

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\  
 Data File : VN055907.D  
 Acq On : 31 May 2019 8:51  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: May 31 18:04:07 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N052319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 24 06:41:54 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 290954   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 424793   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 383796   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 178220   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.02  | 65   | 160999   | 53.58 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 107.16% |          |
| 35) Dibromofluoromethane    | 7.58  | 113  | 141959   | 52.86 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.72% |          |
| 50) Toluene-d8              | 10.09 | 98   | 544117   | 52.82 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.64% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 193011   | 54.64 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 109.28% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85   | 95985    | 49.018  | ug/l  | 96     |
| 3) Chloromethane              | 2.06 | 50   | 130163   | 47.443  | ug/l  | 100    |
| 4) Vinyl Chloride             | 2.18 | 62   | 142006   | 48.528  | ug/l  | 99     |
| 5) Bromomethane               | 2.52 | 94   | 78675    | 42.975  | ug/l  | 97     |
| 6) Chloroethane               | 2.67 | 64   | 83083    | 47.158  | ug/l  | 100    |
| 7) Trichlorofluoromethane     | 3.00 | 101  | 200694   | 52.313  | ug/l  | 100    |
| 8) Diethyl Ether              | 3.40 | 74   | 90045    | 52.367  | ug/l  | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.73 | 101  | 127047   | 53.051  | ug/l  | 98     |
| 10) Methyl Iodide             | 3.93 | 142  | 178993   | 51.123  | ug/l  | 99     |
| 11) Tert butyl alcohol        | 4.81 | 59   | 144922   | 252.431 | ug/l  | 100    |
| 12) 1,1-Dichloroethene        | 3.72 | 96   | 121524   | 49.111  | ug/l  | 97     |
| 13) Acrolein                  | 3.60 | 56   | 90899    | 221.120 | ug/l  | 97     |
| 14) Allyl chloride            | 4.31 | 41   | 212284   | 50.044  | ug/l  | 99     |
| 15) Acrylonitrile             | 4.99 | 53   | 347926   | 263.921 | ug/l  | 100    |
| 16) Acetone                   | 3.82 | 43   | 425219   | 321.936 | ug/l  | 98     |
| 17) Carbon Disulfide          | 4.03 | 76   | 290212   | 41.280  | ug/l  | 99     |
| 18) Methyl Acetate            | 4.32 | 43   | 150736   | 56.295  | ug/l  | 100    |
| 19) Methyl tert-butyl Ether   | 5.04 | 73   | 423194   | 51.279  | ug/l  | 98     |
| 20) Methylene Chloride        | 4.54 | 84   | 146092   | 51.073  | ug/l  | 96     |
| 21) trans-1,2-Dichloroethene  | 5.03 | 96   | 132113   | 49.696  | ug/l  | 98     |
| 22) Diisopropyl ether         | 5.95 | 45   | 438048   | 53.093  | ug/l  | 100    |
| 23) Vinyl Acetate             | 5.89 | 43   | 1830874  | 258.822 | ug/l  | 99     |
| 24) 1,1-Dichloroethane        | 5.84 | 63   | 246436   | 51.301  | ug/l  | 100    |
| 25) 2-Butanone                | 6.84 | 43   | 521911   | 282.935 | ug/l  | 99     |
| 26) 2,2-Dichloropropane       | 6.82 | 77   | 207253   | 49.852  | ug/l  | 100    |
| 27) cis-1,2-Dichloroethene    | 6.82 | 96   | 160121   | 51.627  | ug/l  | 98     |
| 28) Bromochloromethane        | 7.19 | 49   | 120312   | 52.604  | ug/l  | 98     |
| 29) Tetrahydrofuran           | 7.21 | 42   | 302714   | 259.140 | ug/l  | 99     |
| 30) Chloroform                | 7.37 | 83   | 252858   | 52.781  | ug/l  | 100    |
| 31) Cyclohexane               | 7.64 | 56   | 223767   | 49.616  | ug/l  | 99     |
| 32) 1,1,1-Trichloroethane     | 7.56 | 97   | 211972   | 49.584  | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75   | 184312   | 49.789  | ug/l  | 100    |
| 37) Ethyl Acetate             | 6.93 | 43   | 187817   | 52.494  | ug/l  | 98     |
| 38) Carbon Tetrachloride      | 7.77 | 117  | 180810   | 46.890  | ug/l  | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\  
 Data File : VN055907.D  
 Acq On : 31 May 2019 8:51  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: May 31 18:04:07 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N052319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 24 06:41:54 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 231746   | 50.554   | ug/l   | 99       |
| 40) Benzene                    | 8.04  | 78   | 579199   | 51.914   | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.17  | 41   | 91087    | 50.392   | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 188395   | 51.677   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.16  | 43   | 303894   | 50.552   | ug/l # | 91       |
| 44) Trichloroethene            | 8.83  | 130  | 159994   | 51.440   | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 153558   | 52.827   | ug/l   | 99       |
| 46) Dibromomethane             | 9.20  | 93   | 100417   | 52.675   | ug/l   | 96       |
| 47) Bromodichloromethane       | 9.40  | 83   | 195754   | 50.078   | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.20  | 41   | 149643   | 54.012   | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 63936    | 1110.500 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 935621   | 263.527  | ug/l   | 100      |
| 52) Toluene                    | 10.15 | 92   | 368699   | 52.545   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 211408   | 50.667   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 237708   | 51.426   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 147763   | 52.566   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 227541   | 52.376   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 242718   | 53.120   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 431109   | 259.668  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 684574   | 271.800  | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.90 | 129  | 160216   | 48.926   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 153963   | 52.804   | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 161221   | 49.806   | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 399665   | 52.018   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 148506   | 48.463   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 711690   | 51.654   | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 549095   | 105.417  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 268800   | 52.014   | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 450211   | 53.796   | ug/l   | 99       |
| 71) Bromoform                  | 12.12 | 173  | 116624   | 44.619   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 707077   | 56.100   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 254644   | 52.897   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 206624   | 55.388   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 253273   | 84.719   | ug/l # | 100      |
| 77) Bromobenzene               | 12.52 | 156  | 184141   | 48.419   | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 787958   | 50.870   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 469553   | 56.615   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 603709   | 56.930   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 61216    | 46.215   | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 461674   | 50.704   | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 521190   | 56.923   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 596757   | 56.310   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 690551   | 57.933   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 632735   | 51.123   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 310790   | 51.610   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 298421   | 52.124   | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.61 | 91   | 503917   | 53.139   | ug/l   | 100      |
| 90) Hexachloroethane           | 13.87 | 117  | 101884   | 43.249   | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 309885   | 51.579   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 36549    | 46.284   | ug/l   | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\  
Data File : VN055907.D  
Acq On : 31 May 2019 8:51  
Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Quant Time: May 31 18:04:07 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N052319W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 24 06:41:54 2019  
Response via : Initial Calibration

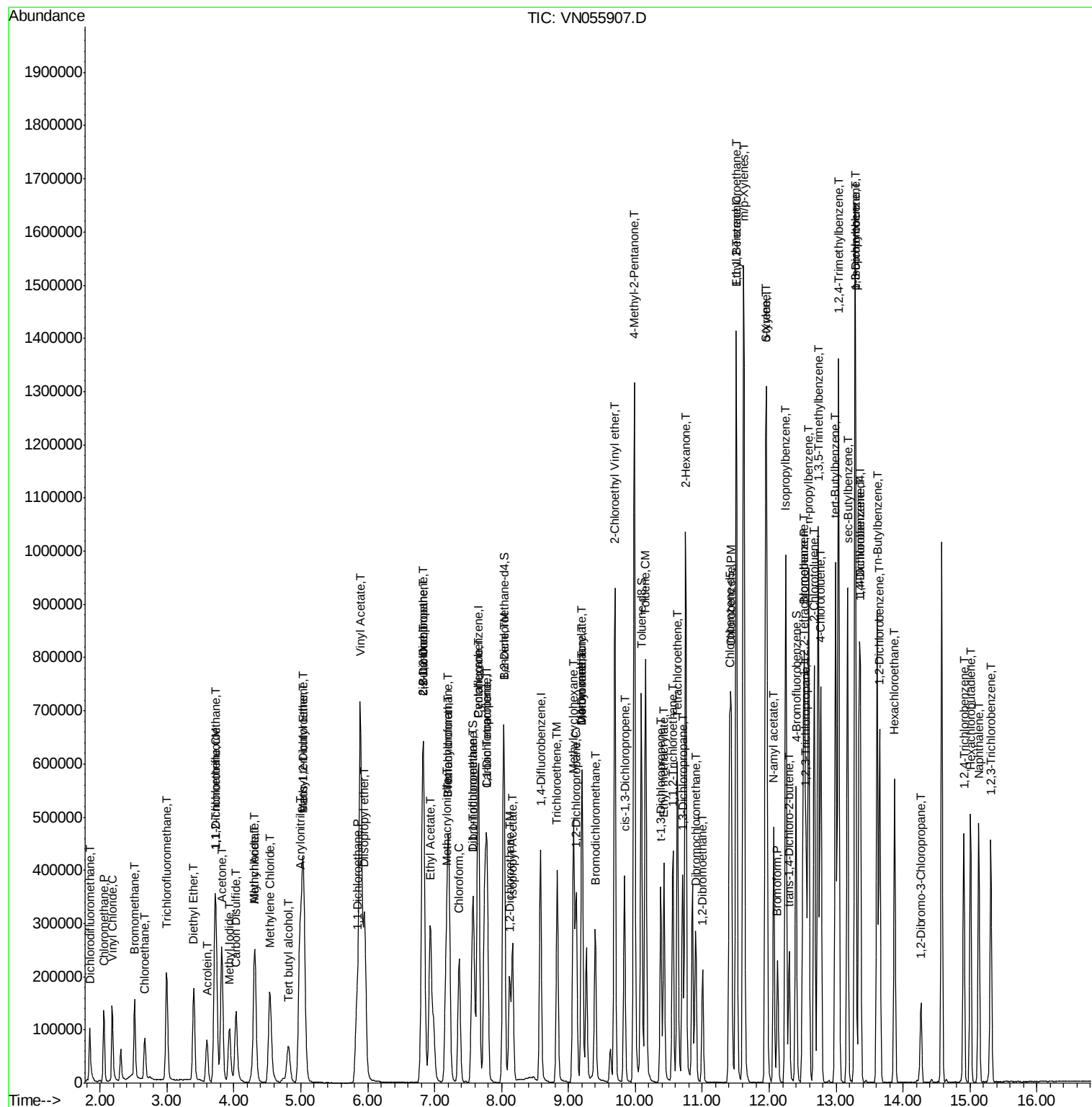
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 163007   | 47.364 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 110346   | 52.271 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 436494   | 52.945 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 171846   | 54.110 | ug/l  | 99       |

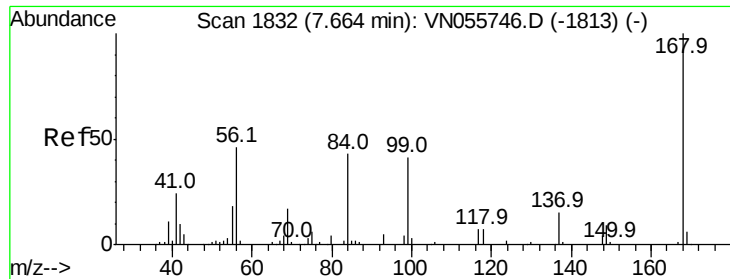
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN053119\  
Data File : VN055907.D  
Acq On : 31 May 2019 8:51  
Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Quant Time: May 31 18:04:07 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N052319W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 24 06:41:54 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA\_N

ClientSampleId :

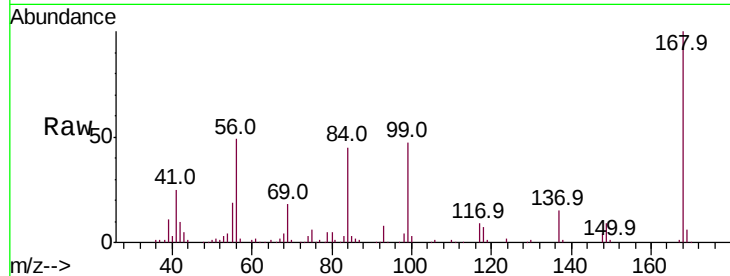
VSTDCCC050

Tot Ion:168 Resp: 290954

Ion Ratio Lower Upper

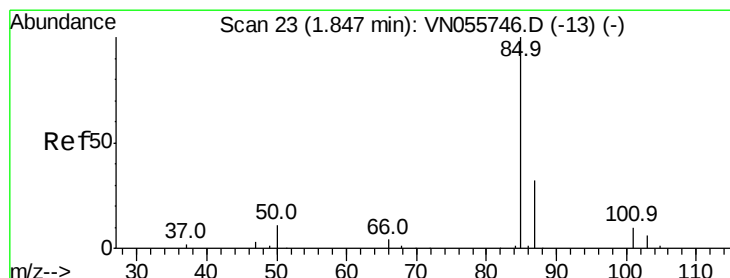
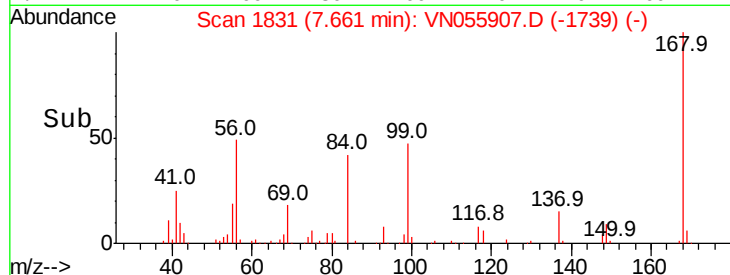
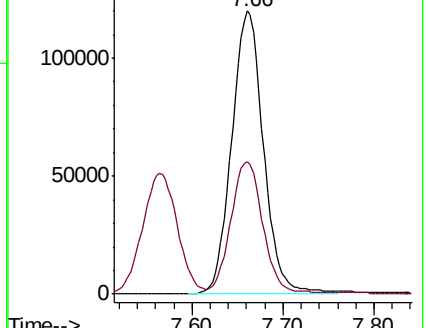
168 100

99 46.2 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.018 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055907.D

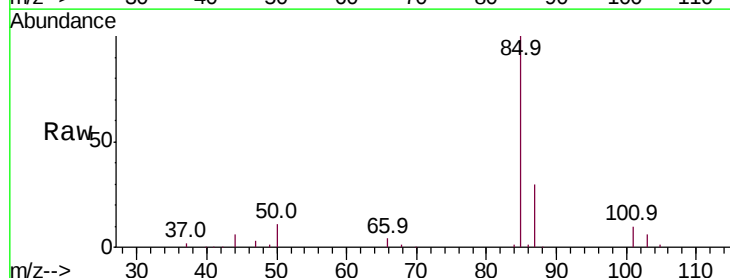
Acq: 31 May 2019 8:51

Tgt Ion: 85 Resp: 95985

Ion Ratio Lower Upper

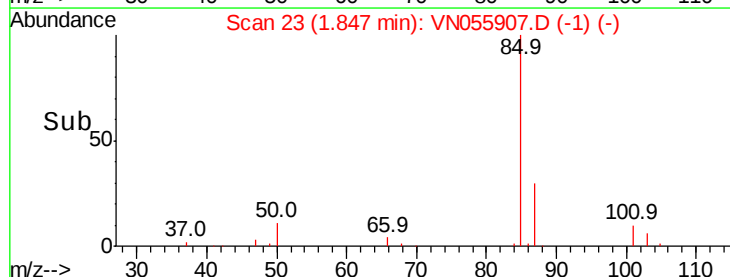
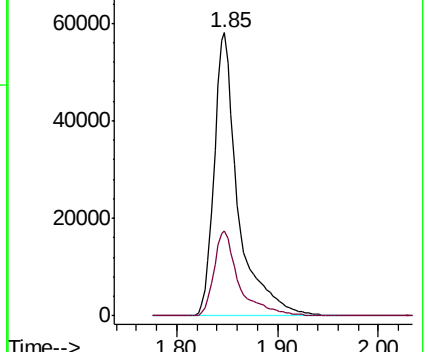
85 100

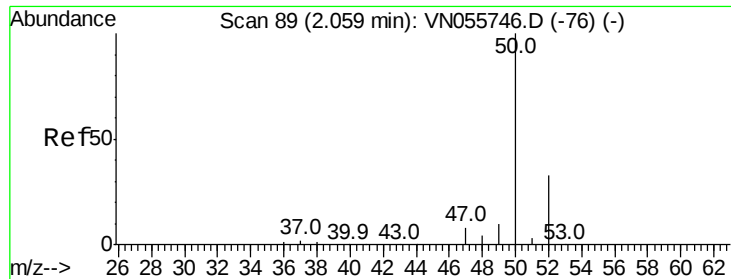
87 30.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

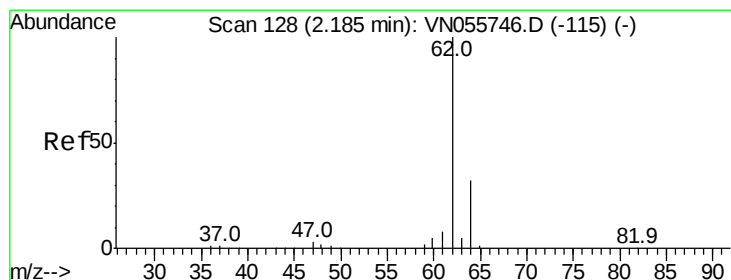
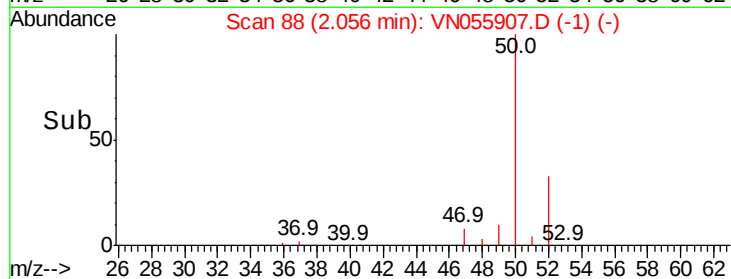
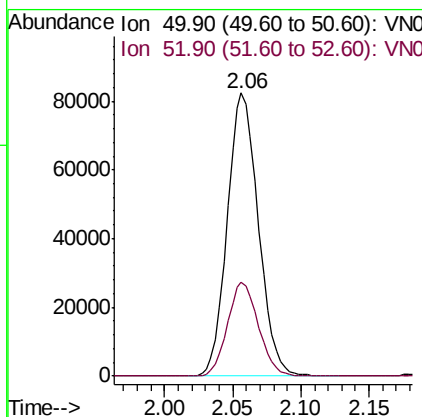
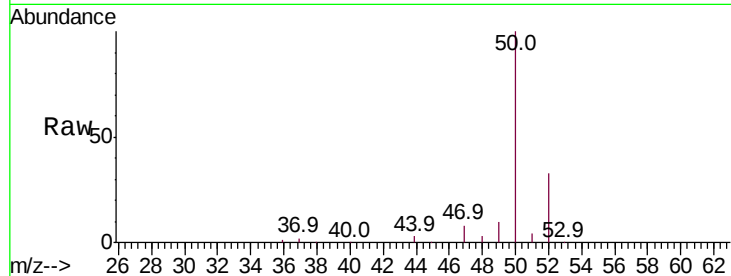




#3  
Chloromethane  
Concen: 47.443 ug/l  
RT: 2.06 min Scan# 88  
Delta R.T. -0.00 min  
Lab File: VN055907.D  
Acq: 31 May 2019 8:51

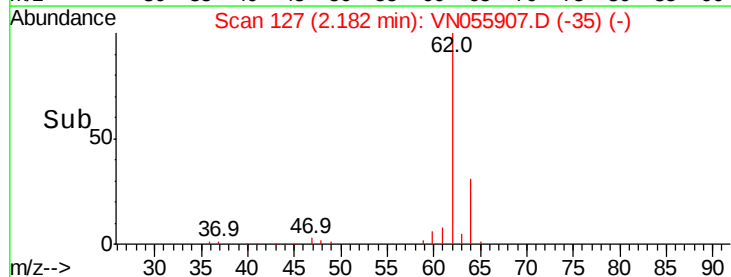
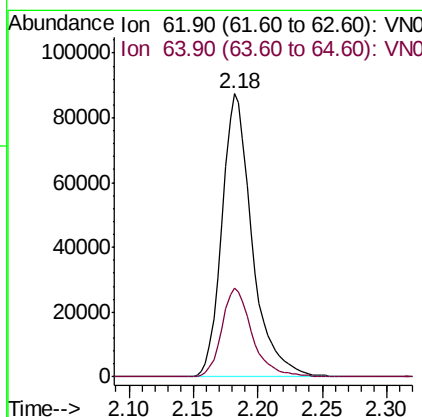
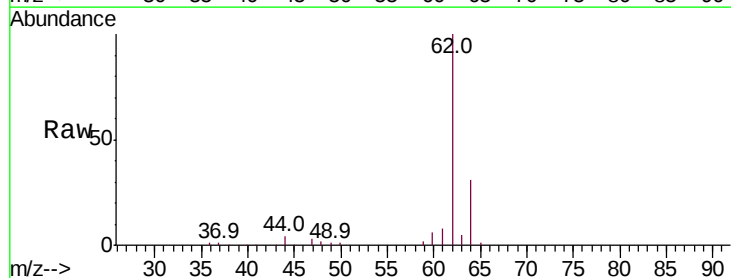
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

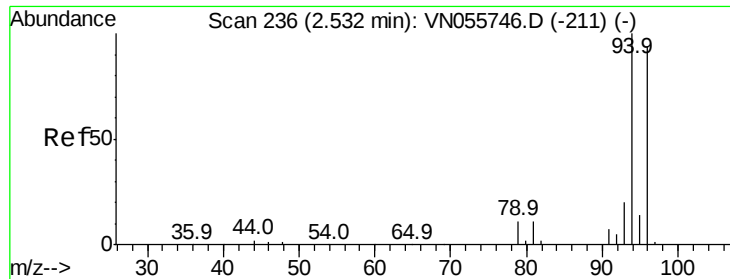
Tot Ion: 50 Resp: 130163  
Ion Ratio Lower Upper  
50 100  
52 33.3 26.6 40.0



#4  
Vinyl Chloride  
Concen: 48.528 ug/l  
RT: 2.18 min Scan# 127  
Delta R.T. -0.00 min  
Lab File: VN055907.D  
Acq: 31 May 2019 8:51

Tgt Ion: 62 Resp: 142006  
Ion Ratio Lower Upper  
62 100  
64 31.3 25.6 38.4

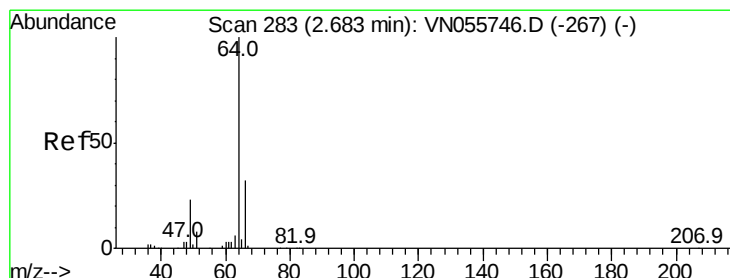
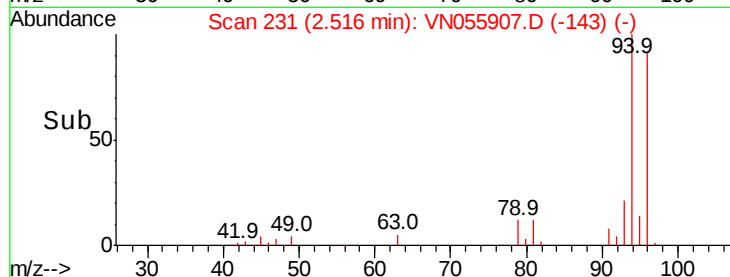
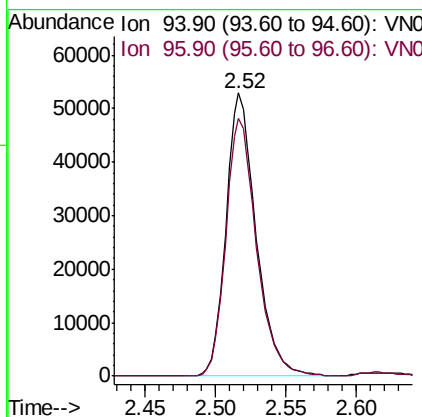
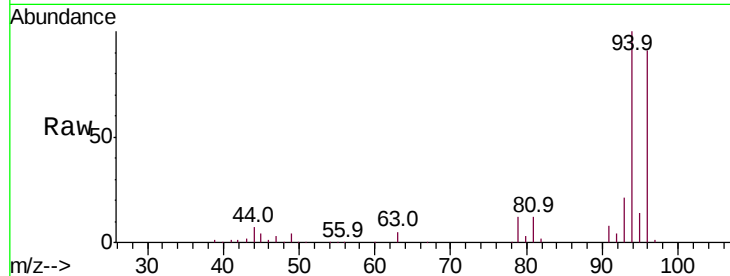




#5  
 Bromomethane  
 Concen: 42.975 ug/l  
 RT: 2.52 min Scan# 231  
 Delta R.T. -0.02 min  
 Lab File: VN055907.D  
 Acq: 31 May 2019 8:51

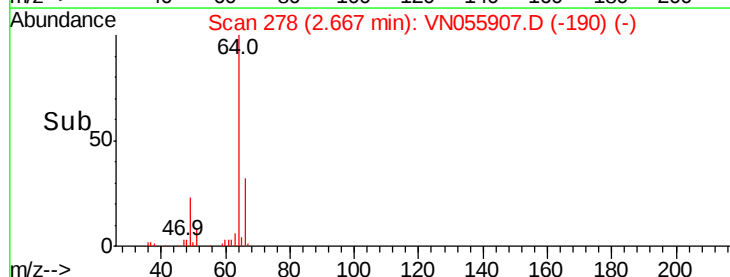
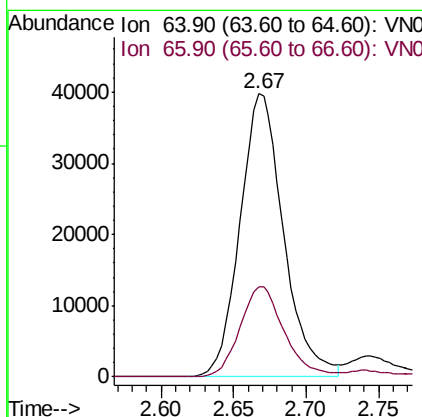
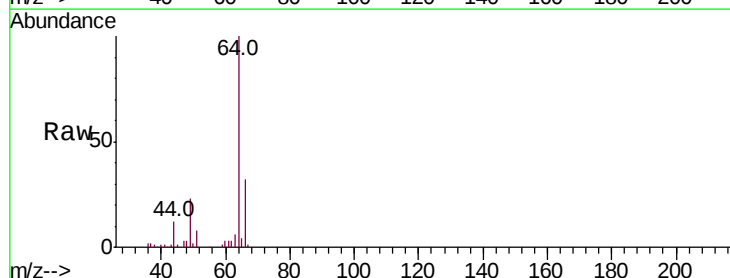
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

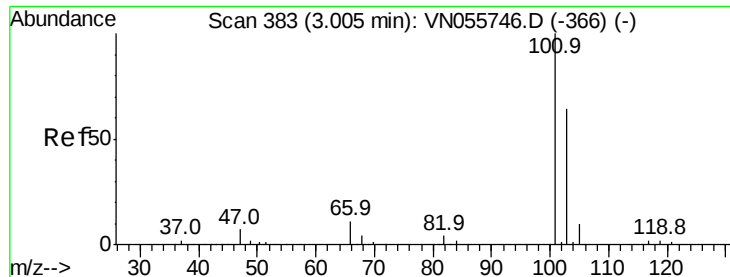
Tot Ion: 94 Resp: 78675  
 Ion Ratio Lower Upper  
 94 100  
 96 91.2 75.5 113.3



#6  
 Chloroethane  
 Concen: 47.158 ug/l  
 RT: 2.67 min Scan# 278  
 Delta R.T. -0.02 min  
 Lab File: VN055907.D  
 Acq: 31 May 2019 8:51

Tgt Ion: 64 Resp: 83083  
 Ion Ratio Lower Upper  
 64 100  
 66 31.8 25.4 38.0





#7

Trichlorofluoromethane

Concen: 52.313 ug/l

RT: 3.00 min Scan# 380

Delta R.T. -0.01 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA\_N

ClientSampleId :

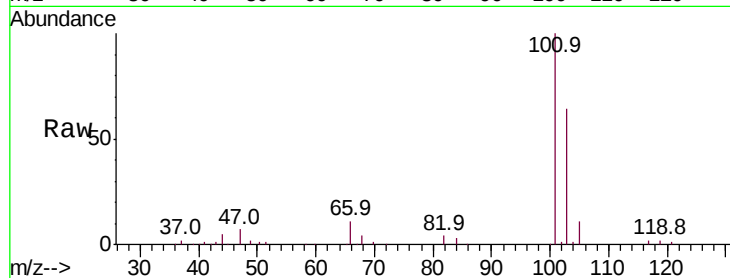
VSTDCCC050

Tot Ion:101 Resp: 200694

Ion Ratio Lower Upper

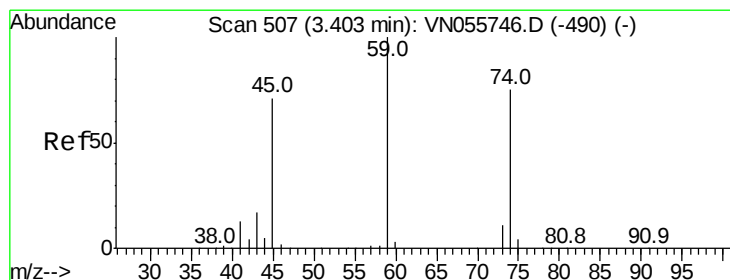
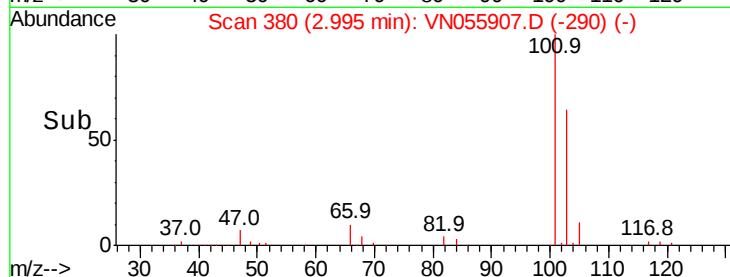
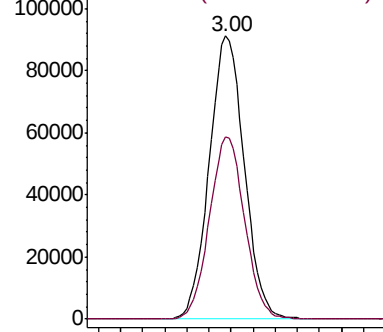
101 100

103 64.3 51.2 76.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 52.367 ug/l

RT: 3.40 min Scan# 506

Delta R.T. -0.00 min

Lab File: VN055907.D

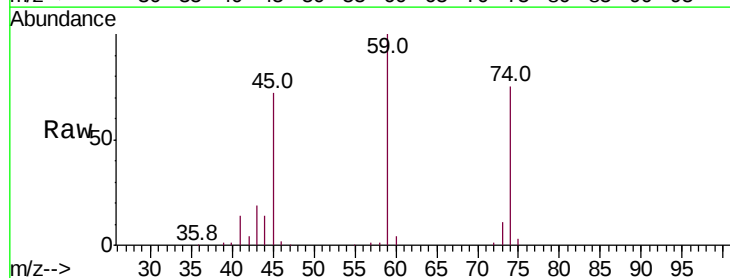
Acq: 31 May 2019 8:51

Tgt Ion: 74 Resp: 90045

Ion Ratio Lower Upper

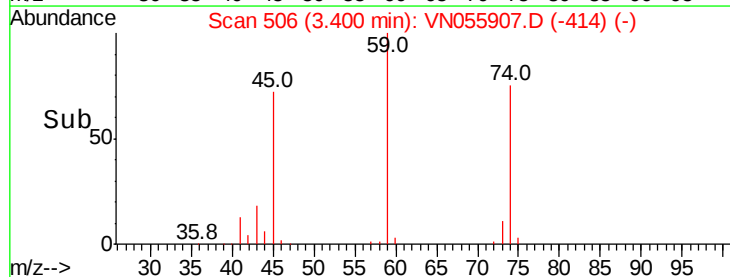
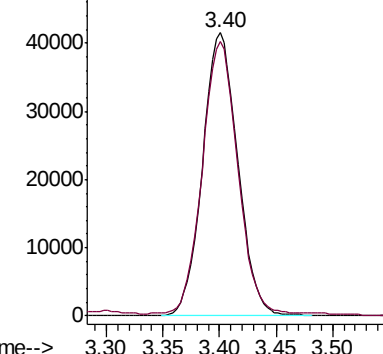
74 100

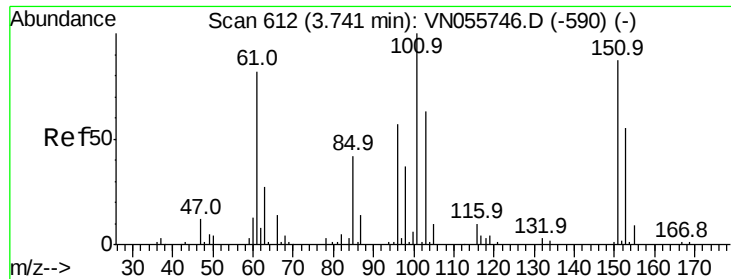
45 96.1 48.6 145.9



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.051 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

