

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\  
 Data File : VN054528.D  
 Acq On : 21 Mar 2019 23:30  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Mar 22 10:18:37 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N032019W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 22 02:09:07 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 487491   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 825547   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 703706   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 301838   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 342564   | 56.50 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 113.00% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 276233   | 51.94 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.88% |      |
| 50) Toluene-d8            | 10.09  | 98  | 1011713  | 50.60 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.20% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 339194   | 49.85 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.70%  |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 247135  | 53.030  | ug/l   | 100    |
| 3) Chloromethane              | 2.06 | 50  | 332018  | 52.363  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.19 | 62  | 327240  | 51.404  | ug/l   | 100    |
| 5) Bromomethane               | 2.57 | 94  | 179733  | 43.662  | ug/l   | 98     |
| 6) Chloroethane               | 2.71 | 64  | 184931  | 48.432  | ug/l   | 100    |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 398505  | 51.546  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 144707  | 48.669  | ug/l   | 70     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101 | 208699  | 45.933  | ug/l   | 96     |
| 10) Methyl Iodide             | 3.94 | 142 | 297980  | 44.584  | ug/l   | 93     |
| 11) Tert butyl alcohol        | 4.82 | 59  | 110840  | 301.930 | ug/l   | 98     |
| 12) 1,1-Dichloroethene        | 3.73 | 96  | 222686  | 47.359  | ug/l # | 82     |
| 13) Acrolein                  | 3.61 | 56  | 138145  | 272.686 | ug/l   | 100    |
| 14) Allyl chloride            | 4.31 | 41  | 486849  | 54.985  | ug/l # | 90     |
| 15) Acrylonitrile             | 5.00 | 53  | 548568  | 300.068 | ug/l   | 100    |
| 16) Acetone                   | 3.82 | 43  | 404264  | 221.754 | ug/l # | 85     |
| 17) Carbon Disulfide          | 4.04 | 76  | 625724  | 49.666  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.33 | 43  | 244873  | 60.264  | ug/l # | 90     |
| 19) Methyl tert-butyl Ether   | 5.06 | 73  | 775313  | 56.499  | ug/l   | 95     |
| 20) Methylene Chloride        | 4.54 | 84  | 280436  | 52.185  | ug/l # | 84     |
| 21) trans-1,2-Dichloroethene  | 5.03 | 96  | 266082  | 55.419  | ug/l   | 85     |
| 22) Diisopropyl ether         | 5.96 | 45  | 1002786 | 57.418  | ug/l # | 96     |
| 23) Vinyl Acetate             | 5.90 | 43  | 3727475 | 302.191 | ug/l # | 93     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 528243  | 56.175  | ug/l   | 99     |
| 25) 2-Butanone                | 6.85 | 43  | 699650  | 299.598 | ug/l   | 90     |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 315603  | 47.082  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 310024  | 54.135  | ug/l   | 90     |
| 28) Bromochloromethane        | 7.20 | 49  | 274516  | 59.308  | ug/l # | 73     |
| 29) Tetrahydrofuran           | 7.22 | 42  | 484680  | 319.825 | ug/l # | 85     |
| 30) Chloroform                | 7.37 | 83  | 512036  | 55.795  | ug/l   | 99     |
| 31) Cyclohexane               | 7.65 | 56  | 488821  | 54.413  | ug/l   | 88     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 427477  | 56.461  | ug/l   | 96     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 384879  | 49.862  | ug/l   | 97     |
| 37) Ethyl Acetate             | 6.94 | 43  | 314182  | 57.228  | ug/l   | 96     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 371486  | 49.524  | ug/l   | 99     |

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 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Mar 22 10:18:37 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N032019W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 22 02:09:07 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 412961   | 46.770   | ug/l   | 90       |
| 40) Benzene                    | 8.04  | 78   | 1136886  | 51.506   | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.18  | 41   | 186875   | 55.816   | ug/l # | 88       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 413592   | 51.452   | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 526464   | 56.782   | ug/l # | 93       |
| 44) Trichloroethene            | 8.83  | 130  | 303326   | 49.429   | ug/l   | 95       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 320466   | 54.069   | ug/l   | 100      |
| 46) Dibromomethane             | 9.21  | 93   | 186355   | 52.704   | ug/l   | 90       |
| 47) Bromodichloromethane       | 9.40  | 83   | 390846   | 53.262   | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.20  | 41   | 275880   | 54.821   | ug/l   | 87       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 60574    | 1076.698 | ug/l # | 83       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1495060  | 290.955  | ug/l   | 94       |
| 52) Toluene                    | 10.16 | 92   | 676388   | 49.823   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 369328   | 47.813   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 446844   | 53.107   | ug/l # | 90       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 256314   | 52.524   | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 361327   | 55.165   | ug/l # | 85       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 451092   | 53.176   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 711610   | 263.842  | ug/l   | 90       |
| 59) 2-Hexanone                 | 10.75 | 43   | 948335   | 282.547  | ug/l   | 92       |
| 60) Dibromochloromethane       | 10.90 | 129  | 276438   | 53.235   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 254104   | 52.670   | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 284106   | 48.674   | ug/l   | 95       |
| 65) Chlorobenzene              | 11.44 | 112  | 712842   | 49.805   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 276875   | 53.896   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 1262276  | 49.927   | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.62 | 106  | 941720   | 98.339   | ug/l   | 97       |
| 69) o-Xylene                   | 11.95 | 106  | 464931   | 49.714   | ug/l   | 97       |
| 70) Styrene                    | 11.96 | 104  | 774773   | 51.015   | ug/l   | 97       |
| 71) Bromoform                  | 12.13 | 173  | 173951   | 49.154   | ug/l   | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 1201427  | 49.395   | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 416536   | 59.559   | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 313051   | 56.382   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 375446   | 78.386   | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 306158   | 50.753   | ug/l   | 87       |
| 78) n-propylbenzene            | 12.59 | 91   | 1314299  | 49.832   | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 813916   | 49.487   | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 993382   | 49.832   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 68860    | 49.589   | ug/l # | 83       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 803775   | 50.418   | ug/l   | 96       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 867822   | 50.013   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 984891   | 50.352   | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 1067132  | 49.334   | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 957740   | 49.490   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 499043   | 49.921   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 487595   | 50.131   | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.62 | 91   | 764169   | 50.500   | ug/l   | 98       |
| 90) Hexachloroethane           | 13.88 | 117  | 156774   | 52.190   | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 496560   | 51.284   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 47477    | 58.298   | ug/l   | 85       |

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Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Quant Time: Mar 22 10:18:37 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N032019W.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 22 02:09:07 2019  
Response via : Initial Calibration

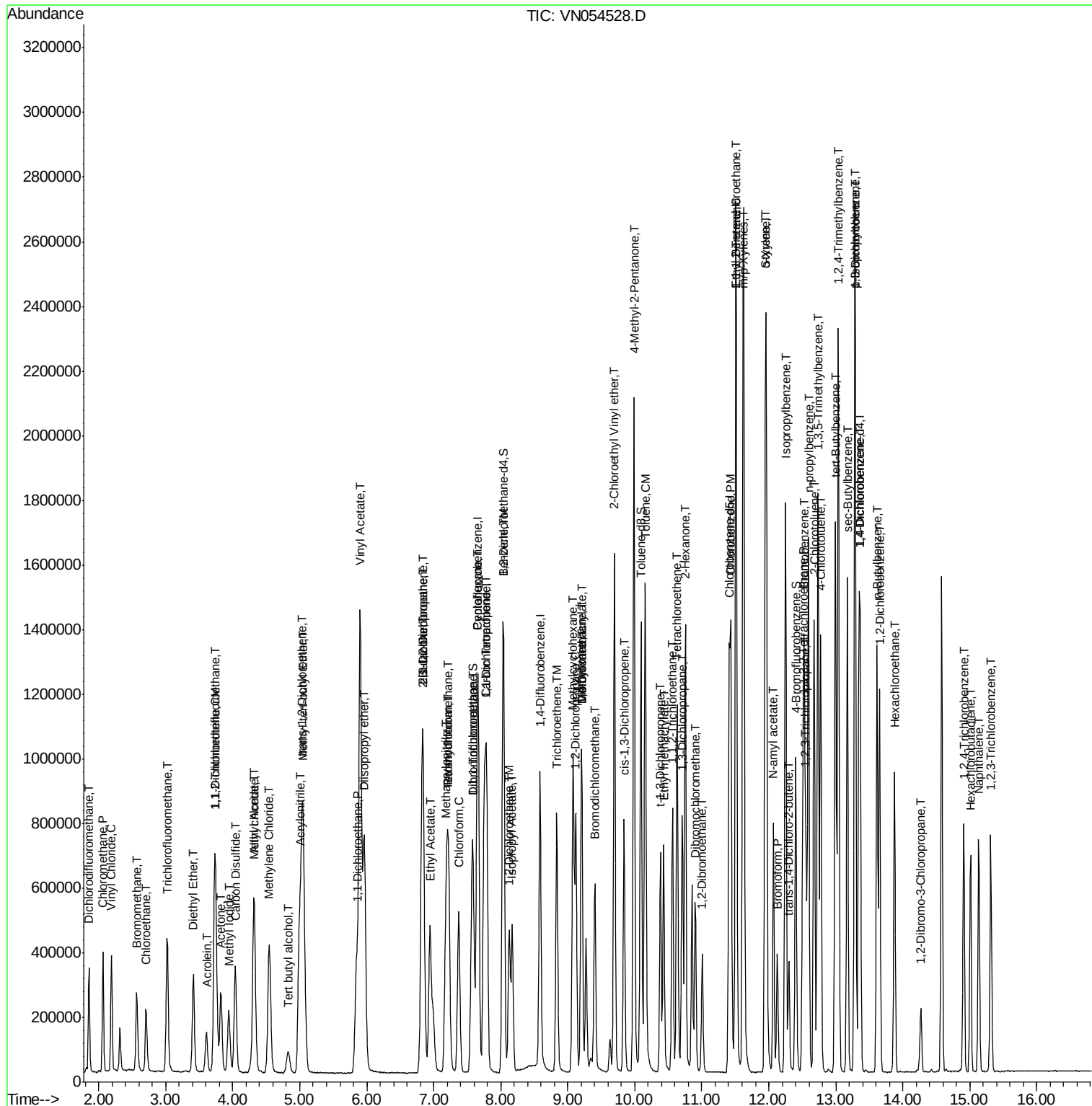
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 252103   | 52.229 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 135738   | 50.055 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 594612   | 55.228 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 254703   | 53.019 | ug/l  | 100      |

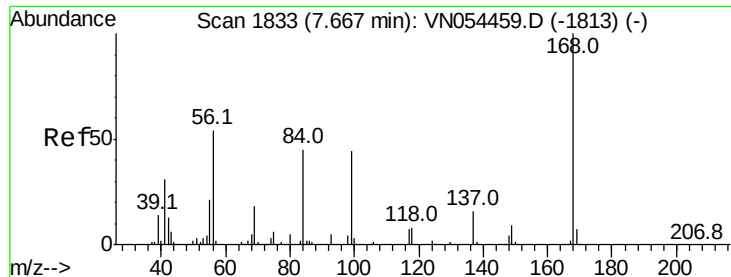
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN032119\  
 Data File : VN054528.D  
 Acq On : 21 Mar 2019 23:30  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 Client Sample Id :  
 VSTDCCC050

Quant Time: Mar 22 10:18:37 2019  
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N032019W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 22 02:09:07 2019  
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

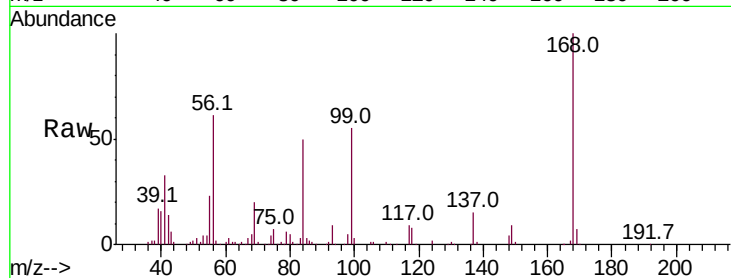
VSTDCCC050

Tot Ion:168 Resp: 487491

Ion Ratio Lower Upper

168 100

99 54.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

200000

150000

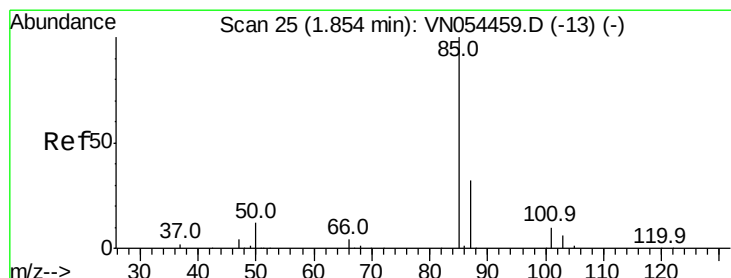
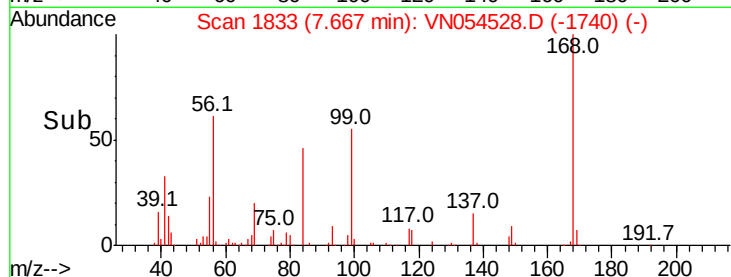
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50000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 53.030 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054528.D

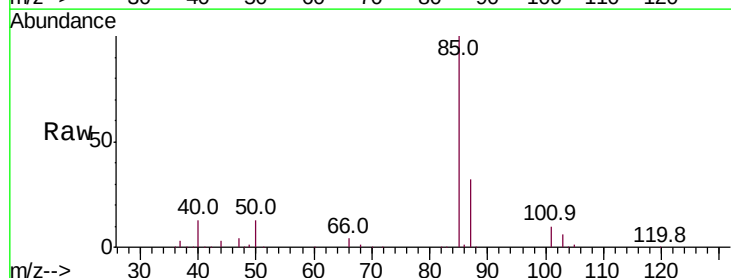
Acq: 21 Mar 2019 23:30

Tgt Ion: 85 Resp: 247135

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

200000

150000

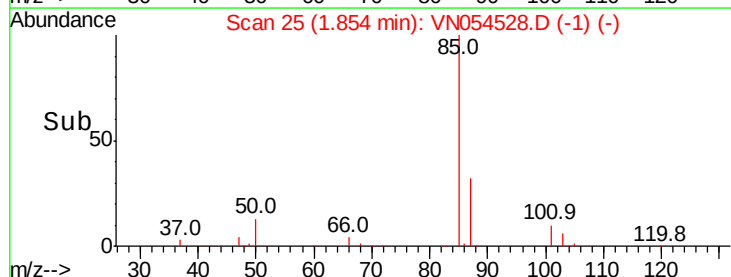
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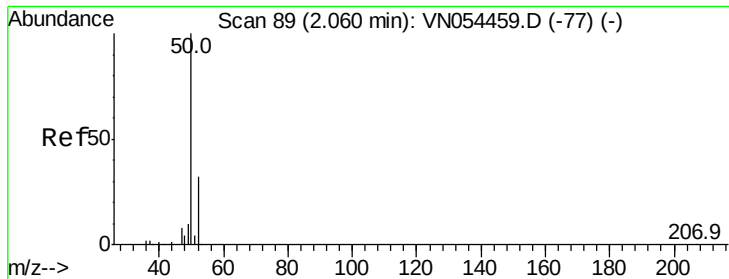
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0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 52.363 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

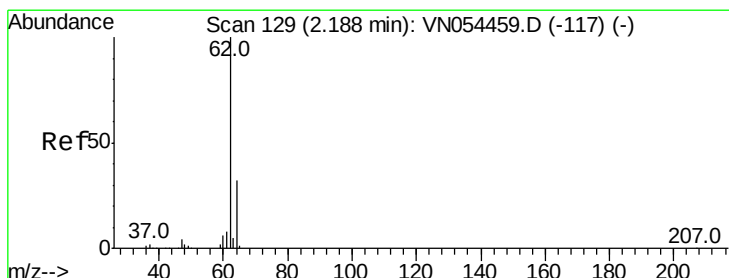
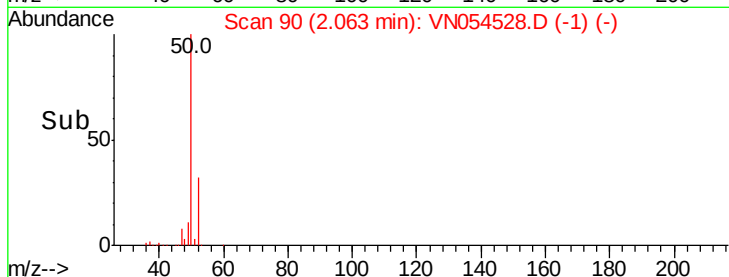
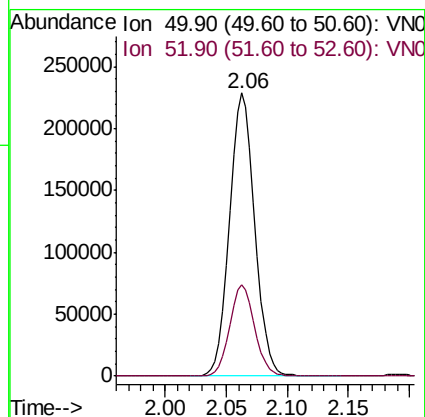
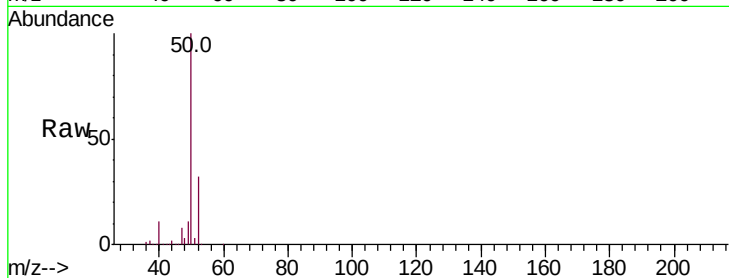
VSTDCCC050

Tot Ion: 50 Resp: 332018

Ion Ratio Lower Upper

50 100

52 32.5 26.4 39.6



#4

Vinyl Chloride

Concen: 51.404 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054528.D

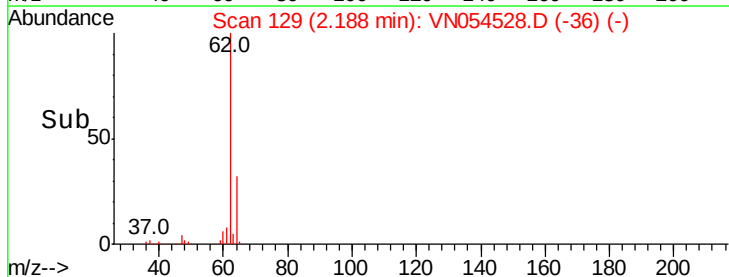
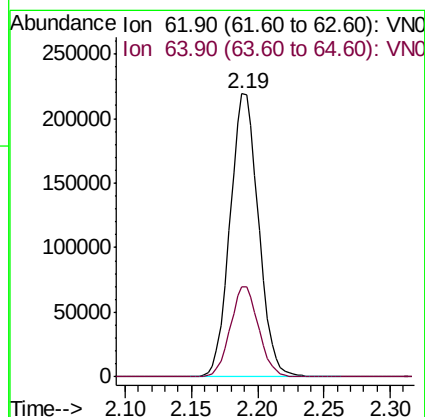
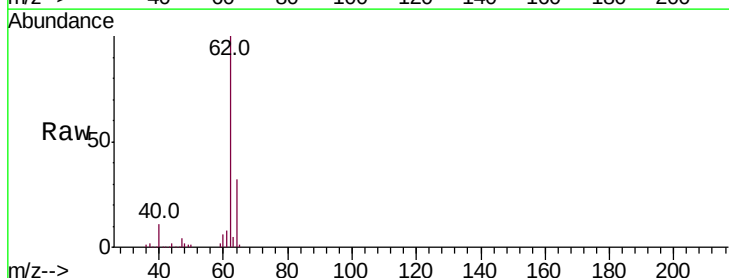
Acq: 21 Mar 2019 23:30

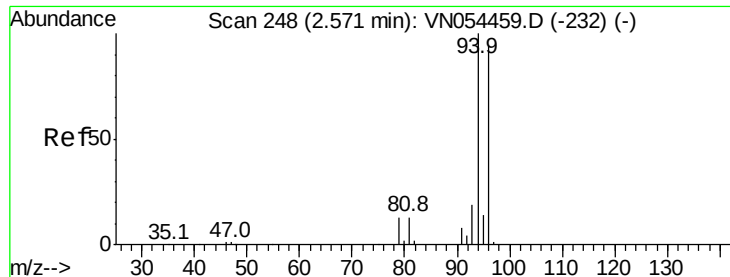
Tgt Ion: 62 Resp: 327240

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 43.662 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

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Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

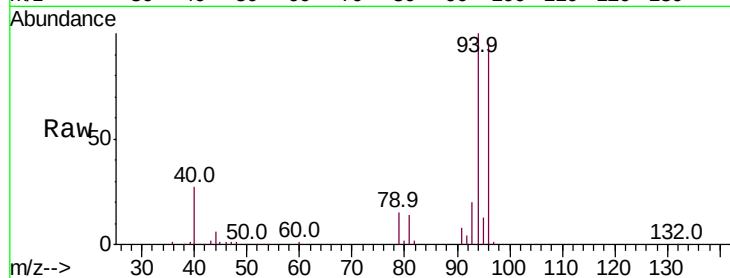
VSTDCCC050

Tot Ion: 94 Resp: 179733

Ion Ratio Lower Upper

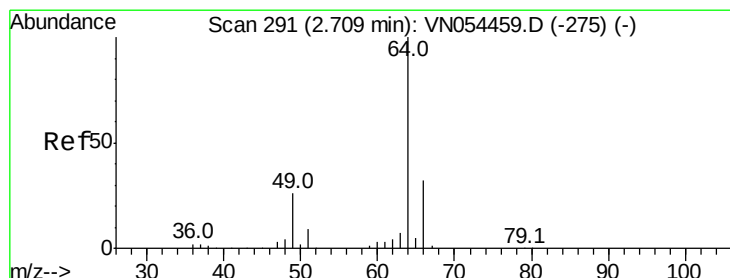
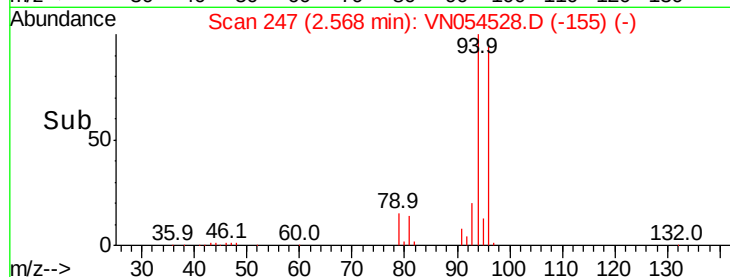
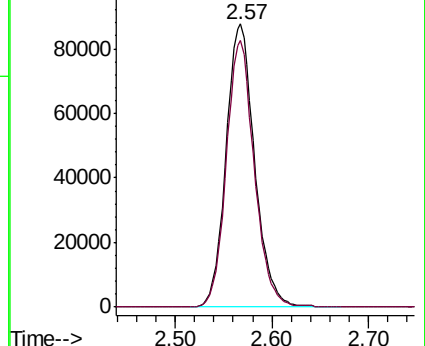
94 100

96 94.1 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.432 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054528.D

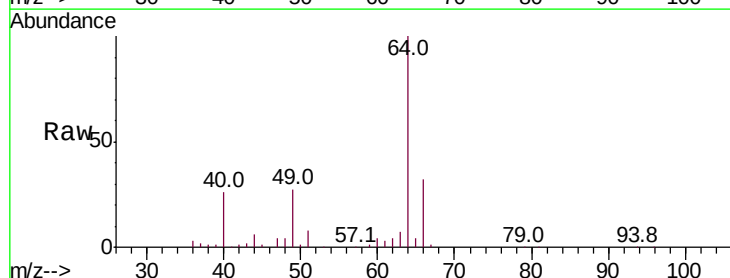
Acq: 21 Mar 2019 23:30

Tgt Ion: 64 Resp: 184931

Ion Ratio Lower Upper

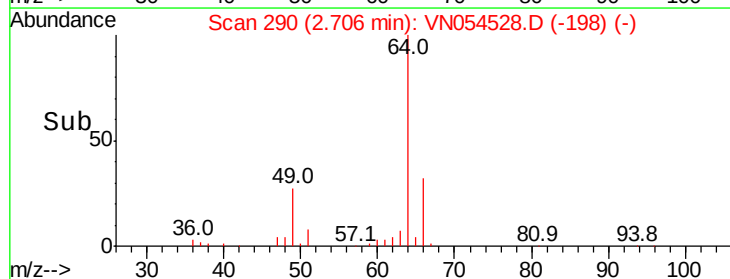
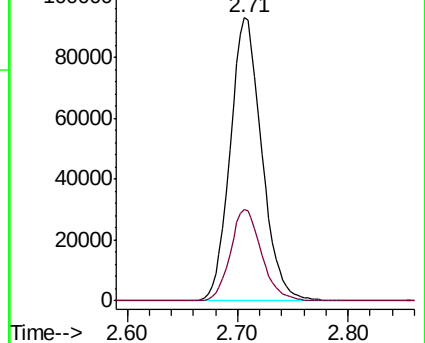
64 100

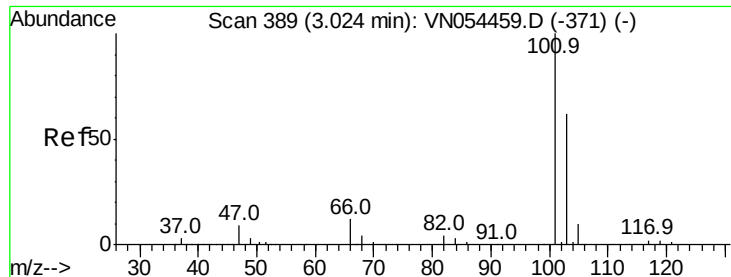
66 32.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



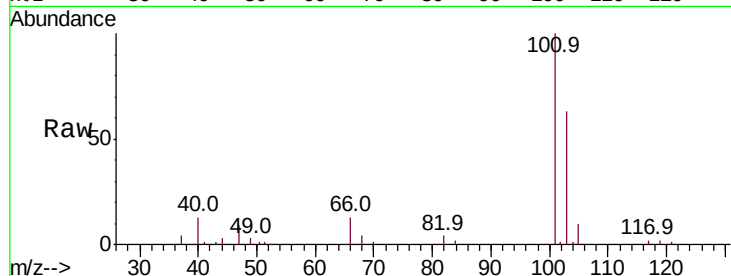


#7

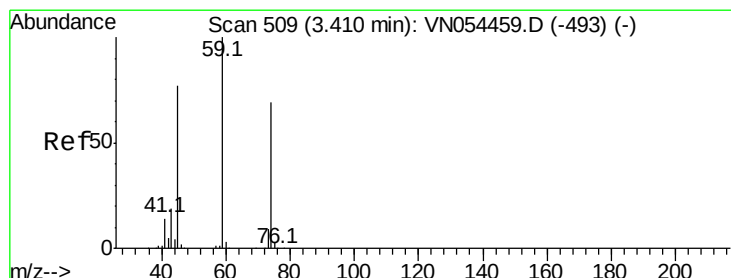
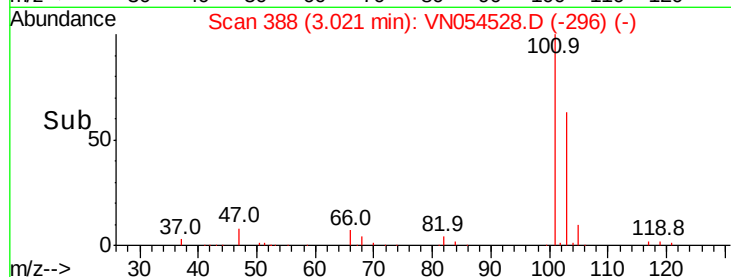
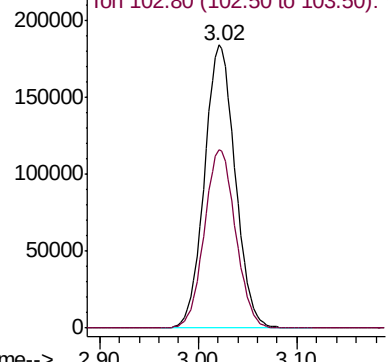
Trichlorofluoromethane  
Concen: 51.546 ug/l  
RT: 3.02 min Scan# 388  
Delta R.T. -0.00 min  
Lab File: VN054528.D  
Acq: 21 Mar 2019 23:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:101 Resp: 398505  
Ion Ratio Lower Upper  
101 100  
103 63.2 51.4 77.2



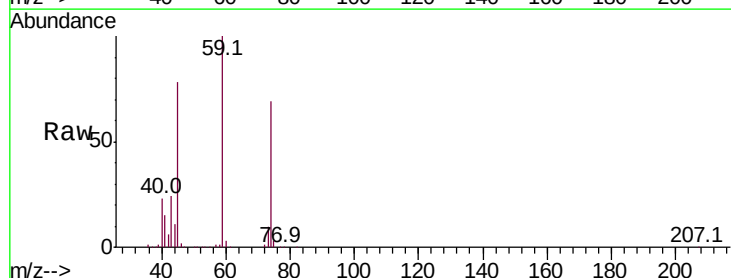
Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 102.80 (102.50 to 103.50): V



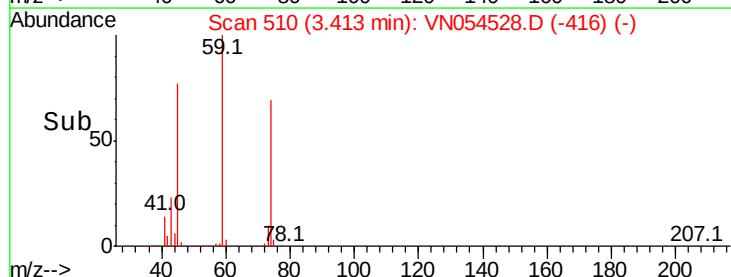
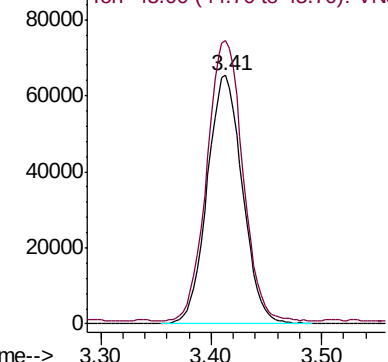
#8

Diethyl Ether  
Concen: 48.669 ug/l  
RT: 3.41 min Scan# 510  
Delta R.T. 0.00 min  
Lab File: VN054528.D  
Acq: 21 Mar 2019 23:30

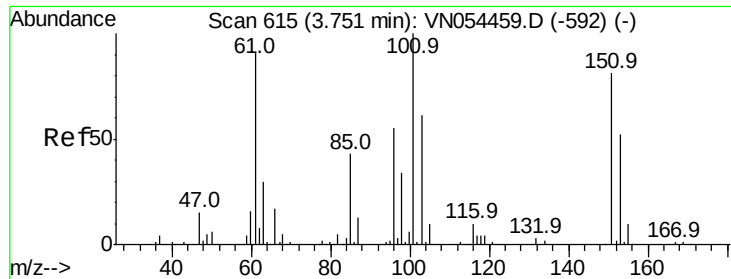
Tgt Ion: 74 Resp: 144707  
Ion Ratio Lower Upper  
74 100  
45 114.2 43.1 129.4



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: 45.933 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

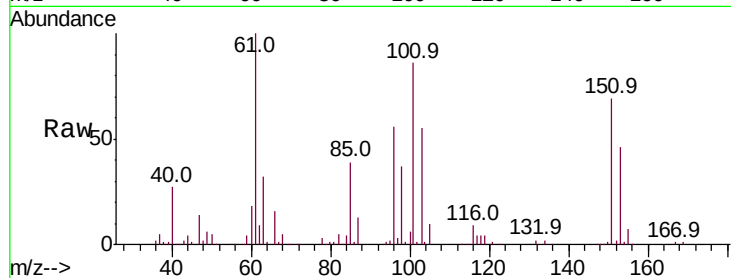
Tot Ion:101 Resp: 208699

Ion Ratio Lower Upper

101 100

85 45.3 32.4 48.6

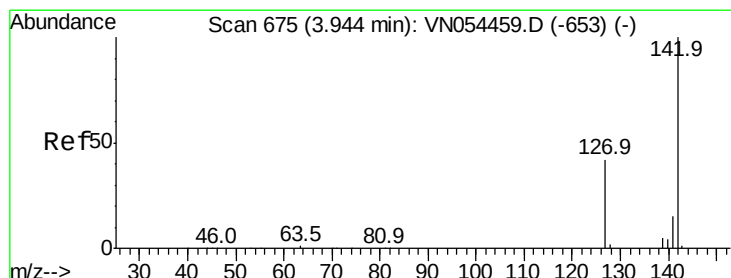
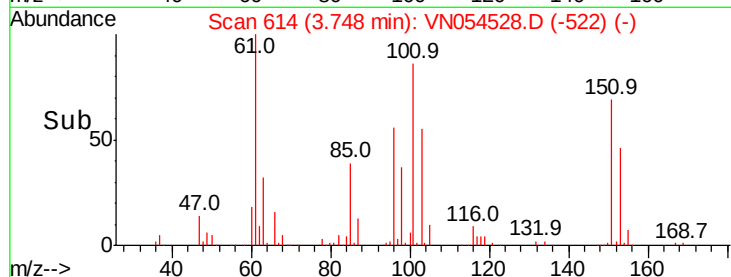
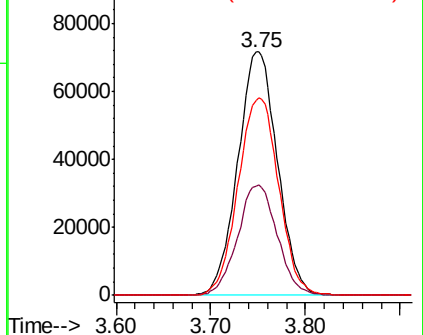
151 83.0 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.584 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

