

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121719\  
 Data File : VN059623.D  
 Acq On : 17 Dec 2019 14:46  
 Operator : JC/SP  
 Sample : VN1217WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1217WBSD01

Quant Time: Dec 18 05:46:56 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 13 23:17:39 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 269025   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 436134   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 401570   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 187876   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 207228   | 52.94 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.88% |          |
| 35) Dibromofluoromethane    | 7.56  | 113  | 142246   | 52.13 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.26% |          |
| 50) Toluene-d8              | 10.08 | 98   | 554277   | 51.30 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.60% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 196674   | 49.89 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.78%  |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85   | 79308    | 22.814  | ug/l  | 99     |
| 3) Chloromethane              | 2.04 | 50   | 112760   | 20.440  | ug/l  | 100    |
| 4) Vinyl Chloride             | 2.17 | 62   | 109441   | 20.920  | ug/l  | 98     |
| 5) Bromomethane               | 2.55 | 94   | 60744    | 19.973  | ug/l  | 98     |
| 6) Chloroethane               | 2.68 | 64   | 61877    | 21.045  | ug/l  | 96     |
| 7) Trichlorofluoromethane     | 2.99 | 101  | 124407   | 21.674  | ug/l  | 98     |
| 8) Diethyl Ether              | 3.38 | 74   | 41526    | 23.155  | ug/l  | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.73 | 101  | 61213    | 21.162  | ug/l  | 98     |
| 10) Methyl Iodide             | 3.92 | 142  | 79512    | 20.764  | ug/l  | 99     |
| 11) Tert butyl alcohol        | 4.75 | 59   | 73573    | 102.513 | ug/l  | 99     |
| 12) 1,1-Dichloroethene        | 3.71 | 96   | 57128    | 20.246  | ug/l  | 96     |
| 13) Acrolein                  | 3.58 | 56   | 41417    | 81.013  | ug/l  | 98     |
| 14) Allyl chloride            | 4.29 | 41   | 118948   | 20.534  | ug/l  | 99     |
| 15) Acrylonitrile             | 4.95 | 53   | 193430   | 111.422 | ug/l  | 100    |
| 16) Acetone                   | 3.79 | 43   | 205493   | 88.415  | ug/l  | 99     |
| 17) Carbon Disulfide          | 4.02 | 76   | 180831   | 19.105  | ug/l  | 100    |
| 18) Methyl Acetate            | 4.29 | 43   | 106749   | 21.919  | ug/l  | 99     |
| 19) Methyl tert-butyl Ether   | 5.01 | 73   | 227193   | 22.804  | ug/l  | 99     |
| 20) Methylene Chloride        | 4.52 | 84   | 73800    | 21.986  | ug/l  | 98     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96   | 66157    | 21.031  | ug/l  | 99     |
| 22) Diisopropyl ether         | 5.92 | 45   | 248490   | 23.269  | ug/l  | 97     |
| 23) Vinyl Acetate             | 5.86 | 43   | 1050100  | 125.301 | ug/l  | 99     |
| 24) 1,1-Dichloroethane        | 5.82 | 63   | 135078   | 22.329  | ug/l  | 100    |
| 25) 2-Butanone                | 6.81 | 43   | 286283   | 103.006 | ug/l  | 100    |
| 26) 2,2-Dichloropropane       | 6.79 | 77   | 117864   | 21.438  | ug/l  | 100    |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96   | 76359    | 21.907  | ug/l  | 99     |
| 28) Bromochloromethane        | 7.17 | 49   | 54126    | 21.563  | ug/l  | 99     |
| 29) Tetrahydrofuran           | 7.18 | 42   | 187397   | 110.664 | ug/l  | 99     |
| 30) Chloroform                | 7.35 | 83   | 133551   | 22.429  | ug/l  | 98     |
| 31) Cyclohexane               | 7.63 | 56   | 118151   | 20.671  | ug/l  | 97     |
| 32) 1,1,1-Trichloroethane     | 7.54 | 97   | 113527   | 21.148  | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 7.77 | 75   | 98496    | 21.656  | ug/l  | 99     |
| 37) Ethyl Acetate             | 6.90 | 43   | 118775   | 22.469  | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 7.75 | 117  | 100535   | 21.302  | ug/l  | 99     |

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 Sample : VN1217WBSD01  
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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1217WBSD01

Quant Time: Dec 18 05:46:56 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 13 23:17:39 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.06  | 83   | 107740   | 20.884  | ug/l   | 98       |
| 40) Benzene                    | 8.02  | 78   | 291280   | 21.914  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.18  | 41   | 170814   | 78.296  | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 117269   | 23.038  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.14  | 43   | 182441   | 22.198  | ug/l   | 99       |
| 44) Trichloroethene            | 8.82  | 130  | 75296    | 21.627  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 80268    | 22.363  | ug/l   | 98       |
| 46) Dibromomethane             | 9.19  | 93   | 52597    | 22.367  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.39  | 83   | 105671   | 22.539  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.18  | 41   | 82023    | 21.997  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 24172    | 452.352 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 567952   | 115.904 | ug/l   | 100      |
| 52) Toluene                    | 10.14 | 92   | 176172   | 21.571  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 122314   | 22.558  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 127096   | 22.299  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 72696    | 22.684  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 105724   | 22.222  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 127838   | 22.910  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 200137   | 132.271 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.74 | 43   | 417064   | 107.992 | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.90 | 129  | 79879    | 22.838  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 74754    | 21.995  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.62 | 164  | 70624    | 18.866  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 186248   | 21.435  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 72677    | 22.021  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 336567   | 21.459  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 247906   | 42.804  | ug/l   | 98       |
| 69) o-Xylene                   | 11.94 | 106  | 117416   | 21.307  | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 186678   | 21.084  | ug/l   | 99       |
| 71) Bromoform                  | 12.12 | 173  | 55997    | 22.571  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 312312   | 21.176  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 146637   | 21.675  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 102937   | 22.003  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 150453   | 32.349  | ug/l # | 100      |
| 77) Bromobenzene               | 12.52 | 156  | 76562    | 21.109  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 370891   | 21.274  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 222938   | 21.148  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 268742   | 21.532  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 39464    | 20.957  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 229830   | 21.293  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 220664   | 20.877  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 269521   | 21.718  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 297834   | 21.184  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 267396   | 20.999  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 137277   | 20.583  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 136308   | 20.271  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 243943   | 20.433  | ug/l   | 98       |
| 90) Hexachloroethane           | 13.87 | 117  | 51695    | 21.477  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 134437   | 20.439  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 24880    | 20.069  | ug/l   | 96       |

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Operator : JC/SP  
Sample : VN1217WBSD01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 6 Sample Multiplier: 1

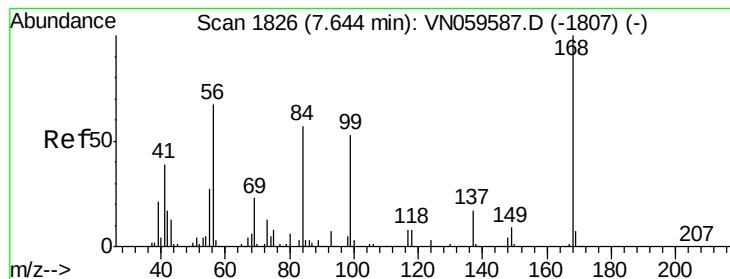
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1217WBSD01

Quant Time: Dec 18 05:46:56 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121319W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 13 23:17:39 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 81465    | 19.181 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 42335    | 19.408 | ug/l  | 99       |
| 95) Naphthalene            | 15.12 | 128  | 250616   | 19.766 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.29 | 180  | 84346    | 19.635 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

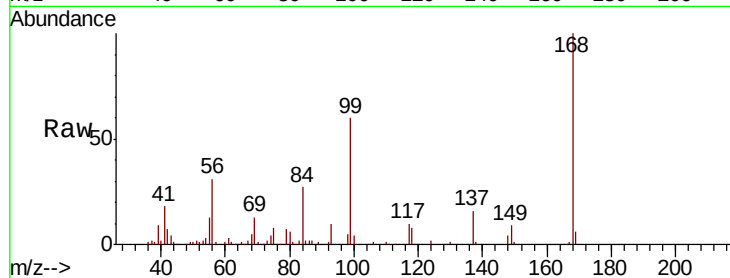
VN1217WBSD01

Tot Ion:168 Resp: 269025

Ion Ratio Lower Upper

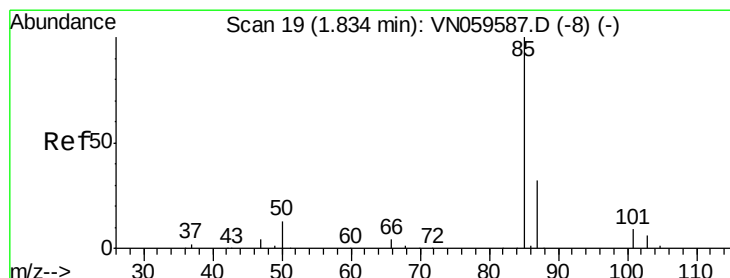
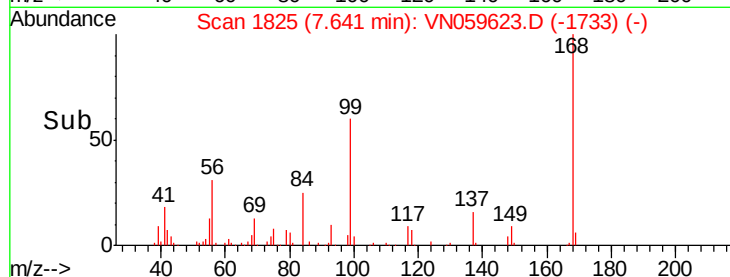
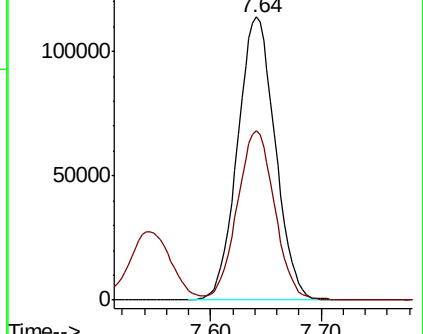
168 100

99 59.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 22.814 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059623.D

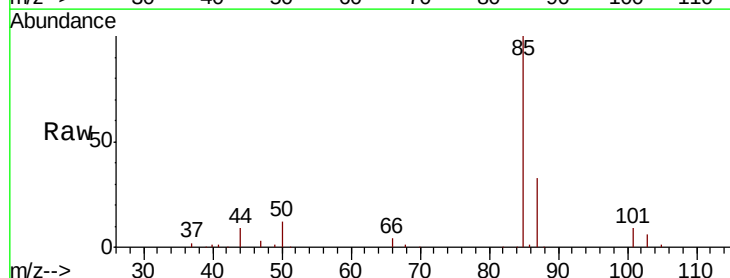
Acq: 17 Dec 2019 14:46

Tgt Ion: 85 Resp: 79308

Ion Ratio Lower Upper

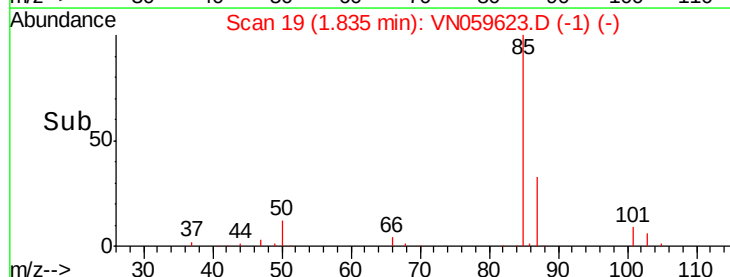
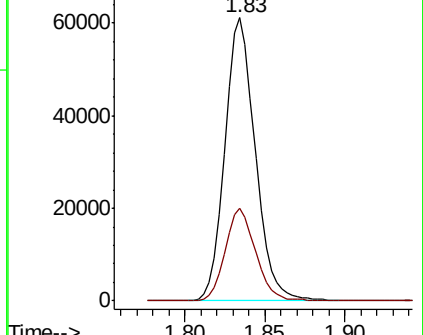
85 100

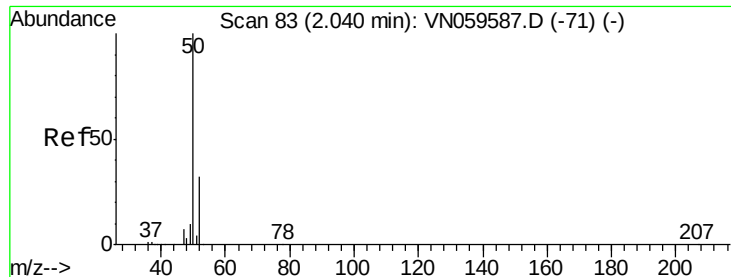
87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 20.440 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

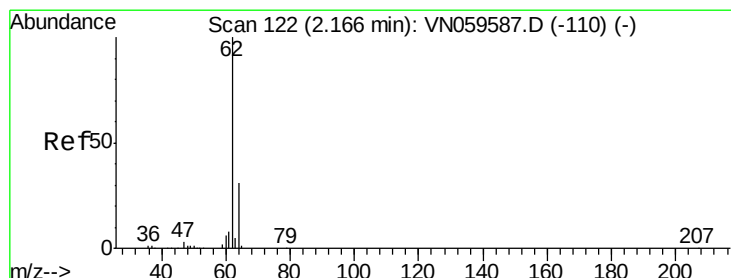
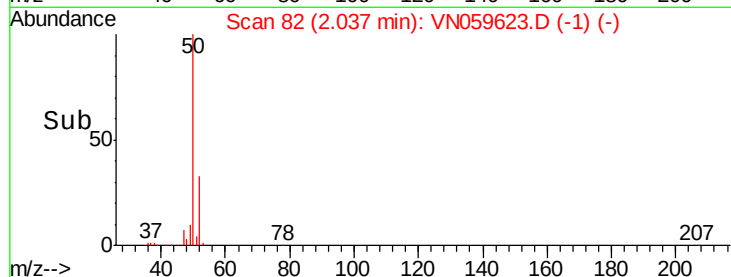
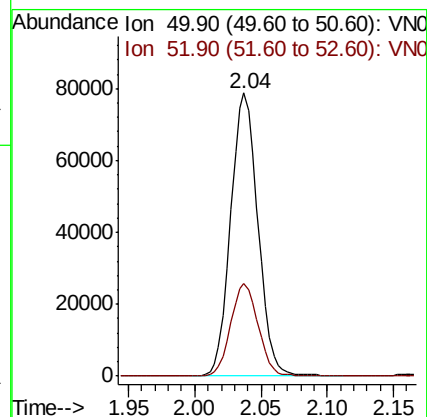
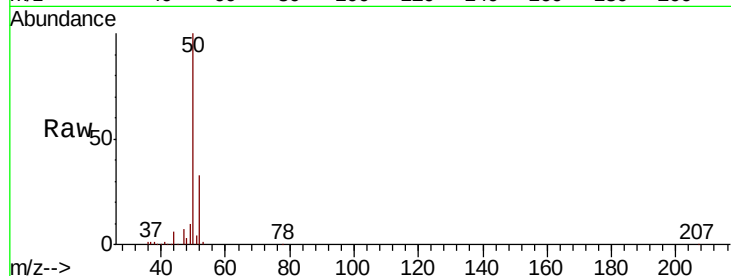
VN1217WBSD01

Tot Ion: 50 Resp: 112760

Ion Ratio Lower Upper

50 100

52 32.5 25.9 38.9



#4

Vinyl Chloride

Concen: 20.920 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059623.D

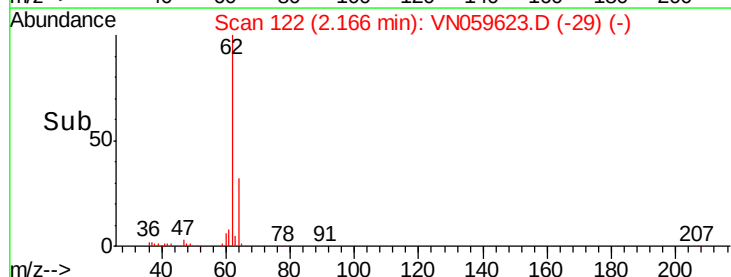
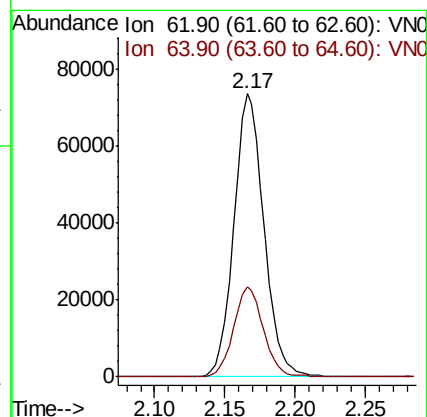
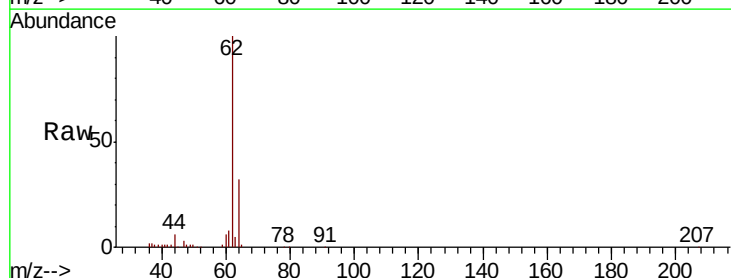
Acq: 17 Dec 2019 14:46

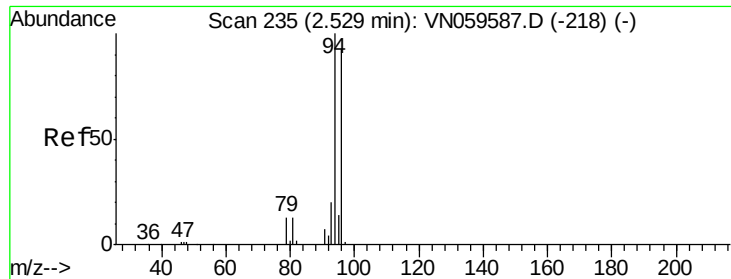
Tgt Ion: 62 Resp: 109441

Ion Ratio Lower Upper

62 100

64 31.6 24.6 37.0





#5

Bromomethane

Concen: 19.973 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

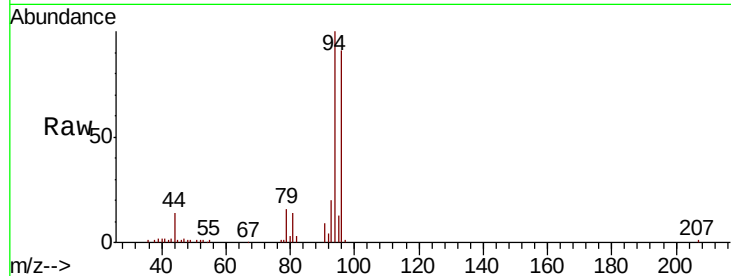
VN1217WBSD01

Tot Ion: 94 Resp: 60744

Ion Ratio Lower Upper

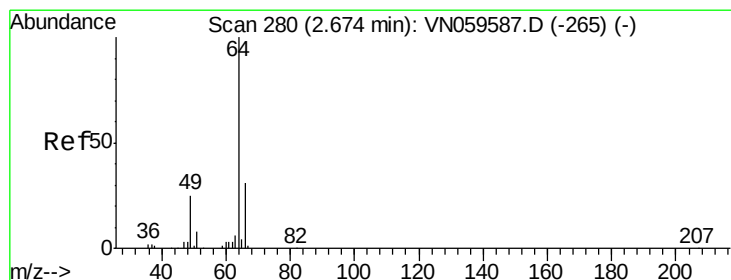
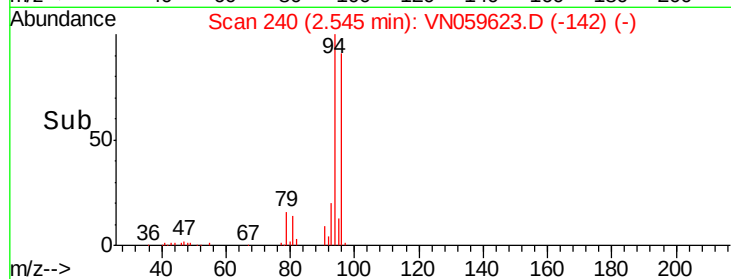
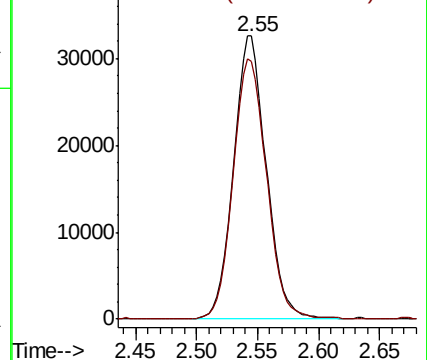
94 100

96 91.0 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.045 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN059623.D

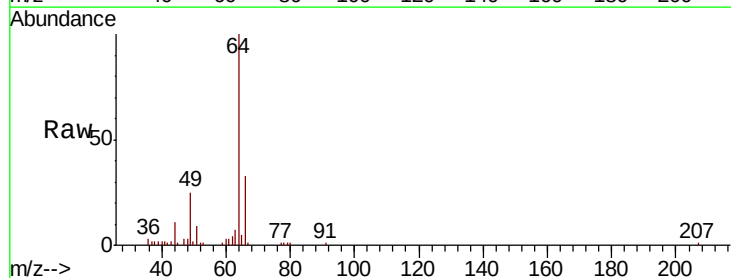
Acq: 17 Dec 2019 14:46

Tgt Ion: 64 Resp: 61877

Ion Ratio Lower Upper

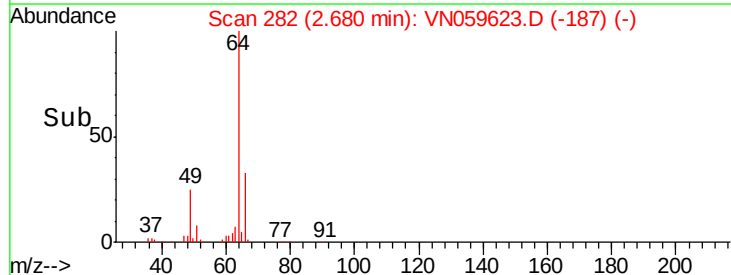
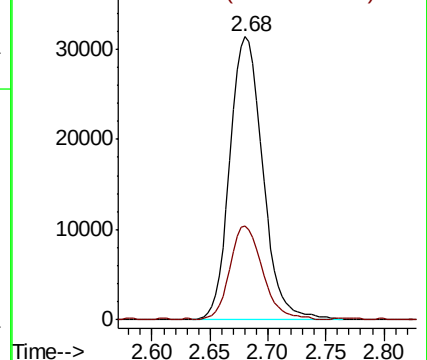
64 100

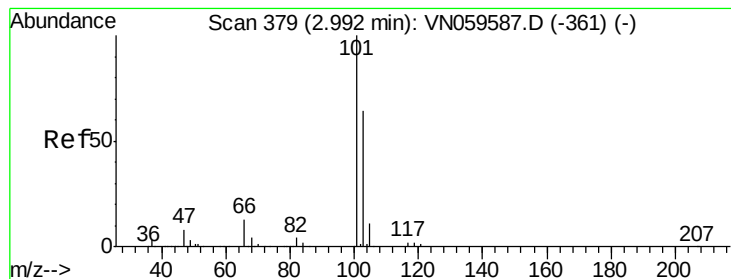
66 33.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



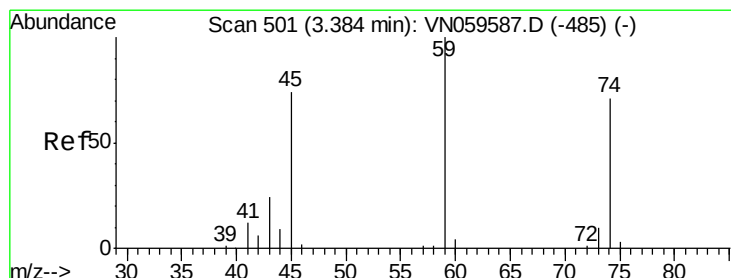
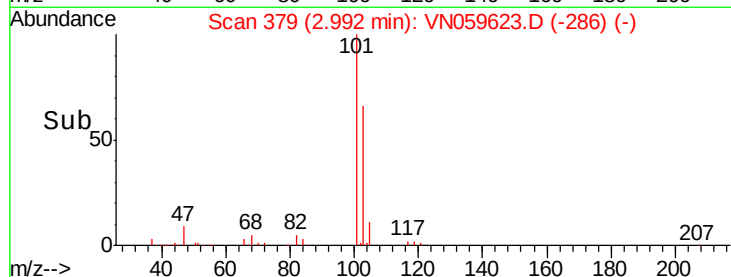
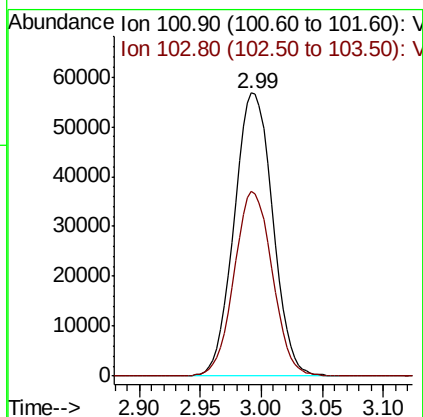
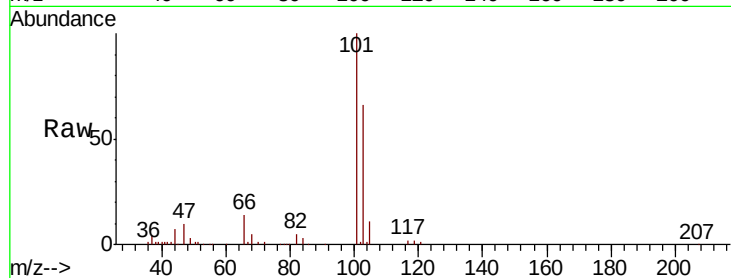


#7

Trichlorofluoromethane  
 Concen: 21.674 ug/l  
 RT: 2.99 min Scan# 379  
 Delta R.T. 0.00 min  
 Lab File: VN059623.D  
 Acq: 17 Dec 2019 14:46

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1217WBSD01

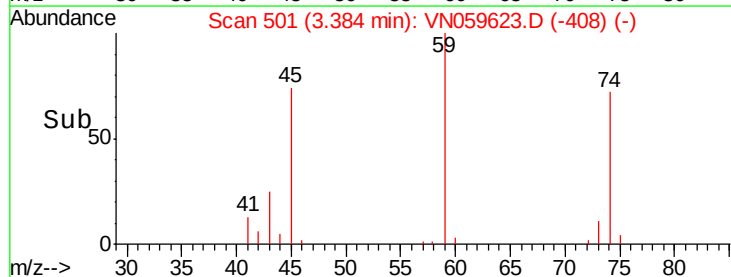
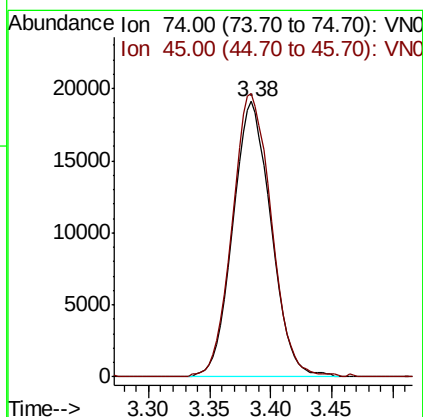
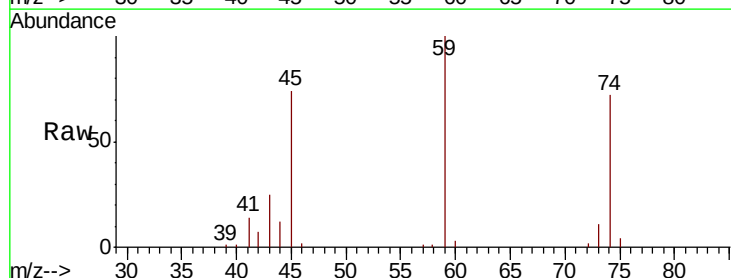
Tot Ion:101 Resp: 124407  
 Ion Ratio Lower Upper  
 101 100  
 103 65.5 51.0 76.6



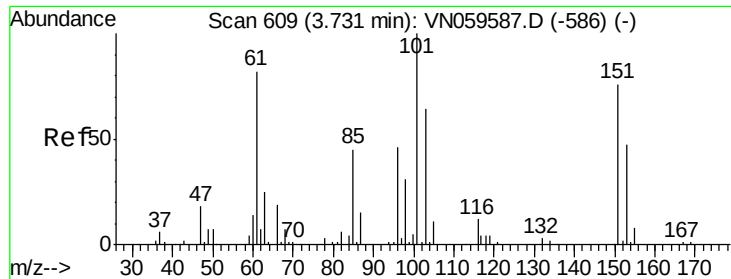
#8

Diethyl Ether  
 Concen: 23.155 ug/l  
 RT: 3.38 min Scan# 501  
 Delta R.T. 0.00 min  
 Lab File: VN059623.D  
 Acq: 17 Dec 2019 14:46

Tgt Ion: 74 Resp: 41526  
 Ion Ratio Lower Upper  
 74 100  
 45 105.2 51.9 155.8







#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.162 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

VN1217WBSD01

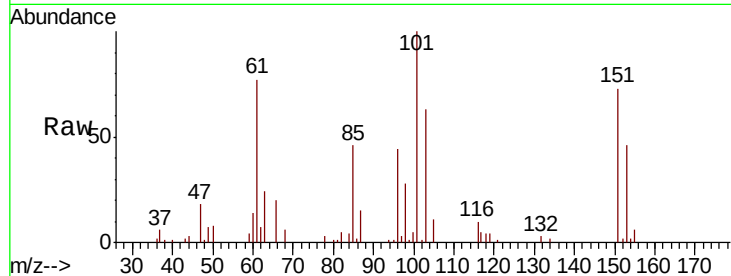
Tot Ion:101 Resp: 61213

Ion Ratio Lower Upper

101 100

85 46.2 36.6 54.8

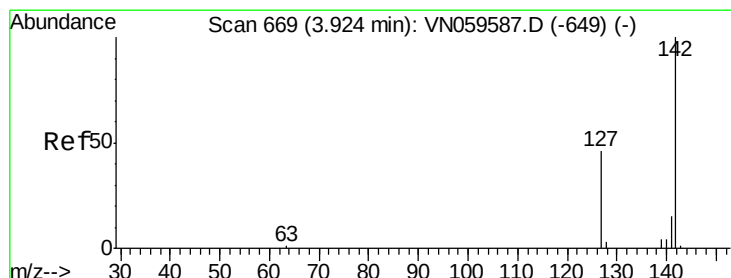
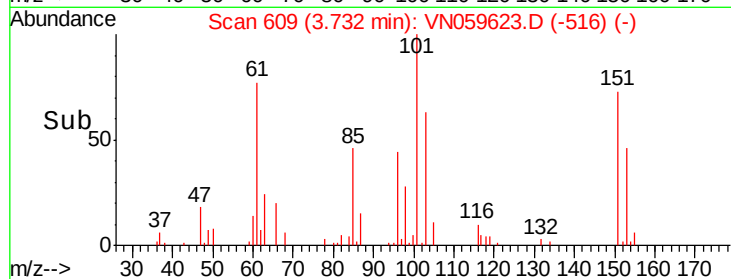
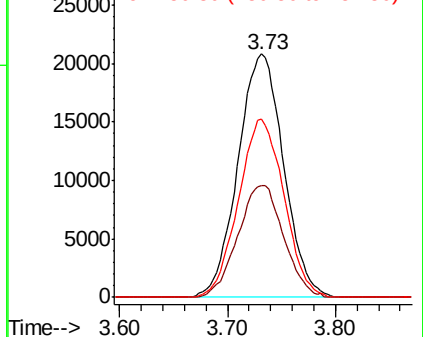
151 72.8 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.764 ug/l

RT: 3.92 min Scan# 669

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

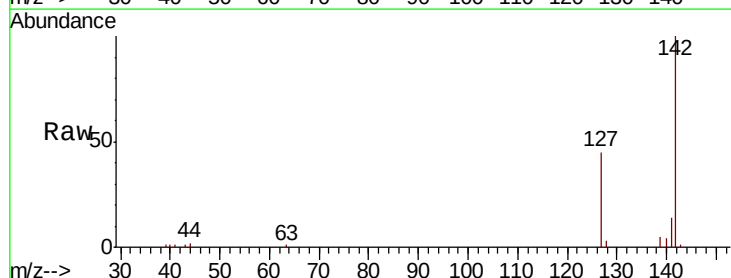
Tgt Ion:142 Resp: 79512

Ion Ratio Lower Upper

142 100

127 46.2 36.7 55.1

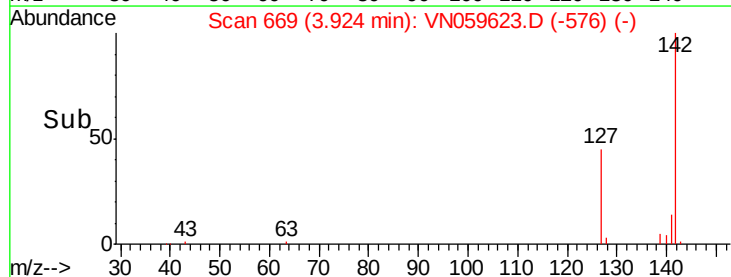
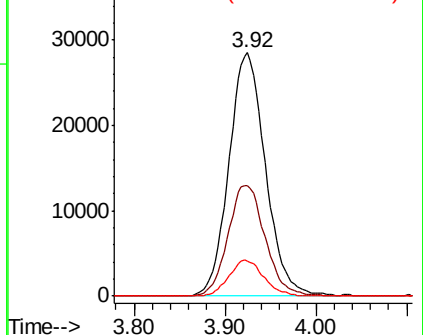
141 14.1 11.7 17.5

