

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121719\  
 Data File : VN059619.D  
 Acq On : 17 Dec 2019 12:38  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Dec 18 05:45:07 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 13 23:17:39 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 240109   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.56  | 114  | 384046   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 355345   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 173799   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 149628   | 42.82 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 85.64% |          |
| 35) Dibromofluoromethane    | 7.56  | 113  | 105669   | 43.98 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 87.96% |          |
| 50) Toluene-d8              | 10.08 | 98   | 424648   | 44.64 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 89.28% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 154499   | 44.51 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 89.02% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85   | 176913   | 57.019  | ug/l  | 99     |
| 3) Chloromethane              | 2.04 | 50   | 268838   | 54.601  | ug/l  | 99     |
| 4) Vinyl Chloride             | 2.17 | 62   | 249057   | 53.341  | ug/l  | 98     |
| 5) Bromomethane               | 2.54 | 94   | 148549   | 54.727  | ug/l  | 100    |
| 6) Chloroethane               | 2.68 | 64   | 146029   | 55.648  | ug/l  | 98     |
| 7) Trichlorofluoromethane     | 3.00 | 101  | 286808   | 55.985  | ug/l  | 100    |
| 8) Diethyl Ether              | 3.38 | 74   | 88350    | 55.196  | ug/l  | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.73 | 101  | 138409   | 53.612  | ug/l  | 99     |
| 10) Methyl Iodide             | 3.92 | 142  | 185487   | 54.272  | ug/l  | 100    |
| 11) Tert butyl alcohol        | 4.74 | 59   | 168910   | 263.694 | ug/l  | 100    |
| 12) 1,1-Dichloroethene        | 3.71 | 96   | 132565   | 52.638  | ug/l  | 97     |
| 13) Acrolein                  | 3.58 | 56   | 79716    | 174.706 | ug/l  | 99     |
| 14) Allyl chloride            | 4.29 | 41   | 271806   | 52.574  | ug/l  | 100    |
| 15) Acrylonitrile             | 4.95 | 53   | 433256   | 279.626 | ug/l  | 100    |
| 16) Acetone                   | 3.78 | 43   | 514976   | 248.255 | ug/l  | 99     |
| 17) Carbon Disulfide          | 4.02 | 76   | 419969   | 48.694  | ug/l  | 99     |
| 18) Methyl Acetate            | 4.29 | 43   | 226374   | 52.079  | ug/l  | 100    |
| 19) Methyl tert-butyl Ether   | 5.00 | 73   | 492268   | 55.360  | ug/l  | 98     |
| 20) Methylene Chloride        | 4.52 | 84   | 162359   | 54.194  | ug/l  | 98     |
| 21) trans-1,2-Dichloroethene  | 5.00 | 96   | 151711   | 54.037  | ug/l  | 99     |
| 22) Diisopropyl ether         | 5.92 | 45   | 546142   | 57.300  | ug/l  | 100    |
| 23) Vinyl Acetate             | 5.86 | 43   | 2366477  | 316.380 | ug/l  | 100    |
| 24) 1,1-Dichloroethane        | 5.82 | 63   | 302213   | 55.974  | ug/l  | 100    |
| 25) 2-Butanone                | 6.80 | 43   | 671868   | 270.853 | ug/l  | 100    |
| 26) 2,2-Dichloropropane       | 6.79 | 77   | 275142   | 56.071  | ug/l  | 99     |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96   | 175735   | 56.488  | ug/l  | 99     |
| 28) Bromochloromethane        | 7.17 | 49   | 111862   | 49.312  | ug/l  | 99     |
| 29) Tetrahydrofuran           | 7.18 | 42   | 413593   | 273.655 | ug/l  | 100    |
| 30) Chloroform                | 7.34 | 83   | 298041   | 56.081  | ug/l  | 98     |
| 31) Cyclohexane               | 7.63 | 56   | 270817   | 53.085  | ug/l  | 99     |
| 32) 1,1,1-Trichloroethane     | 7.54 | 97   | 259029   | 54.063  | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 7.77 | 75   | 229798   | 57.377  | ug/l  | 99     |
| 37) Ethyl Acetate             | 6.90 | 43   | 260697   | 56.005  | ug/l  | 100    |
| 38) Carbon Tetrachloride      | 7.75 | 117  | 231237   | 55.640  | ug/l  | 99     |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Dec 18 05:45:07 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 13 23:17:39 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.06  | 83   | 262258   | 57.729   | ug/l   | 98       |
| 40) Benzene                    | 8.02  | 78   | 657435   | 56.170   | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.14  | 41   | 92671    | 48.239   | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 255023   | 56.896   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.14  | 43   | 414047   | 57.211   | ug/l   | 100      |
| 44) Trichloroethene            | 8.81  | 130  | 170227   | 55.526   | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 180382   | 57.072   | ug/l   | 97       |
| 46) Dibromomethane             | 9.19  | 93   | 117100   | 56.552   | ug/l   | 100      |
| 47) Bromodichloromethane       | 9.39  | 83   | 240688   | 58.301   | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.18  | 41   | 188733   | 57.480   | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 56918    | 1209.623 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 1285155  | 297.837  | ug/l   | 100      |
| 52) Toluene                    | 10.14 | 92   | 404542   | 56.253   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 276616   | 57.935   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 293586   | 58.497   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 161470   | 57.219   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 253089   | 60.413   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 286002   | 58.208   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 468226   | 351.422  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.74 | 43   | 1003006  | 294.936  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.89 | 129  | 181086   | 58.795   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 169601   | 56.669   | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.62 | 164  | 159462   | 48.139   | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 430846   | 56.036   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 161984   | 55.465   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 795119   | 57.291   | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 592458   | 115.603  | ug/l   | 99       |
| 69) o-Xylene                   | 11.94 | 106  | 281593   | 57.746   | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 463390   | 59.145   | ug/l   | 100      |
| 71) Bromoform                  | 12.12 | 173  | 130258   | 59.335   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 757262   | 55.504   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 357844   | 57.180   | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 237298   | 54.831   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 349901   | 81.325   | ug/l # | 100      |
| 77) Bromobenzene               | 12.52 | 156  | 182438   | 54.375   | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 913714   | 56.656   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 529458   | 54.292   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 650282   | 56.323   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 95951    | 55.082   | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 561612   | 56.246   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 541558   | 55.388   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 652684   | 56.852   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 743378   | 57.156   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 675507   | 57.345   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 332551   | 53.901   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 326900   | 52.553   | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.61 | 91   | 626847   | 56.759   | ug/l   | 100      |
| 90) Hexachloroethane           | 13.87 | 117  | 125666   | 56.438   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 324885   | 53.395   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 58744    | 50.059   | ug/l   | 96       |

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Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 2 Sample Multiplier: 1

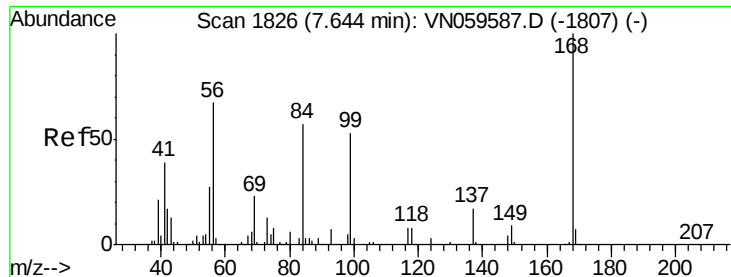
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Quant Time: Dec 18 05:45:07 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121319W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 13 23:17:39 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 205711   | 52.357 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 103961   | 50.776 | ug/l  | 99       |
| 95) Naphthalene            | 15.12 | 128  | 598890   | 51.059 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.29 | 180  | 198020   | 49.831 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

Instrument :

MSVOA\_N

ClientSampleId :

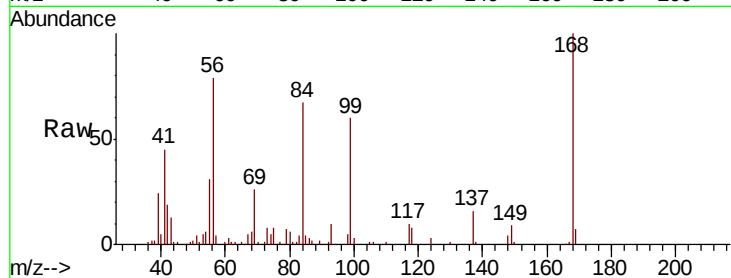
VSTDCCC050

Tot Ion:168 Resp: 240109

Ion Ratio Lower Upper

168 100

99 59.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059587.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059587.D (-1807) (-)

7.64

100000

80000

60000

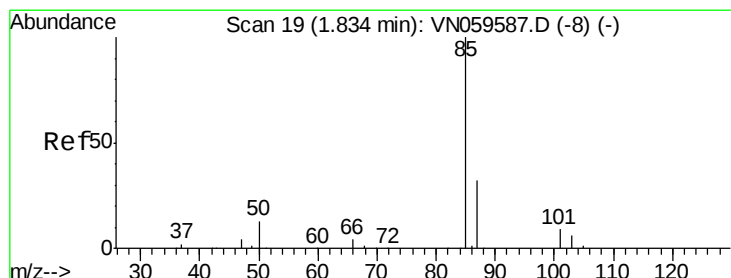
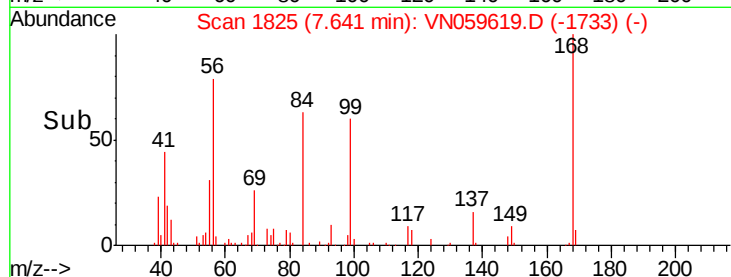
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 57.019 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059619.D

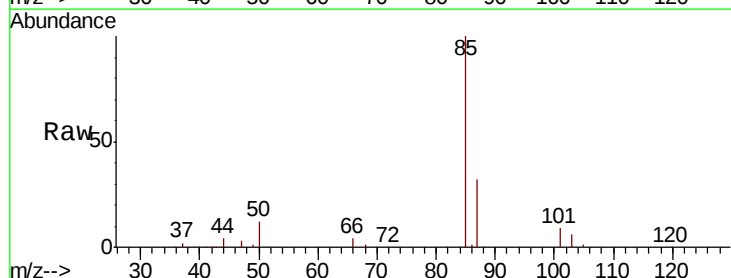
Acq: 17 Dec 2019 12:38

Tgt Ion: 85 Resp: 176913

Ion Ratio Lower Upper

85 100

87 32.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN059587.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN059587.D (-8) (-)

1.83

150000

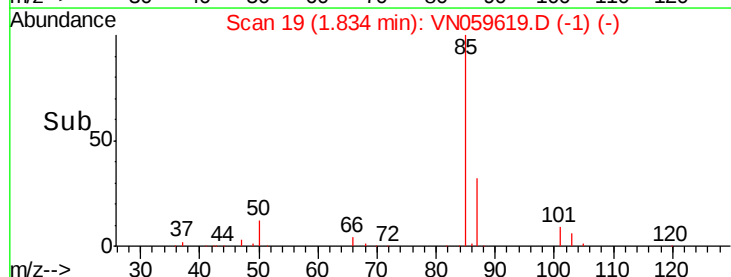
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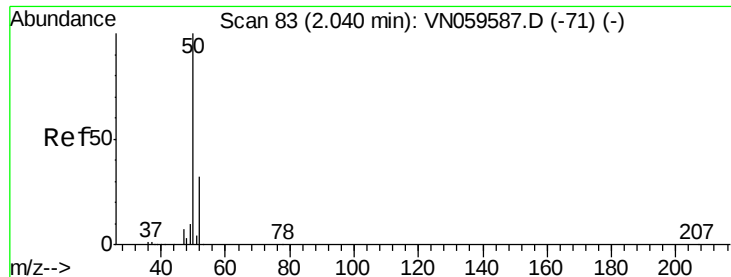
50000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 54.601 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

Instrument :

MSVOA\_N

ClientSampleId :

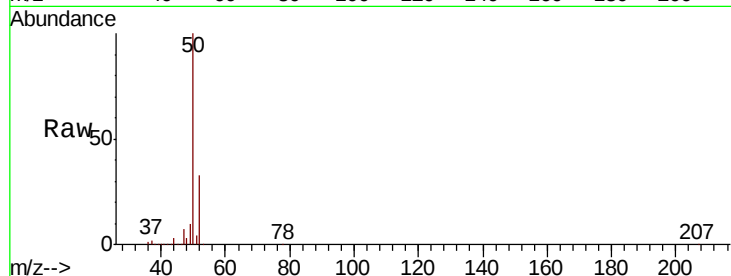
VSTDCCC050

Tot Ion: 50 Resp: 268838

Ion Ratio Lower Upper

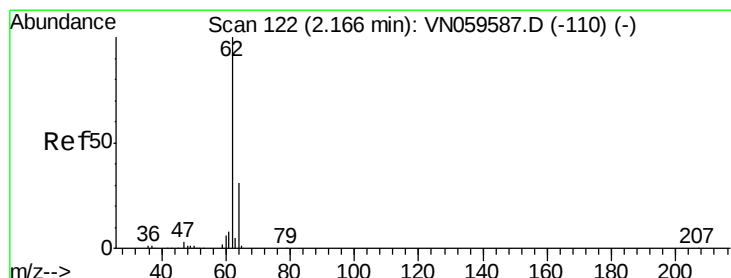
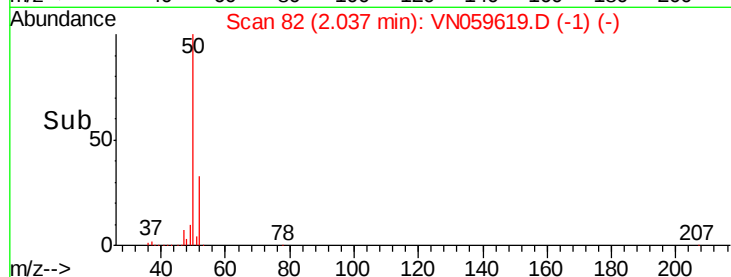
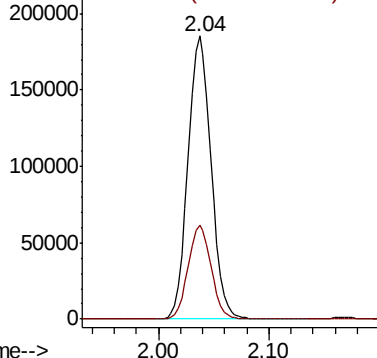
50 100

52 33.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 53.341 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059619.D

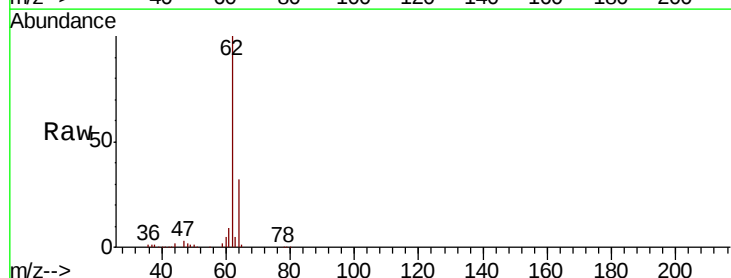
Acq: 17 Dec 2019 12:38

Tgt Ion: 62 Resp: 249057

Ion Ratio Lower Upper

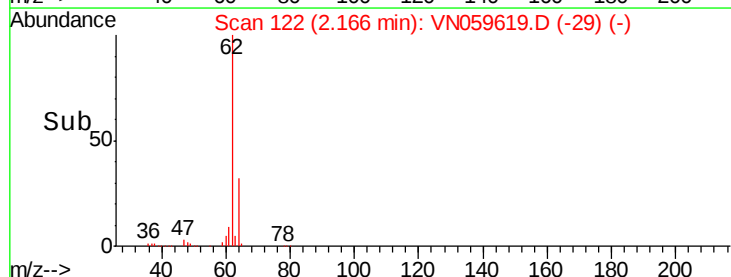
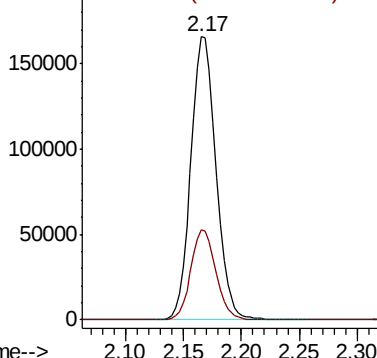
62 100

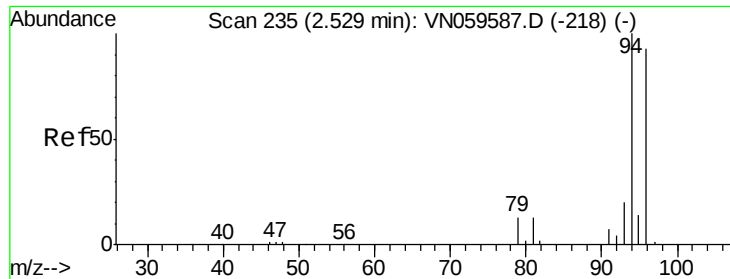
64 32.0 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

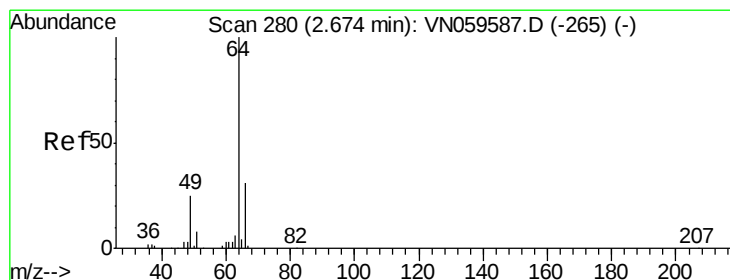
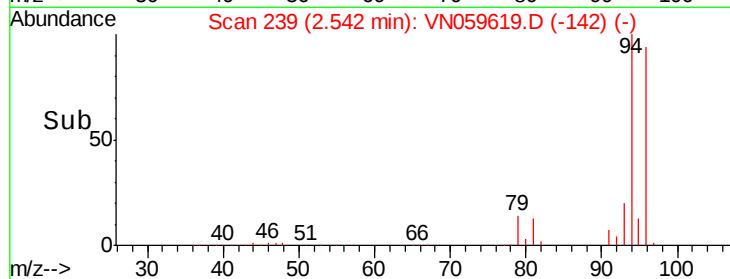
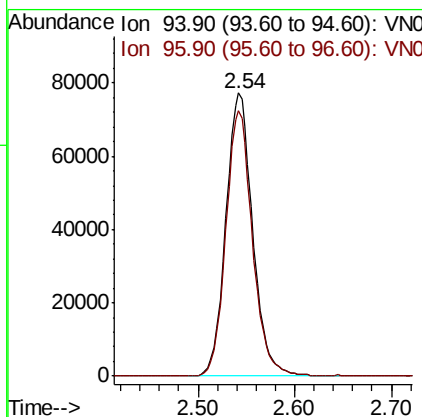
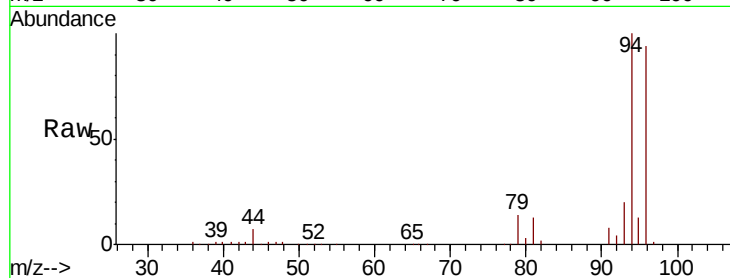




#5  
Bromomethane  
Concen: 54.727 ug/l  
RT: 2.54 min Scan# 239  
Delta R.T. 0.01 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

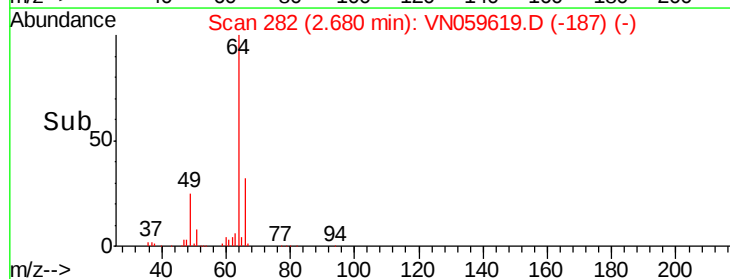
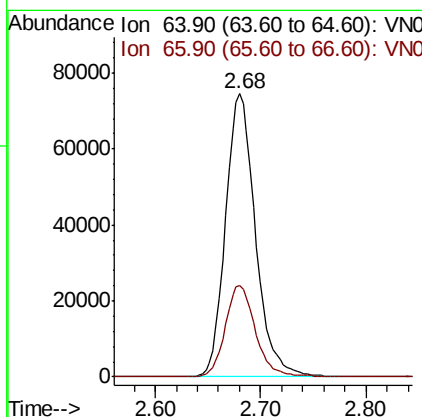
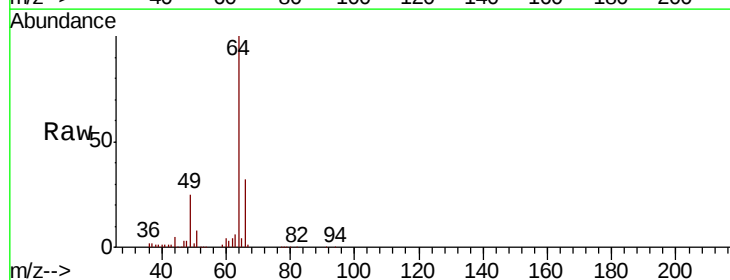
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

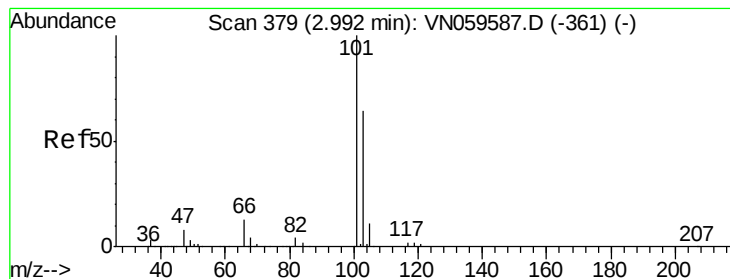
Tot Ion: 94 Resp: 148549  
Ion Ratio Lower Upper  
94 100  
96 93.8 74.7 112.1



#6  
Chloroethane  
Concen: 55.648 ug/l  
RT: 2.68 min Scan# 282  
Delta R.T. 0.01 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

Tgt Ion: 64 Resp: 146029  
Ion Ratio Lower Upper  
64 100  
66 32.5 25.1 37.7



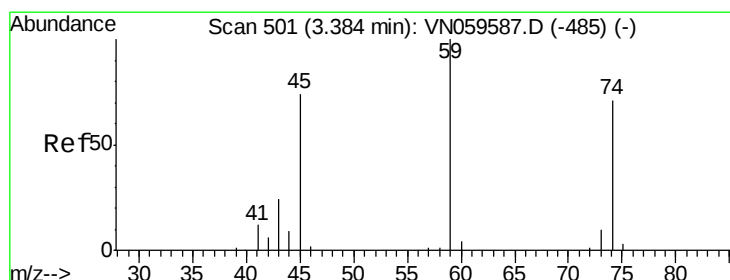
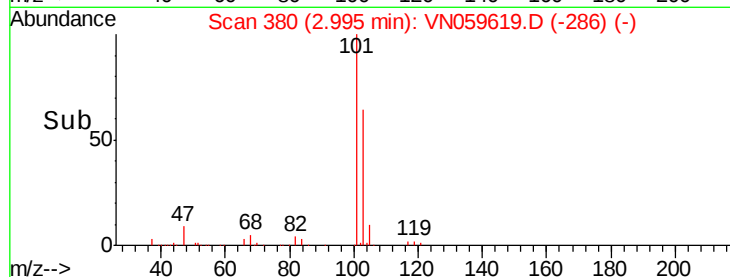
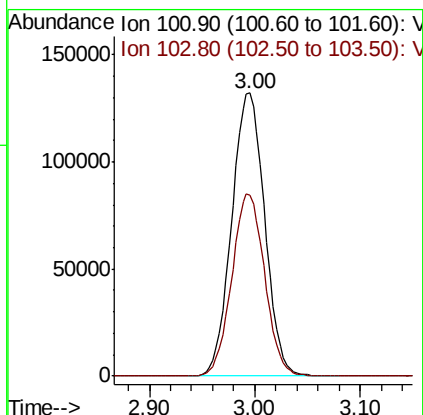
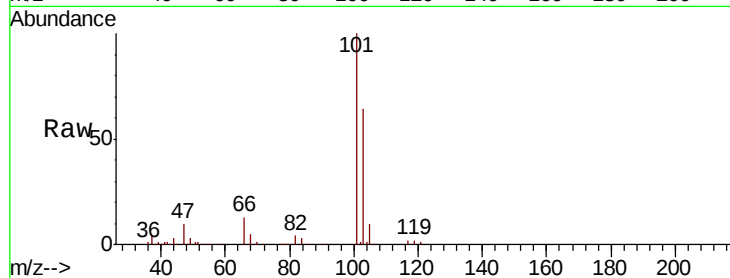


#7

Trichlorofluoromethane  
Concen: 55.985 ug/l  
RT: 3.00 min Scan# 380  
Delta R.T. 0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

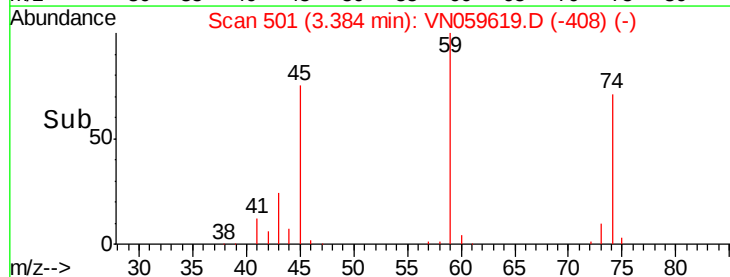
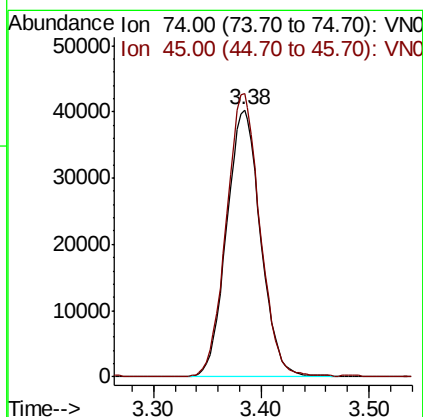
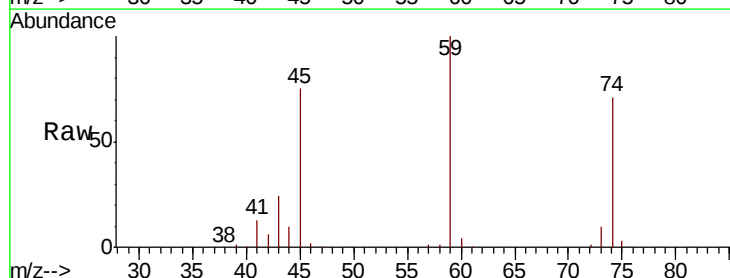
Tot Ion:101 Resp: 286808  
Ion Ratio Lower Upper  
101 100  
103 64.0 51.0 76.6

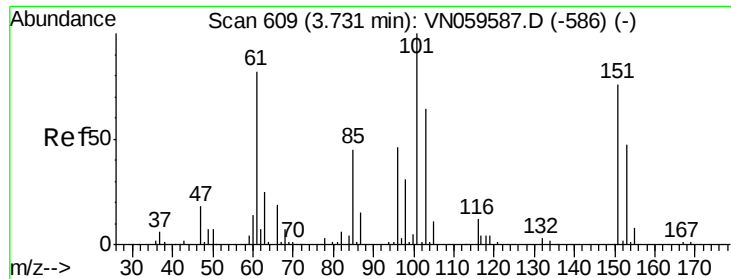


#8

Diethyl Ether  
Concen: 55.196 ug/l  
RT: 3.38 min Scan# 501  
Delta R.T. 0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

Tgt Ion: 74 Resp: 88350  
Ion Ratio Lower Upper  
74 100  
45 105.5 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.612 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

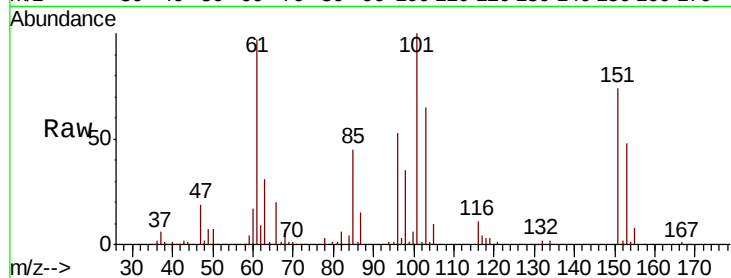
Tot Ion:101 Resp: 138409

Ion Ratio Lower Upper

101 100

85 45.9 36.6 54.8

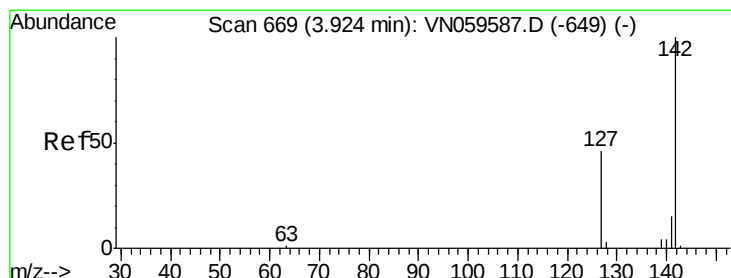
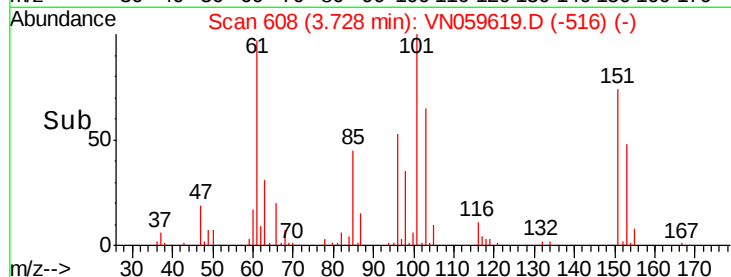
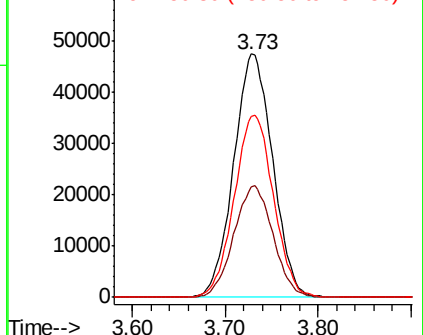
151 75.3 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.272 ug/l

RT: 3.92 min Scan# 668

Delta R.T. -0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

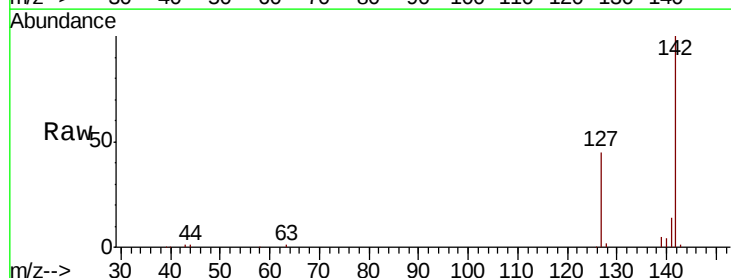
Tgt Ion:142 Resp: 185487

Ion Ratio Lower Upper

142 100

127 45.9 36.7 55.1

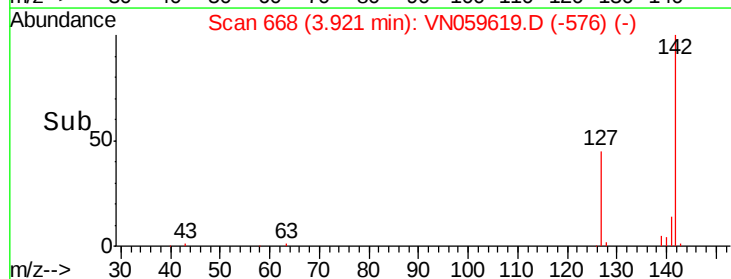
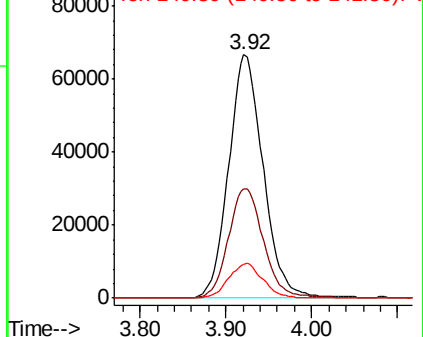
141 14.0 11.7 17.5

