

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\  
 Data File : VN064213.D  
 Acq On : 21 Oct 2020 11:21  
 Operator : JC/MD  
 Sample : VSTDIC020  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

Quant Time: Oct 21 12:08:12 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102120W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 21 12:00:10 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 268860   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 444470   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 398615   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.31 | 152  | 189861   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 71091    | 18.23 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 36.46% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 50654    | 16.49 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 32.98% |          |
| 50) Toluene-d8              | 10.06 | 98   | 176785   | 15.30 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 30.60% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 70524    | 17.25 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 34.50% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units  | Qvalue |
|-------------------------------|------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85   | 62335    | 23.463  | ug/l   | 93     |
| 3) Chloromethane              | 2.04 | 50   | 60597    | 18.879  | ug/l   | 100    |
| 4) Vinyl Chloride             | 2.16 | 62   | 60356    | 15.669  | ug/l   | 96     |
| 5) Bromomethane               | 2.54 | 94   | 38464    | 13.782  | ug/l   | 99     |
| 6) Chloroethane               | 2.67 | 64   | 35709    | 12.070  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 2.99 | 101  | 99737    | 18.336  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.38 | 74   | 32230    | 18.883  | ug/l   | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.72 | 101  | 51247    | 19.148  | ug/l   | 98     |
| 10) Methyl Iodide             | 3.91 | 142  | 68100    | 18.068  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 4.72 | 59   | 48886    | 108.664 | ug/l # | 92     |
| 12) 1,1-Dichloroethene        | 3.70 | 96   | 48449    | 18.044  | ug/l   | 98     |
| 13) Acrolein                  | 3.57 | 56   | 38461    | 112.713 | ug/l   | 98     |
| 14) Allyl chloride            | 4.28 | 41   | 93571    | 21.350  | ug/l   | 99     |
| 15) Acrylonitrile             | 4.93 | 53   | 104469   | 86.498  | ug/l   | 98     |
| 16) Acetone                   | 3.78 | 43   | 105819   | 91.780  | ug/l   | 100    |
| 17) Carbon Disulfide          | 4.01 | 76   | 137984   | 18.015  | ug/l   | 97     |
| 18) Methyl Acetate            | 4.28 | 43   | 53673    | 18.584  | ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 4.99 | 73   | 165468   | 20.559  | ug/l   | 93     |
| 20) Methylene Chloride        | 4.51 | 84   | 57171    | 16.414  | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene  | 4.99 | 96   | 52718    | 17.484  | ug/l   | 95     |
| 22) Diisopropyl ether         | 5.90 | 45   | 171129   | 20.615  | ug/l   | 94     |
| 23) Vinyl Acetate             | 5.84 | 43   | 794123   | 106.866 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 5.80 | 63   | 105243   | 18.507  | ug/l   | 98     |
| 25) 2-Butanone                | 6.78 | 43   | 168733   | 95.379  | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 6.78 | 77   | 103594   | 21.174  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 6.78 | 96   | 60604    | 17.136  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.15 | 49   | 49017    | 18.085  | ug/l   | 98     |
| 29) Tetrahydrofuran           | 7.17 | 42   | 101022   | 97.295  | ug/l   | 98     |
| 30) Chloroform                | 7.33 | 83   | 108360   | 17.984  | ug/l   | 97     |
| 31) Cyclohexane               | 7.61 | 56   | 86356    | 19.923  | ug/l   | 95     |
| 32) 1,1,1-Trichloroethane     | 7.53 | 97   | 103517   | 19.566  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.76 | 75   | 79661    | 18.437  | ug/l   | 98     |
| 37) Ethyl Acetate             | 6.88 | 43   | 77096    | 19.993  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.73 | 117  | 95319    | 20.185  | ug/l   | 96     |

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 Sample : VSTDIC020  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

Quant Time: Oct 21 12:08:12 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102120W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 21 12:00:10 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.05  | 83   | 73453    | 19.941  | ug/l   | 95       |
| 40) Benzene                    | 8.00  | 78   | 221469   | 17.194  | ug/l   | 97       |
| 41) Methacrylonitrile          | 7.12  | 41   | 33440    | 19.846  | ug/l   | 93       |
| 42) 1,2-Dichloroethane         | 8.09  | 62   | 96681    | 20.507  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.13  | 43   | 139233   | 21.329  | ug/l # | 91       |
| 44) Trichloroethene            | 8.80  | 130  | 61011    | 17.924  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.09  | 63   | 59778    | 17.555  | ug/l   | 99       |
| 46) Dibromomethane             | 9.18  | 93   | 40653    | 16.876  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.37  | 83   | 89764    | 18.845  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.17  | 41   | 69910    | 22.860  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.16  | 88   | 16770    | 373.756 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 9.95  | 43   | 369796   | 97.573  | ug/l   | 99       |
| 52) Toluene                    | 10.12 | 92   | 141021   | 17.784  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.35 | 75   | 99475    | 20.110  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.81  | 75   | 103992   | 19.281  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97   | 53604    | 16.392  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.40 | 69   | 84789    | 19.965  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.68 | 76   | 96456    | 17.771  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.66  | 63   | 225869   | 106.129 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.72 | 43   | 266927   | 99.997  | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.87 | 129  | 66993    | 17.988  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 10.97 | 107  | 58502    | 17.575  | ug/l   | 96       |
| 64) Tetrachloroethene          | 10.60 | 164  | 59494    | 19.576  | ug/l   | 92       |
| 65) Chlorobenzene              | 11.41 | 112  | 152353   | 18.116  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.48 | 131  | 60867    | 18.931  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.48 | 91   | 282904   | 19.865  | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.59 | 106  | 208756   | 39.656  | ug/l   | 97       |
| 69) o-Xylene                   | 11.92 | 106  | 101597   | 20.033  | ug/l   | 99       |
| 70) Styrene                    | 11.94 | 104  | 168060   | 19.894  | ug/l   | 98       |
| 71) Bromoform                  | 12.10 | 173  | 47756    | 19.852  | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.22 | 105  | 267756   | 19.184  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.04 | 43   | 118611   | 22.004  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.48 | 83   | 71753    | 15.370  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.53 | 75   | 108075   | 23.941  | ug/l # | 100      |
| 77) Bromobenzene               | 12.50 | 156  | 64057    | 17.241  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.57 | 91   | 301629   | 19.356  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.65 | 91   | 186270   | 18.794  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.71 | 105  | 224265   | 19.954  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.27 | 75   | 27633    | 18.464  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 12.75 | 91   | 194359   | 19.400  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.97 | 119  | 186485   | 20.066  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.01 | 105  | 230719   | 20.923  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.14 | 105  | 231045   | 19.381  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.26 | 119  | 216858   | 20.772  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.26 | 146  | 109328   | 17.569  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.34 | 146  | 108046   | 16.941  | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.59 | 91   | 188996   | 21.278  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.85 | 117  | 37114    | 18.584  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.63 | 146  | 107890   | 17.469  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.24 | 75   | 17844    | 19.045  | ug/l   | 96       |

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Sample : VSTDIC020  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 4 Sample Multiplier: 1

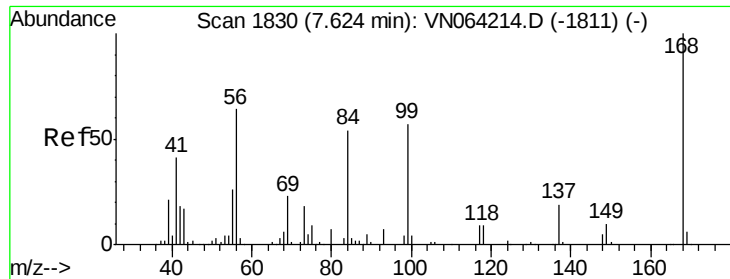
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

Quant Time: Oct 21 12:08:12 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102120W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 21 12:00:10 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.88 | 180  | 60807    | 23.086 | ug/l  | 96       |
| 94) Hexachlorobutadiene    | 14.98 | 225  | 32098    | 20.805 | ug/l  | 98       |
| 95) Naphthalene            | 15.10 | 128  | 190131   | 24.205 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.28 | 180  | 59585    | 22.802 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA\_N

ClientSampleId :

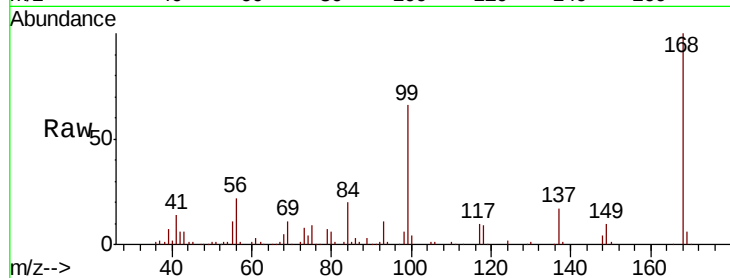
VSTDIC020

Tot Ion:168 Resp: 268860

Ion Ratio Lower Upper

168 100

99 65.3 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

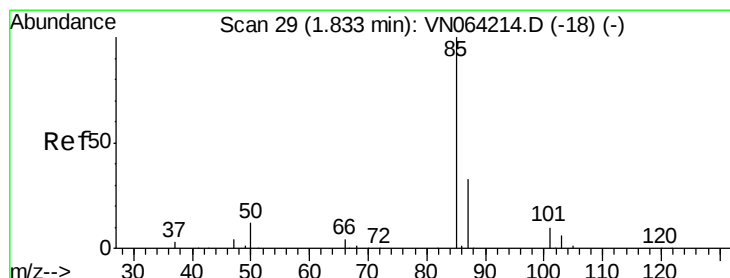
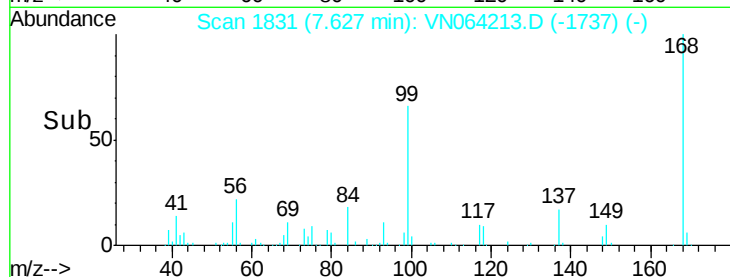
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 23.463 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064213.D

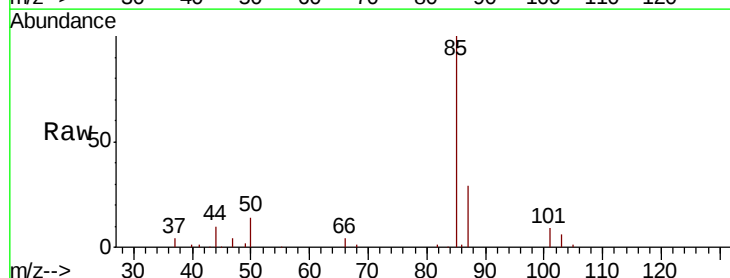
Acq: 21 Oct 2020 11:21

Tgt Ion: 85 Resp: 62335

Ion Ratio Lower Upper

85 100

87 29.3 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

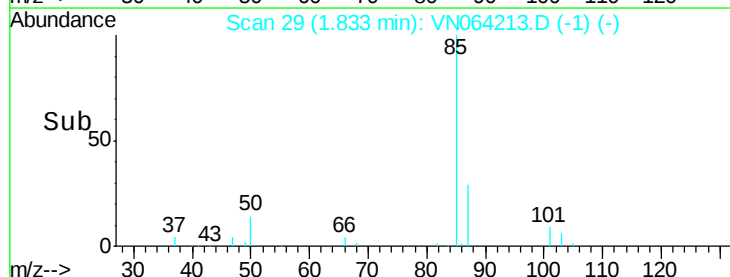
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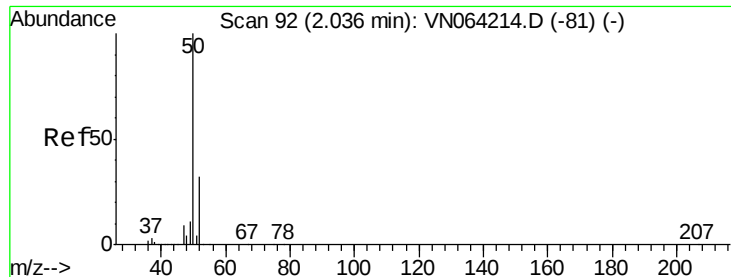
20000

10000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 18.879 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA\_N

ClientSampleId :

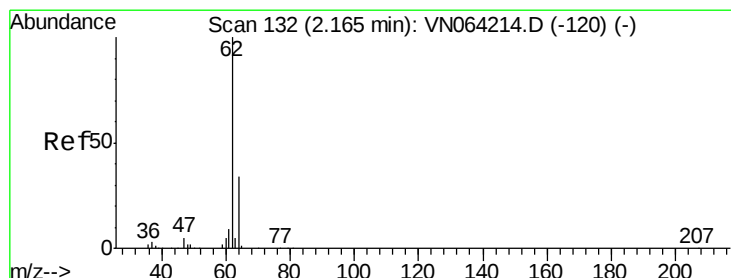
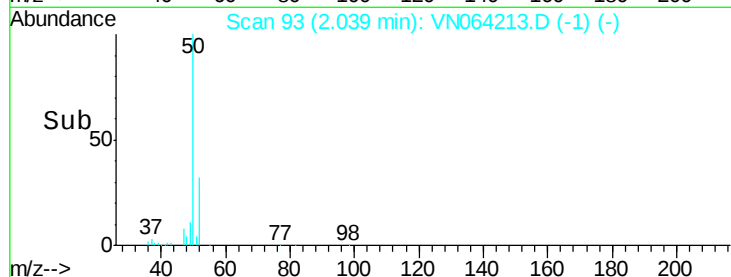
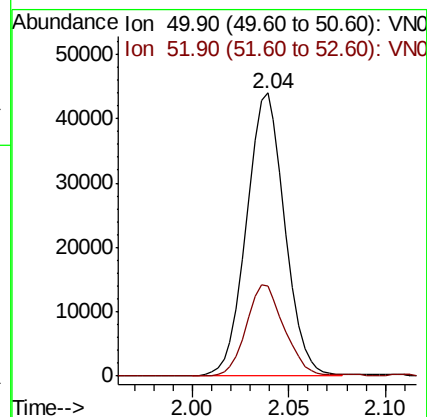
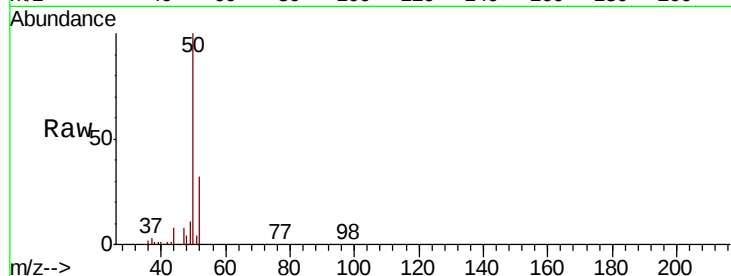
VSTDIC020

Tot Ion: 50 Resp: 60597

Ion Ratio Lower Upper

50 100

52 31.8 25.3 37.9



#4

Vinyl Chloride

Concen: 15.669 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064213.D

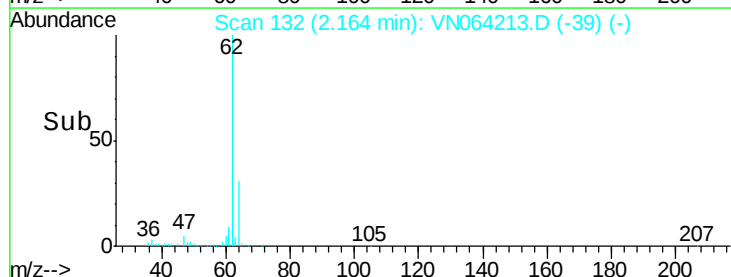
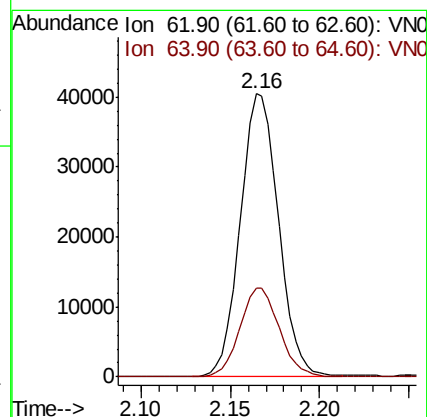
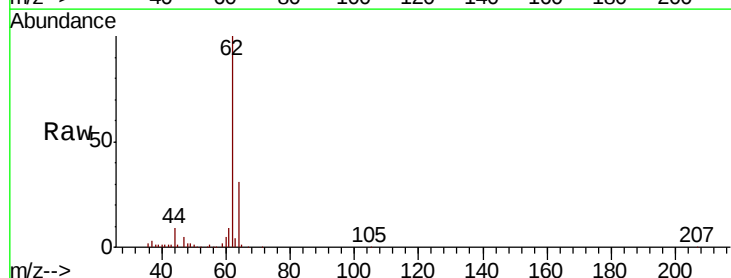
Acq: 21 Oct 2020 11:21

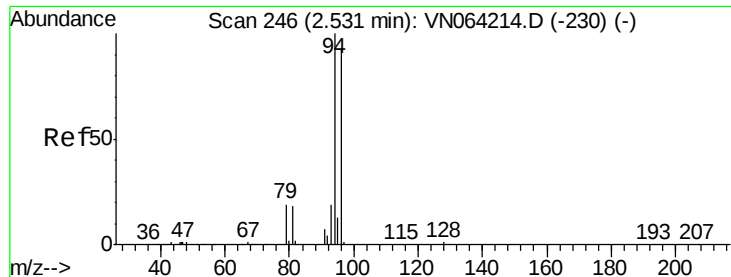
Tgt Ion: 62 Resp: 60356

Ion Ratio Lower Upper

62 100

64 31.4 26.8 40.2





#5

Bromomethane

Concen: 13.782 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA\_N

ClientSampleId :

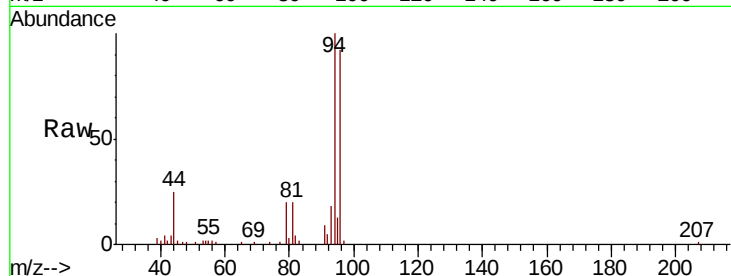
VSTDIC020

Tot Ion: 94 Resp: 38464

Ion Ratio Lower Upper

94 100

96 91.9 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VN064213.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN064213.D (-153) (-)

2.54

20000

15000

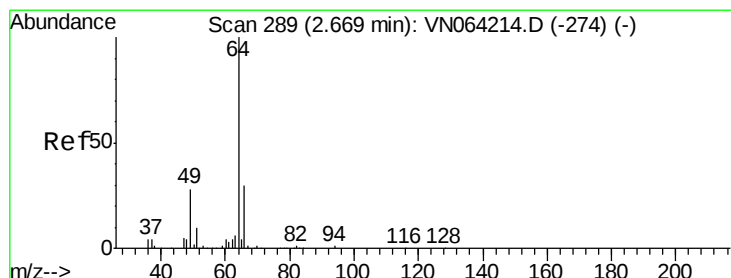
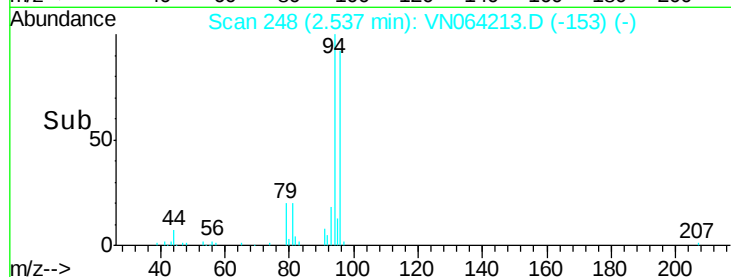
10000

5000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 12.070 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064213.D

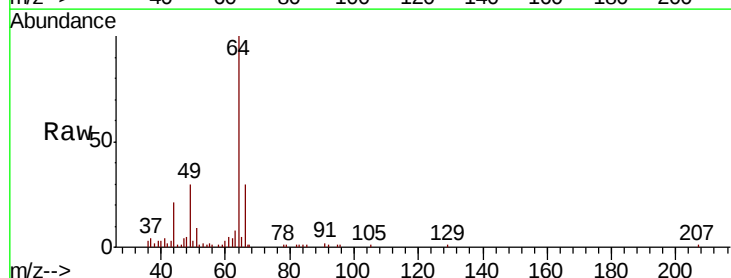
Acq: 21 Oct 2020 11:21

Tgt Ion: 64 Resp: 35709

Ion Ratio Lower Upper

64 100

66 29.9 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VN064213.D (-196) (-)

Ion 65.90 (65.60 to 66.60): VN064213.D (-196) (-)

2.67

20000

15000

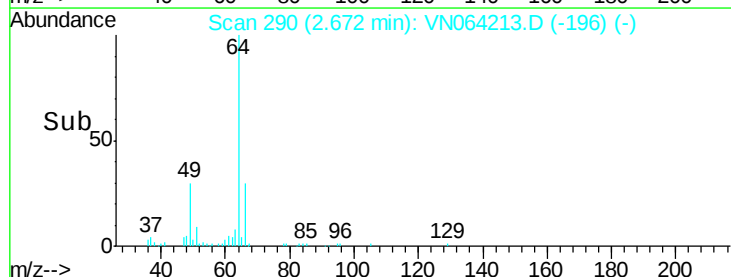
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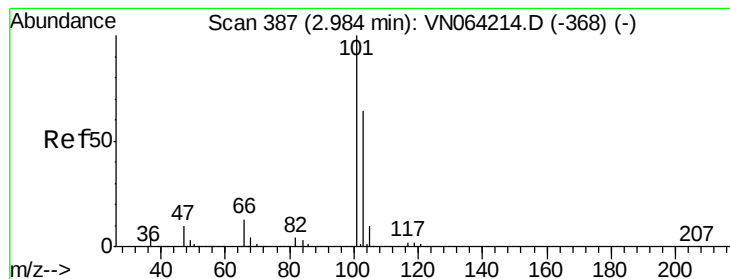
5000

0

Time-->

2.60 2.65 2.70 2.75





#7

Trichlorofluoromethane

Concen: 18.336 ug/l

RT: 2.99 min Scan# 388

Delta R.T. 0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA\_N

ClientSampled :

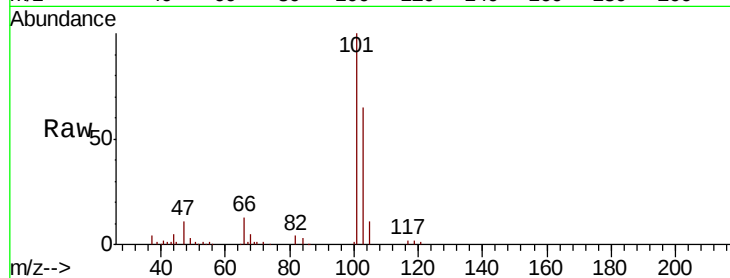
VSTDIC020

Tot Ion:101 Resp: 99737

Ion Ratio Lower Upper

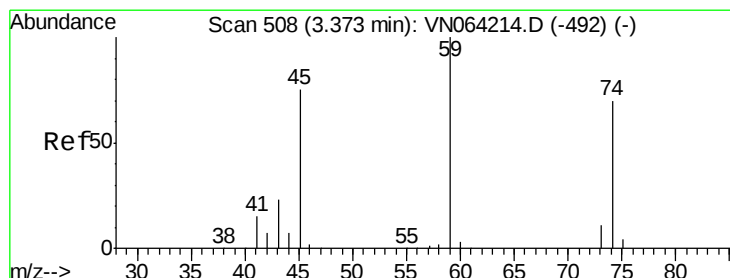
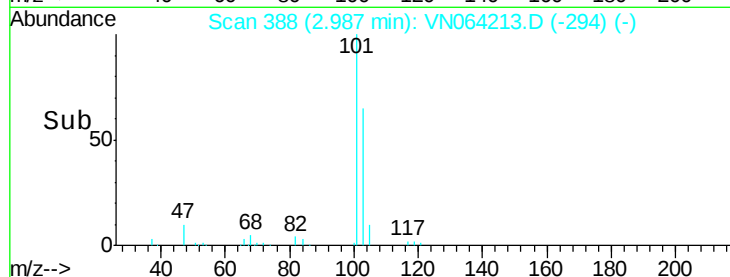
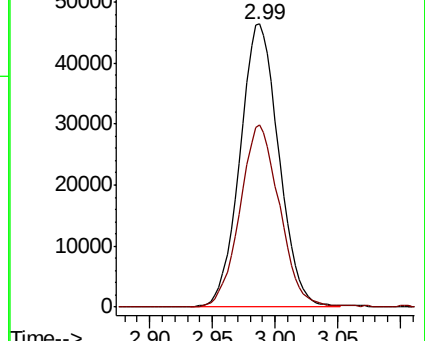
101 100

103 64.6 51.0 76.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 18.883 ug/l

RT: 3.38 min Scan# 509

Delta R.T. 0.00 min

Lab File: VN064213.D

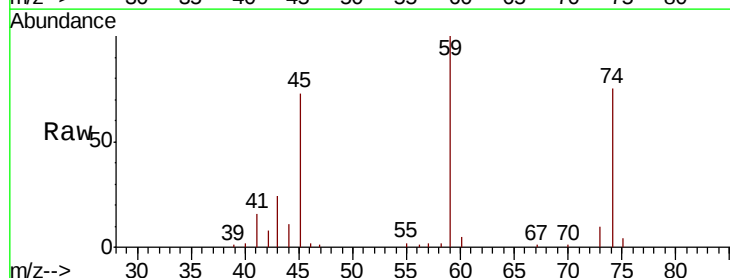
Acq: 21 Oct 2020 11:21

Tgt Ion: 74 Resp: 32230

Ion Ratio Lower Upper

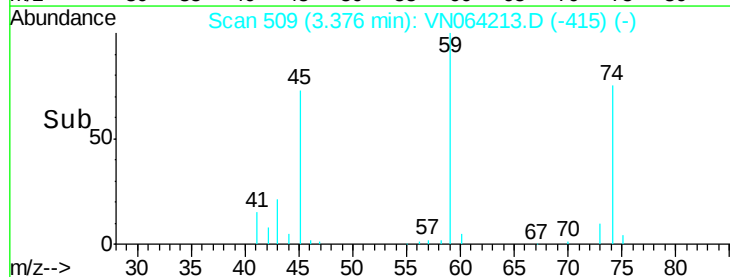
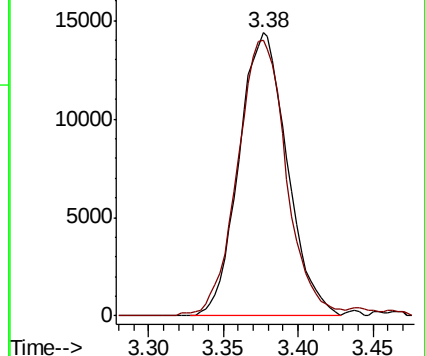
74 100

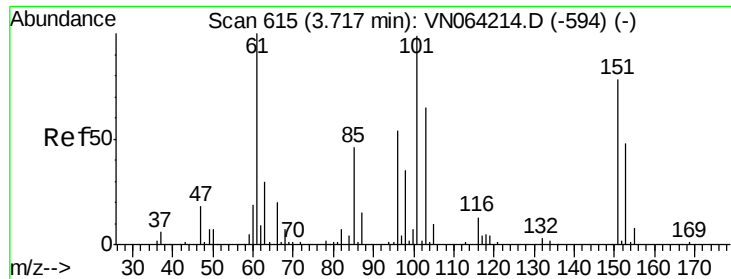
45 98.9 51.3 154.0



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

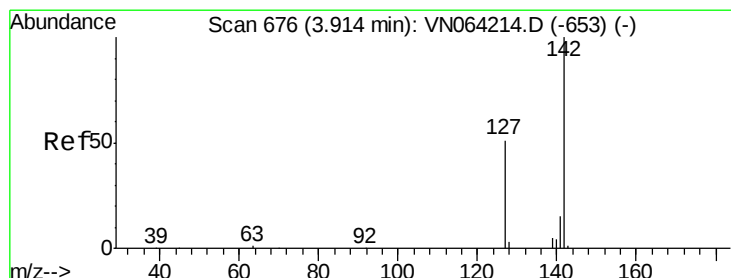
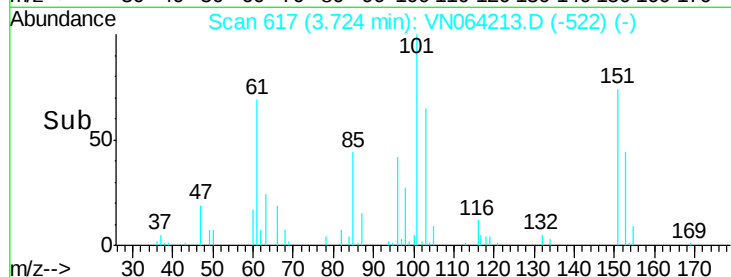
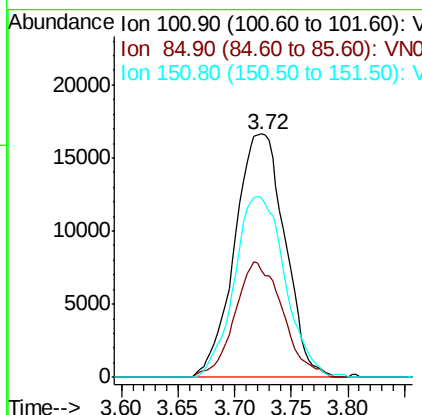
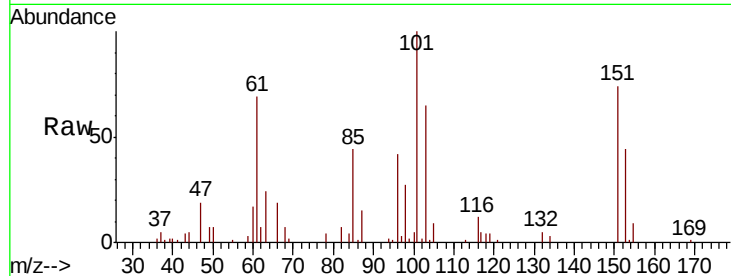




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 19.148 ug/l  
 RT: 3.72 min Scan# 617  
 Delta R.T. 0.01 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

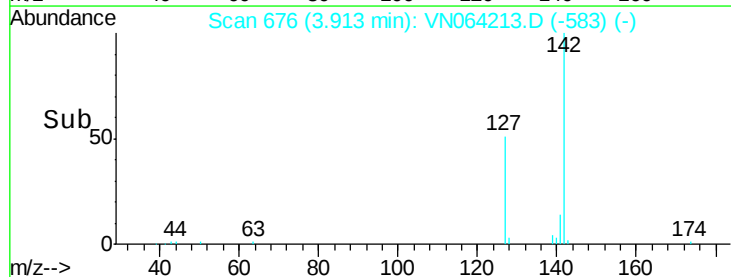
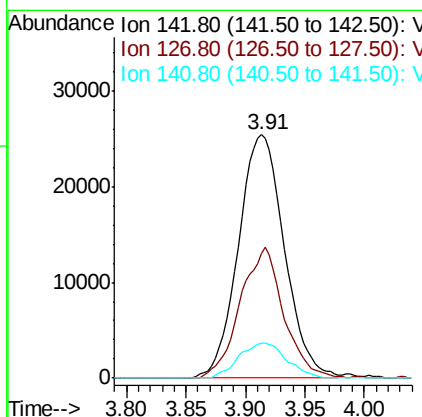
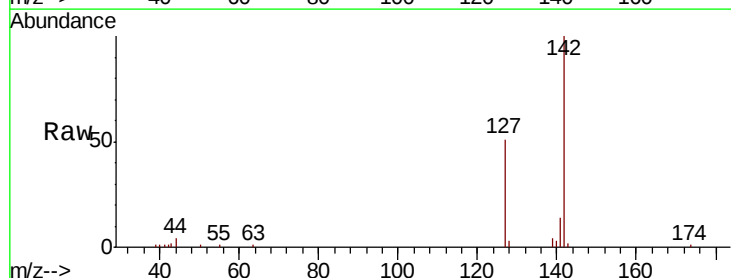
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

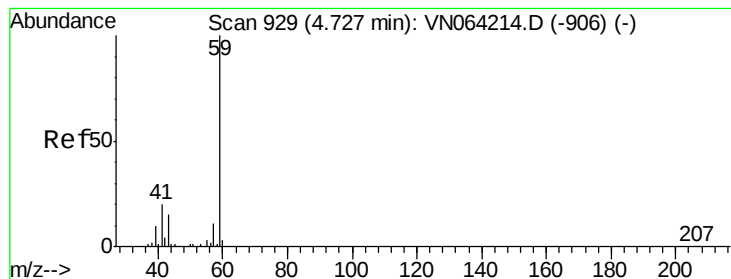
Tot Ion:101 Resp: 51247  
 Ion Ratio Lower Upper  
 101 100  
 85 45.6 37.8 56.8  
 151 75.1 61.4 92.2



#10  
 Methyl Iodide  
 Concen: 18.068 ug/l  
 RT: 3.91 min Scan# 676  
 Delta R.T. -0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

Tgt Ion:142 Resp: 68100  
 Ion Ratio Lower Upper  
 142 100  
 127 50.8 41.0 61.6  
 141 15.1 11.3 16.9





#11

Tert butyl alcohol

Concen: 108.664 ug/l

RT: 4.72 min Scan# 928

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA\_N

ClientSampleId :