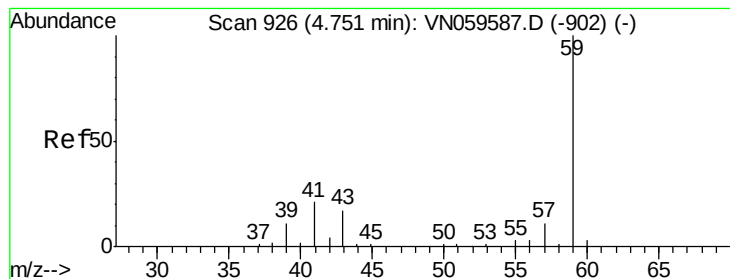


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



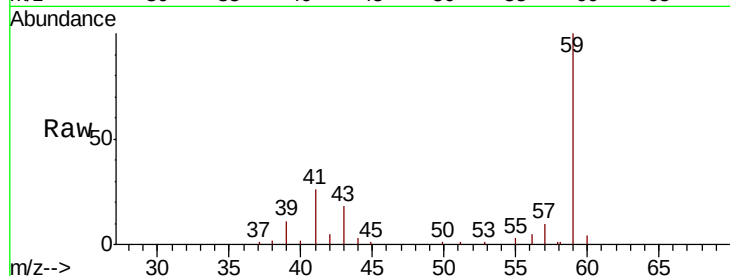


#11

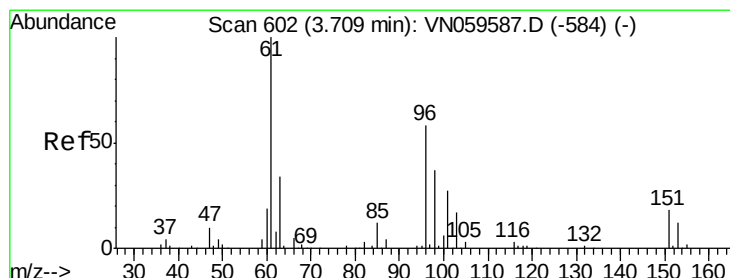
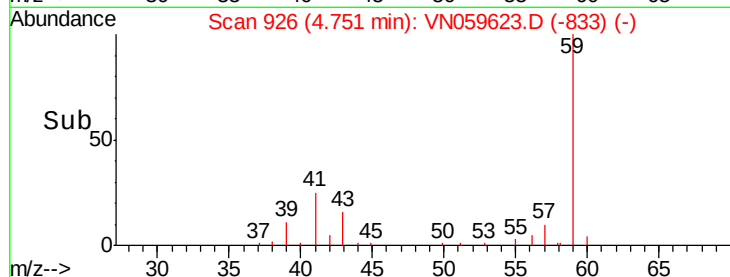
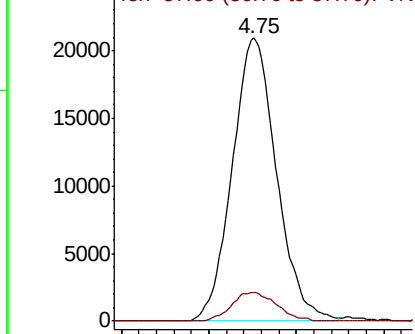
Tert butyl alcohol  
 Concen: 102.513 ug/l  
 RT: 4.75 min Scan# 926  
 Delta R.T. 0.00 min  
 Lab File: VN059623.D  
 Acq: 17 Dec 2019 14:46

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1217WBSD01

Tot Ion: 59 Resp: 73573  
 Ion Ratio Lower Upper  
 59 100  
 57 10.4 8.6 12.8



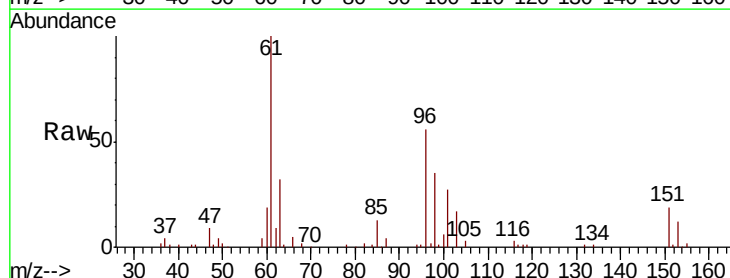
Abundance Ion 59.00 (58.70 to 59.70): VN0  
 Ion 57.00 (56.70 to 57.70): VN0



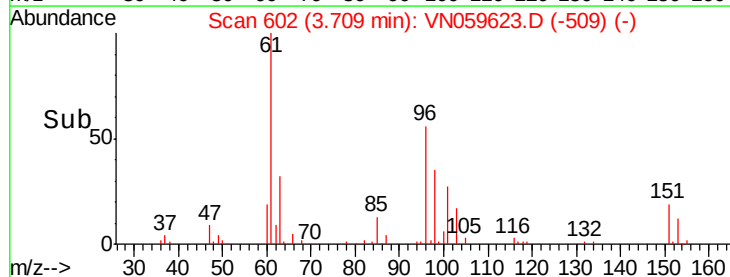
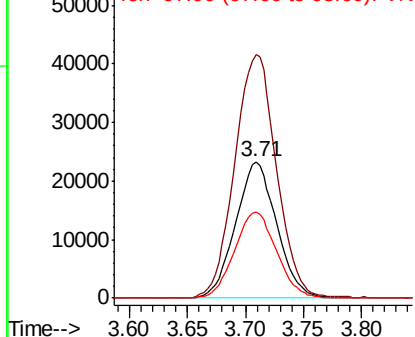
#12

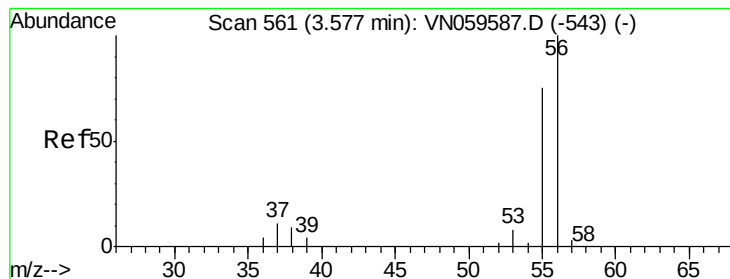
1,1-Dichloroethene  
 Concen: 20.246 ug/l  
 RT: 3.71 min Scan# 602  
 Delta R.T. 0.00 min  
 Lab File: VN059623.D  
 Acq: 17 Dec 2019 14:46

Tgt Ion: 96 Resp: 57128  
 Ion Ratio Lower Upper  
 96 100  
 61 178.6 137.5 206.3  
 98 63.3 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VN0  
 Ion 60.90 (60.60 to 61.60): VN0  
 Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 81.013 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

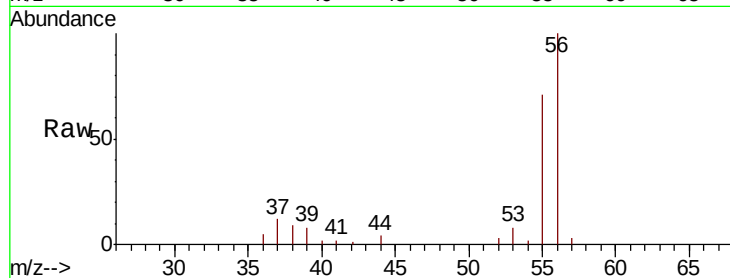
VN1217WBSD01

Tot Ion: 56 Resp: 41417

Ion Ratio Lower Upper

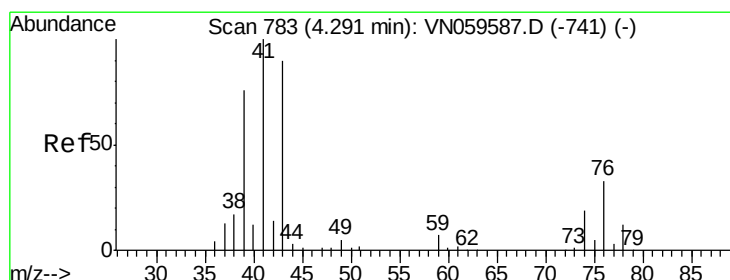
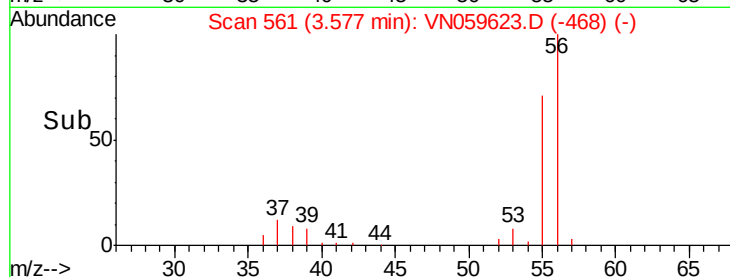
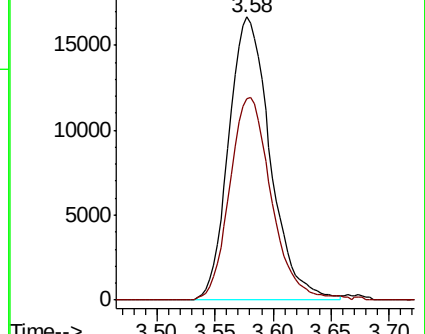
56 100

55 71.7 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.534 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

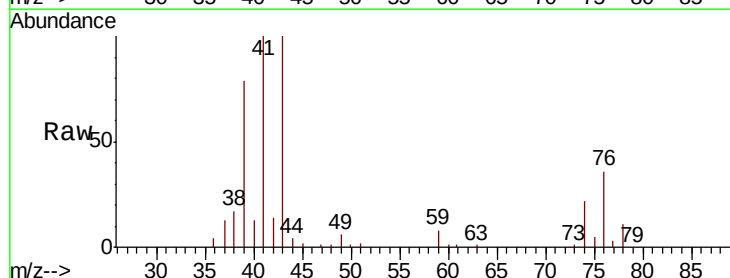
Tgt Ion: 41 Resp: 118948

Ion Ratio Lower Upper

41 100

39 72.1 57.8 86.8

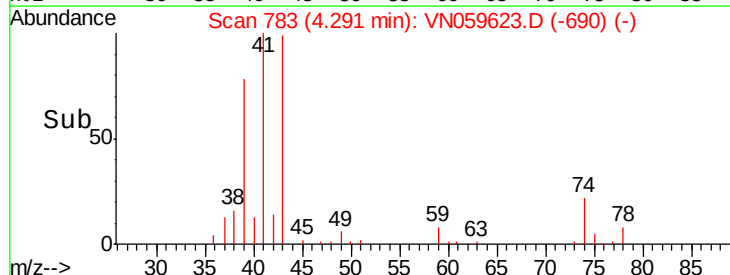
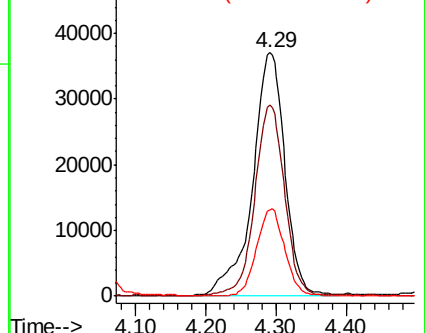
76 31.0 25.4 38.0

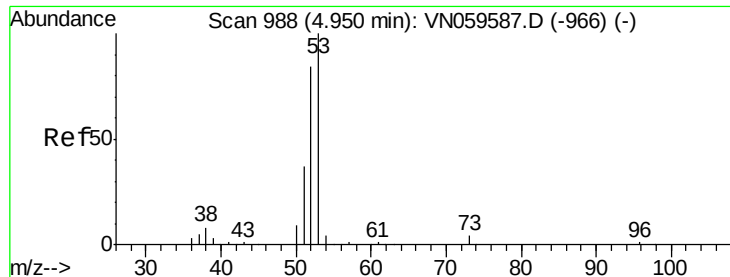


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 111.422 ug/l

RT: 4.95 min Scan# 988

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

VN1217WBSD01

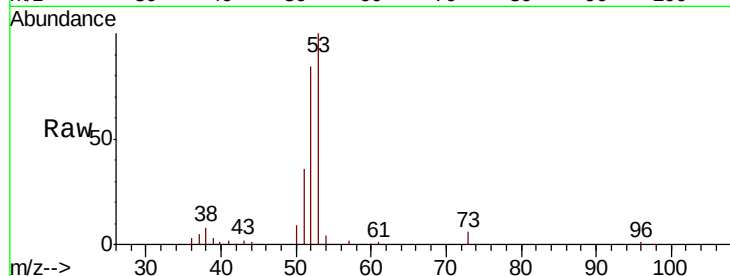
Tot Ion: 53 Resp: 193430

Ion Ratio Lower Upper

53 100

52 83.0 66.3 99.5

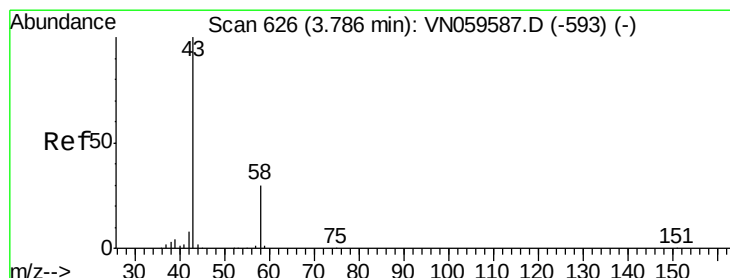
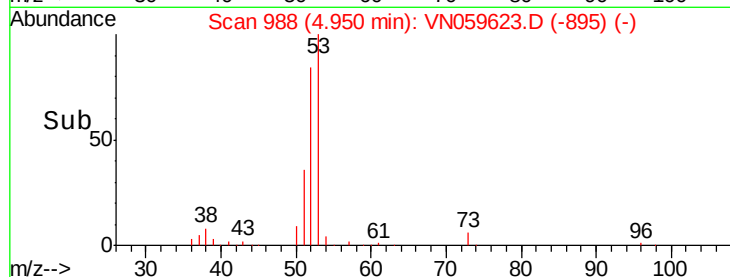
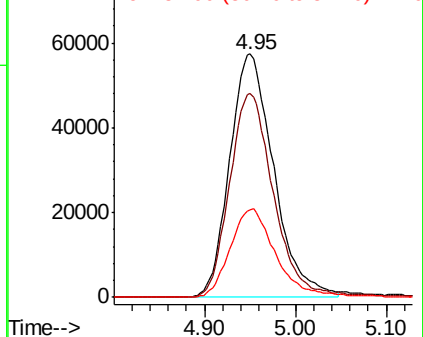
51 37.4 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN059587.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059587.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059587.D (-966) (-)



#16

Acetone

Concen: 88.415 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.00 min

Lab File: VN059623.D

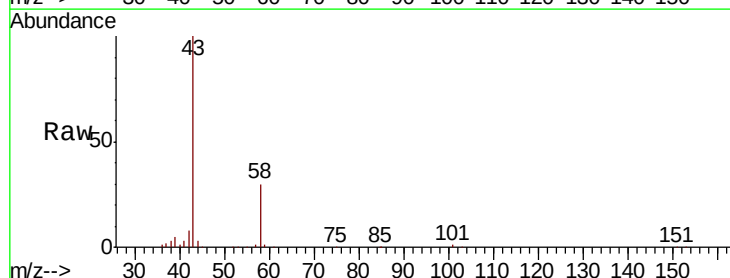
Acq: 17 Dec 2019 14:46

Tgt Ion: 43 Resp: 205493

Ion Ratio Lower Upper

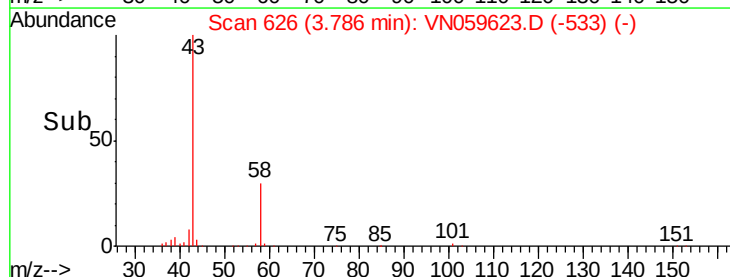
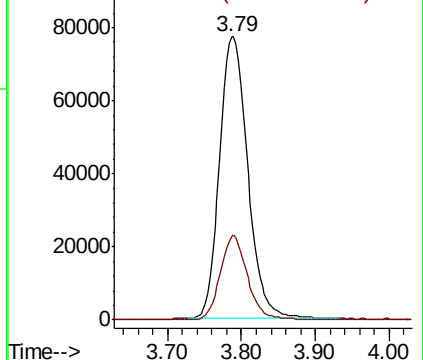
43 100

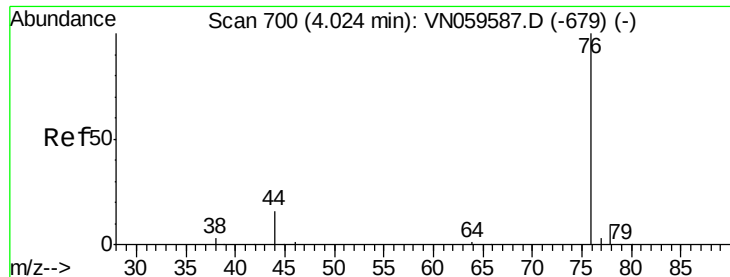
58 29.8 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-593) (-)

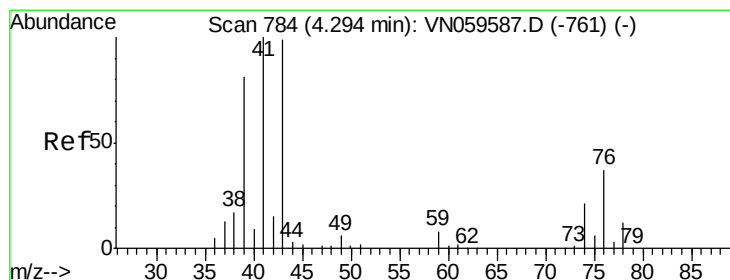
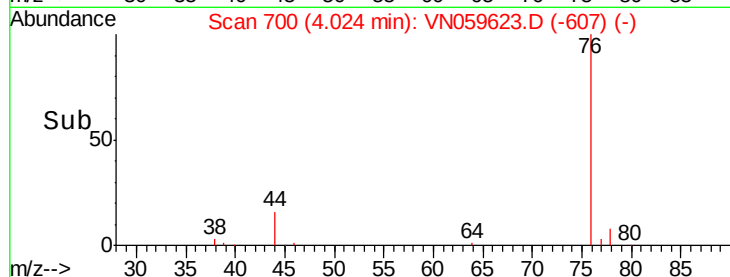
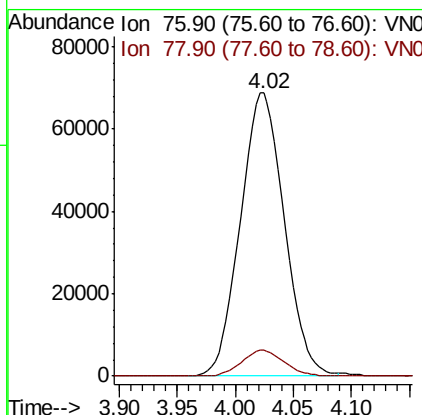
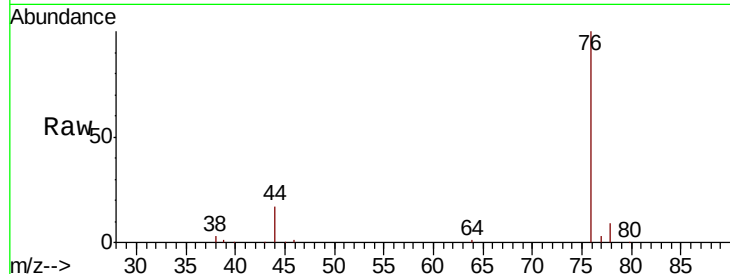




#17  
Carbon Disulfide  
Concen: 19.105 ug/l  
RT: 4.02 min Scan# 700  
Delta R.T. 0.00 min  
Lab File: VN059623.D  
Acq: 17 Dec 2019 14:46

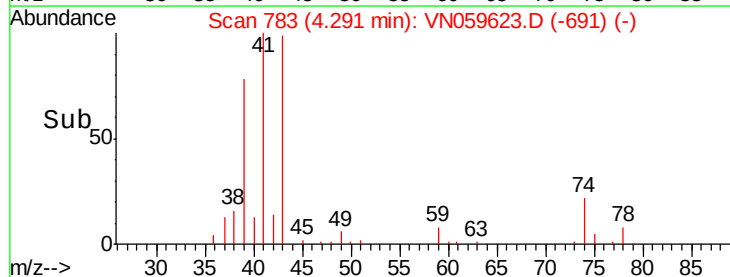
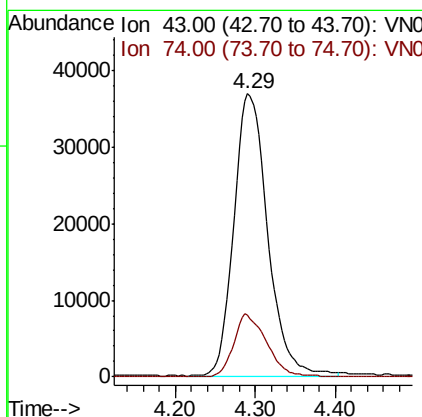
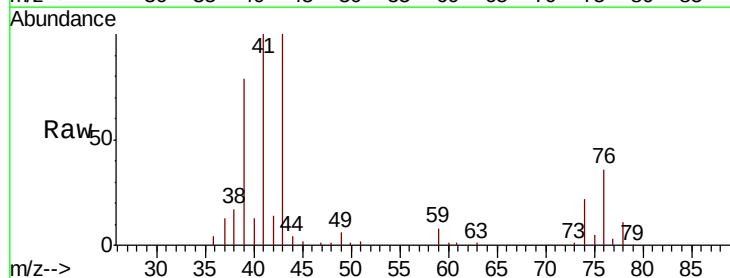
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1217WBSD01

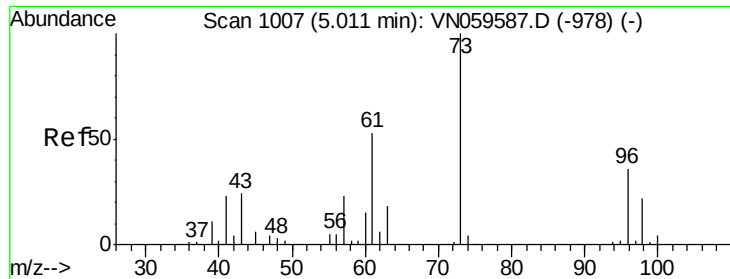
Tot Ion: 76 Resp: 180831  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.4 11.0



#18  
Methyl Acetate  
Concen: 21.919 ug/l  
RT: 4.29 min Scan# 783  
Delta R.T. -0.00 min  
Lab File: VN059623.D  
Acq: 17 Dec 2019 14:46

Tgt Ion: 43 Resp: 106749  
Ion Ratio Lower Upper  
43 100  
74 21.4 17.5 26.3

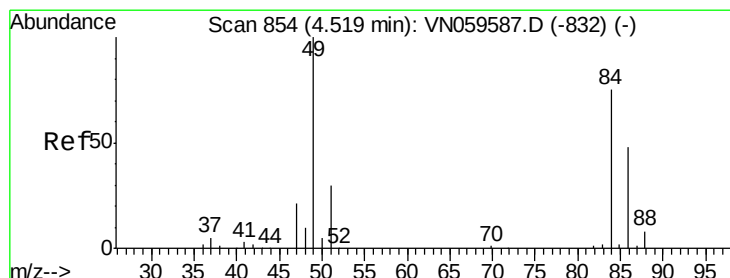
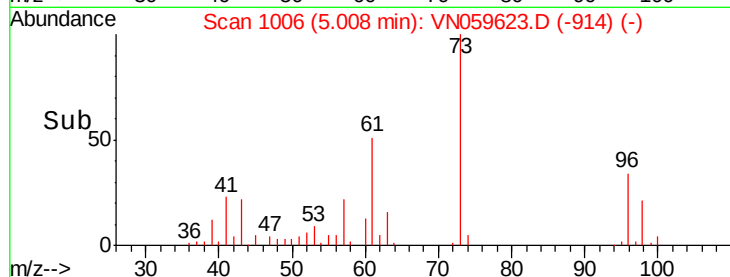
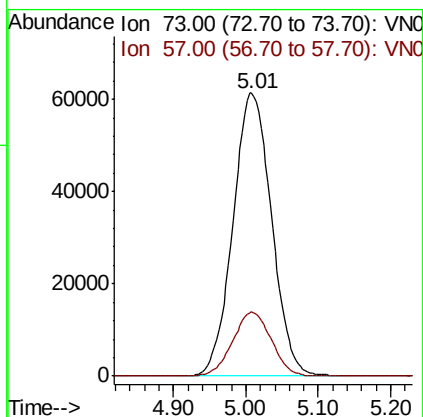
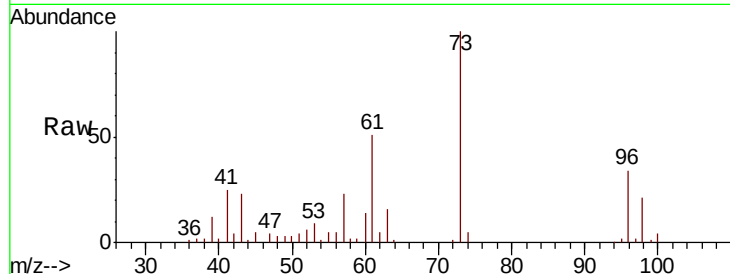




#19  
Methyl tert-butyl Ether  
Concen: 22.804 ug/l  
RT: 5.01 min Scan# 1006  
Delta R.T. -0.00 min  
Lab File: VN059623.D  
Acq: 17 Dec 2019 14:46

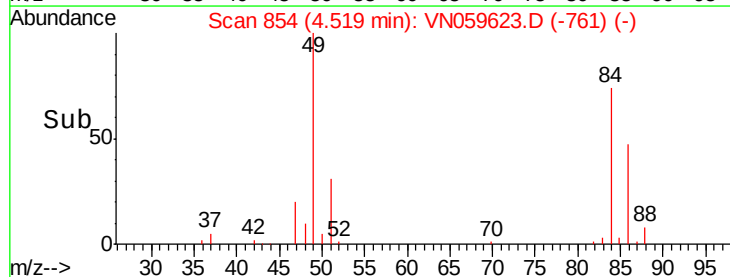
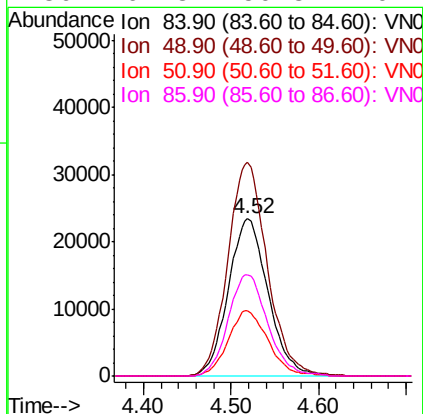
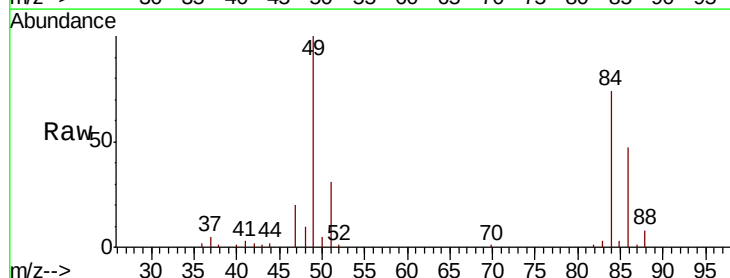
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1217WBSD01

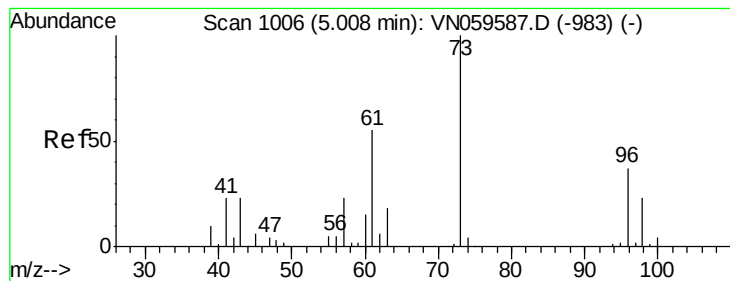
Tot Ion: 73 Resp: 227193  
Ion Ratio Lower Upper  
73 100  
57 22.6 18.6 27.8



#20  
Methylene Chloride  
Concen: 21.986 ug/l  
RT: 4.52 min Scan# 854  
Delta R.T. 0.00 min  
Lab File: VN059623.D  
Acq: 17 Dec 2019 14:46

Tgt Ion: 84 Resp: 73800  
Ion Ratio Lower Upper  
84 100  
49 135.8 106.6 160.0  
51 41.7 31.9 47.9  
86 64.3 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 21.031 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

VN1217WBSD01

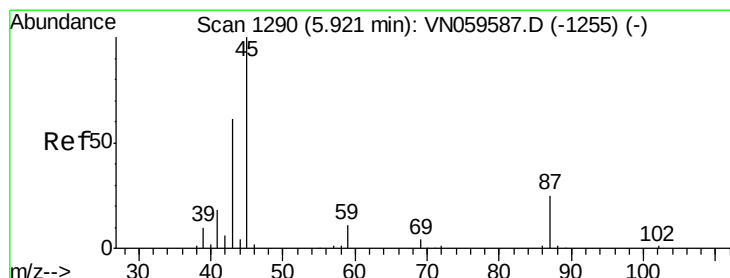
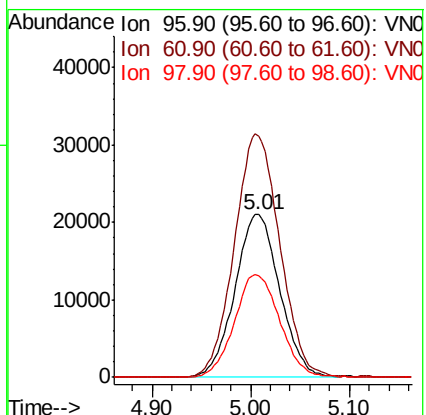
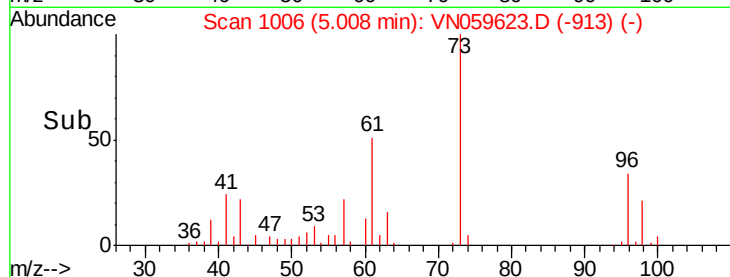
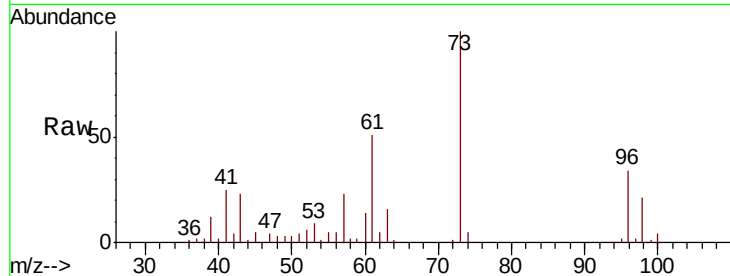
Tot Ion: 96 Resp: 66157

Ion Ratio Lower Upper

96 100

61 148.2 120.4 180.6

98 62.8 50.6 75.8



#22

Diisopropyl ether

Concen: 23.269 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Tgt Ion: 45 Resp: 248490

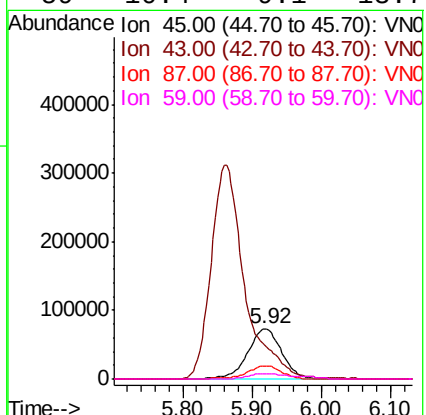
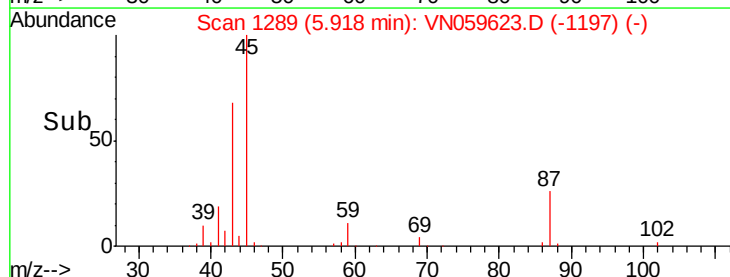
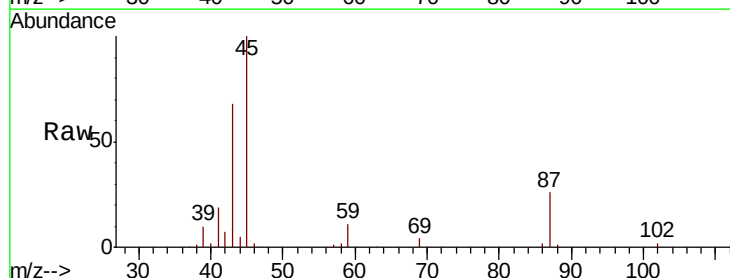
Ion Ratio Lower Upper