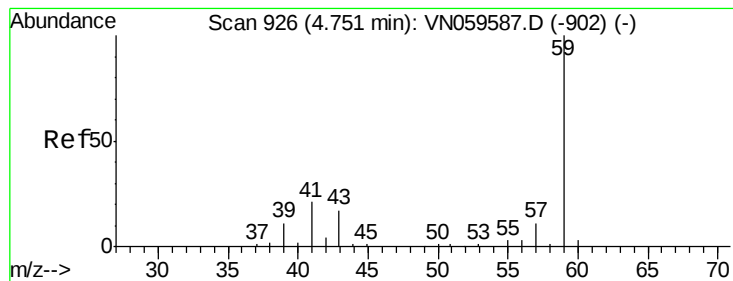


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



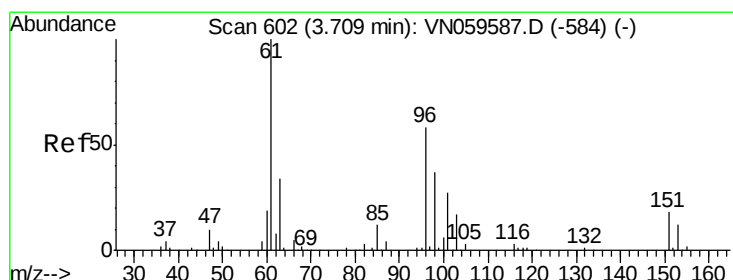
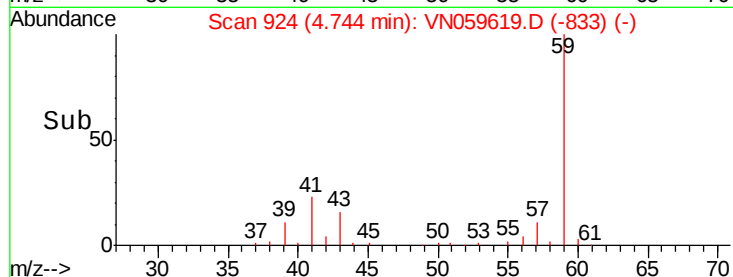
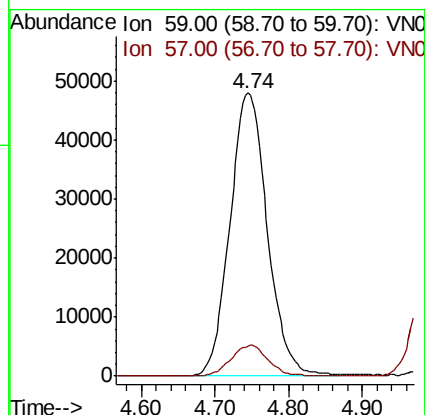
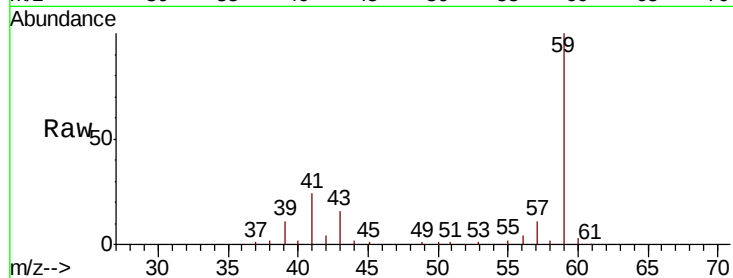


#11

Tert butyl alcohol  
 Concen: 263.694 ug/l  
 RT: 4.74 min Scan# 924  
 Delta R.T. -0.01 min  
 Lab File: VN059619.D  
 Acq: 17 Dec 2019 12:38

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

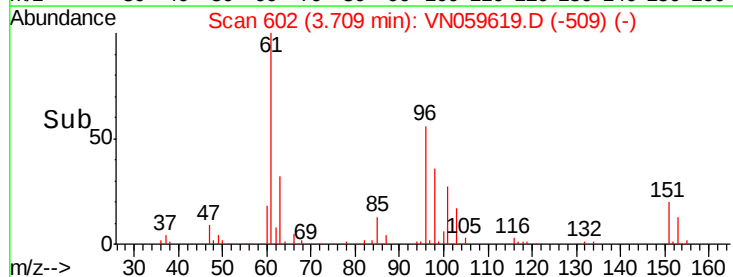
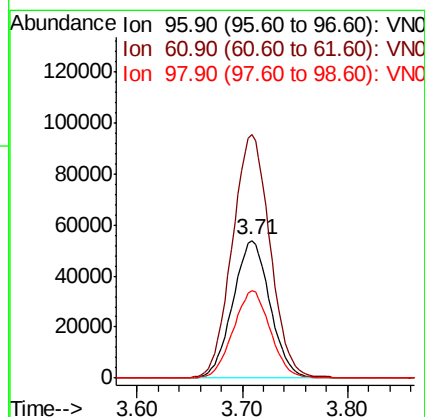
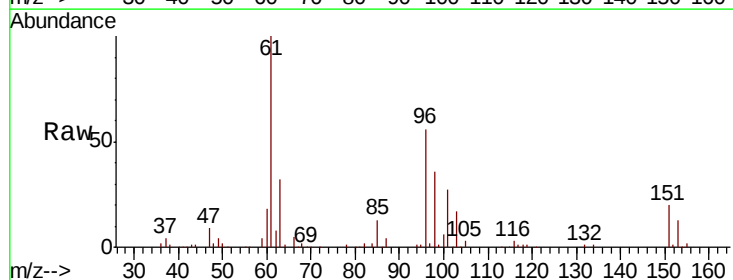
Tot Ion: 59 Resp: 168910  
 Ion Ratio Lower Upper  
 59 100  
 57 10.6 8.6 12.8

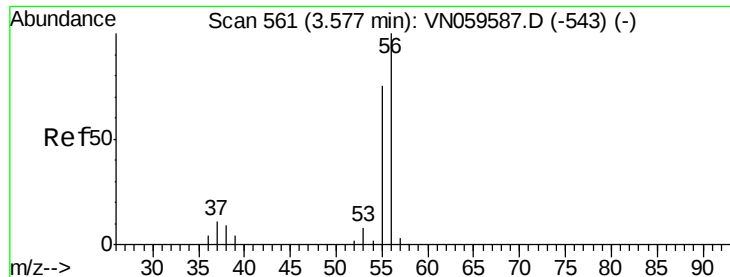


#12

1,1-Dichloroethene  
 Concen: 52.638 ug/l  
 RT: 3.71 min Scan# 602  
 Delta R.T. 0.00 min  
 Lab File: VN059619.D  
 Acq: 17 Dec 2019 12:38

Tgt Ion: 96 Resp: 132565  
 Ion Ratio Lower Upper  
 96 100  
 61 176.8 137.5 206.3  
 98 63.8 50.2 75.4





#13

Acrolein

Concen: 174.706 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

Instrument :

MSVOA\_N

ClientSampleId :

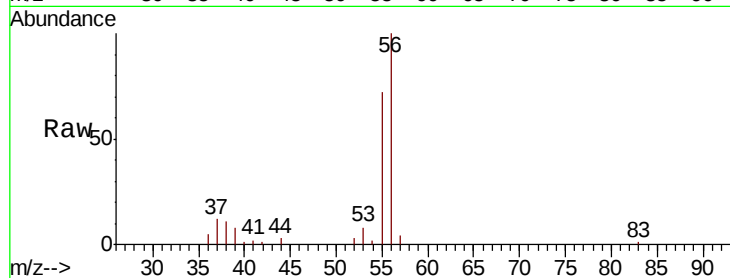
VSTDCCC050

Tot Ion: 56 Resp: 79716

Ion Ratio Lower Upper

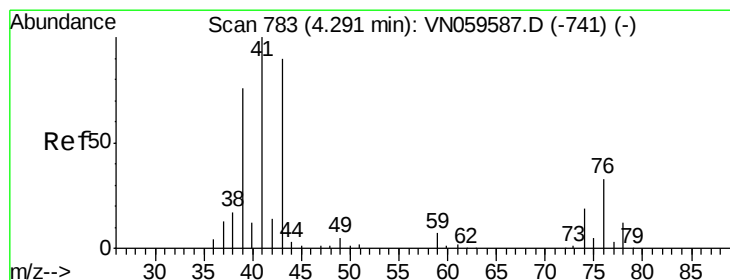
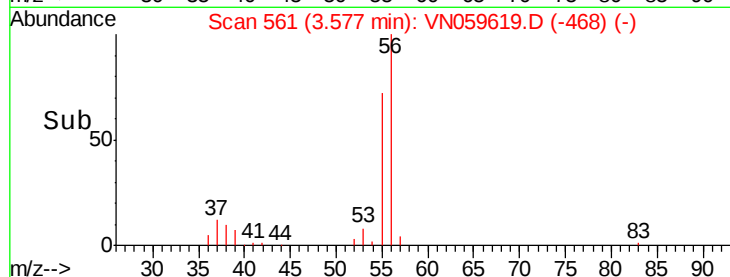
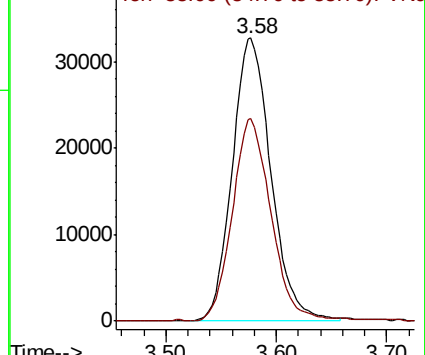
56 100

55 72.1 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 52.574 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

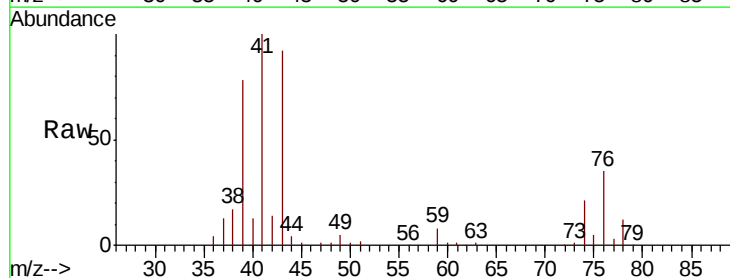
Tgt Ion: 41 Resp: 271806

Ion Ratio Lower Upper

41 100

39 72.2 57.8 86.8

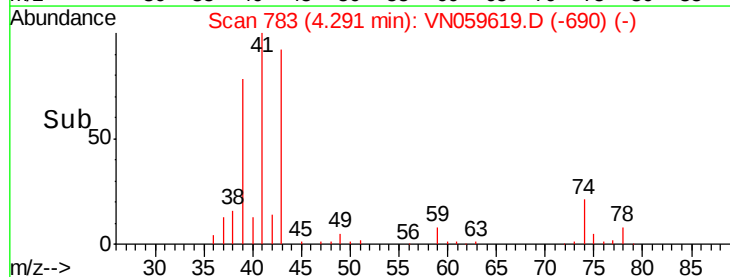
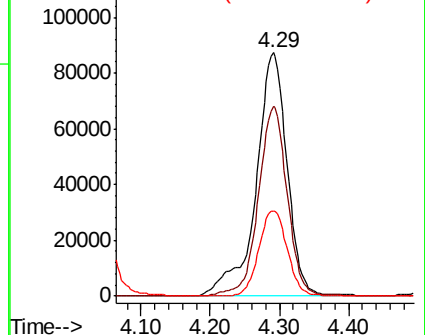
76 32.0 25.4 38.0

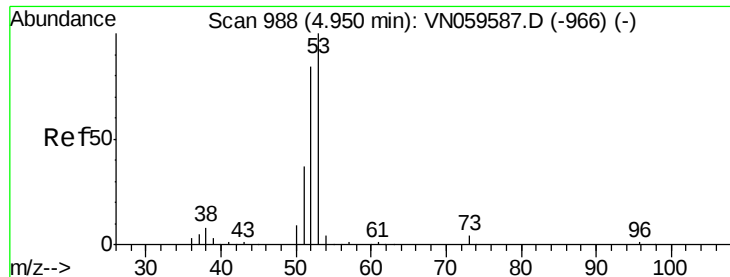


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 279.626 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

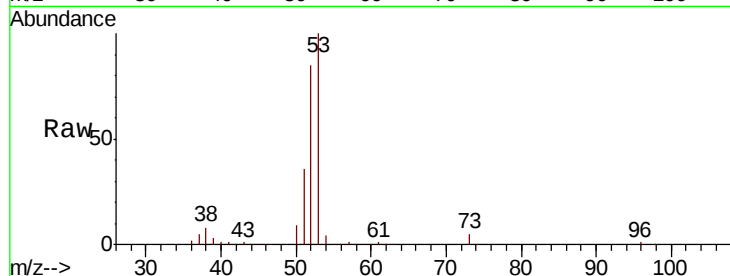
Tot Ion: 53 Resp: 433256

Ion Ratio Lower Upper

53 100

52 83.1 66.3 99.5

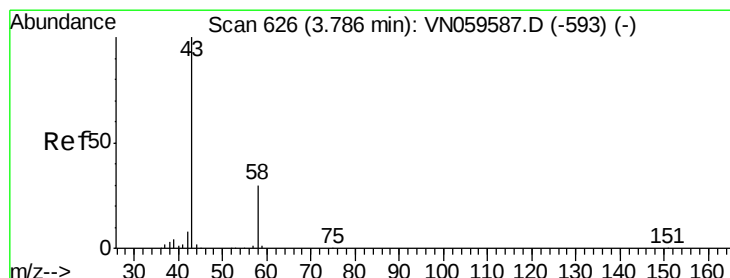
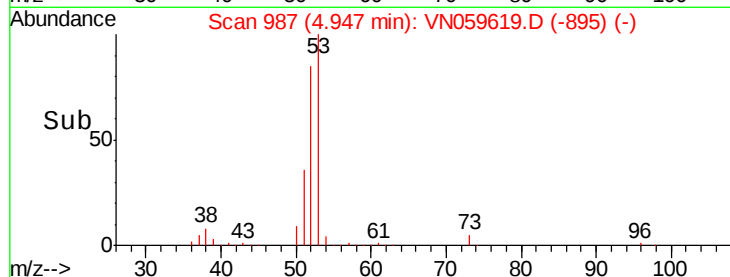
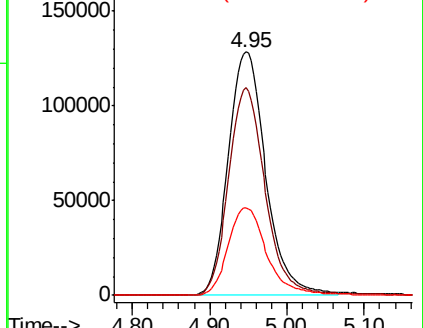
51 37.0 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 248.255 ug/l

RT: 3.78 min Scan# 625

Delta R.T. -0.00 min

Lab File: VN059619.D

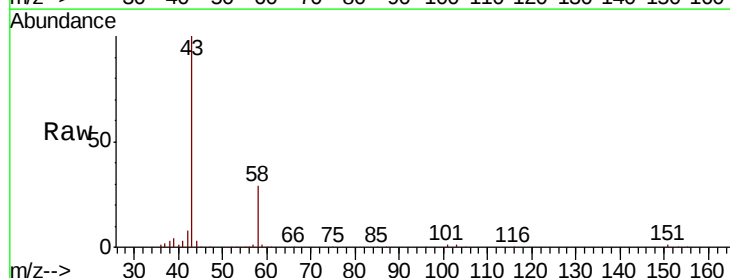
Acq: 17 Dec 2019 12:38

Tgt Ion: 43 Resp: 514976

Ion Ratio Lower Upper

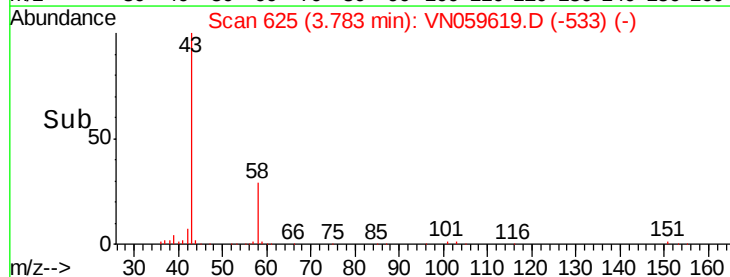
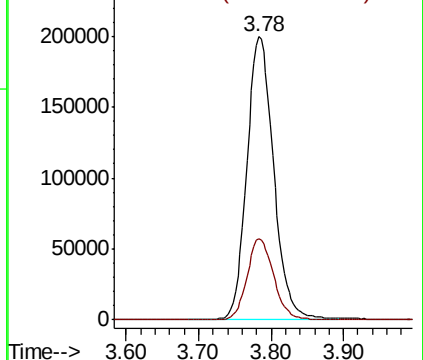
43 100

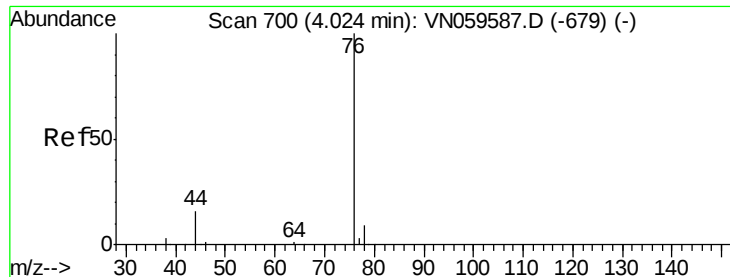
58 28.8 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

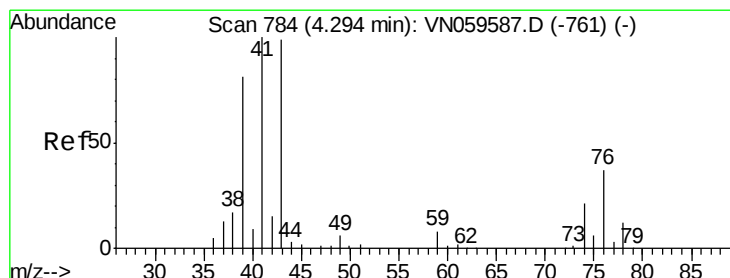
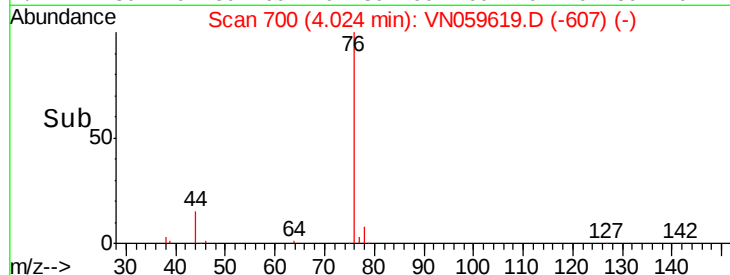
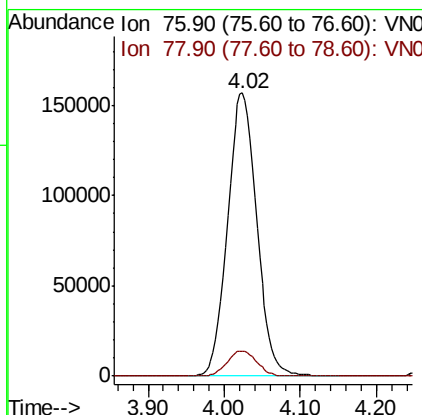
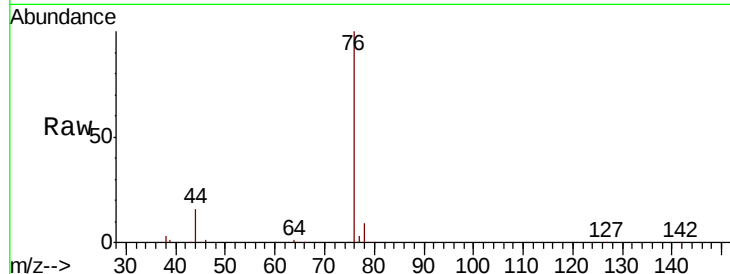




#17  
Carbon Disulfide  
Concen: 48.694 ug/l  
RT: 4.02 min Scan# 700  
Delta R.T. 0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

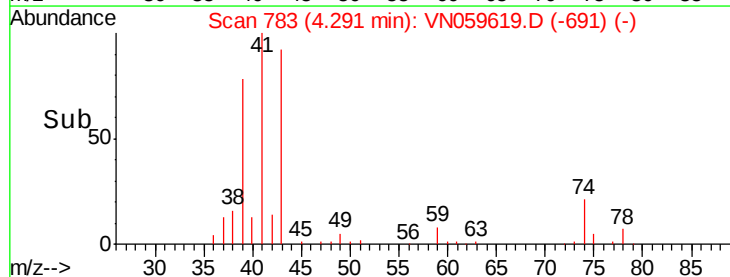
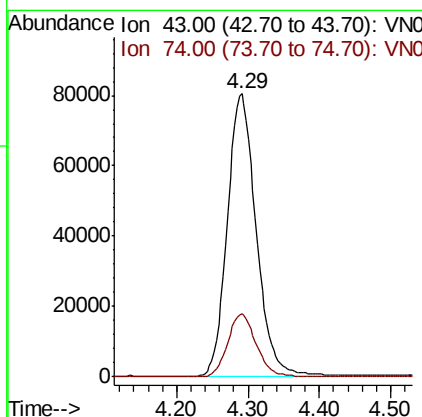
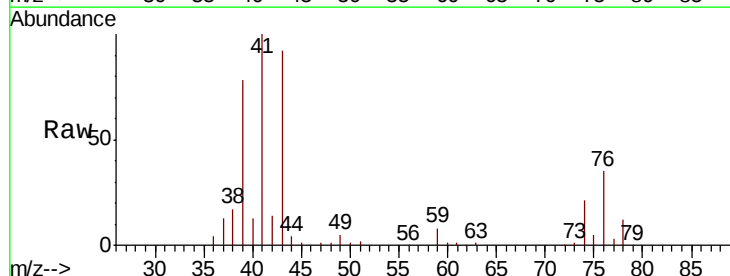
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

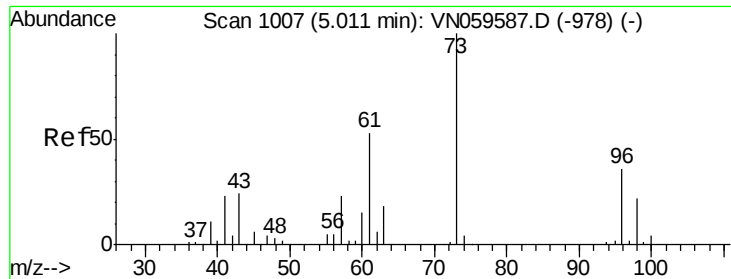
Tot Ion: 76 Resp: 419969  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.4 11.0



#18  
Methyl Acetate  
Concen: 52.079 ug/l  
RT: 4.29 min Scan# 783  
Delta R.T. -0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

Tgt Ion: 43 Resp: 226374  
Ion Ratio Lower Upper  
43 100  
74 21.9 17.5 26.3

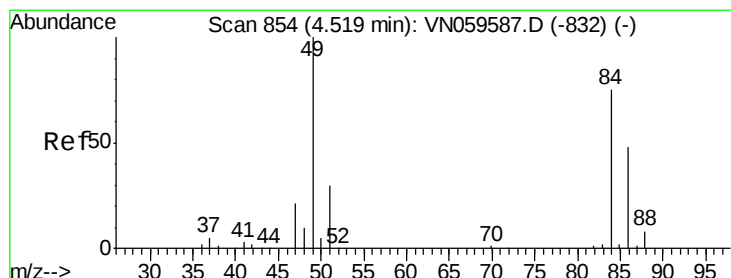
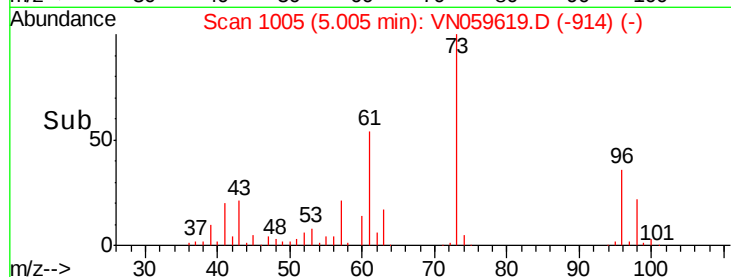
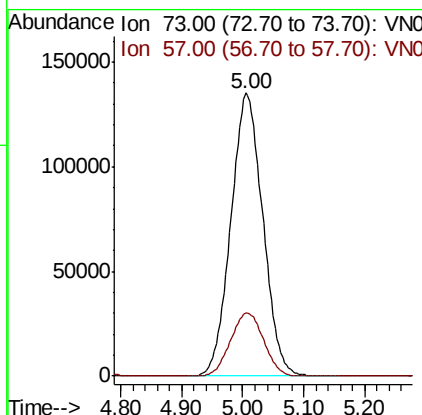
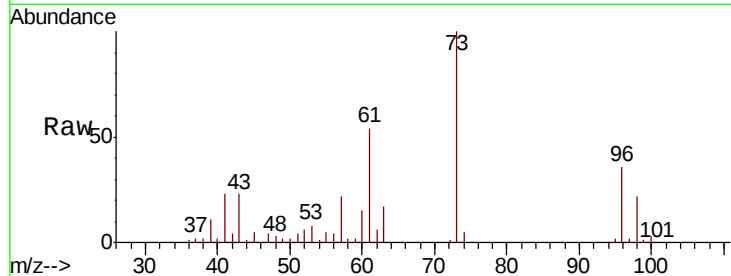




#19  
Methvl tert-butvl Ether  
Concen: 55.360 ug/l  
RT: 5.00 min Scan# 1005  
Delta R.T. -0.01 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

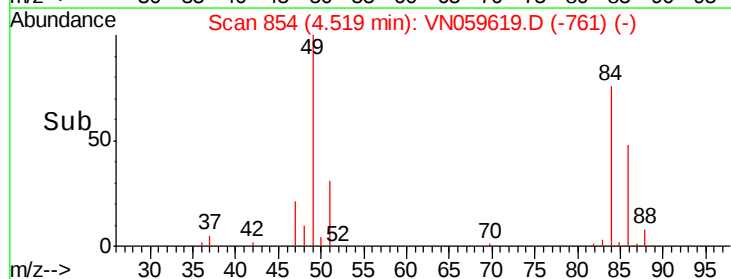
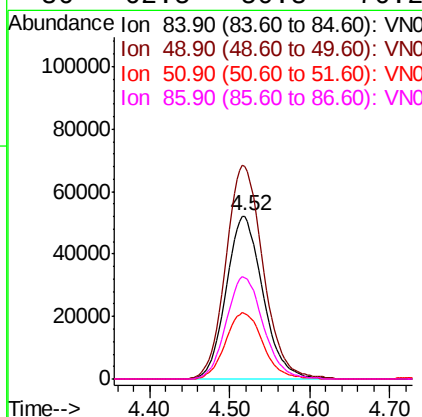
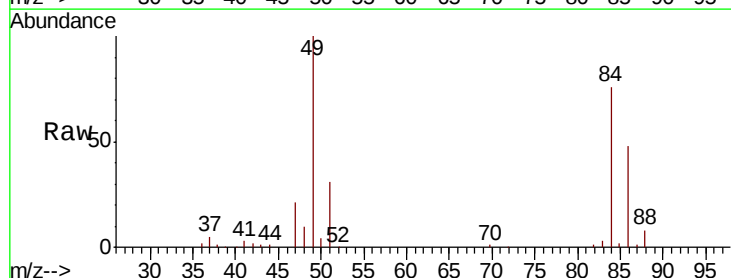
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

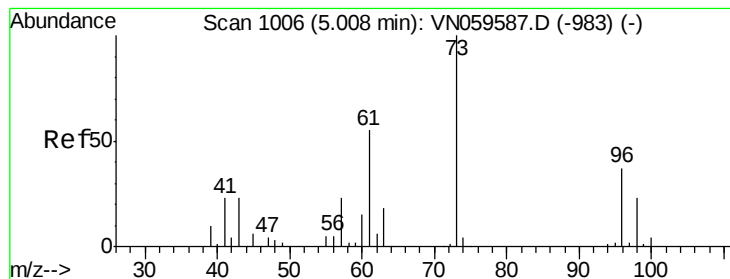
Tot Ion: 73 Resp: 492268  
Ion Ratio Lower Upper  
73 100  
57 22.4 18.6 27.8



#20  
Methylene Chloride  
Concen: 54.194 ug/l  
RT: 4.52 min Scan# 854  
Delta R.T. 0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

Tgt Ion: 84 Resp: 162359  
Ion Ratio Lower Upper  
84 100  
49 130.8 106.6 160.0  
51 40.5 31.9 47.9  
86 62.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 54.037 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

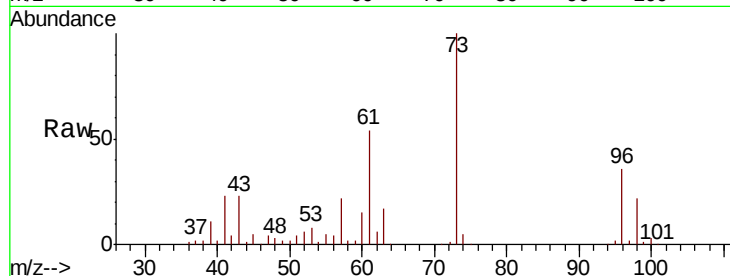
Tot Ion: 96 Resp: 151711

Ion Ratio Lower Upper

96 100

61 149.5 120.4 180.6

98 61.8 50.6 75.8

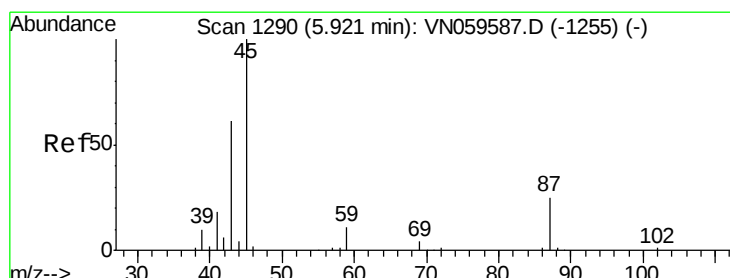
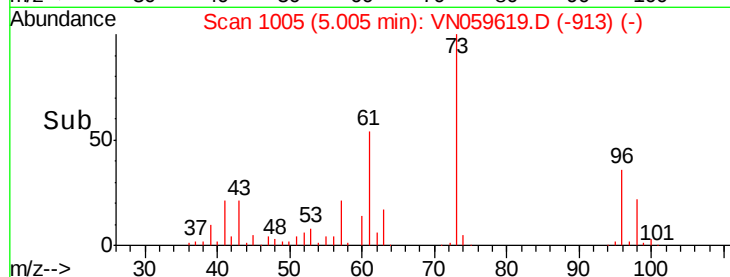
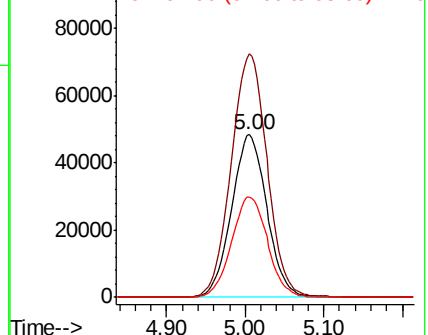


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 57.300 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

Tgt Ion: 45 Resp: 546142

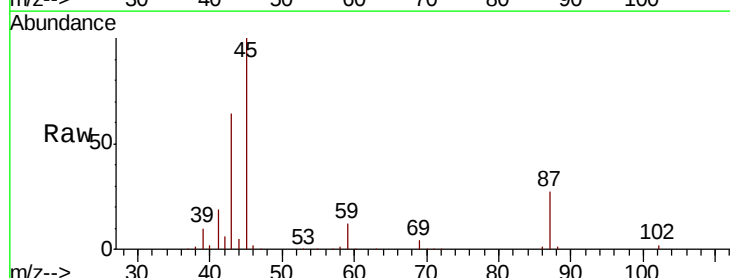
Ion Ratio Lower Upper

45 100

43 63.3 50.8 76.2

87 26.6 21.0 31.6

59 11.5 9.1 13.7



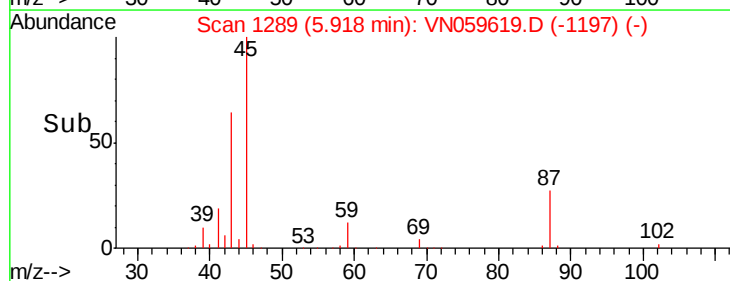
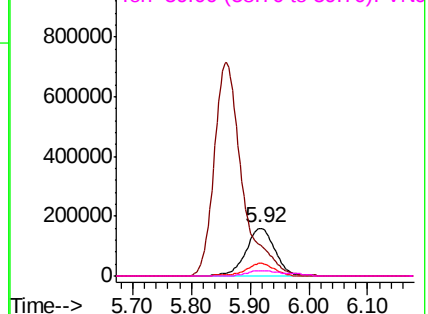
Abundance

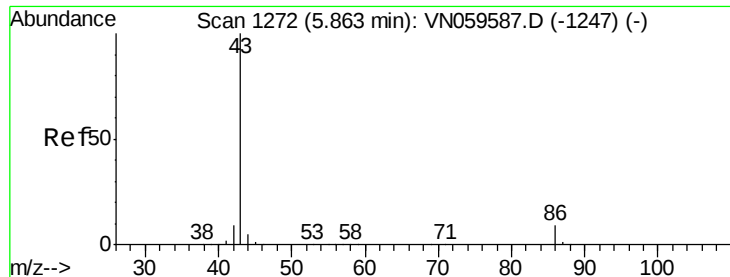
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

