

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\  
 Data File : VN055511.D  
 Acq On : 9 May 2019 21:29  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: May 10 04:18:22 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N050819W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 09 04:17:44 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 715898   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1239631  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1082625  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 458123   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 520793   | 48.32 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.64%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 404258   | 50.55 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.10% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1592613  | 51.11 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.22% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 545609   | 51.93 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.86% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units  | Qvalue |
|-------------------------------|------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85   | 329638   | 45.226  | ug/l   | 100    |
| 3) Chloromethane              | 2.06 | 50   | 523572   | 44.216  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.19 | 62   | 517266   | 46.277  | ug/l   | 99     |
| 5) Bromomethane               | 2.54 | 94   | 273668   | 44.686  | ug/l   | 99     |
| 6) Chloroethane               | 2.69 | 64   | 319050   | 49.003  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 3.01 | 101  | 596559   | 48.649  | ug/l   | 100    |
| 8) Diethyl Ether              | 3.41 | 74   | 271071   | 49.222  | ug/l   | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101  | 371224   | 47.582  | ug/l   | 100    |
| 10) Methyl Iodide             | 3.95 | 142  | 447270   | 42.416  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 4.81 | 59   | 345073   | 216.817 | ug/l # | 86     |
| 12) 1,1-Dichloroethene        | 3.73 | 96   | 377023   | 48.186  | ug/l   | 99     |
| 13) Acrolein                  | 3.61 | 56   | 222535   | 209.800 | ug/l   | 98     |
| 14) Allyl chloride            | 4.32 | 41   | 747799   | 46.656  | ug/l   | 99     |
| 15) Acrylonitrile             | 4.99 | 53   | 1139915  | 231.307 | ug/l   | 99     |
| 16) Acetone                   | 3.82 | 43   | 973468   | 195.044 | ug/l   | 96     |
| 17) Carbon Disulfide          | 4.05 | 76   | 1015582  | 47.557  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.33 | 43   | 474647   | 45.212  | ug/l   | 97     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73   | 1270888  | 48.882  | ug/l   | 97     |
| 20) Methylene Chloride        | 4.55 | 84   | 464174   | 45.481  | ug/l   | 99     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96   | 414251   | 48.832  | ug/l   | 95     |
| 22) Diisopropyl ether         | 5.96 | 45   | 1594790  | 48.964  | ug/l   | 97     |
| 23) Vinyl Acetate             | 5.90 | 43   | 6270484  | 248.941 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 5.85 | 63   | 844705   | 48.043  | ug/l   | 99     |
| 25) 2-Butanone                | 6.84 | 43   | 1547060  | 224.391 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 6.82 | 77   | 516060   | 47.084  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96   | 484181   | 49.386  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.19 | 49   | 457375   | 50.092  | ug/l   | 96     |
| 29) Tetrahydrofuran           | 7.22 | 42   | 1032885  | 226.618 | ug/l   | 99     |
| 30) Chloroform                | 7.37 | 83   | 794302   | 48.869  | ug/l   | 98     |
| 31) Cyclohexane               | 7.65 | 56   | 789607   | 45.390  | ug/l   | 99     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97   | 615742   | 49.747  | ug/l   | 100    |
| 36) 1,1-Dichloropropene       | 7.79 | 75   | 605211   | 49.557  | ug/l   | 99     |
| 37) Ethyl Acetate             | 6.93 | 43   | 627229   | 47.083  | ug/l   | 98     |
| 38) Carbon Tetrachloride      | 7.77 | 117  | 493537   | 47.993  | ug/l   | 100    |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: May 10 04:18:22 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N050819W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 09 04:17:44 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 704334   | 47.302  | ug/l   | 98       |
| 40) Benzene                    | 8.04  | 78   | 1847087  | 48.733  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.18  | 41   | 263802   | 42.665  | ug/l # | 81       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 631093   | 47.393  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 981823   | 48.511  | ug/l # | 88       |
| 44) Trichloroethene            | 8.83  | 130  | 441247   | 48.927  | ug/l   | 95       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 526452   | 48.544  | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 307735   | 48.955  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.40  | 83   | 601927   | 50.054  | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.20  | 41   | 474159   | 48.625  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 173027   | 910.397 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 3092282  | 232.312 | ug/l   | 99       |
| 52) Toluene                    | 10.16 | 92   | 1098152  | 50.679  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 607185   | 52.571  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 718713   | 52.076  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 436739   | 49.746  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 656162   | 50.247  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 772773   | 49.580  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 914695   | 210.171 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 2100973  | 225.065 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 413687   | 51.826  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 423072   | 50.155  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.63 | 164  | 423290   | 47.716  | ug/l   | 100      |
| 65) Chlorobenzene              | 11.43 | 112  | 1116582  | 50.131  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 393122   | 51.268  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.51 | 91   | 2071946  | 49.529  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 1516930  | 101.043 | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 742176   | 50.298  | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 1246769  | 52.740  | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 270372   | 52.252  | ug/l   | 98       |
| 73) Isopropylbenzene           | 12.25 | 105  | 1974050  | 52.377  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 795416   | 45.732  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 616665   | 50.218  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 735334   | 58.960  | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 453919   | 44.960  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.59 | 91   | 2250328  | 45.798  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 1359604  | 44.399  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 1675647  | 45.735  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 152428   | 45.097  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 1340040  | 46.312  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 1384275  | 44.079  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 1607661  | 47.844  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 1879699  | 45.037  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 1606943  | 47.308  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 763242   | 48.923  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 742868   | 48.250  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 1280316  | 48.627  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 253518   | 45.753  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 759770   | 48.728  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 94380    | 44.801  | ug/l   | 96       |