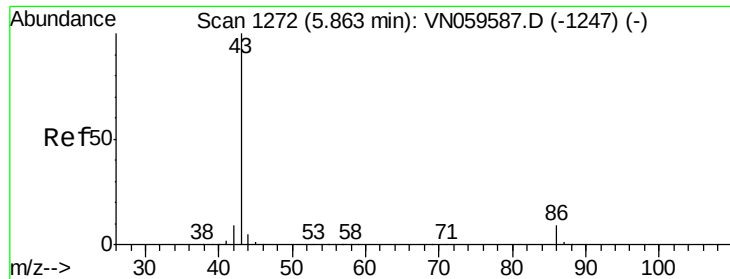
45 100

43 66.2 50.8 76.2

87 26.4 21.0 31.6

59 10.4 9.1 13.7





#23

Vinyl Acetate

Concen: 125.301 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

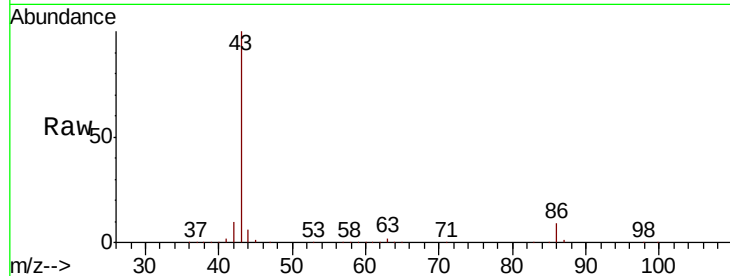
VN1217WBSD01

Tot Ion: 43 Resp: 1050100

Ion Ratio Lower Upper

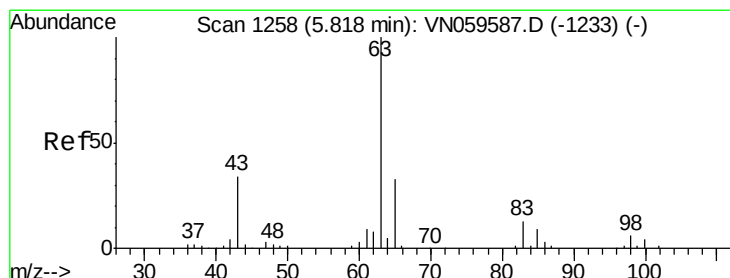
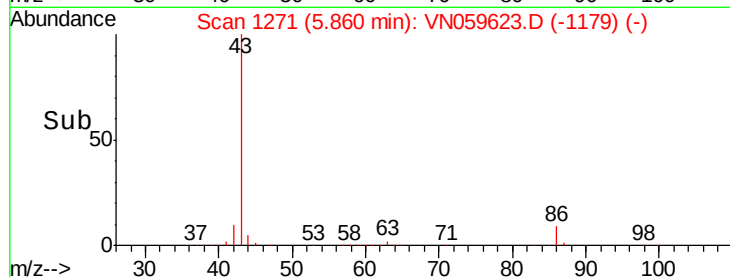
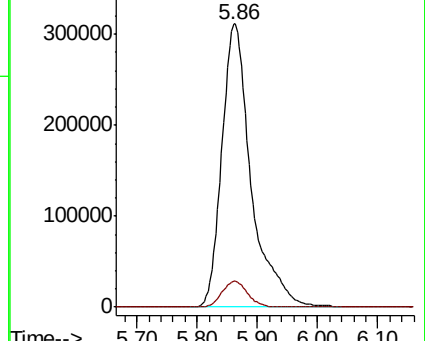
43 100

86 9.3 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 22.329 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

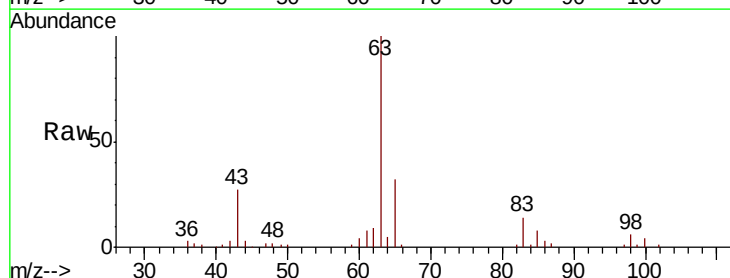
Tgt Ion: 63 Resp: 135078

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.7

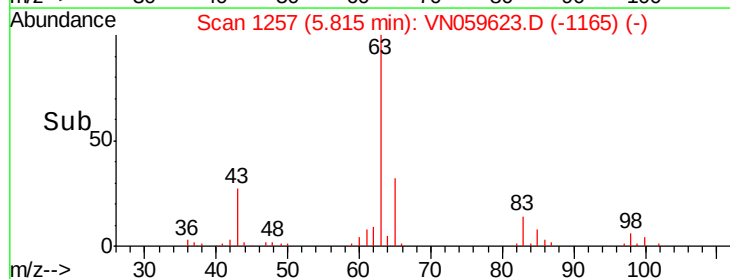
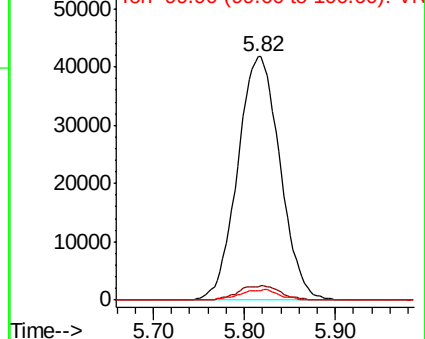
100 4.0 2.0 6.0



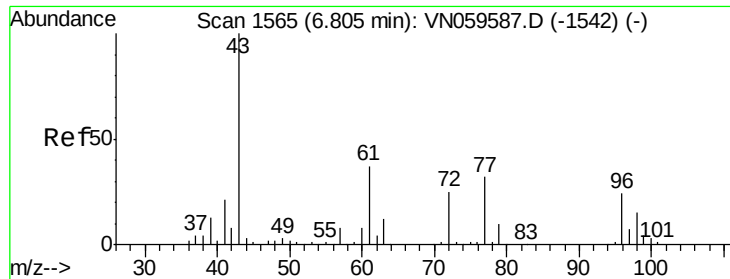
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0







#25

2-Butanone

Concen: 103.006 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampled :

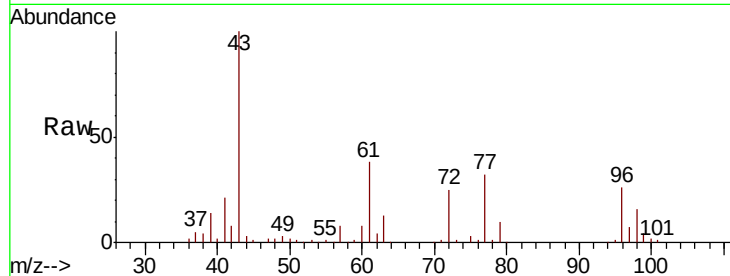
VN1217WBSD01

Tot Ion: 43 Resp: 286283

Ion Ratio Lower Upper

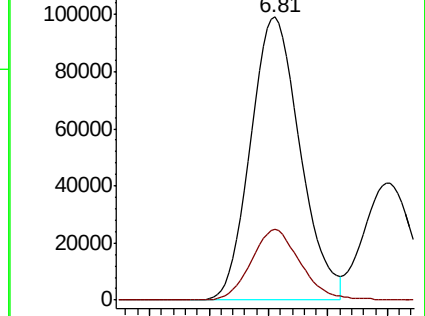
43 100

72 25.0 19.9 29.9

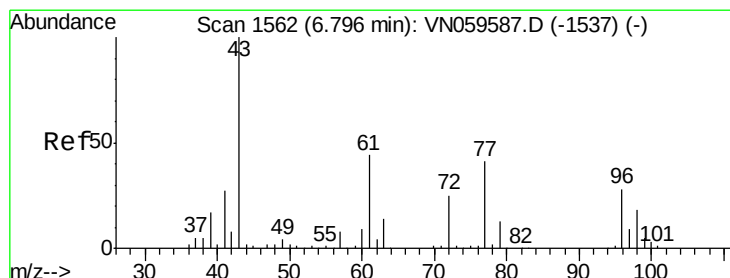
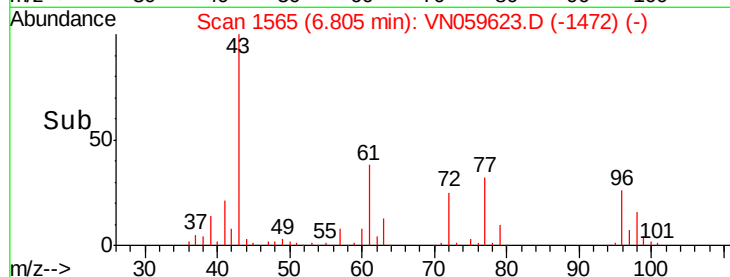


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#26

2,2-Dichloropropane

Concen: 21.438 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059623.D

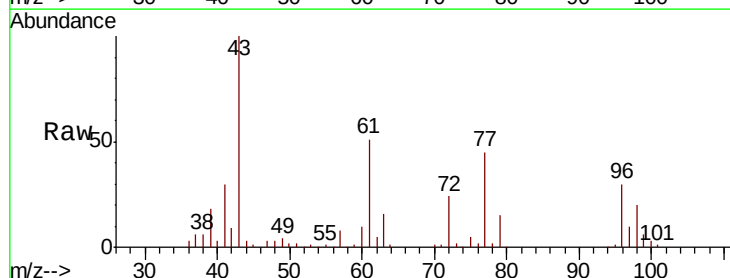
Acq: 17 Dec 2019 14:46

Tgt Ion: 77 Resp: 117864

Ion Ratio Lower Upper

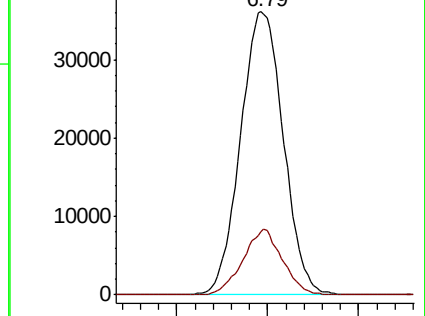
77 100

97 21.3 10.7 31.9

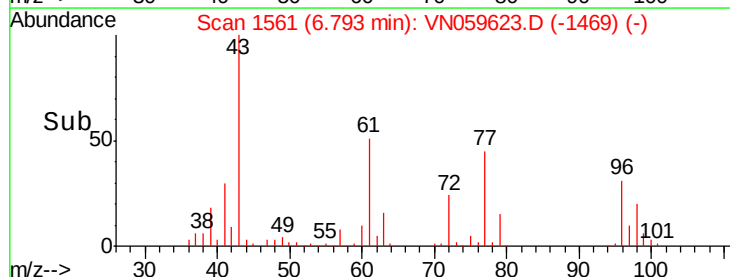


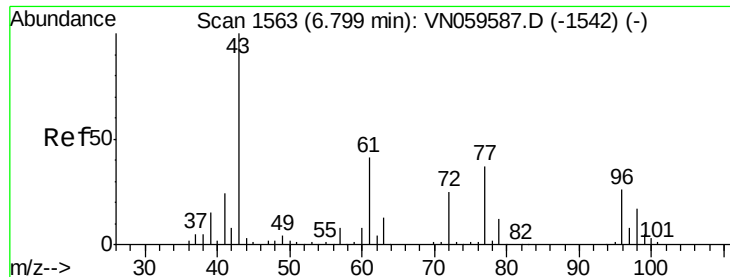
Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



Time-->





#27

cis-1,2-Dichloroethene

Concen: 21.907 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

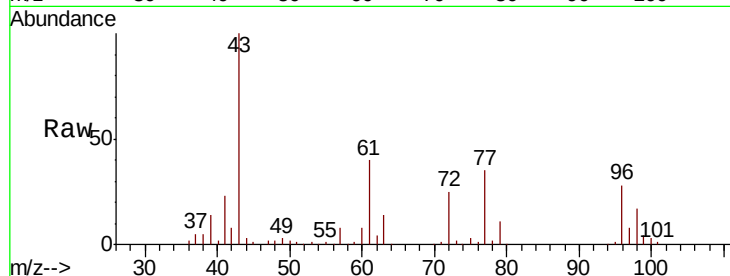
MSVOA\_N

ClientSampleId :

VN1217WBSD01

Tot Ion: 96 Resp: 76359

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 159.5 | 0.0   | 317.6 |
| 98  | 64.1  | 0.0   | 127.0 |

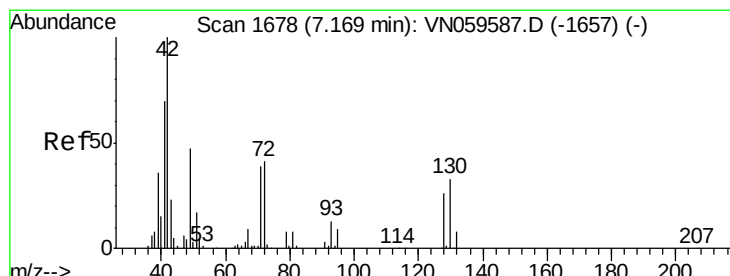
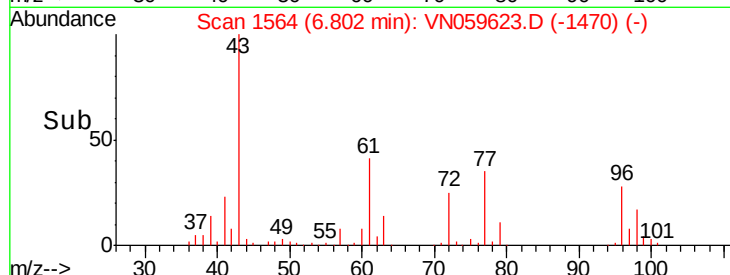
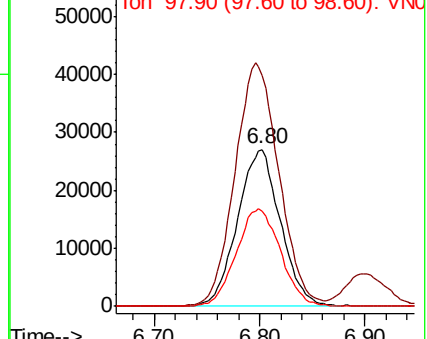


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.563 ug/l

RT: 7.17 min Scan# 1678

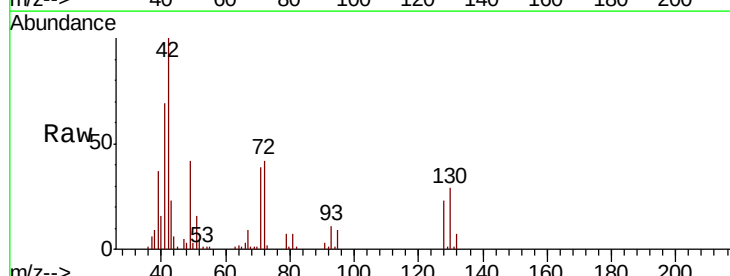
Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Tgt Ion: 49 Resp: 54126

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 1.6   | 0.0   | 3.4   |
| 130 | 67.3  | 54.7  | 82.1  |

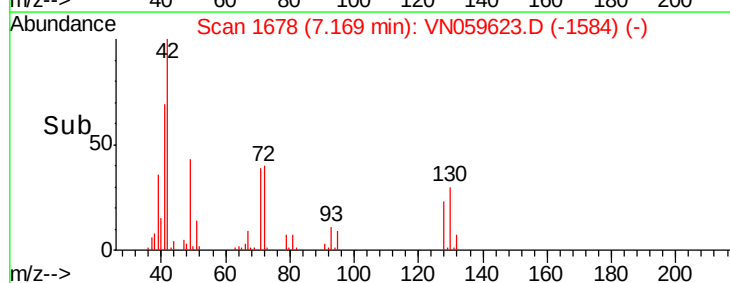
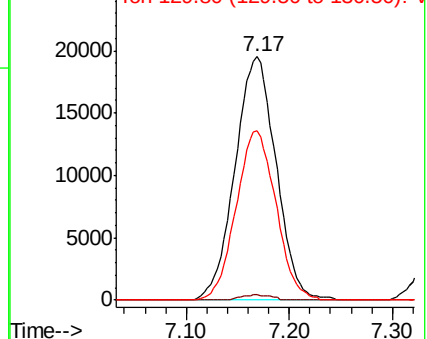


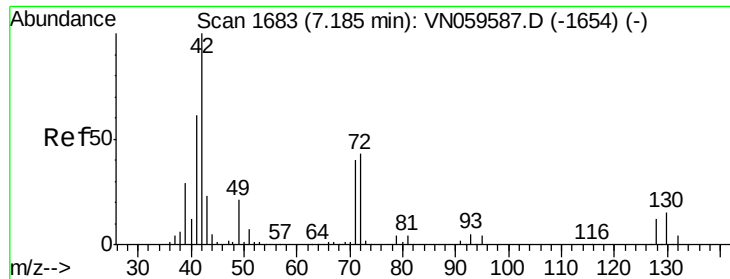
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

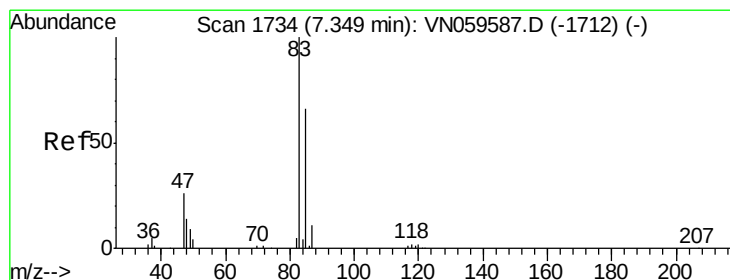
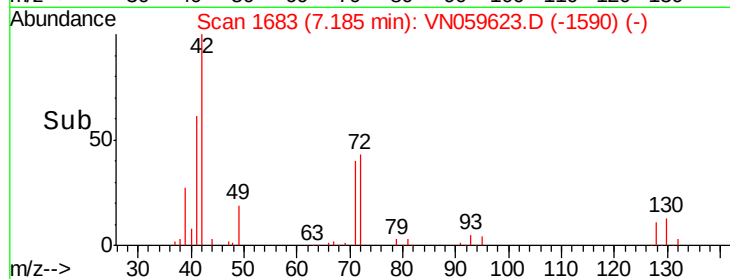
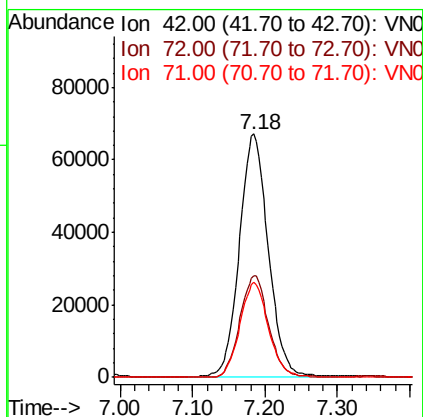
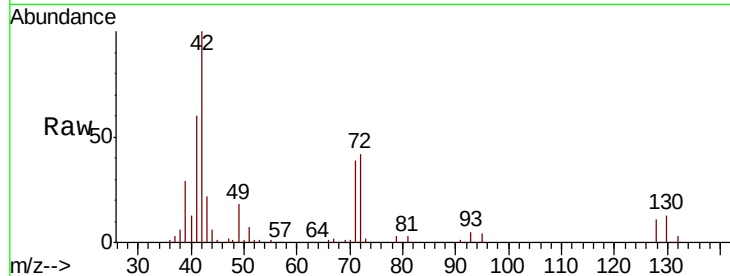




#29  
Tetrahydrofuran  
Concen: 110.664 ug/l  
RT: 7.18 min Scan# 1683  
Delta R.T. 0.00 min  
Lab File: VN059623.D  
Acq: 17 Dec 2019 14:46

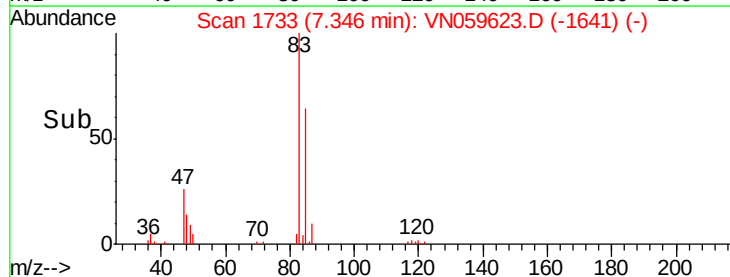
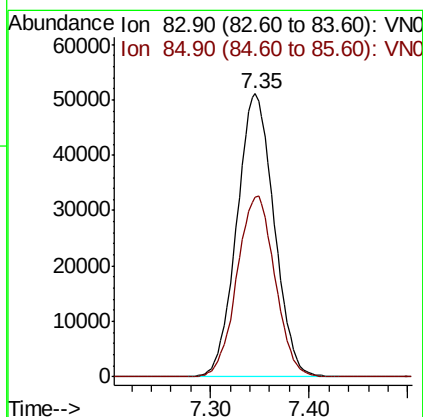
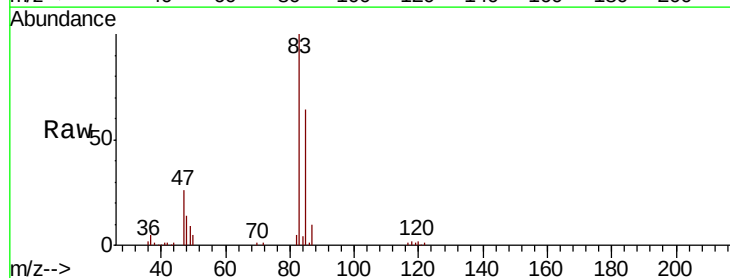
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1217WBSD01

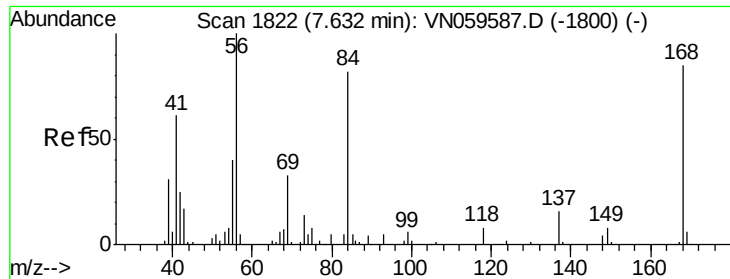
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 41.2  | 33.1  | 49.7  |
| 71      | 38.3  | 31.4  | 47.0  |



#30  
Chloroform  
Concen: 22.429 ug/l  
RT: 7.35 min Scan# 1733  
Delta R.T. -0.00 min  
Lab File: VN059623.D  
Acq: 17 Dec 2019 14:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.6  | 52.4  | 78.6  |

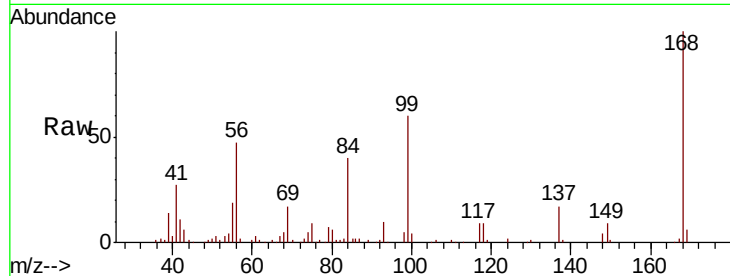




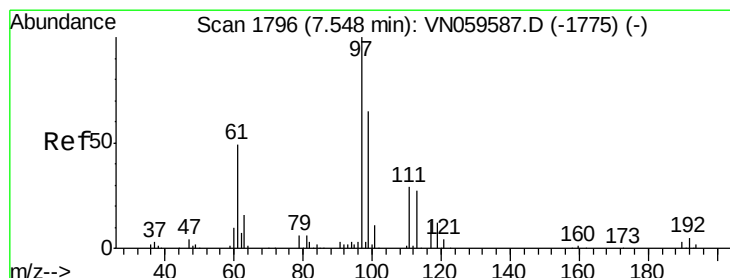
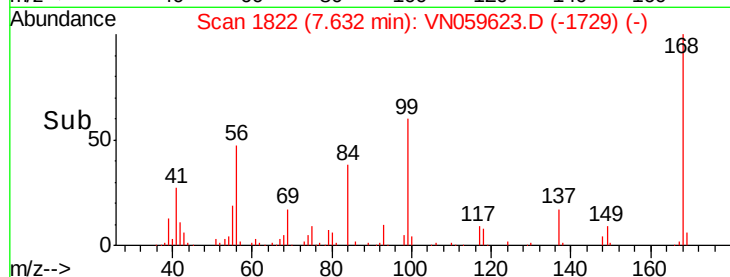
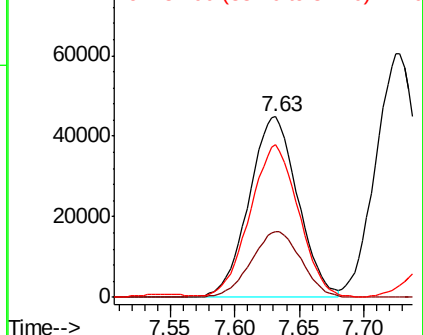
#31  
Cyclohexane  
Concen: 20.671 ug/l  
RT: 7.63 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: VN059623.D  
Acq: 17 Dec 2019 14:46

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1217WBSD01

Tot Ion: 56 Resp: 118151  
Ion Ratio Lower Upper  
56 100  
69 36.3 26.5 39.7  
84 83.9 65.3 97.9

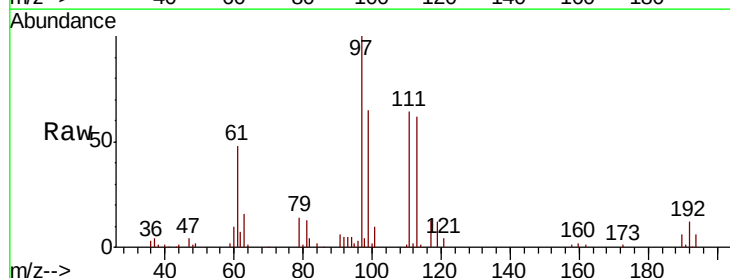


Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0

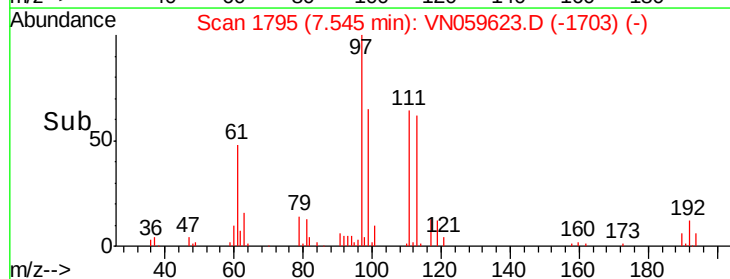
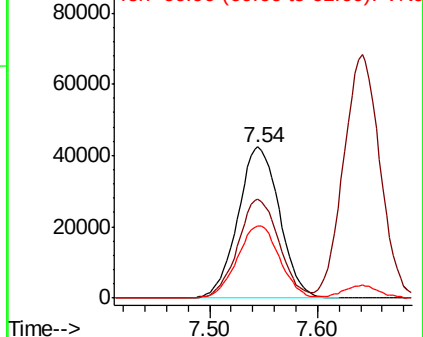


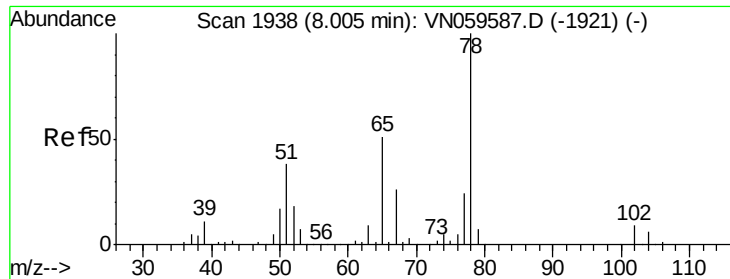
#32  
1,1,1-Trichloroethane  
Concen: 21.148 ug/l  
RT: 7.54 min Scan# 1795  
Delta R.T. -0.00 min  
Lab File: VN059623.D  
Acq: 17 Dec 2019 14:46

Tgt Ion: 97 Resp: 113527  
Ion Ratio Lower Upper  
97 100  
99 64.9 51.0 76.4  
61 48.7 38.5 57.7



Abundance Ion 96.90 (96.60 to 97.60): VN0  
Ion 98.90 (98.60 to 99.60): VN0  
Ion 60.90 (60.60 to 61.60): VN0

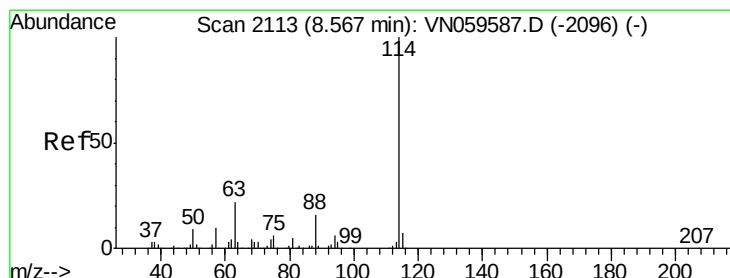
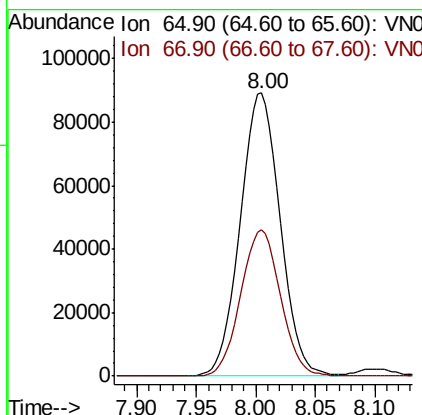
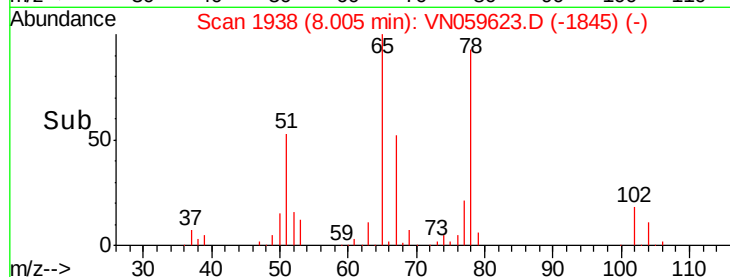
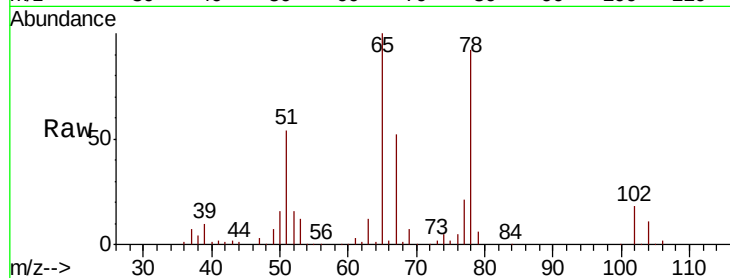




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.936 ug/l  
 RT: 8.00 min Scan# 1938  
 Delta R.T. 0.00 min  
 Lab File: VN059623.D  
 Acq: 17 Dec 2019 14:46

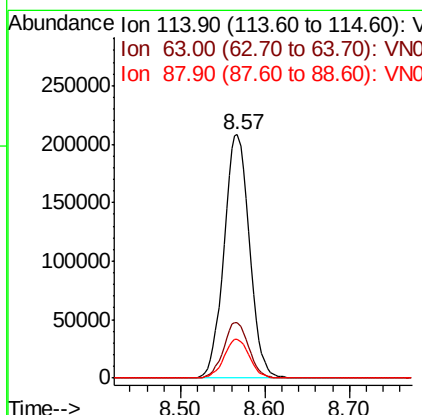
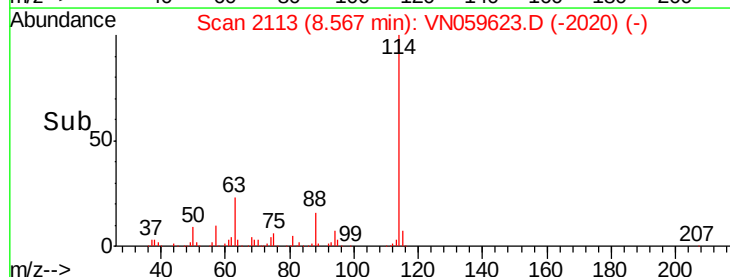
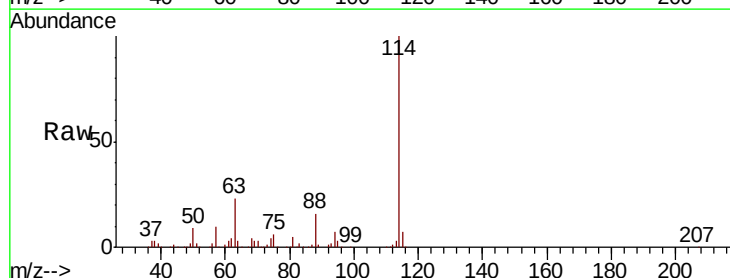
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1217WBSD01

