

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX120919\  
 Data File : VX013866.D  
 Acq On : 09 Dec 2019 21:14  
 Operator : JC/SP  
 Sample : K6185-08MS  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE131D2-20191204MS

Quant Time: Dec 12 08:13:55 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  | 534985   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 842921   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 765925   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 373528   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 6.06   | 65  | 292807   | 47.15 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.30% |      |
| 35) Dibromofluoromethane  | 5.48   | 113 | 247112   | 47.42 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.84% |      |
| 50) Toluene-d8            | 8.71   | 98  | 919138   | 45.27 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 90.54% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 330717   | 45.17 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 90.34% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85  | 282196  | 47.391  | ug/l | 97     |
| 3) Chloromethane              | 1.32 | 50  | 321063  | 48.052  | ug/l | 100    |
| 4) Vinyl Chloride             | 1.40 | 62  | 374935  | 49.856  | ug/l | 100    |
| 5) Bromomethane               | 1.63 | 94  | 222632  | 44.082  | ug/l | 97     |
| 6) Chloroethane               | 1.71 | 64  | 207931  | 48.589  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 405965  | 48.615  | ug/l | 98     |
| 8) Diethyl Ether              | 2.18 | 74  | 195253  | 51.683  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 1282019 | 251.345 | ug/l | 99     |
| 10) Methyl Iodide             | 2.50 | 142 | 297227  | 48.173  | ug/l | 99     |
| 11) Tert butyl alcohol        | 3.04 | 59  | 407210  | 265.661 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 258645  | 50.802  | ug/l | 98     |
| 13) Acrolein                  | 2.28 | 56  | 308246  | 299.479 | ug/l | 97     |
| 14) Allyl chloride            | 2.72 | 41  | 462311  | 50.037  | ug/l | 98     |
| 15) Acrylonitrile             | 3.13 | 53  | 848891  | 268.296 | ug/l | 99     |
| 16) Acetone                   | 2.44 | 43  | 739046  | 241.050 | ug/l | 100    |
| 17) Carbon Disulfide          | 2.56 | 76  | 617226  | 42.527  | ug/l | 99     |
| 18) Methyl Acetate            | 2.76 | 43  | 456911  | 53.518  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 3.19 | 73  | 866604  | 51.381  | ug/l | 99     |
| 20) Methylene Chloride        | 2.84 | 84  | 291388  | 49.470  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 3.15 | 96  | 267685  | 48.263  | ug/l | 97     |
| 22) Diisopropyl ether         | 3.84 | 45  | 941280  | 52.908  | ug/l | 100    |
| 23) Vinyl Acetate             | 3.80 | 43  | 3636448 | 245.704 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 3.69 | 63  | 504206  | 51.843  | ug/l | 99     |
| 25) 2-Butanone                | 4.66 | 43  | 1210269 | 265.610 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 4.57 | 77  | 329706  | 40.974  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 4.58 | 96  | 346818  | 54.450  | ug/l | 98     |
| 28) Bromochloromethane        | 5.01 | 49  | 208315  | 54.202  | ug/l | 98     |
| 29) Tetrahydrofuran           | 5.11 | 42  | 779647  | 277.555 | ug/l | 99     |
| 30) Chloroform                | 5.20 | 83  | 497635  | 50.453  | ug/l | 99     |
| 31) Cyclohexane               | 5.57 | 56  | 432604  | 47.159  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 5.48 | 97  | 413108  | 50.120  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 359459  | 46.978  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.82 | 43  | 430827  | 50.190  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 345576  | 48.980  | ug/l | 97     |

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 ALS Vial : 22 Sample Multiplier: 1

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 MSVOA\_X  
 ClientSampleId :  
 RE131D2-20191204MS

Quant Time: Dec 12 08:13:55 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          | 7.46  | 83   | 415393   | 43.919   | ug/l   | 98       |
| 40) Benzene                    | 6.13  | 78   | 1141233  | 48.971   | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.03  | 41   | 253059   | 53.756   | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 6.18  | 62   | 394593   | 49.649   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 6.43  | 43   | 691959   | 48.964   | ug/l   | 100      |
| 44) Trichloroethene            | 7.21  | 130  | 1038120  | 162.313  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 299851   | 51.427   | ug/l   | 97       |
| 46) Dibromomethane             | 7.65  | 93   | 195455   | 49.357   | ug/l   | 99       |
| 47) Bromodichloromethane       | 7.89  | 83   | 384943   | 51.420   | ug/l   | 98       |
| 48) Methyl methacrylate        | 7.76  | 41   | 359448   | 52.349   | ug/l   | 100      |
| 49) 1,4-Dioxane                | 7.73  | 88   | 169274   | 1101.362 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 2363771  | 265.912  | ug/l   | 100      |
| 52) Toluene                    | 8.78  | 92   | 711089   | 49.117   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 405954   | 47.640   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 454322   | 48.801   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 300252   | 51.464   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 9.17  | 69   | 481076   | 51.288   | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 507737   | 50.490   | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.49  | 43   | 1852775  | 267.241  | ug/l   | 98       |
| 60) Dibromochloromethane       | 9.57  | 129  | 310997   | 51.365   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 310728   | 49.867   | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.33  | 164  | 345733   | 60.530   | ug/l   | 95       |
| 65) Chlorobenzene              | 10.14 | 112  | 768663   | 48.337   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 286812   | 50.227   | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.25 | 91   | 1337857  | 48.959   | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.35 | 106  | 1009309  | 96.474   | ug/l   | 100      |
| 69) o-Xylene                   | 10.70 | 106  | 499140   | 48.918   | ug/l   | 98       |
| 70) Stvrene                    | 10.71 | 104  | 848999   | 49.464   | ug/l   | 99       |
| 71) Bromoform                  | 10.85 | 173  | 238425   | 50.462   | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.01 | 105  | 1305099  | 49.810   | ug/l   | 99       |
| 74) N-amyl acetate             | 10.89 | 43   | 598163   | 49.836   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 489663   | 53.889   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 536898   | 63.907   | ug/l   | 88       |
| 77) Bromobenzene               | 11.25 | 156  | 346115   | 48.897   | ug/l   | 98       |
| 78) n-propylbenzene            | 11.35 | 91   | 1440490  | 49.249   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 867829   | 49.461   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 1070036  | 49.828   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 144991   | 47.215   | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 984167   | 48.429   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 1104931  | 50.628   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 1086519  | 49.853   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.94 | 105  | 1233814  | 49.495   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 1117846  | 48.202   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 589791   | 47.799   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 588693   | 46.841   | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.38 | 91   | 911464   | 46.082   | ug/l   | 99       |
| 90) Hexachloroethane           | 12.59 | 117  | 207622   | 49.531   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 597452   | 49.006   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 102182   | 51.640   | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene     | 13.64 | 180  | 376193   | 44.277   | ug/l   | 99       |

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Sample : K6185-08MS  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 22 Sample Multiplier: 1

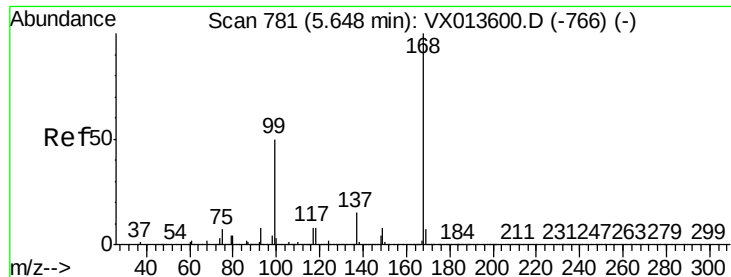
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE131D2-20191204MS

Quant Time: Dec 12 08:13:55 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) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 94) Hexachlorobutadiene    | 13.78 | 225  | 173433   | 42.492 | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 1216148  | 48.064 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 393689   | 46.798 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

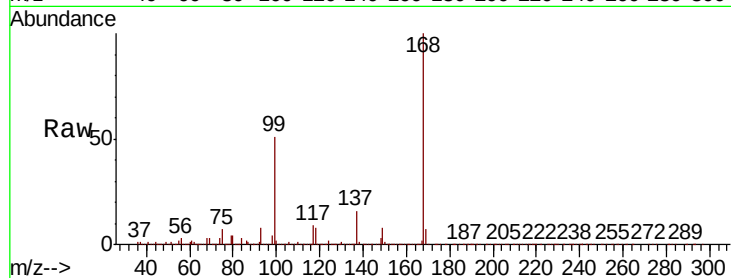
RE131D2-20191204MS

Tot Ion:168 Resp: 534985

Ion Ratio Lower Upper

168 100

99 50.6 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

200000

150000

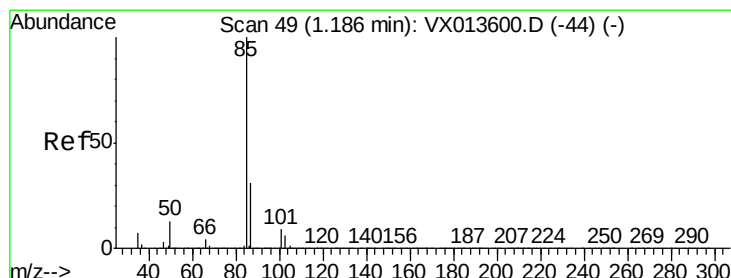
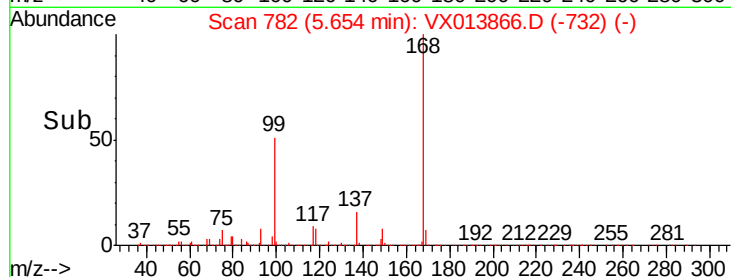
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50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.391 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX013866.D

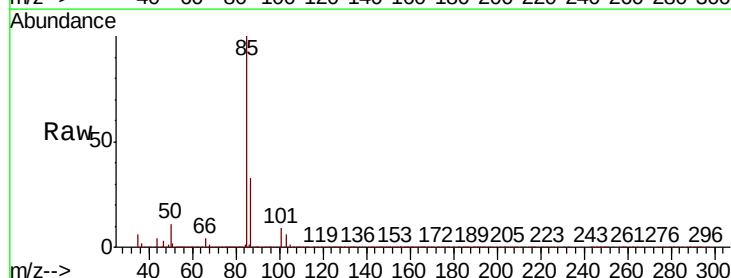
Acq: 09 Dec 2019 21:14

Tgt Ion: 85 Resp: 282196

Ion Ratio Lower Upper

85 100

87 33.0 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

250000

200000

150000

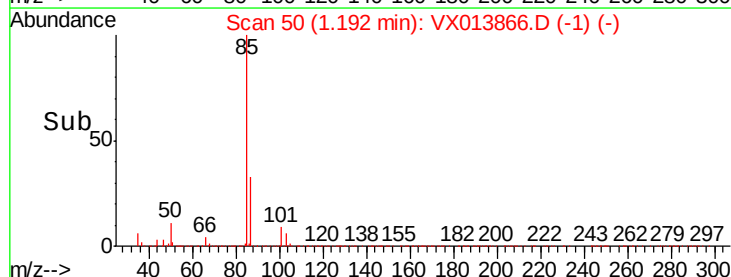
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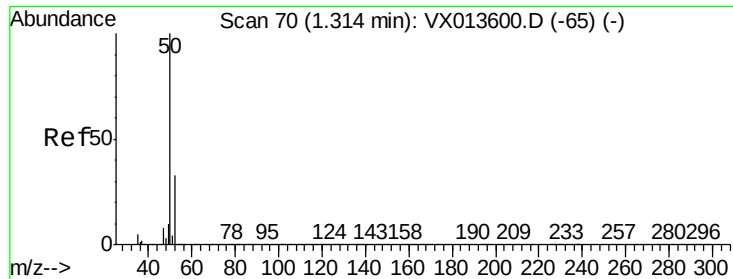
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0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 48.052 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

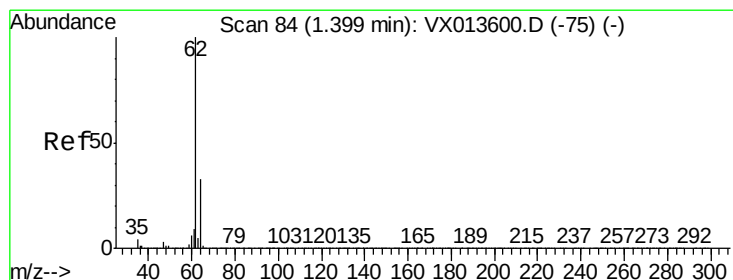
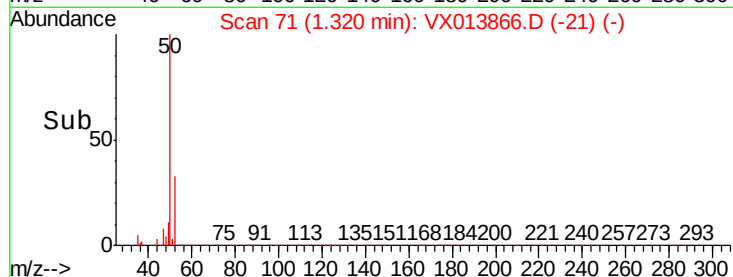
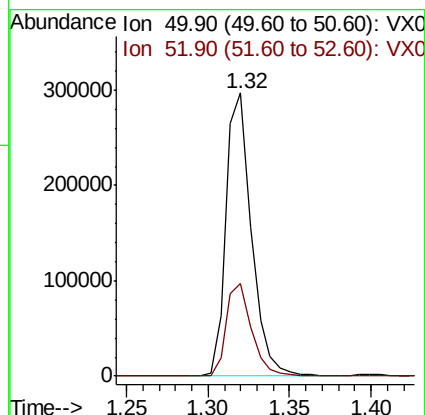
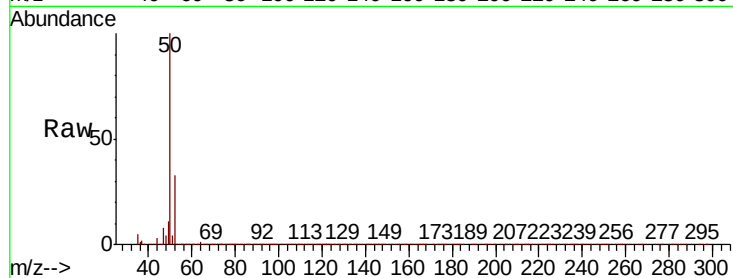
RE131D2-20191204MS

Tot Ion: 50 Resp: 321063

Ion Ratio Lower Upper

50 100

52 32.6 26.0 39.0



#4

Vinyl Chloride

Concen: 49.856 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013866.D

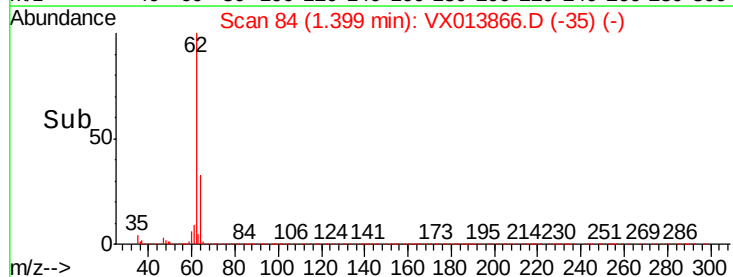
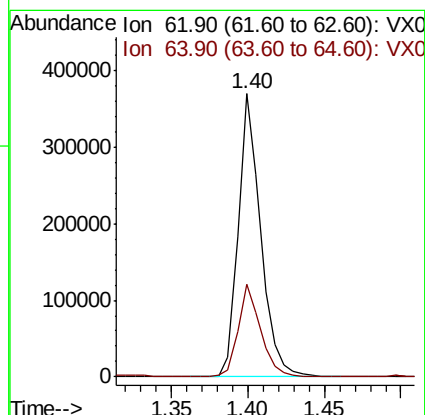
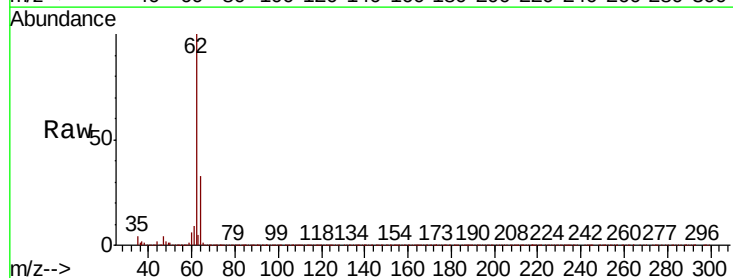
Acq: 09 Dec 2019 21:14

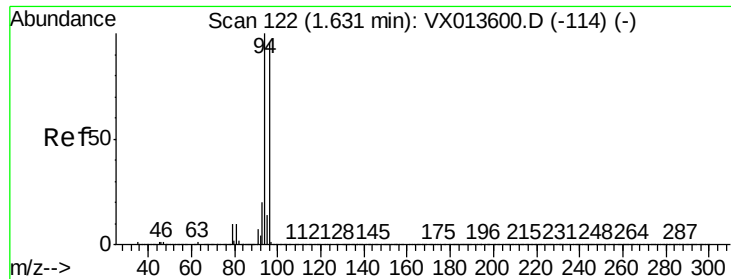
Tgt Ion: 62 Resp: 374935

Ion Ratio Lower Upper

62 100

64 32.5 26.0 39.0





#5

Bromomethane

Concen: 44.082 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

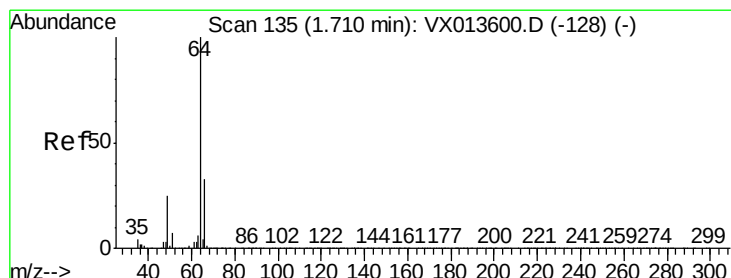
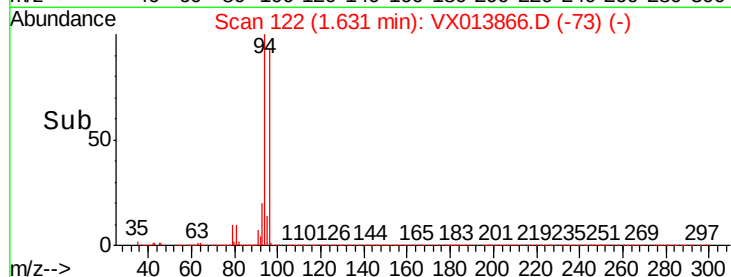
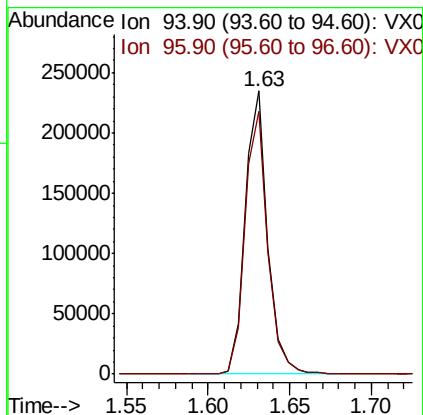
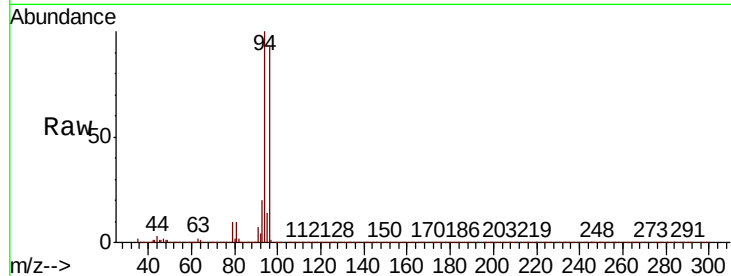
RE131D2-20191204MS

Tot Ion: 94 Resp: 222632

Ion Ratio Lower Upper

94 100

96 92.9 77.0 115.4



#6

Chloroethane

Concen: 48.589 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX013866.D

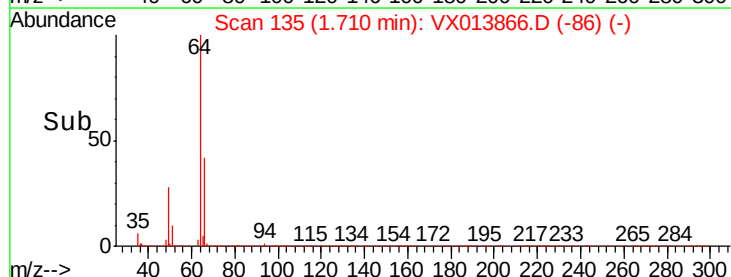
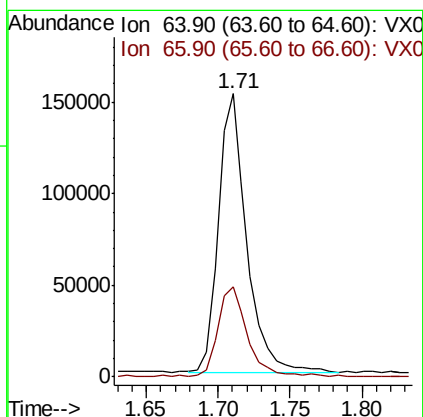
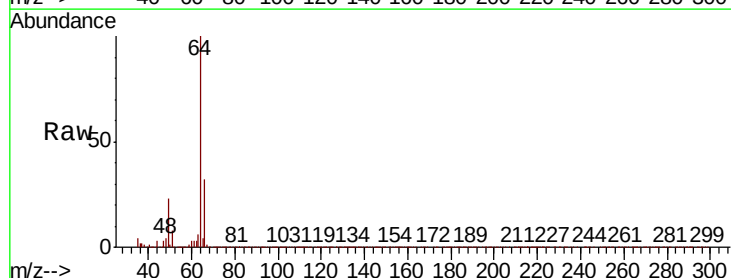
Acq: 09 Dec 2019 21:14

Tgt Ion: 64 Resp: 207931

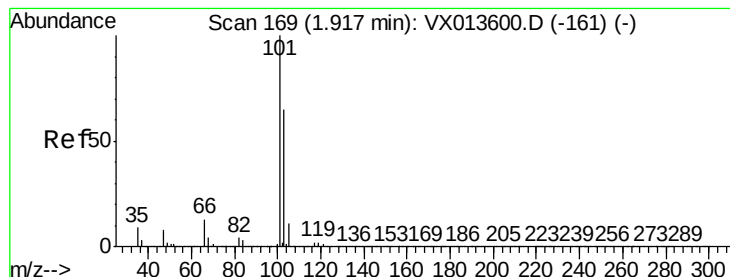
Ion Ratio Lower Upper

64 100

66 32.0 26.7 40.1





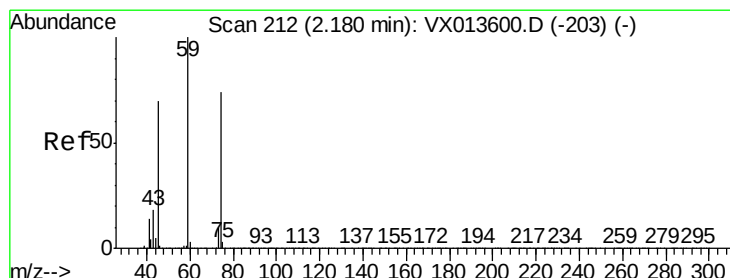
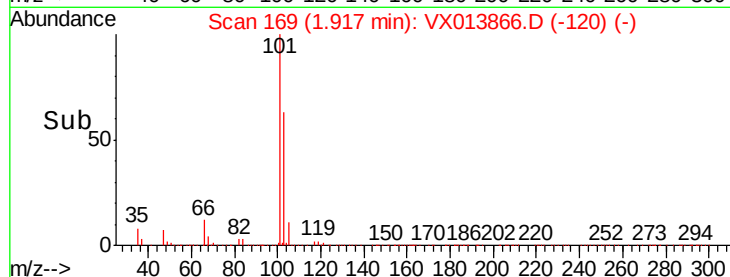
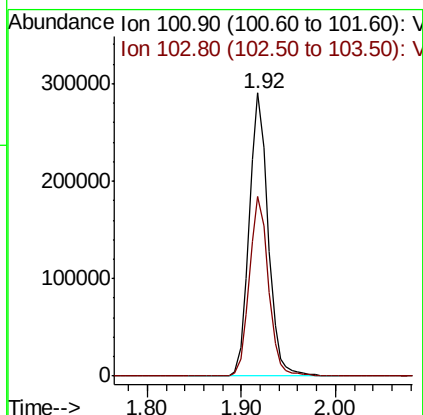
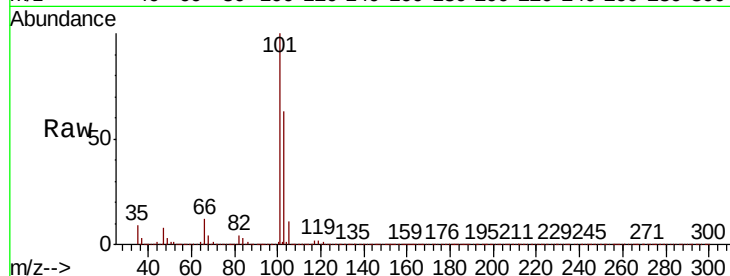


#7

Trichlorofluoromethane  
Concen: 48.615 ug/l  
RT: 1.92 min Scan# 169  
Delta R.T. -0.00 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE131D2-20191204MS

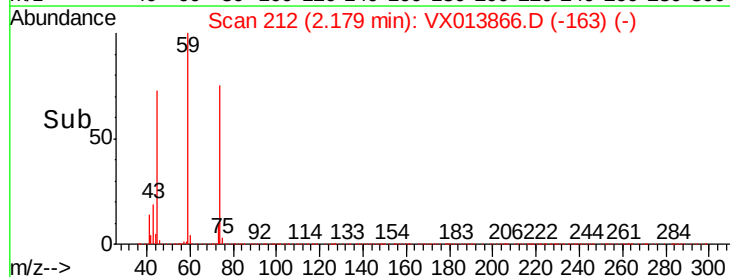
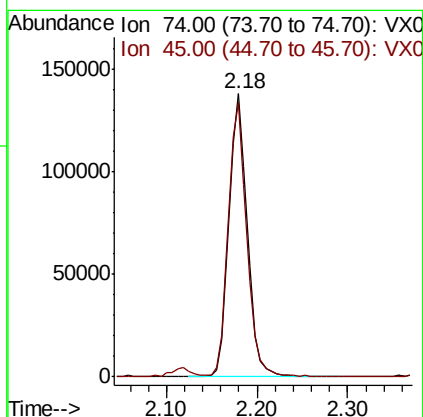
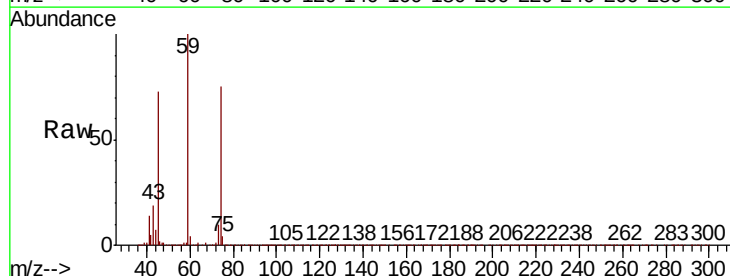
Tot Ion:101 Resp: 405965  
Ion Ratio Lower Upper  
101 100  
103 63.2 51.8 77.6



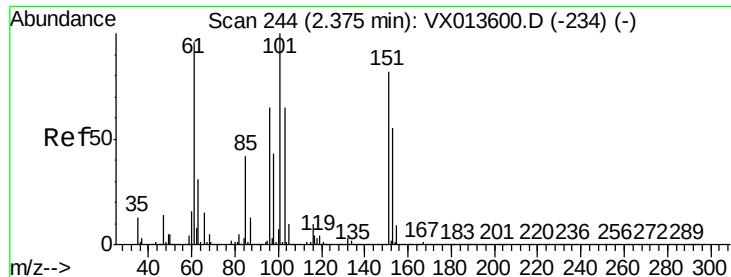
#8

Diethyl Ether  
Concen: 51.683 ug/l  
RT: 2.18 min Scan# 212  
Delta R.T. -0.00 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

Tgt Ion: 74 Resp: 195253  
Ion Ratio Lower Upper  
74 100  
45 96.7 48.9 146.8







#9

1,1,2-Trichlorotrifluoroethane

Concen: 251.345 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

RE131D2-20191204MS

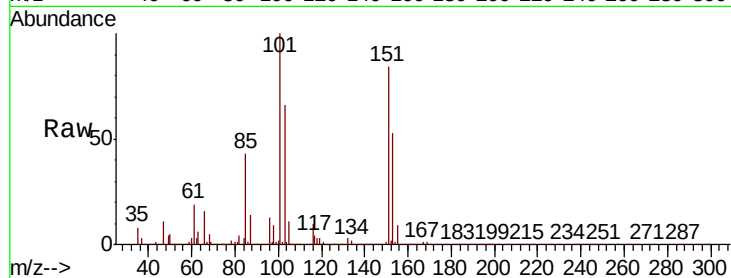
Tot Ion:101 Resp: 1282019

Ion Ratio Lower Upper

101 100

85 42.3 33.9 50.9

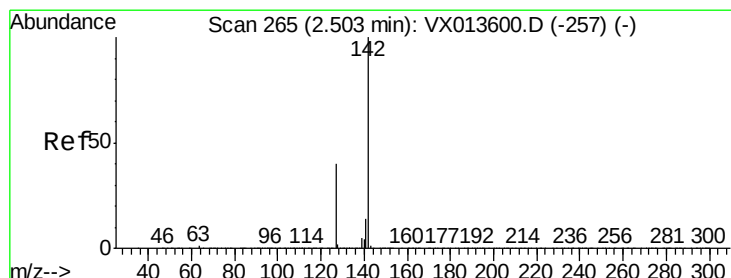
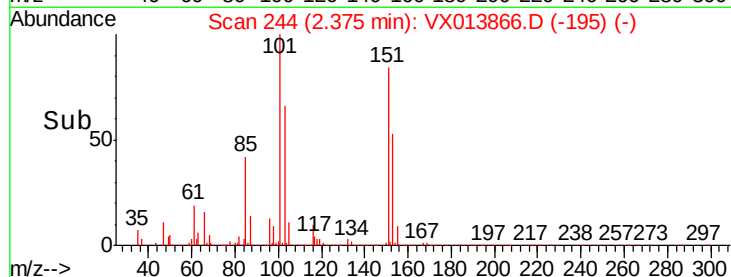
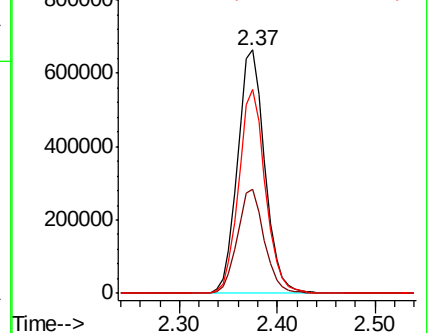
151 82.0 64.2 96.2



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: 48.173 ug/l

RT: 2.50 min Scan# 265

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

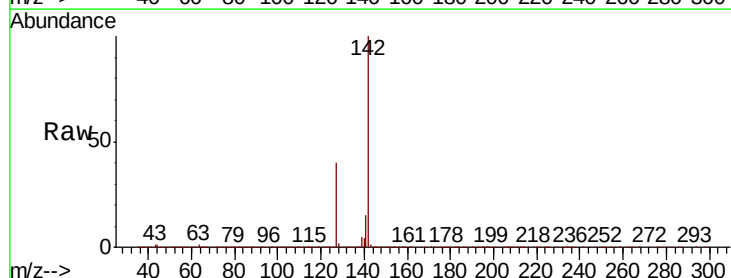
Tgt Ion:142 Resp: 297227

Ion Ratio Lower Upper

142 100

127 39.6 31.0 46.4

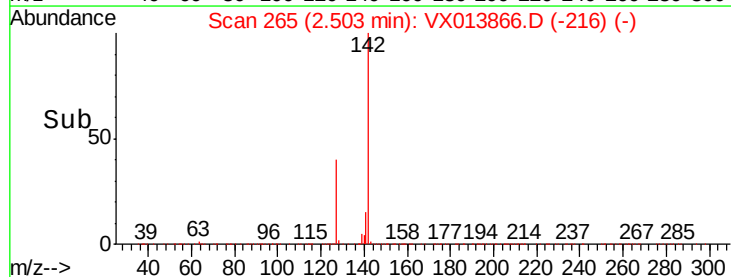
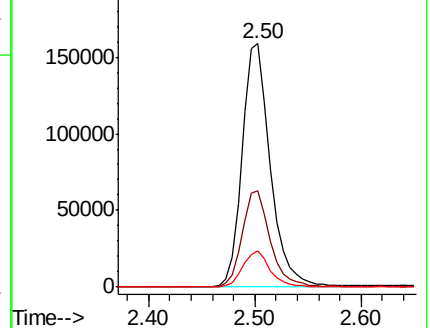
141 14.6 11.6 17.4