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Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Quant Time: May 10 04:18:22 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N050819W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 09 04:17:44 2019  
Response via : Initial Calibration

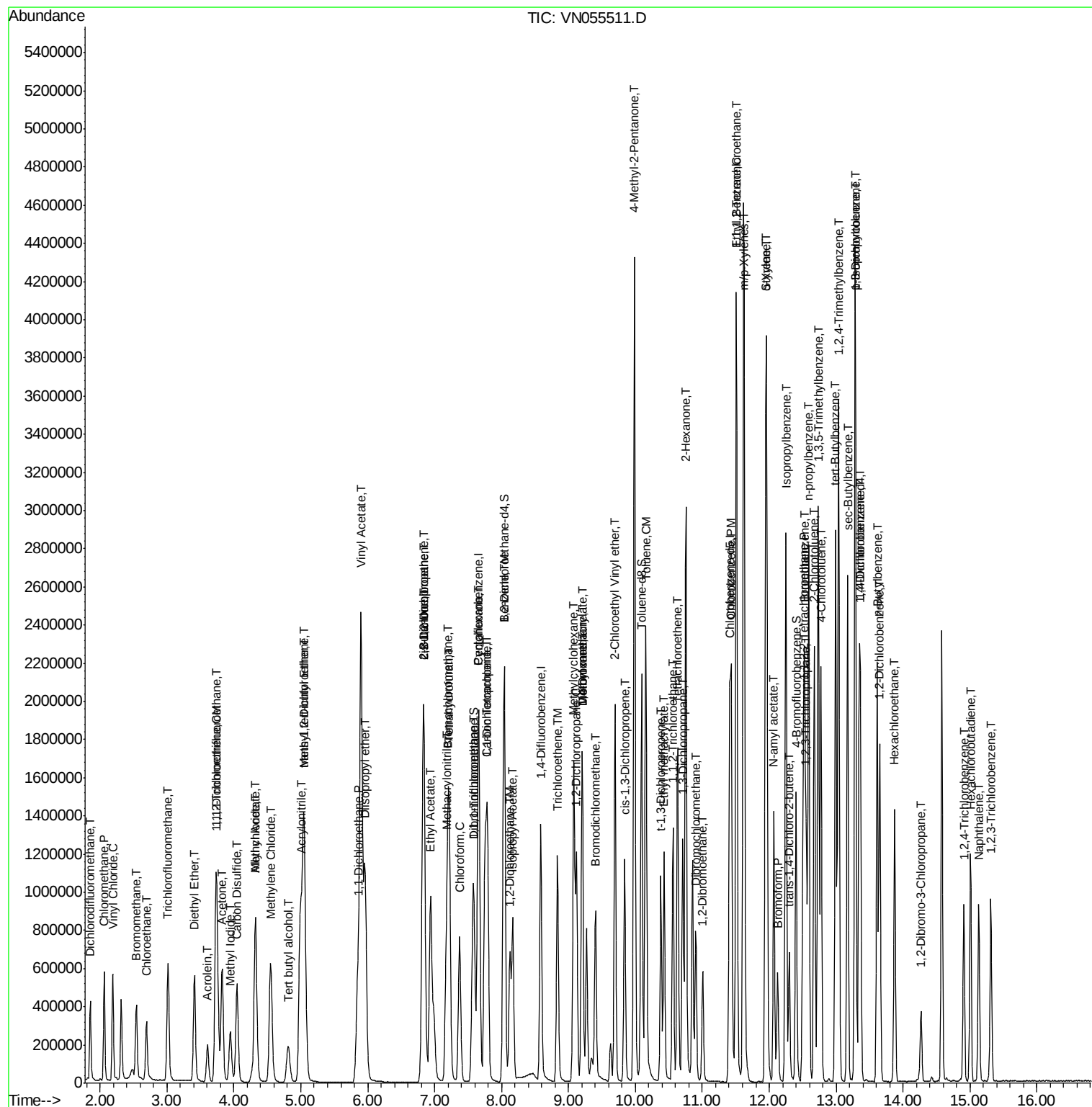
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 298531   | 44.360 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 238974   | 51.879 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 789475   | 41.841 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 325634   | 44.571 | ug/l  | 99       |

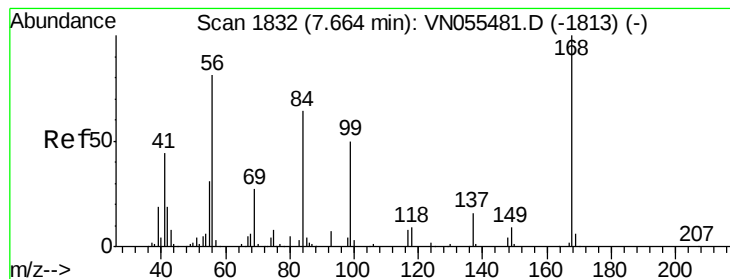
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050919\  
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Sample : VSTDCCC050  
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ALS Vial : 29 Sample Multiplier: 1