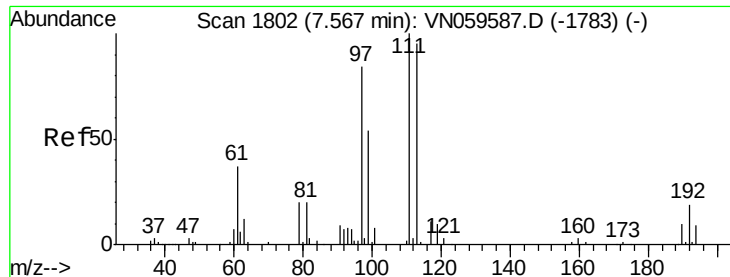
Tot Ion: 65 Resp: 207228  
 Ion Ratio Lower Upper  
 65 100  
 67 51.4 0.0 103.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. 0.00 min  
 Lab File: VN059623.D  
 Acq: 17 Dec 2019 14:46

Tgt Ion: 114 Resp: 436134  
 Ion Ratio Lower Upper  
 114 100  
 63 22.6 0.0 43.6  
 88 15.9 0.0 31.4

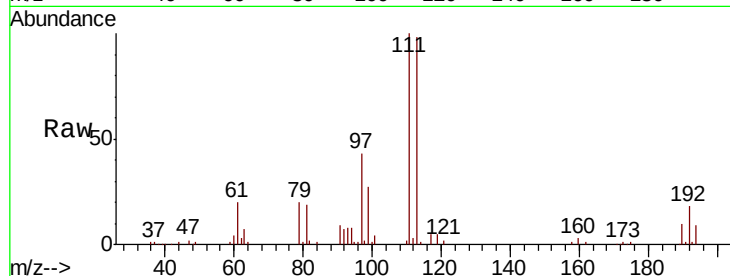




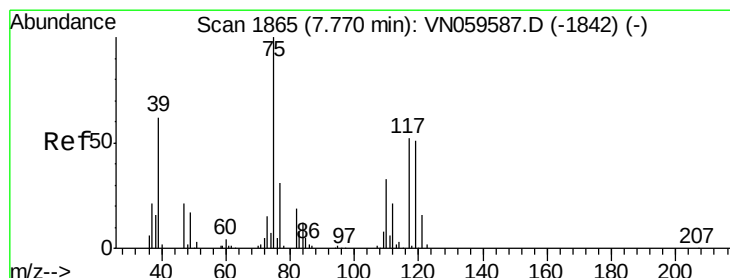
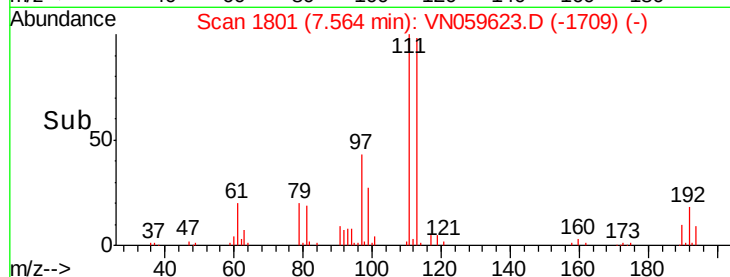
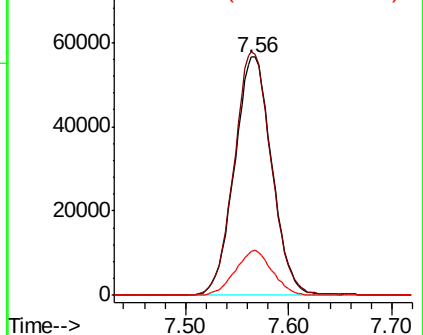
#35  
 Dibromofluoromethane  
 Concen: 52.127 ug/l  
 RT: 7.56 min Scan# 1801  
 Delta R.T. -0.00 min  
 Lab File: VN059623.D  
 Acq: 17 Dec 2019 14:46

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1217WBSD01

Tot Ion:113 Resp: 142246  
 Ion Ratio Lower Upper  
 113 100  
 111 101.5 83.5 125.3  
 192 18.5 15.4 23.2

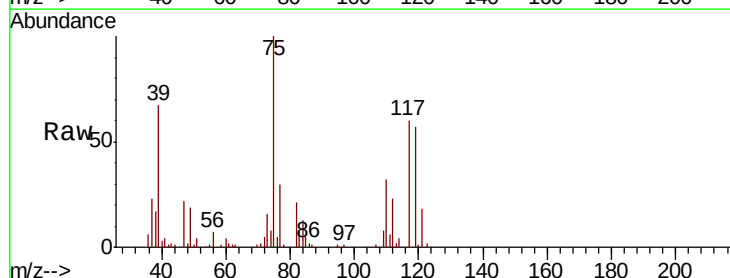


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

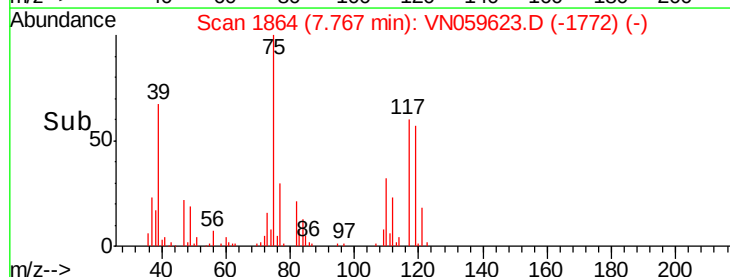
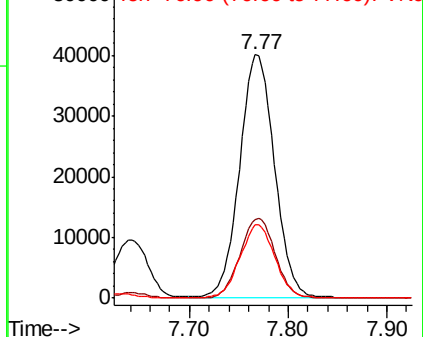


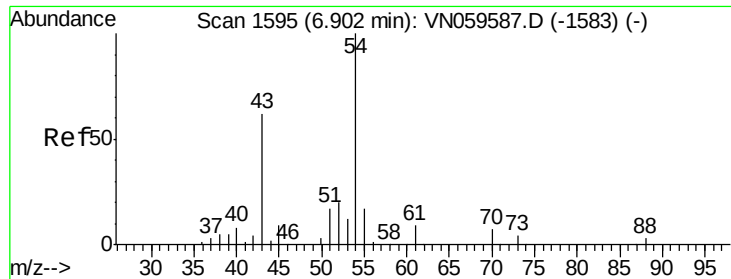
#36  
 1,1-Dichloropropene  
 Concen: 21.656 ug/l  
 RT: 7.77 min Scan# 1864  
 Delta R.T. -0.00 min  
 Lab File: VN059623.D  
 Acq: 17 Dec 2019 14:46

Tgt Ion: 75 Resp: 98496  
 Ion Ratio Lower Upper  
 75 100  
 110 32.8 16.6 49.7  
 77 30.2 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): V  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.90 (76.60 to 77.60): V

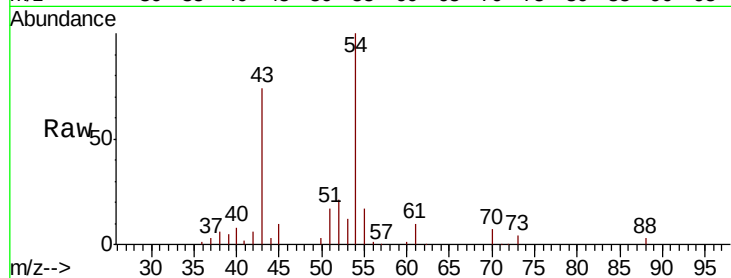




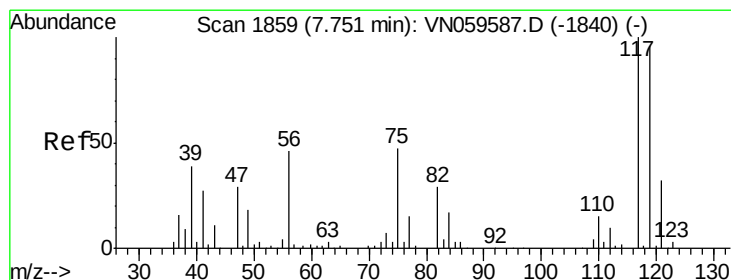
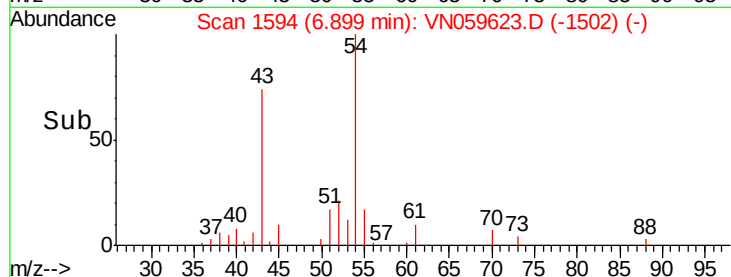
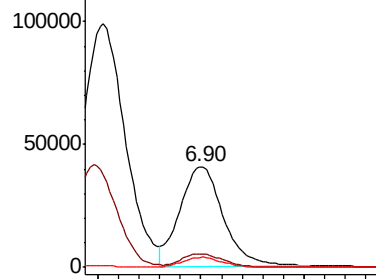
#37  
Ethyl Acetate  
Concen: 22.469 ug/l  
RT: 6.90 min Scan# 1594  
Delta R.T. -0.00 min  
Lab File: VN059623.D  
Acq: 17 Dec 2019 14:46

Instrument :  
MSVOA\_N  
ClientSampled :  
VN1217WBSD01

Tot Ion: 43 Resp: 118775  
Ion Ratio Lower Upper  
43 100  
61 13.3 10.9 16.3  
70 9.3 7.7 11.5

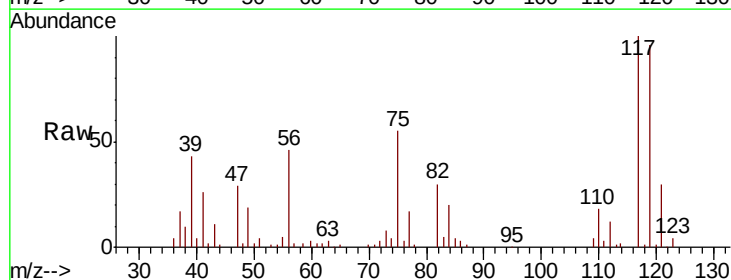


Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 70.00 (69.70 to 70.70): VN0

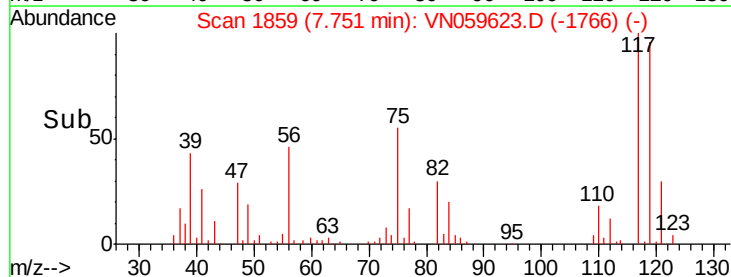
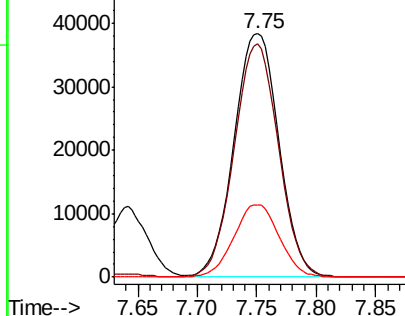


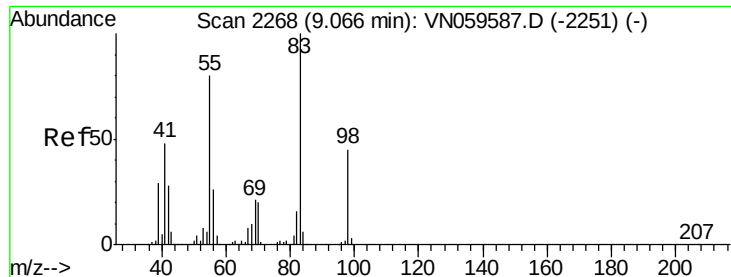
#38  
Carbon Tetrachloride  
Concen: 21.302 ug/l  
RT: 7.75 min Scan# 1859  
Delta R.T. 0.00 min  
Lab File: VN059623.D  
Acq: 17 Dec 2019 14:46

Tgt Ion: 117 Resp: 100535  
Ion Ratio Lower Upper  
117 100  
119 95.9 76.5 114.7  
121 29.8 25.1 37.7



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

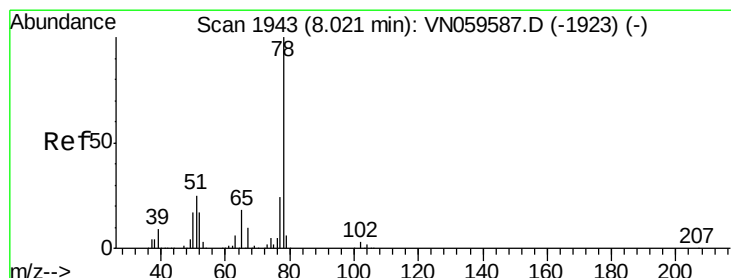
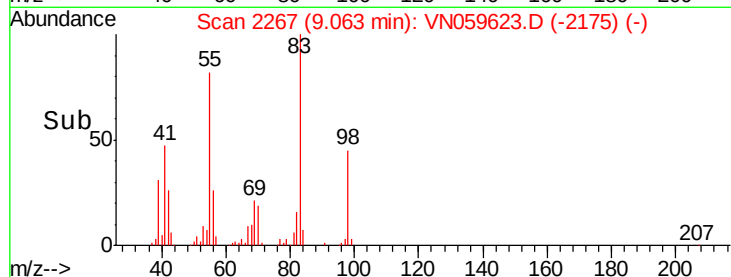
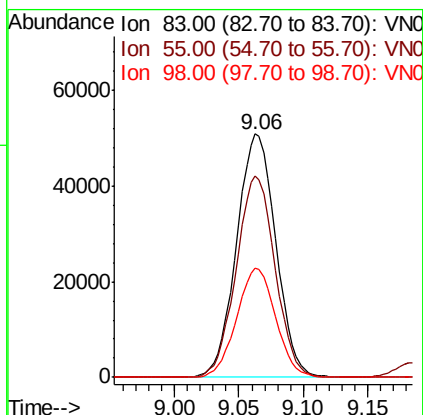
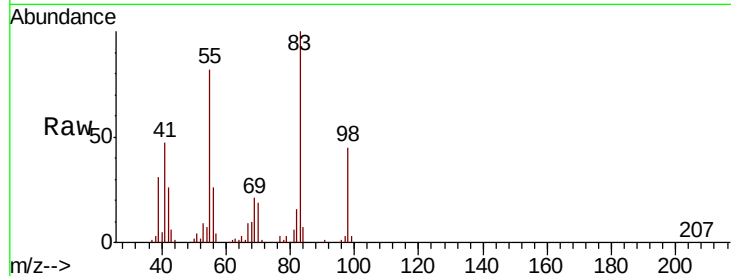




#39  
Methylvlcyclohexane  
Concen: 20.884 ug/l  
RT: 9.06 min Scan# 2267  
Delta R.T. -0.00 min  
Lab File: VN059623.D  
Acq: 17 Dec 2019 14:46

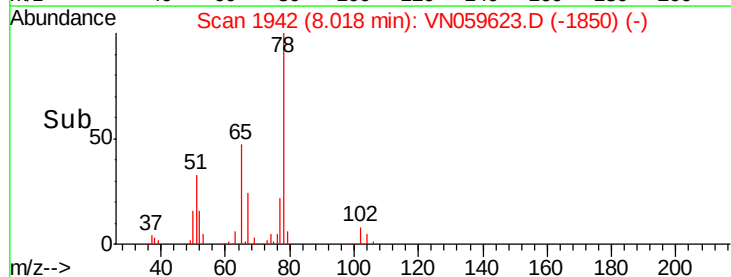
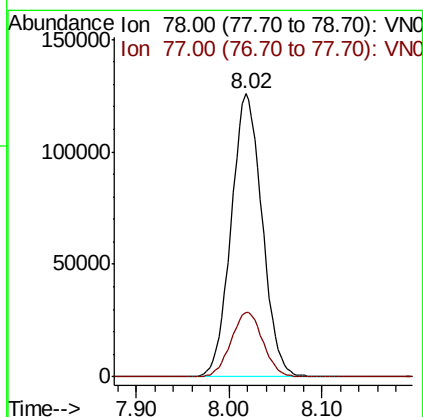
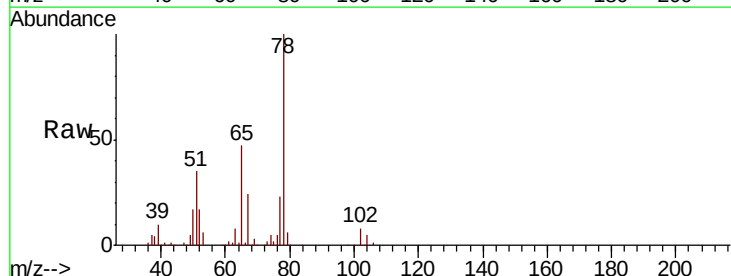
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1217WBSD01

Tot Ion: 83 Resp: 107740  
Ion Ratio Lower Upper  
83 100  
55 82.5 64.2 96.2  
98 44.9 35.9 53.9

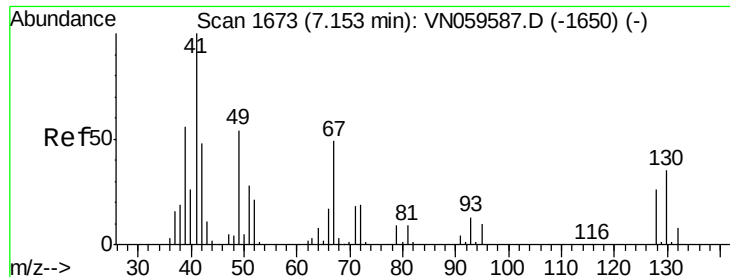


#40  
Benzene  
Concen: 21.914 ug/l  
RT: 8.02 min Scan# 1942  
Delta R.T. -0.00 min  
Lab File: VN059623.D  
Acq: 17 Dec 2019 14:46

Tgt Ion: 78 Resp: 291280  
Ion Ratio Lower Upper  
78 100  
77 22.6 18.9 28.3



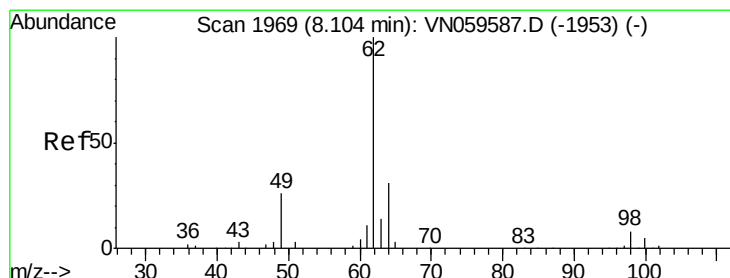
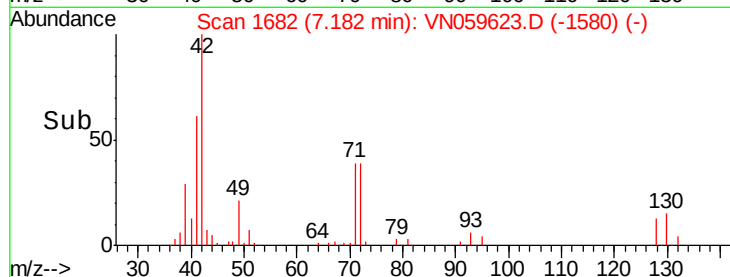
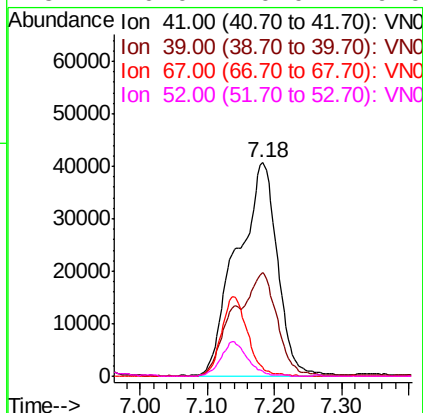
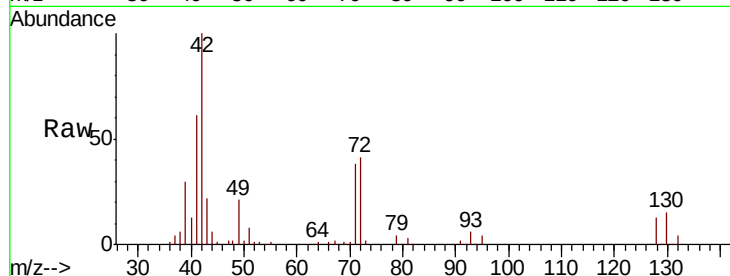




#41  
Methacrylonitrile  
Concen: 78.296 ug/l  
RT: 7.18 min Scan# 1682  
Delta R.T. 0.03 min  
Lab File: VN059623.D  
Acq: 17 Dec 2019 14:46

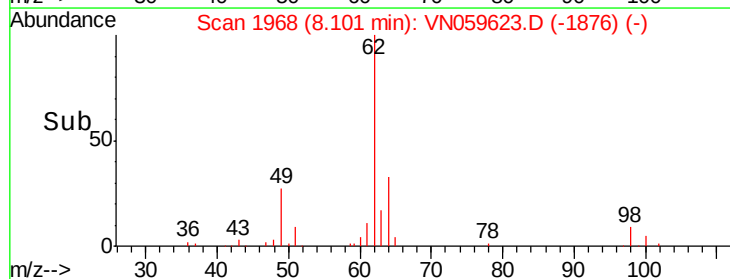
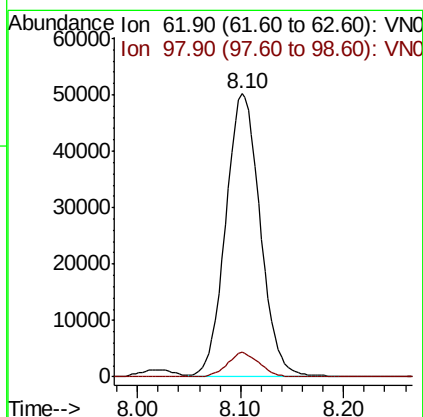
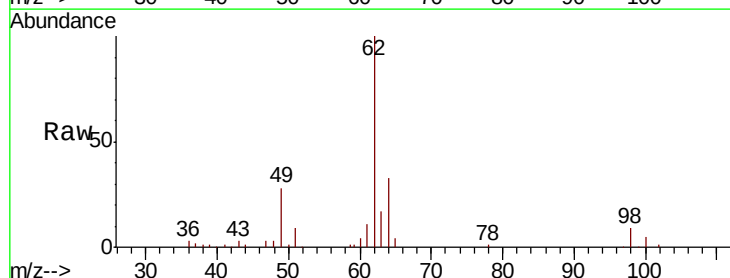
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1217WBSD01

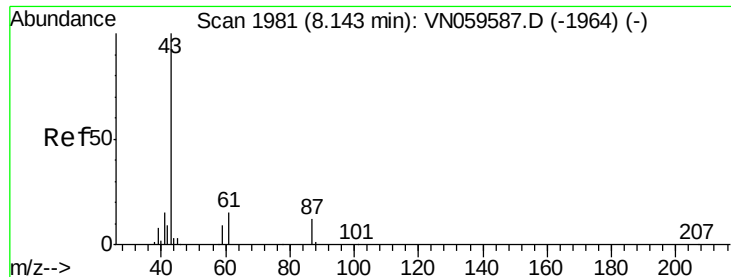
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 170814 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 0.0   | 0.0   | 0.0    |
| 67       | 0.0   | 0.0   | 0.0    |
| 52       | 0.0   | 0.0   | 0.0    |



#42  
1,2-Dichloroethane  
Concen: 23.038 ug/l  
RT: 8.10 min Scan# 1968  
Delta R.T. -0.00 min  
Lab File: VN059623.D  
Acq: 17 Dec 2019 14:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 117269 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 8.0   | 0.0   | 15.8   |





#43

Isopropyl Acetate

Concen: 22.198 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

VN1217WBSD01

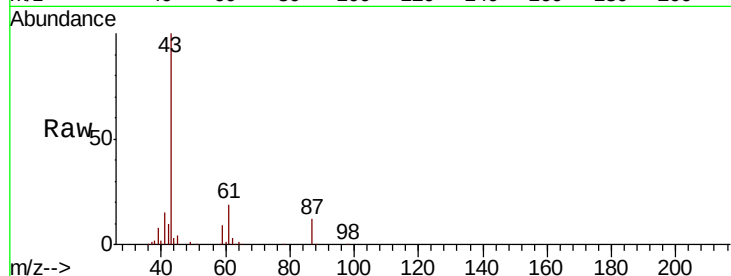
Tot Ion: 43 Resp: 182441

Ion Ratio Lower Upper

43 100

61 26.1 20.2 30.2

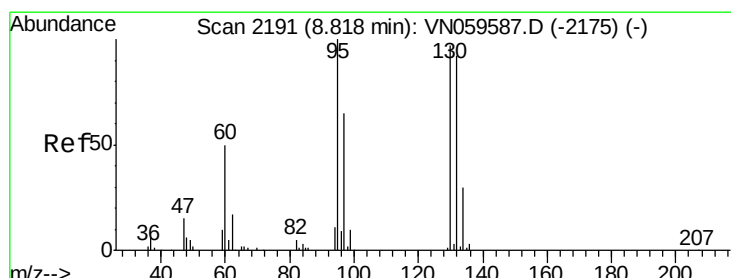
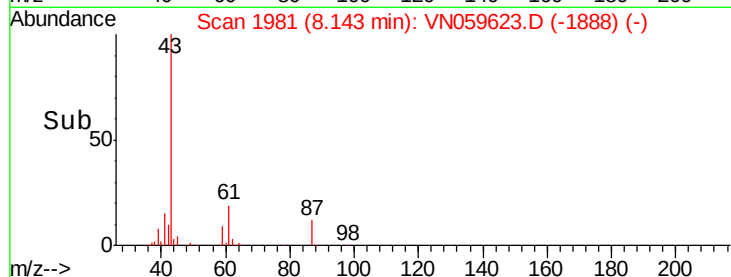
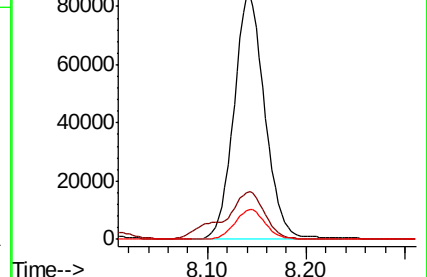
87 12.1 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN059587.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN059587.D (-1964) (-)



#44

Trichloroethene

Concen: 21.627 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059623.D

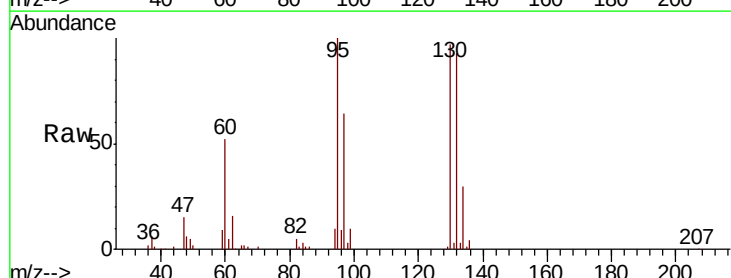
Acq: 17 Dec 2019 14:46

Tgt Ion: 130 Resp: 75296

Ion Ratio Lower Upper

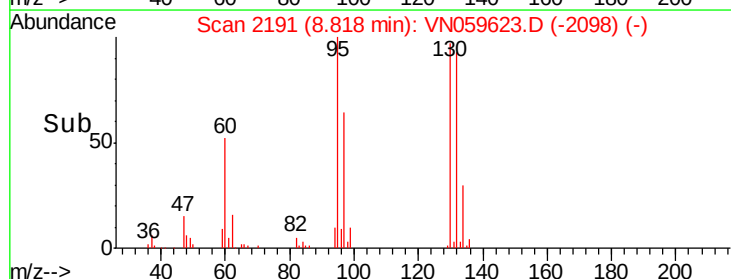
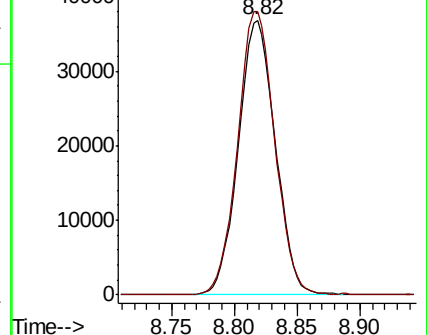
130 100

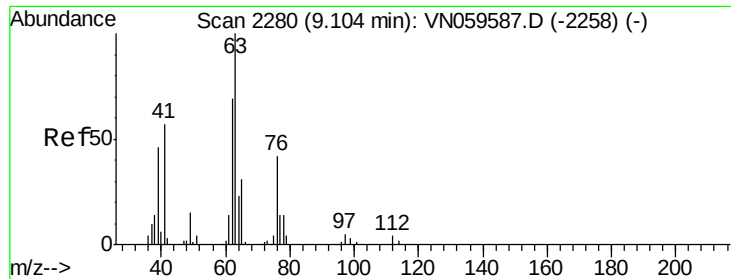
95 103.0 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN059587.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059587.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 22.363 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

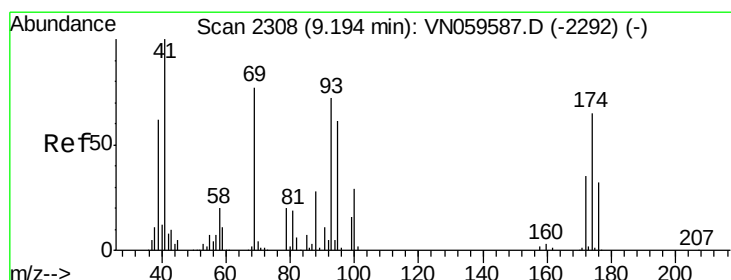
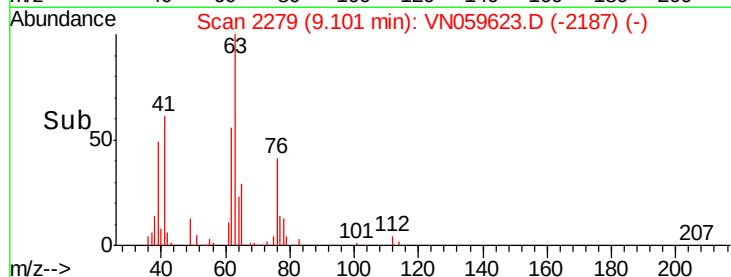
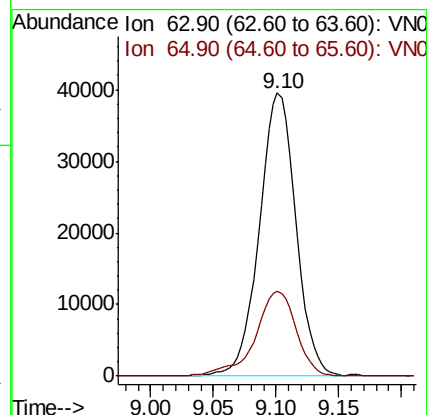
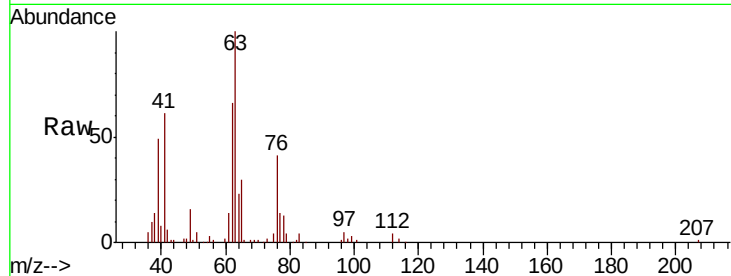
VN1217WBSD01

Tot Ion: 63 Resp: 80268

Ion Ratio Lower Upper

63 100

65 30.1 24.9 37.3



#46

Dibromomethane

Concen: 22.367 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

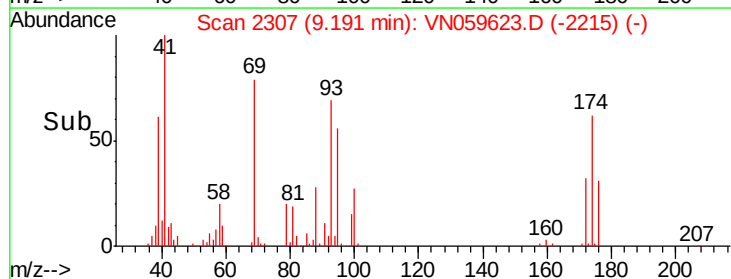
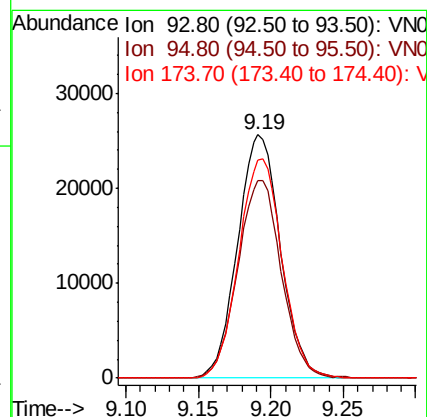
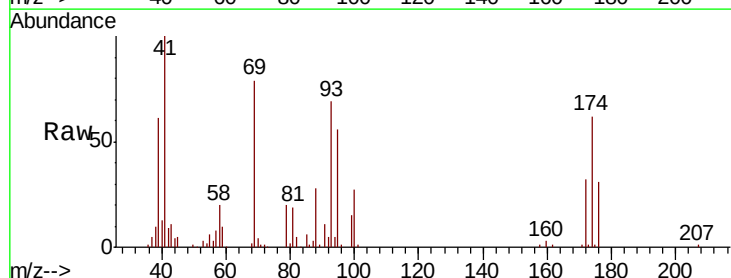
Tgt Ion: 93 Resp: 52597