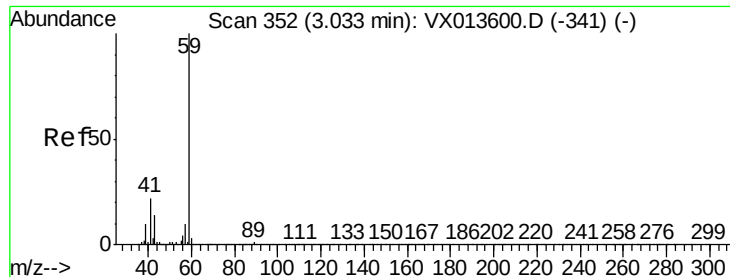


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



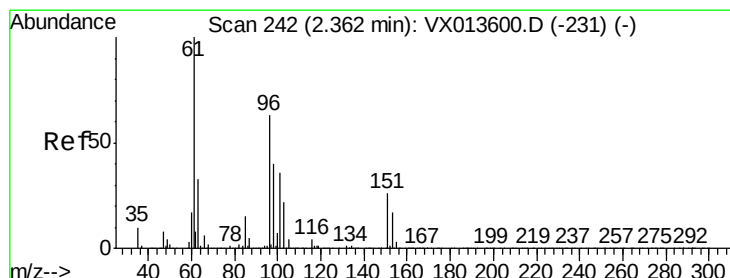
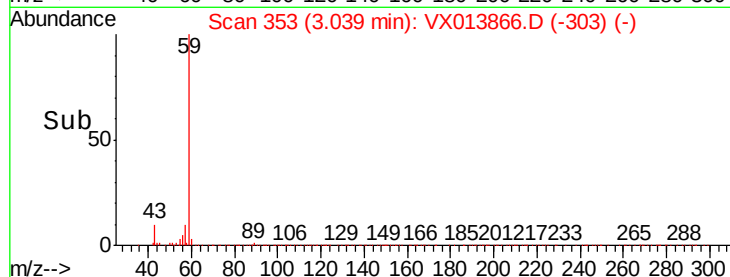
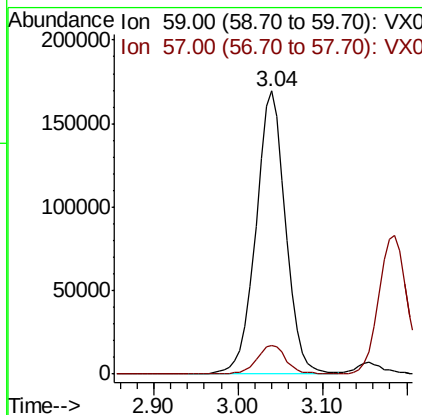
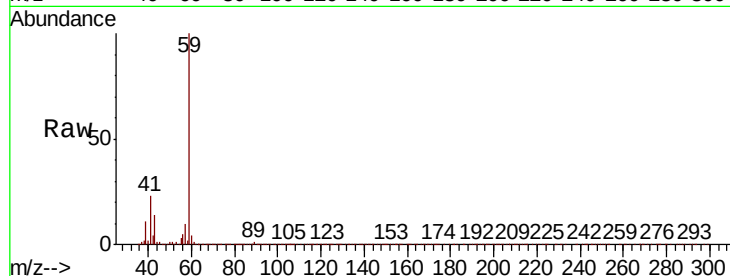


#11

Tert butyl alcohol  
Concen: 265.661 ug/l  
RT: 3.04 min Scan# 353  
Delta R.T. 0.01 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE131D2-20191204MS

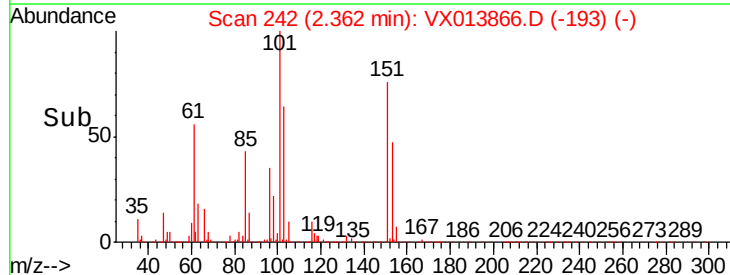
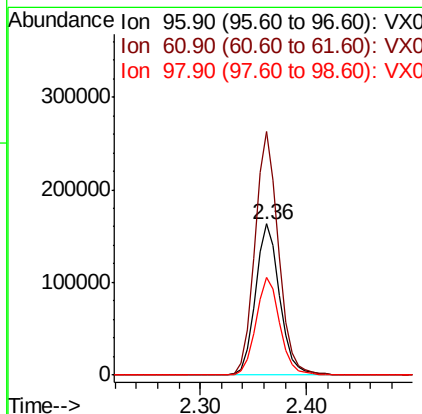
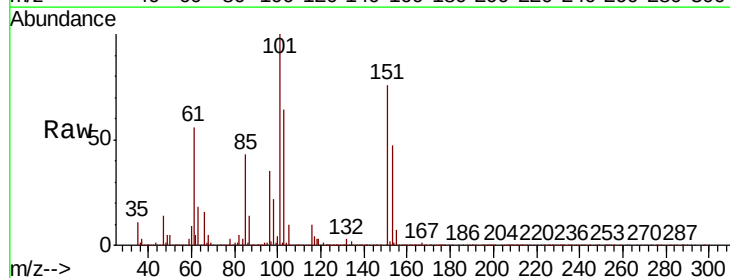
Tot Ion: 59 Resp: 407210  
Ion Ratio Lower Upper  
59 100  
57 10.2 7.8 11.6

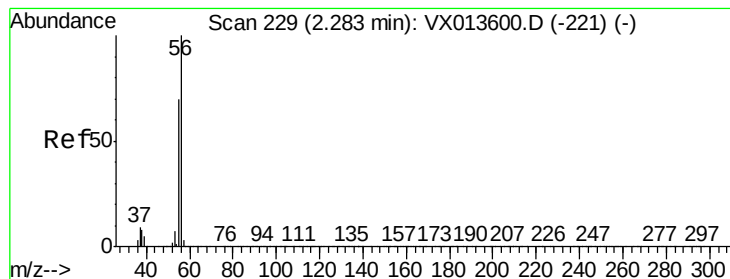


#12

1,1-Dichloroethene  
Concen: 50.802 ug/l  
RT: 2.36 min Scan# 242  
Delta R.T. -0.00 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

Tgt Ion: 96 Resp: 258645  
Ion Ratio Lower Upper  
96 100  
61 160.8 126.6 190.0  
98 64.7 50.6 76.0





#13

Acrolein

Concen: 299.479 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

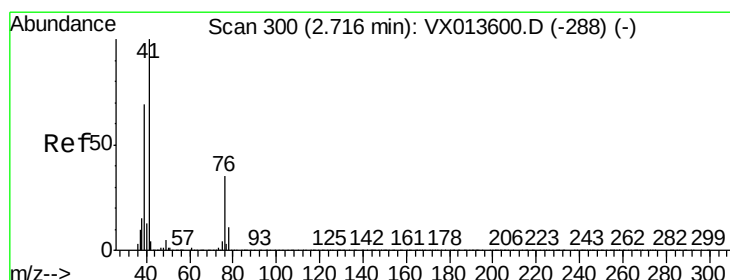
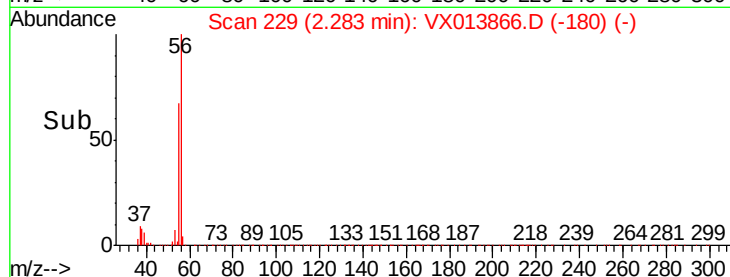
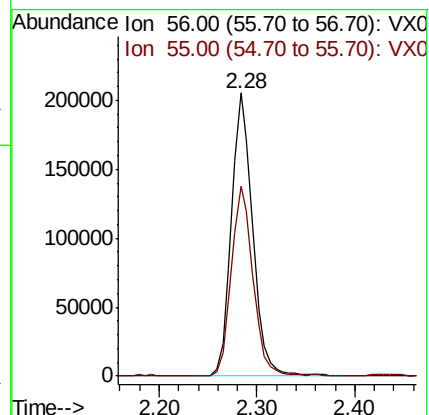
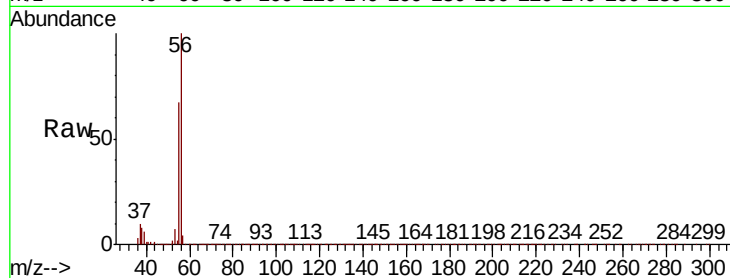
RE131D2-20191204MS

Tot Ion: 56 Resp: 308246

Ion Ratio Lower Upper

56 100

55 67.9 56.2 84.4



#14

Allyl chloride

Concen: 50.037 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

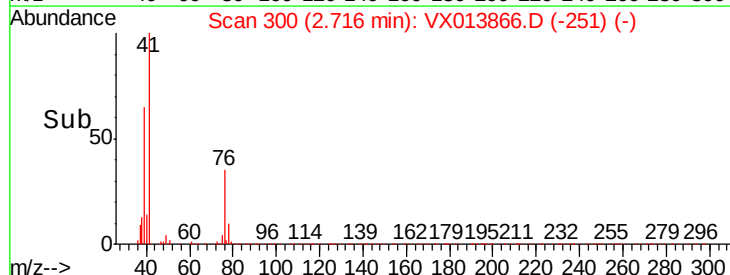
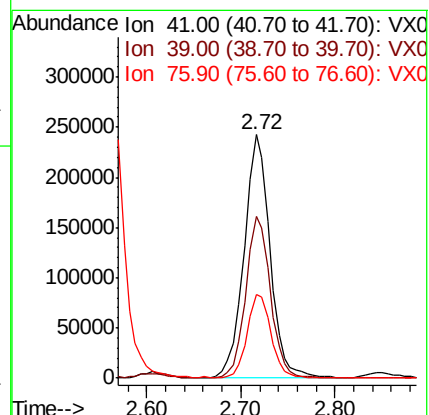
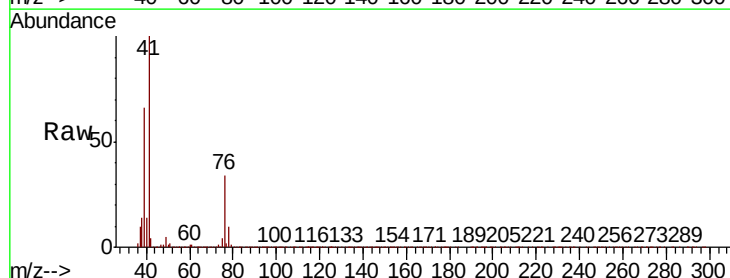
Tgt Ion: 41 Resp: 462311

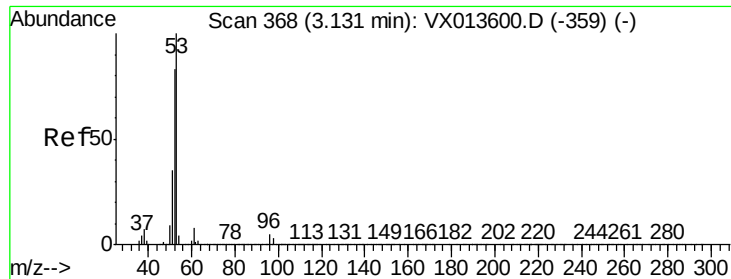
Ion Ratio Lower Upper

41 100

39 62.9 51.7 77.5

76 31.6 25.9 38.9





#15

Acrylonitrile

Concen: 268.296 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

Instrument :

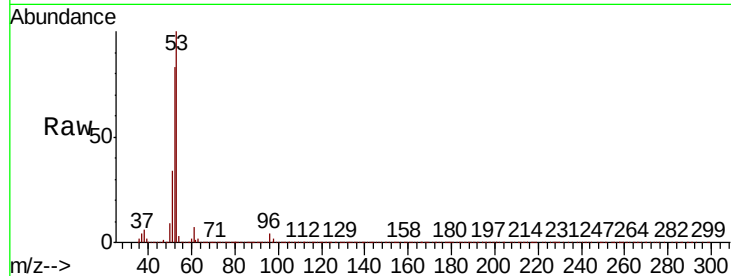
MSVOA\_X

ClientSampleId :

RE131D2-20191204MS

Tot Ion: 53 Resp: 848891

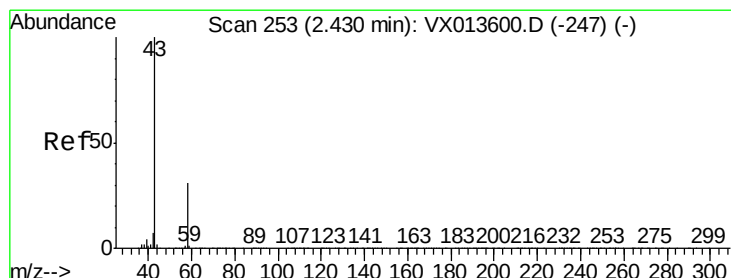
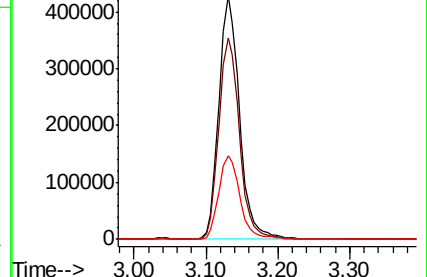
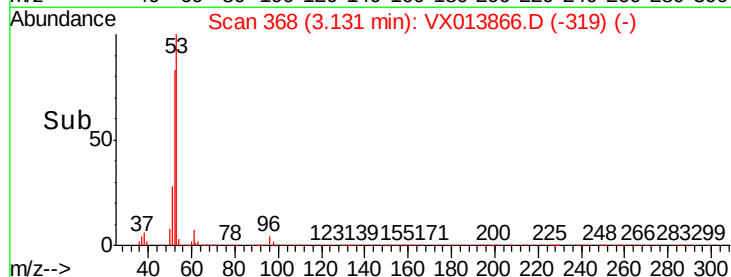
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 83.0  | 66.2  | 99.2  |
| 51  | 35.3  | 29.0  | 43.6  |



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 241.050 ug/l

RT: 2.44 min Scan# 254

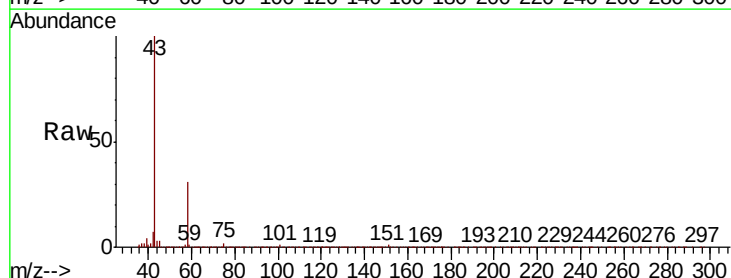
Delta R.T. 0.01 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

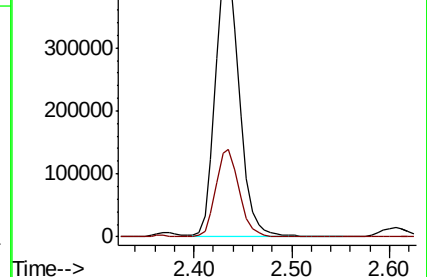
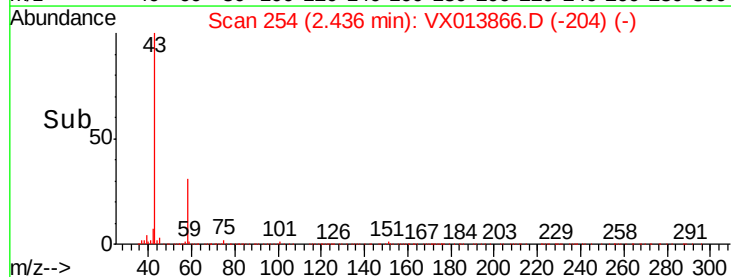
Tgt Ion: 43 Resp: 739046

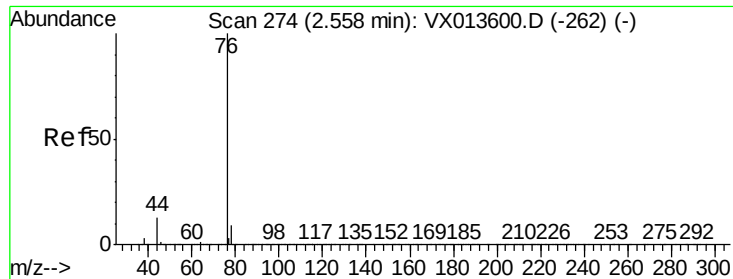
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 30.9  | 24.6  | 36.8  |



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

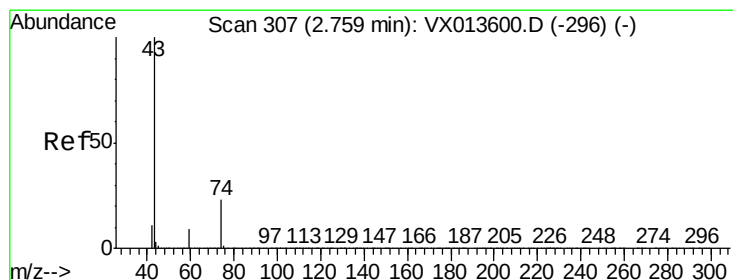
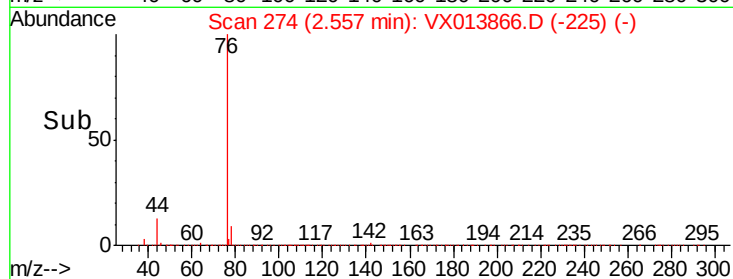
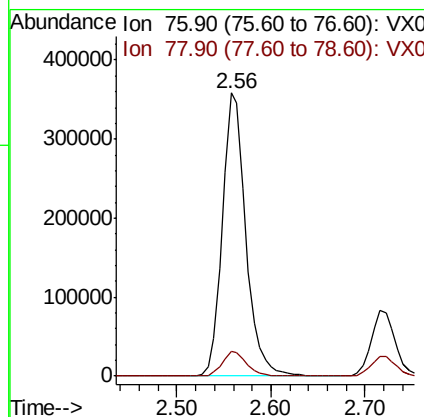
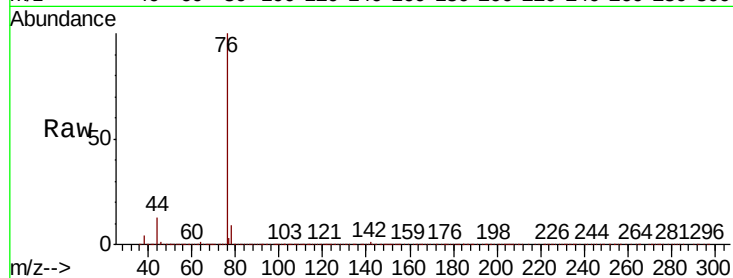




#17  
Carbon Disulfide  
Concen: 42.527 ug/l  
RT: 2.56 min Scan# 274  
Delta R.T. -0.00 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

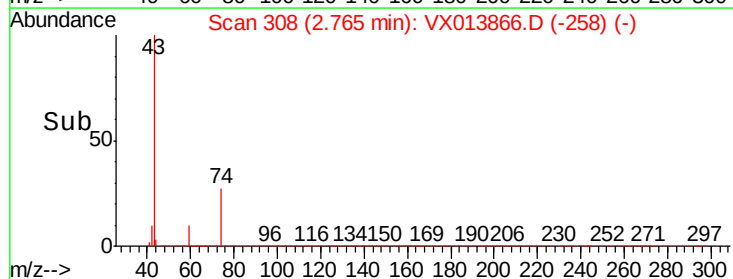
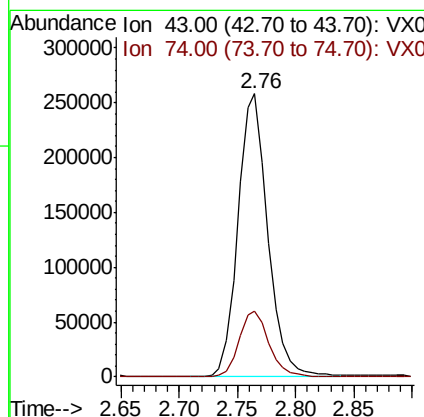
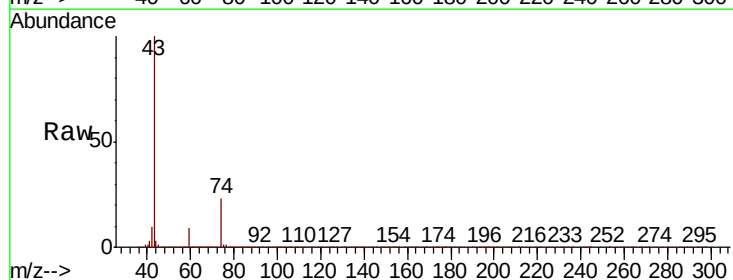
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE131D2-20191204MS

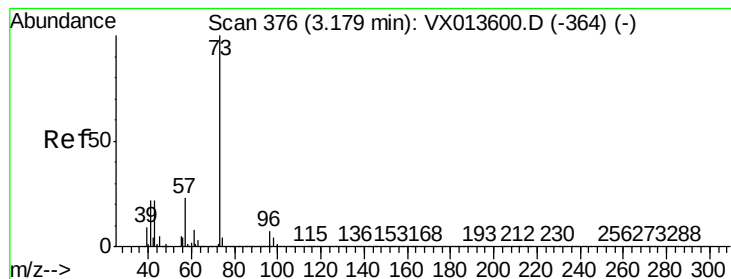
Tot Ion: 76 Resp: 617226  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.2 10.8



#18  
Methyl Acetate  
Concen: 53.518 ug/l  
RT: 2.76 min Scan# 308  
Delta R.T. 0.01 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

Tgt Ion: 43 Resp: 456911  
Ion Ratio Lower Upper  
43 100  
74 23.4 19.5 29.3



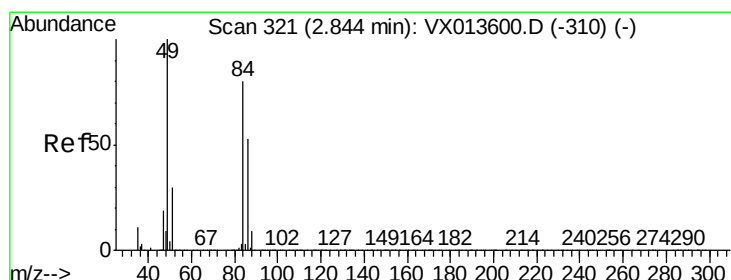
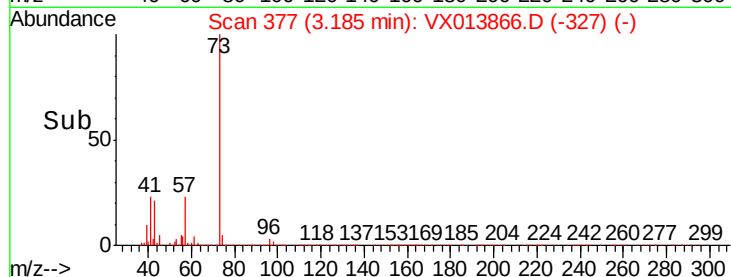
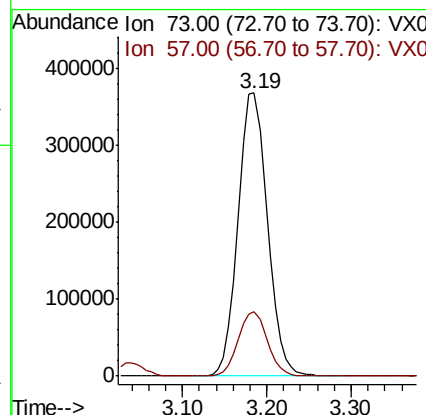
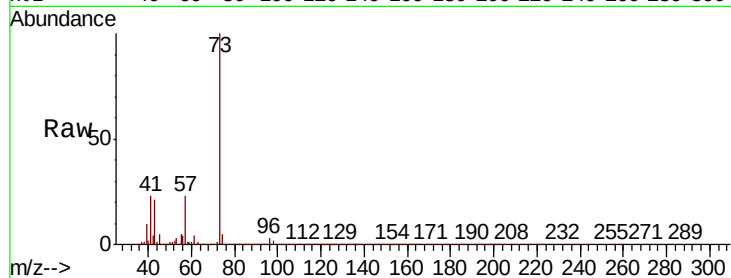


#19

Methyl tert-butyl Ether  
 Concen: 51.381 ug/l  
 RT: 3.19 min Scan# 377  
 Delta R.T. 0.01 min  
 Lab File: VX013866.D  
 Acq: 09 Dec 2019 21:14

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE131D2-20191204MS

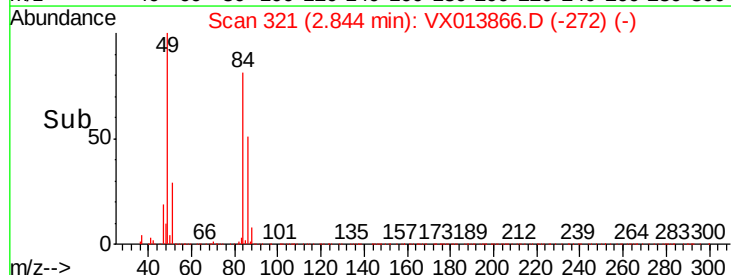
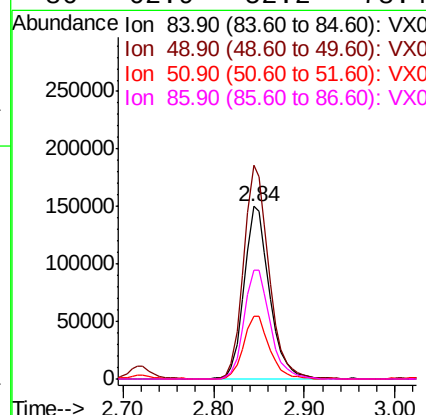
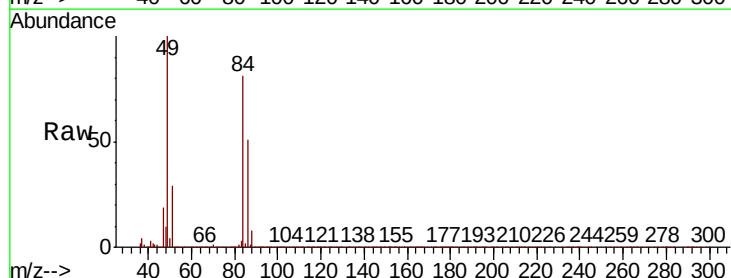
Tot Ion: 73 Resp: 866604  
 Ion Ratio Lower Upper  
 73 100  
 57 22.5 18.3 27.5

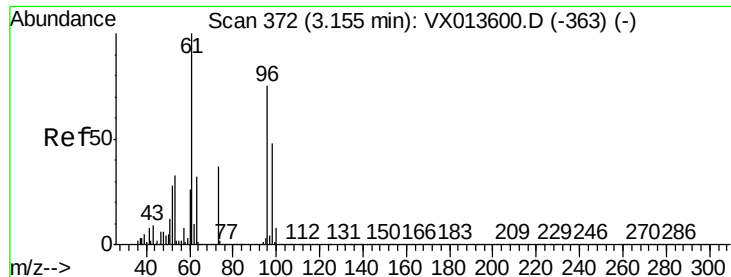


#20

Methylene Chloride  
 Concen: 49.470 ug/l  
 RT: 2.84 min Scan# 321  
 Delta R.T. -0.00 min  
 Lab File: VX013866.D  
 Acq: 09 Dec 2019 21:14

Tgt Ion: 84 Resp: 291388  
 Ion Ratio Lower Upper  
 84 100  
 49 123.6 99.7 149.5  
 51 36.2 29.9 44.9  
 86 62.9 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 48.263 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

RE131D2-20191204MS

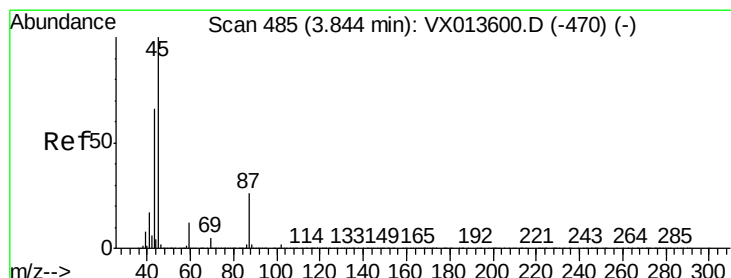
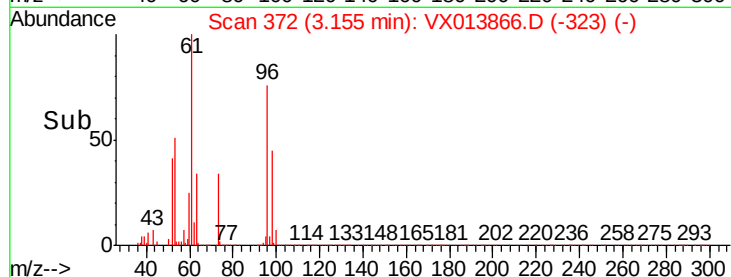
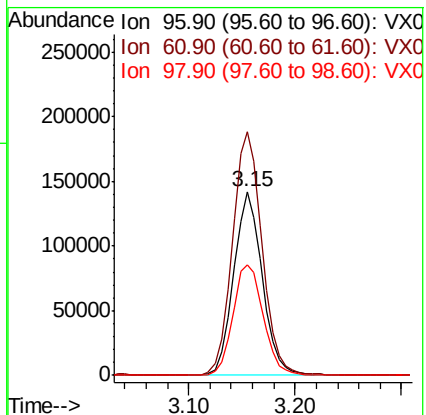
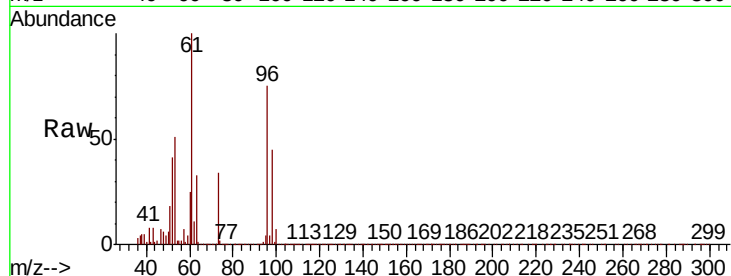
Tot Ion: 96 Resp: 267685

Ion Ratio Lower Upper

96 100

61 132.4 107.2 160.8

98 60.2 51.4 77.0



#22

Diisopropyl ether

Concen: 52.908 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

Tgt Ion: 45 Resp: 941280

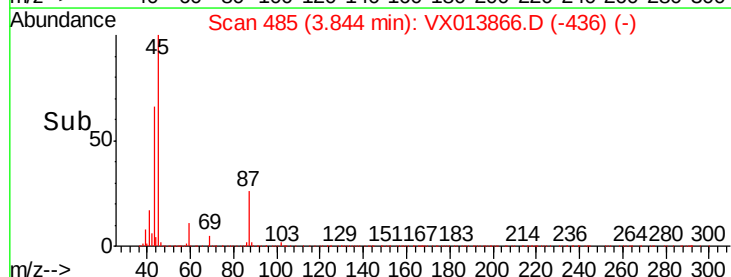
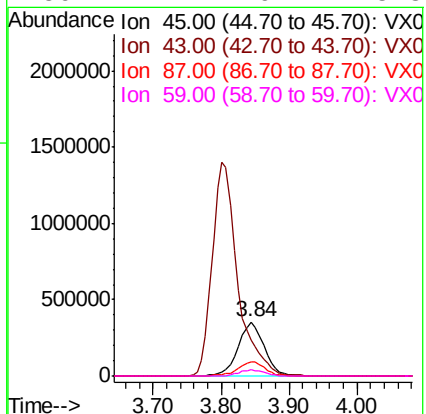
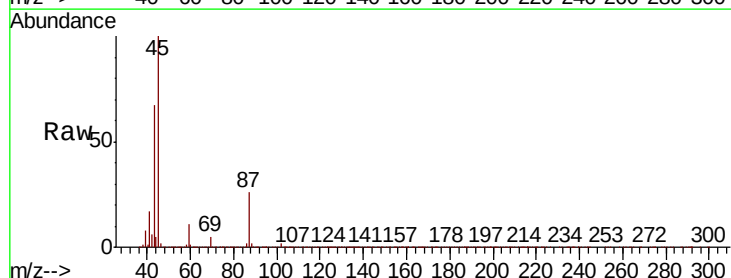
Ion Ratio Lower Upper