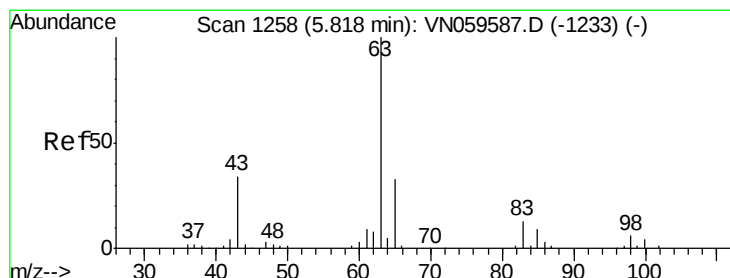
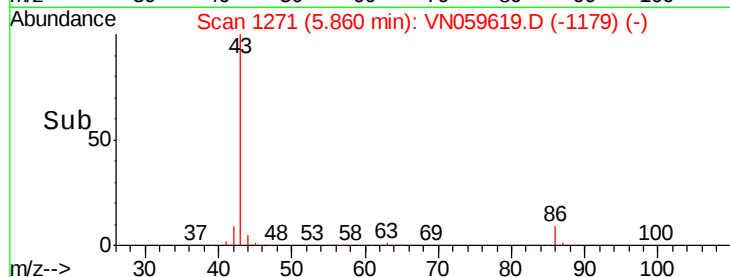
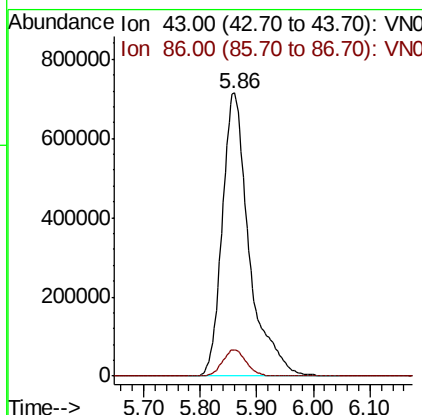
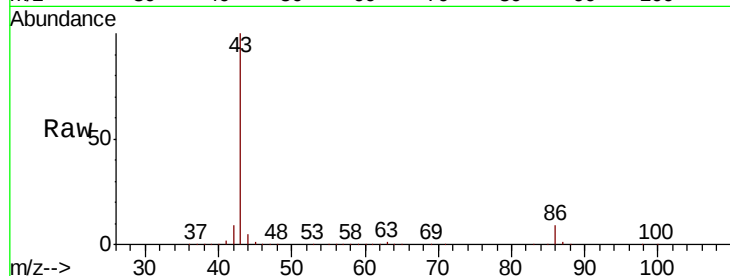




#23  
 Vinyl Acetate  
 Concen: 316.380 ug/l  
 RT: 5.86 min Scan# 1271  
 Delta R.T. -0.00 min  
 Lab File: VN059619.D  
 Acq: 17 Dec 2019 12:38

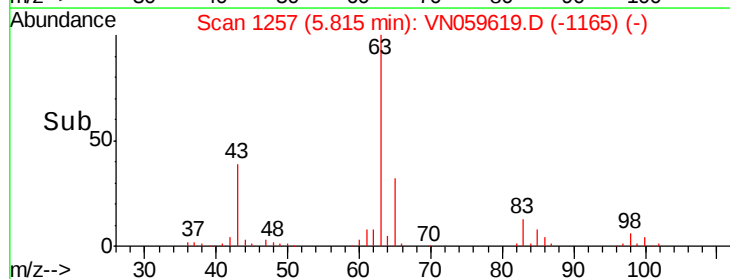
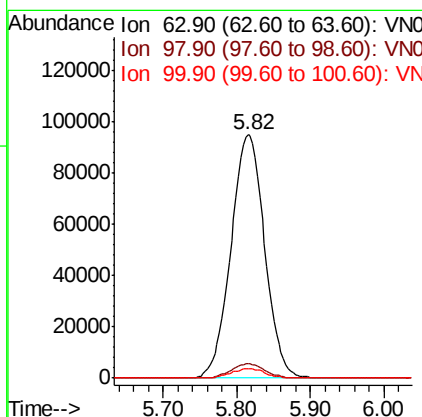
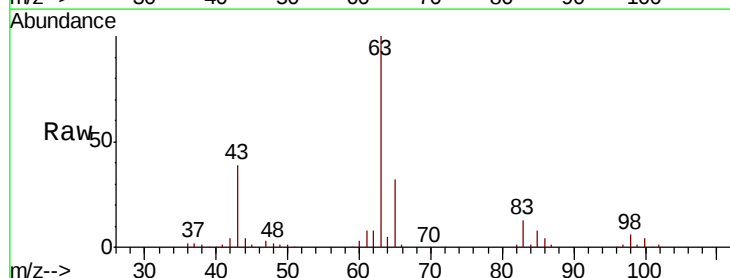
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

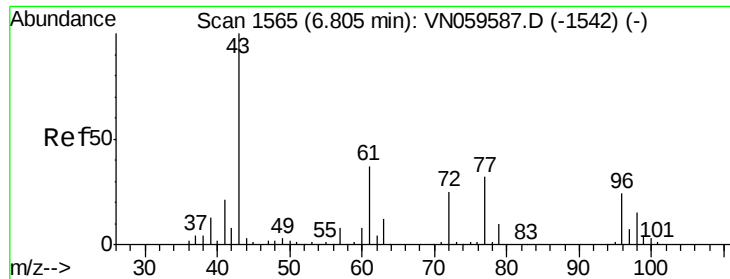
Tot Ion: 43 Resp: 2366477  
 Ion Ratio Lower Upper  
 43 100  
 86 9.4 7.6 11.4



#24  
 1,1-Dichloroethane  
 Concen: 55.974 ug/l  
 RT: 5.82 min Scan# 1257  
 Delta R.T. -0.00 min  
 Lab File: VN059619.D  
 Acq: 17 Dec 2019 12:38

Tgt Ion: 63 Resp: 302213  
 Ion Ratio Lower Upper  
 63 100  
 98 5.9 2.9 8.7  
 100 3.7 2.0 6.0





#25

2-Butanone

Concen: 270.853 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

Instrument :

MSVOA\_N

ClientSampleId :

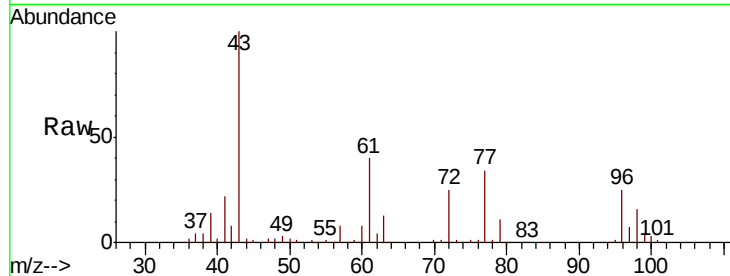
VSTDCCC050

Tot Ion: 43 Resp: 671868

Ion Ratio Lower Upper

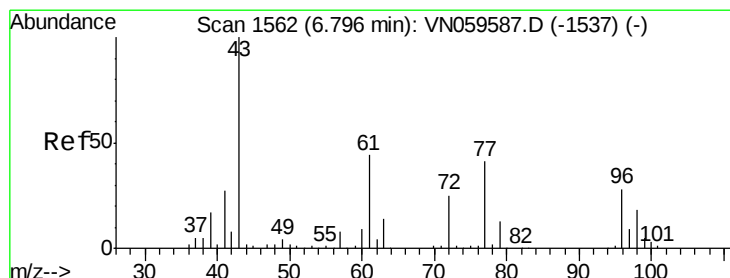
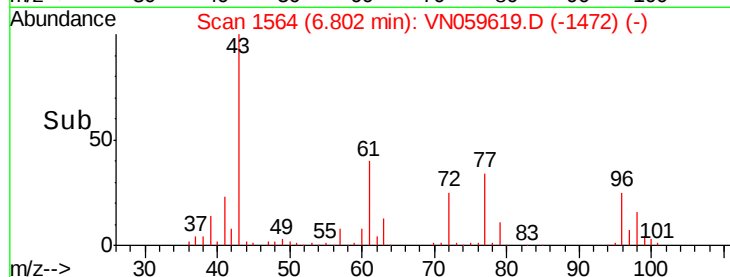
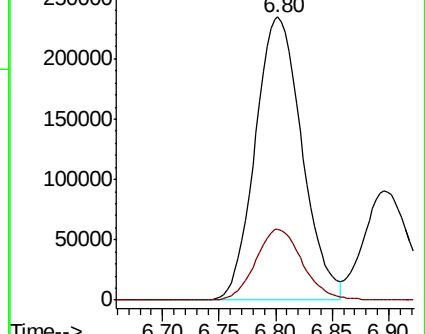
43 100

72 25.1 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 56.071 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059619.D

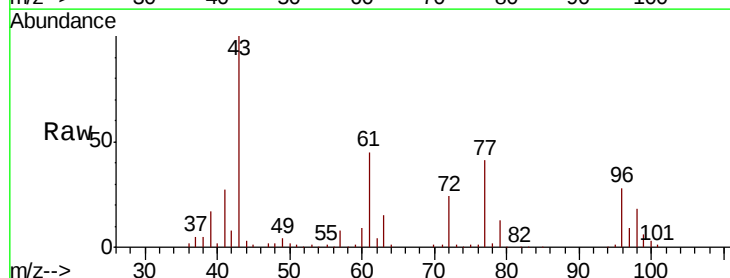
Acq: 17 Dec 2019 12:38

Tgt Ion: 77 Resp: 275142

Ion Ratio Lower Upper

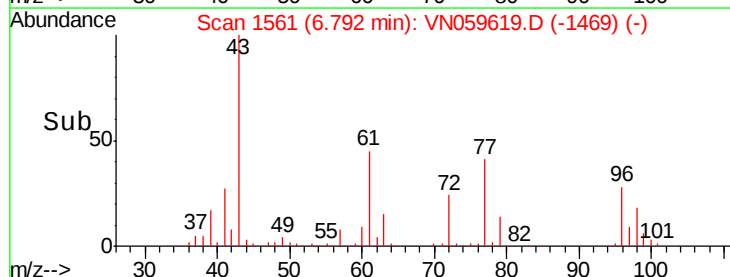
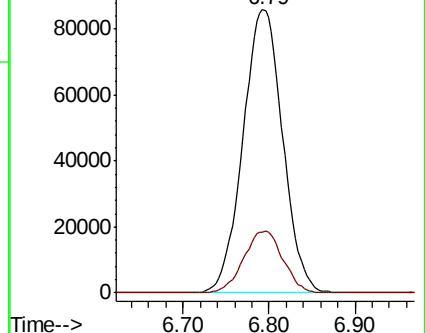
77 100

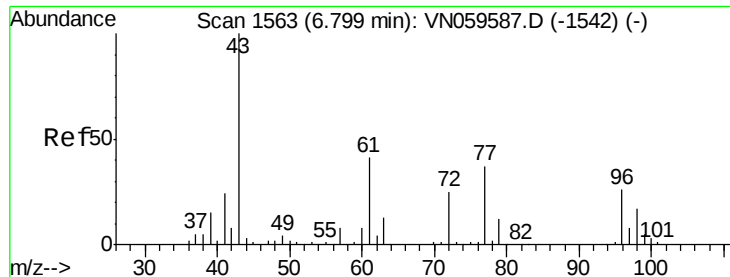
97 21.7 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

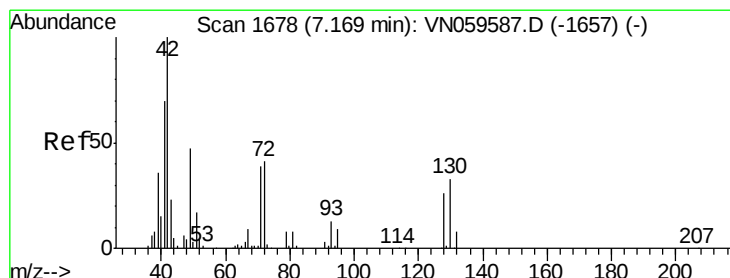
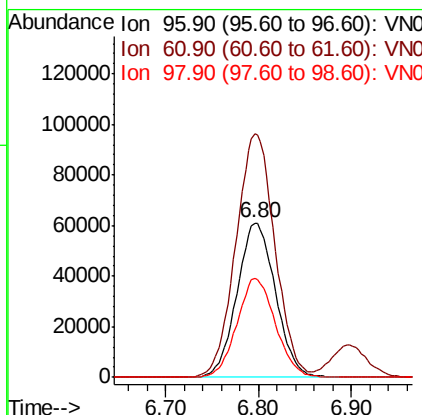
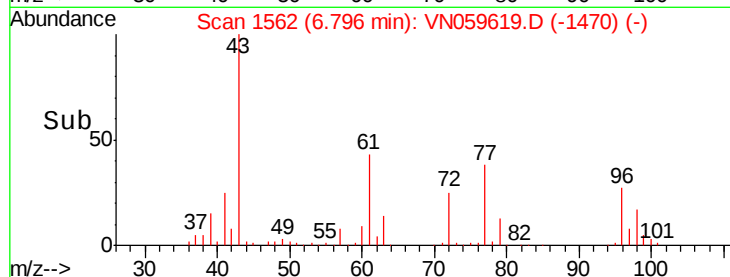
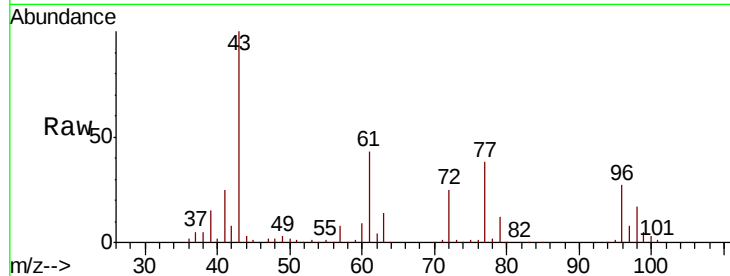




#27  
 cis-1,2-Dichloroethene  
 Concen: 56.488 ug/l  
 RT: 6.80 min Scan# 1562  
 Delta R.T. -0.00 min  
 Lab File: VN059619.D  
 Acq: 17 Dec 2019 12:38

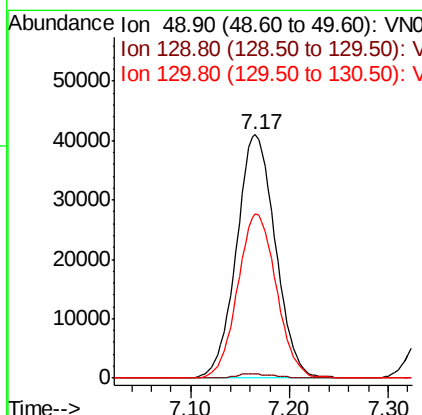
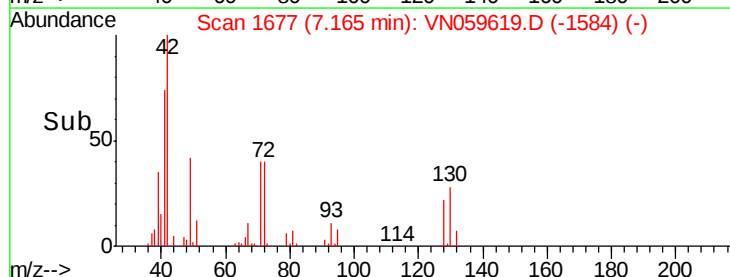
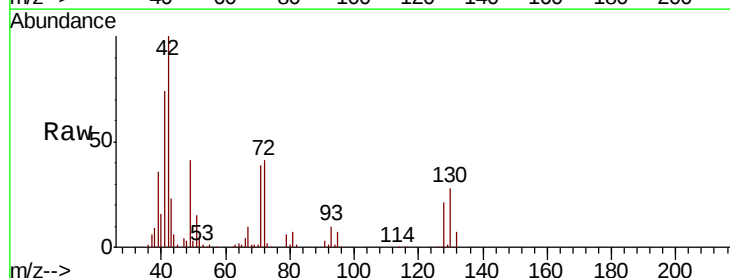
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

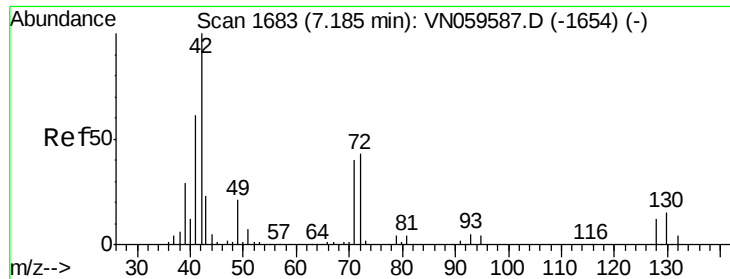
Tot Ion: 96 Resp: 175735  
 Ion Ratio Lower Upper  
 96 100  
 61 159.7 0.0 317.6  
 98 64.2 0.0 127.0



#28  
 Bromochloromethane  
 Concen: 49.312 ug/l  
 RT: 7.17 min Scan# 1677  
 Delta R.T. -0.00 min  
 Lab File: VN059619.D  
 Acq: 17 Dec 2019 12:38

Tgt Ion: 49 Resp: 111862  
 Ion Ratio Lower Upper  
 49 100  
 129 1.7 0.0 3.4  
 130 67.2 54.7 82.1





#29

Tetrahydrofuran

Concen: 273.655 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

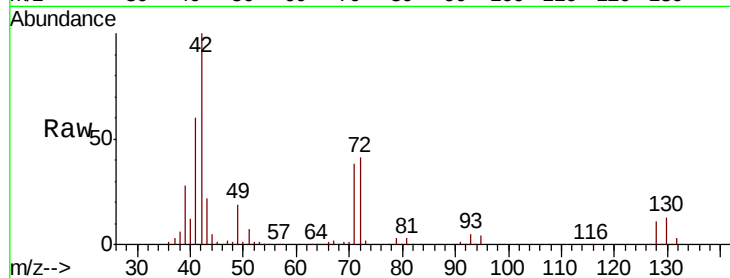
Tot Ion: 42 Resp: 413593

Ion Ratio Lower Upper

42 100

72 41.0 33.1 49.7

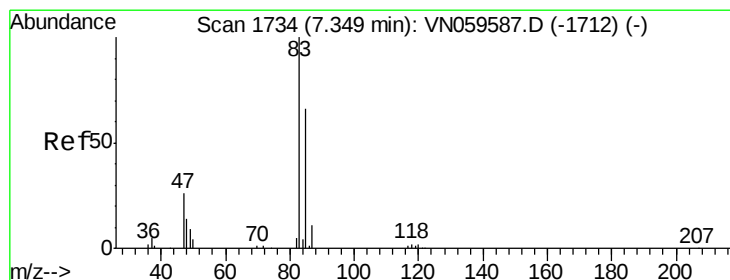
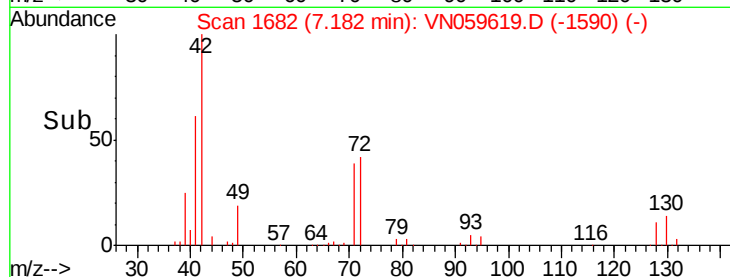
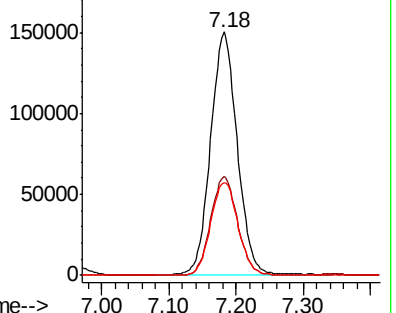
71 39.1 31.4 47.0



Abundance Ion 42.00 (41.70 to 42.70): VN059587.D (-1654) (-)

Ion 72.00 (71.70 to 72.70): VN059587.D (-1654) (-)

Ion 71.00 (70.70 to 71.70): VN059587.D (-1654) (-)



#30

Chloroform

Concen: 56.081 ug/l

RT: 7.34 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VN059619.D

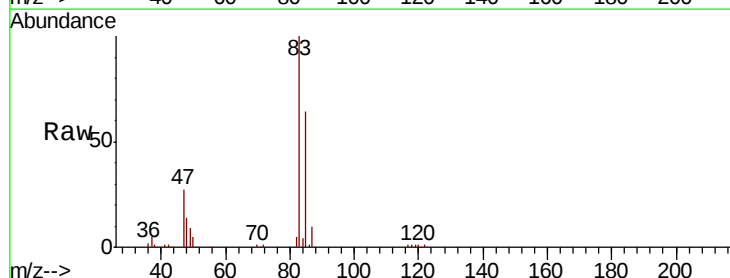
Acq: 17 Dec 2019 12:38

Tgt Ion: 83 Resp: 298041

Ion Ratio Lower Upper

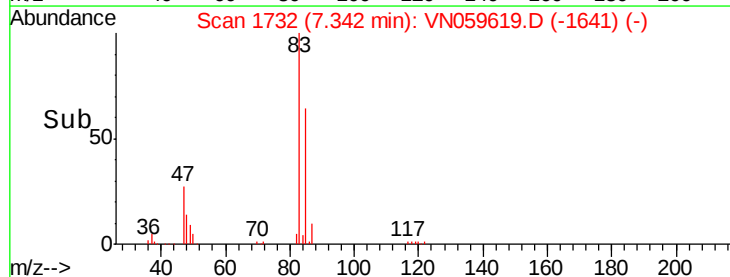
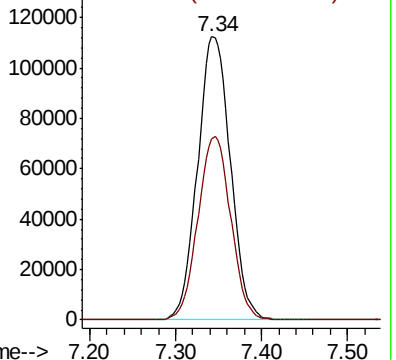
83 100

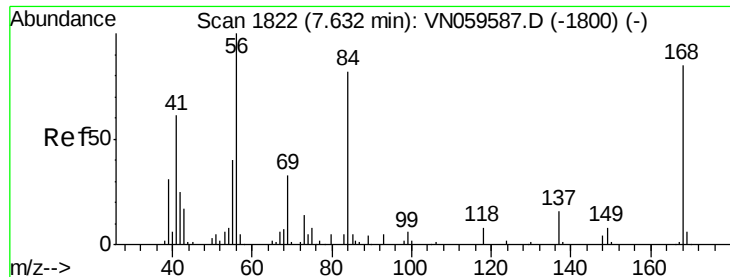
85 64.1 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VN059587.D (-1712) (-)

Ion 84.90 (84.60 to 85.60): VN059587.D (-1712) (-)

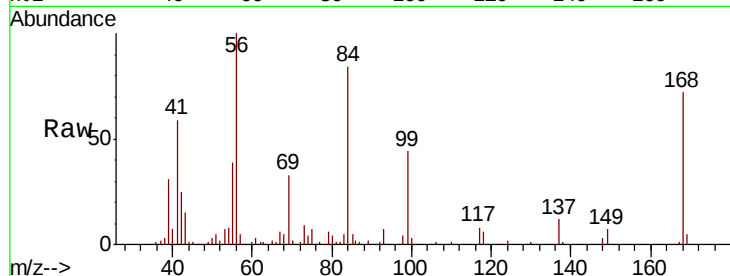




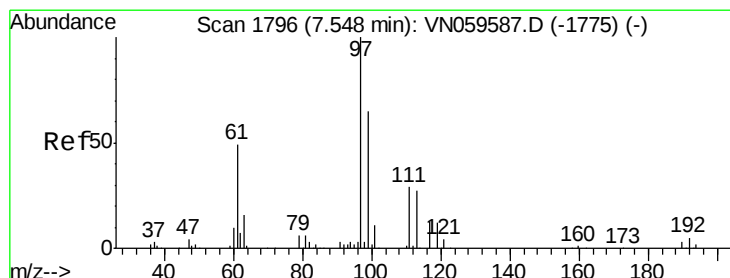
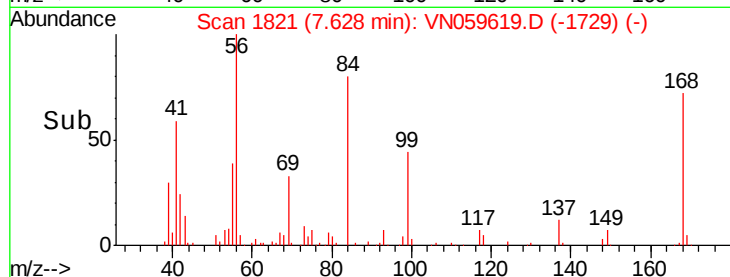
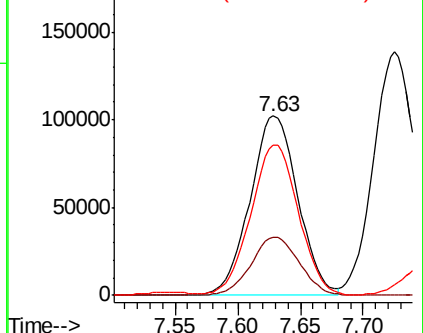
#31  
Cyclohexane  
Concen: 53.085 ug/l  
RT: 7.63 min Scan# 1821  
Delta R.T. -0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 56 Resp: 270817  
Ion Ratio Lower Upper  
56 100  
69 32.6 26.5 39.7  
84 82.8 65.3 97.9

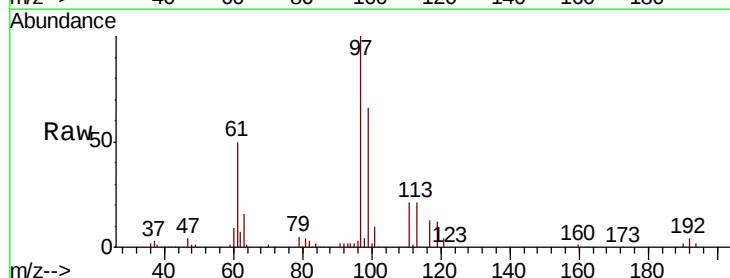


Abundance Ion 56.00 (55.70 to 56.70): VNO  
Ion 69.00 (68.70 to 69.70): VNO  
Ion 84.00 (83.70 to 84.70): VNO

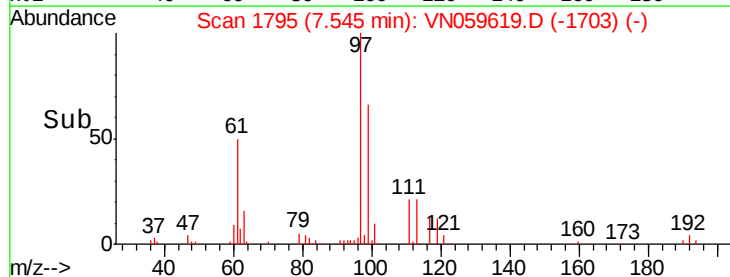
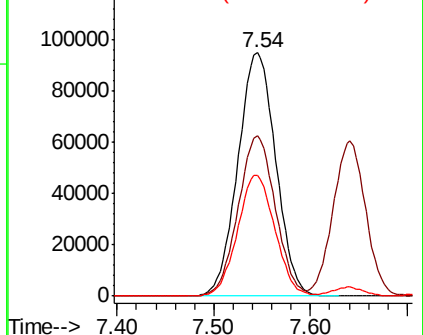


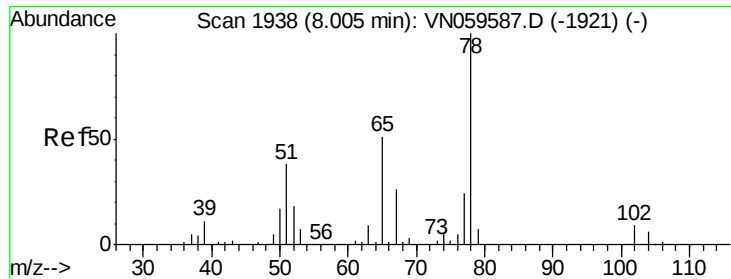
#32  
1,1,1-Trichloroethane  
Concen: 54.063 ug/l  
RT: 7.54 min Scan# 1795  
Delta R.T. -0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

Tgt Ion: 97 Resp: 259029  
Ion Ratio Lower Upper  
97 100  
99 64.7 51.0 76.4  
61 49.0 38.5 57.7



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

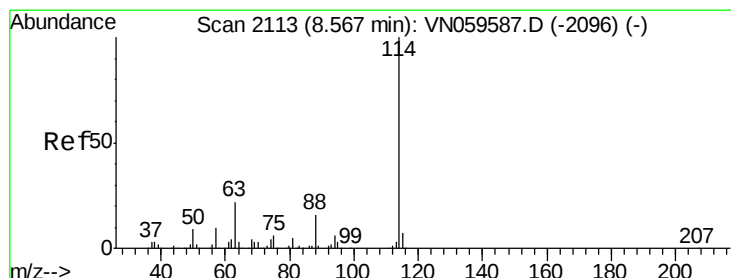
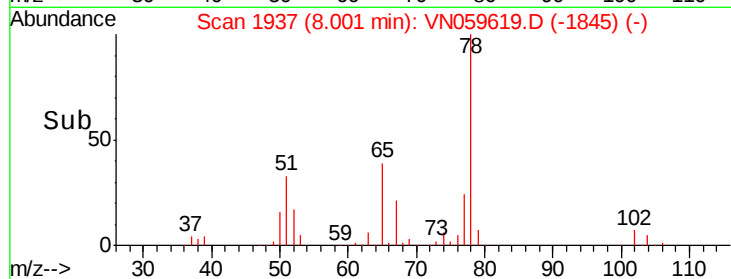
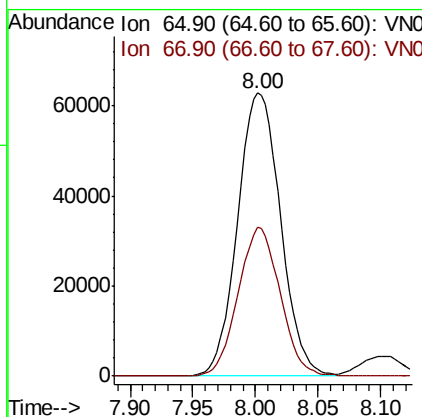
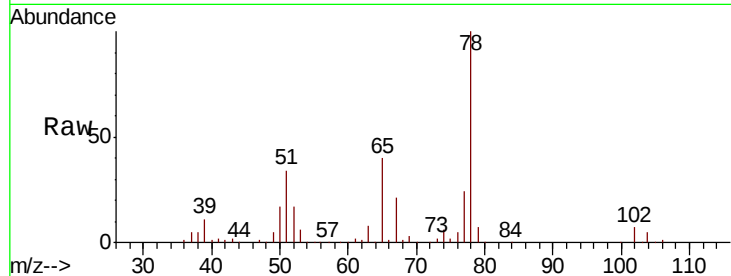




#33  
 1,2-Dichloroethane-d4  
 Concen: 42.825 ug/l  
 RT: 8.00 min Scan# 1937  
 Delta R.T. -0.00 min  
 Lab File: VN059619.D  
 Acq: 17 Dec 2019 12:38

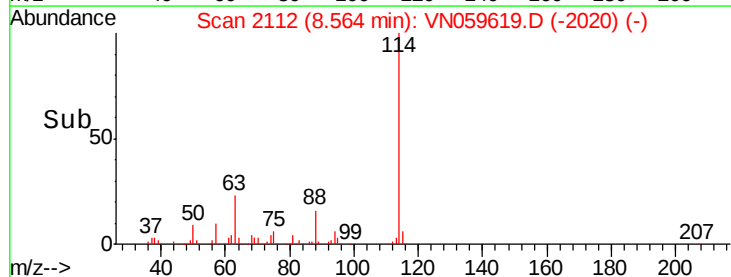
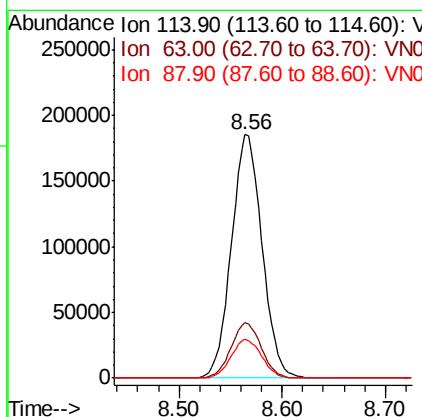
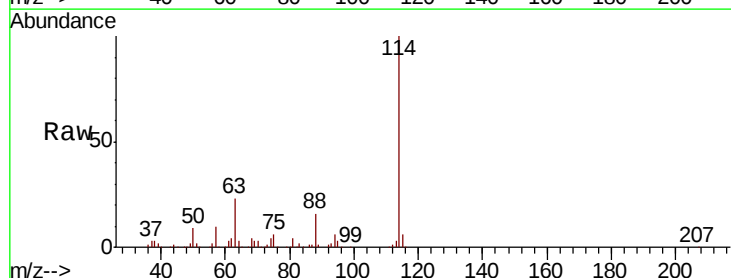
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