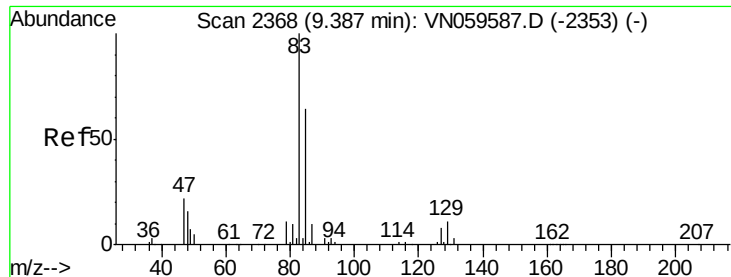
Ion Ratio Lower Upper

93 100

95 82.7 67.0 100.6

174 91.6 73.4 110.2

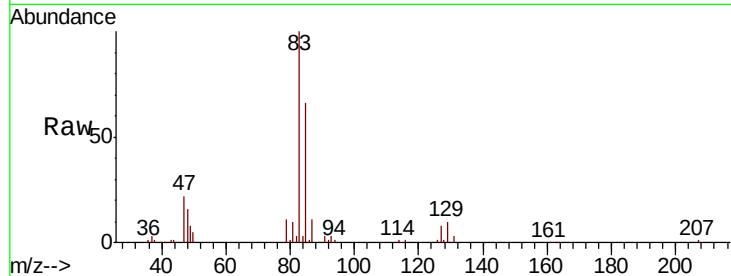




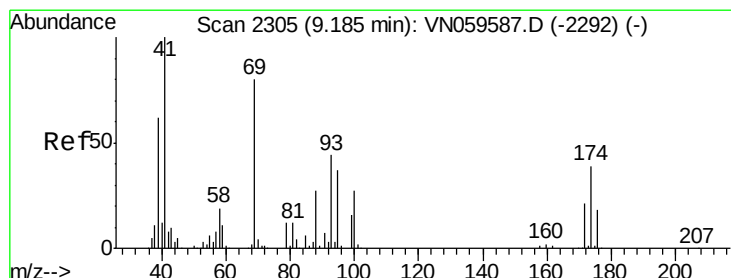
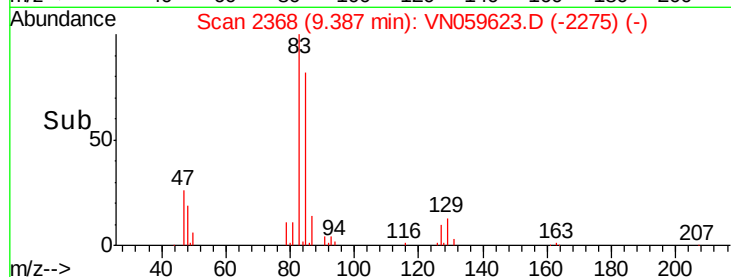
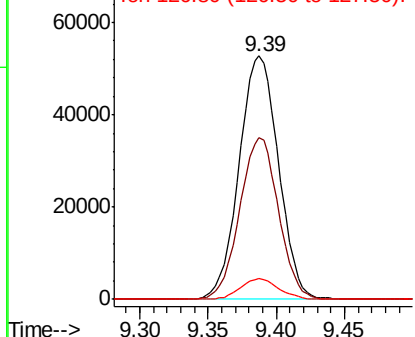
#47  
Bromodichloromethane  
Concen: 22.539 ug/l  
RT: 9.39 min Scan# 2368  
Delta R.T. 0.00 min  
Lab File: VN059623.D  
Acq: 17 Dec 2019 14:46

Instrument :  
MSVOA\_N  
ClientSampled :  
VN1217WBSD01

Tot Ion: 83 Resp: 105671  
Ion Ratio Lower Upper  
83 100  
85 66.2 51.1 76.7  
127 8.4 6.6 9.8

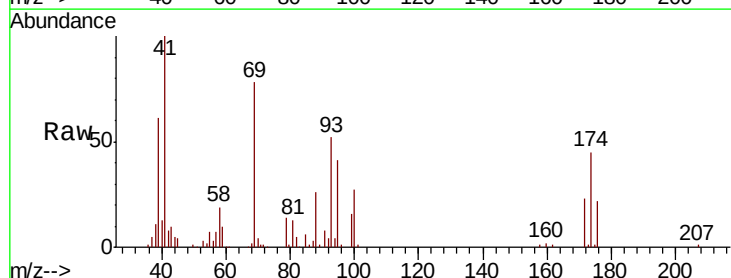


Abundance Ion 82.90 (82.60 to 83.60): VN0  
Ion 84.90 (84.60 to 85.60): VN0  
Ion 126.80 (126.50 to 127.50): VN0

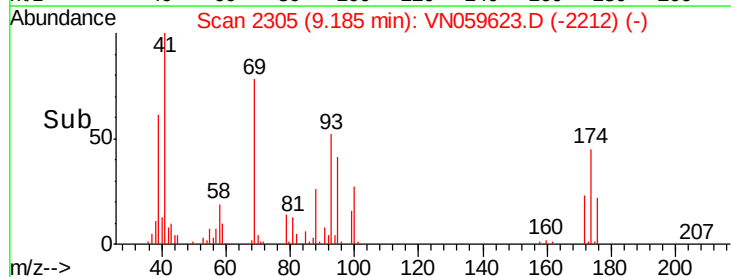
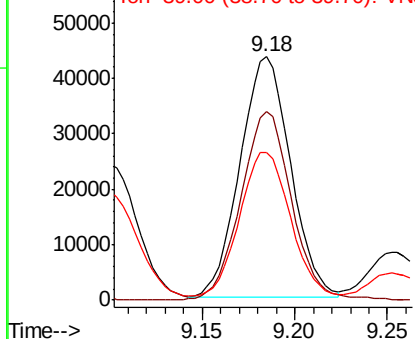


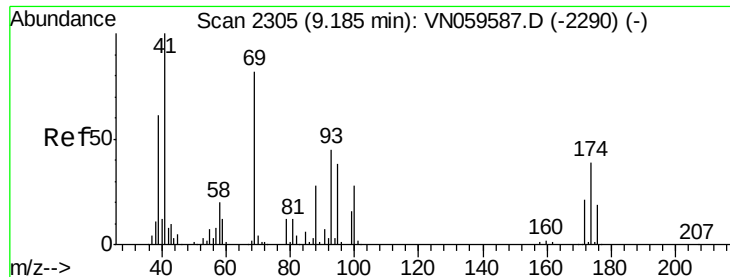
#48  
Methyl methacrylate  
Concen: 21.997 ug/l  
RT: 9.18 min Scan# 2305  
Delta R.T. 0.00 min  
Lab File: VN059623.D  
Acq: 17 Dec 2019 14:46

Tgt Ion: 41 Resp: 82023  
Ion Ratio Lower Upper  
41 100  
69 78.9 64.4 96.6  
39 62.8 51.3 76.9



Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 452.352 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

VN1217WBSD01

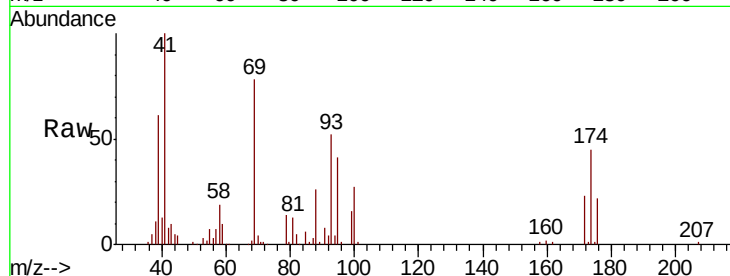
Tot Ion: 88 Resp: 24172

Ion Ratio Lower Upper

88 100

43 37.1 29.7 44.5

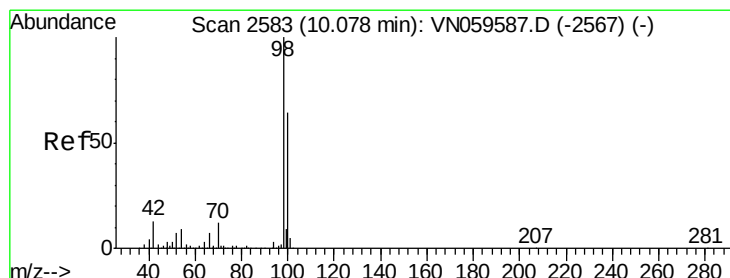
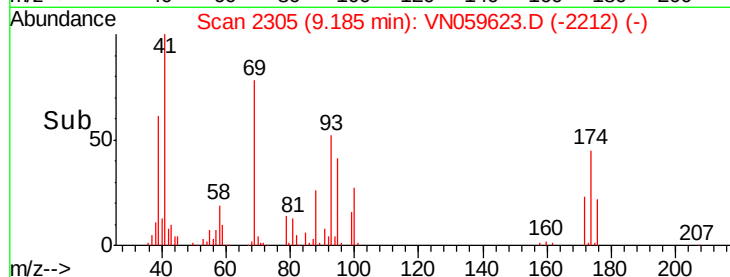
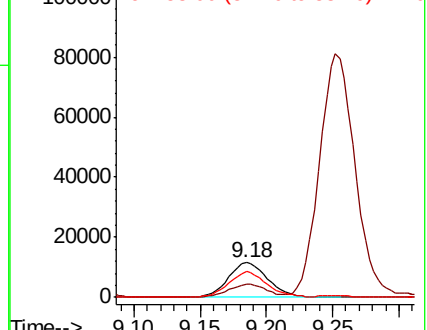
58 71.2 56.6 85.0



Abundance Ion 88.00 (87.70 to 88.70): VN059623.D (-2212) (-)

Ion 43.00 (42.70 to 43.70): VN059623.D (-2212) (-)

Ion 58.00 (57.70 to 58.70): VN059623.D (-2212) (-)



#50

Toluene-d8

Concen: 51.304 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059623.D

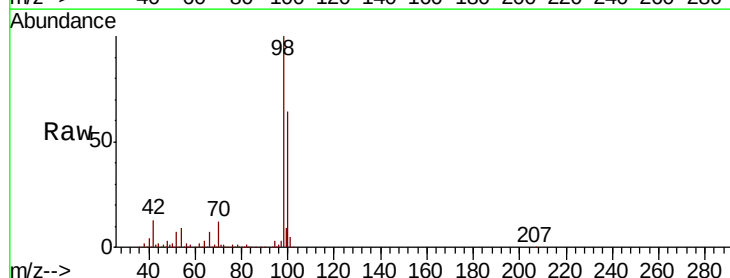
Acq: 17 Dec 2019 14:46

Tgt Ion: 98 Resp: 554277

Ion Ratio Lower Upper

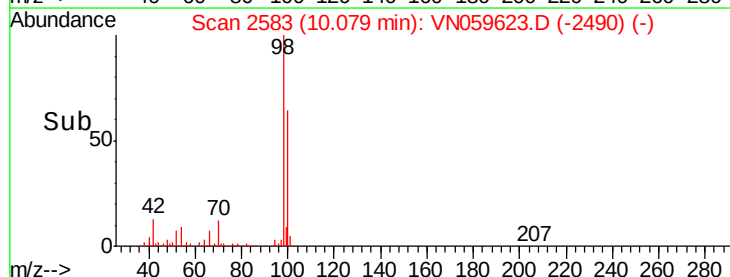
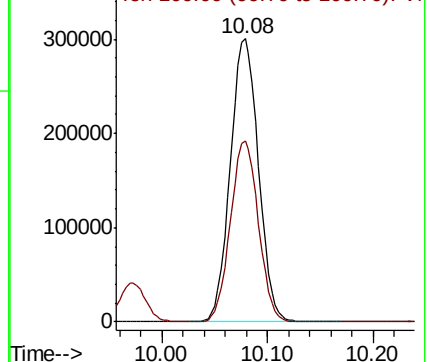
98 100

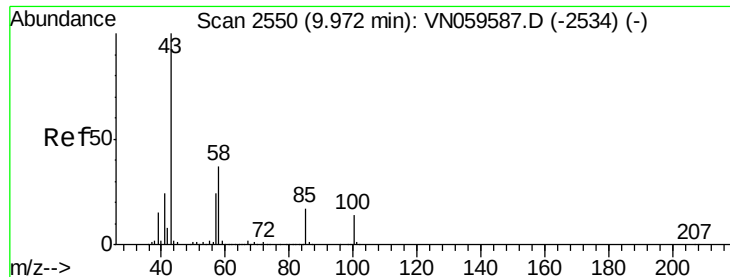
100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN059623.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN059623.D (-2490) (-)





#51

4-Methyl-2-Pentanone

Concen: 115.904 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

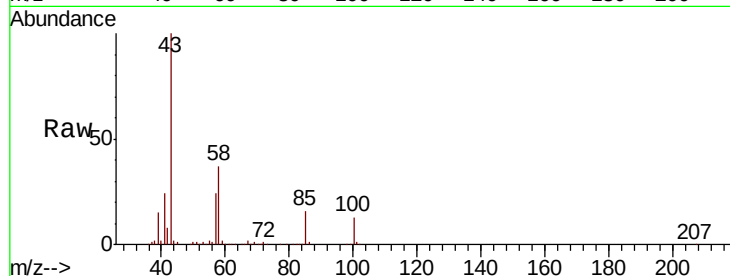
VN1217WBSD01

Tot Ion: 43 Resp: 567952

Ion Ratio Lower Upper

43 100

58 37.1 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-2534) (-)

9.97

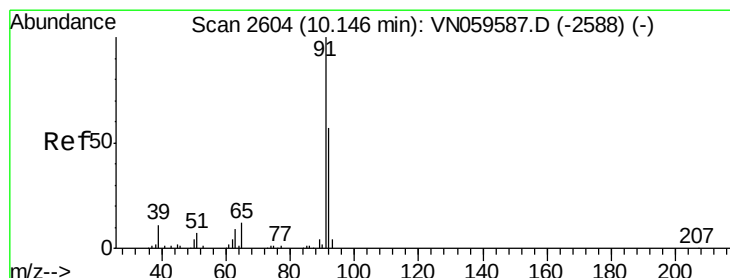
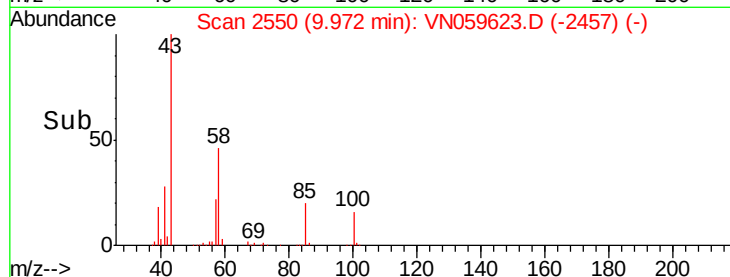
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.571 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059623.D

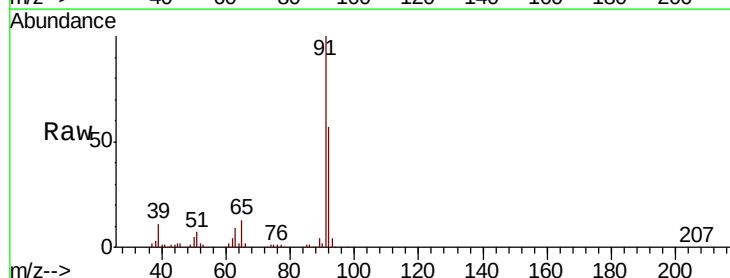
Acq: 17 Dec 2019 14:46

Tgt Ion: 92 Resp: 176172

Ion Ratio Lower Upper

92 100

91 175.4 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN059587.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059587.D (-2588) (-)

200000

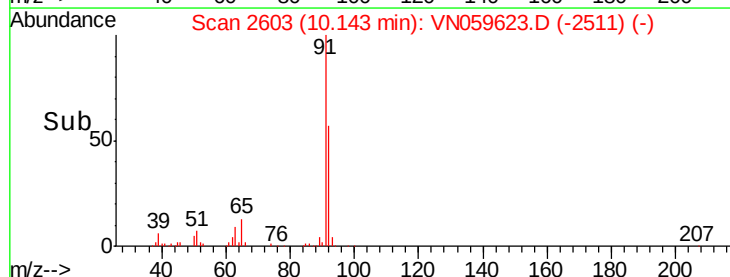
150000

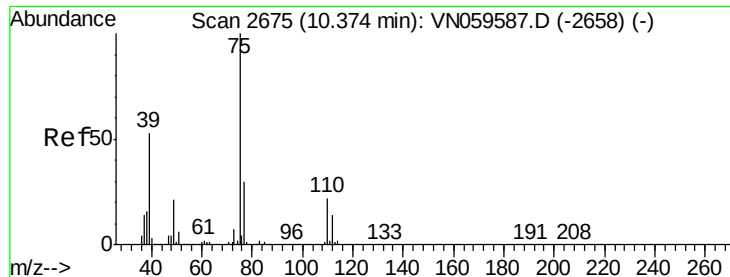
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.558 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

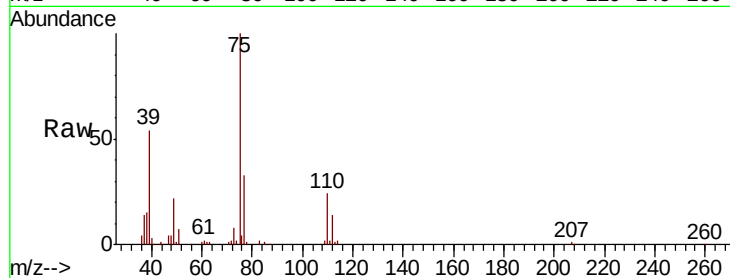
VN1217WBSD01

Tot Ion: 75 Resp: 122314

Ion Ratio Lower Upper

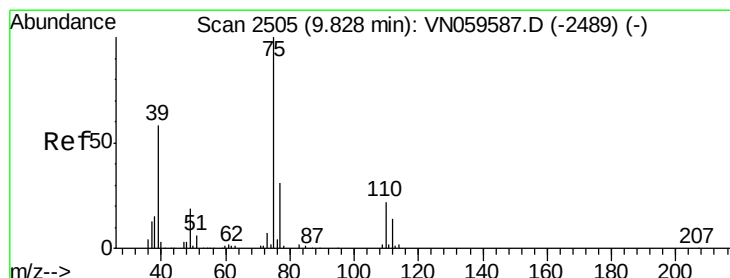
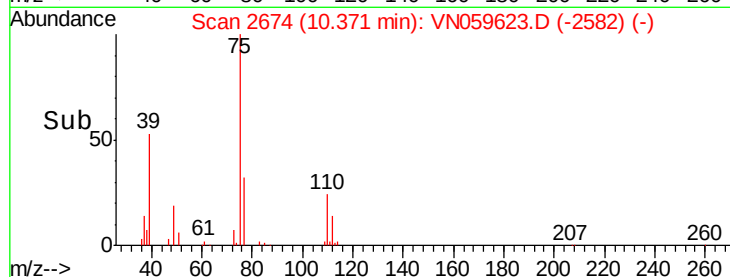
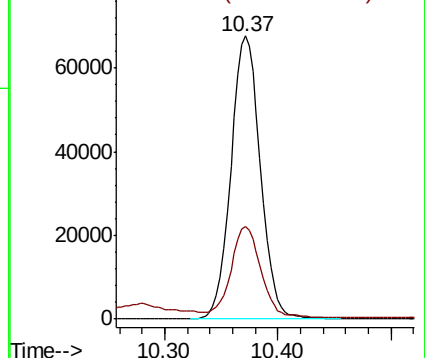
75 100

77 31.9 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 22.299 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

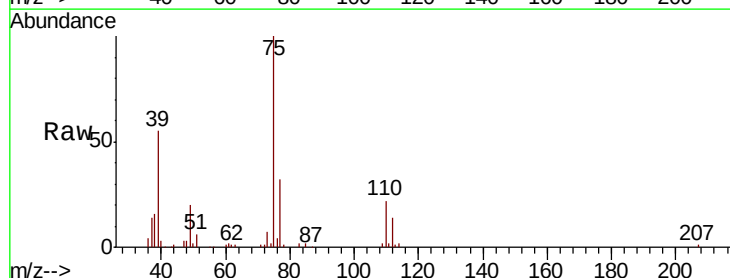
Tgt Ion: 75 Resp: 127096

Ion Ratio Lower Upper

75 100

77 31.7 25.1 37.7

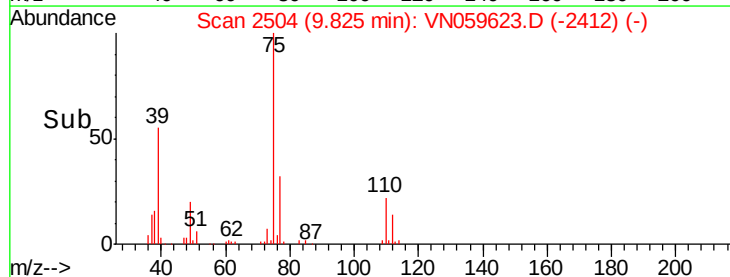
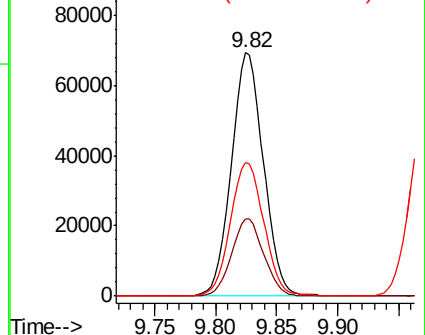
39 54.9 46.1 69.1

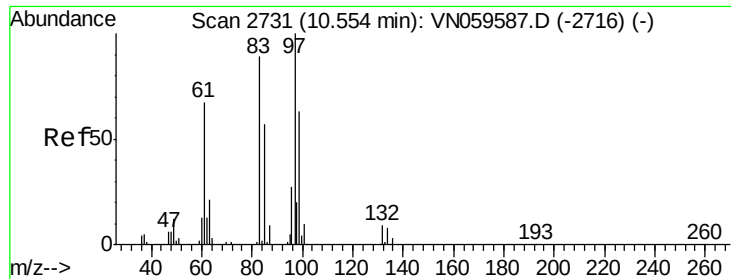


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 22.684 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

VN1217WBSD01

Tot Ion: 97 Resp: 72696

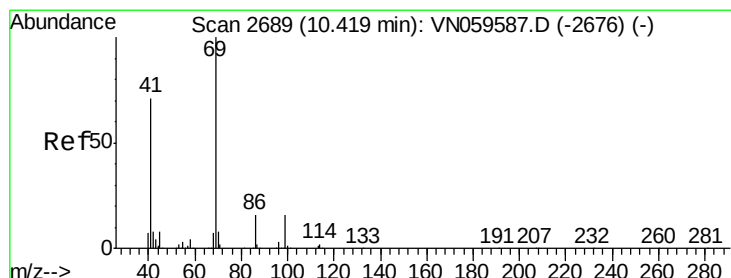
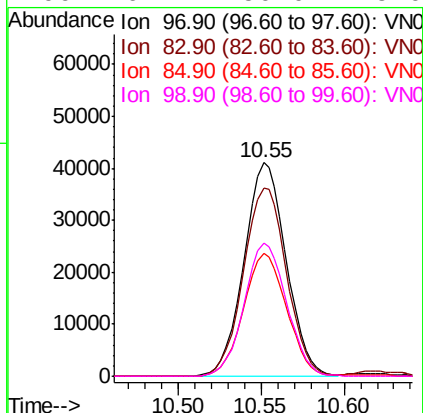
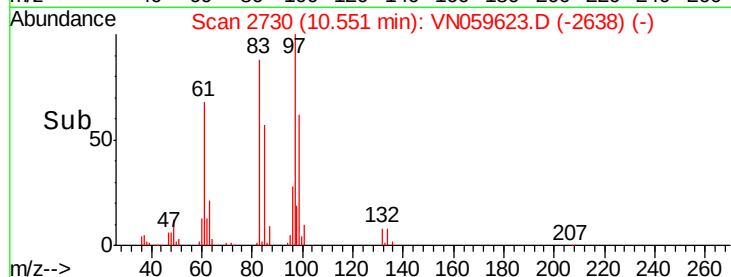
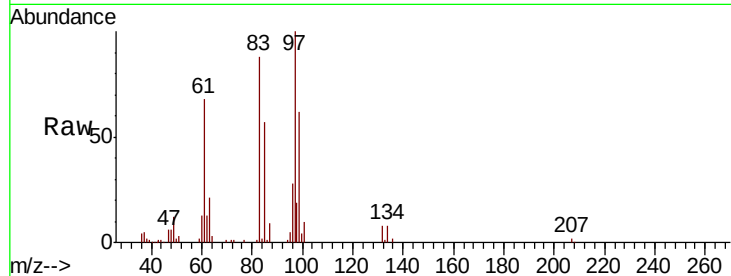
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 88.2  | 71.3  | 106.9 |
| 85  | 57.5  | 45.8  | 68.8  |
| 99  | 62.4  | 50.0  | 75.0  |

97 100

83 88.2 71.3 106.9

85 57.5 45.8 68.8

99 62.4 50.0 75.0



#56

Ethyl methacrylate

Concen: 22.222 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

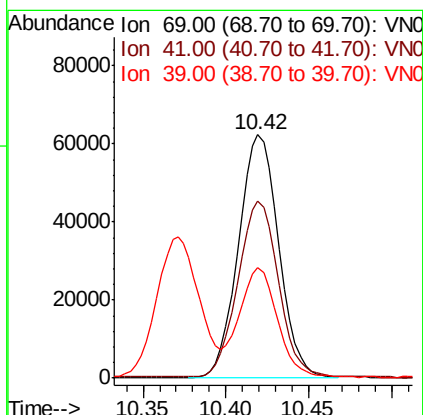
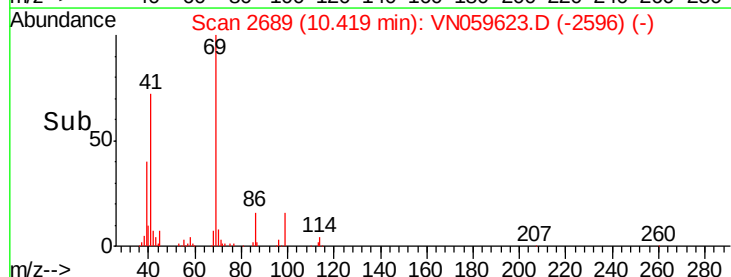
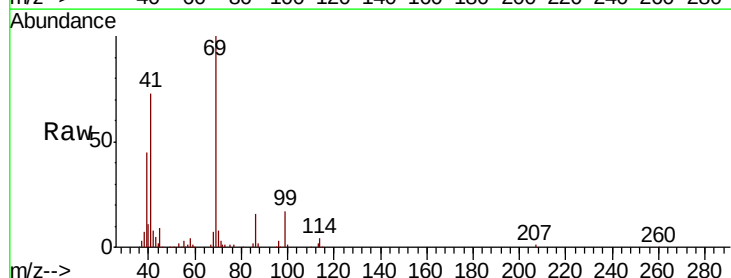
Tgt Ion: 69 Resp: 105724

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 72.5  | 57.1  | 85.7  |
| 39  | 42.9  | 34.7  | 52.1  |

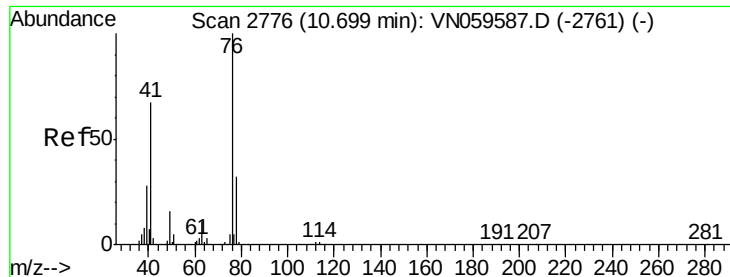
69 100

41 72.5 57.1 85.7

39 42.9 34.7 52.1







#57

1,3-Dichloropropane

Concen: 22.910 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

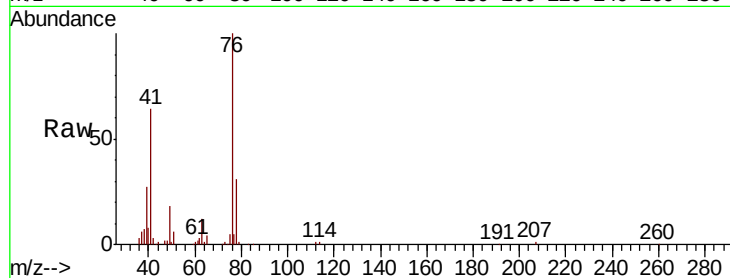
VN1217WBSD01

Tot Ion: 76 Resp: 127838

Ion Ratio Lower Upper

76 100

78 32.7 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

80000

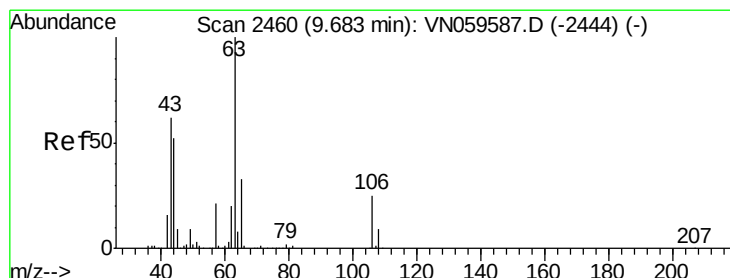
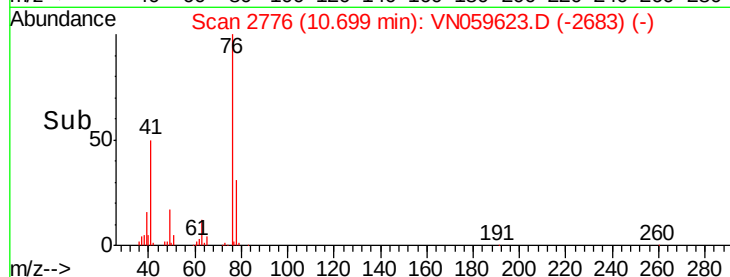
60000

40000

20000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 132.271 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059623.D

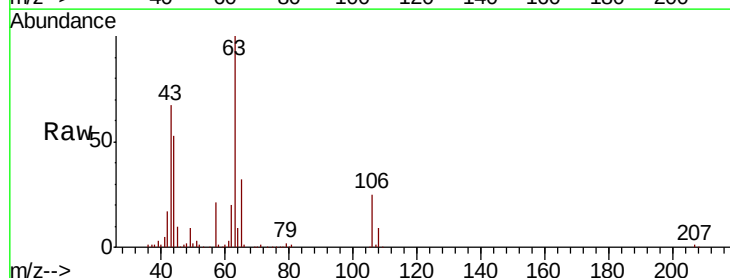
Acq: 17 Dec 2019 14:46

Tgt Ion: 63 Resp: 200137

Ion Ratio Lower Upper

63 100

106 24.8 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

120000

100000

80000

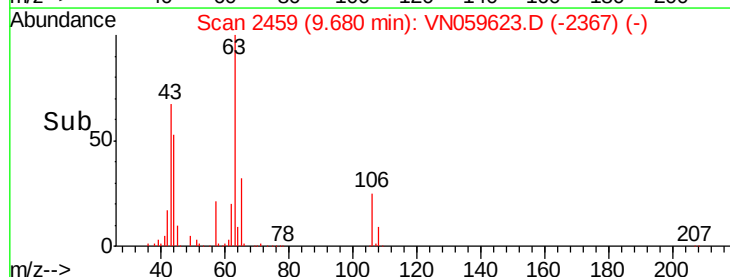
60000

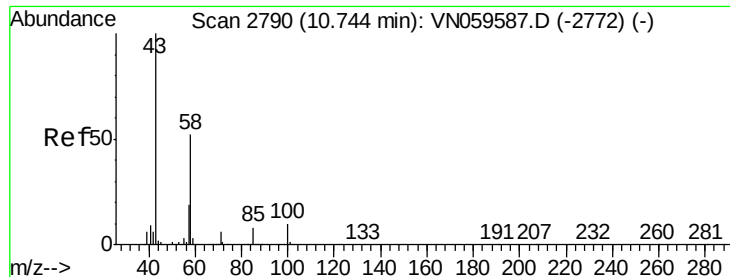
40000

20000

0

Time--> 9.60 9.70 9.80

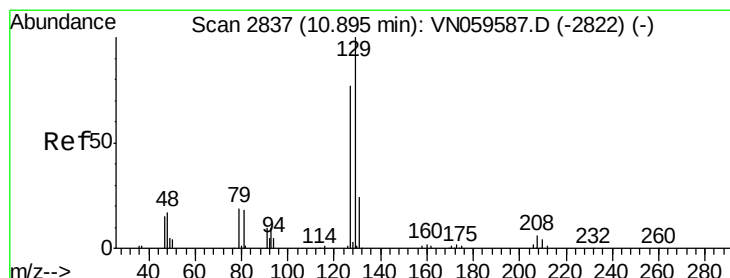
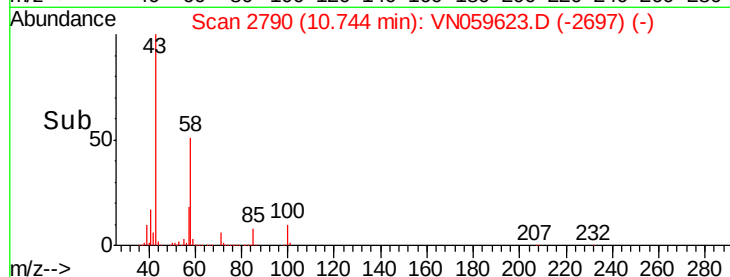
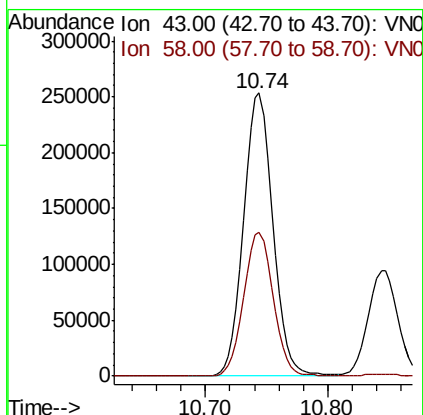
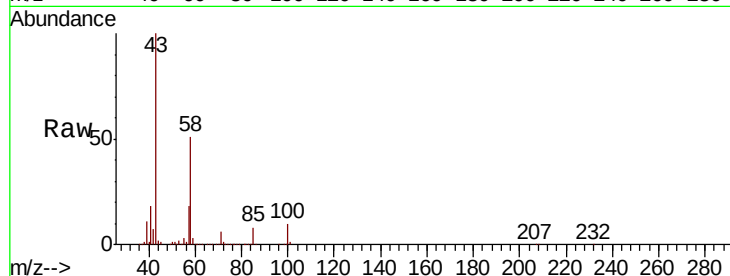