45 100

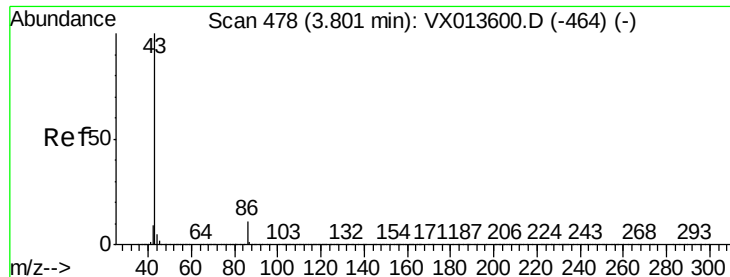
43 66.1 52.6 79.0

87 26.2 21.1 31.7

59 11.4 9.2 13.8







#23

Vinyl Acetate

Concen: 245.704 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

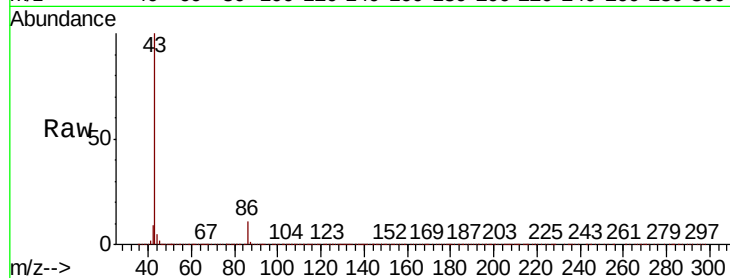
RE131D2-20191204MS

Tot Ion: 43 Resp: 3636448

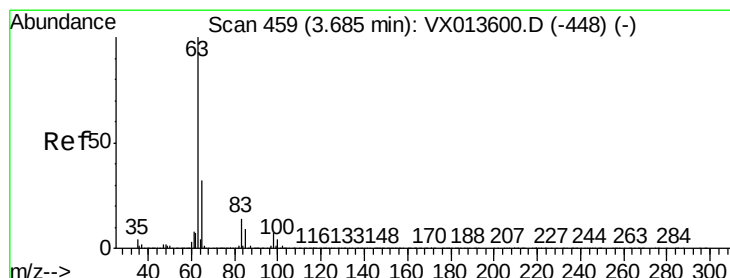
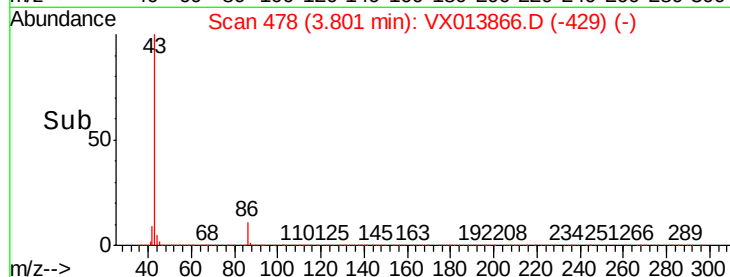
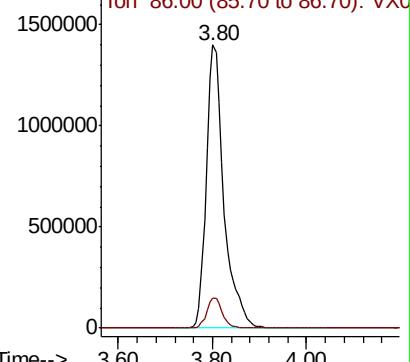
Ion Ratio Lower Upper

43 100

86 10.8 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VX0



#24

1,1-Dichloroethane

Concen: 51.843 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

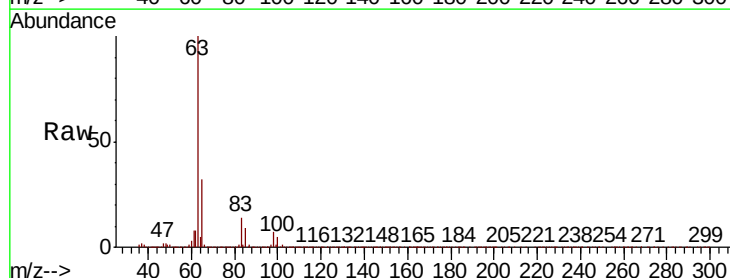
Tgt Ion: 63 Resp: 504206

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

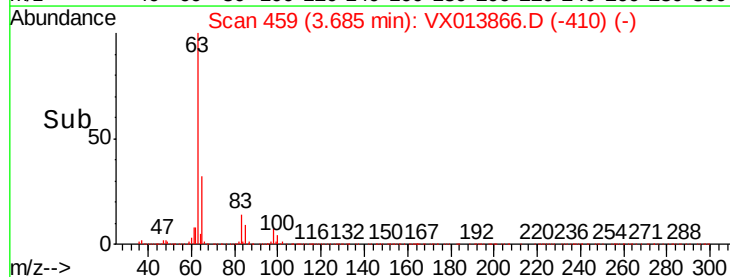
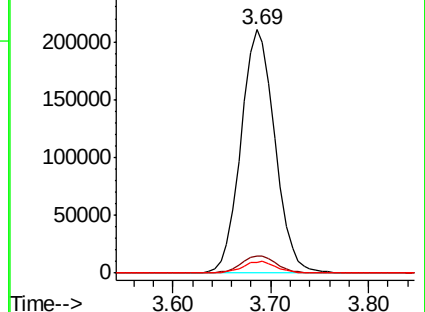
100 4.5 2.1 6.3

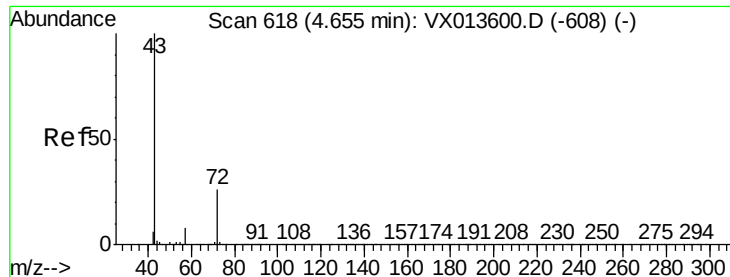


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

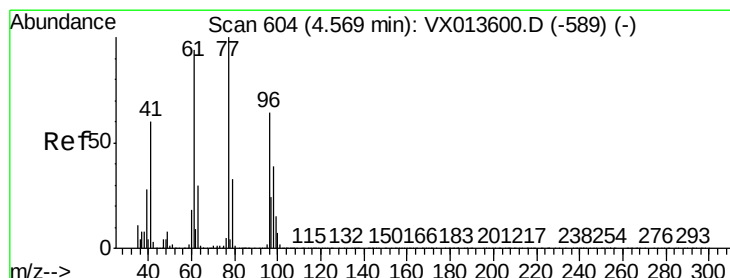
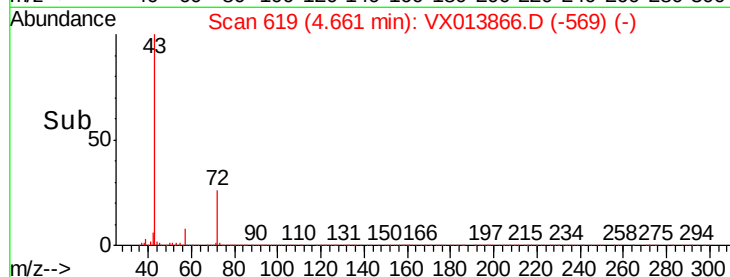
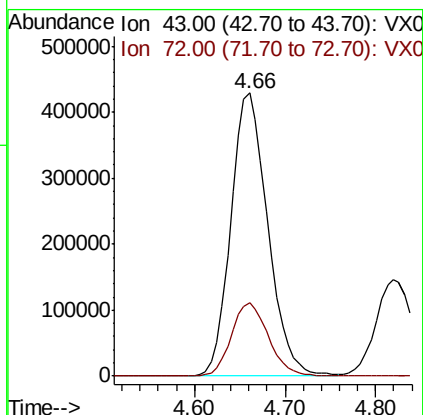
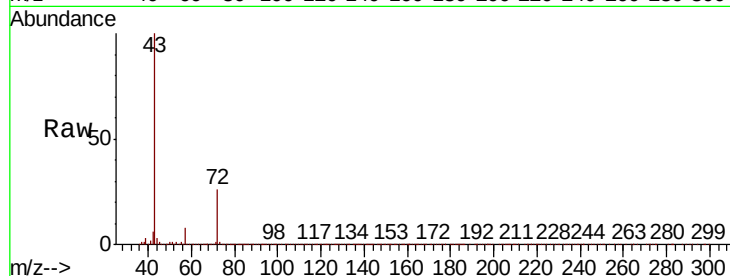




#25  
2-Butanone  
Concen: 265.610 ug/l  
RT: 4.66 min Scan# 619  
Delta R.T. 0.01 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

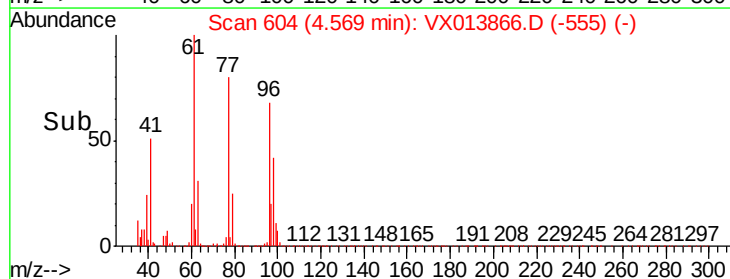
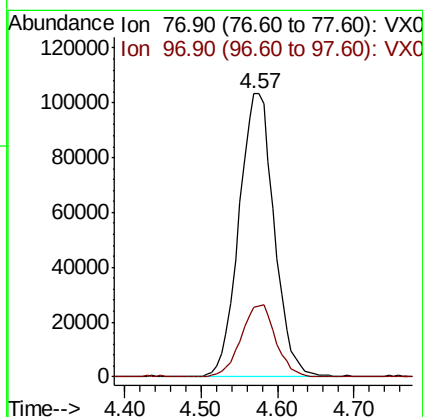
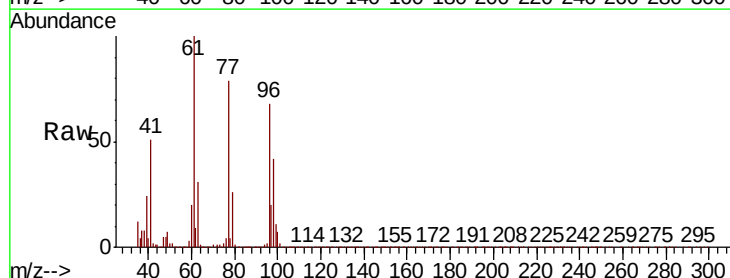
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE131D2-20191204MS

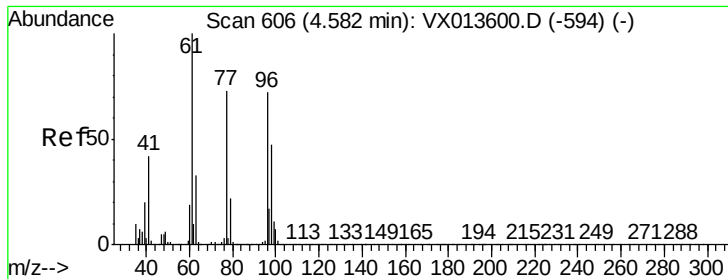
Tot Ion: 43 Resp: 1210269  
Ion Ratio Lower Upper  
43 100  
72 25.9 20.6 31.0



#26  
2,2-Dichloropropane  
Concen: 40.974 ug/l  
RT: 4.57 min Scan# 604  
Delta R.T. -0.00 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

Tgt Ion: 77 Resp: 329706  
Ion Ratio Lower Upper  
77 100  
97 25.0 12.0 36.1



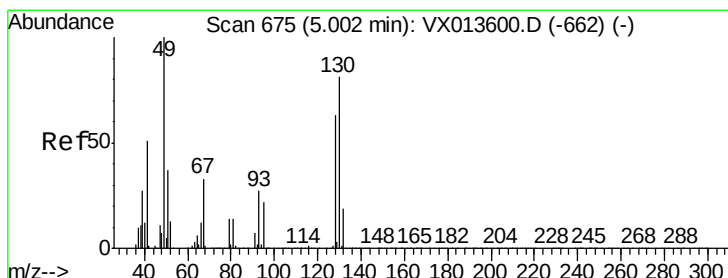
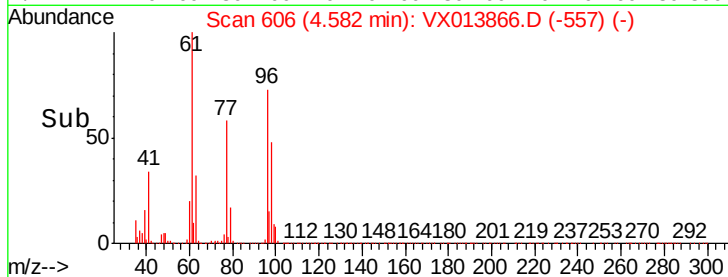
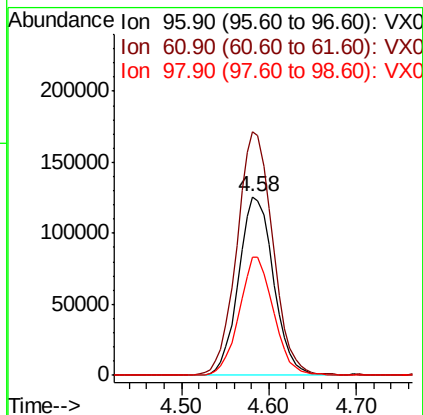
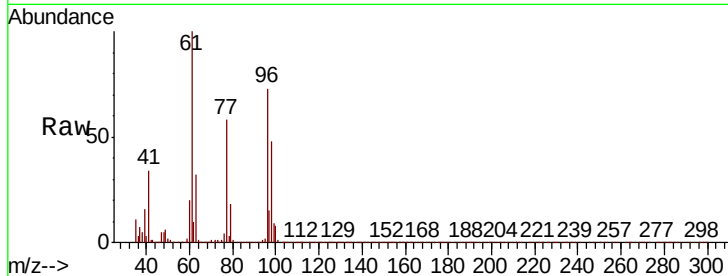


#27

cis-1,2-Dichloroethene  
Concen: 54.450 ug/l  
RT: 4.58 min Scan# 606  
Delta R.T. -0.00 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE131D2-20191204MS

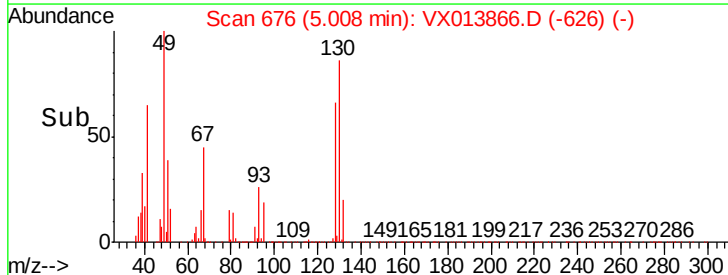
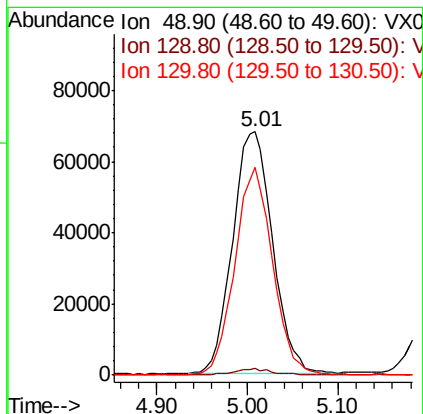
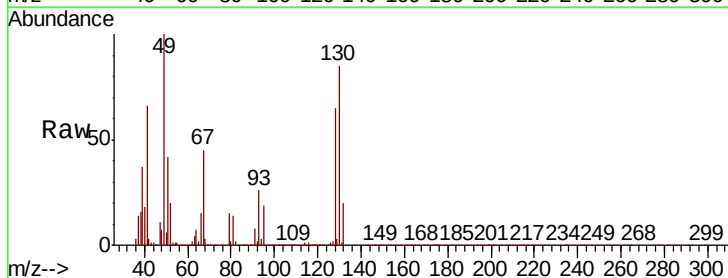
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 141.0 | 0.0   | 286.4 |
| 98      | 65.4  | 0.0   | 127.4 |

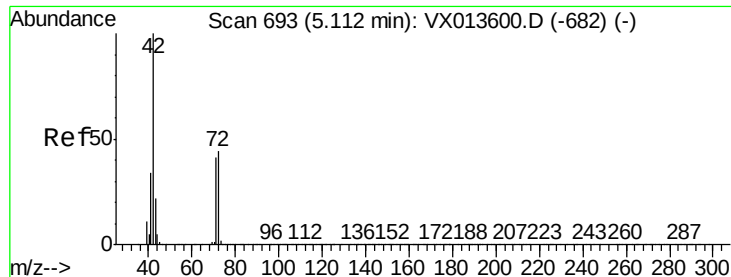


#28

Bromochloromethane  
Concen: 54.202 ug/l  
RT: 5.01 min Scan# 676  
Delta R.T. 0.01 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.5   | 0.0   | 5.0   |
| 130     | 80.3  | 65.4  | 98.0  |





#29

Tetrahydrofuran

Concen: 277.555 ug/l

RT: 5.11 min Scan# 693

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

RE131D2-20191204MS

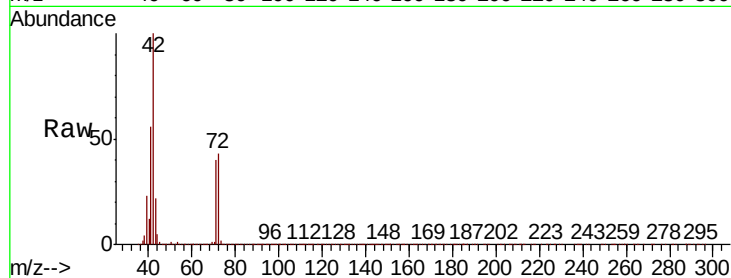
Tot Ion: 42 Resp: 779647

Ion Ratio Lower Upper

42 100

72 44.2 36.3 54.5

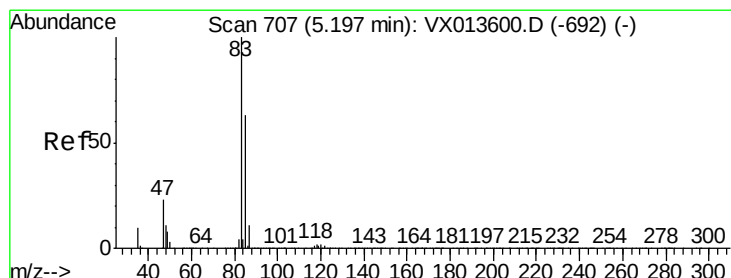
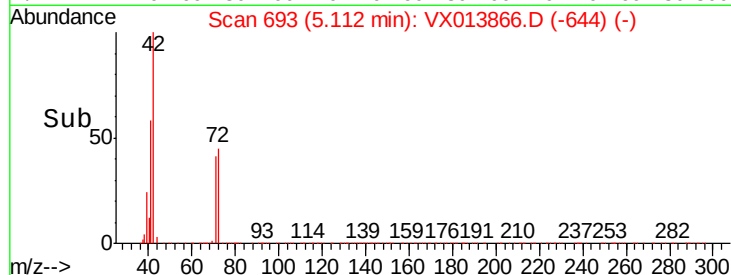
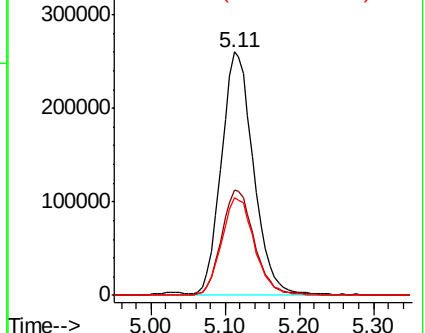
71 41.0 33.2 49.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 50.453 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX013866.D

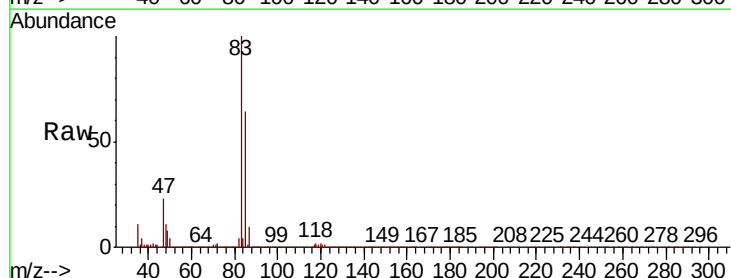
Acq: 09 Dec 2019 21:14

Tgt Ion: 83 Resp: 497635

Ion Ratio Lower Upper

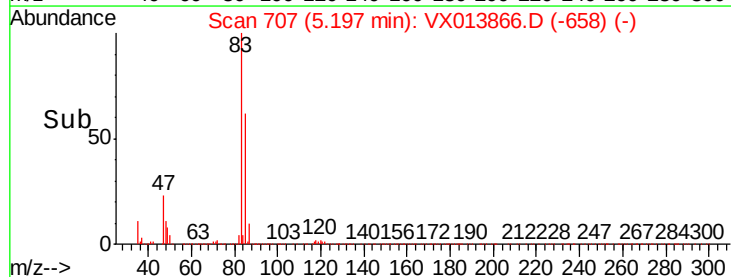
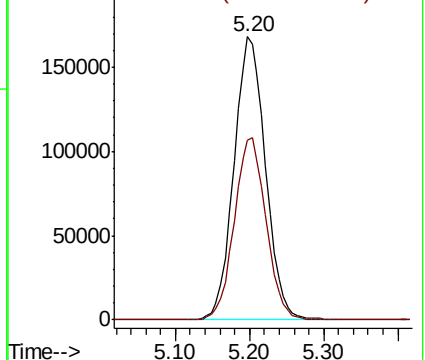
83 100

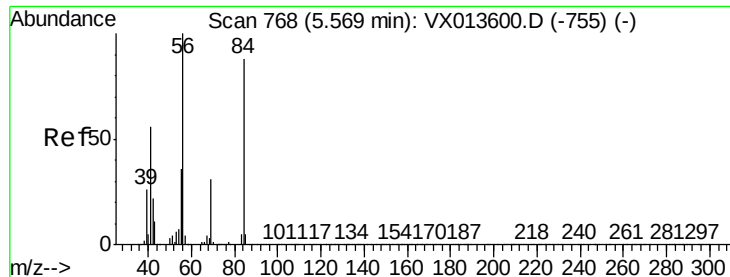
85 63.5 50.2 75.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

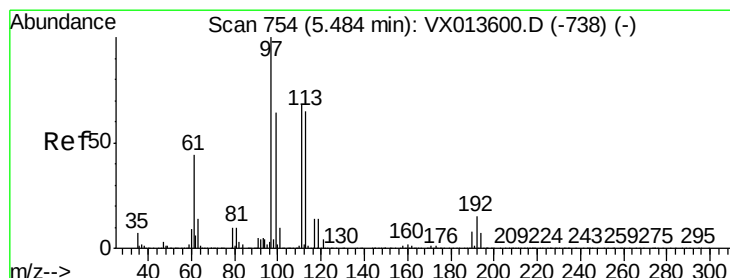
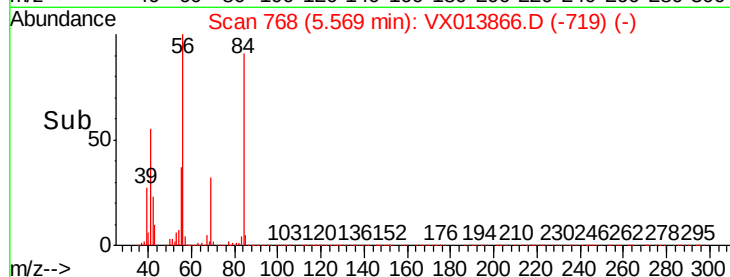
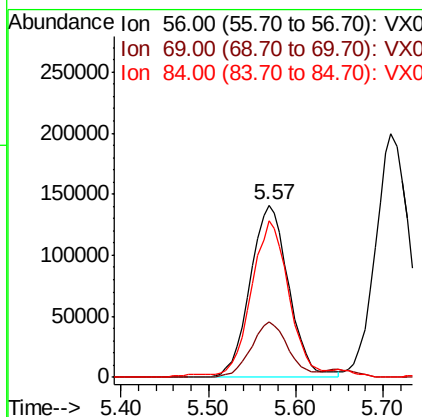
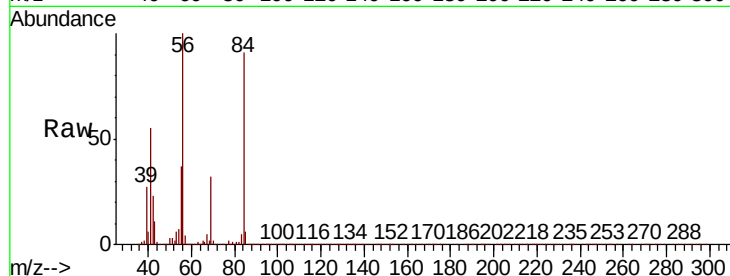




#31  
Cyclohexane  
Concen: 47.159 ug/l  
RT: 5.57 min Scan# 768  
Delta R.T. -0.00 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

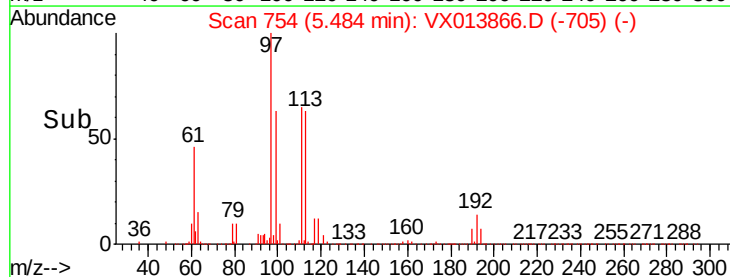
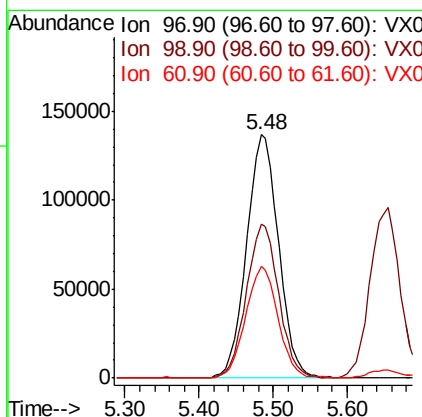
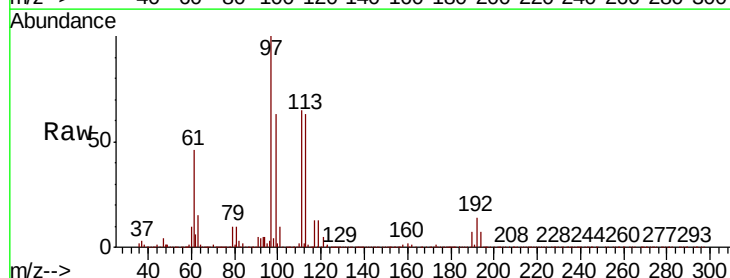
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE131D2-20191204MS

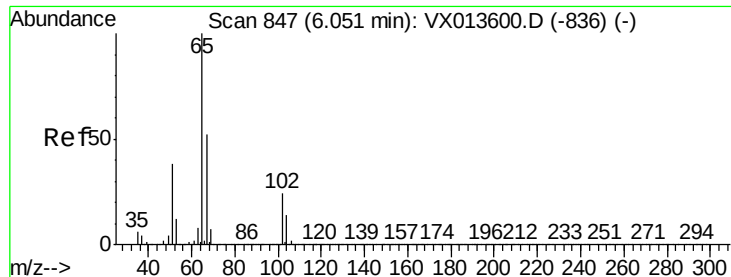
Tot Ion: 56 Resp: 432604  
Ion Ratio Lower Upper  
56 100  
69 31.9 24.6 36.8  
84 89.4 70.0 105.0



#32  
1,1,1-Trichloroethane  
Concen: 50.120 ug/l  
RT: 5.48 min Scan# 754  
Delta R.T. -0.00 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

Tgt Ion: 97 Resp: 413108  
Ion Ratio Lower Upper  
97 100  
99 63.4 51.6 77.4  
61 46.2 36.1 54.1





#33

1,2-Dichloroethane-d4

Concen: 47.151 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

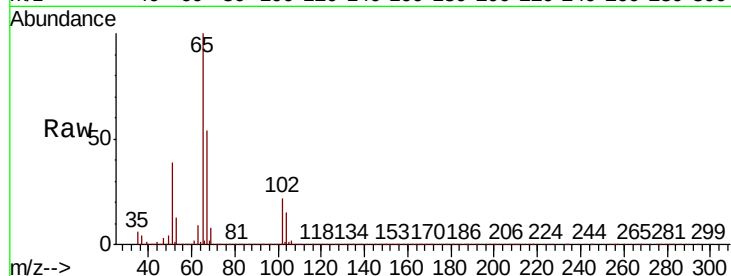
RE131D2-20191204MS

Tot Ion: 65 Resp: 292807

Ion Ratio Lower Upper

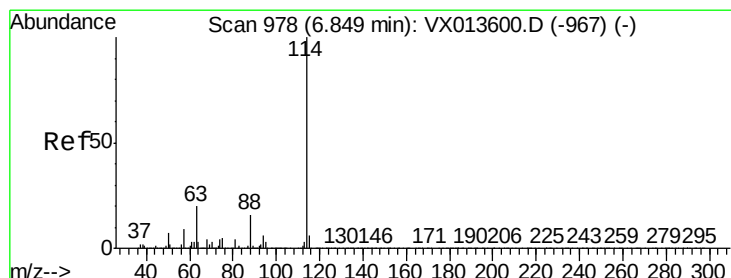
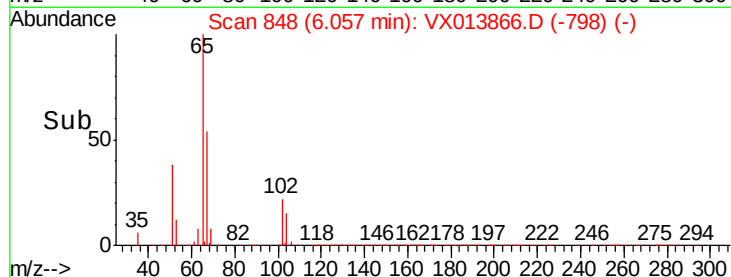
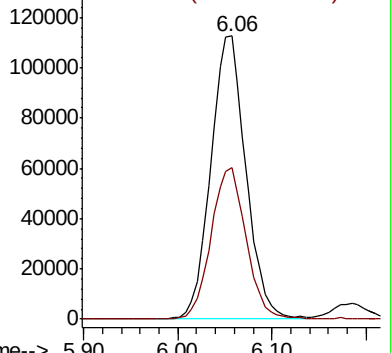
65 100

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



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

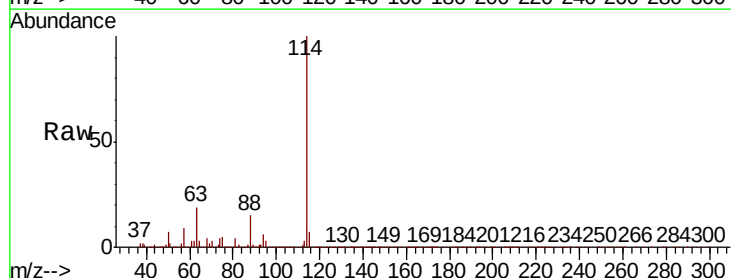
Tgt Ion: 114 Resp: 842921

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

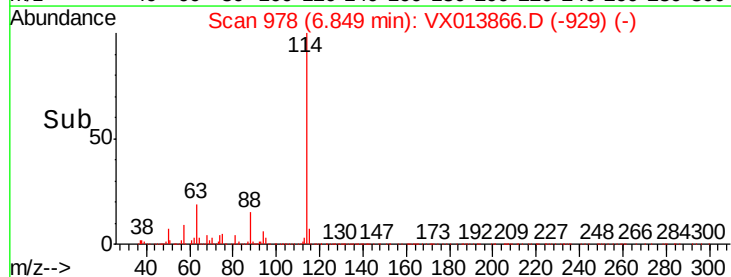
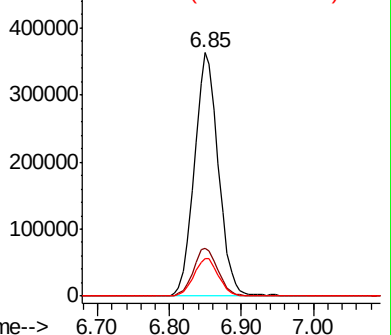
88 15.2 0.0 31.4