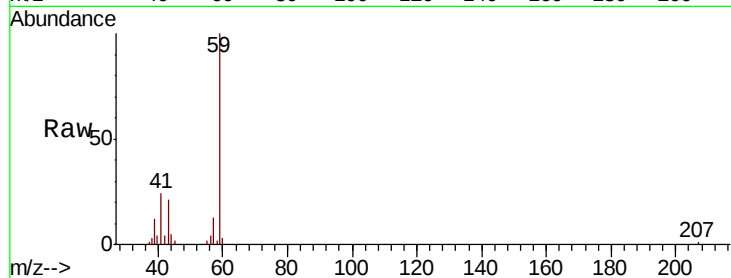
VSTDIC020

Tot Ion: 59 Resp: 48886

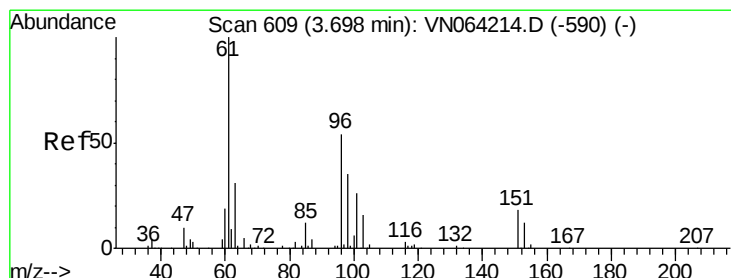
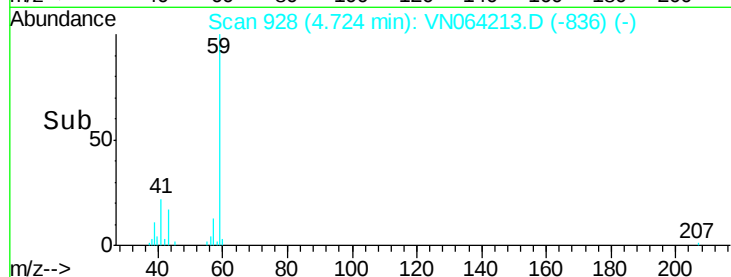
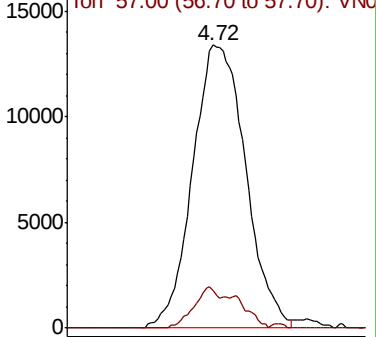
Ion Ratio Lower Upper

59 100

57 8.3 9.2 13.8#



Abundance Ion 59.00 (58.70 to 59.70): VN064213.D (-836) (-)



#12

1,1-Dichloroethene

Concen: 18.044 ug/l

RT: 3.70 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

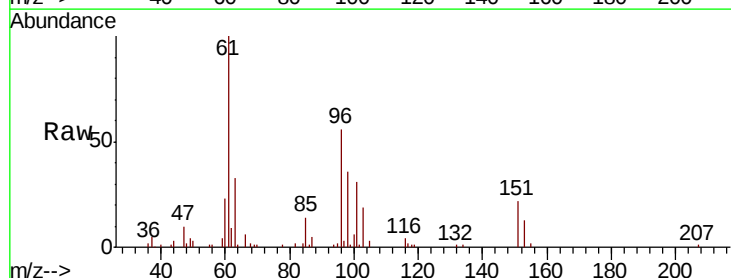
Tgt Ion: 96 Resp: 48449

Ion Ratio Lower Upper

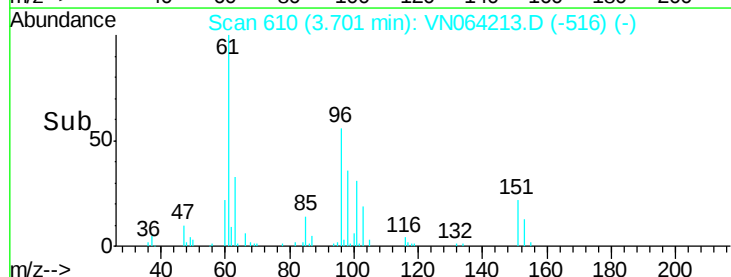
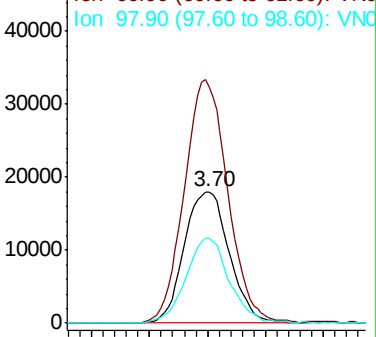
96 100

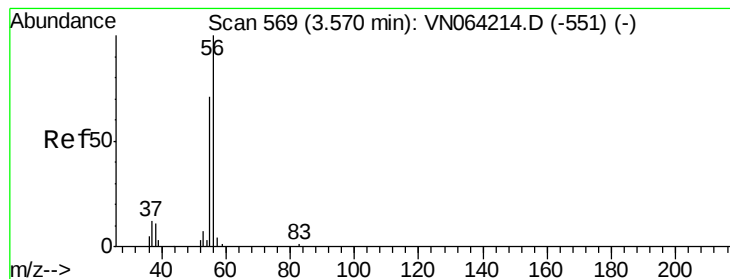
61 179.5 147.0 220.4

98 64.5 51.7 77.5



Abundance Ion 95.90 (95.60 to 96.60): VN064213.D (-516) (-)





#13

Acrolein

Concen: 112.713 ug/l

RT: 3.57 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA\_N

ClientSampleId :

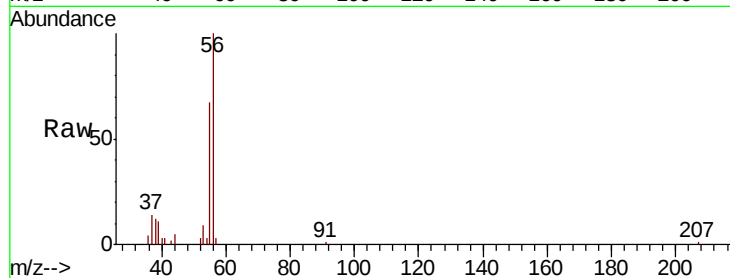
VSTDIC020

Tot Ion: 56 Resp: 38461

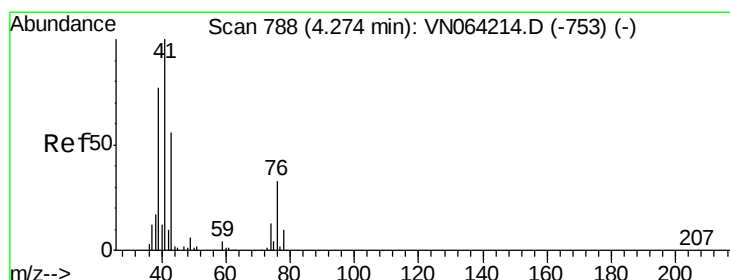
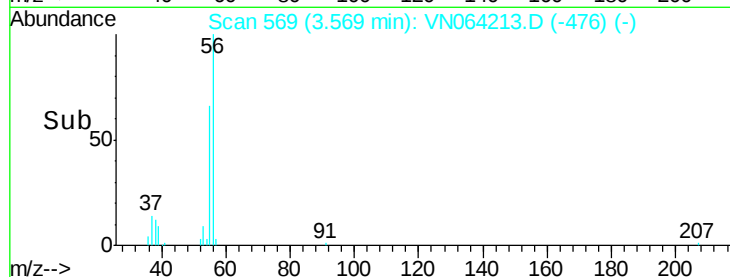
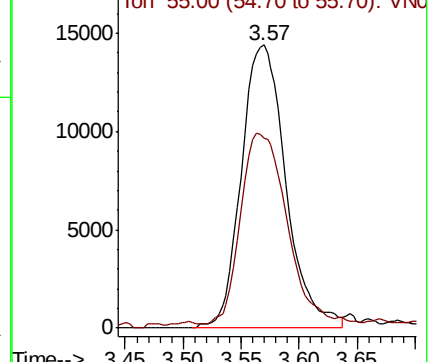
Ion Ratio Lower Upper

56 100

55 68.8 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VN064213.D (-551) (-)



#14

Allyl chloride

Concen: 21.350 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

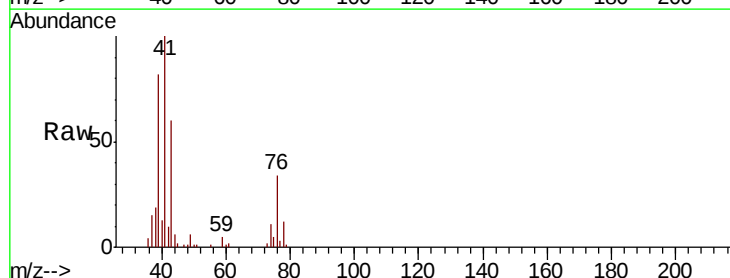
Tgt Ion: 41 Resp: 93571

Ion Ratio Lower Upper

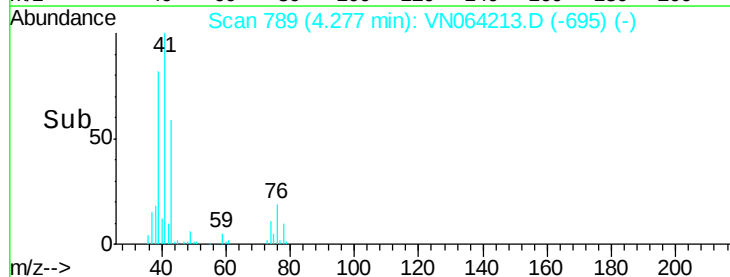
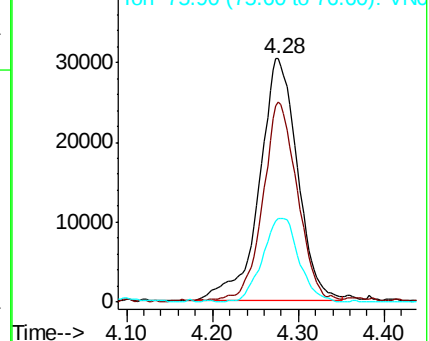
41 100

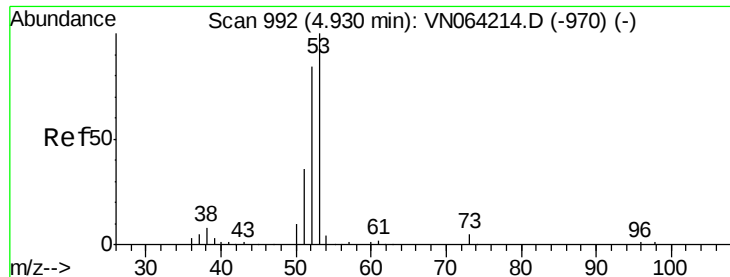
39 73.1 58.6 88.0

76 32.9 24.5 36.7



Abundance Ion 41.00 (40.70 to 41.70): VN064213.D (-695) (-)





#15

Acrylonitrile

Concen: 86.498 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

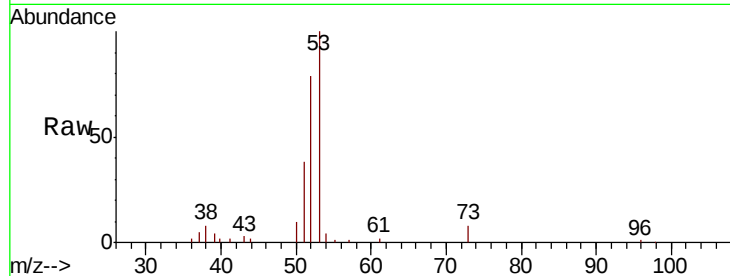
Tot Ion: 53 Resp: 104469

Ion Ratio Lower Upper

53 100

52 85.4 66.8 100.2

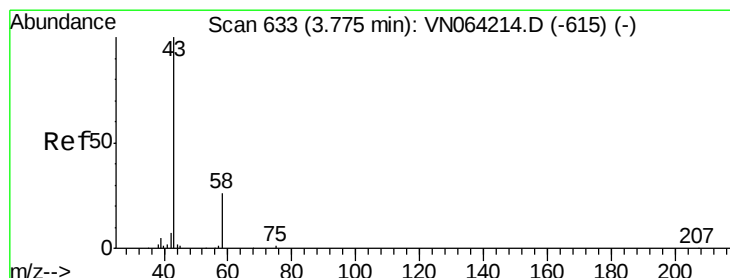
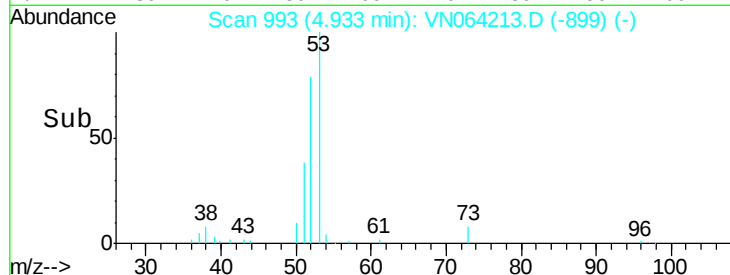
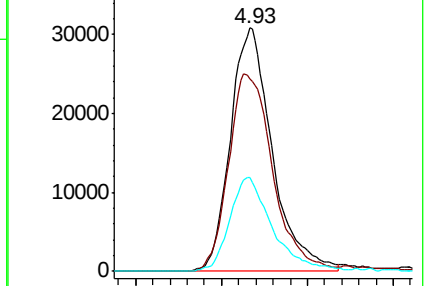
51 39.3 30.7 46.1



Abundance Ion 53.00 (52.70 to 53.70): VN064213.D (-899) (-)

Ion 52.00 (51.70 to 52.70): VN064213.D (-899) (-)

Ion 51.00 (50.70 to 51.70): VN064213.D (-899) (-)



#16

Acetone

Concen: 91.780 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064213.D

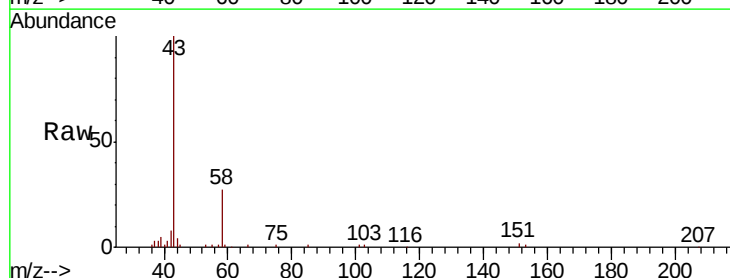
Acq: 21 Oct 2020 11:21

Tgt Ion: 43 Resp: 105819

Ion Ratio Lower Upper

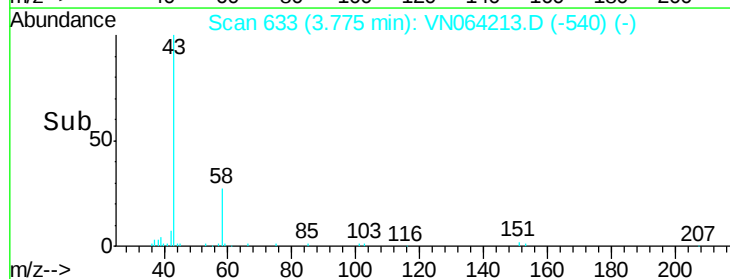
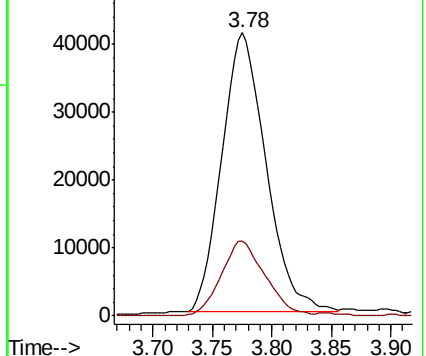
43 100

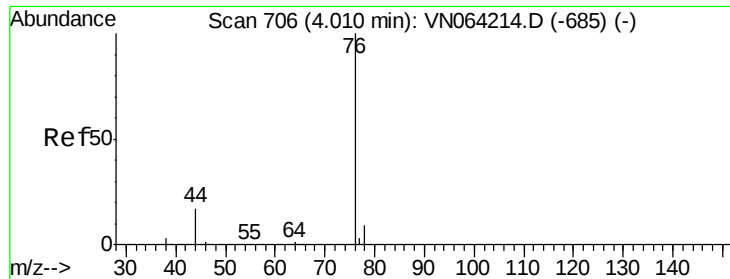
58 26.3 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VN064213.D (-540) (-)

Ion 58.00 (57.70 to 58.70): VN064213.D (-540) (-)

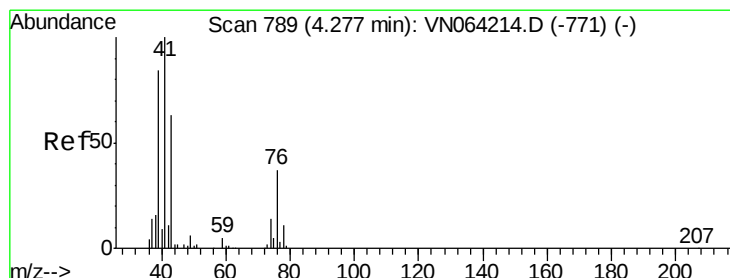
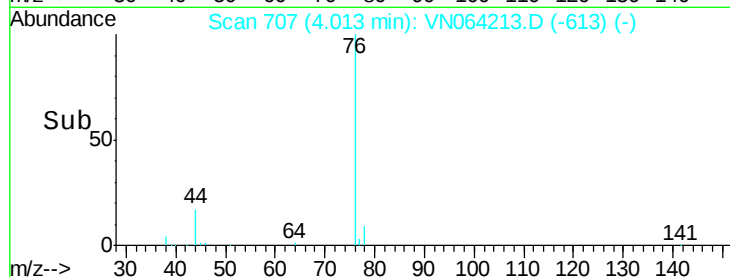
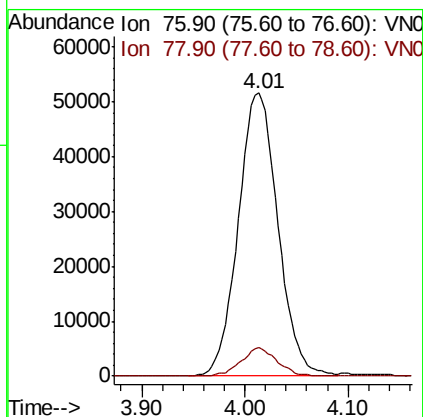
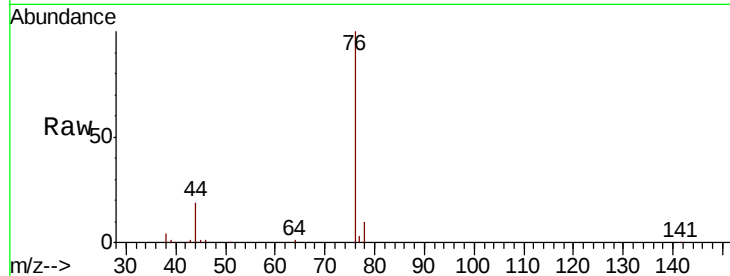




#17  
Carbon Disulfide  
Concen: 18.015 ug/l  
RT: 4.01 min Scan# 707  
Delta R.T. 0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

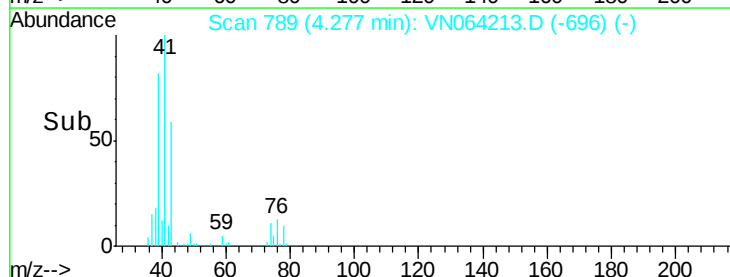
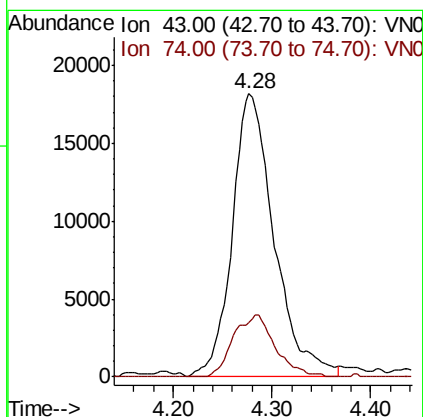
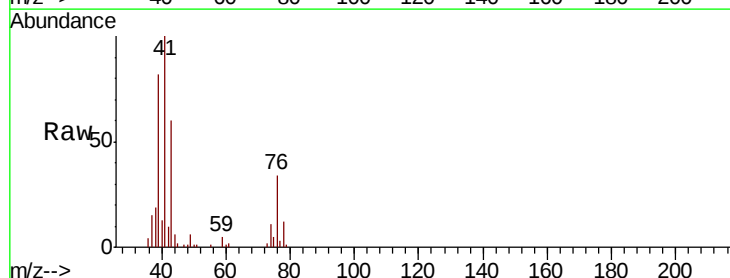
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

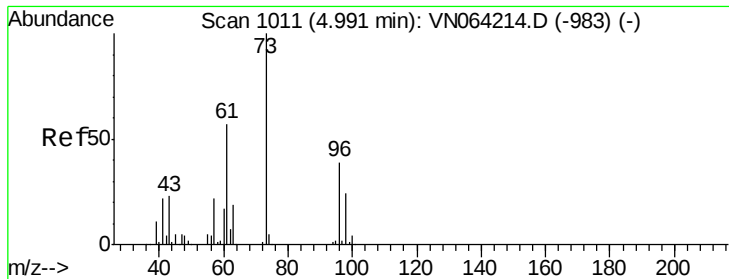
Tot Ion: 76 Resp: 137984  
Ion Ratio Lower Upper  
76 100  
78 10.1 7.1 10.7



#18  
Methyl Acetate  
Concen: 18.584 ug/l  
RT: 4.28 min Scan# 789  
Delta R.T. -0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

Tgt Ion: 43 Resp: 53673  
Ion Ratio Lower Upper  
43 100  
74 21.6 17.9 26.9



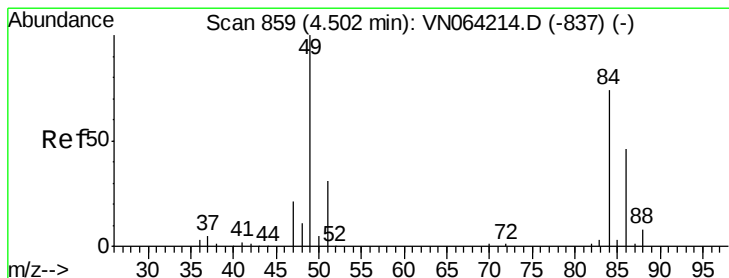
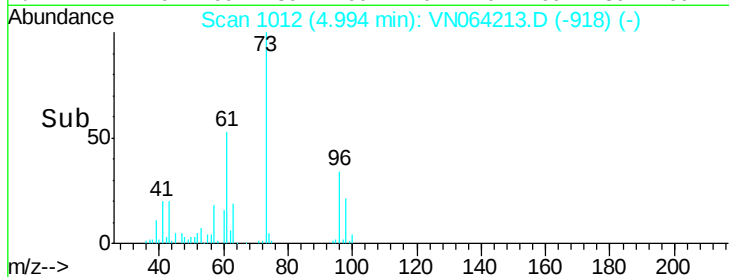
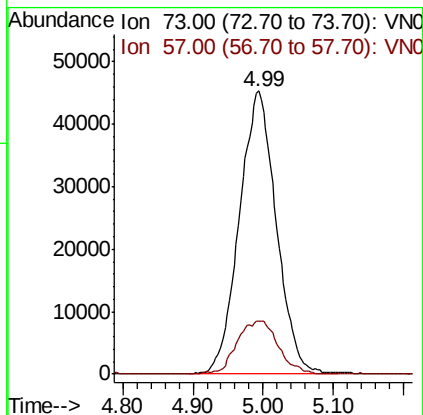
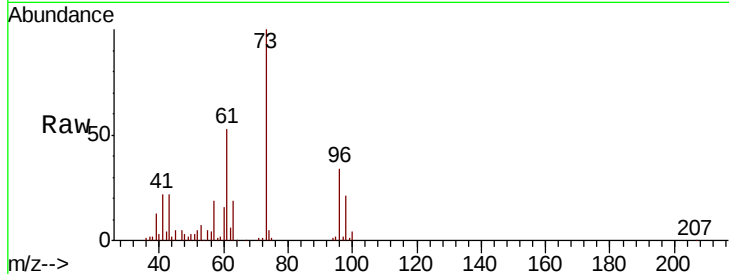


#19

Methyl tert-butyl Ether  
 Concen: 20.559 ug/l  
 RT: 4.99 min Scan# 1012  
 Delta R.T. 0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDIC020

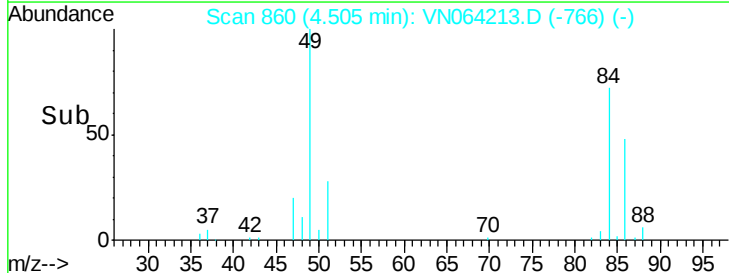
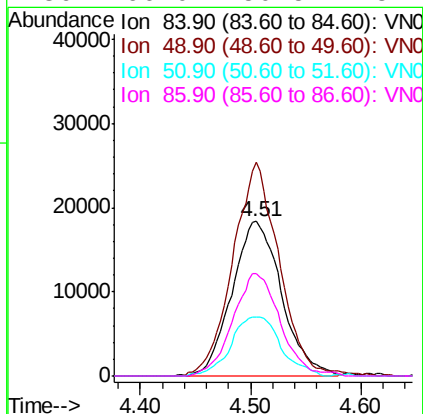
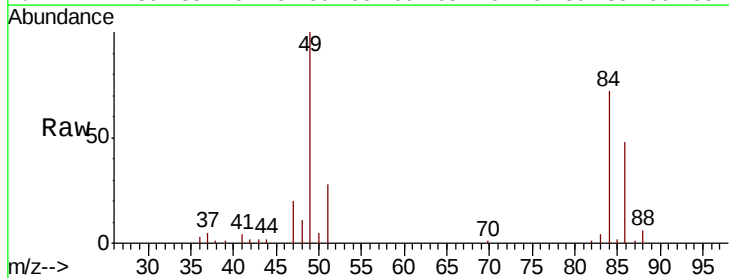
Tot Ion: 73 Resp: 165468  
 Ion Ratio Lower Upper  
 73 100  
 57 18.9 18.0 27.0

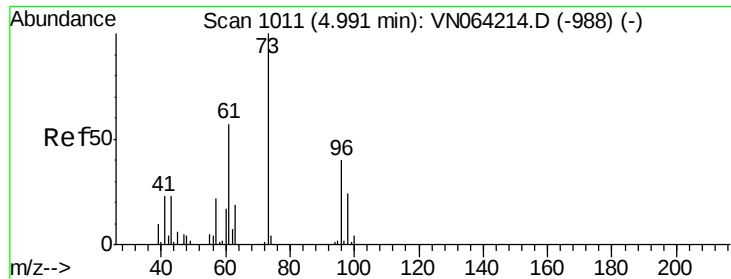


#20

Methylene Chloride  
 Concen: 16.414 ug/l  
 RT: 4.51 min Scan# 860  
 Delta R.T. 0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

Tgt Ion: 84 Resp: 57171  
 Ion Ratio Lower Upper  
 84 100  
 49 136.2 108.5 162.7  
 51 37.2 33.8 50.8  
 86 66.0 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 17.484 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

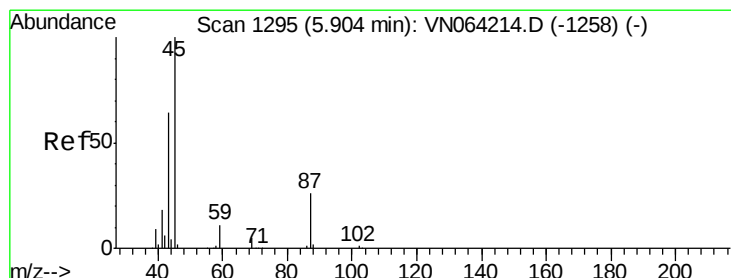
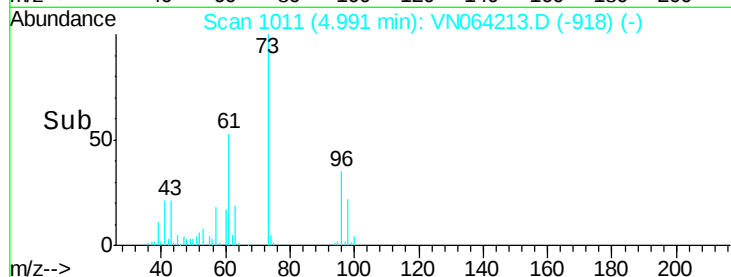
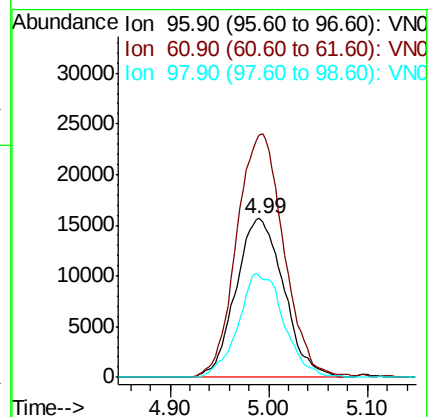
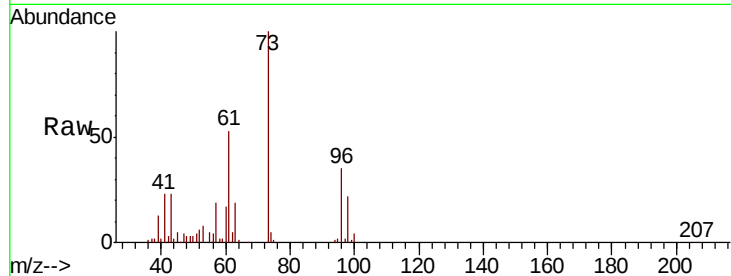
Tot Ion: 96 Resp: 52718

Ion Ratio Lower Upper

96 100

61 152.7 115.8 173.6

98 63.7 49.4 74.0



#22

Diisopropyl ether

Concen: 20.615 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Tgt Ion: 45 Resp: 171129

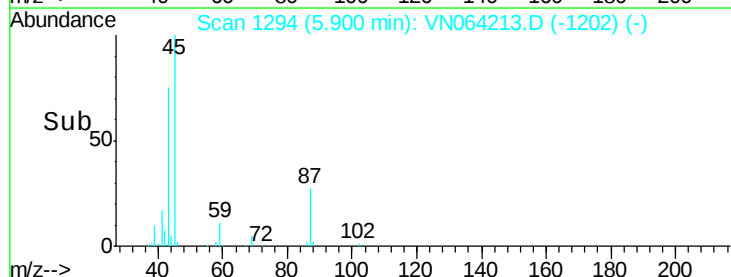
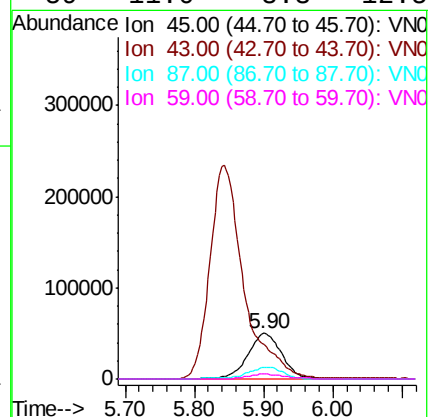
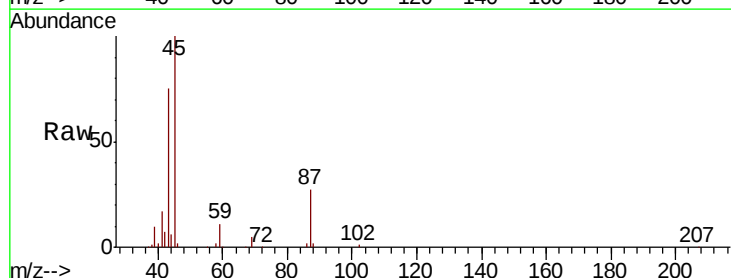
Ion Ratio Lower Upper

