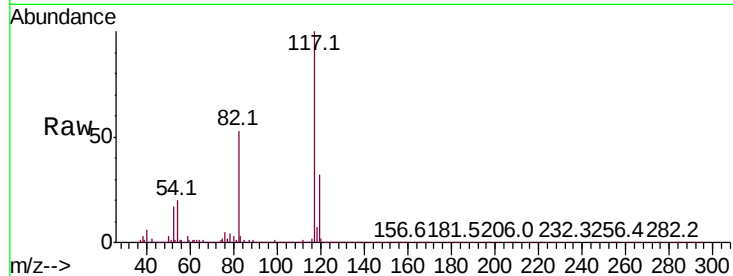




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

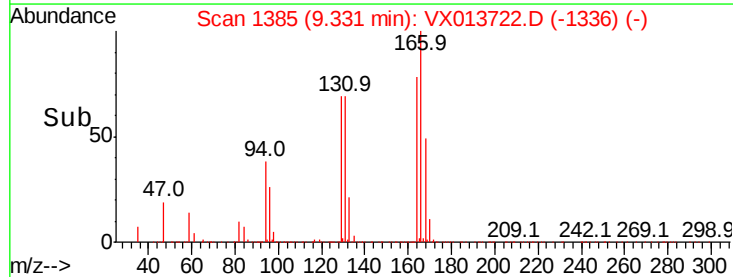
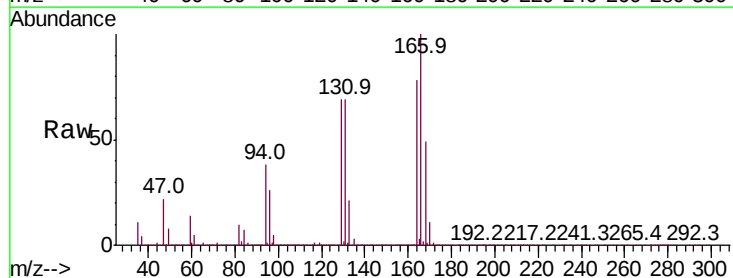
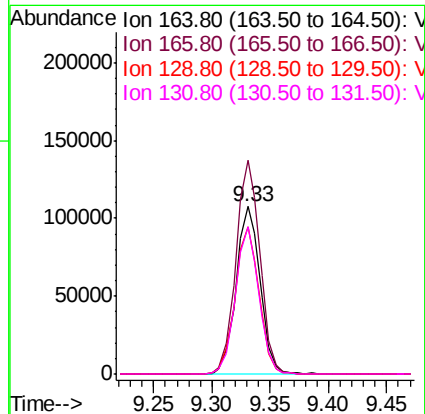
Instrument :  
MSVOA\_X  
ClientSampleId :

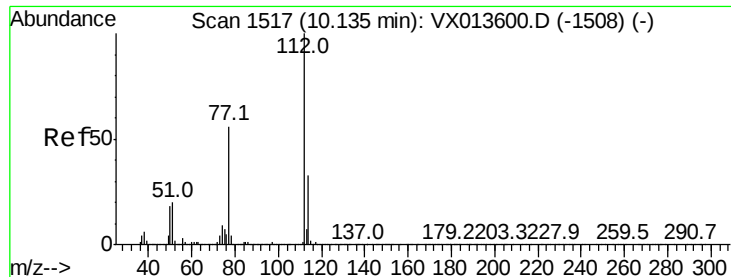
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.8  | 41.8  | 62.8  |
| 119     | 31.6  | 25.8  | 38.8  |



#64  
Tetrachloroethene  
Concen: 23.682 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. -0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 127.3 | 99.7  | 149.5 |
| 129     | 87.9  | 70.1  | 105.1 |
| 131     | 87.9  | 66.9  | 100.3 |

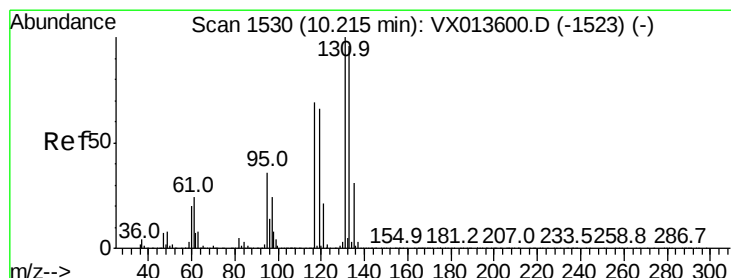
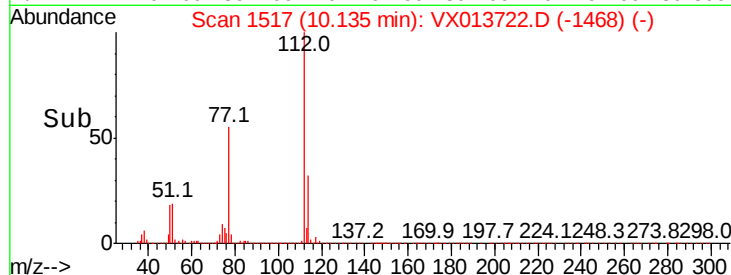
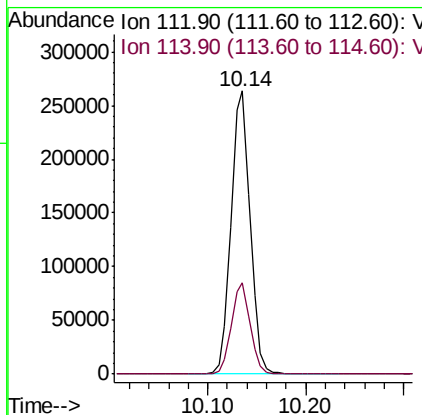
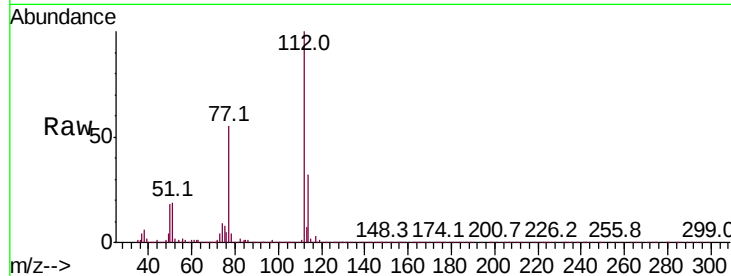




#65  
Chlorobenzene  
Concen: 19.508 ug/l  
RT: 10.14 min Scan# 1517  
Delta R.T. -0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

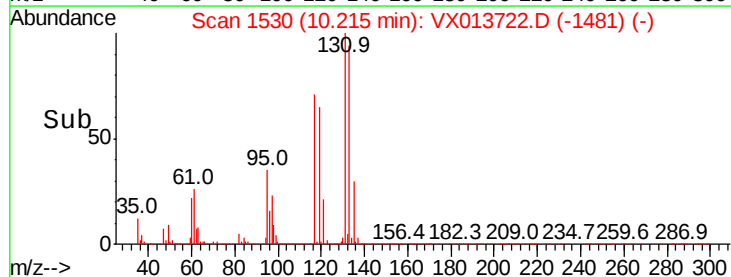
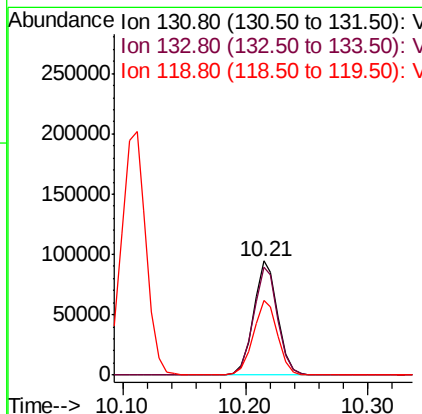
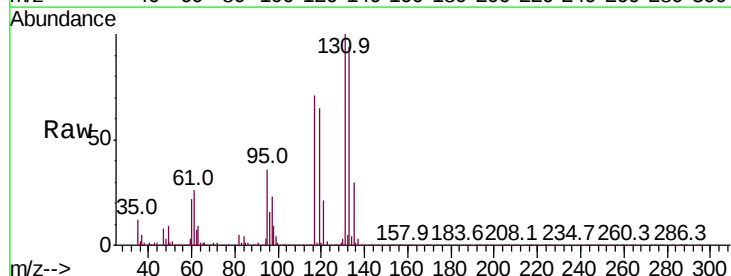
Instrument :  
MSVOA\_X  
ClientSampleId :

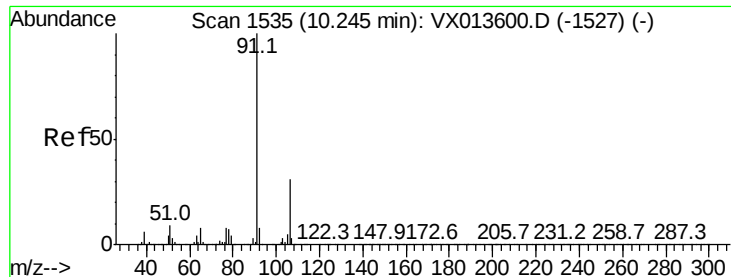
Tot Ion:112 Resp: 355668  
Ion Ratio Lower Upper  
112 100  
114 32.2 26.1 39.1



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.722 ug/l  
RT: 10.21 min Scan# 1530  
Delta R.T. -0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

Tgt Ion:131 Resp: 129117  
Ion Ratio Lower Upper  
131 100  
133 96.2 47.7 143.1  
119 66.2 32.9 98.6





#67

Ethyl Benzene

Concen: 19.761 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

Instrument :

MSVOA\_X

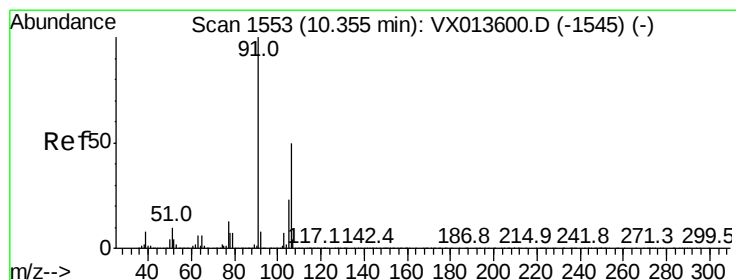
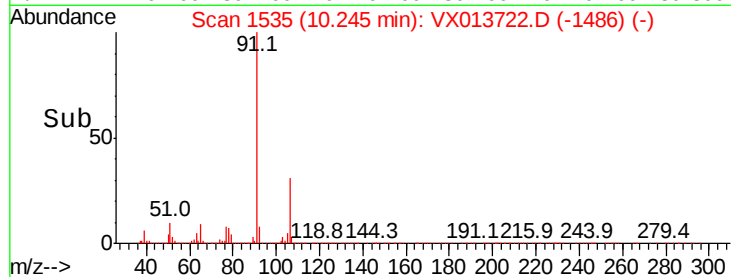
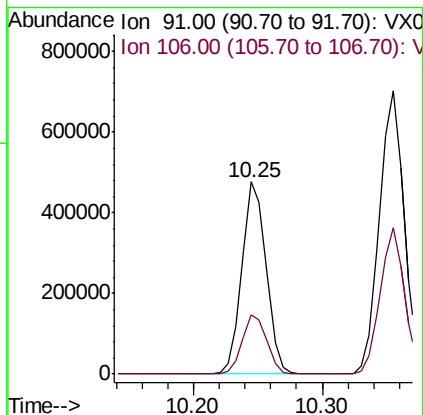
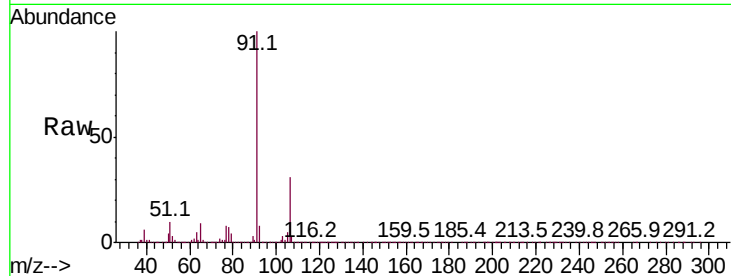
ClientSampleId :