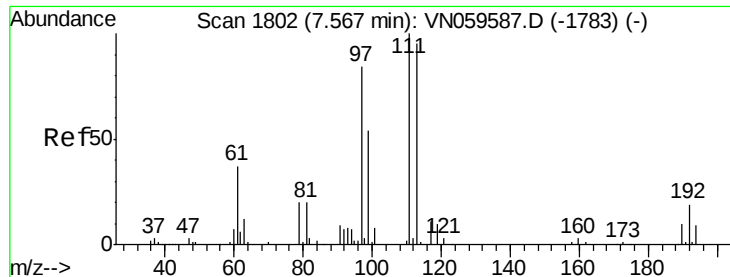
Tot Ion: 65 Resp: 149628  
 Ion Ratio Lower Upper  
 65 100  
 67 51.4 0.0 103.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.56 min Scan# 2112  
 Delta R.T. -0.00 min  
 Lab File: VN059619.D  
 Acq: 17 Dec 2019 12:38

Tgt Ion: 114 Resp: 384046  
 Ion Ratio Lower Upper  
 114 100  
 63 22.6 0.0 43.6  
 88 15.8 0.0 31.4

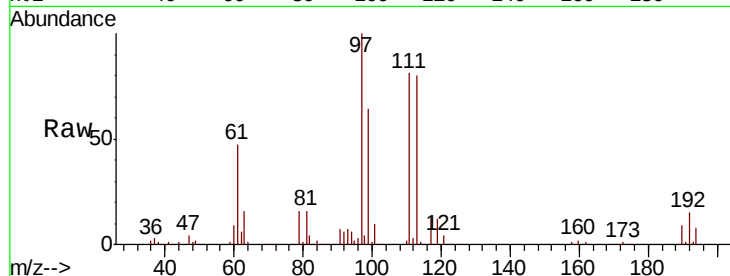




#35  
 Dibromofluoromethane  
 Concen: 43.975 ug/l  
 RT: 7.56 min Scan# 1801  
 Delta R.T. -0.00 min  
 Lab File: VN059619.D  
 Acq: 17 Dec 2019 12:38

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.7 | 83.5  | 125.3 |
| 192     | 18.5  | 15.4  | 23.2  |

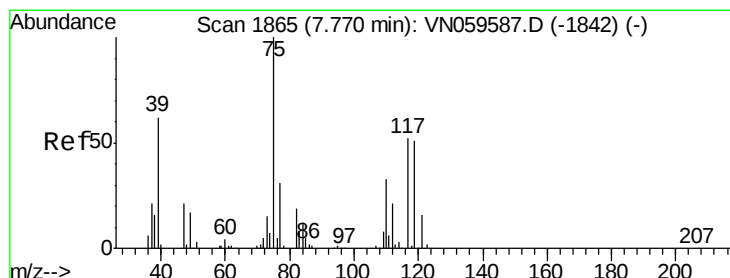
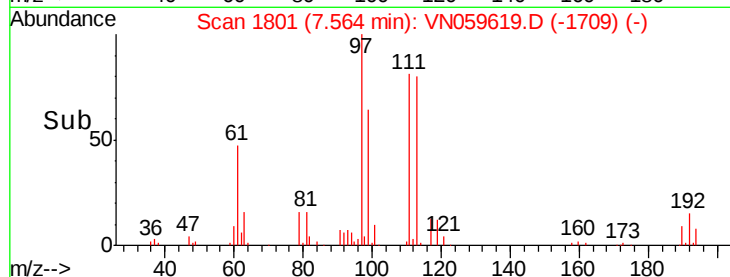
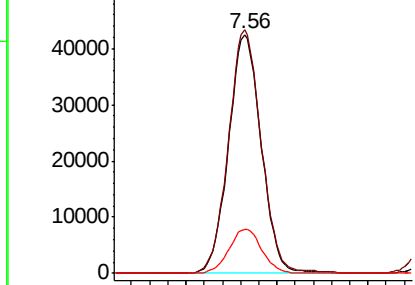


Abundance

Ion 112.80 (112.50 to 113.50): V

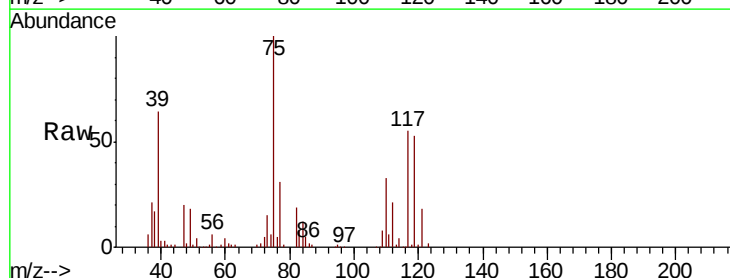
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36  
 1,1-Dichloropropene  
 Concen: 57.377 ug/l  
 RT: 7.77 min Scan# 1864  
 Delta R.T. -0.00 min  
 Lab File: VN059619.D  
 Acq: 17 Dec 2019 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 32.4  | 16.6  | 49.7  |
| 77      | 30.6  | 25.1  | 37.7  |

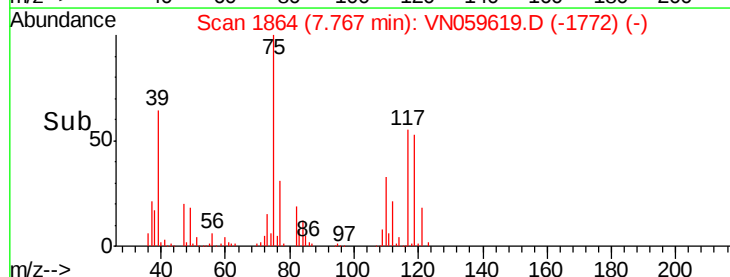
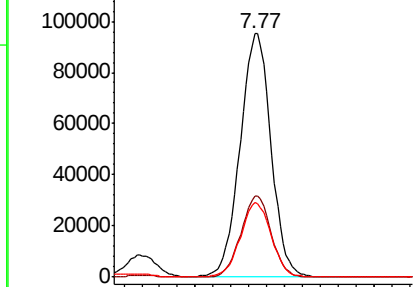


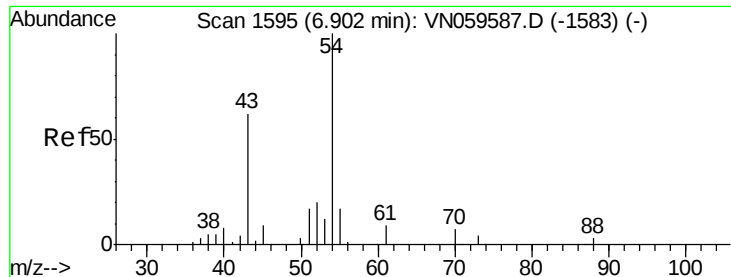
Abundance

Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO

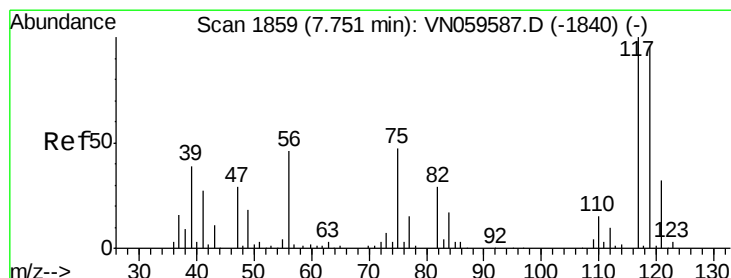
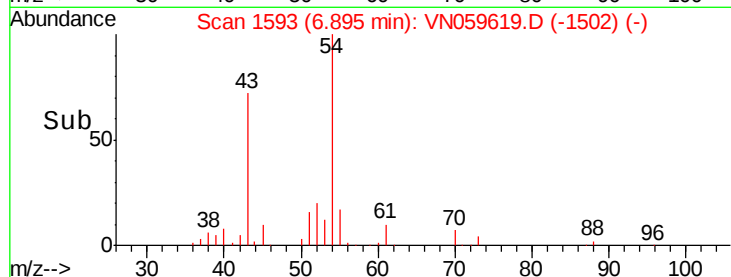
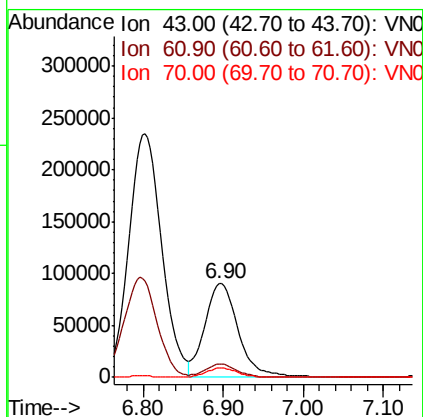
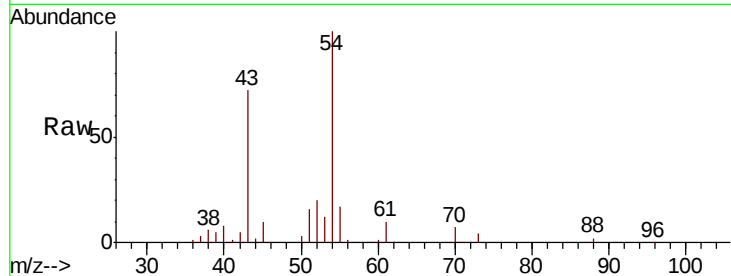




#37  
Ethyl Acetate  
Concen: 56.005 ug/l  
RT: 6.90 min Scan# 1593  
Delta R.T. -0.01 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

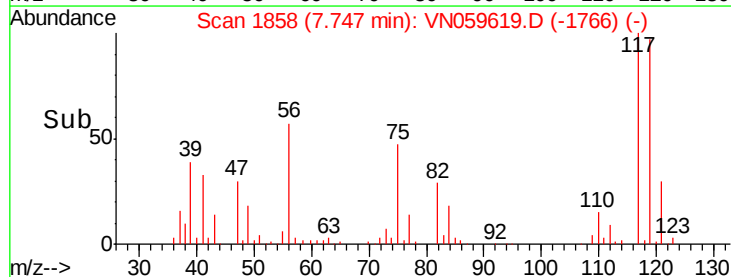
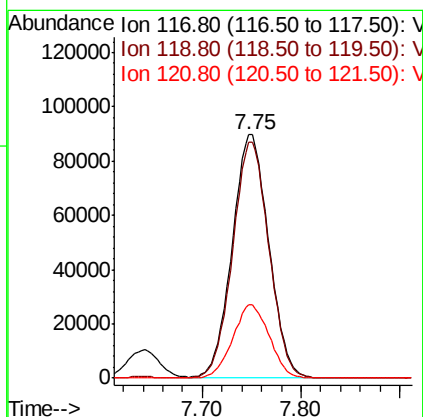
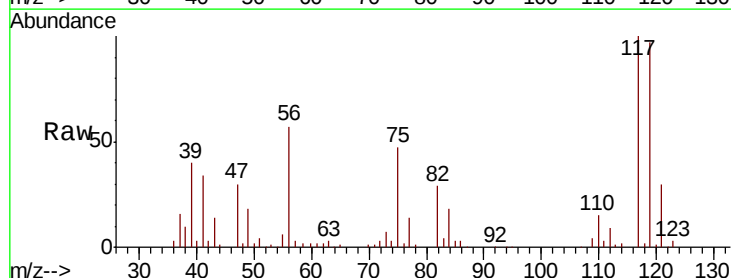
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

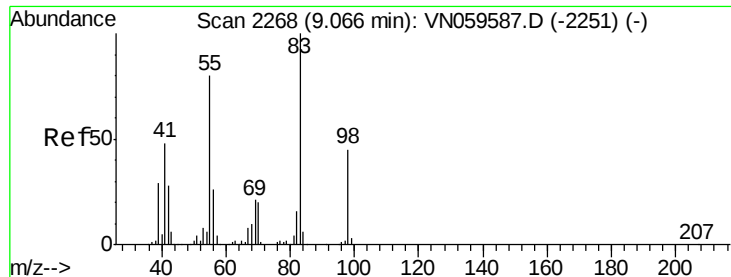
Tot Ion: 43 Resp: 260697  
Ion Ratio Lower Upper  
43 100  
61 13.8 10.9 16.3  
70 9.5 7.7 11.5



#38  
Carbon Tetrachloride  
Concen: 55.640 ug/l  
RT: 7.75 min Scan# 1858  
Delta R.T. -0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

Tgt Ion: 117 Resp: 231237  
Ion Ratio Lower Upper  
117 100  
119 96.8 76.5 114.7  
121 30.2 25.1 37.7

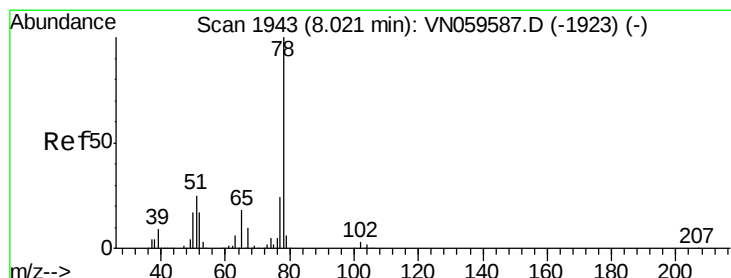
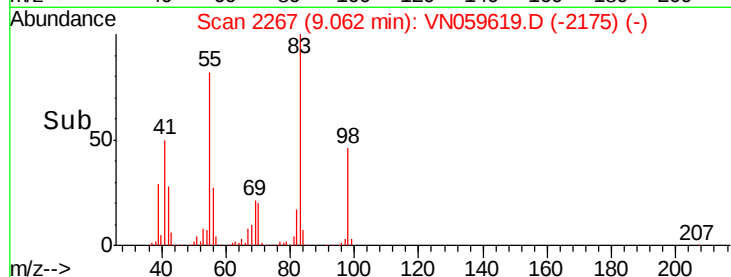
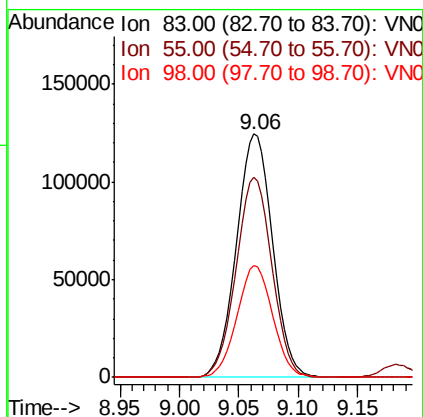
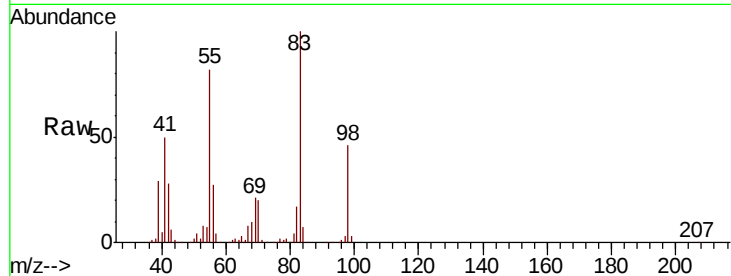




#39  
Methvlcvclohexane  
Concen: 57.729 ug/l  
RT: 9.06 min Scan# 2267  
Delta R.T. -0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

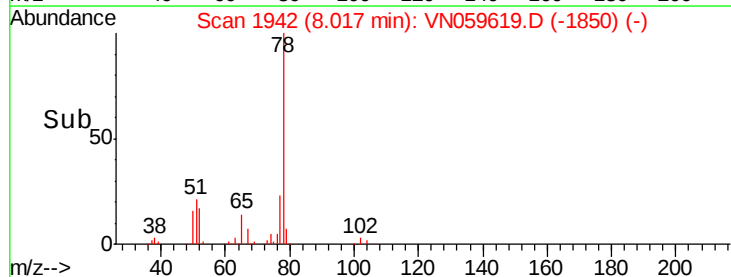
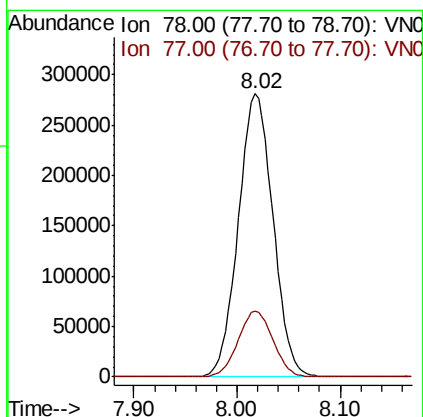
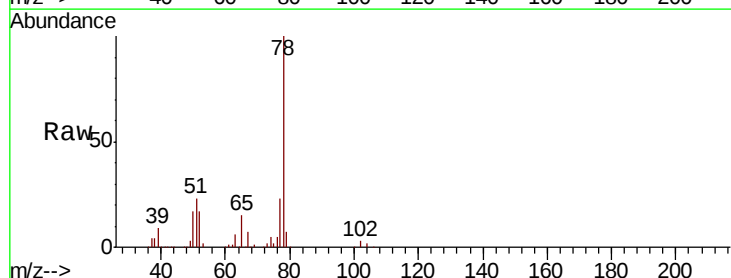
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

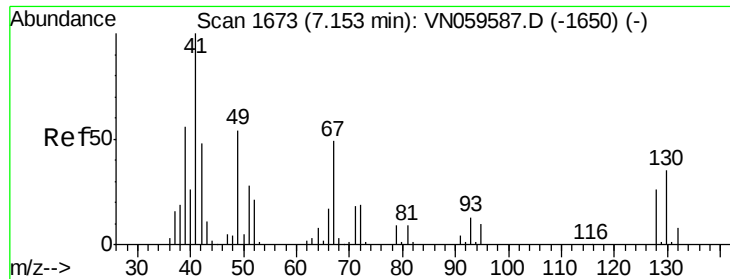
Tot Ion: 83 Resp: 262258  
Ion Ratio Lower Upper  
83 100  
55 82.4 64.2 96.2  
98 46.0 35.9 53.9



#40  
Benzene  
Concen: 56.170 ug/l  
RT: 8.02 min Scan# 1942  
Delta R.T. -0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

Tgt Ion: 78 Resp: 657435  
Ion Ratio Lower Upper  
78 100  
77 23.1 18.9 28.3

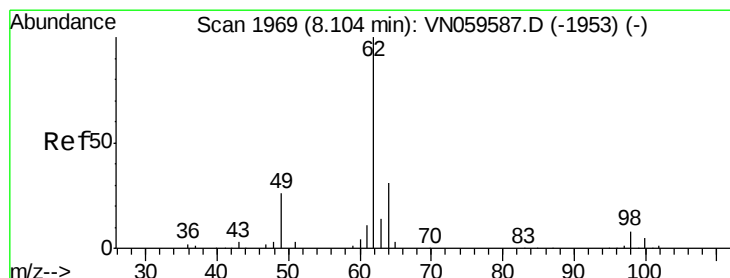
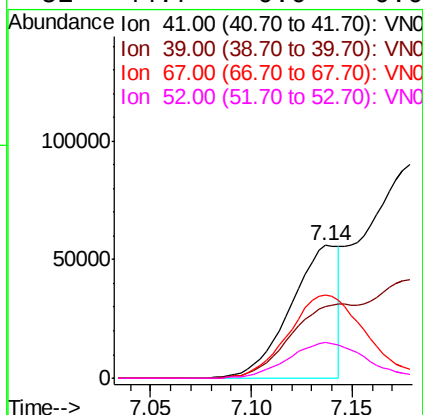
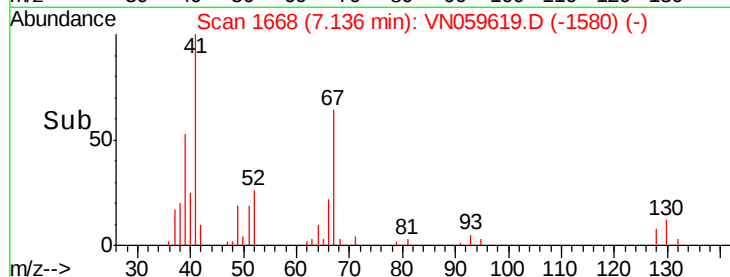
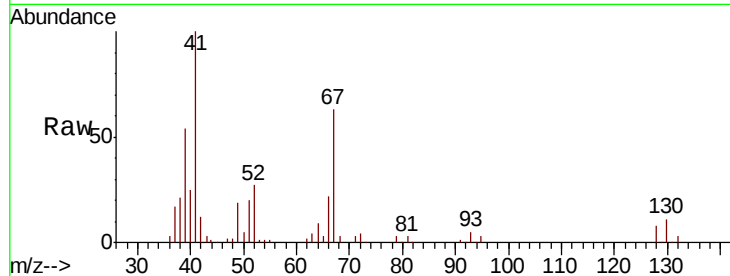




#41  
Methacrylonitrile  
Concen: 48.239 ug/l  
RT: 7.14 min Scan# 1668  
Delta R.T. -0.02 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

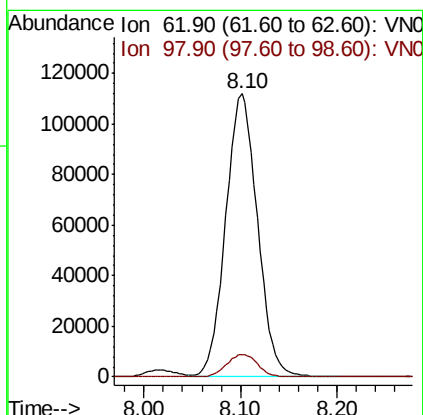
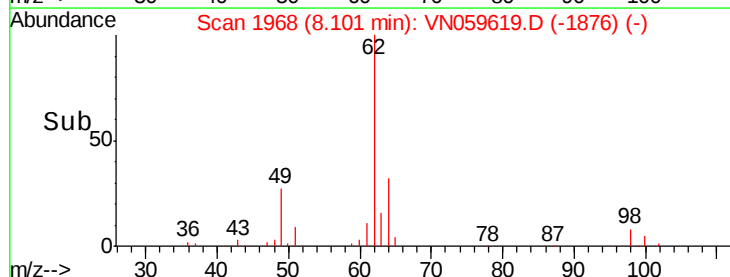
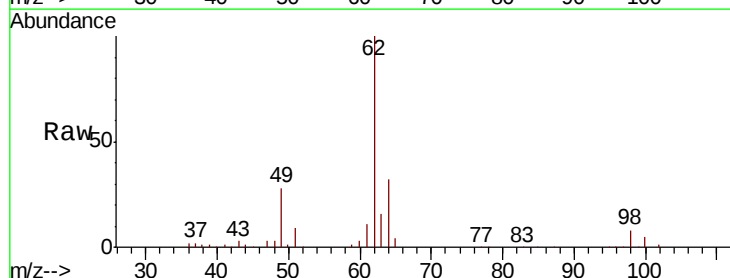
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

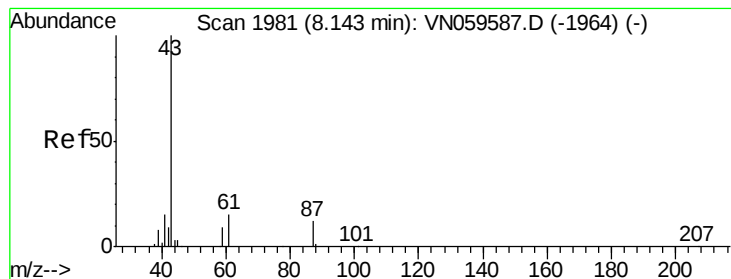
Tot Ion: 41 Resp: 92671  
Ion Ratio Lower Upper  
41 100  
39 0.0 0.0 0.0  
67 100.9 0.0 0.0#  
52 44.7 0.0 0.0#



#42  
1,2-Dichloroethane  
Concen: 56.896 ug/l  
RT: 8.10 min Scan# 1968  
Delta R.T. -0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

Tgt Ion: 62 Resp: 255023  
Ion Ratio Lower Upper  
62 100  
98 7.8 0.0 15.8





#43

Isopropyl Acetate

Concen: 57.211 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

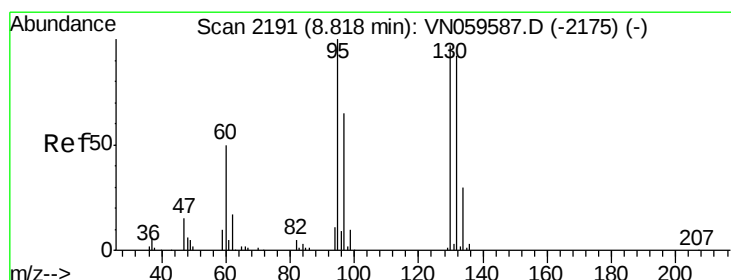
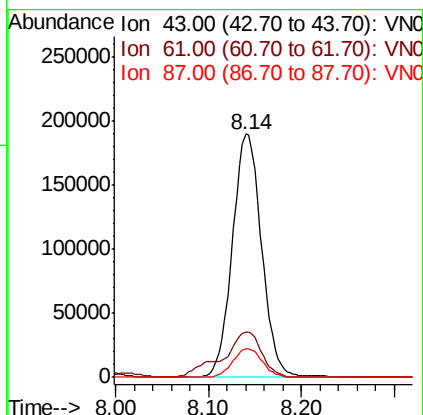
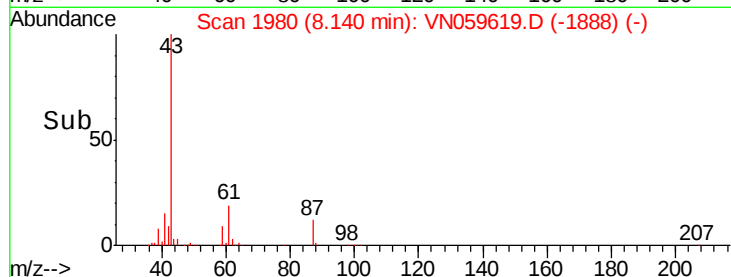
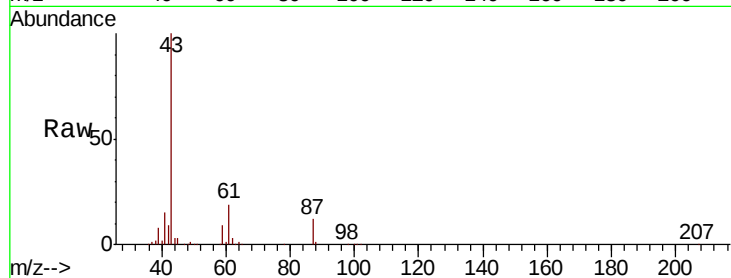
Tot Ion: 43 Resp: 414047

Ion Ratio Lower Upper

43 100

61 25.1 20.2 30.2

87 11.9 9.5 14.3



#44

Trichloroethene

Concen: 55.526 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN059619.D

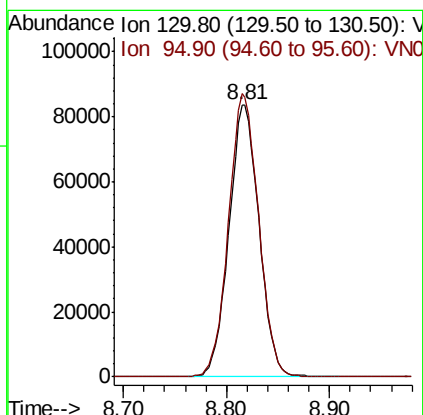
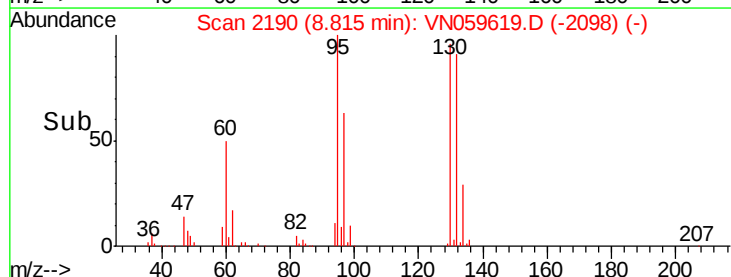
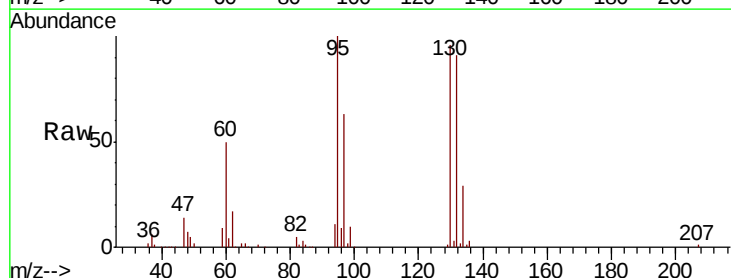
Acq: 17 Dec 2019 12:38

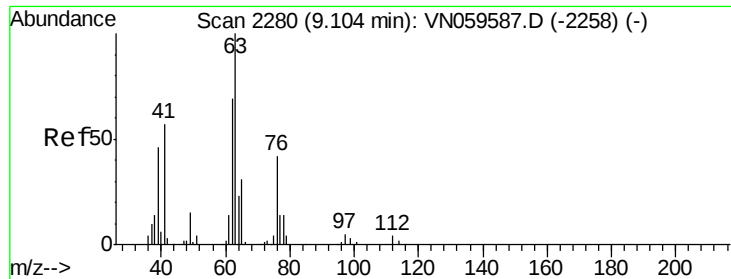
Tgt Ion: 130 Resp: 170227

Ion Ratio Lower Upper

130 100

95 104.0 0.0 207.0

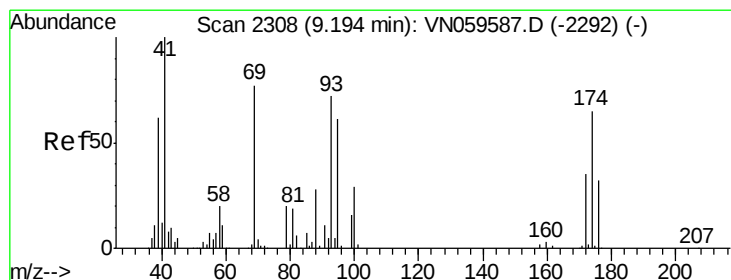
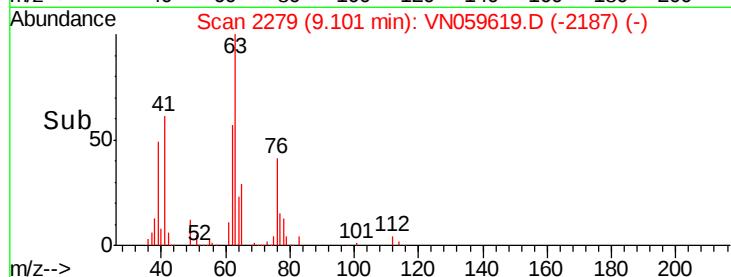
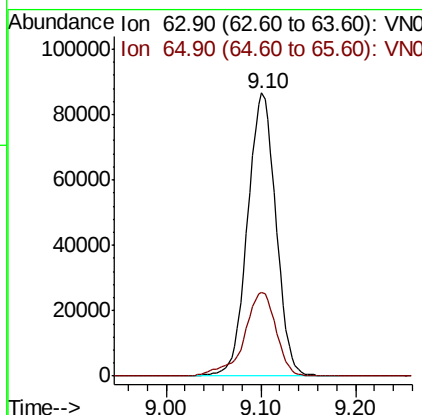
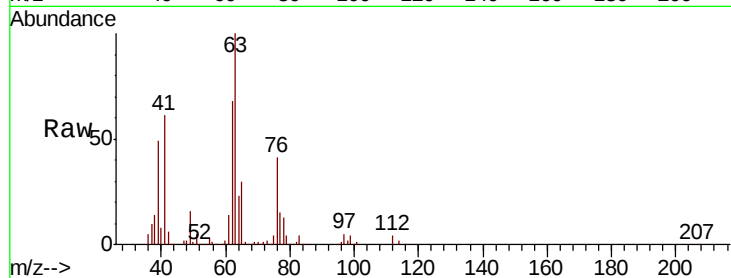




#45  
 1,2-Dichloropropane  
 Concen: 57.072 ug/l  
 RT: 9.10 min Scan# 2279  
 Delta R.T. -0.00 min  
 Lab File: VN059619.D  
 Acq: 17 Dec 2019 12:38

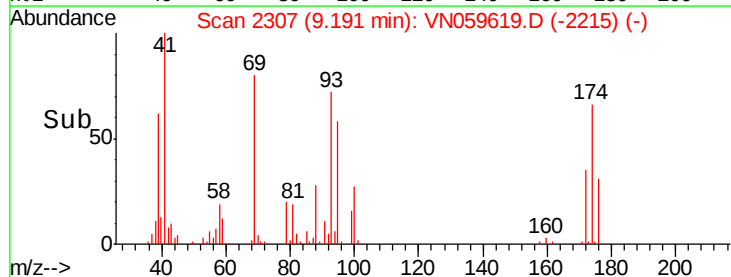
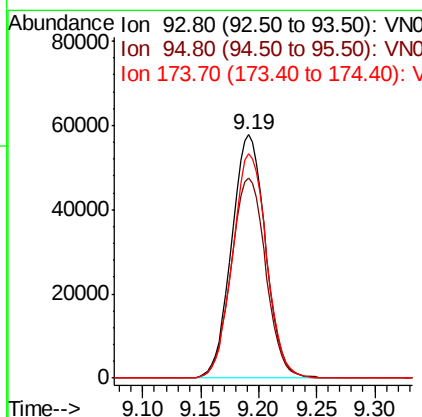
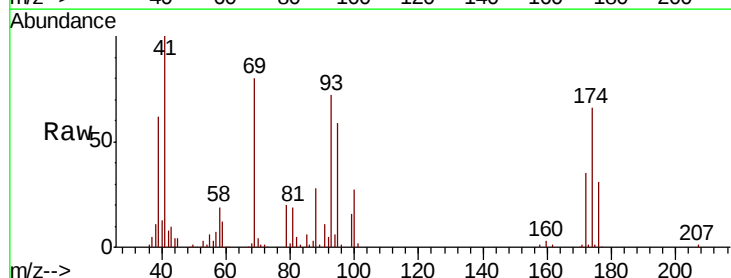
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