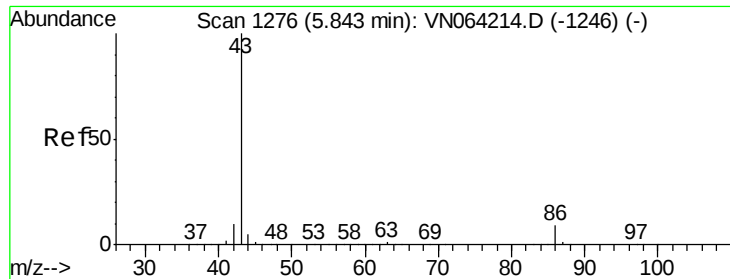
45 100

43 72.8 52.2 78.4

87 26.7 21.4 32.0

59 11.0 8.3 12.5

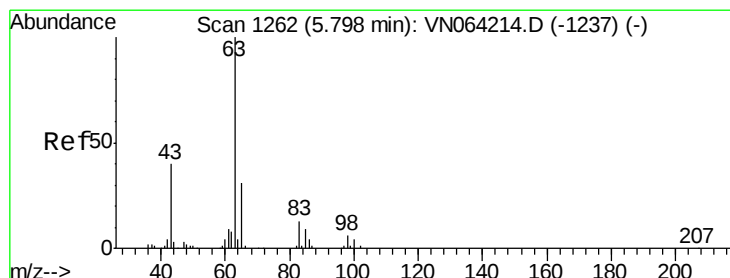
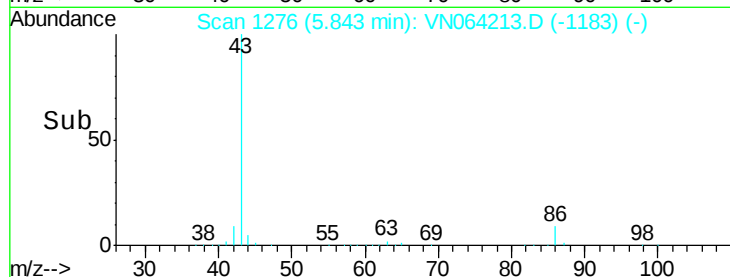
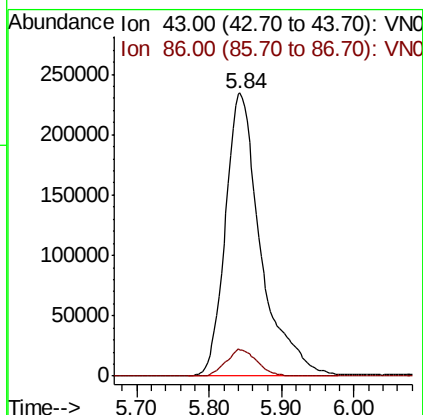
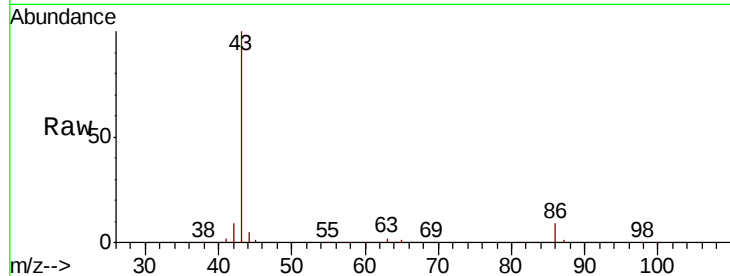




#23  
 Vinyl Acetate  
 Concen: 106.866 ug/l  
 RT: 5.84 min Scan# 1276  
 Delta R.T. -0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

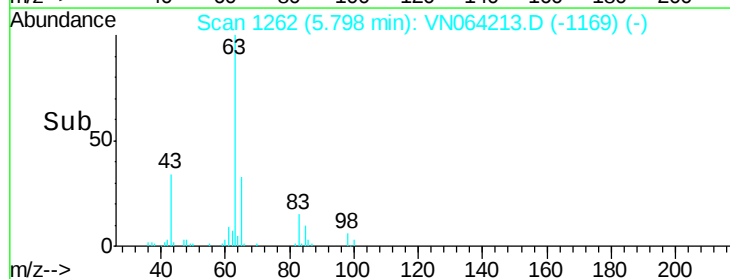
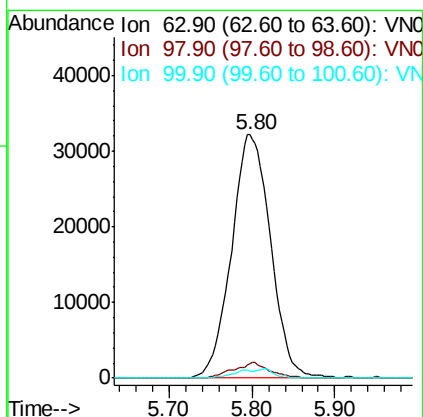
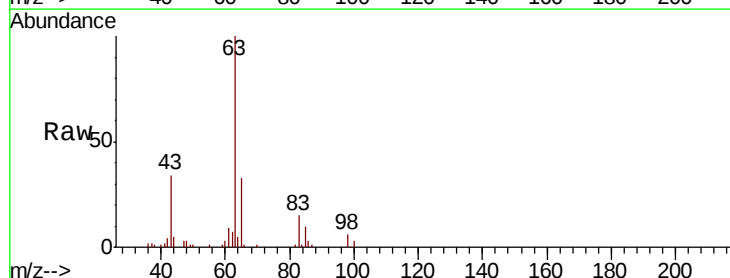
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDIC020

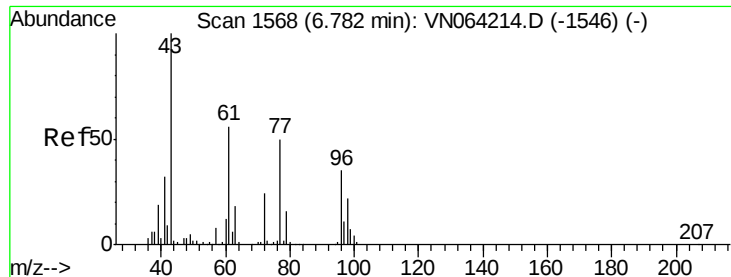
Tot Ion: 43 Resp: 794123  
 Ion Ratio Lower Upper  
 43 100  
 86 9.4 7.4 11.0



#24  
 1,1-Dichloroethane  
 Concen: 18.507 ug/l  
 RT: 5.80 min Scan# 1262  
 Delta R.T. -0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

Tgt Ion: 63 Resp: 105243  
 Ion Ratio Lower Upper  
 63 100  
 98 6.1 2.9 8.7  
 100 2.8 2.0 6.0

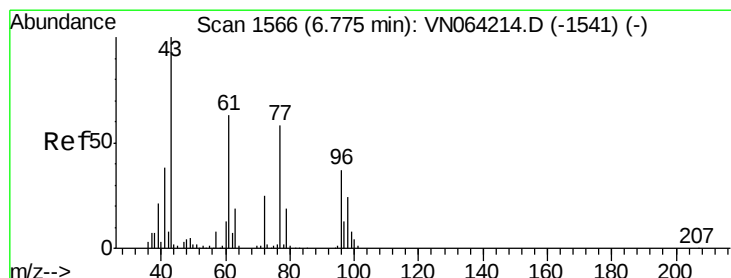
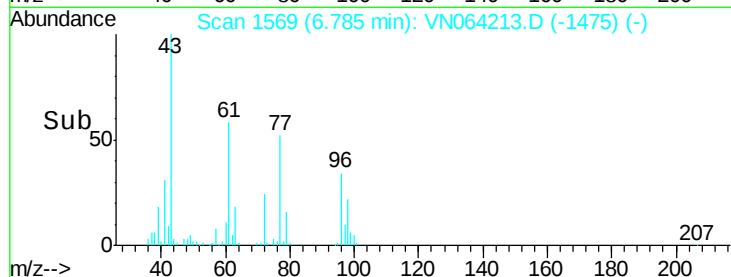
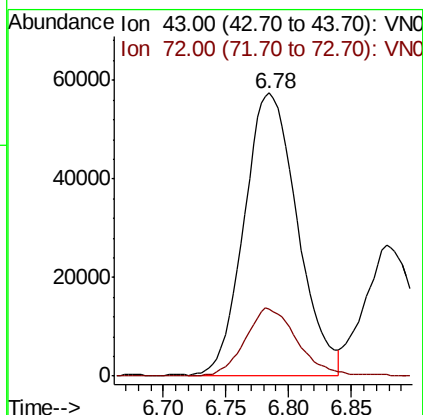
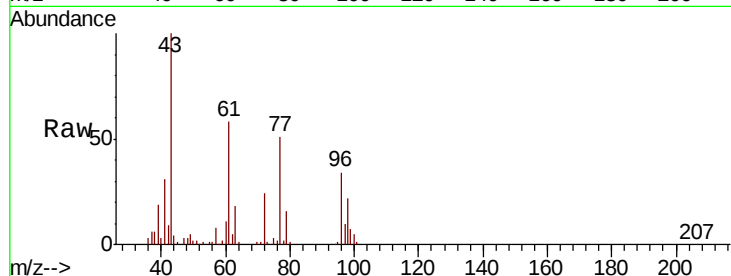




#25  
2-Butanone  
Concen: 95.379 ug/l  
RT: 6.78 min Scan# 1569  
Delta R.T. 0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

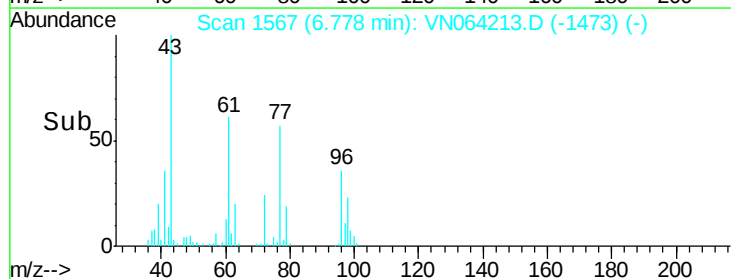
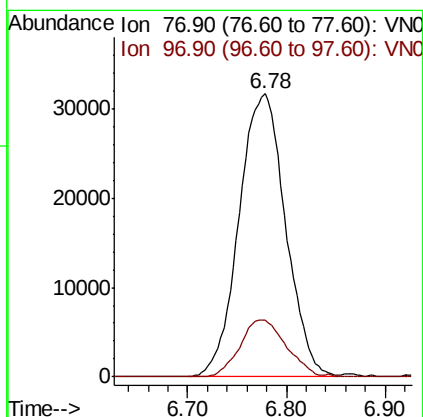
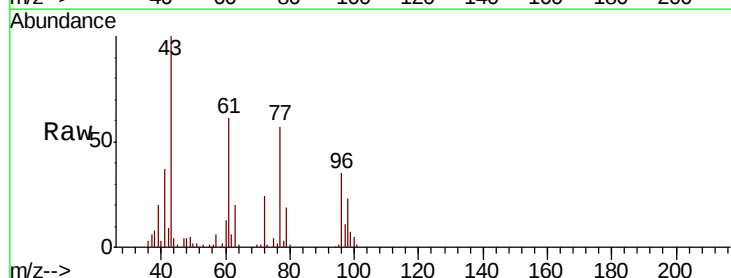
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

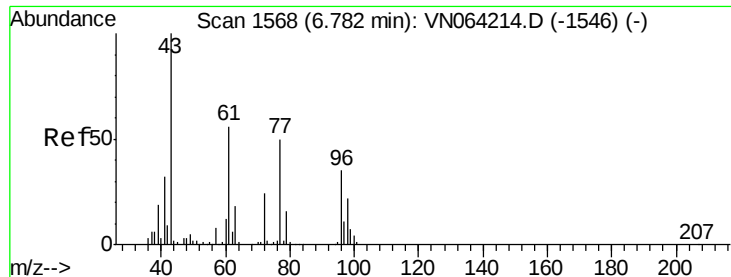
Tot Ion: 43 Resp: 168733  
Ion Ratio Lower Upper  
43 100  
72 23.9 19.4 29.0



#26  
2,2-Dichloropropane  
Concen: 21.174 ug/l  
RT: 6.78 min Scan# 1567  
Delta R.T. 0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

Tgt Ion: 77 Resp: 103594  
Ion Ratio Lower Upper  
77 100  
97 20.0 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 17.136 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

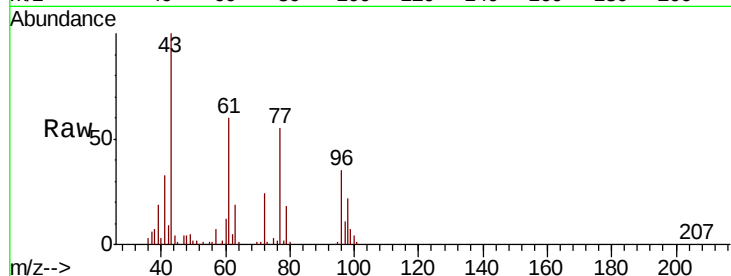
Tot Ion: 96 Resp: 60604

Ion Ratio Lower Upper

96 100

61 166.5 0.0 330.0

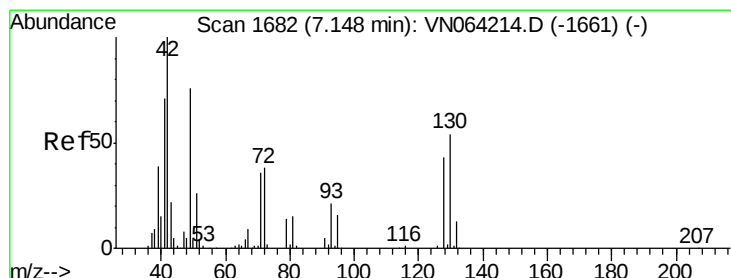
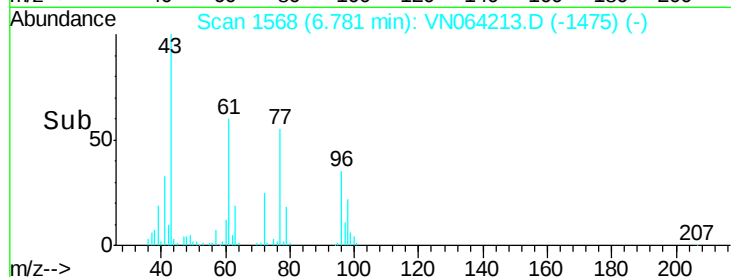
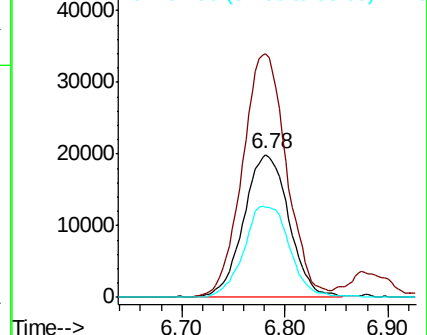
98 64.7 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN064213.D (-1475) (-)

Ion 60.90 (60.60 to 61.60): VN064213.D (-1475) (-)

Ion 97.90 (97.60 to 98.60): VN064213.D (-1475) (-)



#28

Bromochloromethane

Concen: 18.085 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

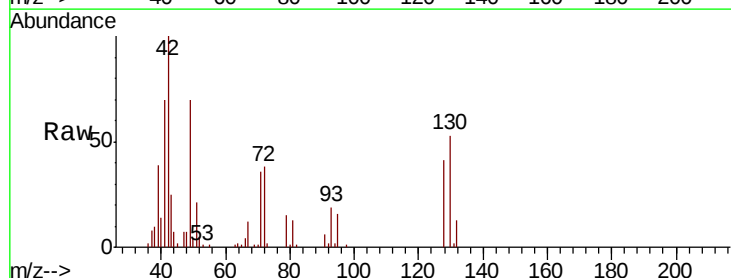
Tgt Ion: 49 Resp: 49017

Ion Ratio Lower Upper

49 100

129 0.4 0.0 2.8

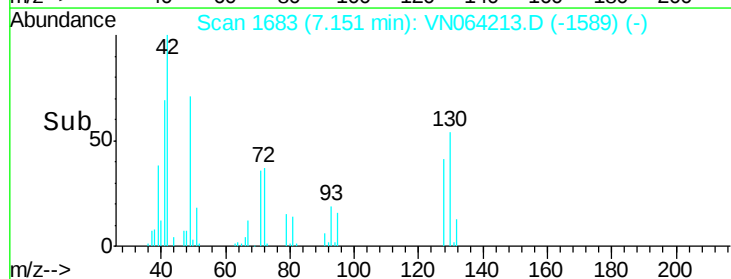
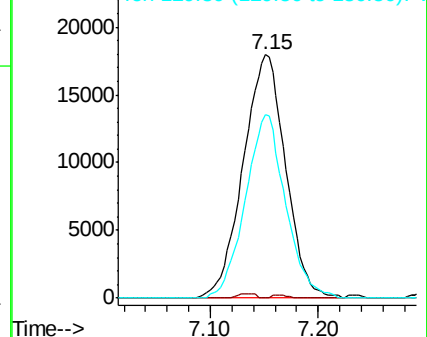
130 71.4 58.8 88.2

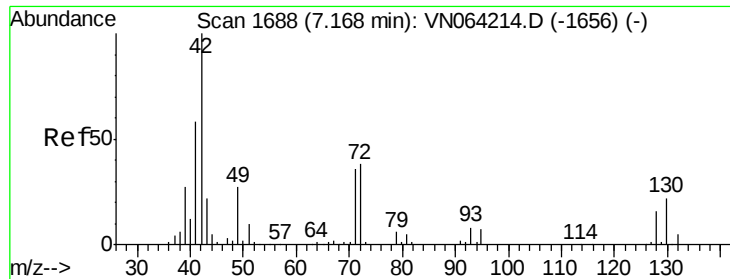


Abundance Ion 48.90 (48.60 to 49.60): VN064213.D (-1589) (-)

Ion 128.80 (128.50 to 129.50): VN064213.D (-1589) (-)

Ion 129.80 (129.50 to 130.50): VN064213.D (-1589) (-)





#29

Tetrahydrofuran

Concen: 97.295 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

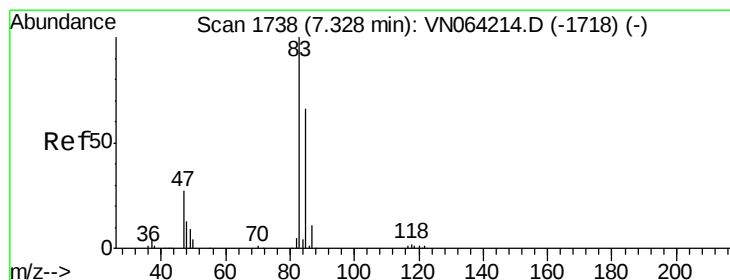
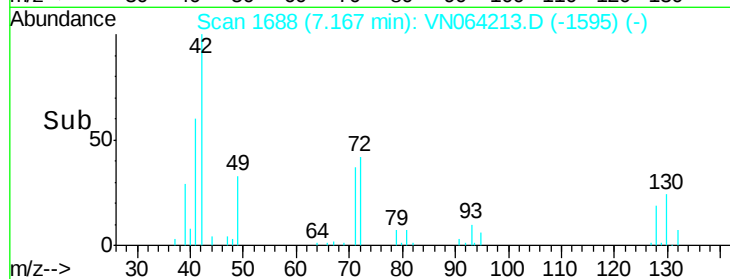
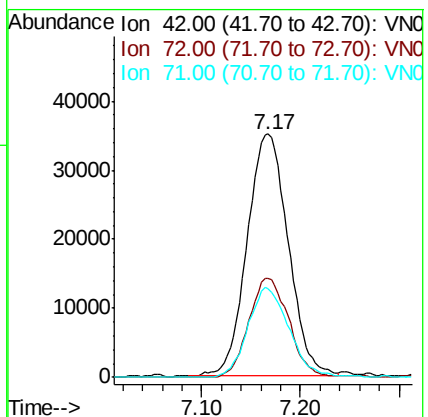
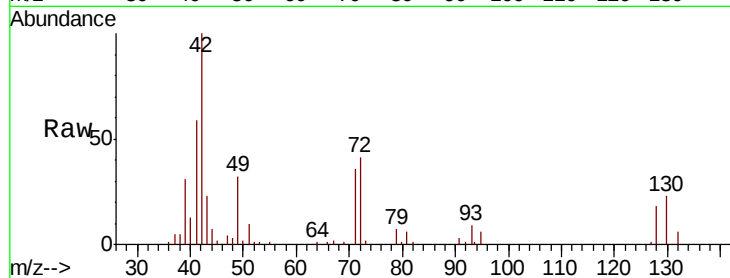
Tot Ion: 42 Resp: 101022

Ion Ratio Lower Upper

42 100

72 39.8 30.8 46.2

71 37.0 29.0 43.6



#30

Chloroform

Concen: 17.984 ug/l

RT: 7.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VN064213.D

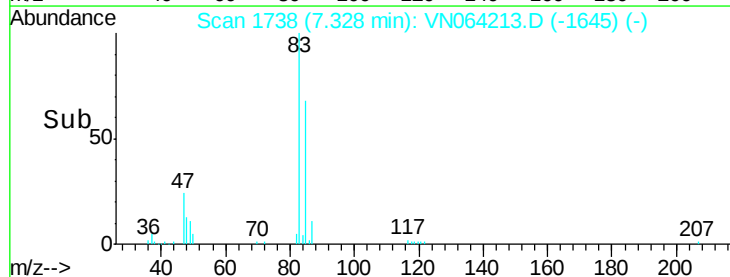
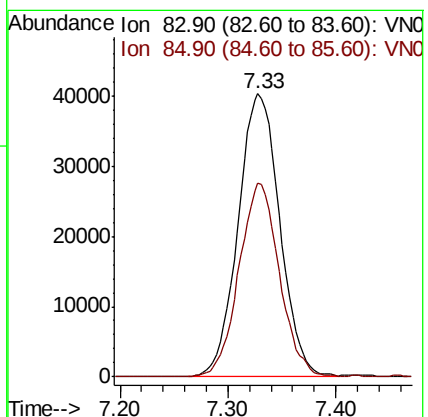
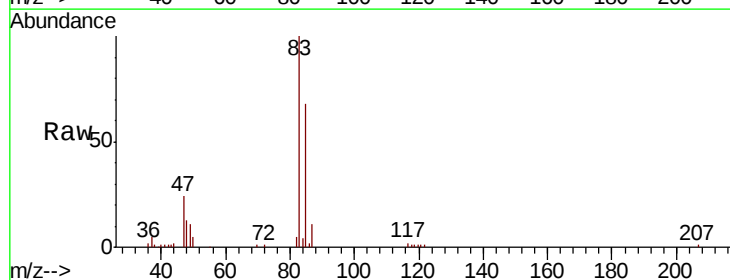
Acq: 21 Oct 2020 11:21

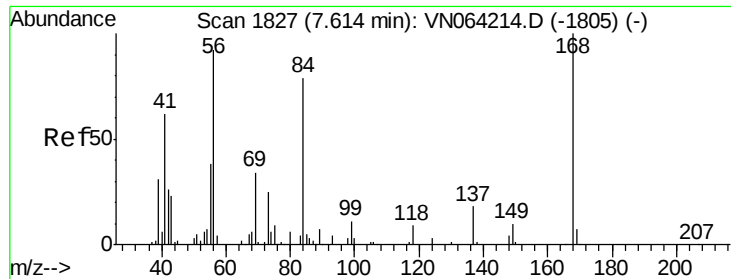
Tgt Ion: 83 Resp: 108360

Ion Ratio Lower Upper

83 100

85 68.3 52.5 78.7

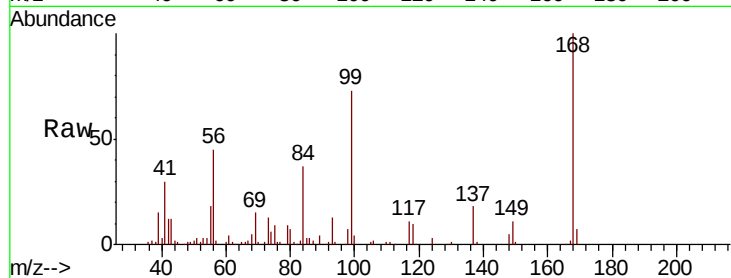




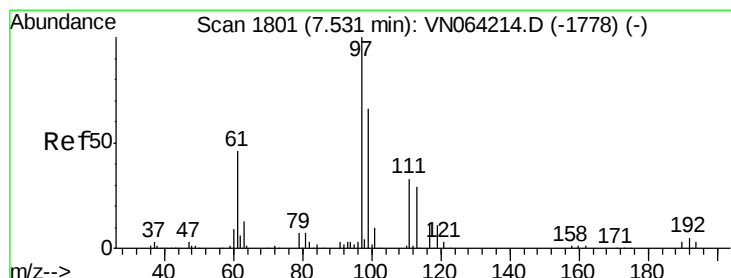
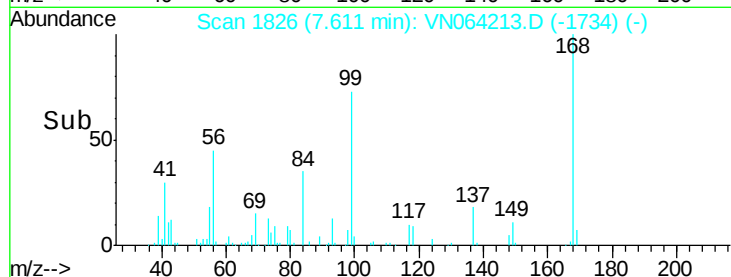
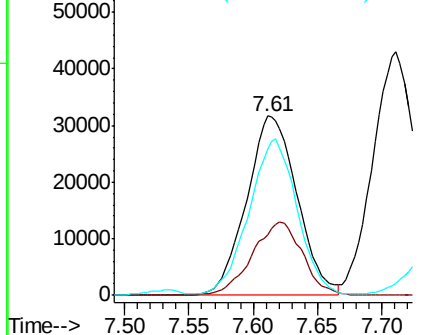
#31  
Cvclohexane  
Concen: 19.923 ug/l  
RT: 7.61 min Scan# 1826  
Delta R.T. -0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

Tot Ion: 56 Resp: 86356  
Ion Ratio Lower Upper  
56 100  
69 34.0 29.8 44.6  
84 80.8 68.1 102.1

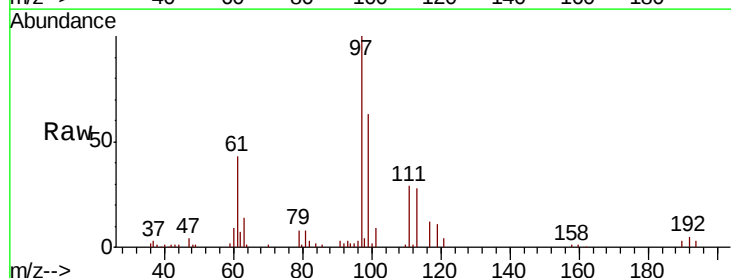


Abundance Ion 56.00 (55.70 to 56.70): VNC  
Ion 69.00 (68.70 to 69.70): VNC  
Ion 84.00 (83.70 to 84.70): VNC

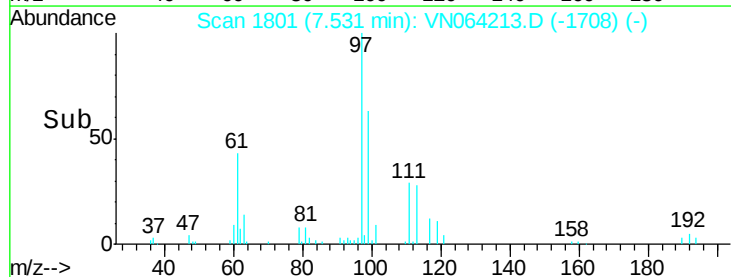
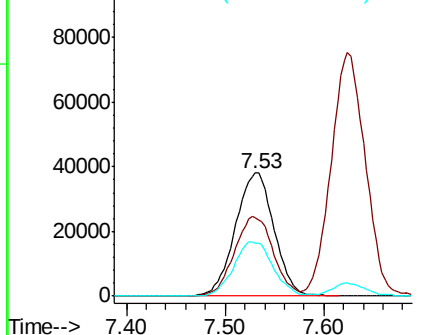


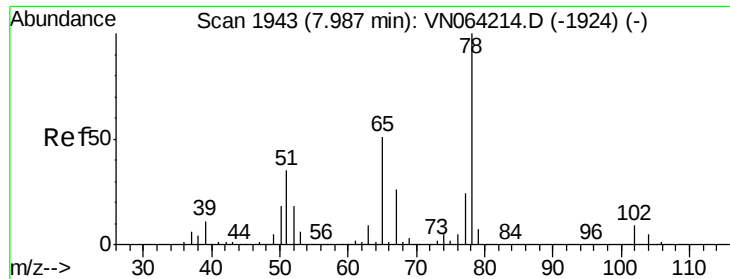
#32  
1,1,1-Trichloroethane  
Concen: 19.566 ug/l  
RT: 7.53 min Scan# 1801  
Delta R.T. -0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

Tgt Ion: 97 Resp: 103517  
Ion Ratio Lower Upper  
97 100  
99 64.9 51.2 76.8  
61 44.7 36.3 54.5



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

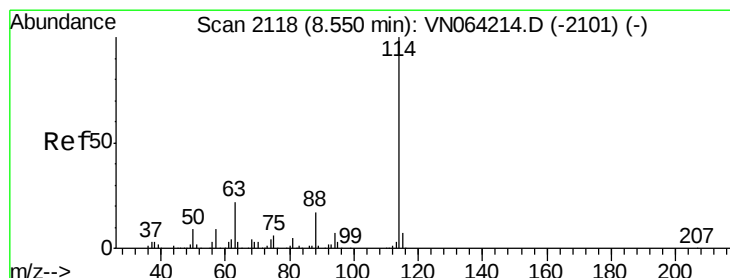
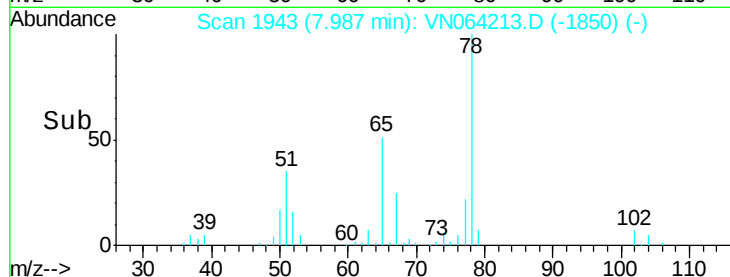
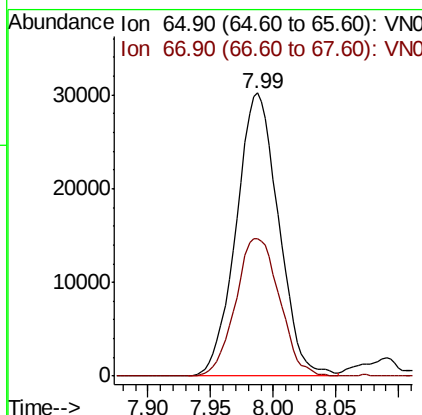
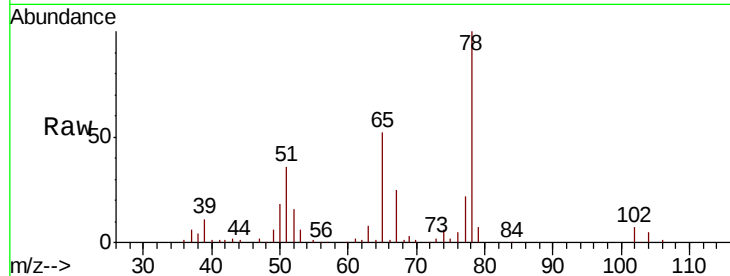




#33  
 1,2-Dichloroethane-d4  
 Concen: 18.230 ug/l  
 RT: 7.99 min Scan# 1943  
 Delta R.T. -0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

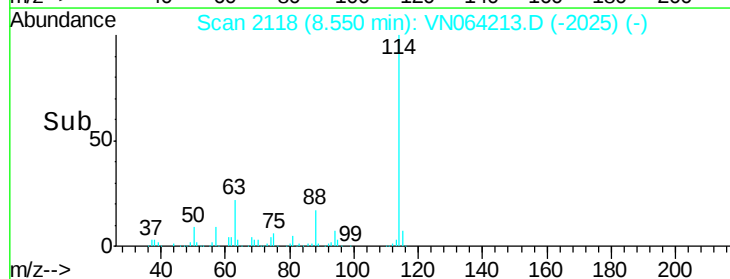
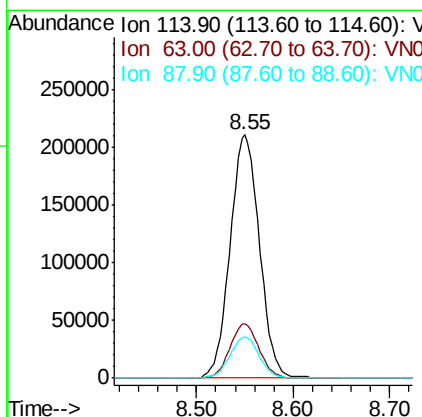
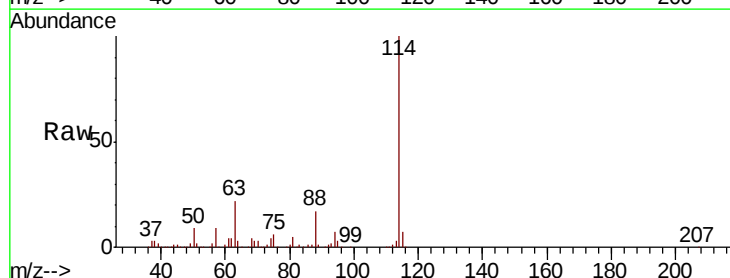
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

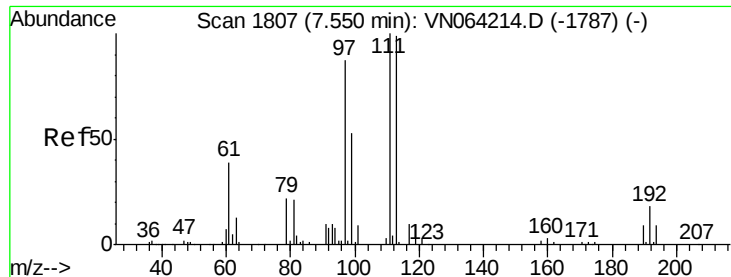
Tot Ion: 65 Resp: 71091  
 Ion Ratio Lower Upper  
 65 100  
 67 50.2 0.0 100.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

Tgt Ion: 114 Resp: 444470  
 Ion Ratio Lower Upper  
 114 100  
 63 22.4 0.0 44.0  
 88 16.8 0.0 34.2