Tot Ion: 91 Resp: 619108

Ion Ratio Lower Upper

91 100

106 31.0 24.5 36.7



#68

m/p-Xylenes

Concen: 39.369 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013722.D

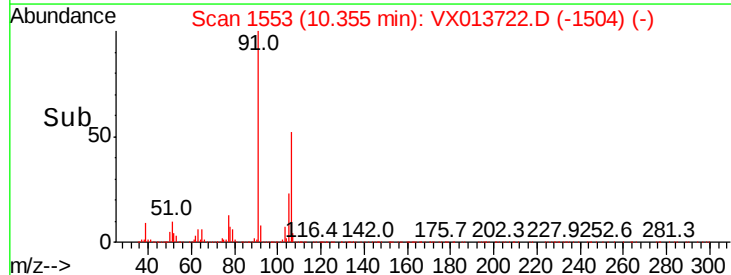
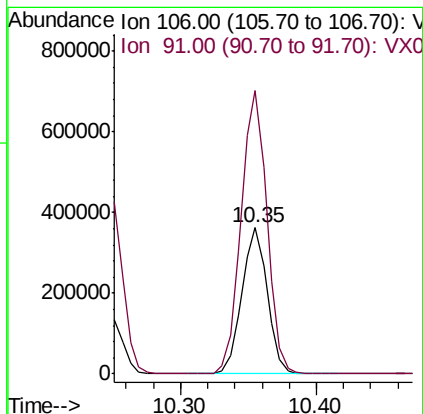
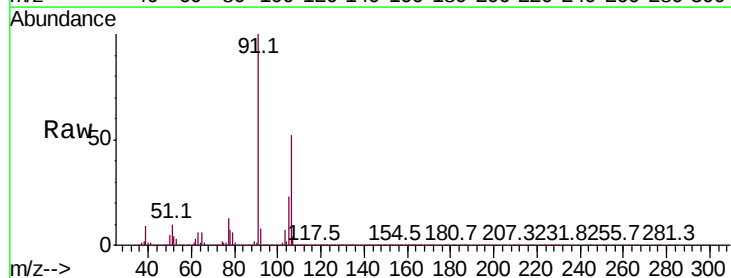
Acq: 03 Dec 2019 14:14

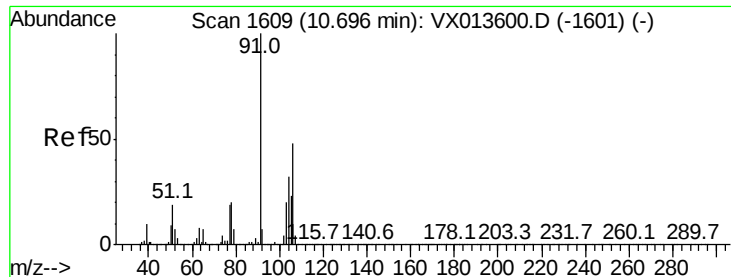
Tgt Ion: 106 Resp: 472223

Ion Ratio Lower Upper

106 100

91 197.6 159.0 238.4

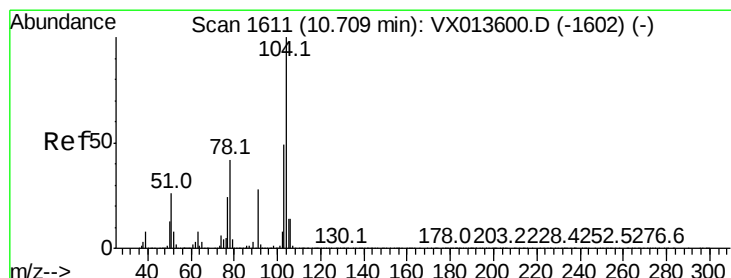
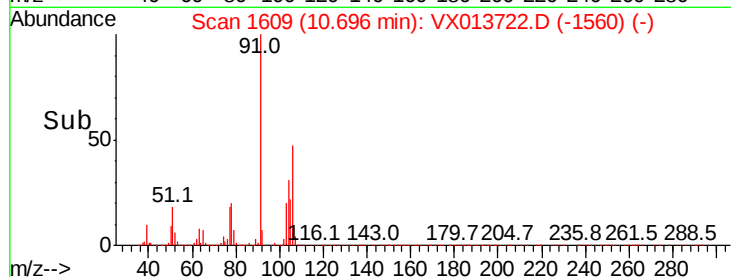
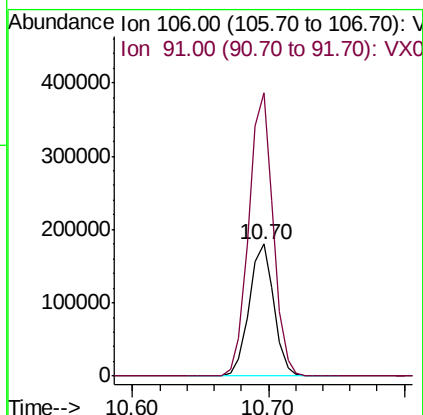
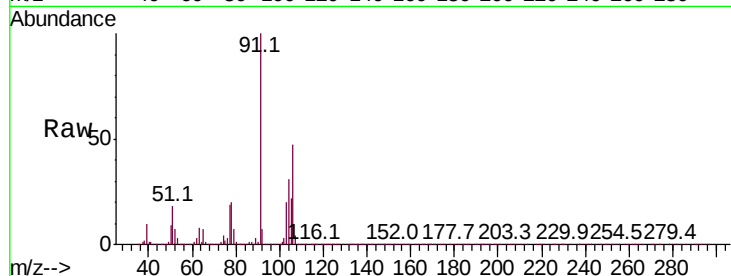




#69  
o-Xylene  
Concen: 19.484 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. -0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

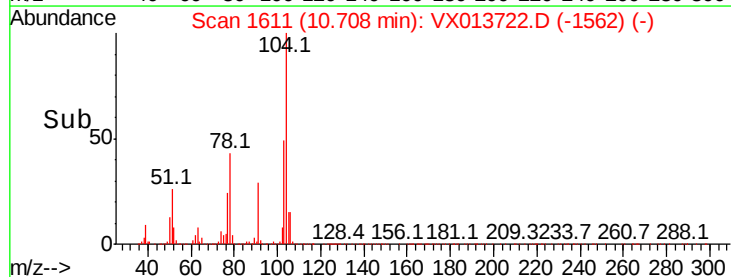
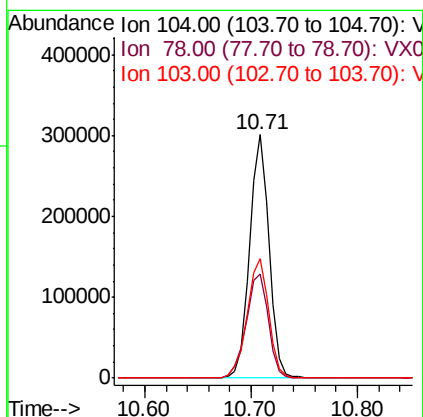
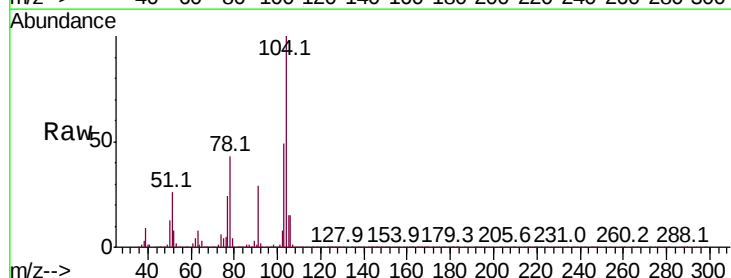
Instrument :  
MSVOA\_X  
ClientSampleId :

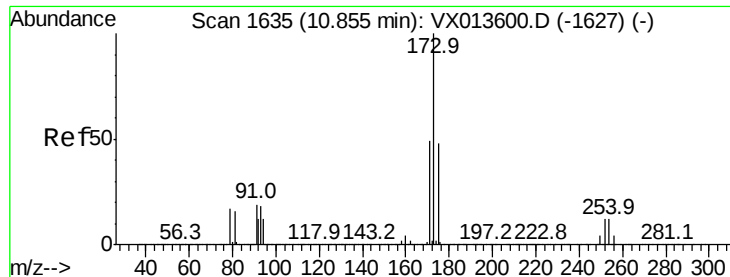
Tot Ion:106 Resp: 227937  
Ion Ratio Lower Upper  
106 100  
91 212.2 104.1 312.2



#70  
Styrene  
Concen: 19.667 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. -0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

Tgt Ion:104 Resp: 387016  
Ion Ratio Lower Upper  
104 100  
78 49.2 38.5 57.7  
103 54.3 43.7 65.5

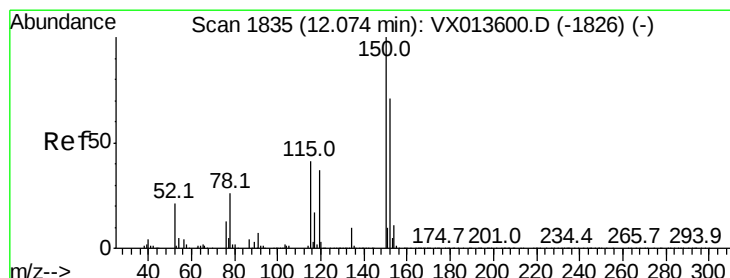
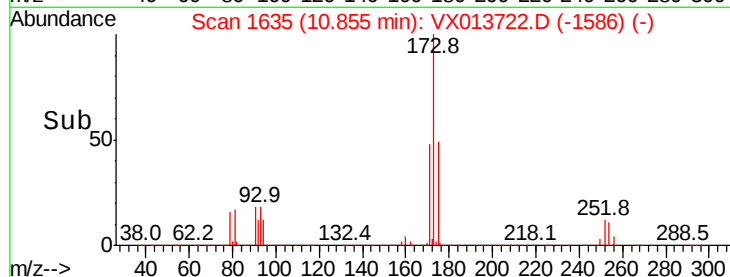
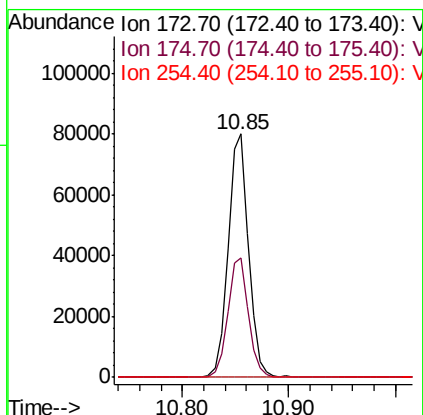
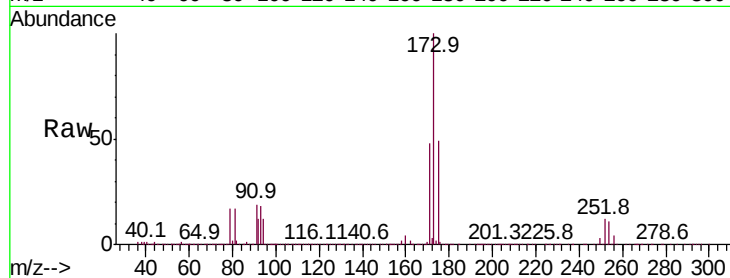