Instrument :  
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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: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA\_N

ClientSampleId :

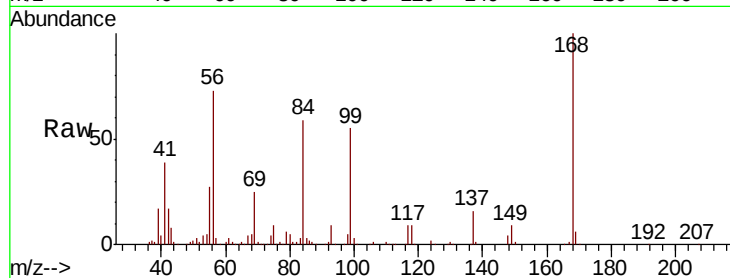
VSTDCCC050

Tot Ion:168 Resp: 715898

Ion Ratio Lower Upper

168 100

99 54.0 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

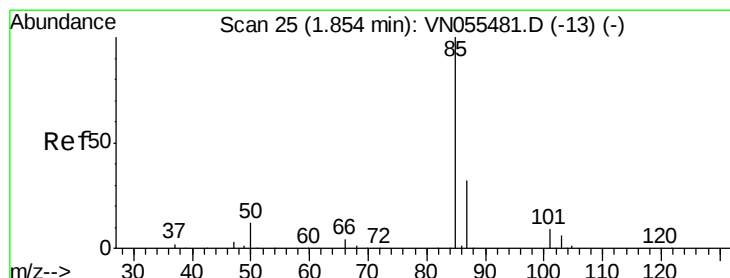
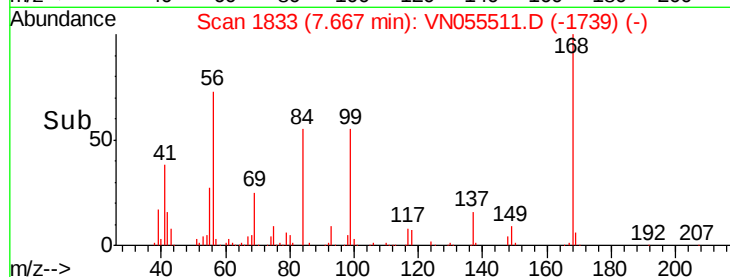
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.226 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055511.D

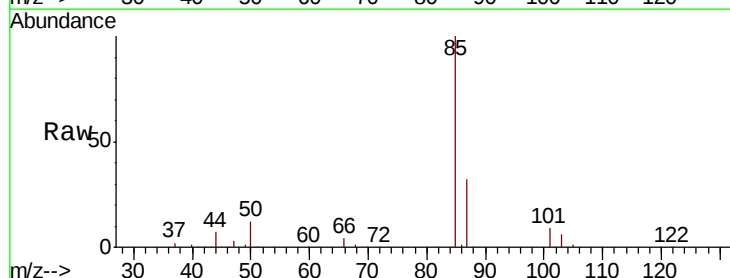
Acq: 9 May 2019 21:29

Tgt Ion: 85 Resp: 329638

Ion Ratio Lower Upper

85 100

87 32.1 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

250000

200000

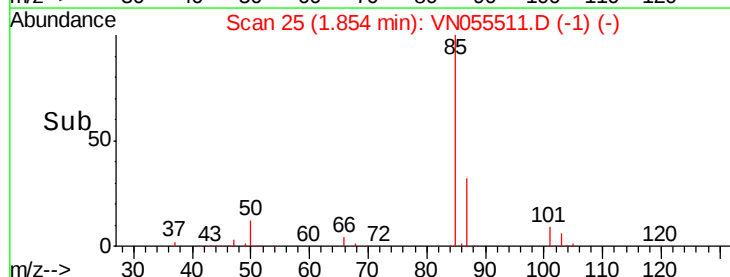
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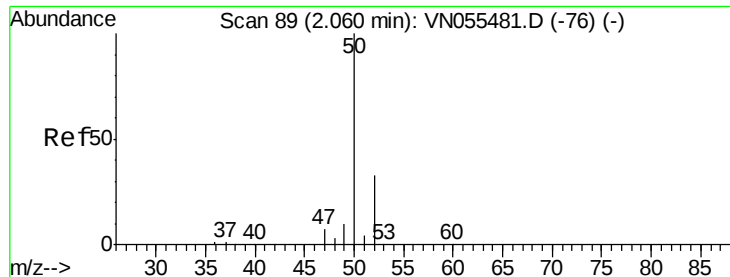
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50000

0

Time-->





#3

Chloromethane

Concen: 44.216 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA\_N

ClientSampleId :