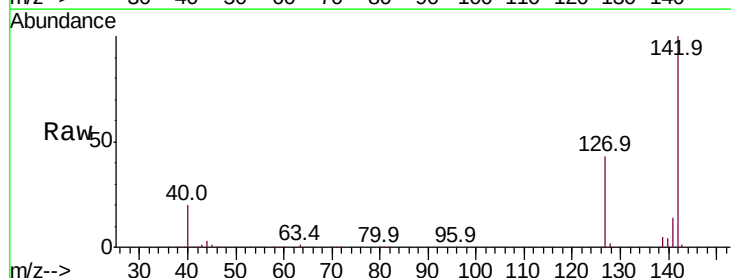
Tgt Ion:142 Resp: 297980

Ion Ratio Lower Upper

142 100

127 43.8 30.3 45.5

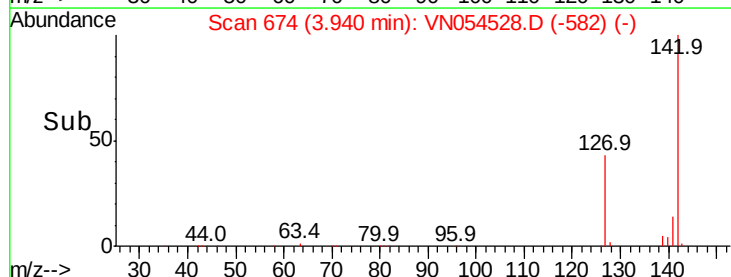
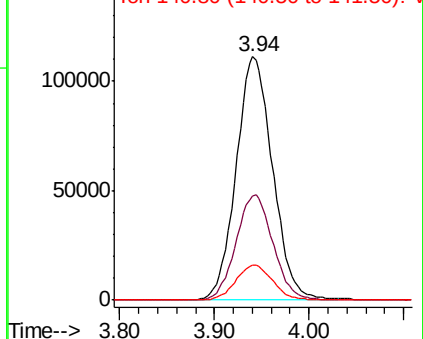
141 14.4 11.2 16.8

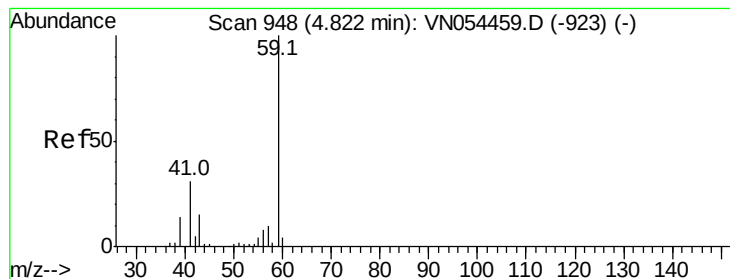


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



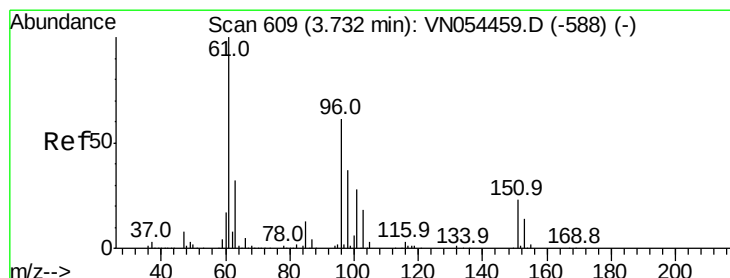
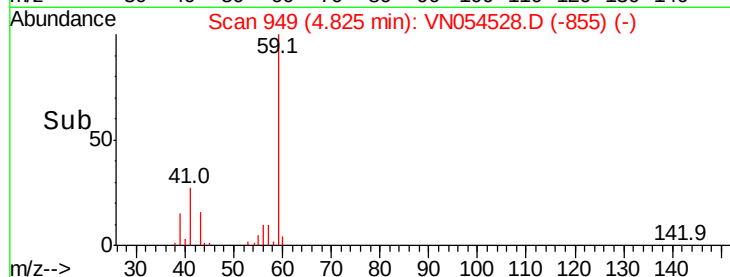
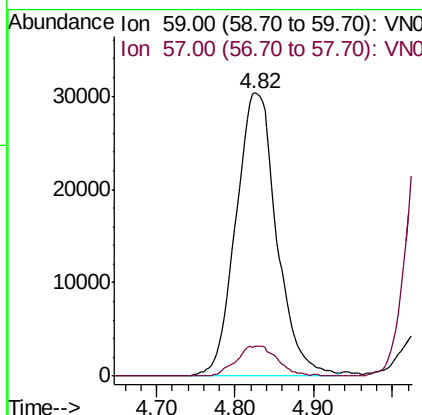
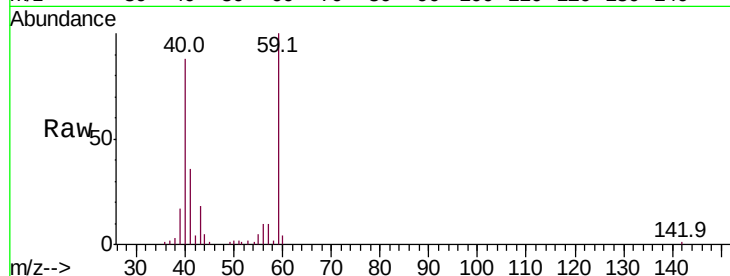


#11

Tert butyl alcohol  
 Concen: 301.930 ug/l  
 RT: 4.82 min Scan# 949  
 Delta R.T. 0.00 min  
 Lab File: VN054528.D  
 Acq: 21 Mar 2019 23:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

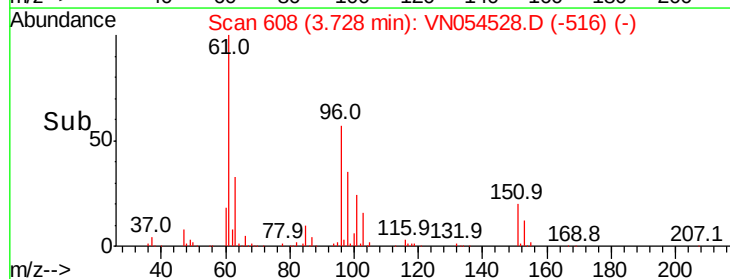
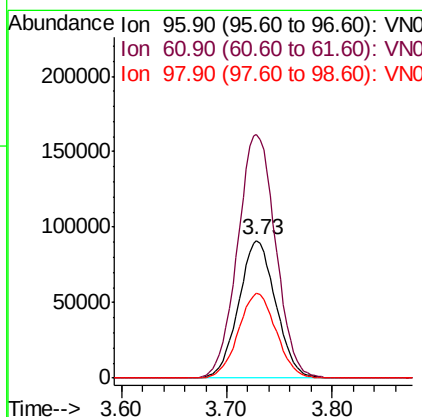
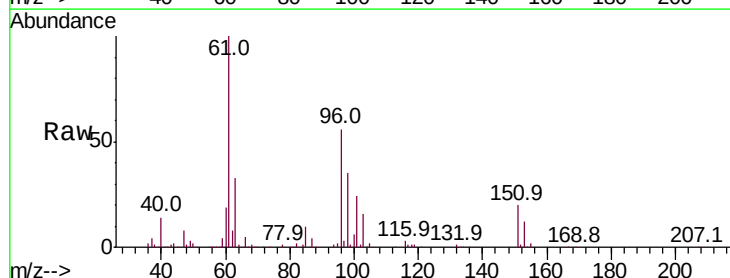
Tot Ion: 59 Resp: 110840  
 Ion Ratio Lower Upper  
 59 100  
 57 10.6 9.0 13.6

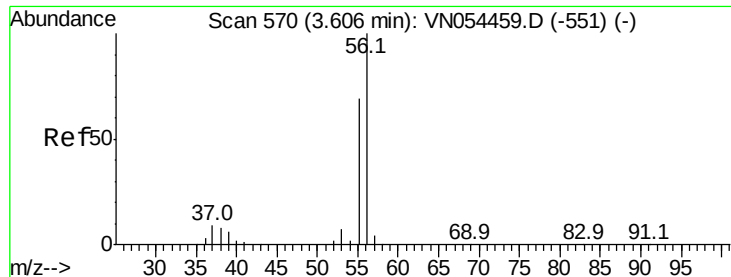


#12

1,1-Dichloroethene  
 Concen: 47.359 ug/l  
 RT: 3.73 min Scan# 608  
 Delta R.T. -0.00 min  
 Lab File: VN054528.D  
 Acq: 21 Mar 2019 23:30

Tgt Ion: 96 Resp: 222686  
 Ion Ratio Lower Upper  
 96 100  
 61 176.8 116.5 174.7#  
 98 62.0 51.0 76.4





#13

Acrolein

Concen: 272.686 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

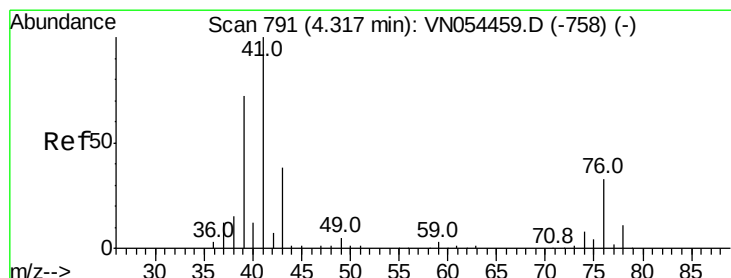
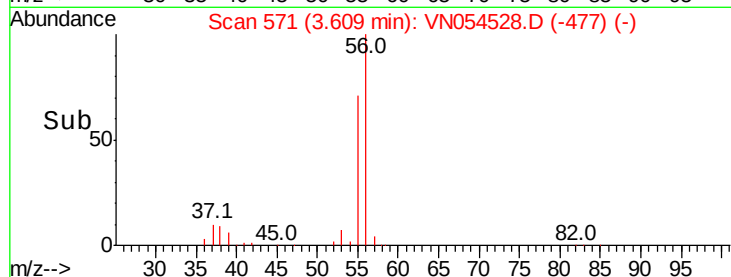
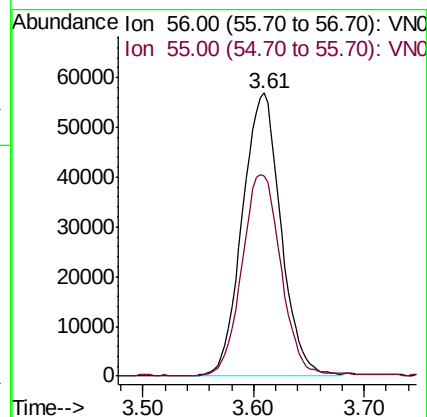
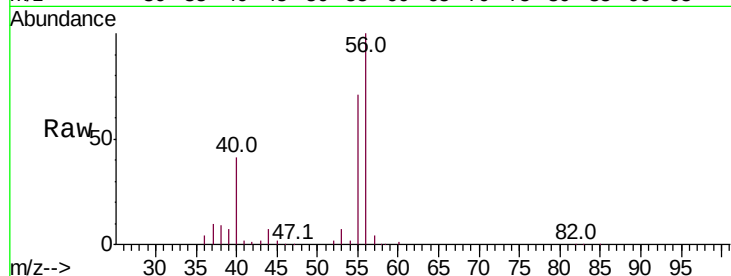
VSTDCCC050

Tot Ion: 56 Resp: 138145

Ion Ratio Lower Upper

56 100

55 71.2 56.7 85.1



#14

Allyl chloride

Concen: 54.985 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

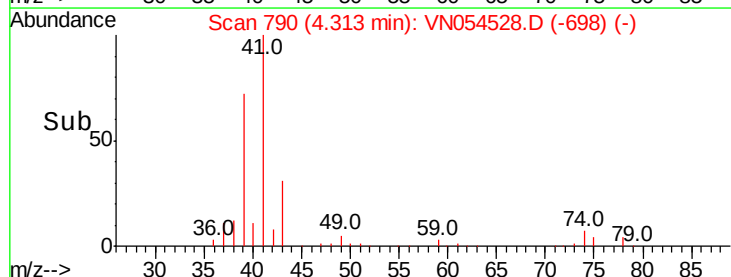
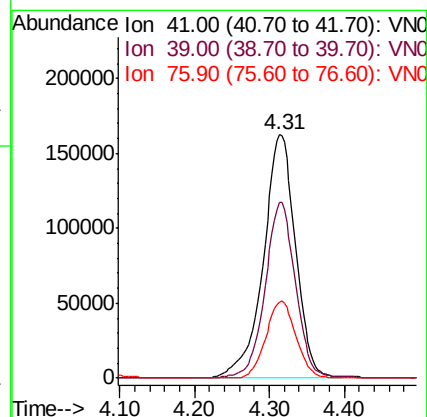
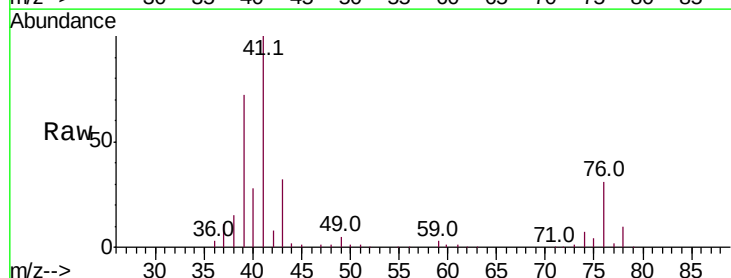
Tgt Ion: 41 Resp: 486849

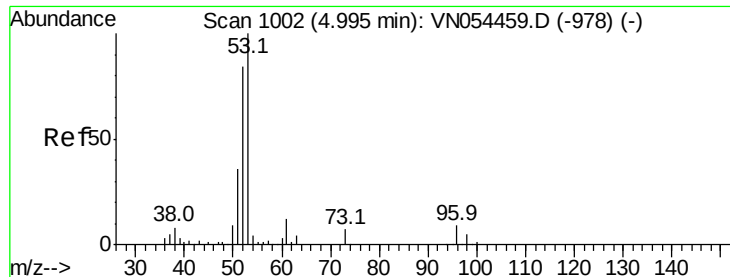
Ion Ratio Lower Upper

41 100

39 67.4 58.2 87.4

76 29.5 31.7 47.5#





#15

Acrylonitrile

Concen: 300.068 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

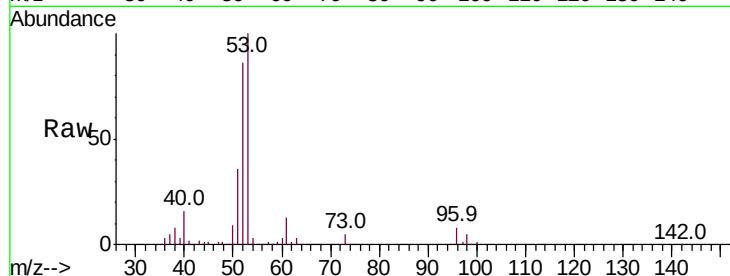
Tot Ion: 53 Resp: 548568

Ion Ratio Lower Upper

53 100

52 83.1 66.4 99.6

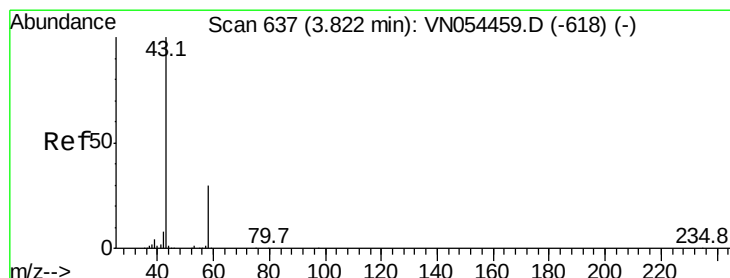
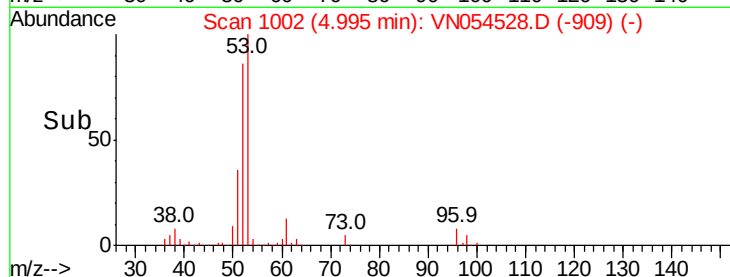
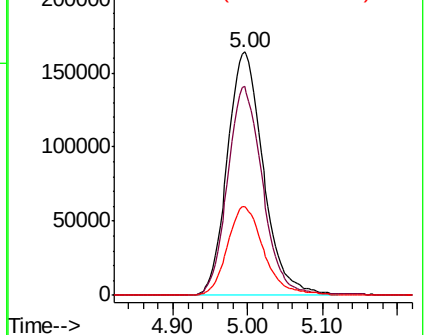
51 37.1 29.6 44.4



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: 221.754 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054528.D

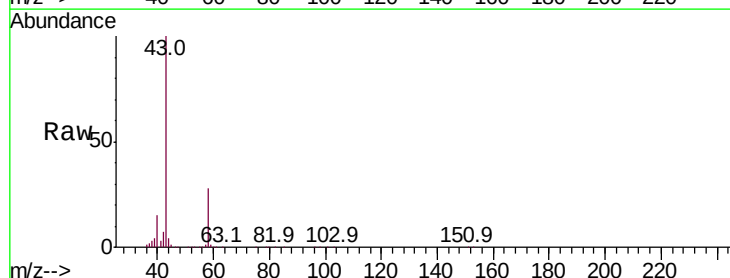
Acq: 21 Mar 2019 23:30

Tgt Ion: 43 Resp: 404264

Ion Ratio Lower Upper

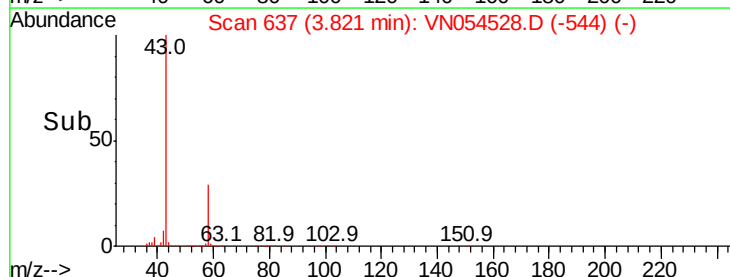
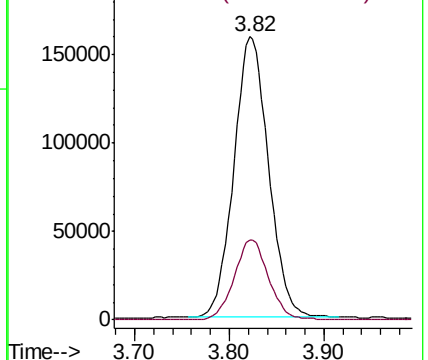
43 100

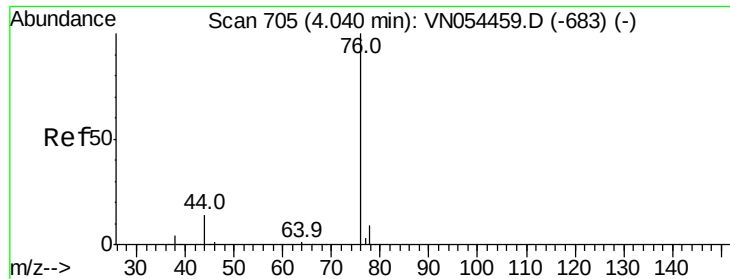
58 28.5 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 49.666 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

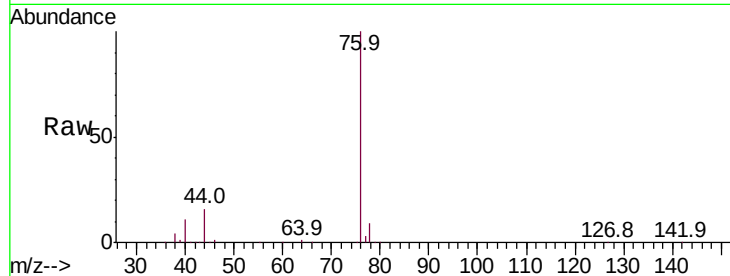
VSTDCCC050

Tot Ion: 76 Resp: 625724

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN054459.D (-683) (-)

Ion 77.90 (77.60 to 78.60): VN054459.D (-683) (-)

4.04

250000

200000

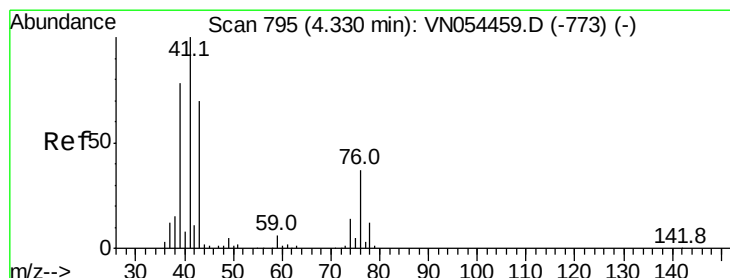
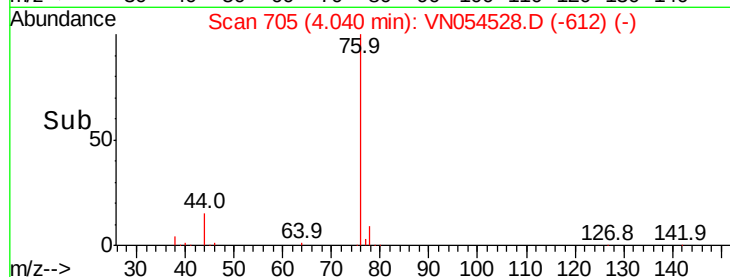
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 60.264 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054528.D

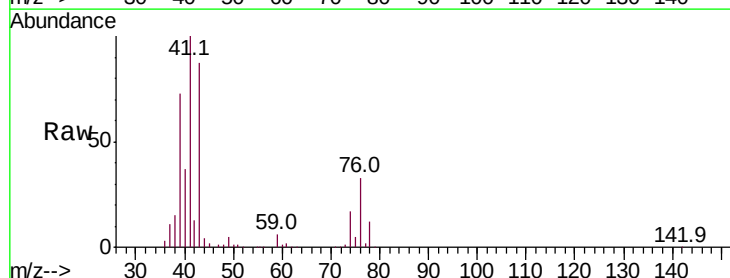
Acq: 21 Mar 2019 23:30

Tgt Ion: 43 Resp: 244873

Ion Ratio Lower Upper

43 100

74 20.7 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-773) (-)

Ion 74.00 (73.70 to 74.70): VN054459.D (-773) (-)

4.33

100000

80000

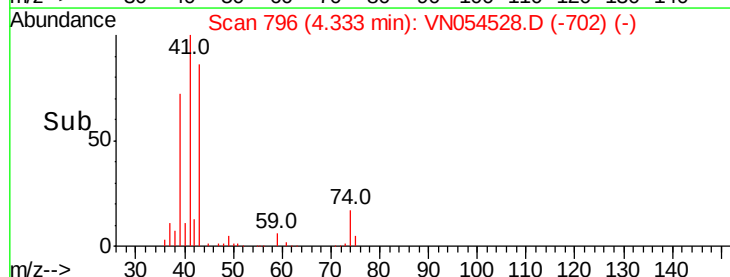
60000

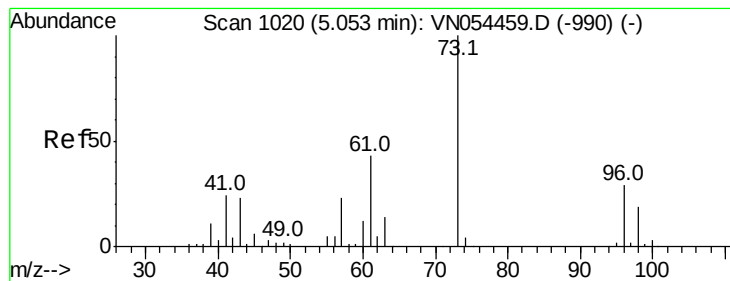
40000

20000

0

Time-->



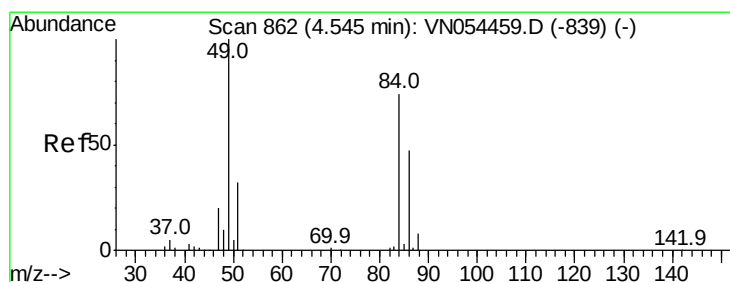
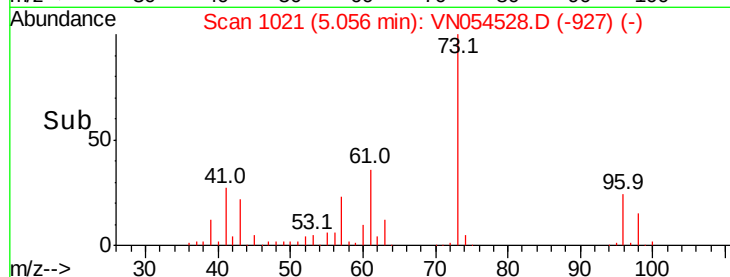
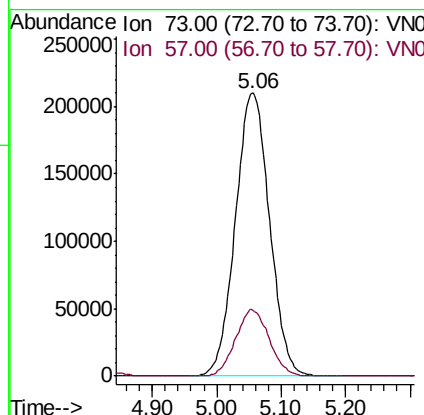
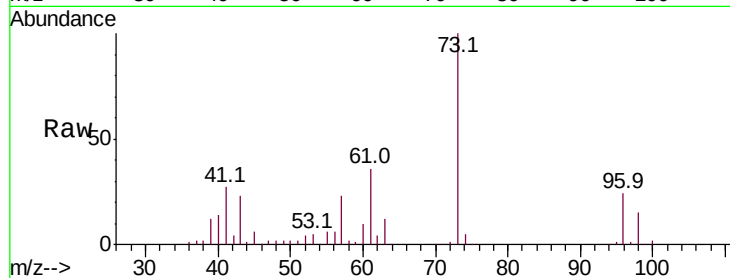


#19

Methyl tert-butyl Ether  
 Concen: 56.499 ug/l  
 RT: 5.06 min Scan# 1021  
 Delta R.T. 0.00 min  
 Lab File: VN054528.D  
 Acq: 21 Mar 2019 23:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

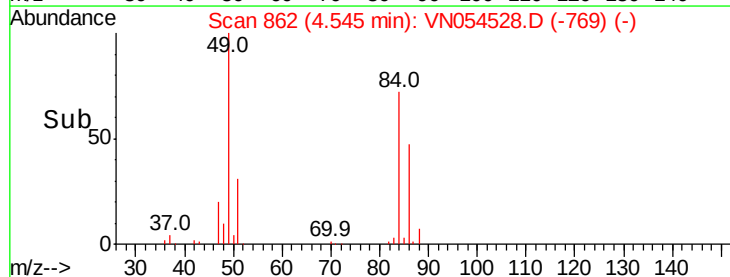
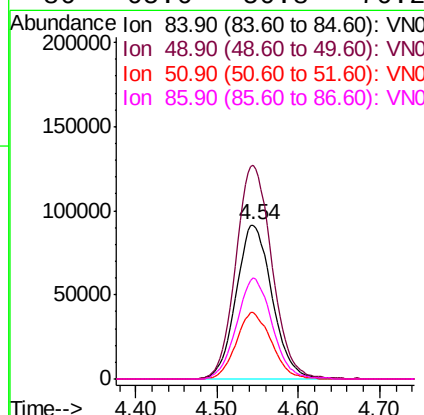
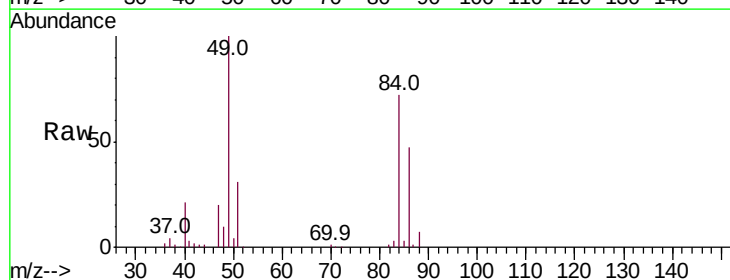
Tot Ion: 73 Resp: 775313  
 Ion Ratio Lower Upper  
 73 100  
 57 23.4 16.8 25.2

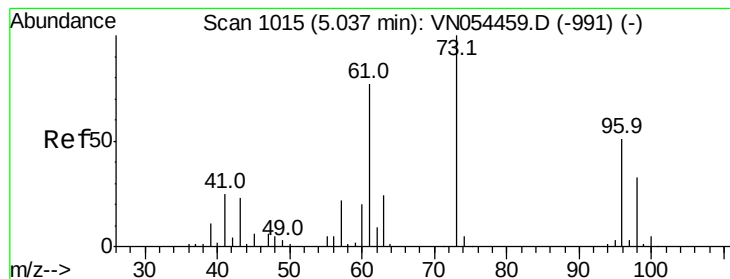


#20

Methylene Chloride  
 Concen: 52.185 ug/l  
 RT: 4.54 min Scan# 862  
 Delta R.T. -0.00 min  
 Lab File: VN054528.D  
 Acq: 21 Mar 2019 23:30

Tgt Ion: 84 Resp: 280436  
 Ion Ratio Lower Upper  
 84 100  
 49 138.9 89.7 134.5#  
 51 43.3 28.2 42.4#  
 86 65.6 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 55.419 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

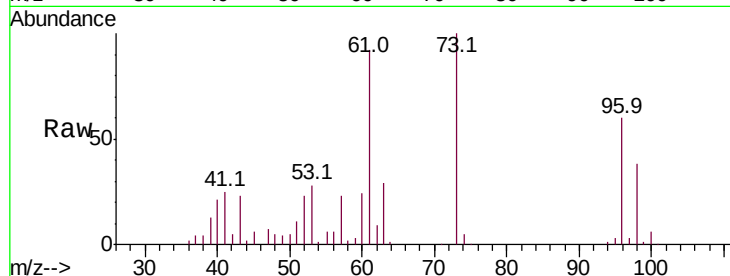
Tot Ion: 96 Resp: 266082

Ion Ratio Lower Upper

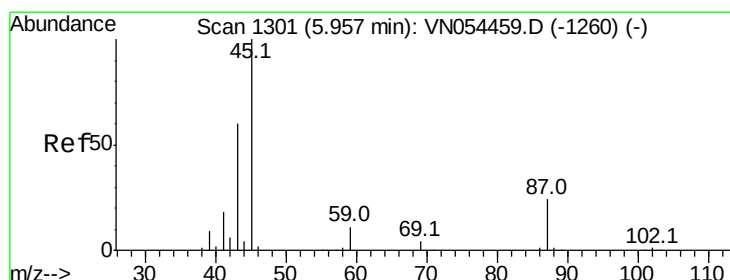
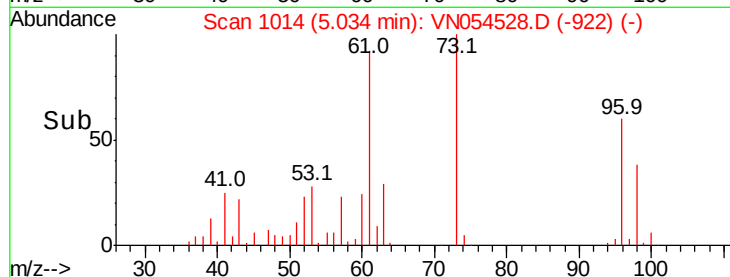
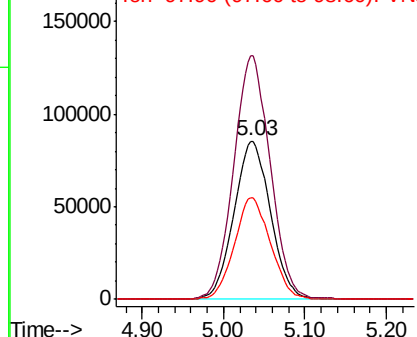
96 100

61 153.7 102.8 154.2

98 64.2 50.0 75.0



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



#22

Diisopropyl ether

Concen: 57.418 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Tgt Ion: 45 Resp: 1002786