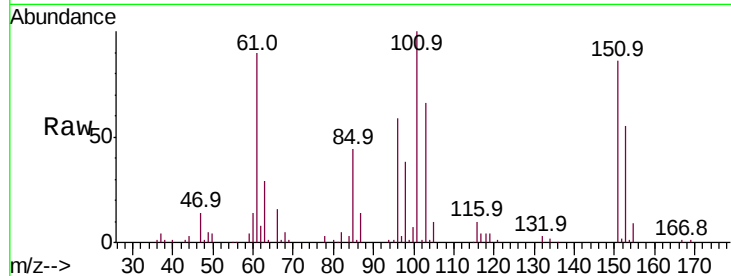
Tot Ion:101 Resp: 127047

Ion Ratio Lower Upper

101 100

85 41.2 33.4 50.2

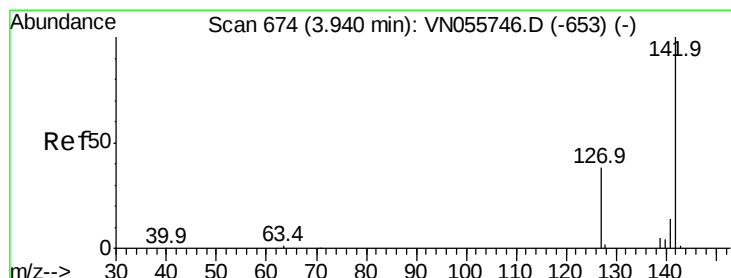
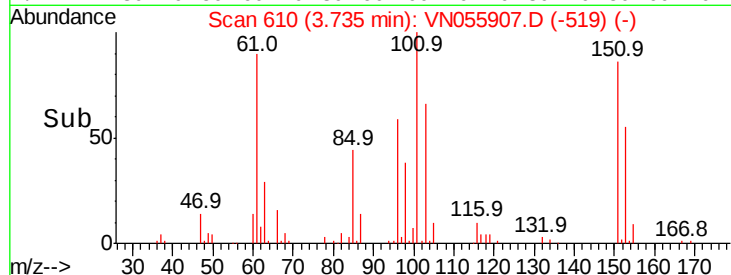
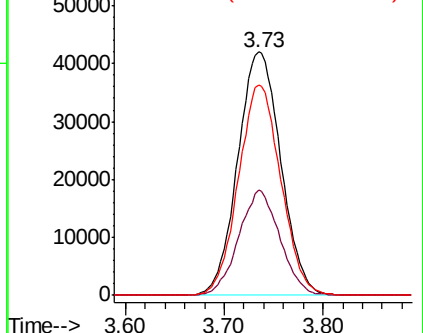
151 85.0 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.123 ug/l

RT: 3.93 min Scan# 672

Delta R.T. -0.01 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

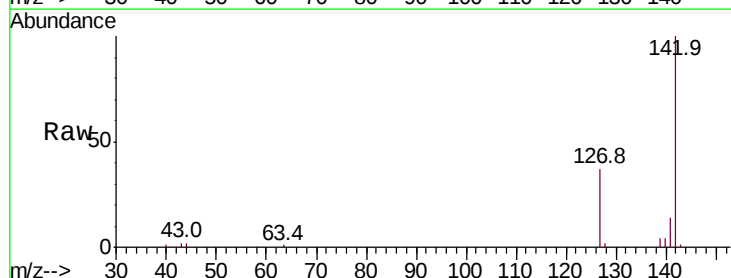
Tgt Ion:142 Resp: 178993

Ion Ratio Lower Upper

142 100

127 38.4 31.0 46.4

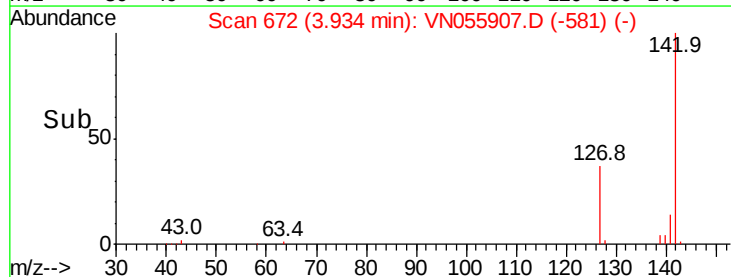
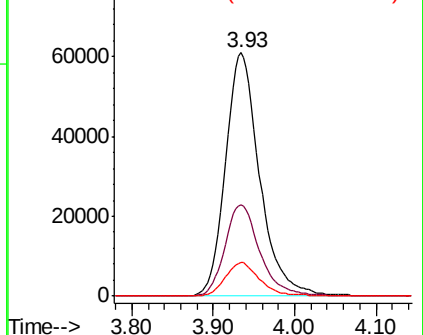
141 13.9 11.4 17.0

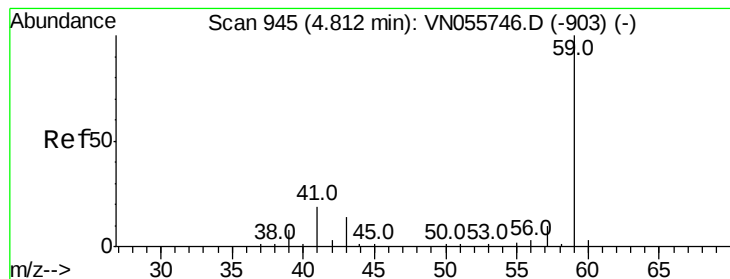


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



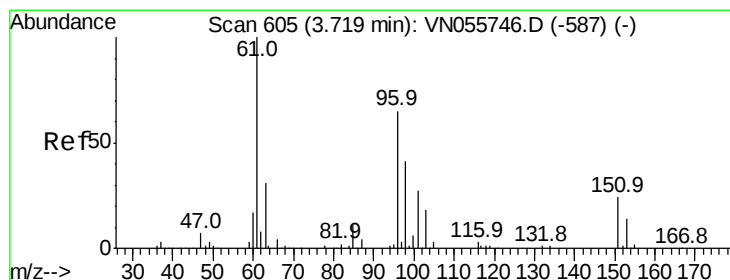
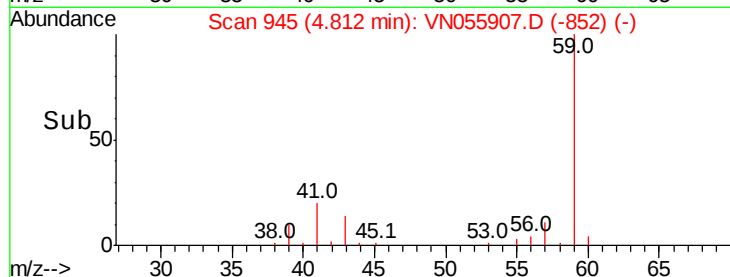
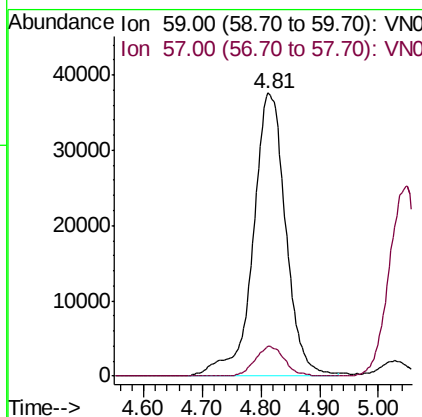
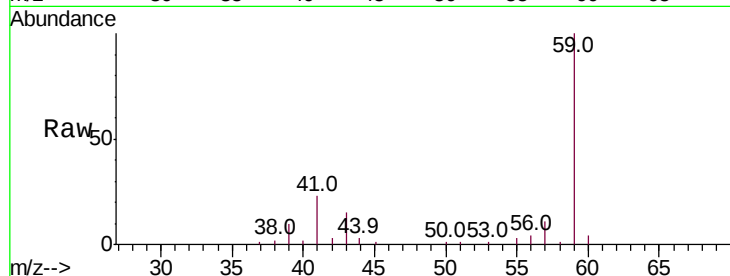


#11

Tert butyl alcohol  
 Concen: 252.431 ug/l  
 RT: 4.81 min Scan# 945  
 Delta R.T. 0.00 min  
 Lab File: VN055907.D  
 Acq: 31 May 2019 8:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

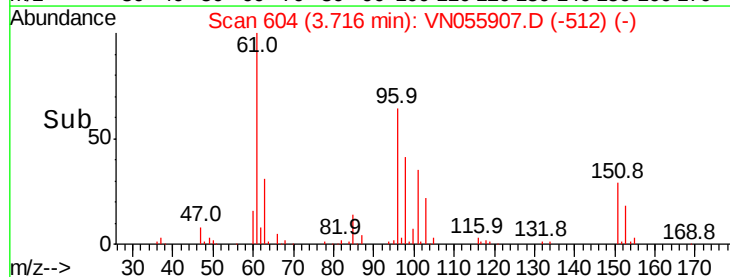
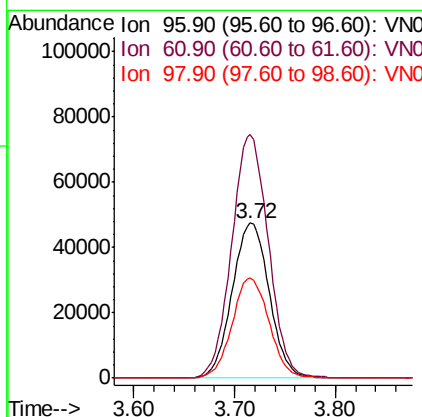
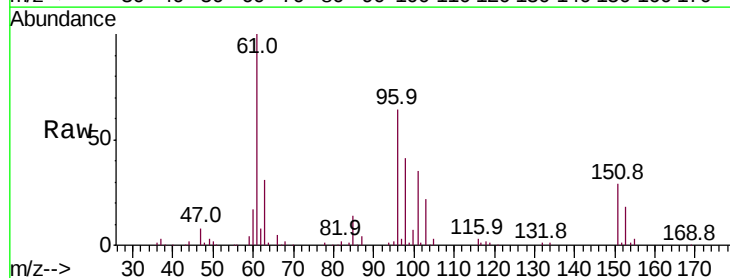
Tot Ion: 59 Resp: 144922  
 Ion Ratio Lower Upper  
 59 100  
 57 9.5 7.8 11.6

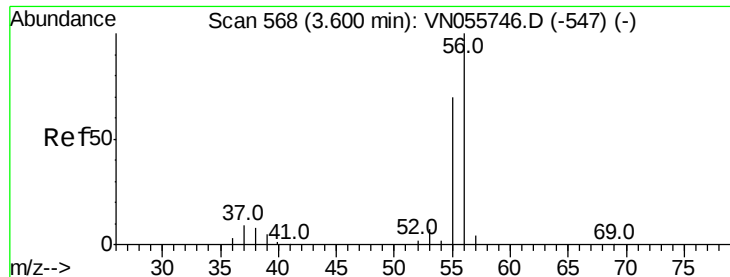


#12

1,1-Dichloroethene  
 Concen: 49.111 ug/l  
 RT: 3.72 min Scan# 604  
 Delta R.T. -0.00 min  
 Lab File: VN055907.D  
 Acq: 31 May 2019 8:51

Tgt Ion: 96 Resp: 121524  
 Ion Ratio Lower Upper  
 96 100  
 61 157.2 123.2 184.8  
 98 65.0 50.4 75.6





#13

Acrolein

Concen: 221.120 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA\_N

ClientSampleId :

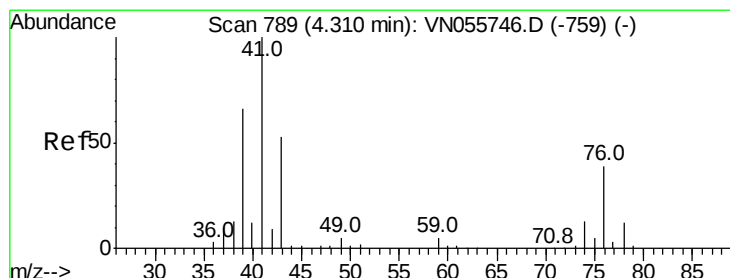
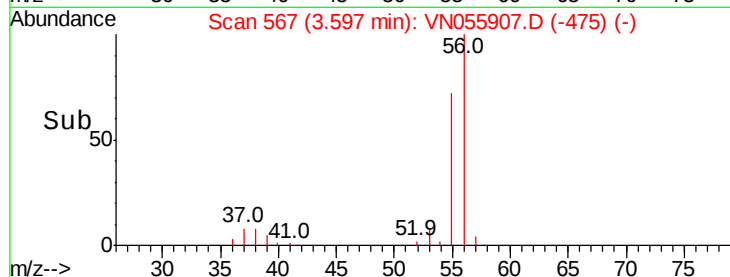
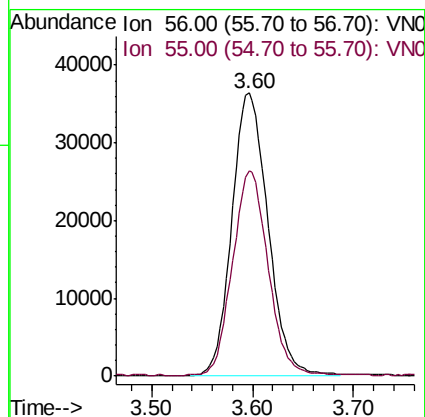
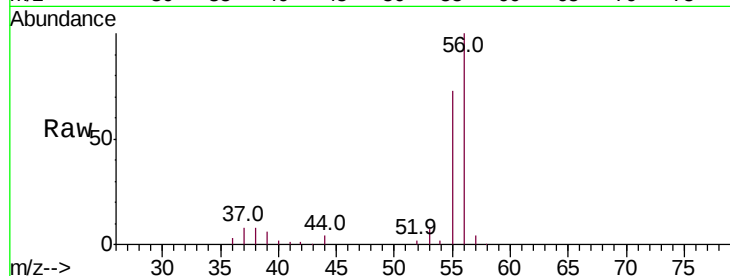
VSTDCCC050

Tot Ion: 56 Resp: 90899

Ion Ratio Lower Upper

56 100

55 71.7 55.4 83.2



#14

Allyl chloride

Concen: 50.044 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

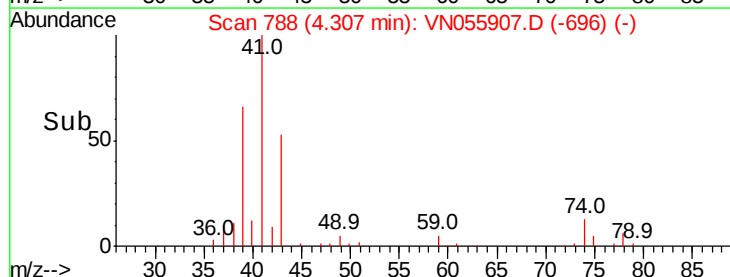
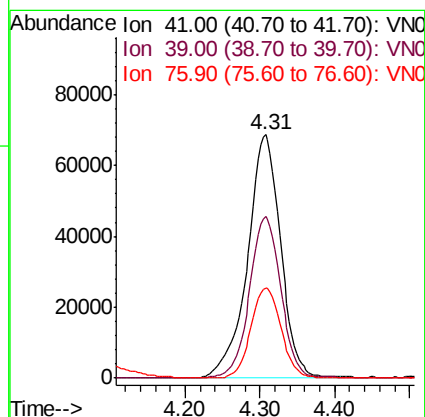
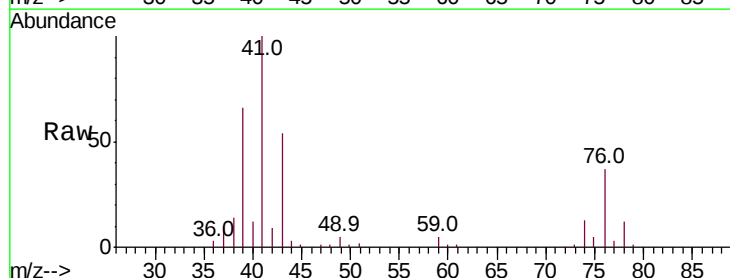
Tgt Ion: 41 Resp: 212284

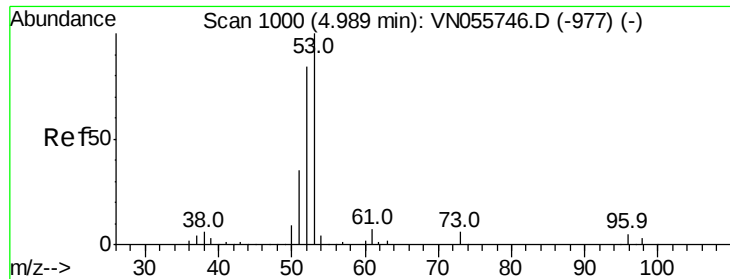
Ion Ratio Lower Upper

41 100

39 62.7 50.0 75.0

76 33.7 28.2 42.2





#15

Acrylonitrile

Concen: 263.921 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

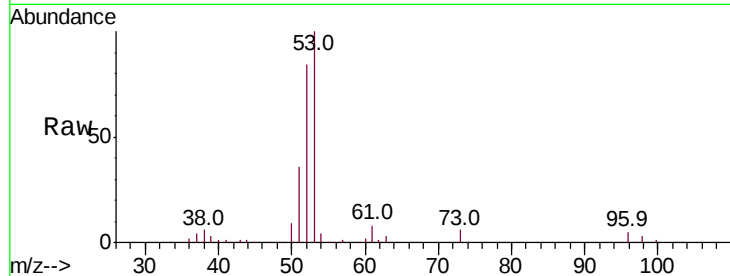
MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 347926

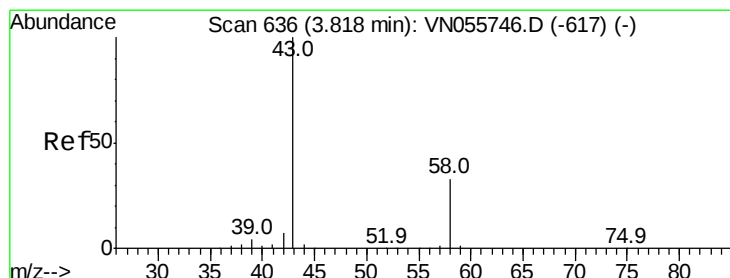
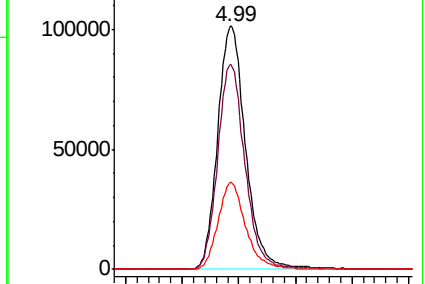
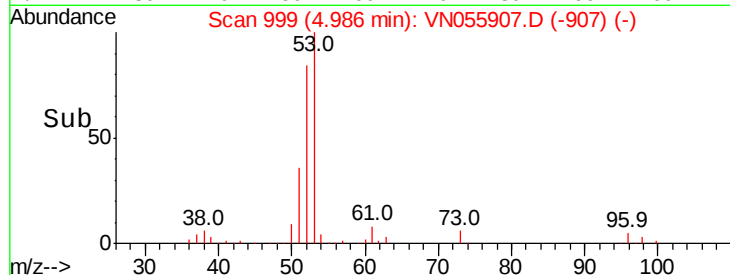
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 82.0  | 65.8  | 98.8  |
| 51  | 35.4  | 28.2  | 42.4  |



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: 321.936 ug/l

RT: 3.82 min Scan# 636

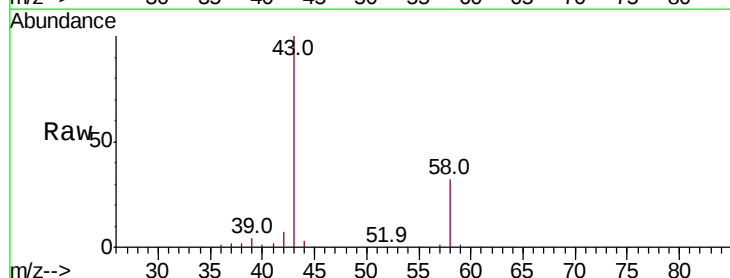
Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

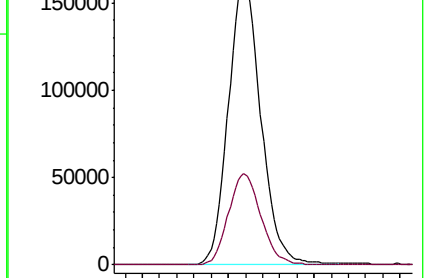
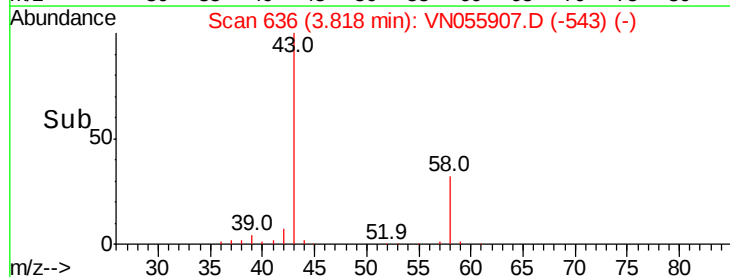
Tgt Ion: 43 Resp: 425219

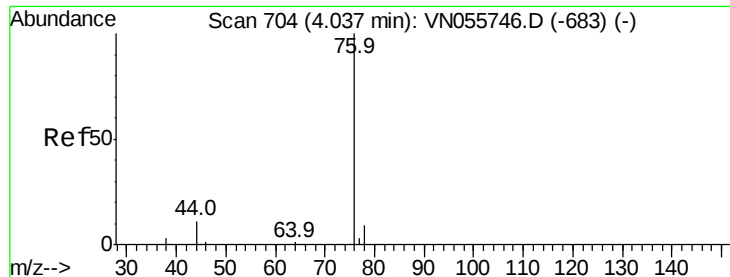
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 32.3  | 26.6  | 39.8  |



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

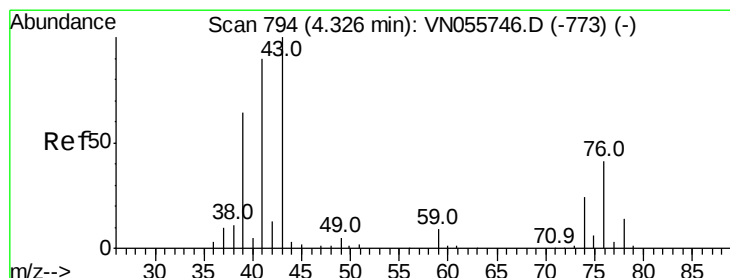
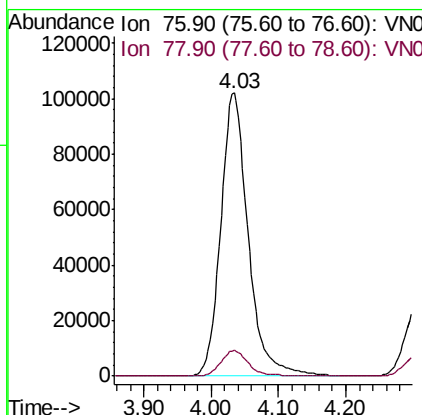
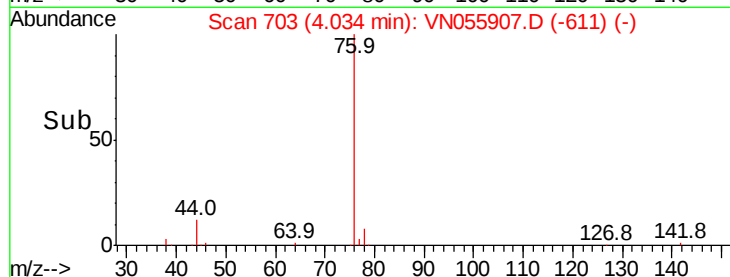
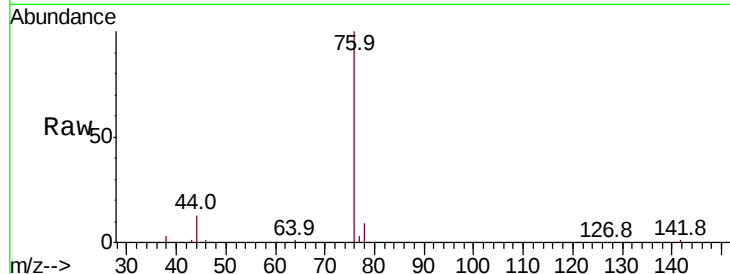




#17  
Carbon Disulfide  
Concen: 41.280 ug/l  
RT: 4.03 min Scan# 703  
Delta R.T. -0.00 min  
Lab File: VN055907.D  
Acq: 31 May 2019 8:51

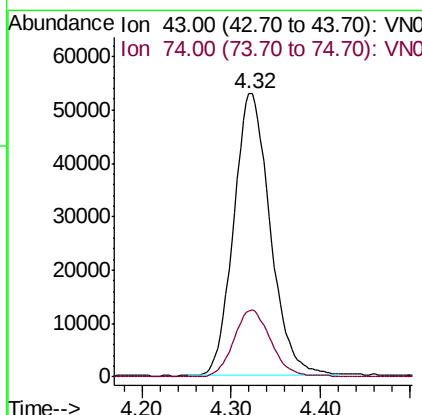
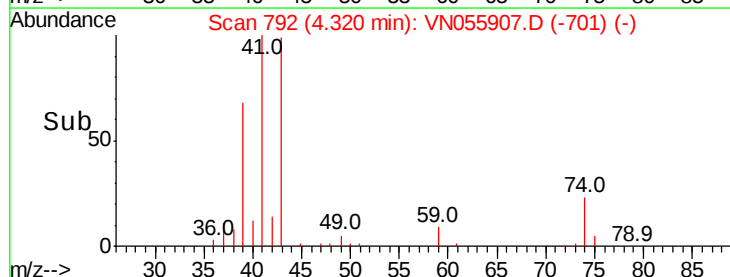
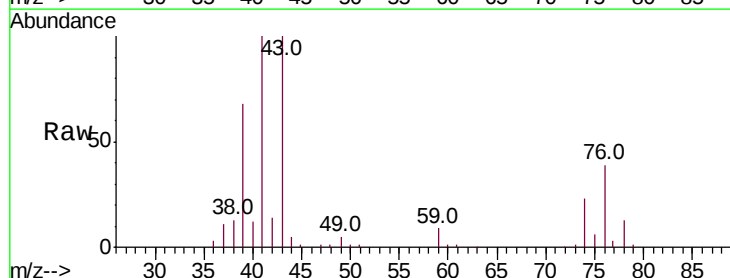
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

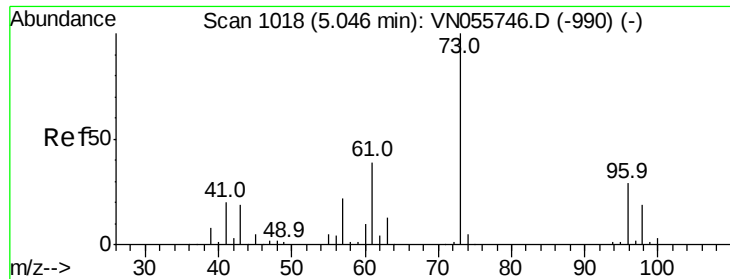
Tot Ion: 76 Resp: 290212  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.4 11.2



#18  
Methyl Acetate  
Concen: 56.295 ug/l  
RT: 4.32 min Scan# 792  
Delta R.T. -0.01 min  
Lab File: VN055907.D  
Acq: 31 May 2019 8:51

Tgt Ion: 43 Resp: 150736  
Ion Ratio Lower Upper  
43 100  
74 24.2 19.3 28.9

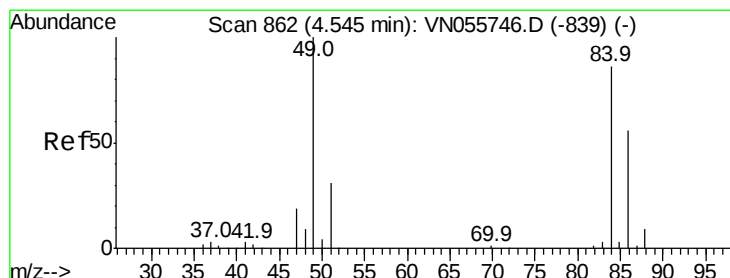
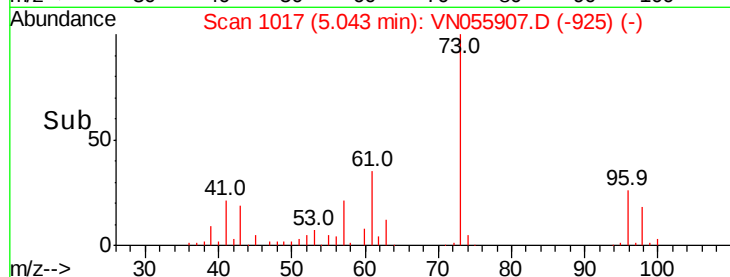
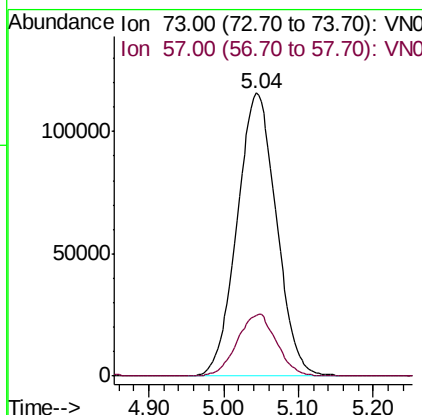
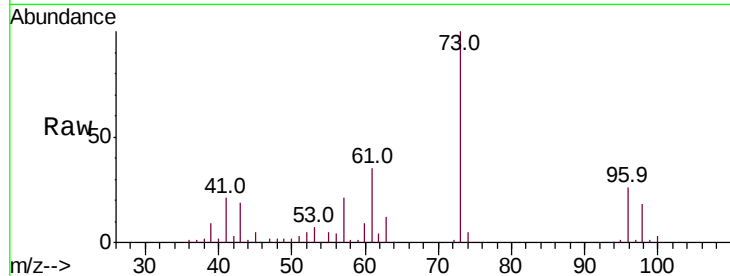




#19  
Methvl tert-butvl Ether  
Concen: 51.279 ug/l  
RT: 5.04 min Scan# 1017  
Delta R.T. -0.00 min  
Lab File: VN055907.D  
Acq: 31 May 2019 8:51

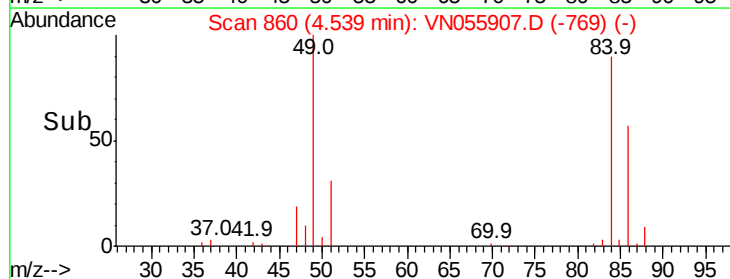
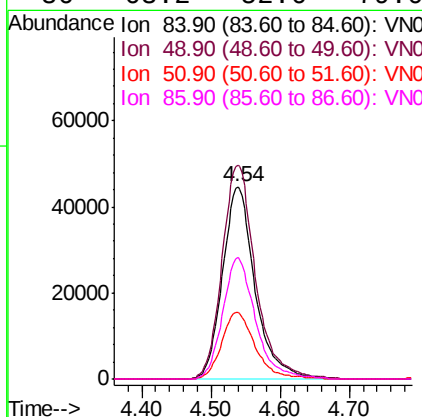
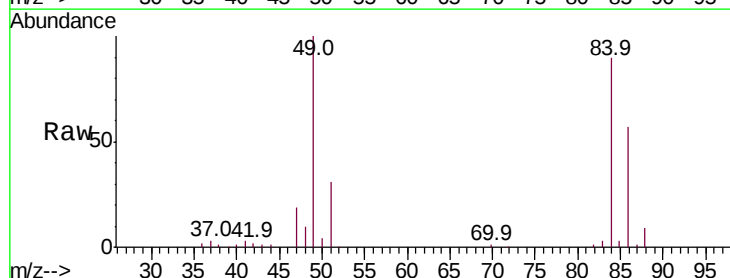
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

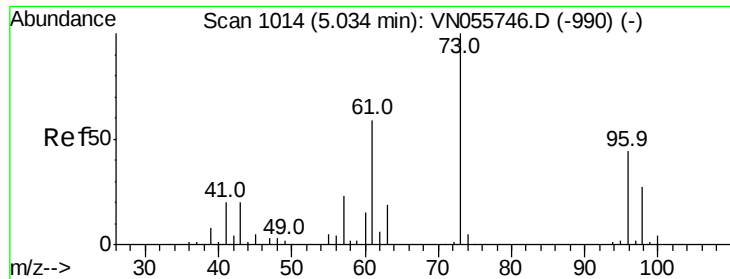
Tot Ion: 73 Resp: 423194  
Ion Ratio Lower Upper  
73 100  
57 21.4 17.8 26.8



#20  
Methylene Chloride  
Concen: 51.073 ug/l  
RT: 4.54 min Scan# 860  
Delta R.T. -0.01 min  
Lab File: VN055907.D  
Acq: 31 May 2019 8:51

Tgt Ion: 84 Resp: 146092  
Ion Ratio Lower Upper  
84 100  
49 111.1 93.5 140.3  
51 34.7 28.6 43.0  
86 63.2 52.6 79.0