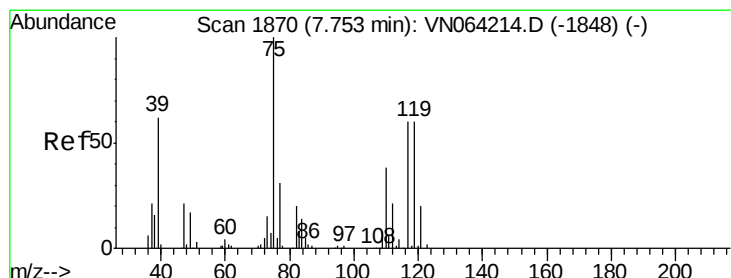
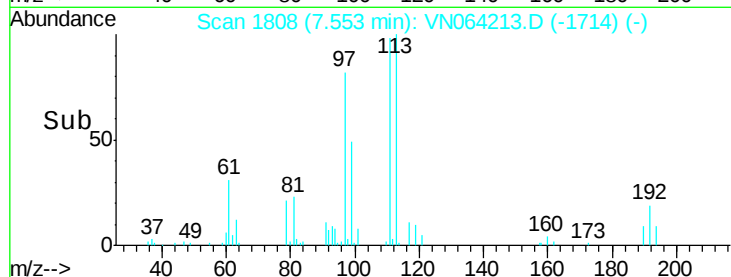
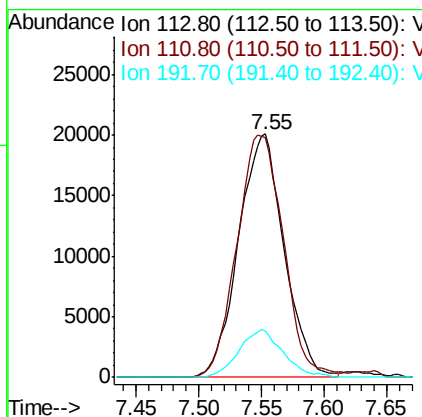
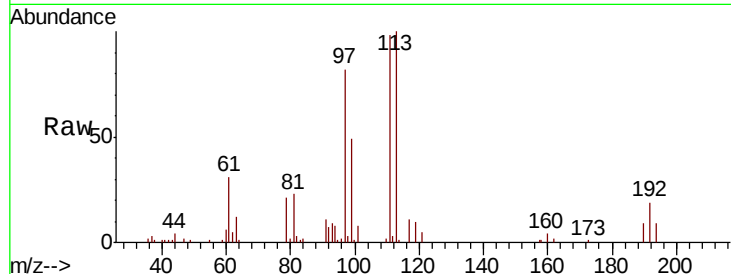




#35  
 Dibromofluoromethane  
 Concen: 16.493 ug/l  
 RT: 7.55 min Scan# 1808  
 Delta R.T. 0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

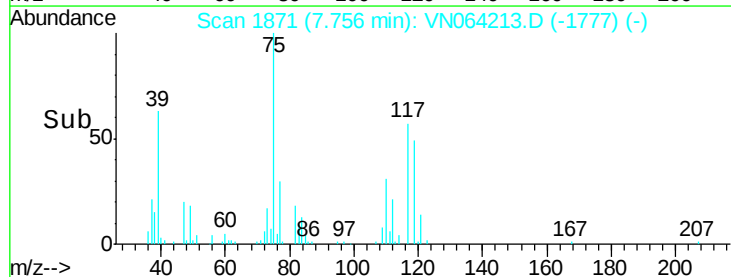
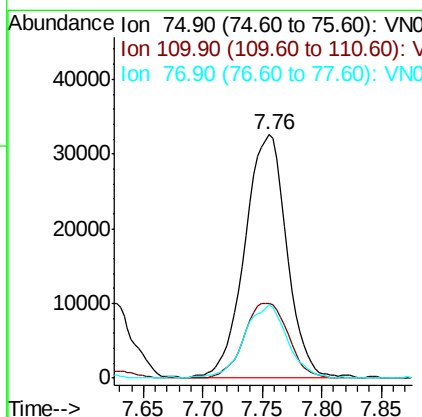
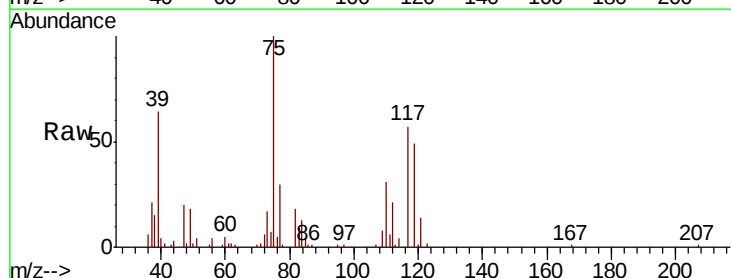
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

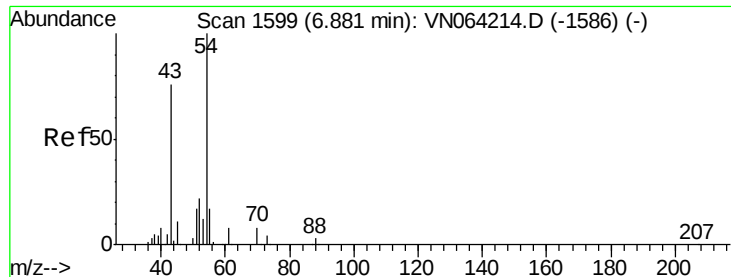
Tot Ion:113 Resp: 50654  
 Ion Ratio Lower Upper  
 113 100  
 111 102.1 84.2 126.2  
 192 18.8 15.2 22.8



#36  
 1,1-Dichloropropene  
 Concen: 18.437 ug/l  
 RT: 7.76 min Scan# 1871  
 Delta R.T. 0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

Tgt Ion: 75 Resp: 79661  
 Ion Ratio Lower Upper  
 75 100  
 110 32.4 17.2 51.6  
 77 30.9 24.9 37.3

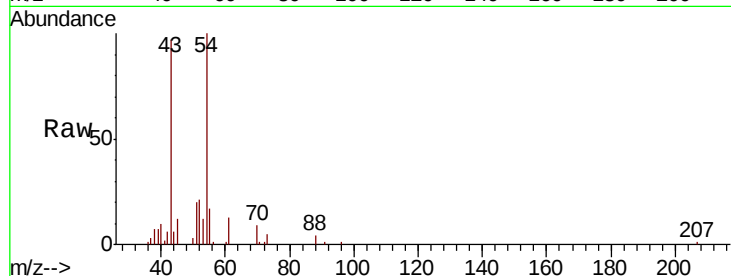




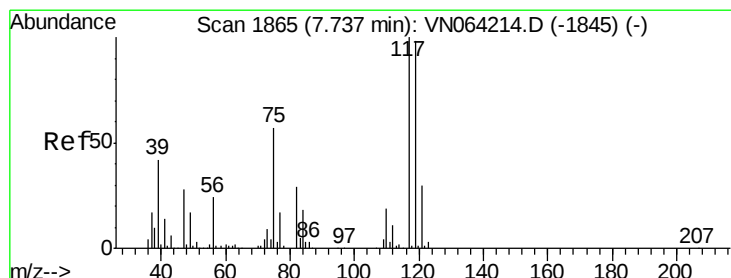
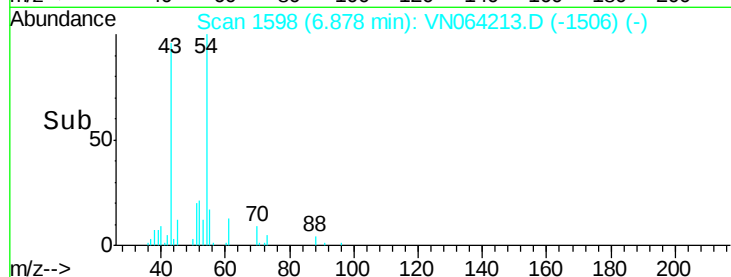
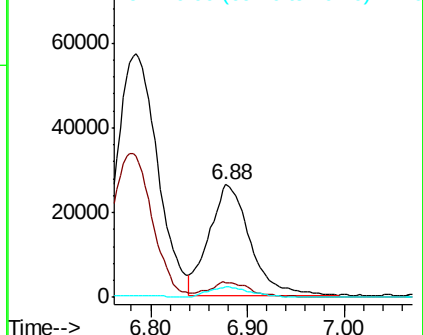
#37  
Ethyl Acetate  
Concen: 19.993 ug/l  
RT: 6.88 min Scan# 1598  
Delta R.T. -0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

Tot Ion: 43 Resp: 77096  
Ion Ratio Lower Upper  
43 100  
61 12.1 10.0 15.0  
70 9.5 7.5 11.3

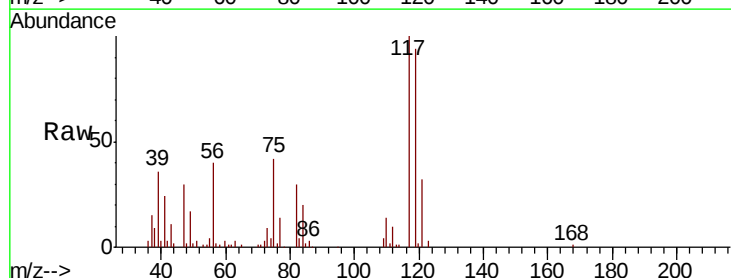


Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 70.00 (69.70 to 70.70): VN0

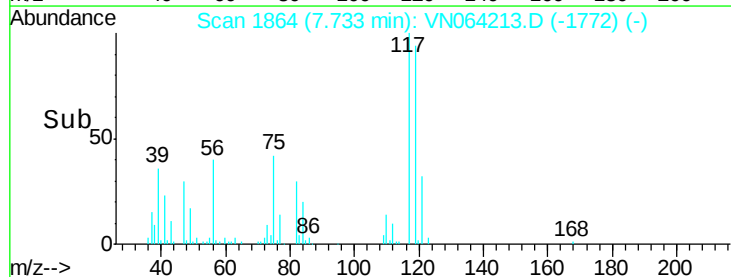
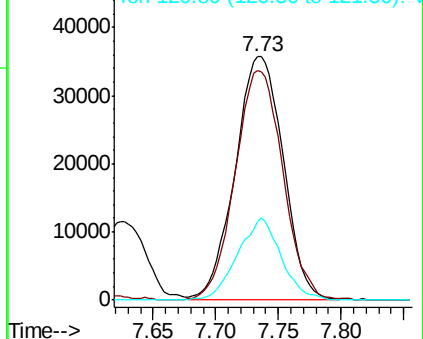


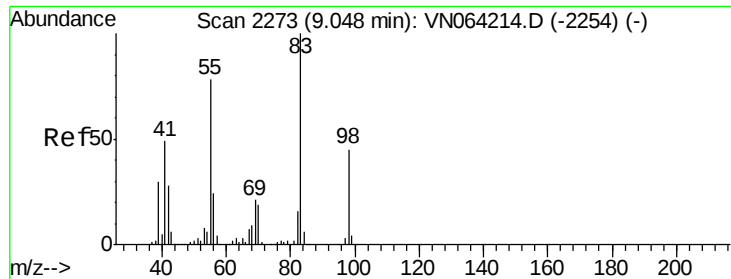
#38  
Carbon Tetrachloride  
Concen: 20.185 ug/l  
RT: 7.73 min Scan# 1864  
Delta R.T. -0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

Tgt Ion: 117 Resp: 95319  
Ion Ratio Lower Upper  
117 100  
119 93.9 78.5 117.7  
121 32.4 24.3 36.5



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

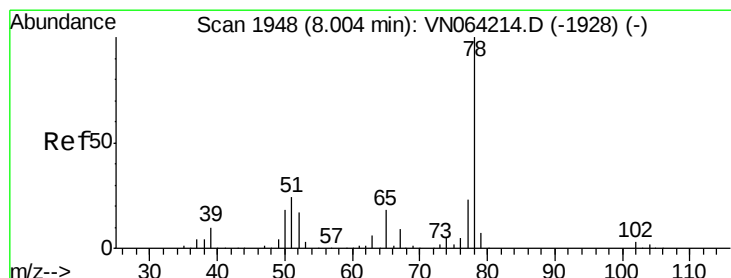
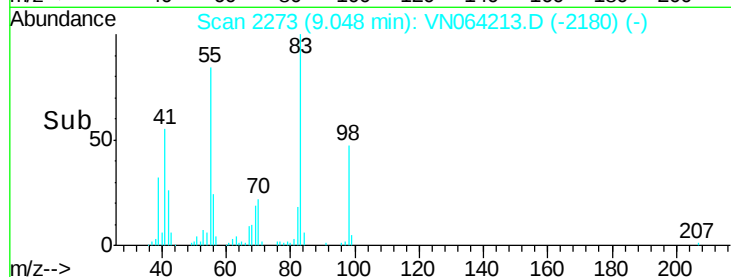
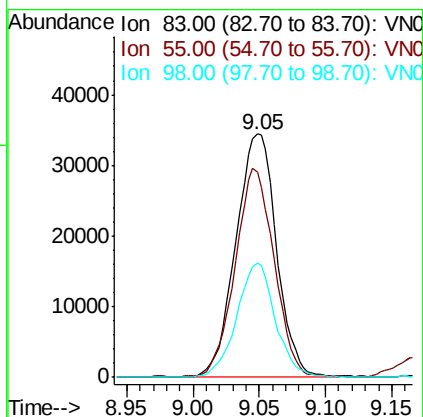
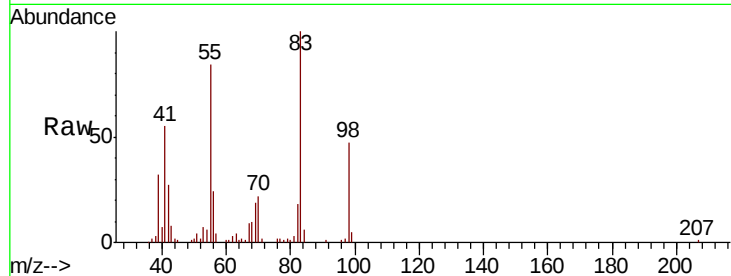




#39  
Methvlcvclohexane  
Concen: 19.941 ug/l  
RT: 9.05 min Scan# 2273  
Delta R.T. -0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

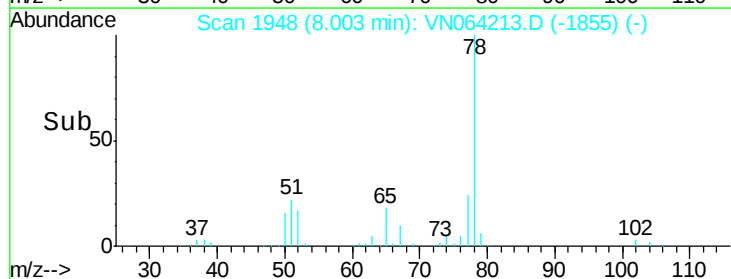
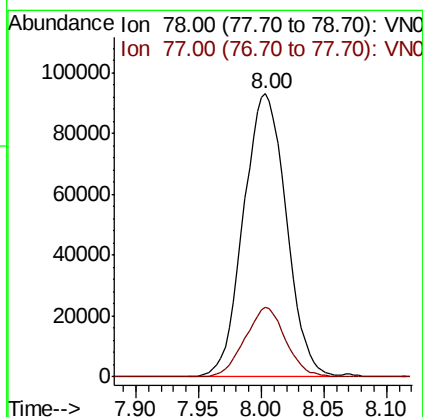
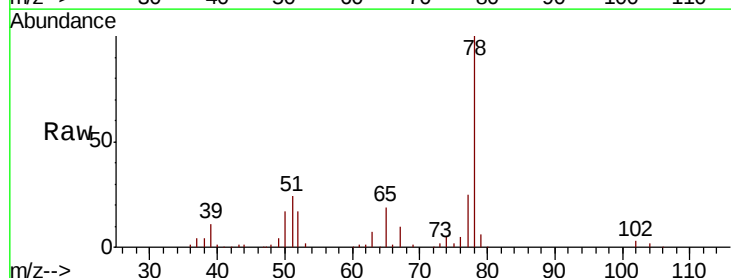
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

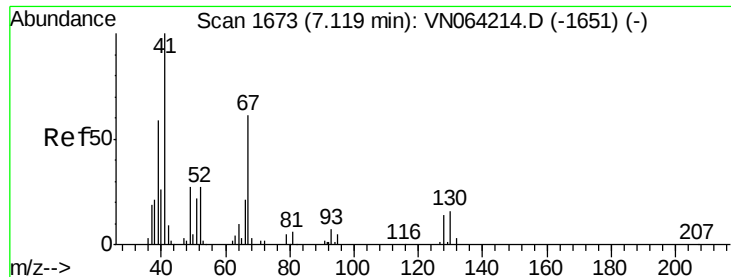
Tot Ion: 83 Resp: 73453  
Ion Ratio Lower Upper  
83 100  
55 83.5 62.2 93.2  
98 46.7 35.9 53.9



#40  
Benzene  
Concen: 17.194 ug/l  
RT: 8.00 min Scan# 1948  
Delta R.T. -0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

Tgt Ion: 78 Resp: 221469  
Ion Ratio Lower Upper  
78 100  
77 24.6 18.3 27.5

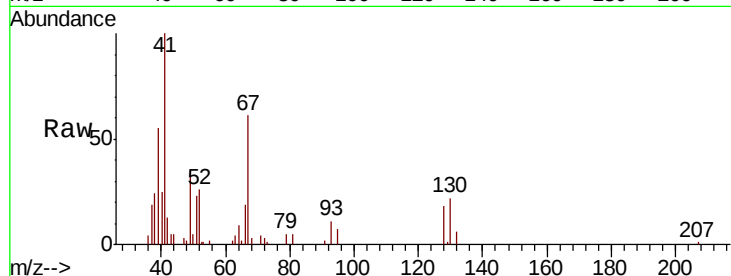




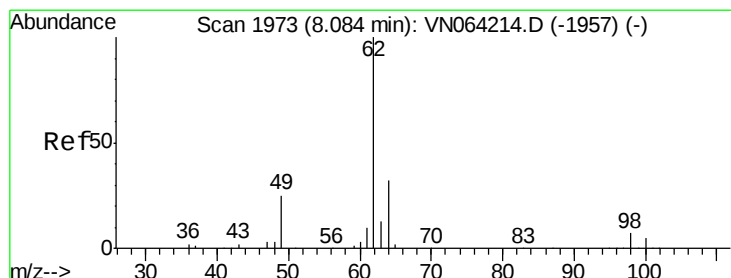
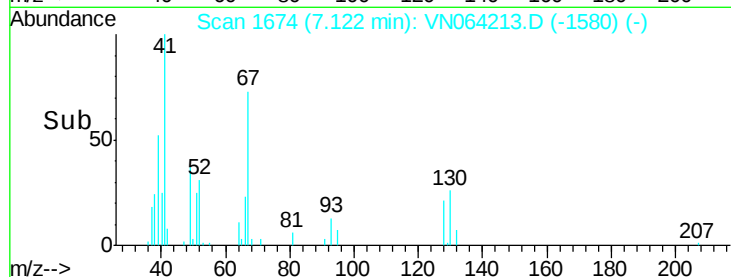
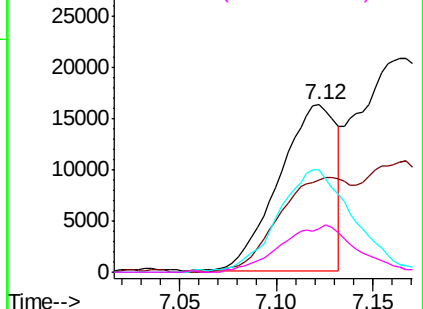
#41  
Methacrylonitrile  
Concen: 19.846 ug/l  
RT: 7.12 min Scan# 1674  
Delta R.T. 0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 33440 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 74.0  | 50.5  | 75.7  |
| 67       | 82.1  | 63.2  | 94.8  |
| 52       | 37.5  | 29.3  | 43.9  |

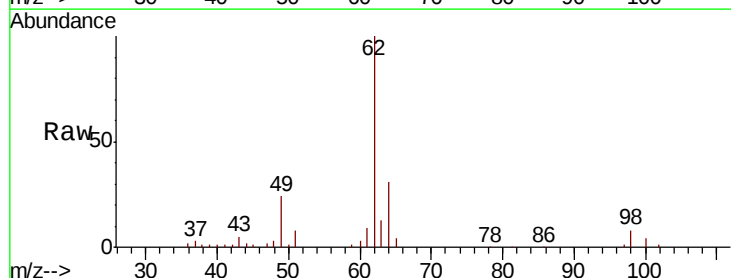


Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0  
Ion 67.00 (66.70 to 67.70): VN0  
Ion 52.00 (51.70 to 52.70): VN0

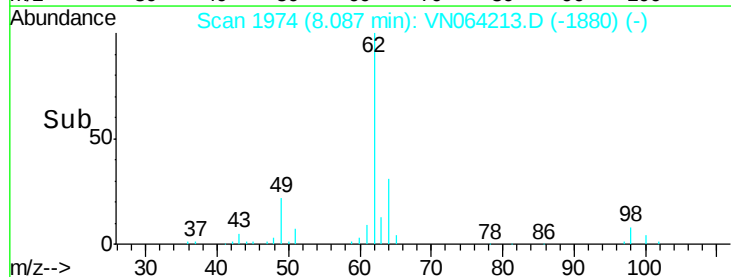
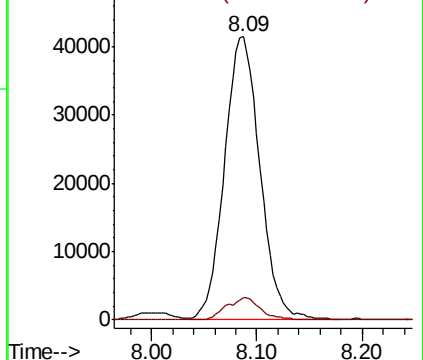


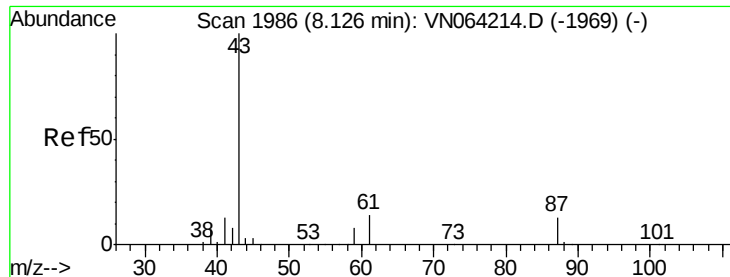
#42  
1,2-Dichloroethane  
Concen: 20.507 ug/l  
RT: 8.09 min Scan# 1974  
Delta R.T. 0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 96681 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 7.5   | 0.0   | 15.0  |



Abundance Ion 61.90 (61.60 to 62.60): VN0  
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 21.329 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

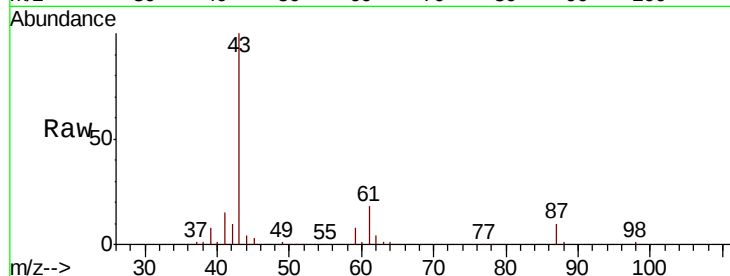
MSVOA\_N

ClientSampleId :

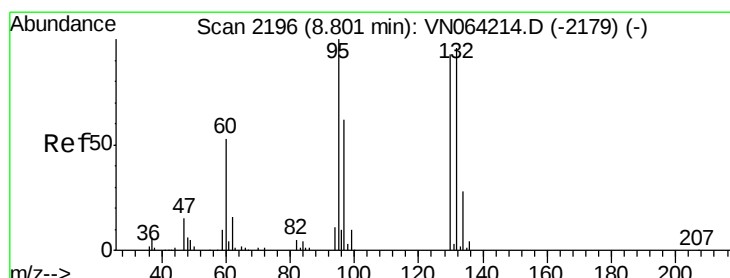
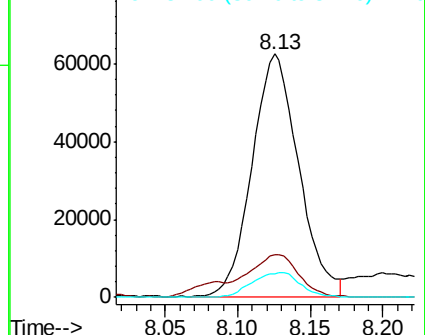
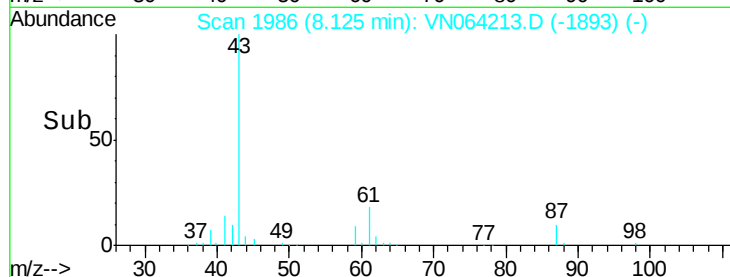
VSTDIC020

Tot Ion: 43 Resp: 139233

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 18.9  | 19.6  | 29.4# |
| 87  | 10.6  | 9.8   | 14.6  |



Abundance Ion 43.00 (42.70 to 43.70): VN064213.D (-1893) (-)



#44

Trichloroethene

Concen: 17.924 ug/l

RT: 8.80 min Scan# 2196

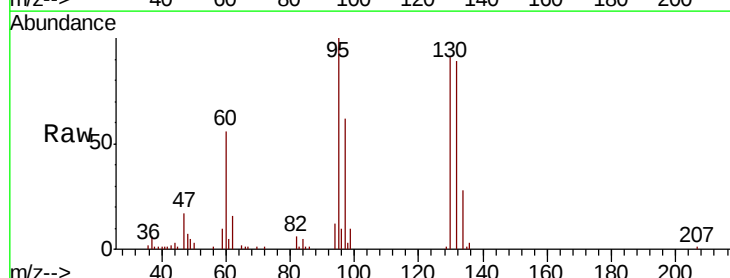
Delta R.T. -0.00 min

Lab File: VN064213.D

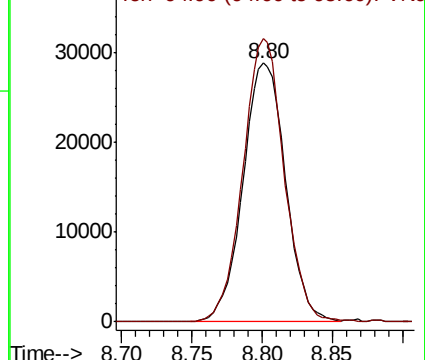
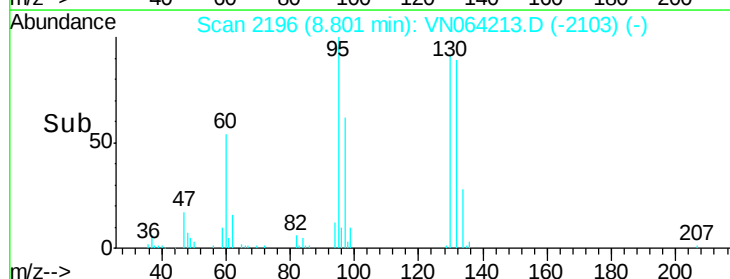
Acq: 21 Oct 2020 11:21

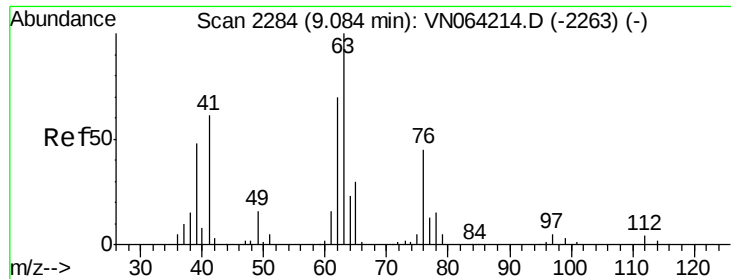
Tgt Ion: 130 Resp: 61011

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 130 | 100   |       |       |
| 95  | 109.5 | 0.0   | 214.0 |



Abundance Ion 129.80 (129.50 to 130.50): VN064213.D (-2103) (-)

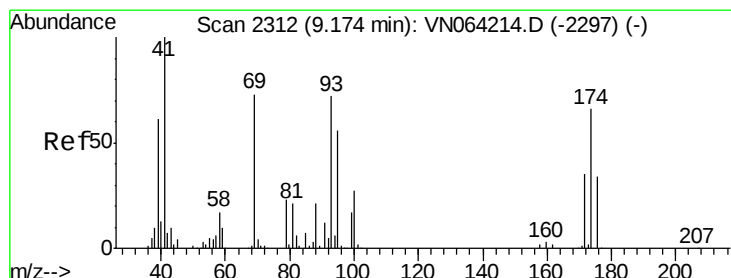
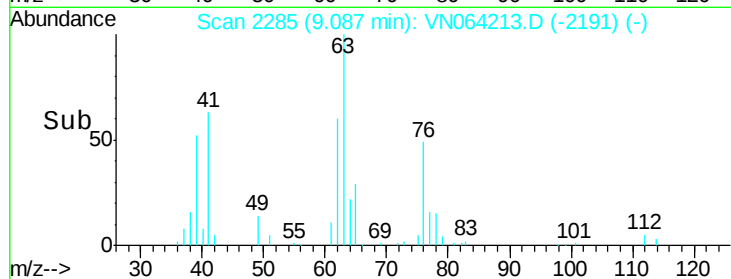
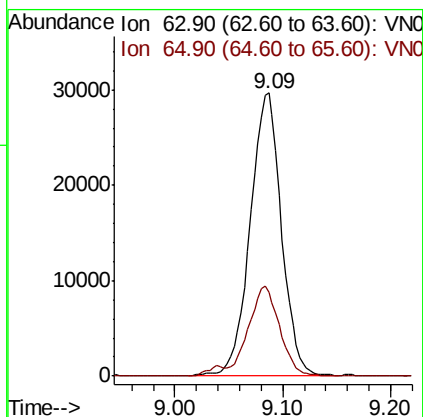
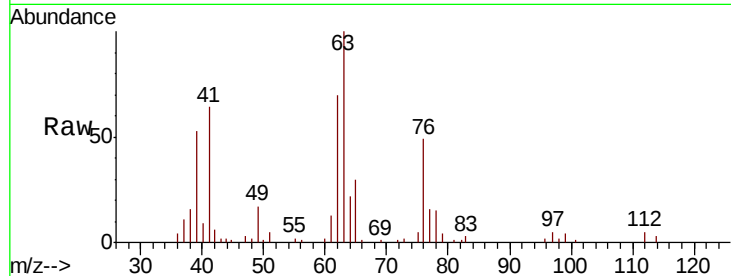




#45  
 1,2-Dichloropropane  
 Concen: 17.555 ug/l  
 RT: 9.09 min Scan# 2285  
 Delta R.T. 0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

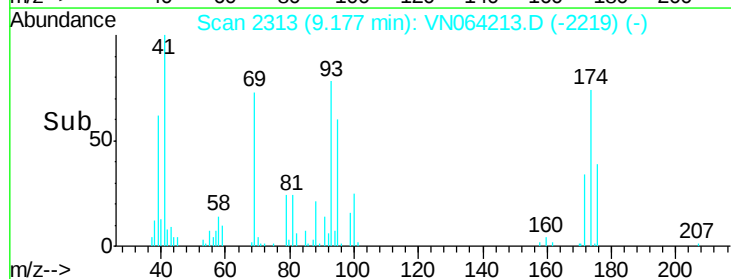
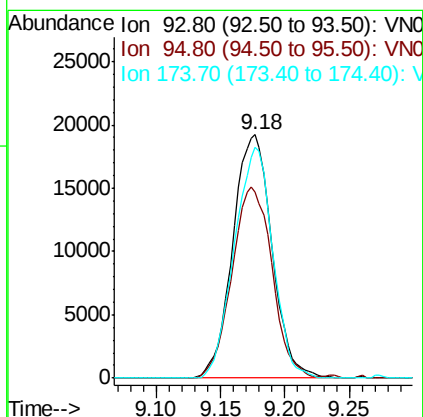
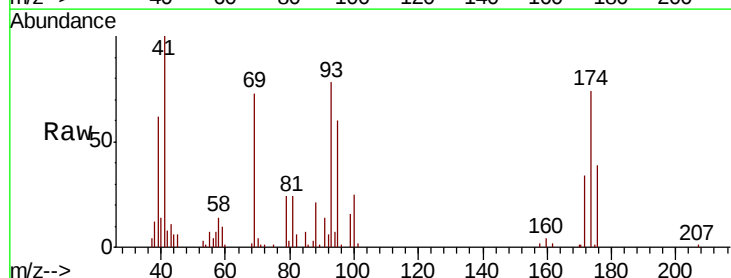
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

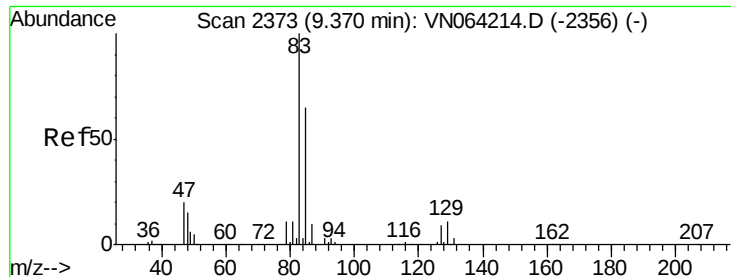
Tot Ion: 63 Resp: 59778  
 Ion Ratio Lower Upper  
 63 100  
 65 29.6 24.0 36.0



#46  
 Dibromomethane  
 Concen: 16.876 ug/l  
 RT: 9.18 min Scan# 2313  
 Delta R.T. 0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

Tgt Ion: 93 Resp: 40653  
 Ion Ratio Lower Upper  
 93 100  
 95 80.6 63.0 94.4  
 174 92.7 72.9 109.3