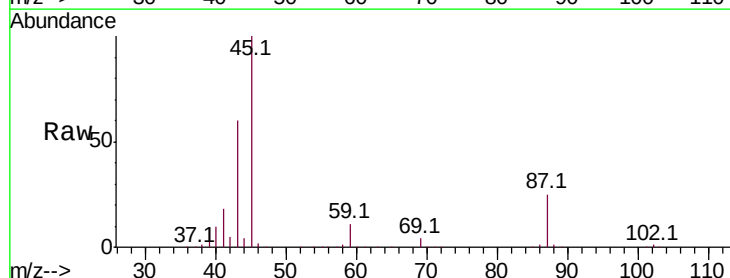
Ion Ratio Lower Upper

45 100

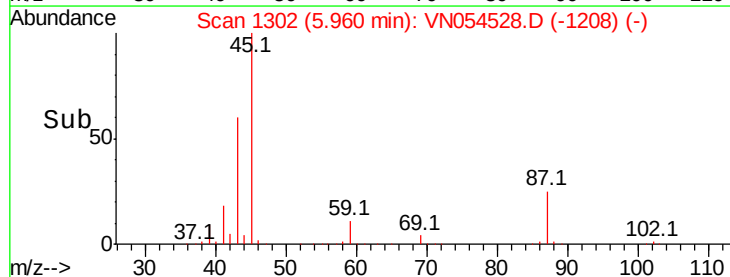
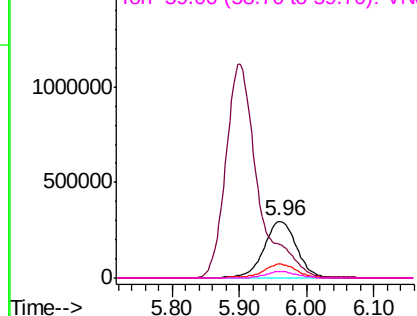
43 59.5 48.2 72.2

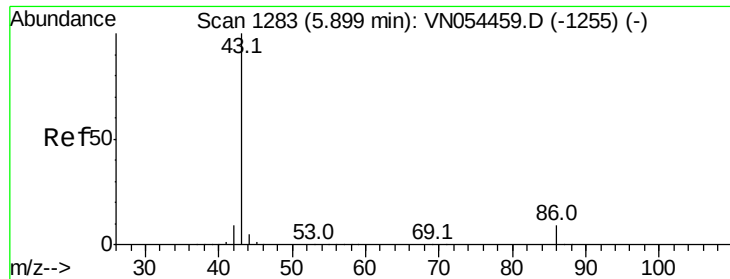
87 24.5 24.9 37.3#

59 11.0 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VNC  
Ion 43.00 (42.70 to 43.70): VNC  
Ion 87.00 (86.70 to 87.70): VNC  
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 302.191 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

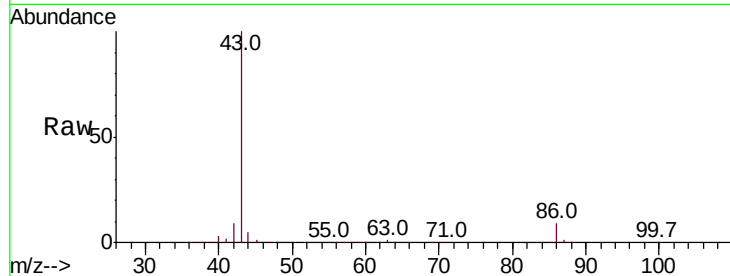
VSTDCCC050

Tot Ion: 43 Resp: 3727475

Ion Ratio Lower Upper

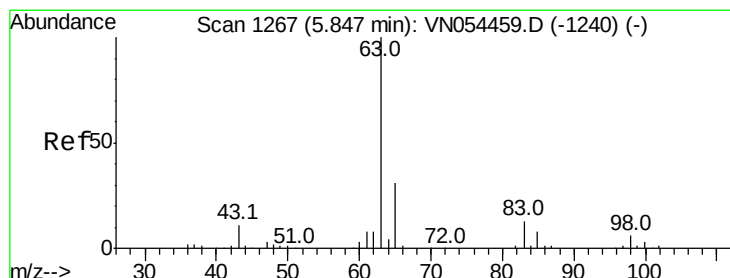
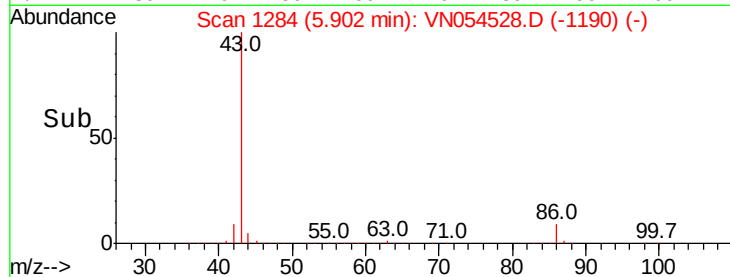
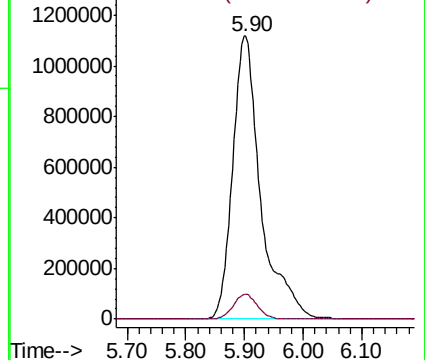
43 100

86 8.9 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 56.175 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

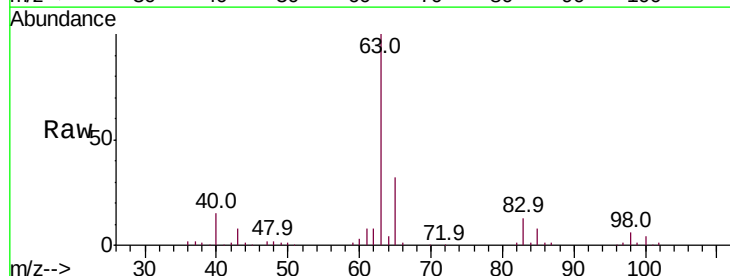
Tgt Ion: 63 Resp: 528243

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.5

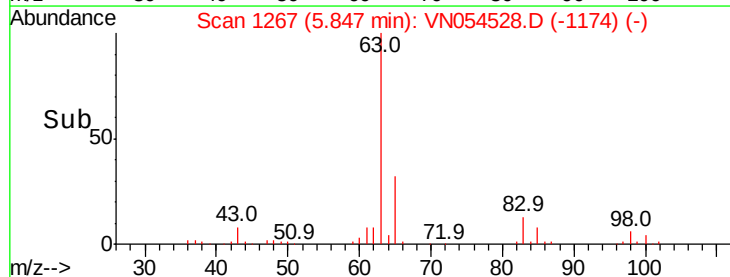
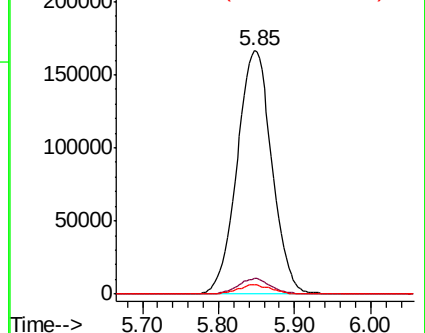
100 4.0 2.0 6.0



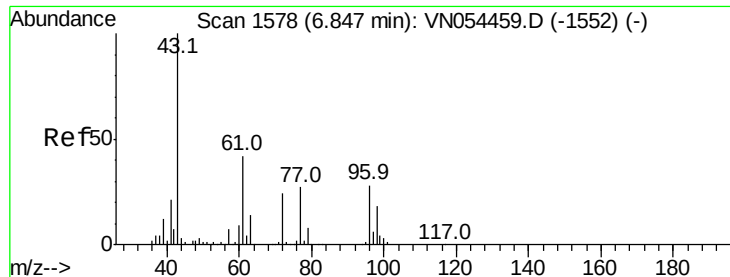
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0







#25

2-Butanone

Concen: 299.598 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

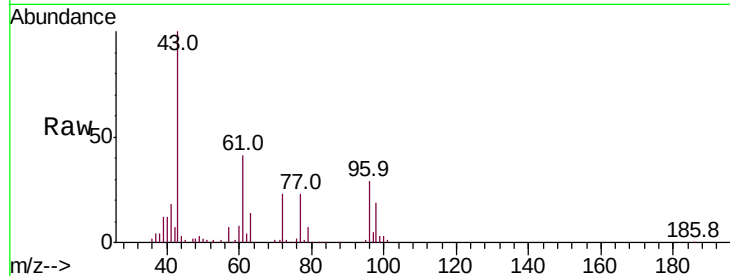
VSTDCCC050

Tot Ion: 43 Resp: 699650

Ion Ratio Lower Upper

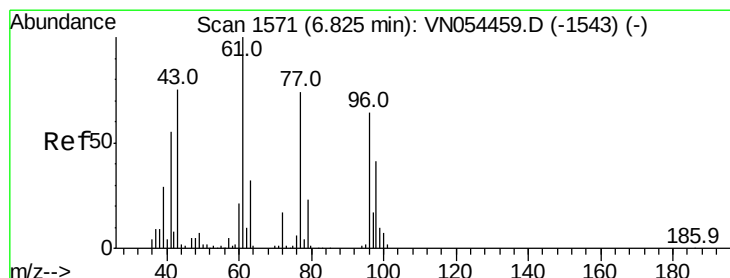
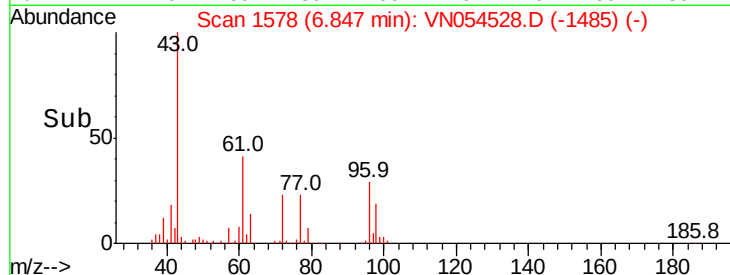
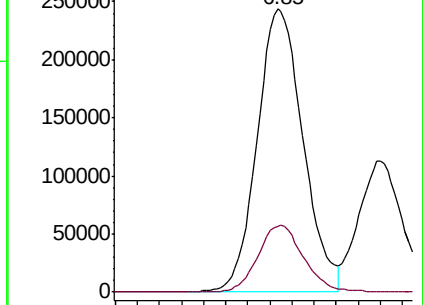
43 100

72 23.4 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 47.082 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054528.D

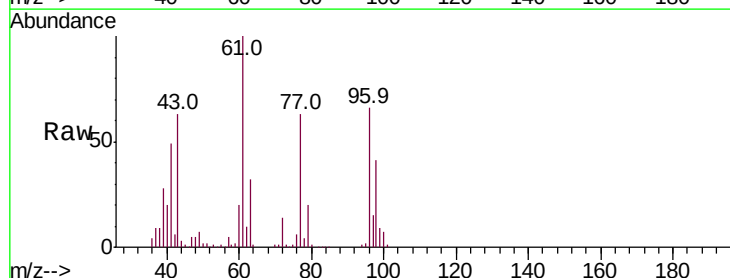
Acq: 21 Mar 2019 23:30

Tgt Ion: 77 Resp: 315603

Ion Ratio Lower Upper

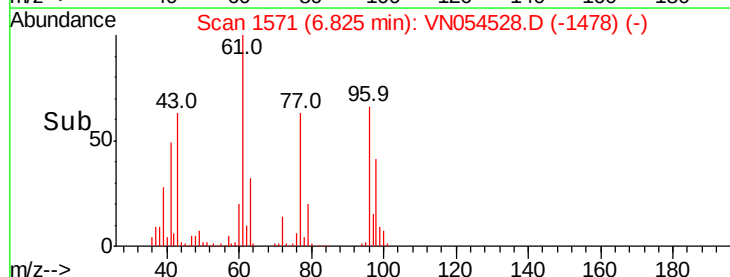
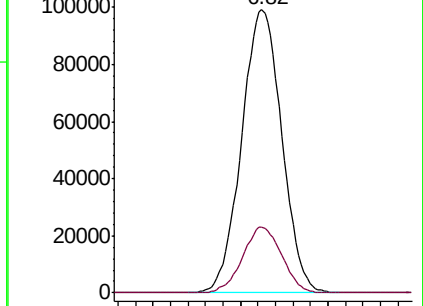
77 100

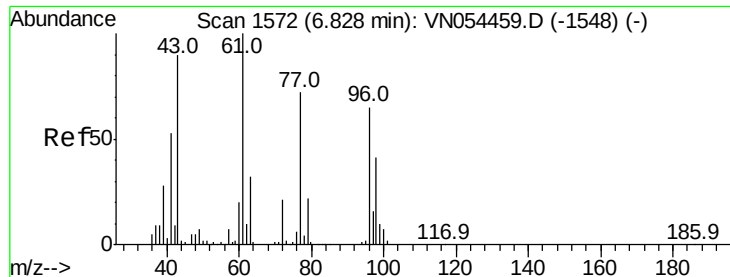
97 22.8 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 54.135 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

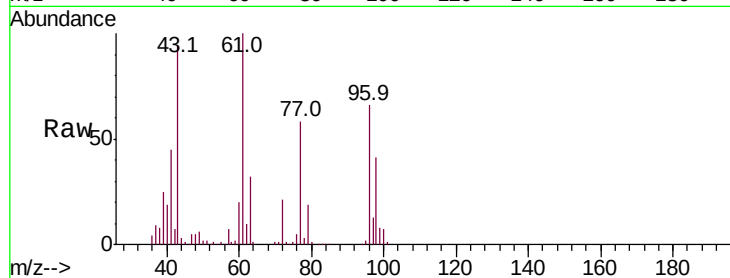
Tot Ion: 96 Resp: 310024

Ion Ratio Lower Upper

96 100

61 153.2 0.0 273.0

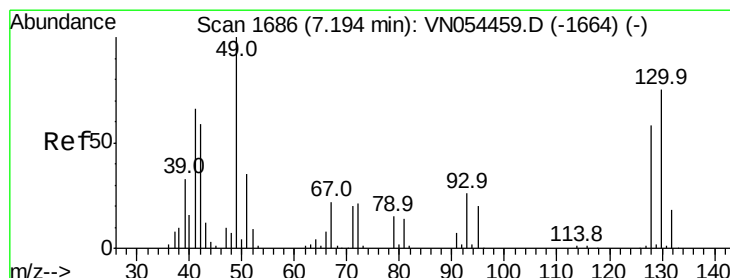
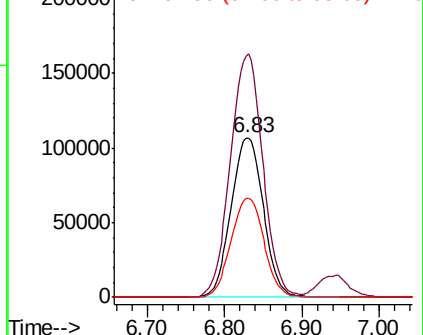
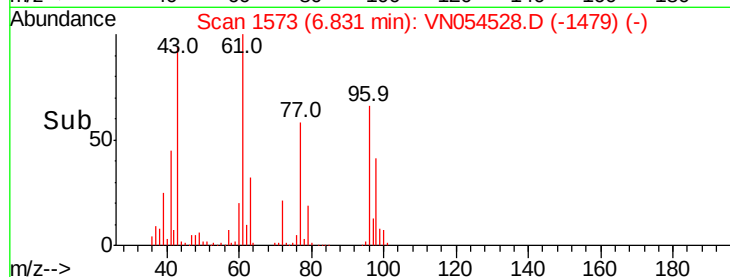
98 63.3 0.0 130.6



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: 59.308 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

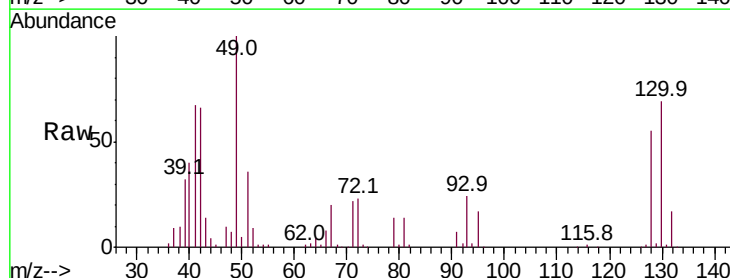
Tgt Ion: 49 Resp: 274516

Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.6

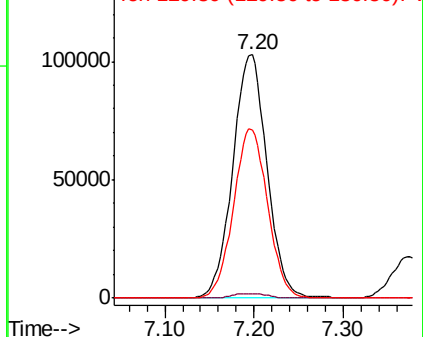
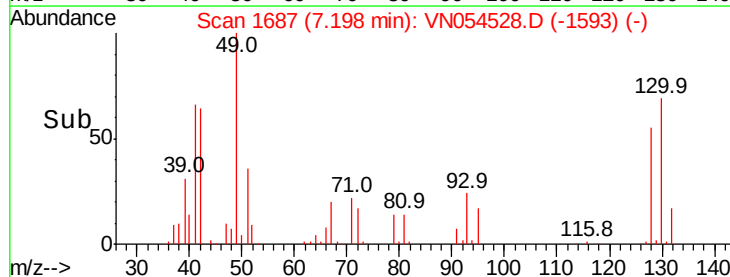
130 69.4 76.7 115.1#

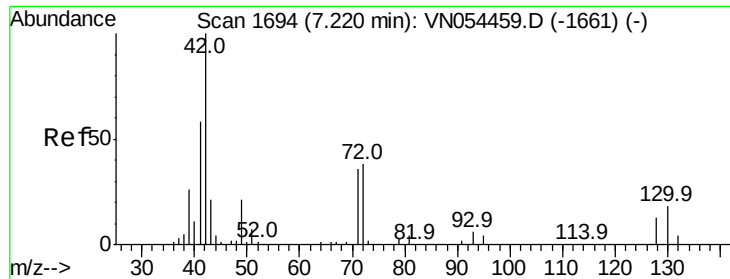


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 319.825 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

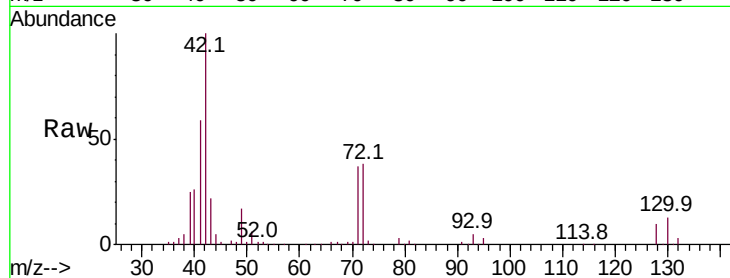
Tot Ion: 42 Resp: 484680

Ion Ratio Lower Upper

42 100

72 37.2 37.8 56.6#

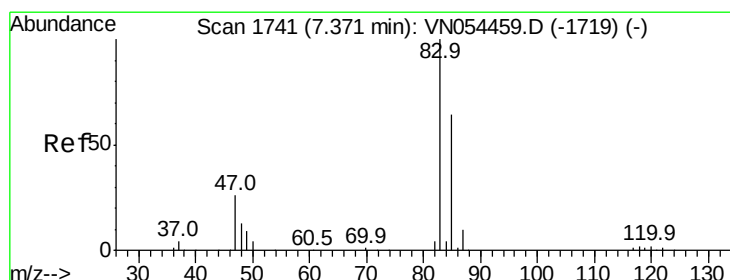
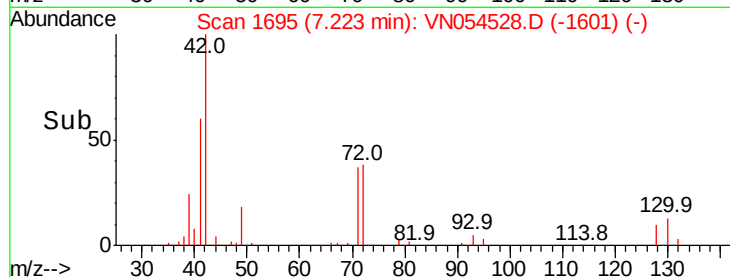
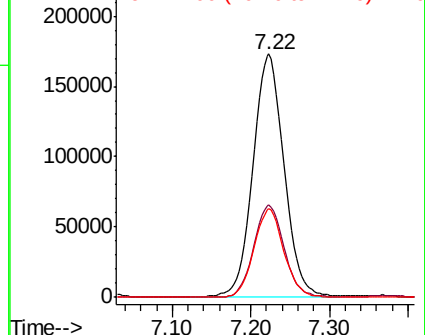
71 35.4 36.2 54.2#



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: 55.795 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN054528.D

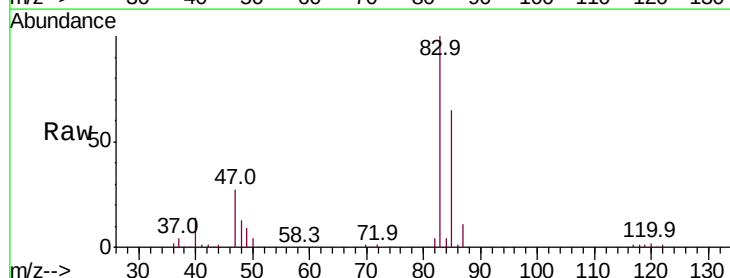
Acq: 21 Mar 2019 23:30

Tgt Ion: 83 Resp: 512036

Ion Ratio Lower Upper

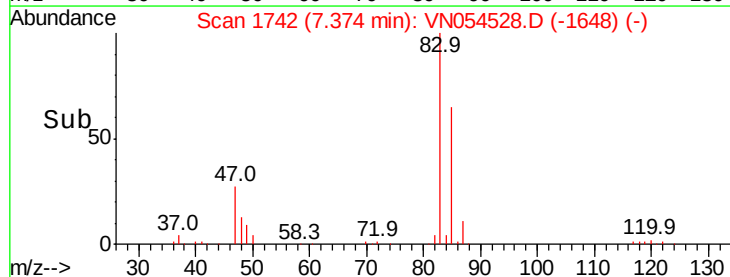
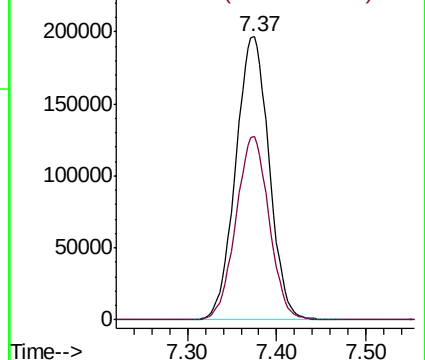
83 100

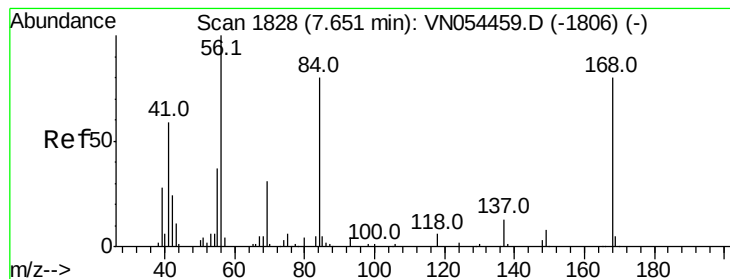
85 64.9 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 54.413 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

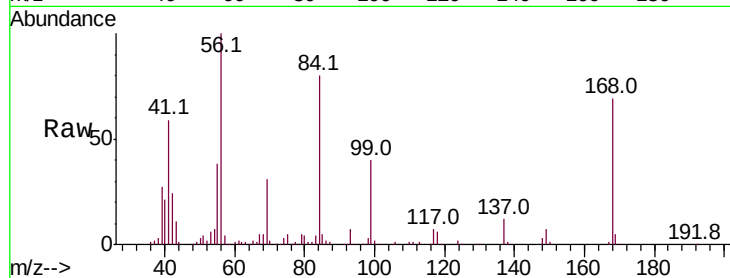
Tot Ion: 56 Resp: 488821

Ion Ratio Lower Upper

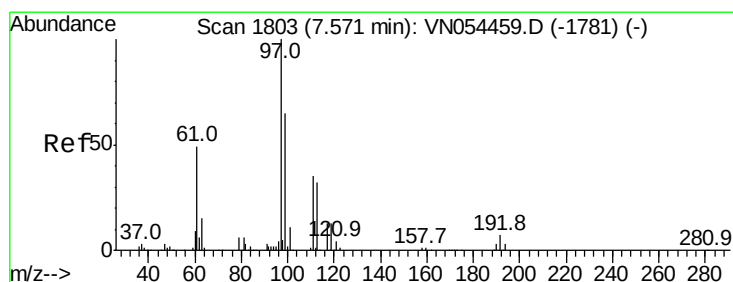
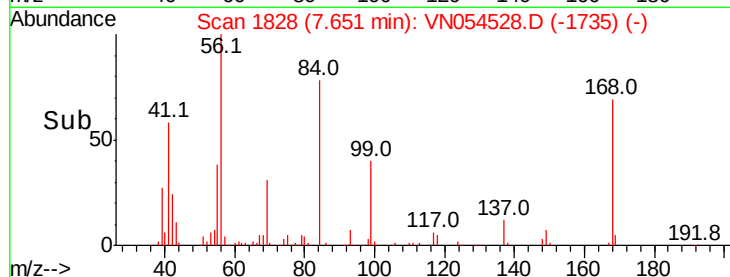
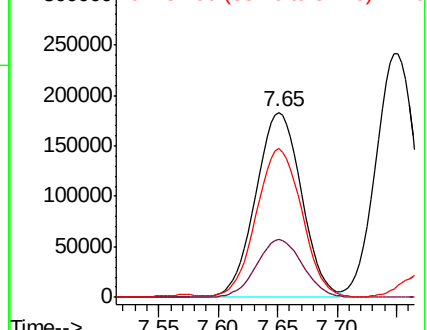
56 100

69 31.2 27.8 41.6

84 78.9 74.6 111.8



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



#32

1,1,1-Trichloroethane

Concen: 56.461 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

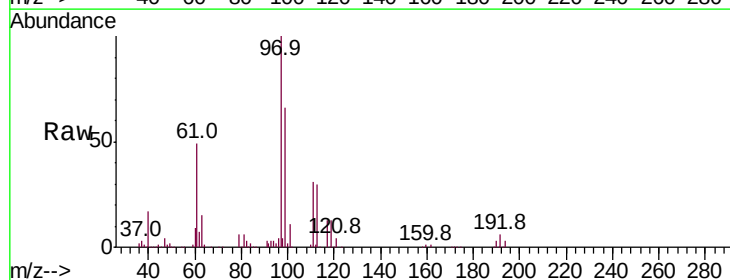
Tgt Ion: 97 Resp: 427477

Ion Ratio Lower Upper

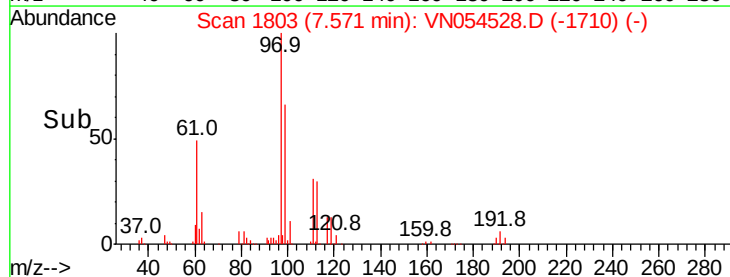
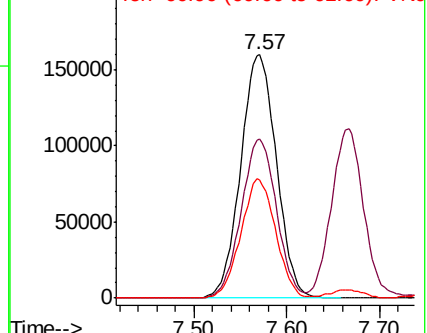
97 100

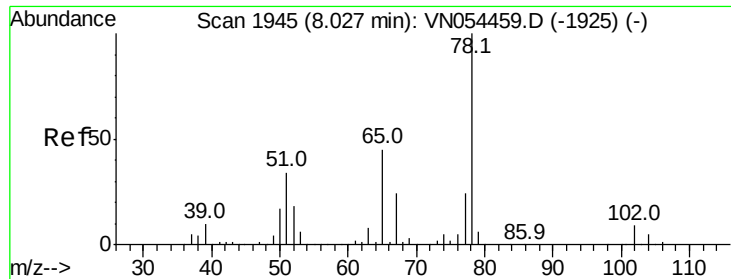
99 64.8 51.5 77.3

61 47.8 33.6 50.4



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

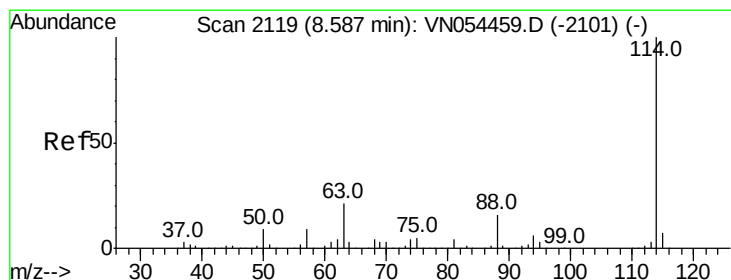
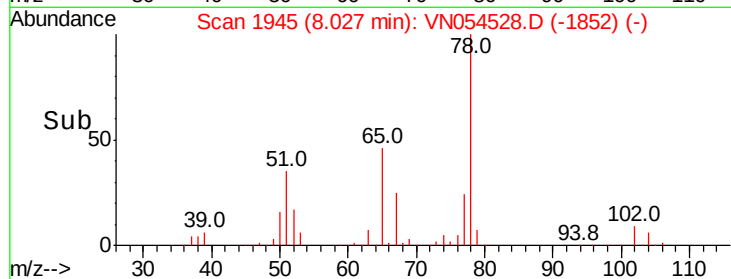
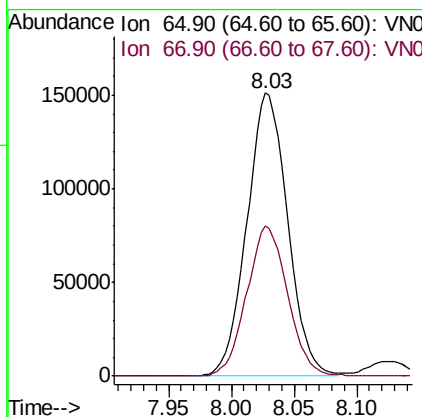
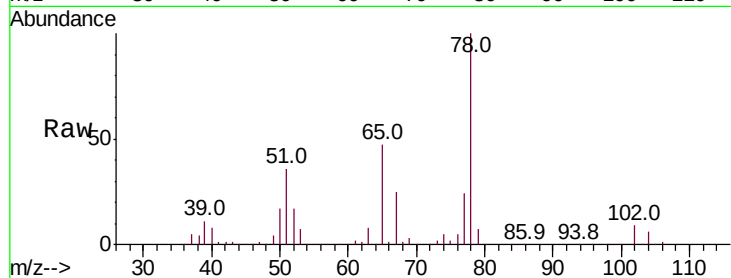




#33  
 1,2-Dichloroethane-d4  
 Concen: 56.495 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN054528.D  
 Acq: 21 Mar 2019 23:30

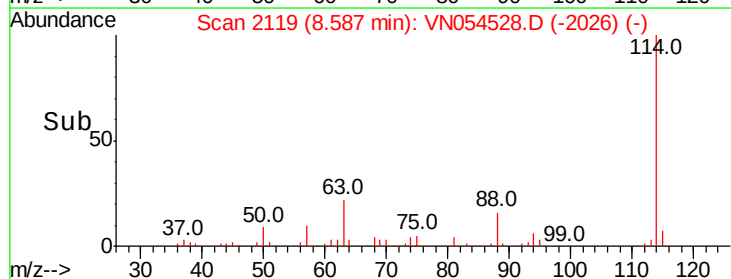
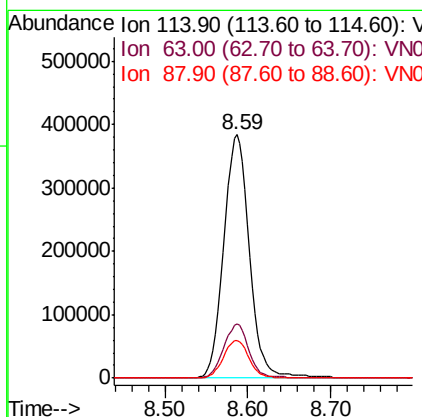
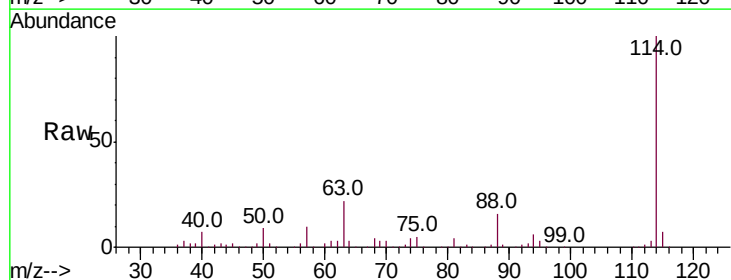
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