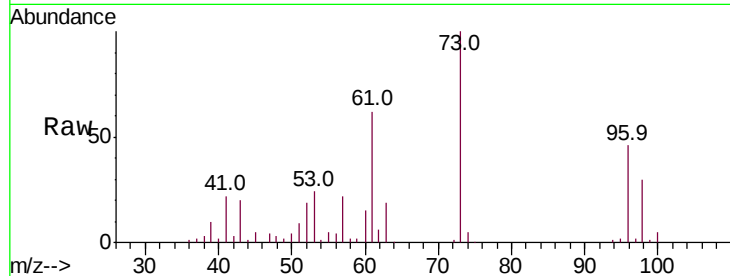




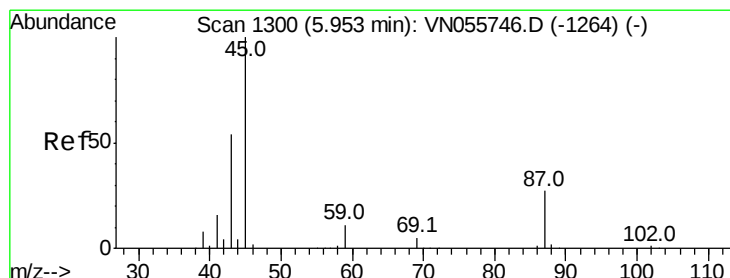
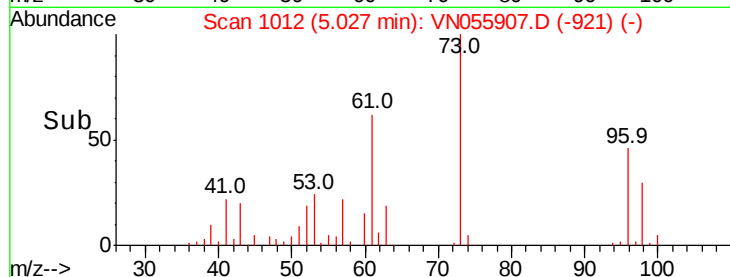
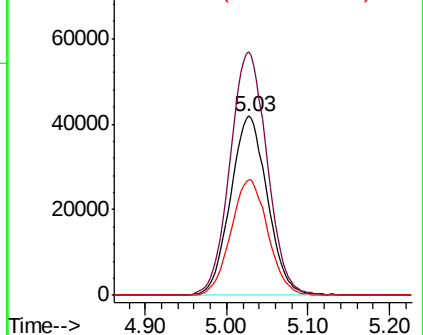
#21  
trans-1,2-Dichloroethene  
Concen: 49.696 ug/l  
RT: 5.03 min Scan# 1012  
Delta R.T. -0.01 min  
Lab File: VN055907.D  
Acq: 31 May 2019 8:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 96 Resp: 132113  
Ion Ratio Lower Upper  
96 100  
61 136.0 107.8 161.8  
98 64.7 49.8 74.8

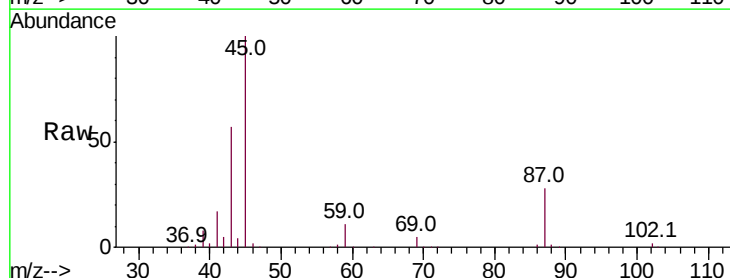


Abundance Ion 95.90 (95.60 to 96.60): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 97.90 (97.60 to 98.60): VN0

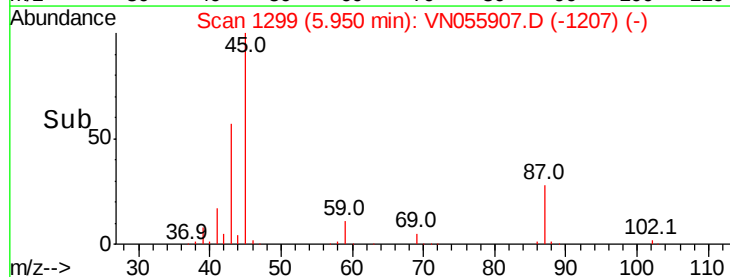
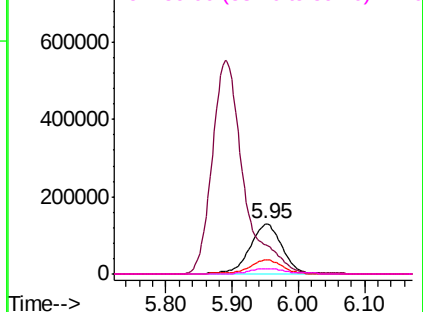


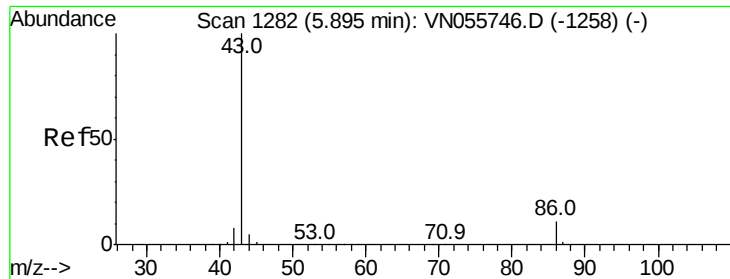
#22  
Diisopropyl ether  
Concen: 53.093 ug/l  
RT: 5.95 min Scan# 1299  
Delta R.T. -0.00 min  
Lab File: VN055907.D  
Acq: 31 May 2019 8:51

Tgt Ion: 45 Resp: 438048  
Ion Ratio Lower Upper  
45 100  
43 56.1 45.0 67.6  
87 27.7 22.2 33.4  
59 11.0 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

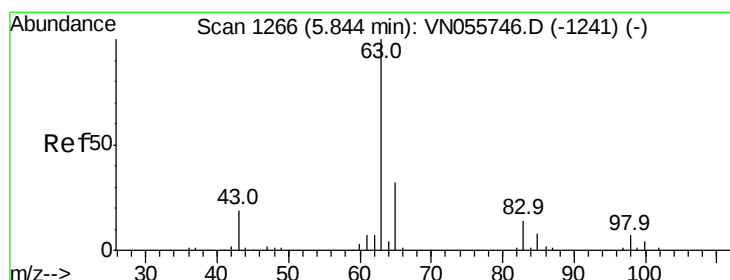
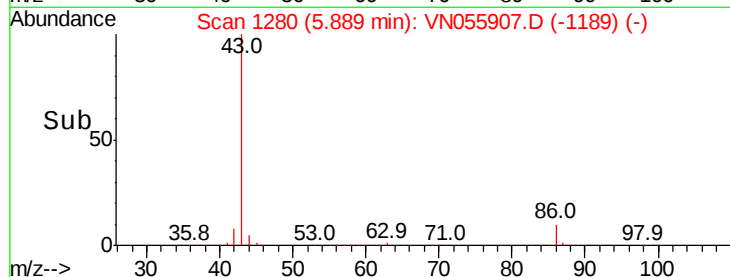
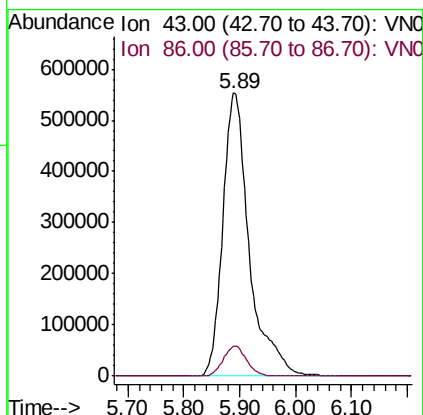
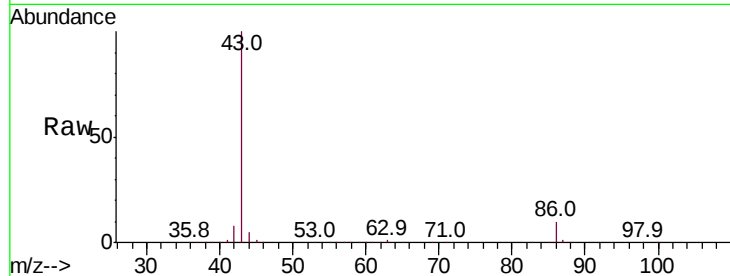




#23  
 Vinyl Acetate  
 Concen: 258.822 ug/l  
 RT: 5.89 min Scan# 1280  
 Delta R.T. -0.01 min  
 Lab File: VN055907.D  
 Acq: 31 May 2019 8:51

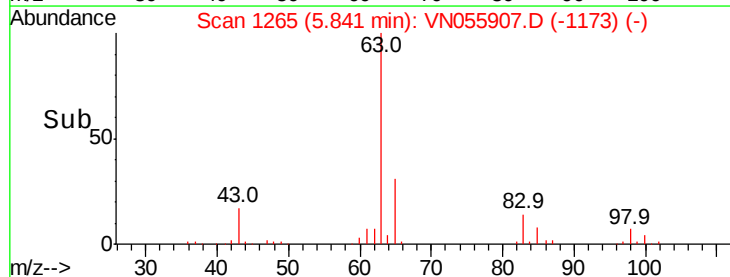
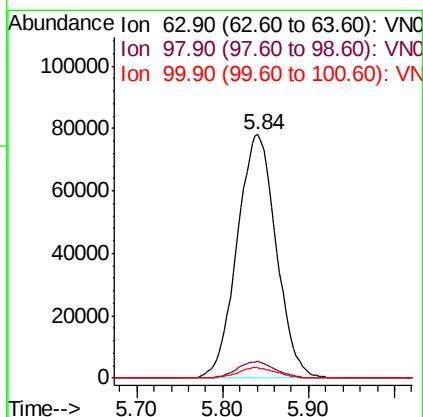
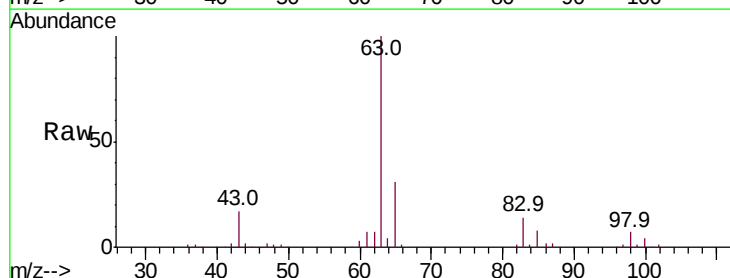
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

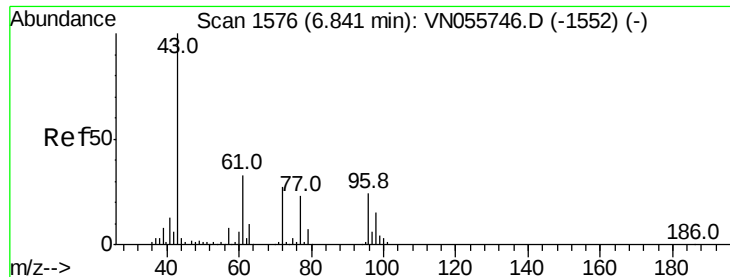
Tot Ion: 43 Resp: 1830874  
 Ion Ratio Lower Upper  
 43 100  
 86 10.5 8.6 13.0



#24  
 1,1-Dichloroethane  
 Concen: 51.301 ug/l  
 RT: 5.84 min Scan# 1265  
 Delta R.T. -0.00 min  
 Lab File: VN055907.D  
 Acq: 31 May 2019 8:51

Tgt Ion: 63 Resp: 246436  
 Ion Ratio Lower Upper  
 63 100  
 98 6.7 3.4 10.1  
 100 4.2 2.2 6.6





#25

2-Butanone

Concen: 282.935 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA\_N

ClientSampleId :

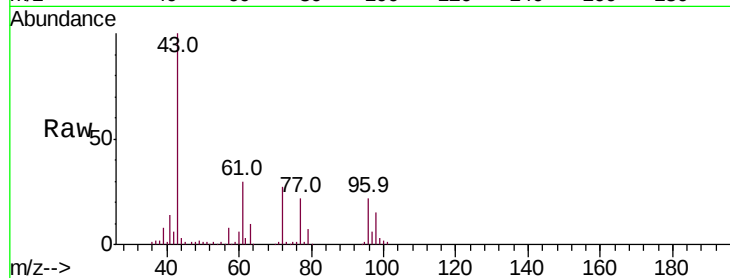
VSTDCCC050

Tot Ion: 43 Resp: 521911

Ion Ratio Lower Upper

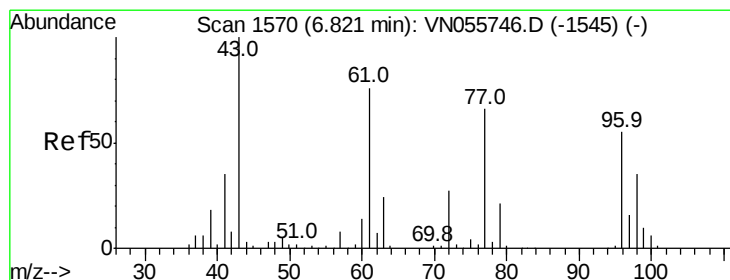
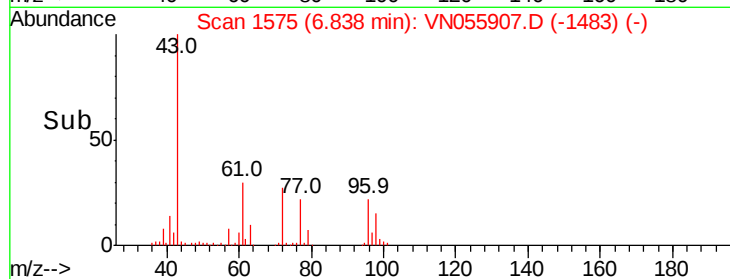
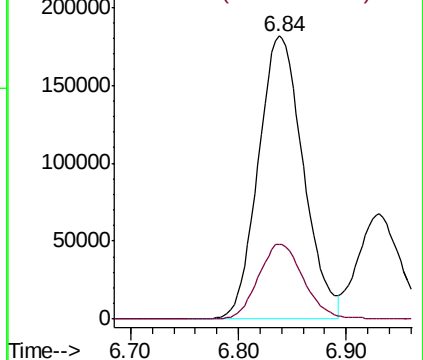
43 100

72 26.6 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 49.852 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN055907.D

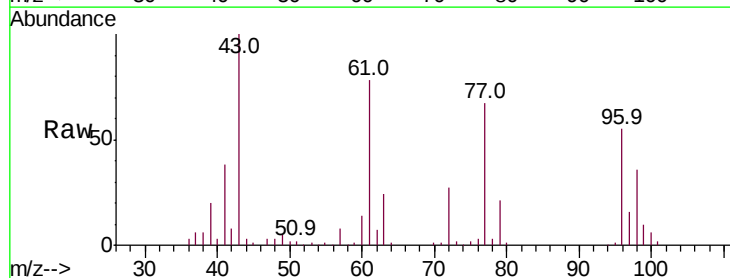
Acq: 31 May 2019 8:51

Tgt Ion: 77 Resp: 207253

Ion Ratio Lower Upper

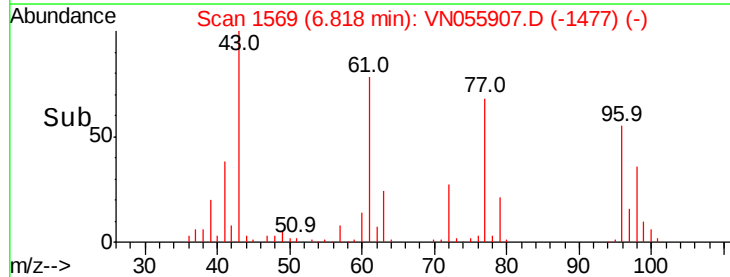
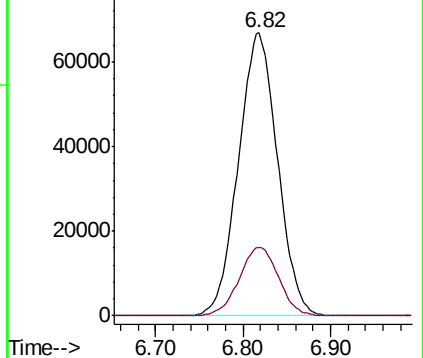
77 100

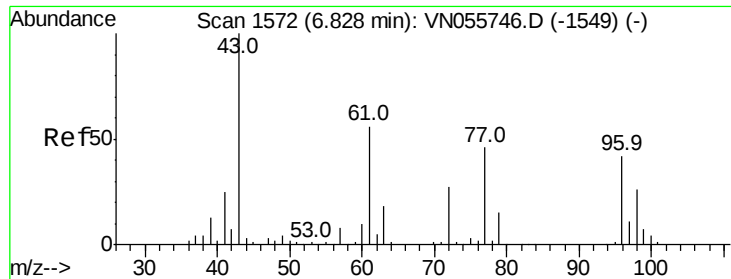
97 24.4 12.2 36.6



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: 51.627 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

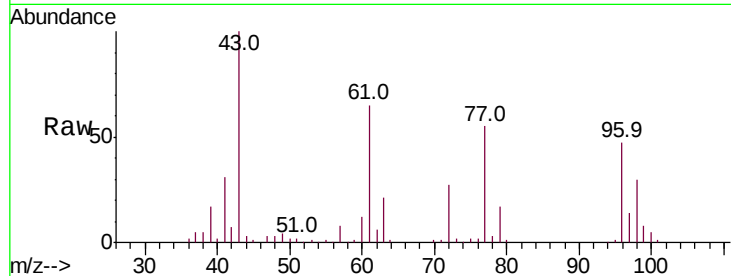
Tot Ion: 96 Resp: 160121

Ion Ratio Lower Upper

96 100

61 139.7 0.0 275.8

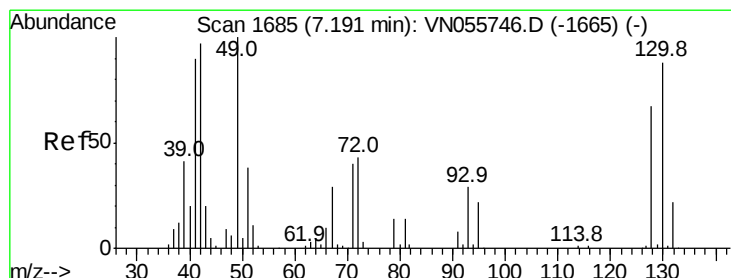
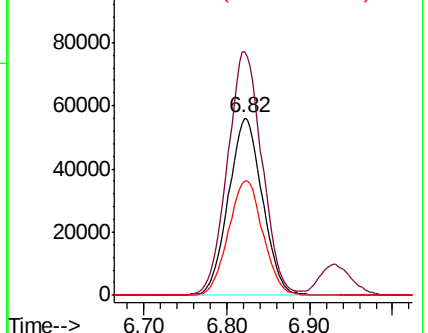
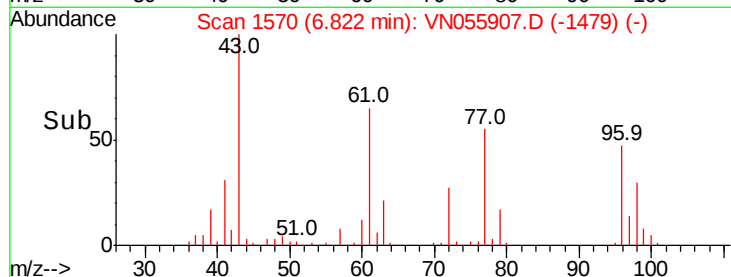
98 65.6 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 52.604 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

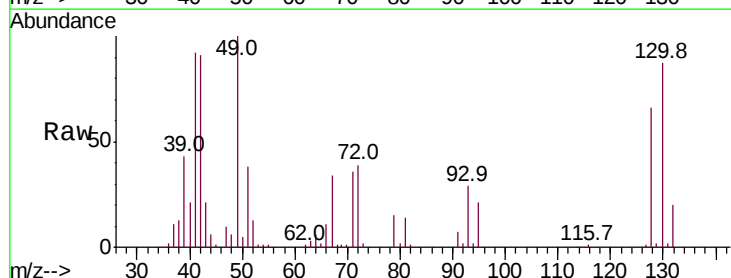
Tgt Ion: 49 Resp: 120312

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.4

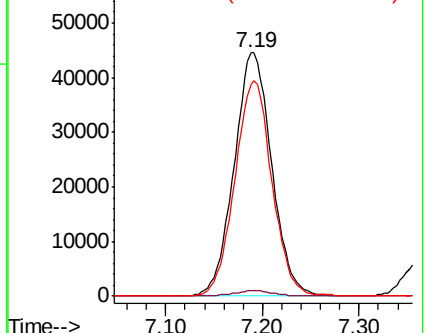
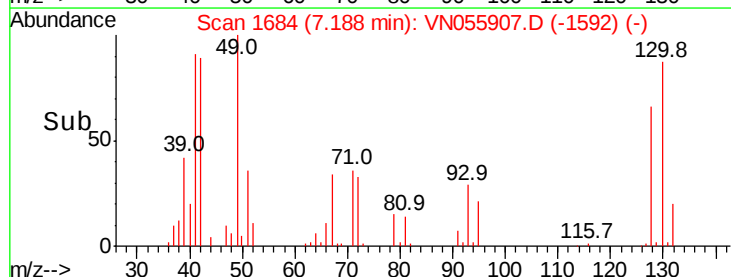
130 87.1 71.2 106.8

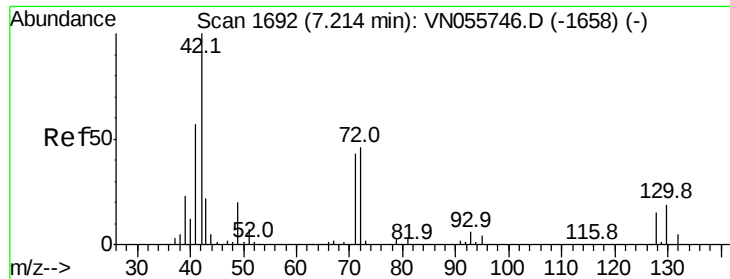


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

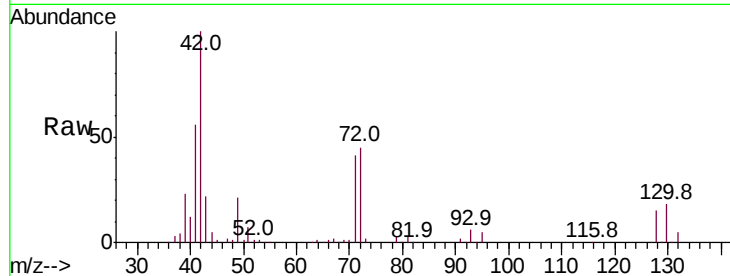




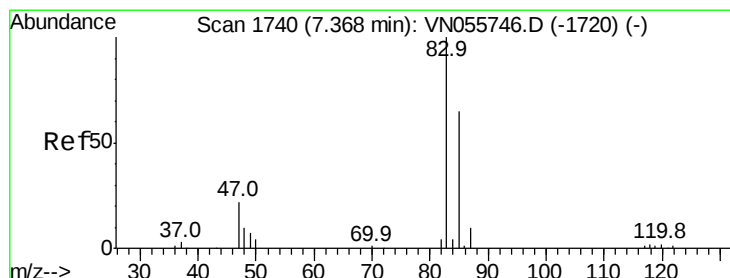
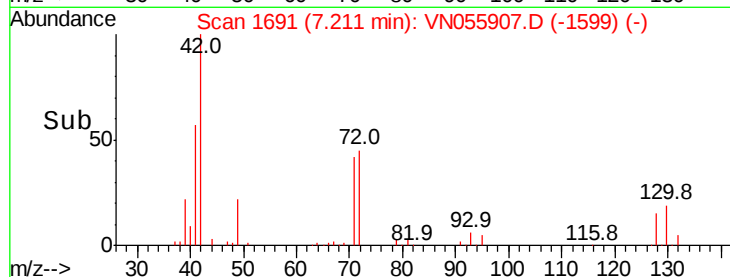
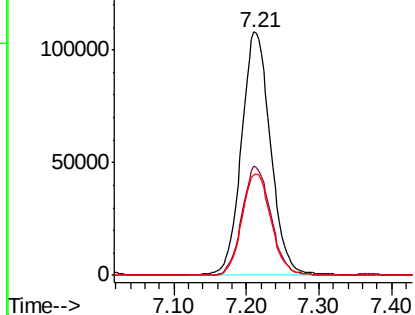
#29  
Tetrahydrofuran  
Concen: 259.140 ug/l  
RT: 7.21 min Scan# 1691  
Delta R.T. -0.00 min  
Lab File: VN055907.D  
Acq: 31 May 2019 8:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | 42   | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 42      | 100  |       |       |       |
| 72      | 44.2 | 35.9  | 53.9  |       |
| 71      | 41.6 | 34.0  | 51.0  |       |

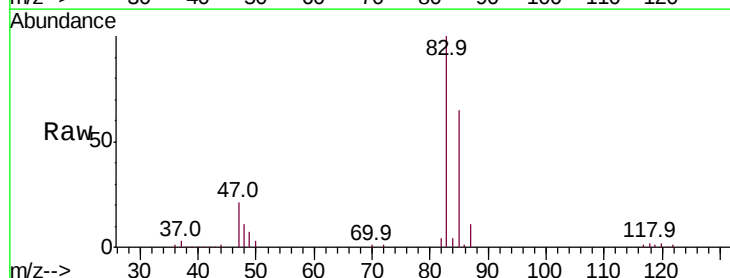


Abundance Ion 42.00 (41.70 to 42.70): VN0  
Ion 72.00 (71.70 to 72.70): VN0  
Ion 71.00 (70.70 to 71.70): VN0

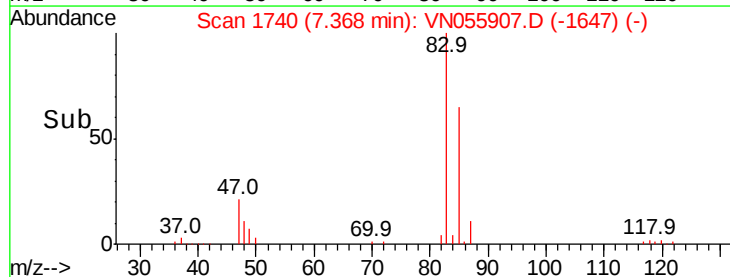
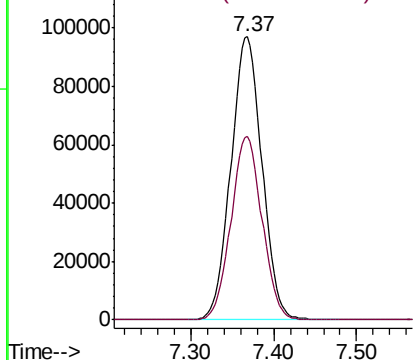


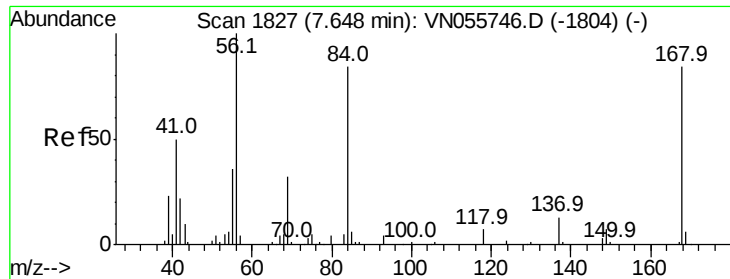
#30  
Chloroform  
Concen: 52.781 ug/l  
RT: 7.37 min Scan# 1740  
Delta R.T. 0.00 min  
Lab File: VN055907.D  
Acq: 31 May 2019 8:51

| Tgt Ion | 83   | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 83      | 100  |       |       |       |
| 85      | 64.8 | 51.8  | 77.8  |       |



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

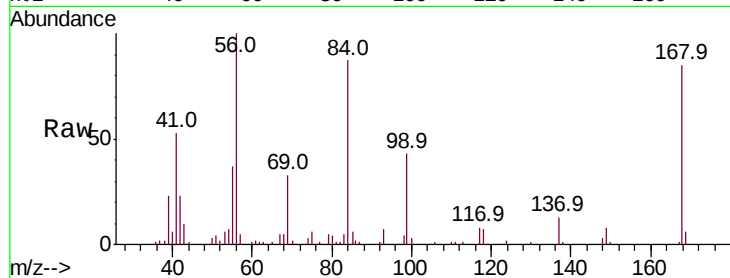




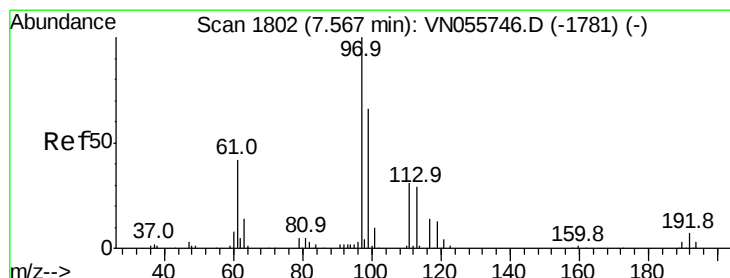
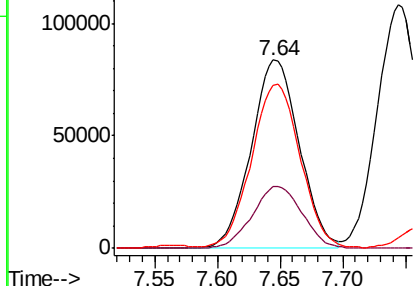
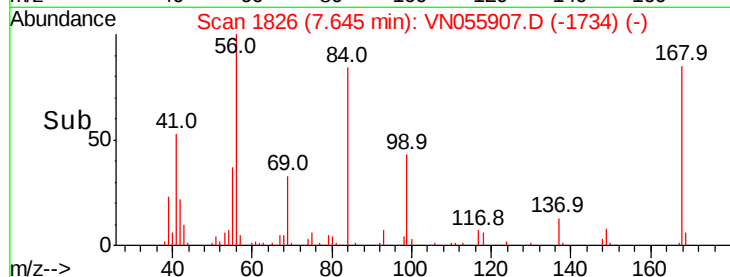
#31  
Cyclohexane  
Concen: 49.616 ug/l  
RT: 7.64 min Scan# 1826  
Delta R.T. -0.00 min  
Lab File: VN055907.D  
Acq: 31 May 2019 8:51

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

Tot Ion: 56 Resp: 223767  
Ion Ratio Lower Upper  
56 100  
69 32.6 25.6 38.4  
84 85.6 67.4 101.0

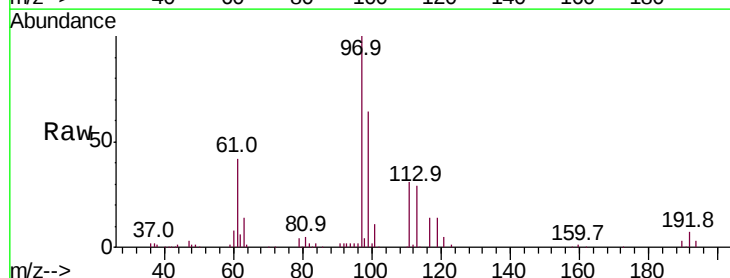


Abundance Ion 56.00 (55.70 to 56.70): VNC  
Ion 69.00 (68.70 to 69.70): VNC  
Ion 84.00 (83.70 to 84.70): VNC

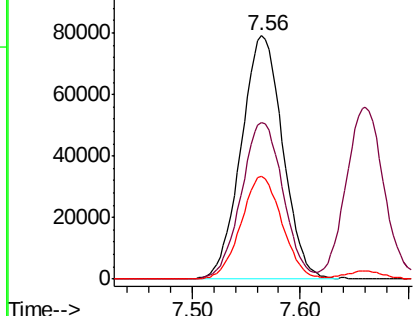
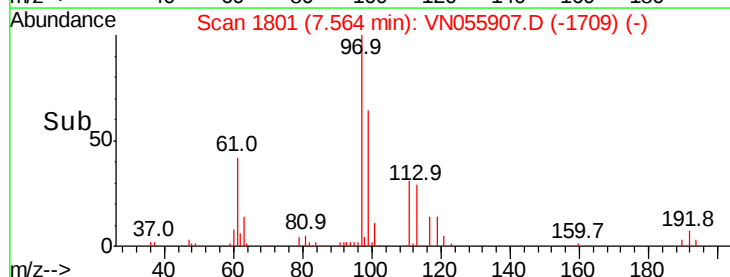


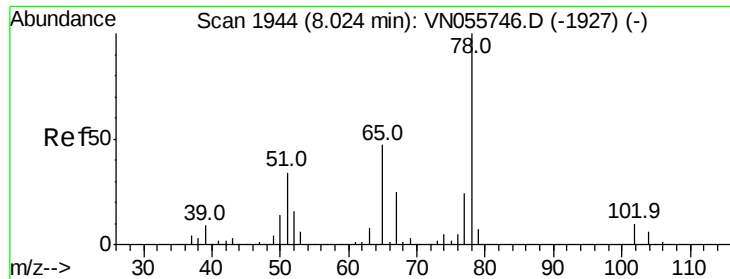
#32  
1,1,1-Trichloroethane  
Concen: 49.584 ug/l  
RT: 7.56 min Scan# 1801  
Delta R.T. -0.00 min  
Lab File: VN055907.D  
Acq: 31 May 2019 8:51