#71  
Bromoform  
Concen: 19.803 ug/l  
RT: 10.85 min Scan# 1635  
Delta R.T. -0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

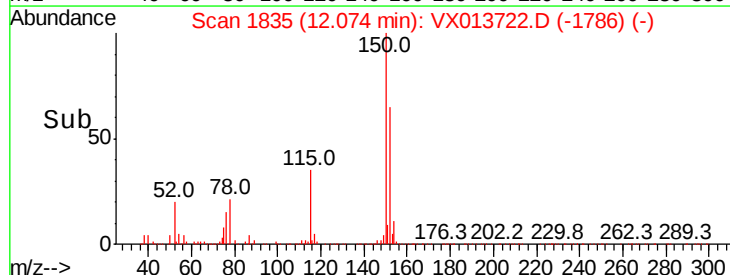
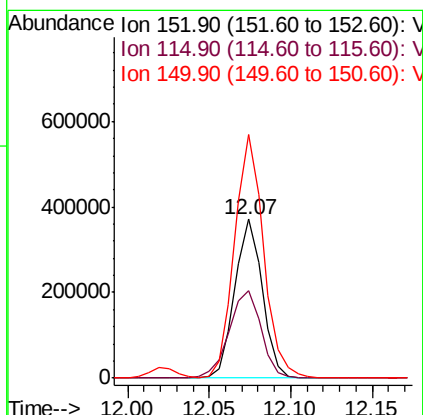
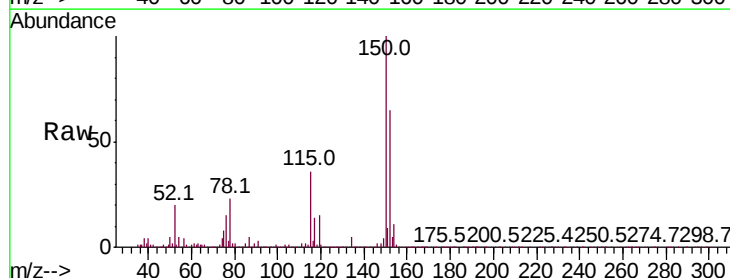
Instrument :  
MSVOA\_X  
ClientSampleId :

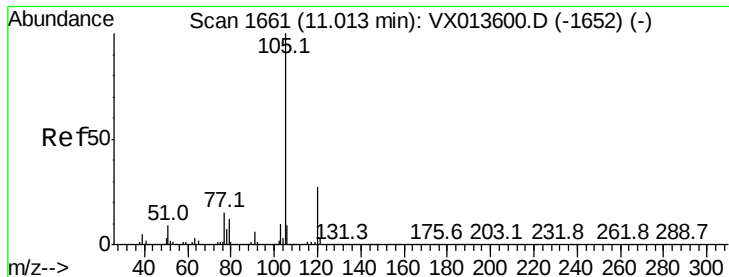
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.7  | 24.3  | 72.8  |
| 254     | 0.4   | 0.2   | 0.4   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. -0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 64.2  | 38.4  | 115.1 |
| 150     | 161.9 | 0.0   | 346.8 |





#73

Isopropylbenzene

Concen: 20.005 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

Instrument :

MSVOA\_X

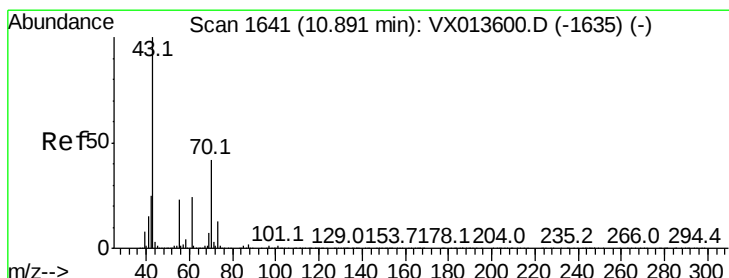
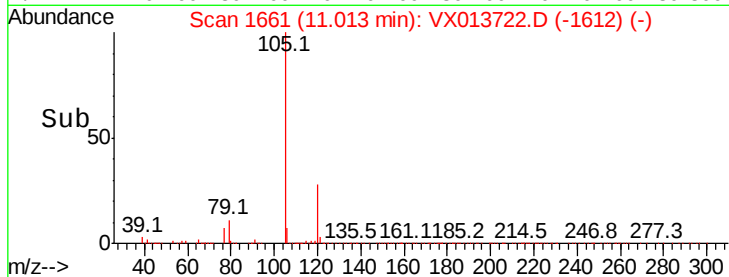
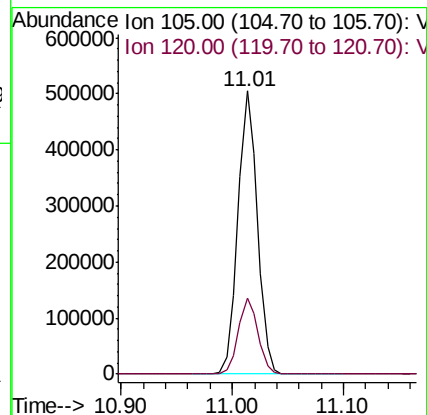
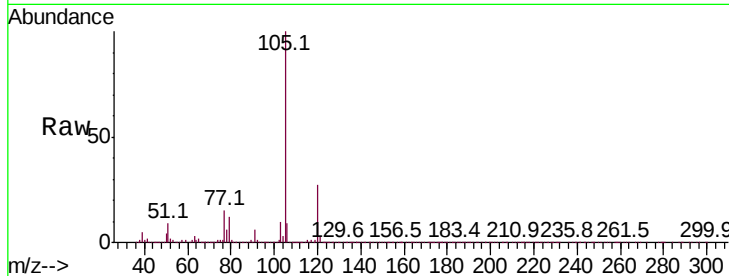
ClientSampled :

Tot Ion:105 Resp: 610445

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.5



#74

N-ethyl acetate

Concen: 20.252 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

Tgt Ion: 43 Resp: 283092

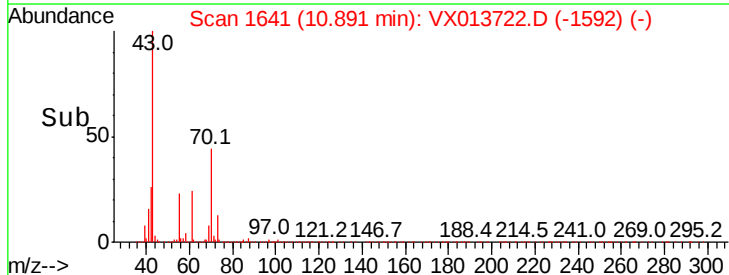
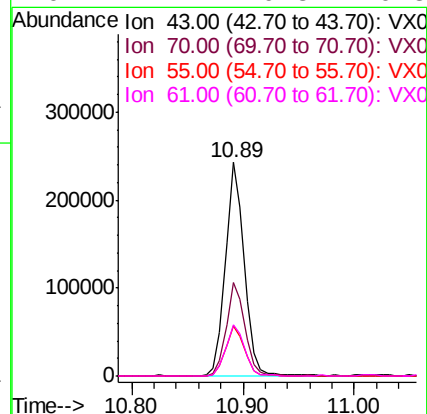
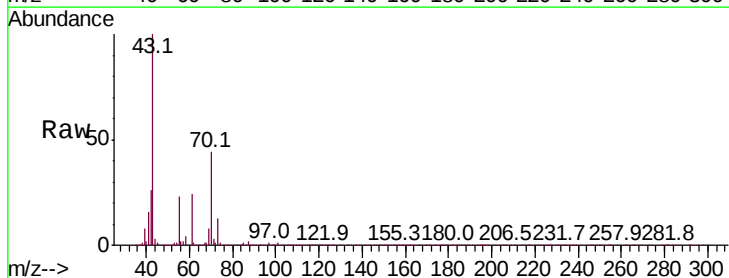
Ion Ratio Lower Upper

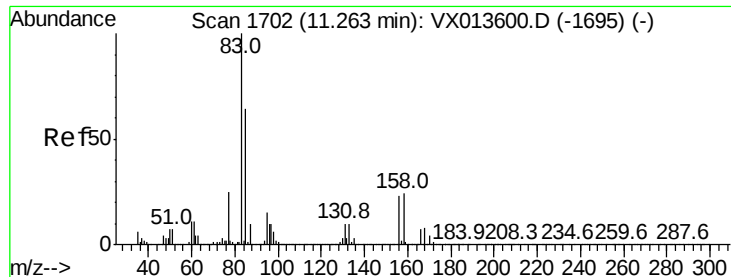
43 100

70 43.2 34.3 51.5

55 23.9 18.5 27.7

61 24.2 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.723 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

Instrument :

MSVOA\_X

ClientSampleId :

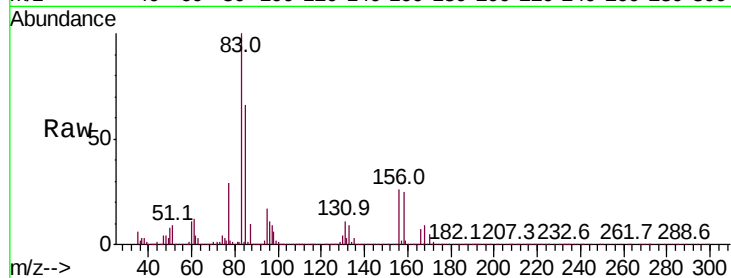
Tot Ion: 83 Resp: 208717

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 131 | 10.8  | 5.1   | 15.3  |
| 85  | 66.8  | 31.8  | 95.3  |

83 100

131 10.8 5.1 15.3

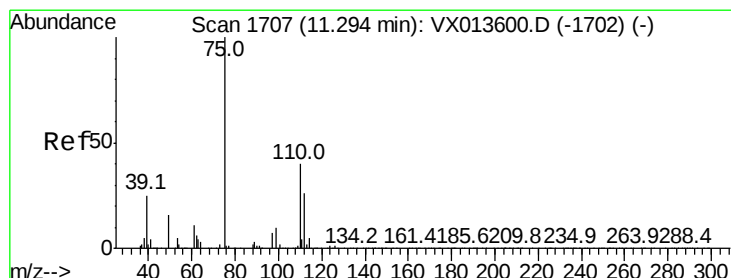
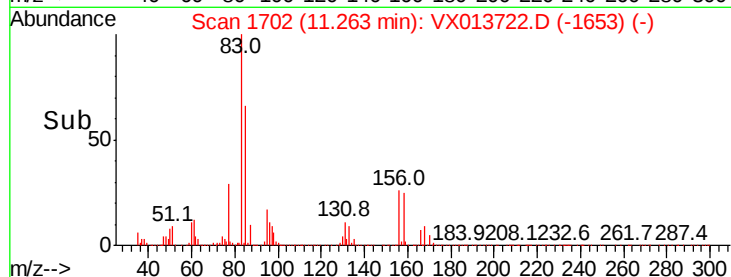
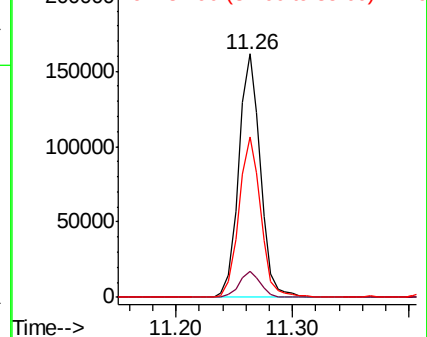
85 66.8 31.8 95.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 24.279 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX013722.D