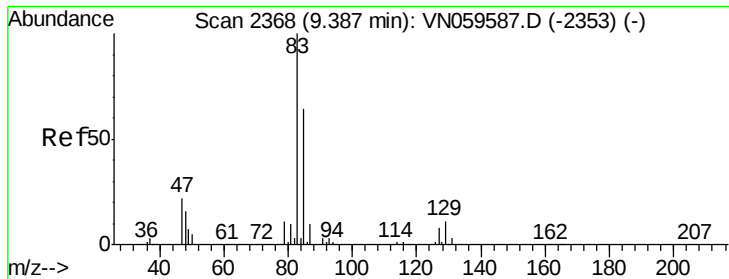
Tot Ion: 63 Resp: 180382  
 Ion Ratio Lower Upper  
 63 100  
 65 29.7 24.9 37.3



#46  
 Dibromomethane  
 Concen: 56.552 ug/l  
 RT: 9.19 min Scan# 2307  
 Delta R.T. -0.00 min  
 Lab File: VN059619.D  
 Acq: 17 Dec 2019 12:38

Tgt Ion: 93 Resp: 117100  
 Ion Ratio Lower Upper  
 93 100  
 95 83.7 67.0 100.6  
 174 92.5 73.4 110.2

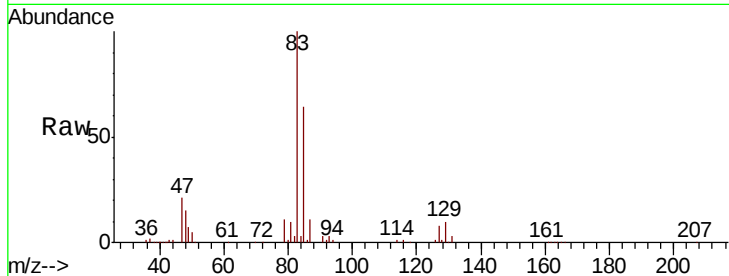




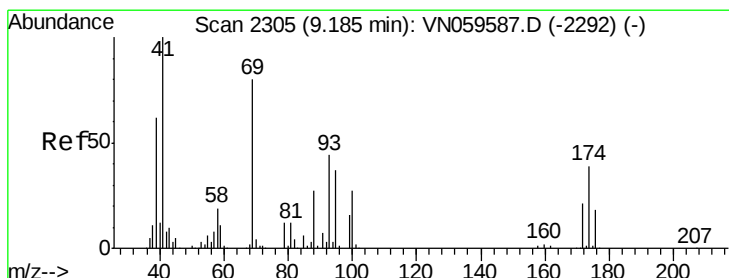
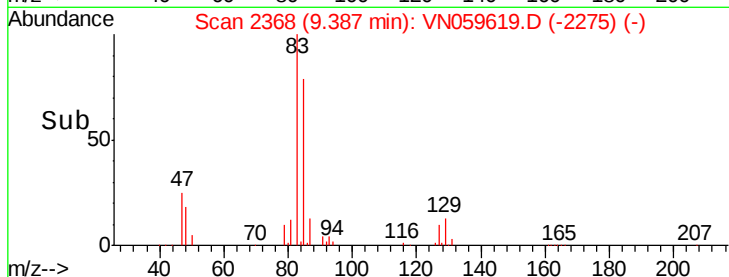
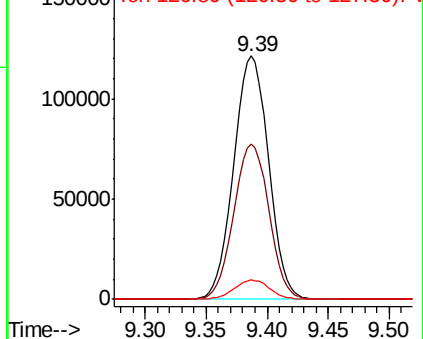
#47  
Bromodichloromethane  
Concen: 58.301 ug/l  
RT: 9.39 min Scan# 2368  
Delta R.T. 0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 83 Resp: 240688  
Ion Ratio Lower Upper  
83 100  
85 63.8 51.1 76.7  
127 7.9 6.6 9.8

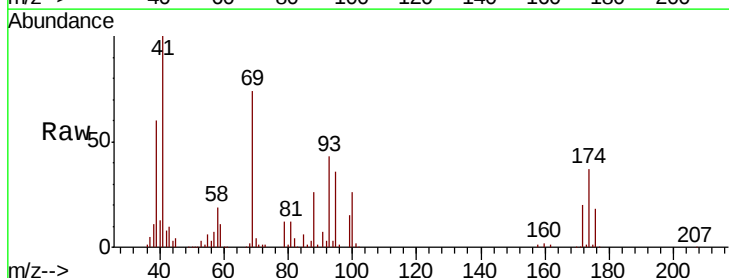


Abundance Ion 82.90 (82.60 to 83.60): VN0  
Ion 84.90 (84.60 to 85.60): VN0  
Ion 126.80 (126.50 to 127.50): VN0

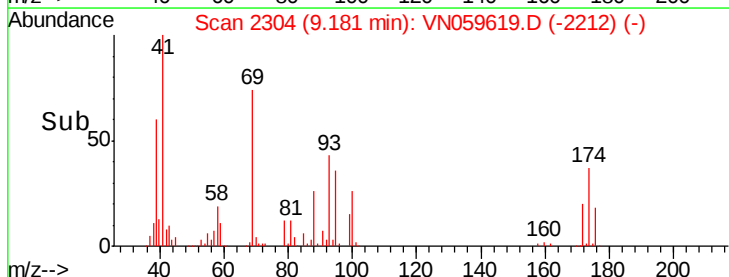
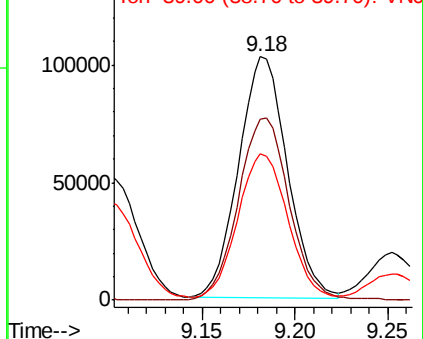


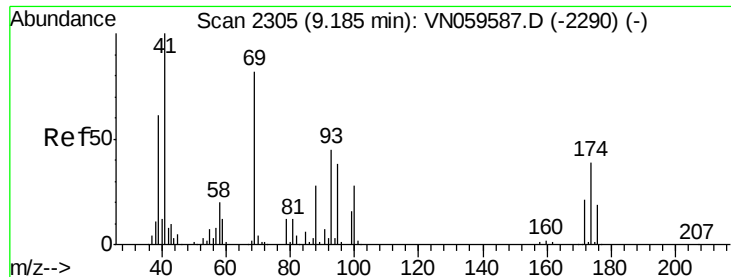
#48  
Methyl methacrylate  
Concen: 57.480 ug/l  
RT: 9.18 min Scan# 2304  
Delta R.T. -0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

Tgt Ion: 41 Resp: 188733  
Ion Ratio Lower Upper  
41 100  
69 78.9 64.4 96.6  
39 62.8 51.3 76.9



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

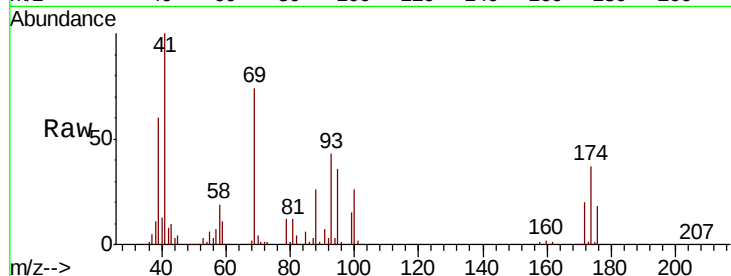




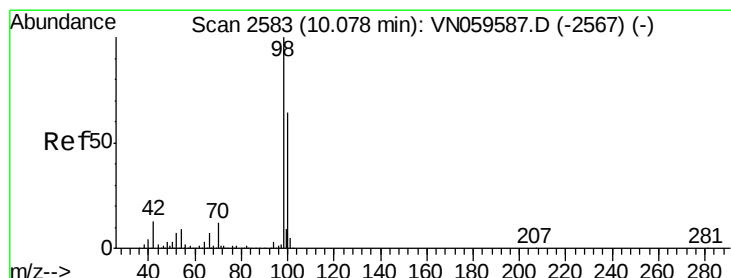
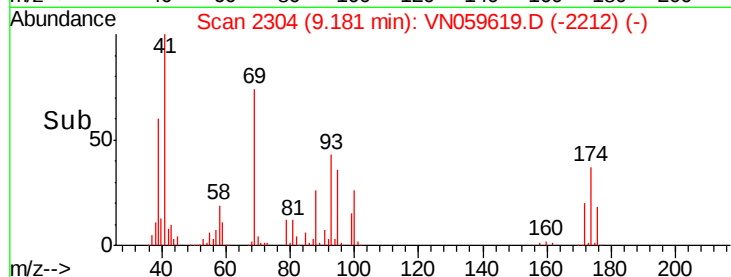
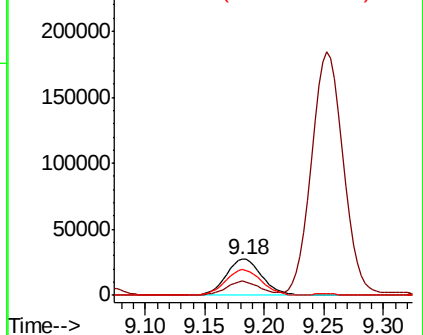
#49  
1,4-Dioxane  
Concen: 1209.623 ug/l  
RT: 9.18 min Scan# 2304  
Delta R.T. -0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 88 Resp: 56918  
Ion Ratio Lower Upper  
88 100  
43 36.8 29.7 44.5  
58 71.4 56.6 85.0

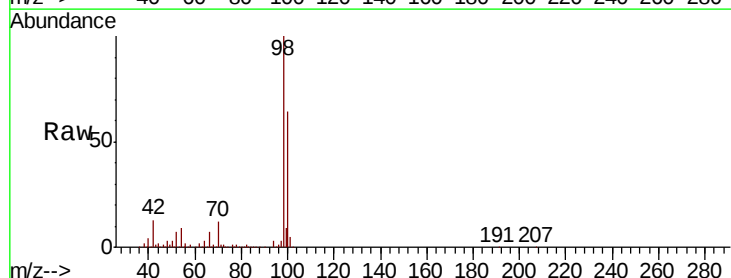


Abundance Ion 88.00 (87.70 to 88.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 58.00 (57.70 to 58.70): VN0

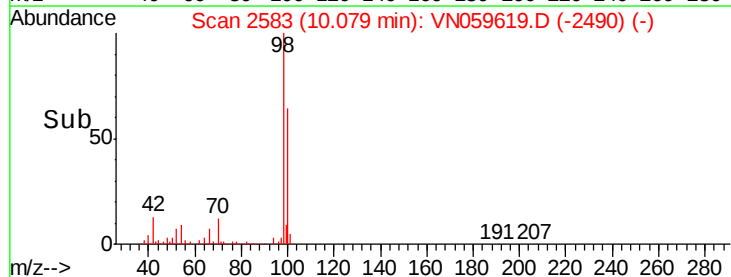
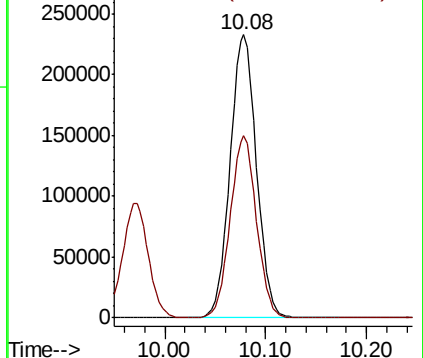


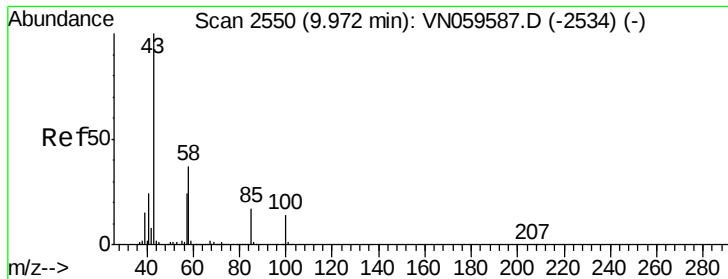
#50  
Toluene-d8  
Concen: 44.636 ug/l  
RT: 10.08 min Scan# 2583  
Delta R.T. 0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

Tgt Ion: 98 Resp: 424648  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0  
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 297.837 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

Instrument :

MSVOA\_N

ClientSampleId :

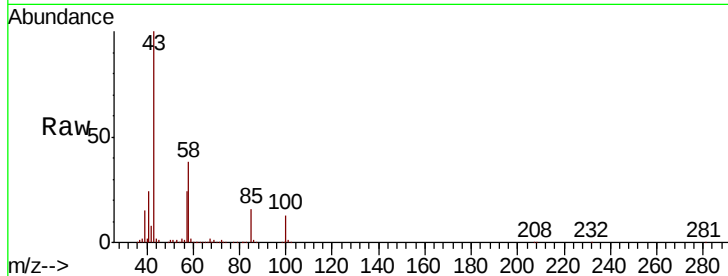
VSTDCCC050

Tot Ion: 43 Resp: 1285155

Ion Ratio Lower Upper

43 100

58 37.4 29.8 44.8



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

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

9.97

800000

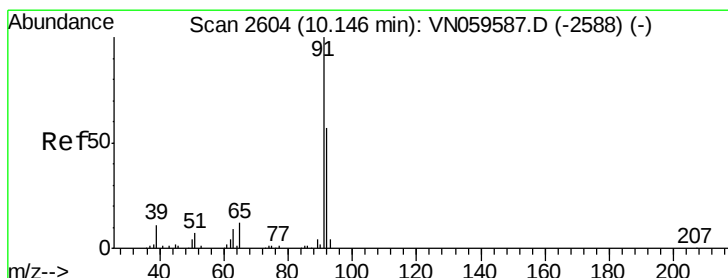
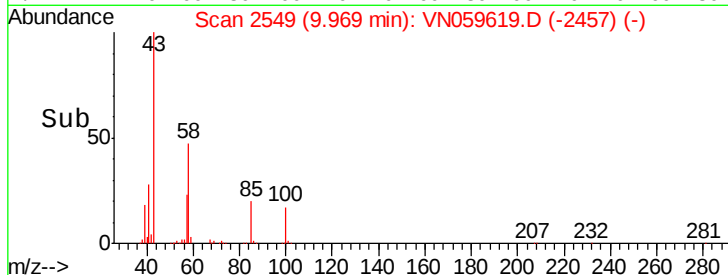
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 56.253 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059619.D

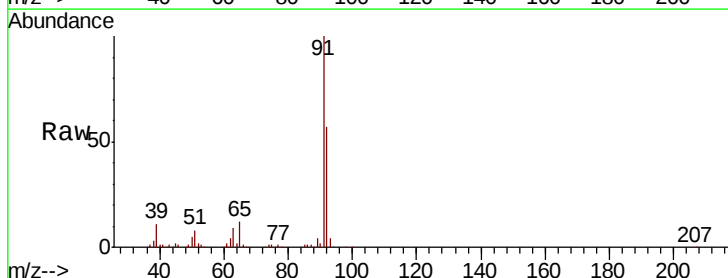
Acq: 17 Dec 2019 12:38

Tgt Ion: 92 Resp: 404542

Ion Ratio Lower Upper

92 100

91 175.0 140.4 210.6



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

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

10.14

400000

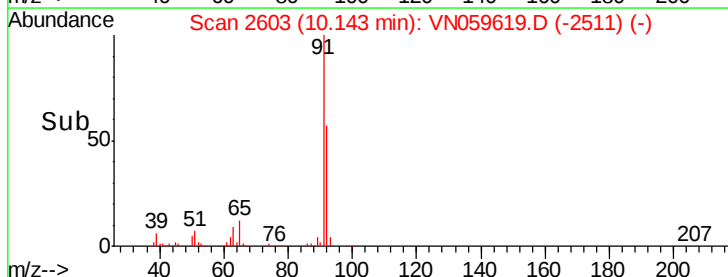
300000

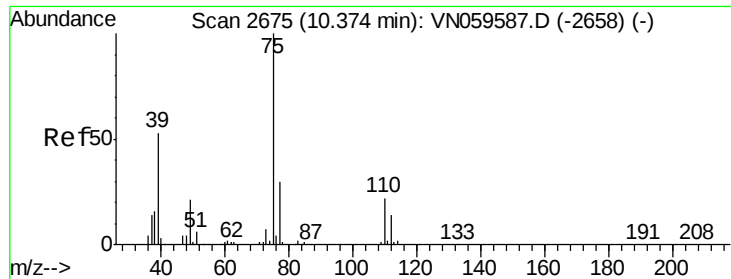
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 57.935 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

Instrument :

MSVOA\_N

ClientSampleId :

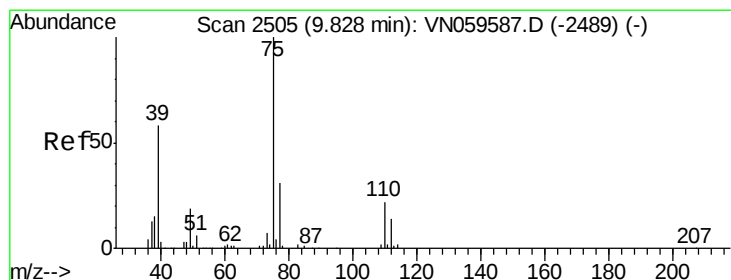
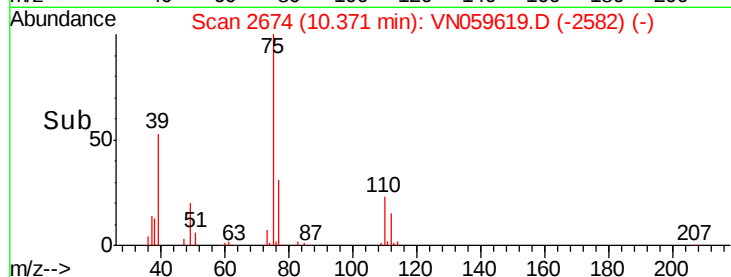
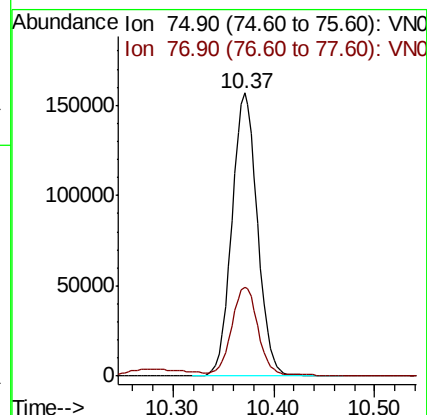
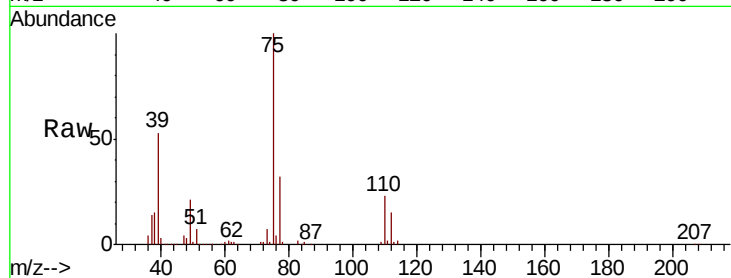
VSTDCCC050

Tot Ion: 75 Resp: 276616

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 58.497 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

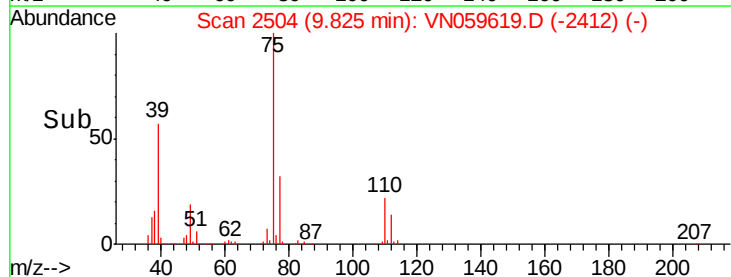
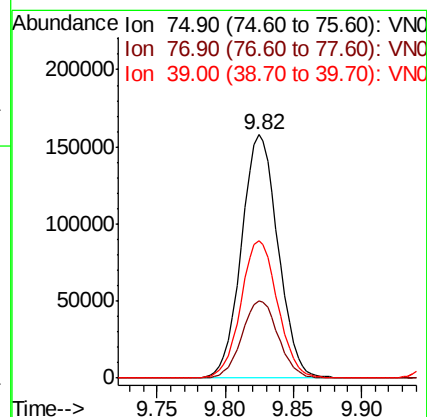
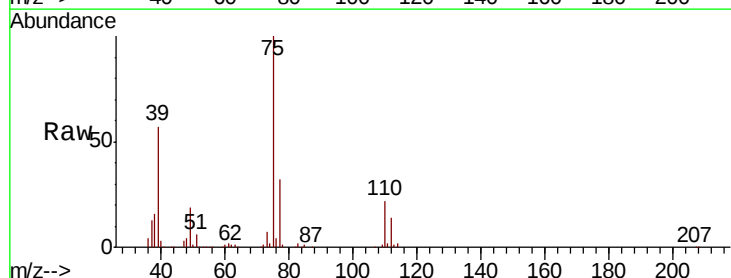
Tgt Ion: 75 Resp: 293586

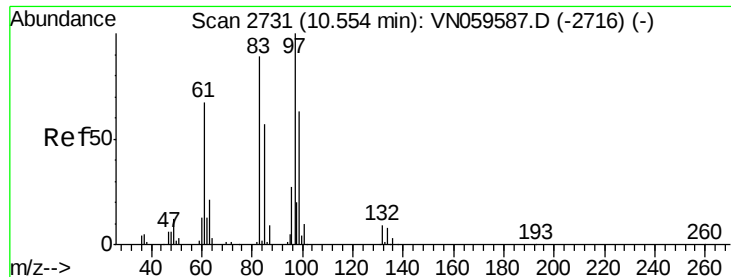
Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7

39 56.5 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 57.219 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 161470

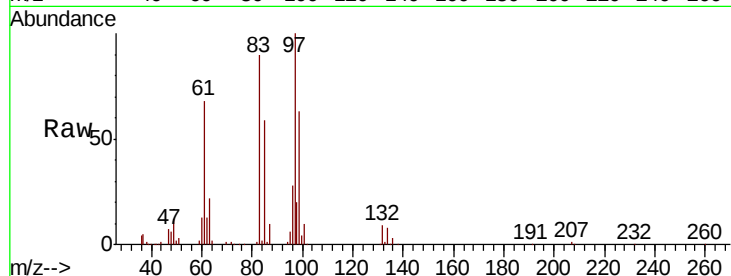
Ion Ratio Lower Upper

97 100

83 90.3 71.3 106.9

85 58.5 45.8 68.8

99 63.3 50.0 75.0

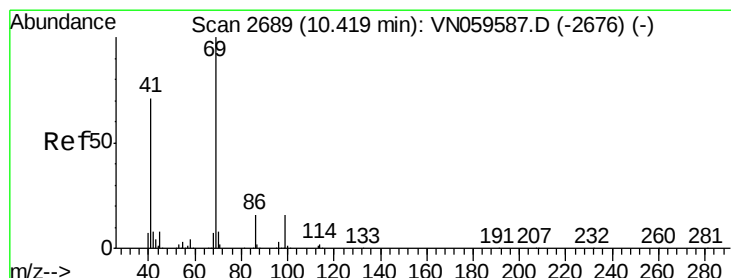
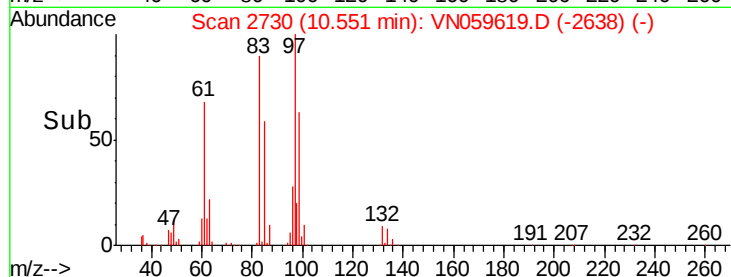
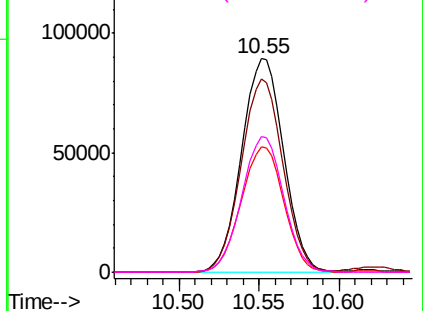


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 60.413 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

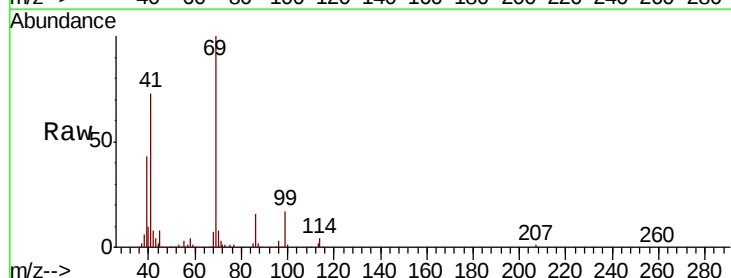
Tgt Ion: 69 Resp: 253089

Ion Ratio Lower Upper

69 100

41 72.0 57.1 85.7

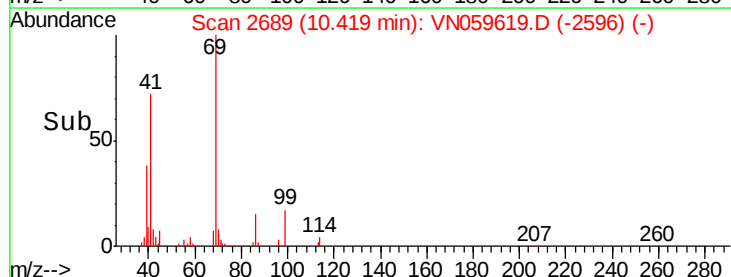
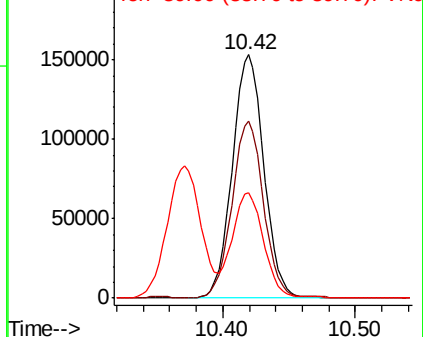
39 42.9 34.7 52.1

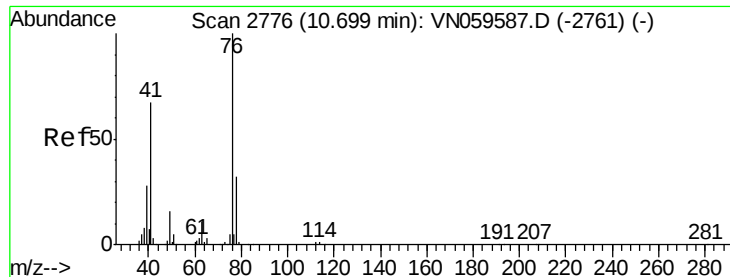


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 58.208 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

Instrument :

MSVOA\_N

ClientSampleId :

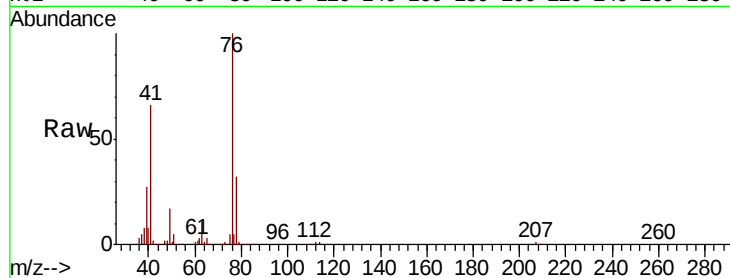
VSTDCCC050

Tot Ion: 76 Resp: 286002

Ion Ratio Lower Upper

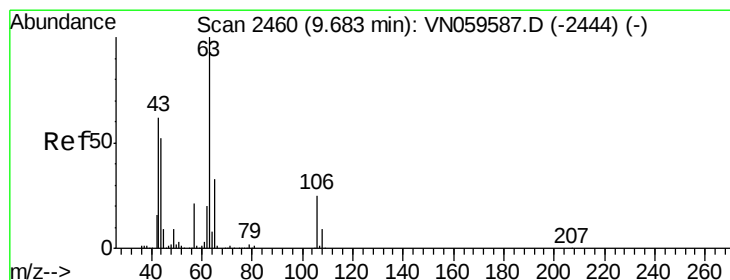
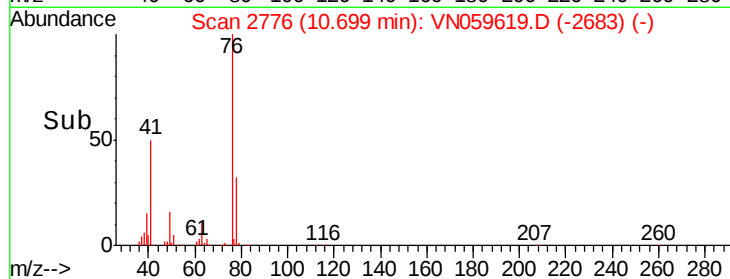
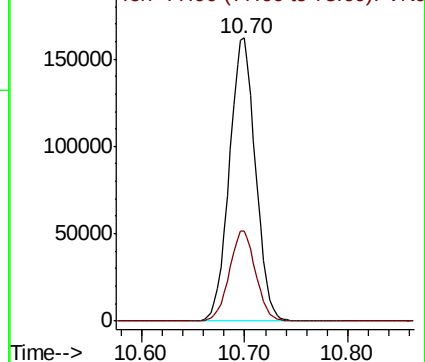
76 100

78 31.9 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 351.422 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059619.D

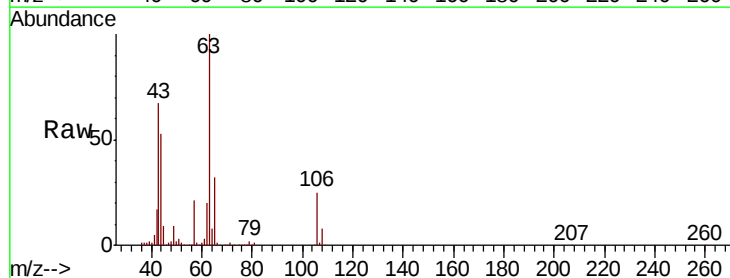
Acq: 17 Dec 2019 12:38

Tgt Ion: 63 Resp: 468226

Ion Ratio Lower Upper

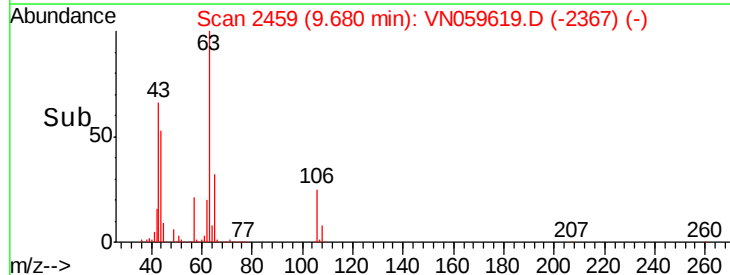
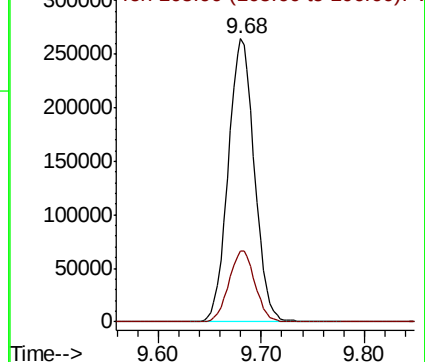
63 100

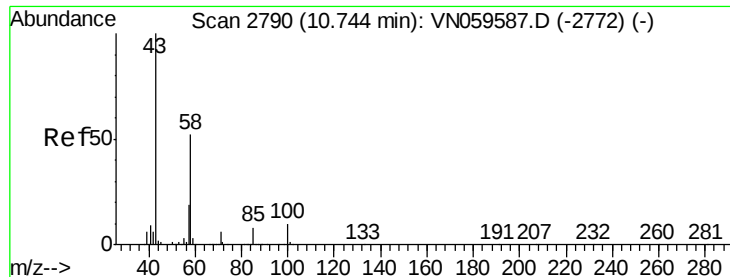
106 25.1 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