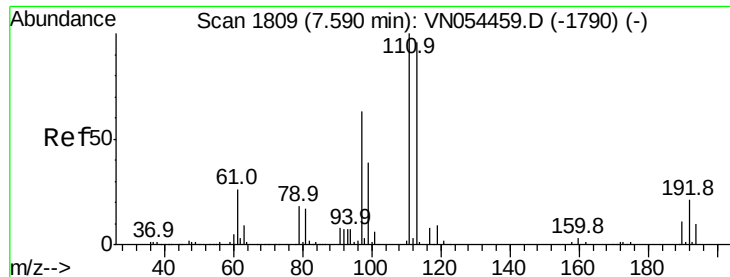
Tot Ion: 65 Resp: 342564  
 Ion Ratio Lower Upper  
 65 100  
 67 53.2 0.0 104.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN054528.D  
 Acq: 21 Mar 2019 23:30

Tgt Ion: 114 Resp: 825547  
 Ion Ratio Lower Upper  
 114 100  
 63 22.2 0.0 35.2  
 88 15.6 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.937 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

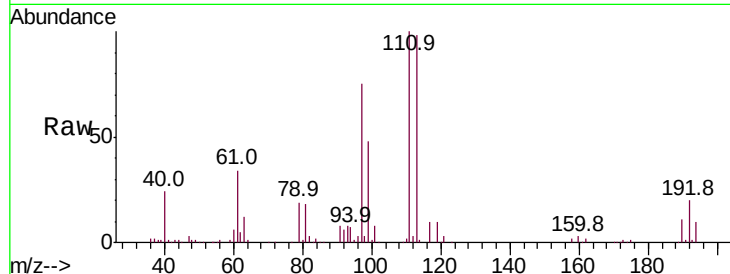
Tot Ion:113 Resp: 276233

Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.4

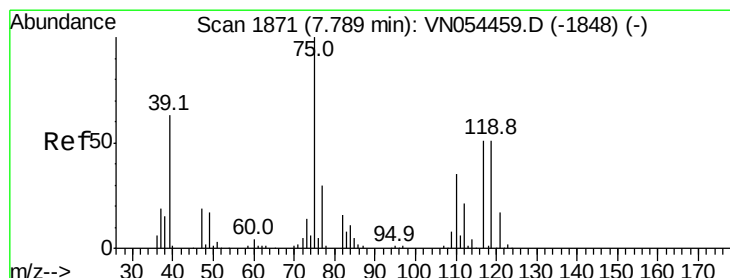
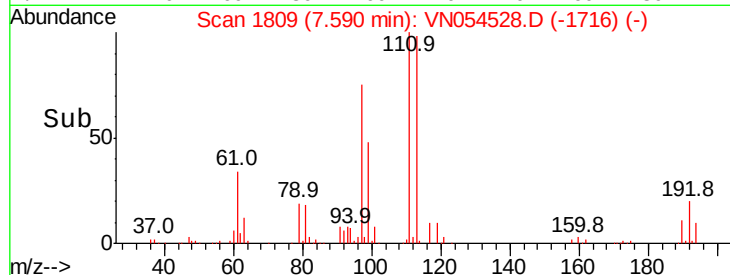
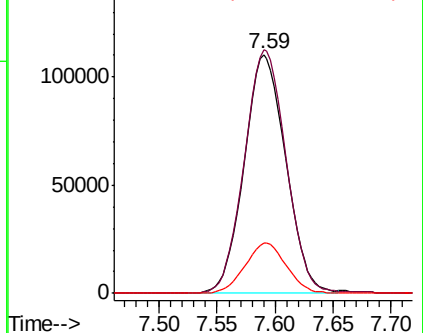
192 21.1 19.2 28.8



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: 49.862 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

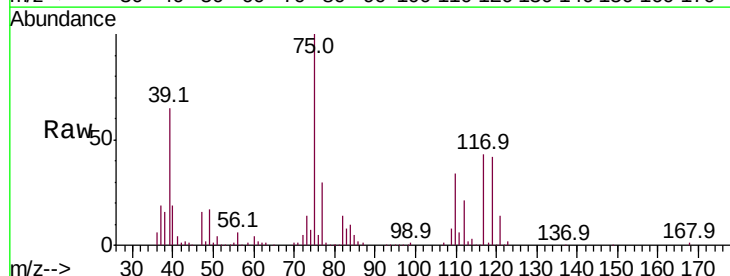
Tgt Ion: 75 Resp: 384879

Ion Ratio Lower Upper

75 100

110 34.8 19.1 57.5

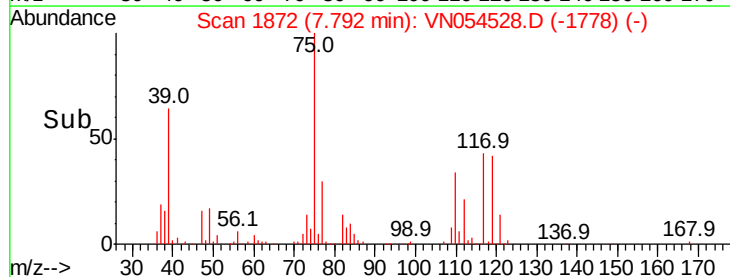
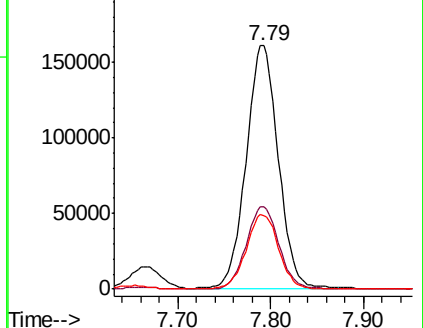
77 31.1 25.0 37.4

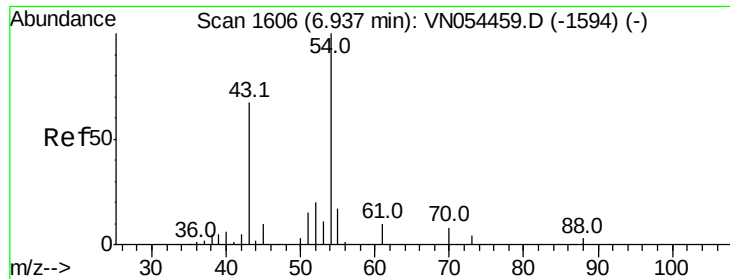


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

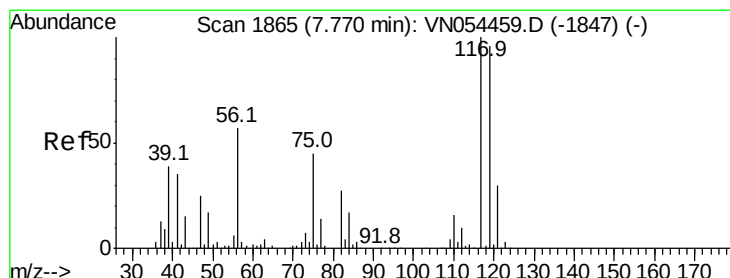
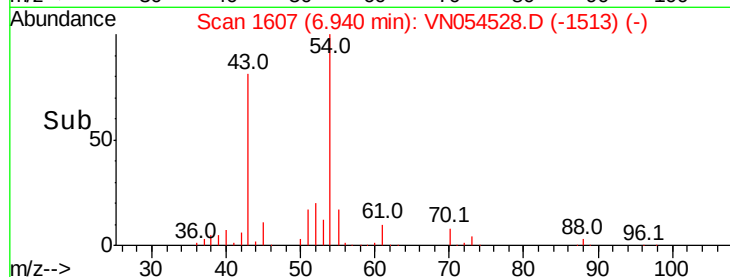
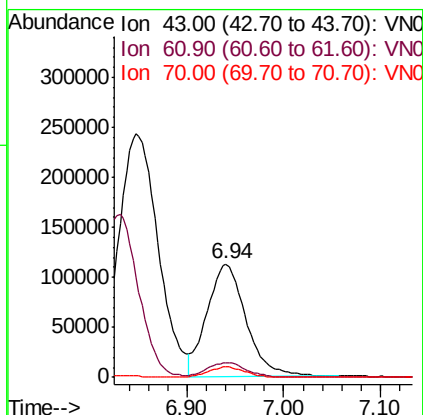
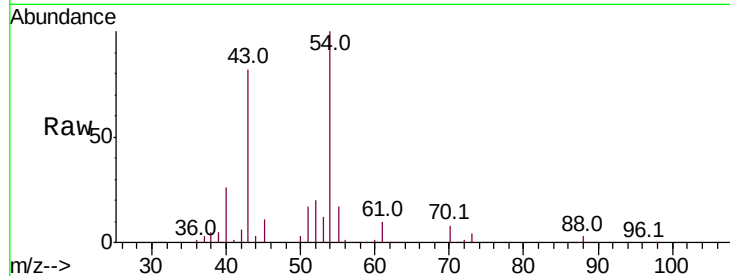




#37  
Ethyl Acetate  
Concen: 57.228 ug/l  
RT: 6.94 min Scan# 1607  
Delta R.T. 0.00 min  
Lab File: VN054528.D  
Acq: 21 Mar 2019 23:30

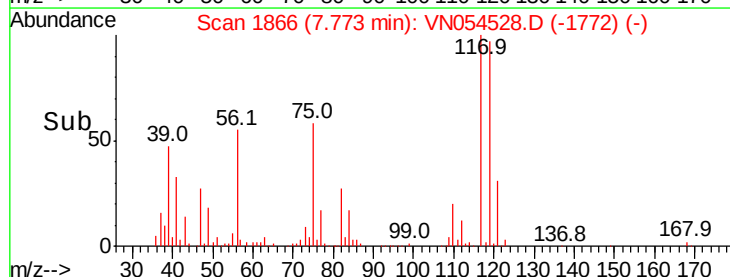
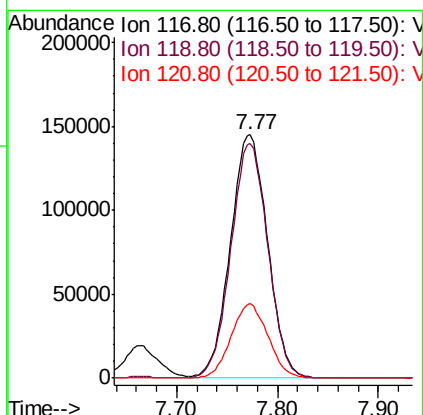
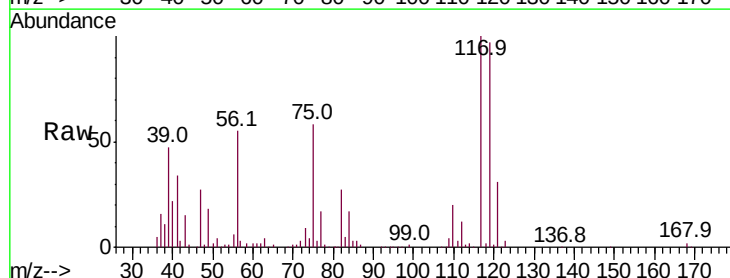
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

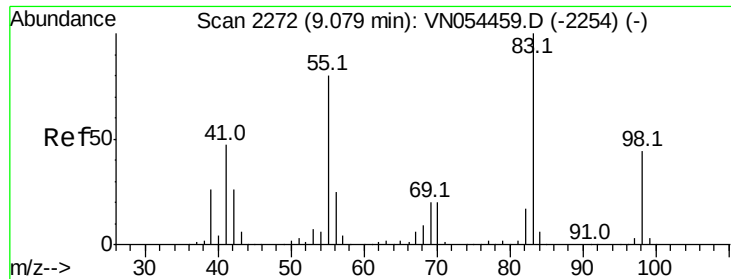
Tot Ion: 43 Resp: 314182  
Ion Ratio Lower Upper  
43 100  
61 12.7 11.8 17.6  
70 9.0 8.4 12.6



#38  
Carbon Tetrachloride  
Concen: 49.524 ug/l  
RT: 7.77 min Scan# 1866  
Delta R.T. 0.00 min  
Lab File: VN054528.D  
Acq: 21 Mar 2019 23:30

Tgt Ion: 117 Resp: 371486  
Ion Ratio Lower Upper  
117 100  
119 96.5 76.3 114.5  
121 30.5 24.6 36.8

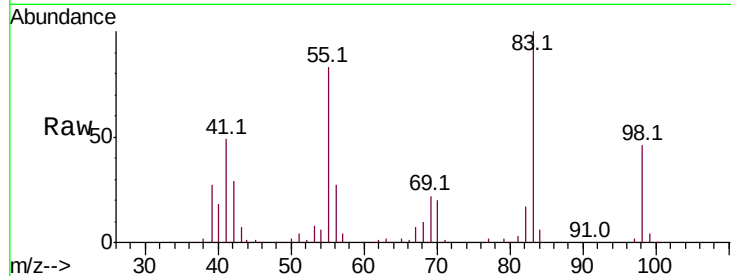




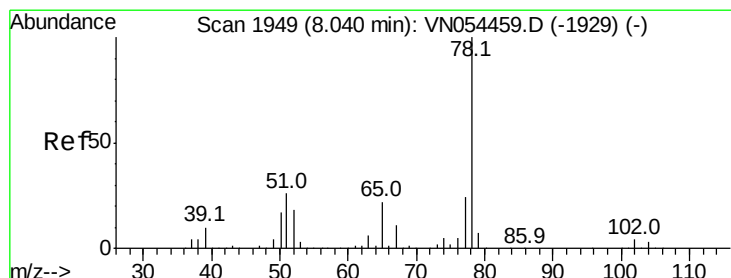
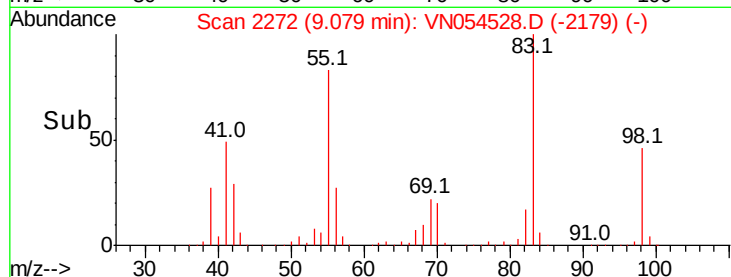
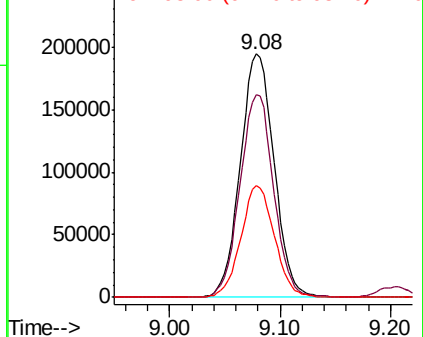
#39  
Methylvlcyclohexane  
Concen: 46.770 ug/l  
RT: 9.08 min Scan# 2272  
Delta R.T. -0.00 min  
Lab File: VN054528.D  
Acq: 21 Mar 2019 23:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 83 Resp: 412961  
Ion Ratio Lower Upper  
83 100  
55 83.1 56.6 84.8  
98 45.8 38.4 57.6

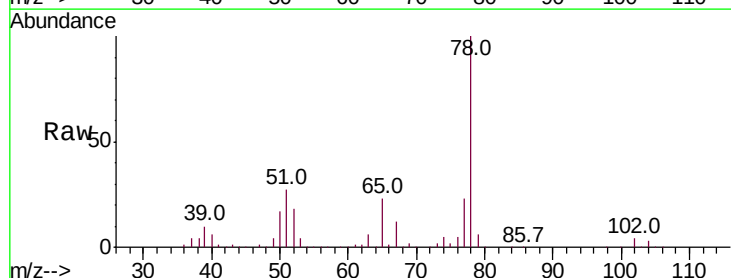


Abundance Ion 83.00 (82.70 to 83.70): VN0  
Ion 55.00 (54.70 to 55.70): VN0  
Ion 98.00 (97.70 to 98.70): VN0

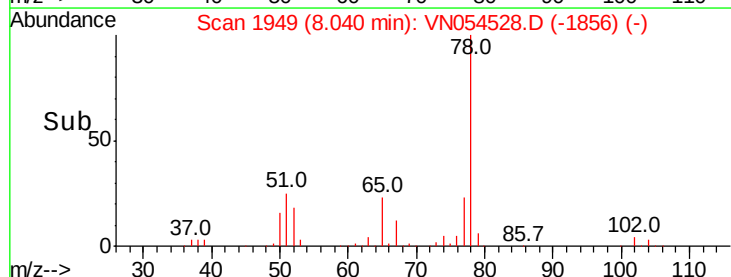
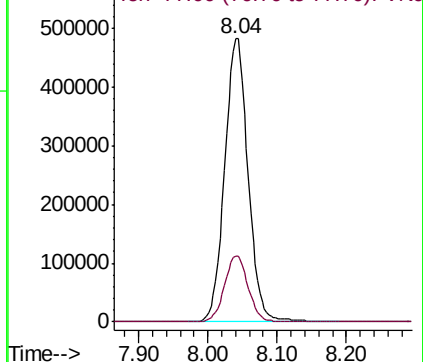


#40  
Benzene  
Concen: 51.506 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. -0.00 min  
Lab File: VN054528.D  
Acq: 21 Mar 2019 23:30

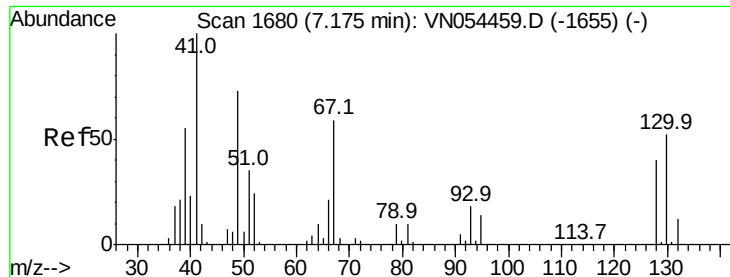
Tgt Ion: 78 Resp: 1136886  
Ion Ratio Lower Upper  
78 100  
77 23.5 19.1 28.7



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







#41

Methacrylonitrile

Concen: 55.816 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 186875

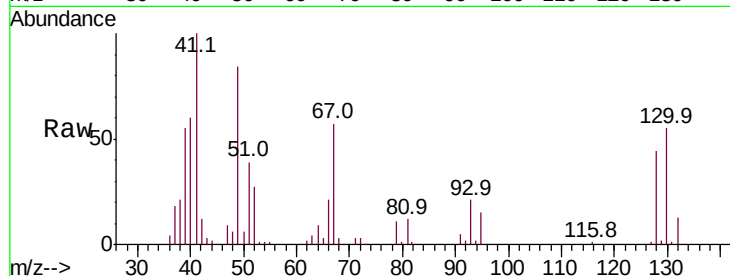
Ion Ratio Lower Upper

41 100

39 57.5 46.8 70.2

67 65.3 67.0 100.4#

52 29.0 26.5 39.7



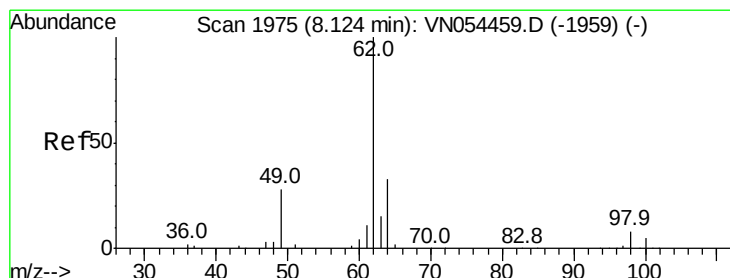
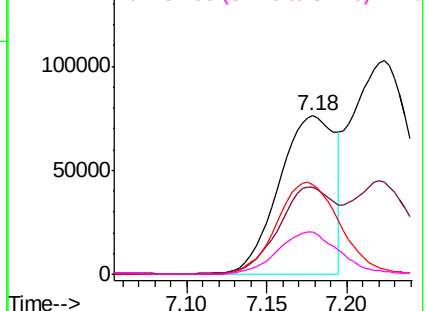
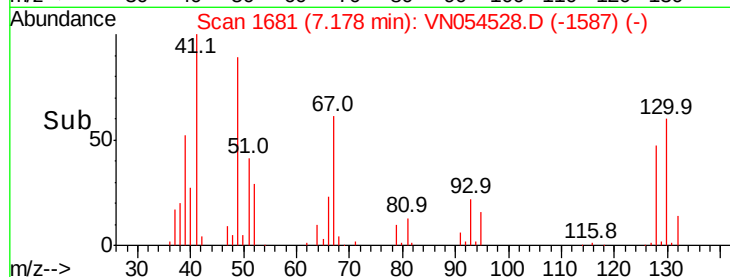
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 51.452 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN054528.D

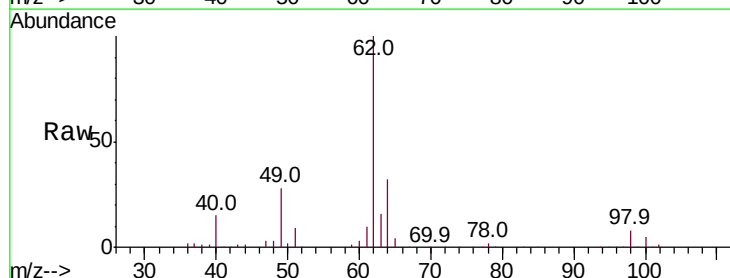
Acq: 21 Mar 2019 23:30

Tgt Ion: 62 Resp: 413592

Ion Ratio Lower Upper

62 100

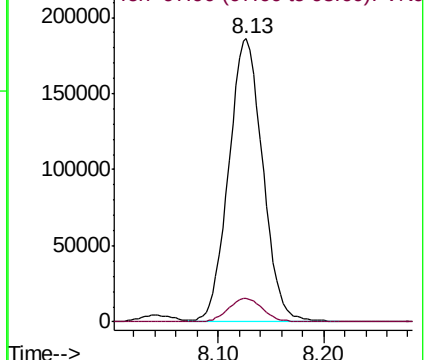
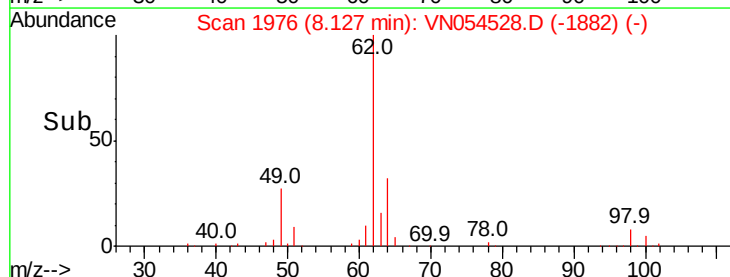
98 8.5 0.0 18.4

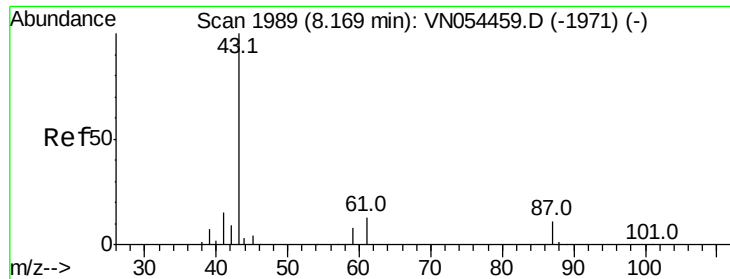


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 56.782 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

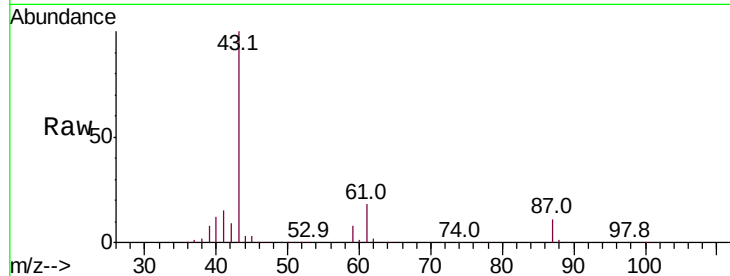
Tot Ion: 43 Resp: 526464

Ion Ratio Lower Upper

43 100

61 17.3 15.8 23.8

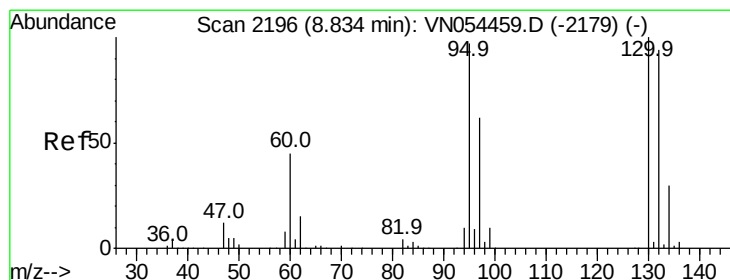
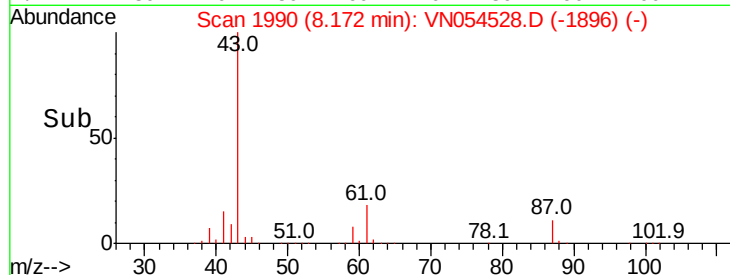
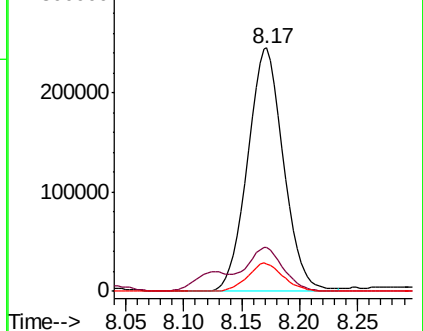
87 11.5 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054459.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054459.D (-1971) (-)



#44

Trichloroethene

Concen: 49.429 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054528.D

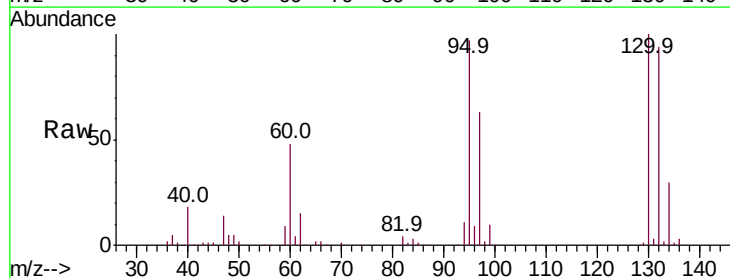
Acq: 21 Mar 2019 23:30

Tgt Ion:130 Resp: 303326

Ion Ratio Lower Upper

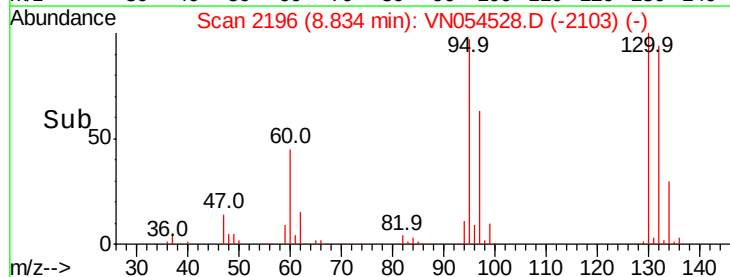
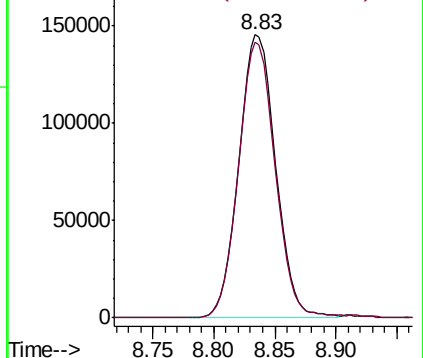
130 100

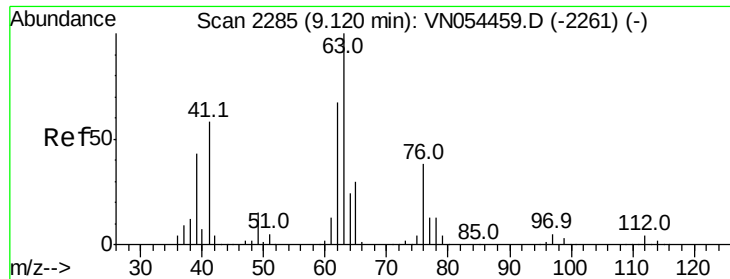
95 97.4 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN054459.D (-2179) (-)

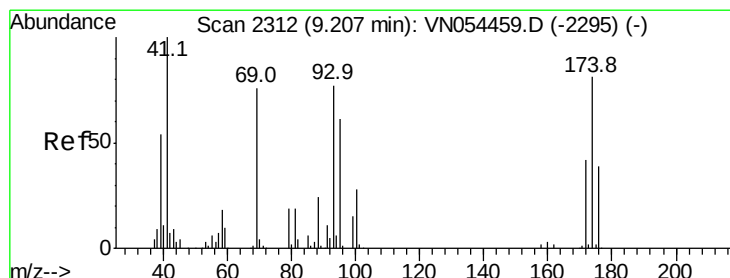
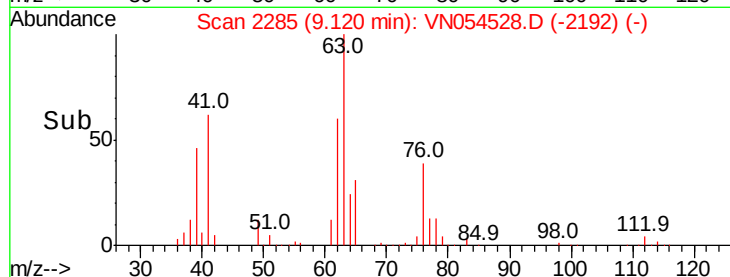
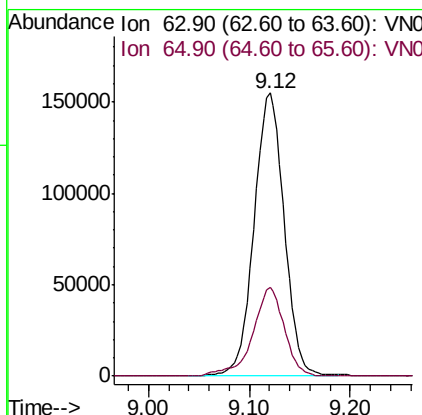
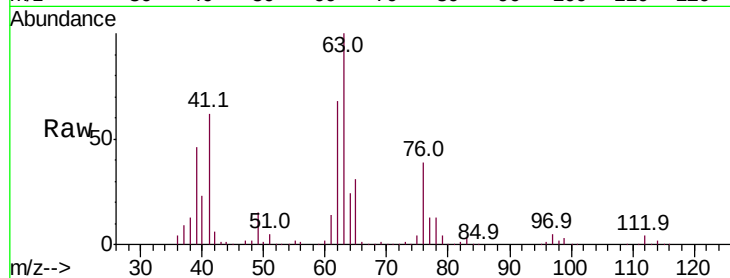




#45  
 1,2-Dichloropropane  
 Concen: 54.069 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. -0.00 min  
 Lab File: VN054528.D  
 Acq: 21 Mar 2019 23:30

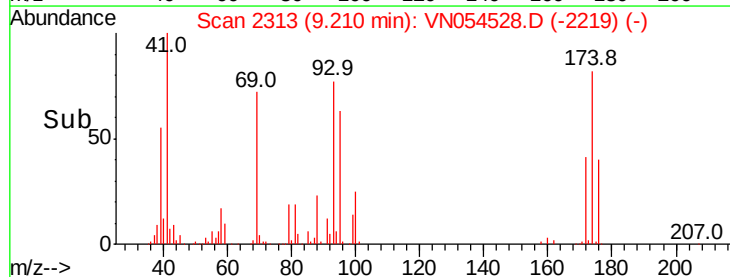
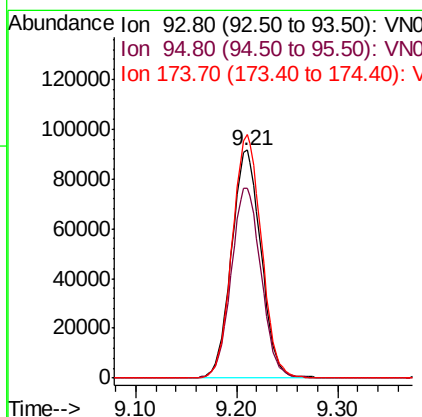
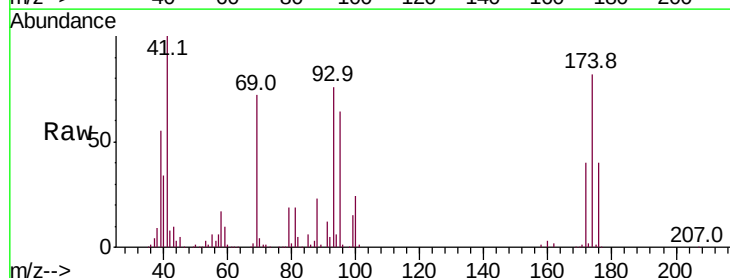
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

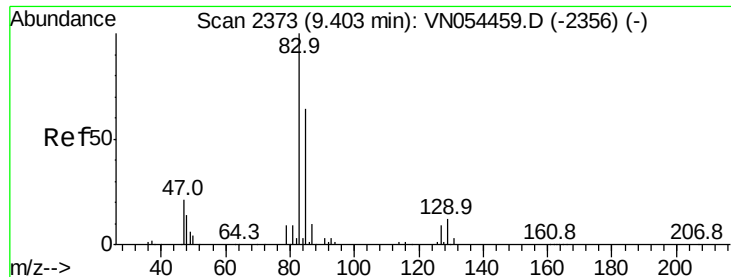
Tot Ion: 63 Resp: 320466  
 Ion Ratio Lower Upper  
 63 100  
 65 31.4 25.0 37.6