Tgt Ion: 97 Resp: 211972  
Ion Ratio Lower Upper  
97 100  
99 64.8 52.0 78.0  
61 41.7 32.9 49.3



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

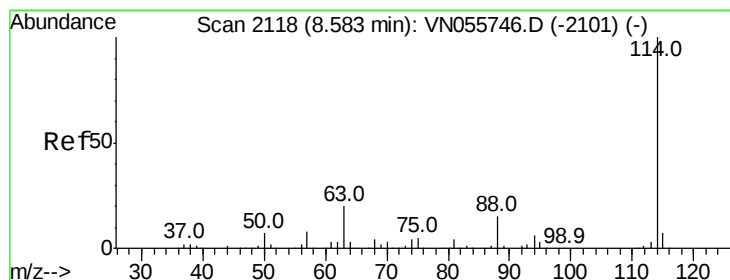
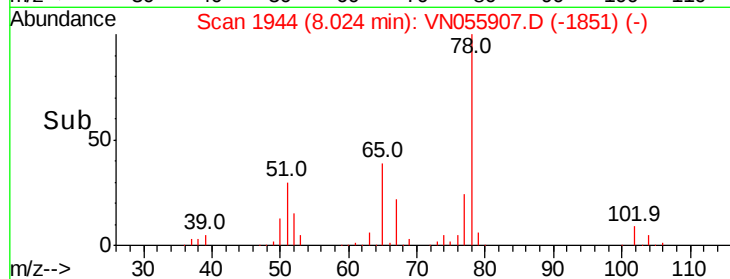
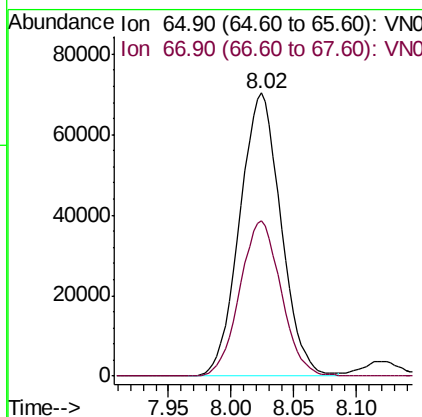
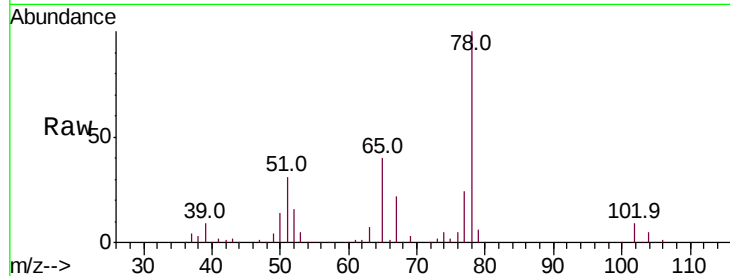




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.582 ug/l  
 RT: 8.02 min Scan# 1944  
 Delta R.T. 0.00 min  
 Lab File: VN055907.D  
 Acq: 31 May 2019 8:51

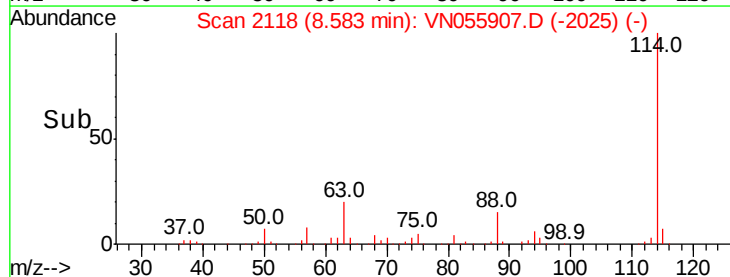
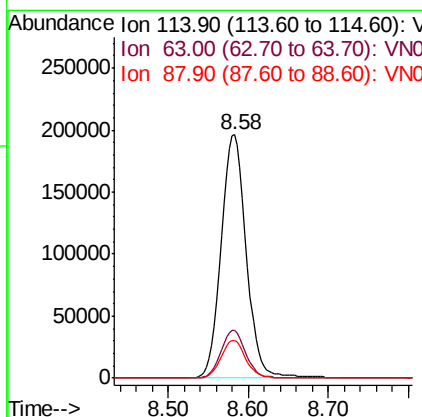
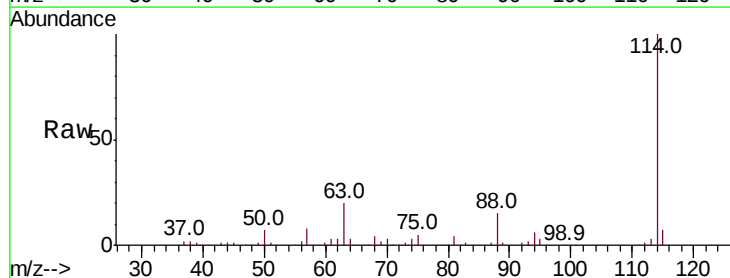
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 65 Resp: 160999  
 Ion Ratio Lower Upper  
 65 100  
 67 55.0 0.0 109.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN055907.D  
 Acq: 31 May 2019 8:51

Tgt Ion: 114 Resp: 424793  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 39.2  
 88 15.4 0.0 31.0

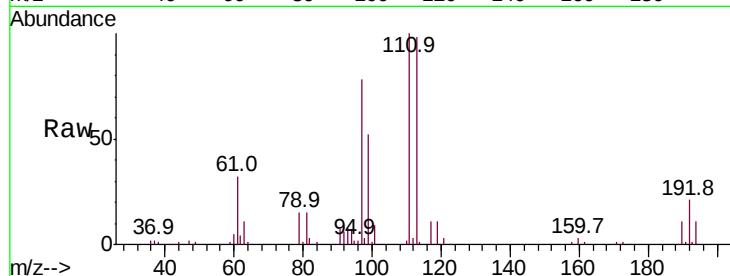




#35  
 Dibromofluoromethane  
 Concen: 52.858 ug/l  
 RT: 7.58 min Scan# 1807  
 Delta R.T. -0.01 min  
 Lab File: VN055907.D  
 Acq: 31 May 2019 8:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.9 | 81.9  | 122.9 |
| 192     | 22.8  | 19.5  | 29.3  |

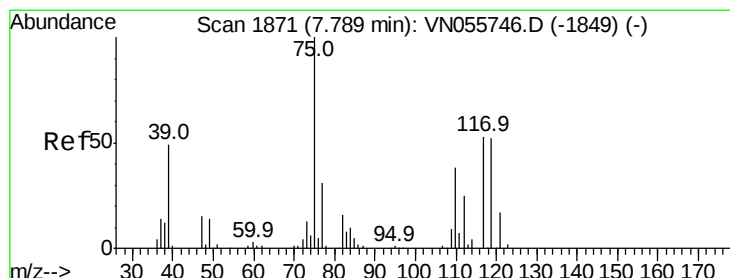
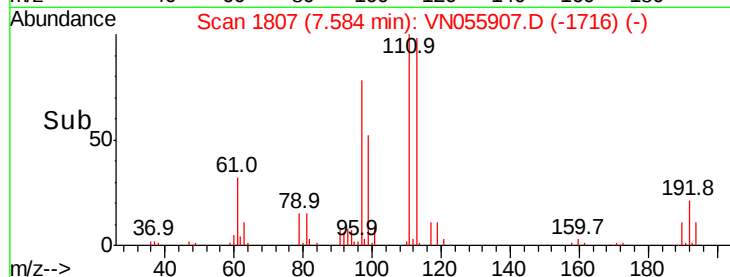
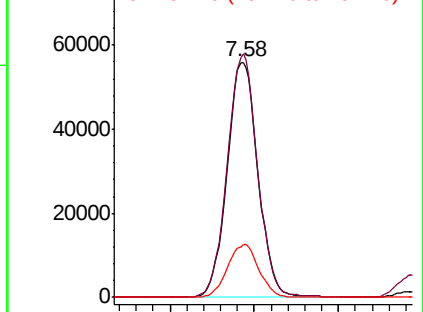


Abundance

Ion 112.80 (112.50 to 113.50): V

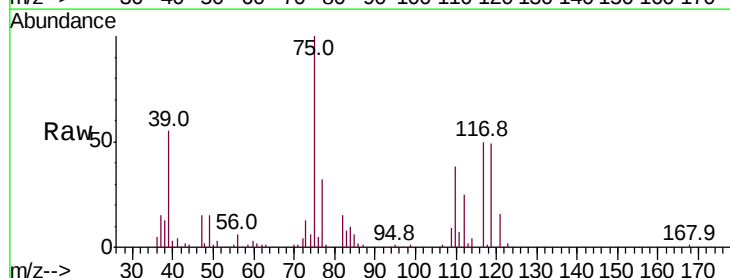
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36  
 1,1-Dichloropropene  
 Concen: 49.789 ug/l  
 RT: 7.79 min Scan# 1870  
 Delta R.T. -0.00 min  
 Lab File: VN055907.D  
 Acq: 31 May 2019 8:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 37.9  | 19.0  | 57.0  |
| 77      | 31.6  | 25.1  | 37.7  |

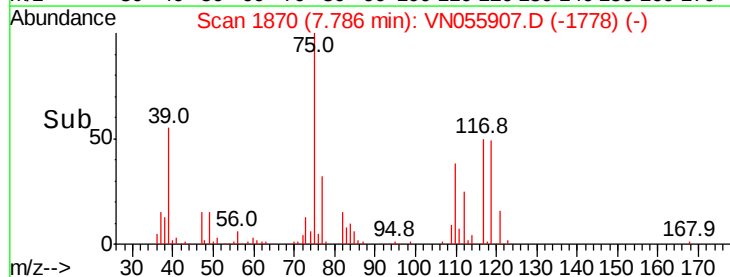
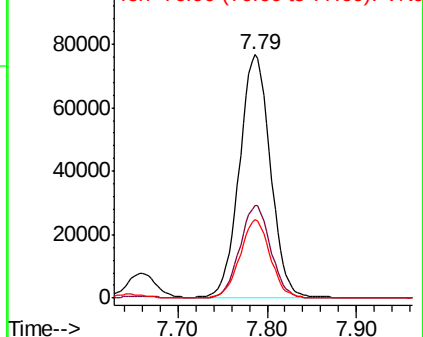


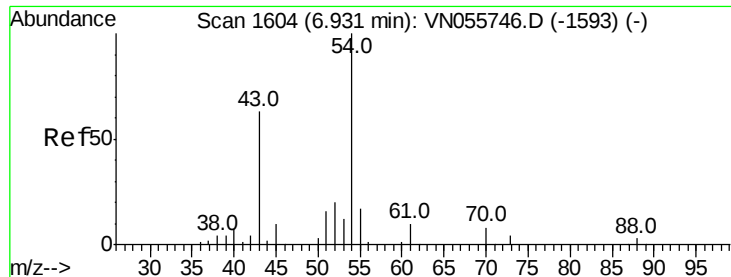
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 52.494 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

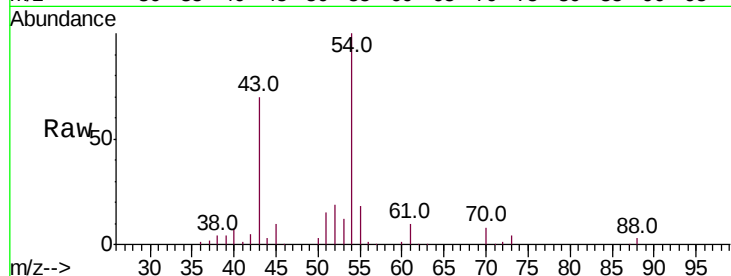
Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 187817

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 14.3  | 12.2  | 18.2  |
| 70  | 10.5  | 8.9   | 13.3  |

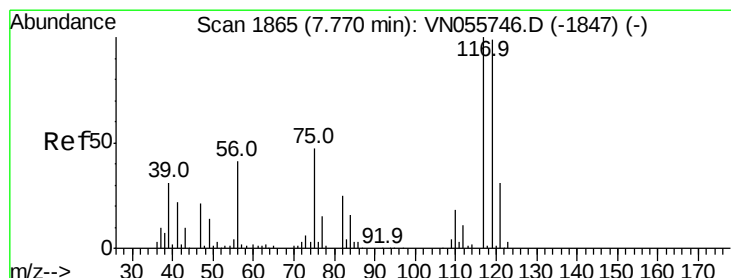
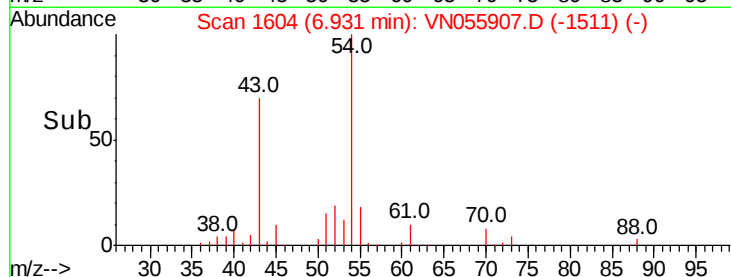
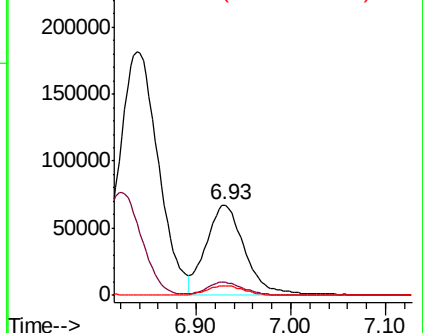


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0



#38

Carbon Tetrachloride

Concen: 46.890 ug/l

RT: 7.77 min Scan# 1864

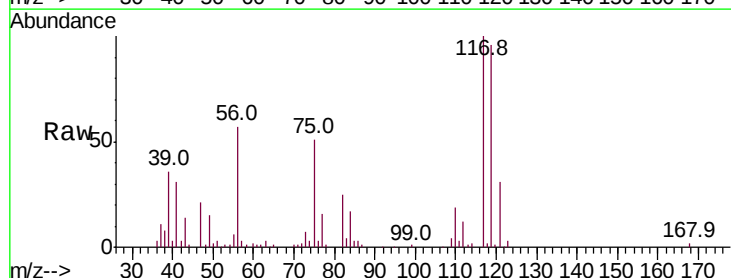
Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Tgt Ion: 117 Resp: 180810

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 96.7  | 79.0  | 118.6 |
| 121 | 30.9  | 24.7  | 37.1  |

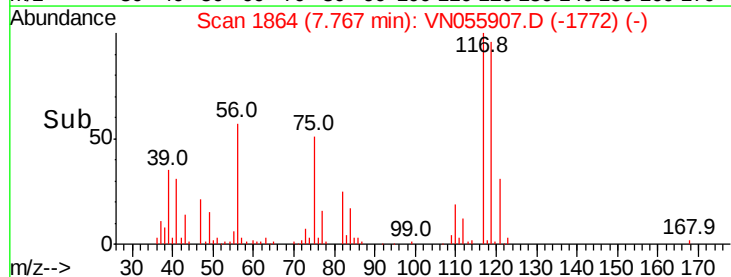
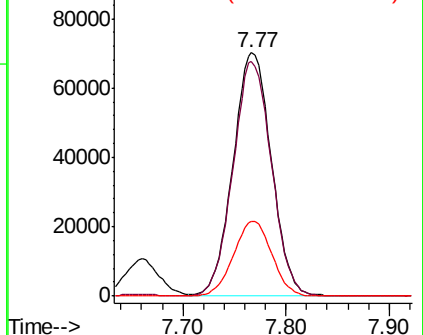


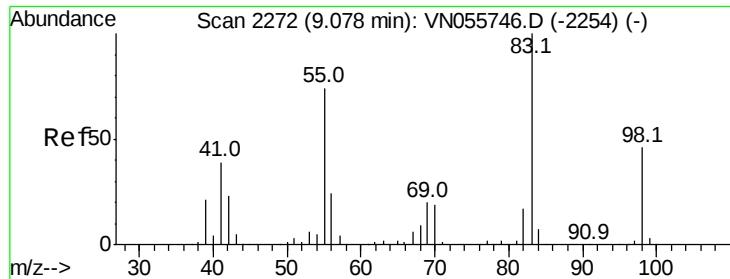
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

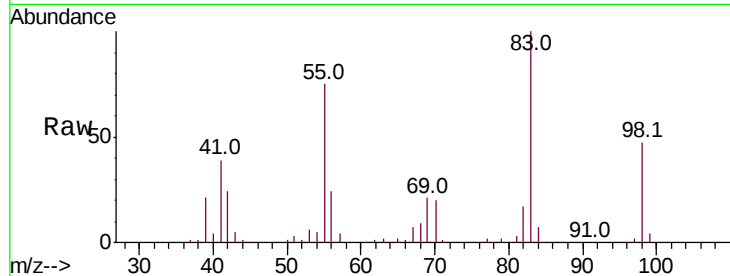




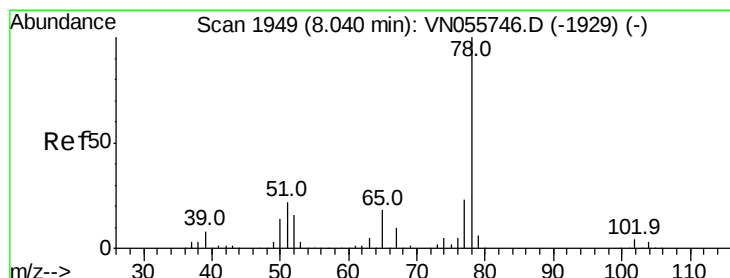
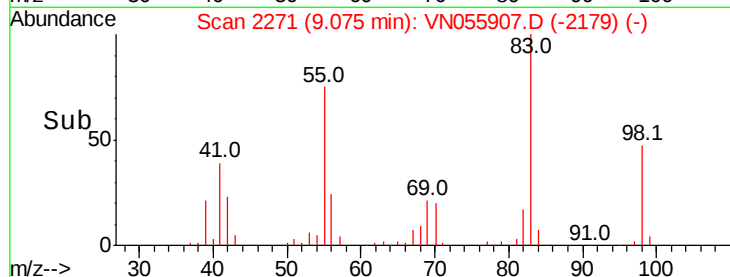
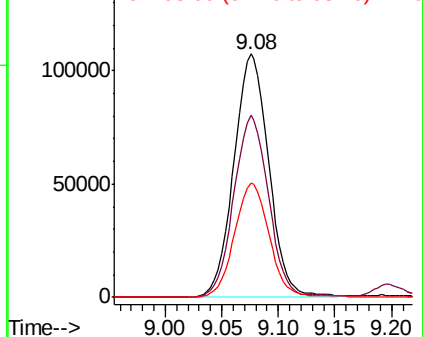
#39  
Methvlcvclohexane  
Concen: 50.554 ug/l  
RT: 9.08 min Scan# 2271  
Delta R.T. -0.00 min  
Lab File: VN055907.D  
Acq: 31 May 2019 8:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 83 Resp: 231746  
Ion Ratio Lower Upper  
83 100  
55 74.6 59.3 88.9  
98 47.2 36.6 54.8

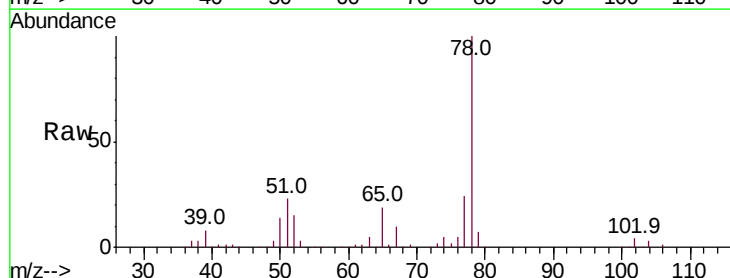


Abundance Ion 83.00 (82.70 to 83.70): VN0  
Ion 55.00 (54.70 to 55.70): VN0  
Ion 98.00 (97.70 to 98.70): VN0

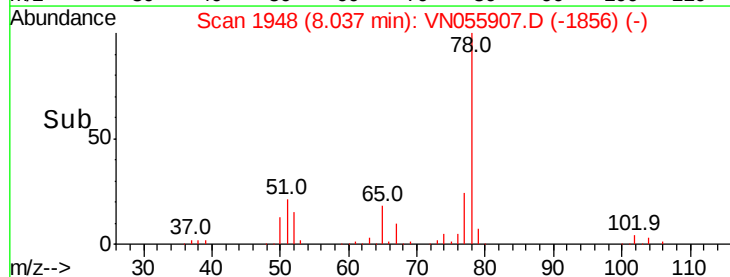
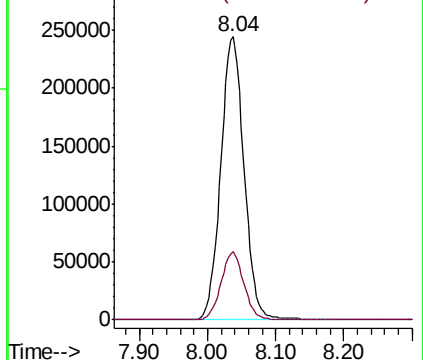


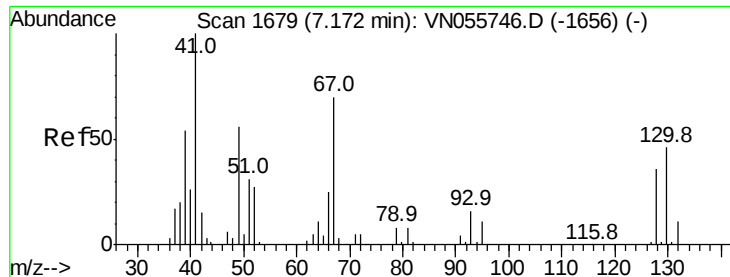
#40  
Benzene  
Concen: 51.914 ug/l  
RT: 8.04 min Scan# 1948  
Delta R.T. -0.00 min  
Lab File: VN055907.D  
Acq: 31 May 2019 8:51

Tgt Ion: 78 Resp: 579199  
Ion Ratio Lower Upper  
78 100  
77 24.0 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0  
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 50.392 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 91087

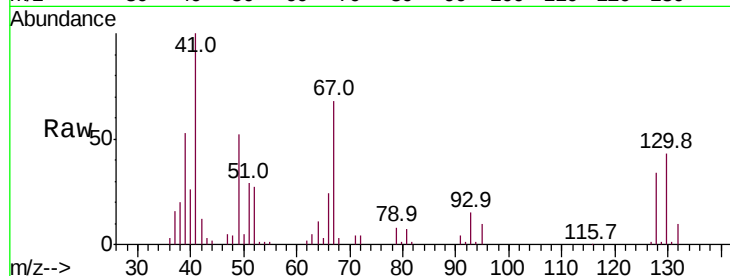
Ion Ratio Lower Upper

41 100

39 56.4 45.6 68.4

67 84.1 67.7 101.5

52 33.5 26.6 40.0

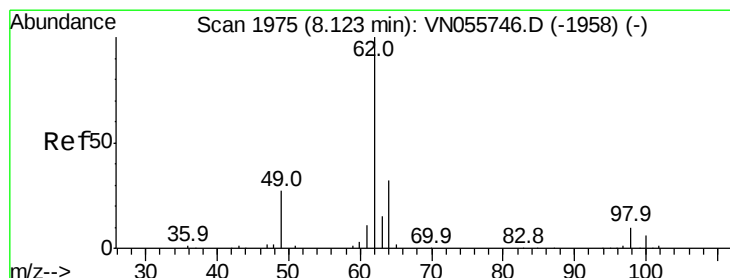
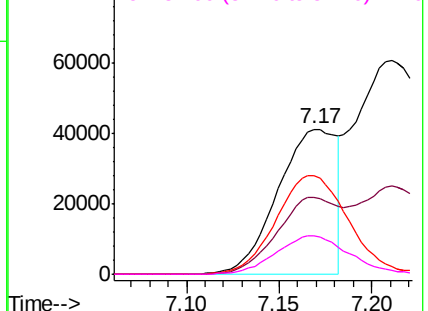
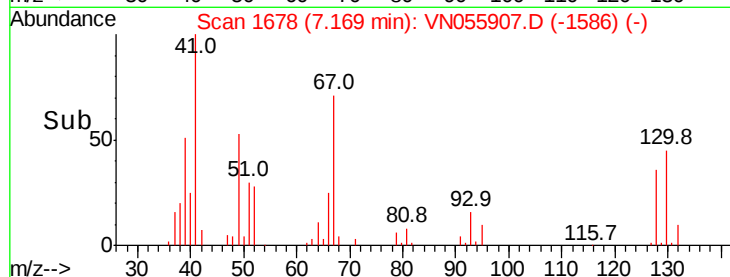


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 51.677 ug/l

RT: 8.12 min Scan# 1974

Delta R.T. -0.00 min

Lab File: VN055907.D

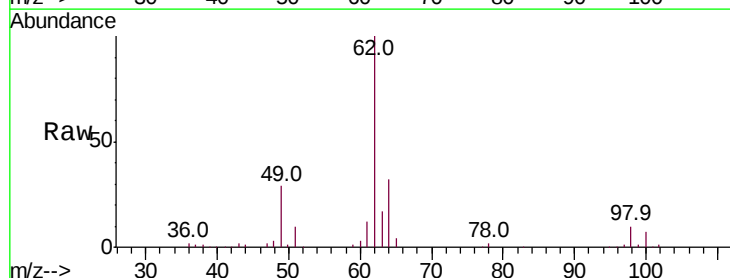
Acq: 31 May 2019 8:51

Tgt Ion: 62 Resp: 188395

Ion Ratio Lower Upper

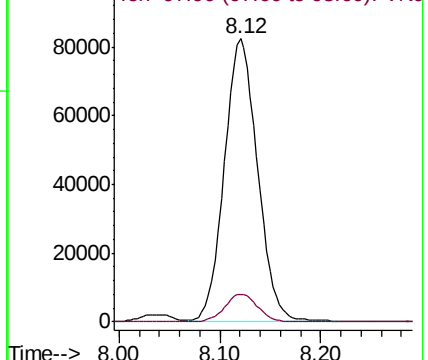
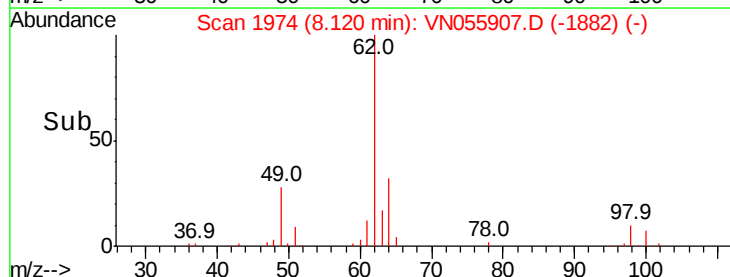
62 100

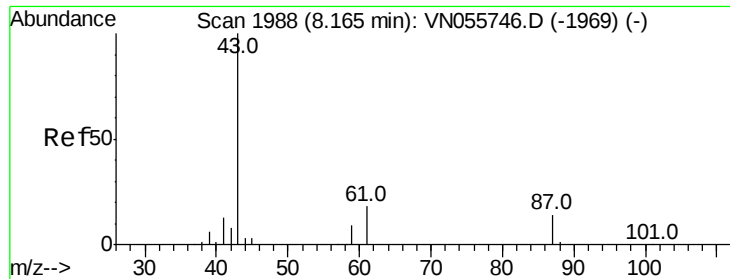
98 9.7 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 50.552 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

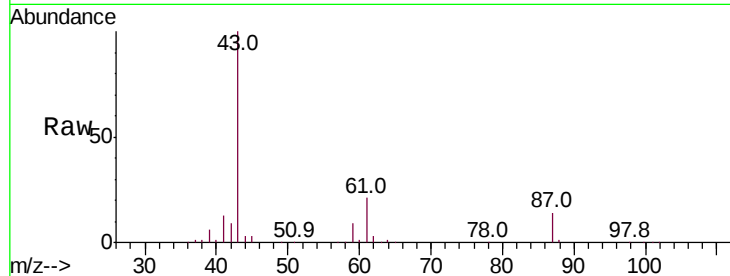
Tot Ion: 43 Resp: 303894

Ion Ratio Lower Upper

43 100

61 21.3 22.2 33.4#

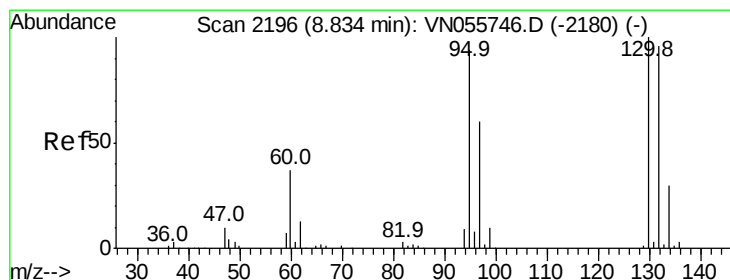
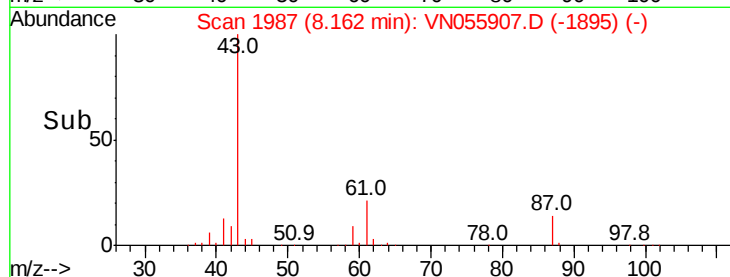
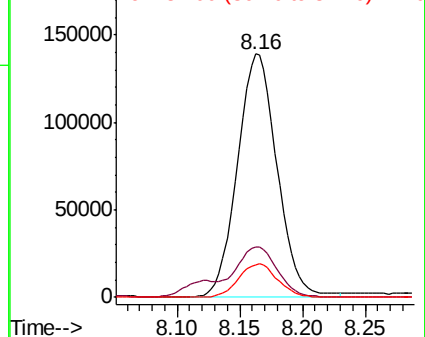
87 13.8 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055746.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1969) (-)



#44

Trichloroethene

Concen: 51.440 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN055907.D

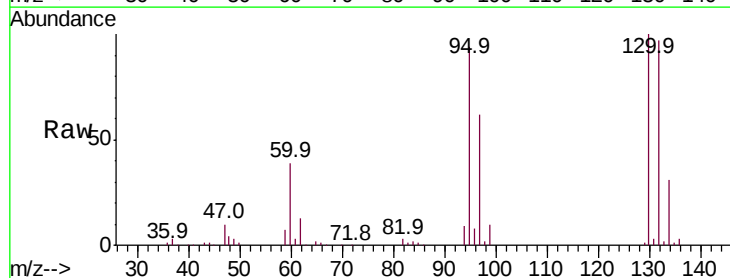
Acq: 31 May 2019 8:51

Tgt Ion:130 Resp: 159994

Ion Ratio Lower Upper

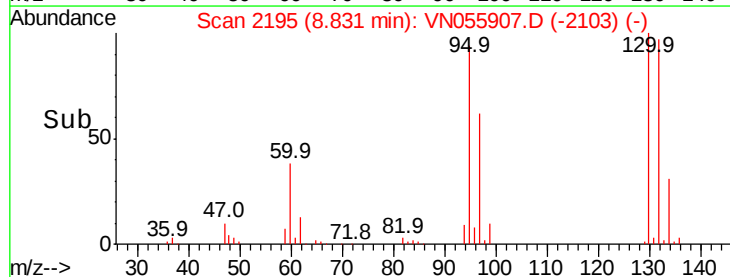
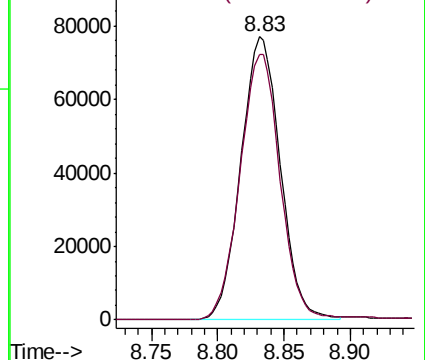
130 100

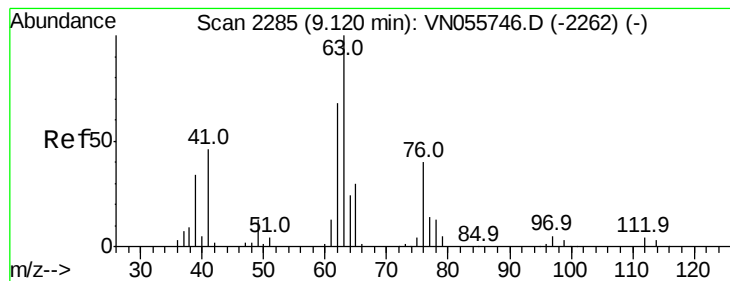
95 93.9 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055746.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 52.827 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA\_N

ClientSampleId :