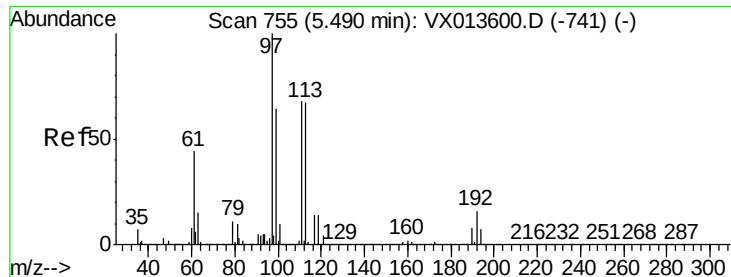


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

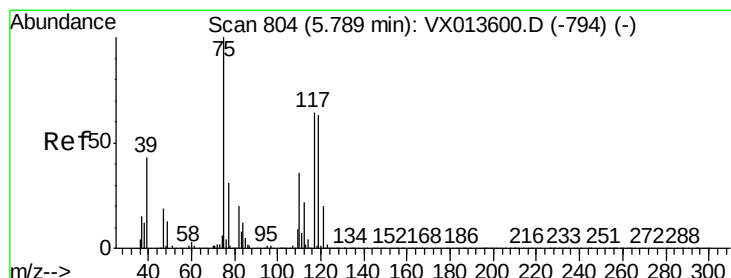
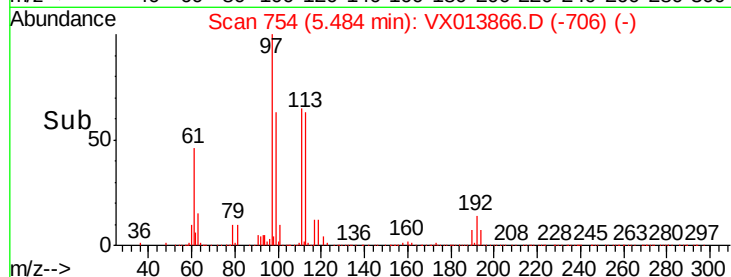
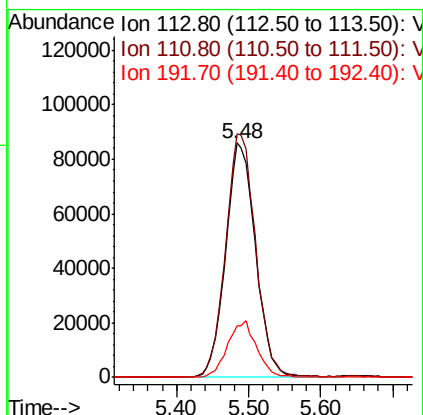
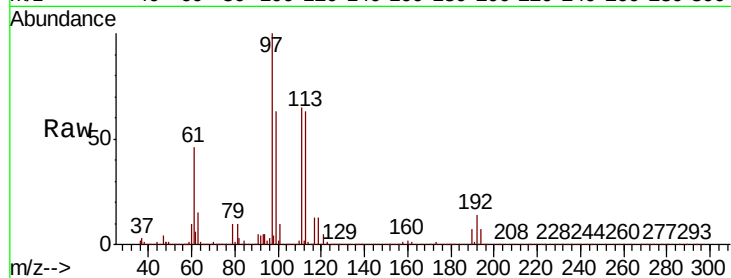




#35  
Dibromofluoromethane  
Concen: 47.421 ug/l  
RT: 5.48 min Scan# 754  
Delta R.T. -0.01 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

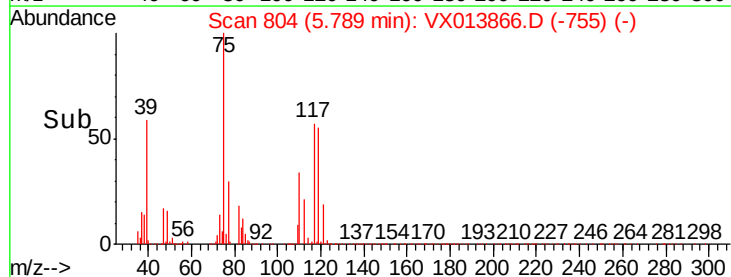
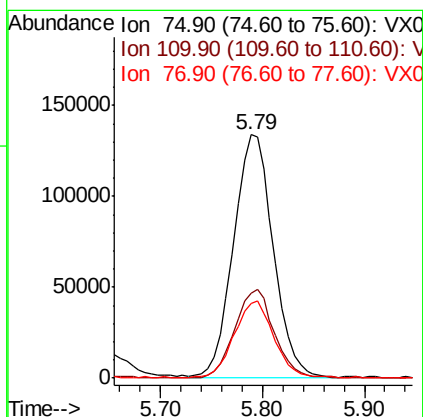
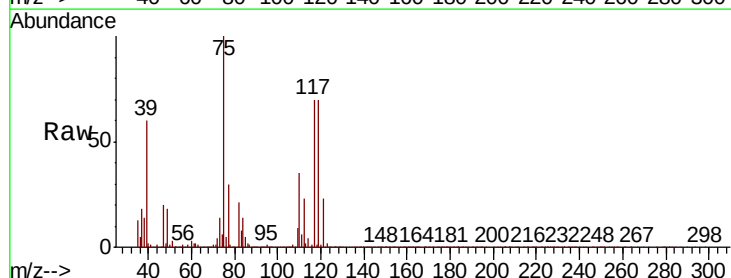
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE131D2-20191204MS

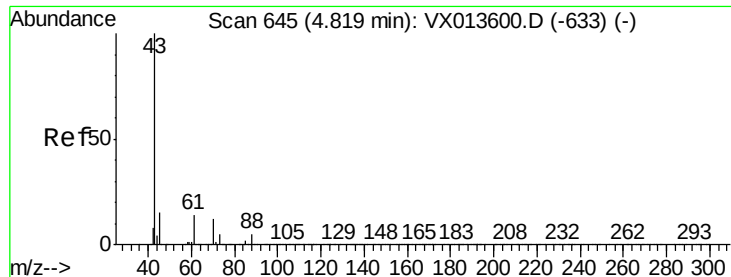
Tot Ion:113 Resp: 247112  
Ion Ratio Lower Upper  
113 100  
111 104.5 83.6 125.4  
192 23.7 19.2 28.8



#36  
1,1-Dichloropropene  
Concen: 46.978 ug/l  
RT: 5.79 min Scan# 804  
Delta R.T. -0.00 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

Tgt Ion: 75 Resp: 359459  
Ion Ratio Lower Upper  
75 100  
110 36.3 18.1 54.1  
77 31.5 24.5 36.7

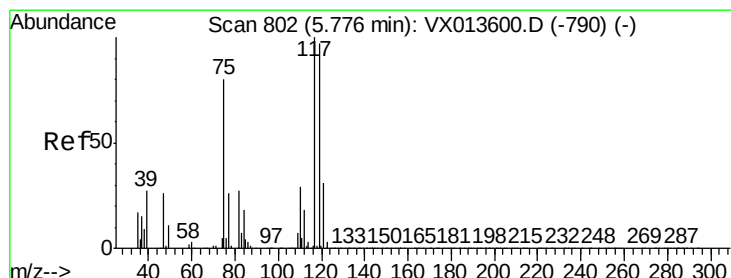
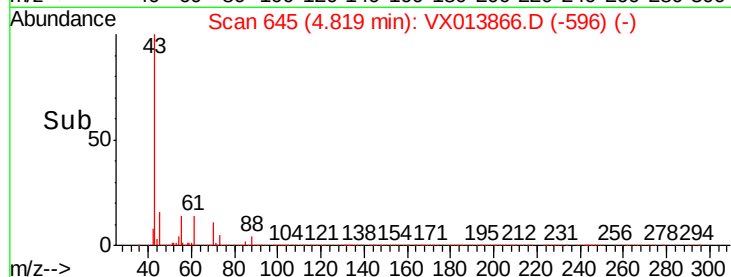
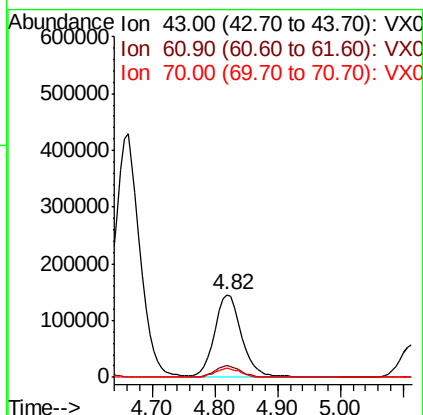
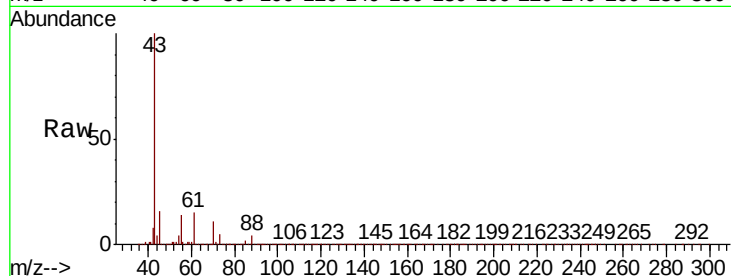




#37  
Ethyl Acetate  
Concen: 50.190 ug/l  
RT: 4.82 min Scan# 645  
Delta R.T. -0.00 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

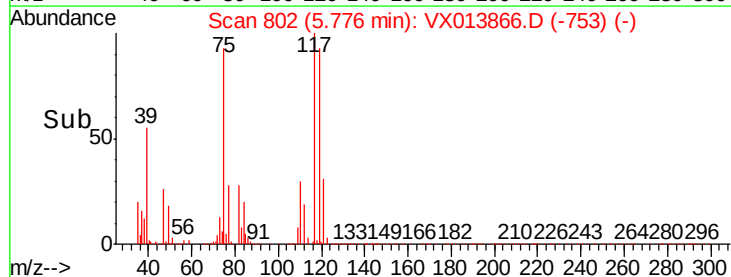
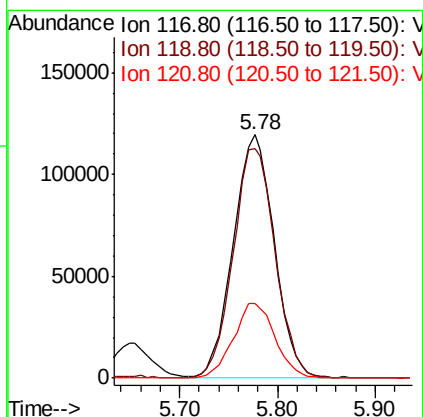
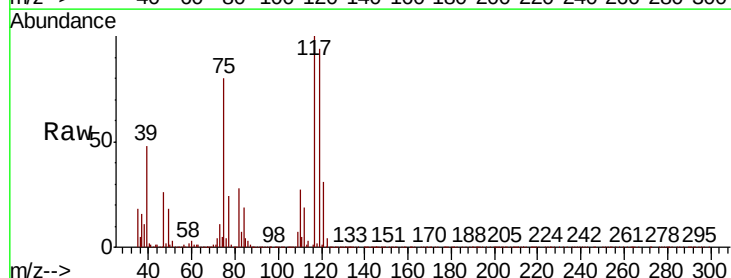
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE131D2-20191204MS

Tot Ion: 43 Resp: 430827  
Ion Ratio Lower Upper  
43 100  
61 13.5 11.0 16.4  
70 10.5 8.6 12.8

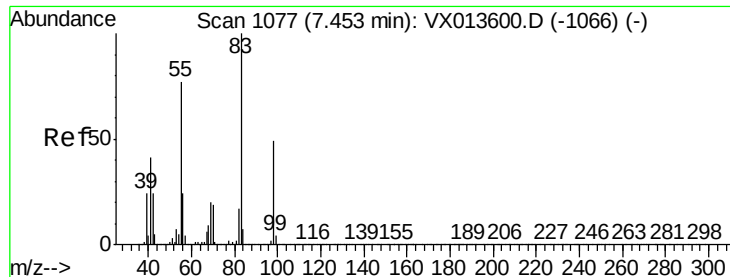


#38  
Carbon Tetrachloride  
Concen: 48.980 ug/l  
RT: 5.78 min Scan# 802  
Delta R.T. -0.00 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

Tgt Ion: 117 Resp: 345576  
Ion Ratio Lower Upper  
117 100  
119 94.0 77.5 116.3  
121 30.5 25.0 37.6



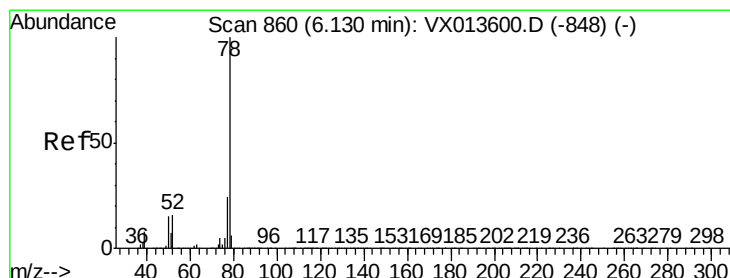
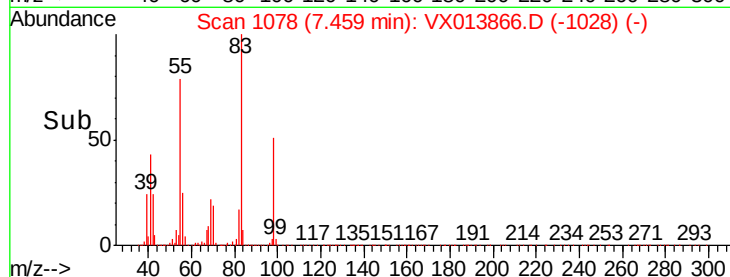
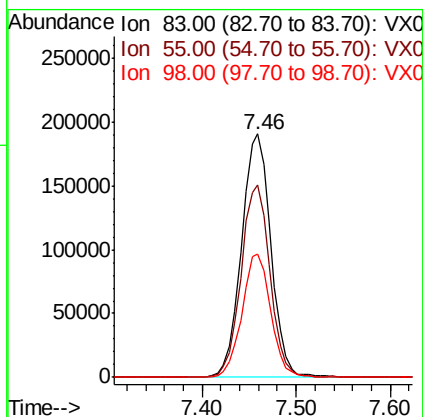
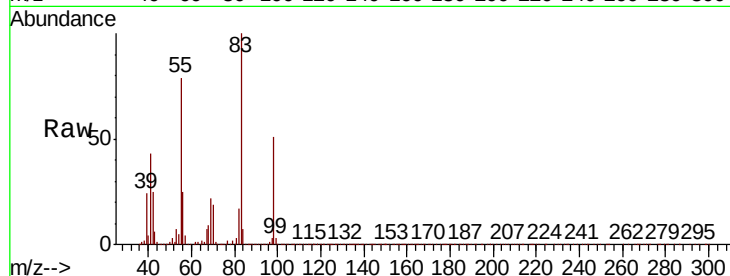




#39  
Methylvlcyclohexane  
Concen: 43.919 ug/l  
RT: 7.46 min Scan# 1078  
Delta R.T. 0.01 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

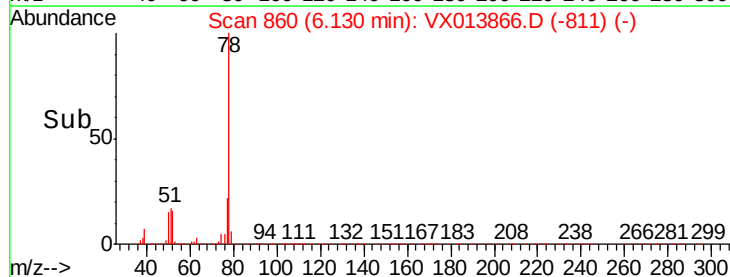
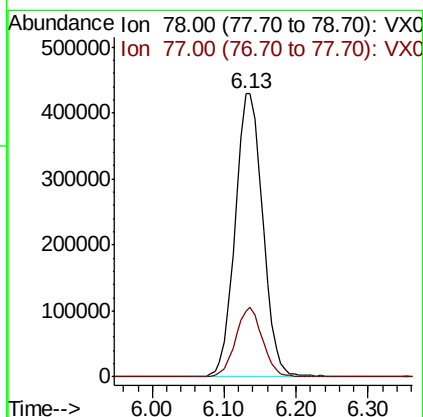
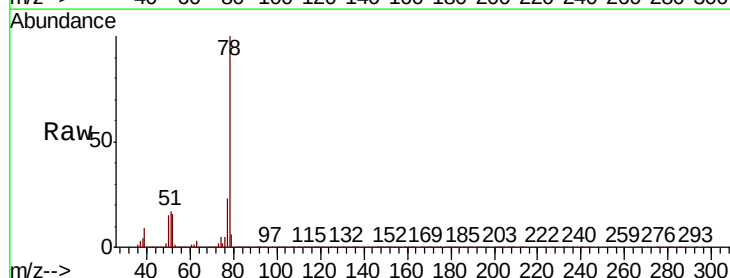
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE131D2-20191204MS

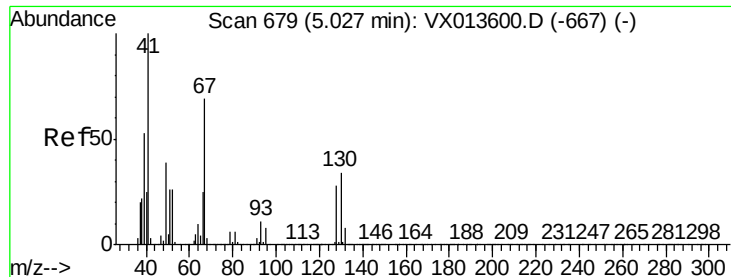
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 78.8  | 61.9  | 92.9  |
| 98      | 50.4  | 39.4  | 59.0  |



#40  
Benzene  
Concen: 48.971 ug/l  
RT: 6.13 min Scan# 860  
Delta R.T. -0.00 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.0  | 19.0  | 28.4  |

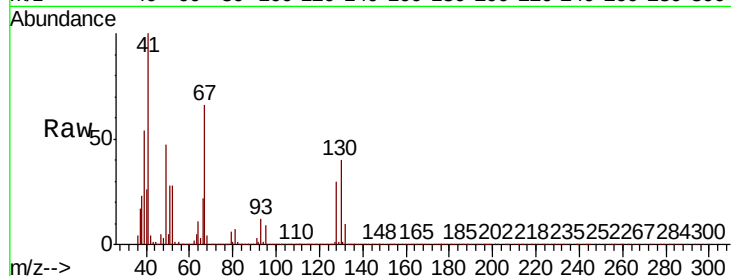




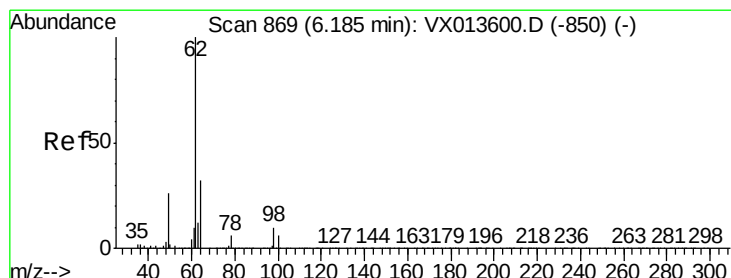
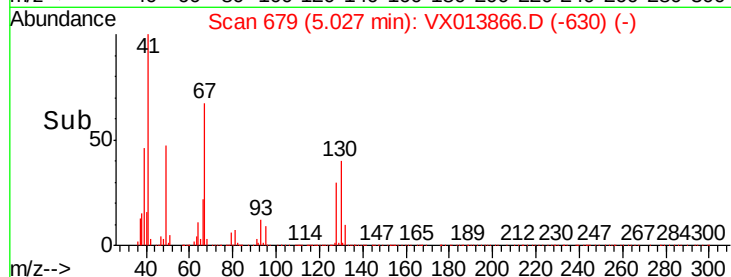
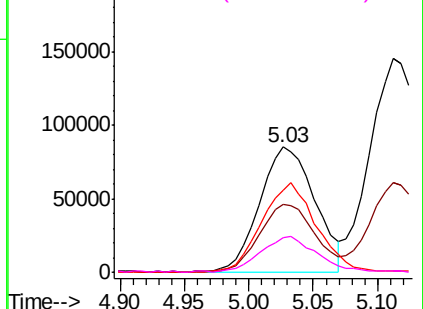
#41  
Methacrylonitrile  
Concen: 53.756 ug/l  
RT: 5.03 min Scan# 679  
Delta R.T. -0.00 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE131D2-20191204MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 253059 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 55.0  | 42.9  | 64.3   |
| 67       | 71.7  | 57.4  | 86.0   |
| 52       | 28.2  | 22.4  | 33.6   |

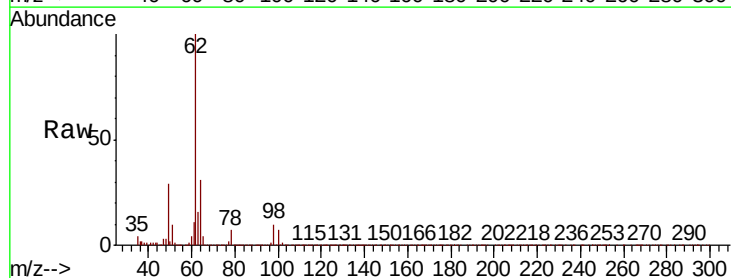


Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0  
Ion 67.00 (66.70 to 67.70): VX0  
Ion 52.00 (51.70 to 52.70): VX0

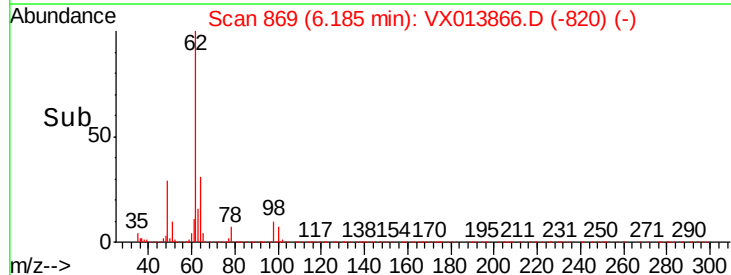
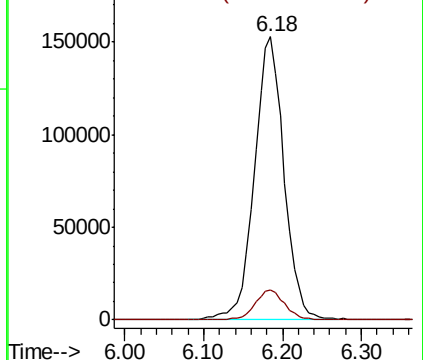


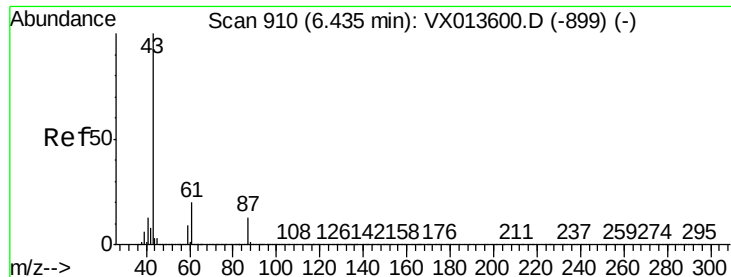
#42  
1,2-Dichloroethane  
Concen: 49.649 ug/l  
RT: 6.18 min Scan# 869  
Delta R.T. -0.00 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 394593 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 10.2  | 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: 48.964 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

RE131D2-20191204MS

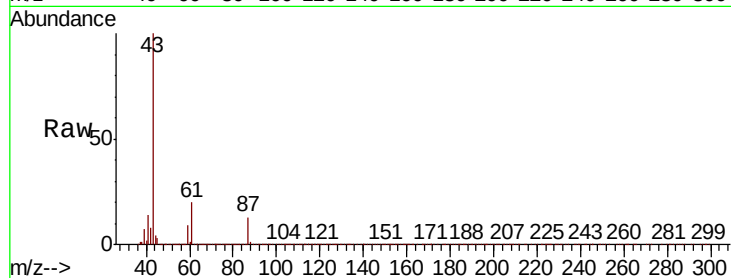
Tot Ion: 43 Resp: 691959

Ion Ratio Lower Upper

43 100

61 20.3 16.3 24.5

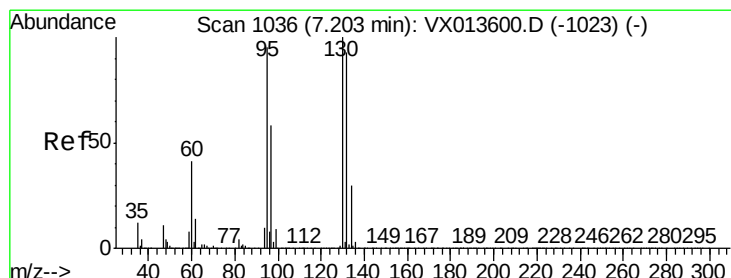
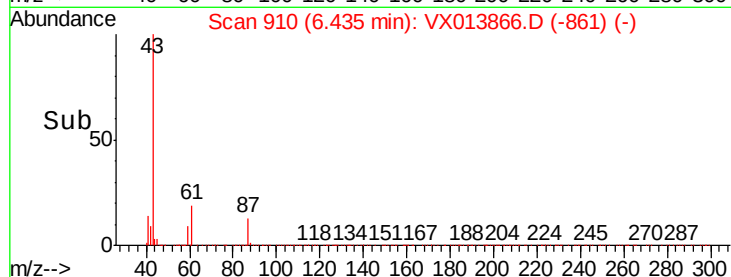
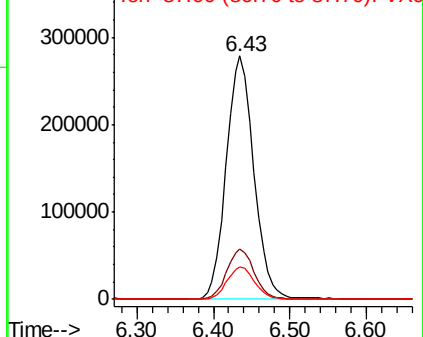
87 13.4 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 162.313 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013866.D

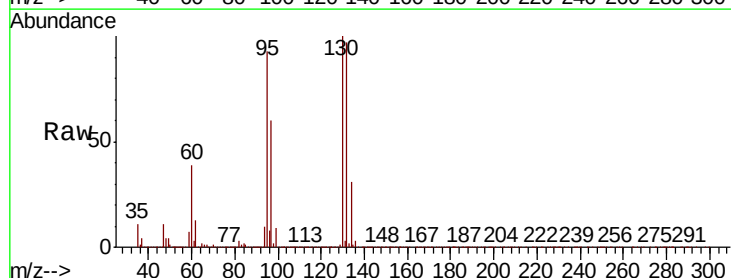
Acq: 09 Dec 2019 21:14

Tgt Ion: 130 Resp: 1038120

Ion Ratio Lower Upper

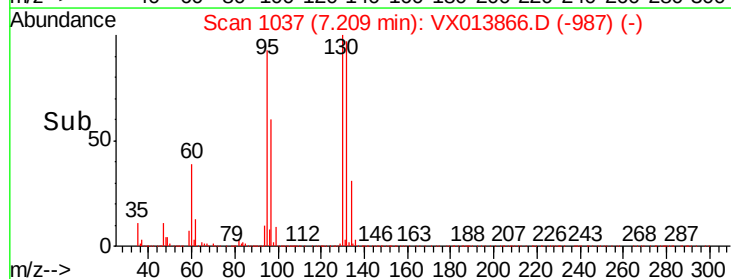
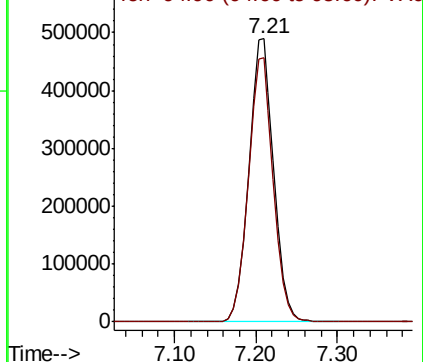
130 100

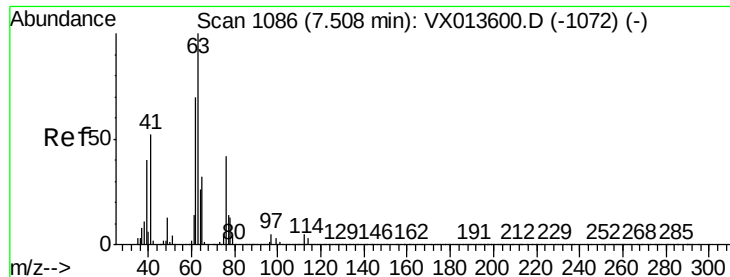
95 93.1 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

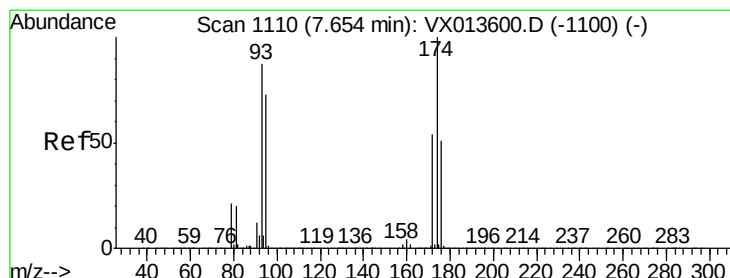
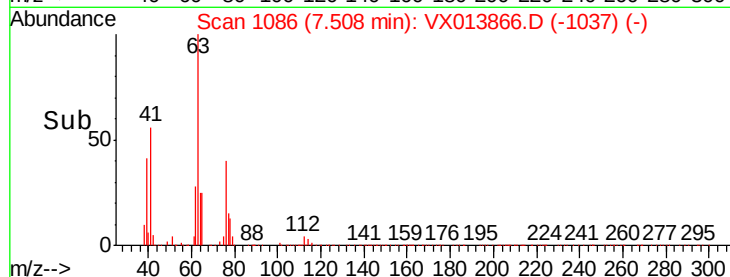
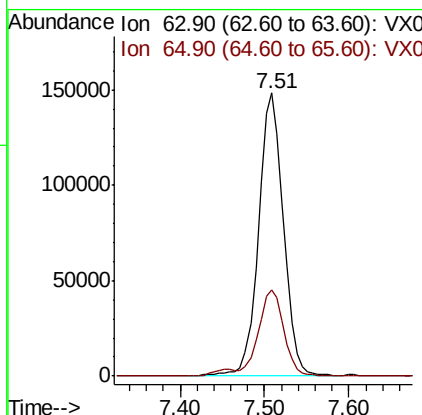
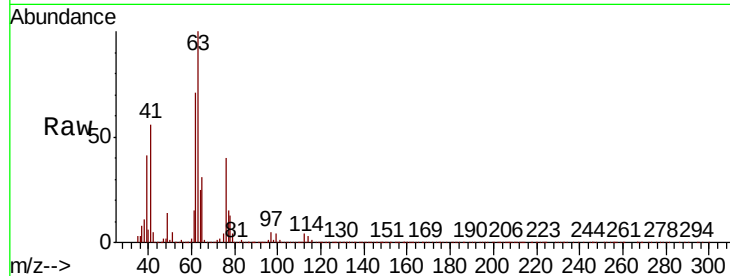




#45  
 1,2-Dichloropropane  
 Concen: 51.427 ug/l  
 RT: 7.51 min Scan# 1086  
 Delta R.T. -0.00 min  
 Lab File: VX013866.D  
 Acq: 09 Dec 2019 21:14

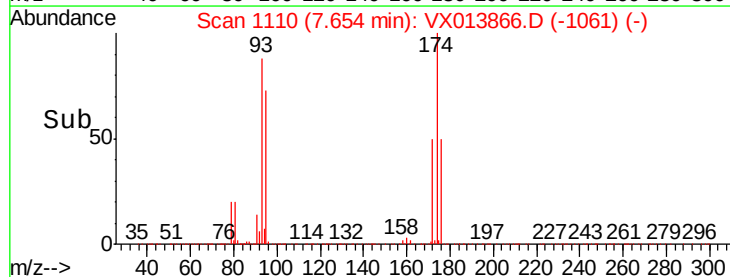
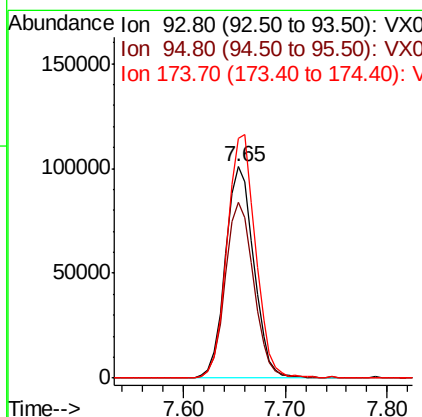
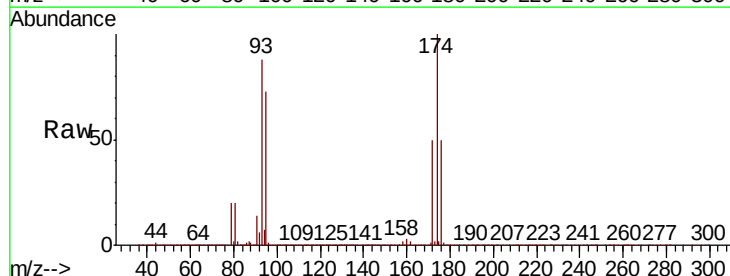
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE131D2-20191204MS