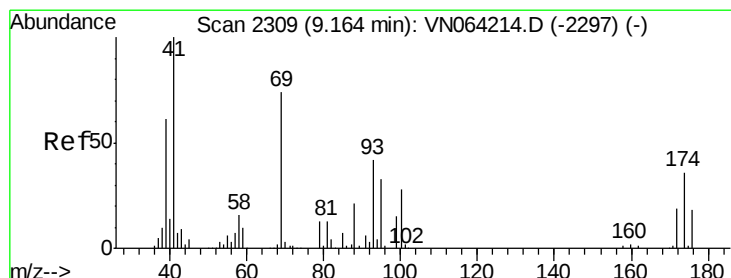
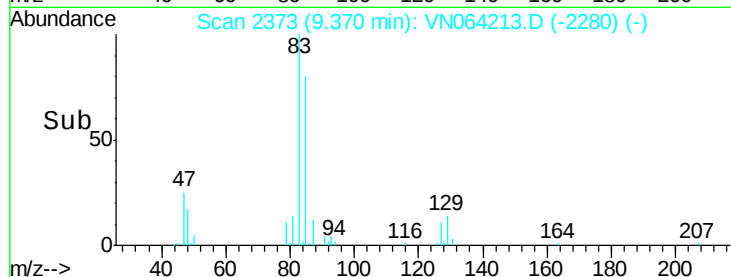
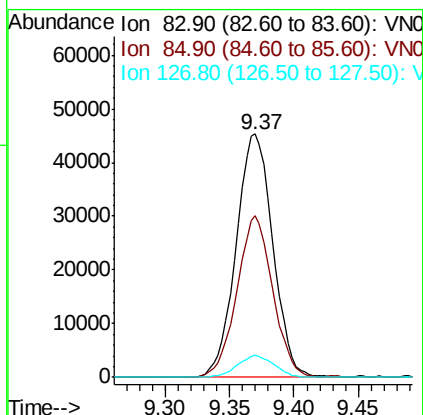
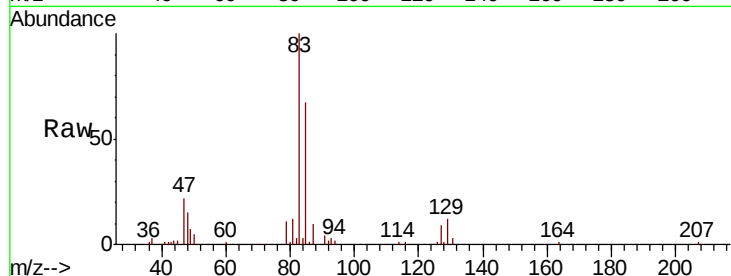




#47  
Bromodichloromethane  
Concen: 18.845 ug/l  
RT: 9.37 min Scan# 2373  
Delta R.T. -0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

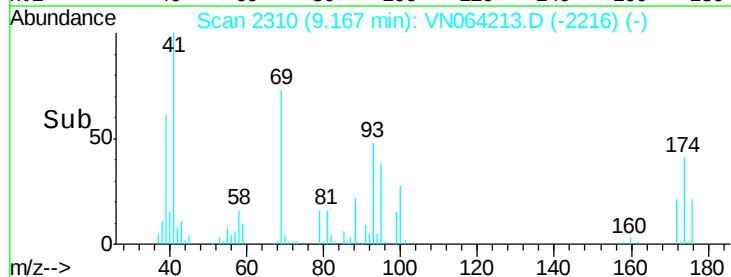
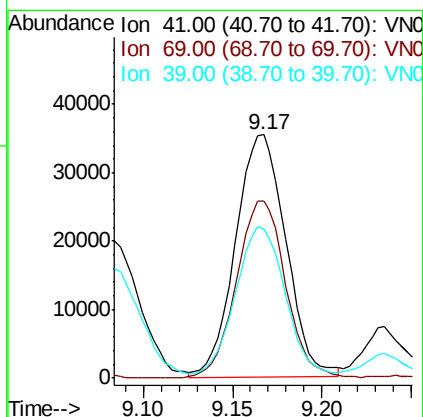
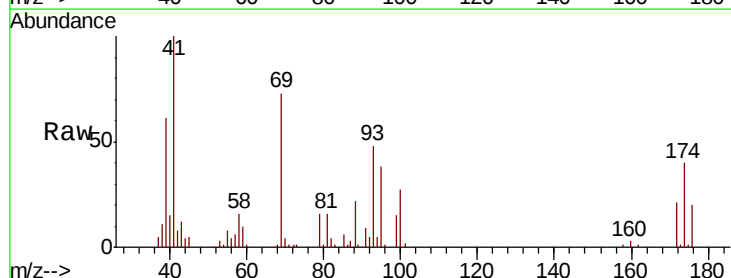
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

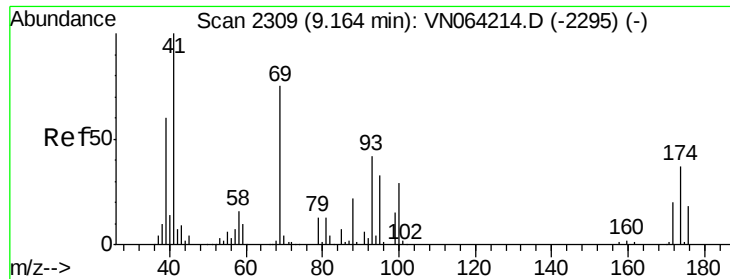
Tot Ion: 83 Resp: 89764  
Ion Ratio Lower Upper  
83 100  
85 66.6 51.8 77.8  
127 9.2 7.4 11.0



#48  
Methyl methacrylate  
Concen: 22.860 ug/l  
RT: 9.17 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

Tgt Ion: 41 Resp: 69910  
Ion Ratio Lower Upper  
41 100  
69 71.4 57.3 85.9  
39 61.6 48.6 73.0

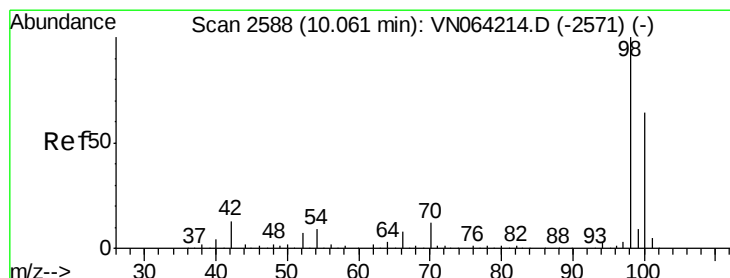
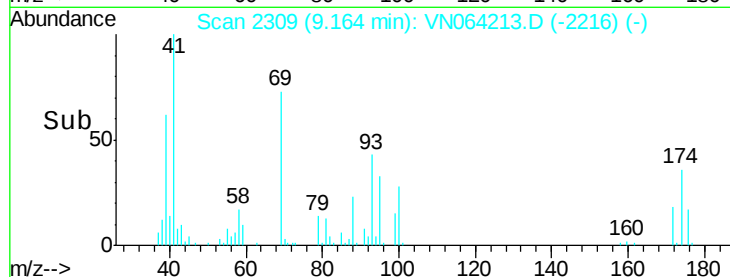
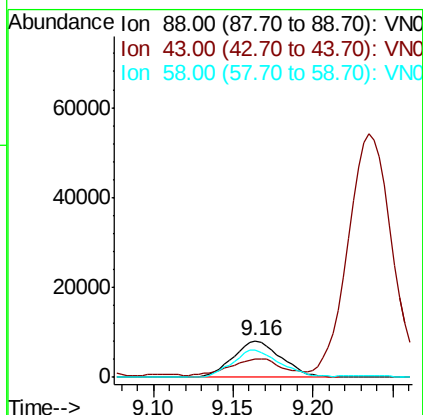
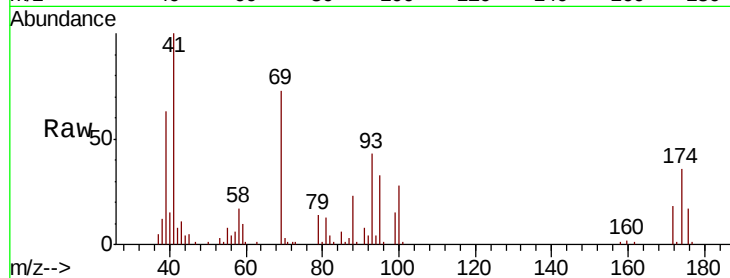




#49  
1,4-Dioxane  
Concen: 373.756 ug/l  
RT: 9.16 min Scan# 2309  
Delta R.T. -0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

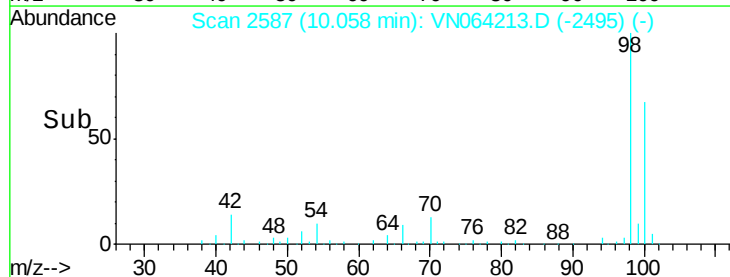
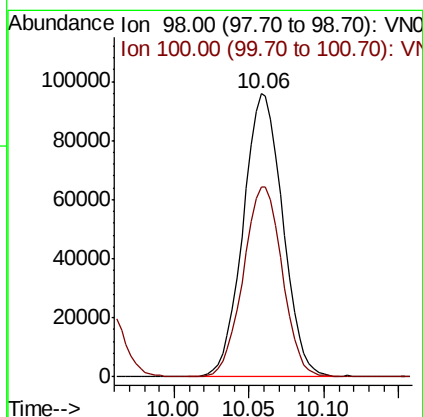
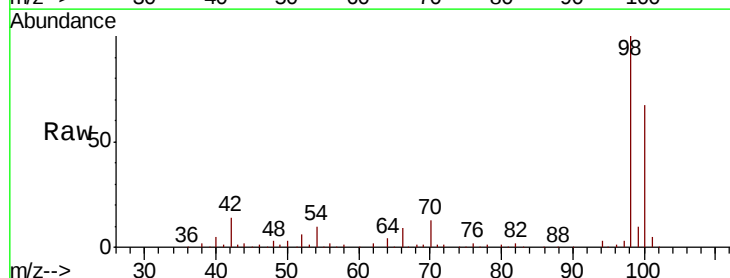
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

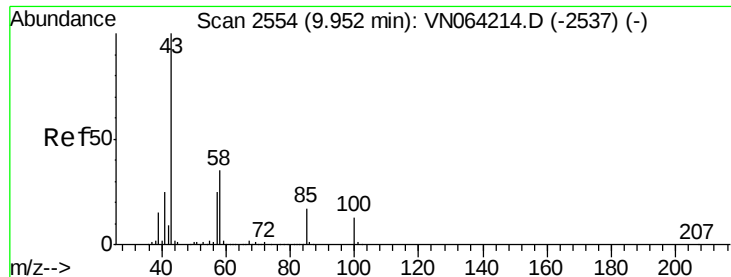
Tot Ion: 88 Resp: 16770  
Ion Ratio Lower Upper  
88 100  
43 47.3 34.6 52.0  
58 72.9 59.0 88.6



#50  
Toluene-d8  
Concen: 15.296 ug/l  
RT: 10.06 min Scan# 2587  
Delta R.T. -0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

Tgt Ion: 98 Resp: 176785  
Ion Ratio Lower Upper  
98 100  
100 66.3 50.8 76.2

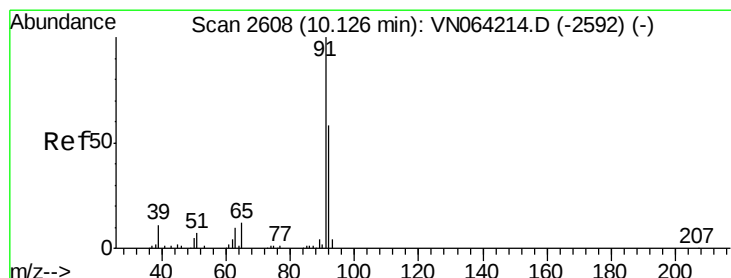
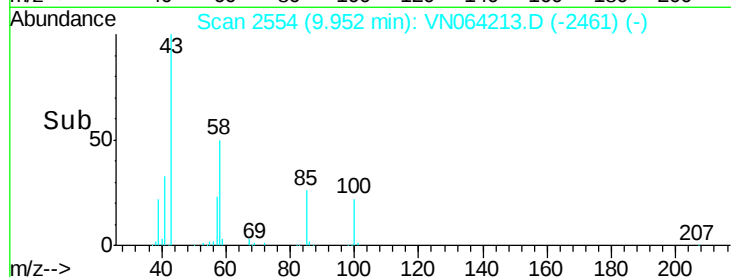
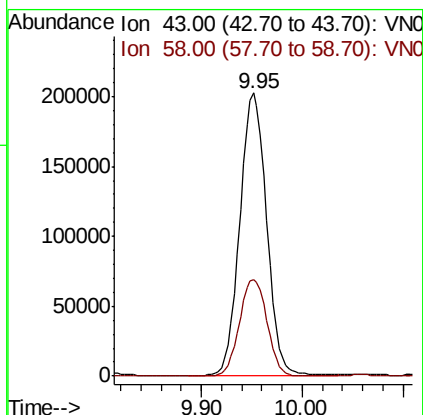
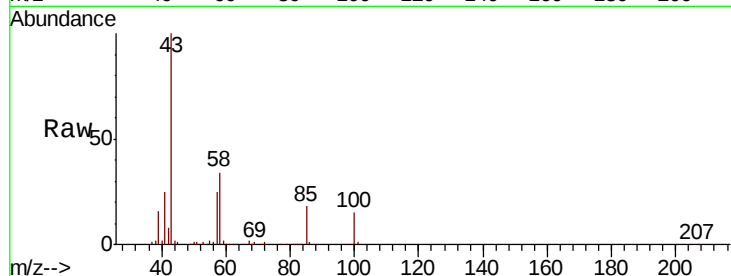




#51  
4-Methyl-2-Pentanone  
Concen: 97.573 ug/l  
RT: 9.95 min Scan# 2554  
Delta R.T. -0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

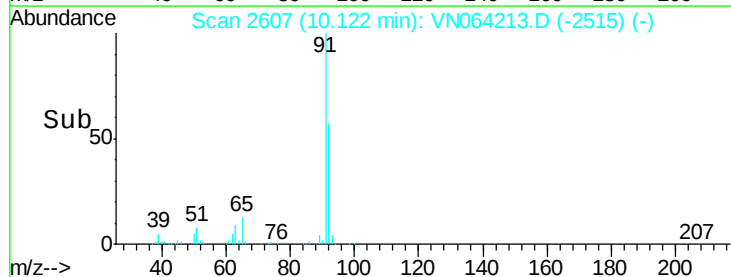
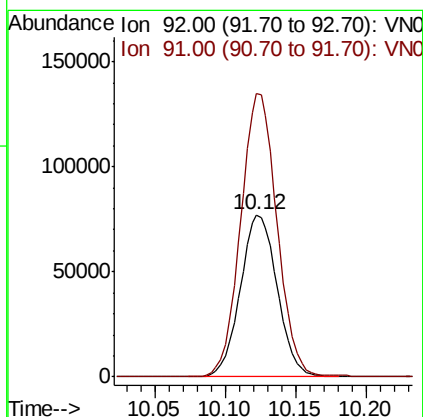
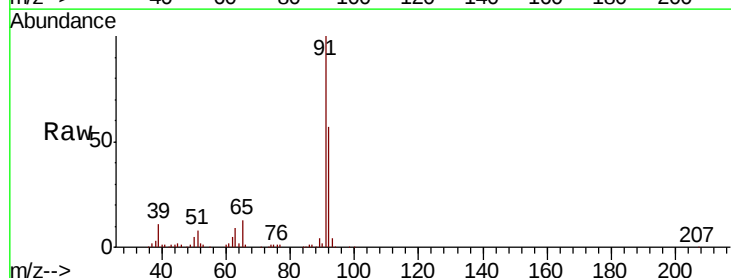
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

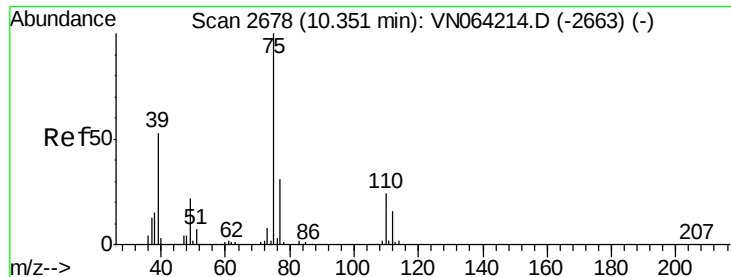
Tot Ion: 43 Resp: 369796  
Ion Ratio Lower Upper  
43 100  
58 35.4 28.6 42.8



#52  
Toluene  
Concen: 17.784 ug/l  
RT: 10.12 min Scan# 2607  
Delta R.T. -0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

Tgt Ion: 92 Resp: 141021  
Ion Ratio Lower Upper  
92 100  
91 172.8 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 20.110 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA\_N

ClientSampleId :

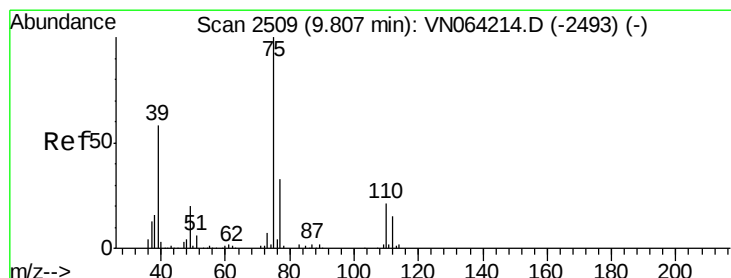
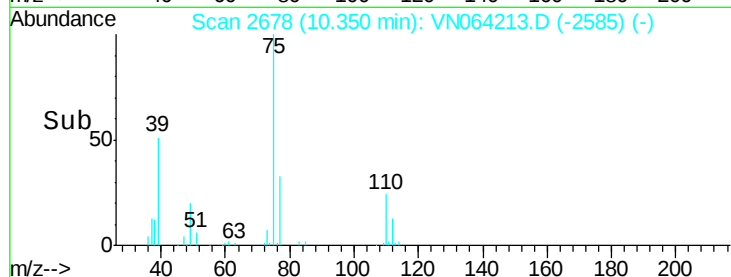
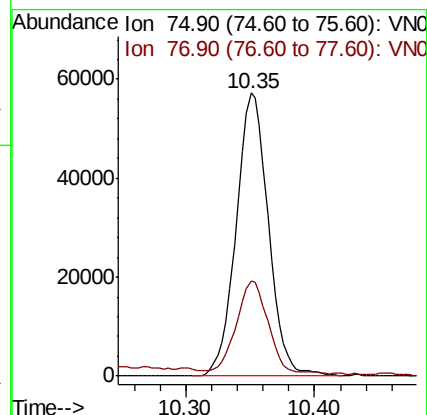
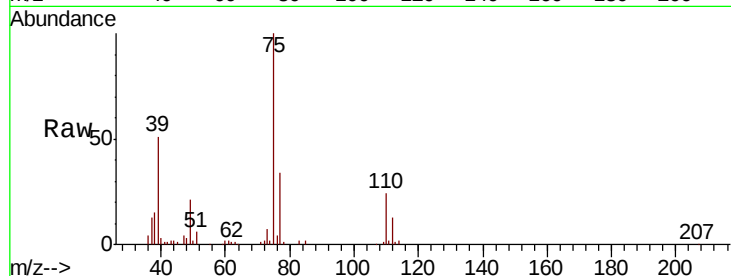
VSTDIC020

Tot Ion: 75 Resp: 99475

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 19.281 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

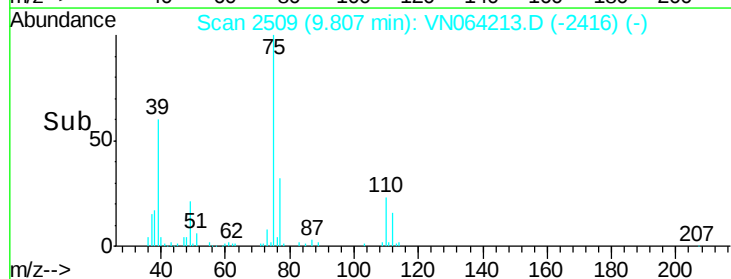
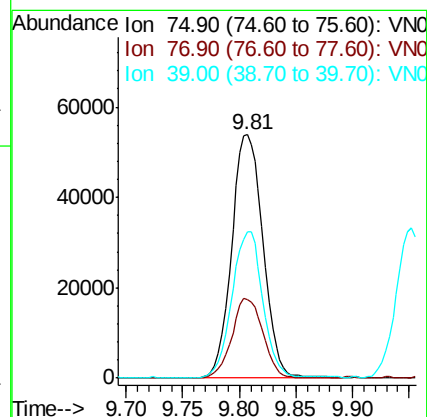
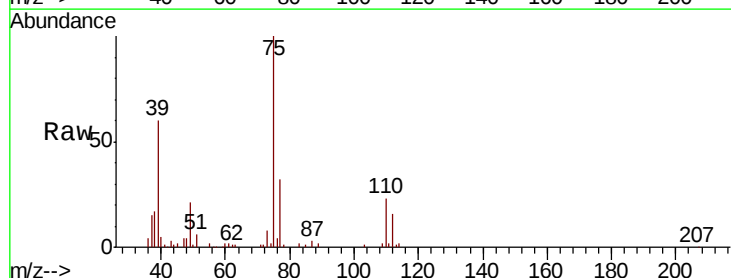
Tgt Ion: 75 Resp: 103992

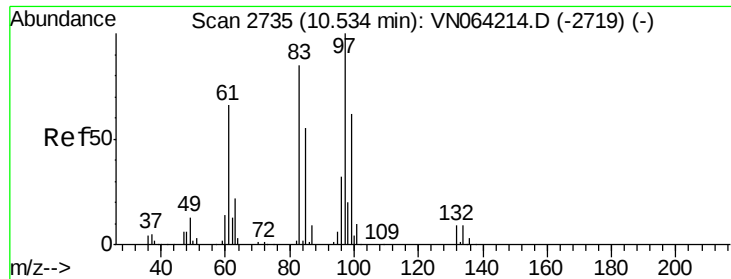
Ion Ratio Lower Upper

75 100

77 32.2 26.6 39.8

39 59.9 46.7 70.1

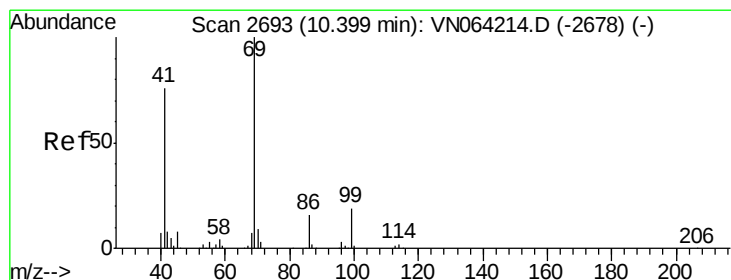
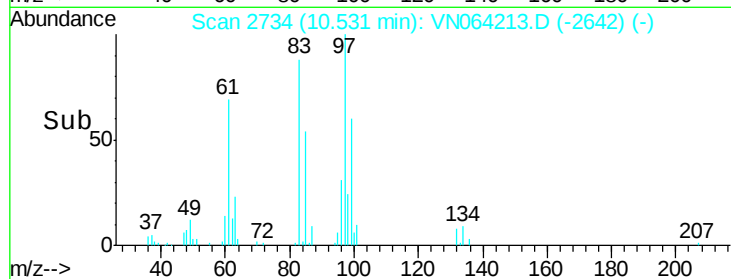
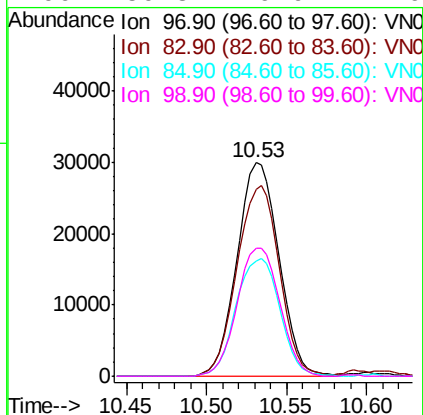
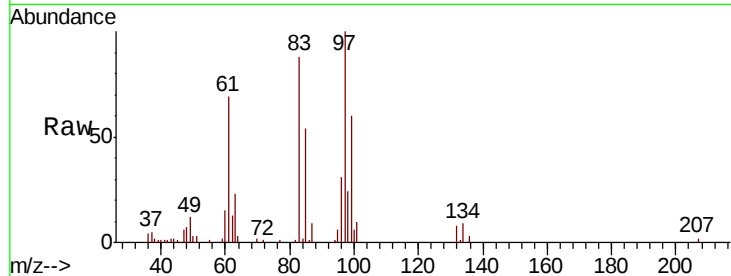




#55  
 1,1,2-Trichloroethane  
 Concen: 16.392 ug/l  
 RT: 10.53 min Scan# 2734  
 Delta R.T. -0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

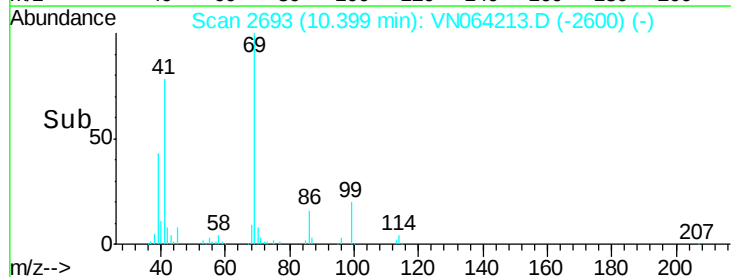
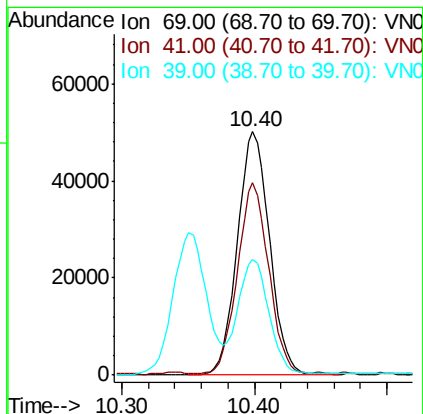
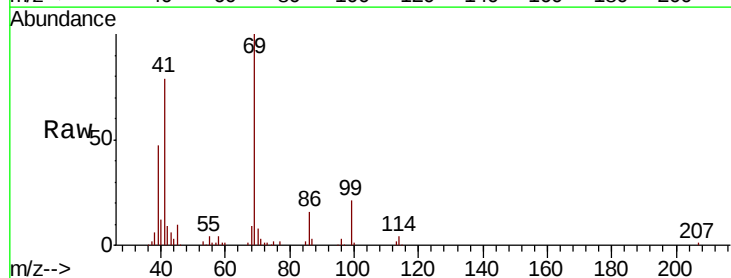
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

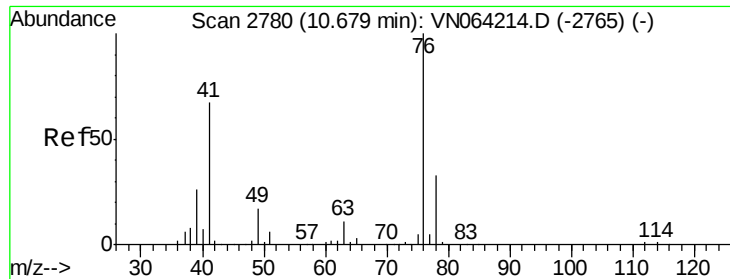
Tot Ion: 97 Resp: 53604  
 Ion Ratio Lower Upper  
 97 100  
 83 87.7 67.8 101.6  
 85 53.7 43.6 65.4  
 99 59.8 49.9 74.9



#56  
 Ethyl methacrylate  
 Concen: 19.965 ug/l  
 RT: 10.40 min Scan# 2693  
 Delta R.T. -0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

Tgt Ion: 69 Resp: 84789  
 Ion Ratio Lower Upper  
 69 100  
 41 75.3 61.4 92.2  
 39 45.1 36.0 54.0

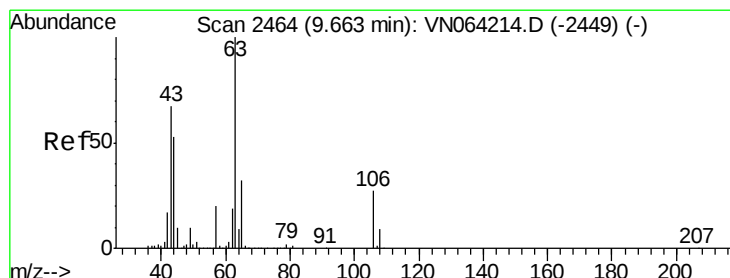
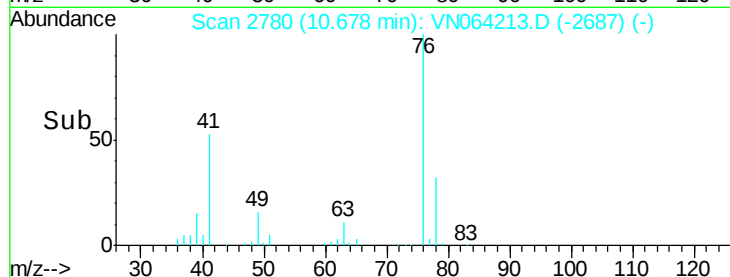
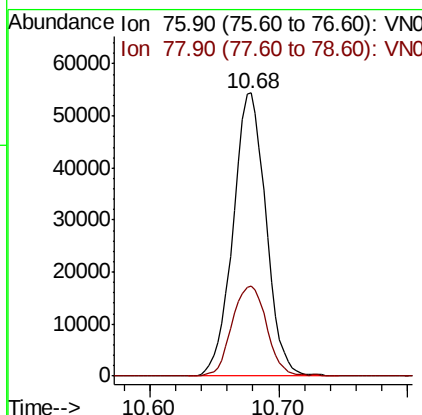
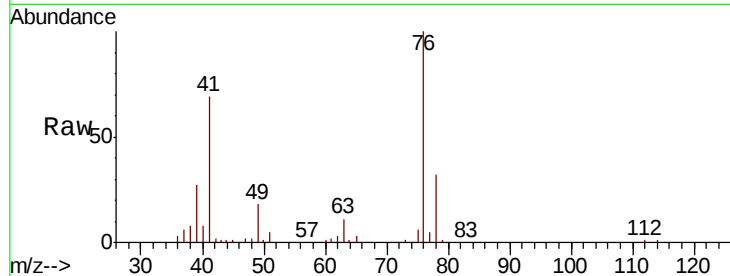




#57  
 1,3-Dichloropropane  
 Concen: 17.771 ug/l  
 RT: 10.68 min Scan# 2780  
 Delta R.T. -0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

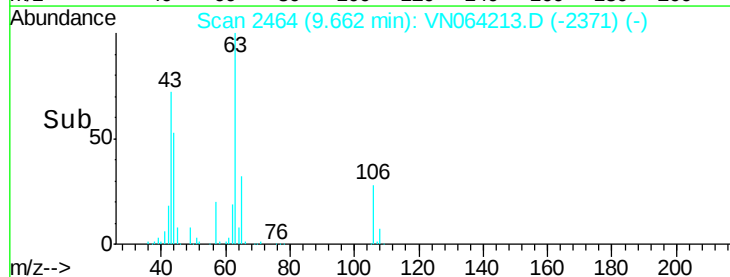
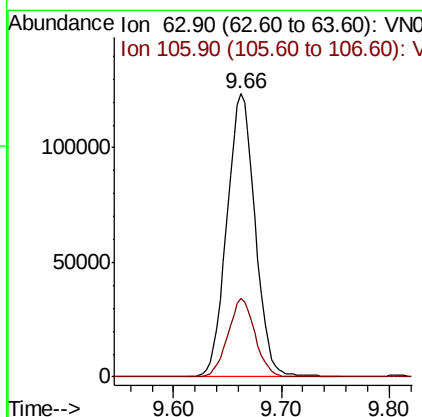
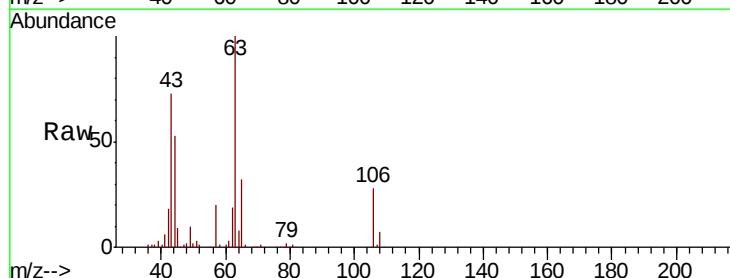
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

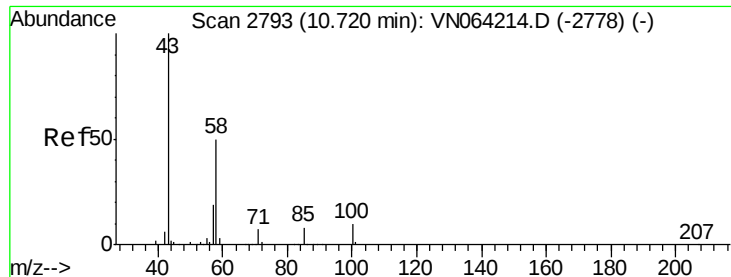
Tot Ion: 76 Resp: 96456  
 Ion Ratio Lower Upper  
 76 100  
 78 33.5 26.2 39.2



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 106.129 ug/l  
 RT: 9.66 min Scan# 2464  
 Delta R.T. -0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

Tgt Ion: 63 Resp: 225869  
 Ion Ratio Lower Upper  
 63 100  
 106 26.4 21.3 31.9