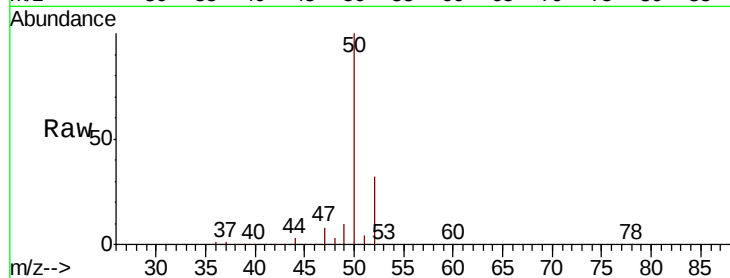
VSTDCCC050

Tot Ion: 50 Resp: 523572

Ion Ratio Lower Upper

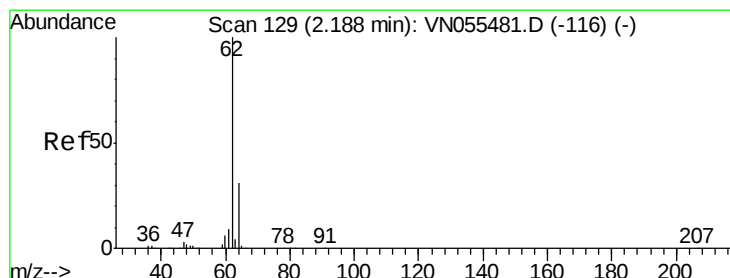
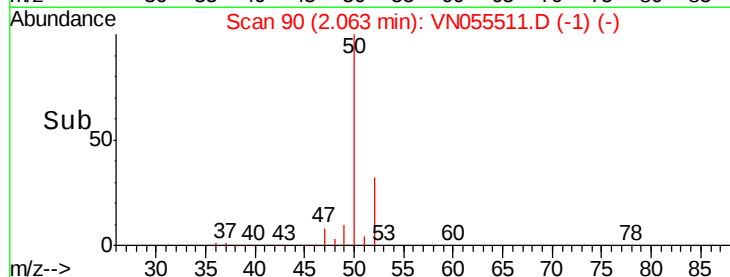
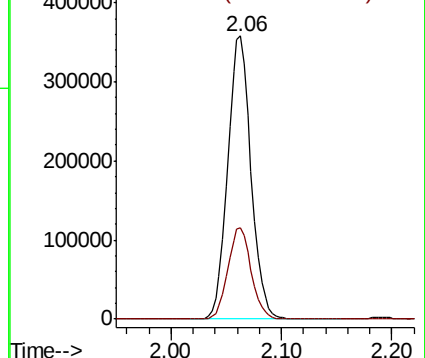
50 100

52 32.4 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 46.277 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055511.D

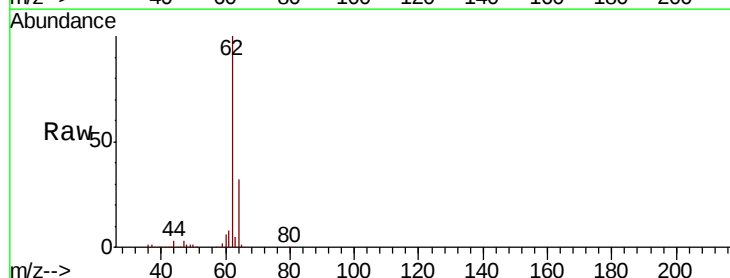
Acq: 9 May 2019 21:29

Tgt Ion: 62 Resp: 517266

Ion Ratio Lower Upper

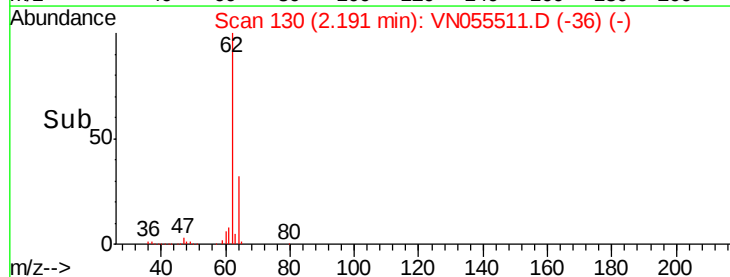
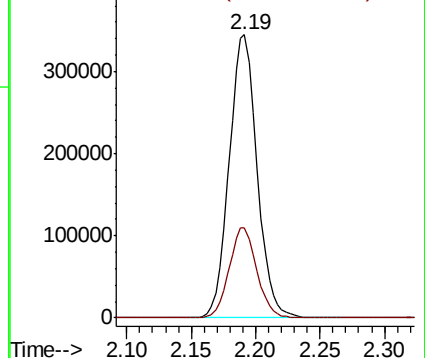
62 100

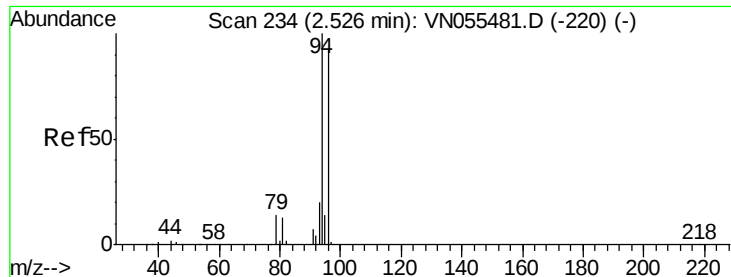
64 31.7 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 44.686 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.02 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA\_N

ClientSampleId :