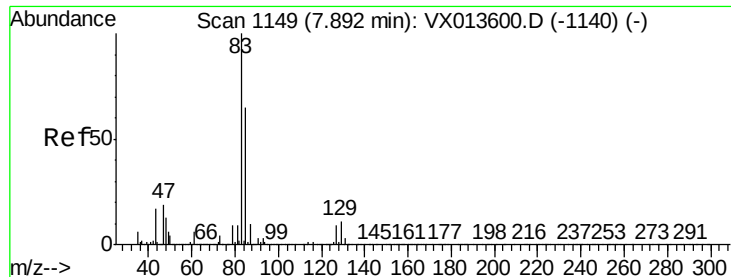
Tot Ion: 63 Resp: 299851  
 Ion Ratio Lower Upper  
 63 100  
 65 30.5 25.5 38.3



#46  
 Dibromomethane  
 Concen: 49.357 ug/l  
 RT: 7.65 min Scan# 1110  
 Delta R.T. -0.00 min  
 Lab File: VX013866.D  
 Acq: 09 Dec 2019 21:14

Tgt Ion: 93 Resp: 195455  
 Ion Ratio Lower Upper  
 93 100  
 95 82.5 66.2 99.2  
 174 114.1 93.4 140.0





#47

Bromodichloromethane

Concen: 51.420 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

RE131D2-20191204MS

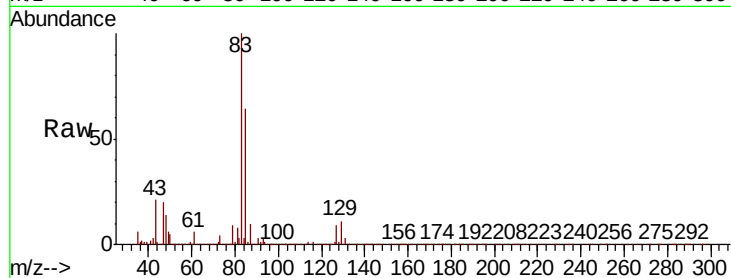
Tot Ion: 83 Resp: 384943

Ion Ratio Lower Upper

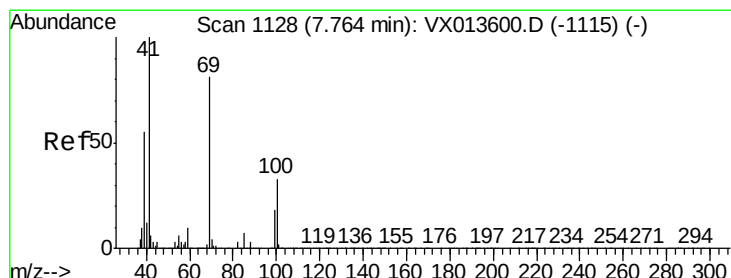
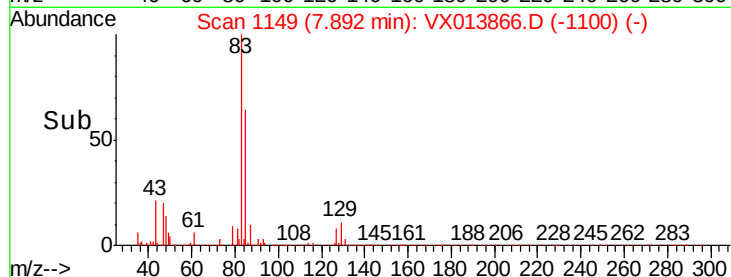
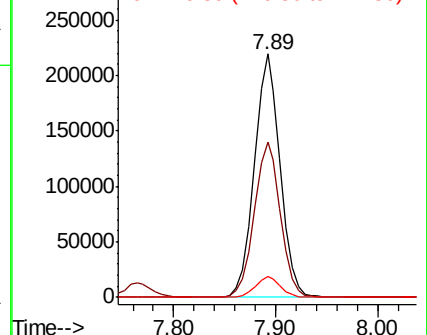
83 100

85 63.6 52.1 78.1

127 8.5 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VX0  
Ion 84.90 (84.60 to 85.60): VX0  
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 52.349 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

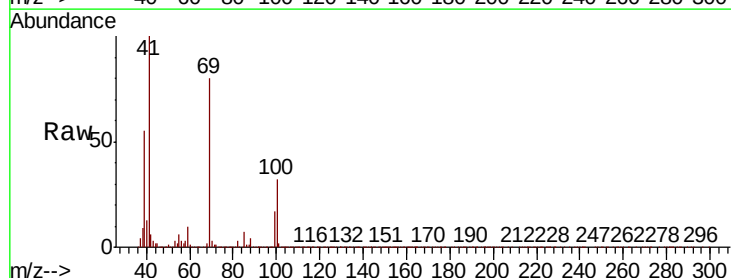
Tgt Ion: 41 Resp: 359448

Ion Ratio Lower Upper

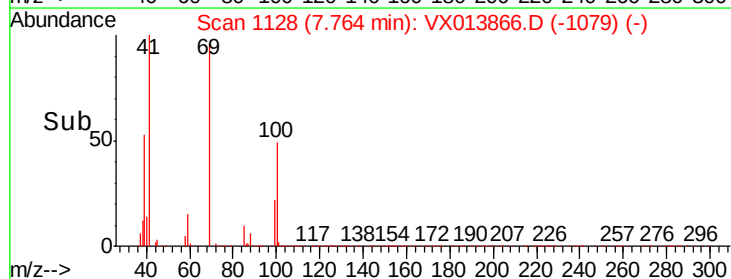
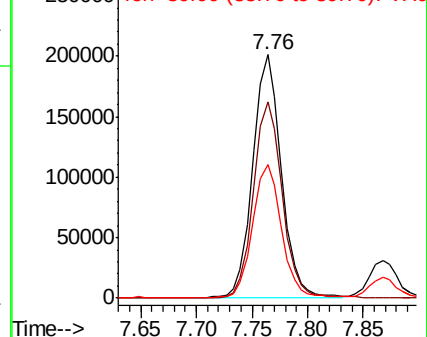
41 100

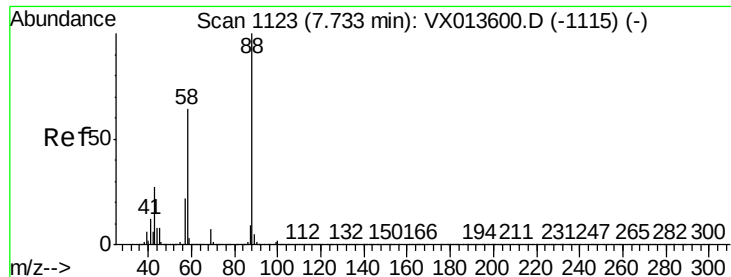
69 80.8 64.7 97.1

39 55.2 43.8 65.6



Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 69.00 (68.70 to 69.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0

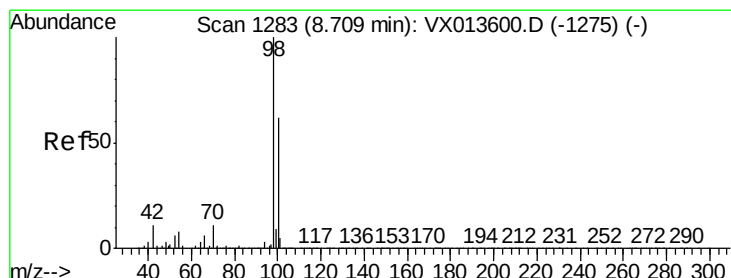
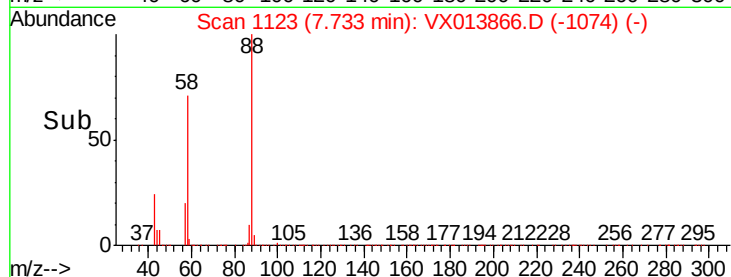
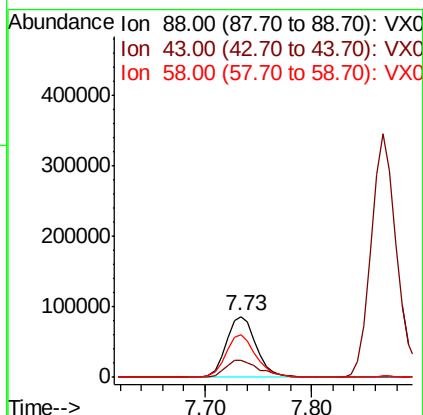
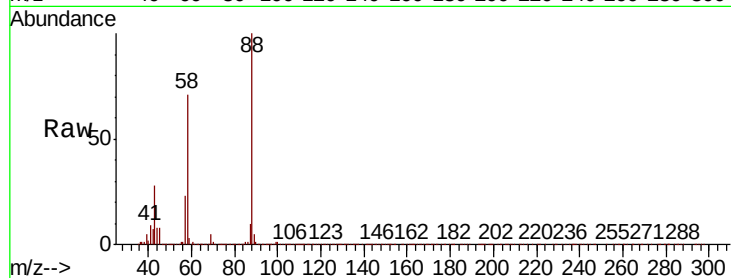




#49  
1,4-Dioxane  
Concen: 1101.362 ug/l  
RT: 7.73 min Scan# 1123  
Delta R.T. -0.00 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

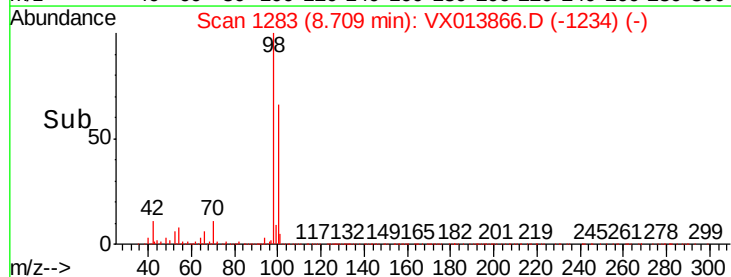
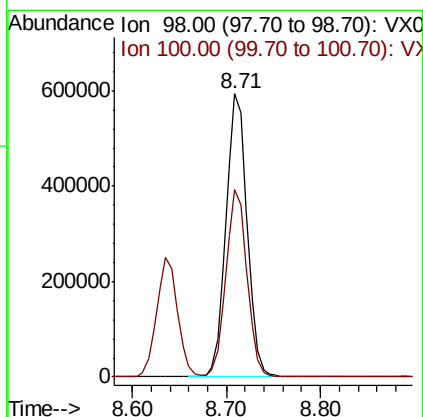
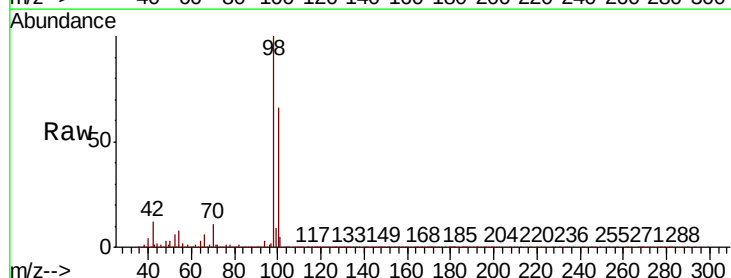
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE131D2-20191204MS

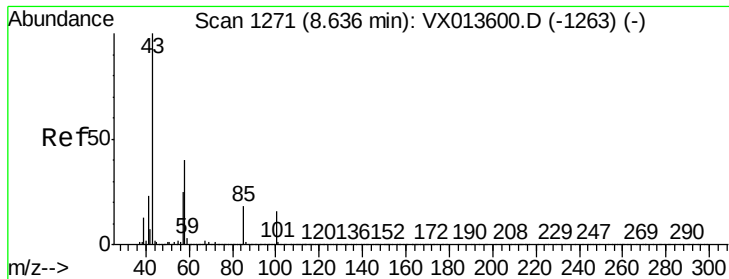
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 34.0  | 25.8  | 38.6  |
| 58      | 71.8  | 54.6  | 82.0  |



#50  
Toluene-d8  
Concen: 45.271 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.2  | 53.1  | 79.7  |

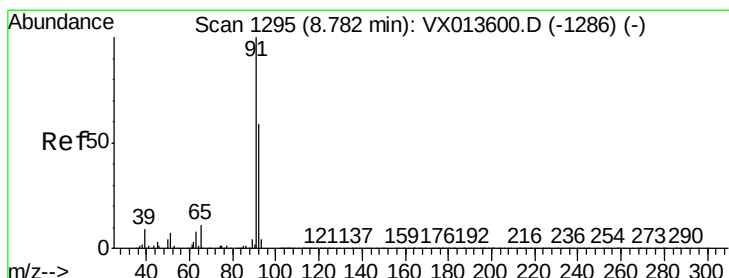
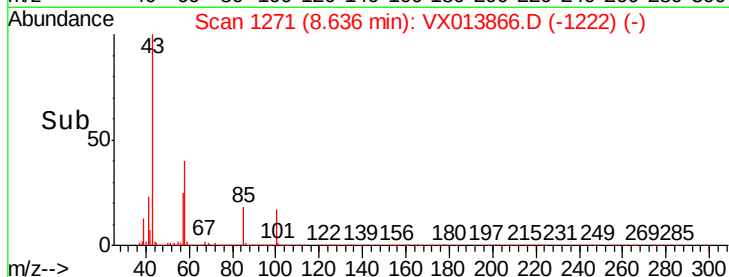
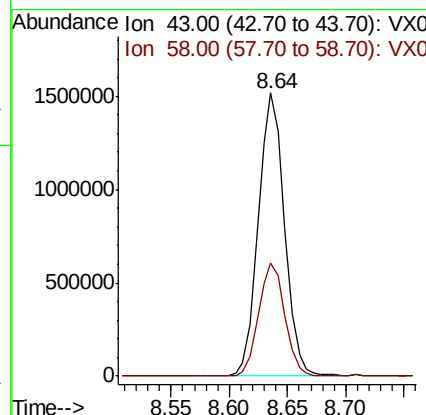
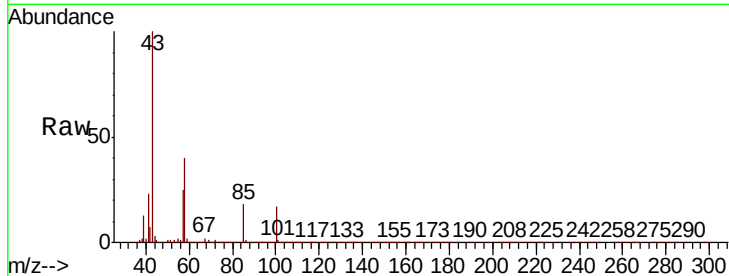




#51  
 4-Methyl-2-Pentanone  
 Concen: 265.912 ug/l  
 RT: 8.64 min Scan# 1271  
 Delta R.T. -0.00 min  
 Lab File: VX013866.D  
 Acq: 09 Dec 2019 21:14

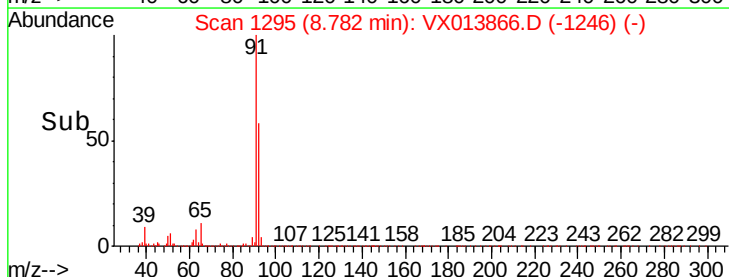
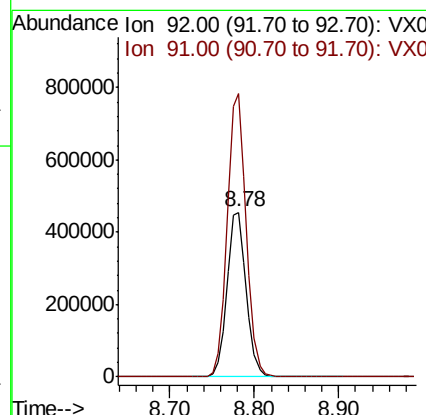
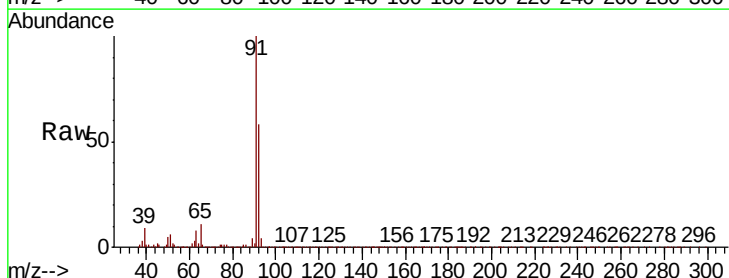
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE131D2-20191204MS

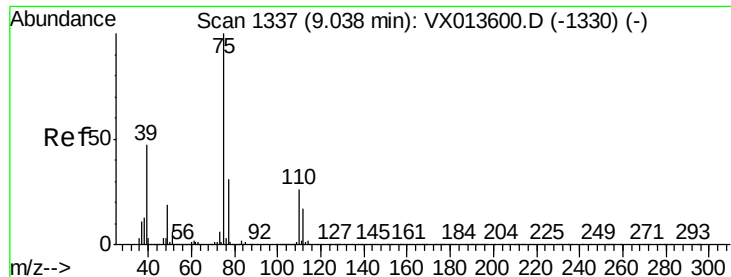
Tot Ion: 43 Resp: 2363771  
 Ion Ratio Lower Upper  
 43 100  
 58 40.1 32.1 48.1



#52  
 Toluene  
 Concen: 49.117 ug/l  
 RT: 8.78 min Scan# 1295  
 Delta R.T. -0.00 min  
 Lab File: VX013866.D  
 Acq: 09 Dec 2019 21:14

Tgt Ion: 92 Resp: 711089  
 Ion Ratio Lower Upper  
 92 100  
 91 170.8 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 47.640 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

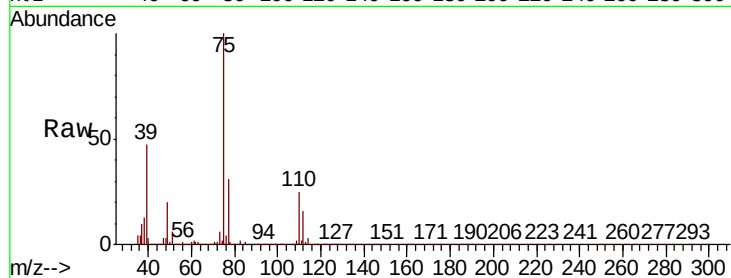
RE131D2-20191204MS

Tot Ion: 75 Resp: 405954

Ion Ratio Lower Upper

75 100

77 30.8 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

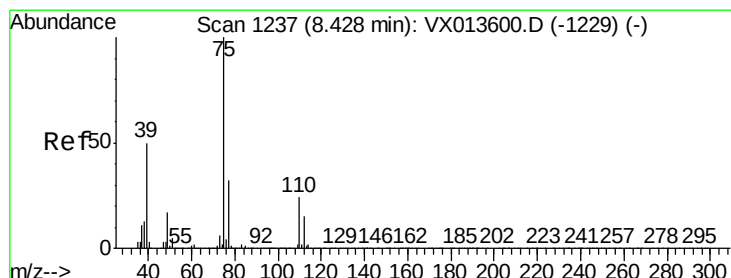
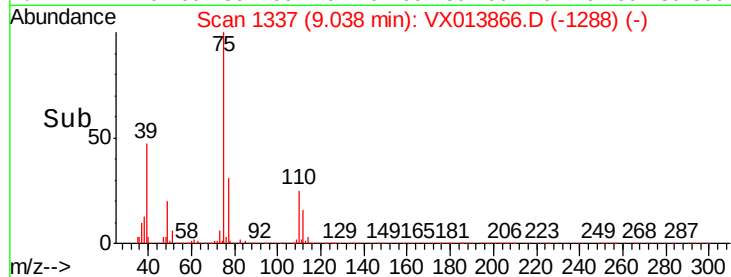
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.801 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

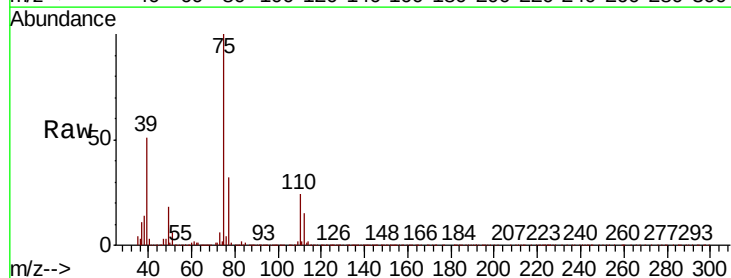
Tgt Ion: 75 Resp: 454322

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.6

39 51.1 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

8.43

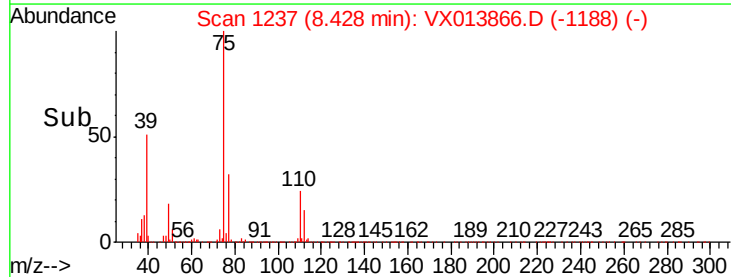
300000

200000

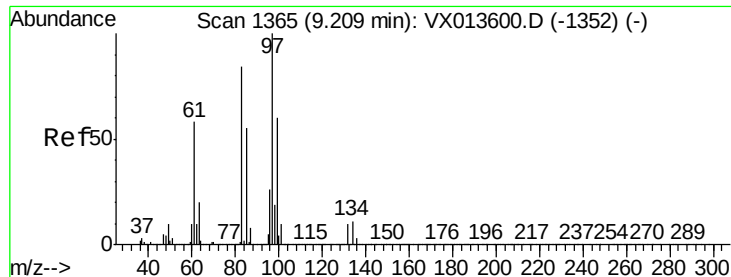
100000

0

Time-->







#55

1,1,2-Trichloroethane

Concen: 51.464 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

RE131D2-20191204MS

Tot Ion: 97 Resp: 300252

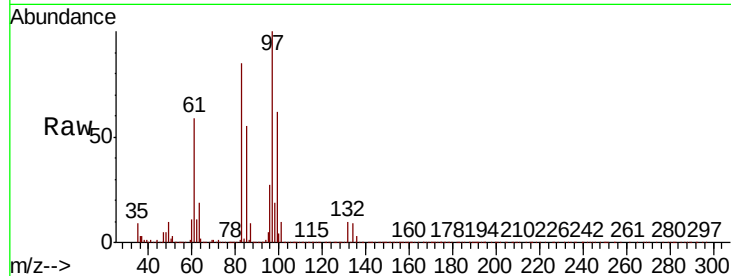
Ion Ratio Lower Upper

97 100

83 85.1 67.3 100.9

85 55.0 43.6 65.4

99 61.7 48.2 72.4

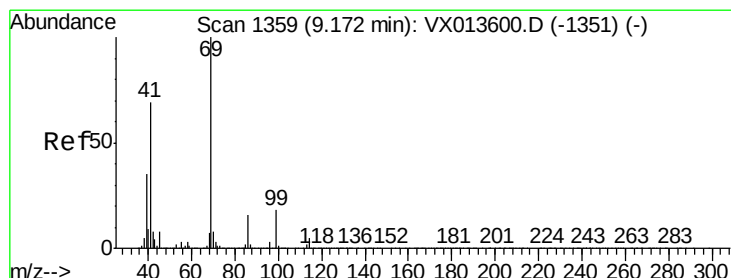
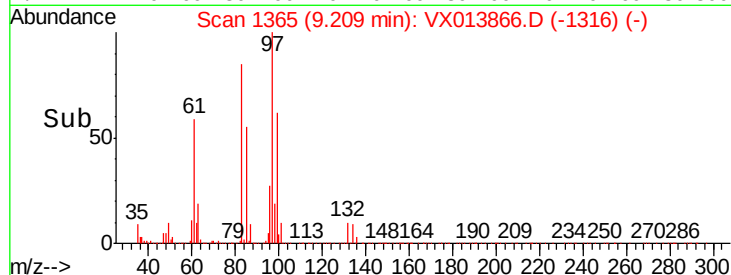
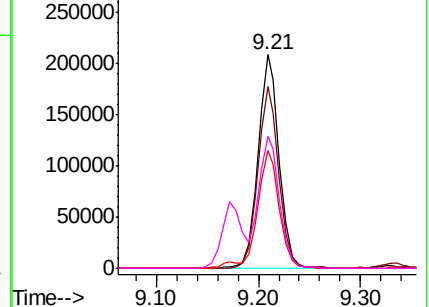


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 51.288 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

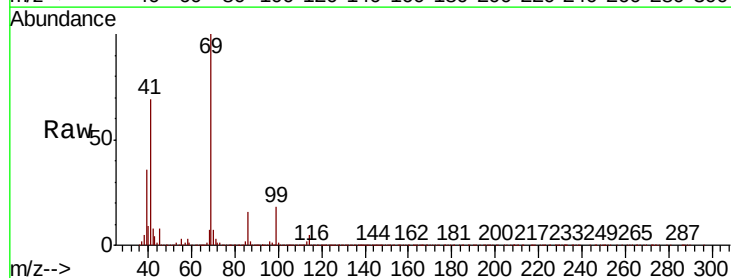
Tgt Ion: 69 Resp: 481076

Ion Ratio Lower Upper

69 100

41 68.4 55.0 82.4

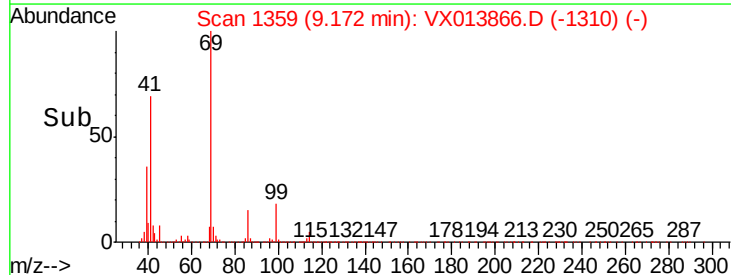
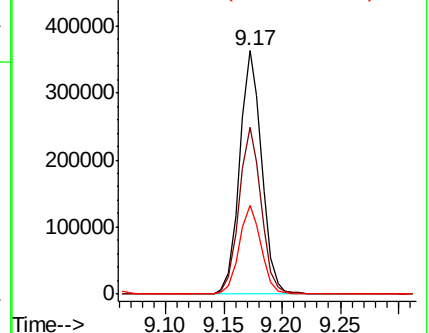
39 35.9 28.7 43.1

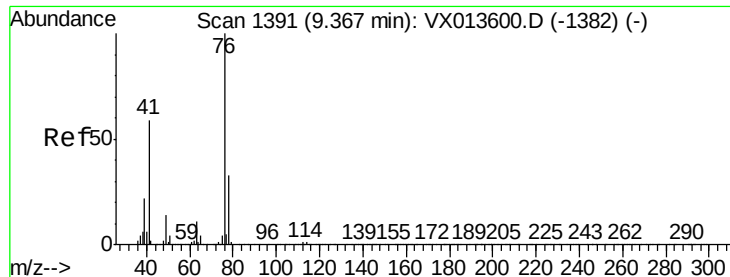


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 50.490 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

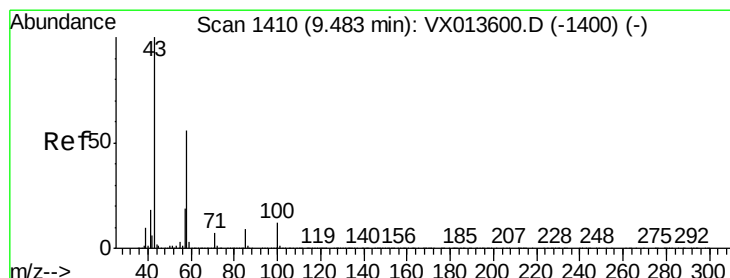
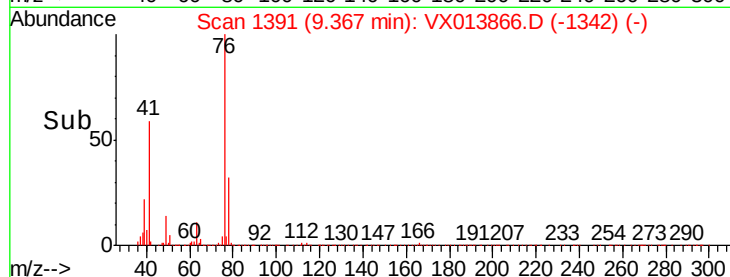
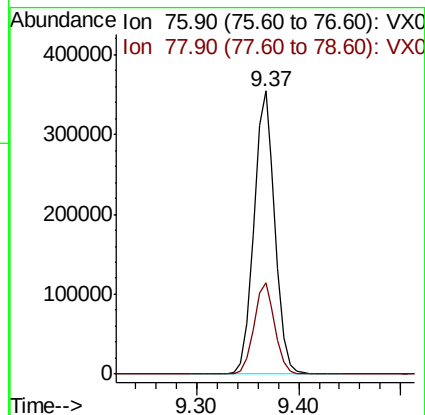
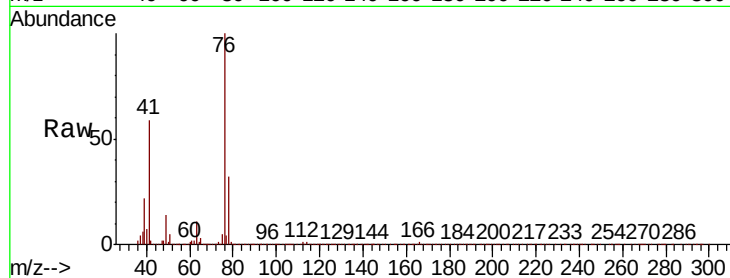
RE131D2-20191204MS

Tot Ion: 76 Resp: 507737

Ion Ratio Lower Upper

76 100

78 31.9 26.0 39.0



#59

2-Hexanone

Concen: 267.241 ug/l

RT: 9.49 min Scan# 1411

Delta R.T. 0.01 min

Lab File: VX013866.D

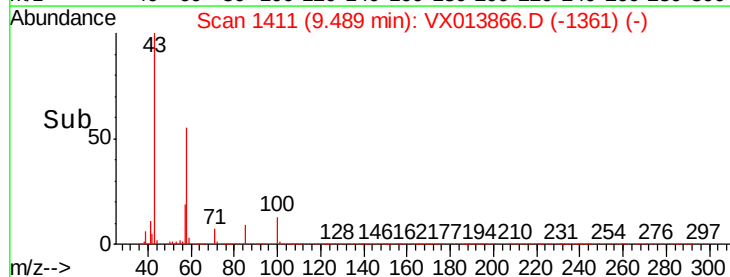
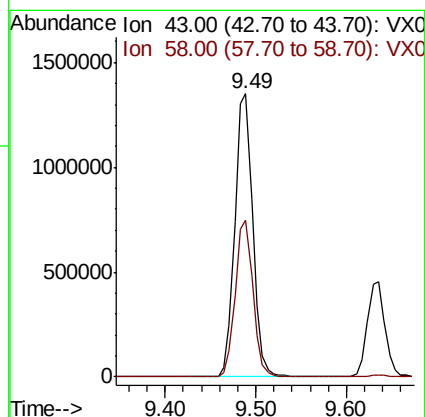
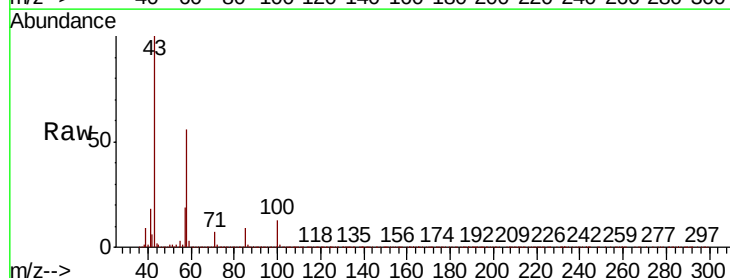
Acq: 09 Dec 2019 21:14

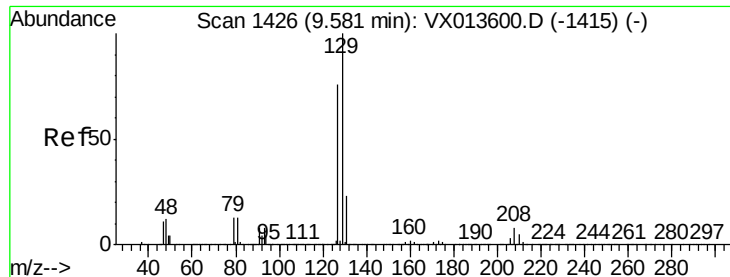
Tgt Ion: 43 Resp: 1852775

Ion Ratio Lower Upper

43 100

58 55.0 28.1 84.4





#60

Dibromochloromethane

Concen: 51.365 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.01 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