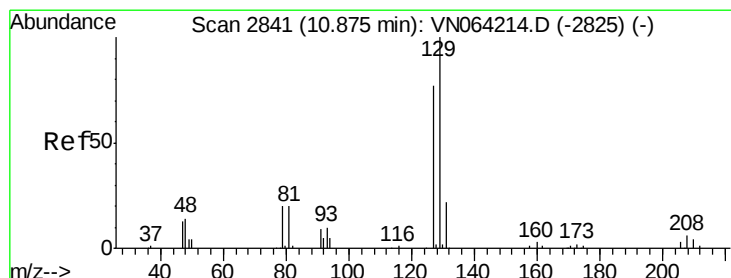
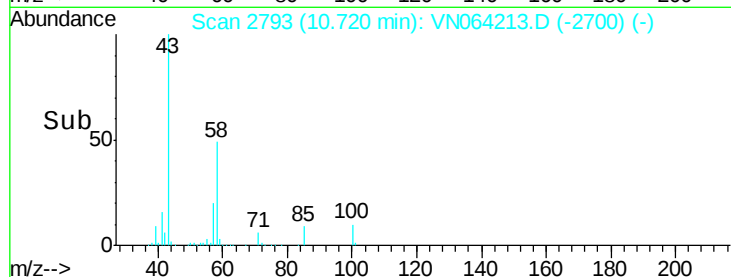
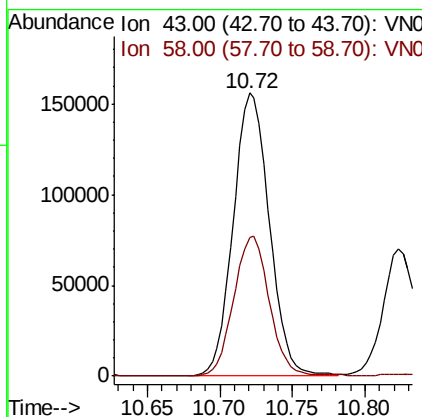
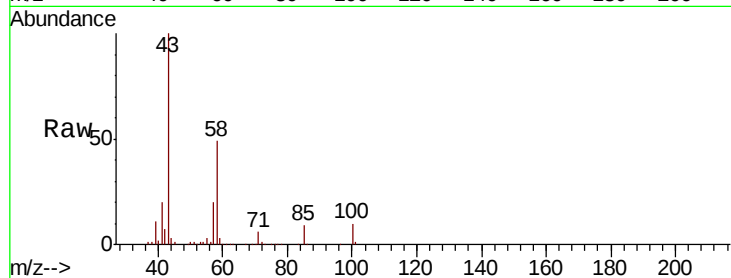




#59  
2-Hexanone  
Concen: 99.997 ug/l  
RT: 10.72 min Scan# 2793  
Delta R.T. -0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

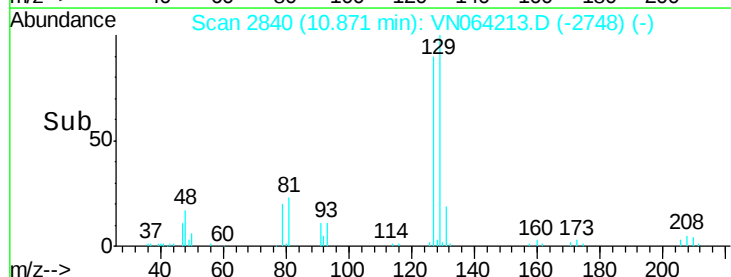
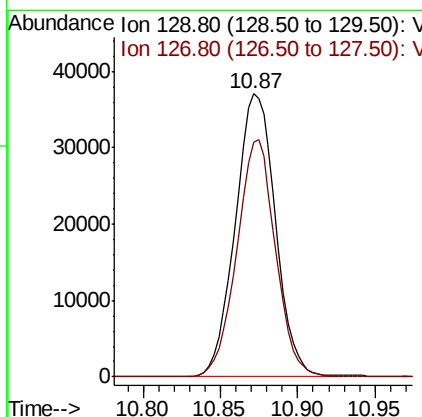
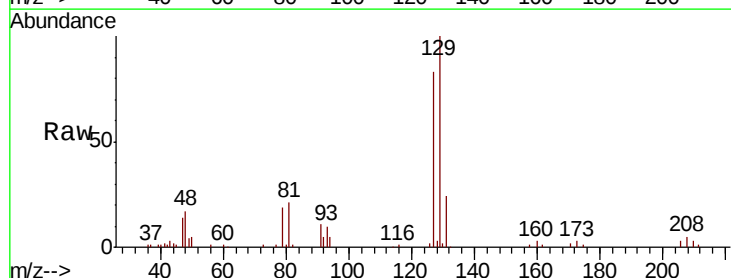
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

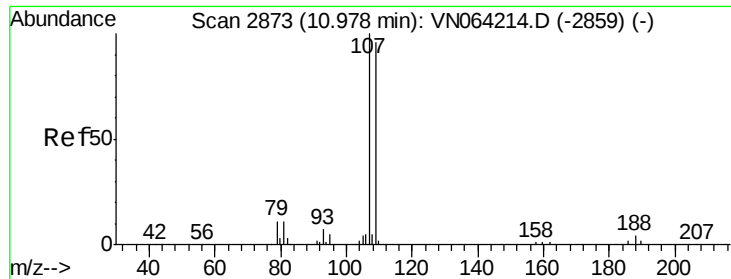
Tot Ion: 43 Resp: 266927  
Ion Ratio Lower Upper  
43 100  
58 49.6 24.8 74.3



#60  
Dibromochloromethane  
Concen: 17.988 ug/l  
RT: 10.87 min Scan# 2840  
Delta R.T. -0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

Tgt Ion: 129 Resp: 66993  
Ion Ratio Lower Upper  
129 100  
127 80.4 38.8 116.3

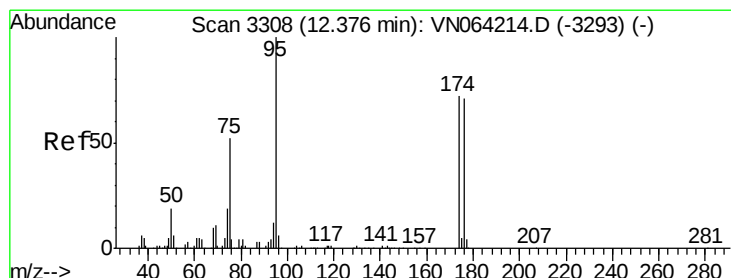
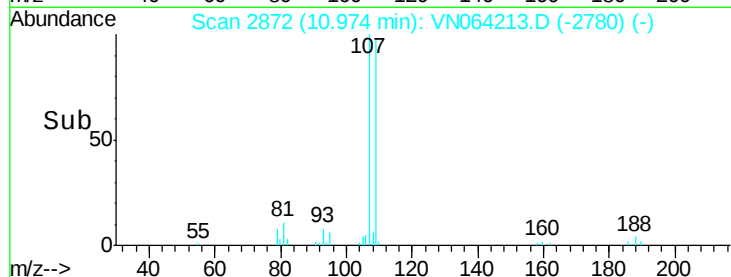
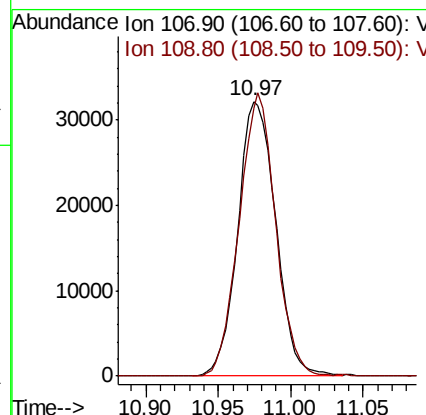
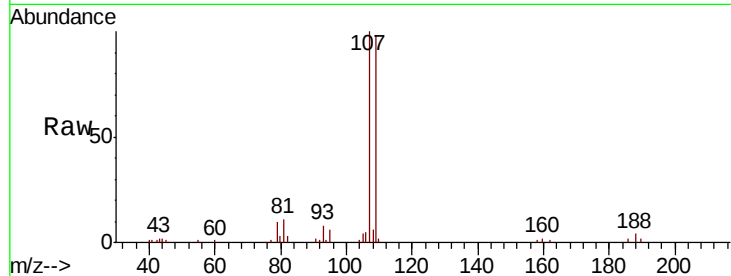




#61  
 1,2-Dibromoethane  
 Concen: 17.575 ug/l  
 RT: 10.97 min Scan# 2872  
 Delta R.T. -0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

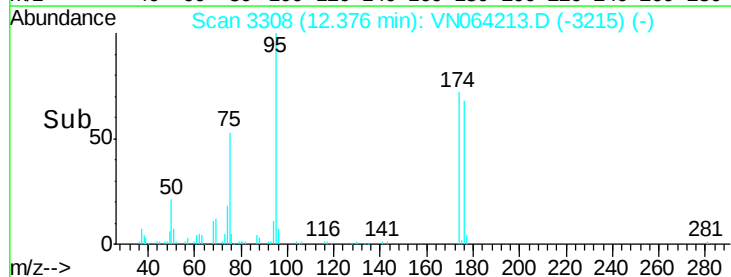
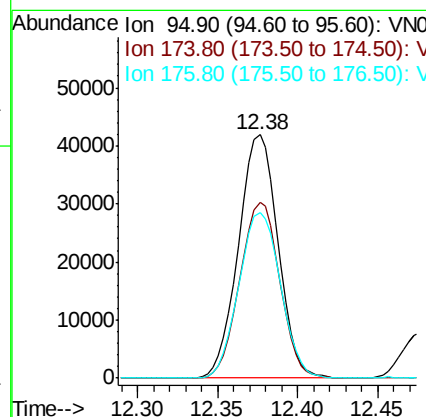
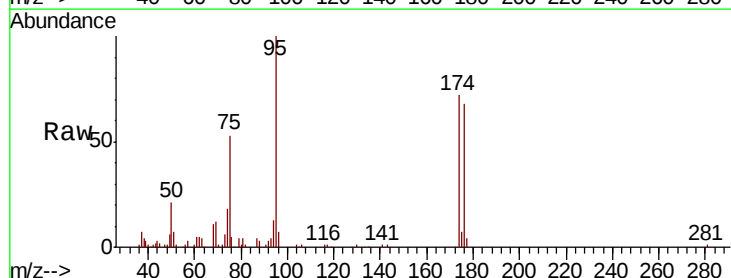
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

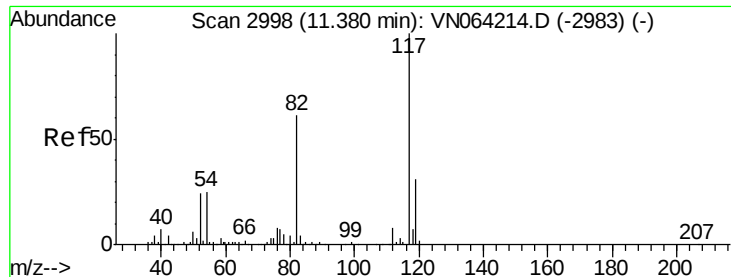
Tot Ion:107 Resp: 58502  
 Ion Ratio Lower Upper  
 107 100  
 109 98.8 76.2 114.4



#62  
 4-Bromofluorobenzene  
 Concen: 17.247 ug/l  
 RT: 12.38 min Scan# 3308  
 Delta R.T. -0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

Tgt Ion: 95 Resp: 70524  
 Ion Ratio Lower Upper  
 95 100  
 174 72.9 0.0 144.4  
 176 71.8 0.0 139.2

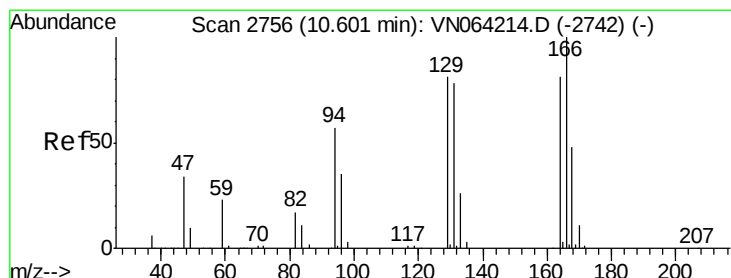
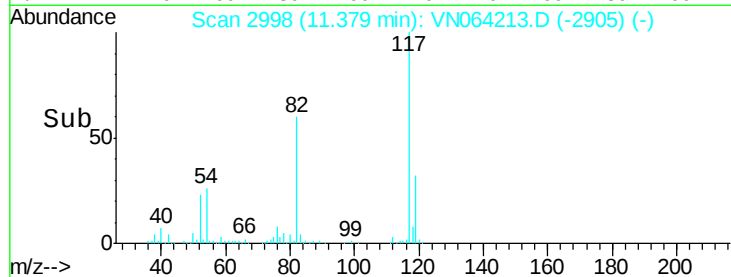
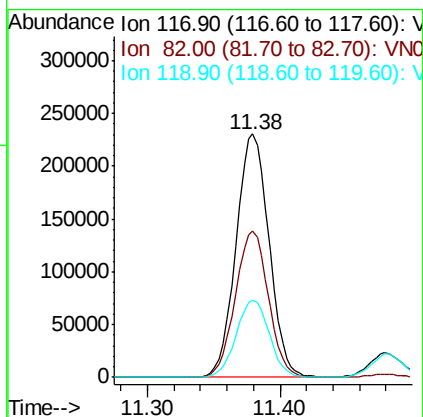
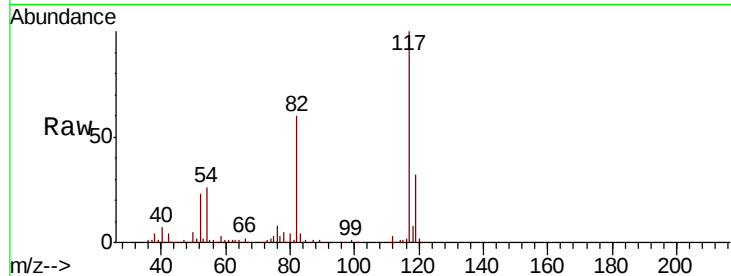




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. -0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

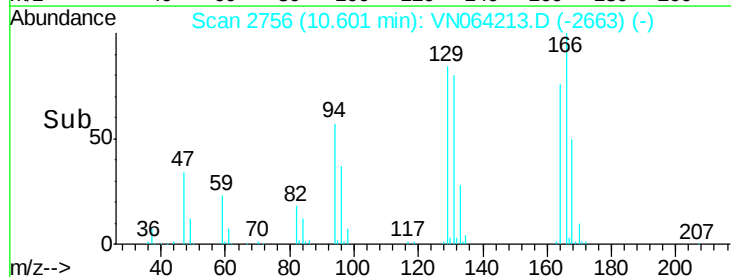
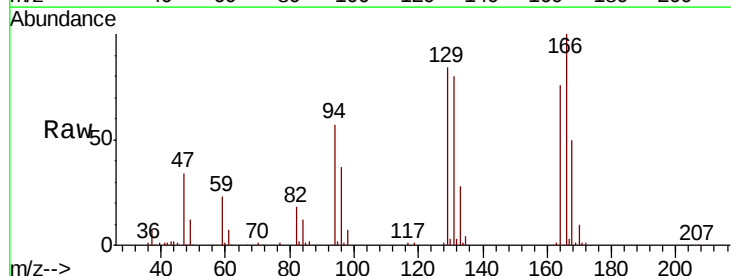
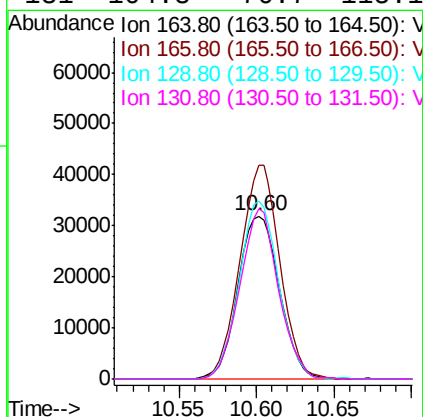
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

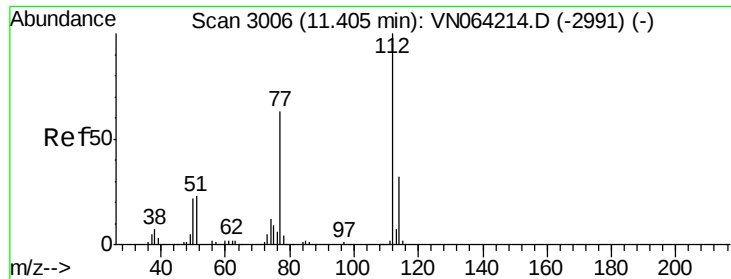
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 60.4  | 48.8  | 73.2  |
| 119     | 31.7  | 24.7  | 37.1  |



#64  
Tetrachloroethene  
Concen: 19.576 ug/l  
RT: 10.60 min Scan# 2756  
Delta R.T. -0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 130.8 | 98.9  | 148.3 |
| 129     | 109.4 | 79.9  | 119.9 |
| 131     | 104.8 | 76.7  | 115.1 |

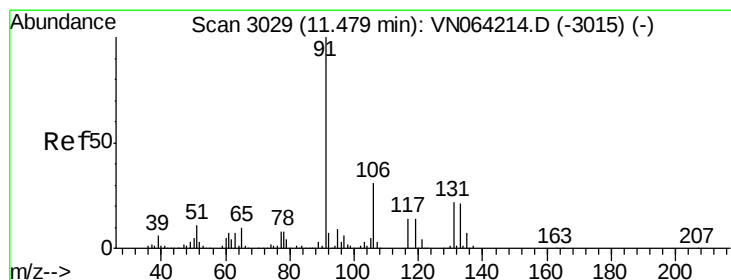
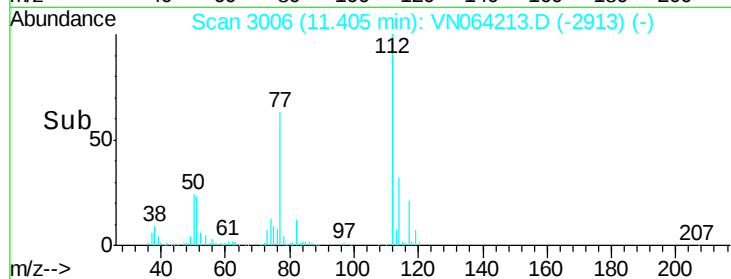
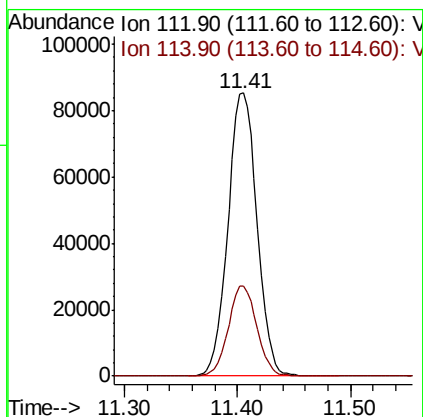
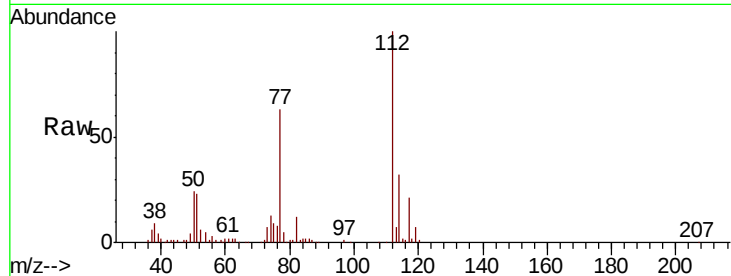




#65  
Chlorobenzene  
Concen: 18.116 ug/l  
RT: 11.41 min Scan# 3006  
Delta R.T. -0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

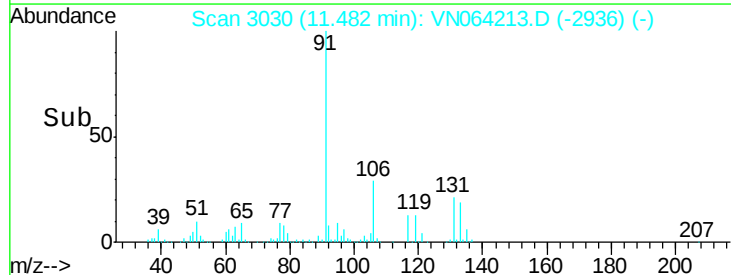
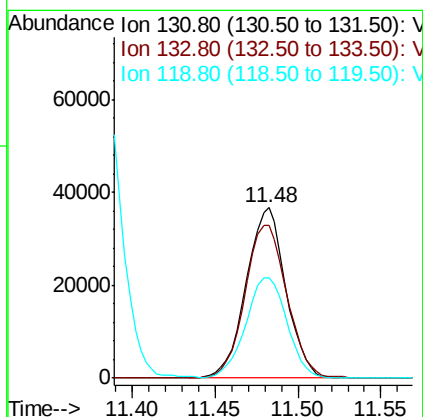
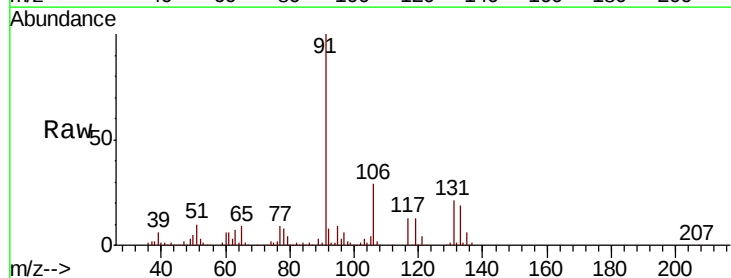
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

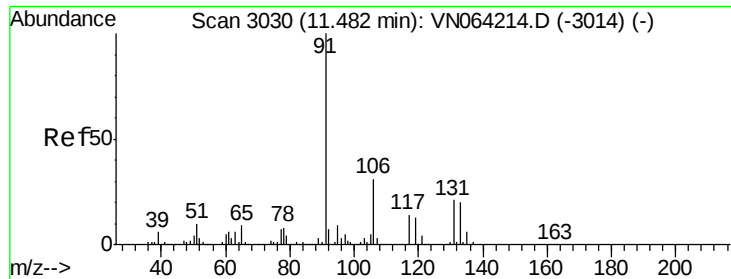
Tot Ion:112 Resp: 152353  
Ion Ratio Lower Upper  
112 100  
114 32.0 25.7 38.5



#66  
1,1,1,2-Tetrachloroethane  
Concen: 18.931 ug/l  
RT: 11.48 min Scan# 3030  
Delta R.T. 0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

Tgt Ion:131 Resp: 60867  
Ion Ratio Lower Upper  
131 100  
133 95.0 47.8 143.4  
119 61.6 32.2 96.6

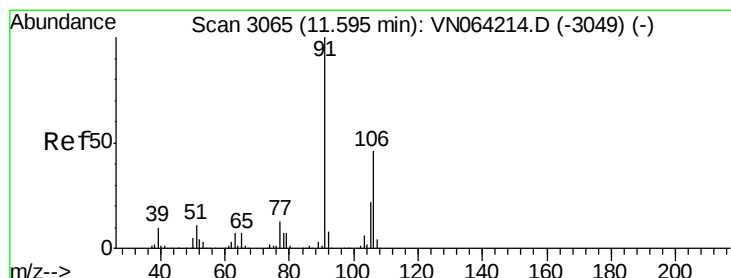
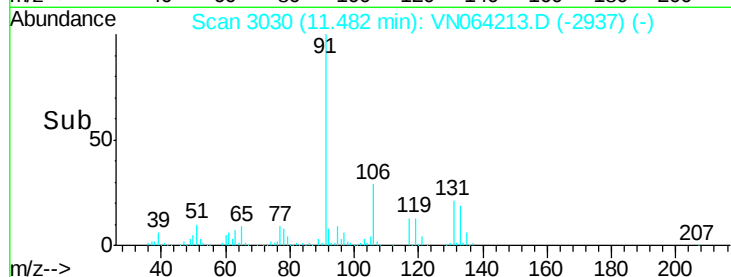
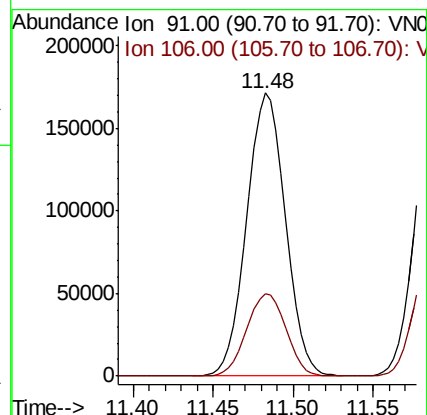
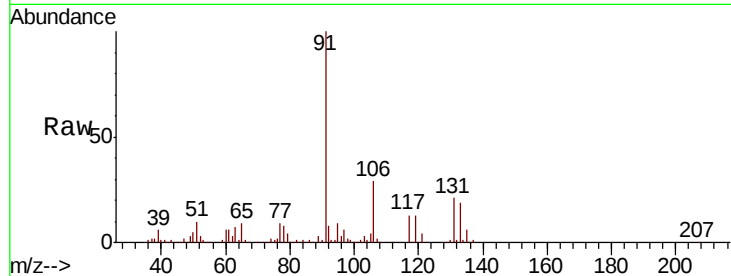




#67  
Ethyl Benzene  
Concen: 19.865 ug/l  
RT: 11.48 min Scan# 3030  
Delta R.T. -0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

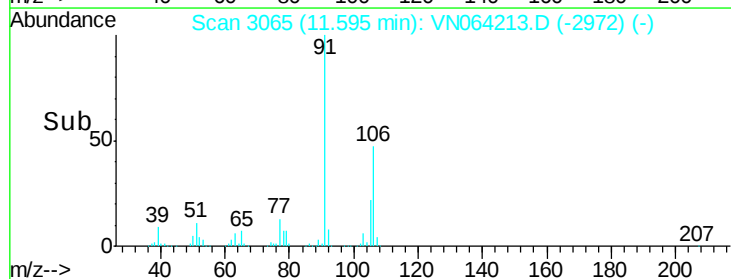
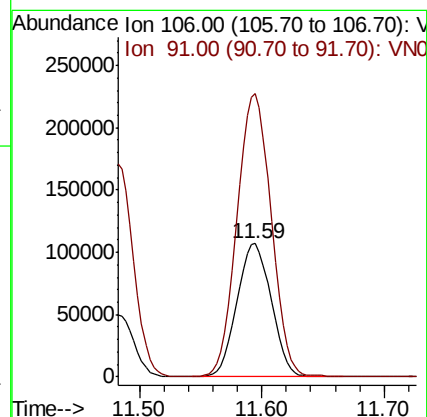
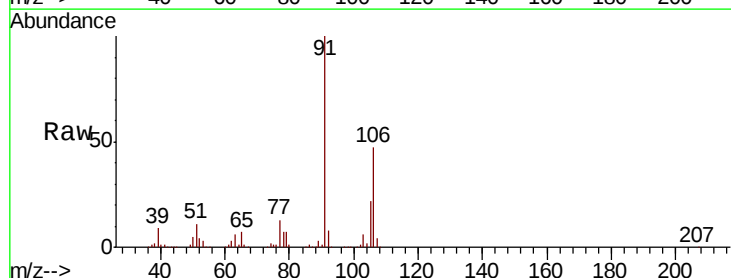
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

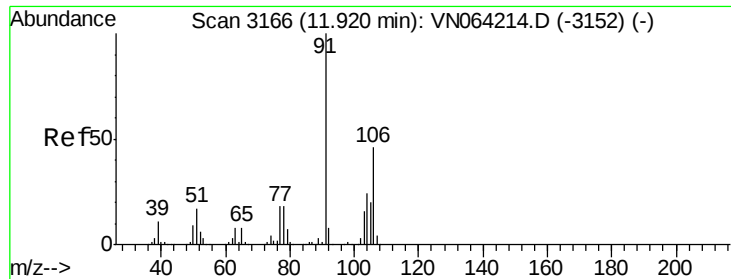
Tot Ion: 91 Resp: 282904  
Ion Ratio Lower Upper  
91 100  
106 29.3 24.8 37.2



#68  
m/p-Xylenes  
Concen: 39.656 ug/l  
RT: 11.59 min Scan# 3065  
Delta R.T. -0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

Tgt Ion: 106 Resp: 208756  
Ion Ratio Lower Upper  
106 100  
91 210.9 172.2 258.2

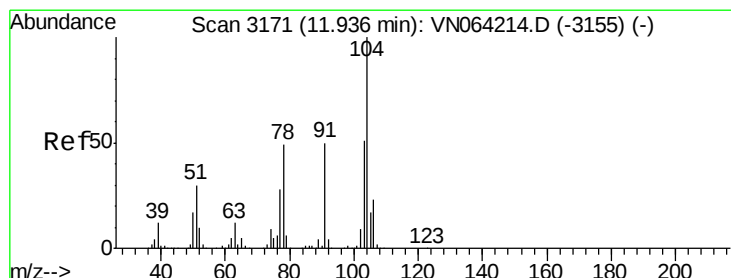
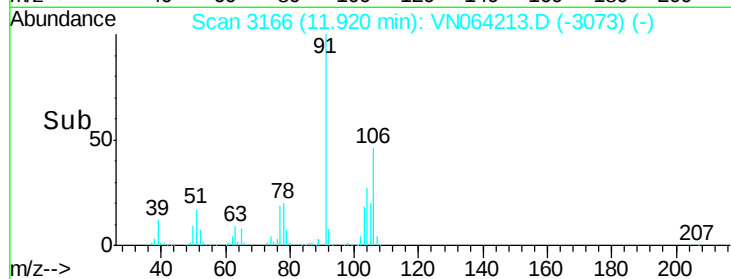
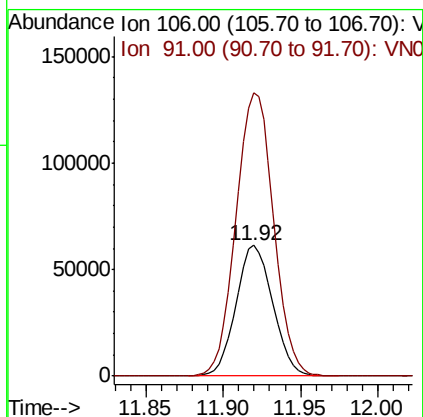
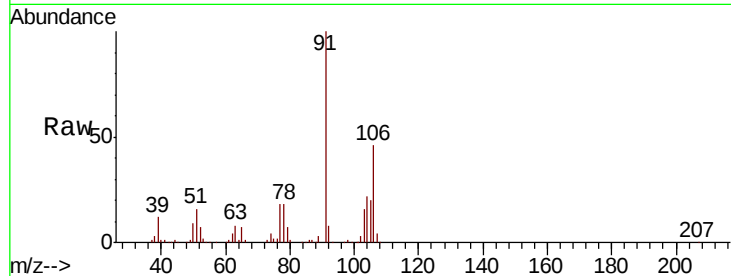




#69  
o-Xylene  
Concen: 20.033 ug/l  
RT: 11.92 min Scan# 3166  
Delta R.T. -0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

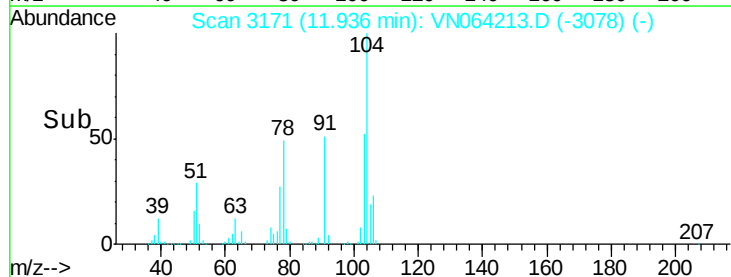
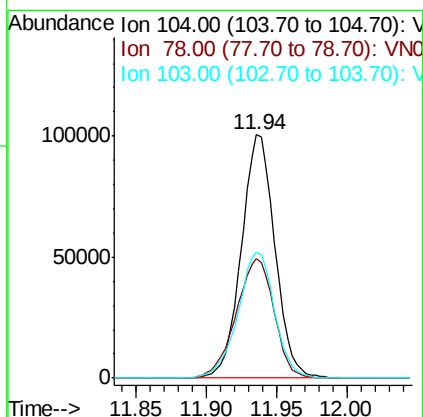
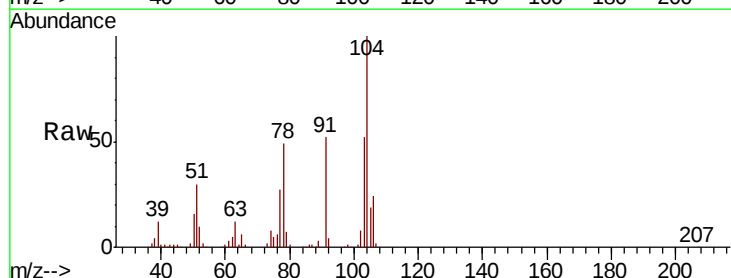
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

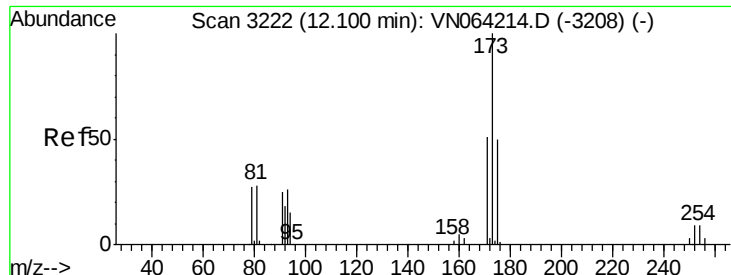
Tot Ion:106 Resp: 101597  
Ion Ratio Lower Upper  
106 100  
91 221.9 109.9 329.6



#70  
Styrene  
Concen: 19.894 ug/l  
RT: 11.94 min Scan# 3171  
Delta R.T. -0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

Tgt Ion:104 Resp: 168060  
Ion Ratio Lower Upper  
104 100  
78 55.3 43.8 65.6  
103 56.4 43.4 65.2