#46  
 Dibromomethane  
 Concen: 52.704 ug/l  
 RT: 9.21 min Scan# 2313  
 Delta R.T. 0.00 min  
 Lab File: VN054528.D  
 Acq: 21 Mar 2019 23:30

Tgt Ion: 93 Resp: 186355  
 Ion Ratio Lower Upper  
 93 100  
 95 84.2 66.7 100.1  
 174 105.8 98.5 147.7





#47

Bromodichloromethane

Concen: 53.262 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

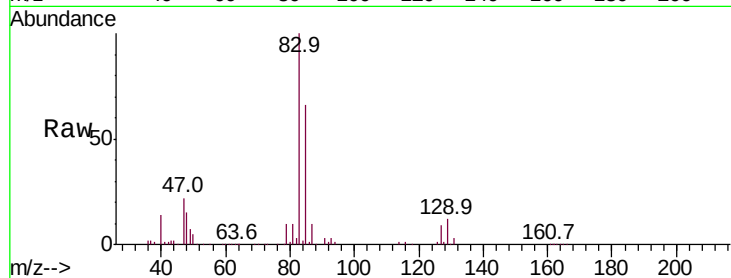
Tot Ion: 83 Resp: 390846

Ion Ratio Lower Upper

83 100

85 65.9 52.8 79.2

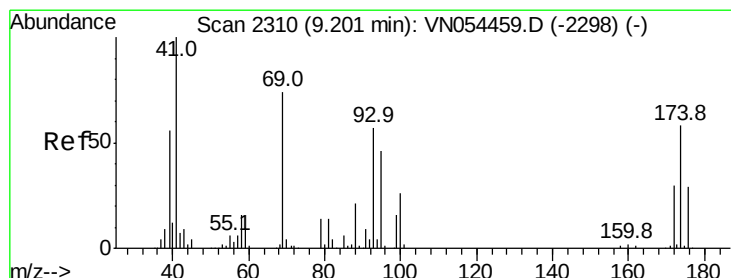
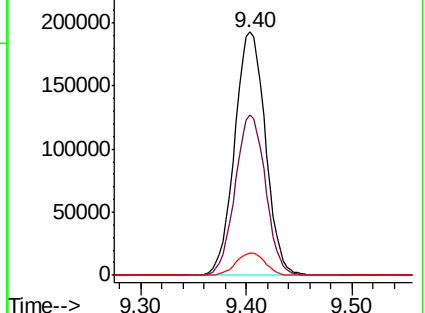
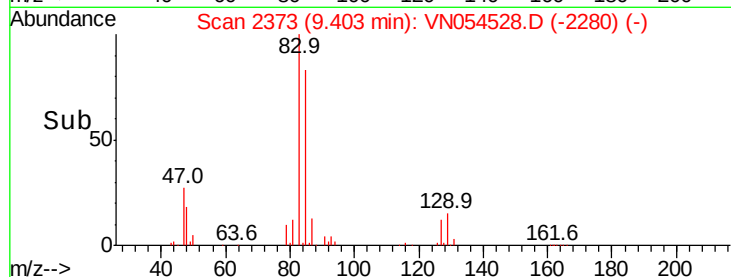
127 9.2 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054459.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN054459.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN054459.D (-2356) (-)



#48

Methyl methacrylate

Concen: 54.821 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

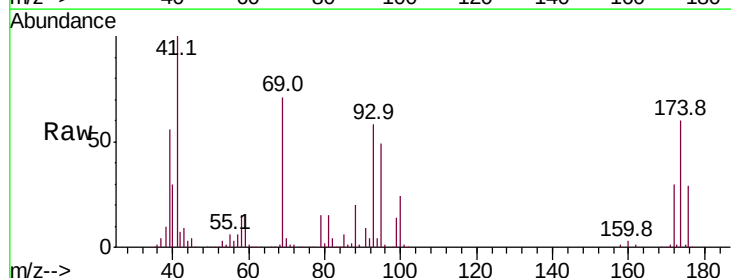
Tgt Ion: 41 Resp: 275880

Ion Ratio Lower Upper

41 100

69 73.7 72.6 108.8

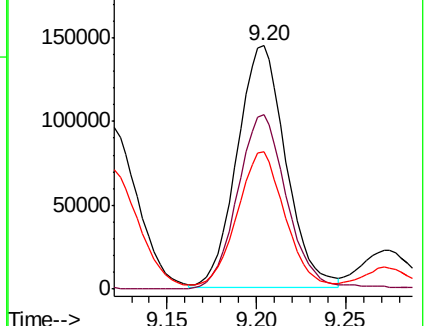
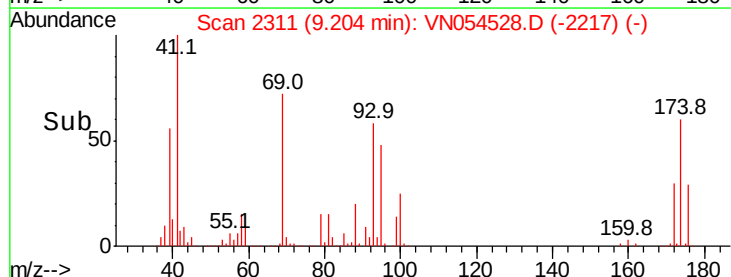
39 55.6 47.5 71.3

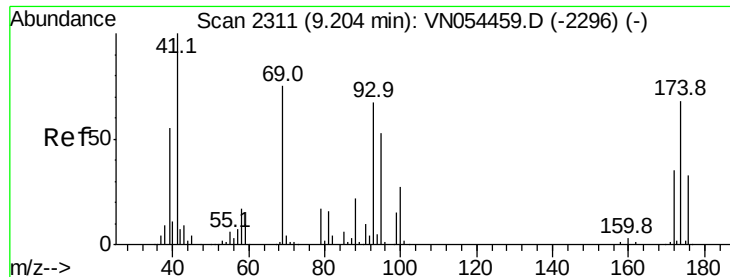


Abundance Ion 41.00 (40.70 to 41.70): VN054459.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN054459.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN054459.D (-2298) (-)





#49

1,4-Dioxane

Concen: 1076.698 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

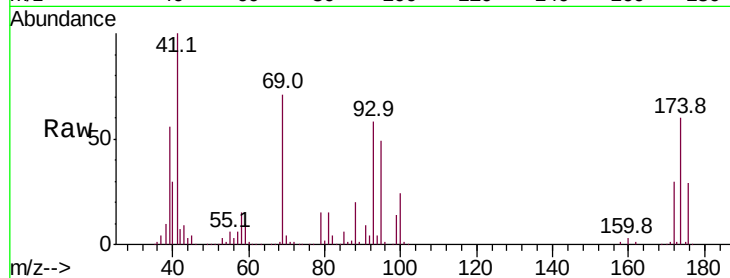
Tot Ion: 88 Resp: 60574

Ion Ratio Lower Upper

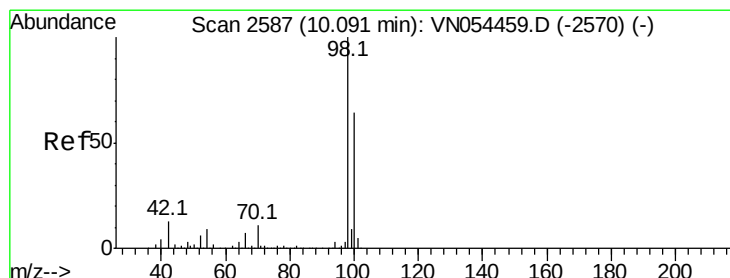
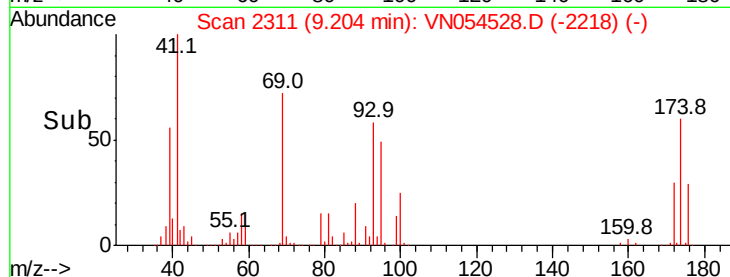
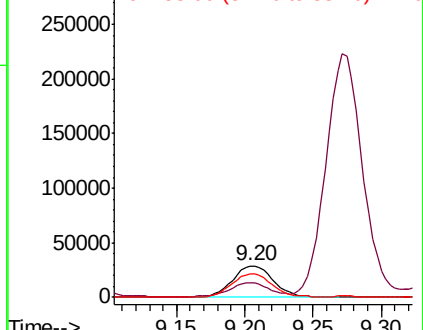
88 100

43 41.6 24.1 36.1#

58 75.6 50.8 76.2



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



#50

Toluene-d8

Concen: 50.599 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054528.D

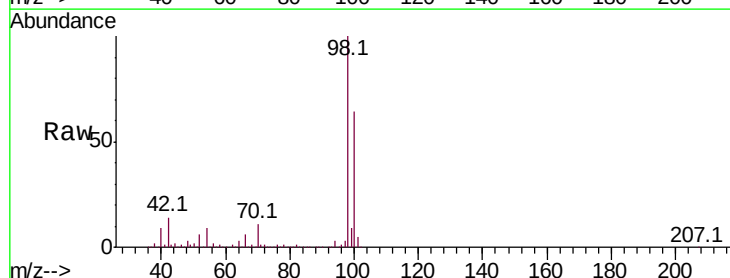
Acq: 21 Mar 2019 23:30

Tgt Ion: 98 Resp: 1011713

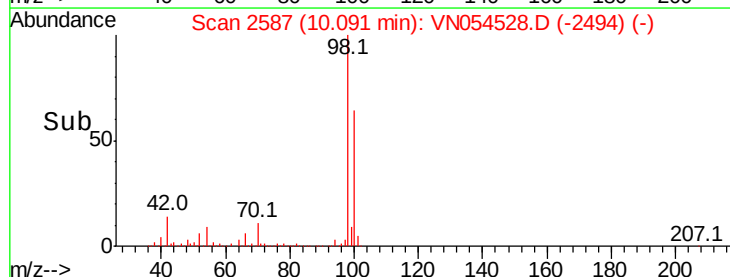
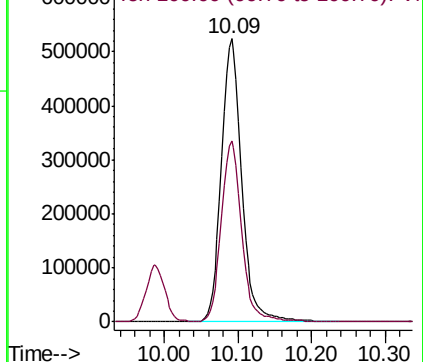
Ion Ratio Lower Upper

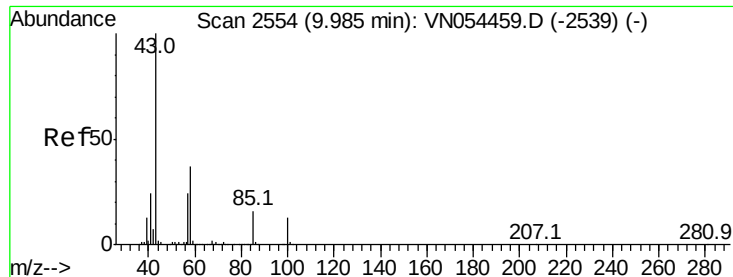
98 100

100 63.8 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 290.955 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

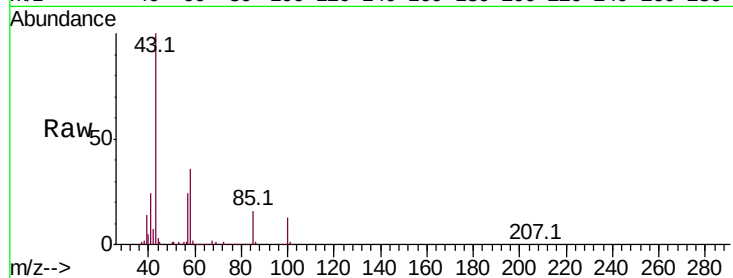
VSTDCCC050

Tot Ion: 43 Resp: 1495060

Ion Ratio Lower Upper

43 100

58 36.1 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

800000

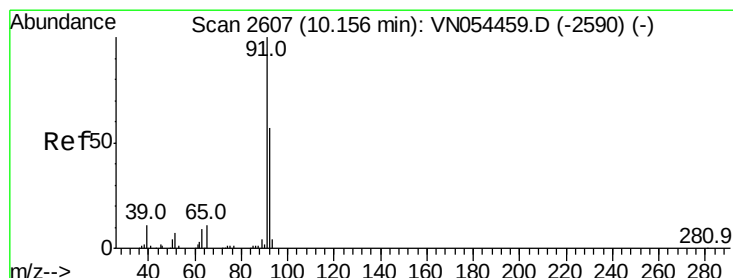
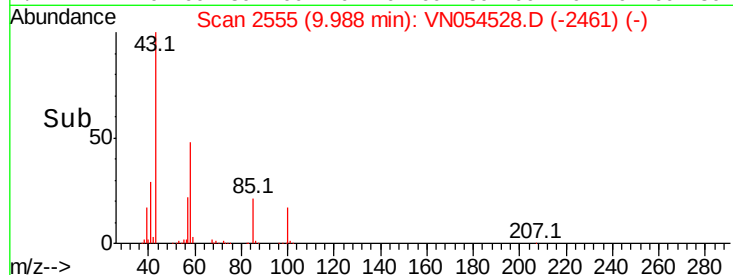
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 49.823 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054528.D

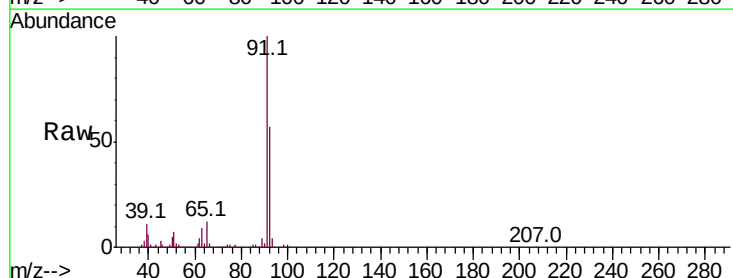
Acq: 21 Mar 2019 23:30

Tgt Ion: 92 Resp: 676388

Ion Ratio Lower Upper

92 100

91 176.0 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

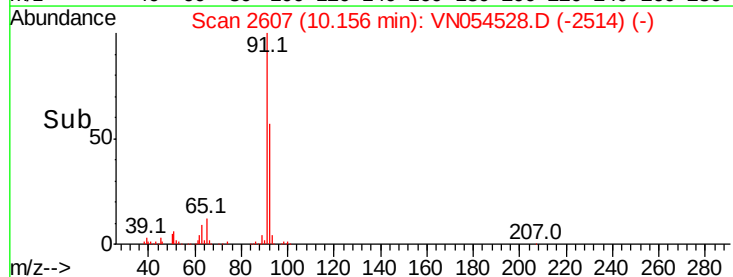
600000

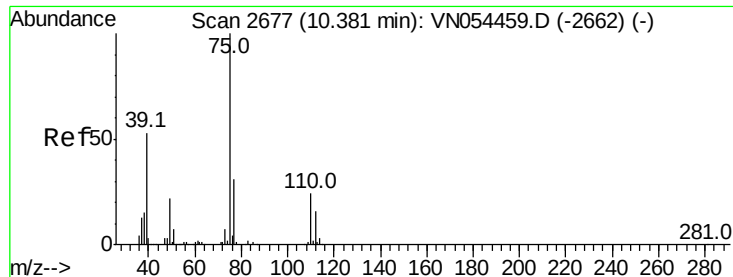
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 47.813 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

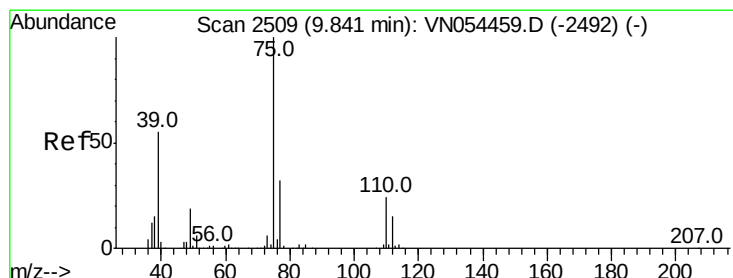
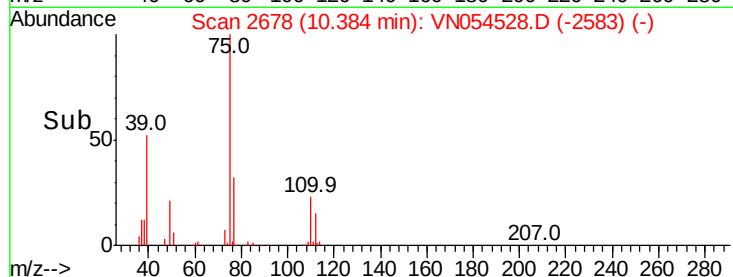
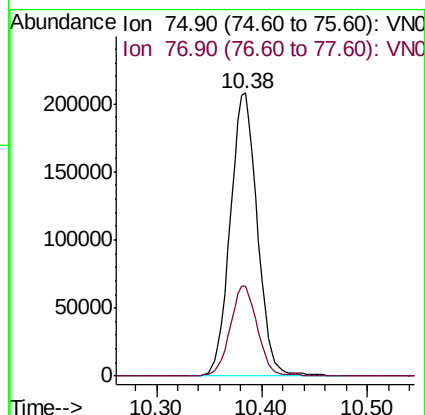
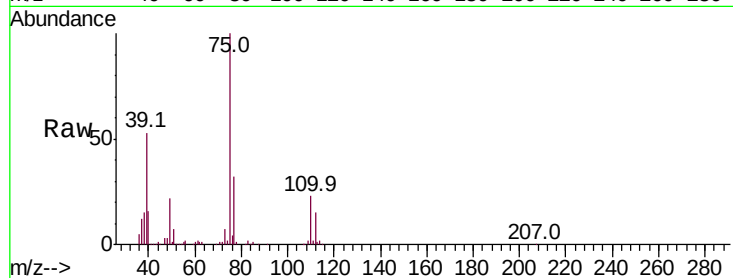
VSTDCCC050

Tot Ion: 75 Resp: 369328

Ion Ratio Lower Upper

75 100

77 31.4 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 53.107 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

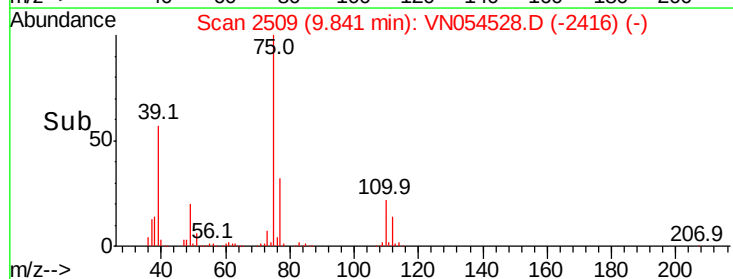
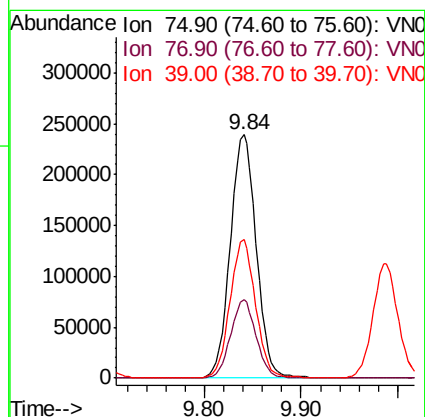
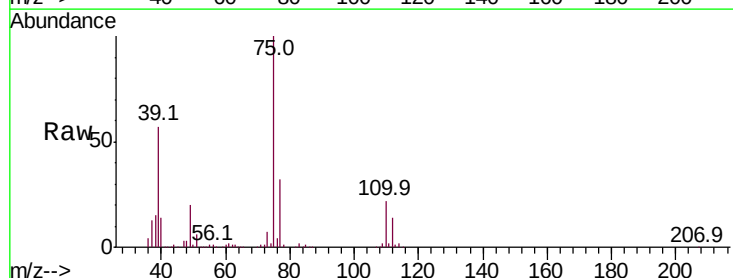
Tgt Ion: 75 Resp: 446844

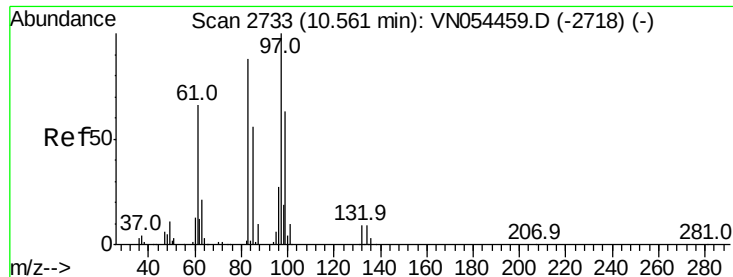
Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.0

39 56.6 37.2 55.8#





#55

1,1,2-Trichloroethane

Concen: 52.524 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

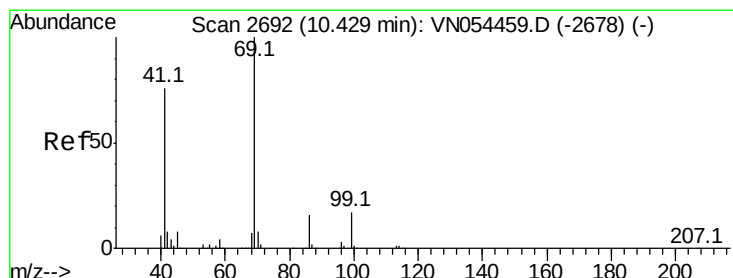
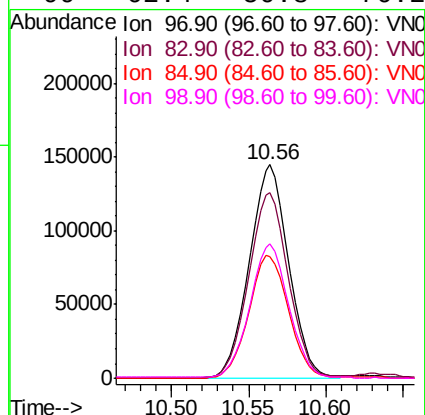
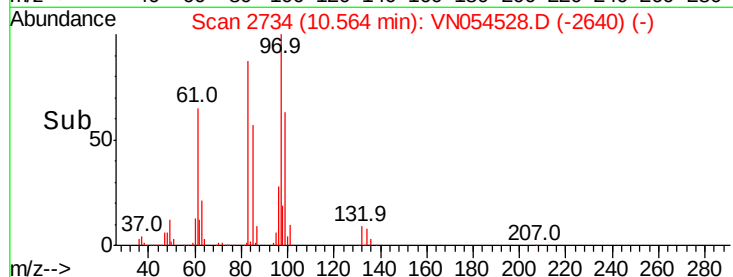
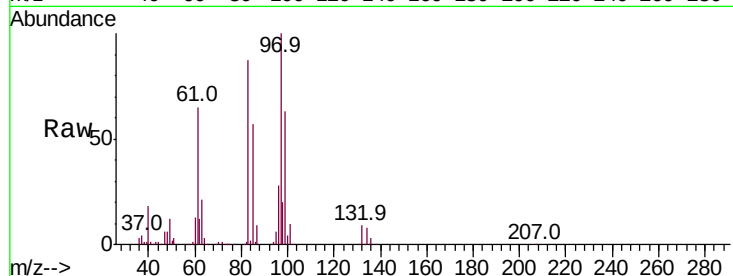
MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 256314

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 86.8  | 66.6  | 100.0 |
| 85  | 57.2  | 44.4  | 66.6  |
| 99  | 62.4  | 50.8  | 76.2  |



#56

Ethyl methacrylate

Concen: 55.165 ug/l

RT: 10.43 min Scan# 2692

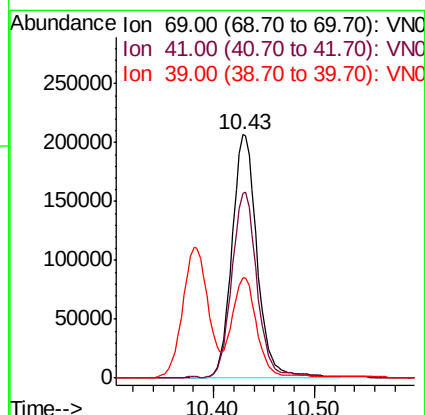
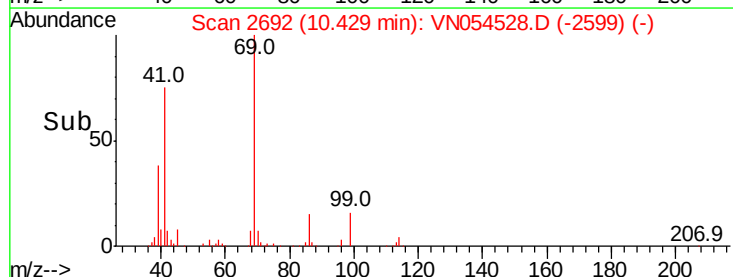
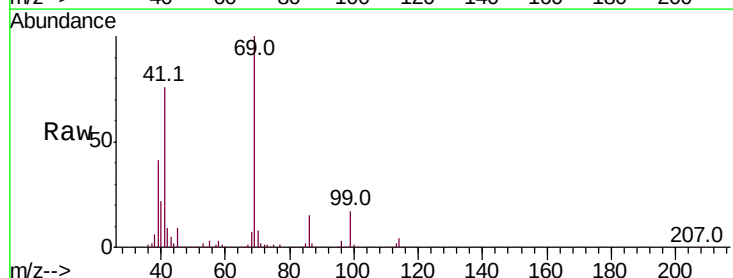
Delta R.T. -0.00 min

Lab File: VN054528.D

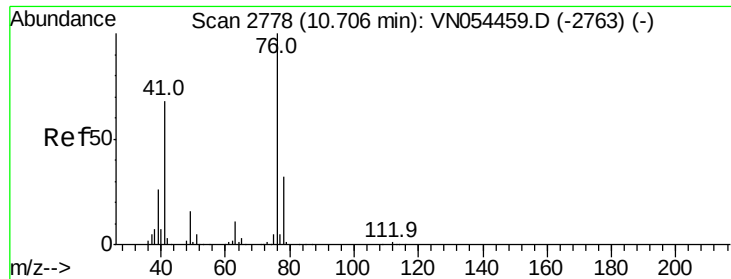
Acq: 21 Mar 2019 23:30

Tgt Ion: 69 Resp: 361327

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 75.9  | 49.4  | 74.2# |
| 39  | 40.6  | 28.3  | 42.5  |







#57

1,3-Dichloropropane

Concen: 53.176 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

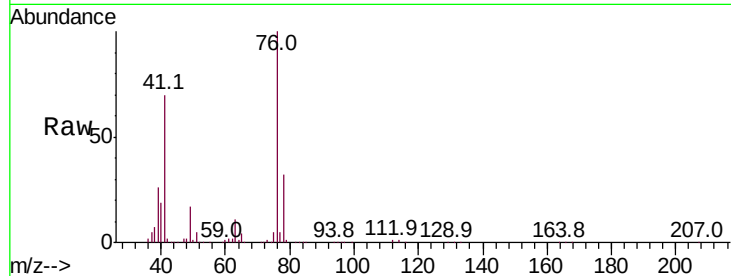
VSTDCCC050

Tot Ion: 76 Resp: 451092

Ion Ratio Lower Upper

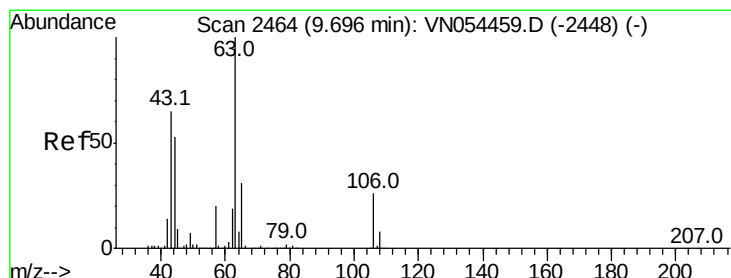
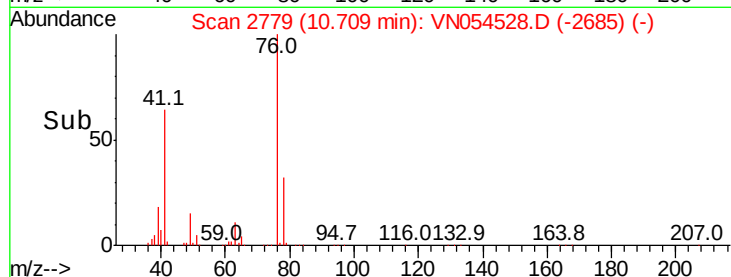
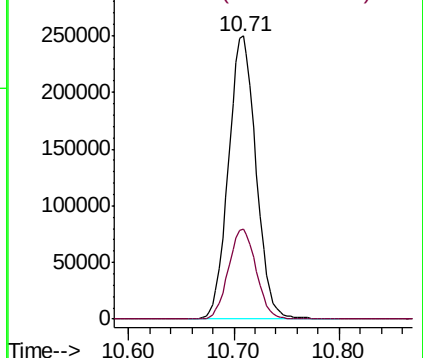
76 100

78 32.1 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 263.842 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054528.D

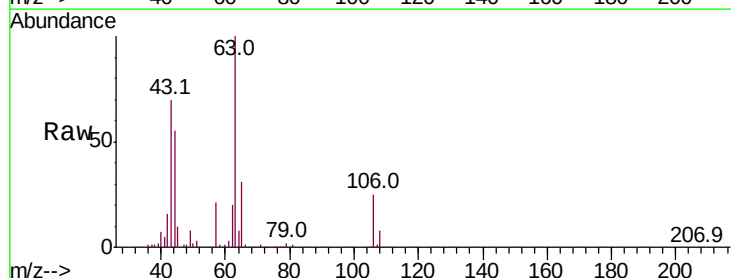
Acq: 21 Mar 2019 23:30

Tgt Ion: 63 Resp: 711610

Ion Ratio Lower Upper

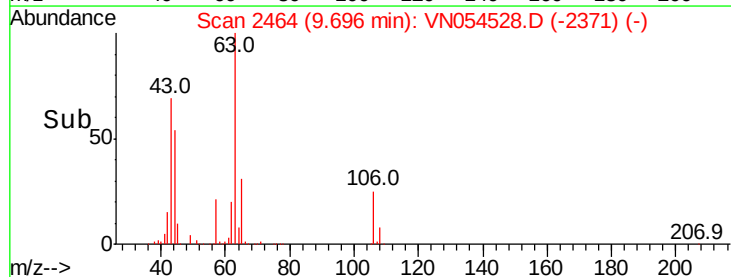
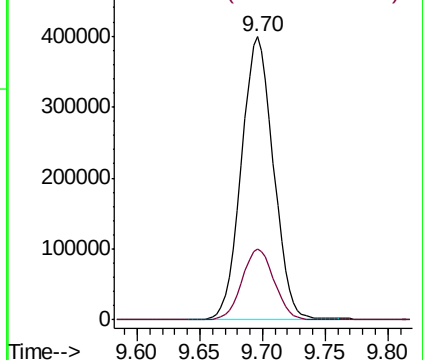
63 100

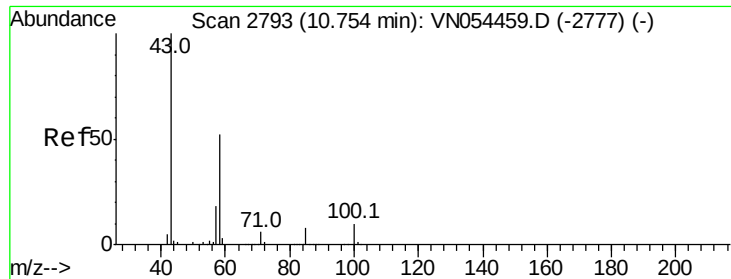
106 25.0 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

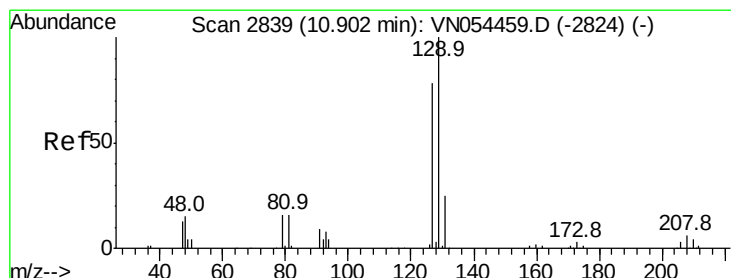
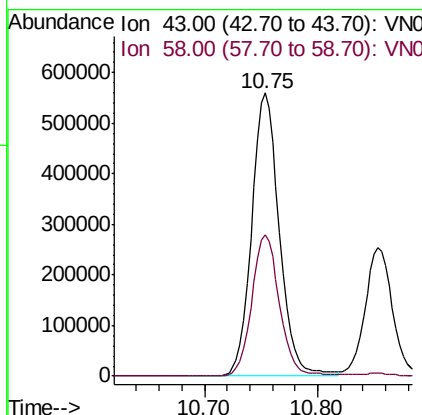
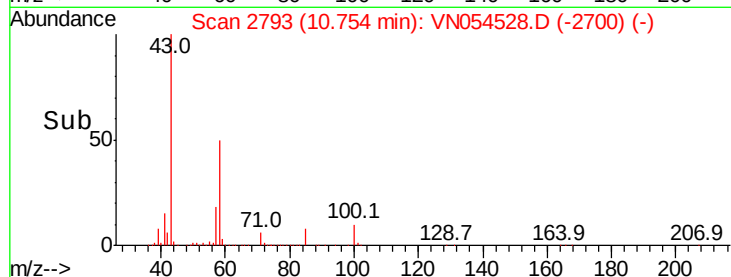
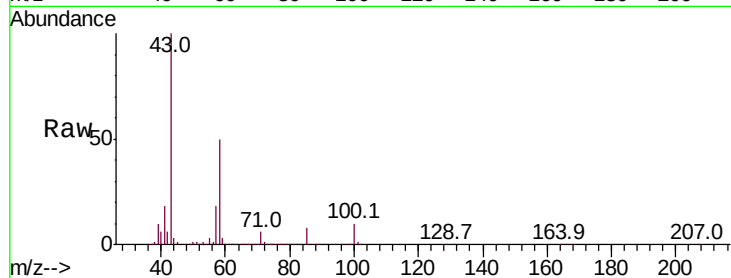