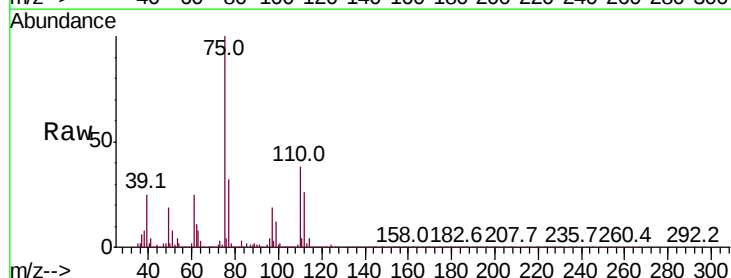
Acq: 03 Dec 2019 14:14

Tgt Ion: 75 Resp: 237559

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 31.6  | 19.1  | 57.5  |

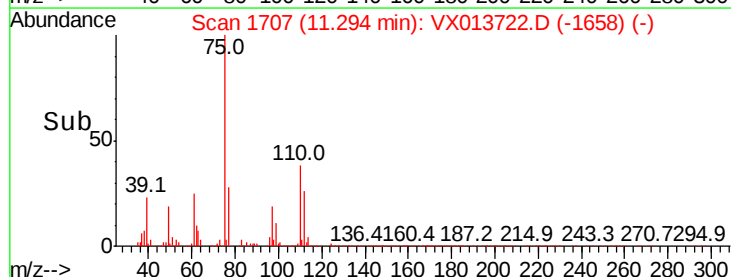
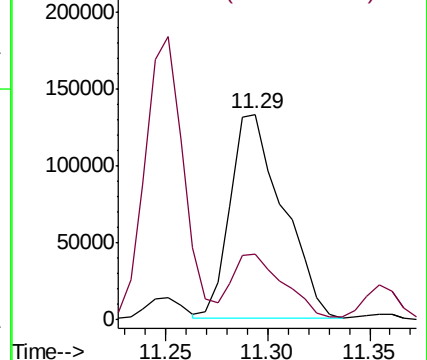
75 100

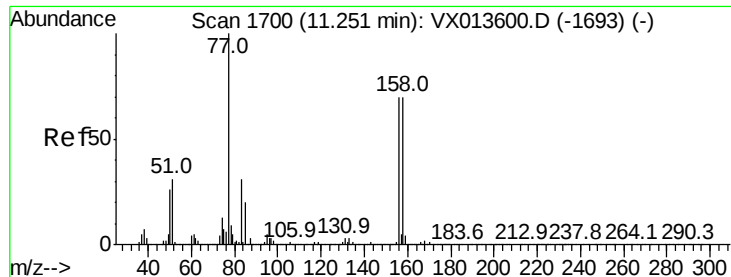
77 31.6 19.1 57.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.446 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

Instrument :

MSVOA\_X

ClientSampleId :

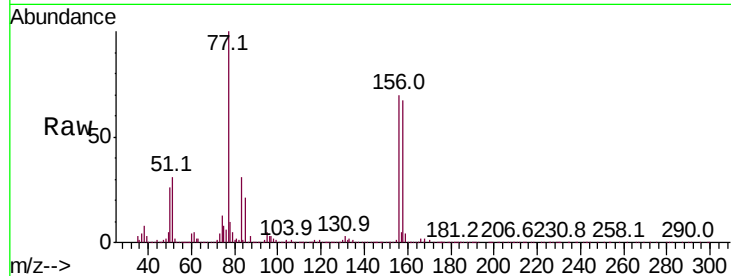
Tot Ion:156 Resp: 160308

Ion Ratio Lower Upper

156 100

77 150.6 74.4 223.1

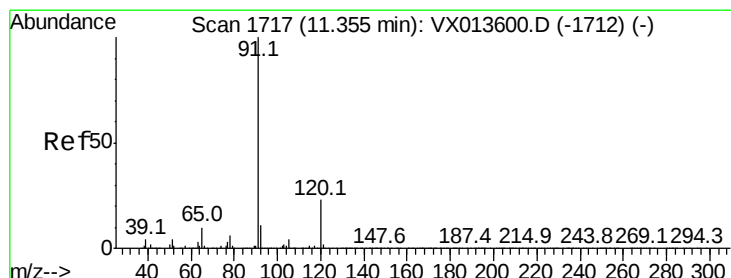
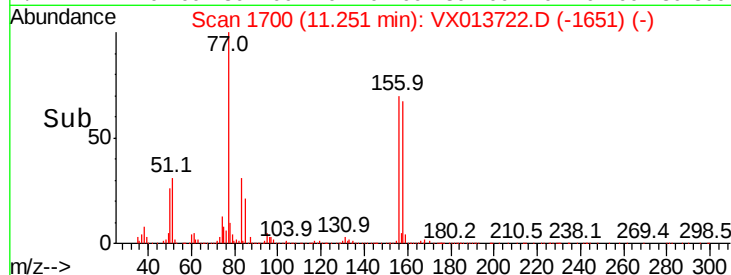
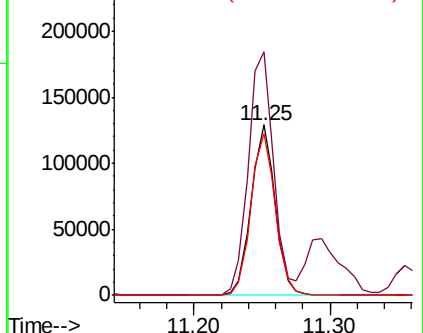
158 96.7 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.044 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013722.D

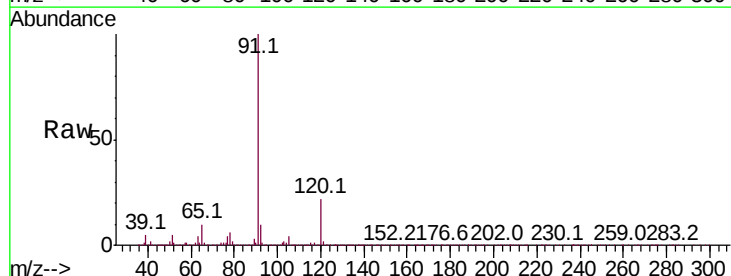
Acq: 03 Dec 2019 14:14

Tgt Ion: 91 Resp: 682778

Ion Ratio Lower Upper

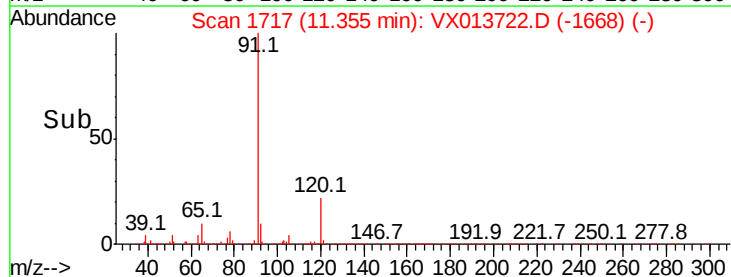
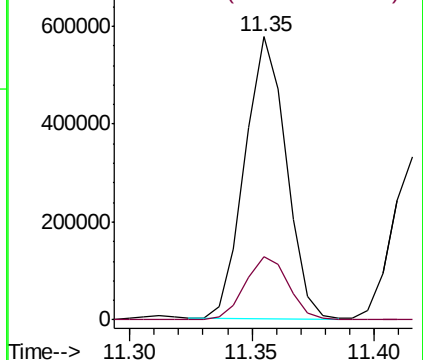
91 100

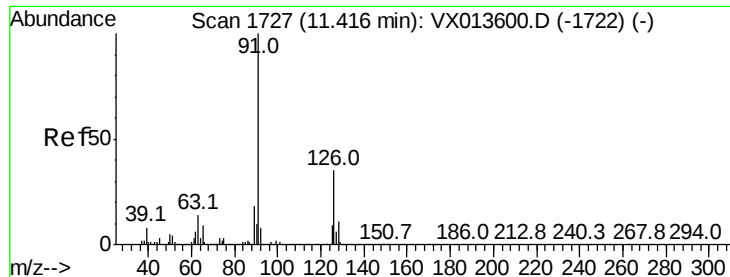
120 23.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.803 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

Instrument :

MSVOA\_X

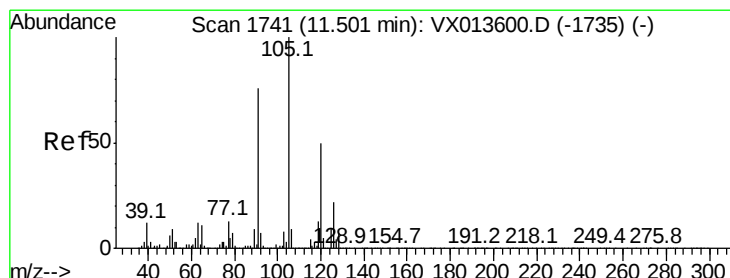
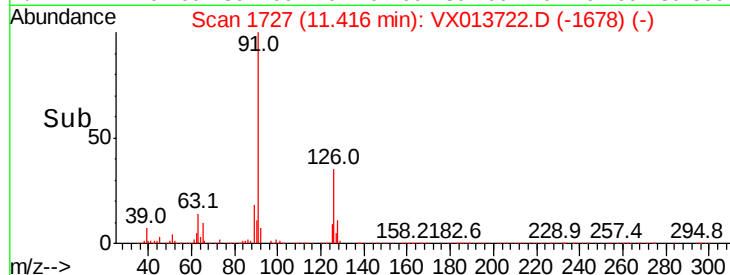
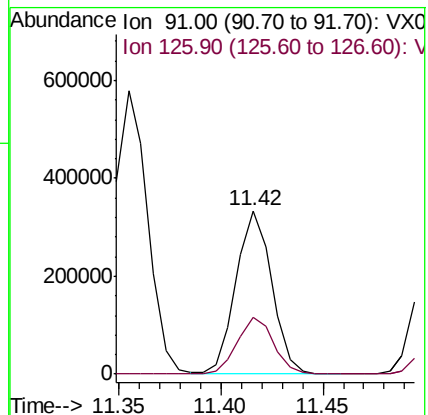
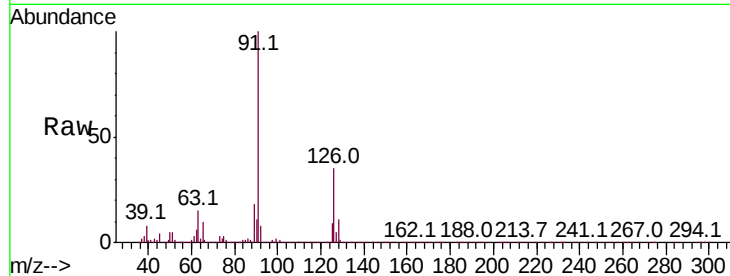
ClientSampleId :

Tot Ion: 91 Resp: 404668

Ion Ratio Lower Upper

91 100

126 35.1 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 20.302 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013722.D