#71

Bromoform

Concen: 19.852 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

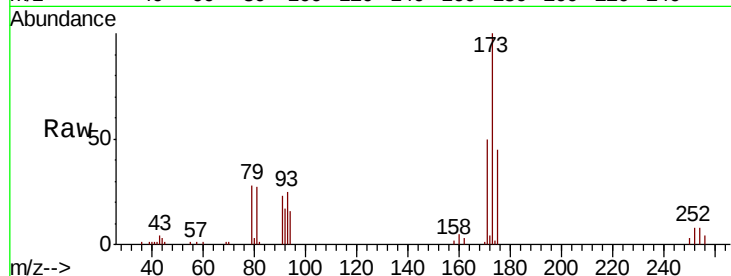
Tot Ion:173 Resp: 47756

Ion Ratio Lower Upper

173 100

175 48.3 25.1 75.3

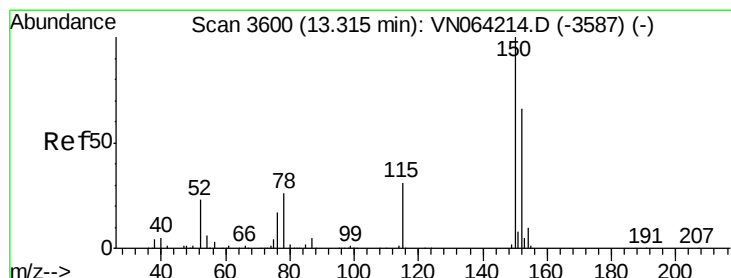
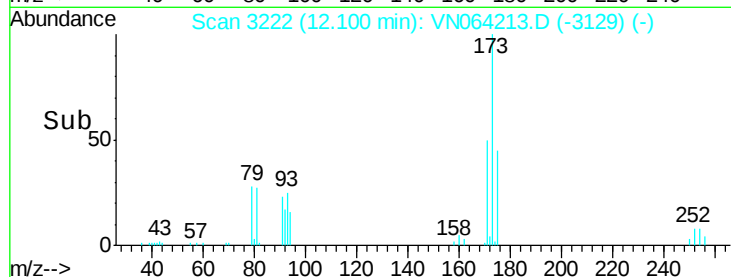
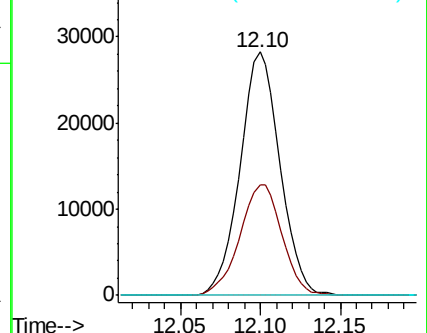
254 0.0 0.0 0.0



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: 13.31 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

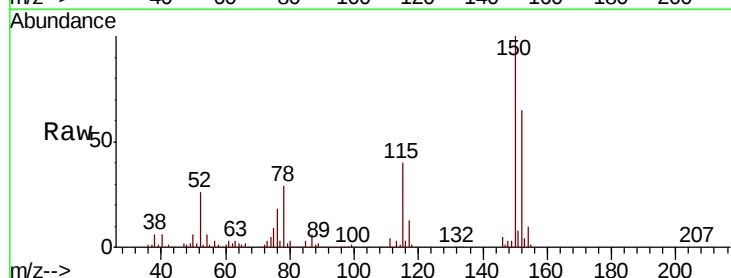
Tgt Ion:152 Resp: 189861

Ion Ratio Lower Upper

152 100

115 63.9 32.0 96.2

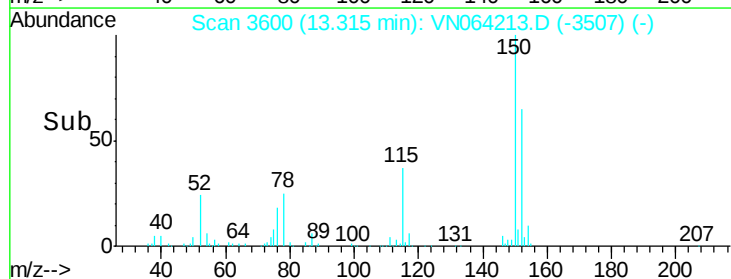
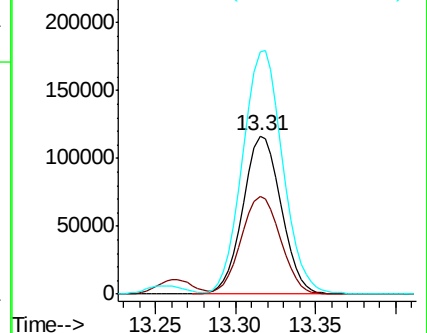
150 161.1 0.0 356.6

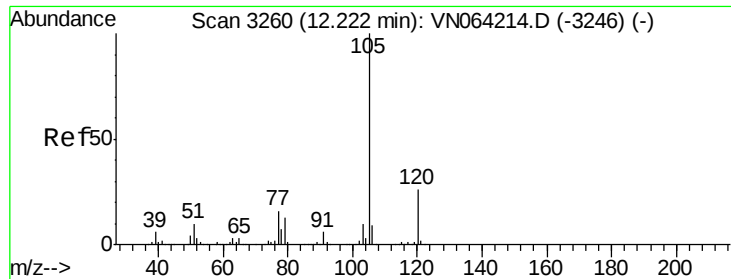


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.184 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA\_N

ClientSampleId :

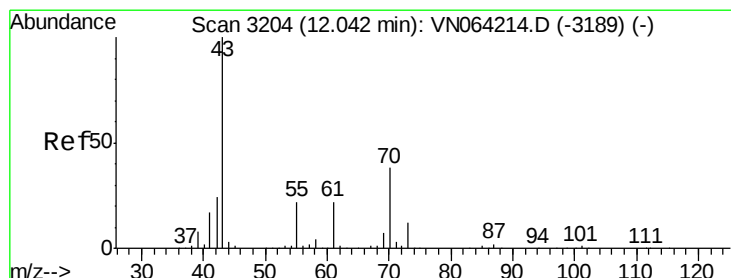
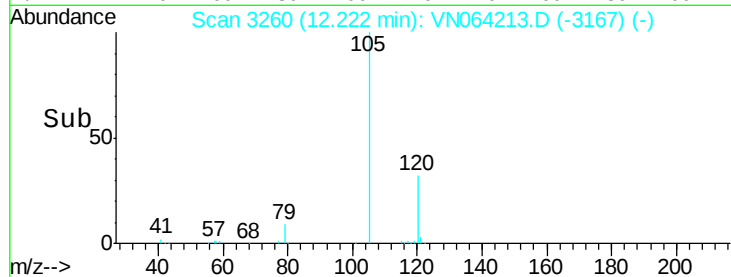
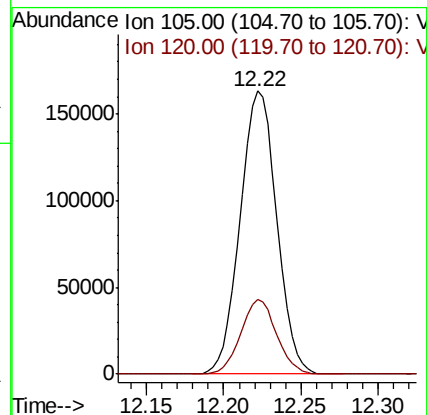
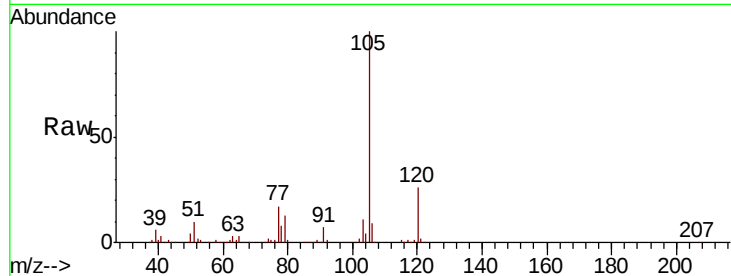
VSTDIC020

Tot Ion:105 Resp: 267756

Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.7



#74

N-ethyl acetate

Concen: 22.004 ug/l

RT: 12.04 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Tgt Ion: 43 Resp: 118611

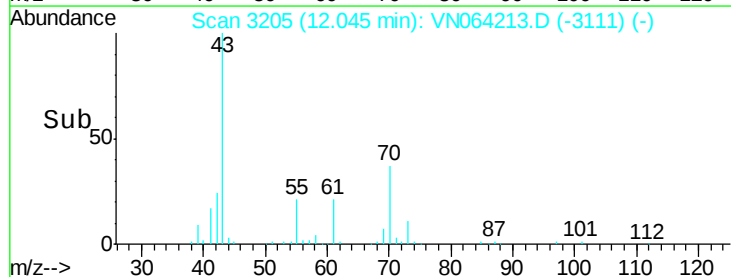
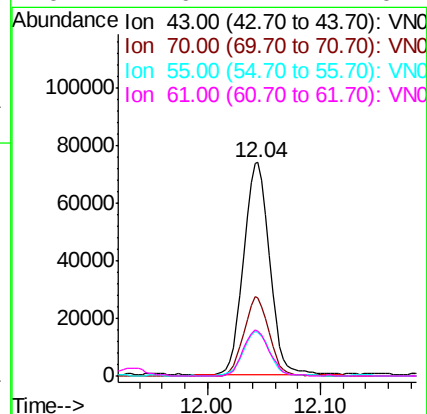
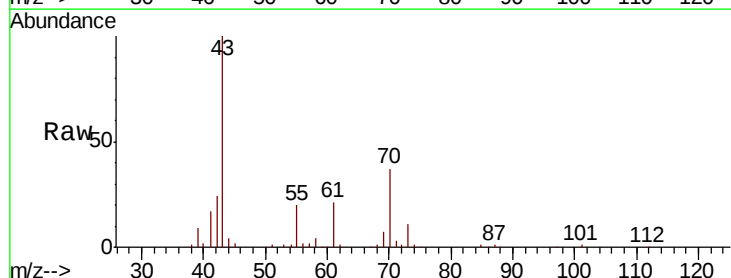
Ion Ratio Lower Upper

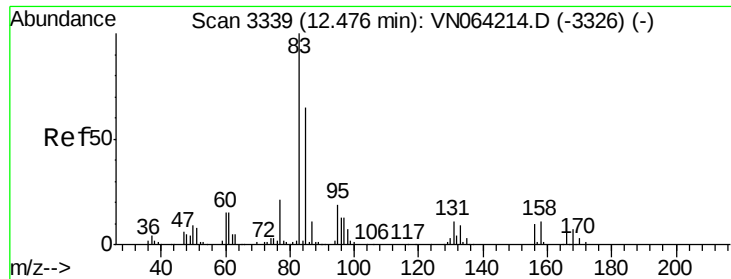
43 100

70 35.9 30.2 45.4

55 20.7 18.0 27.0

61 21.9 17.4 26.2

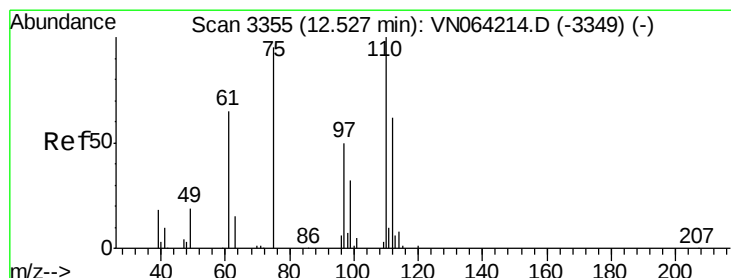
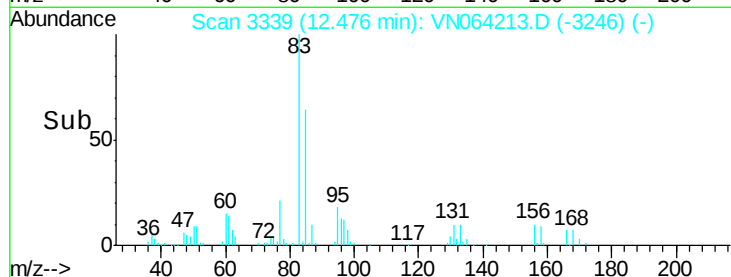
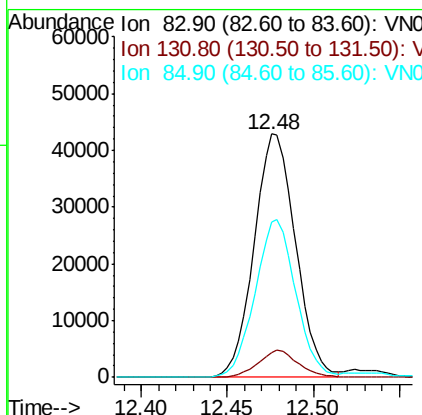
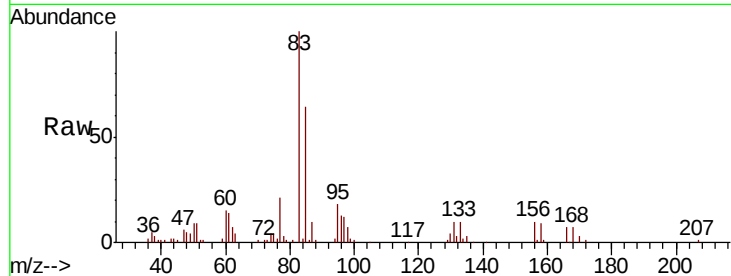




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 15.370 ug/l  
 RT: 12.48 min Scan# 3339  
 Delta R.T. -0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

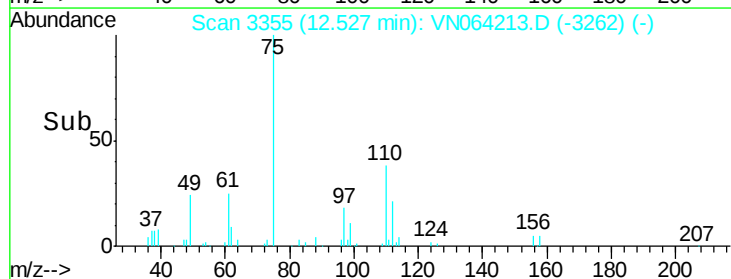
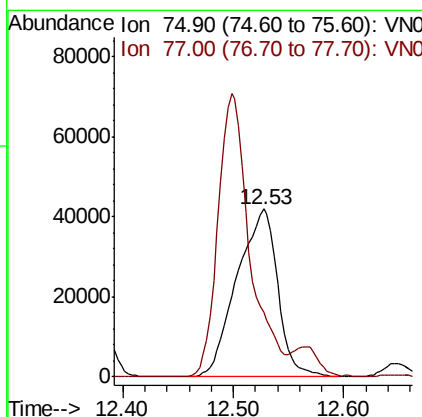
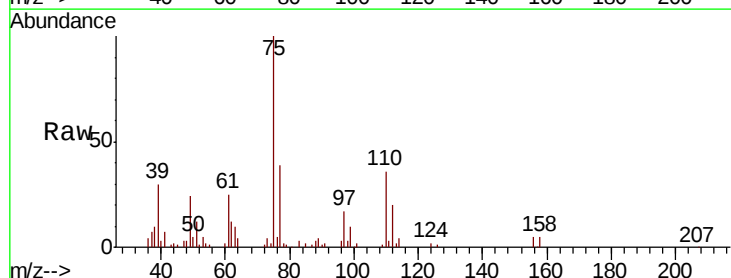
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

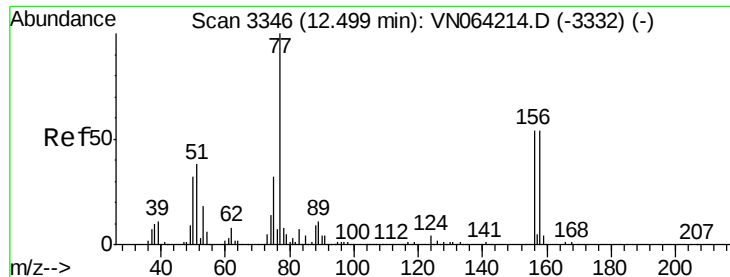
Tot Ion: 83 Resp: 71753  
 Ion Ratio Lower Upper  
 83 100  
 131 10.7 5.5 16.7  
 85 63.3 32.4 97.0



#76  
 1,2,3-Trichloropropane  
 Concen: 23.941 ug/l  
 RT: 12.53 min Scan# 3355  
 Delta R.T. -0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

Tgt Ion: 75 Resp: 108075  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 17.241 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

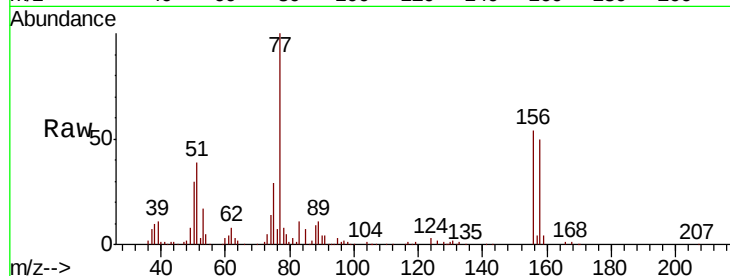
Tot Ion:156 Resp: 64057

Ion Ratio Lower Upper

156 100

77 222.5 111.1 333.4

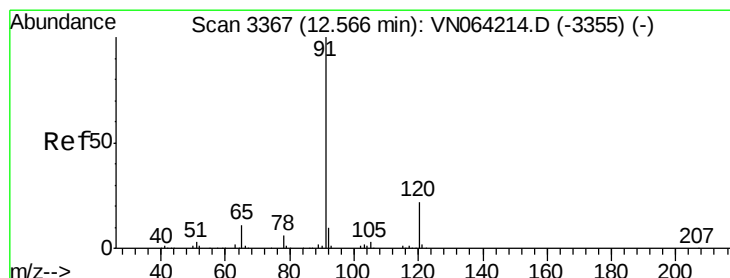
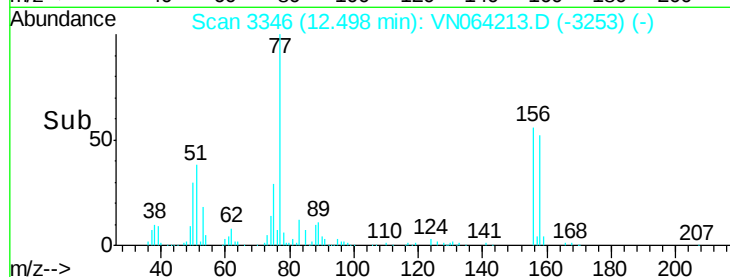
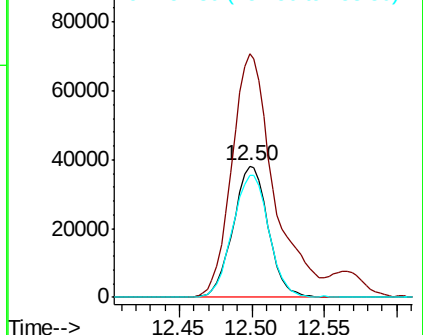
158 95.9 50.0 150.1



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: 19.356 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN064213.D

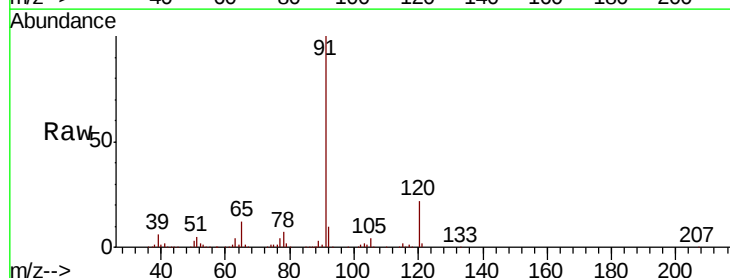
Acq: 21 Oct 2020 11:21

Tgt Ion: 91 Resp: 301629

Ion Ratio Lower Upper

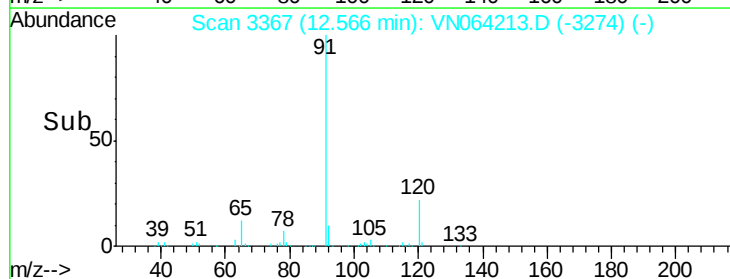
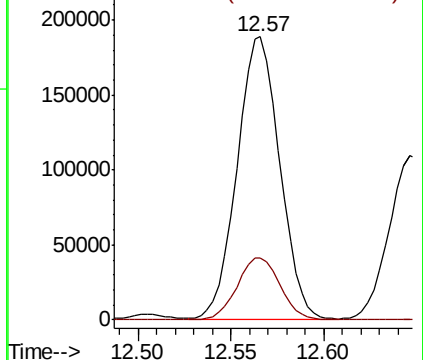
91 100

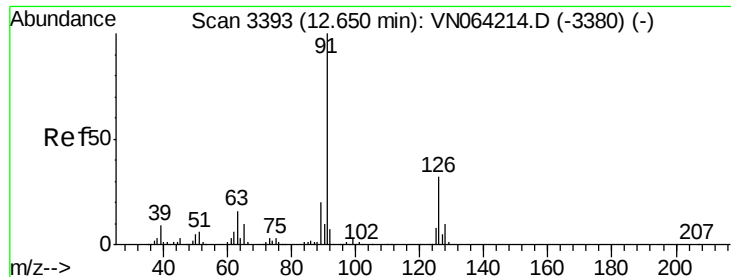
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.794 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA\_N

ClientSampleId :

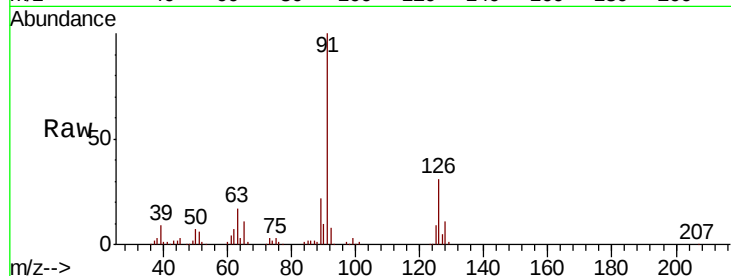
VSTDIC020

Tot Ion: 91 Resp: 186270

Ion Ratio Lower Upper

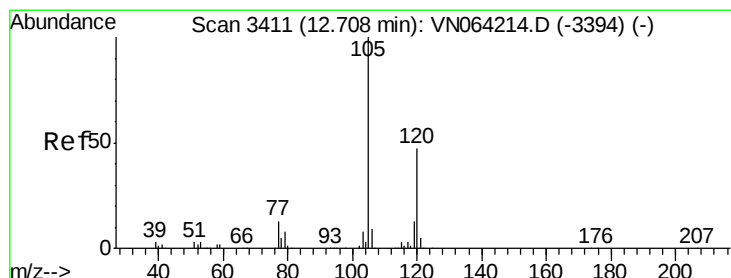
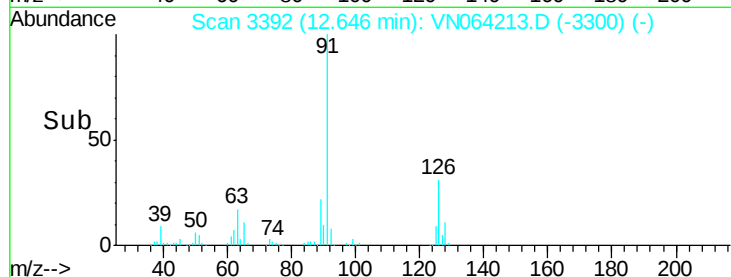
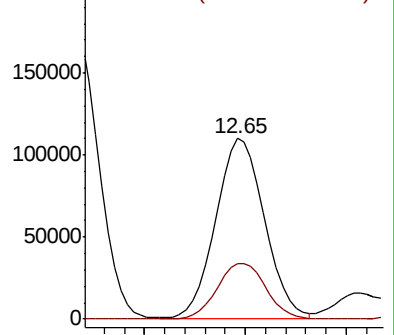
91 100

126 31.2 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VN064213.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN064213.D (-3392) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.954 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064213.D

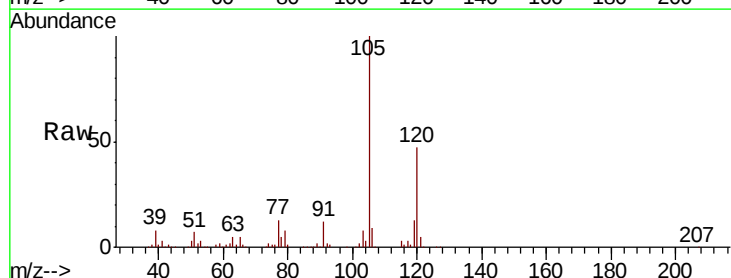
Acq: 21 Oct 2020 11:21

Tgt Ion: 105 Resp: 224265

Ion Ratio Lower Upper

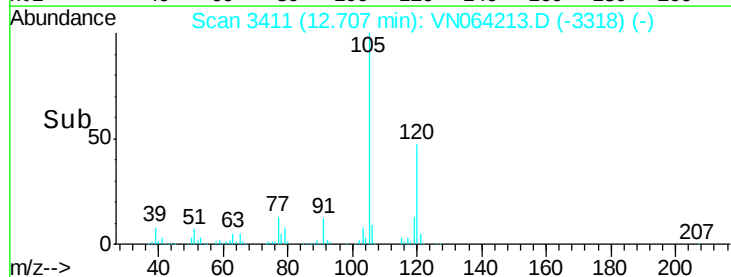
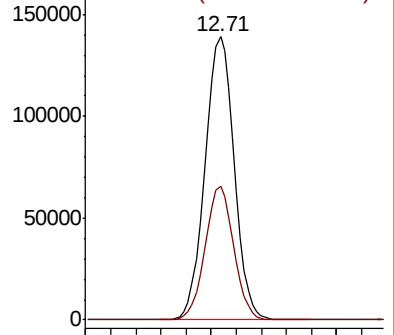
105 100

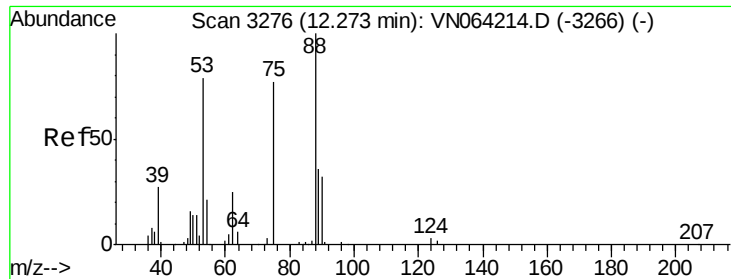
120 46.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN064213.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN064213.D (-3411) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.464 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

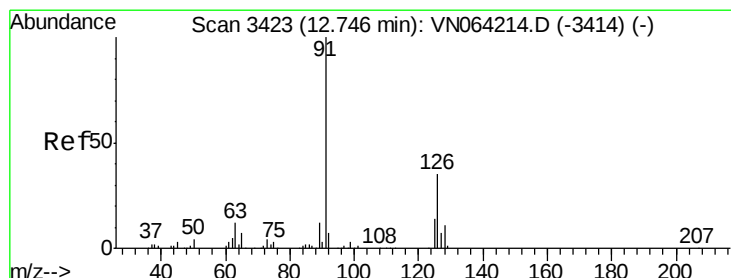
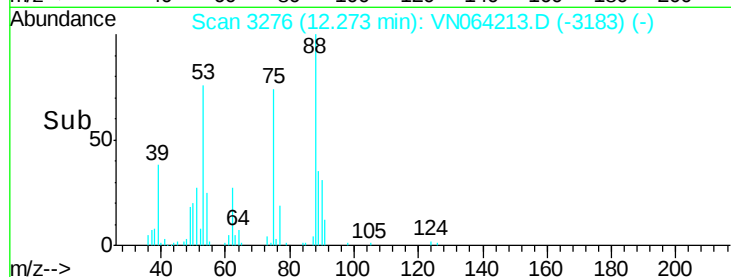
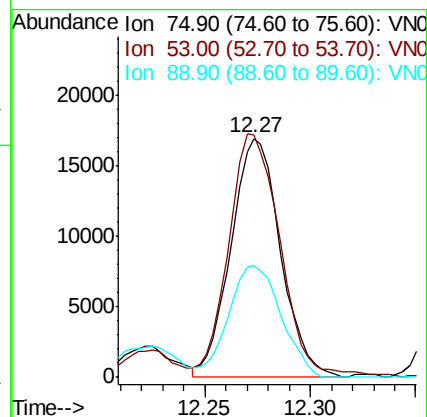
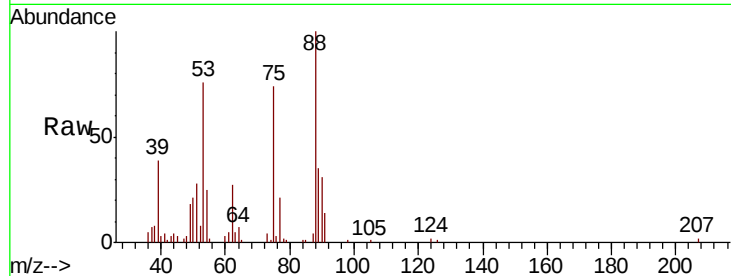
Tot Ion: 75 Resp: 27633

Ion Ratio Lower Upper

75 100

53 107.0 81.0 121.4

89 49.8 38.7 58.1



#82

4-Chlorotoluene

Concen: 19.400 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064213.D

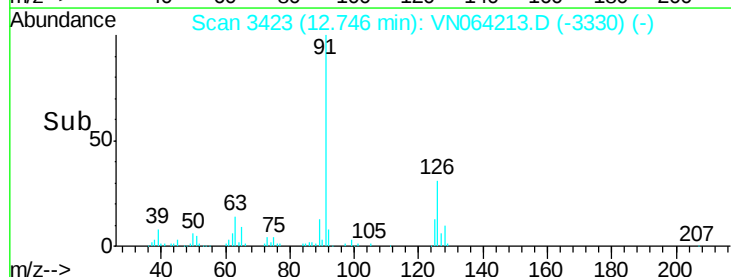
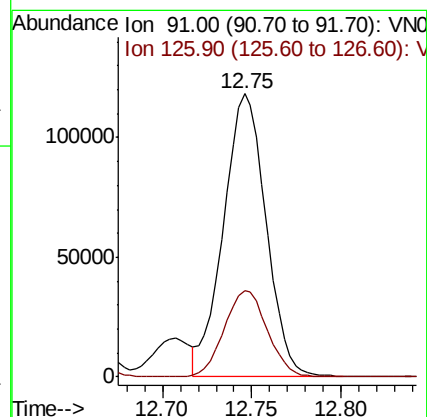
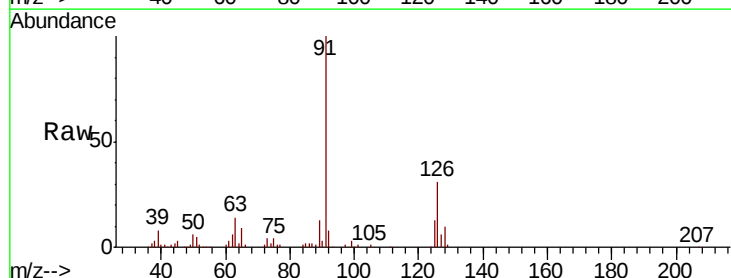
Acq: 21 Oct 2020 11:21

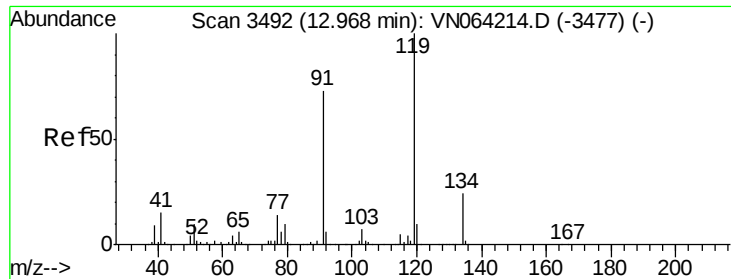
Tgt Ion: 91 Resp: 194359

Ion Ratio Lower Upper

91 100

126 31.2 15.8 47.3

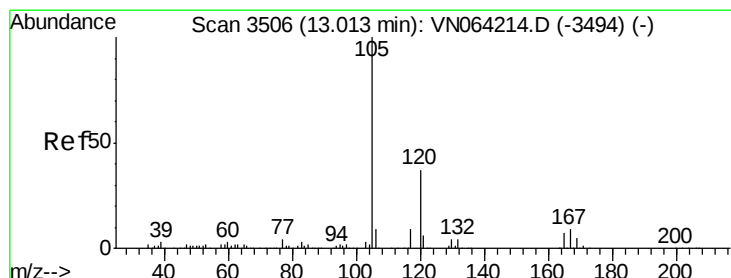
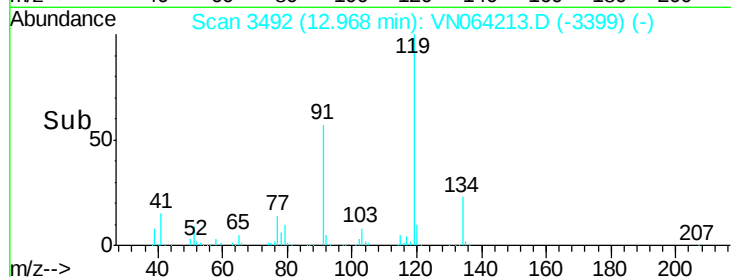
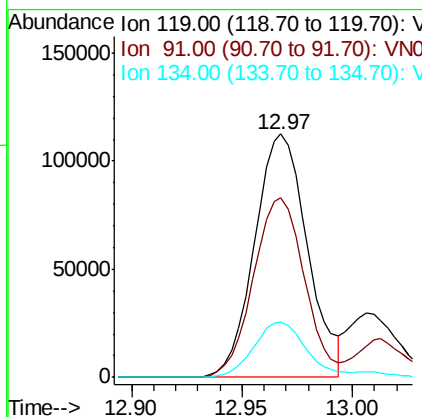
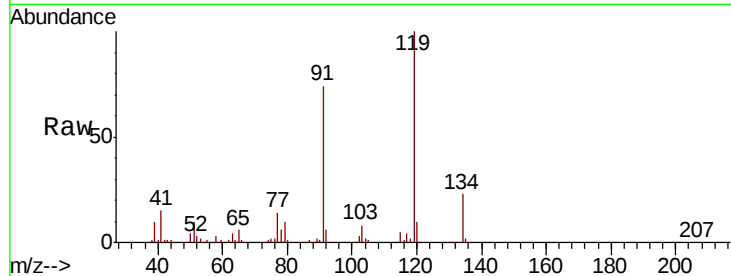