#59  
2-Hexanone  
Concen: 107.992 ug/l  
RT: 10.74 min Scan# 2790  
Delta R.T. 0.00 min  
Lab File: VN059623.D  
Acq: 17 Dec 2019 14:46

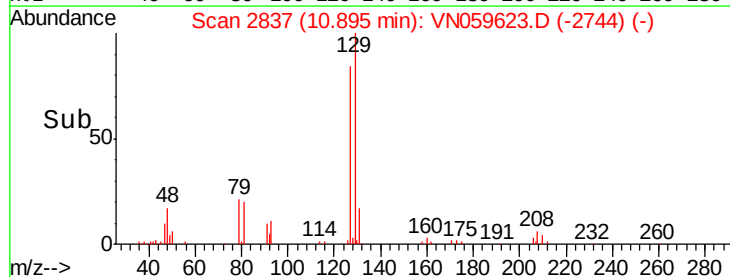
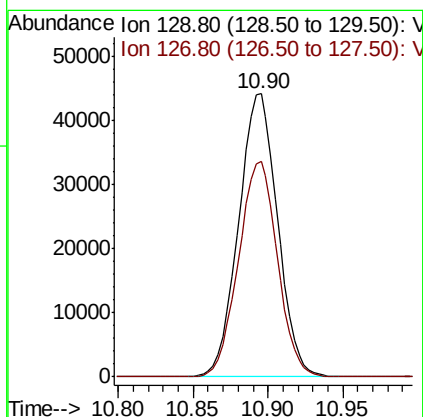
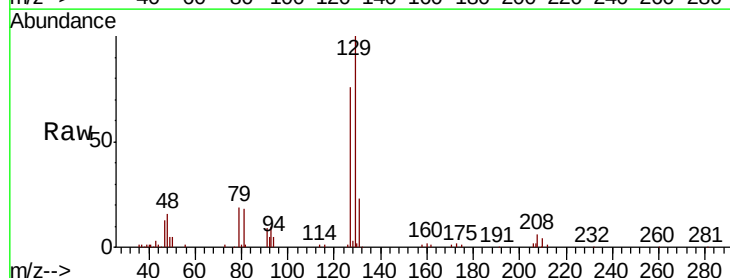
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1217WBSD01

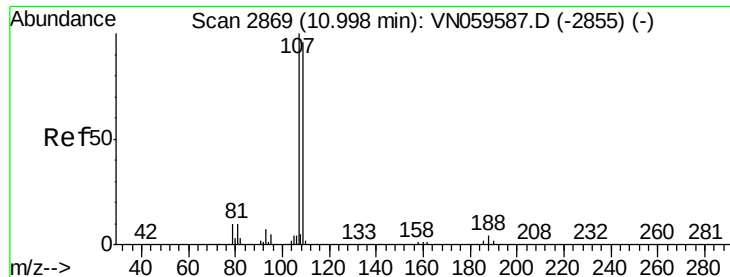
Tot Ion: 43 Resp: 417064  
Ion Ratio Lower Upper  
43 100  
58 51.3 25.8 77.3



#60  
Dibromochloromethane  
Concen: 22.838 ug/l  
RT: 10.90 min Scan# 2837  
Delta R.T. 0.00 min  
Lab File: VN059623.D  
Acq: 17 Dec 2019 14:46

Tgt Ion: 129 Resp: 79879  
Ion Ratio Lower Upper  
129 100  
127 76.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 21.995 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

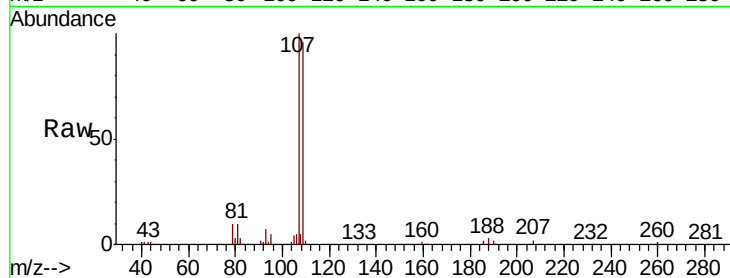
VN1217WBSD01

Tot Ion:107 Resp: 74754

Ion Ratio Lower Upper

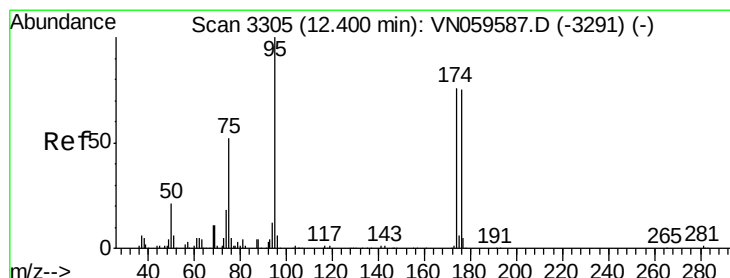
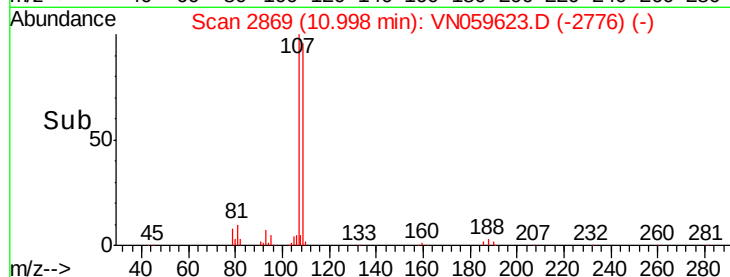
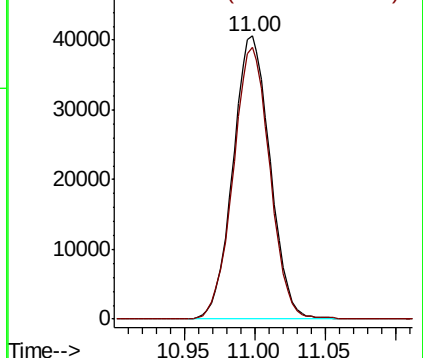
107 100

109 94.9 76.6 115.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.889 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

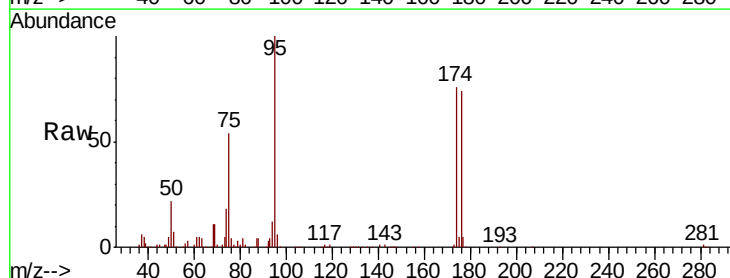
Tgt Ion: 95 Resp: 196674

Ion Ratio Lower Upper

95 100

174 76.0 0.0 151.4

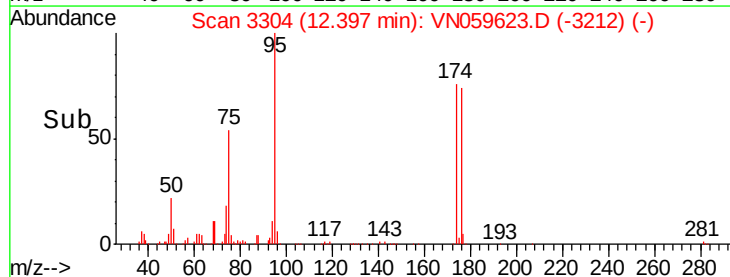
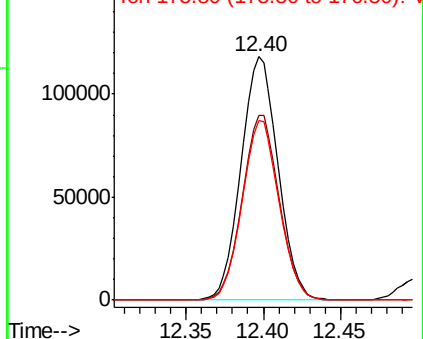
176 73.6 0.0 146.0

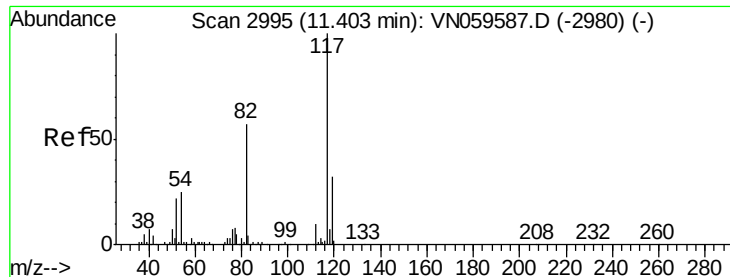


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

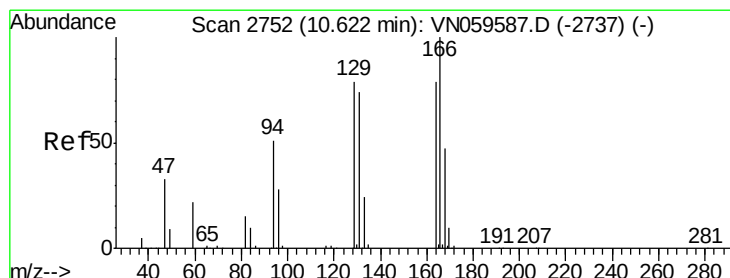
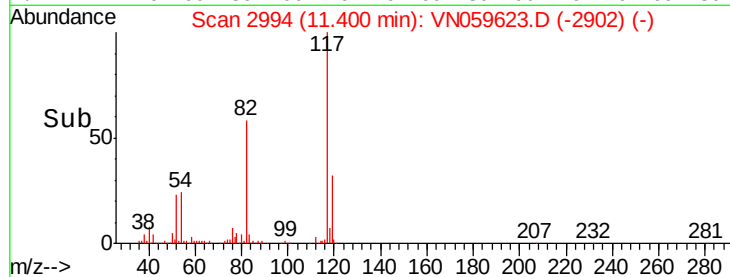
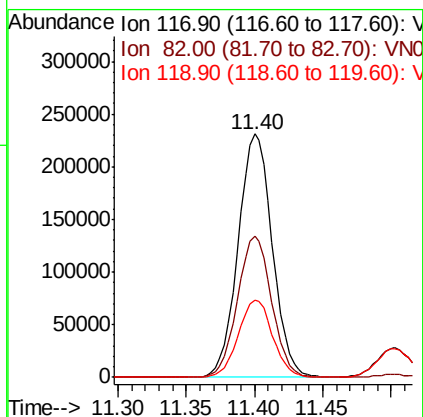
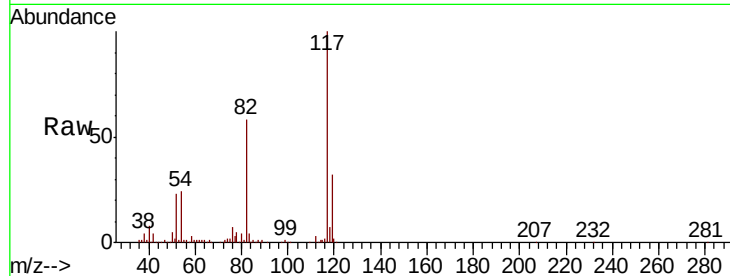




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. -0.00 min  
Lab File: VN059623.D  
Acq: 17 Dec 2019 14:46

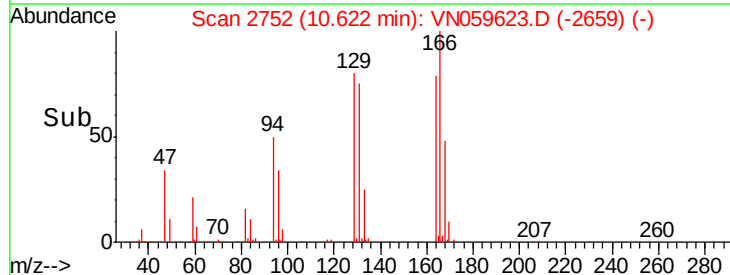
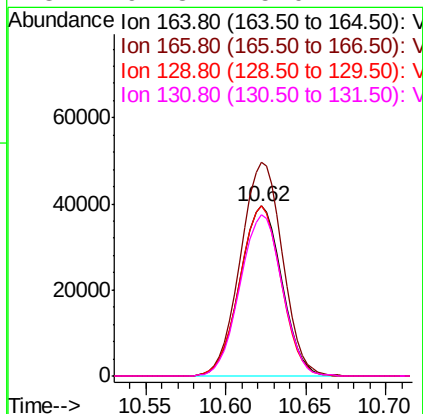
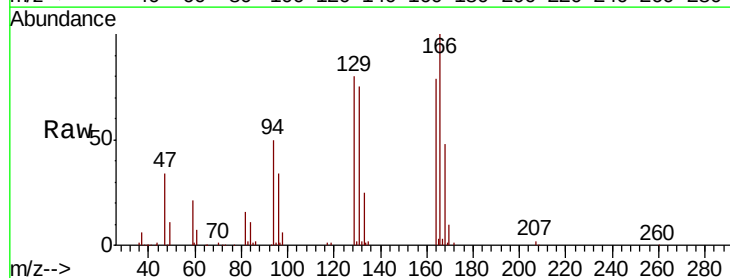
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1217WBSD01

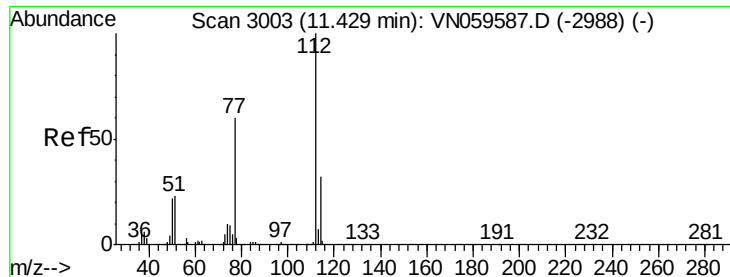
Tot Ion:117 Resp: 401570  
Ion Ratio Lower Upper  
117 100  
82 58.2 45.9 68.9  
119 31.9 25.5 38.3



#64  
Tetrachloroethene  
Concen: 18.866 ug/l  
RT: 10.62 min Scan# 2752  
Delta R.T. 0.00 min  
Lab File: VN059623.D  
Acq: 17 Dec 2019 14:46

Tgt Ion:164 Resp: 70624  
Ion Ratio Lower Upper  
164 100  
166 125.9 101.4 152.0  
129 100.6 80.2 120.4  
131 94.8 75.0 112.4





#65

Chlorobenzene

Concen: 21.435 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

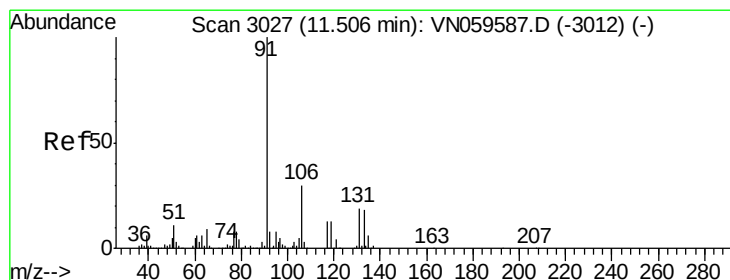
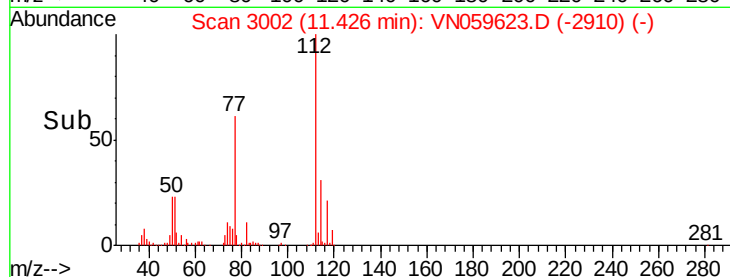
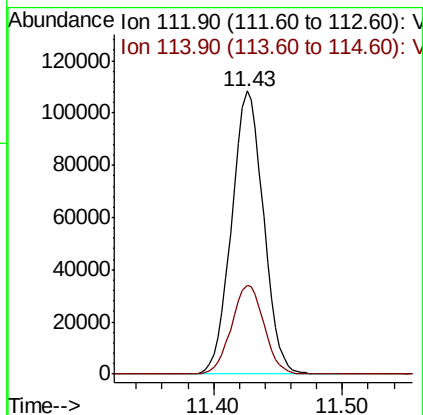
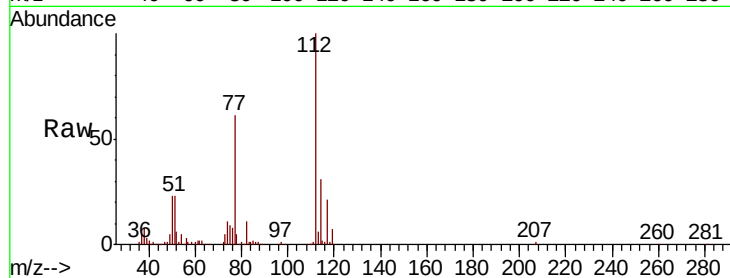
VN1217WBSD01

Tot Ion:112 Resp: 186248

Ion Ratio Lower Upper

112 100

114 31.5 25.8 38.8



#66

1,1,1,2-Tetrachloroethane

Concen: 22.021 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

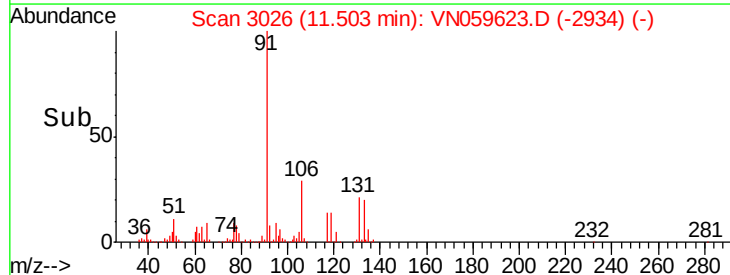
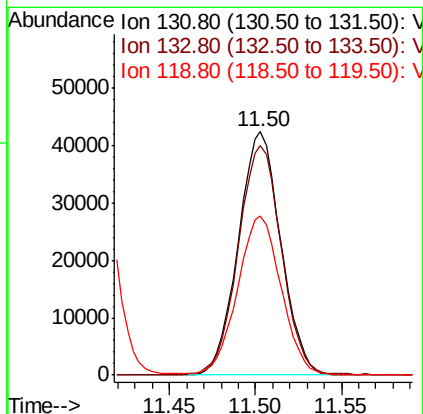
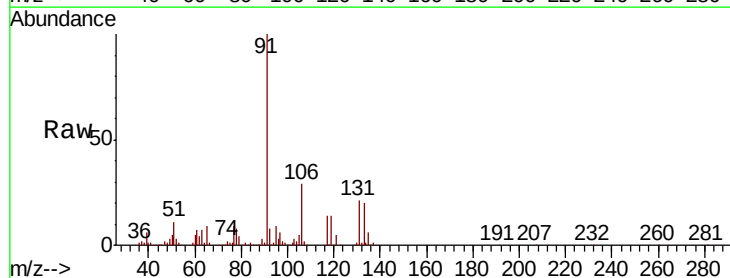
Tgt Ion:131 Resp: 72677

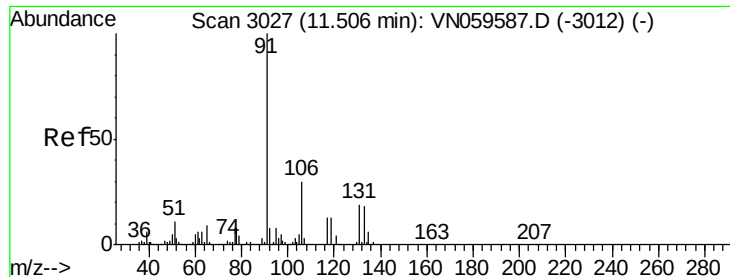
Ion Ratio Lower Upper

131 100

133 95.9 47.4 142.2

119 66.9 33.1 99.3





#67

Ethyl Benzene

Concen: 21.459 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

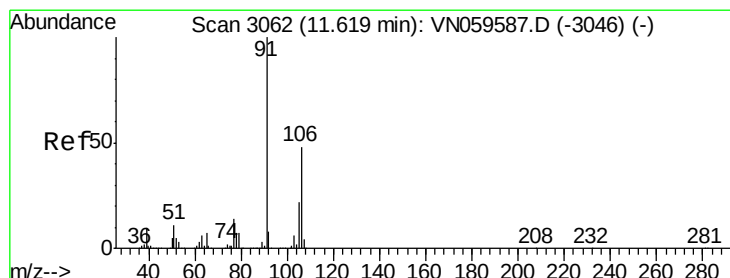
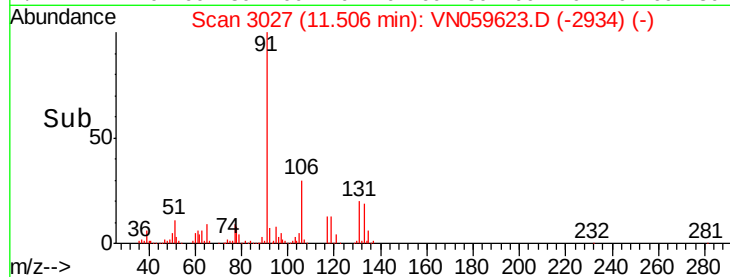
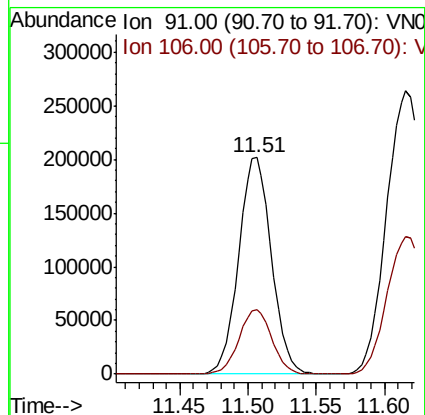
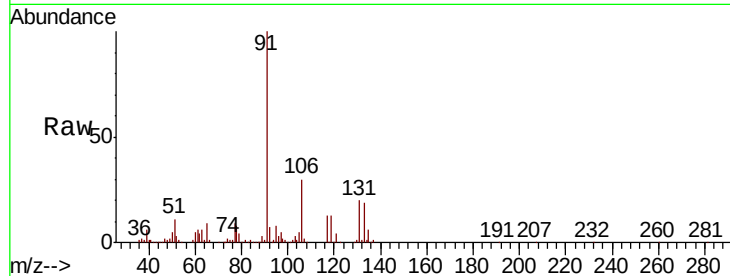
VN1217WBSD01

Tot Ion: 91 Resp: 336567

Ion Ratio Lower Upper

91 100

106 29.7 24.1 36.1



#68

m/p-Xylenes

Concen: 42.804 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059623.D

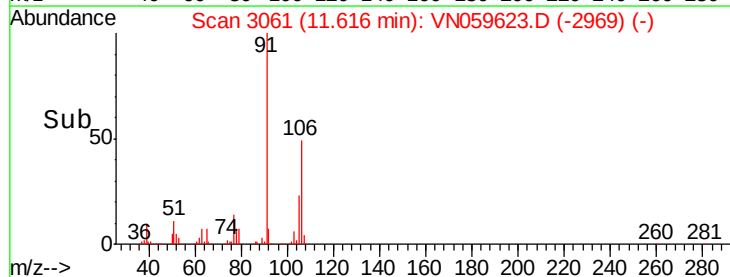
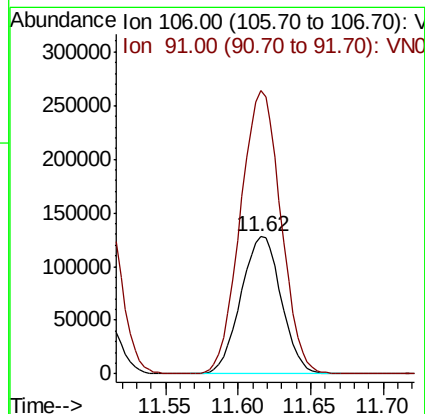
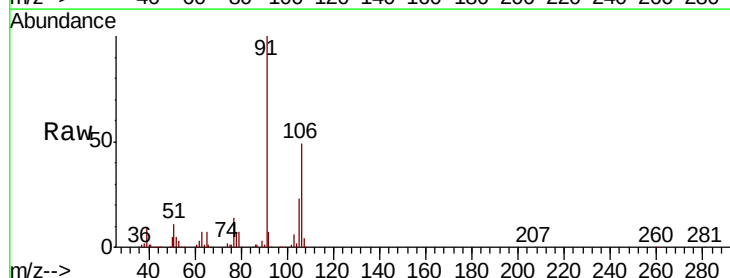
Acq: 17 Dec 2019 14:46

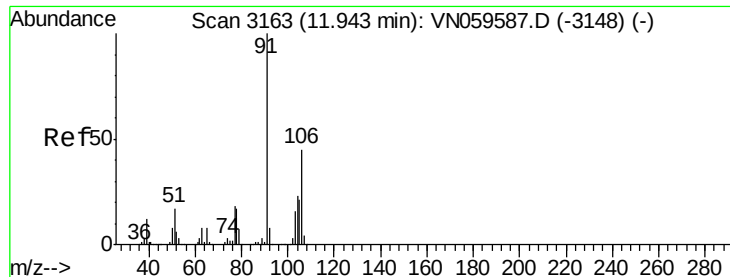
Tgt Ion: 106 Resp: 247906

Ion Ratio Lower Upper

106 100

91 206.3 167.9 251.9

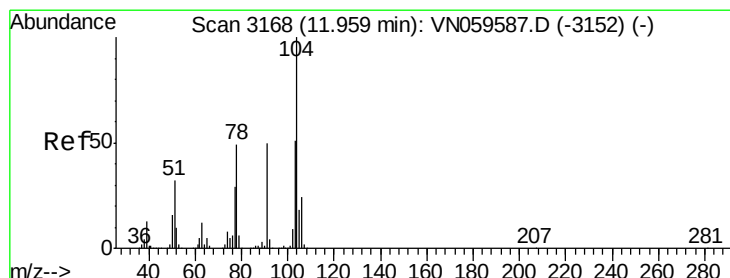
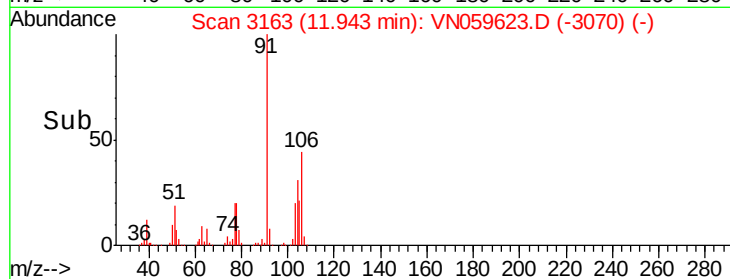
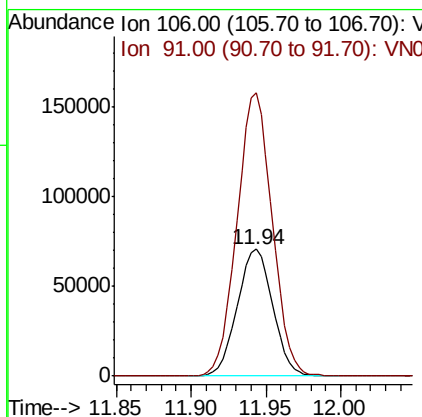
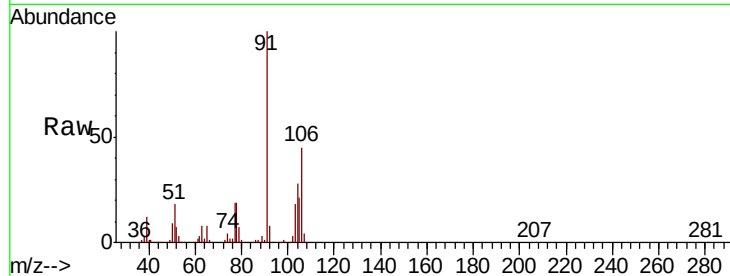




#69  
o-Xylene  
Concen: 21.307 ug/l  
RT: 11.94 min Scan# 3163  
Delta R.T. 0.00 min  
Lab File: VN059623.D  
Acq: 17 Dec 2019 14:46

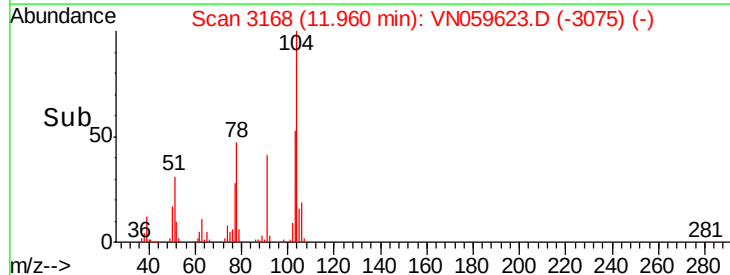
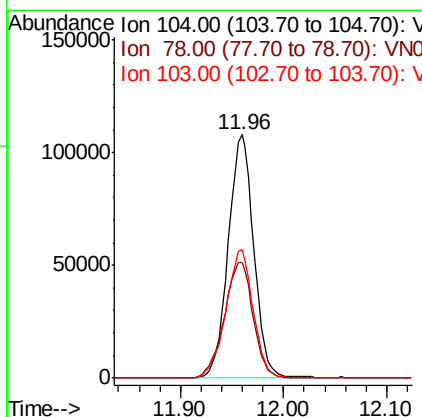
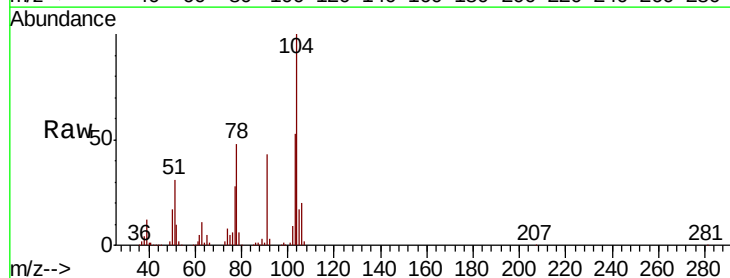
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1217WBSD01

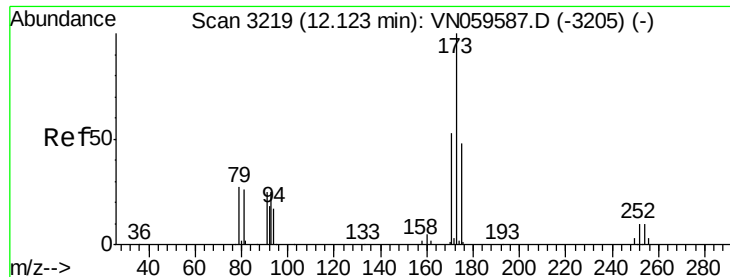
Tot Ion:106 Resp: 117416  
Ion Ratio Lower Upper  
106 100  
91 220.6 110.3 330.9



#70  
Styrene  
Concen: 21.084 ug/l  
RT: 11.96 min Scan# 3168  
Delta R.T. 0.00 min  
Lab File: VN059623.D  
Acq: 17 Dec 2019 14:46

Tgt Ion:104 Resp: 186678  
Ion Ratio Lower Upper  
104 100  
78 53.4 42.4 63.6  
103 56.3 43.9 65.9