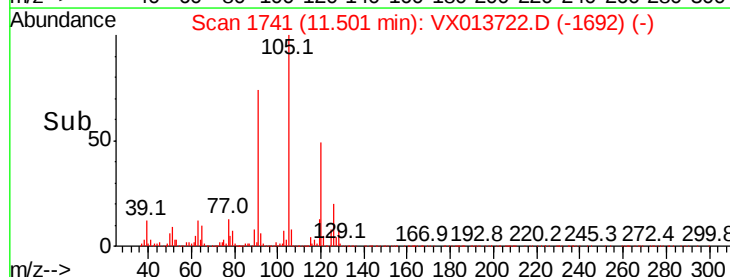
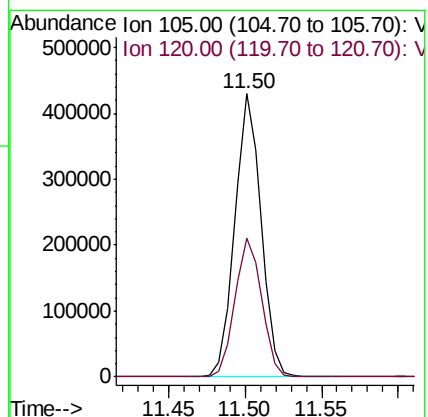
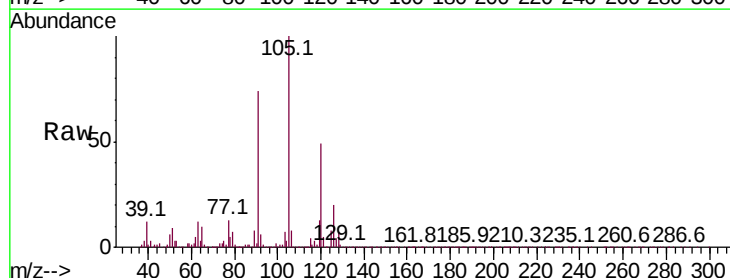
Acq: 03 Dec 2019 14:14

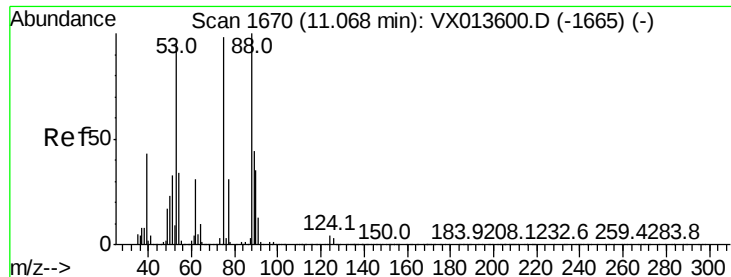
Tgt Ion: 105 Resp: 507745

Ion Ratio Lower Upper

105 100

120 49.9 25.3 75.9

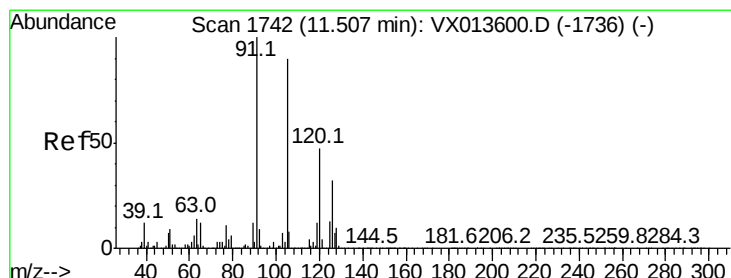
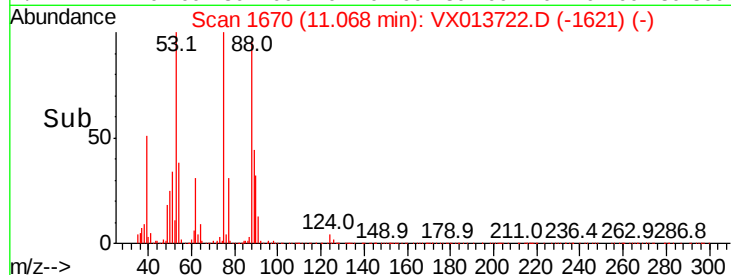
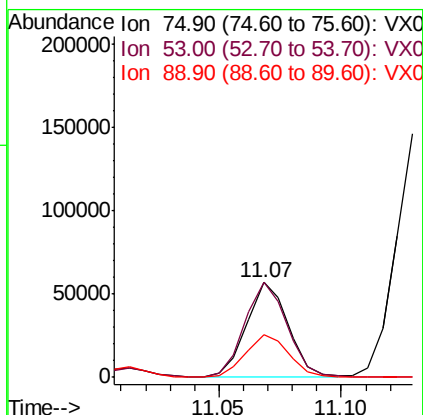
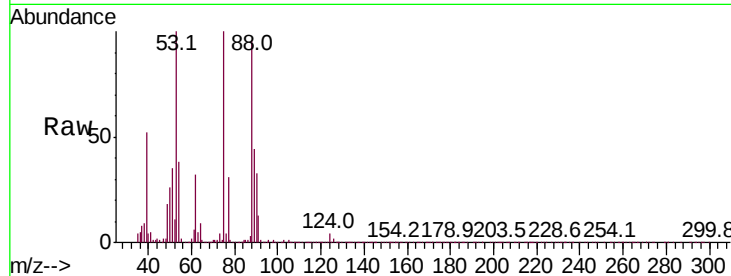




#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.768 ug/l  
RT: 11.07 min Scan# 1670  
Delta R.T. -0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

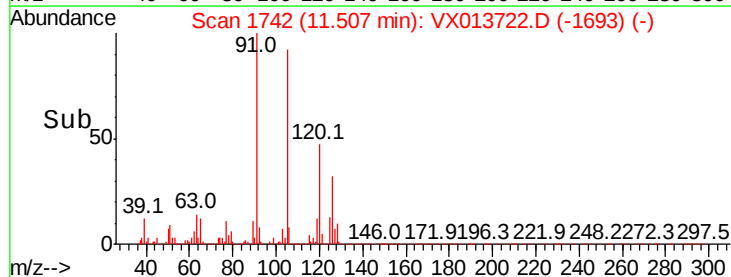
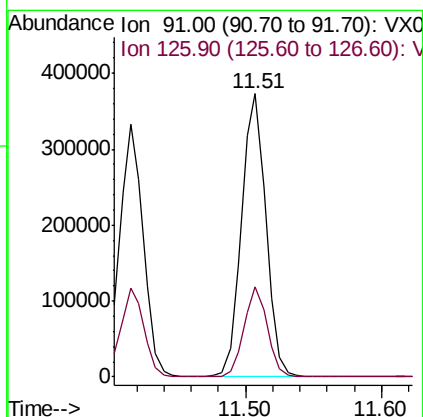
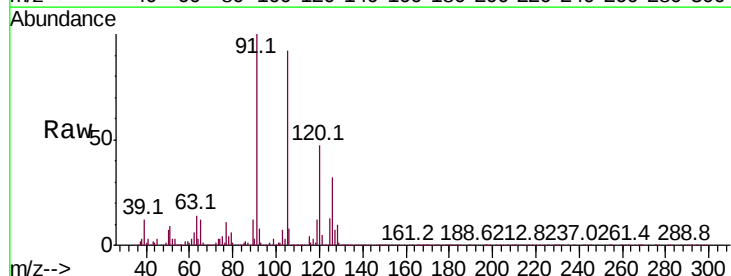
Instrument :  
MSVOA\_X  
ClientSampleId :

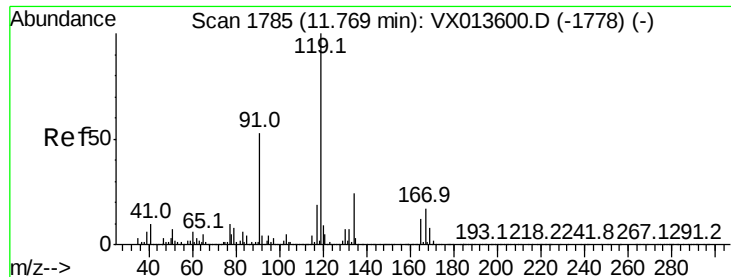
Tot Ion: 75 Resp: 67124  
Ion Ratio Lower Upper  
75 100  
53 104.5 78.2 117.2  
89 47.4 35.4 53.2



#82  
4-Chlorotoluene  
Concen: 19.611 ug/l  
RT: 11.51 min Scan# 1742  
Delta R.T. -0.00 min  
Lab File: VX013722.D  
Acq: 03 Dec 2019 14:14

Tgt Ion: 91 Resp: 464131  
Ion Ratio Lower Upper  
91 100  
126 30.3 15.7 47.0





#83

tert-Butylbenzene

Concen: 19.328 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

Instrument :

MSVOA\_X

ClientSampleId :

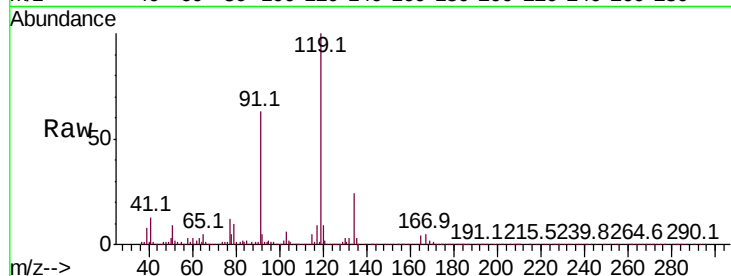
Tot Ion:119 Resp: 491262

Ion Ratio Lower Upper

119 100

91 56.9 27.2 81.6

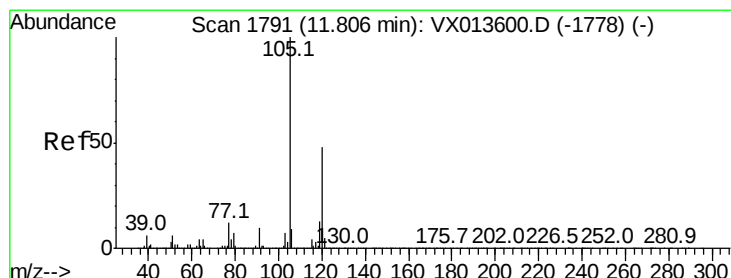
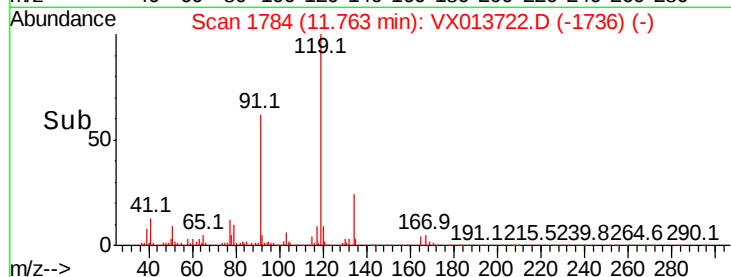
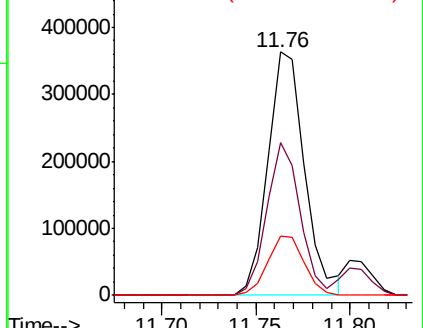
134 24.1 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.196 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: VX013722.D