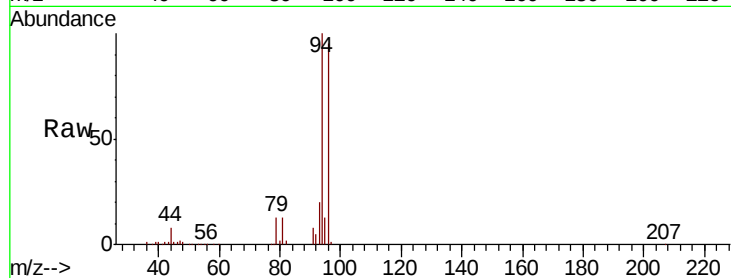
VSTDCCC050

Tot Ion: 94 Resp: 273668

Ion Ratio Lower Upper

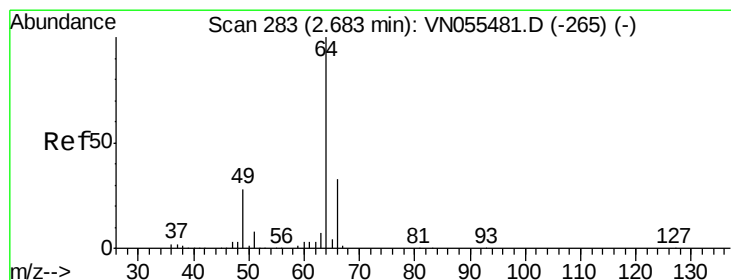
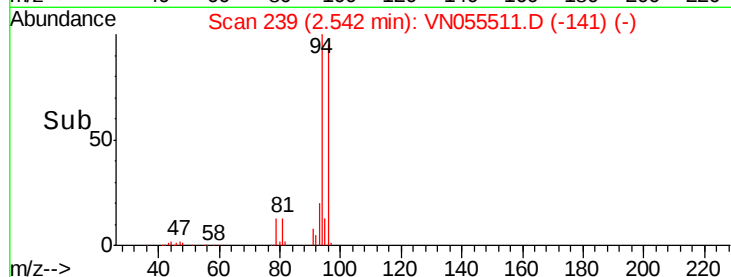
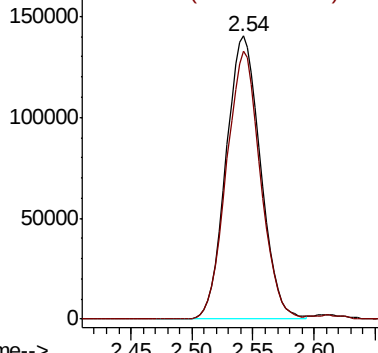
94 100

96 94.8 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.003 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN055511.D

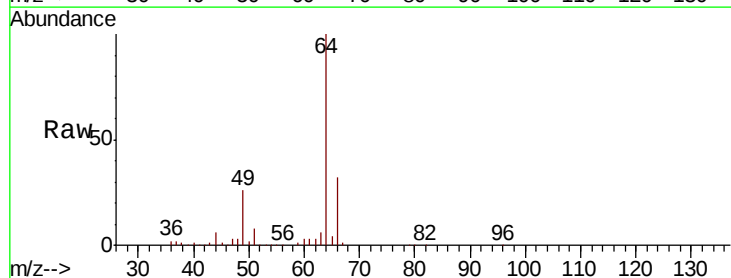
Acq: 9 May 2019 21:29

Tgt Ion: 64 Resp: 319050

Ion Ratio Lower Upper

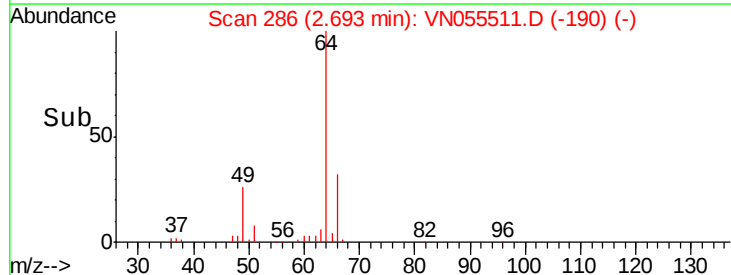
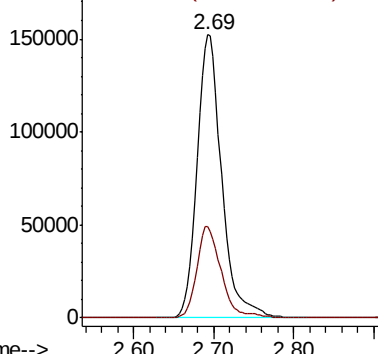
64 100

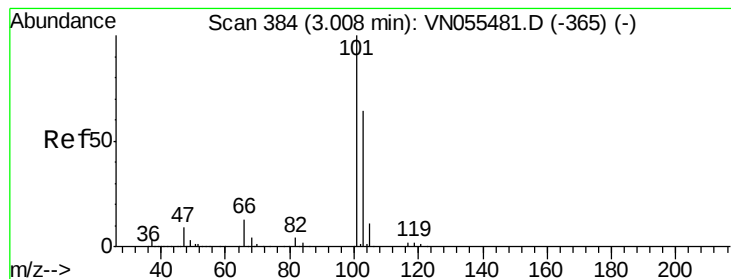
66 32.4 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