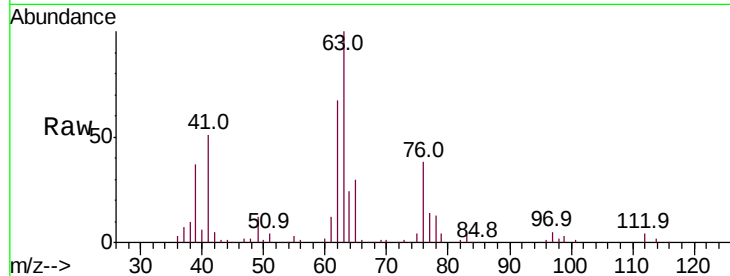
VSTDCCC050

Tot Ion: 63 Resp: 153558

Ion Ratio Lower Upper

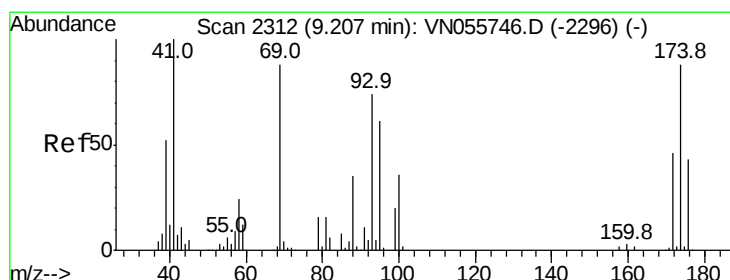
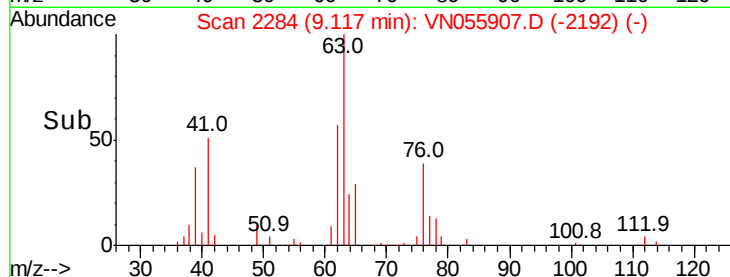
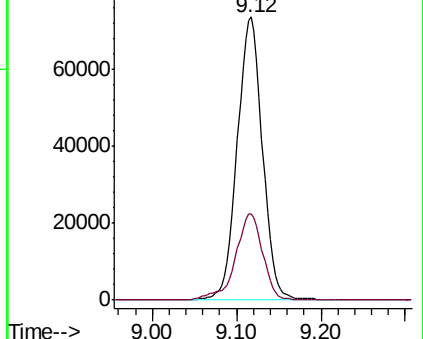
63 100

65 30.4 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 52.675 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

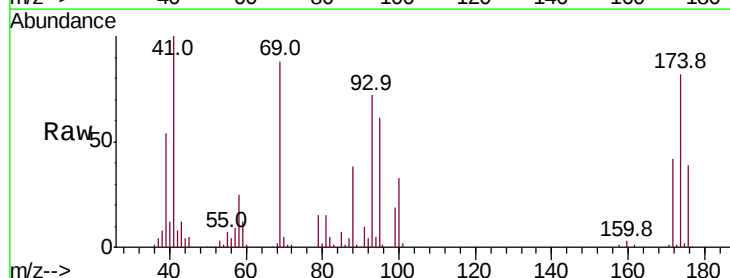
Tgt Ion: 93 Resp: 100417

Ion Ratio Lower Upper

93 100

95 83.9 66.7 100.1

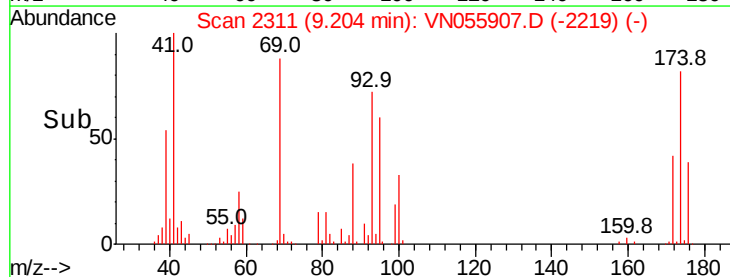
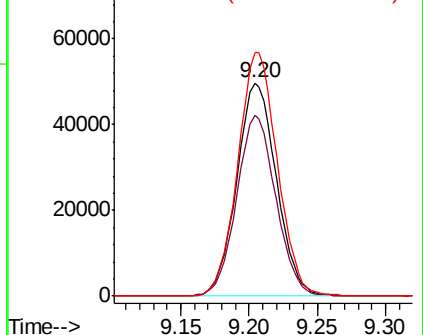
174 114.2 96.4 144.6

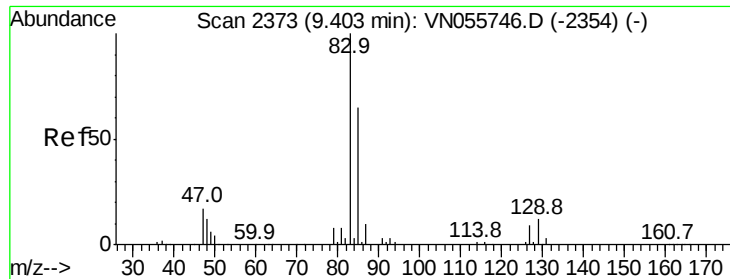


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.078 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

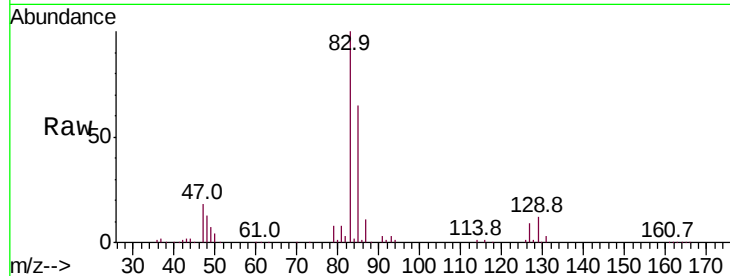
Tot Ion: 83 Resp: 195754

Ion Ratio Lower Upper

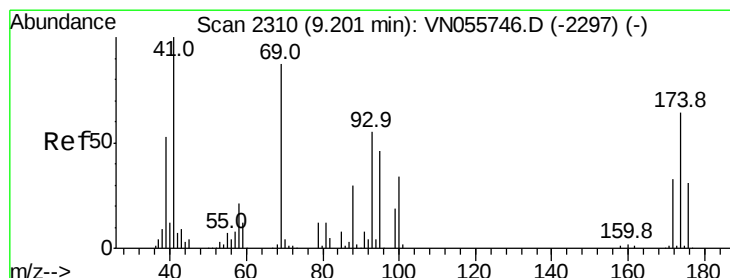
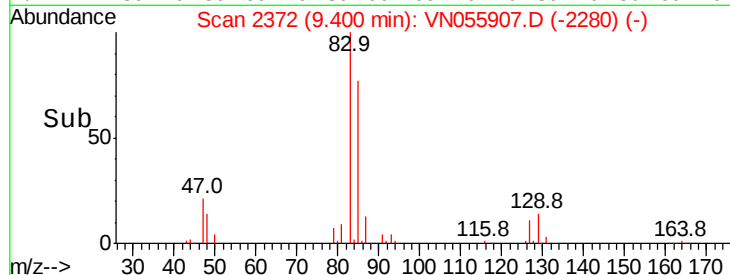
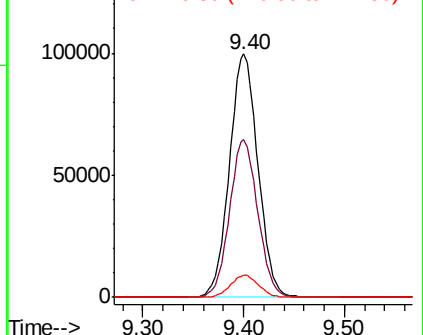
83 100

85 65.1 52.2 78.2

127 9.1 7.4 11.0



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



#48

Methyl methacrylate

Concen: 54.012 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

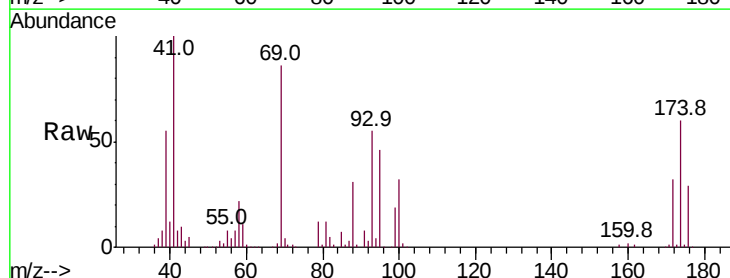
Tgt Ion: 41 Resp: 149643

Ion Ratio Lower Upper

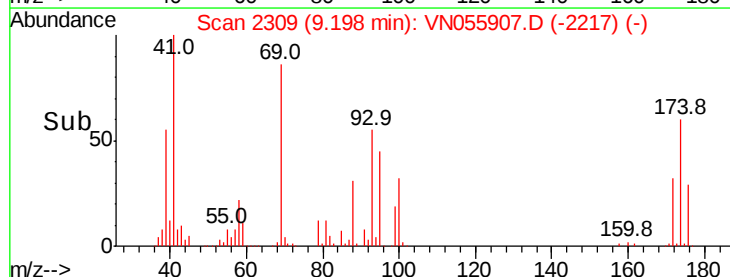
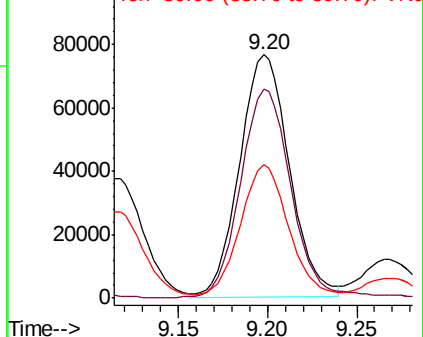
41 100

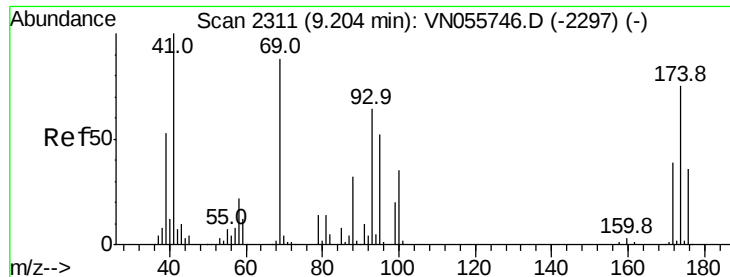
69 87.0 71.0 106.6

39 53.3 44.2 66.2



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





#49

1,4-Dioxane

Concen: 1110.500 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

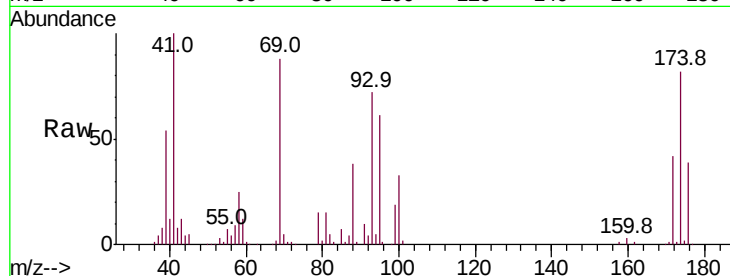
Tot Ion: 88 Resp: 63936

Ion Ratio Lower Upper

88 100

43 26.3 20.5 30.7

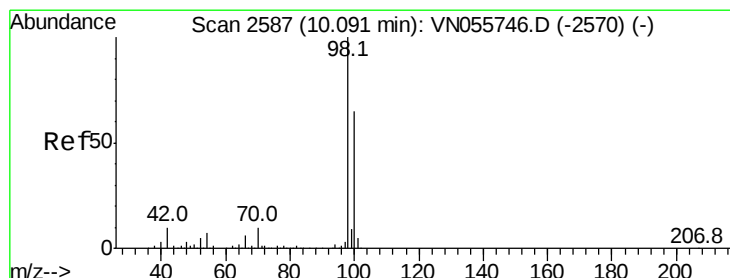
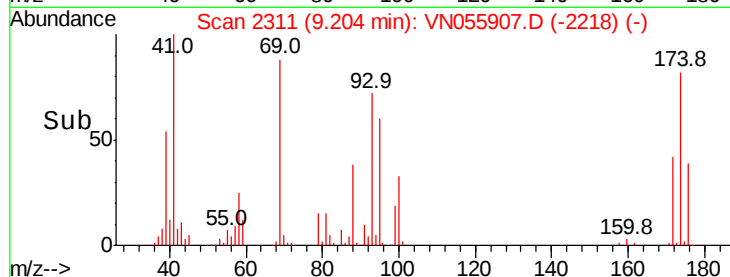
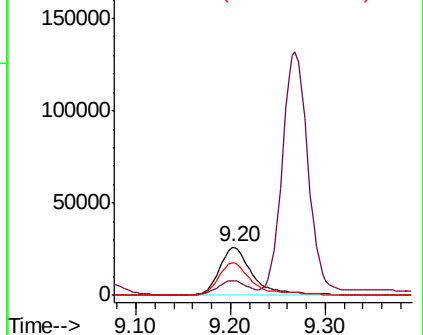
58 70.4 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VN055907.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN055907.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN055907.D (-2297) (-)



#50

Toluene-d8

Concen: 52.817 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055907.D

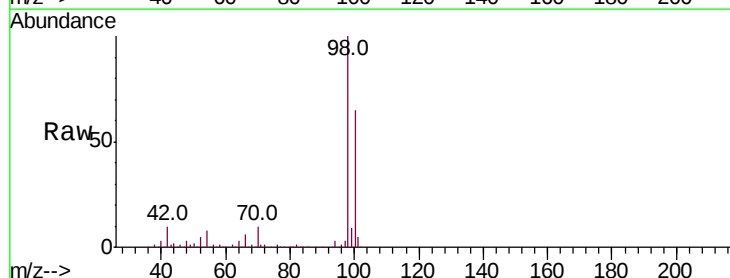
Acq: 31 May 2019 8:51

Tgt Ion: 98 Resp: 544117

Ion Ratio Lower Upper

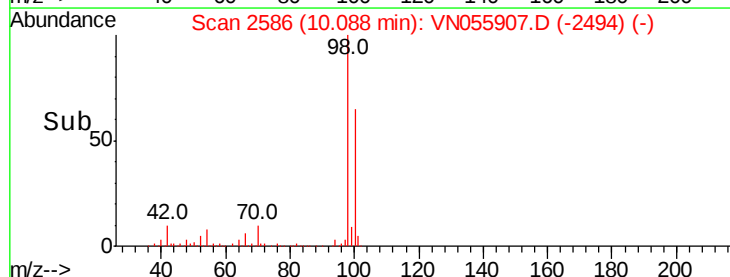
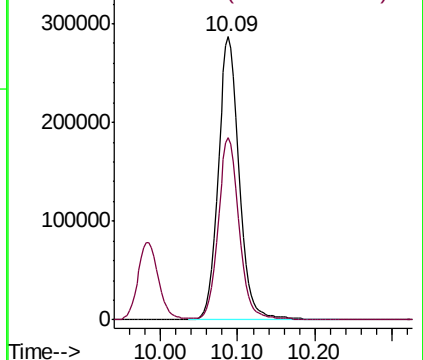
98 100

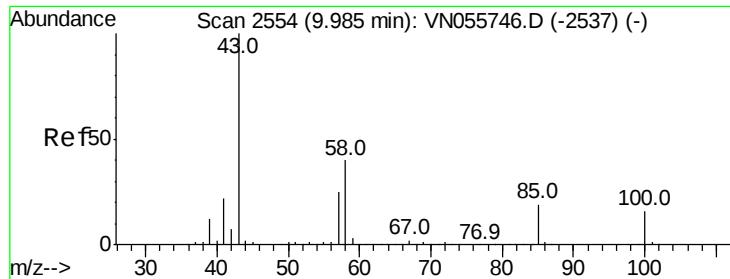
100 64.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055907.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055907.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 263.527 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA\_N

ClientSampleId :

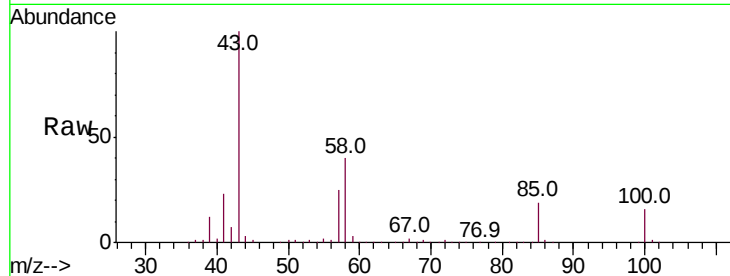
VSTDCCC050

Tot Ion: 43 Resp: 935621

Ion Ratio Lower Upper

43 100

58 40.0 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055746.D (-2537) (-)

9.98

500000

400000

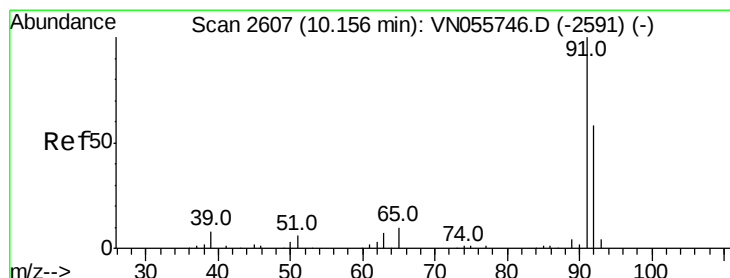
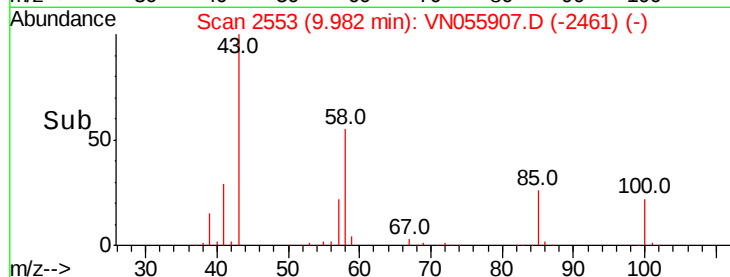
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.545 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055907.D

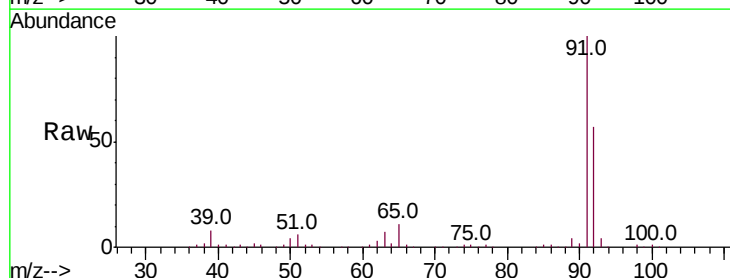
Acq: 31 May 2019 8:51

Tgt Ion: 92 Resp: 368699

Ion Ratio Lower Upper

92 100

91 174.0 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN055746.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055746.D (-2591) (-)

10.15

400000

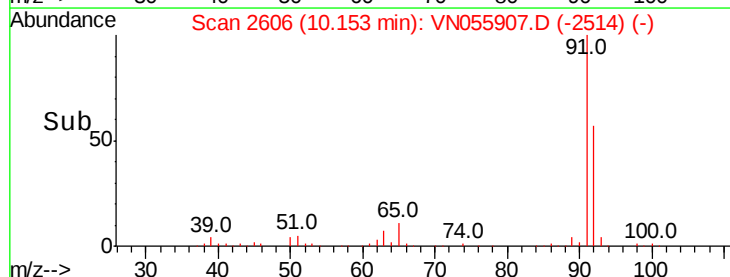
300000

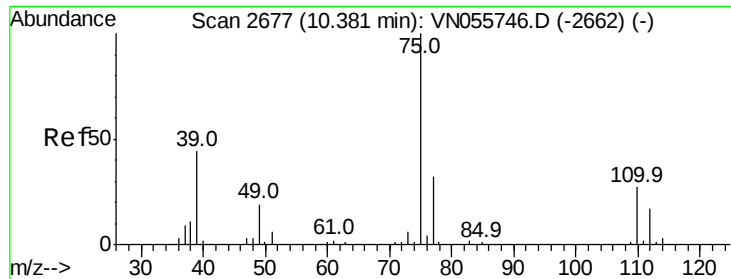
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.667 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA\_N

ClientSampleId :

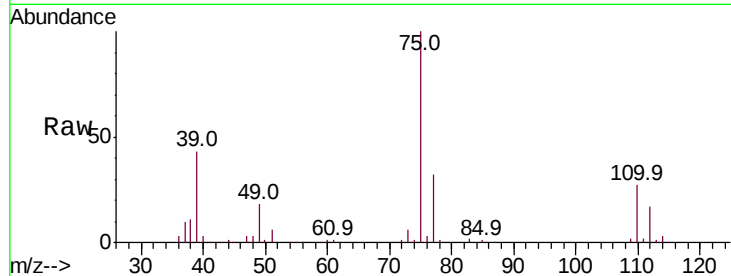
VSTDCCC050

Tot Ion: 75 Resp: 211408

Ion Ratio Lower Upper

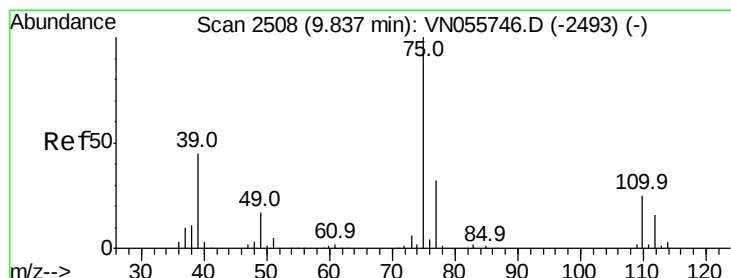
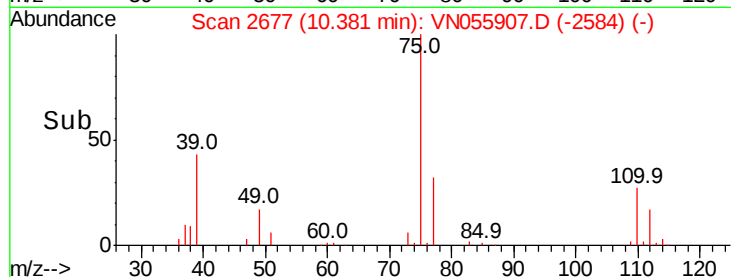
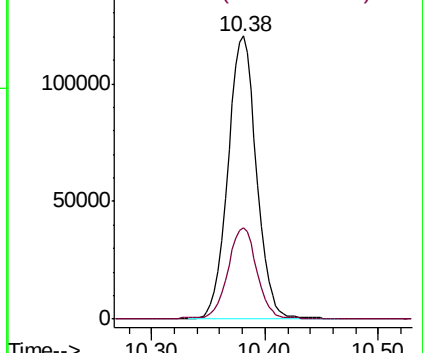
75 100

77 32.1 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 51.426 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

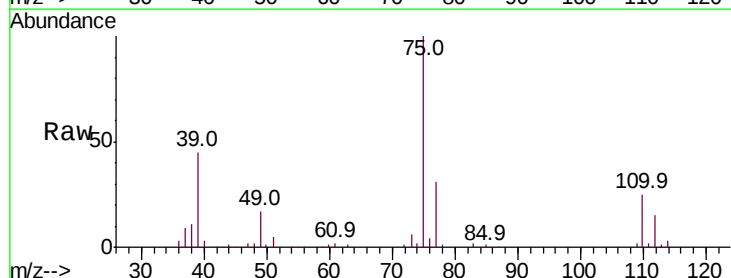
Tgt Ion: 75 Resp: 237708

Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.0

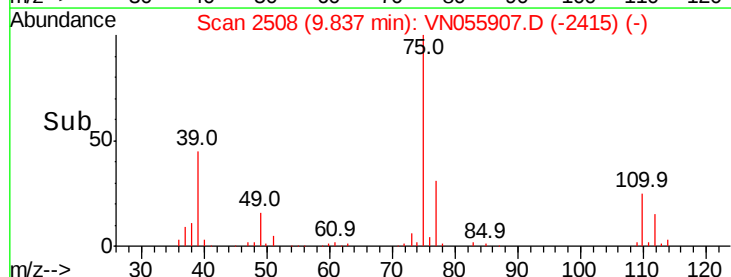
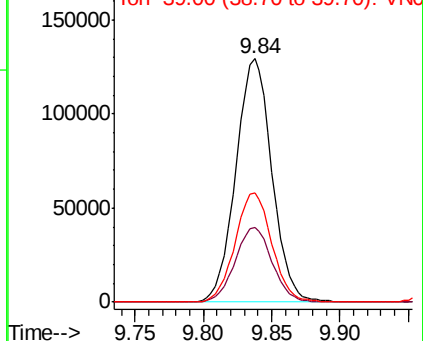
39 45.1 36.3 54.5

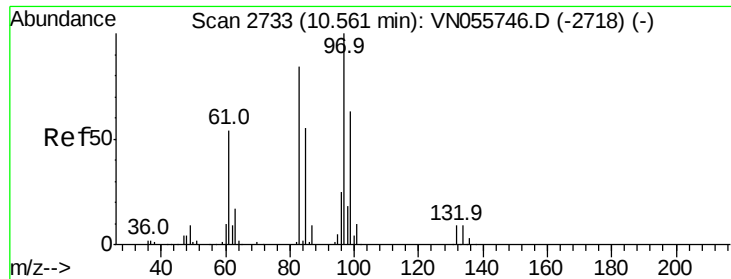


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 52.566 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 147763

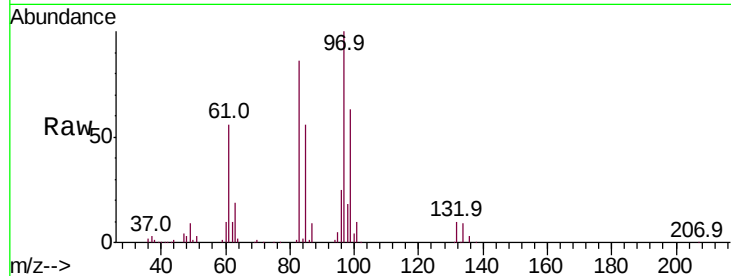
Ion Ratio Lower Upper

97 100

83 86.5 67.0 100.6

85 56.3 44.0 66.0

99 62.6 50.6 75.8

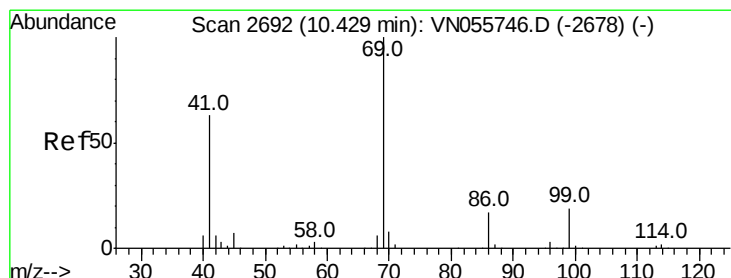
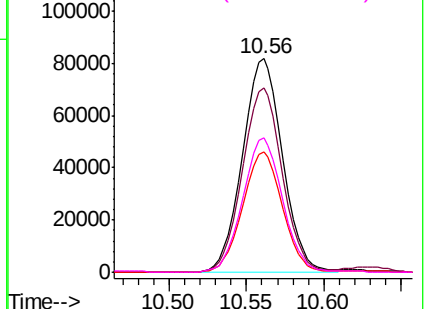
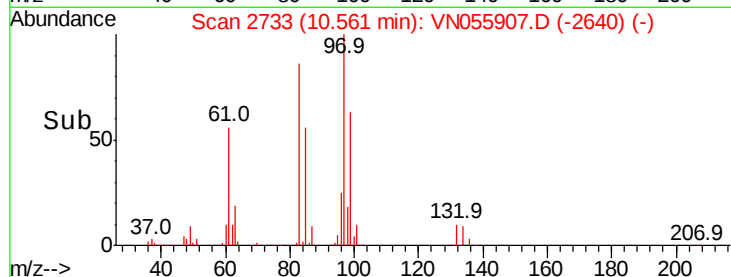


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 52.376 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

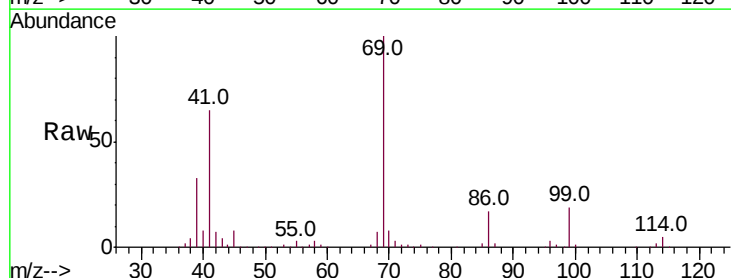
Tgt Ion: 69 Resp: 227541

Ion Ratio Lower Upper

69 100

41 64.0 49.7 74.5

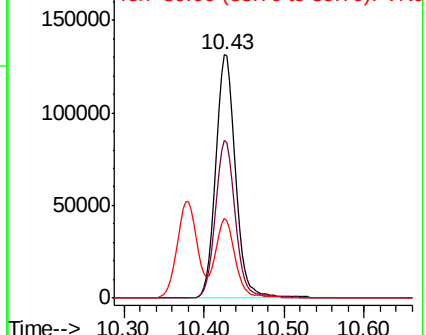
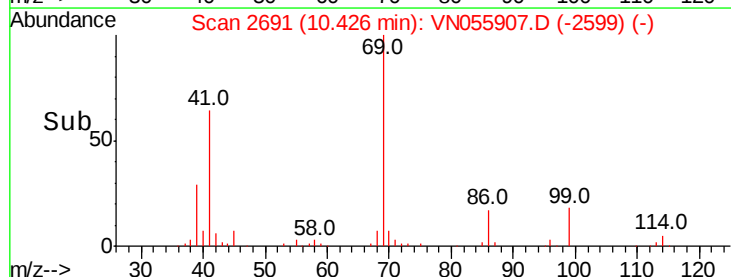
39 32.2 24.7 37.1

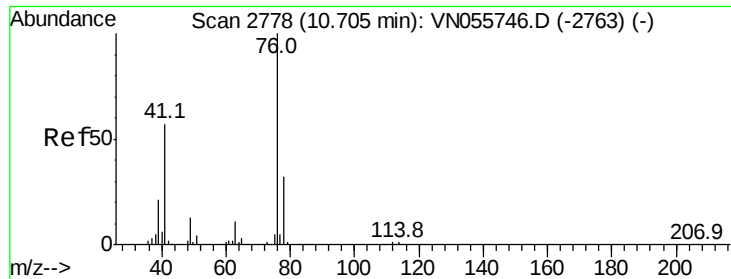


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 53.120 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA\_N

ClientSampleId :

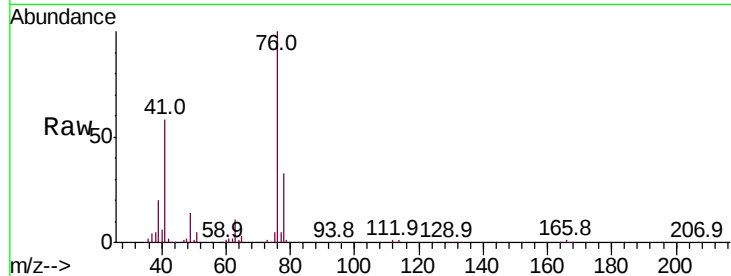
VSTDCCC050

Tot Ion: 76 Resp: 242718

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

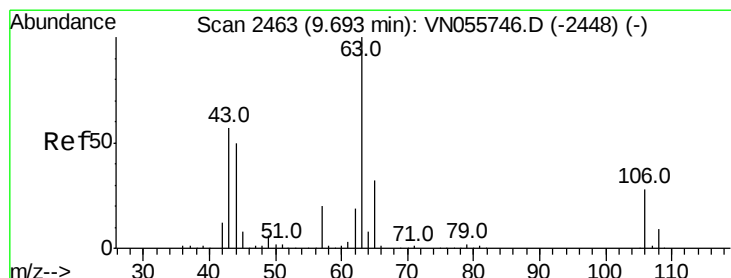
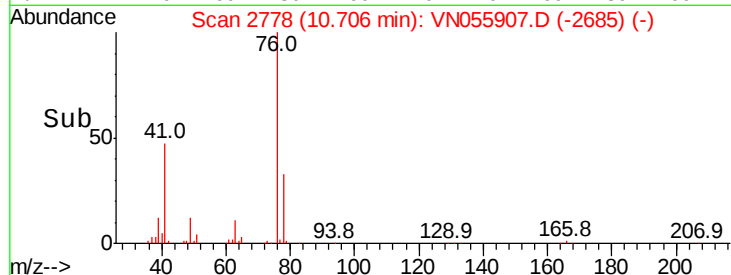
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 259.668 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055907.D

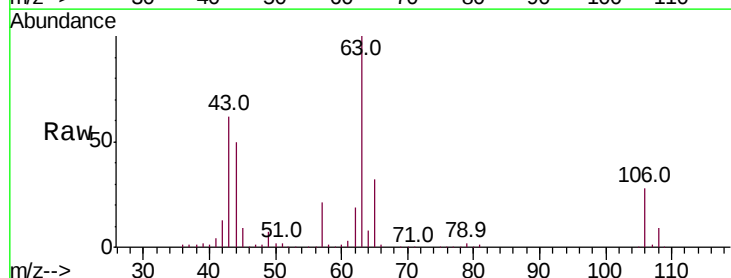
Acq: 31 May 2019 8:51

Tgt Ion: 63 Resp: 431109

Ion Ratio Lower Upper

63 100

106 27.8 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

250000

200000

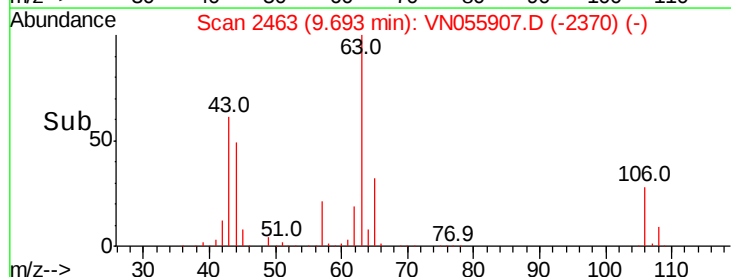
150000

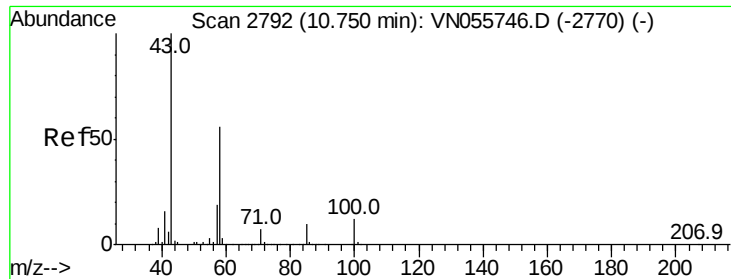
100000

50000

0

Time--> 9.60 9.70 9.80





#59

2-Hexanone

Concen: 271.800 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA\_N

ClientSampleId :