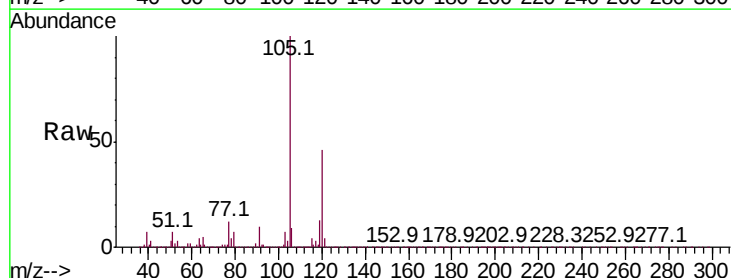
Acq: 03 Dec 2019 14:14

Tgt Ion:105 Resp: 512637

Ion Ratio Lower Upper

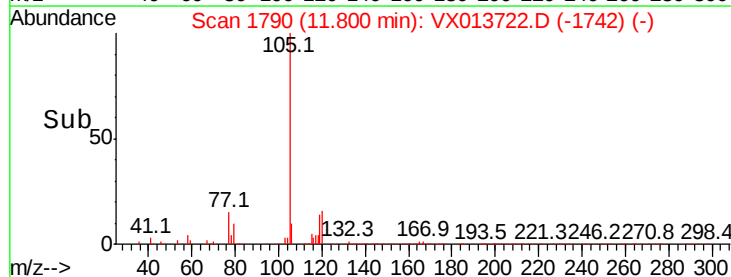
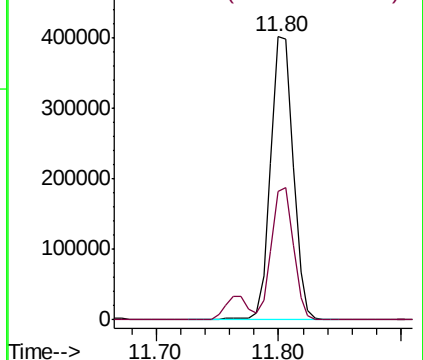
105 100

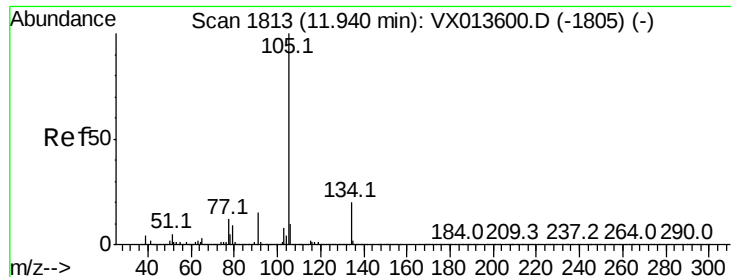
120 45.7 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.459 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

Instrument :

MSVOA\_X

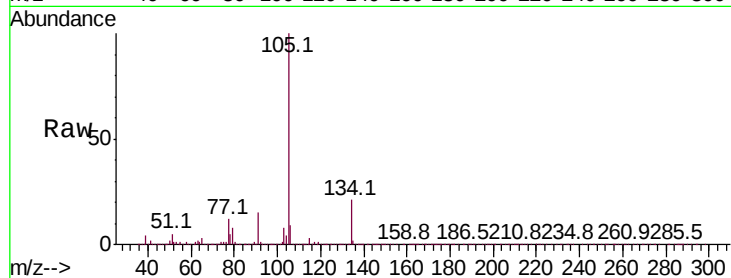
ClientSampled :

Tot Ion:105 Resp: 593981

Ion Ratio Lower Upper

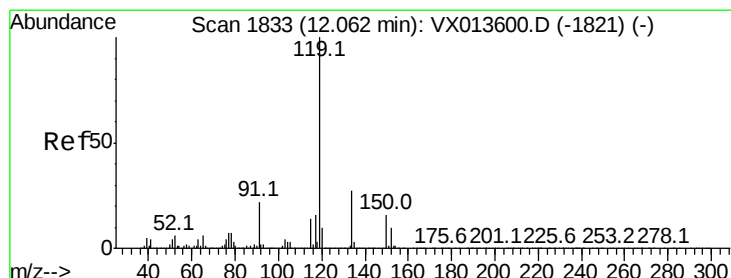
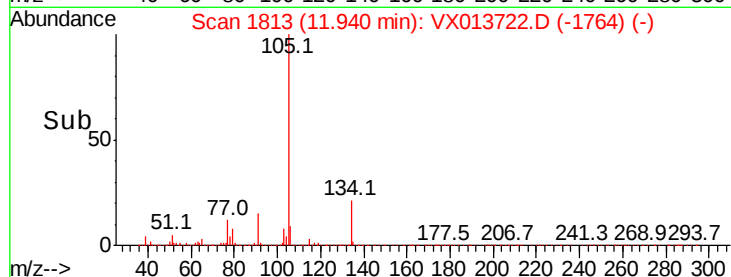
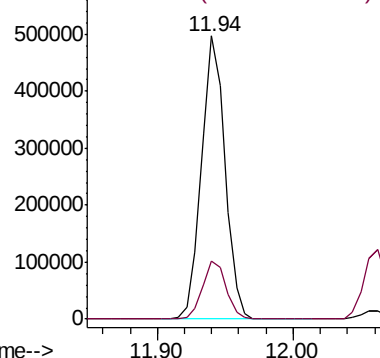
105 100

134 20.6 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.156 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

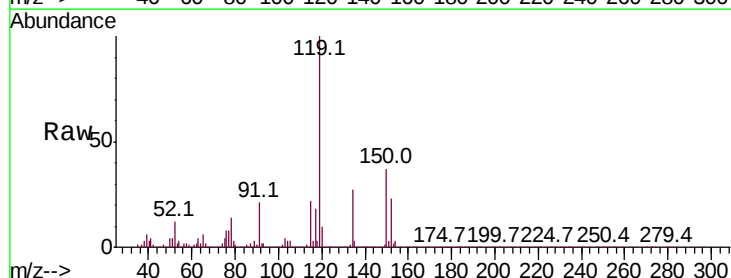
Tgt Ion:119 Resp: 544402

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

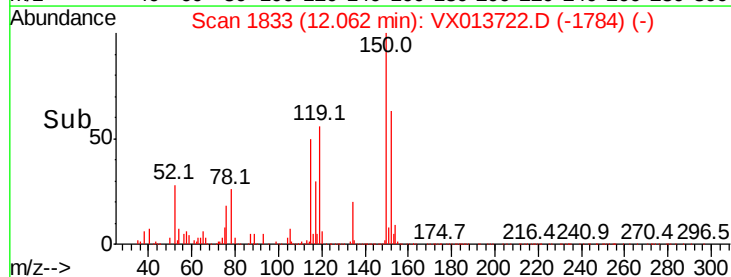
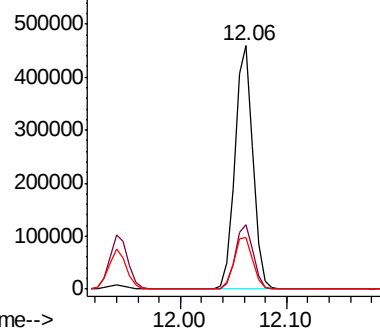
91 22.3 11.3 33.8

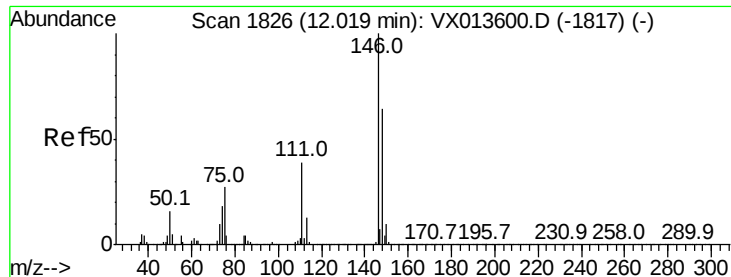


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

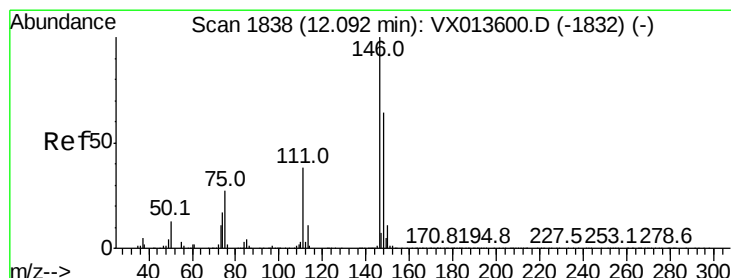
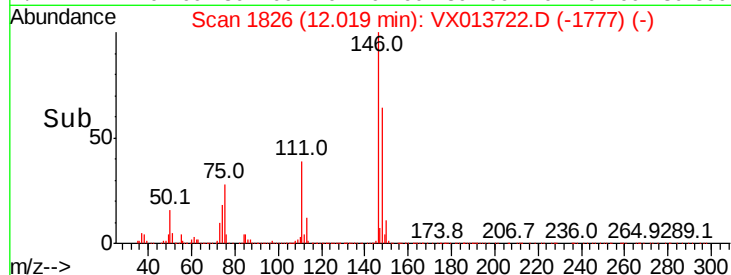
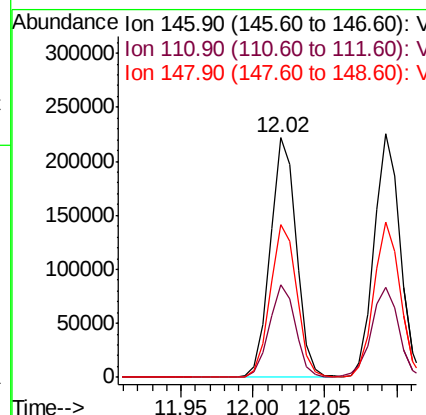
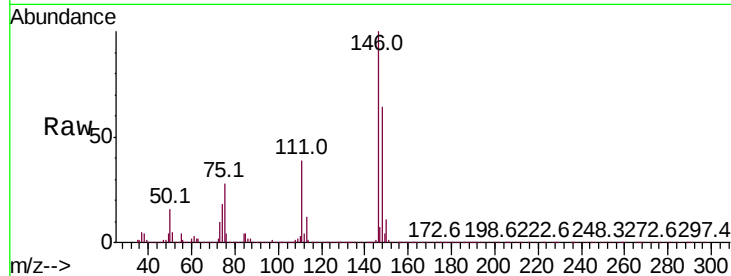




#87  
 1,3-Dichlorobenzene  
 Concen: 19.230 ug/l  
 RT: 12.02 min Scan# 1826  
 Delta R.T. -0.00 min  
 Lab File: VX013722.D  
 Acq: 03 Dec 2019 14:14