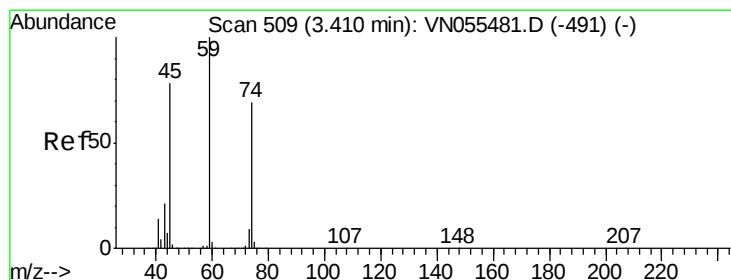
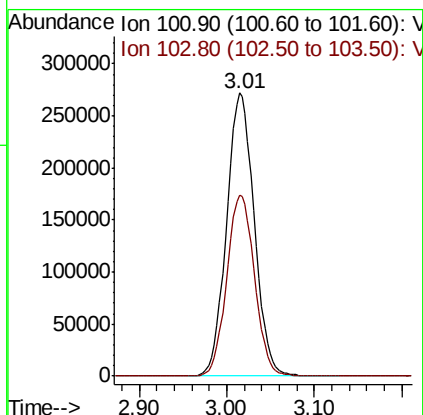
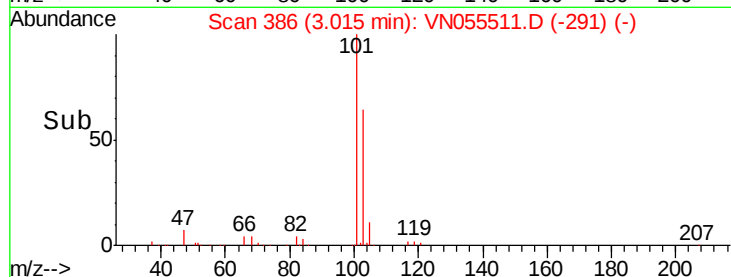
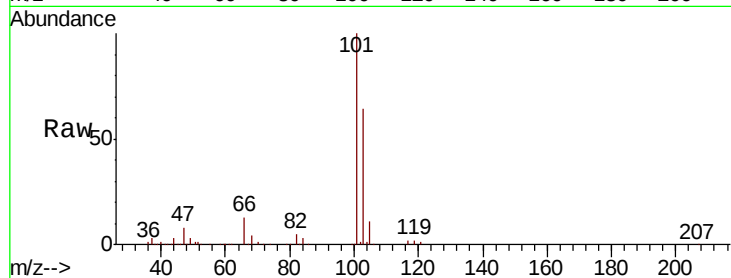


#7

Trichlorofluoromethane  
 Concen: 48.649 ug/l  
 RT: 3.01 min Scan# 386  
 Delta R.T. 0.01 min  
 Lab File: VN055511.D  
 Acq: 9 May 2019 21:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

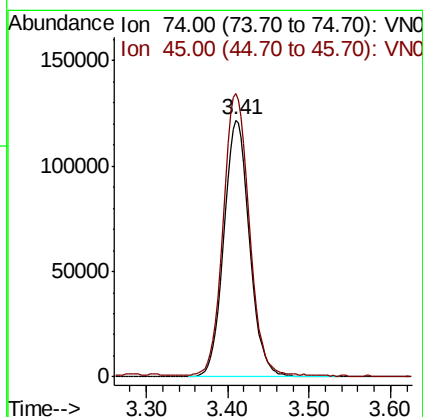
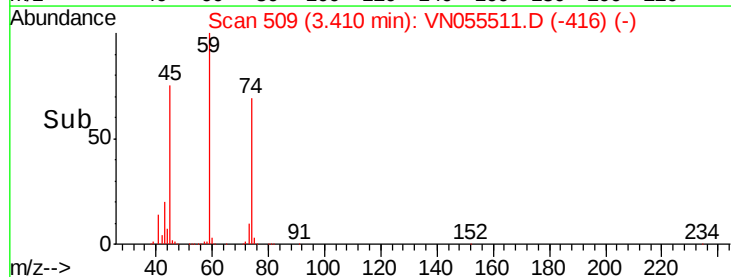
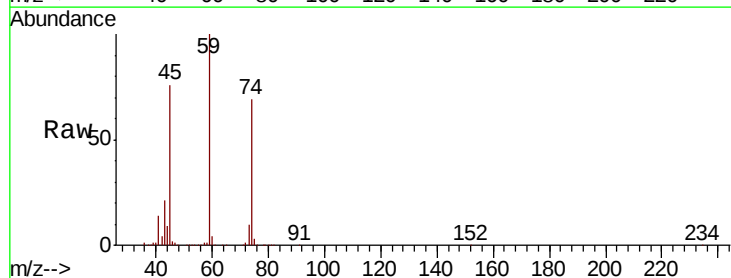
Tot Ion:101 Resp: 596559  
 Ion Ratio Lower Upper  
 101 100  
 103 63.9 51.2 76.8

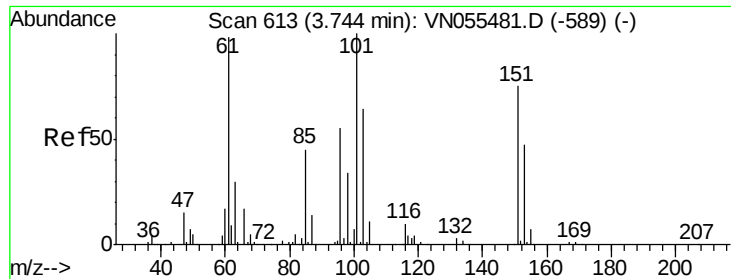


#8

Diethyl Ether  
 Concen: 49.222 ug/l  
 RT: 3.41 min Scan# 509  
 Delta R.T. 0.00 min  
 Lab File: VN055511.D  
 Acq: 9 May 2019 21:29