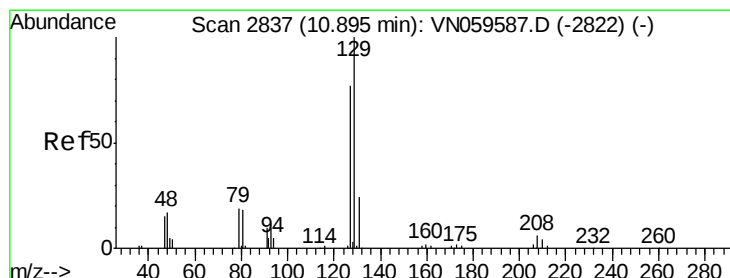
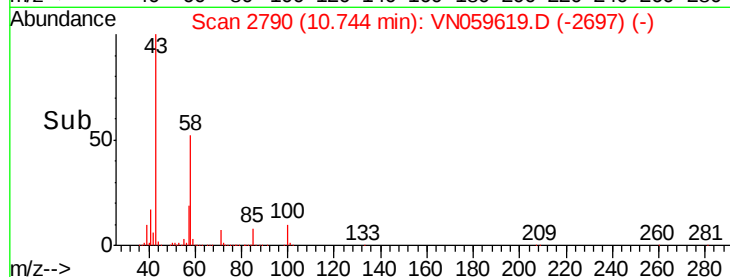
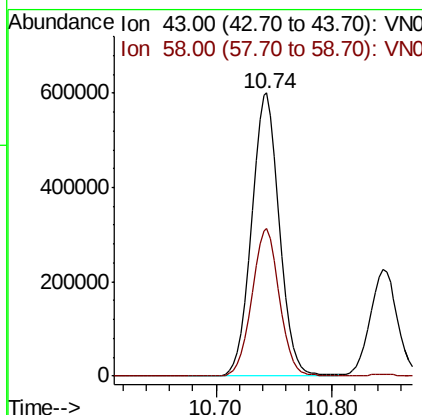
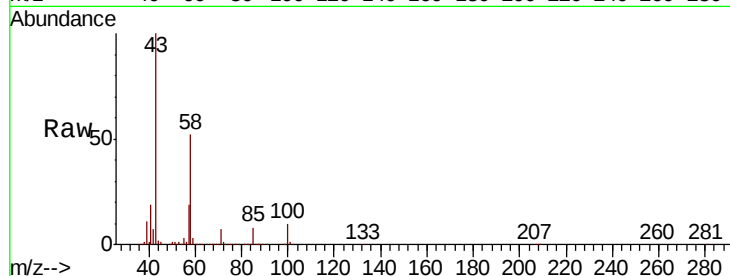




#59  
2-Hexanone  
Concen: 294.936 ug/l  
RT: 10.74 min Scan# 2790  
Delta R.T. 0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

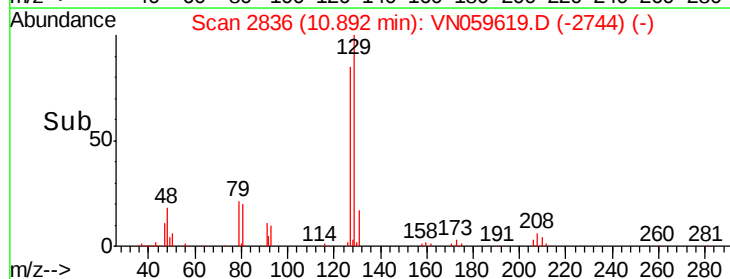
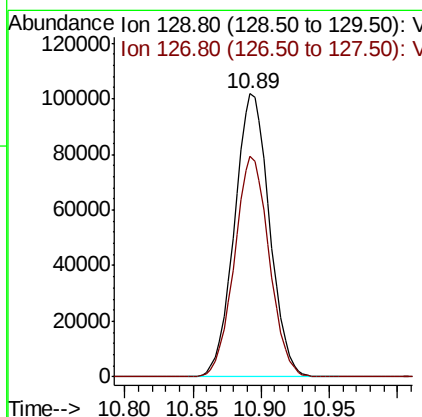
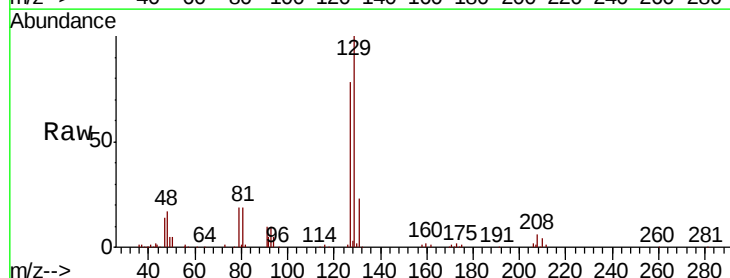
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

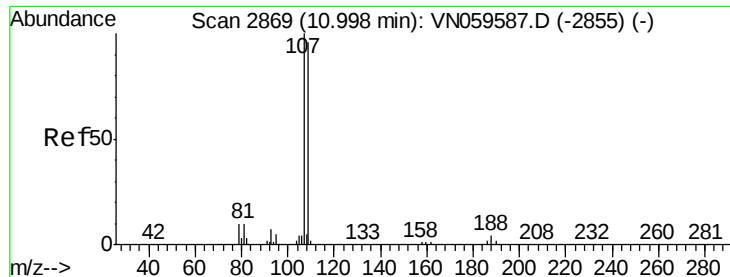
Tot Ion: 43 Resp: 1003006  
Ion Ratio Lower Upper  
43 100  
58 51.9 25.8 77.3



#60  
Dibromochloromethane  
Concen: 58.795 ug/l  
RT: 10.89 min Scan# 2836  
Delta R.T. -0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

Tgt Ion: 129 Resp: 181086  
Ion Ratio Lower Upper  
129 100  
127 77.3 38.5 115.5

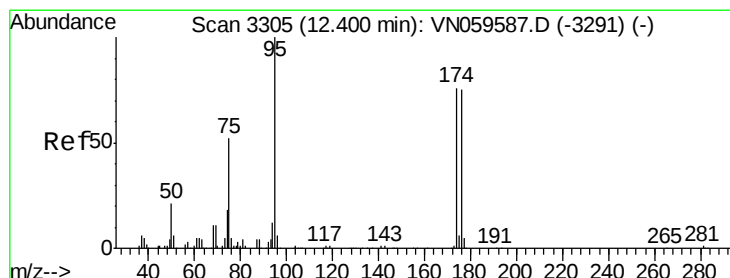
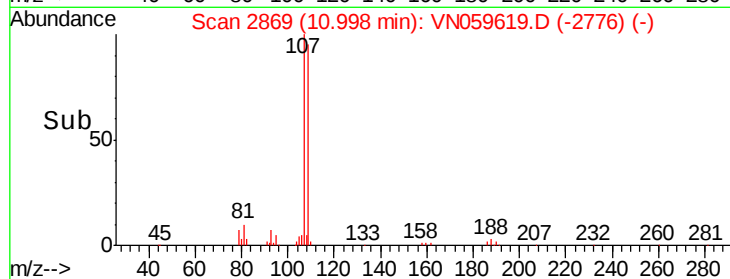
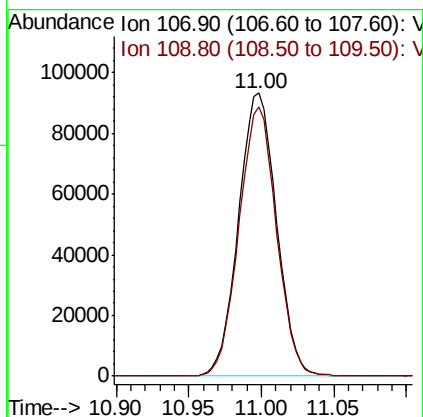
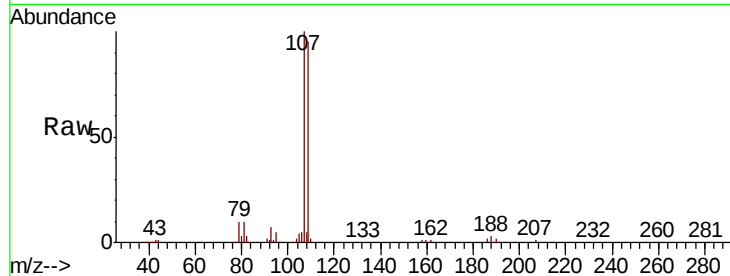




#61  
 1,2-Dibromoethane  
 Concen: 56.669 ug/l  
 RT: 11.00 min Scan# 2869  
 Delta R.T. 0.00 min  
 Lab File: VN059619.D  
 Acq: 17 Dec 2019 12:38

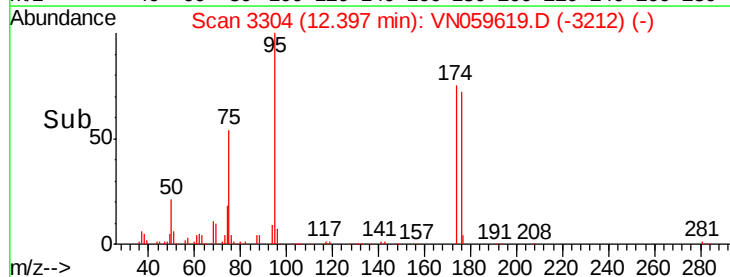
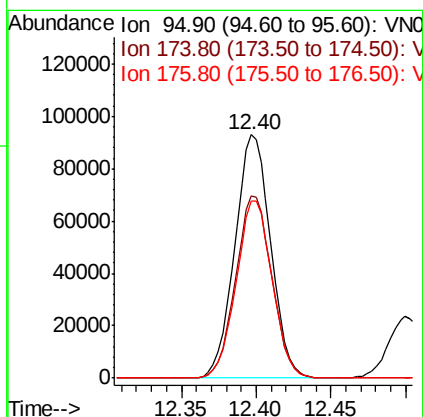
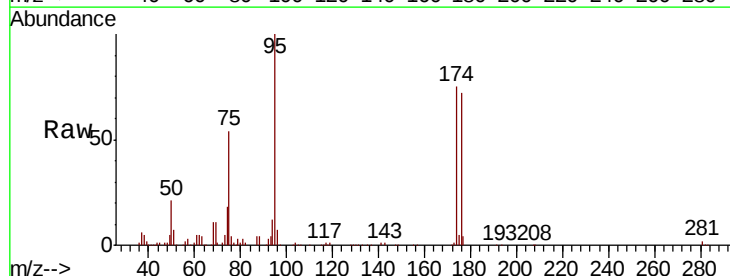
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

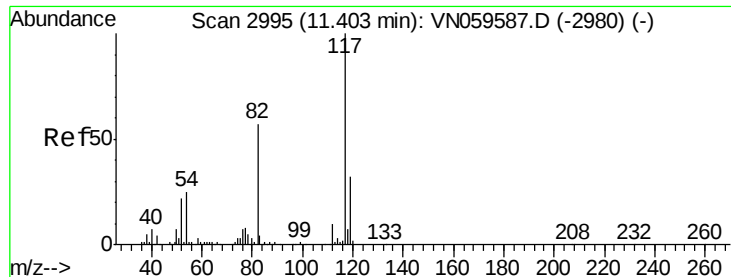
Tot Ion: 107 Resp: 169601  
 Ion Ratio Lower Upper  
 107 100  
 109 94.3 76.6 115.0



#62  
 4-Bromofluorobenzene  
 Concen: 44.506 ug/l  
 RT: 12.40 min Scan# 3304  
 Delta R.T. -0.00 min  
 Lab File: VN059619.D  
 Acq: 17 Dec 2019 12:38

Tgt Ion: 95 Resp: 154499  
 Ion Ratio Lower Upper  
 95 100  
 174 75.7 0.0 151.4  
 176 73.3 0.0 146.0

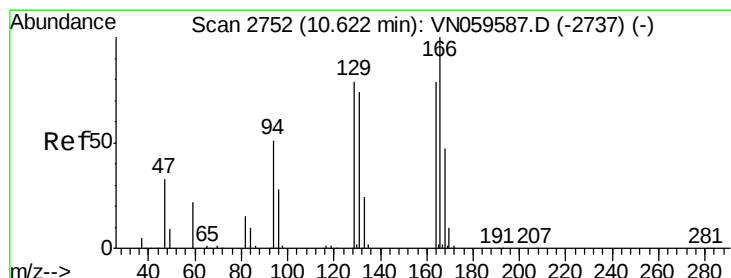
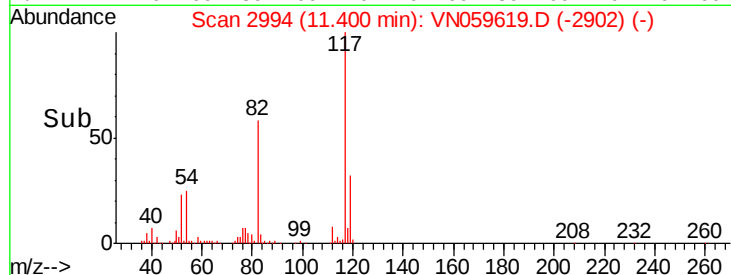
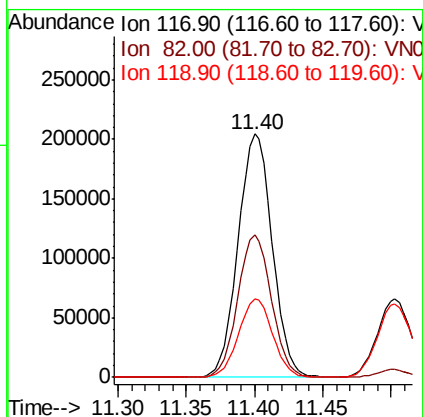
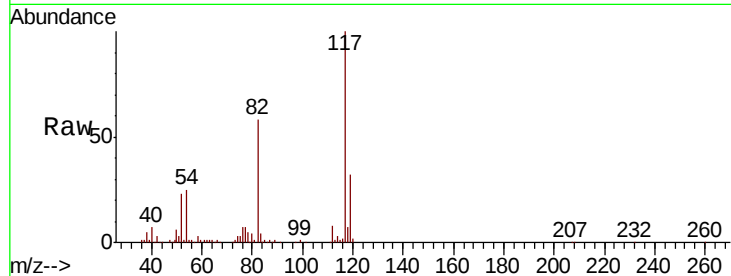




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. -0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

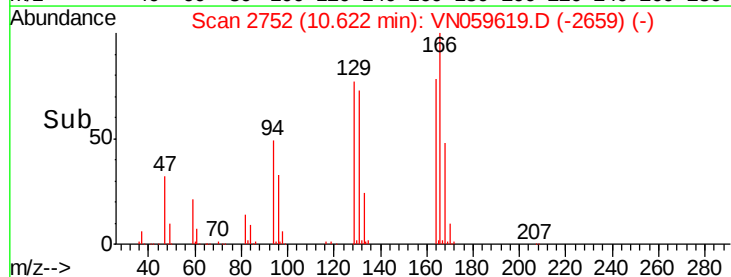
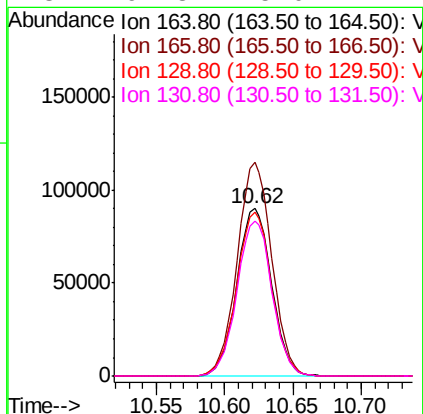
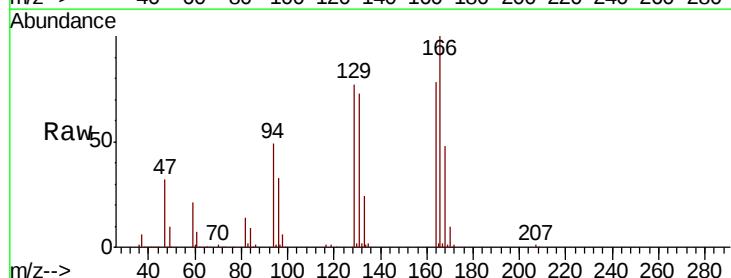
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:117 Resp: 355345  
Ion Ratio Lower Upper  
117 100  
82 58.4 45.9 68.9  
119 32.2 25.5 38.3



#64  
Tetrachloroethene  
Concen: 48.139 ug/l  
RT: 10.62 min Scan# 2752  
Delta R.T. 0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

Tgt Ion:164 Resp: 159462  
Ion Ratio Lower Upper  
164 100  
166 127.5 101.4 152.0  
129 97.7 80.2 120.4  
131 92.8 75.0 112.4





#65

Chlorobenzene

Concen: 56.036 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

Instrument :

MSVOA\_N

ClientSampleId :

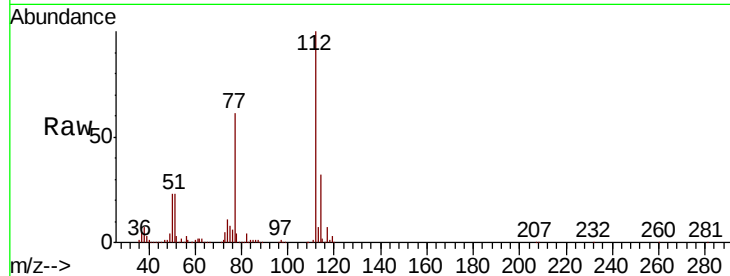
VSTDCCC050

Tot Ion:112 Resp: 430846

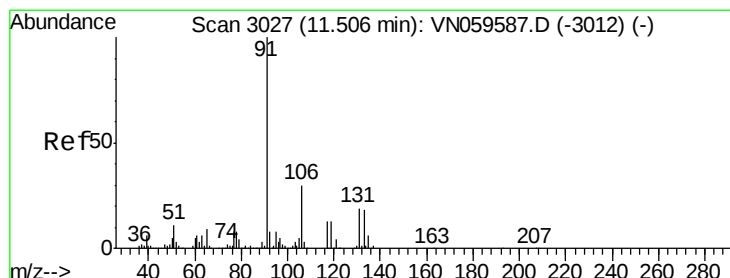
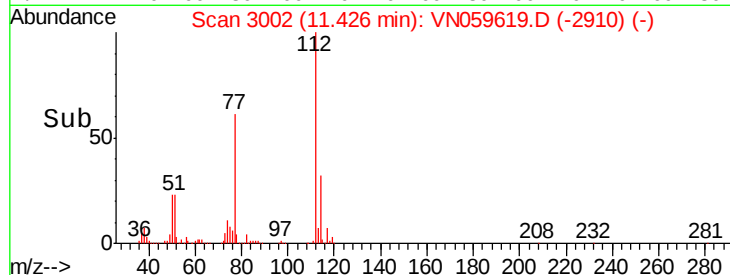
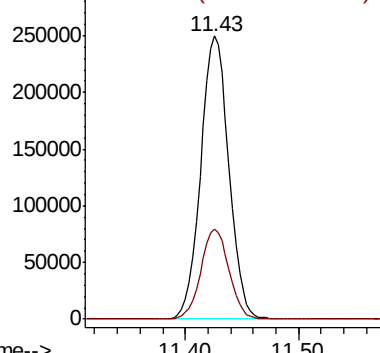
Ion Ratio Lower Upper

112 100

114 31.6 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.465 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

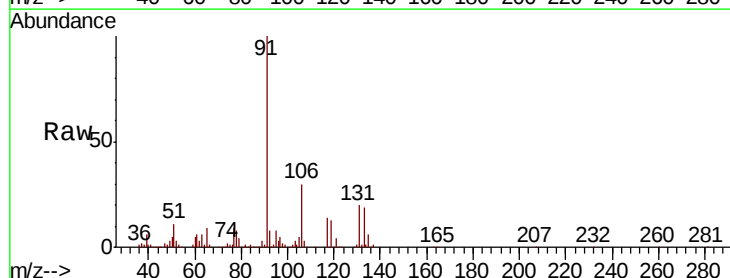
Tgt Ion:131 Resp: 161984

Ion Ratio Lower Upper

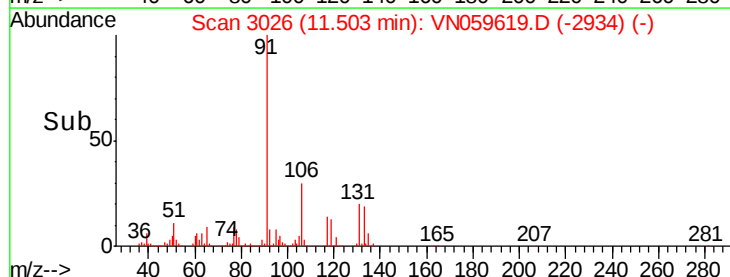
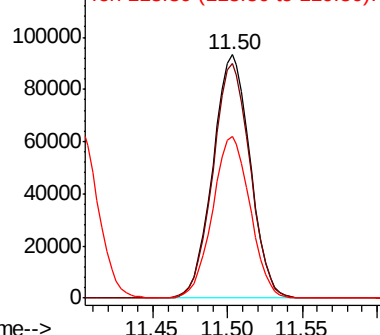
131 100

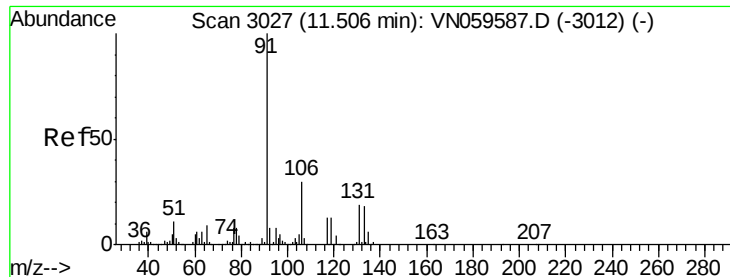
133 96.6 47.4 142.2

119 66.9 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V





#67

Ethyl Benzene

Concen: 57.291 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

Instrument :

MSVOA\_N

ClientSampleId :

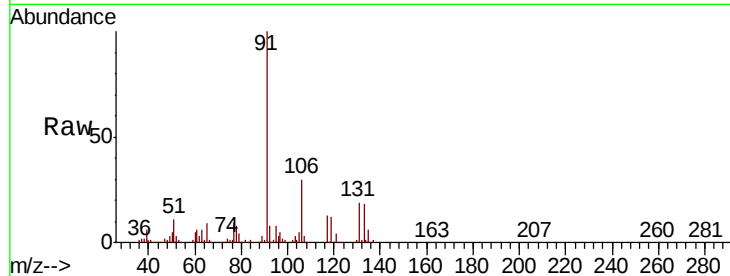
VSTDCCC050

Tot Ion: 91 Resp: 795119

Ion Ratio Lower Upper

91 100

106 30.4 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN059587.D (-3012) (-)

600000

400000

200000

0

11.51

11.50

11.49

11.48

11.47

11.46

11.45

11.44

11.43

11.42

11.41

11.40

11.39

11.38

11.37

11.36

11.35

11.34

11.33

11.32

11.31

11.30

11.29

11.28

11.27

11.26

11.25

11.24

11.23

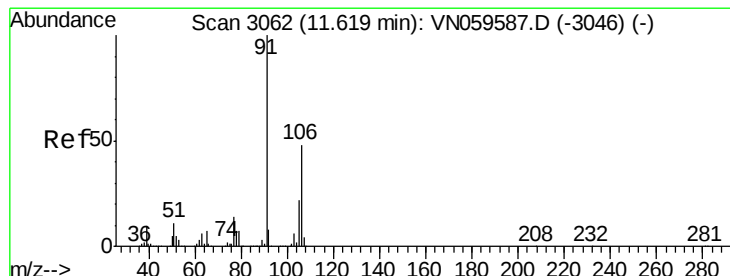
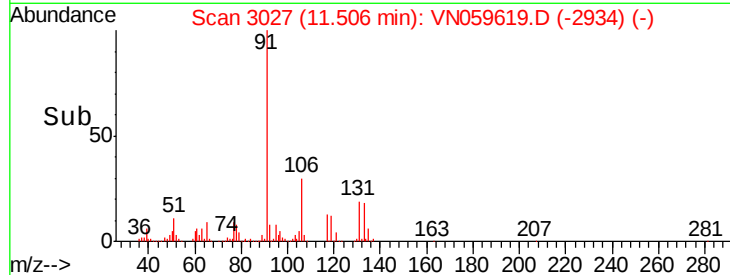
11.22

11.21

11.20

11.19

11.18



#68

m/p-Xylenes

Concen: 115.603 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059619.D

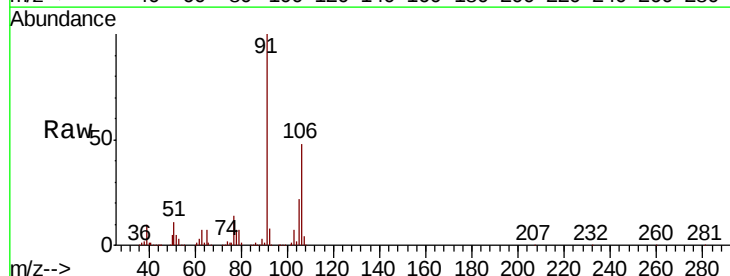
Acq: 17 Dec 2019 12:38

Tgt Ion: 106 Resp: 592458

Ion Ratio Lower Upper

106 100

91 208.1 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059587.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN059587.D (-3046) (-)

600000

400000

200000

0

11.62

11.61

11.60

11.59

11.58

11.57

11.56

11.55

11.54

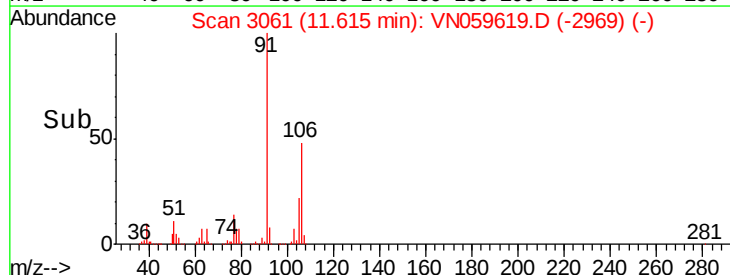
11.53

11.52

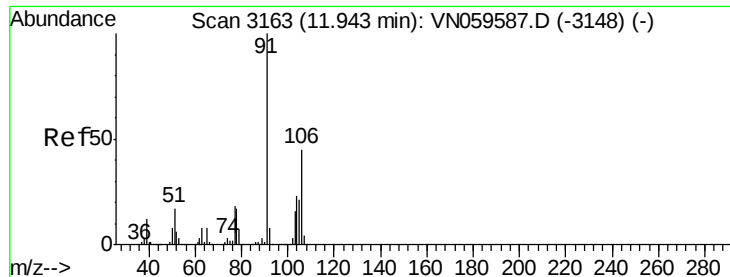
11.51

11.50

11.49



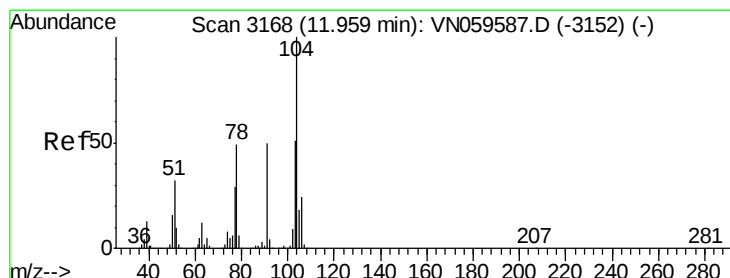
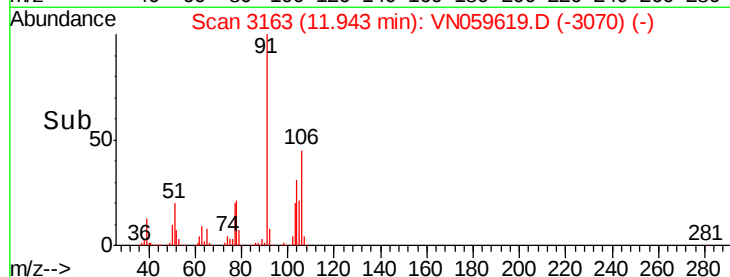
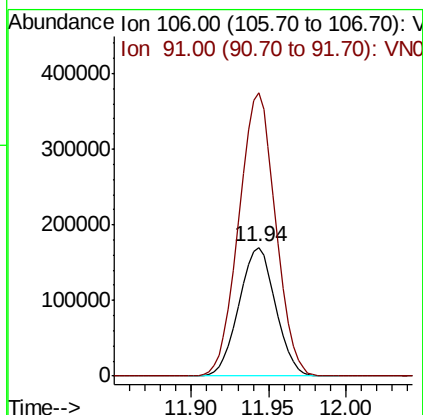
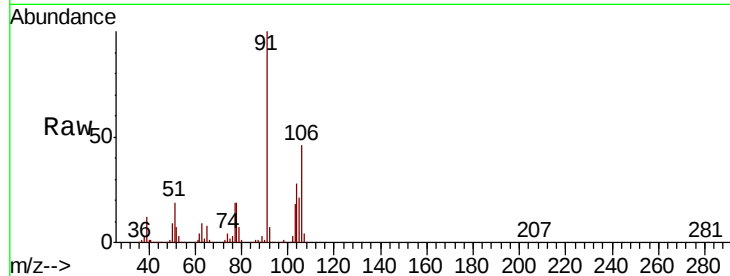
Time--> 11.50 11.51 11.52 11.53 11.54 11.55 11.56 11.57 11.58 11.59 11.60 11.61 11.62 11.63 11.64 11.65 11.66 11.67 11.68 11.69 11.70



#69  
o-Xylene  
Concen: 57.746 ug/l  
RT: 11.94 min Scan# 3163  
Delta R.T. 0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

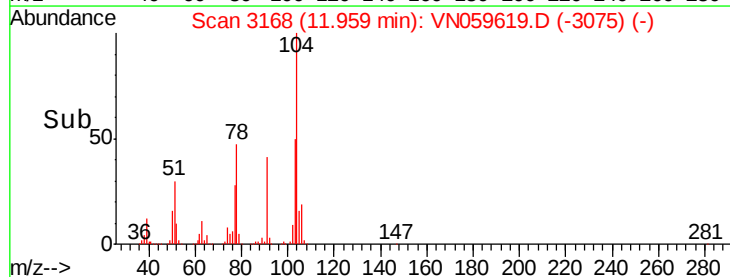
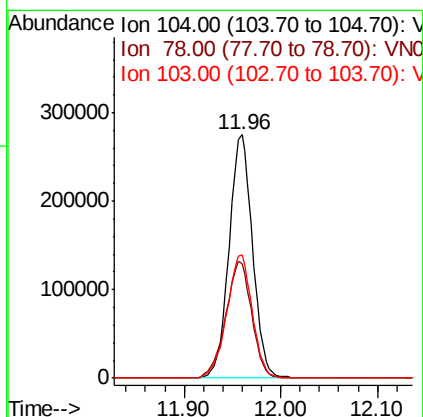
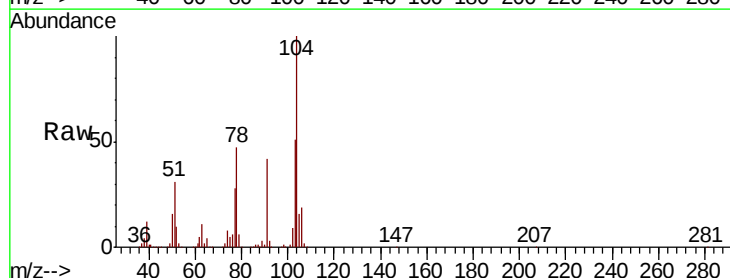
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

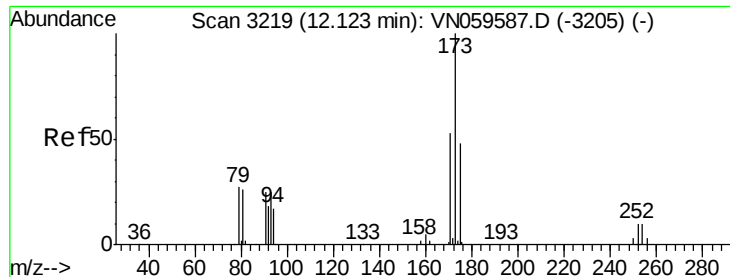
Tot Ion:106 Resp: 281593  
Ion Ratio Lower Upper  
106 100  
91 220.1 110.3 330.9



#70  
Styrene  
Concen: 59.145 ug/l  
RT: 11.96 min Scan# 3168  
Delta R.T. 0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

Tgt Ion:104 Resp: 463390  
Ion Ratio Lower Upper  
104 100  
78 53.0 42.4 63.6  
103 55.0 43.9 65.9