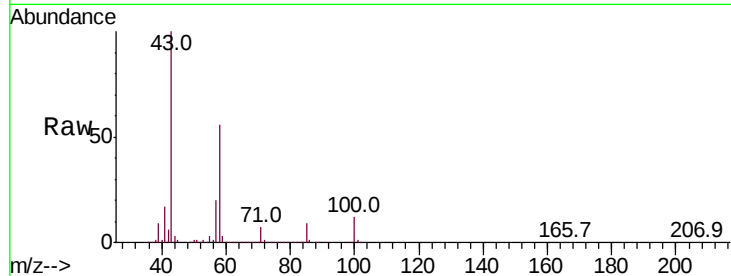
VSTDCCC050

Tot Ion: 43 Resp: 684574

Ion Ratio Lower Upper

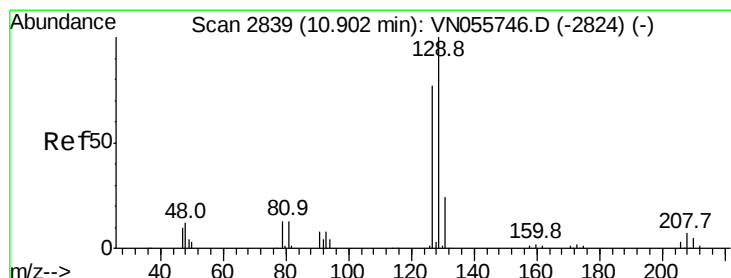
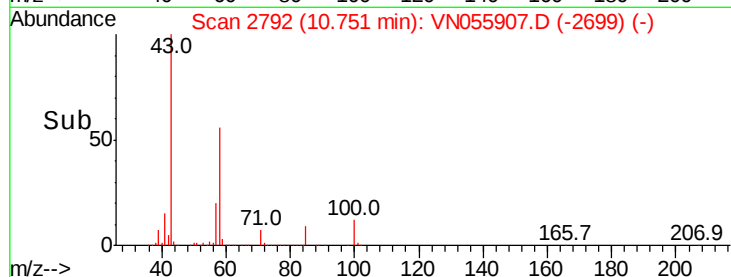
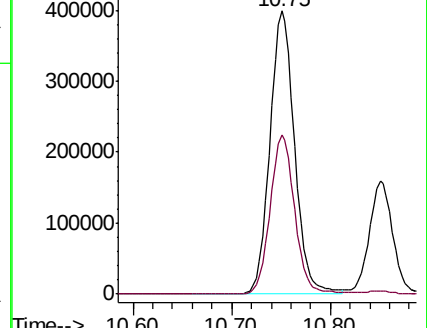
43 100

58 56.4 28.2 84.7



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-2770) (-)

Ion 58.00 (57.70 to 58.70): VN055746.D (-2770) (-)



#60

Dibromochloromethane

Concen: 48.926 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN055907.D

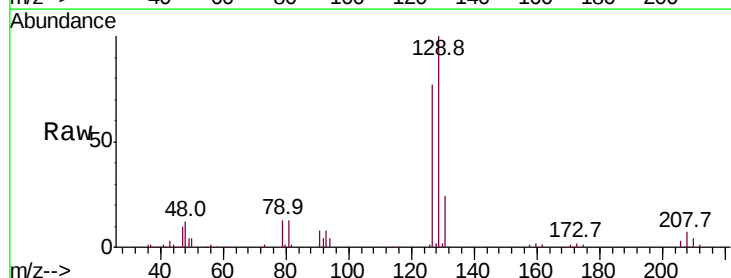
Acq: 31 May 2019 8:51

Tgt Ion: 129 Resp: 160216

Ion Ratio Lower Upper

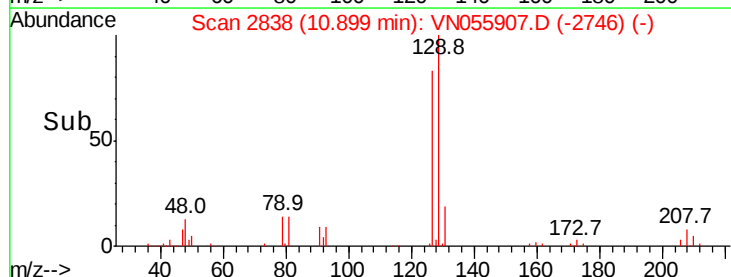
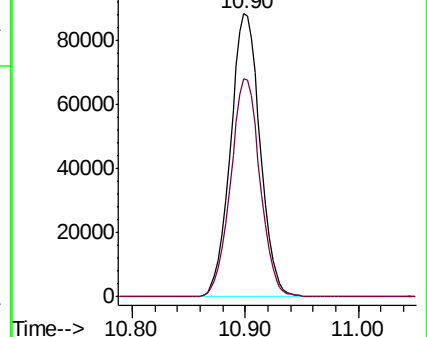
129 100

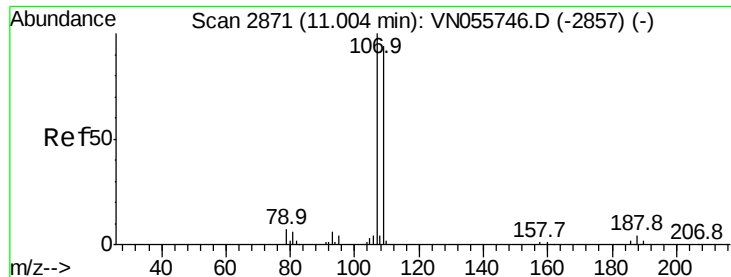
127 76.7 38.1 114.3



Abundance Ion 128.80 (128.50 to 129.50): VN055746.D (-2824) (-)

Ion 126.80 (126.50 to 127.50): VN055746.D (-2824) (-)





#61

1,2-Dibromoethane

Concen: 52.804 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA\_N

ClientSampleId :

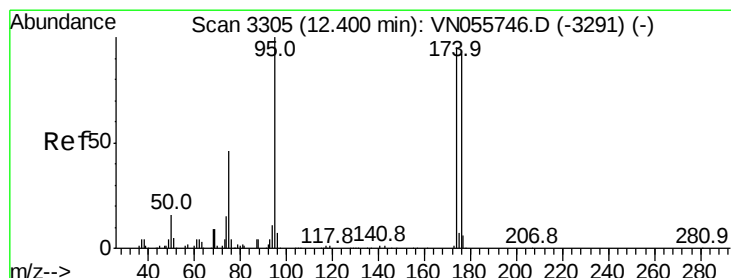
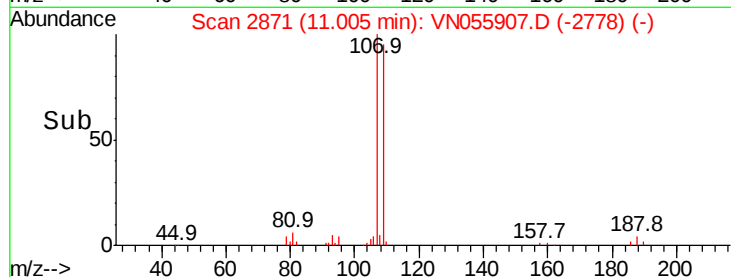
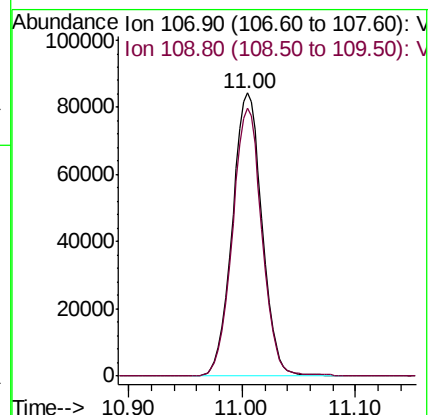
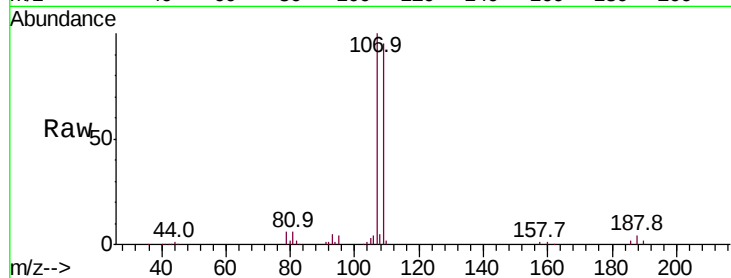
VSTDCCC050

Tot Ion:107 Resp: 153963

Ion Ratio Lower Upper

107 100

109 93.8 74.8 112.2



#62

4-Bromofluorobenzene

Concen: 54.639 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

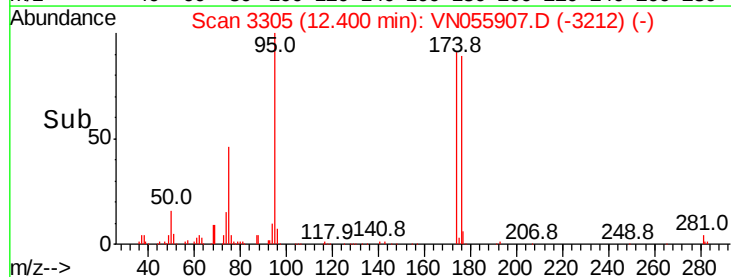
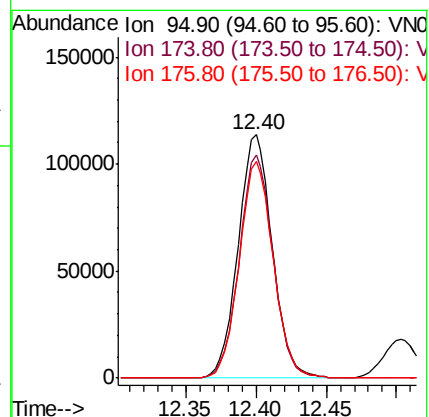
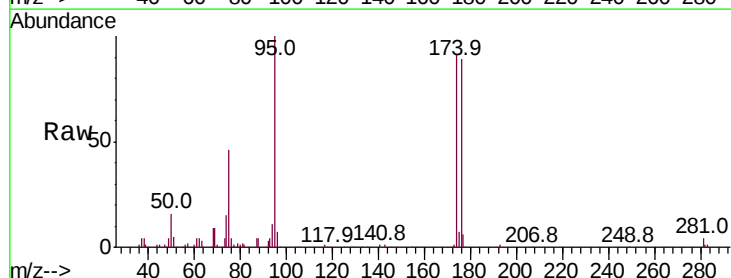
Tgt Ion: 95 Resp: 193011

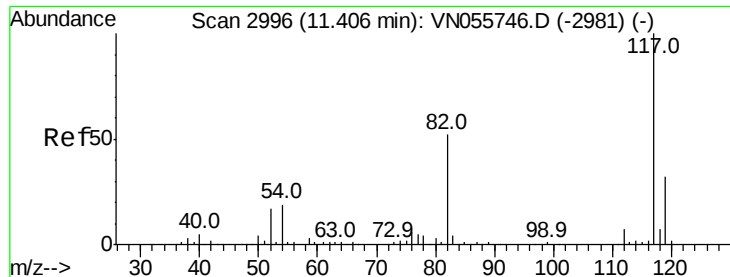
Ion Ratio Lower Upper

95 100

174 90.8 0.0 191.0

176 88.8 0.0 185.2

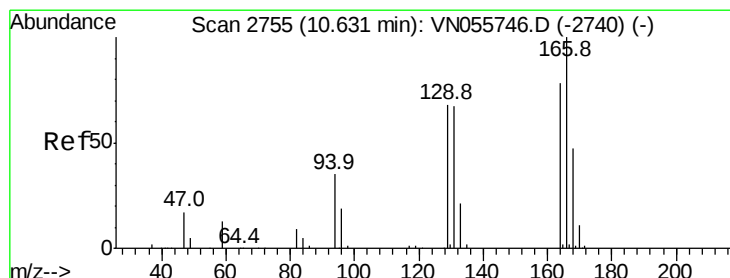
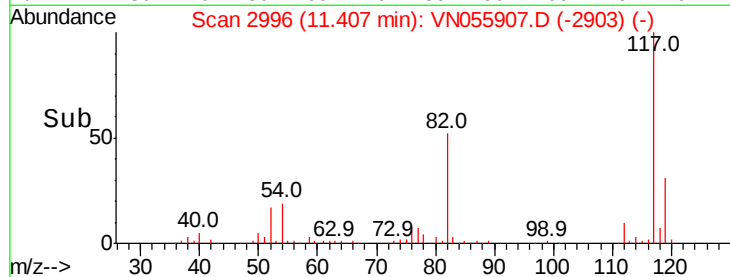
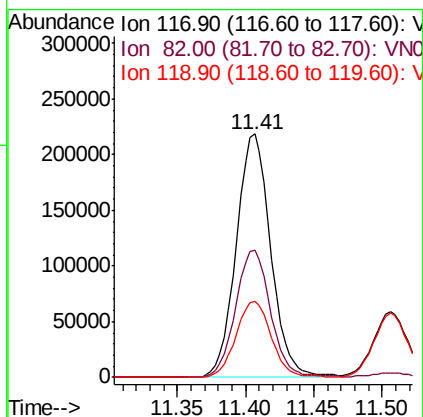
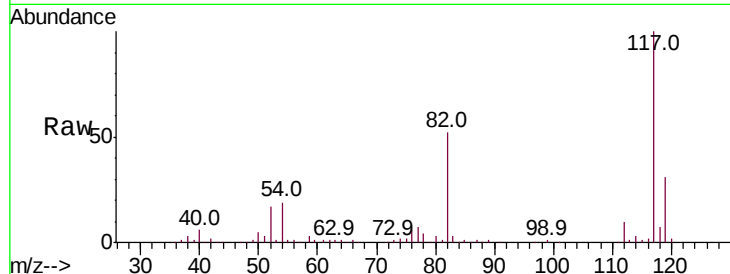




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN055907.D  
Acq: 31 May 2019 8:51

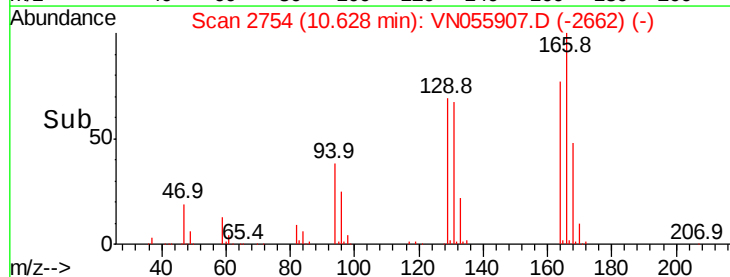
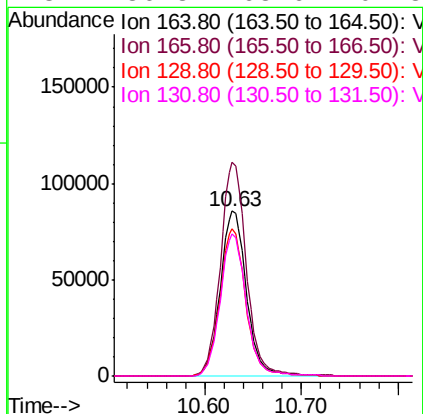
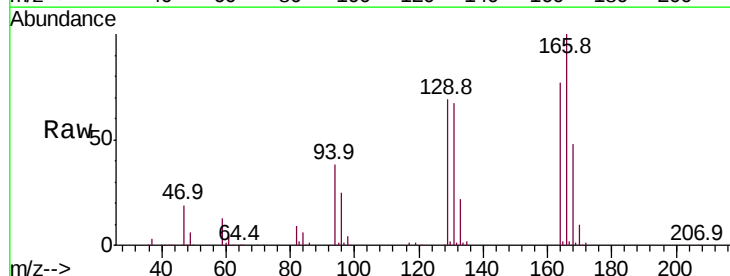
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

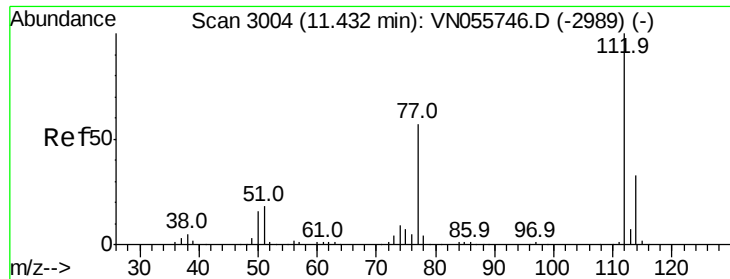
Tot Ion:117 Resp: 383796  
Ion Ratio Lower Upper  
117 100  
82 52.2 41.8 62.8  
119 31.3 25.4 38.0



#64  
Tetrachloroethene  
Concen: 49.806 ug/l  
RT: 10.63 min Scan# 2754  
Delta R.T. -0.00 min  
Lab File: VN055907.D  
Acq: 31 May 2019 8:51

Tgt Ion:164 Resp: 161221  
Ion Ratio Lower Upper  
164 100  
166 129.5 103.0 154.6  
129 89.6 70.6 105.8  
131 86.3 68.6 102.8

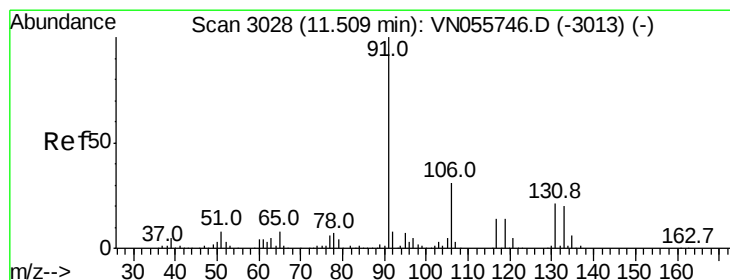
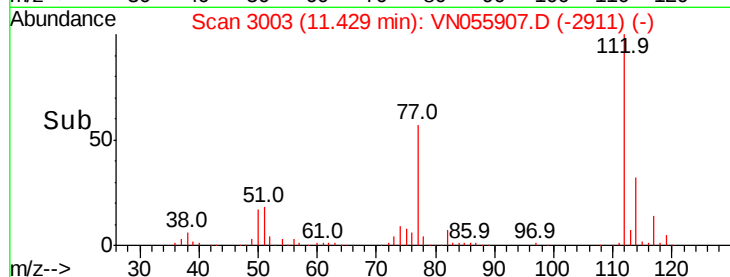
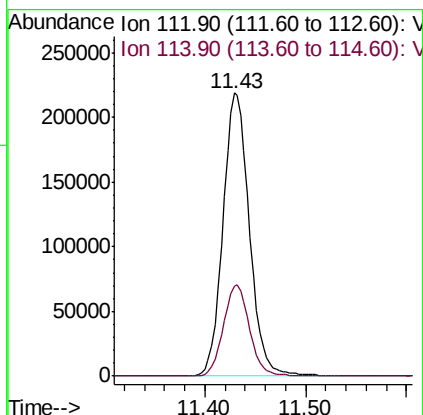
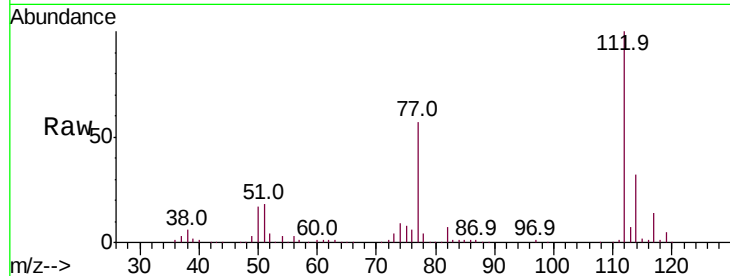




#65  
Chlorobenzene  
Concen: 52.018 ug/l  
RT: 11.43 min Scan# 3003  
Delta R.T. -0.00 min  
Lab File: VN055907.D  
Acq: 31 May 2019 8:51

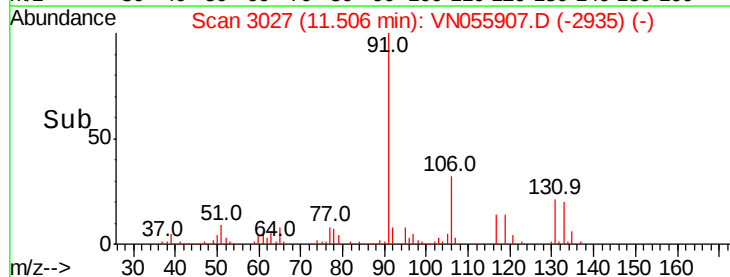
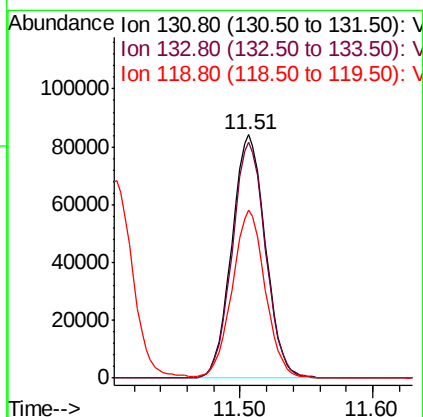
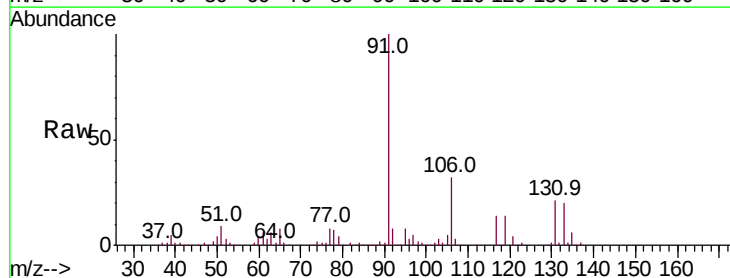
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:112 Resp: 399665  
Ion Ratio Lower Upper  
112 100  
114 31.8 26.2 39.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 48.463 ug/l  
RT: 11.51 min Scan# 3027  
Delta R.T. -0.00 min  
Lab File: VN055907.D  
Acq: 31 May 2019 8:51

Tgt Ion:131 Resp: 148506  
Ion Ratio Lower Upper  
131 100  
133 96.1 48.0 144.0  
119 67.7 33.1 99.5

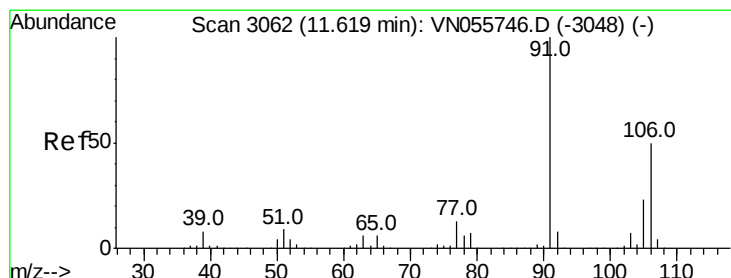
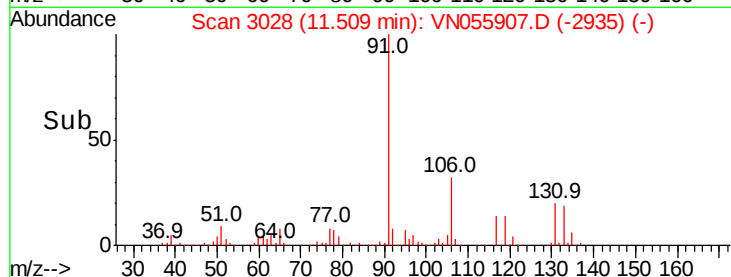
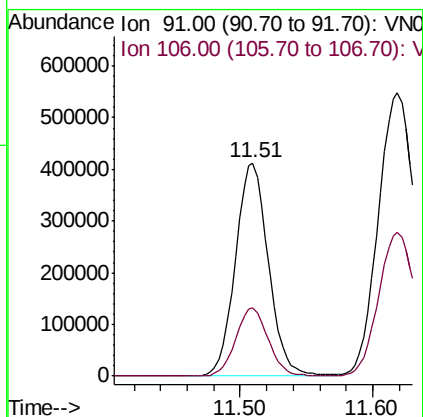
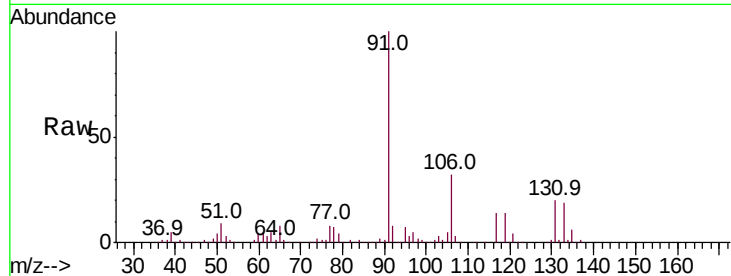




#67  
Ethyl Benzene  
Concen: 51.654 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN055907.D  
Acq: 31 May 2019 8:51

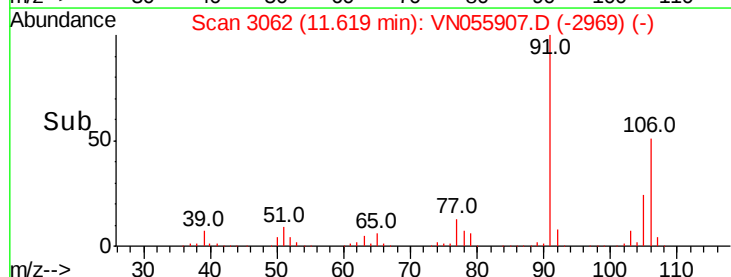
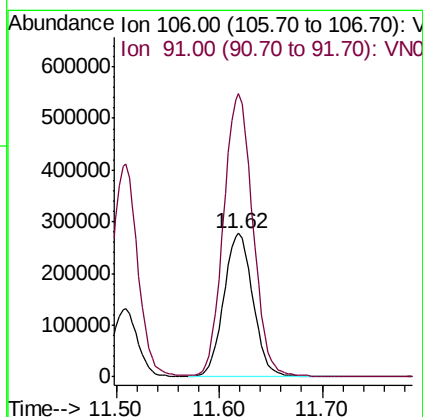
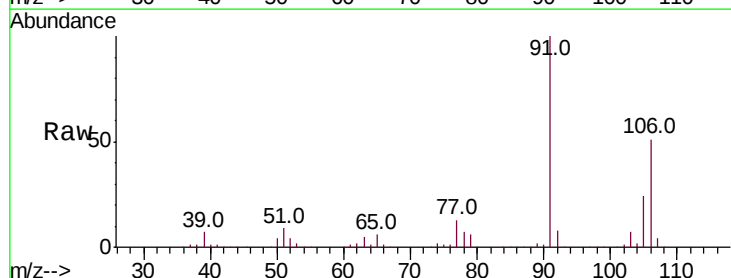
Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

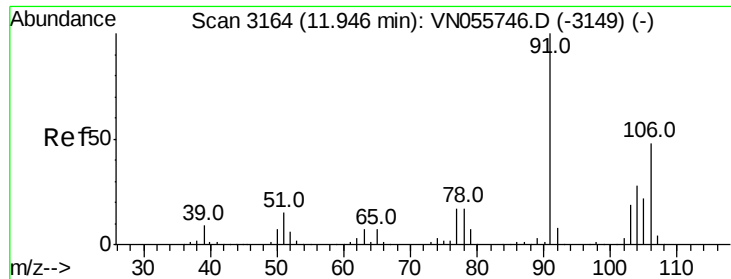
Tot Ion: 91 Resp: 711690  
Ion Ratio Lower Upper  
91 100  
106 32.2 25.1 37.7



#68  
m/p-Xylenes  
Concen: 105.417 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. 0.00 min  
Lab File: VN055907.D  
Acq: 31 May 2019 8:51

Tgt Ion: 106 Resp: 549095  
Ion Ratio Lower Upper  
106 100  
91 198.3 159.3 238.9

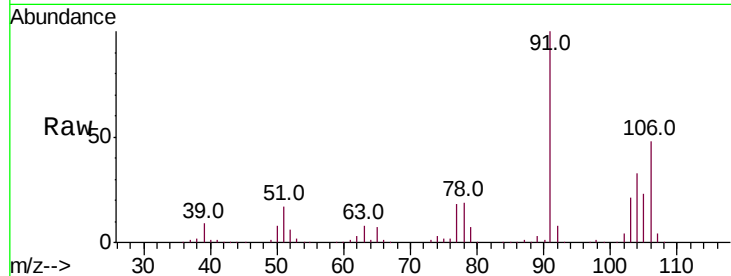




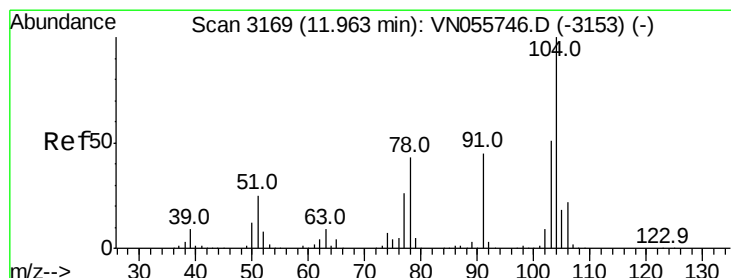
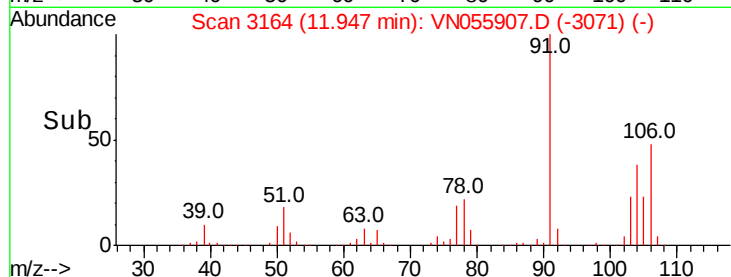
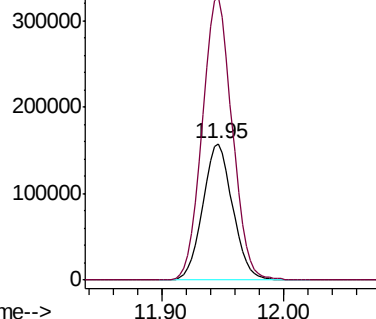
#69  
o-Xylene  
Concen: 52.014 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN055907.D  
Acq: 31 May 2019 8:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:106 Resp: 268800  
Ion Ratio Lower Upper  
106 100  
91 208.3 104.7 314.1

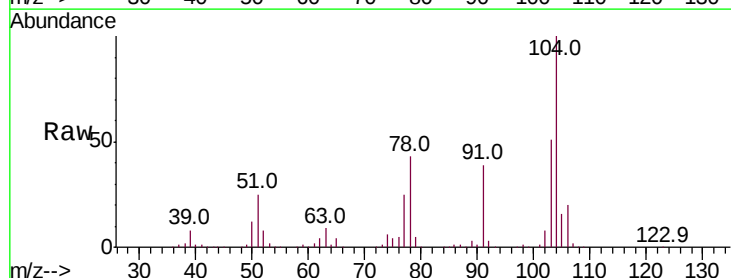


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN

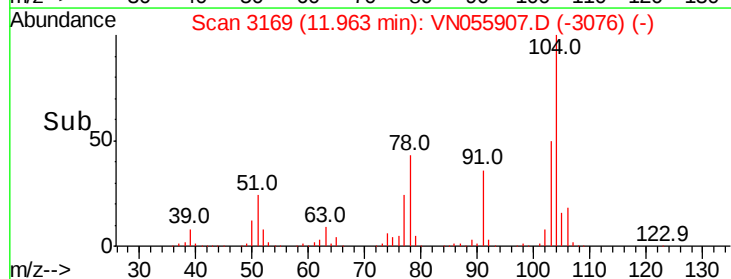
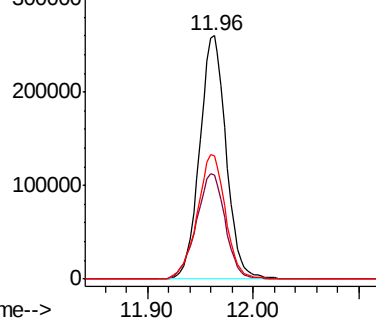


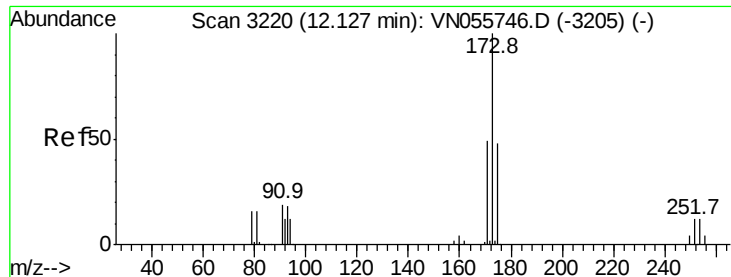
#70  
Styrene  
Concen: 53.796 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN055907.D  
Acq: 31 May 2019 8:51

Tgt Ion:104 Resp: 450211  
Ion Ratio Lower Upper  
104 100  
78 47.7 37.8 56.6  
103 54.7 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VN  
Ion 103.00 (102.70 to 103.70): V