#59  
2-Hexanone  
Concen: 282.547 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. -0.00 min  
Lab File: VN054528.D  
Acq: 21 Mar 2019 23:30

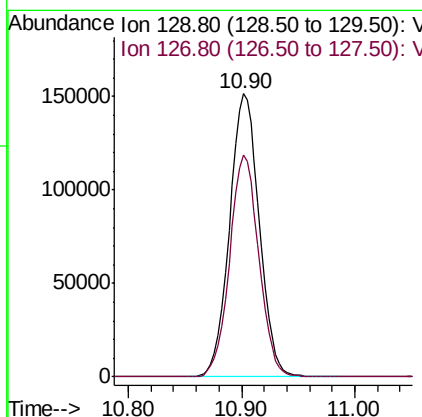
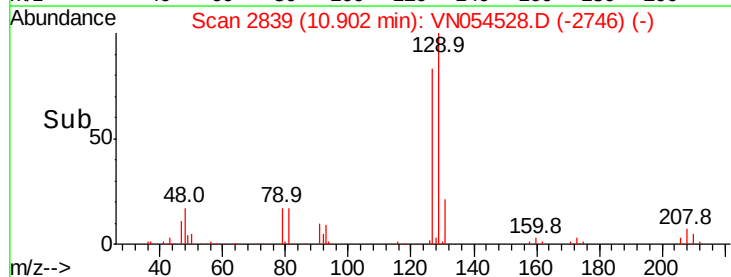
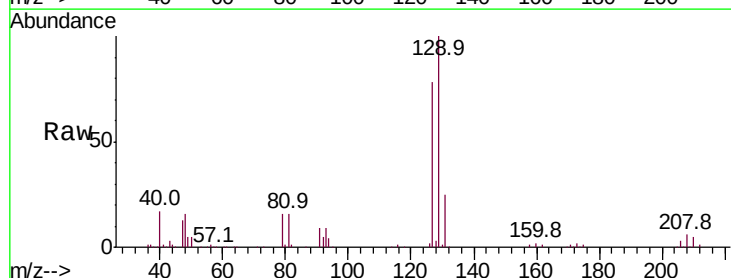
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

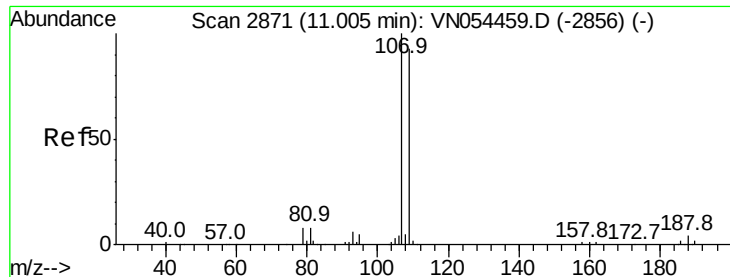
Tot Ion: 43 Resp: 948335  
Ion Ratio Lower Upper  
43 100  
58 50.3 28.0 83.9



#60  
Dibromochloromethane  
Concen: 53.235 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. -0.00 min  
Lab File: VN054528.D  
Acq: 21 Mar 2019 23:30

Tgt Ion: 129 Resp: 276438  
Ion Ratio Lower Upper  
129 100  
127 77.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 52.670 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

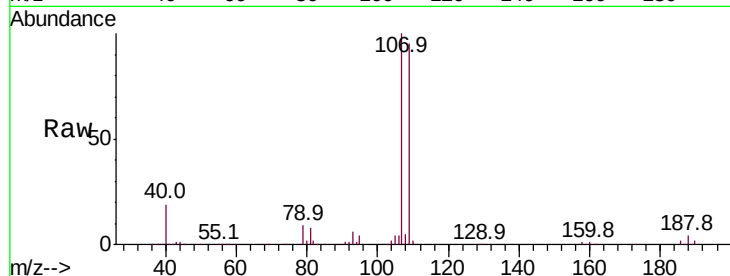
VSTDCCC050

Tot Ion: 107 Resp: 254104

Ion Ratio Lower Upper

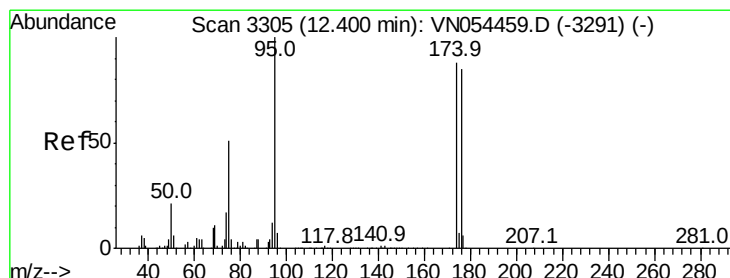
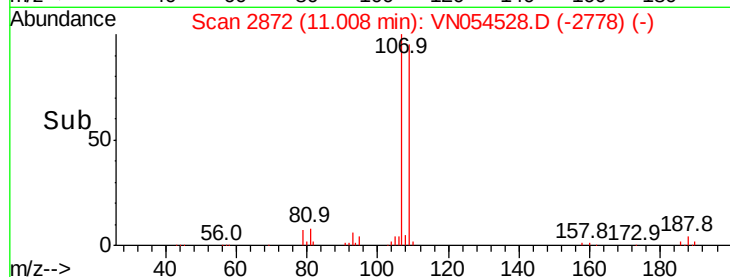
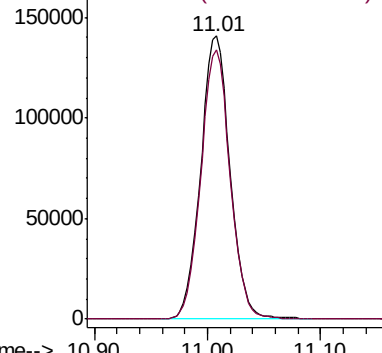
107 100

109 95.1 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.853 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

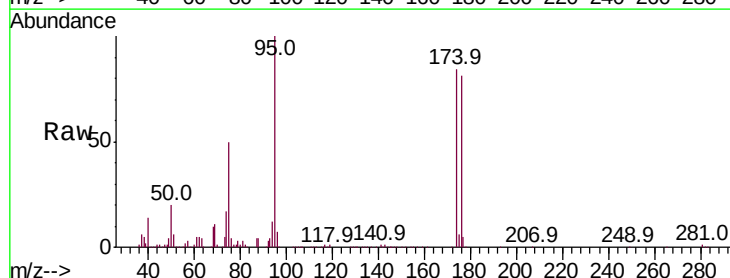
Tgt Ion: 95 Resp: 339194

Ion Ratio Lower Upper

95 100

174 85.1 0.0 191.0

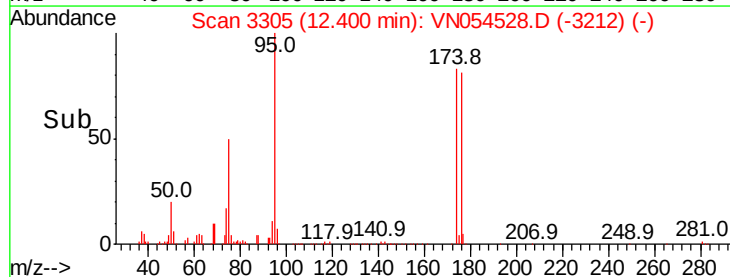
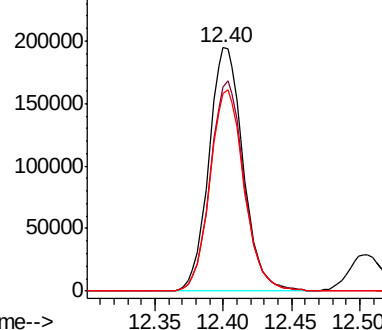
176 82.4 0.0 187.4

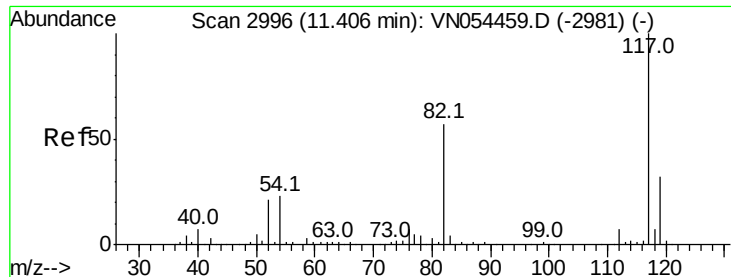


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

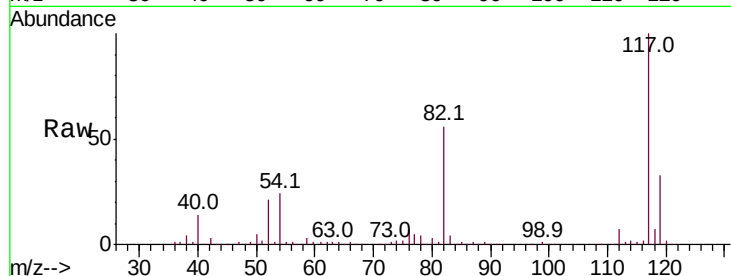
Tot Ion:117 Resp: 703706

Ion Ratio Lower Upper

117 100

82 56.0 40.0 60.0

119 32.6 25.8 38.6

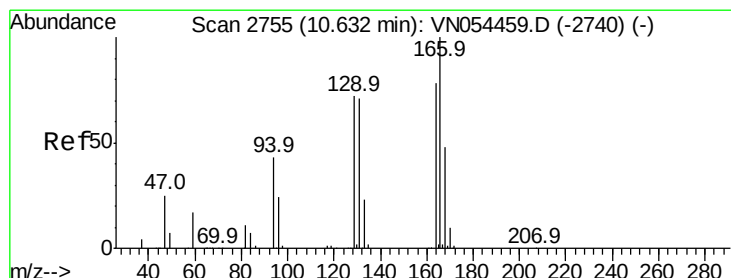
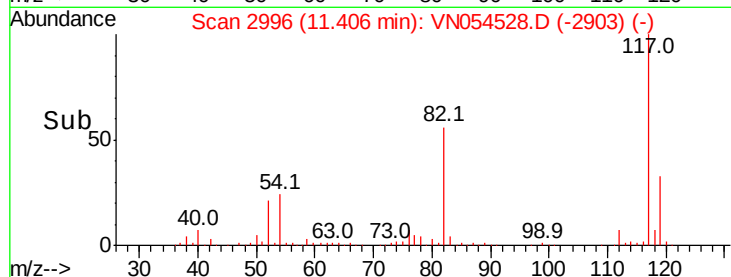
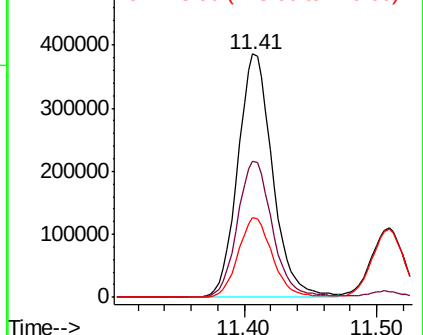


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 48.674 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Tgt Ion:164 Resp: 284106

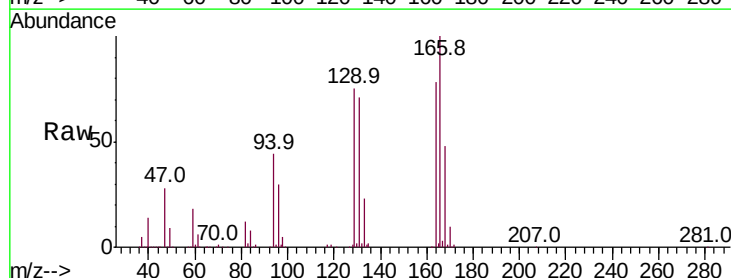
Ion Ratio Lower Upper

164 100

166 127.7 103.9 155.9

129 95.3 71.1 106.7

131 91.1 68.2 102.4



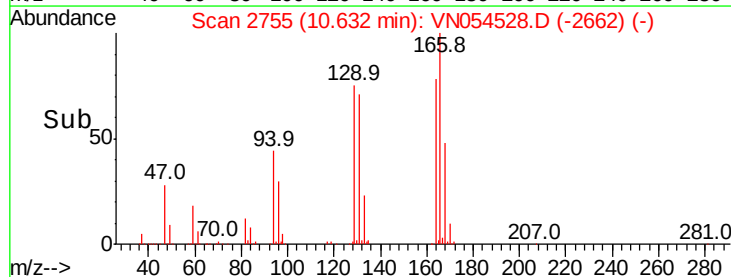
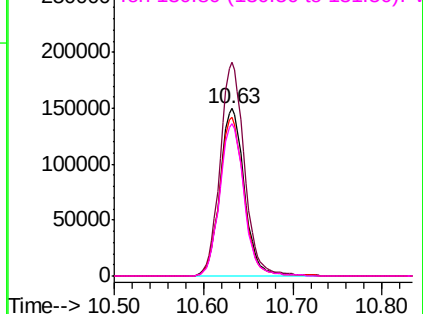
Abundance

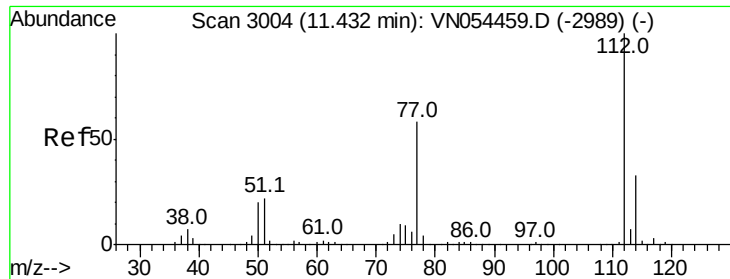
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

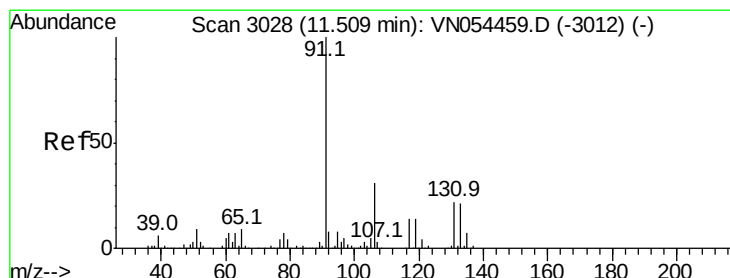
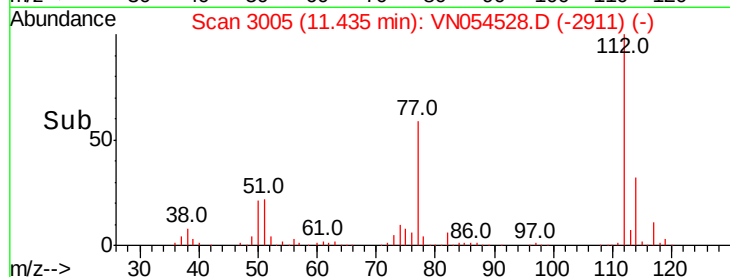
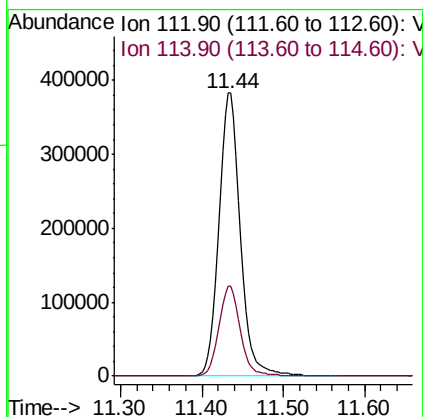
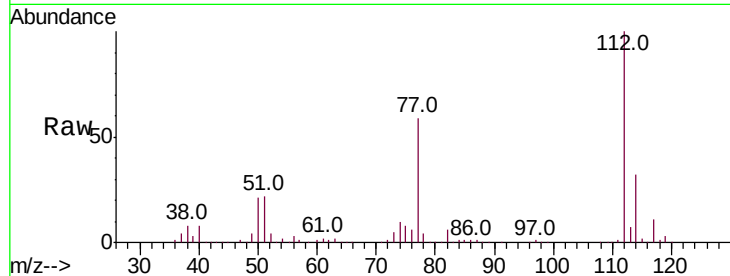




#65  
Chlorobenzene  
Concen: 49.805 ug/l  
RT: 11.44 min Scan# 3005  
Delta R.T. 0.00 min  
Lab File: VN054528.D  
Acq: 21 Mar 2019 23:30

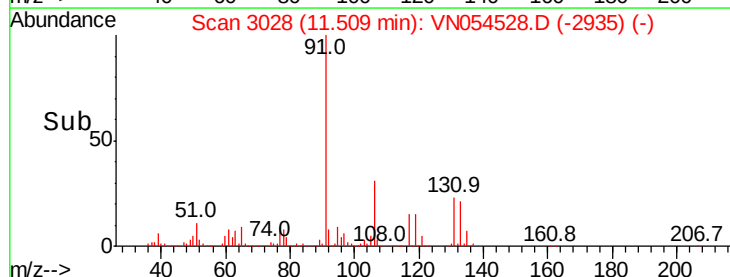
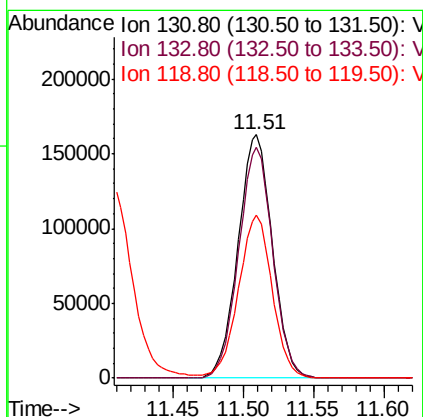
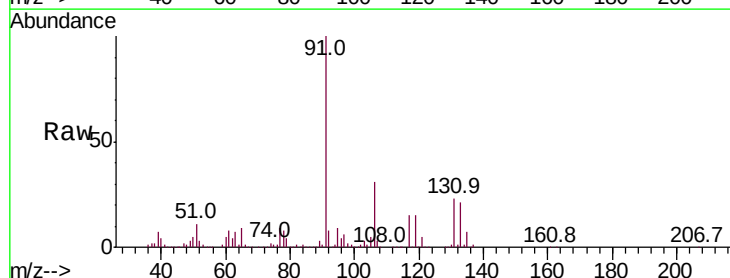
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

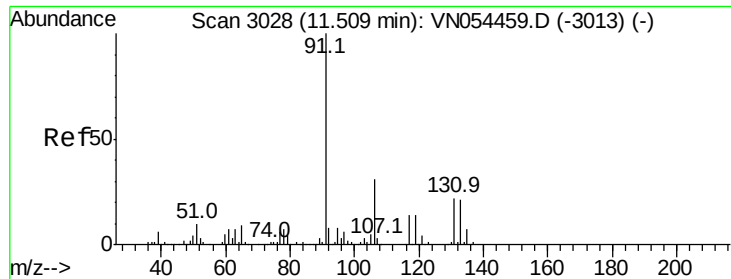
Tot Ion:112 Resp: 712842  
Ion Ratio Lower Upper  
112 100  
114 31.7 25.9 38.9



#66  
1,1,1,2-Tetrachloroethane  
Concen: 53.896 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN054528.D  
Acq: 21 Mar 2019 23:30

Tgt Ion:131 Resp: 276875  
Ion Ratio Lower Upper  
131 100  
133 94.5 47.6 142.9  
119 65.9 32.4 97.0

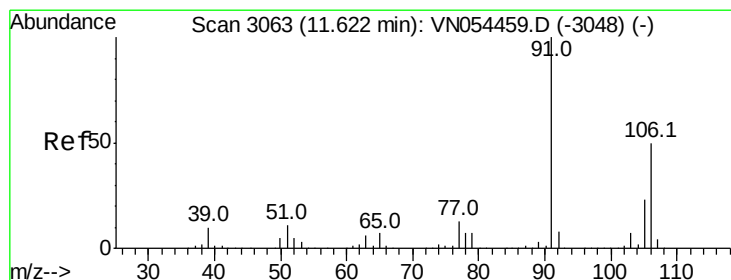
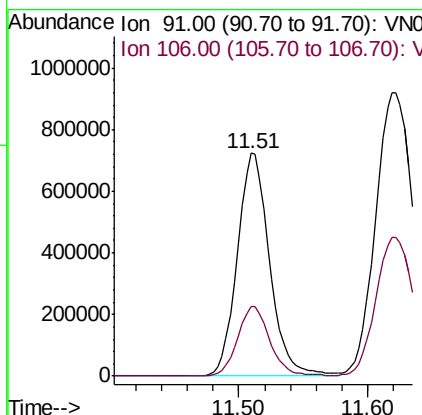
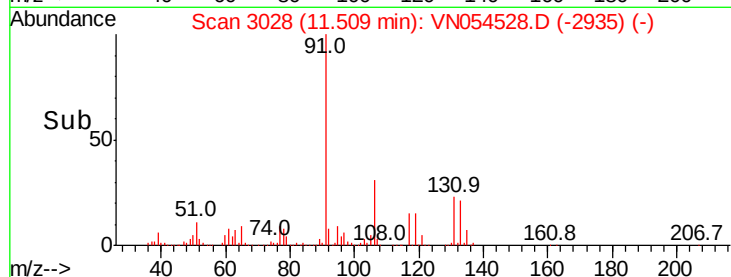
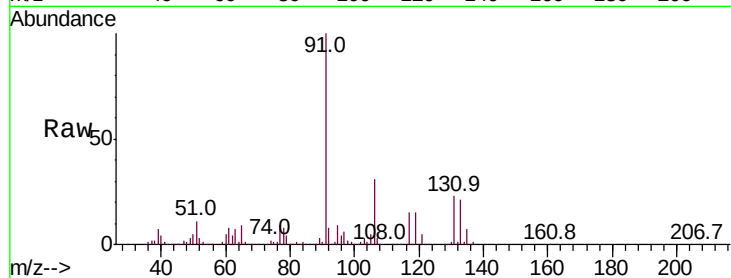




#67  
Ethyl Benzene  
Concen: 49.927 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN054528.D  
Acq: 21 Mar 2019 23:30

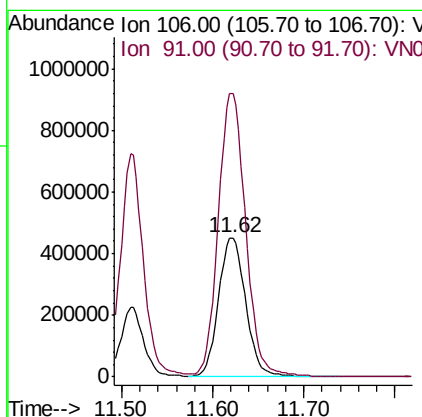
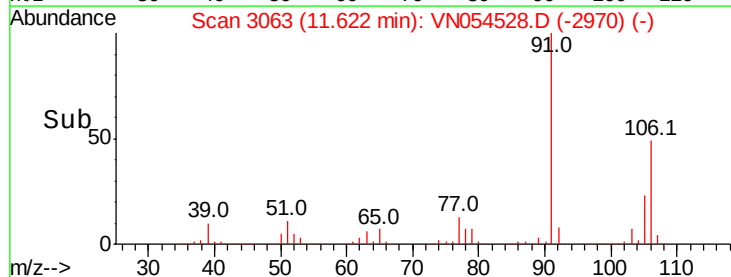
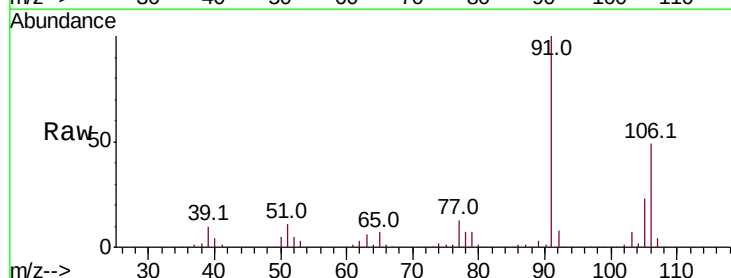
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

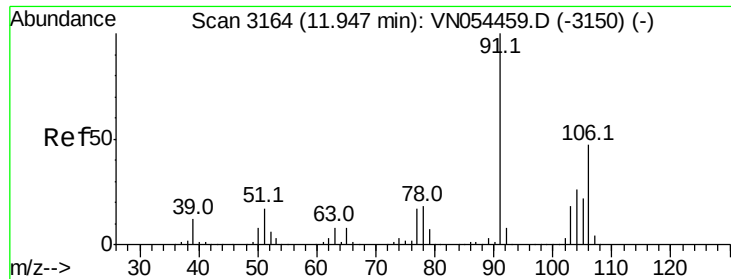
Tot Ion: 91 Resp: 1262276  
Ion Ratio Lower Upper  
91 100  
106 31.0 25.5 38.3



#68  
m/p-Xylenes  
Concen: 98.339 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. -0.00 min  
Lab File: VN054528.D  
Acq: 21 Mar 2019 23:30

Tgt Ion: 106 Resp: 941720  
Ion Ratio Lower Upper  
106 100  
91 204.6 159.4 239.2

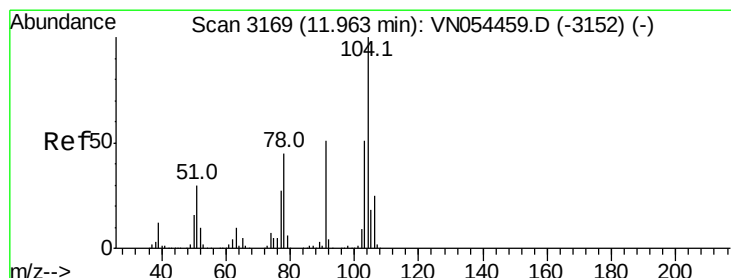
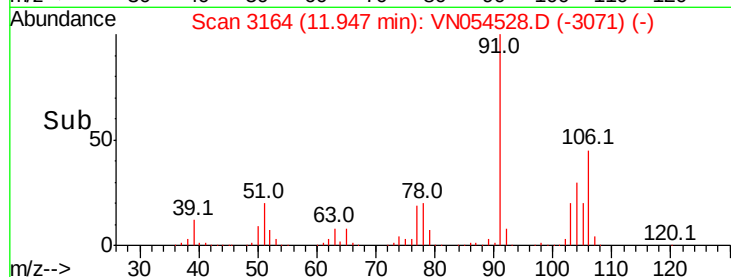
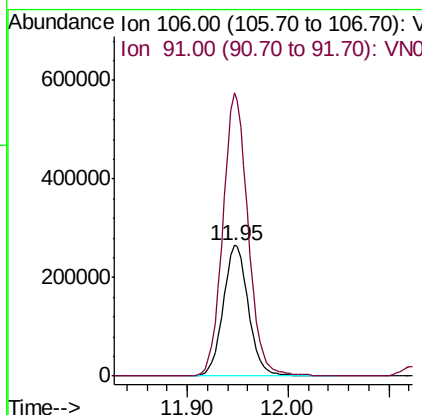
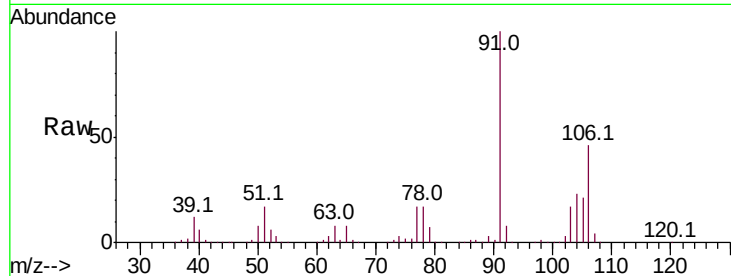




#69  
o-Xylene  
Concen: 49.714 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN054528.D  
Acq: 21 Mar 2019 23:30

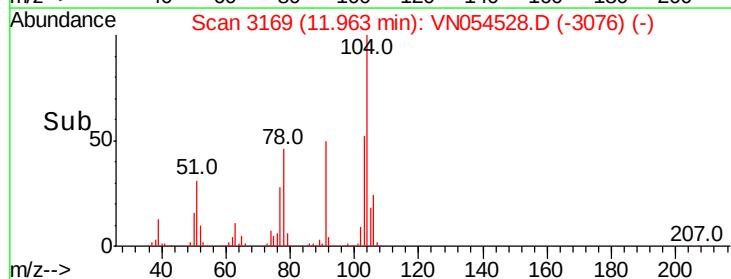
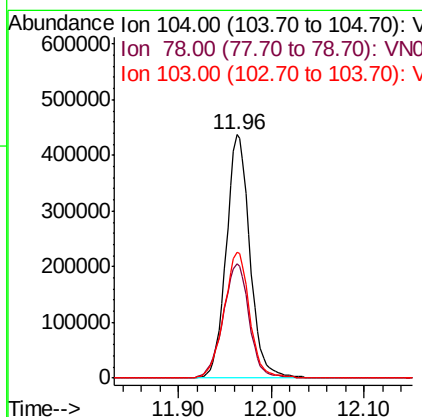
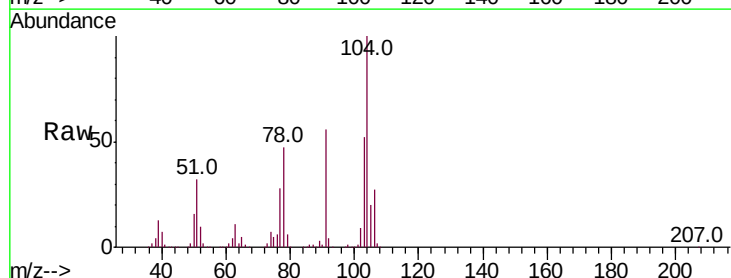
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

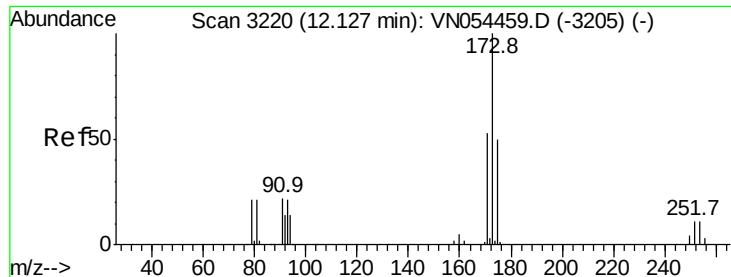
Tot Ion:106 Resp: 464931  
Ion Ratio Lower Upper  
106 100  
91 215.8 105.7 317.1



#70  
Styrene  
Concen: 51.015 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN054528.D  
Acq: 21 Mar 2019 23:30

Tgt Ion:104 Resp: 774773  
Ion Ratio Lower Upper  
104 100  
78 51.8 38.2 57.2  
103 55.9 44.4 66.6





#71

Bromoform

Concen: 49.154 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

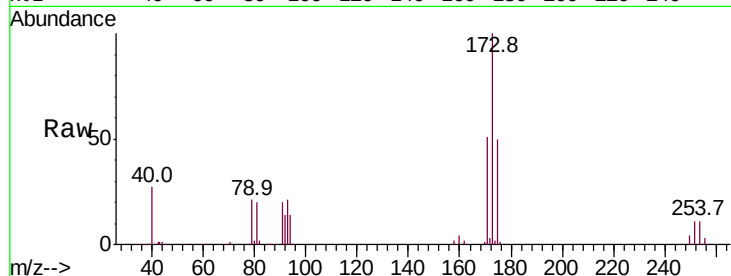
Tot Ion:173 Resp: 173951

Ion Ratio Lower Upper

173 100

175 49.2 24.4 73.2

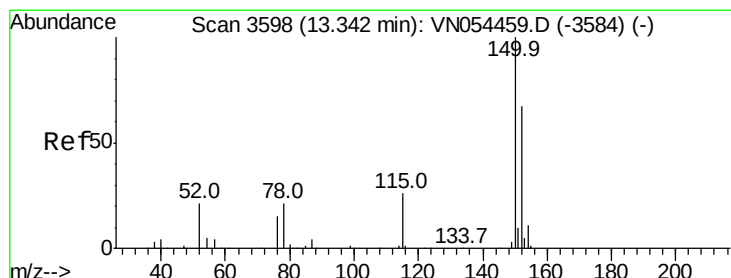
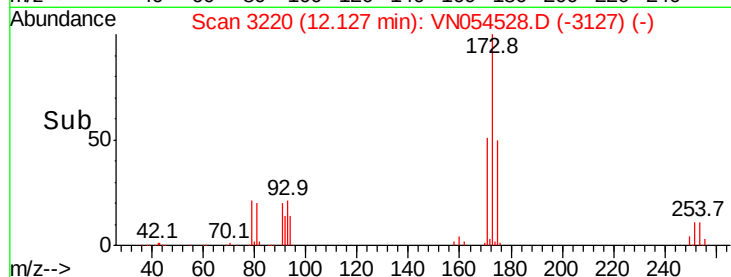
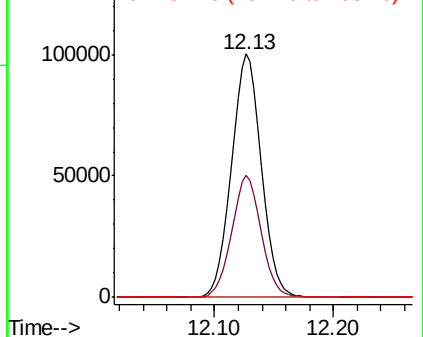
254 0.1 0.1 0.1