Tgt Ion: 74 Resp: 271071  
 Ion Ratio Lower Upper  
 74 100  
 45 111.3 58.1 174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.582 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.01 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

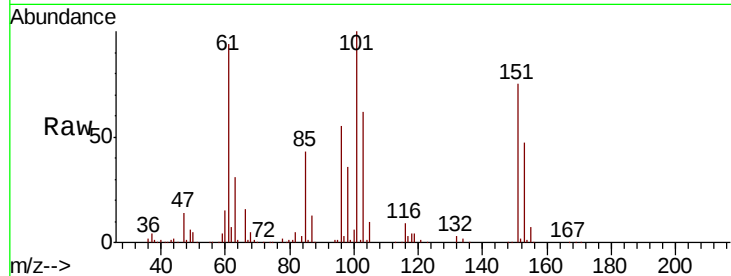
Tot Ion:101 Resp: 371224

Ion Ratio Lower Upper

101 100

85 44.6 35.5 53.3

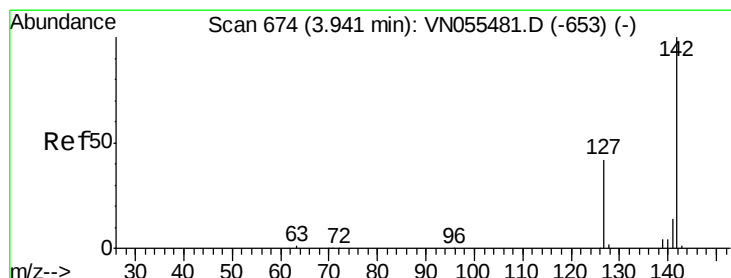
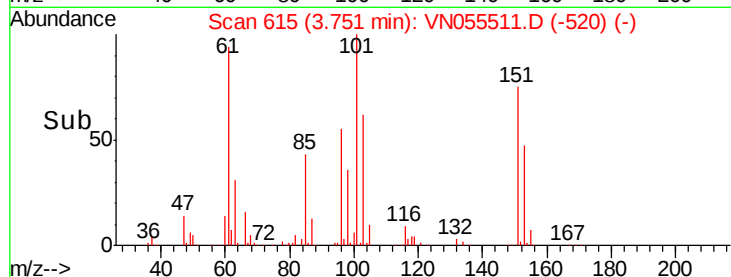
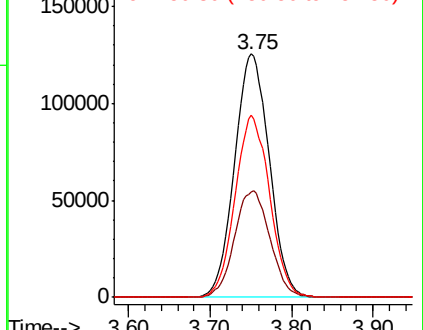
151 74.3 59.2 88.8



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: 42.416 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.01 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

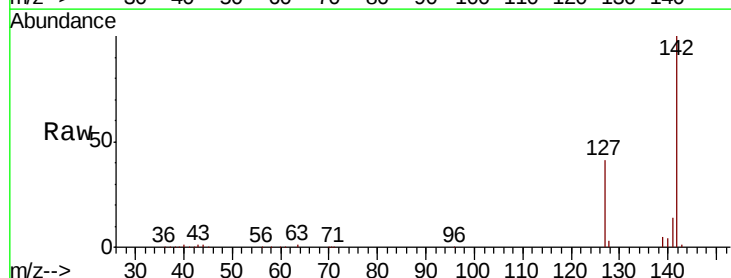
Tgt Ion:142 Resp: 447270

Ion Ratio Lower Upper

142 100

127 39.7 33.0 49.4

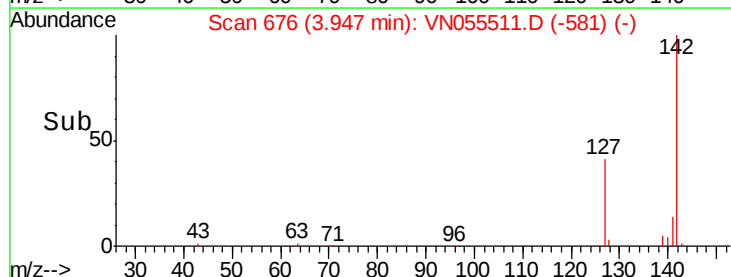
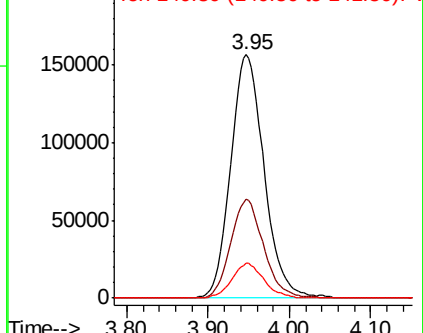
141 13.8 11.4 17.0