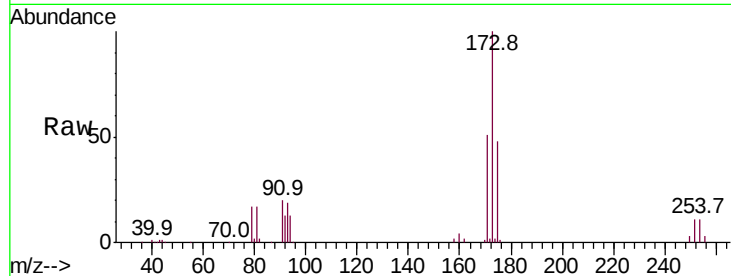




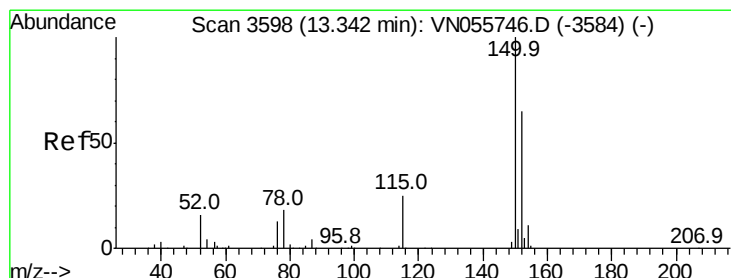
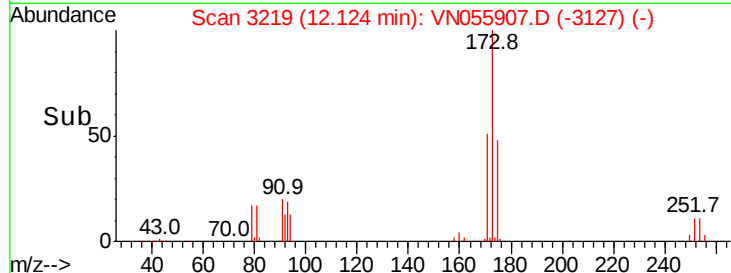
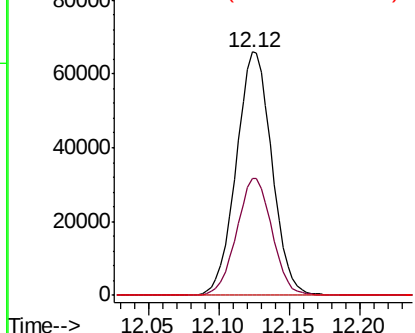
#71  
Bromoform  
Concen: 44.619 ug/l  
RT: 12.12 min Scan# 3219  
Delta R.T. -0.00 min  
Lab File: VN055907.D  
Acq: 31 May 2019 8:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:173 Resp: 116624  
Ion Ratio Lower Upper  
173 100  
175 47.8 24.3 72.8  
254 0.0 0.0 0.0

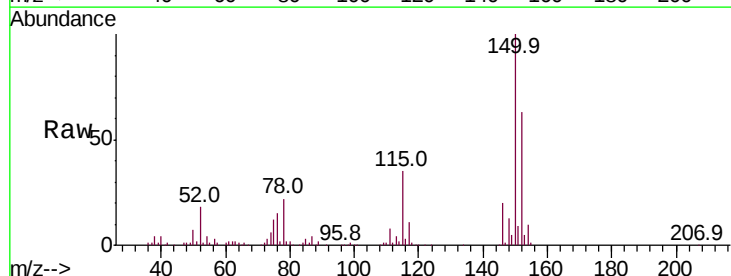


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

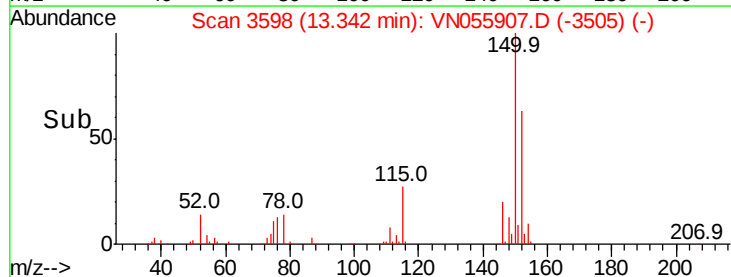
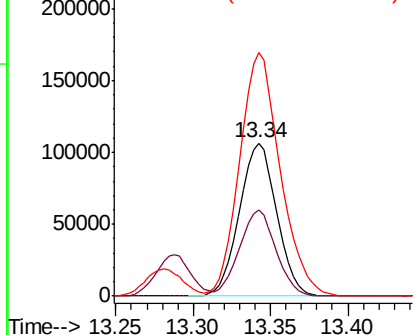


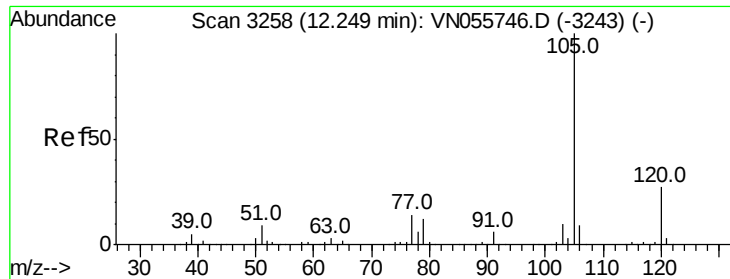
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN055907.D  
Acq: 31 May 2019 8:51

Tgt Ion:152 Resp: 178220  
Ion Ratio Lower Upper  
152 100  
115 54.9 27.0 81.0  
150 173.6 0.0 343.2



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: 56.100 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA\_N

ClientSampleId :

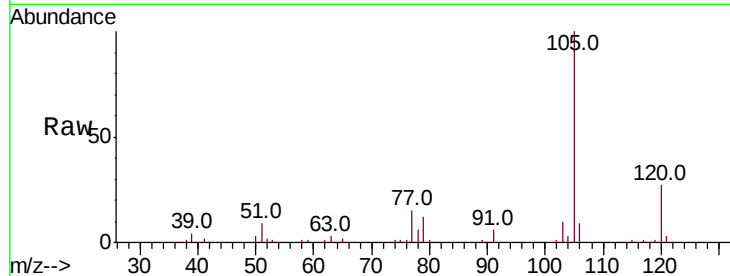
VSTDCCC050

Tot Ion:105 Resp: 707077

Ion Ratio Lower Upper

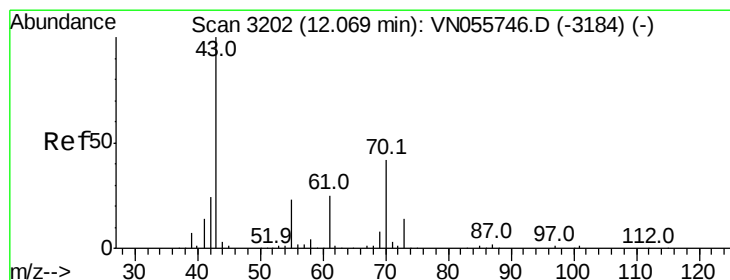
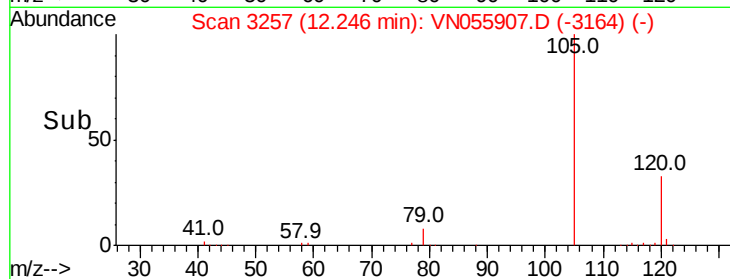
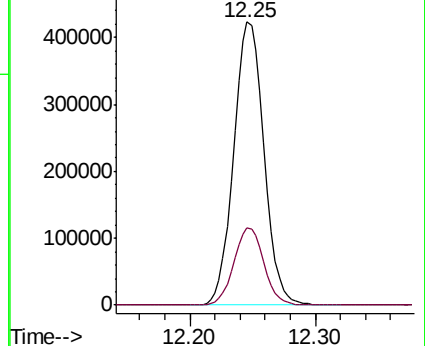
105 100

120 27.0 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.897 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Tgt Ion: 43 Resp: 254644

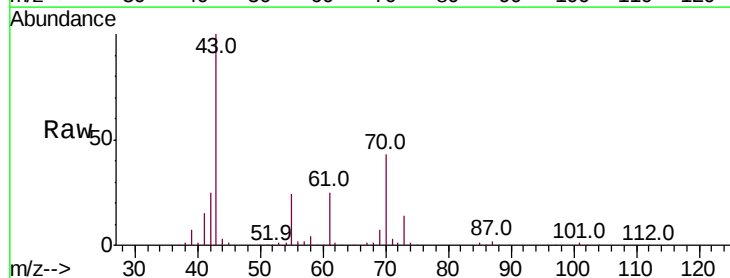
Ion Ratio Lower Upper

43 100

70 42.6 34.0 51.0

55 24.6 18.6 28.0

61 24.9 20.0 30.0

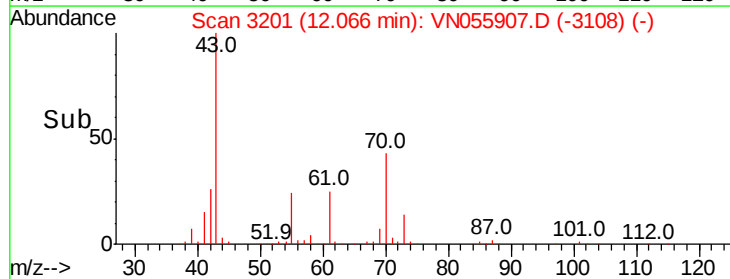
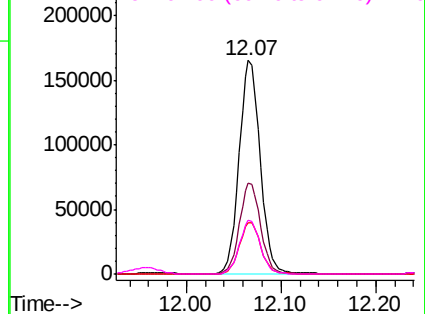


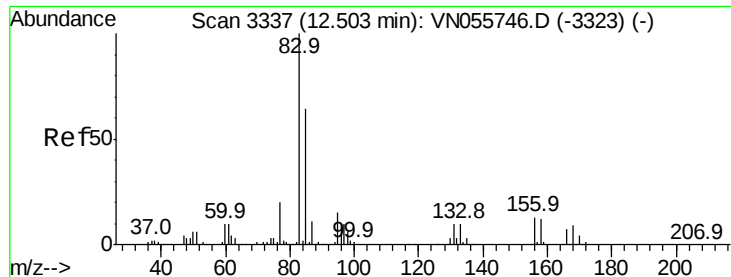
Abundance Ion 43.00 (42.70 to 43.70): V

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: 55.388 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

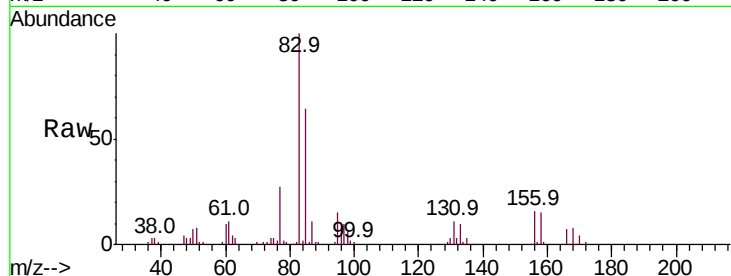
Tot Ion: 83 Resp: 206624

Ion Ratio Lower Upper

83 100

131 10.6 5.4 16.2

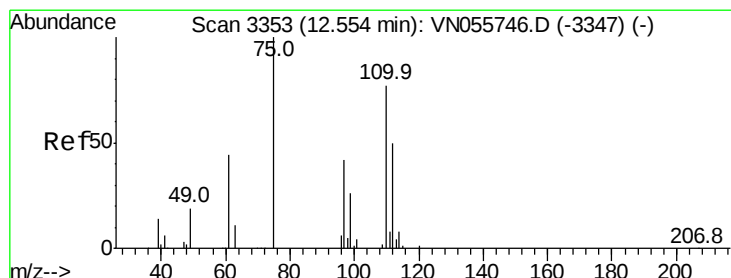
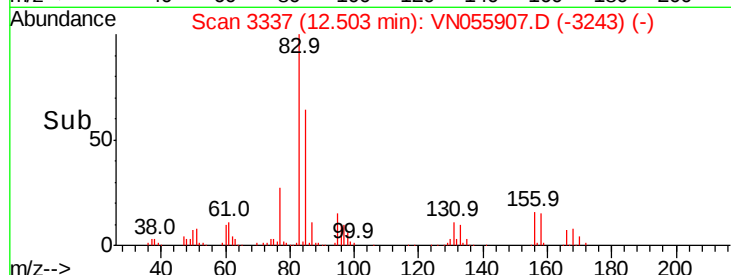
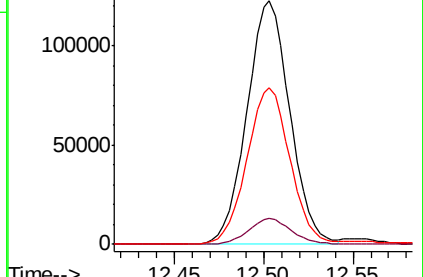
85 64.5 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 84.719 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055907.D

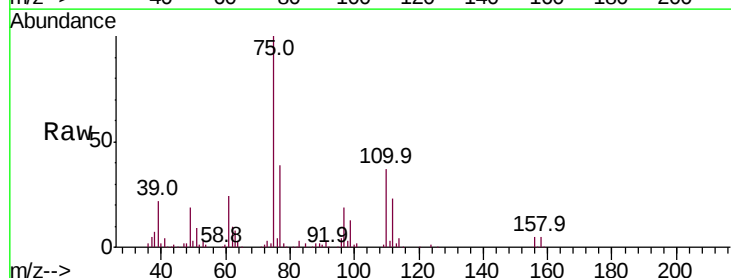
Acq: 31 May 2019 8:51

Tgt Ion: 75 Resp: 253273

Ion Ratio Lower Upper

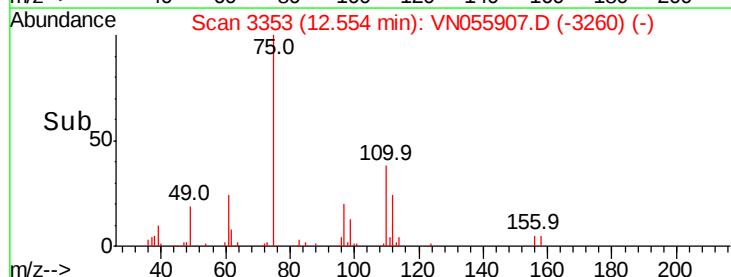
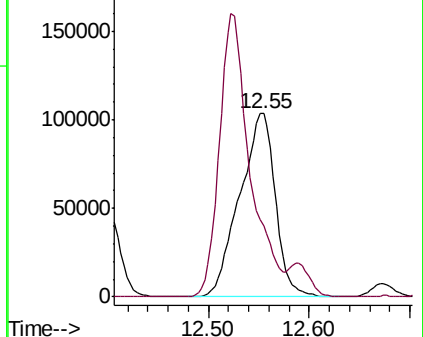
75 100

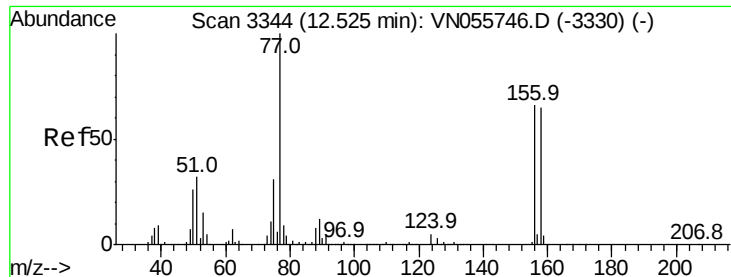
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.419 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

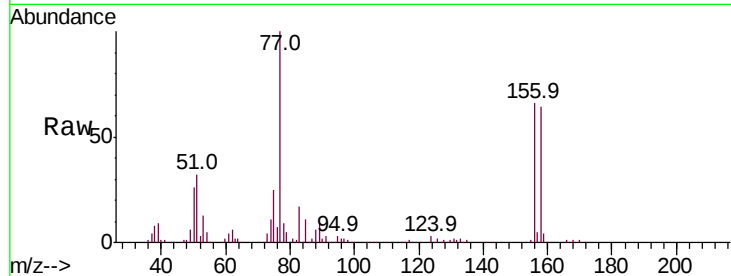
Tot Ion:156 Resp: 184141

Ion Ratio Lower Upper

156 100

77 183.6 90.8 272.5

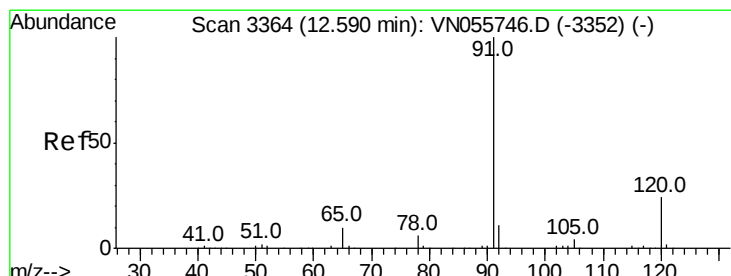
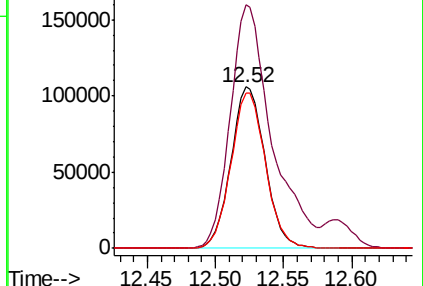
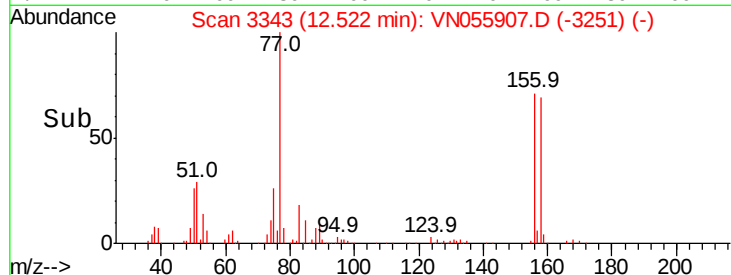
158 97.5 49.3 147.8



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: 50.870 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055907.D

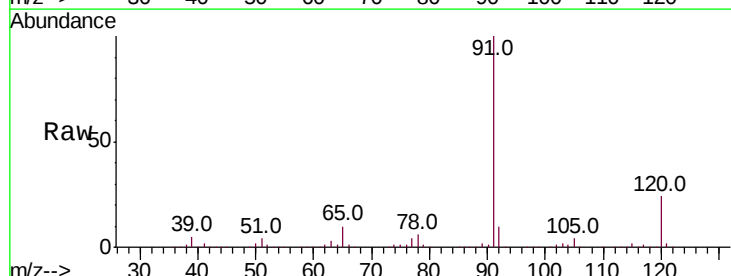
Acq: 31 May 2019 8:51

Tgt Ion: 91 Resp: 787958

Ion Ratio Lower Upper

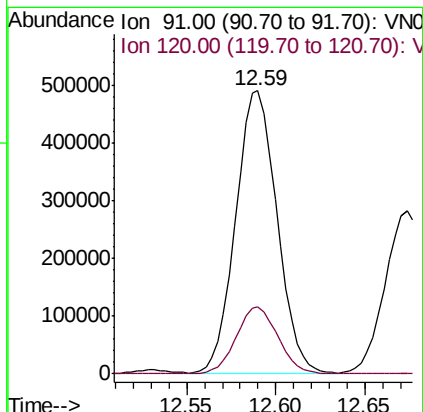
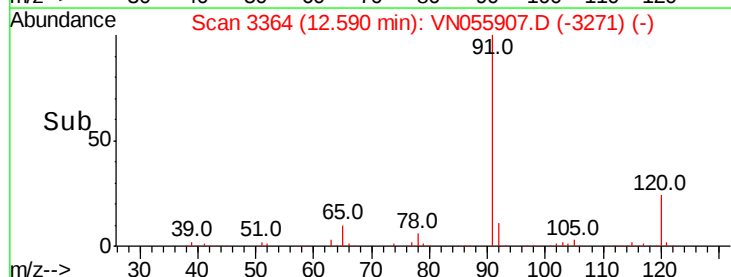
91 100

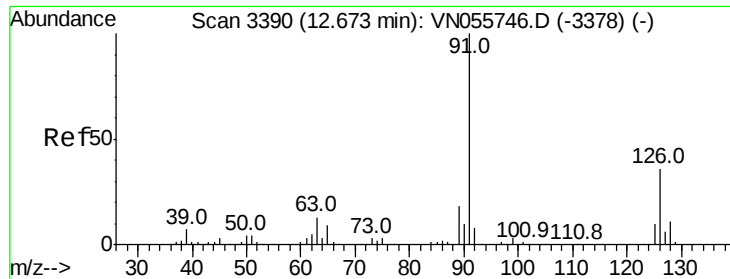
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 56.615 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA\_N

ClientSampleId :

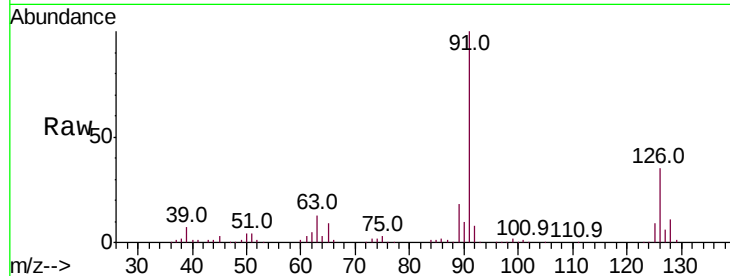
VSTDCCC050

Tot Ion: 91 Resp: 469553

Ion Ratio Lower Upper

91 100

126 35.3 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055746.D (-3378) (-)

12.67

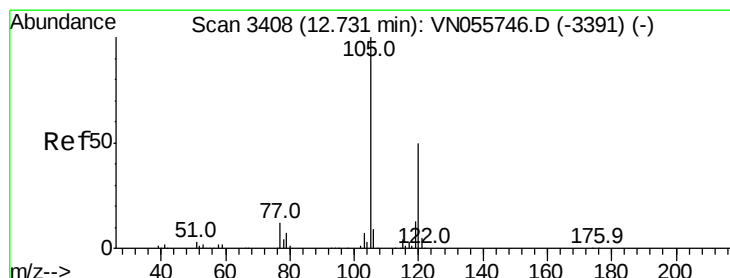
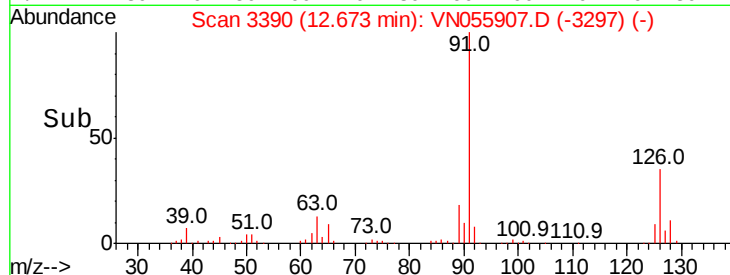
300000

200000

100000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 56.930 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055907.D

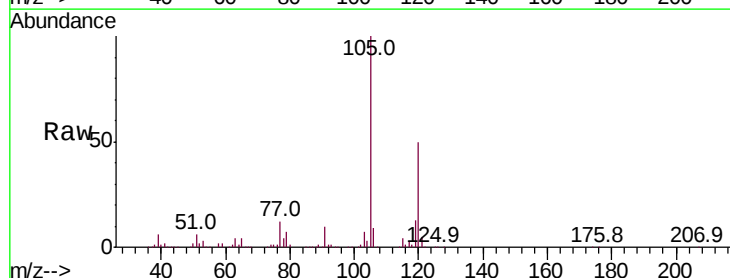
Acq: 31 May 2019 8:51

Tgt Ion:105 Resp: 603709

Ion Ratio Lower Upper

105 100

120 49.7 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055746.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN055746.D (-3391) (-)

12.73

400000

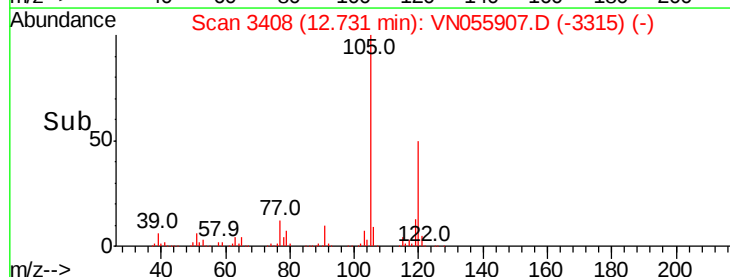
300000

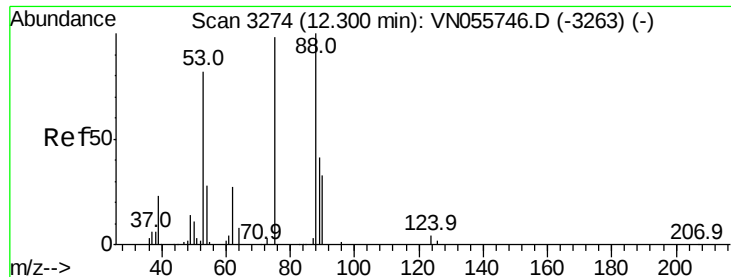
200000

100000

0

Time--> 12.70 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 46.215 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

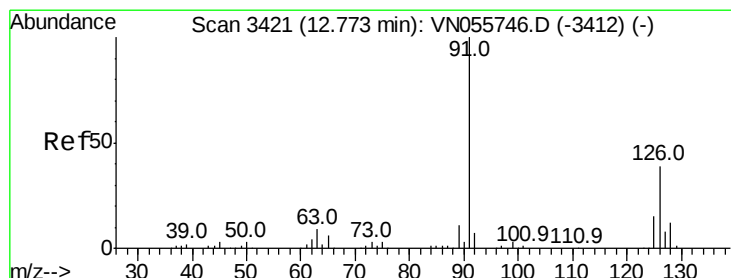
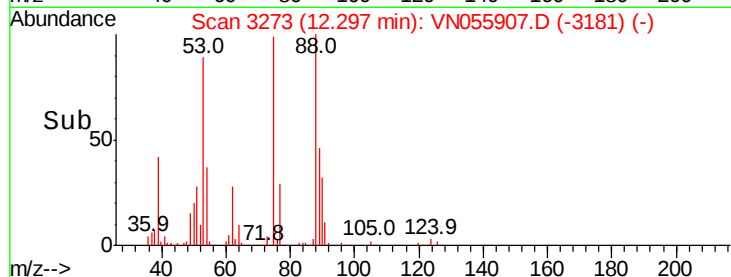
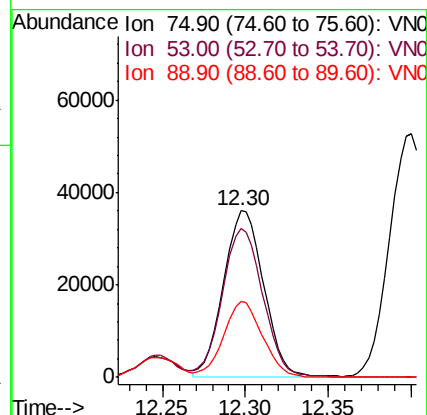
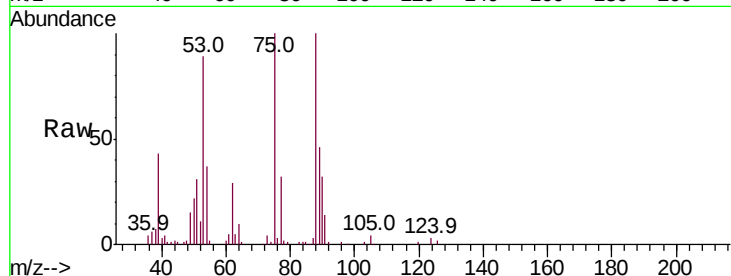
Tot Ion: 75 Resp: 61216

Ion Ratio Lower Upper

75 100

53 90.2 68.1 102.1

89 44.0 36.9 55.3



#82

4-Chlorotoluene

Concen: 50.704 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN055907.D

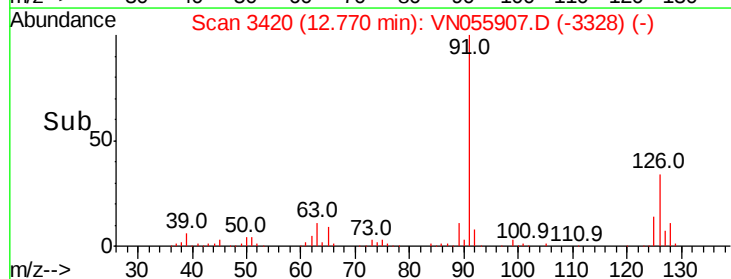
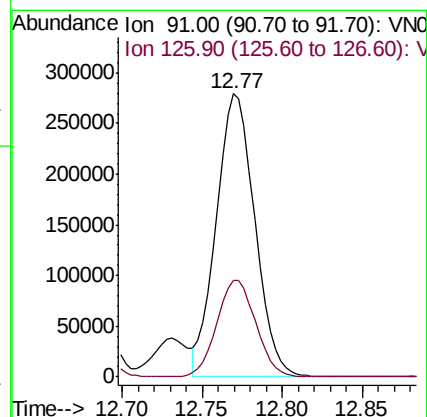
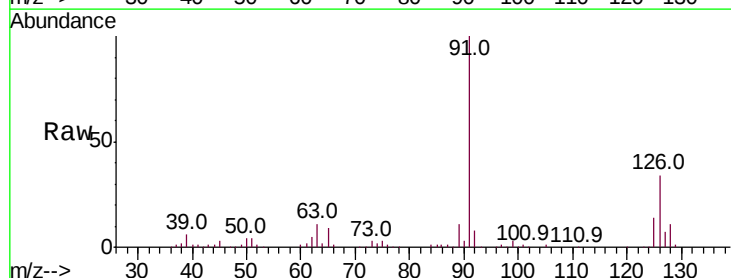
Acq: 31 May 2019 8:51

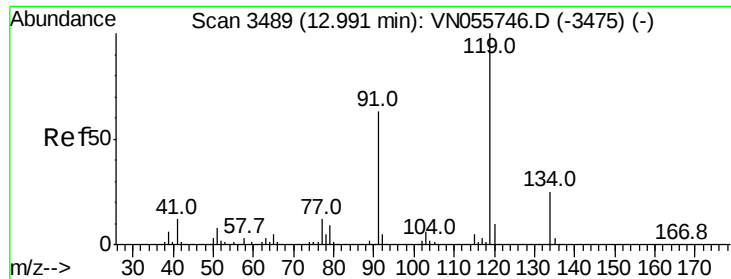
Tgt Ion: 91 Resp: 461674

Ion Ratio Lower Upper

91 100

126 34.6 17.8 53.3





#83

tert-Butylbenzene

Concen: 56.923 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

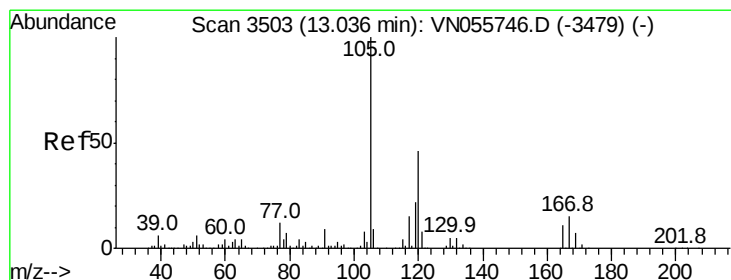
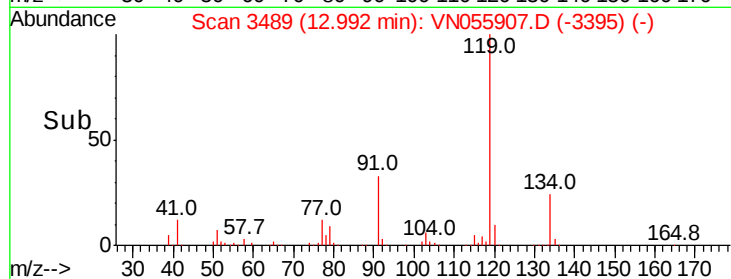
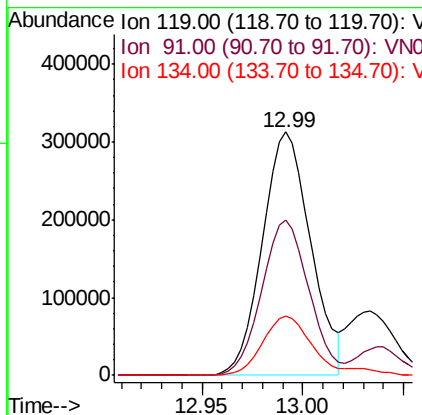
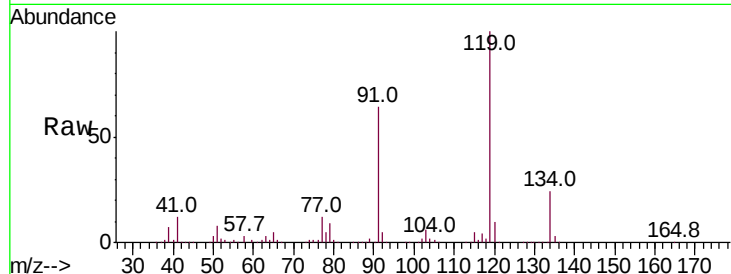
Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:119 Resp: 521190