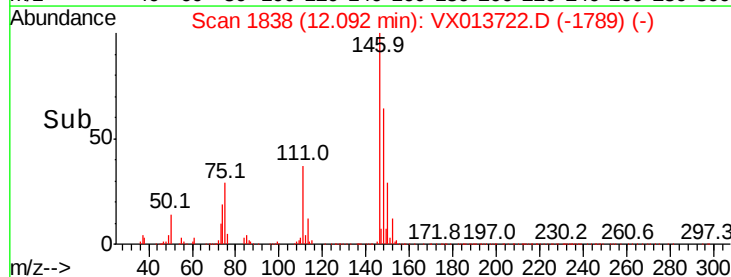
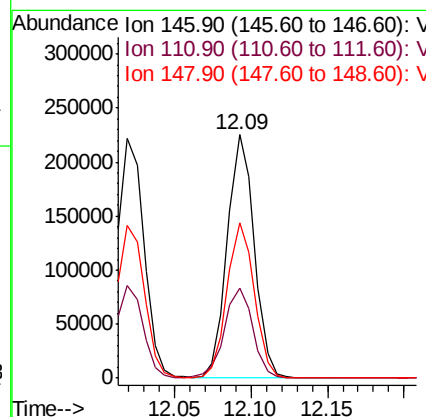
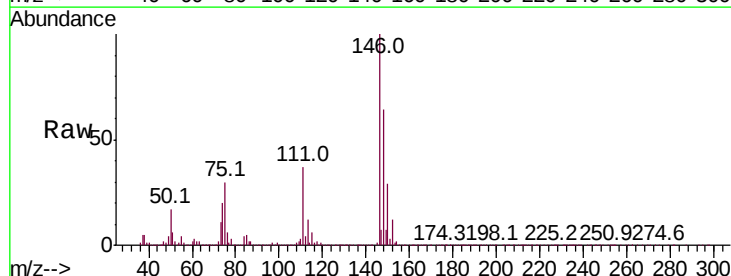
Instrument :  
 MSVOA\_X  
 ClientSampleId :

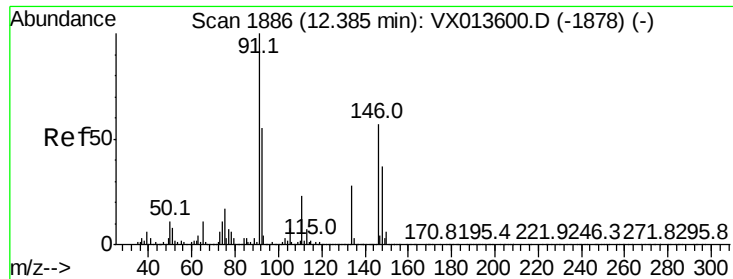
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.5  | 19.0  | 57.0  |
| 148     | 64.6  | 31.8  | 95.4  |



#88  
 1,4-Dichlorobenzene  
 Concen: 18.780 ug/l  
 RT: 12.09 min Scan# 1838  
 Delta R.T. -0.00 min  
 Lab File: VX013722.D  
 Acq: 03 Dec 2019 14:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.9  | 18.9  | 56.9  |
| 148     | 64.7  | 31.9  | 95.5  |





#89

n-Butylbenzene

Concen: 19.725 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

Instrument :

MSVOA\_X

ClientSampled :

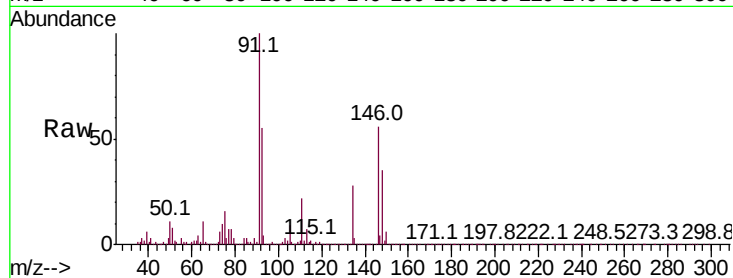
Tot Ion: 91 Resp: 454385

Ion Ratio Lower Upper

91 100

92 54.4 27.4 82.2

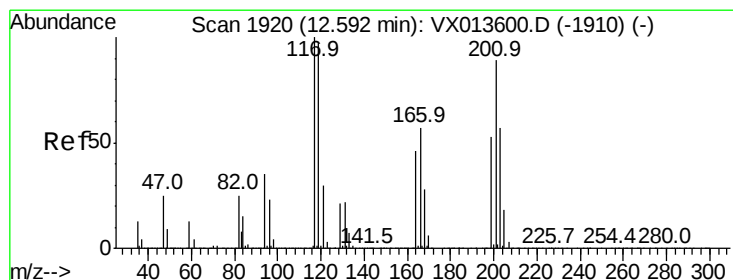
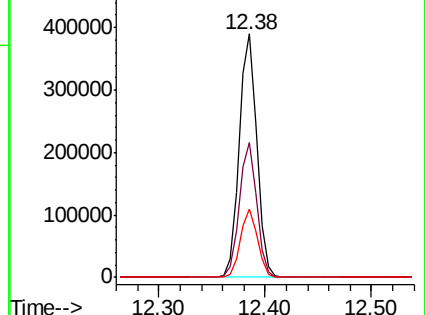
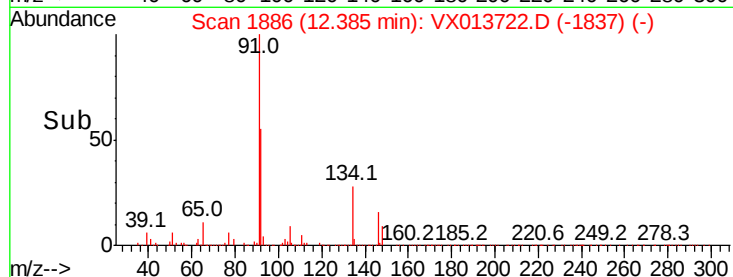
134 27.2 13.5 40.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.307 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VX013722.D

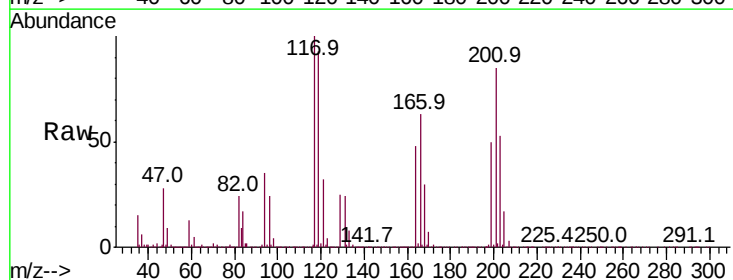
Acq: 03 Dec 2019 14:14

Tgt Ion: 117 Resp: 94255

Ion Ratio Lower Upper

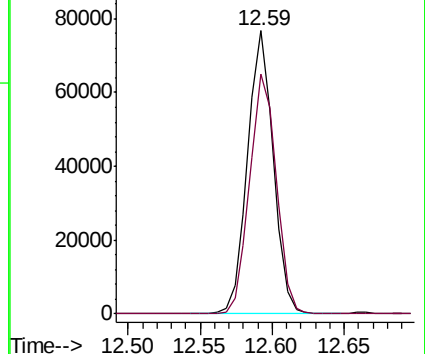
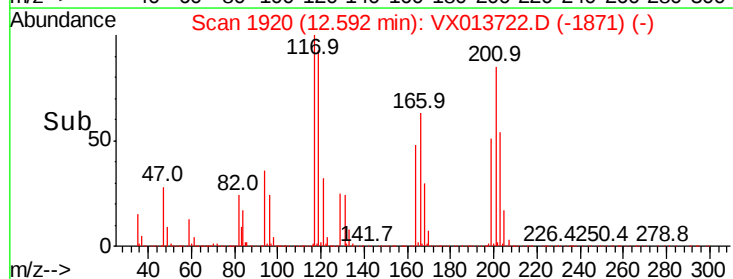
117 100

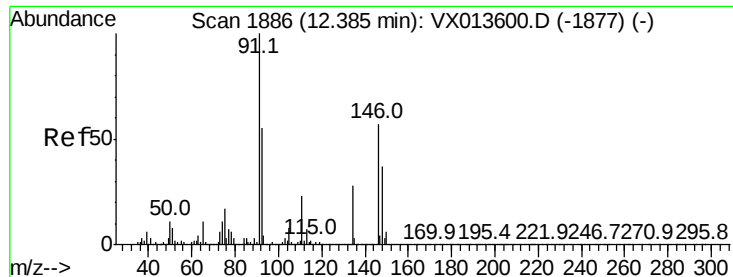
201 87.7 44.1 132.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

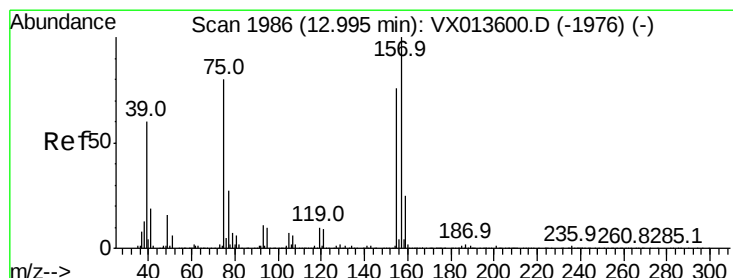
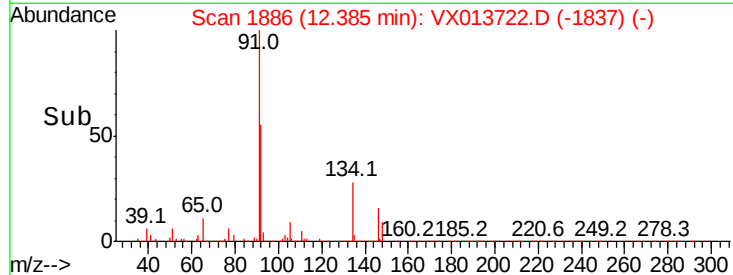
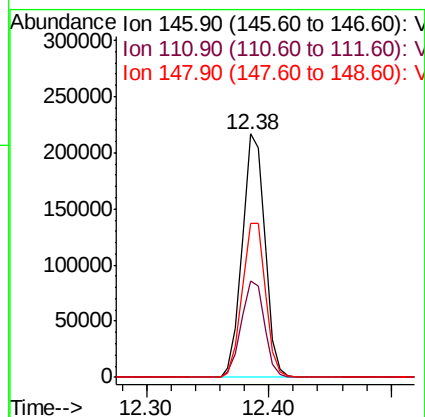
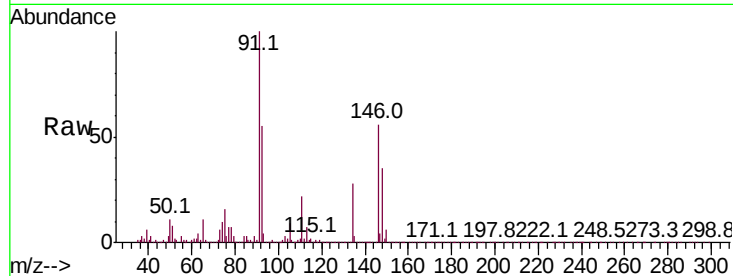




#91  
 1,2-Dichlorobenzene  
 Concen: 19.489 ug/l  
 RT: 12.38 min Scan# 1886  
 Delta R.T. -0.00 min  
 Lab File: VX013722.D  
 Acq: 03 Dec 2019 14:14