#71

Bromoform

Concen: 22.571 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

VN1217WBSD01

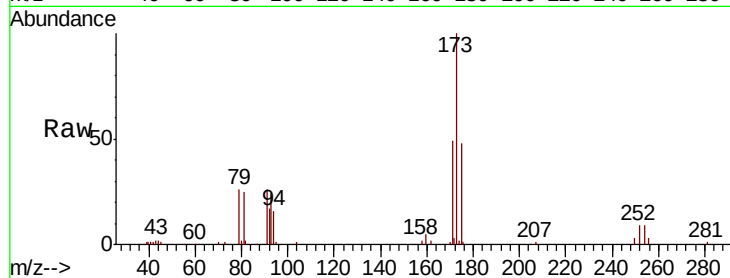
Tot Ion:173 Resp: 55997

Ion Ratio Lower Upper

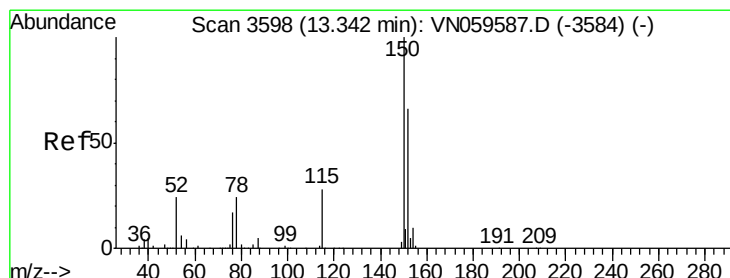
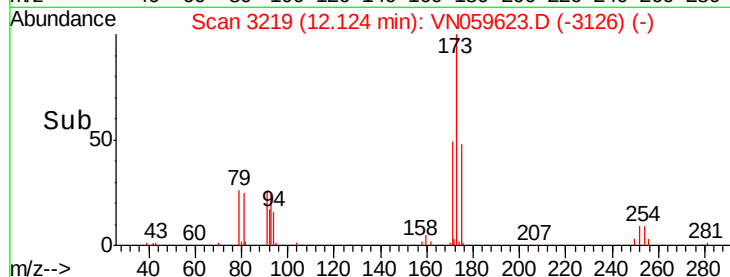
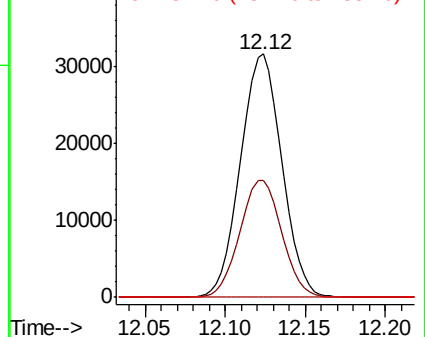
173 100

175 48.2 23.8 71.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

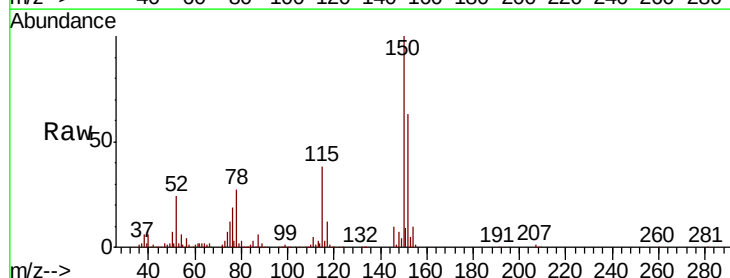
Tgt Ion:152 Resp: 187876

Ion Ratio Lower Upper

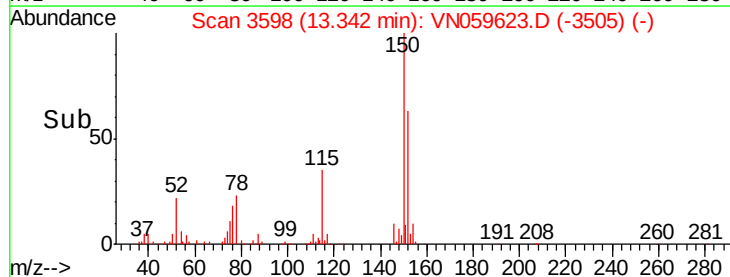
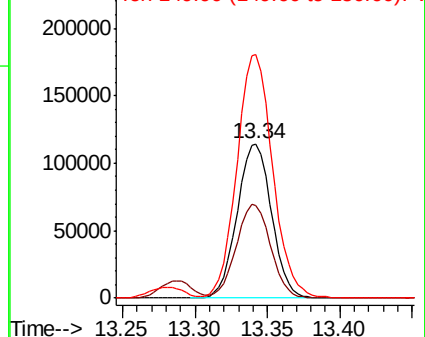
152 100

115 60.6 30.3 90.9

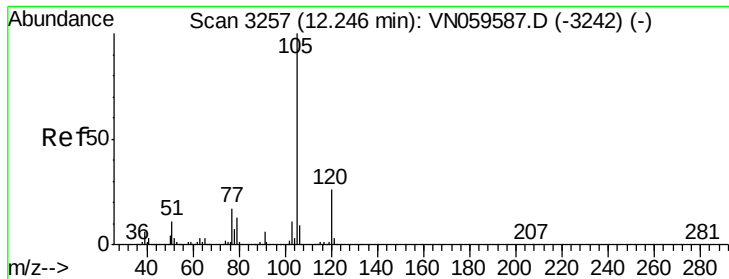
150 164.4 0.0 345.2



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







#73

Isopropylbenzene

Concen: 21.176 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

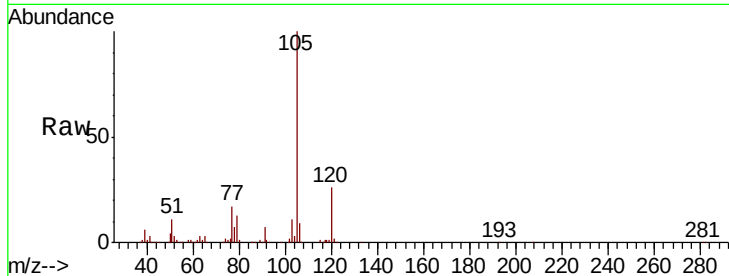
VN1217WBSD01

Tot Ion:105 Resp: 312312

Ion Ratio Lower Upper

105 100

120 26.0 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

0

12.25

12.20

12.15

12.10

12.05

12.00

11.95

11.90

11.85

11.80

11.75

11.70

11.65

11.60

11.55

11.50

11.45

11.40

11.35

11.30

11.25

11.20

11.15

11.10

11.05

11.00

10.95

10.85

10.75

10.65

10.55

10.45

10.35

10.25

10.15

10.10

10.05

10.00

9.95

9.90

9.85

9.80

9.75

9.70

9.65

9.60

9.55

9.50

9.45

9.40

9.35

9.30

9.25

9.20

9.15

9.10

9.05

9.00

8.95

8.90

8.85

8.80

8.75

8.70

8.65

8.60

8.55

8.50

8.45

8.40

8.35

8.30

8.25

8.20

8.15

8.10

8.05

8.00

7.95

7.90

7.85

7.80

7.75

7.70

7.65

7.60

7.55

7.50

7.45

7.40

7.35

7.30

7.25

7.20

7.15

7.10

7.05

7.00

6.95

6.90

6.85

6.80

6.75

6.70

6.65

6.60

6.55

6.50

6.45

6.40

6.35

6.30

6.25

6.20

6.15

6.10

6.05

6.00

5.95

5.90

5.85

5.80

5.75

5.70

5.65

5.60

5.55

5.50

5.45

5.40

5.35

5.30

5.25

5.20

5.15

5.10

5.05

5.00

4.95

4.90

4.85

4.80

4.75

4.70

4.65

4.60

4.55

4.50

4.45

4.40

4.35

4.30

4.25

4.20

4.15

4.10

4.05

4.00

3.95

3.90

3.85

3.80

3.75

3.70

3.65

3.60

3.55

3.50

3.45

3.40

3.35

3.30

3.25

3.20

3.15

3.10

3.05

3.00

2.95

2.90

2.85

2.80

2.75

2.70

2.65

2.60

2.55

2.50

2.45

2.40

2.35

2.30

2.25

2.20

2.15

2.10

2.05

2.00

1.95

1.90

1.85

1.80

1.75

1.70

1.65

1.60

1.55

1.50

1.45

1.40

1.35

1.30

1.25

1.20

1.15

1.10

1.05

1.00

0.95

0.90

0.85

0.80

0.75

0.70

0.65

0.60

0.55

0.50

0.45

0.40

0.35

0.30

0.25

0.20

0.15

0.10

0.05

0.00

-0.05

-0.10

-0.15

-0.20

-0.25

-0.30

-0.35

-0.40

-0.45

-0.50

-0.55

-0.60

-0.65

-0.70

-0.75

-0.80

-0.85

-0.90

-0.95

-1.00

-1.05

-1.10

-1.15

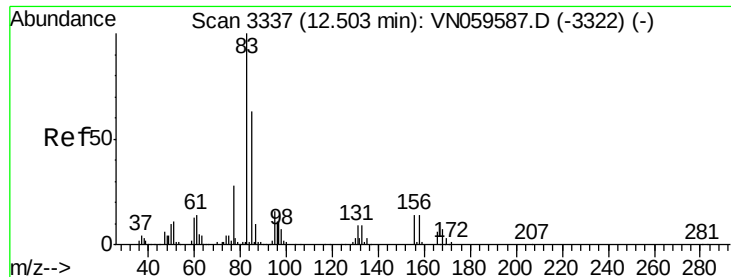
-1.20

-1.25

-1.30

-1.35

-1.40



#75

1,1,2,2-Tetrachloroethane

Concen: 22.003 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

VN1217WBSD01

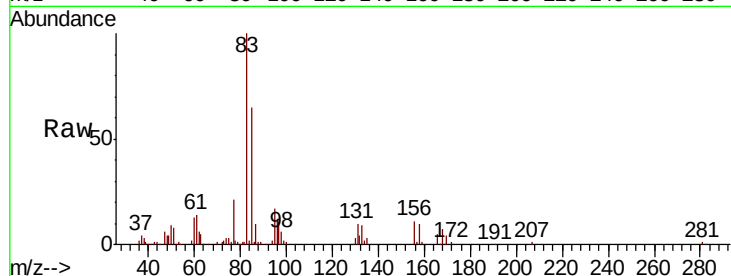
Tot Ion: 83 Resp: 102937

Ion Ratio Lower Upper

83 100

131 10.1 5.0 14.9

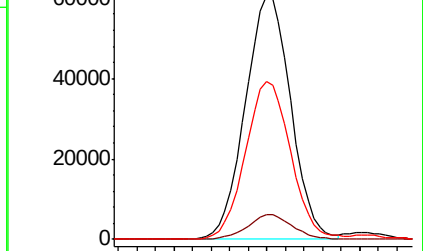
85 64.8 31.9 95.5



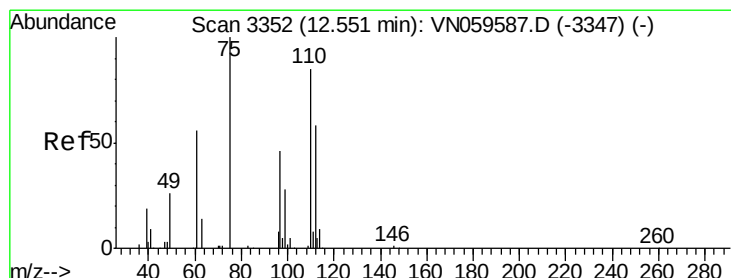
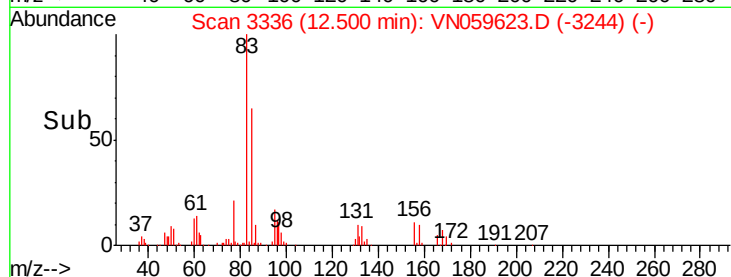
Abundance Ion 82.90 (82.60 to 83.60): VN059623.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059623.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059623.D (-3244) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 32.349 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN059623.D

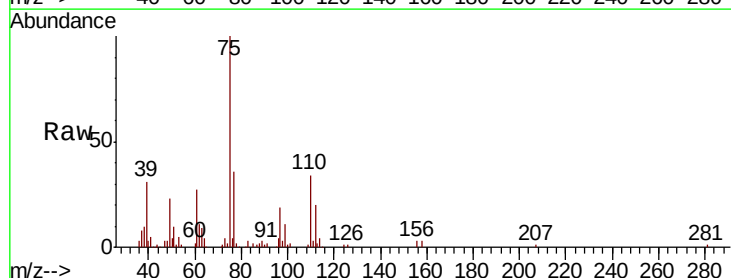
Acq: 17 Dec 2019 14:46

Tgt Ion: 75 Resp: 150453

Ion Ratio Lower Upper

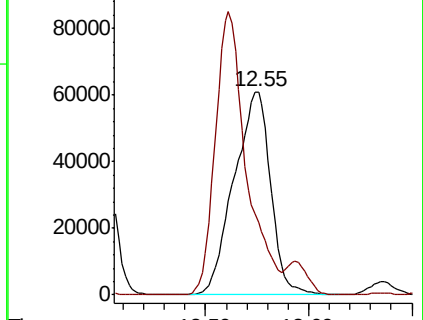
75 100

77 0.0 0.0 0.0

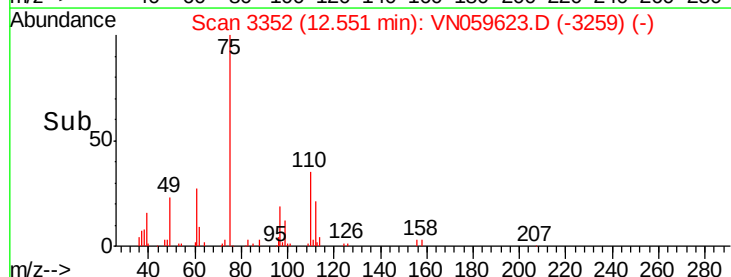


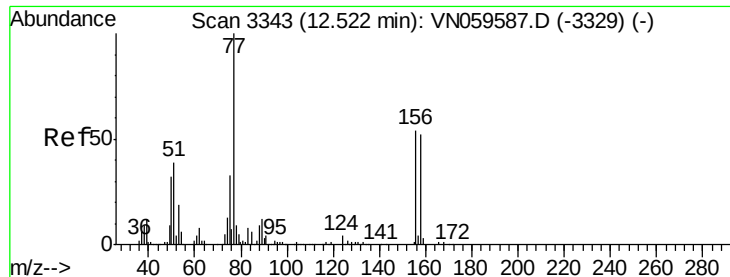
Abundance Ion 74.90 (74.60 to 75.60): VN059623.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN059623.D (-3259) (-)



Time-->





#77

Bromobenzene

Concen: 21.109 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

VN1217WBSD01

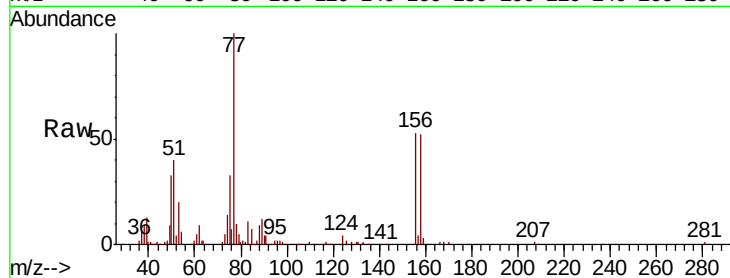
Tot Ion:156 Resp: 76562

Ion Ratio Lower Upper

156 100

77 232.5 115.8 347.4

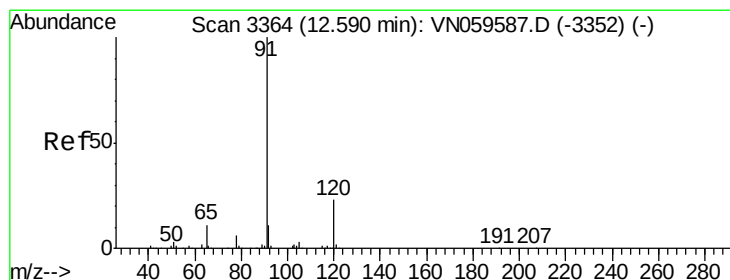
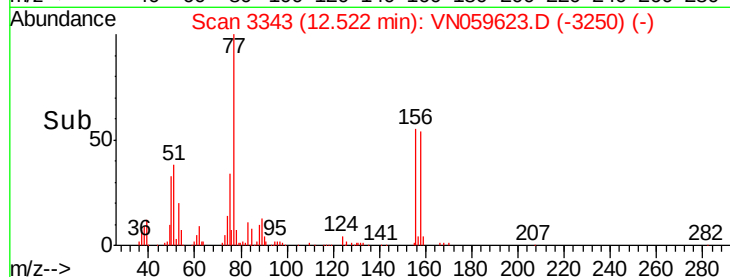
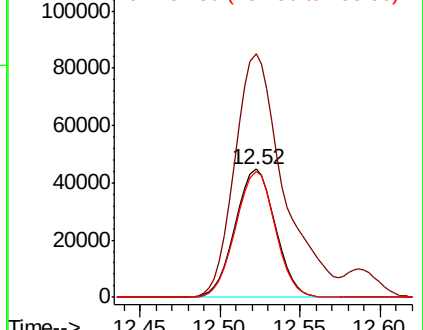
158 96.7 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.274 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059623.D

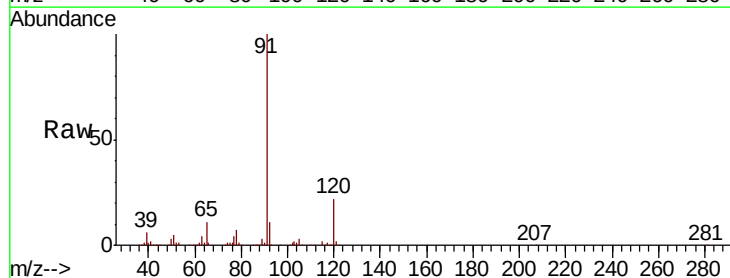
Acq: 17 Dec 2019 14:46

Tgt Ion: 91 Resp: 370891

Ion Ratio Lower Upper

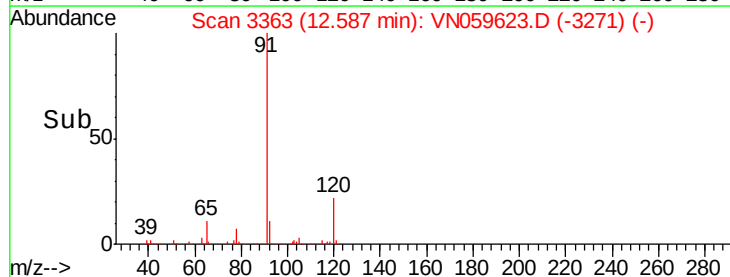
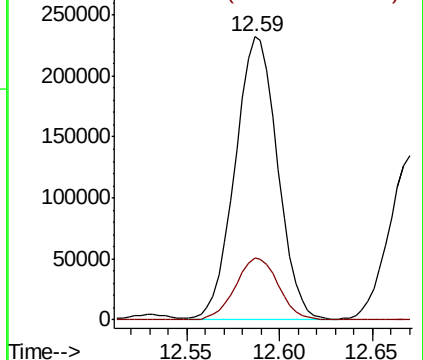
91 100

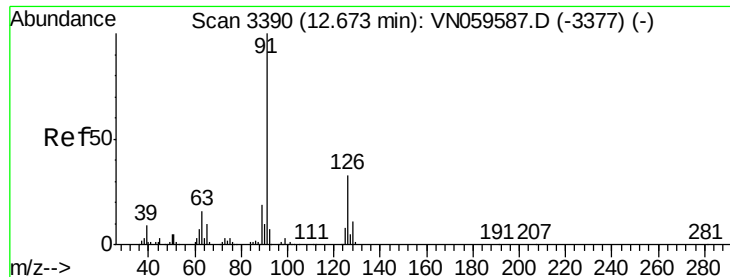
120 22.0 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

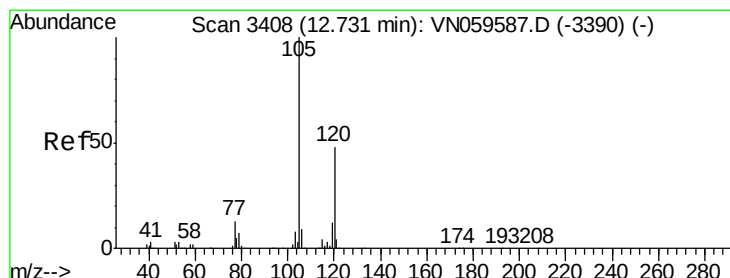
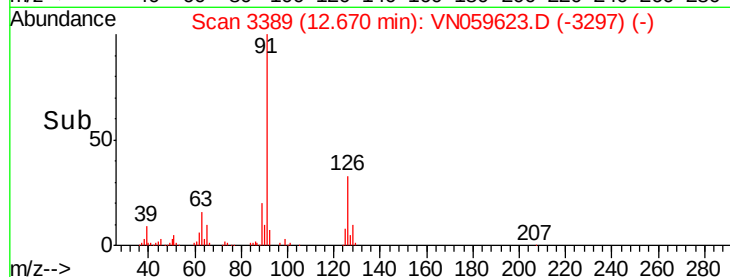
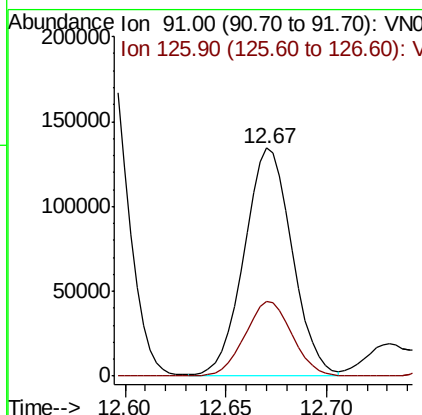
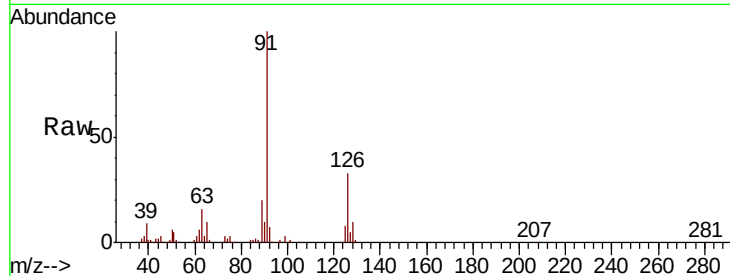




#79  
 2-Chlorotoluene  
 Concen: 21.148 ug/l  
 RT: 12.67 min Scan# 3389  
 Delta R.T. -0.00 min  
 Lab File: VN059623.D  
 Acq: 17 Dec 2019 14:46

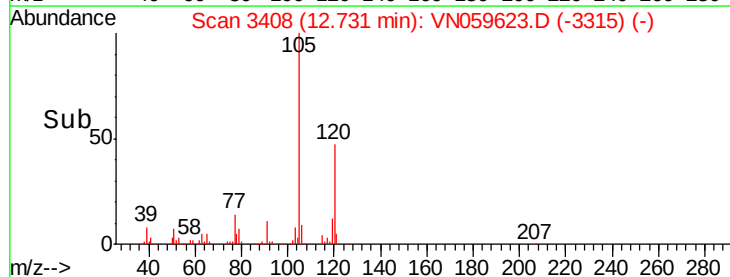
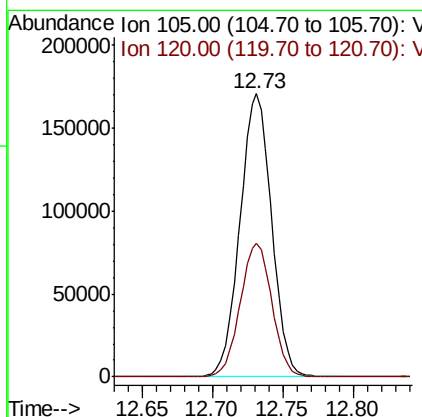
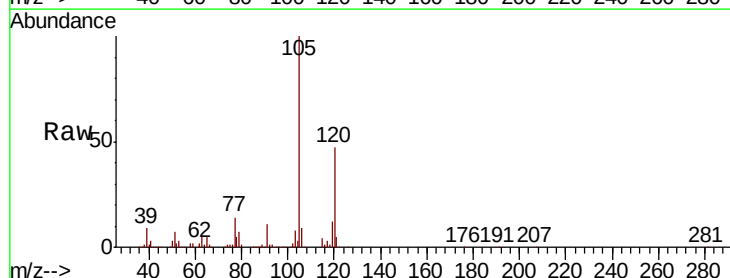
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1217WBSD01

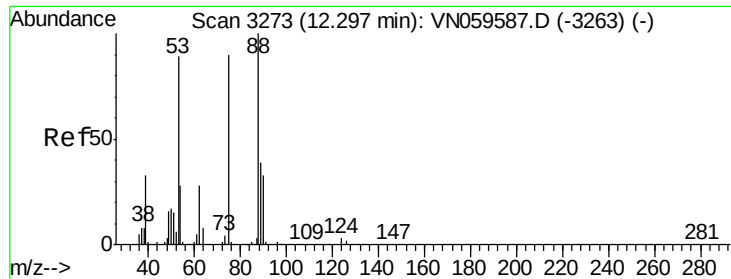
Tot Ion: 91 Resp: 222938  
 Ion Ratio Lower Upper  
 91 100  
 126 32.6 16.3 48.9



#80  
 1,3,5-Trimethylbenzene  
 Concen: 21.532 ug/l  
 RT: 12.73 min Scan# 3408  
 Delta R.T. 0.00 min  
 Lab File: VN059623.D  
 Acq: 17 Dec 2019 14:46

Tgt Ion: 105 Resp: 268742  
 Ion Ratio Lower Upper  
 105 100  
 120 47.3 24.1 72.4

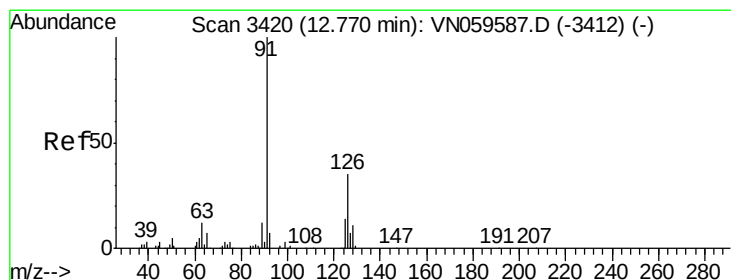
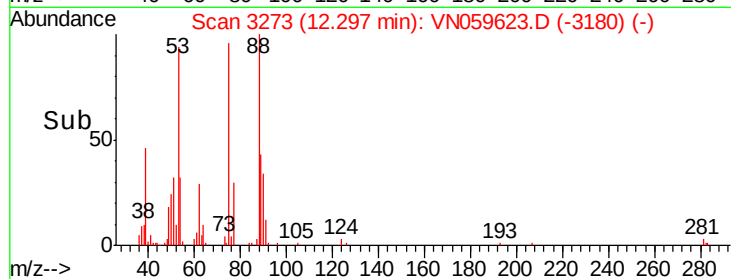
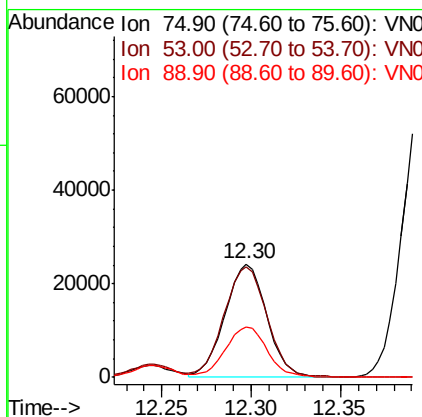
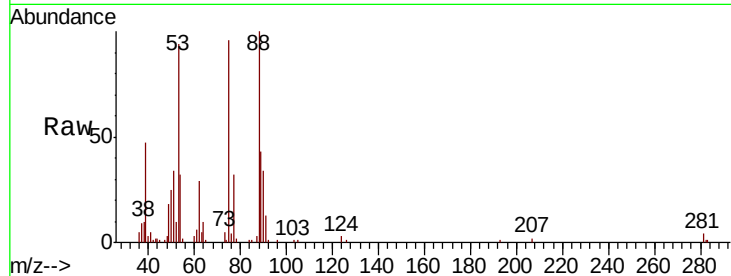




#81  
trans-1,4-Dichloro-2-butene  
Concen: 20.957 ug/l  
RT: 12.30 min Scan# 3273  
Delta R.T. 0.00 min  
Lab File: VN059623.D  
Acq: 17 Dec 2019 14:46

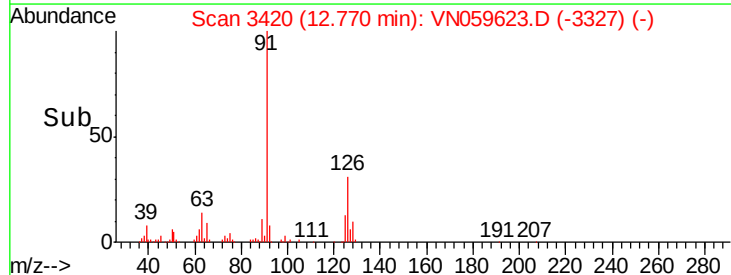
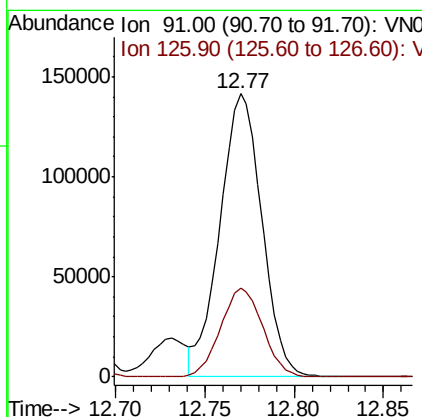
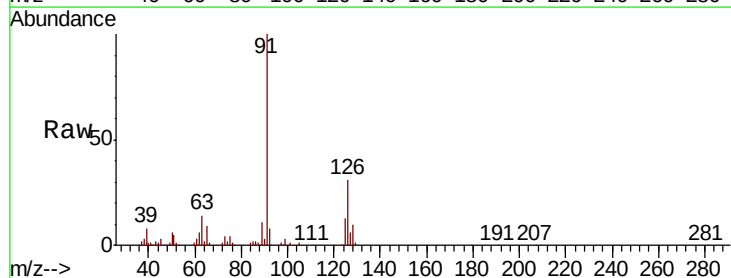
Instrument :  
MSVOA\_N  
ClientSampled :  
VN1217WBSD01

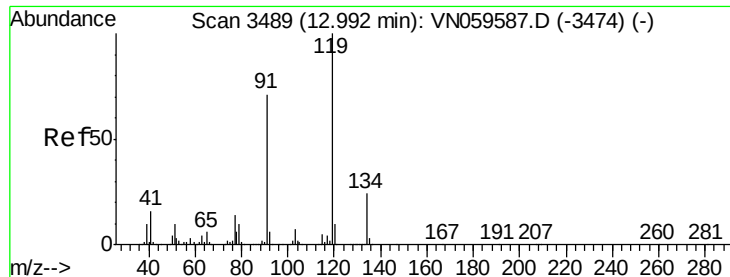
Tot Ion: 75 Resp: 39464  
Ion Ratio Lower Upper  
75 100  
53 100.8 78.1 117.1  
89 44.8 35.4 53.2



#82  
4-Chlorotoluene  
Concen: 21.293 ug/l  
RT: 12.77 min Scan# 3420  
Delta R.T. 0.00 min  
Lab File: VN059623.D  
Acq: 17 Dec 2019 14:46

Tgt Ion: 91 Resp: 229830  
Ion Ratio Lower Upper  
91 100  
126 31.8 16.3 48.8





#83

tert-Butylbenzene

Concen: 20.877 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

VN1217WBSD01

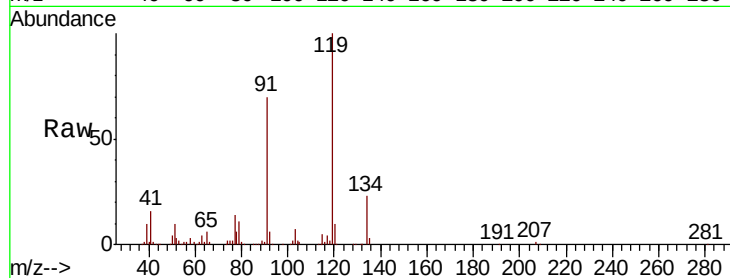
Tot Ion:119 Resp: 220664

Ion Ratio Lower Upper

119 100

91 69.5 34.8 104.4

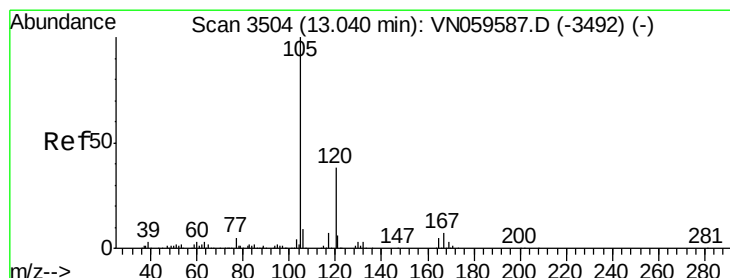
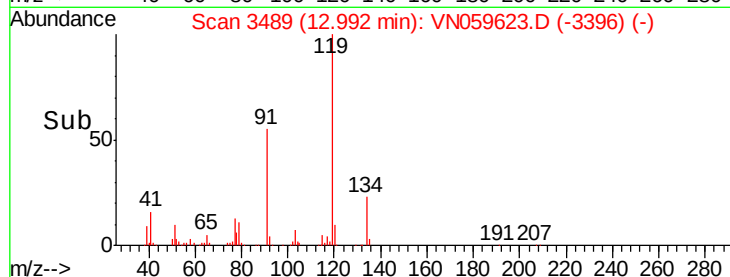
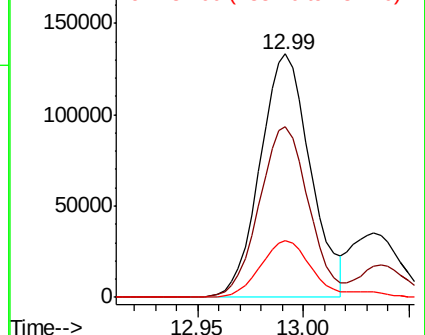
134 25.0 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.718 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN059623.D