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: VN054528.D

Acq: 21 Mar 2019 23:30

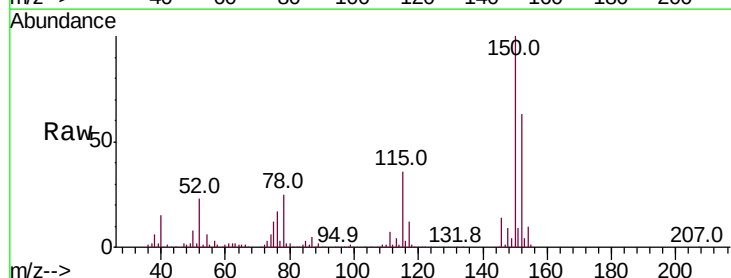
Tgt Ion:152 Resp: 301838

Ion Ratio Lower Upper

152 100

115 58.5 27.2 81.6

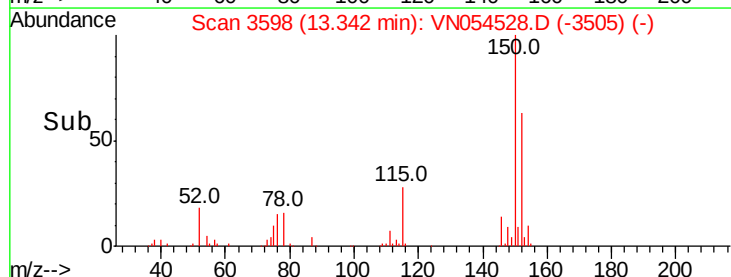
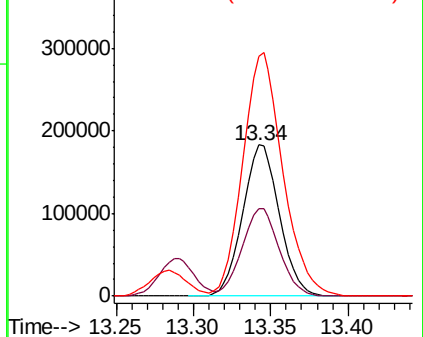
150 175.4 0.0 349.2



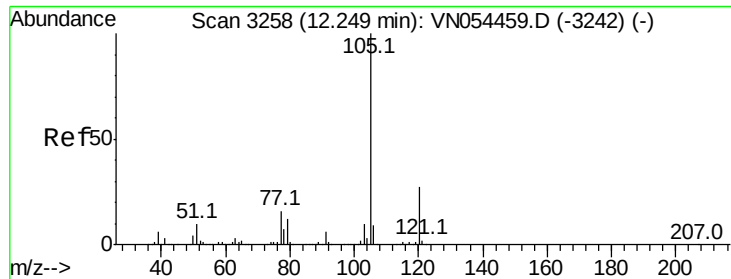
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V







#73

Isopropylbenzene

Concen: 49.395 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

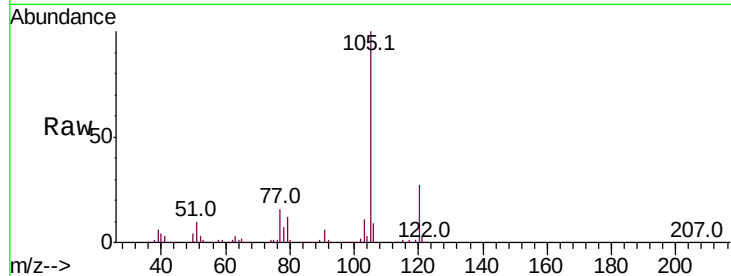
VSTDCCC050

Tot Ion:105 Resp: 1201427

Ion Ratio Lower Upper

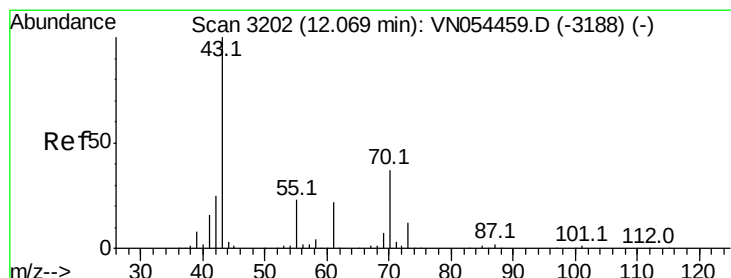
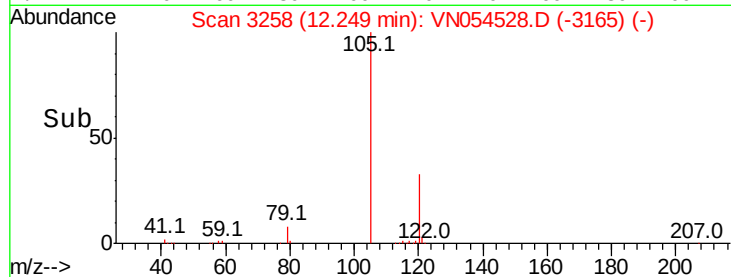
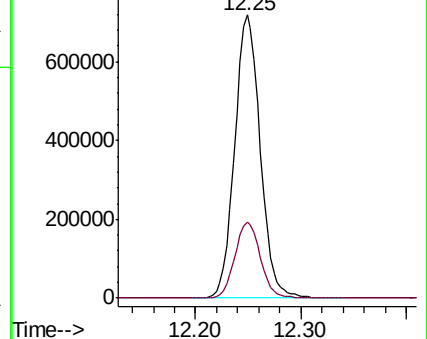
105 100

120 26.9 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 59.559 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Tgt Ion: 43 Resp: 416536

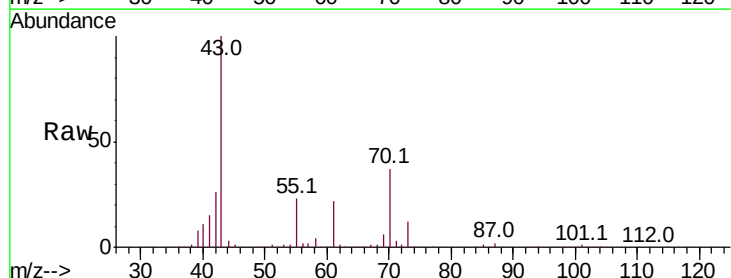
Ion Ratio Lower Upper

43 100

70 37.6 35.4 53.0

55 23.4 19.8 29.6

61 22.1 19.8 29.6

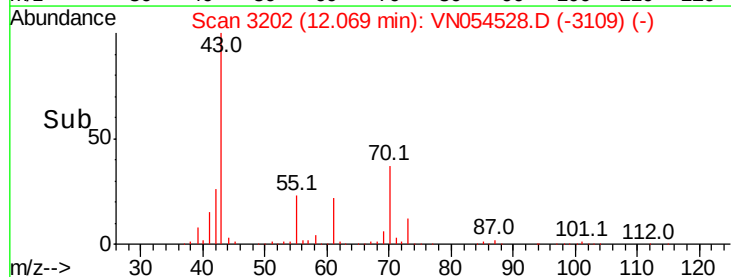
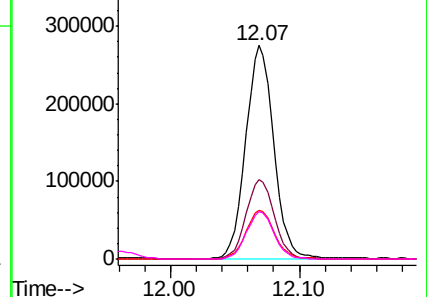


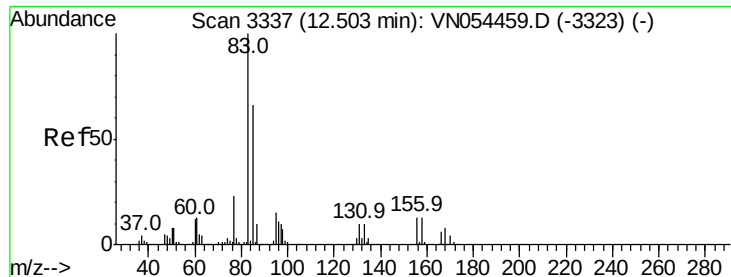
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 56.382 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

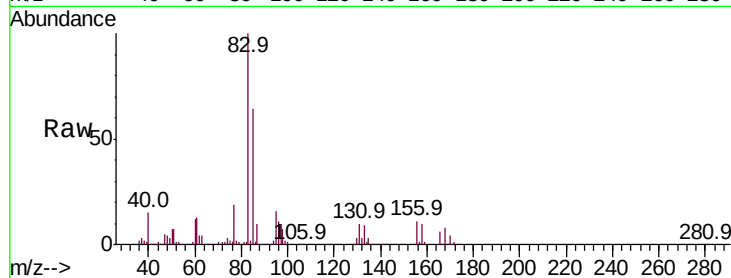
Tot Ion: 83 Resp: 313051

Ion Ratio Lower Upper

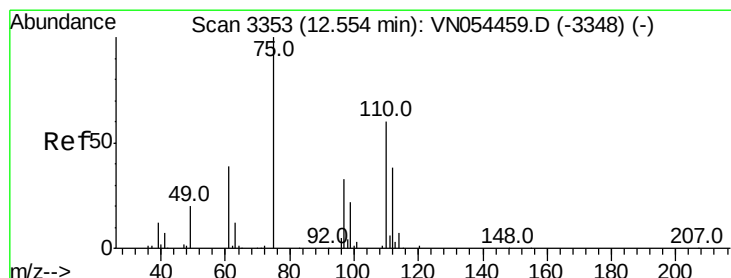
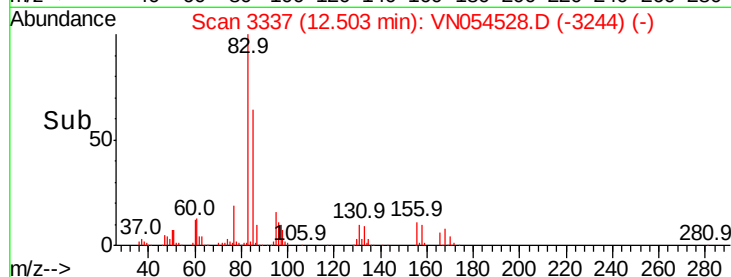
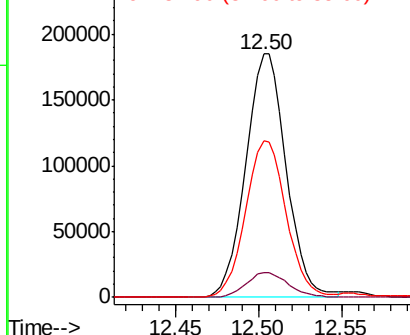
83 100

131 10.7 5.8 17.4

85 64.7 32.2 96.6



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



#76

1,2,3-Trichloropropane

Concen: 78.386 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054528.D

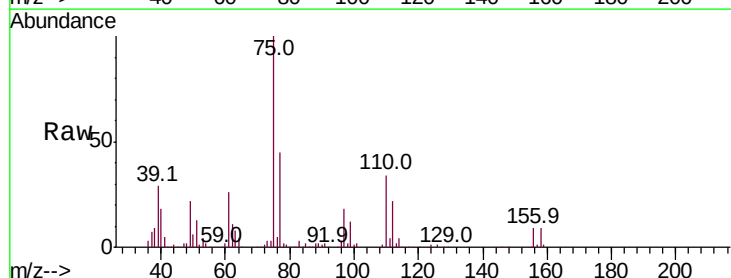
Acq: 21 Mar 2019 23:30

Tgt Ion: 75 Resp: 375446

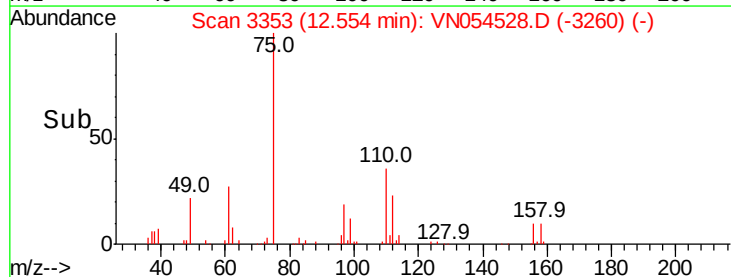
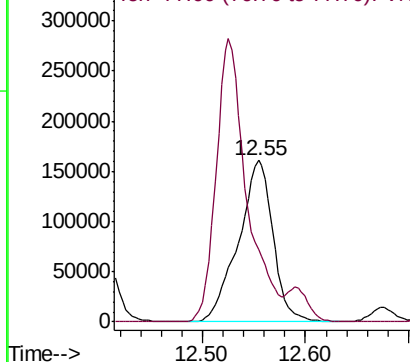
Ion Ratio Lower Upper

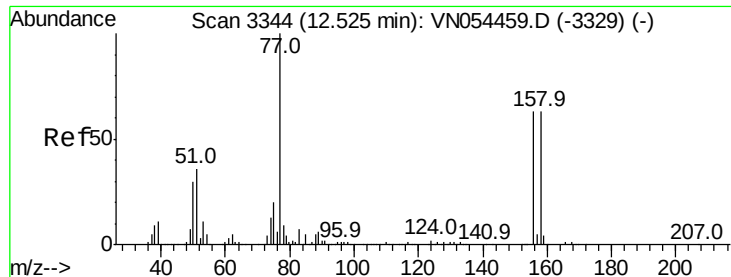
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 50.753 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

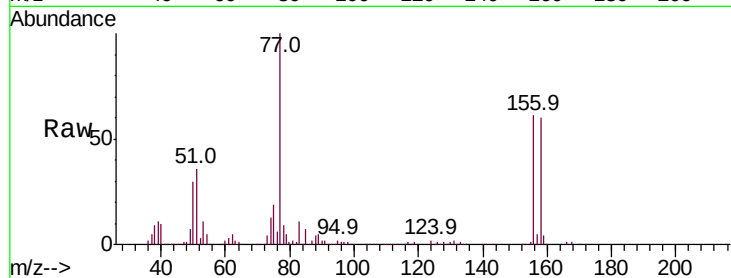
Tot Ion:156 Resp: 306158

Ion Ratio Lower Upper

156 100

77 189.9 81.5 244.4

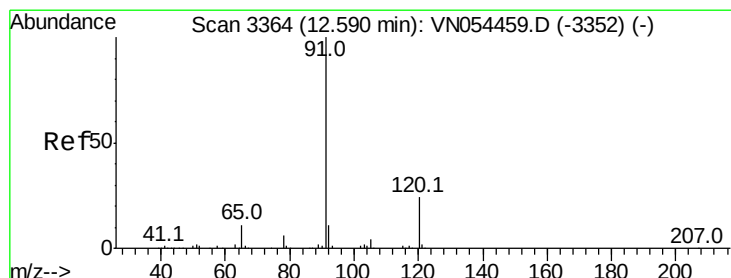
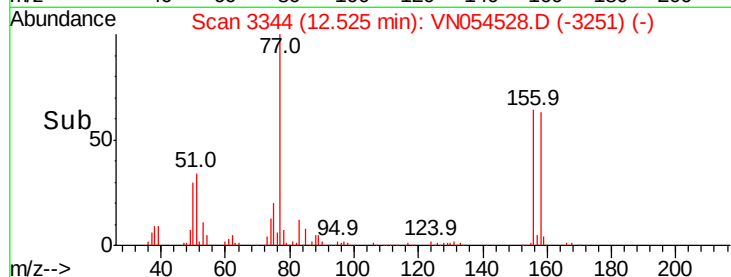
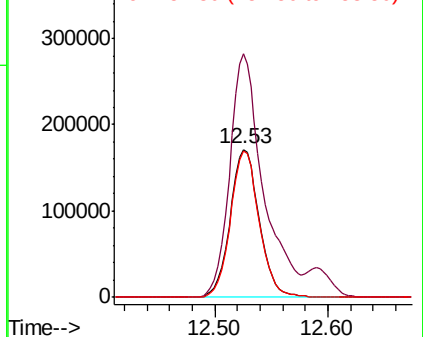
158 97.7 49.0 147.2



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: 49.832 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054528.D

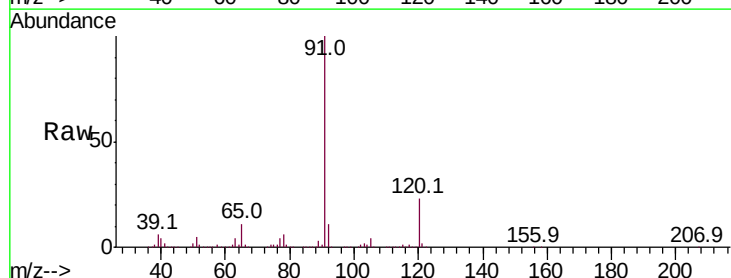
Acq: 21 Mar 2019 23:30

Tgt Ion: 91 Resp: 1314299

Ion Ratio Lower Upper

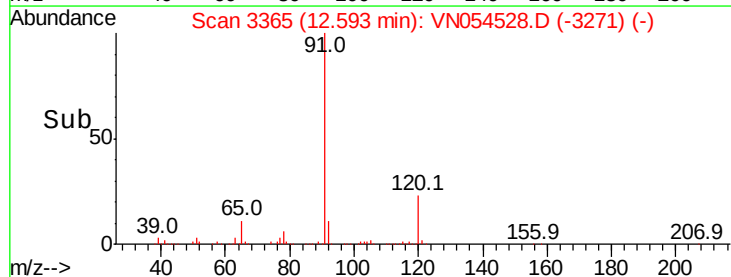
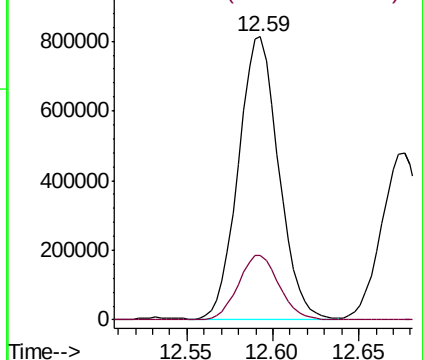
91 100

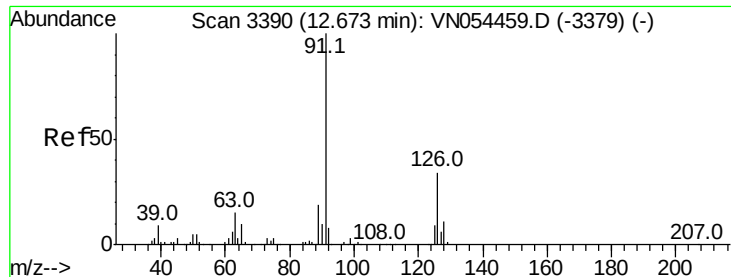
120 23.4 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.487 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampled :

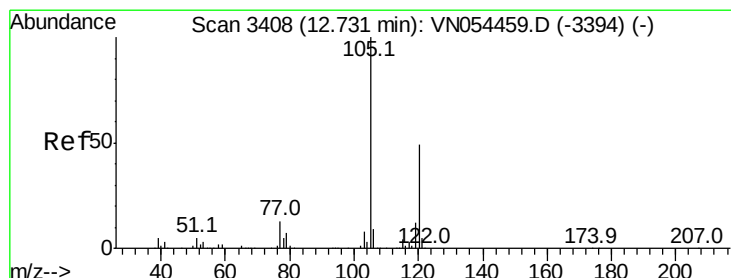
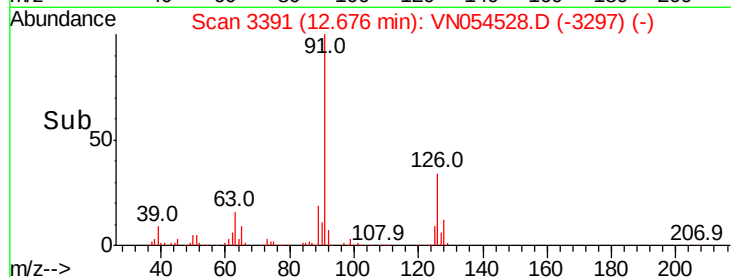
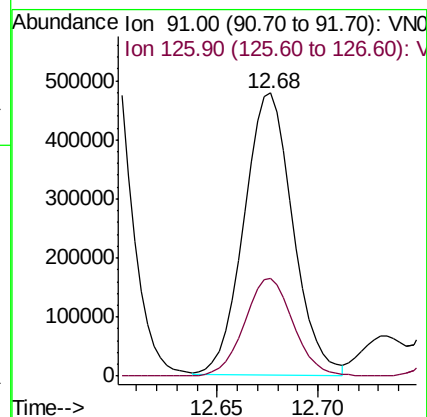
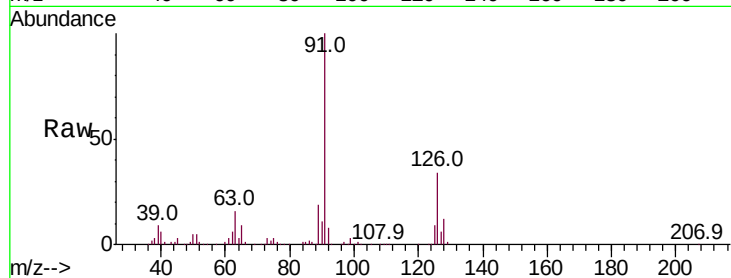
VSTDCCC050

Tot Ion: 91 Resp: 813916

Ion Ratio Lower Upper

91 100

126 34.6 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 49.832 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054528.D

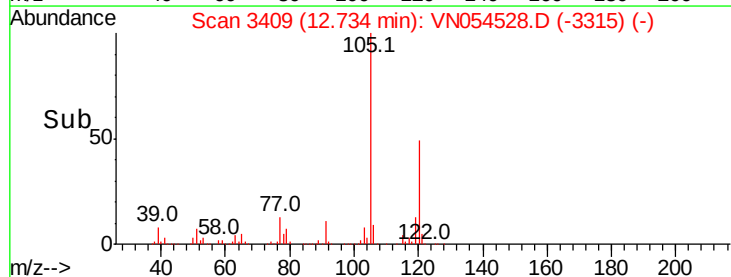
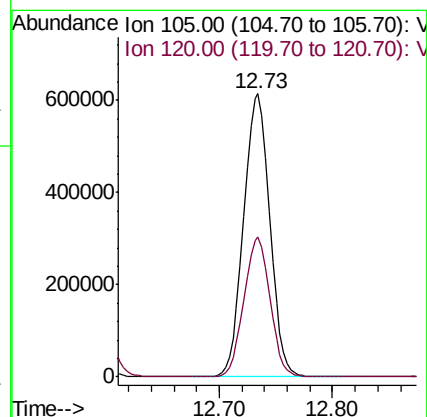
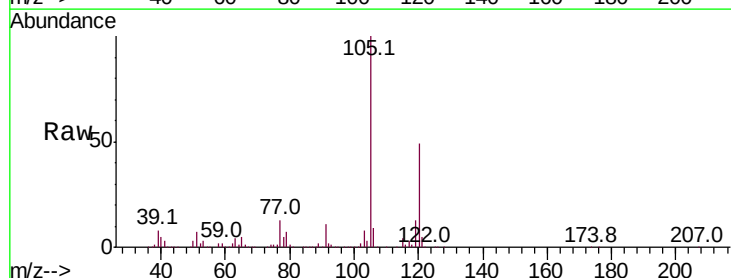
Acq: 21 Mar 2019 23:30

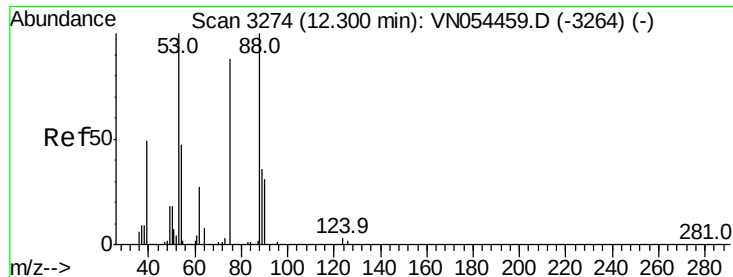
Tgt Ion: 105 Resp: 993382

Ion Ratio Lower Upper

105 100

120 49.2 25.0 75.0

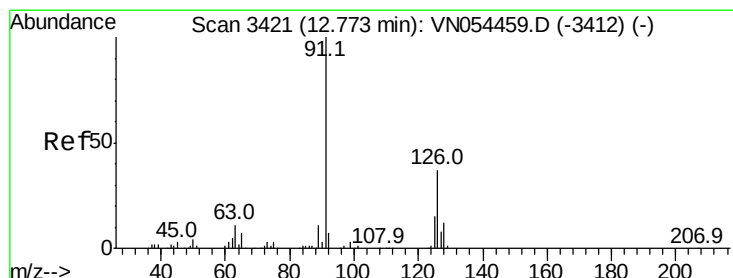
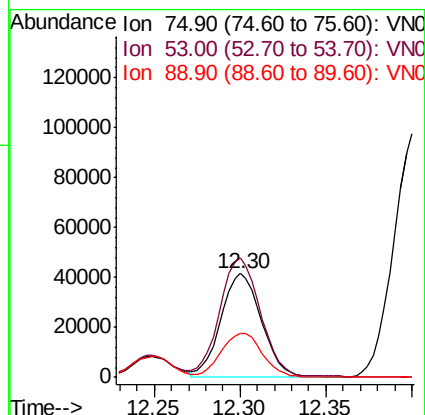
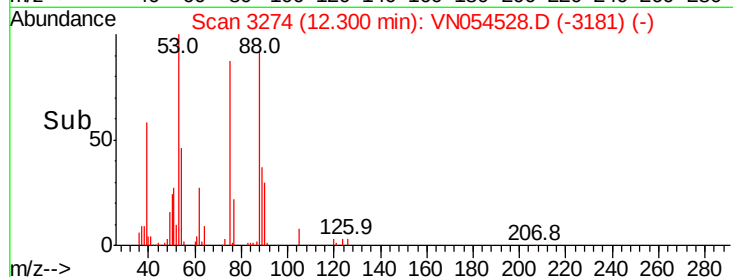
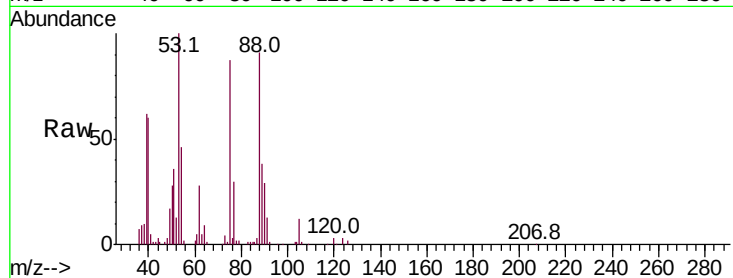




#81  
trans-1,4-Dichloro-2-butene  
Concen: 49.589 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. 0.00 min  
Lab File: VN054528.D  
Acq: 21 Mar 2019 23:30

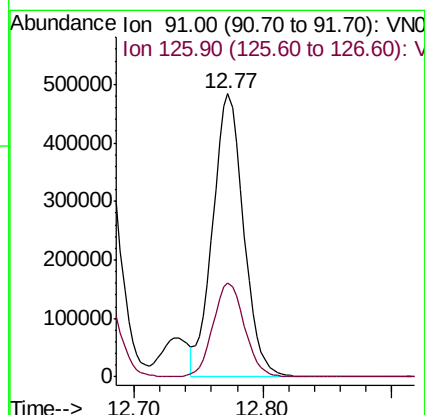
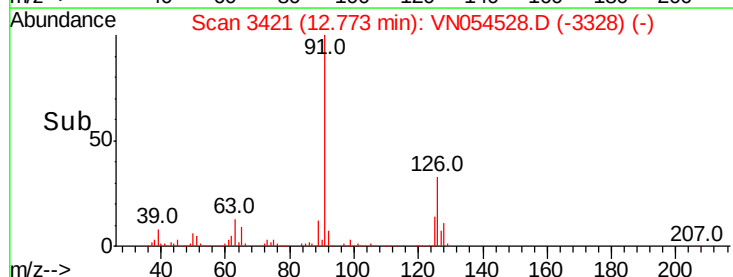
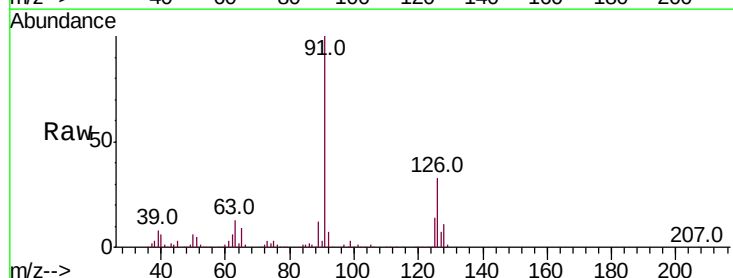
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

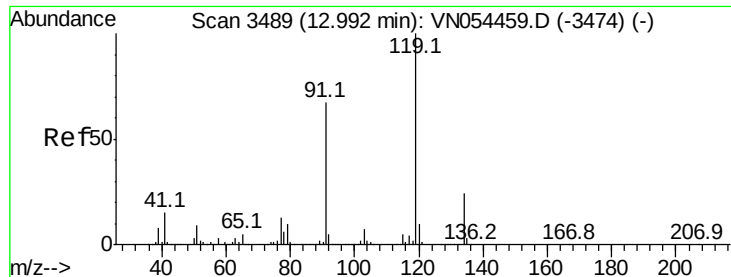
Tot Ion: 75 Resp: 68860  
Ion Ratio Lower Upper  
75 100  
53 116.0 76.2 114.2#  
89 43.7 39.2 58.8



#82  
4-Chlorotoluene  
Concen: 50.418 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. -0.00 min  
Lab File: VN054528.D  
Acq: 21 Mar 2019 23:30

Tgt Ion: 91 Resp: 803775  
Ion Ratio Lower Upper  
91 100  
126 33.8 18.1 54.1





#83

tert-Butylbenzene

Concen: 50.013 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

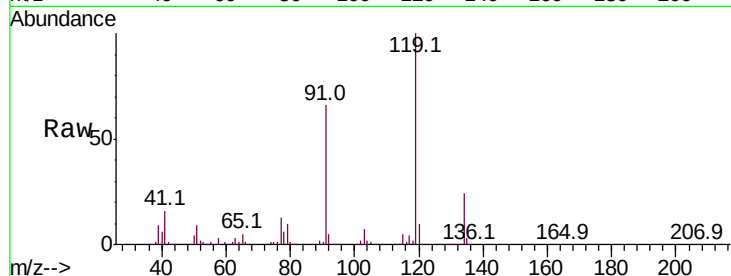
Tot Ion:119 Resp: 867822

Ion Ratio Lower Upper

119 100

91 64.4 30.9 92.8

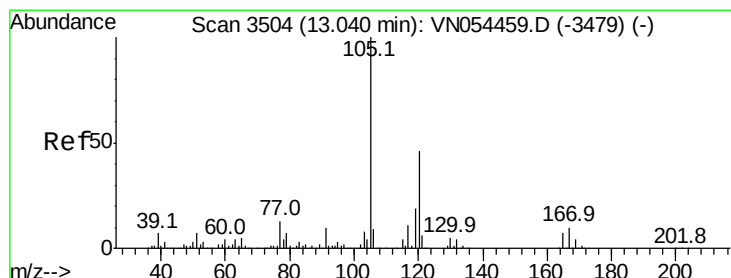
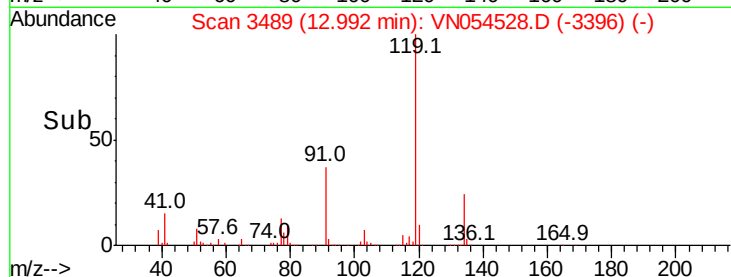
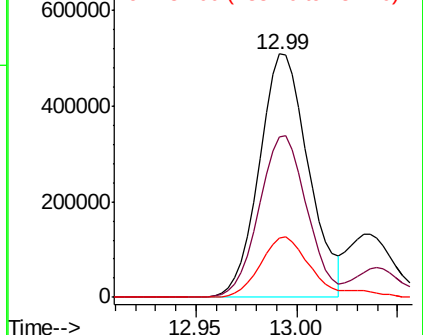
134 26.3 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.352 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054528.D