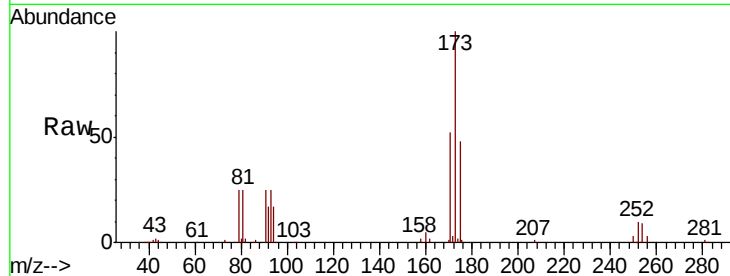




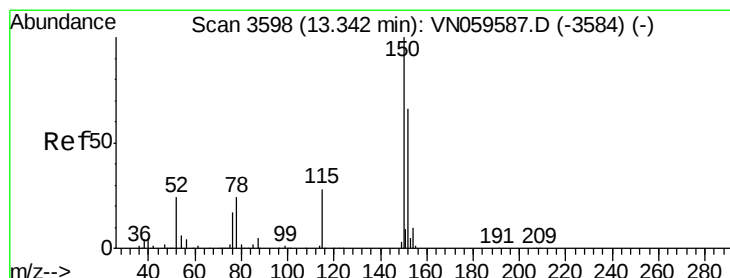
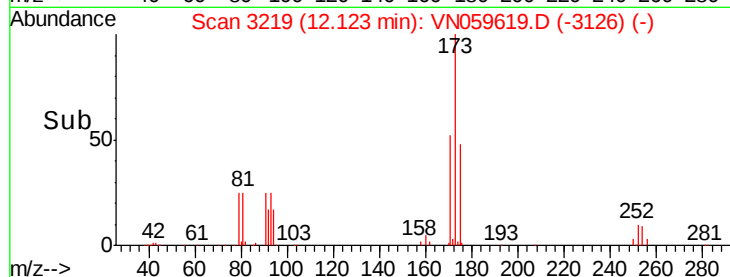
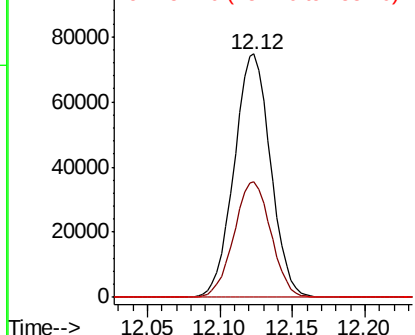
#71  
Bromoform  
Concen: 59.335 ug/l  
RT: 12.12 min Scan# 3219  
Delta R.T. 0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:173 Resp: 130258  
Ion Ratio Lower Upper  
173 100  
175 48.1 23.8 71.4  
254 0.0 0.0 0.0

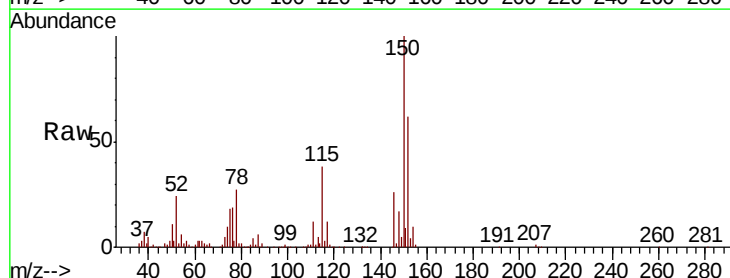


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

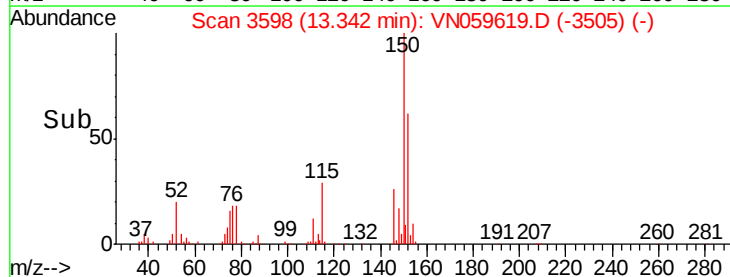
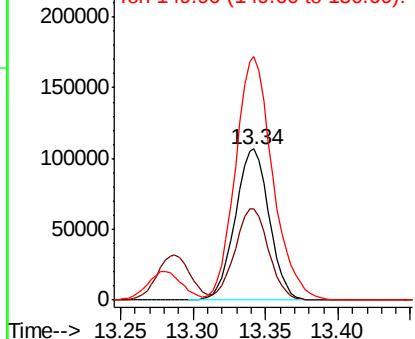


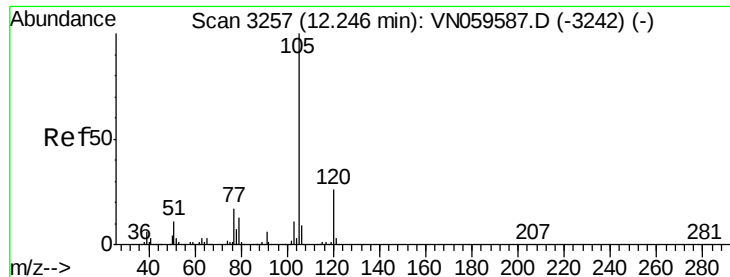
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

Tgt Ion:152 Resp: 173799  
Ion Ratio Lower Upper  
152 100  
115 60.5 30.3 90.9  
150 176.7 0.0 345.2



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





#73

Isopropylbenzene

Concen: 55.504 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

Instrument :

MSVOA\_N

ClientSampleId :

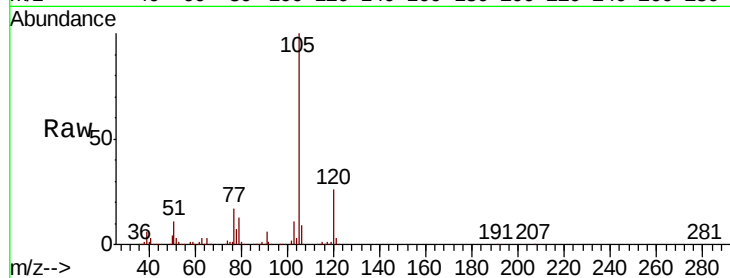
VSTDCCC050

Tot Ion:105 Resp: 757262

Ion Ratio Lower Upper

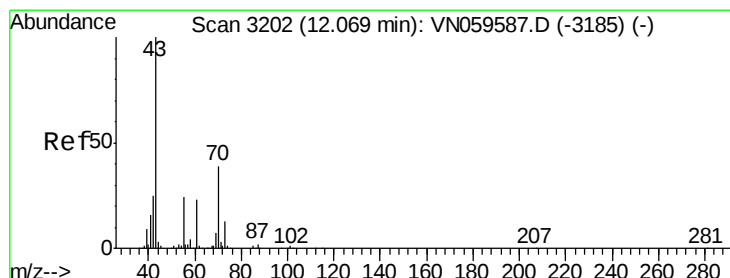
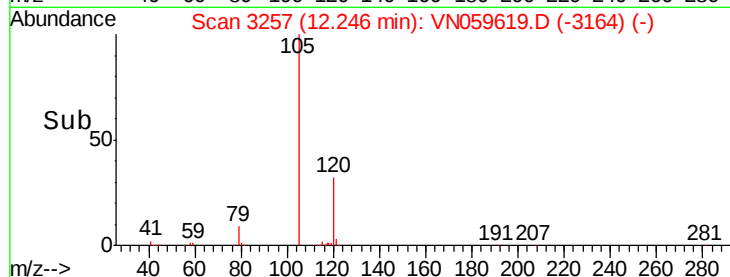
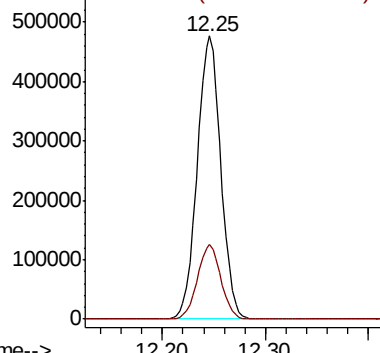
105 100

120 26.1 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 57.180 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

Tgt Ion: 43 Resp: 357844

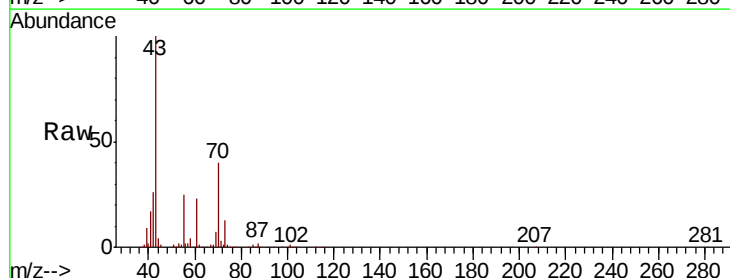
Ion Ratio Lower Upper

43 100

70 39.3 31.3 46.9

55 25.0 19.8 29.6

61 22.8 18.3 27.5

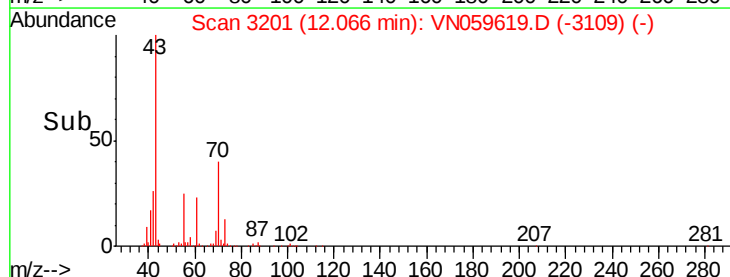
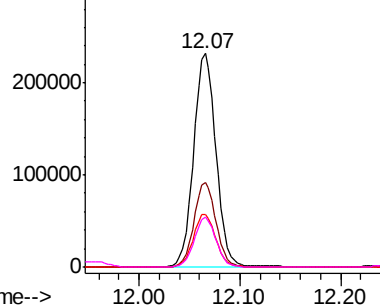


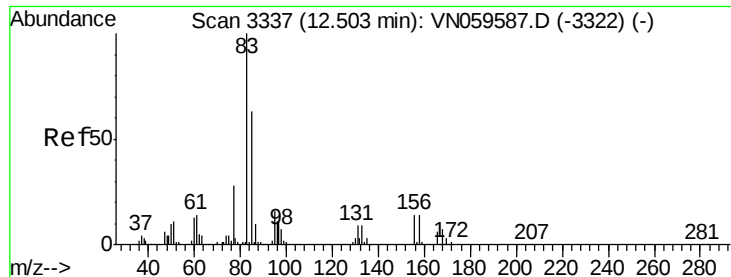
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 54.831 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

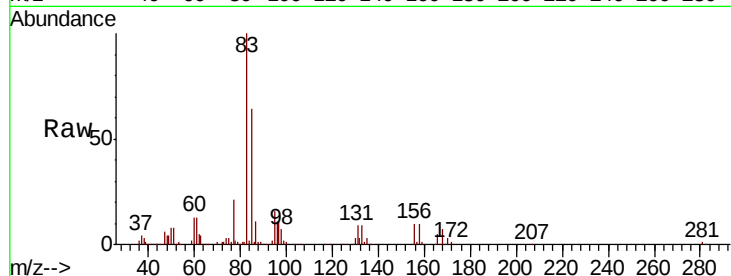
Tot Ion: 83 Resp: 237298

Ion Ratio Lower Upper

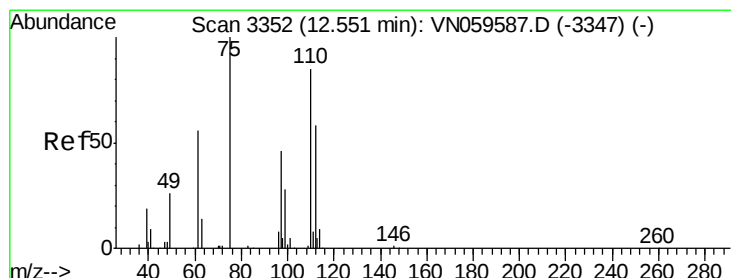
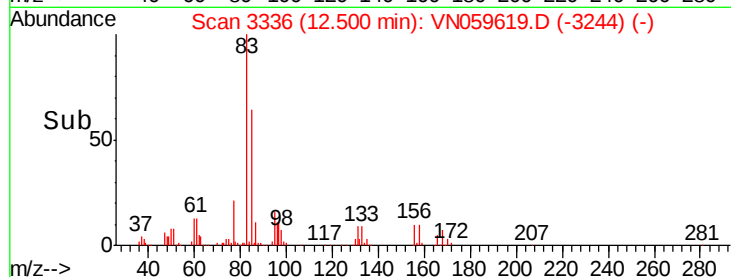
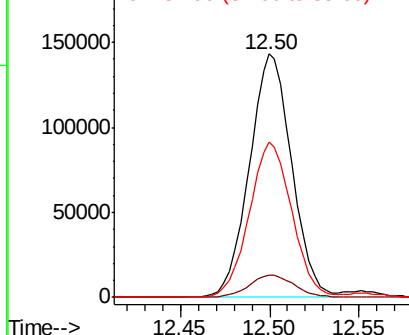
83 100

131 9.7 5.0 14.9

85 64.1 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VNC  
Ion 130.80 (130.50 to 131.50): VNC  
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 81.325 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN059619.D

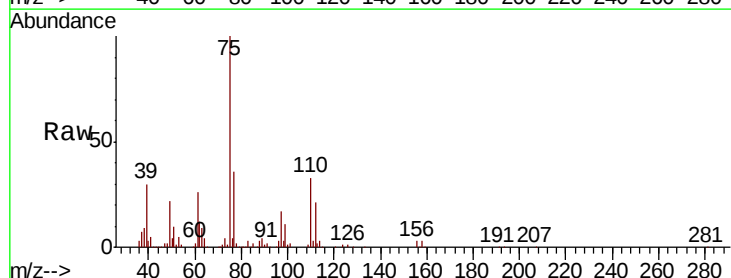
Acq: 17 Dec 2019 12:38

Tgt Ion: 75 Resp: 349901

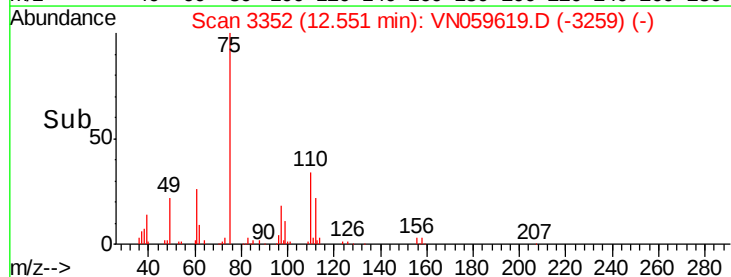
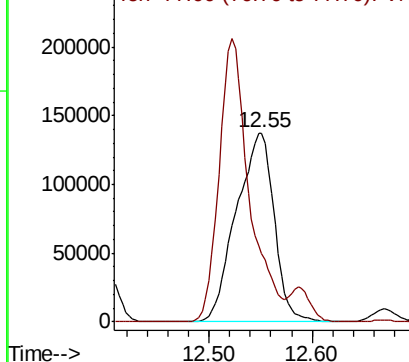
Ion Ratio Lower Upper

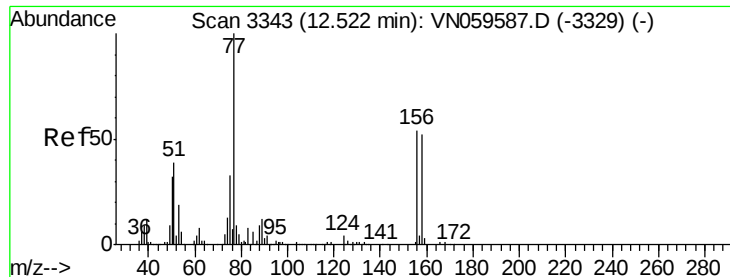
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC  
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 54.375 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

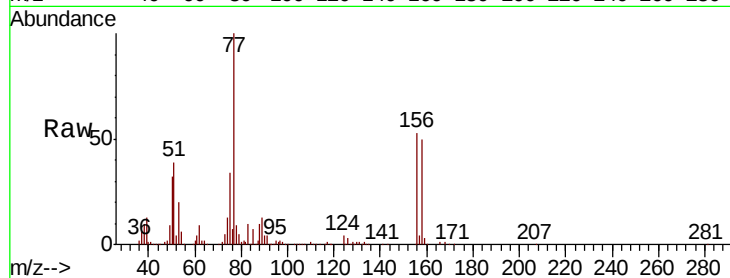
Tot Ion:156 Resp: 182438

Ion Ratio Lower Upper

156 100

77 231.0 115.8 347.4

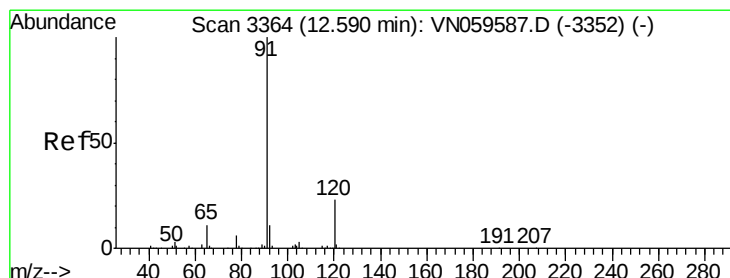
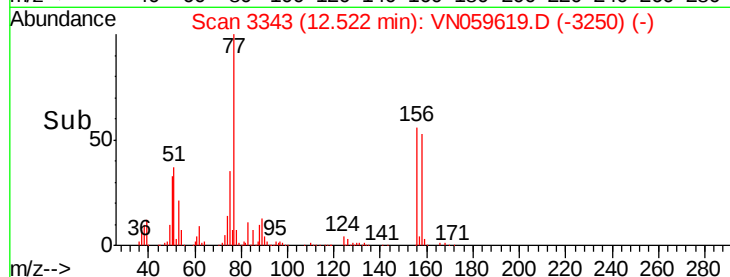
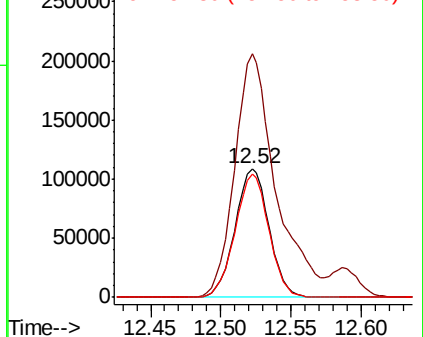
158 95.5 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.656 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059619.D

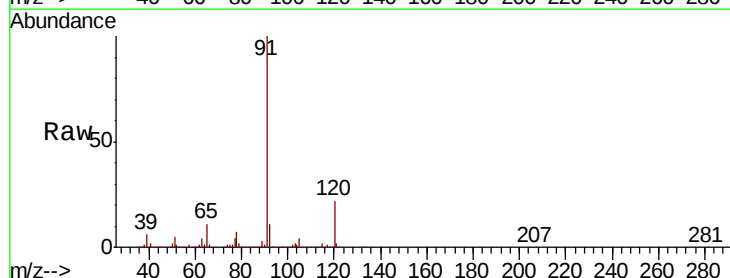
Acq: 17 Dec 2019 12:38

Tgt Ion: 91 Resp: 913714

Ion Ratio Lower Upper

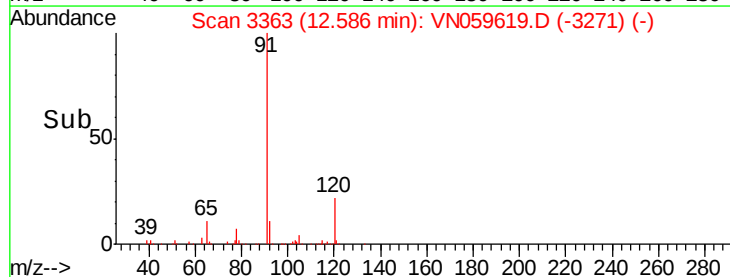
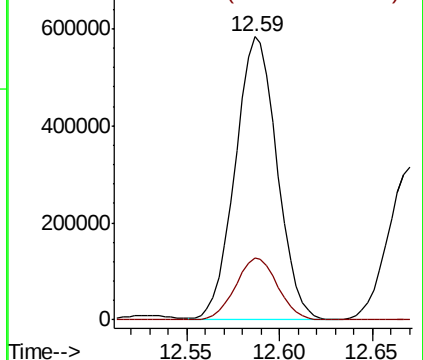
91 100

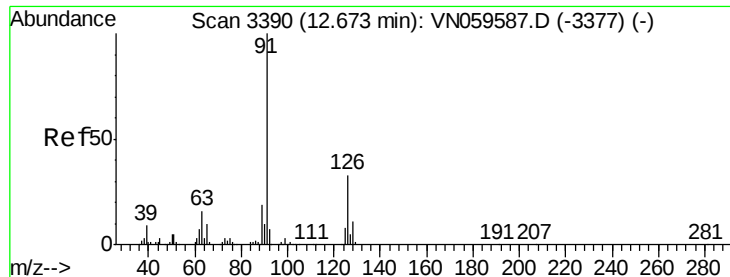
120 22.0 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

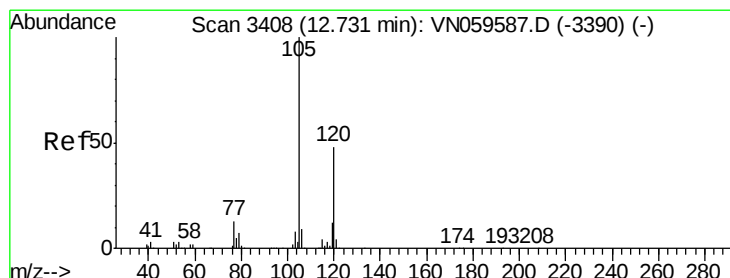
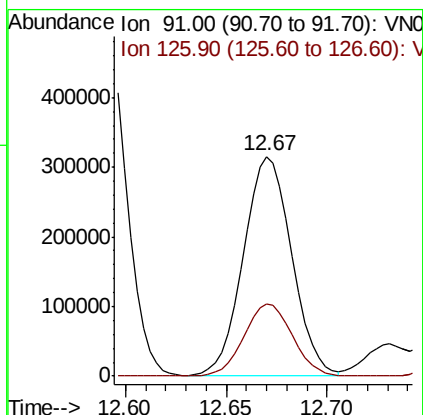
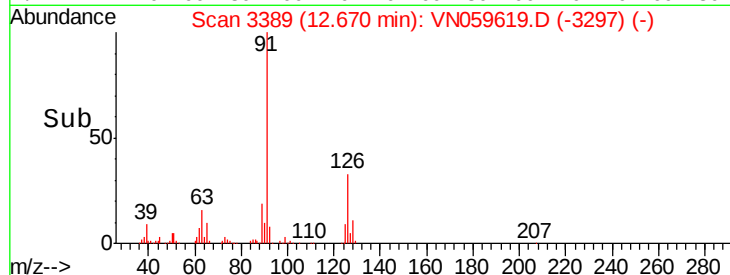
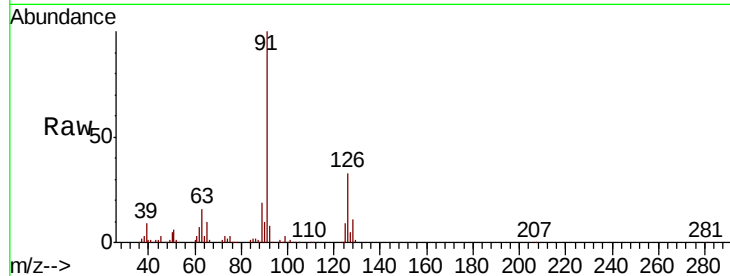




#79  
 2-Chlorotoluene  
 Concen: 54.292 ug/l  
 RT: 12.67 min Scan# 3389  
 Delta R.T. -0.00 min  
 Lab File: VN059619.D  
 Acq: 17 Dec 2019 12:38

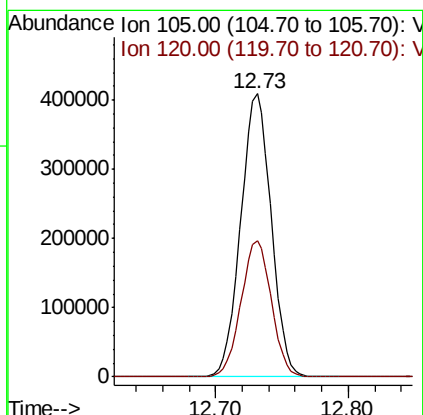
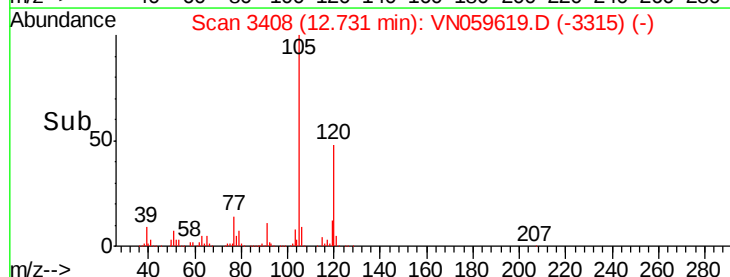
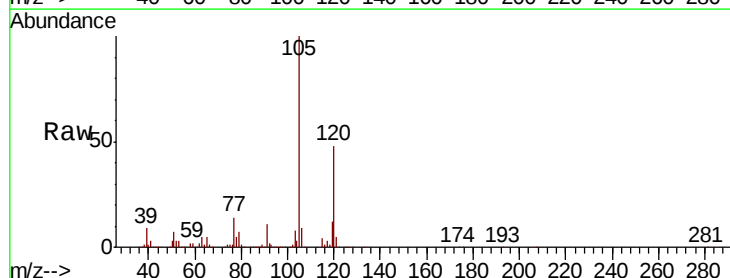
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

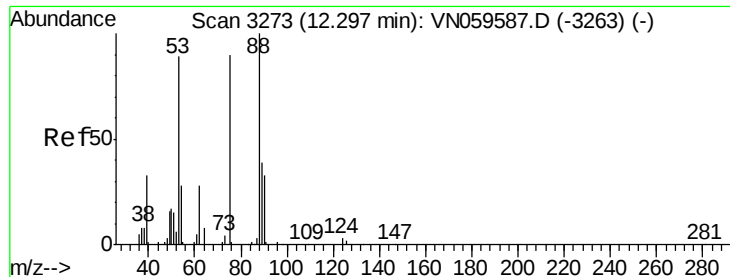
Tot Ion: 91 Resp: 529458  
 Ion Ratio Lower Upper  
 91 100  
 126 33.1 16.3 48.9



#80  
 1,3,5-Trimethylbenzene  
 Concen: 56.323 ug/l  
 RT: 12.73 min Scan# 3408  
 Delta R.T. 0.00 min  
 Lab File: VN059619.D  
 Acq: 17 Dec 2019 12:38

Tgt Ion: 105 Resp: 650282  
 Ion Ratio Lower Upper  
 105 100  
 120 48.1 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 55.082 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

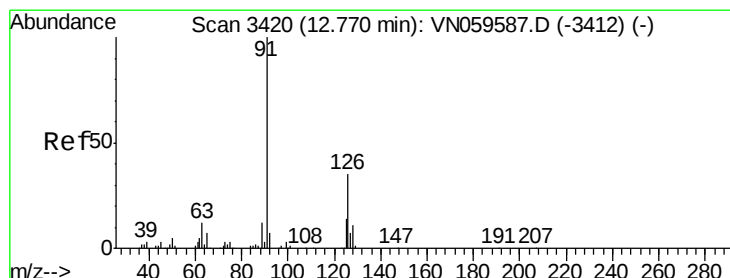
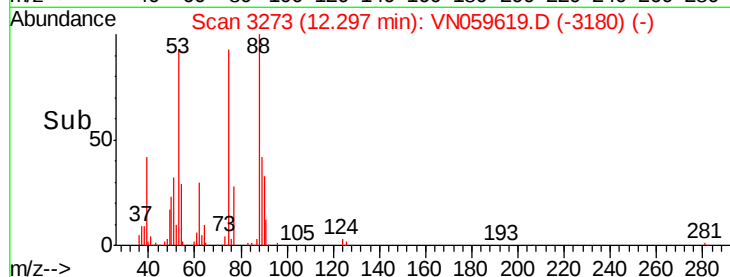
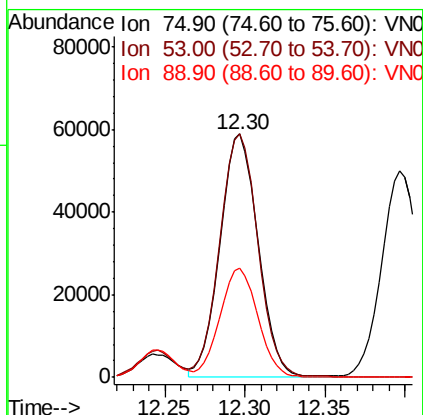
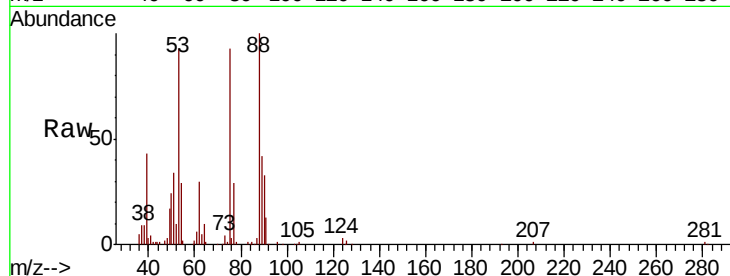
Tot Ion: 75 Resp: 95951

Ion Ratio Lower Upper

75 100

53 100.4 78.1 117.1

89 44.6 35.4 53.2



#82

4-Chlorotoluene

Concen: 56.246 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059619.D

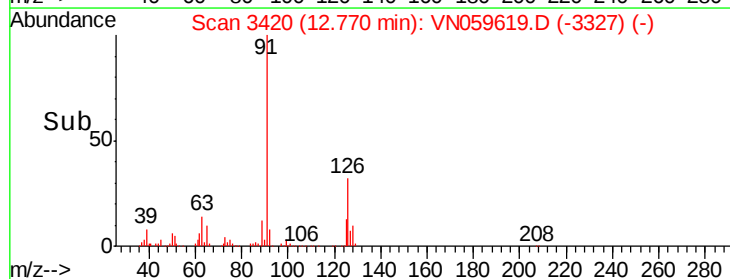
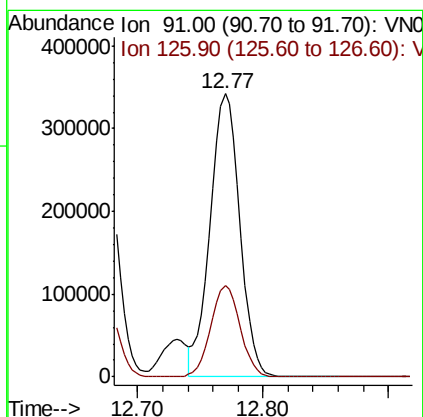
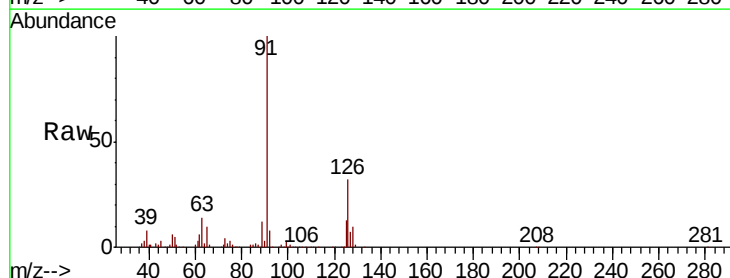
Acq: 17 Dec 2019 12:38

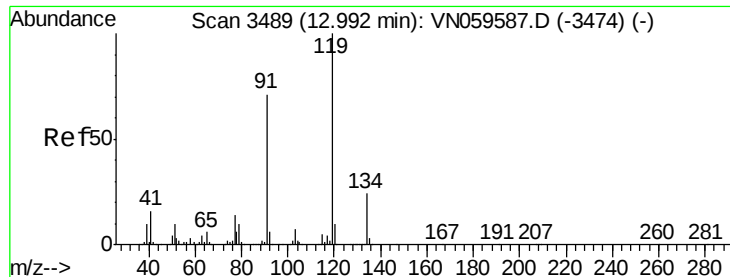
Tgt Ion: 91 Resp: 561612

Ion Ratio Lower Upper

91 100

126 31.9 16.3 48.8

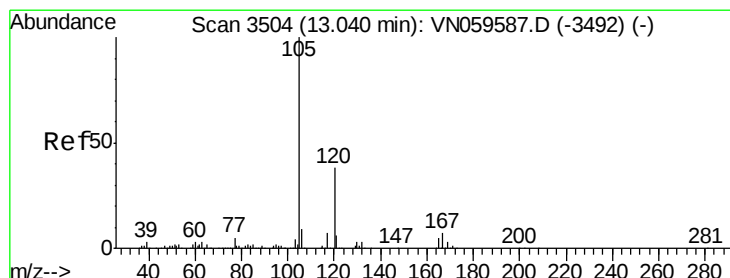
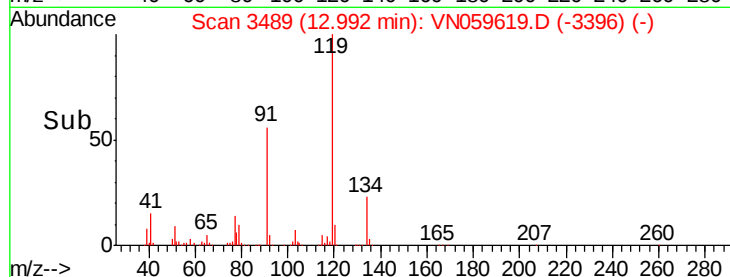
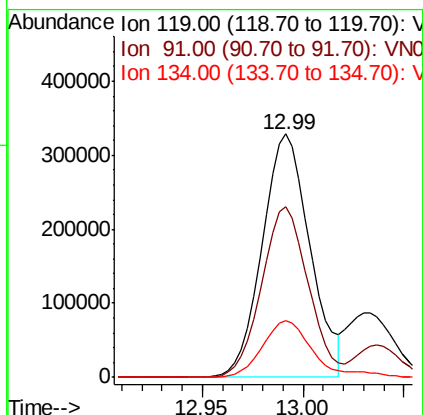
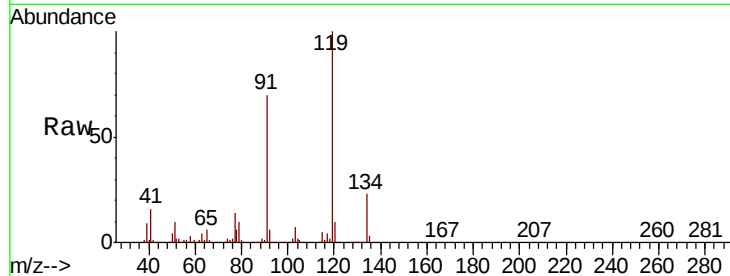