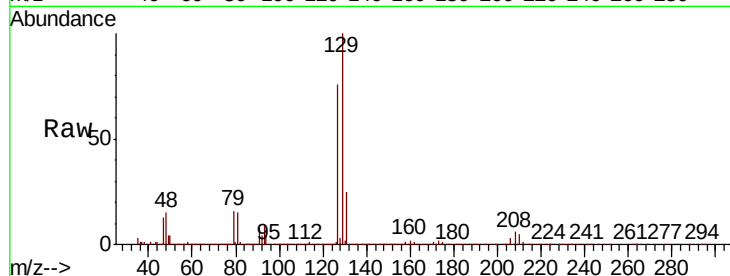
RE131D2-20191204MS

Tot Ion:129 Resp: 310997

Ion Ratio Lower Upper

129 100

127 76.6 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.57

200000

150000

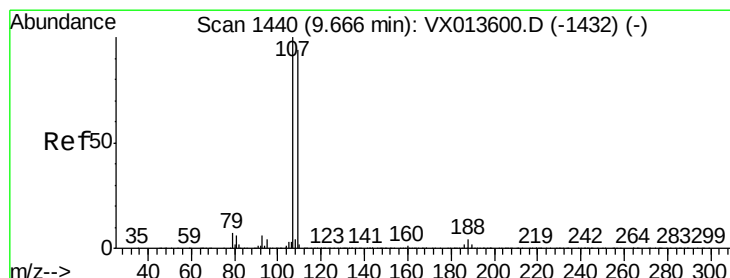
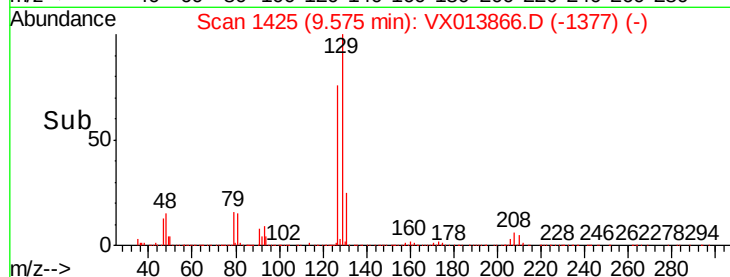
100000

50000

0

Time-->

9.50 9.55 9.60 9.65 9.70



#61

1,2-Dibromoethane

Concen: 49.867 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013866.D

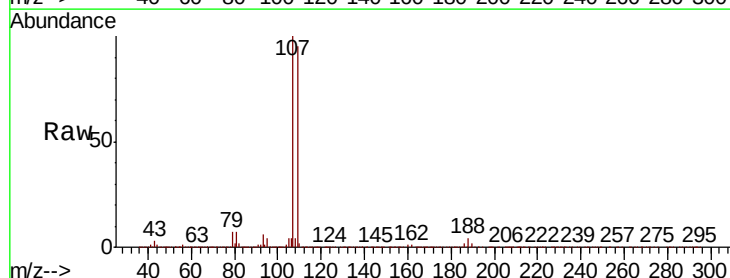
Acq: 09 Dec 2019 21:14

Tgt Ion:107 Resp: 310728

Ion Ratio Lower Upper

107 100

109 94.1 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

250000

200000

150000

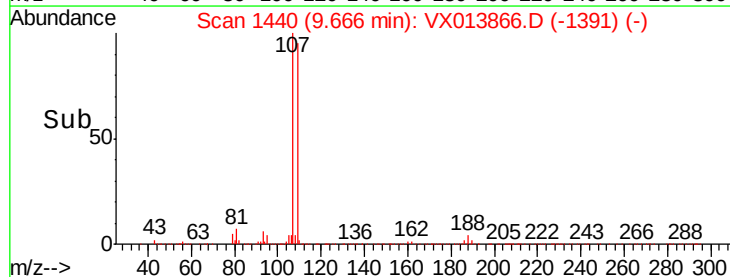
100000

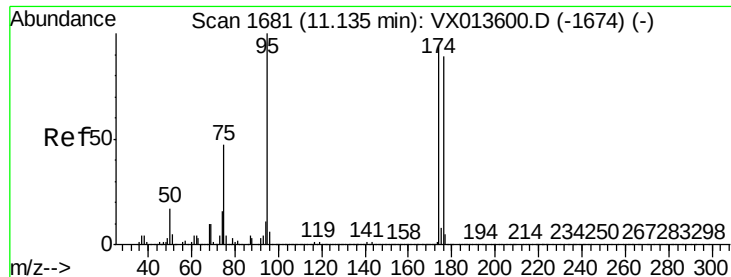
50000

0

Time-->

9.60 9.65 9.70





#62

4-Bromofluorobenzene

Concen: 45.172 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

RE131D2-20191204MS

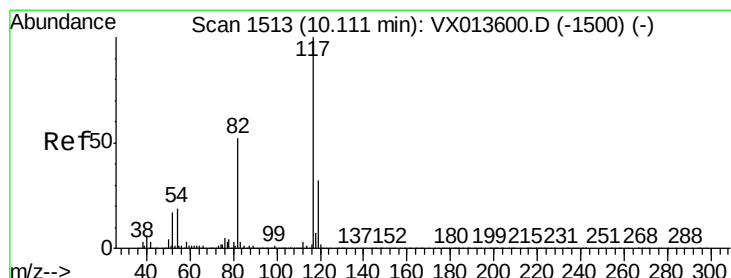
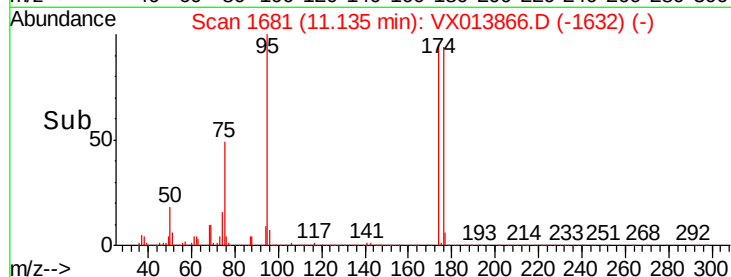
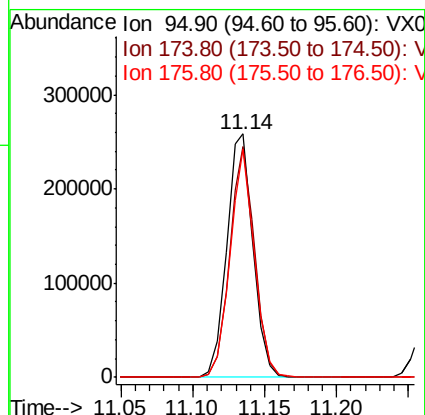
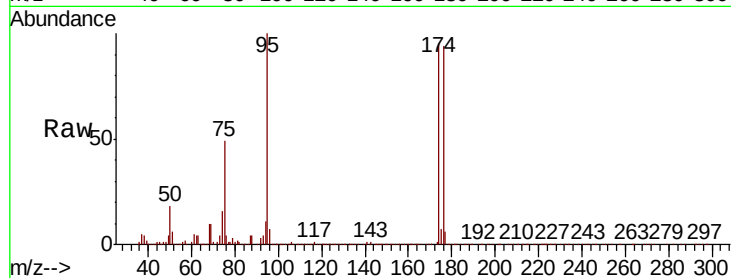
Tot Ion: 95 Resp: 330717

Ion Ratio Lower Upper

95 100

174 90.3 0.0 180.0

176 87.0 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: VX013866.D

Acq: 09 Dec 2019 21:14

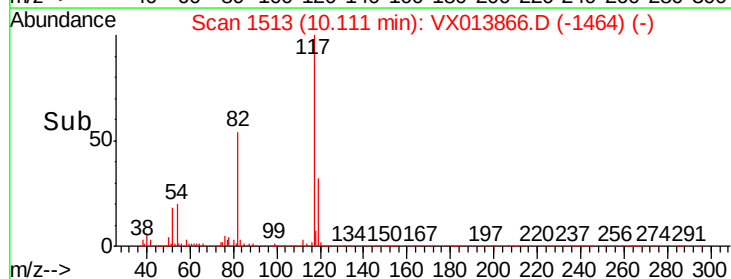
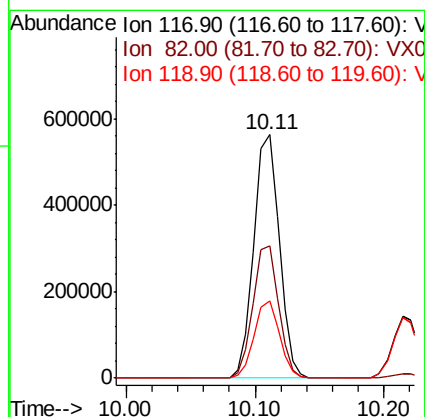
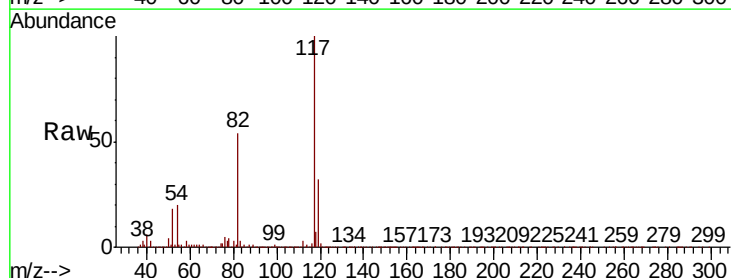
Tgt Ion: 117 Resp: 765925

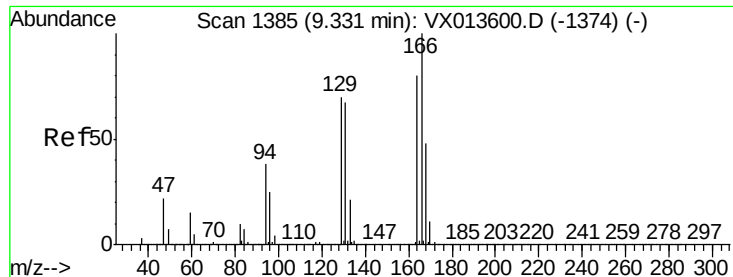
Ion Ratio Lower Upper

117 100

82 54.2 41.8 62.8

119 31.7 25.8 38.8

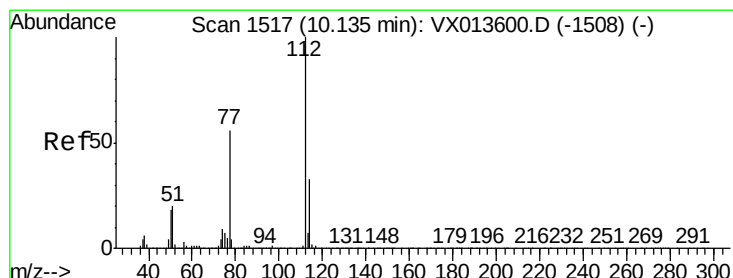
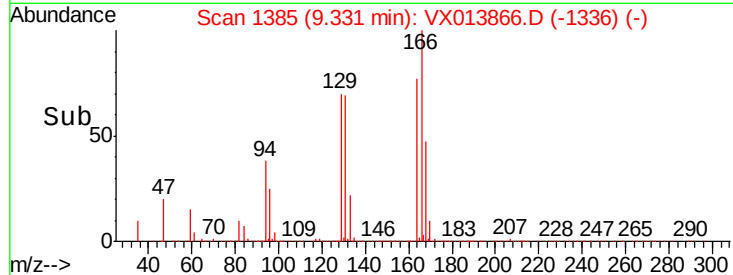
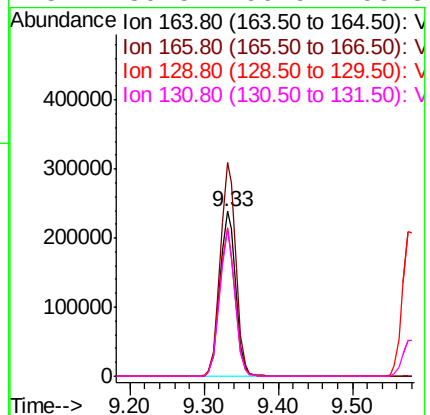
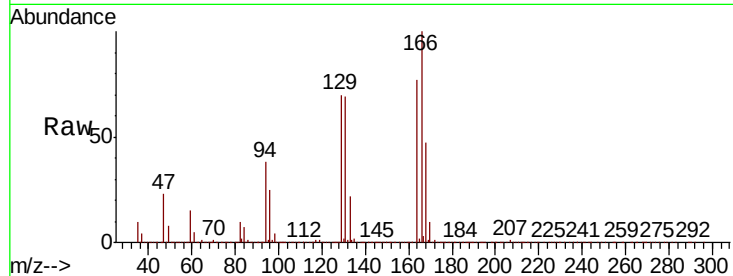




#64  
Tetrachloroethene  
Concen: 60.530 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. -0.00 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

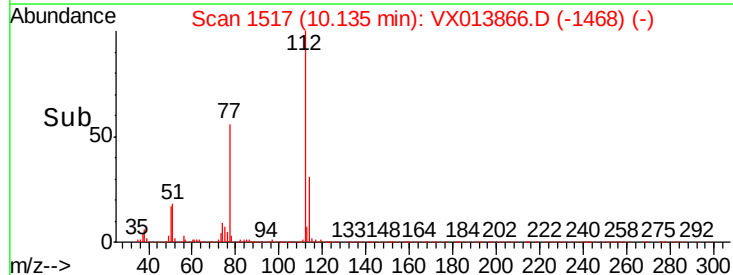
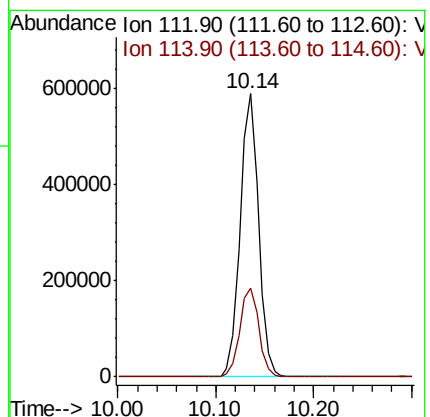
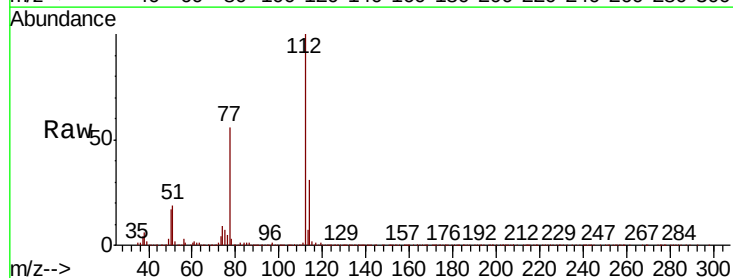
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE131D2-20191204MS

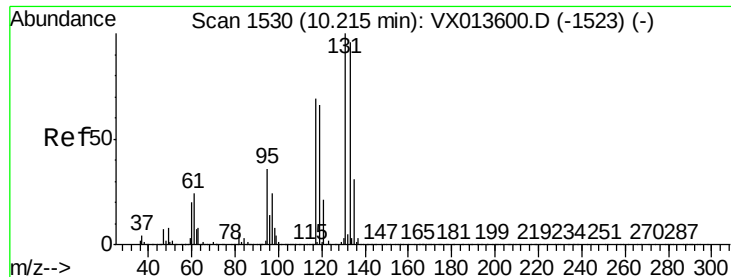
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 129.8 | 99.7  | 149.5 |
| 129     | 90.4  | 70.1  | 105.1 |
| 131     | 89.5  | 66.9  | 100.3 |



#65  
Chlorobenzene  
Concen: 48.337 ug/l  
RT: 10.14 min Scan# 1517  
Delta R.T. -0.00 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.5  | 26.1  | 39.1  |

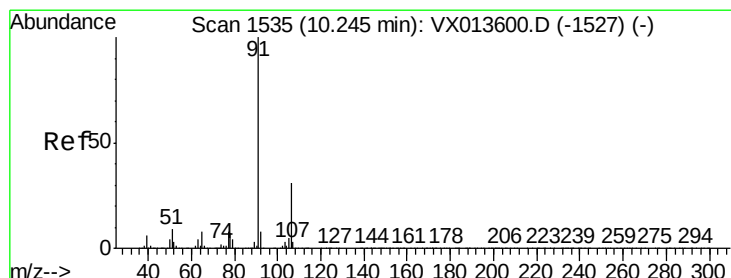
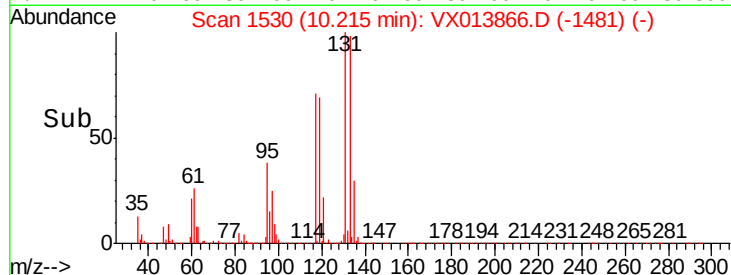
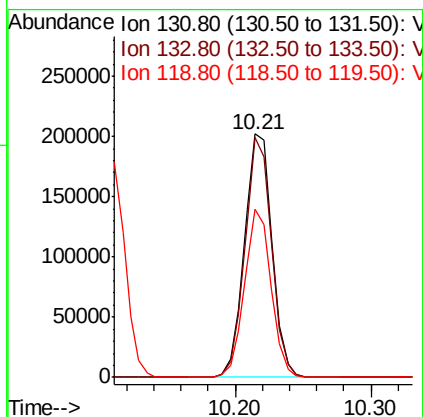
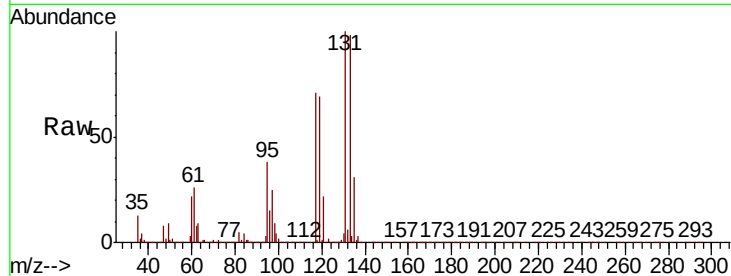




#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 50.227 ug/l  
 RT: 10.21 min Scan# 1530  
 Delta R.T. -0.00 min  
 Lab File: VX013866.D  
 Acq: 09 Dec 2019 21:14

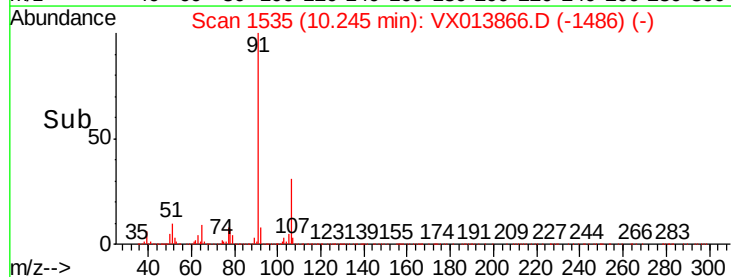
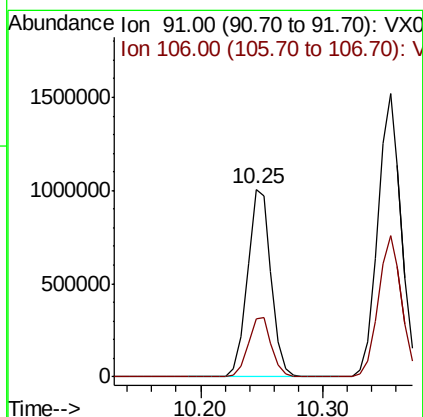
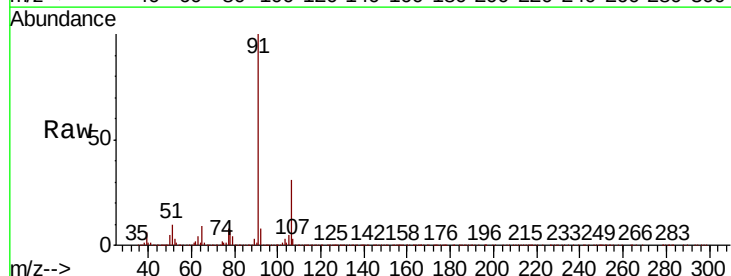
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE131D2-20191204MS

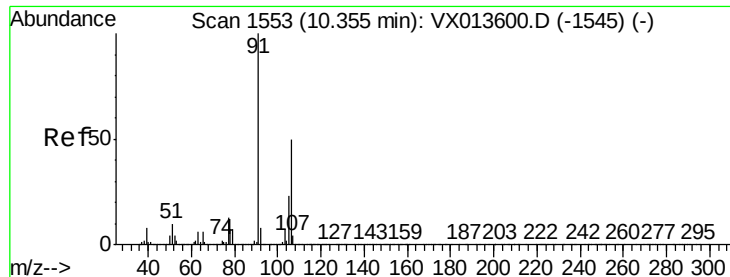
Tot Ion:131 Resp: 286812  
 Ion Ratio Lower Upper  
 131 100  
 133 95.0 47.7 143.1  
 119 66.3 32.9 98.6



#67  
 Ethyl Benzene  
 Concen: 48.959 ug/l  
 RT: 10.25 min Scan# 1535  
 Delta R.T. -0.00 min  
 Lab File: VX013866.D  
 Acq: 09 Dec 2019 21:14

Tgt Ion: 91 Resp: 1337857  
 Ion Ratio Lower Upper  
 91 100  
 106 31.1 24.5 36.7





#68

m/p-Xylenes

Concen: 96.474 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

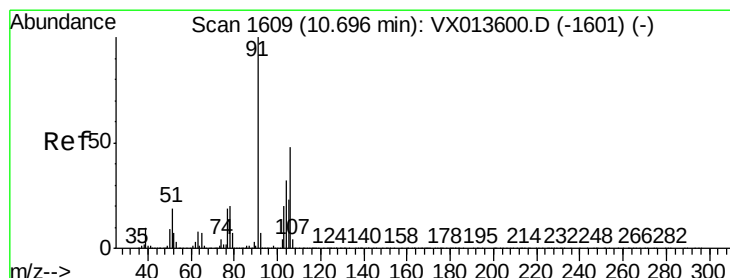
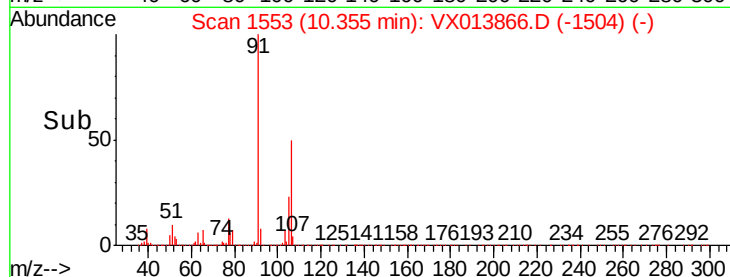
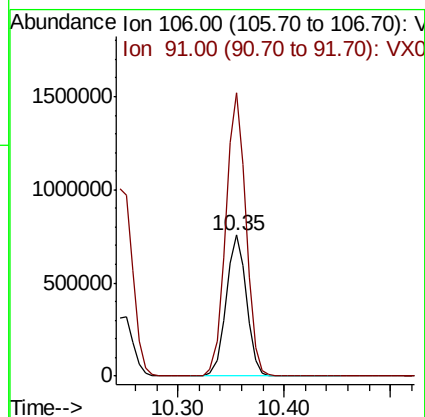
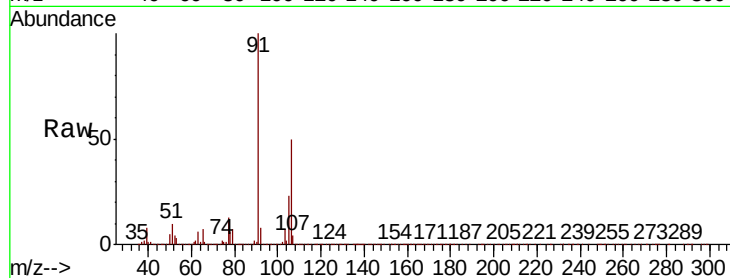
RE131D2-20191204MS

Tot Ion:106 Resp: 1009309

Ion Ratio Lower Upper

106 100

91 199.3 159.0 238.4



#69

o-Xylene

Concen: 48.918 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX013866.D

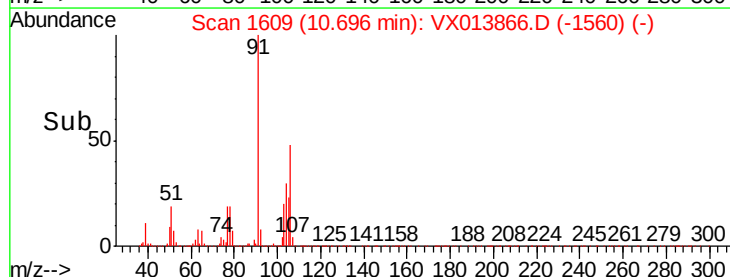
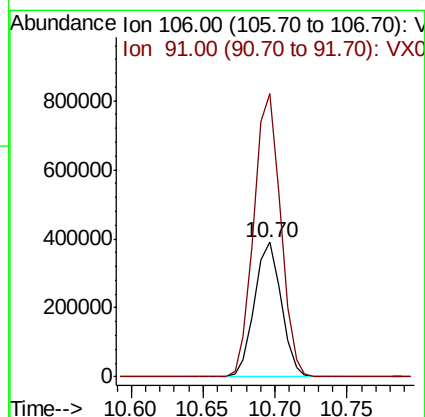
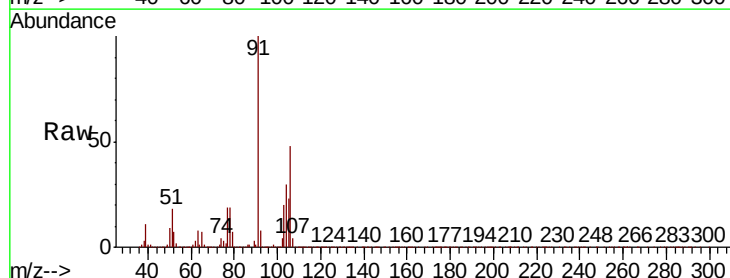
Acq: 09 Dec 2019 21:14

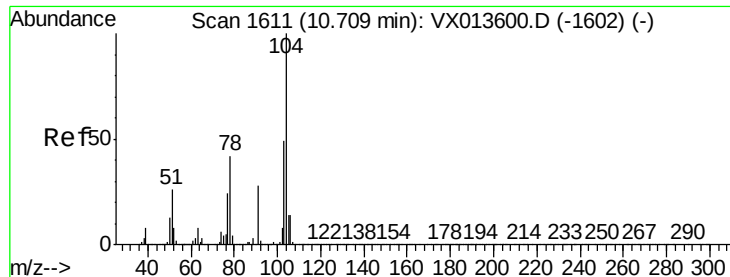
Tgt Ion:106 Resp: 499140

Ion Ratio Lower Upper

106 100

91 210.5 104.1 312.2

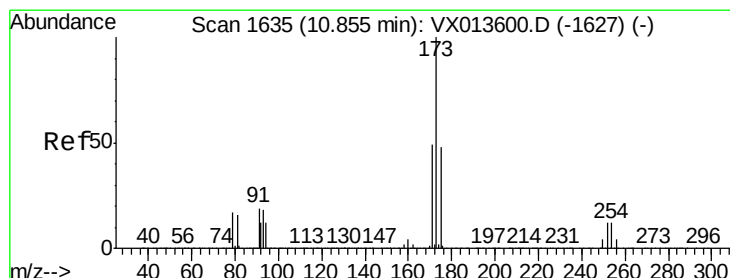
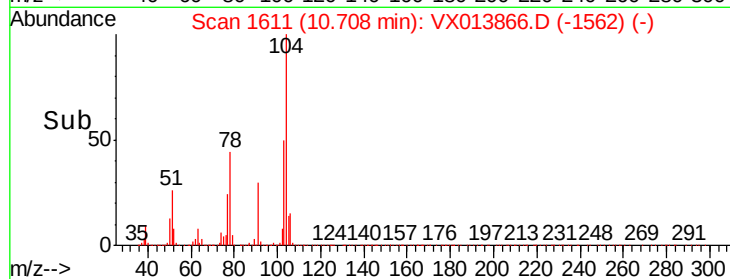
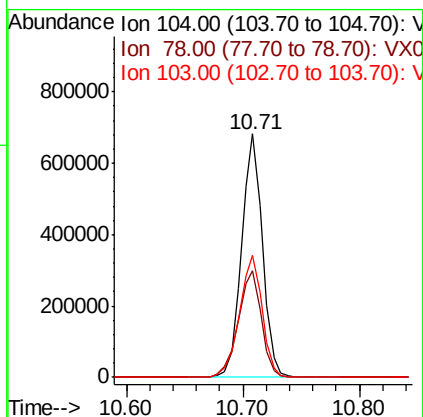
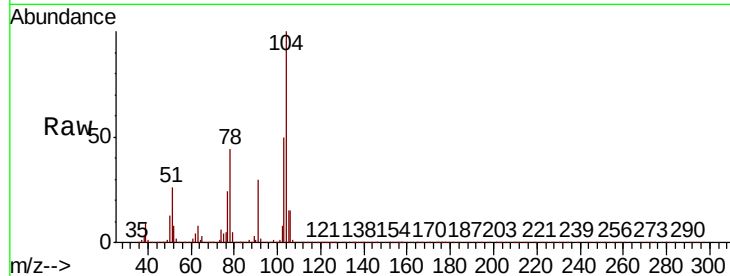




#70  
Stvrene  
Concen: 49.464 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. -0.00 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

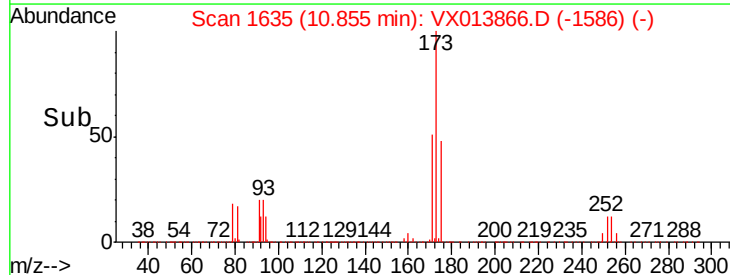
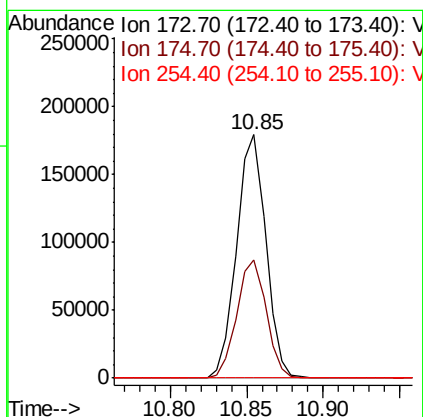
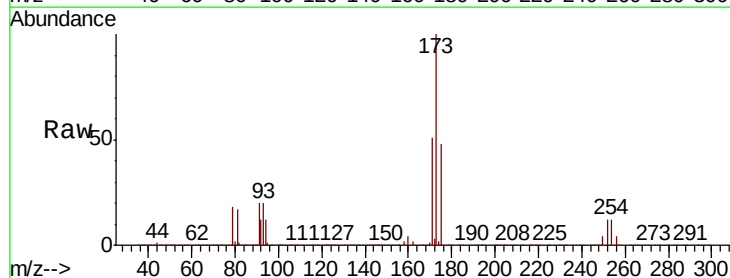
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE131D2-20191204MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 49.0  | 38.5  | 57.7  |
| 103     | 54.7  | 43.7  | 65.5  |

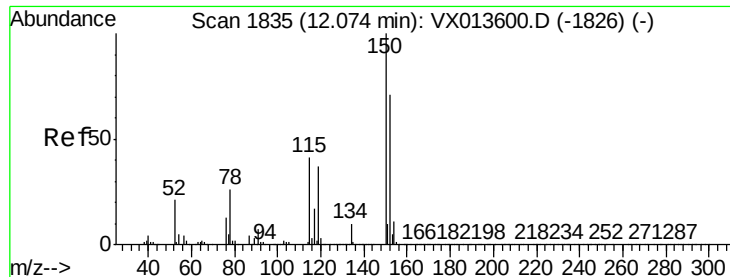


#71  
Bromoform  
Concen: 50.462 ug/l  
RT: 10.85 min Scan# 1635  
Delta R.T. -0.00 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.1  | 24.3  | 72.8  |
| 254     | 0.2   | 0.2   | 0.4   |