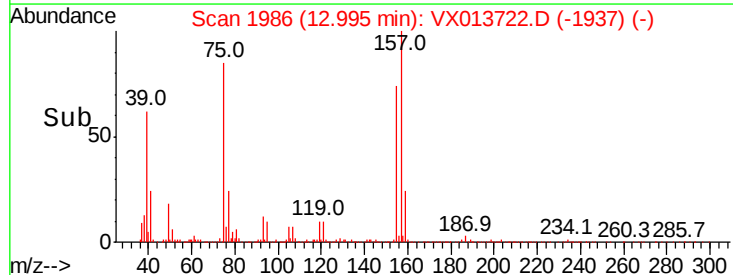
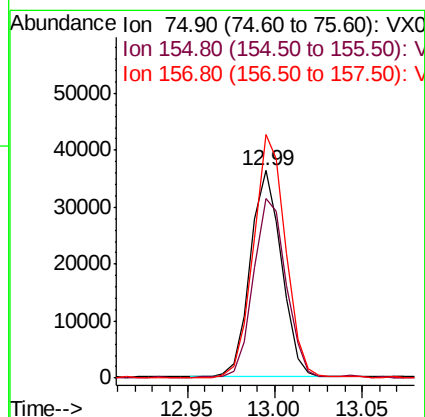
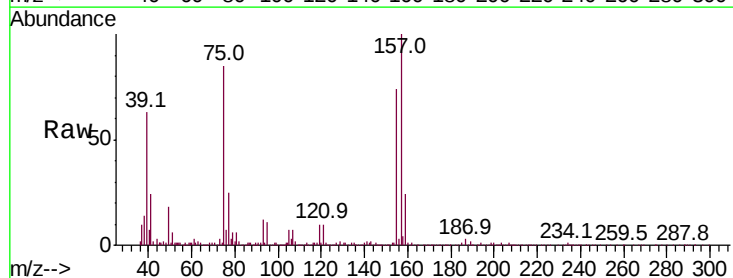
Instrument :  
 MSVOA\_X  
 ClientSampleId :

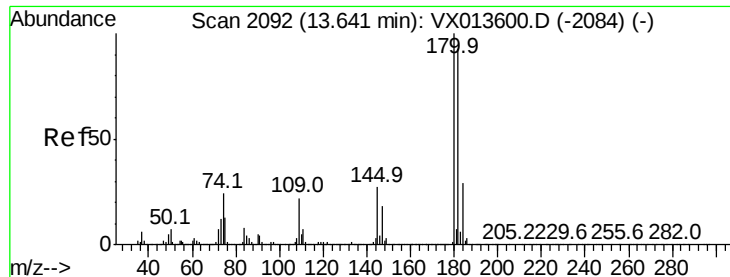
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.1  | 19.6  | 58.7  |
| 148     | 64.9  | 31.9  | 95.7  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.539 ug/l  
 RT: 12.99 min Scan# 1986  
 Delta R.T. -0.00 min  
 Lab File: VX013722.D  
 Acq: 03 Dec 2019 14:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 91.9  | 47.6  | 142.8 |
| 157     | 122.4 | 62.1  | 186.2 |





#93

1,2,4-Trichlorobenzene

Concen: 18.891 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

Instrument :

MSVOA\_X

ClientSampleId :

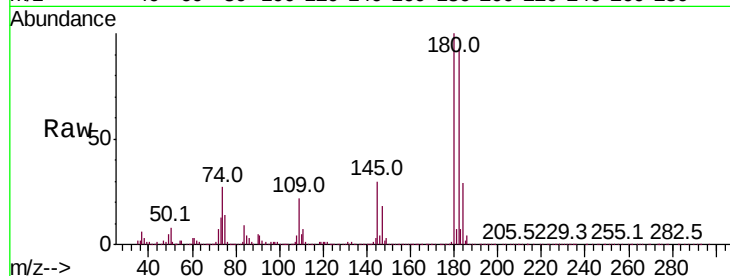
Tot Ion:180 Resp: 186929

Ion Ratio Lower Upper

180 100

182 94.9 47.2 141.6

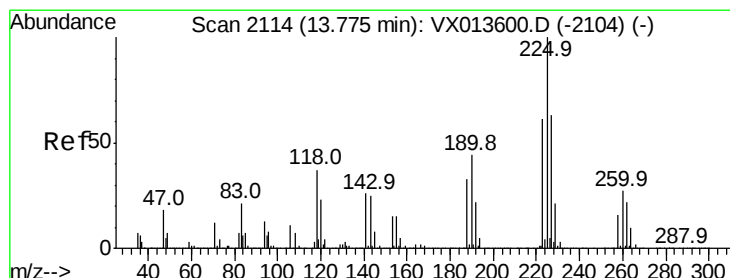
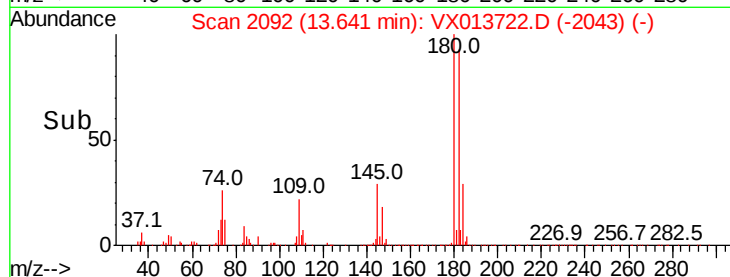
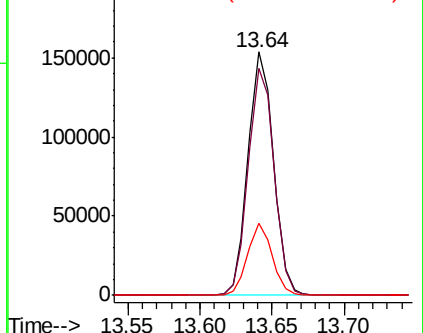
145 28.3 13.8 41.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 18.710 ug/l

RT: 13.78 min Scan# 2115

Delta R.T. 0.01 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

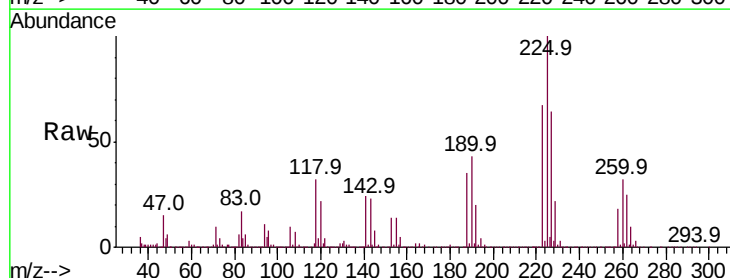
Tgt Ion:225 Resp: 88936

Ion Ratio Lower Upper

225 100

223 65.3 31.9 95.5

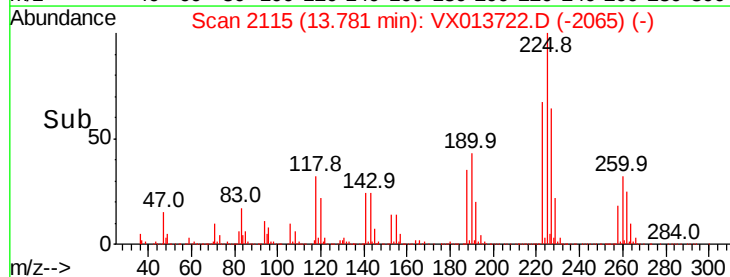
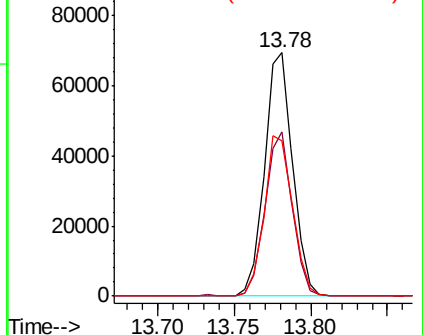
227 66.9 32.1 96.3

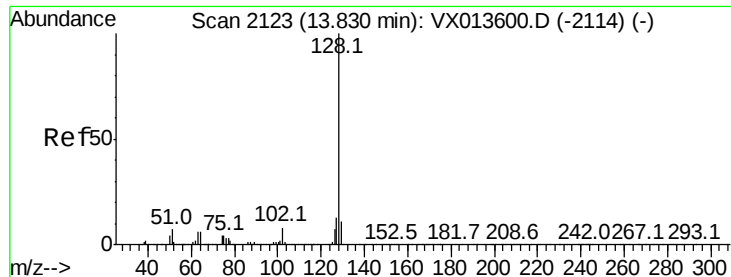


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.606 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

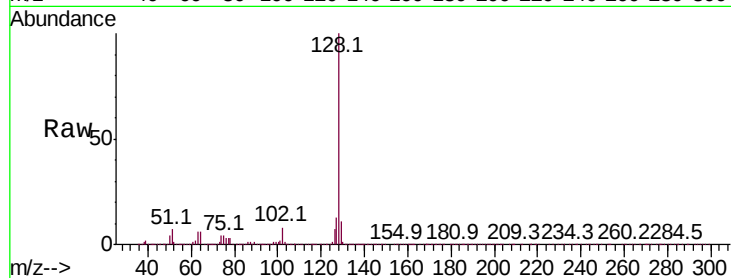
Instrument :

MSVOA\_X

ClientSampleId :

Tot Ion:128 Resp: 577746

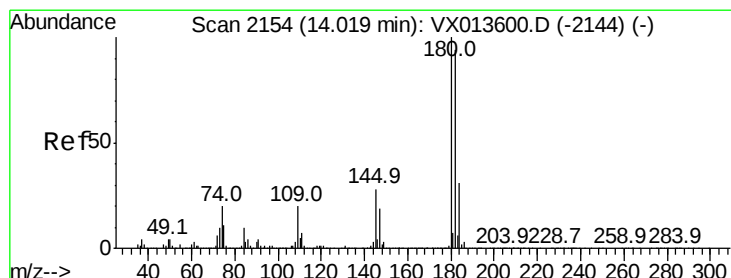
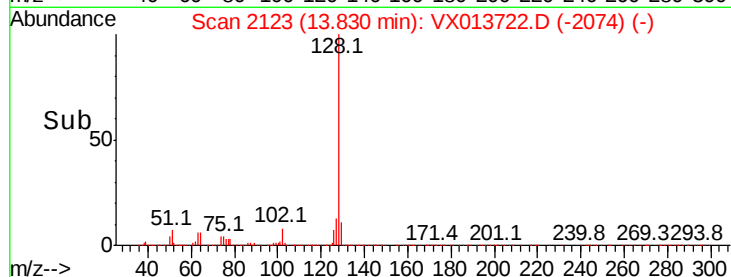
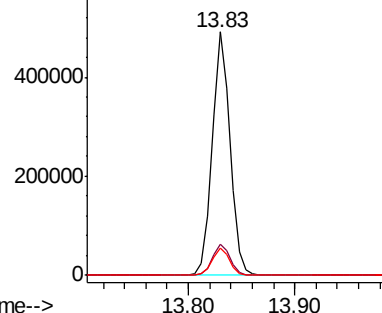
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 12.8  | 10.3  | 15.5  |
| 129 | 11.0  | 8.7   | 13.1  |



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.124 ug/l

RT: 14.02 min Scan# 2154

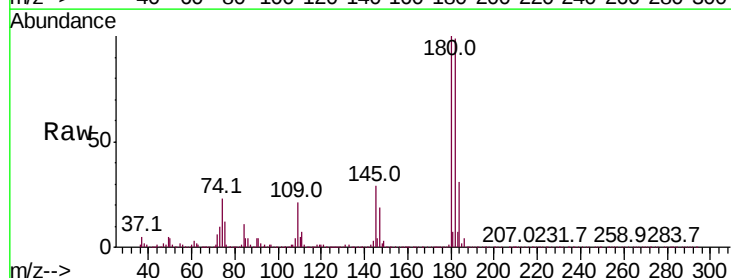
Delta R.T. -0.00 min

Lab File: VX013722.D

Acq: 03 Dec 2019 14:14

Tgt Ion:180 Resp: 187366

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 97.7  | 47.6  | 142.8 |
| 145 | 30.0  | 15.0  | 45.0  |



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