#83  
tert-Butylbenzene  
Concen: 55.388 ug/l  
RT: 12.99 min Scan# 3489  
Delta R.T. 0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

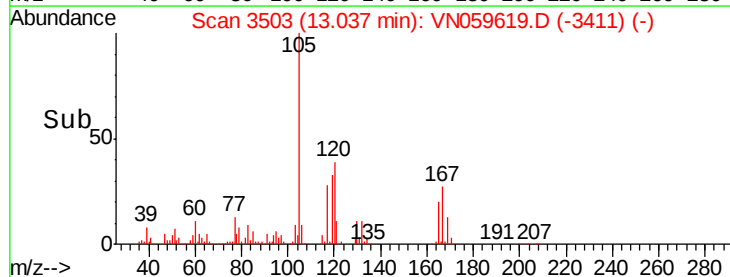
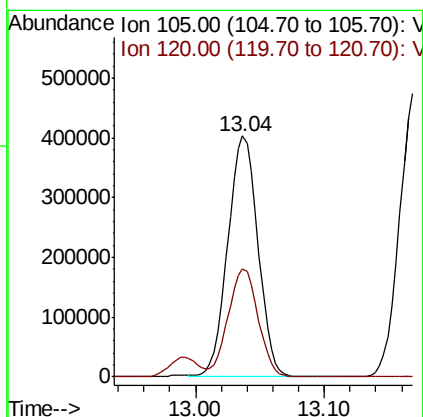
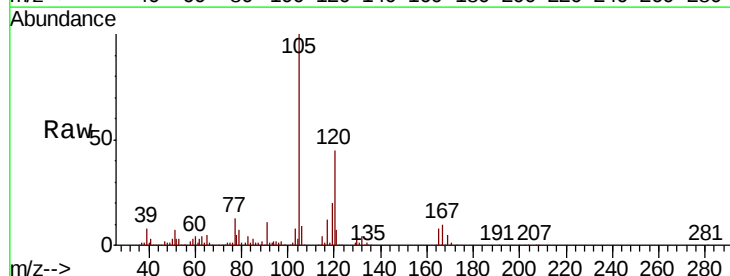
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

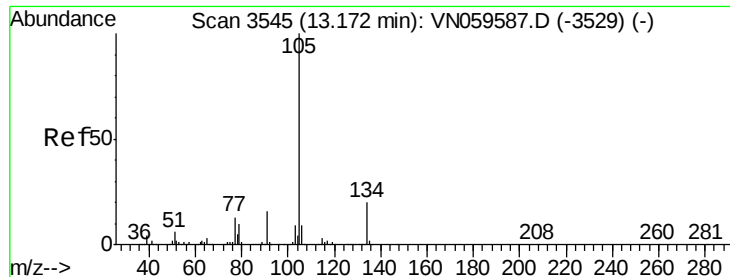
Tot Ion:119 Resp: 541558  
Ion Ratio Lower Upper  
119 100  
91 68.6 34.8 104.4  
134 24.8 12.3 36.9



#84  
1,2,4-Trimethylbenzene  
Concen: 56.852 ug/l  
RT: 13.04 min Scan# 3503  
Delta R.T. -0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

Tgt Ion:105 Resp: 652684  
Ion Ratio Lower Upper  
105 100  
120 44.9 22.3 66.9





#85

sec-Butylbenzene

Concen: 57.156 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

Instrument :

MSVOA\_N

ClientSampleId :

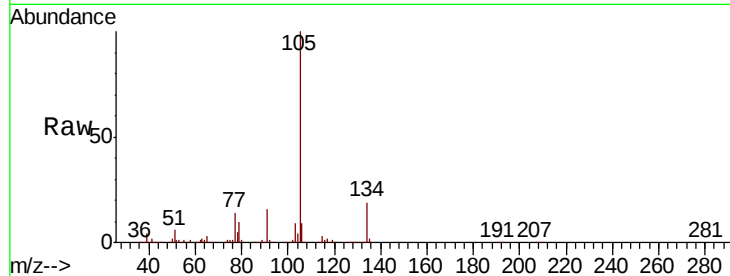
VSTDCCC050

Tot Ion:105 Resp: 743378

Ion Ratio Lower Upper

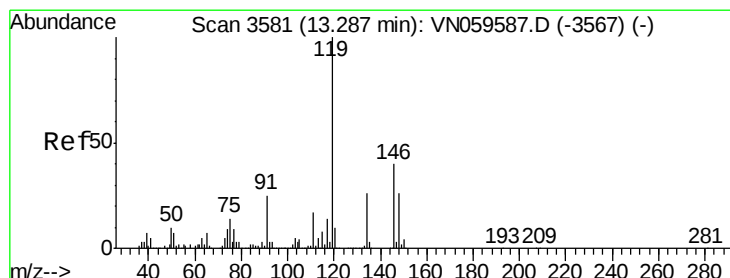
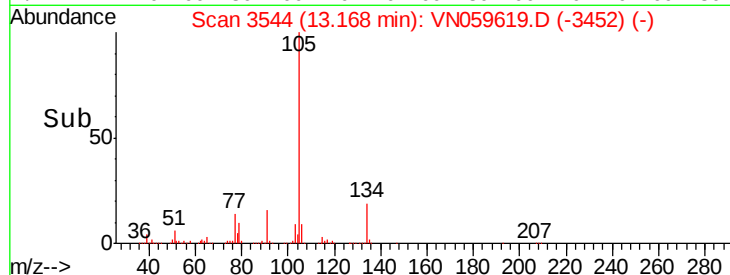
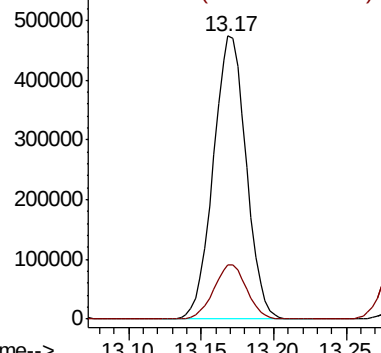
105 100

134 19.4 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.345 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

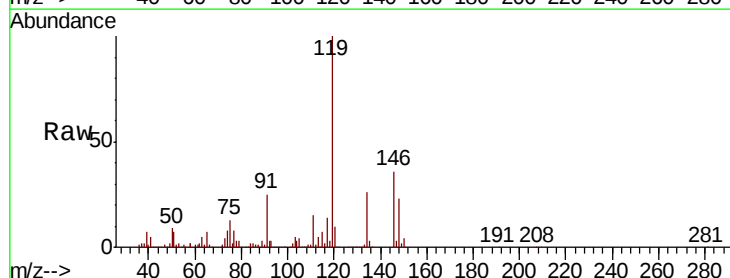
Tgt Ion:119 Resp: 675507

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

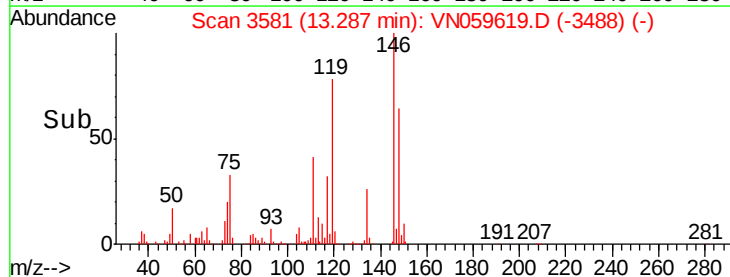
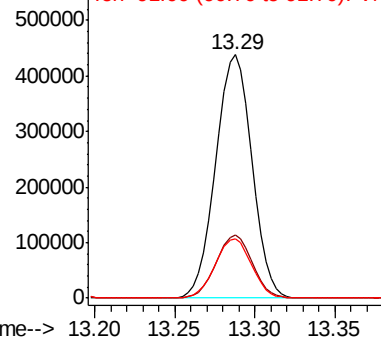
91 24.4 12.4 37.4

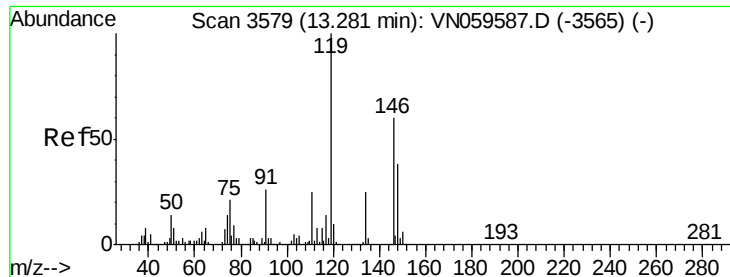


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

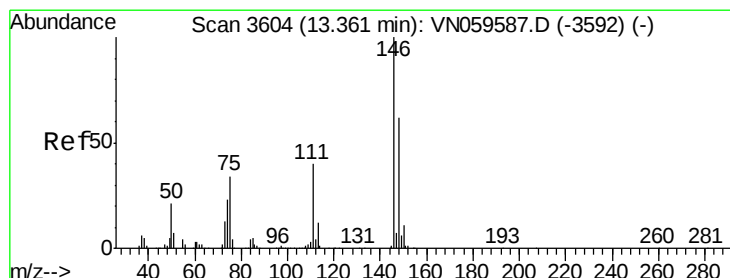
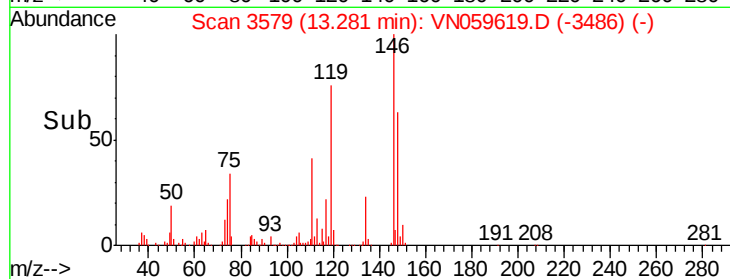
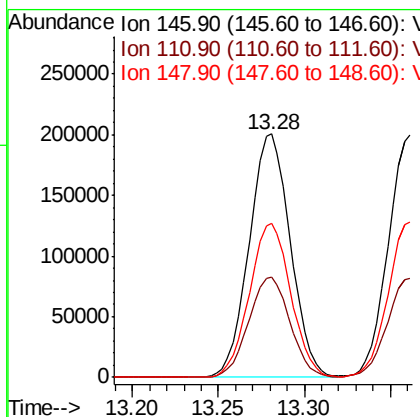
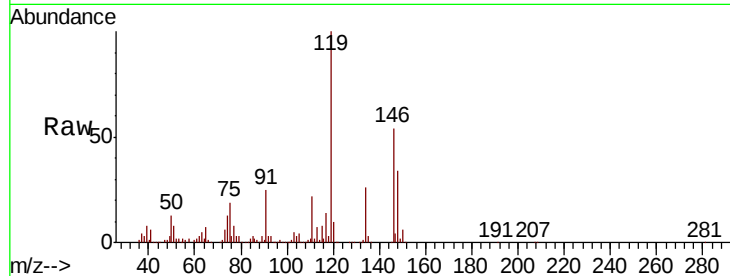




#87  
 1,3-Dichlorobenzene  
 Concen: 53.901 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. 0.00 min  
 Lab File: VN059619.D  
 Acq: 17 Dec 2019 12:38

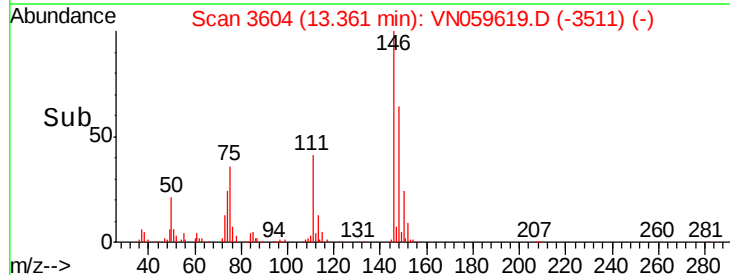
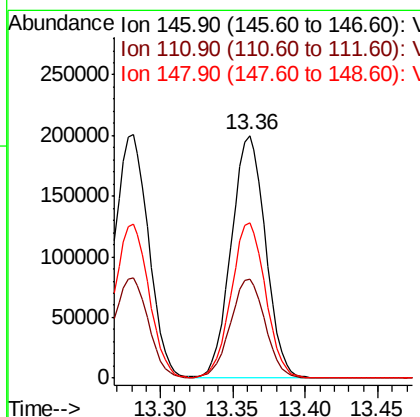
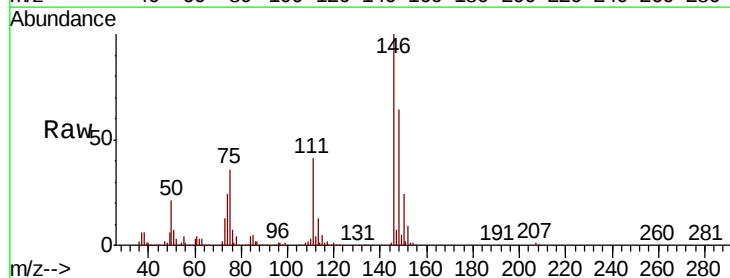
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

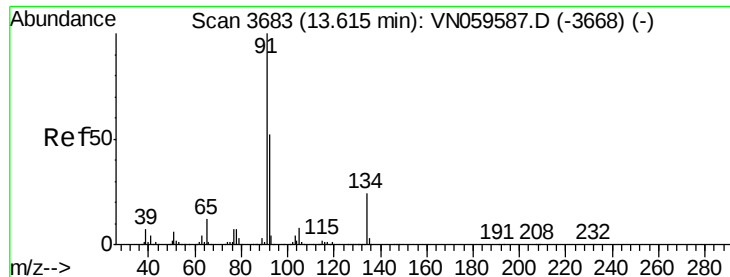
Tot Ion:146 Resp: 332551  
 Ion Ratio Lower Upper  
 146 100  
 111 41.3 20.8 62.2  
 148 63.5 32.0 96.0



#88  
 1,4-Dichlorobenzene  
 Concen: 52.553 ug/l  
 RT: 13.36 min Scan# 3604  
 Delta R.T. 0.00 min  
 Lab File: VN059619.D  
 Acq: 17 Dec 2019 12:38

Tgt Ion:146 Resp: 326900  
 Ion Ratio Lower Upper  
 146 100  
 111 41.2 20.8 62.2  
 148 64.0 31.8 95.4





#89

n-Butylbenzene

Concen: 56.759 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

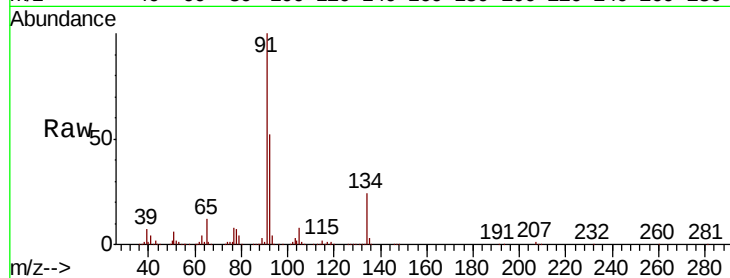
Tot Ion: 91 Resp: 626847

Ion Ratio Lower Upper

91 100

92 52.2 25.9 77.7

134 24.3 12.3 36.8

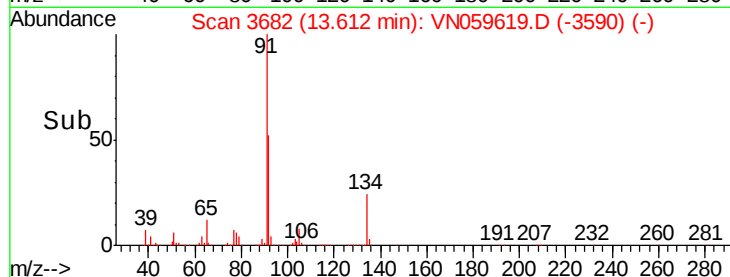


Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3668) (-)

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

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

Time--> 13.50 13.60 13.70

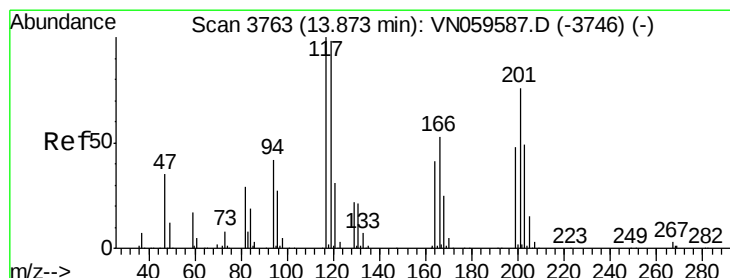


Abundance Ion 91.00 (90.70 to 91.70): VN059619.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN059619.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN059619.D (-3590) (-)

Time--> 13.50 13.60 13.70



#90

Hexachloroethane

Concen: 56.438 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN059619.D

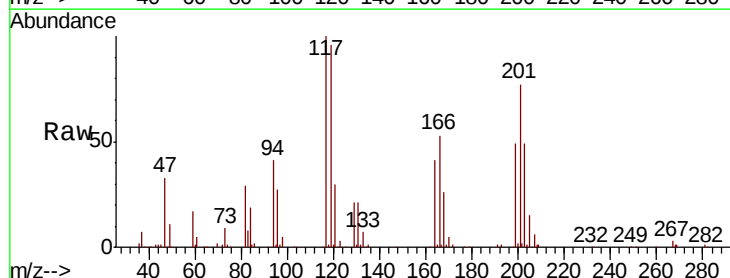
Acq: 17 Dec 2019 12:38

Tgt Ion: 117 Resp: 125666

Ion Ratio Lower Upper

117 100

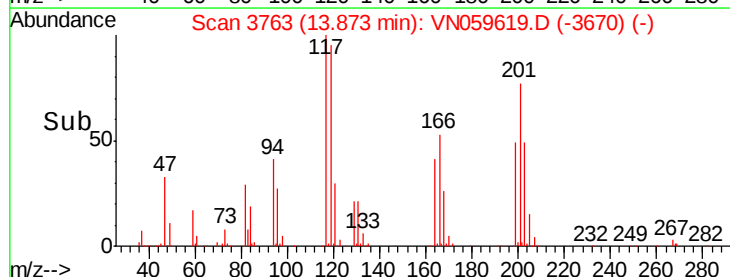
201 76.2 37.8 113.4



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

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

Time--> 13.80 13.85 13.90 13.95



Abundance Ion 116.80 (116.50 to 117.50): VN059619.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN059619.D (-3670) (-)

Time--> 13.80 13.85 13.90 13.95



#91

1,2-Dichlorobenzene

Concen: 53.395 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

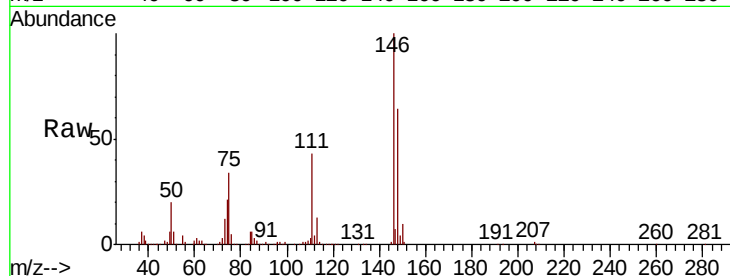
Tot Ion:146 Resp: 324885

Ion Ratio Lower Upper

146 100

111 43.2 21.6 64.8

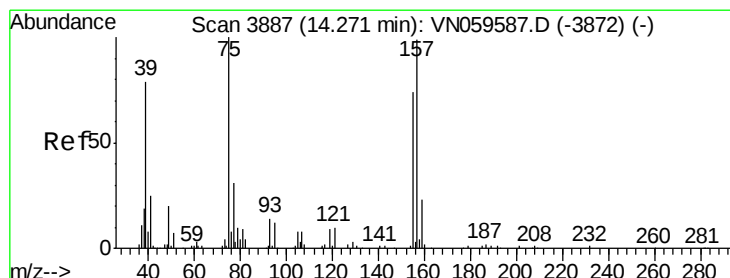
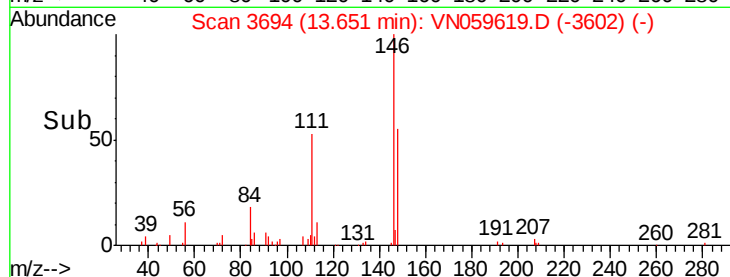
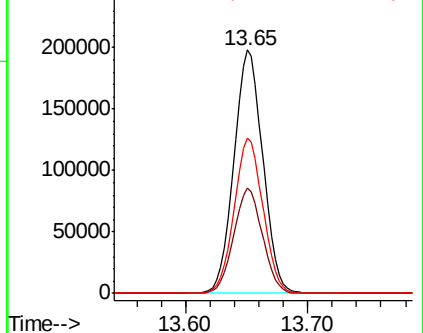
148 63.5 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.059 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN059619.D

Acq: 17 Dec 2019 12:38

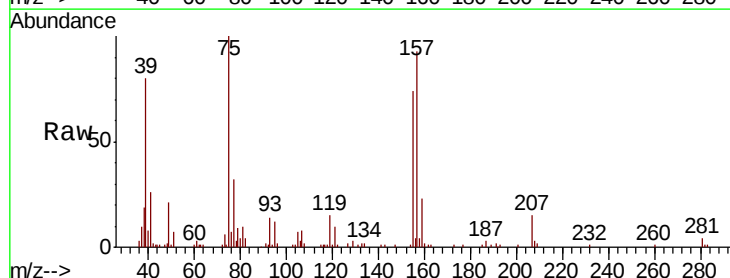
Tgt Ion: 75 Resp: 58744

Ion Ratio Lower Upper

75 100

155 71.6 37.0 110.9

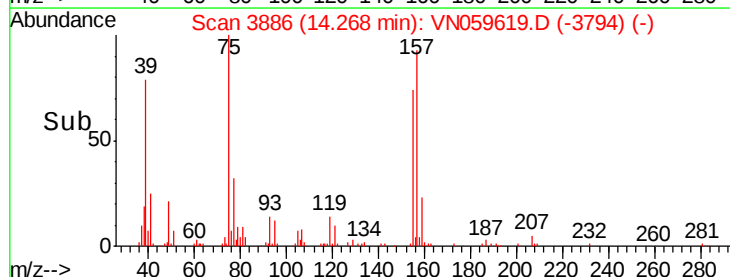
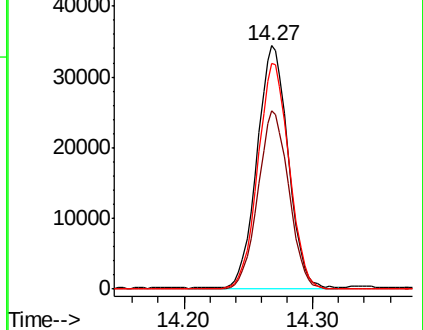
157 91.6 48.4 145.2

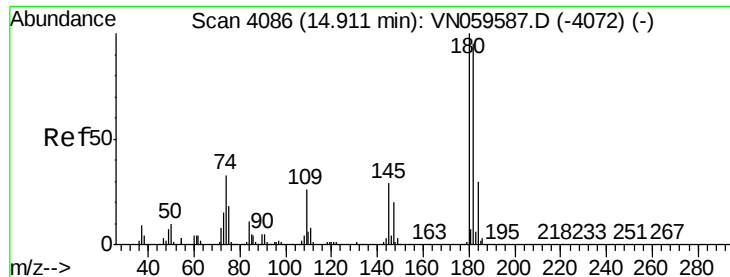


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

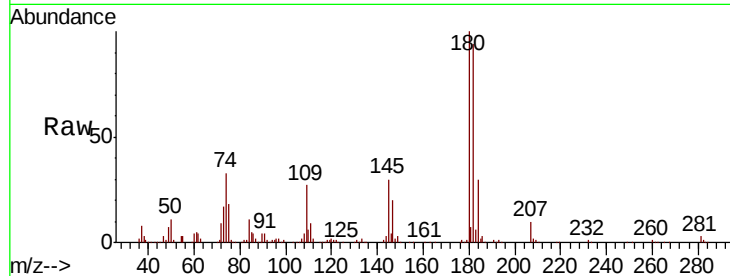




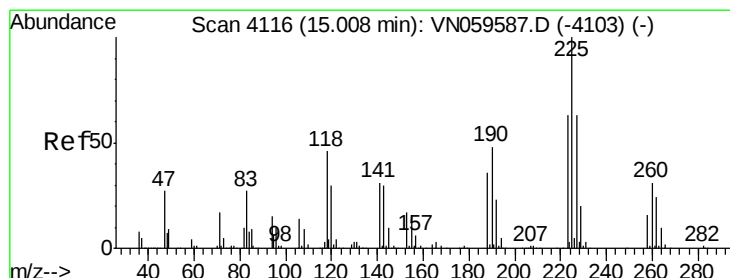
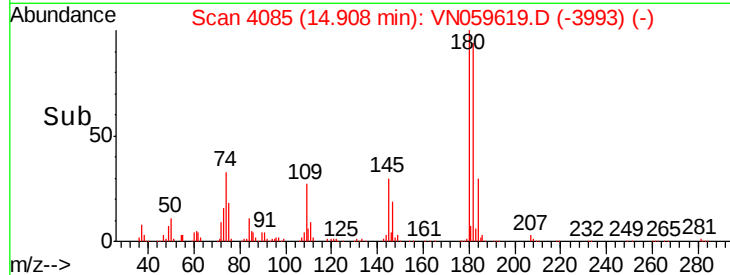
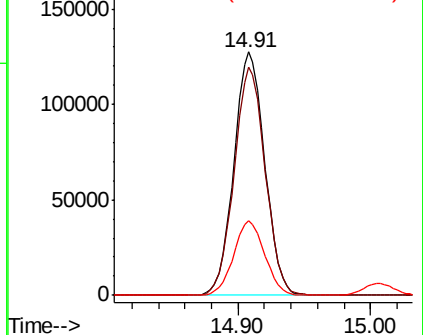
#93  
 1,2,4-Trichlorobenzene  
 Concen: 52.357 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. -0.00 min  
 Lab File: VN059619.D  
 Acq: 17 Dec 2019 12:38

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.2  | 46.9  | 140.7 |
| 145     | 30.8  | 15.0  | 45.1  |

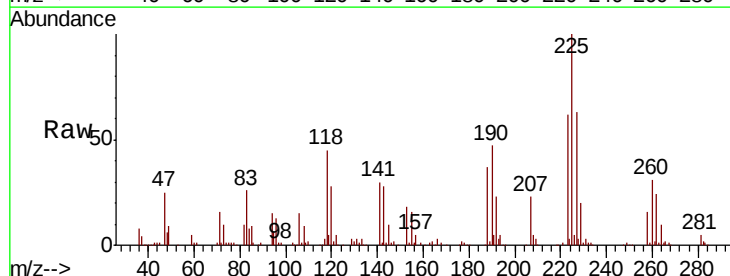


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

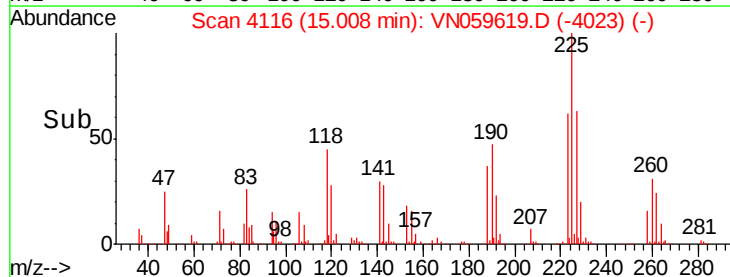
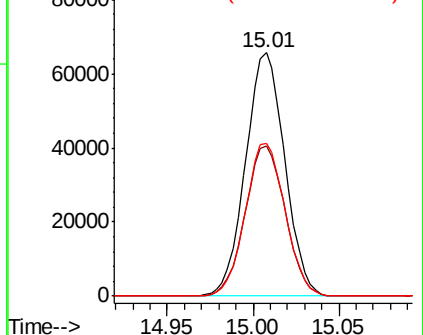


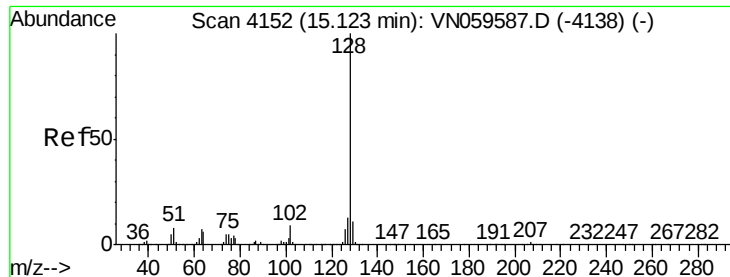
#94  
 Hexachlorobutadiene  
 Concen: 50.776 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN059619.D  
 Acq: 17 Dec 2019 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.1  | 31.8  | 95.3  |
| 227     | 63.7  | 32.1  | 96.5  |



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

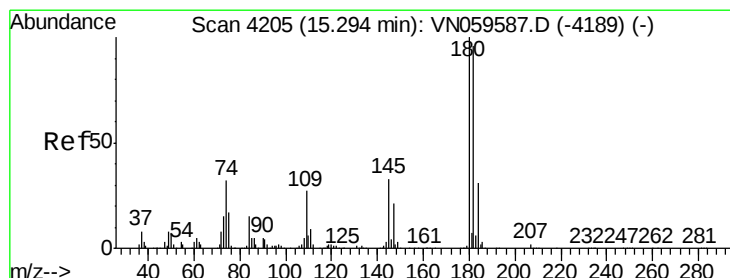
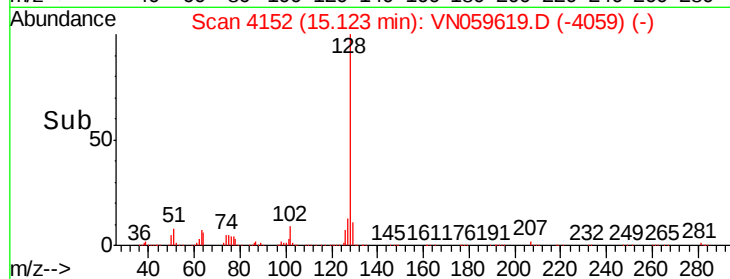
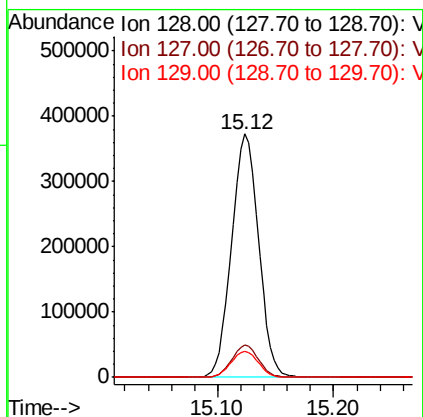
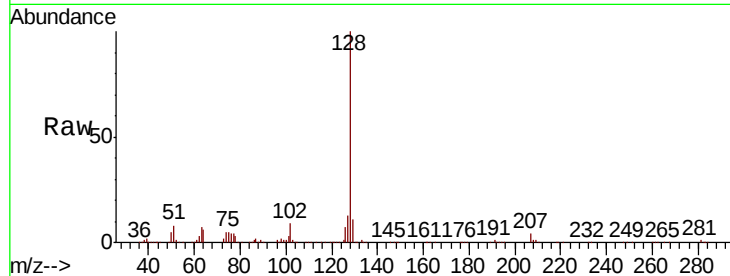




#95  
Naphthalene  
Concen: 51.059 ug/l  
RT: 15.12 min Scan# 4152  
Delta R.T. 0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:128 Resp: 598890  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.4 15.6  
129 10.9 8.6 12.8



#96  
1,2,3-Trichlorobenzene  
Concen: 49.831 ug/l  
RT: 15.29 min Scan# 4204  
Delta R.T. -0.00 min  
Lab File: VN059619.D  
Acq: 17 Dec 2019 12:38

Tgt Ion:180 Resp: 198020  
Ion Ratio Lower Upper  
180 100  
182 95.1 47.4 142.3  
145 32.3 16.3 48.9