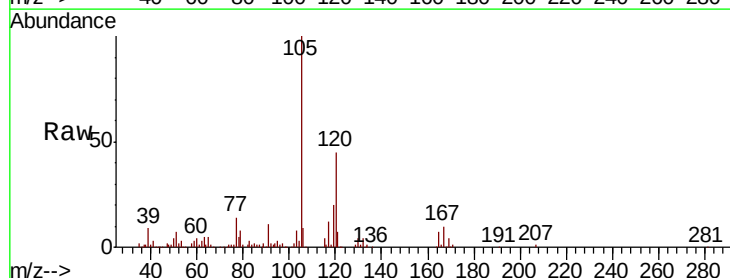
Acq: 17 Dec 2019 14:46

Tgt Ion:105 Resp: 269521

Ion Ratio Lower Upper

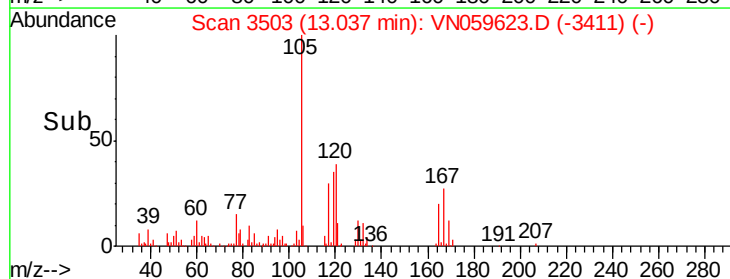
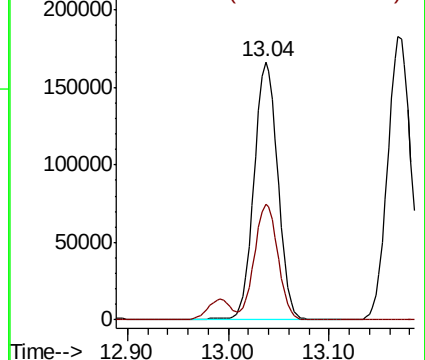
105 100

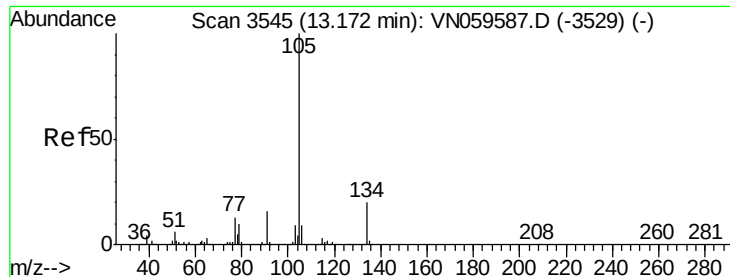
120 44.7 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.184 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

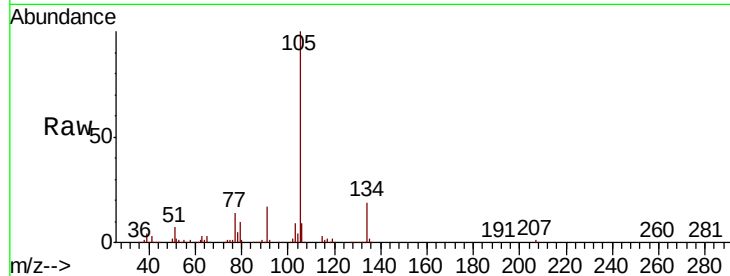
VN1217WBSD01

Tot Ion:105 Resp: 297834

Ion Ratio Lower Upper

105 100

134 19.0 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

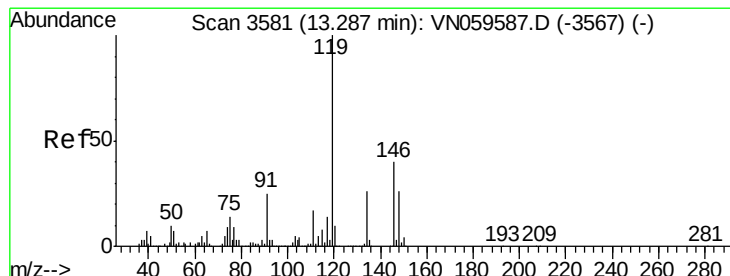
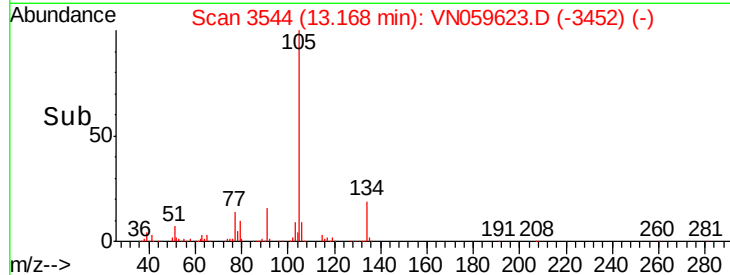
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.999 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

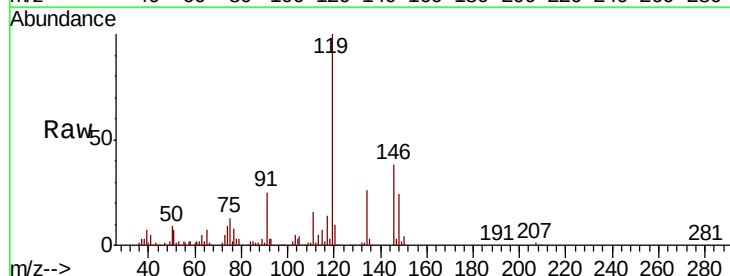
Tgt Ion:119 Resp: 267396

Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.7

91 24.8 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

200000

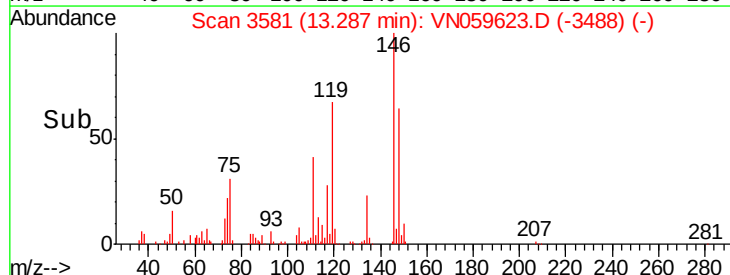
150000

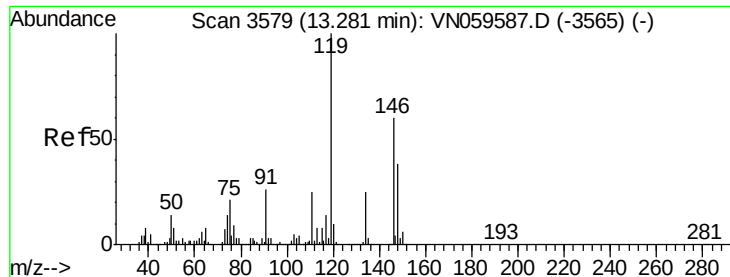
100000

50000

0

Time-->

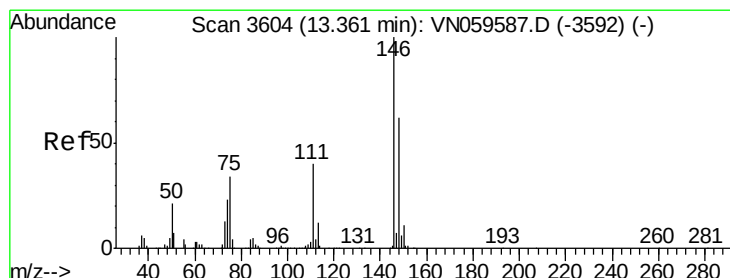
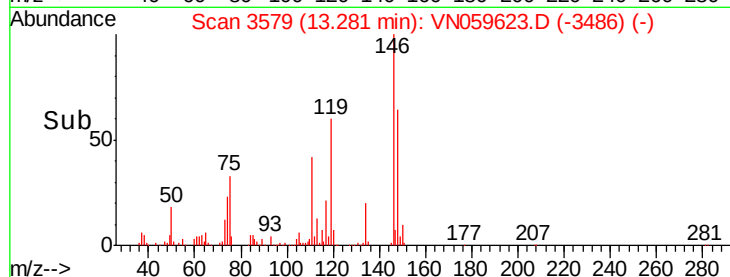
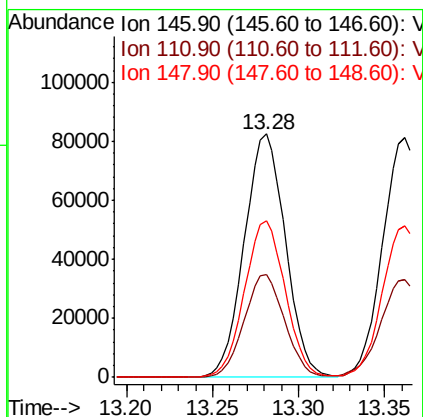
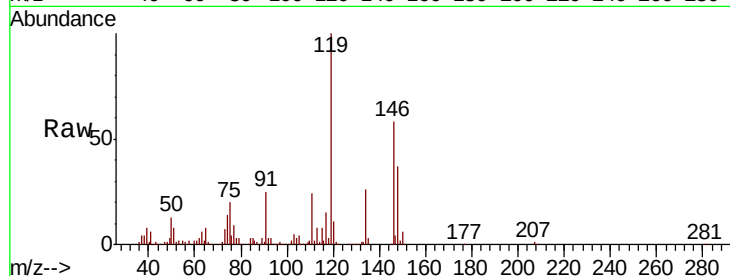




#87  
 1,3-Dichlorobenzene  
 Concen: 20.583 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. 0.00 min  
 Lab File: VN059623.D  
 Acq: 17 Dec 2019 14:46

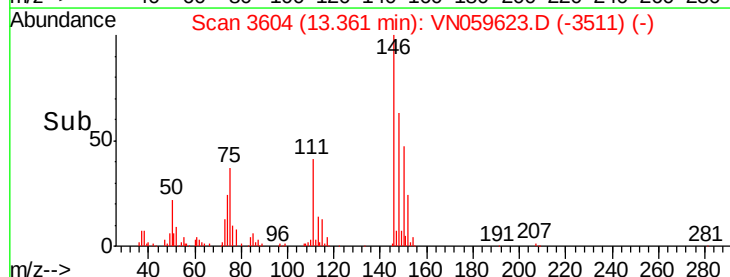
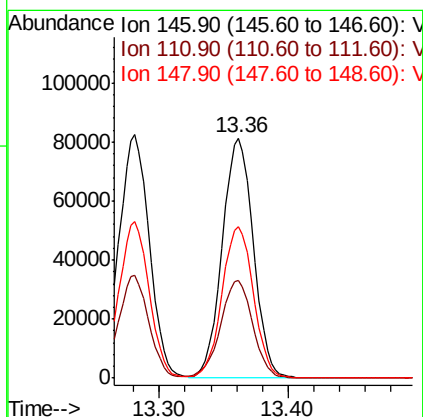
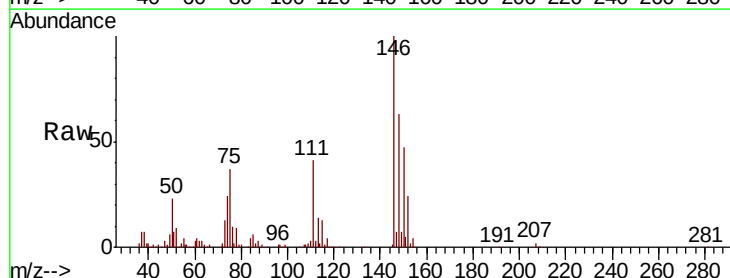
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1217WBSD01

Tot Ion:146 Resp: 137277  
 Ion Ratio Lower Upper  
 146 100  
 111 41.3 20.8 62.2  
 148 63.5 32.0 96.0

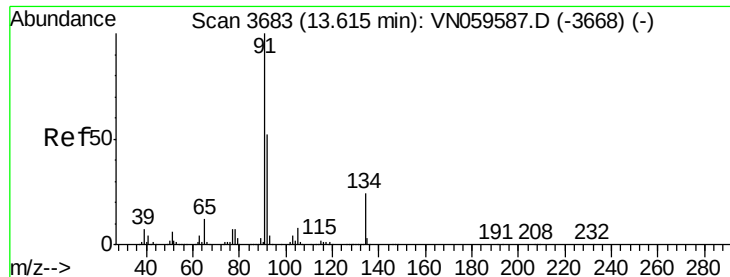


#88  
 1,4-Dichlorobenzene  
 Concen: 20.271 ug/l  
 RT: 13.36 min Scan# 3604  
 Delta R.T. 0.00 min  
 Lab File: VN059623.D  
 Acq: 17 Dec 2019 14:46

Tgt Ion:146 Resp: 136308  
 Ion Ratio Lower Upper  
 146 100  
 111 42.4 20.8 62.2  
 148 64.0 31.8 95.4







#89

n-Butylbenzene

Concen: 20.433 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

VN1217WBSD01

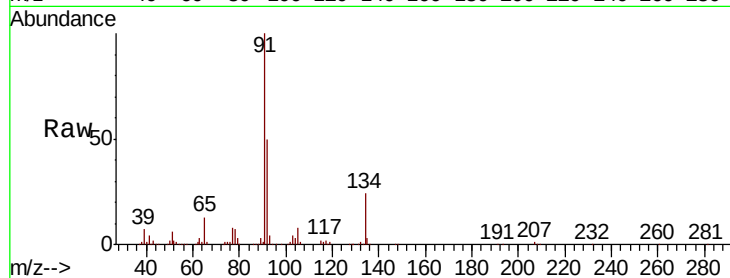
Tot Ion: 91 Resp: 243943

Ion Ratio Lower Upper

91 100

92 50.3 25.9 77.7

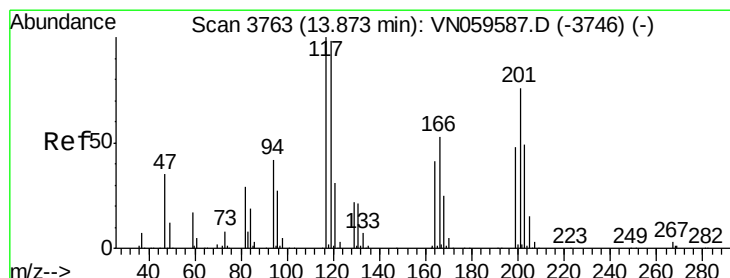
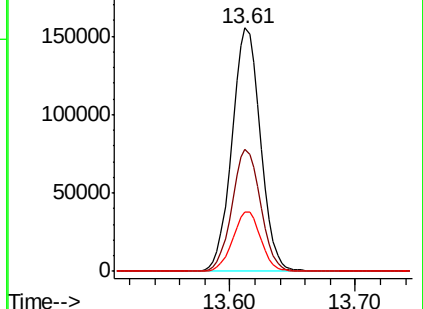
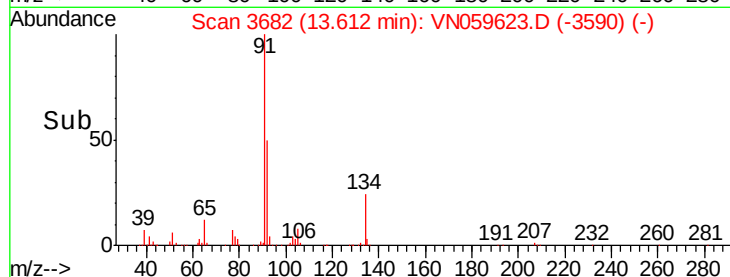
134 24.1 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059587.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059587.D (-3668) (-)



#90

Hexachloroethane

Concen: 21.477 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN059623.D

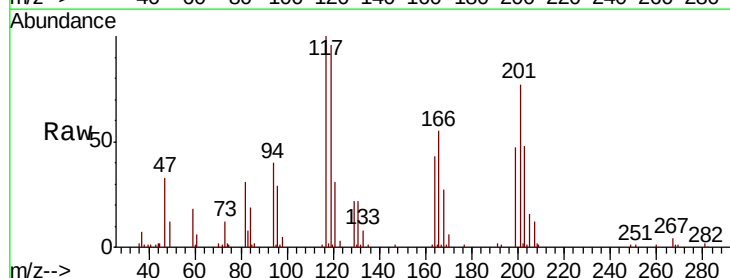
Acq: 17 Dec 2019 14:46

Tgt Ion: 117 Resp: 51695

Ion Ratio Lower Upper

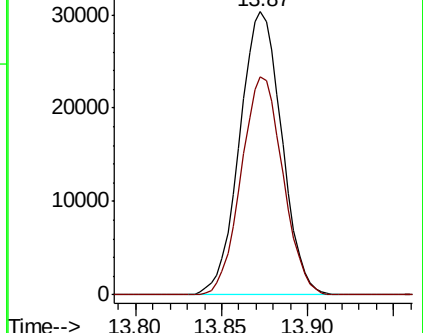
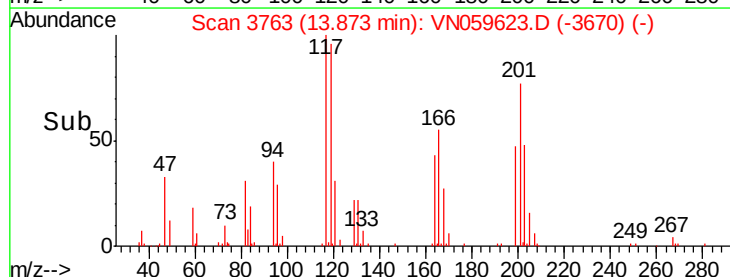
117 100

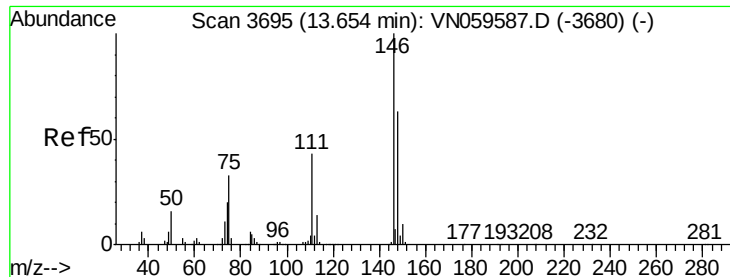
201 75.9 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN059587.D (-3746) (-)

Ion 200.70 (200.40 to 201.40): VN059587.D (-3746) (-)





#91

1,2-Dichlorobenzene

Concen: 20.439 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA\_N

ClientSampled :

VN1217WBSD01

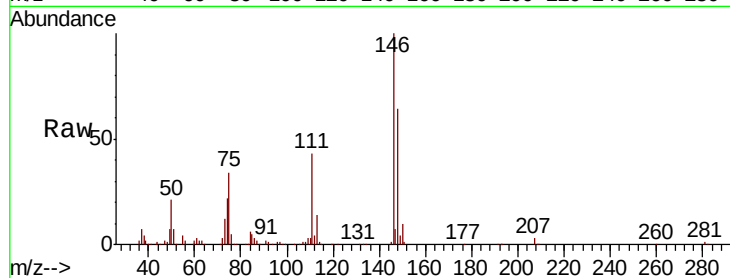
Tot Ion:146 Resp: 134437

Ion Ratio Lower Upper

146 100

111 43.4 21.6 64.8

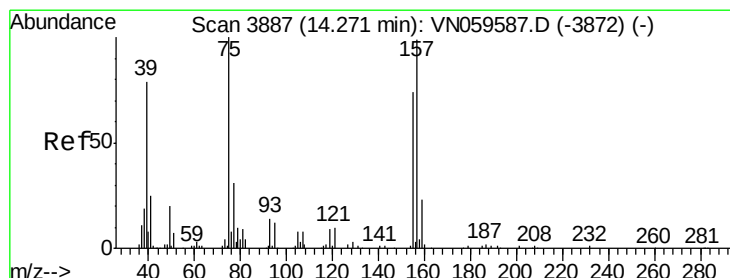
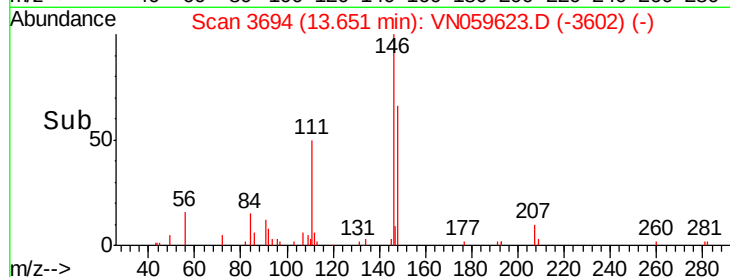
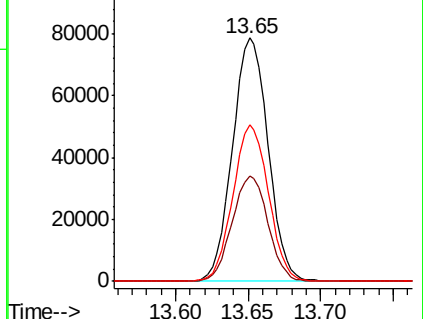
148 64.3 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.069 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

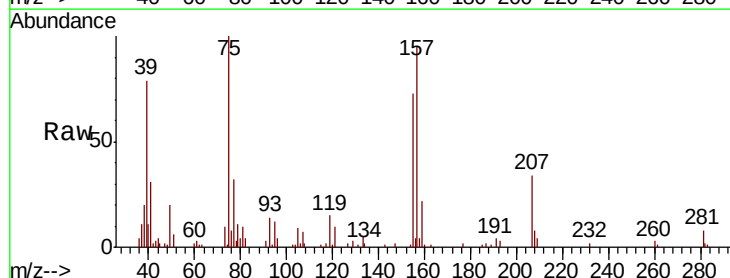
Tgt Ion: 75 Resp: 24880

Ion Ratio Lower Upper

75 100

155 72.5 37.0 110.9

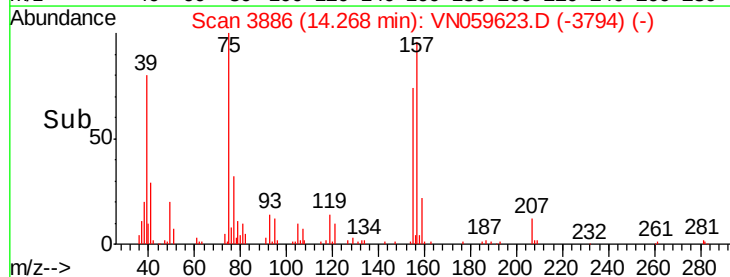
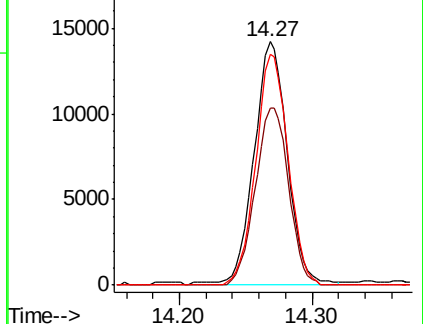
157 91.4 48.4 145.2

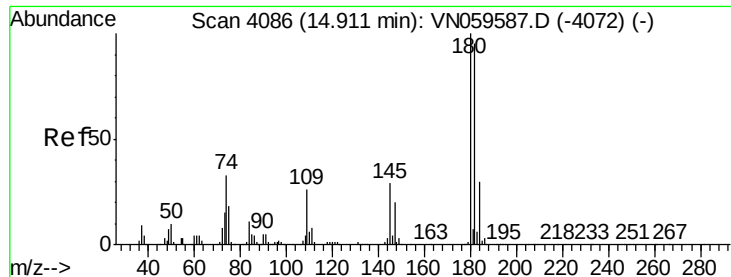


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

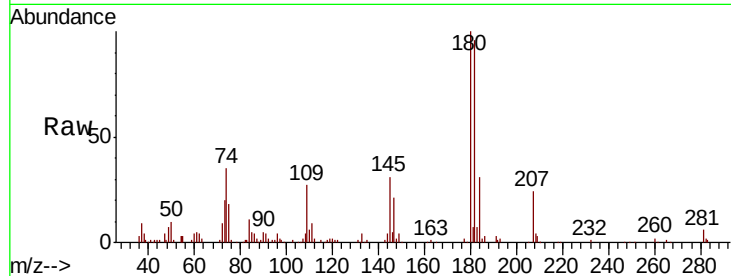




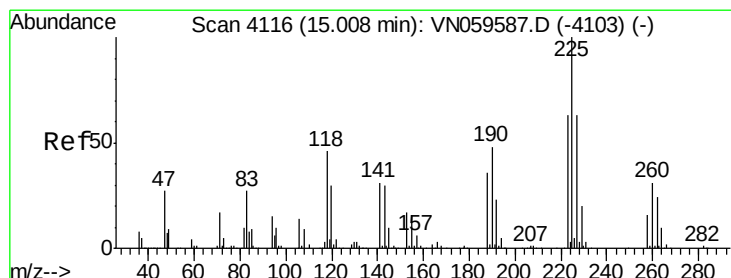
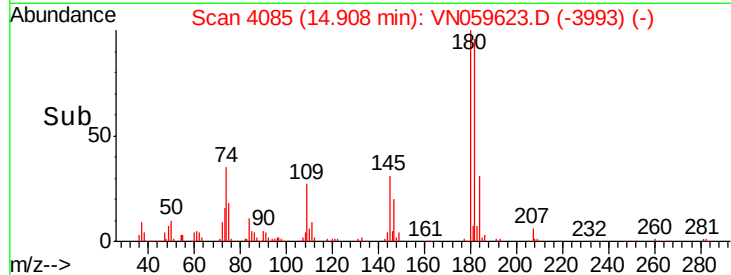
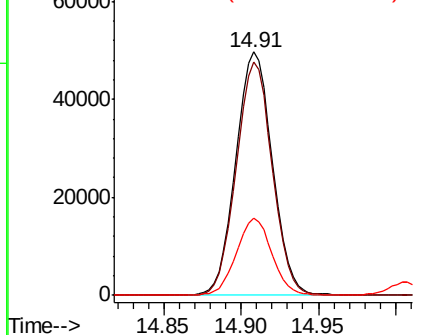
#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.181 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. -0.00 min  
 Lab File: VN059623.D  
 Acq: 17 Dec 2019 14:46

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1217WBSD01

Tot Ion:180 Resp: 81465  
 Ion Ratio Lower Upper  
 180 100  
 182 94.4 46.9 140.7  
 145 30.7 15.0 45.1

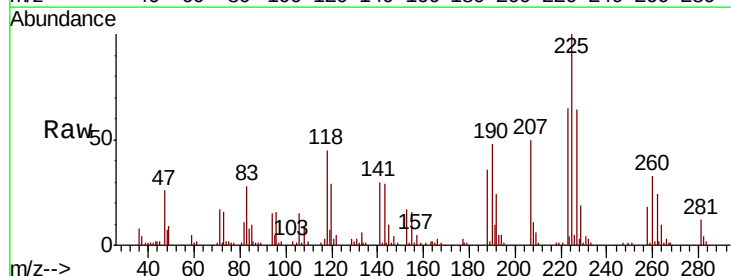


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

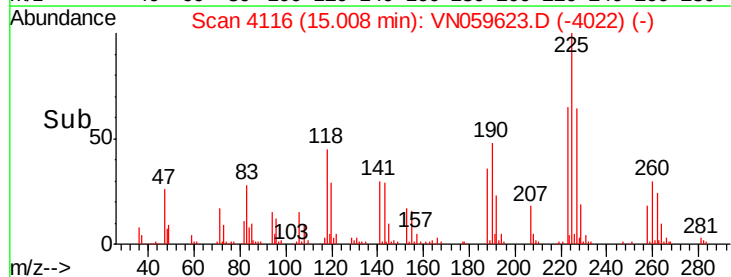
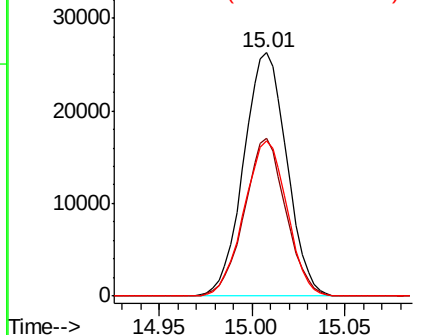


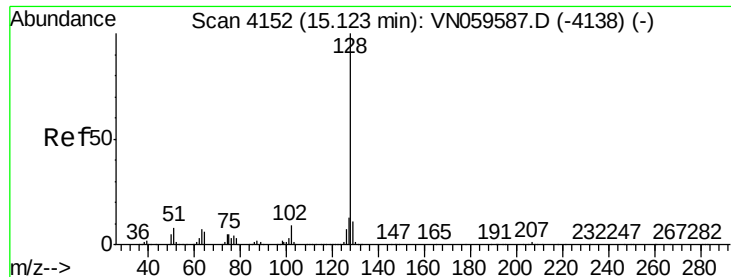
#94  
 Hexachlorobutadiene  
 Concen: 19.408 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN059623.D  
 Acq: 17 Dec 2019 14:46

Tgt Ion:225 Resp: 42335  
 Ion Ratio Lower Upper  
 225 100  
 223 62.4 31.8 95.3  
 227 63.4 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V

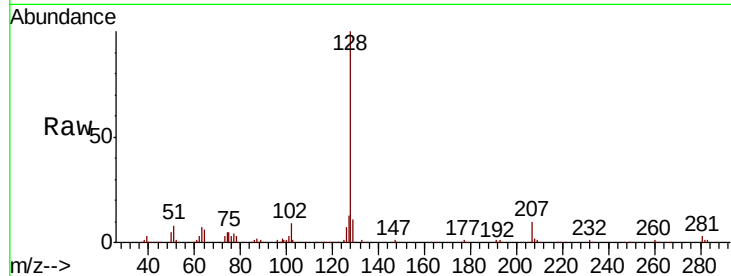




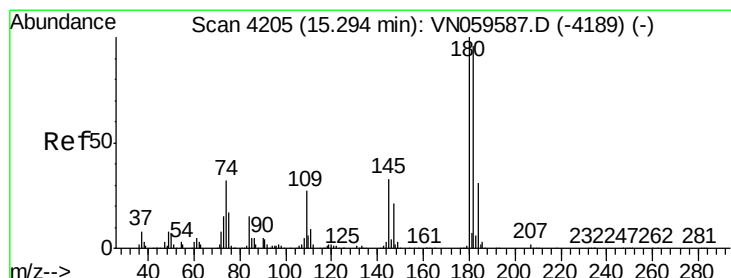
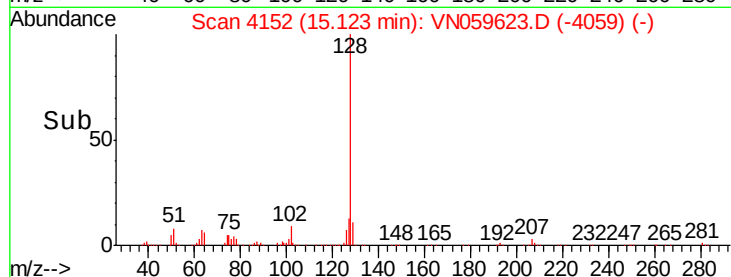
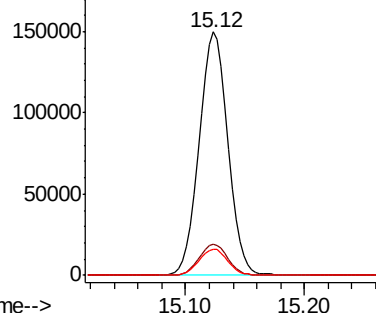
#95  
Naphthalene  
Concen: 19.766 ug/l  
RT: 15.12 min Scan# 4152  
Delta R.T. 0.00 min  
Lab File: VN059623.D  
Acq: 17 Dec 2019 14:46

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1217WBSD01

Tot Ion:128 Resp: 250616  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.4 15.6  
129 10.9 8.6 12.8

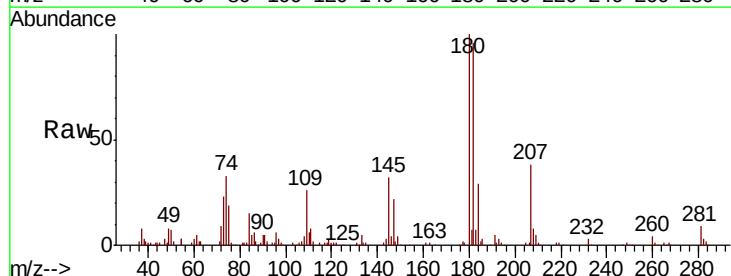


Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



#96  
1,2,3-Trichlorobenzene  
Concen: 19.635 ug/l  
RT: 15.29 min Scan# 4204  
Delta R.T. -0.00 min  
Lab File: VN059623.D  
Acq: 17 Dec 2019 14:46

Tgt Ion:180 Resp: 84346  
Ion Ratio Lower Upper  
180 100  
182 94.4 47.4 142.3  
145 32.2 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.90 (144.60 to 145.60): V