#83  
 tert-Butylbenzene  
 Concen: 20.066 ug/l  
 RT: 12.97 min Scan# 3492  
 Delta R.T. -0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

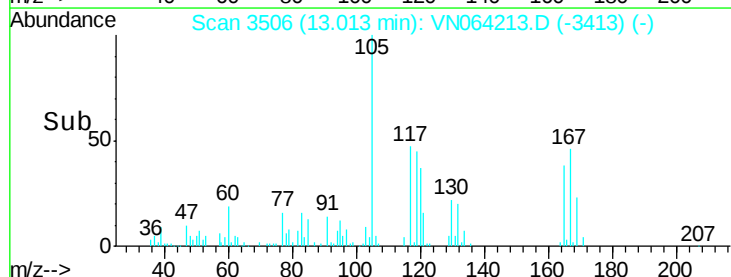
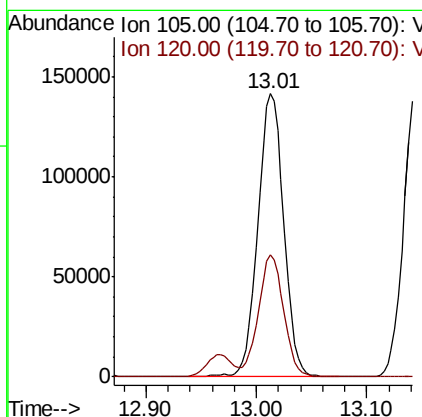
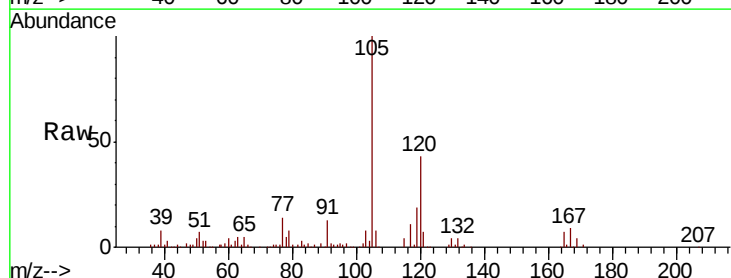
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDIC020

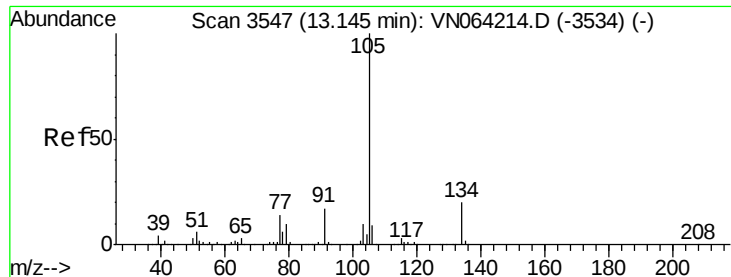
Tot Ion:119 Resp: 186485  
 Ion Ratio Lower Upper  
 119 100  
 91 71.4 35.1 105.3  
 134 22.6 11.6 34.8



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.923 ug/l  
 RT: 13.01 min Scan# 3506  
 Delta R.T. -0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

Tgt Ion:105 Resp: 230719  
 Ion Ratio Lower Upper  
 105 100  
 120 42.1 21.5 64.5





#85

sec-Butylbenzene

Concen: 19.381 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA\_N

ClientSampleId :

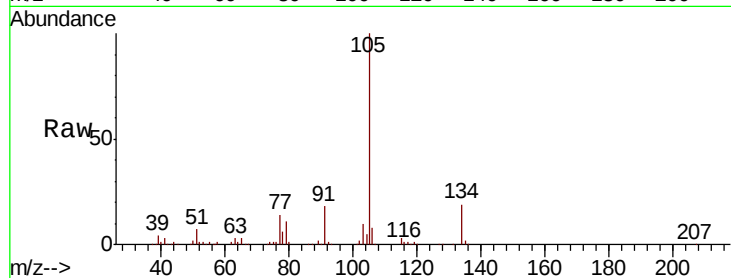
VSTDIC020

Tot Ion:105 Resp: 231045

Ion Ratio Lower Upper

105 100

134 19.3 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.14

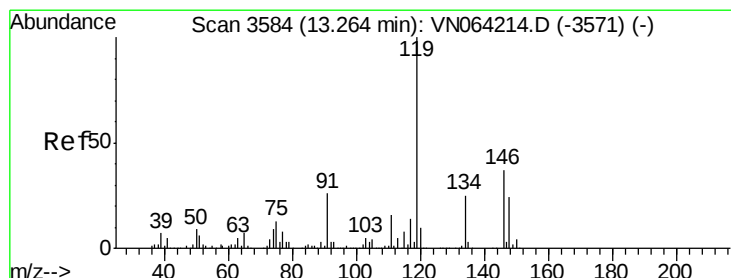
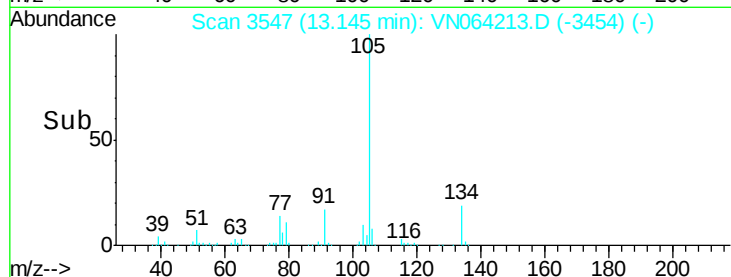
150000

100000

50000

0

Time--> 13.05 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 20.772 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

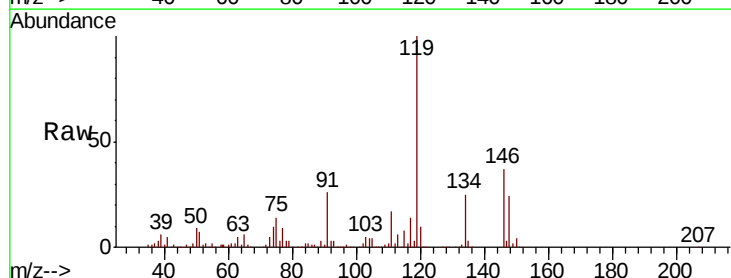
Tgt Ion:119 Resp: 216858

Ion Ratio Lower Upper

119 100

134 25.4 13.1 39.3

91 26.9 13.4 40.2



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

13.26

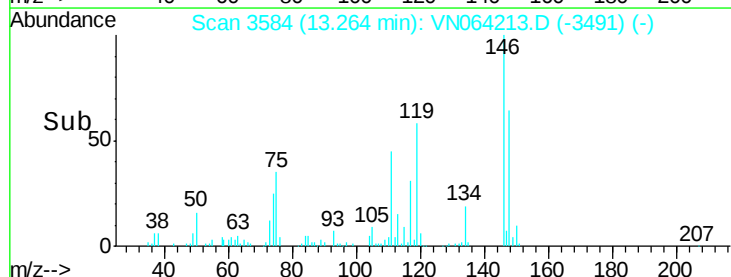
150000

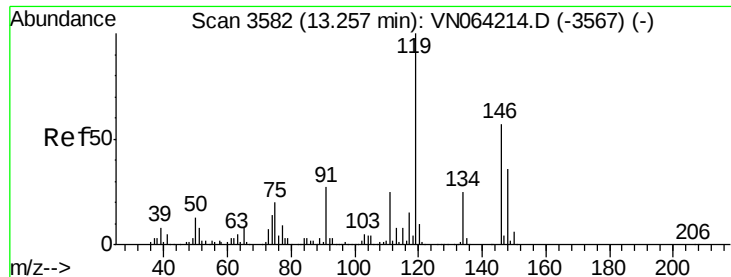
100000

50000

0

Time--> 13.20 13.25 13.30

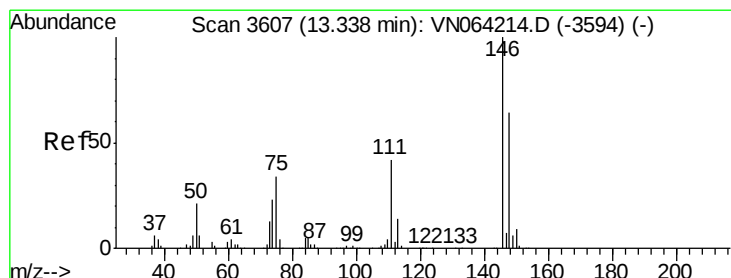
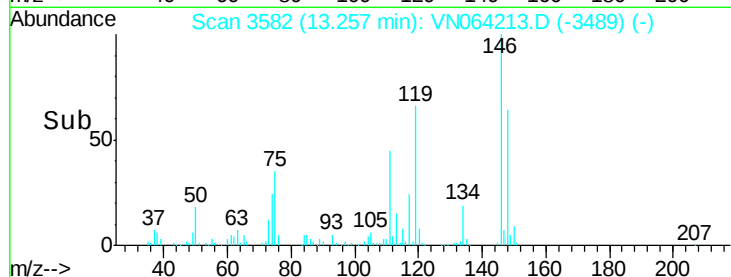
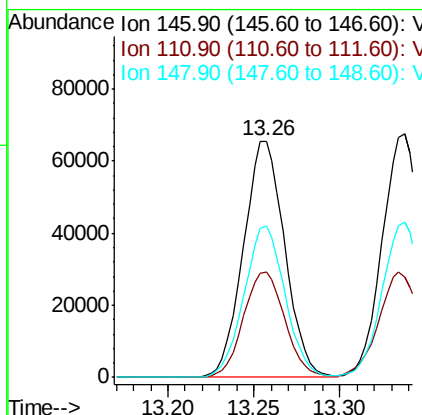
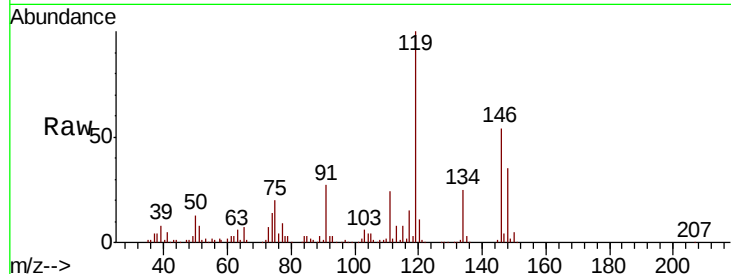




#87  
 1,3-Dichlorobenzene  
 Concen: 17.569 ug/l  
 RT: 13.26 min Scan# 3582  
 Delta R.T. -0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

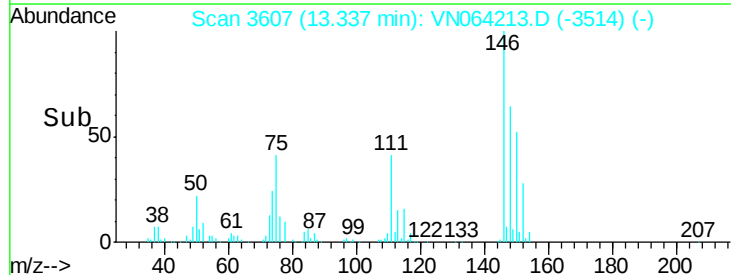
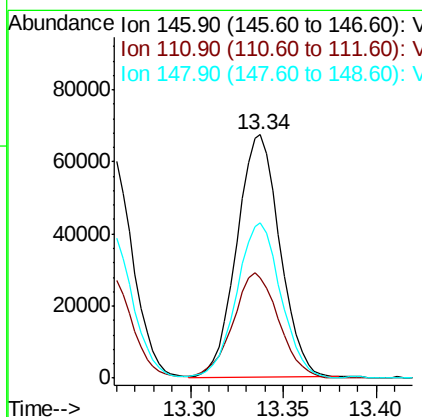
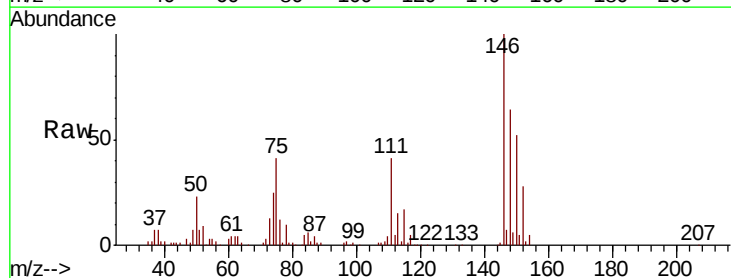
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

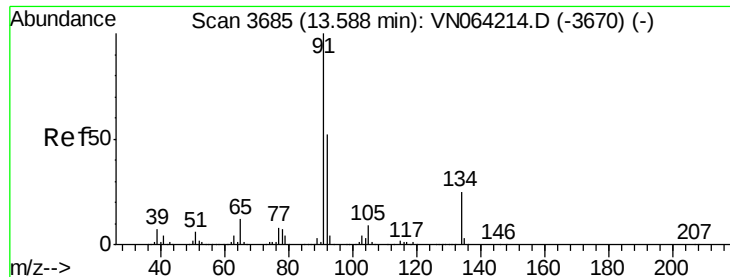
Tot Ion:146 Resp: 109328  
 Ion Ratio Lower Upper  
 146 100  
 111 44.6 21.6 65.0  
 148 63.5 31.7 95.1



#88  
 1,4-Dichlorobenzene  
 Concen: 16.941 ug/l  
 RT: 13.34 min Scan# 3607  
 Delta R.T. -0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

Tgt Ion:146 Resp: 108046  
 Ion Ratio Lower Upper  
 146 100  
 111 46.8 21.5 64.5  
 148 65.1 32.0 96.0

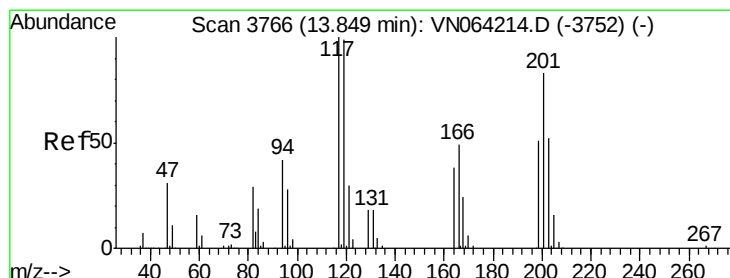
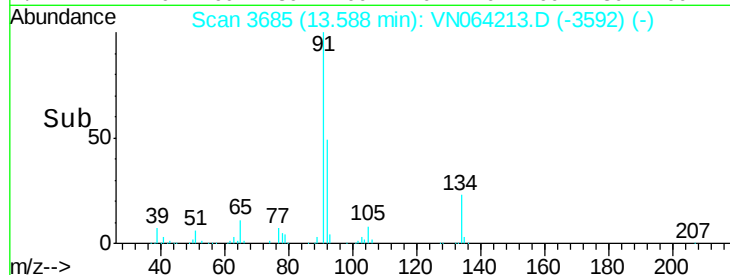
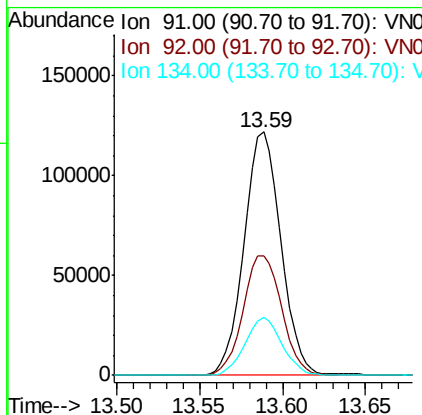
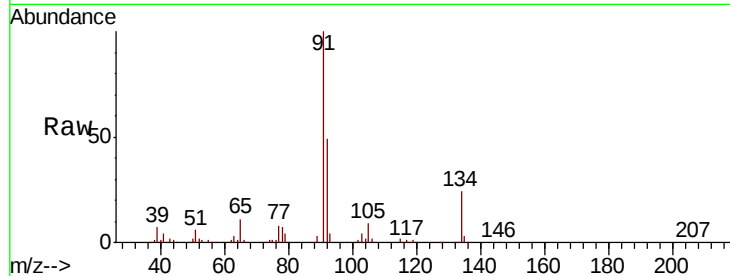




#89  
n-Butylbenzene  
Concen: 21.278 ug/l  
RT: 13.59 min Scan# 3685  
Delta R.T. -0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

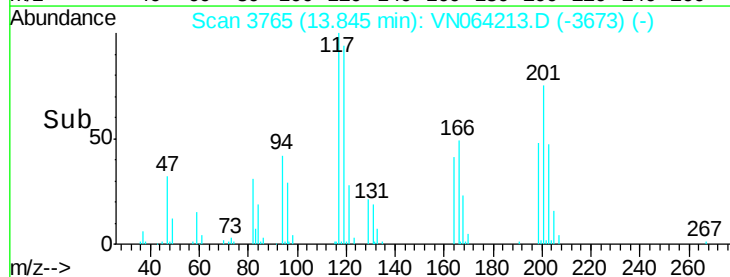
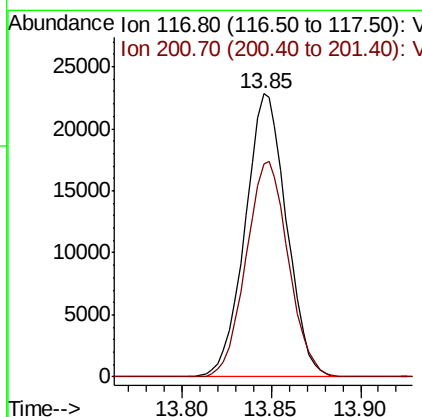
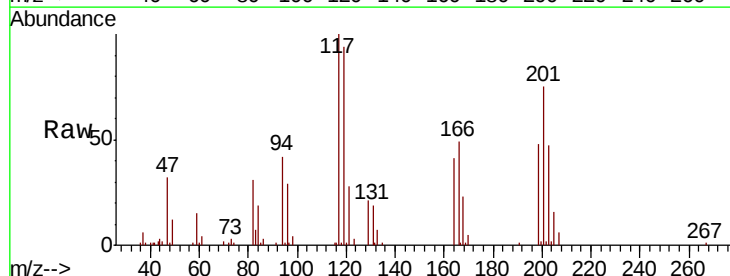
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

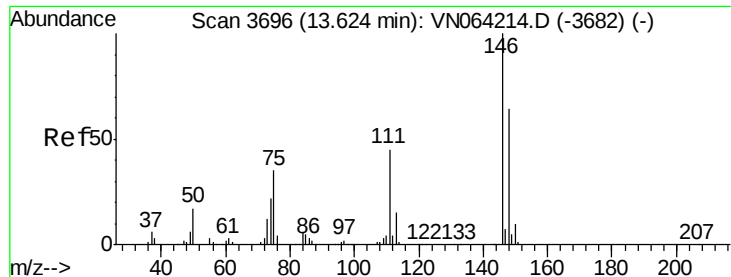
Tot Ion: 91 Resp: 188996  
Ion Ratio Lower Upper  
91 100  
92 51.3 25.7 77.0  
134 24.0 12.3 36.8



#90  
Hexachloroethane  
Concen: 18.584 ug/l  
RT: 13.85 min Scan# 3765  
Delta R.T. -0.00 min  
Lab File: VN064213.D  
Acq: 21 Oct 2020 11:21

Tgt Ion: 117 Resp: 37114  
Ion Ratio Lower Upper  
117 100  
201 77.6 40.1 120.3

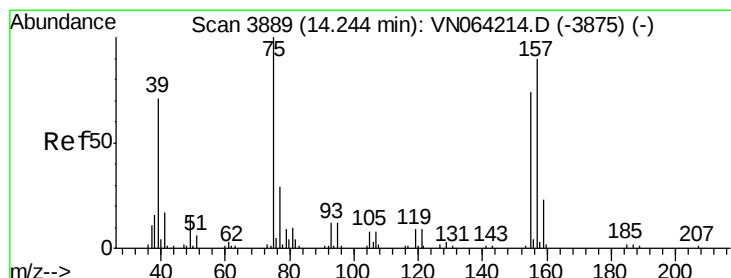
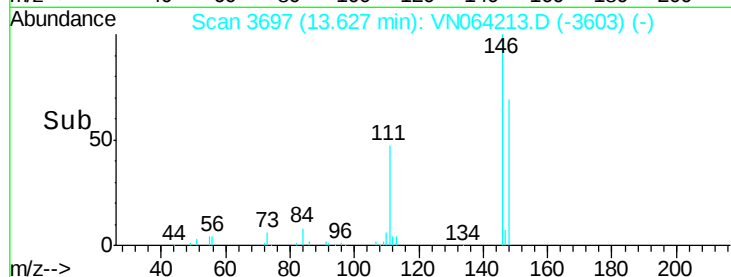
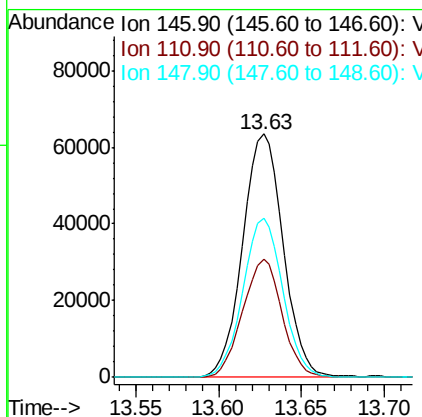
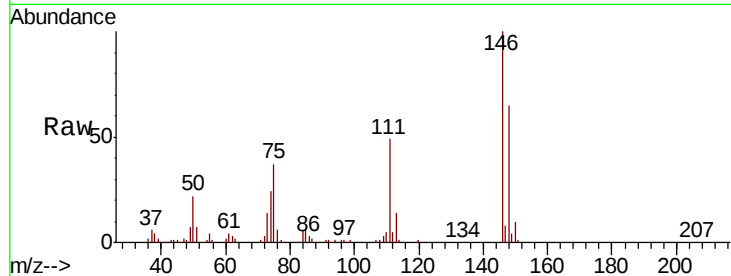




#91  
 1,2-Dichlorobenzene  
 Concen: 17.469 ug/l  
 RT: 13.63 min Scan# 3697  
 Delta R.T. 0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

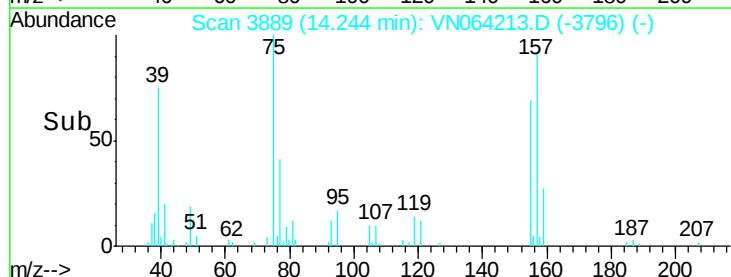
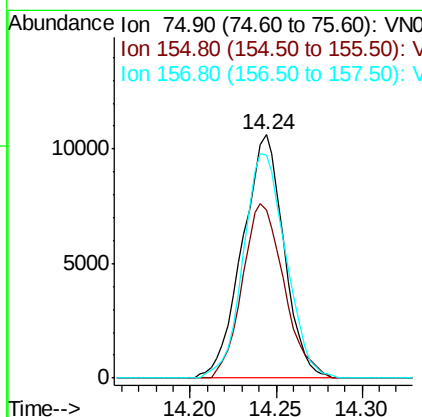
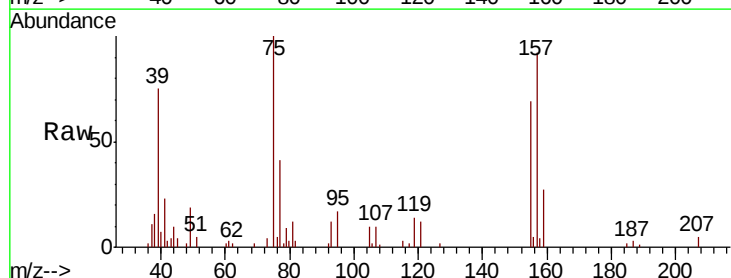
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

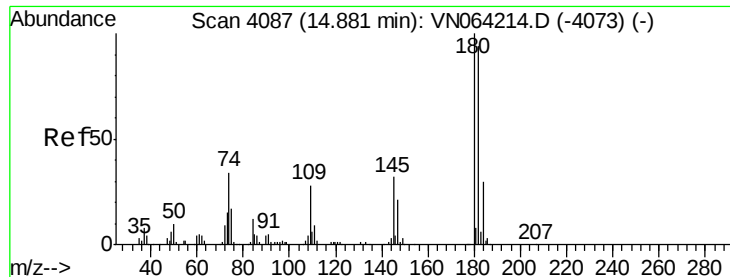
Tot Ion:146 Resp: 107890  
 Ion Ratio Lower Upper  
 146 100  
 111 47.1 22.9 68.7  
 148 64.6 31.9 95.5



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.045 ug/l  
 RT: 14.24 min Scan# 3889  
 Delta R.T. -0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

Tgt Ion: 75 Resp: 17844  
 Ion Ratio Lower Upper  
 75 100  
 155 71.7 36.9 110.7  
 157 94.2 44.6 133.8

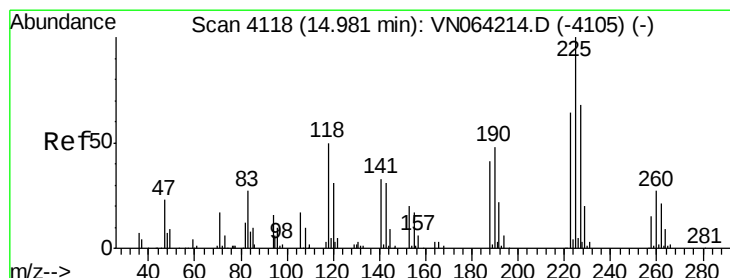
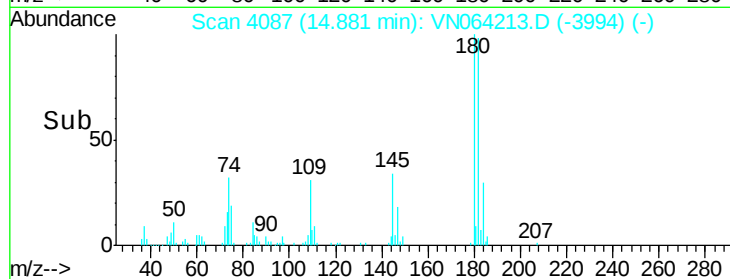
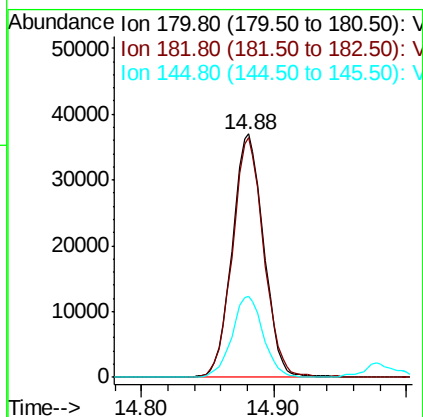
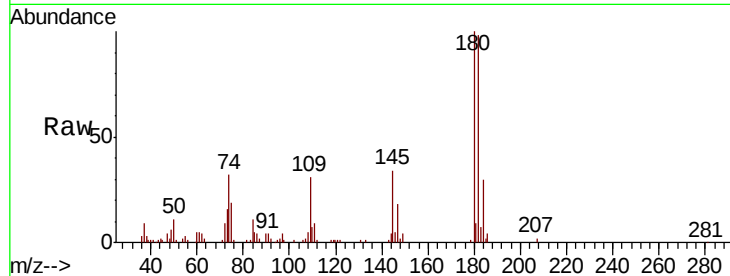




#93  
 1,2,4-Trichlorobenzene  
 Concen: 23.086 ug/l  
 RT: 14.88 min Scan# 4087  
 Delta R.T. -0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

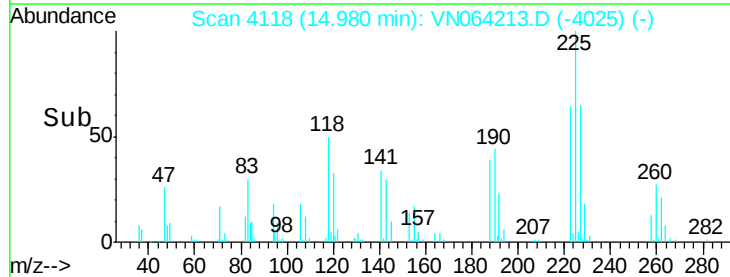
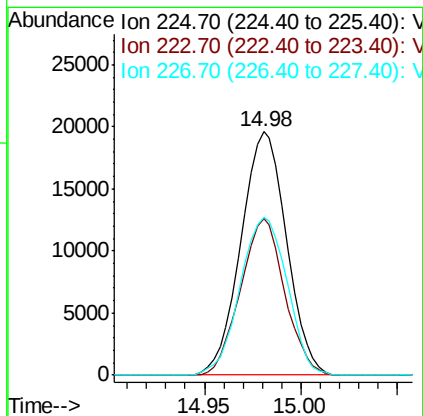
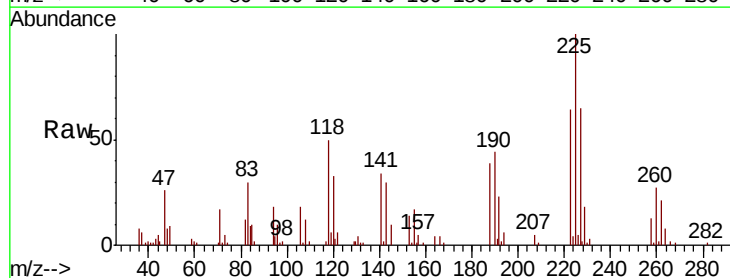
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

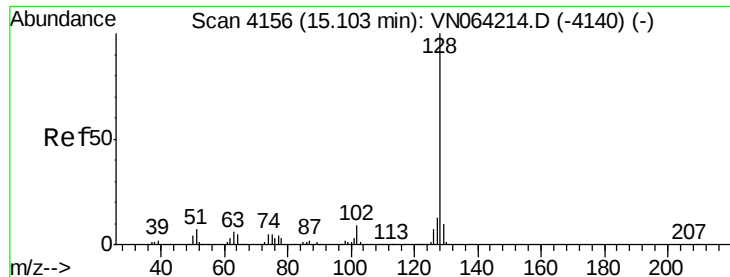
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.9  | 46.9  | 140.7 |
| 145     | 33.0  | 16.1  | 48.3  |



#94  
 Hexachlorobutadiene  
 Concen: 20.805 ug/l  
 RT: 14.98 min Scan# 4118  
 Delta R.T. -0.00 min  
 Lab File: VN064213.D  
 Acq: 21 Oct 2020 11:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.2  | 31.5  | 94.5  |
| 227     | 66.7  | 32.1  | 96.5  |





#95

Naphthalene

Concen: 24.205 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

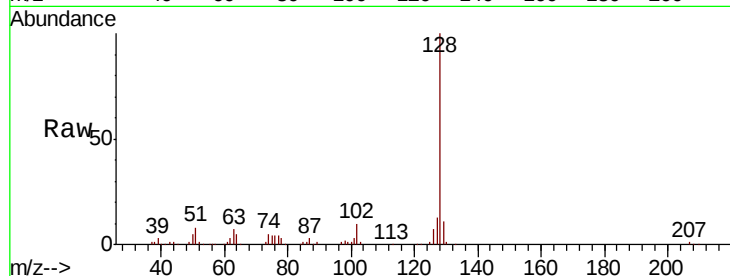
Tot Ion:128 Resp: 190131

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

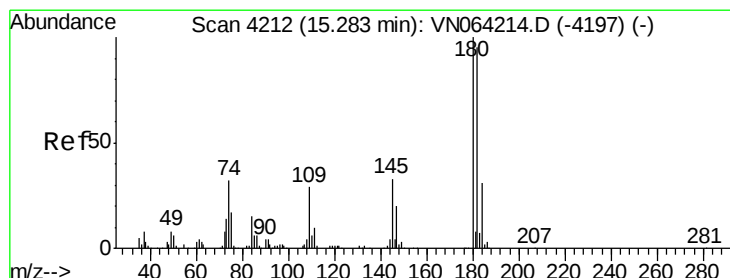
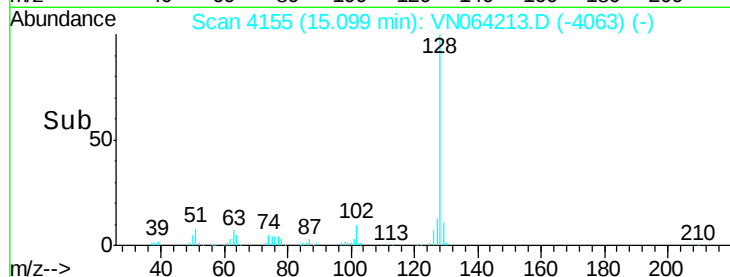
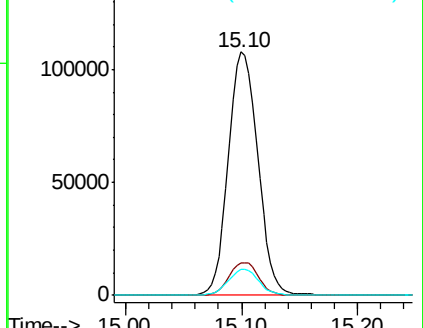
129 11.0 8.6 12.8



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: 22.802 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN064213.D

Acq: 21 Oct 2020 11:21

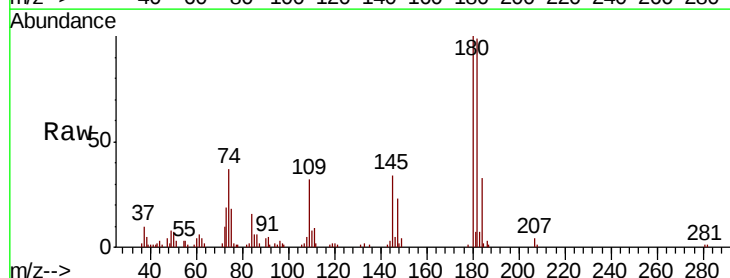
Tgt Ion:180 Resp: 59585

Ion Ratio Lower Upper

180 100

182 96.3 48.0 144.2

145 32.9 17.1 51.3



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