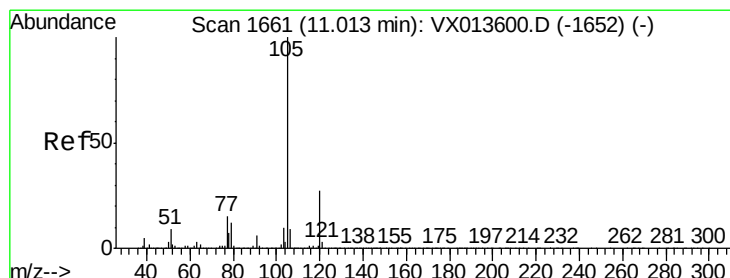
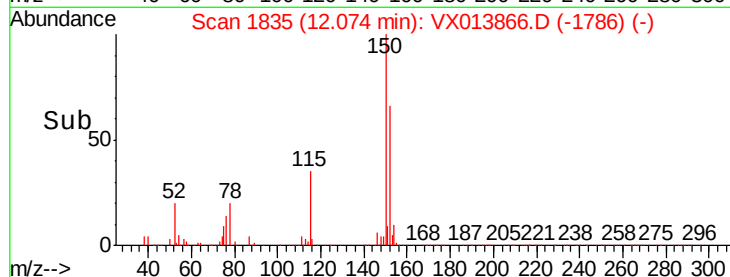
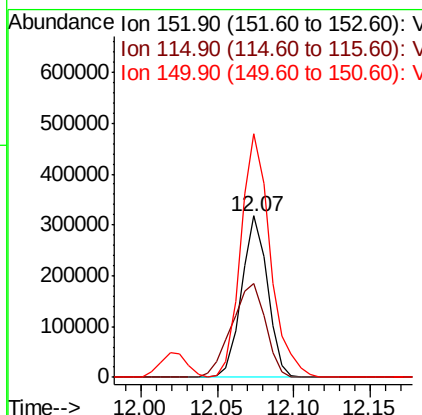
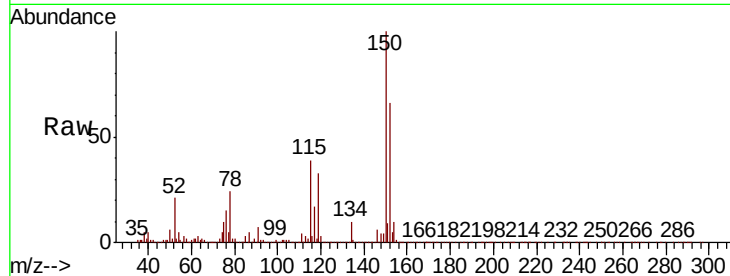




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.07 min Scan# 1835  
 Delta R.T. -0.00 min  
 Lab File: VX013866.D  
 Acq: 09 Dec 2019 21:14

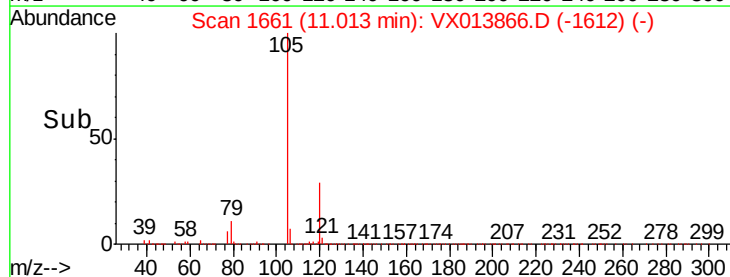
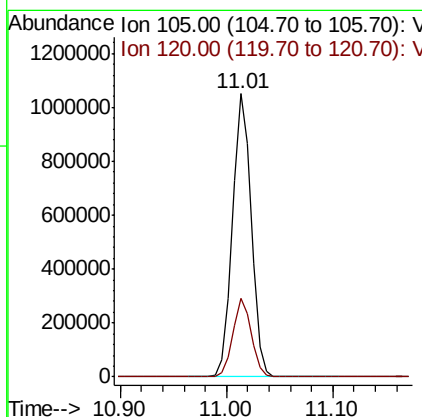
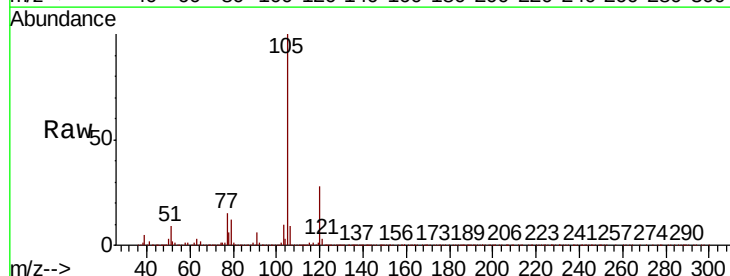
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE131D2-20191204MS

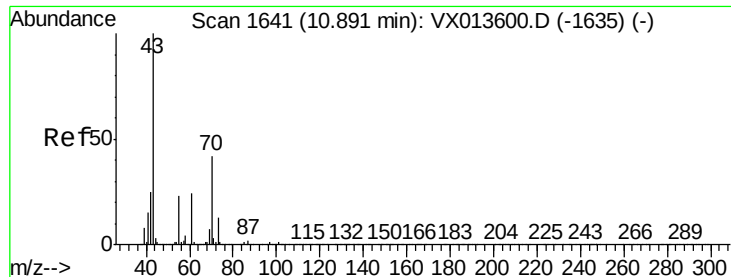
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 76.2  | 38.4  | 115.1 |
| 150     | 171.0 | 0.0   | 346.8 |



#73  
 Isopropylbenzene  
 Concen: 49.810 ug/l  
 RT: 11.01 min Scan# 1661  
 Delta R.T. -0.00 min  
 Lab File: VX013866.D  
 Acq: 09 Dec 2019 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 27.3  | 13.5  | 40.5  |





#74

N-amvl acetate

Concen: 49.836 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

RE131D2-20191204MS

Tot Ion: 43 Resp: 598163

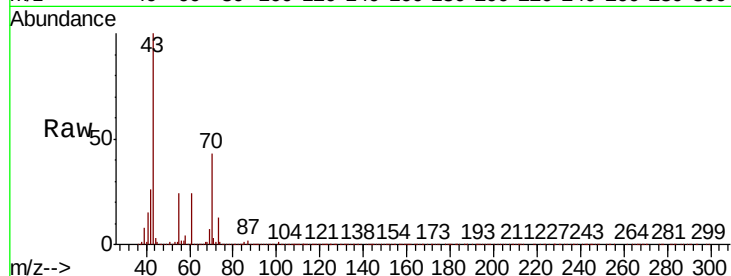
Ion Ratio Lower Upper

43 100

70 43.3 34.3 51.5

55 24.4 18.5 27.7

61 24.2 19.8 29.8

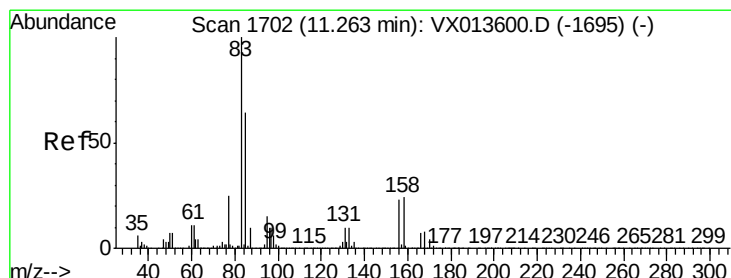
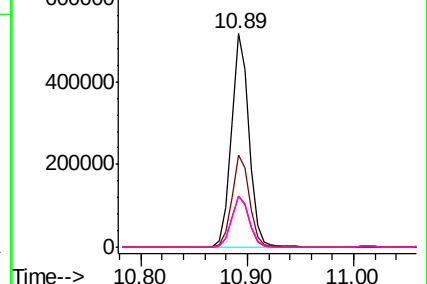
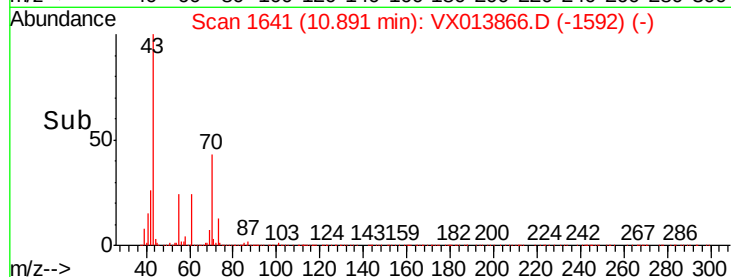


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 53.889 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

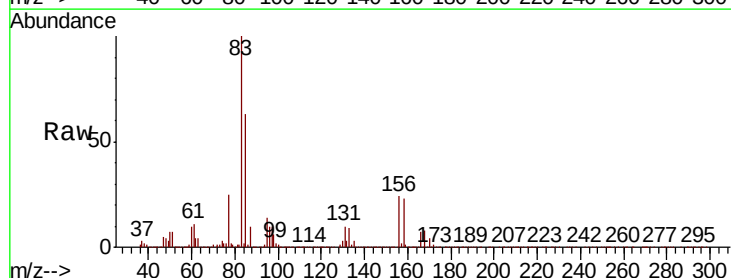
Tgt Ion: 83 Resp: 489663

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.3

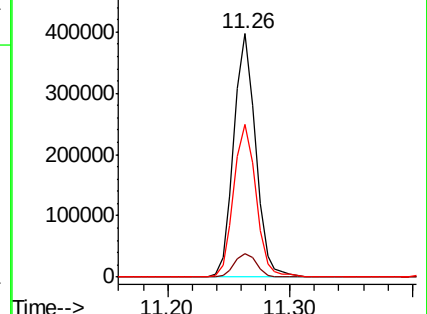
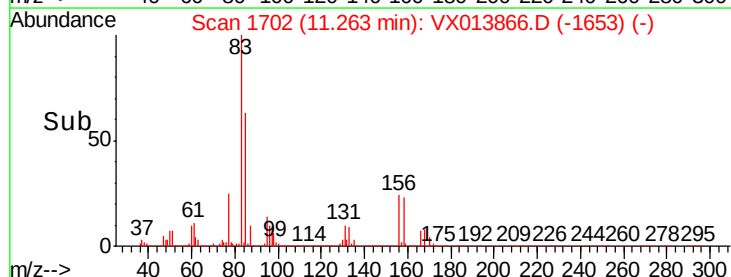
85 64.1 31.8 95.3

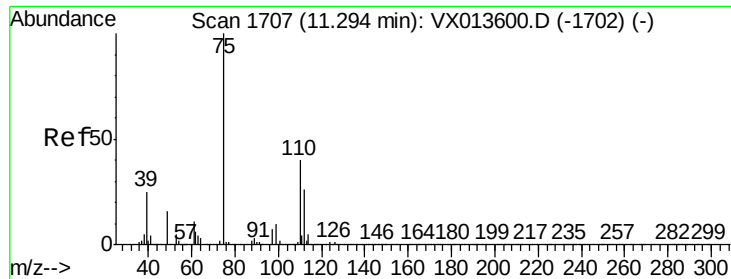


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

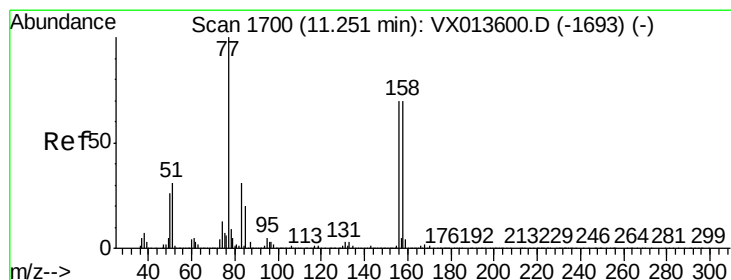
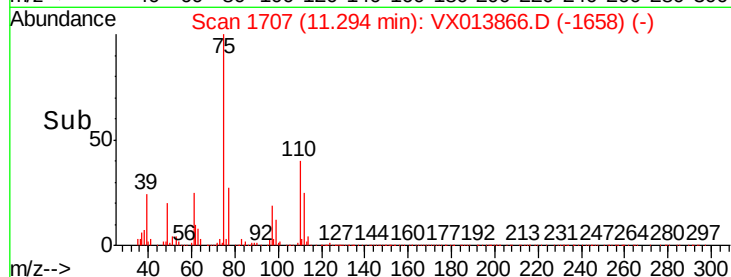
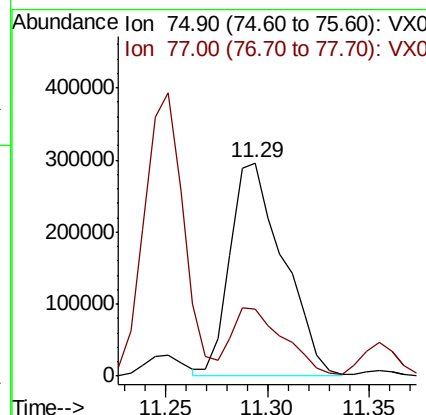
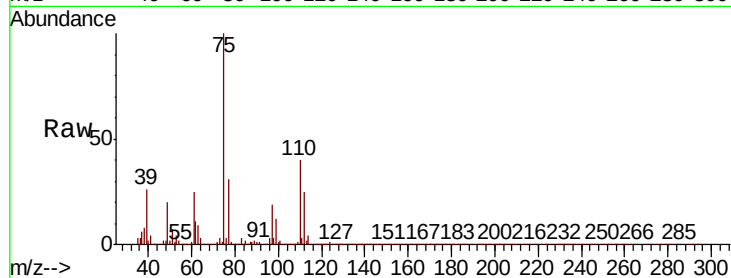




#76  
 1,2,3-Trichloropropane  
 Concen: 63.907 ug/l  
 RT: 11.29 min Scan# 1707  
 Delta R.T. -0.00 min  
 Lab File: VX013866.D  
 Acq: 09 Dec 2019 21:14

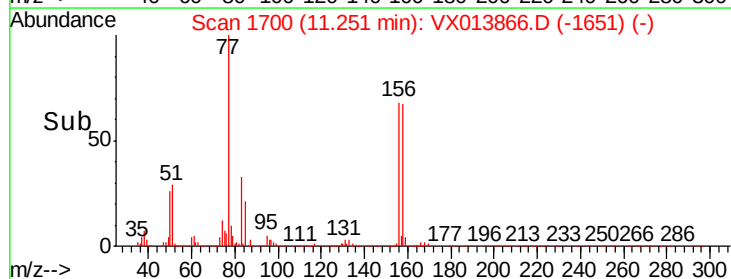
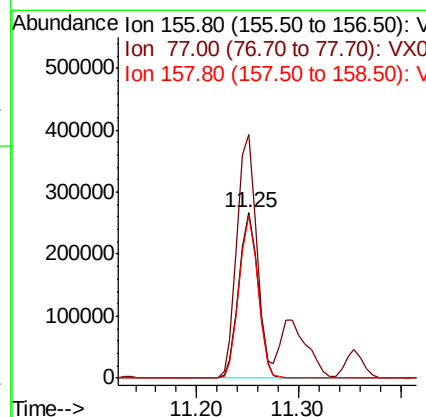
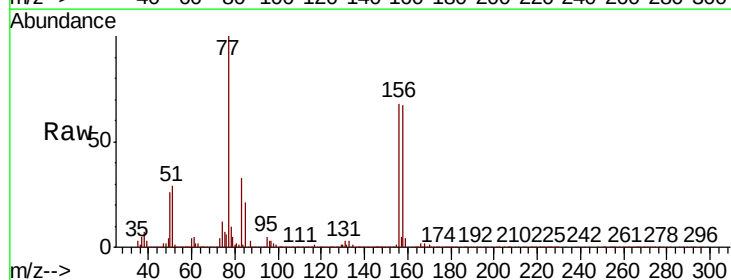
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE131D2-20191204MS

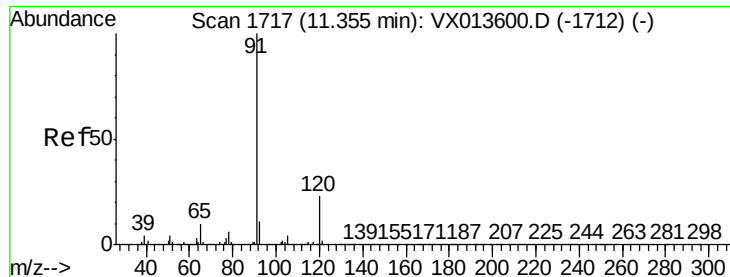
Tot Ion: 75 Resp: 536898  
 Ion Ratio Lower Upper  
 75 100  
 77 30.9 19.1 57.5



#77  
 Bromobenzene  
 Concen: 48.897 ug/l  
 RT: 11.25 min Scan# 1700  
 Delta R.T. -0.00 min  
 Lab File: VX013866.D  
 Acq: 09 Dec 2019 21:14

Tgt Ion: 156 Resp: 346115  
 Ion Ratio Lower Upper  
 156 100  
 77 151.9 74.4 223.1  
 158 96.9 48.9 146.6





#78

n-propylbenzene

Concen: 49.249 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

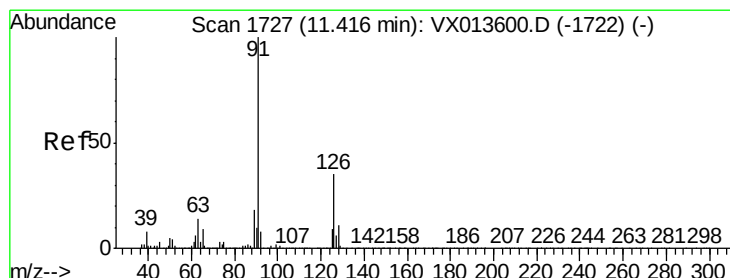
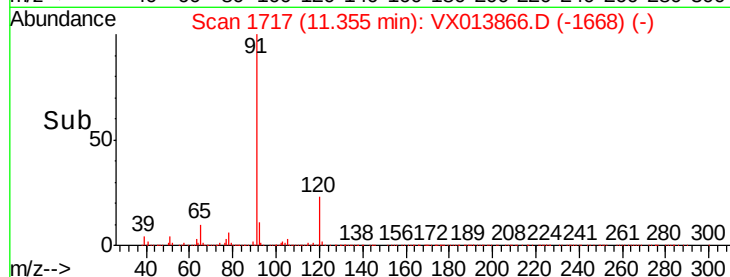
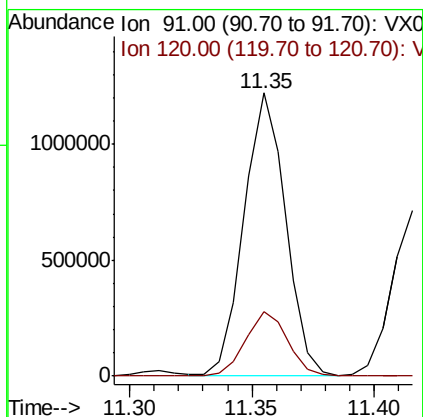
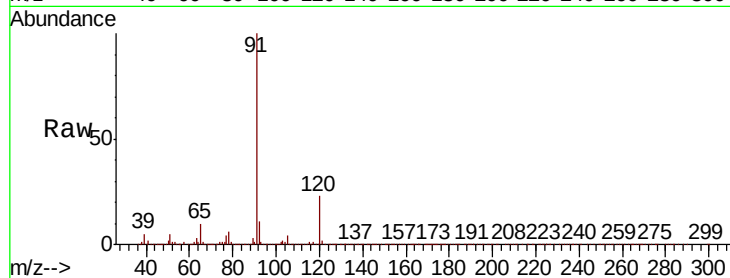
RE131D2-20191204MS

Tot Ion: 91 Resp: 1440490

Ion Ratio Lower Upper

91 100

120 23.2 11.8 35.3



#79

2-Chlorotoluene

Concen: 49.461 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013866.D

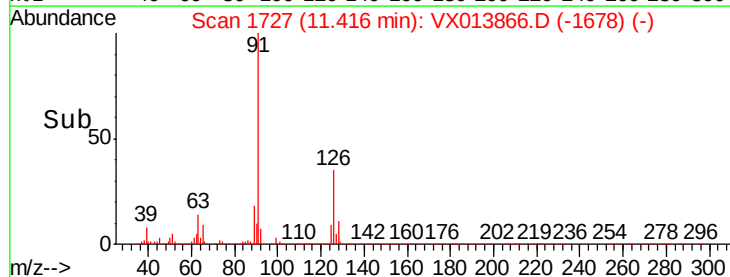
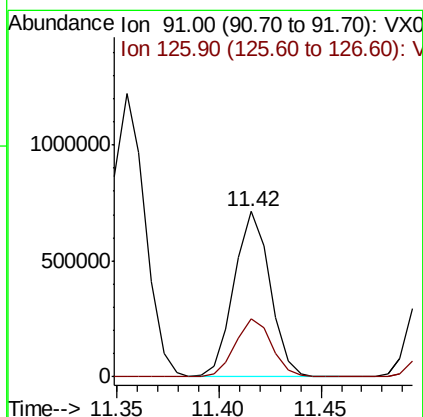
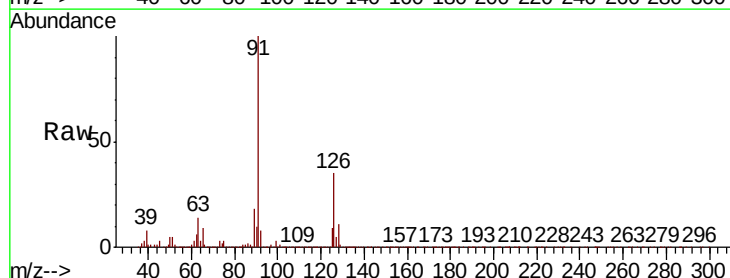
Acq: 09 Dec 2019 21:14

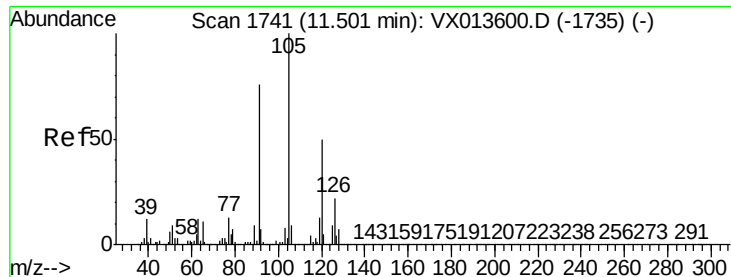
Tgt Ion: 91 Resp: 867829

Ion Ratio Lower Upper

91 100

126 35.6 17.5 52.5

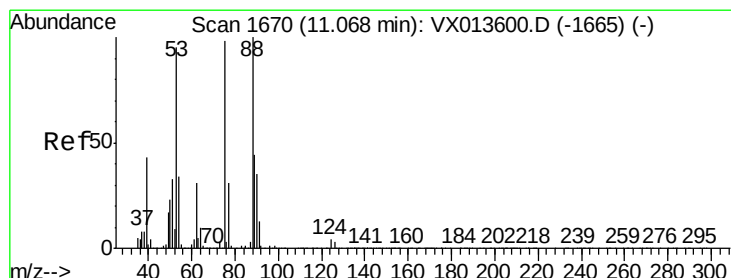
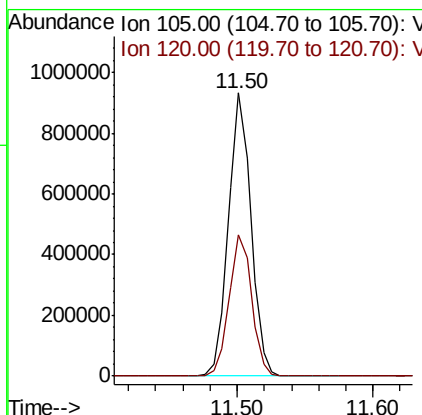
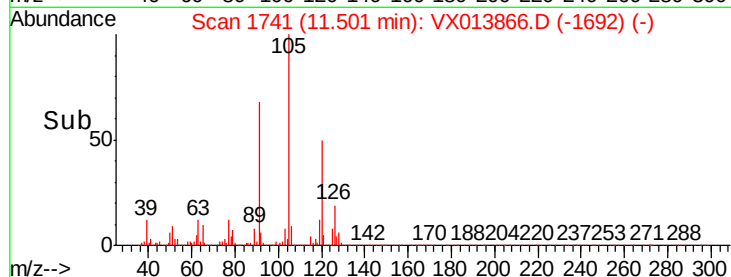
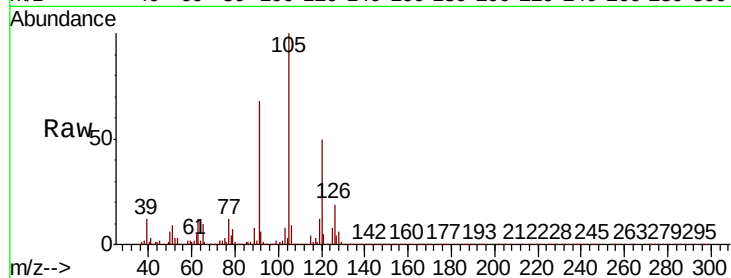




#80  
 1,3,5-Trimethylbenzene  
 Concen: 49.828 ug/l  
 RT: 11.50 min Scan# 1741  
 Delta R.T. -0.00 min  
 Lab File: VX013866.D  
 Acq: 09 Dec 2019 21:14

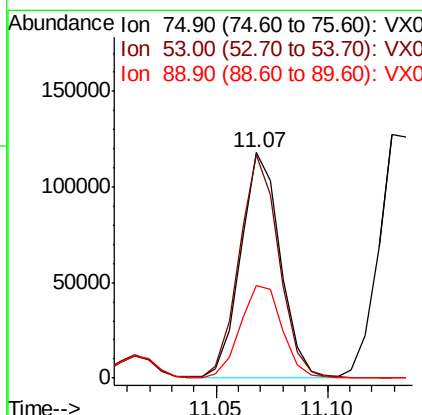
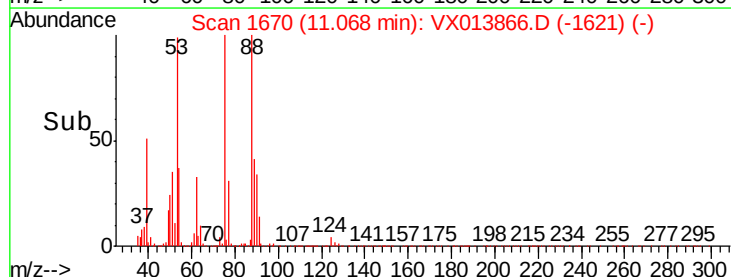
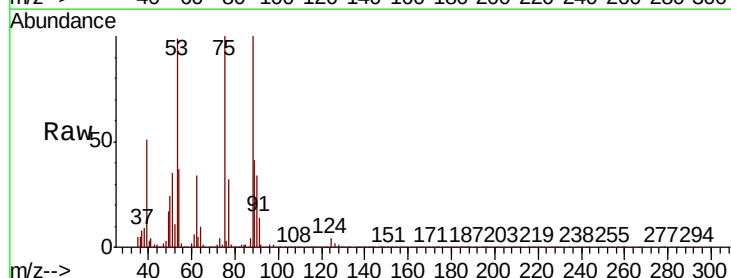
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE131D2-20191204MS

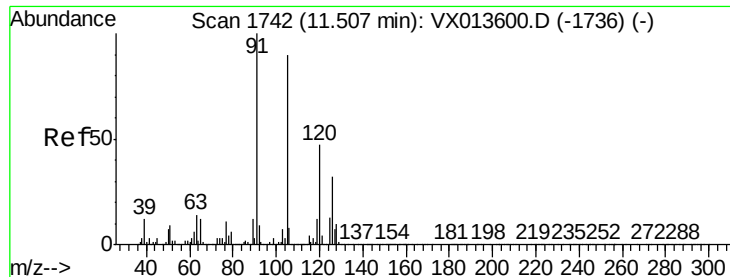
Tot Ion:105 Resp: 1070036  
 Ion Ratio Lower Upper  
 105 100  
 120 50.3 25.3 75.9



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 47.215 ug/l  
 RT: 11.07 min Scan# 1670  
 Delta R.T. -0.00 min  
 Lab File: VX013866.D  
 Acq: 09 Dec 2019 21:14

Tgt Ion: 75 Resp: 144991  
 Ion Ratio Lower Upper  
 75 100  
 53 99.1 78.2 117.2  
 89 44.4 35.4 53.2





#82

4-Chlorotoluene

Concen: 48.429 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

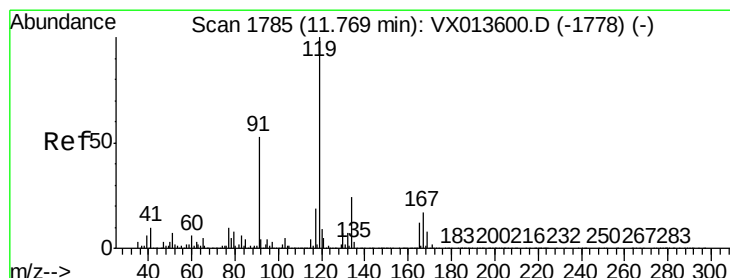
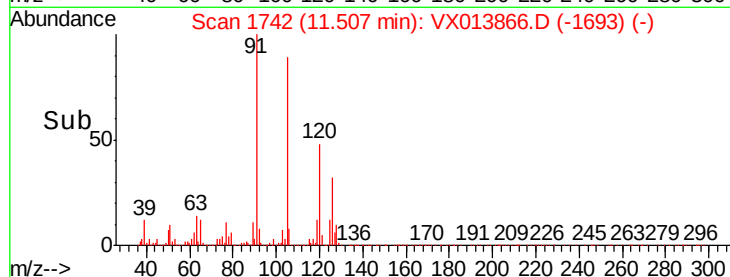
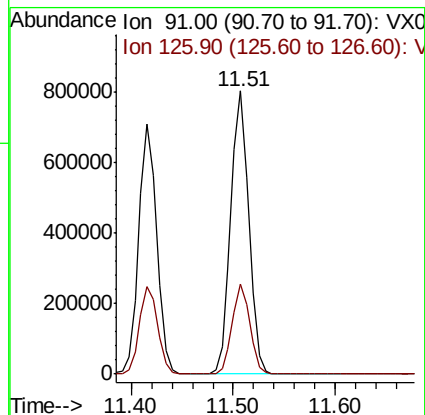
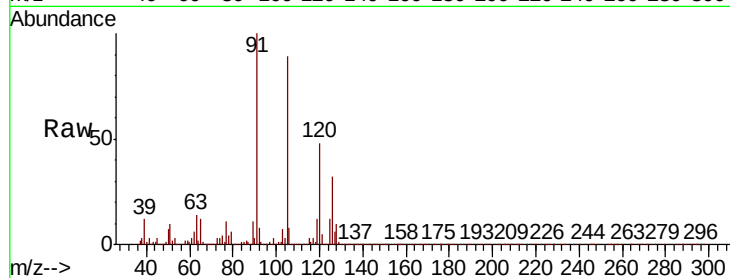
RE131D2-20191204MS

Tot Ion: 91 Resp: 984167

Ion Ratio Lower Upper

91 100

126 31.0 15.7 47.0



#83

tert-Butylbenzene

Concen: 50.628 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

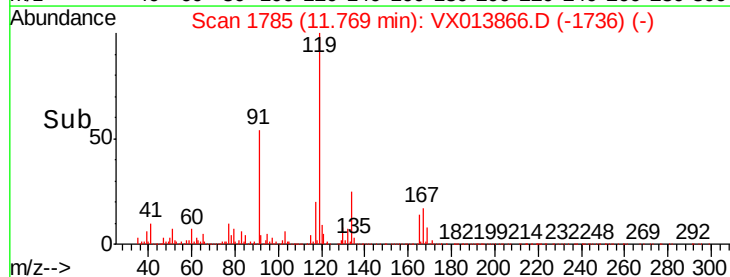
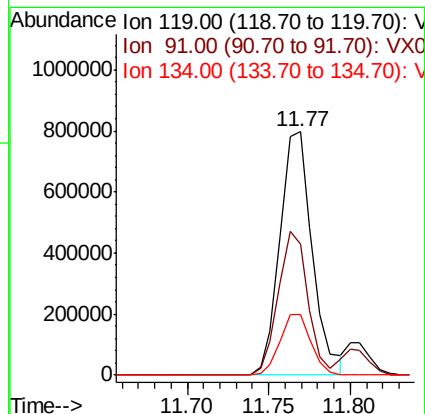
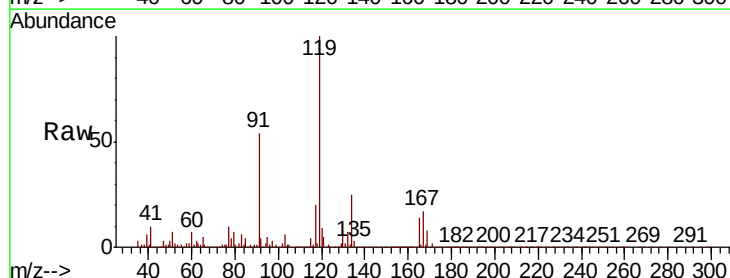
Tgt Ion: 119 Resp: 1104931