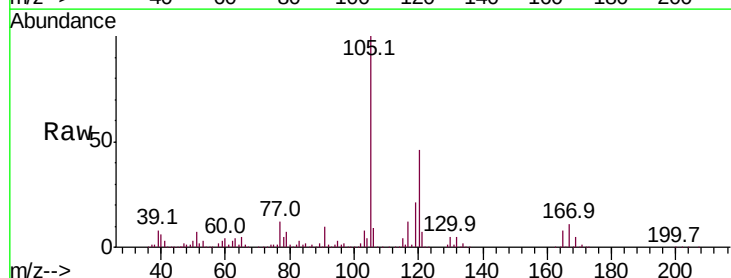
Acq: 21 Mar 2019 23:30

Tgt Ion:105 Resp: 984891

Ion Ratio Lower Upper

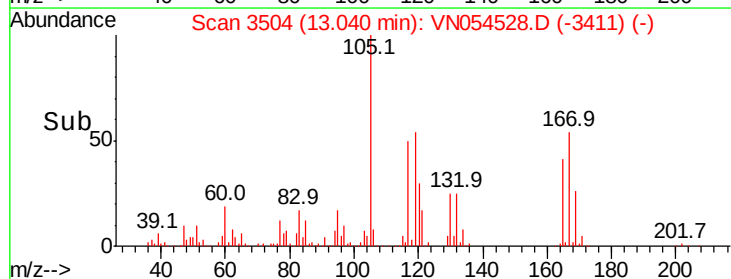
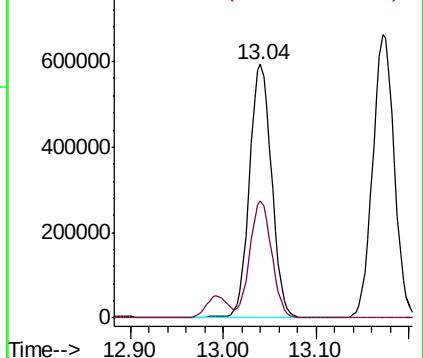
105 100

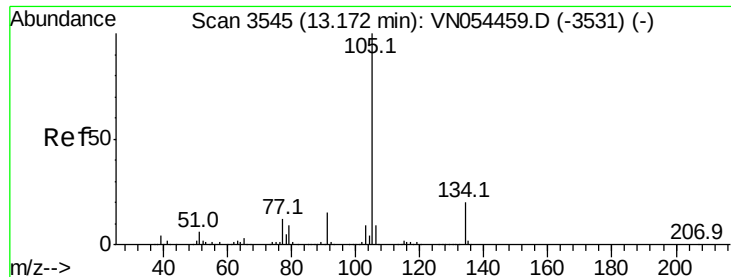
120 45.6 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

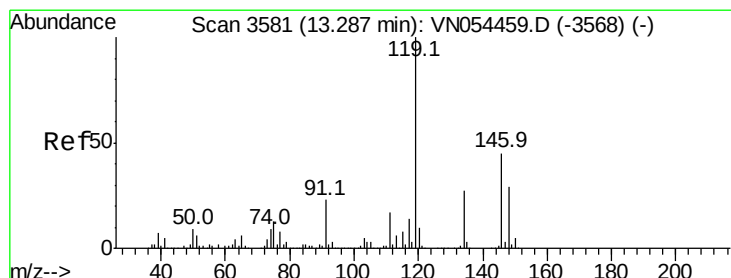
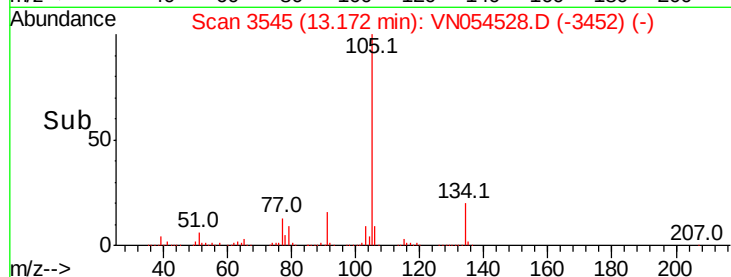
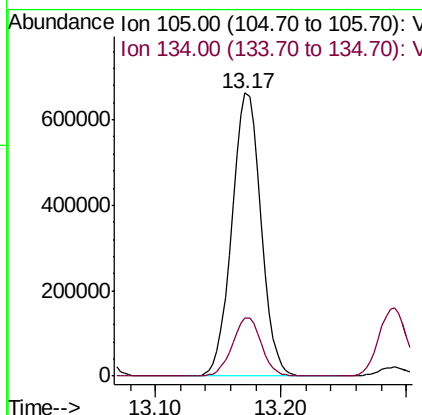
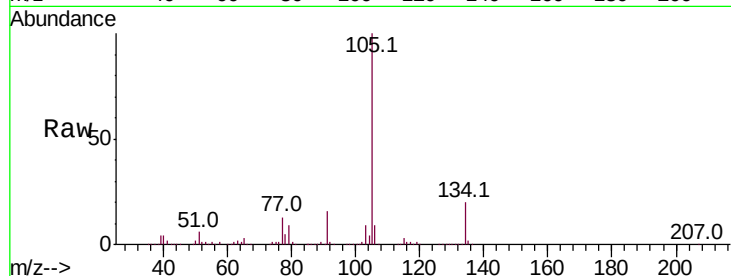




#85  
 sec-Butylbenzene  
 Concen: 49.334 ug/l  
 RT: 13.17 min Scan# 3545  
 Delta R.T. -0.00 min  
 Lab File: VN054528.D  
 Acq: 21 Mar 2019 23:30

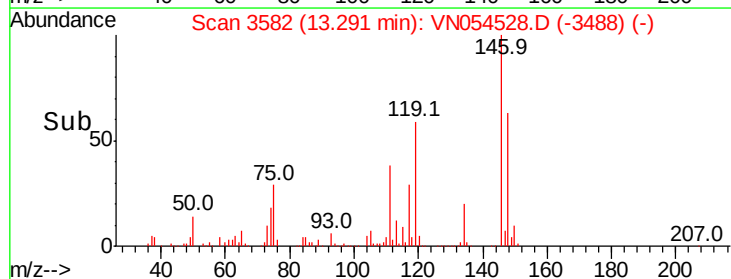
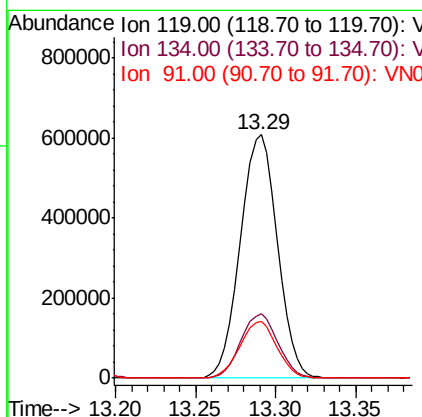
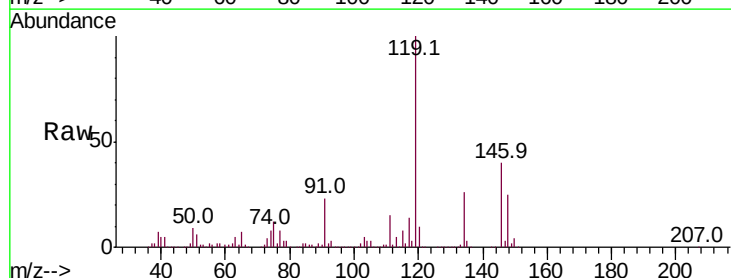
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

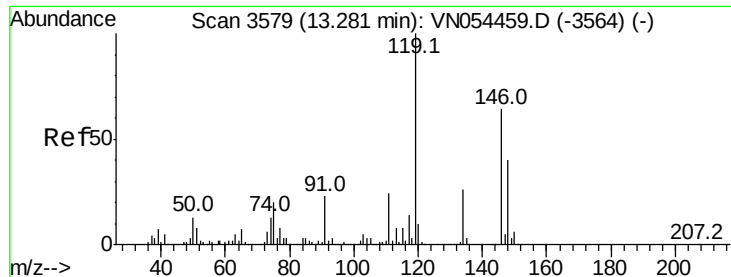
Tot Ion:105 Resp: 1067132  
 Ion Ratio Lower Upper  
 105 100  
 134 20.6 10.7 32.1



#86  
 p-Isopropyltoluene  
 Concen: 49.490 ug/l  
 RT: 13.29 min Scan# 3582  
 Delta R.T. 0.00 min  
 Lab File: VN054528.D  
 Acq: 21 Mar 2019 23:30

Tgt Ion:119 Resp: 957740  
 Ion Ratio Lower Upper  
 119 100  
 134 26.6 13.6 40.8  
 91 23.2 11.1 33.3

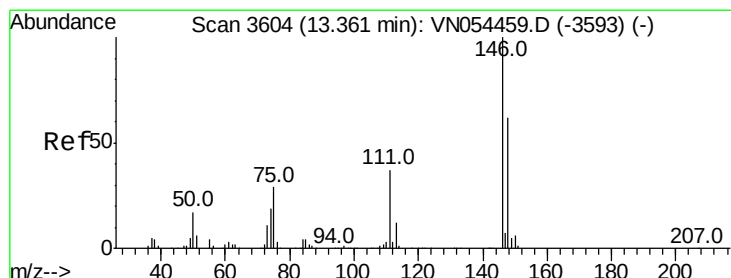
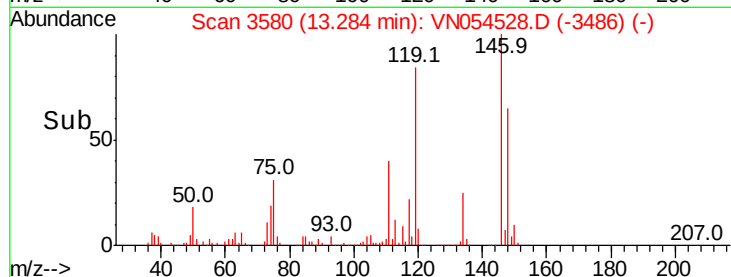
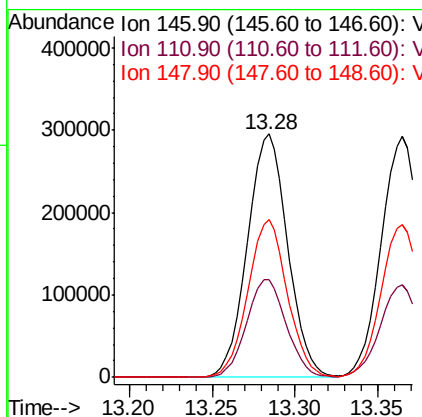
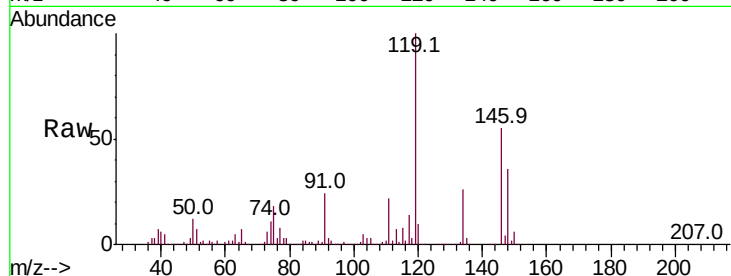




#87  
 1,3-Dichlorobenzene  
 Concen: 49.921 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN054528.D  
 Acq: 21 Mar 2019 23:30

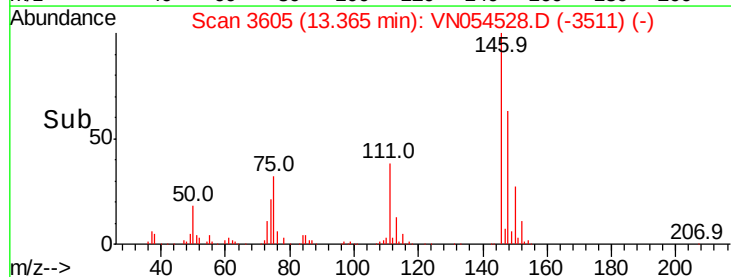
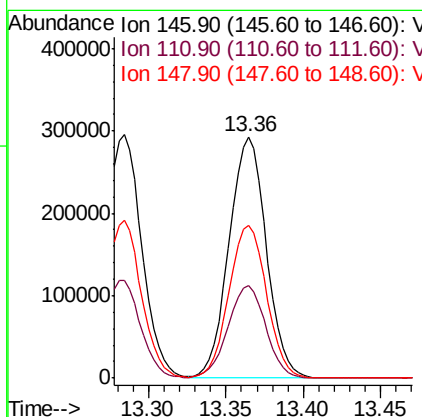
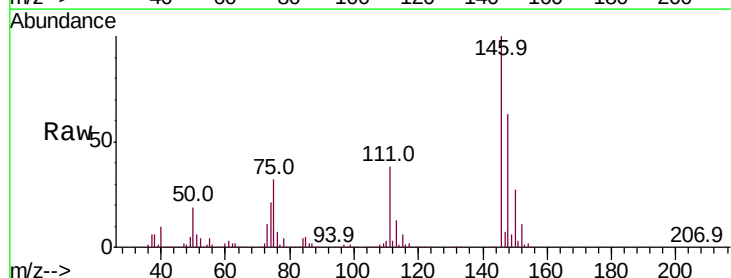
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion:146 Resp: 499043  
 Ion Ratio Lower Upper  
 146 100  
 111 39.7 18.8 56.3  
 148 63.4 32.2 96.6

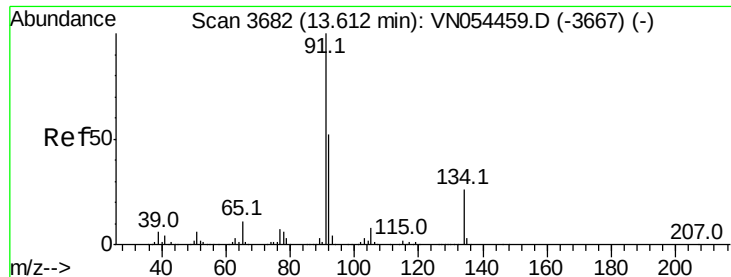


#88  
 1,4-Dichlorobenzene  
 Concen: 50.131 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN054528.D  
 Acq: 21 Mar 2019 23:30

Tgt Ion:146 Resp: 487595  
 Ion Ratio Lower Upper  
 146 100  
 111 39.0 18.1 54.1  
 148 64.3 32.0 96.0







#89

n-Butylbenzene

Concen: 50.500 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

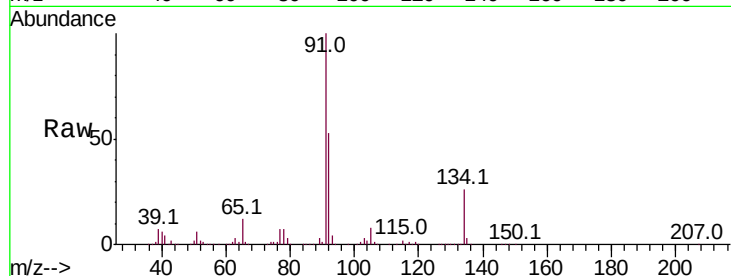
Tot Ion: 91 Resp: 764169

Ion Ratio Lower Upper

91 100

92 52.1 26.2 78.6

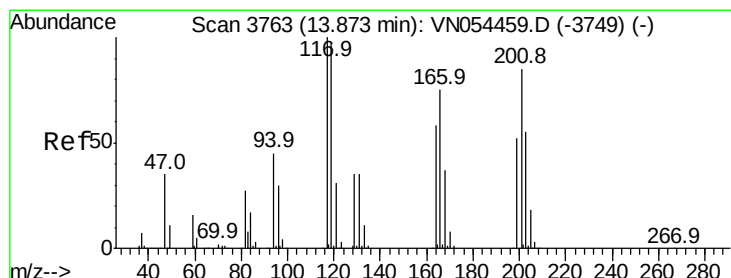
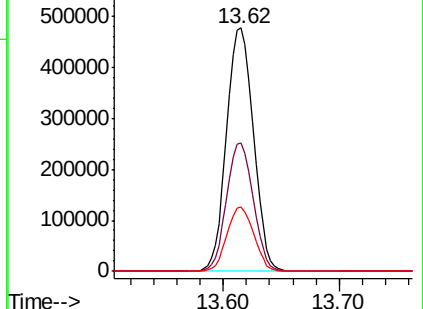
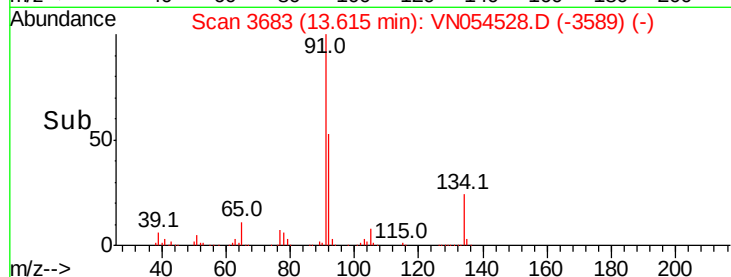
134 26.2 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN054459.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054459.D (-3667) (-)



#90

Hexachloroethane

Concen: 52.190 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054528.D

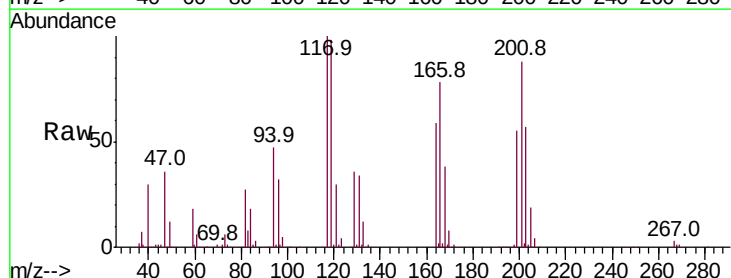
Acq: 21 Mar 2019 23:30

Tgt Ion: 117 Resp: 156774

Ion Ratio Lower Upper

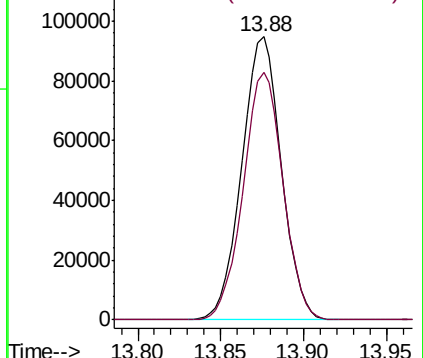
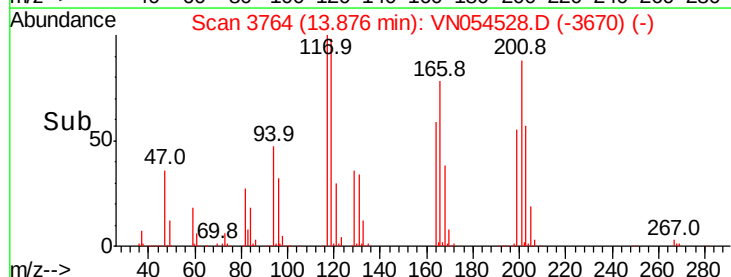
117 100

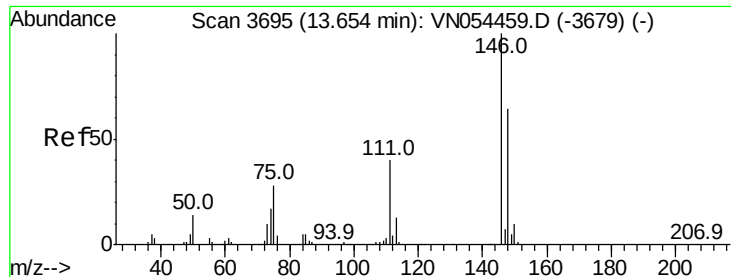
201 87.9 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054459.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN054459.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 51.284 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

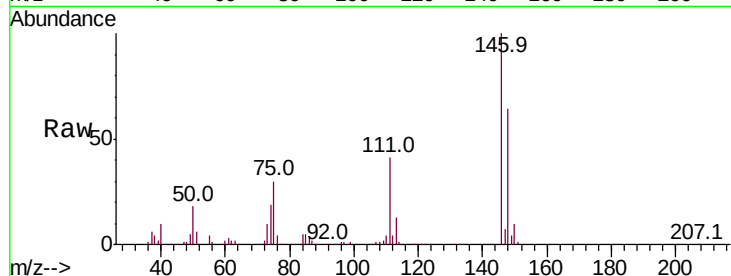
Tot Ion:146 Resp: 496560

Ion Ratio Lower Upper

146 100

111 41.1 19.1 57.3

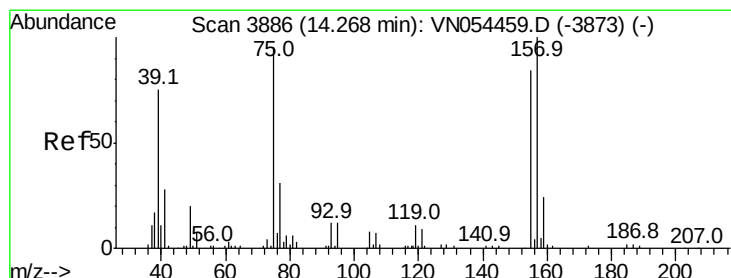
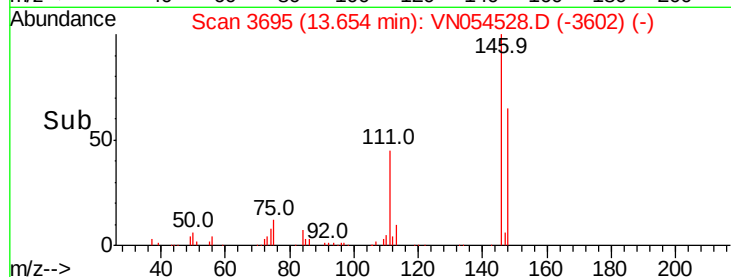
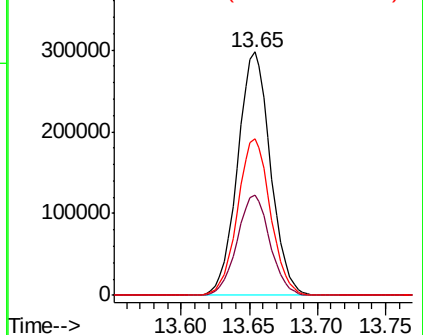
148 64.3 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 58.298 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

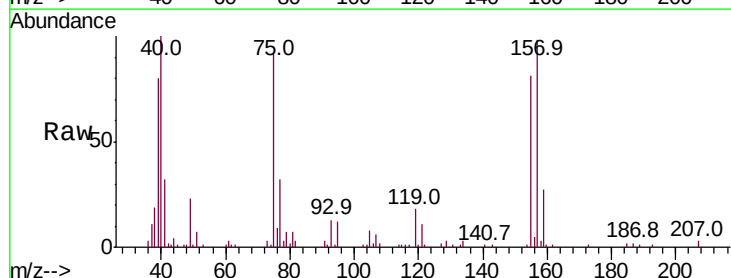
Tgt Ion: 75 Resp: 47477

Ion Ratio Lower Upper

75 100

155 86.1 50.1 150.3

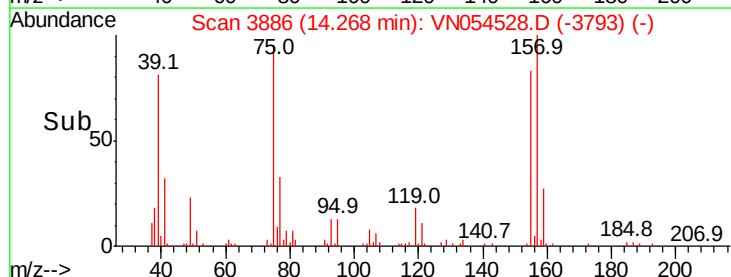
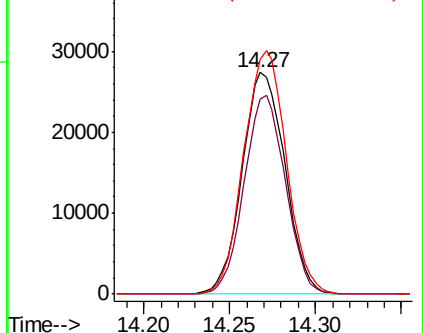
157 109.2 63.1 189.3

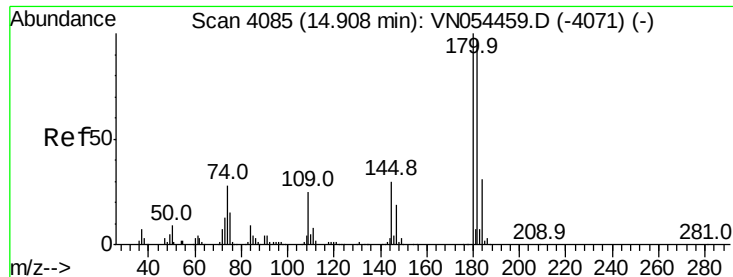


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

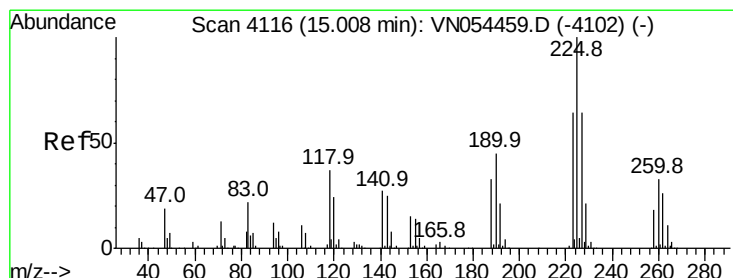
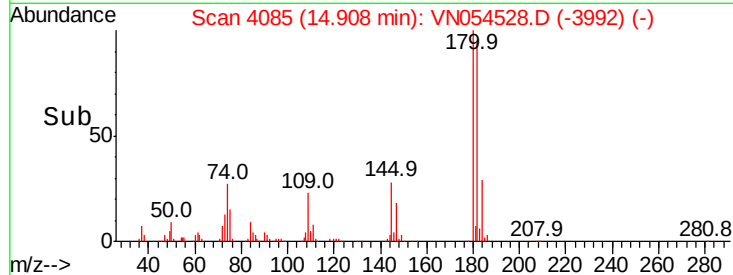
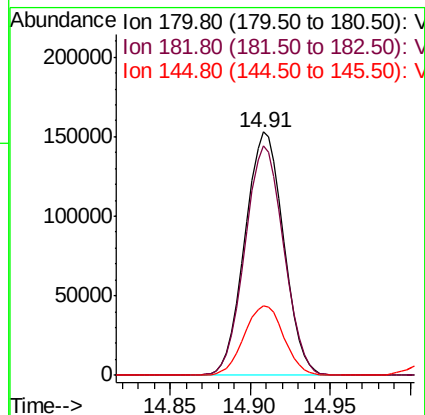
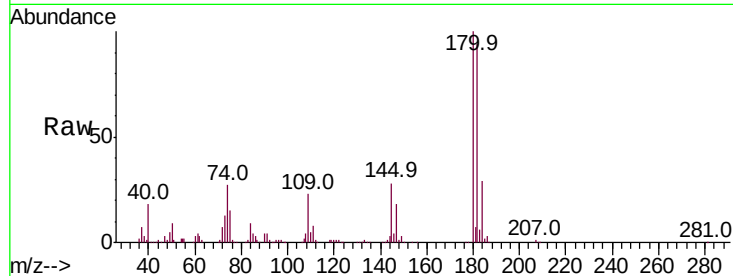




#93  
 1,2,4-Trichlorobenzene  
 Concen: 52.229 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. -0.00 min  
 Lab File: VN054528.D  
 Acq: 21 Mar 2019 23:30

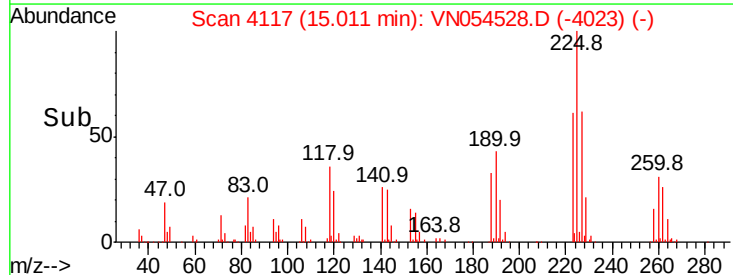
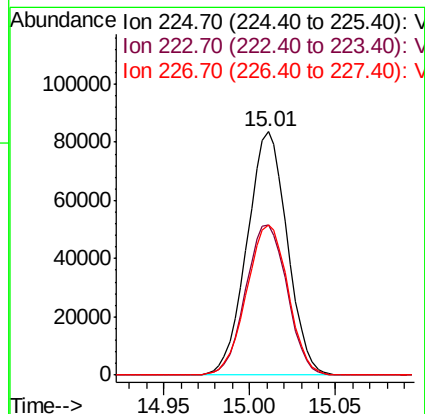
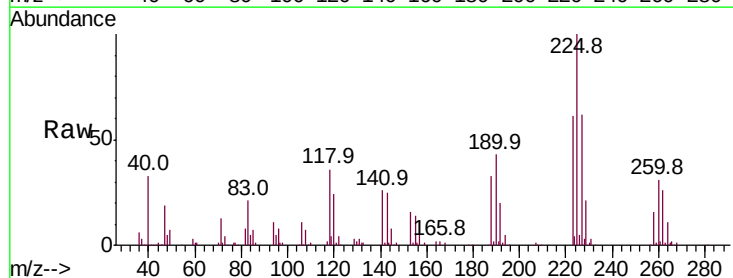
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

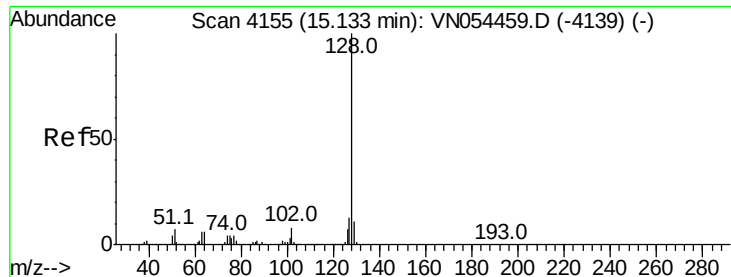
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.6  | 48.0  | 144.2 |
| 145     | 29.3  | 14.2  | 42.8  |



#94  
 Hexachlorobutadiene  
 Concen: 50.055 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN054528.D  
 Acq: 21 Mar 2019 23:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.5  | 31.1  | 93.5  |
| 227     | 63.5  | 31.9  | 95.9  |





#95

Naphthalene

Concen: 55.228 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

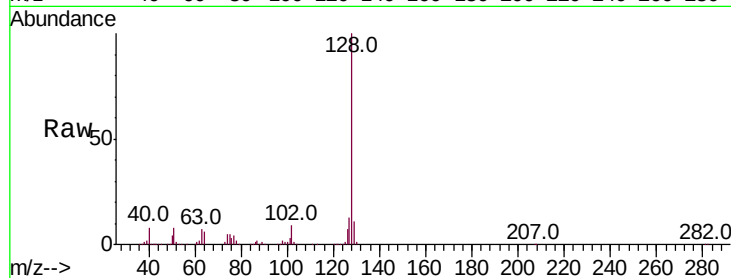
Tot Ion:128 Resp: 594612

Ion Ratio Lower Upper

128 100

127 13.5 10.1 15.1

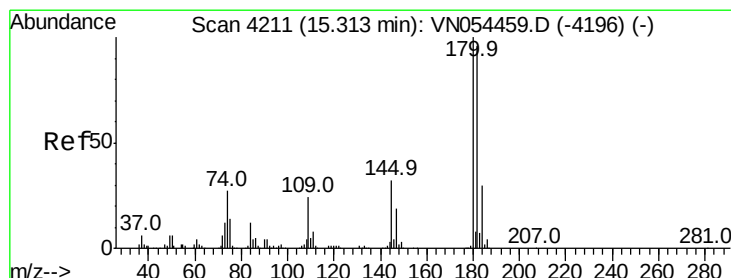
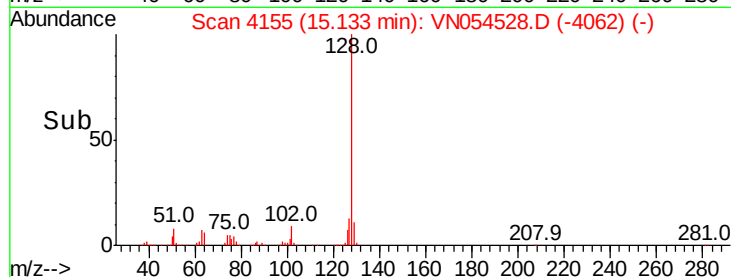
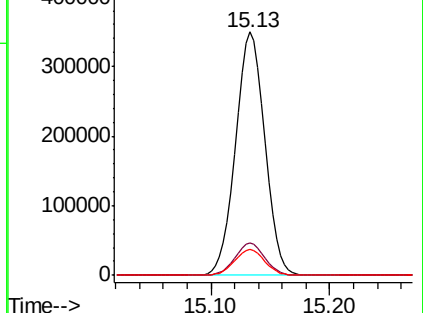
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.019 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054528.D

Acq: 21 Mar 2019 23:30

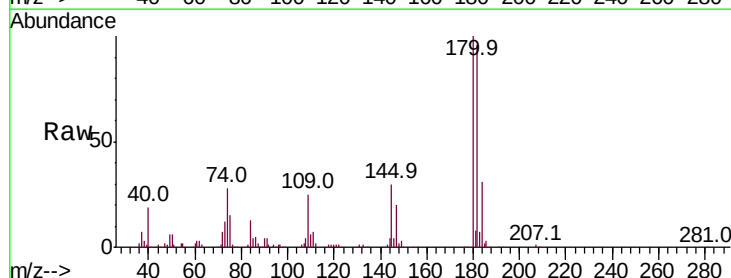
Tgt Ion:180 Resp: 254703

Ion Ratio Lower Upper

180 100

182 95.3 47.5 142.6

145 29.9 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