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 119 | 100   |       |       |
| 91  | 62.5  | 30.9  | 92.8  |
| 134 | 26.2  | 13.3  | 39.8  |



#84

1,2,4-Trimethylbenzene

Concen: 56.310 ug/l

RT: 13.04 min Scan# 3503

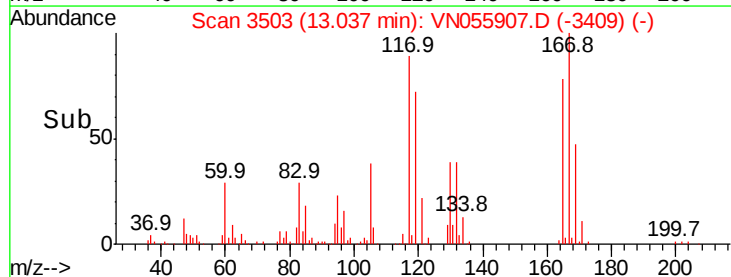
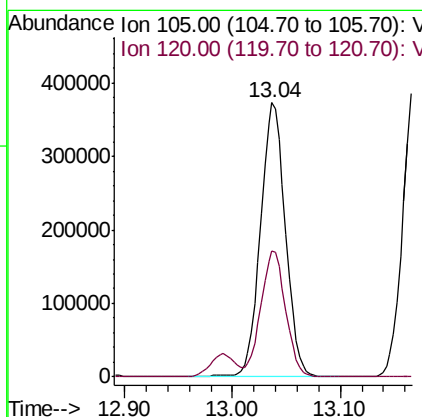
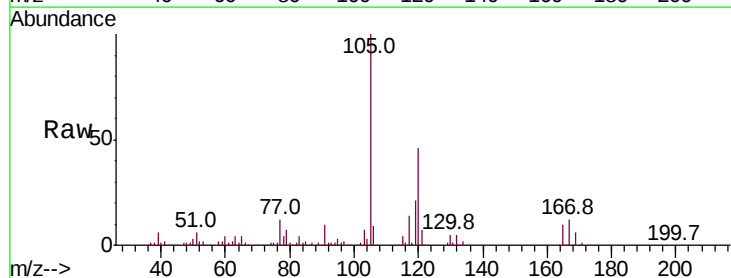
Delta R.T. 0.00 min

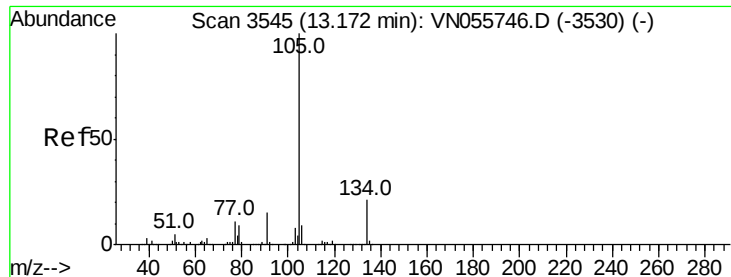
Lab File: VN055907.D

Acq: 31 May 2019 8:51

Tgt Ion:105 Resp: 596757

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 120 | 45.4  | 23.0  | 69.0  |





#85

sec-Butylbenzene

Concen: 57.933 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA\_N

ClientSampleId :

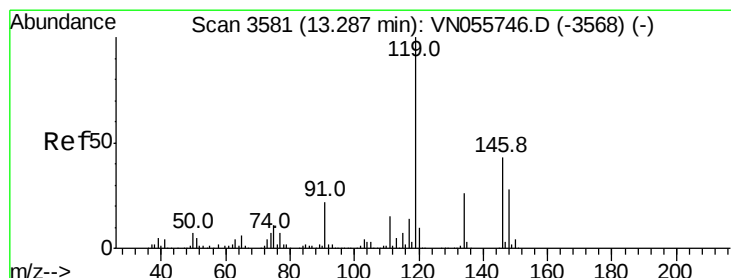
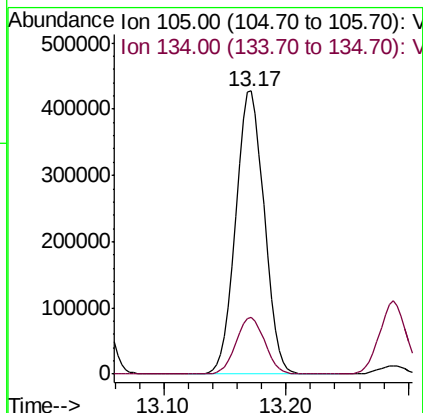
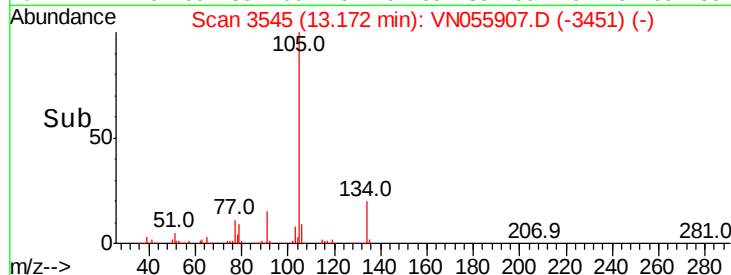
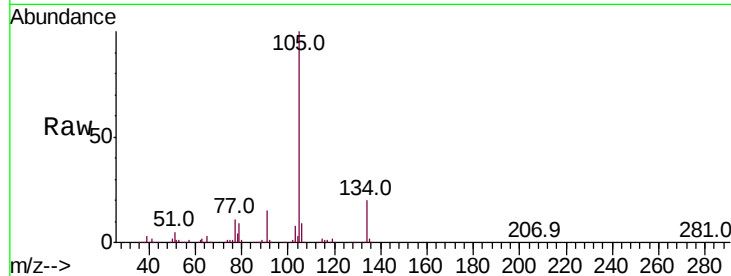
VSTDCCC050

Tot Ion:105 Resp: 690551

Ion Ratio Lower Upper

105 100

134 20.2 10.4 31.2



#86

p-Isopropyltoluene

Concen: 51.123 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

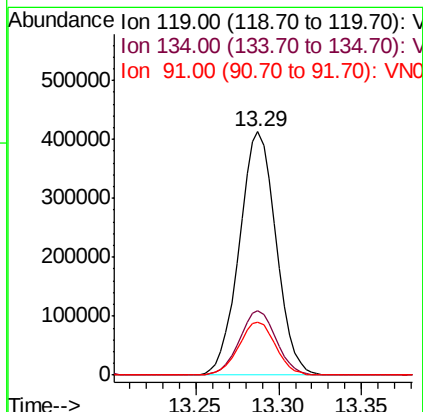
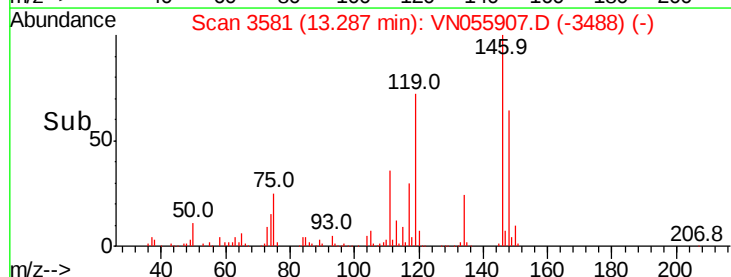
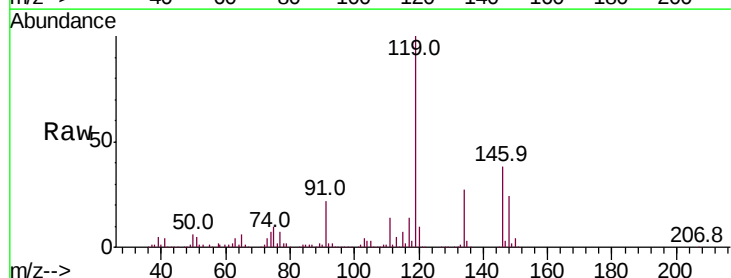
Tgt Ion:119 Resp: 632735

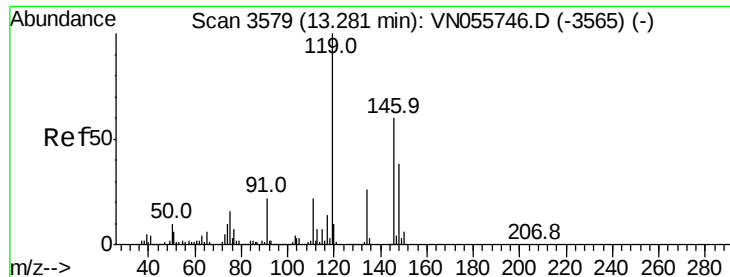
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 21.8 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 51.610 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

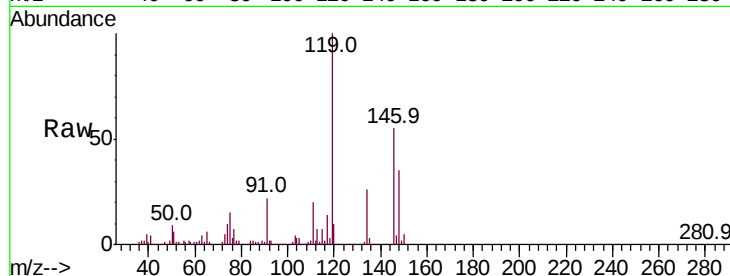
Tot Ion:146 Resp: 310790

Ion Ratio Lower Upper

146 100

111 37.4 18.5 55.5

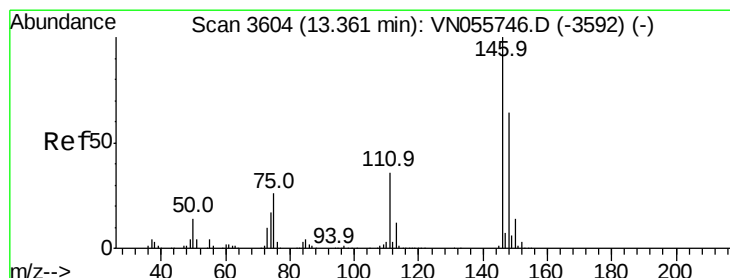
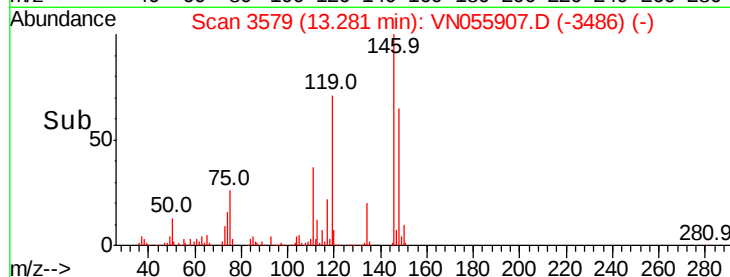
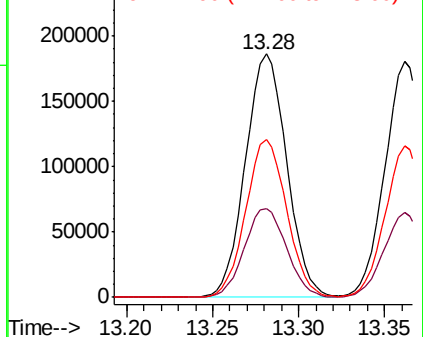
148 64.2 32.0 96.2



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



#88

1,4-Dichlorobenzene

Concen: 52.124 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

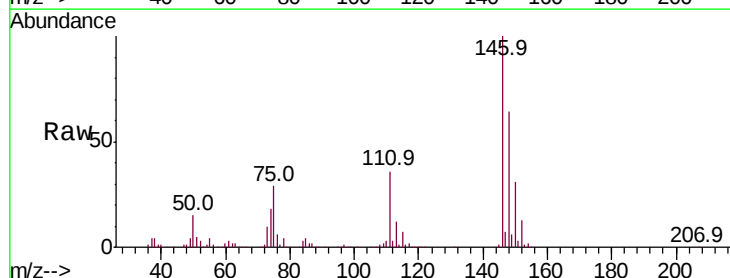
Tgt Ion:146 Resp: 298421

Ion Ratio Lower Upper

146 100

111 36.4 18.1 54.4

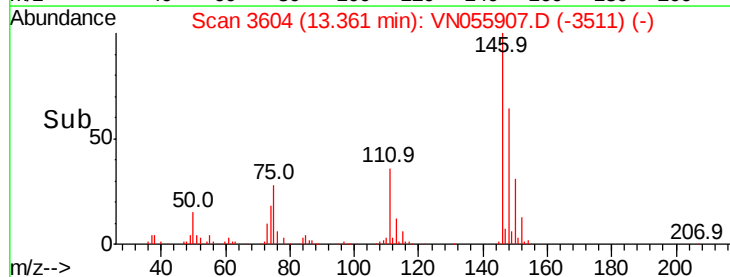
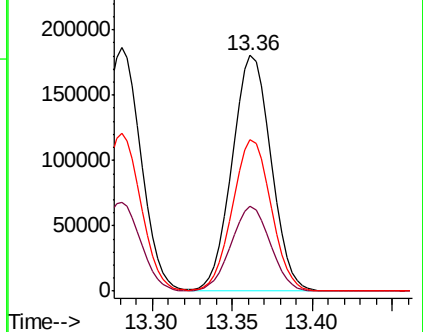
148 64.3 32.1 96.5

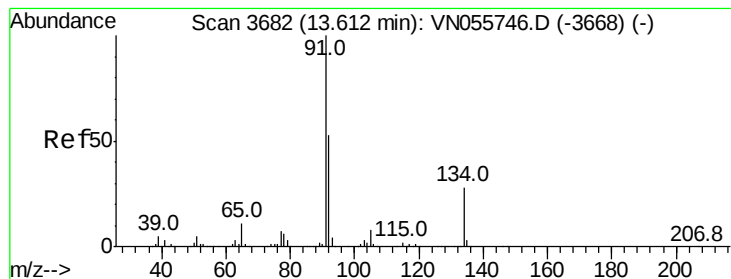


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

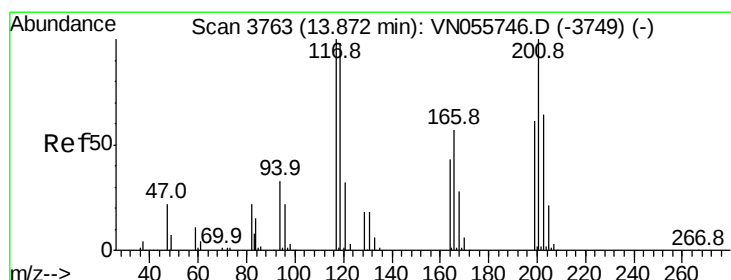
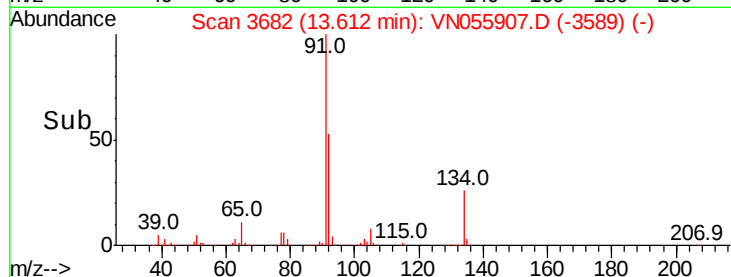
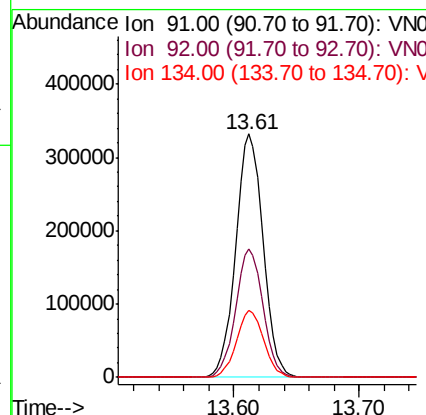
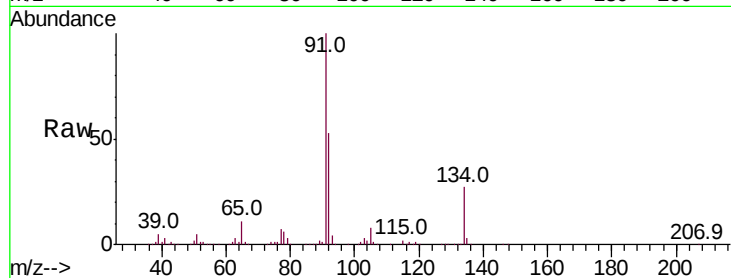




#89  
n-Butylbenzene  
Concen: 53.139 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN055907.D  
Acq: 31 May 2019 8:51

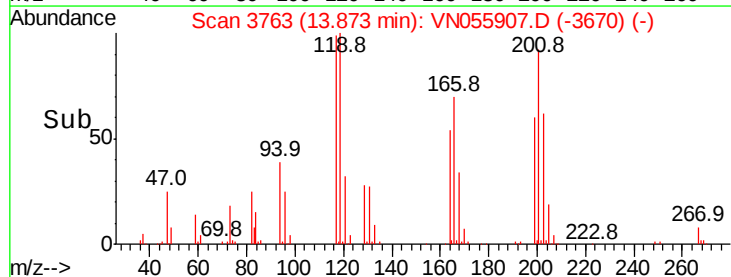
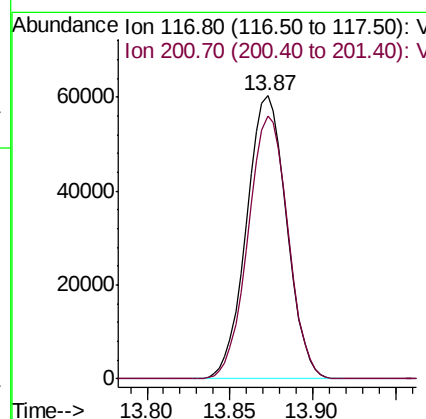
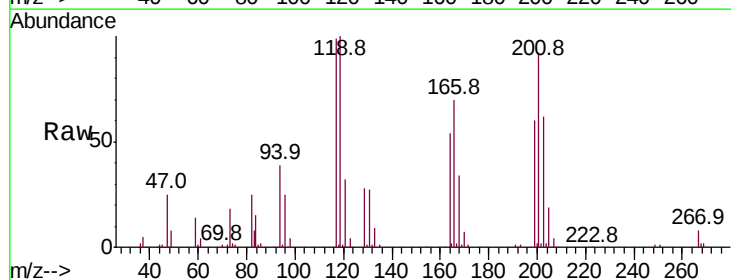
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

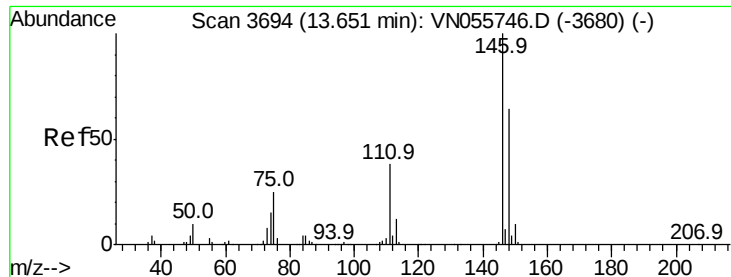
Tot Ion: 91 Resp: 503917  
Ion Ratio Lower Upper  
91 100  
92 52.6 26.4 79.0  
134 27.4 13.9 41.7



#90  
Hexachloroethane  
Concen: 43.249 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. 0.00 min  
Lab File: VN055907.D  
Acq: 31 May 2019 8:51

Tgt Ion: 117 Resp: 101884  
Ion Ratio Lower Upper  
117 100  
201 92.3 50.0 150.0

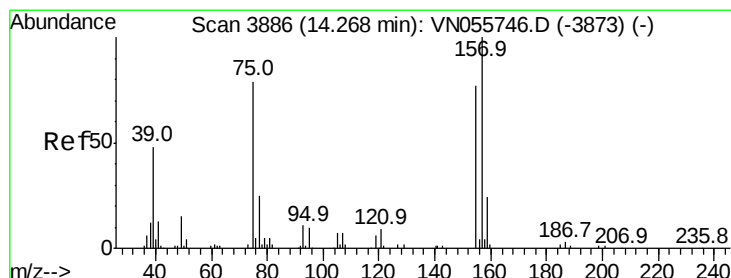
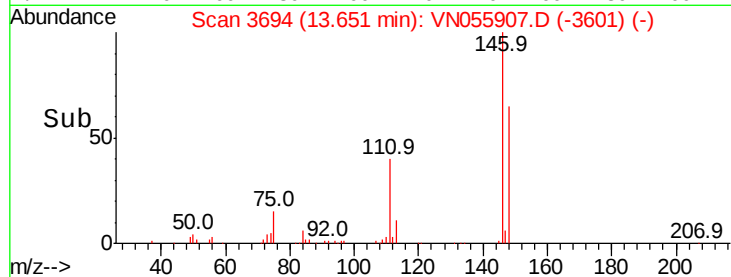
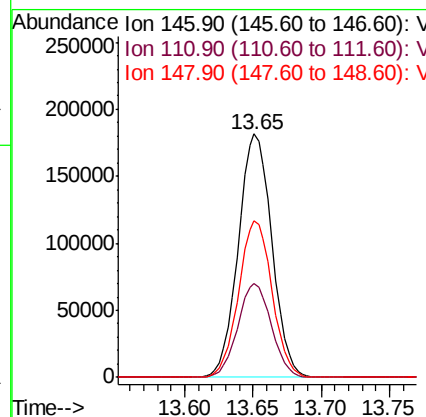
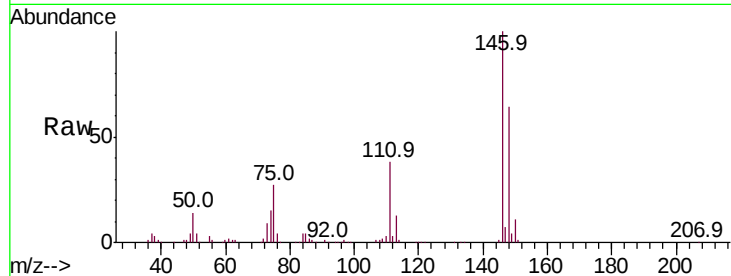




#91  
 1,2-Dichlorobenzene  
 Concen: 51.579 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. 0.00 min  
 Lab File: VN055907.D  
 Acq: 31 May 2019 8:51

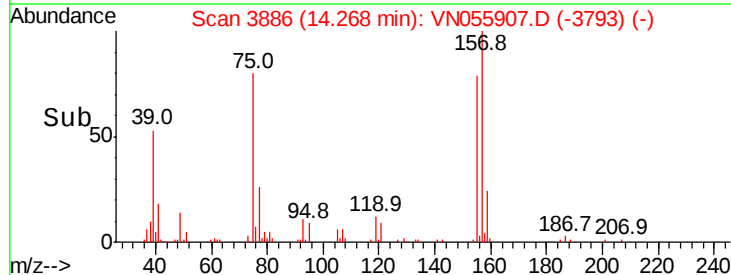
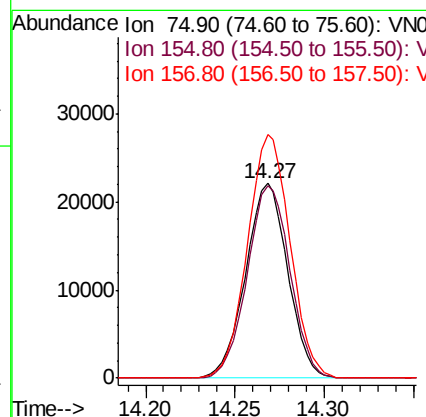
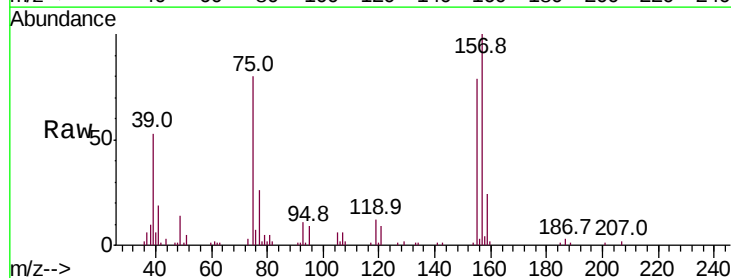
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

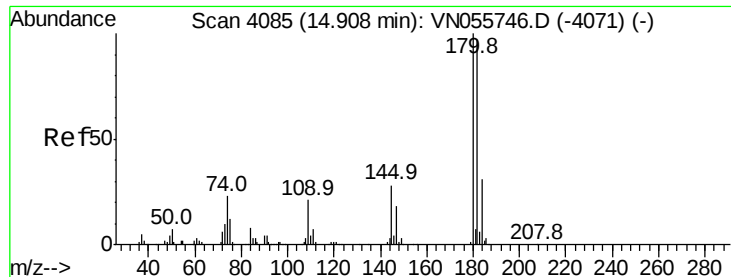
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.5  | 19.1  | 57.5  |
| 148     | 63.9  | 31.9  | 95.9  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 46.284 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. 0.00 min  
 Lab File: VN055907.D  
 Acq: 31 May 2019 8:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 100.4 | 50.0  | 150.1 |
| 157     | 126.4 | 64.8  | 194.3 |

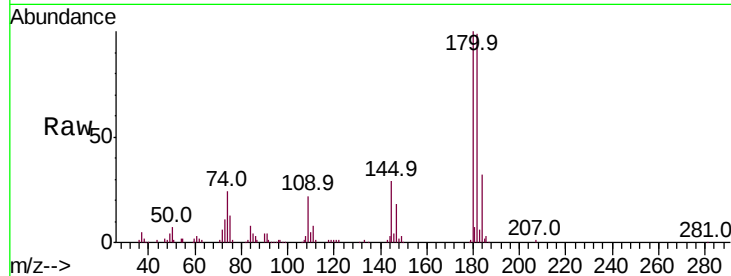




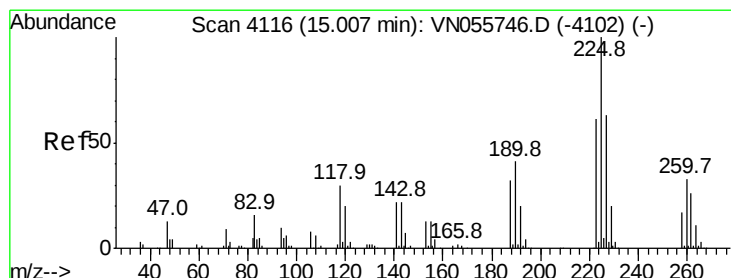
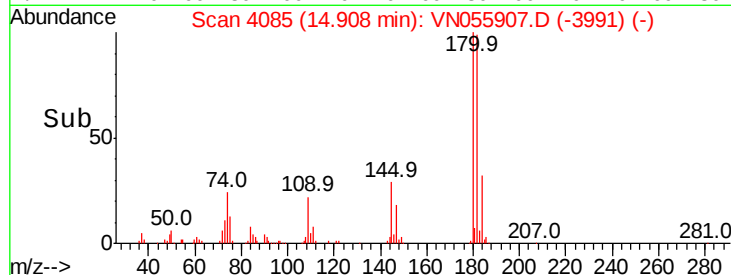
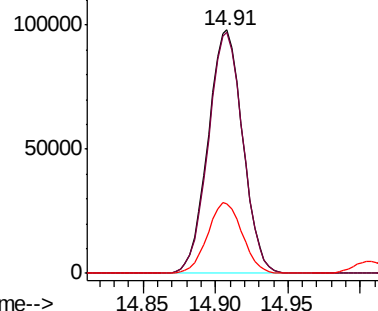
#93  
 1,2,4-Trichlorobenzene  
 Concen: 47.364 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN055907.D  
 Acq: 31 May 2019 8:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 98.4  | 48.3  | 144.9 |
| 145     | 29.1  | 14.0  | 41.9  |

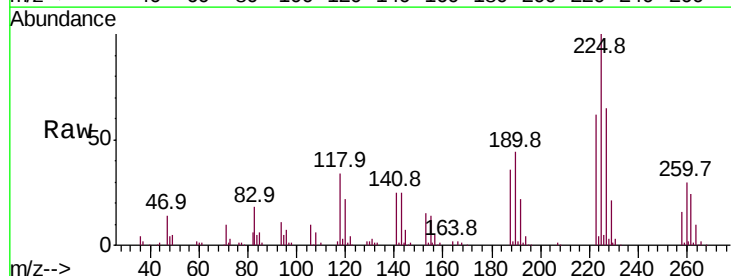


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

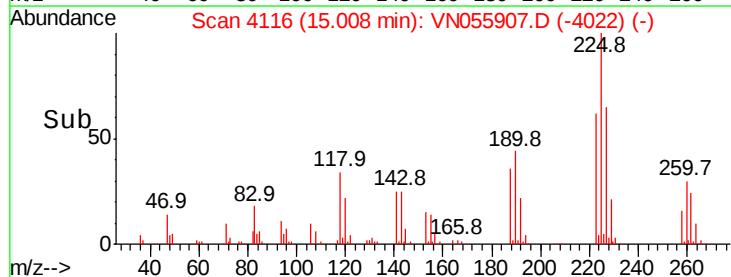
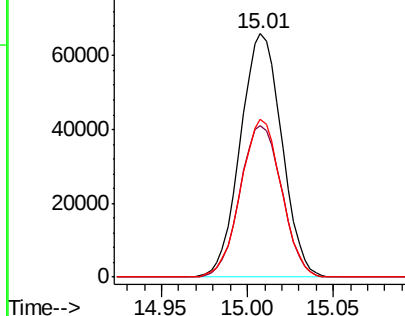


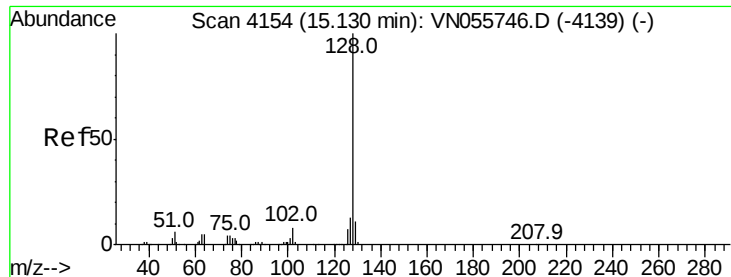
#94  
 Hexachlorobutadiene  
 Concen: 52.271 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN055907.D  
 Acq: 31 May 2019 8:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.9  | 30.9  | 92.7  |
| 227     | 64.0  | 31.6  | 94.7  |



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: 52.945 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

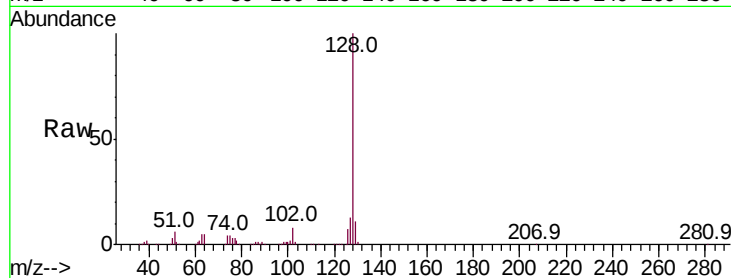
Tot Ion:128 Resp: 436494

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

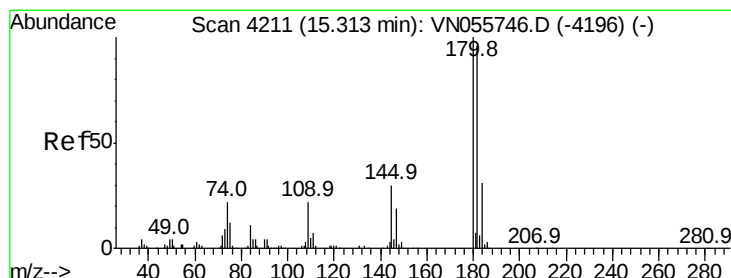
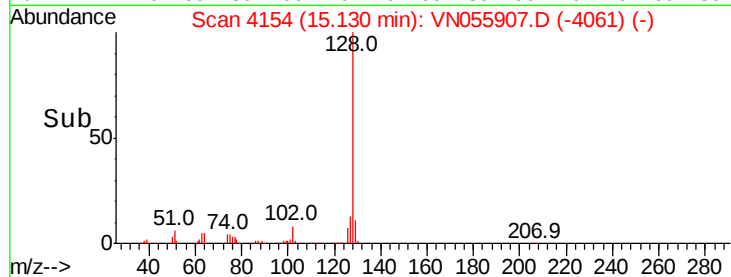
15.13

200000

100000

0

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 54.110 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

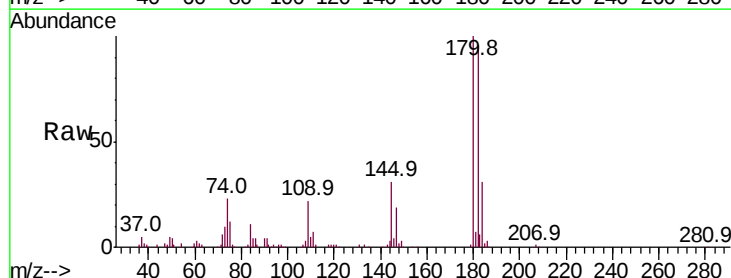
Tgt Ion:180 Resp: 171846

Ion Ratio Lower Upper

180 100

182 95.2 47.9 143.7

145 30.5 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

15.31

120000

100000

80000

60000

40000

20000

0

Time-->