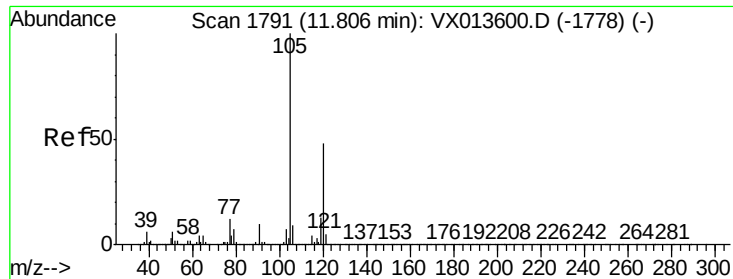
Ion Ratio Lower Upper

119 100

91 54.0 27.2 81.6

134 23.8 11.7 35.1

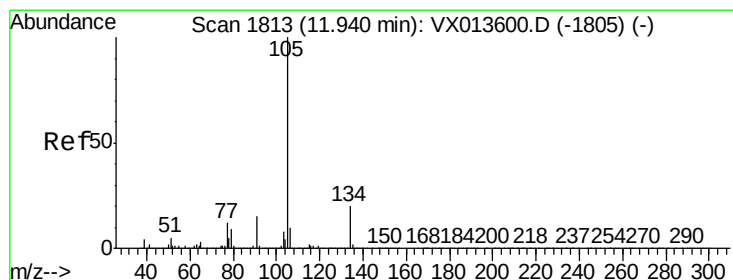
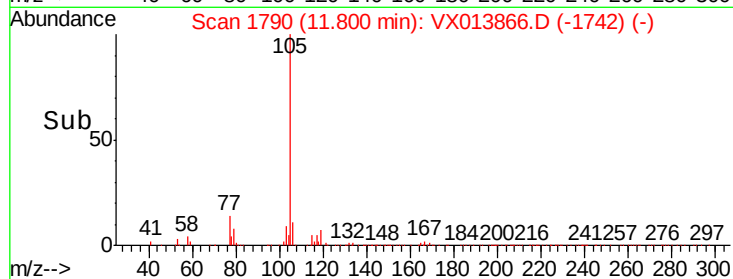
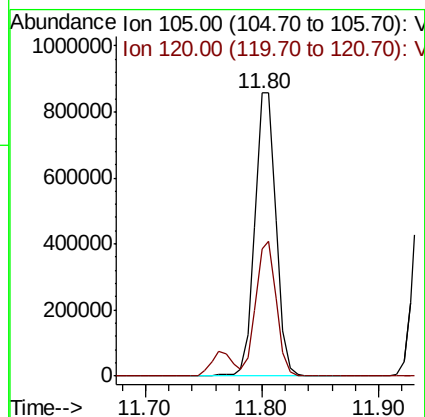
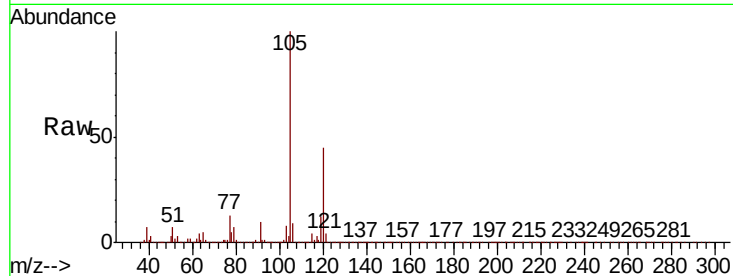




#84  
 1,2,4-Trimethylbenzene  
 Concen: 49.853 ug/l  
 RT: 11.80 min Scan# 1790  
 Delta R.T. -0.01 min  
 Lab File: VX013866.D  
 Acq: 09 Dec 2019 21:14

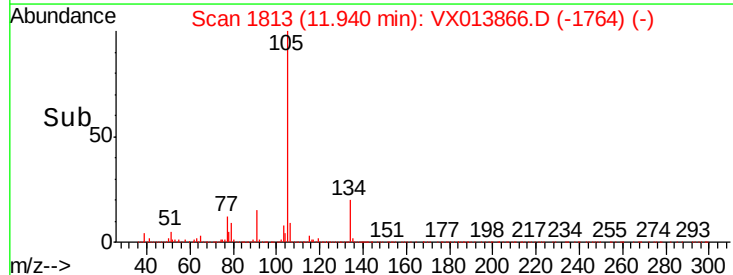
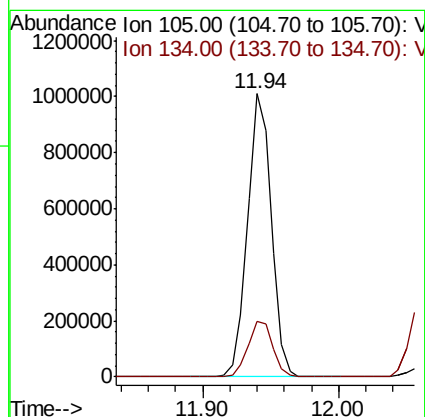
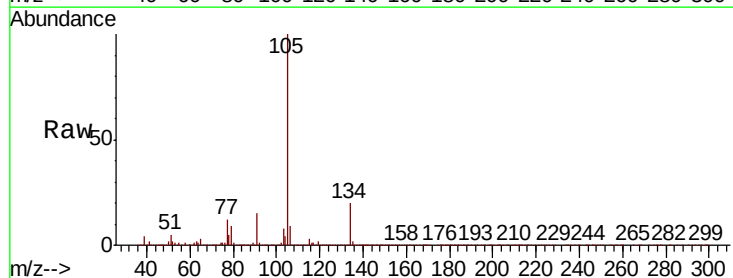
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE131D2-20191204MS

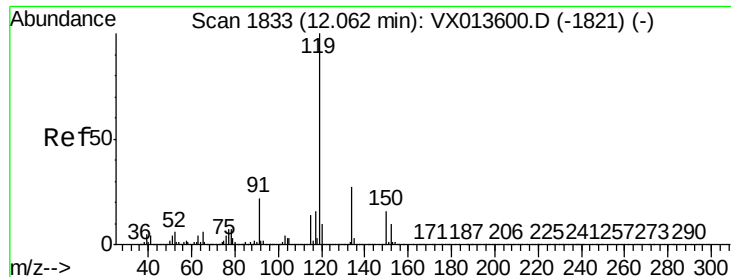
Tot Ion:105 Resp: 1086519  
 Ion Ratio Lower Upper  
 105 100  
 120 46.1 23.1 69.3



#85  
 sec-Butylbenzene  
 Concen: 49.495 ug/l  
 RT: 11.94 min Scan# 1813  
 Delta R.T. -0.00 min  
 Lab File: VX013866.D  
 Acq: 09 Dec 2019 21:14

Tgt Ion:105 Resp: 1233814  
 Ion Ratio Lower Upper  
 105 100  
 134 20.6 10.4 31.2

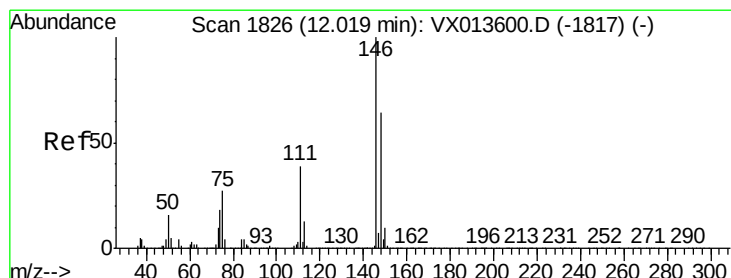
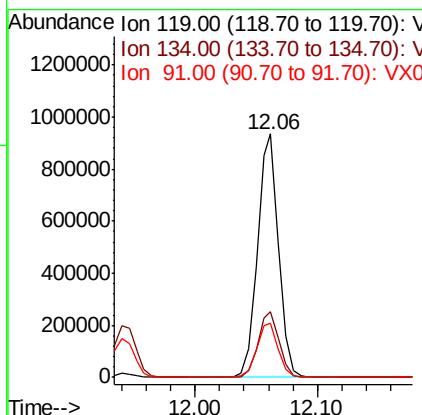
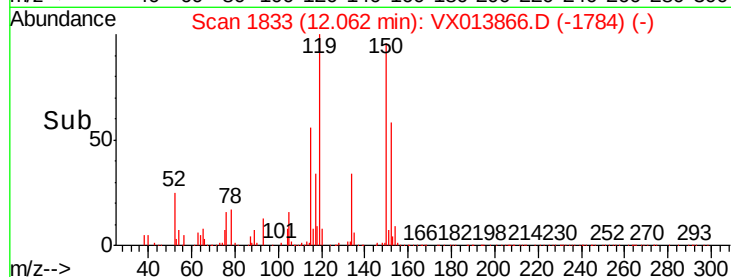
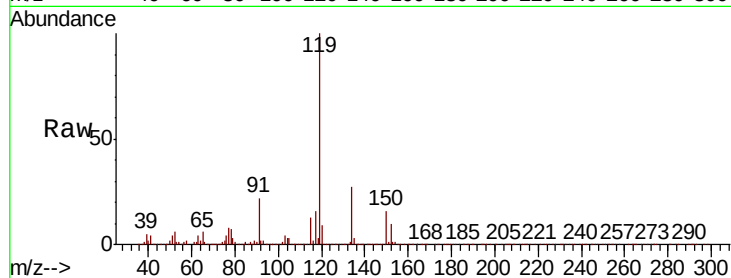




#86  
p-Isopropyltoluene  
Concen: 48.202 ug/l  
RT: 12.06 min Scan# 1833  
Delta R.T. -0.00 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

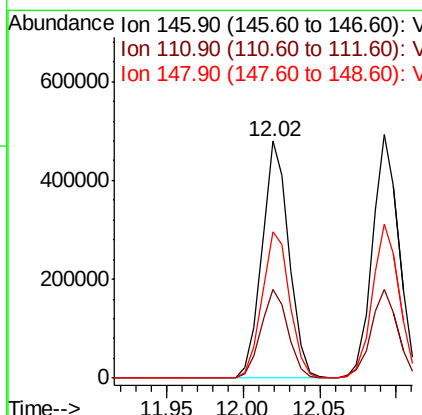
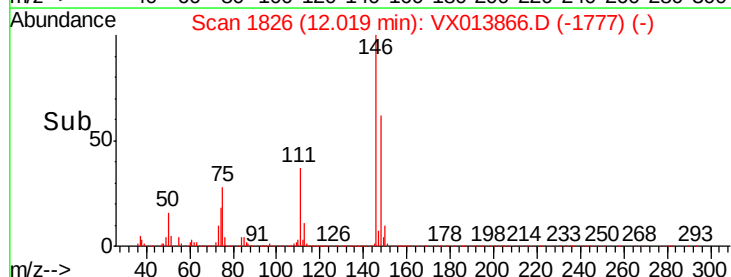
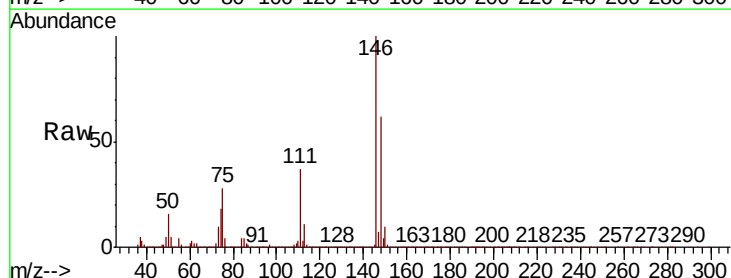
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE131D2-20191204MS

Tot Ion:119 Resp: 1117846  
Ion Ratio Lower Upper  
119 100  
134 27.1 13.3 39.9  
91 22.7 11.3 33.8

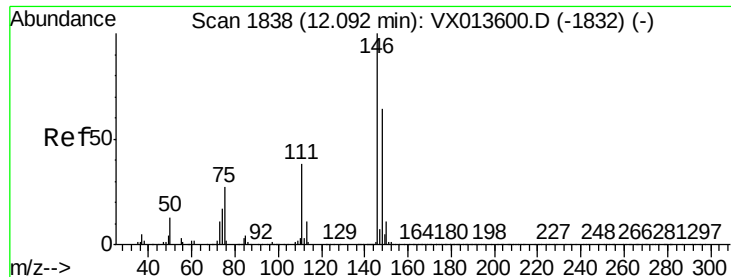


#87  
1,3-Dichlorobenzene  
Concen: 47.799 ug/l  
RT: 12.02 min Scan# 1826  
Delta R.T. -0.00 min  
Lab File: VX013866.D  
Acq: 09 Dec 2019 21:14

Tgt Ion:146 Resp: 589791  
Ion Ratio Lower Upper  
146 100  
111 37.4 19.0 57.0  
148 63.3 31.8 95.4



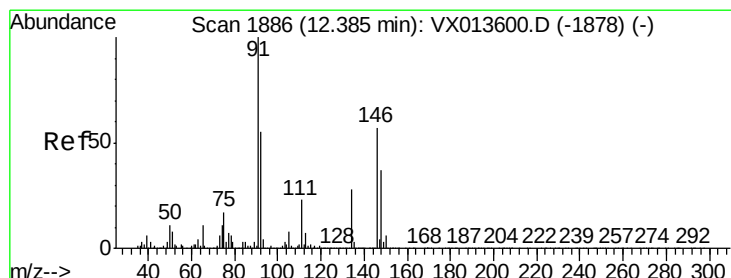
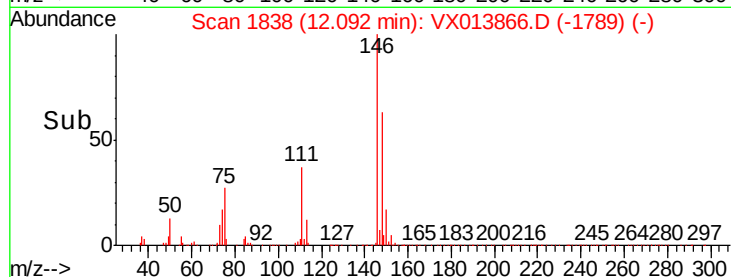
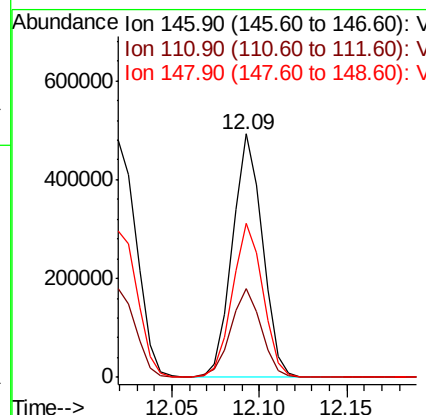
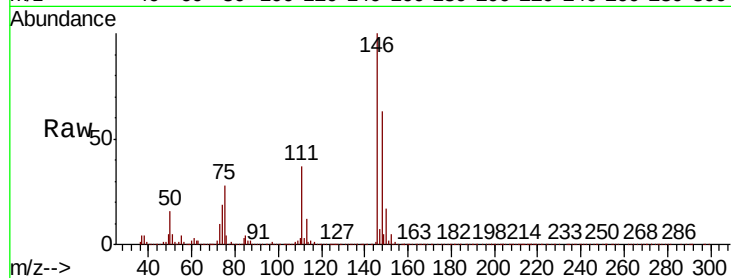




#88  
 1,4-Dichlorobenzene  
 Concen: 46.841 ug/l  
 RT: 12.09 min Scan# 1838  
 Delta R.T. -0.00 min  
 Lab File: VX013866.D  
 Acq: 09 Dec 2019 21:14

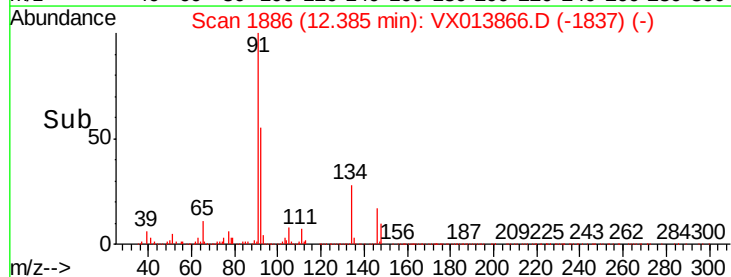
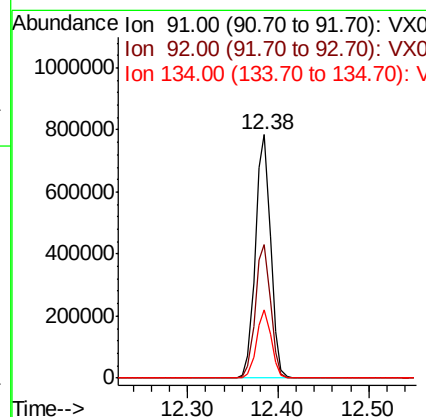
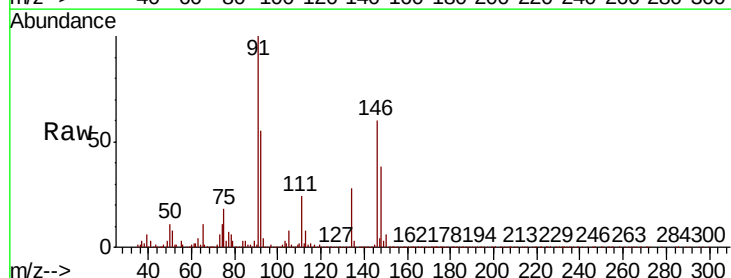
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE131D2-20191204MS

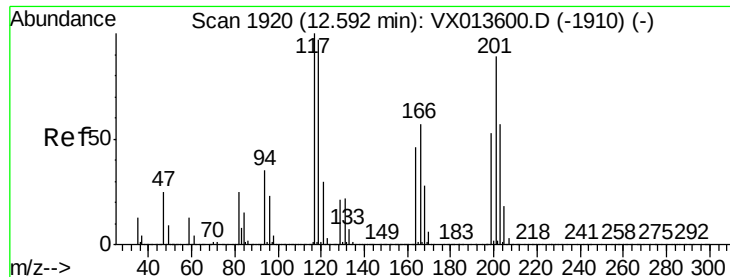
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.1  | 18.9  | 56.9  |
| 148     | 64.0  | 31.9  | 95.5  |



#89  
 n-Butylbenzene  
 Concen: 46.082 ug/l  
 RT: 12.38 min Scan# 1886  
 Delta R.T. -0.00 min  
 Lab File: VX013866.D  
 Acq: 09 Dec 2019 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 55.0  | 27.4  | 82.2  |
| 134     | 27.4  | 13.5  | 40.4  |





#90

Hexachloroethane

Concen: 49.531 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

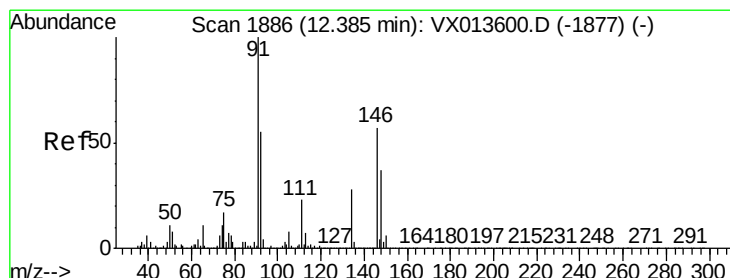
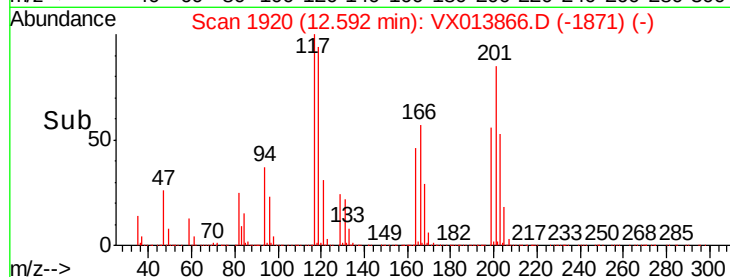
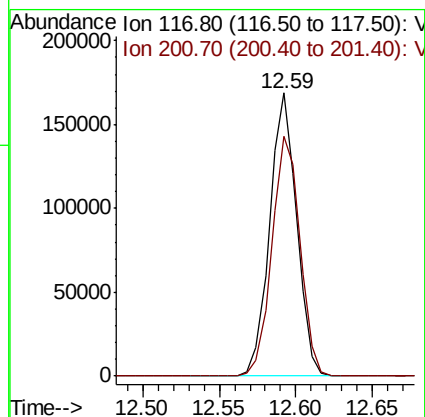
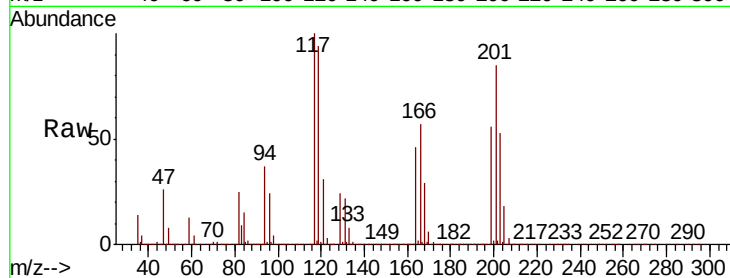
RE131D2-20191204MS

Tot Ion:117 Resp: 207622

Ion Ratio Lower Upper

117 100

201 87.9 44.1 132.4



#91

1,2-Dichlorobenzene

Concen: 49.006 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

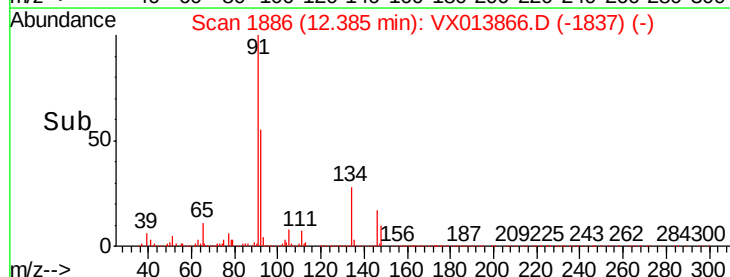
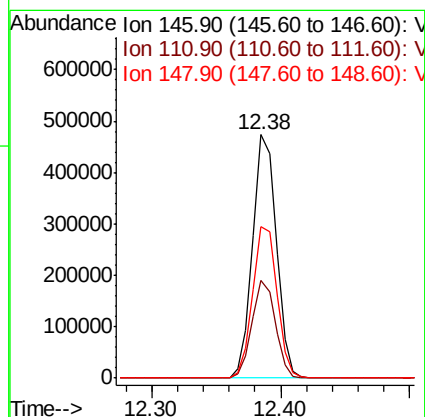
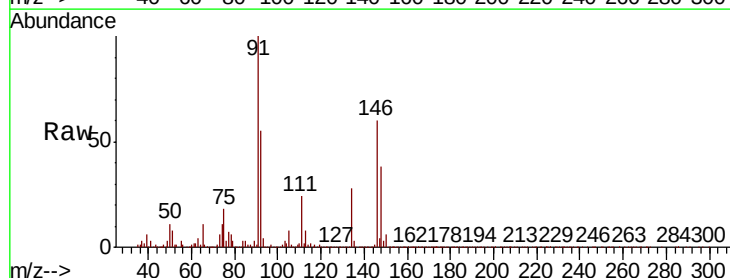
Tgt Ion:146 Resp: 597452

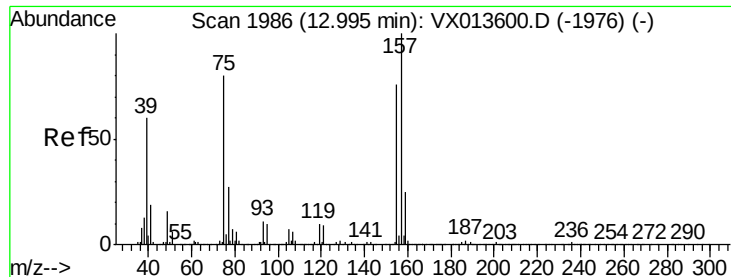
Ion Ratio Lower Upper

146 100

111 39.6 19.6 58.7

148 63.9 31.9 95.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 51.640 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

RE131D2-20191204MS

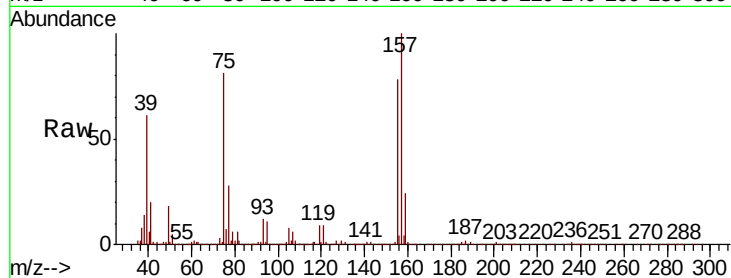
Tot Ion: 75 Resp: 102182

Ion Ratio Lower Upper

75 100

155 98.8 47.6 142.8

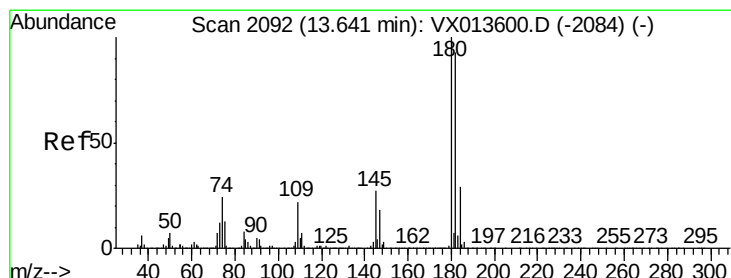
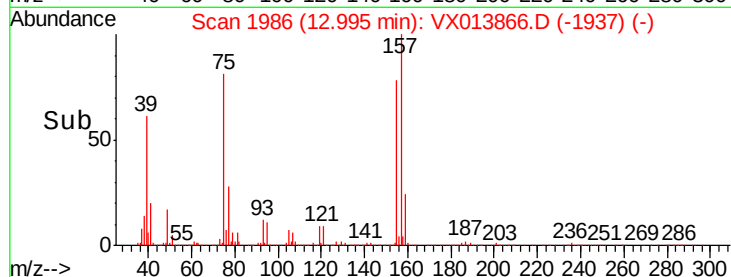
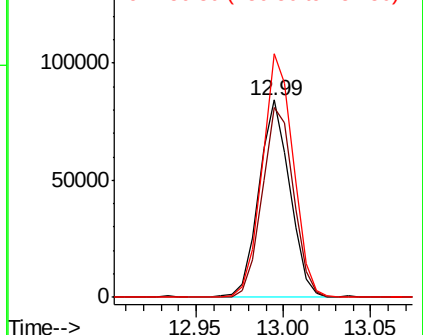
157 125.8 62.1 186.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 44.277 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

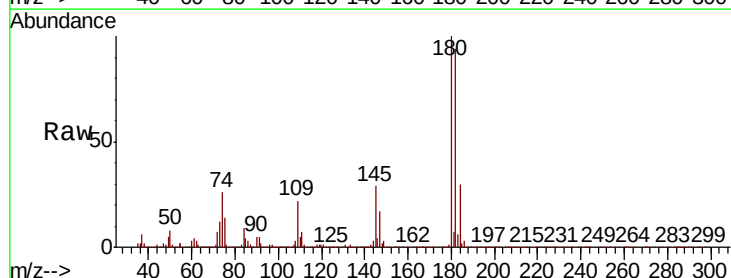
Tgt Ion:180 Resp: 376193

Ion Ratio Lower Upper

180 100

182 93.4 47.2 141.6

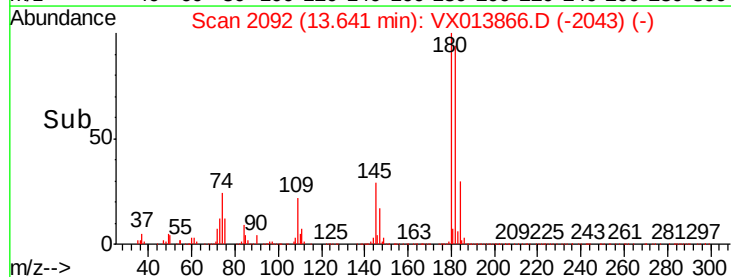
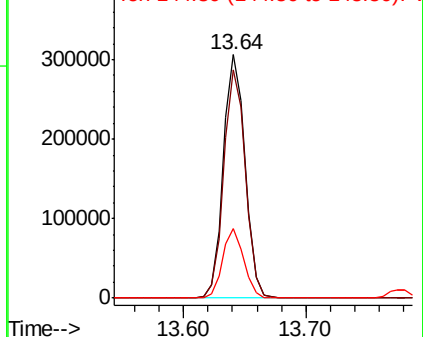
145 27.9 13.8 41.4

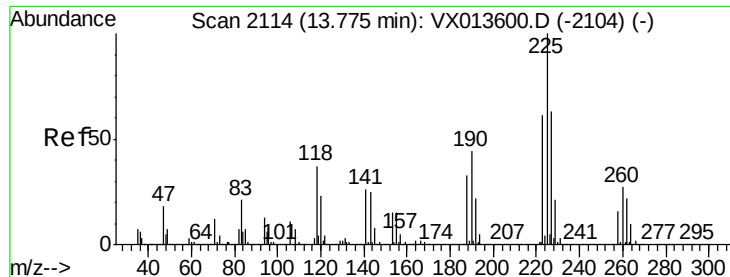


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 42.492 ug/l

RT: 13.78 min Scan# 2115

Delta R.T. 0.01 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

RE131D2-20191204MS

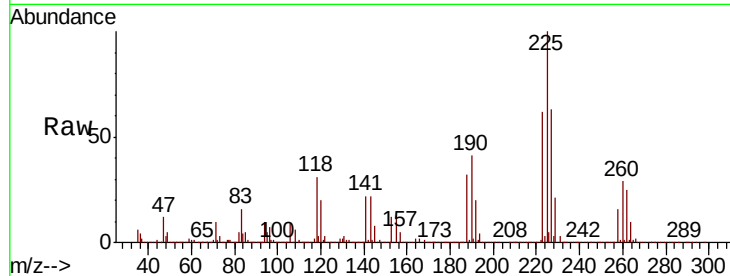
Tot Ion:225 Resp: 173433

Ion Ratio Lower Upper

225 100

223 63.1 31.9 95.5

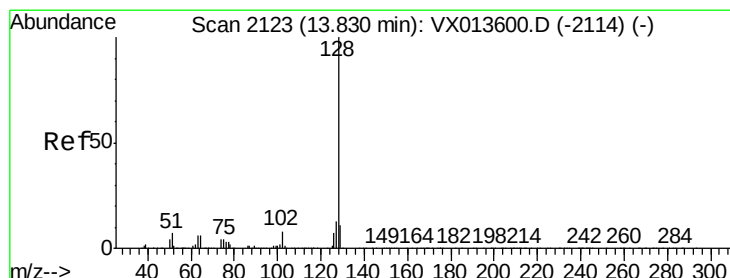
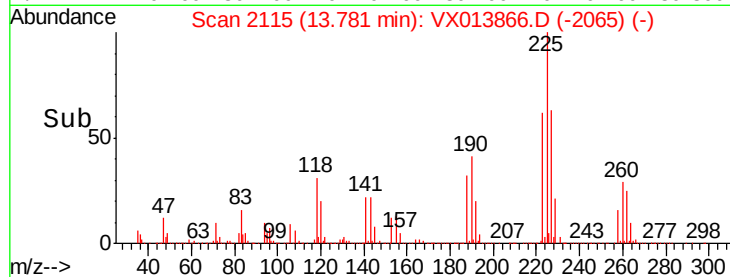
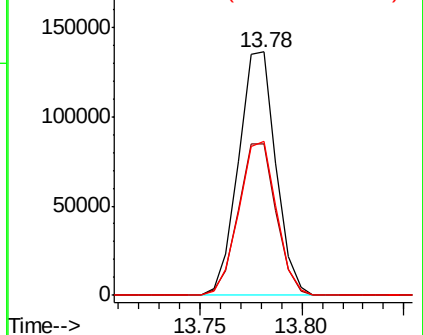
227 63.8 32.1 96.3



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: 48.064 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

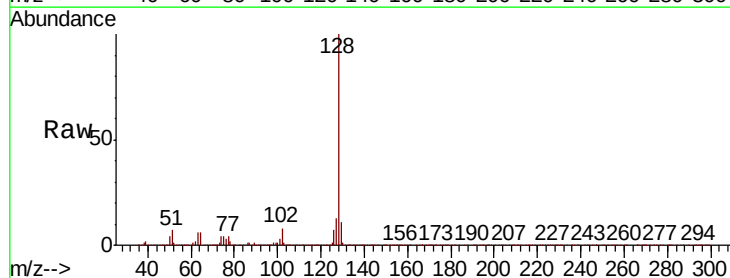
Tgt Ion:128 Resp: 1216148

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

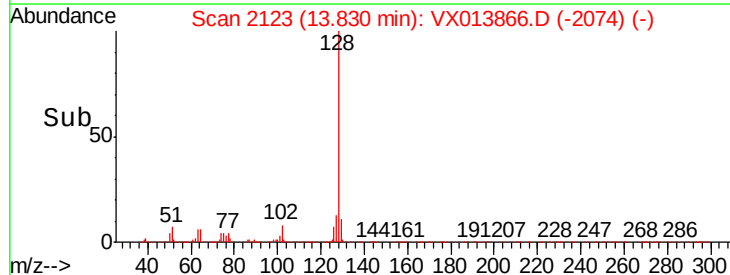
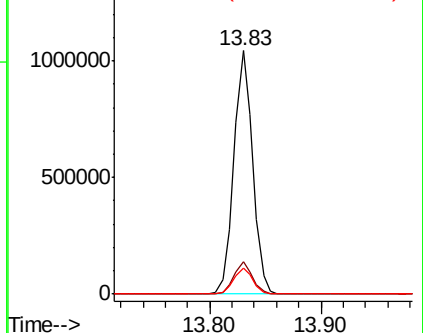
129 10.9 8.7 13.1

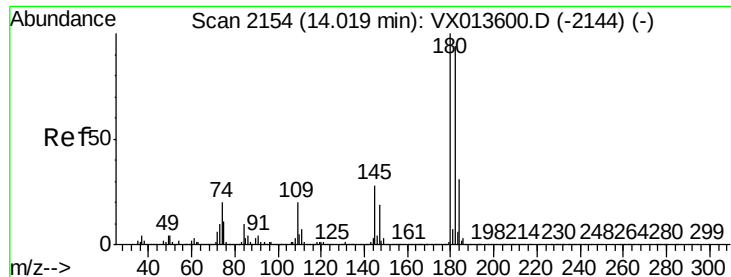


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 46.798 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VX013866.D

Acq: 09 Dec 2019 21:14

Instrument :

MSVOA\_X

ClientSampleId :

RE131D2-20191204MS

Tot Ion:180 Resp: 393689

Ion Ratio Lower Upper

180 100

182 93.9 47.6 142.8

145 29.9 15.0 45.0