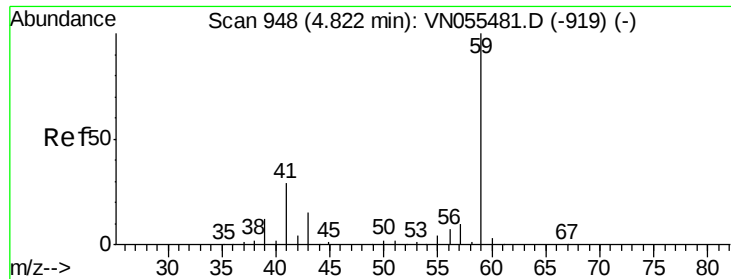


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

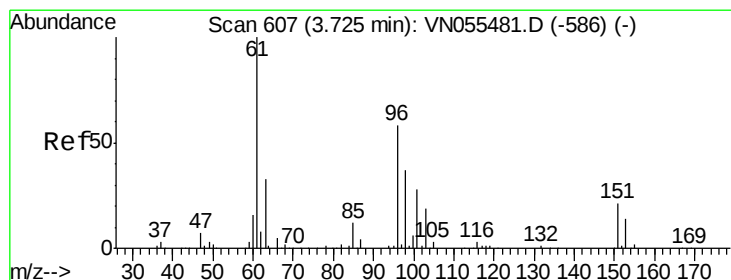
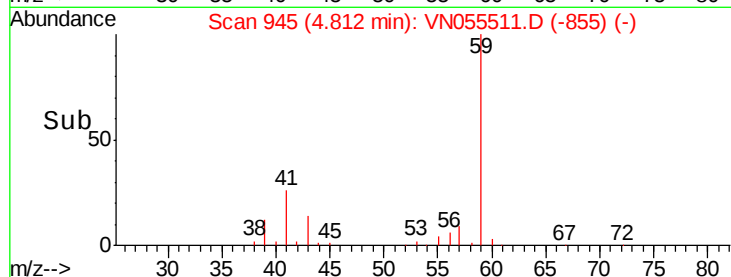
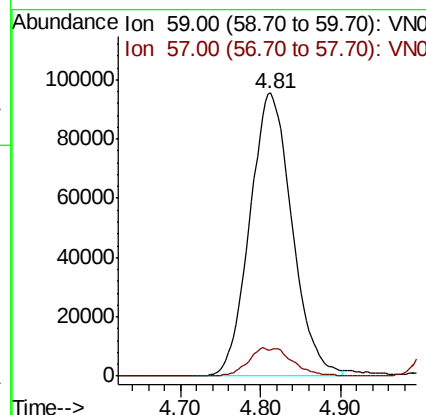
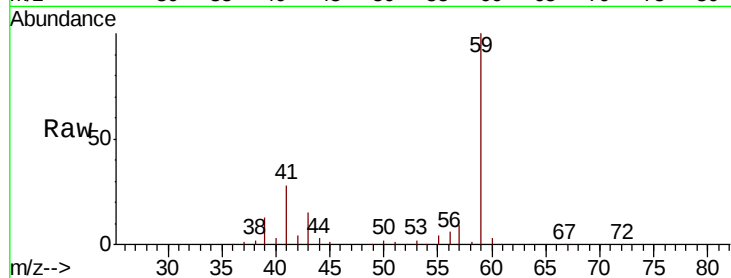




#11  
 Tert butyl alcohol  
 Concen: 216.817 ug/l  
 RT: 4.81 min Scan# 945  
 Delta R.T. -0.01 min  
 Lab File: VN055511.D  
 Acq: 9 May 2019 21:29

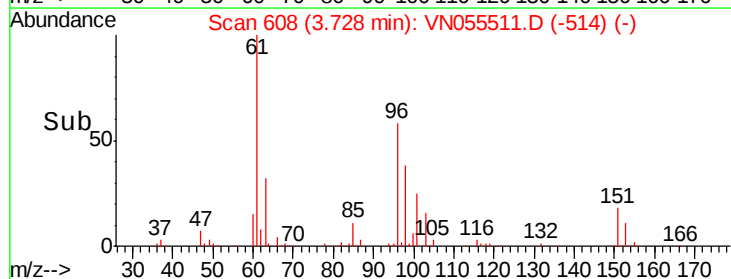
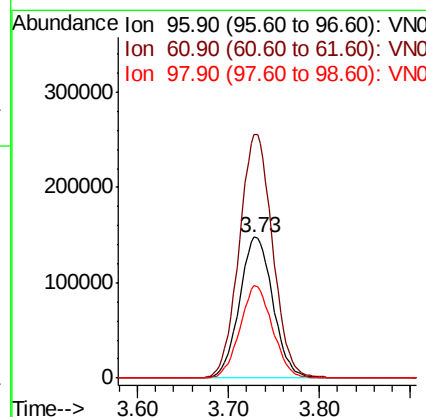
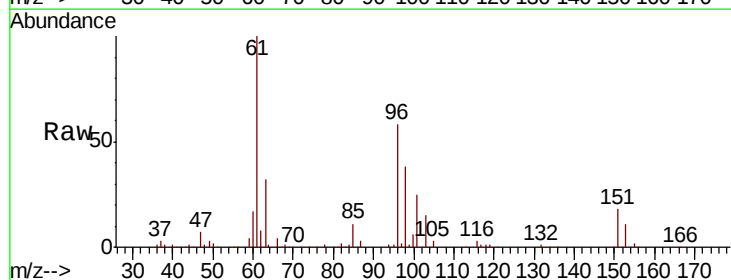
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

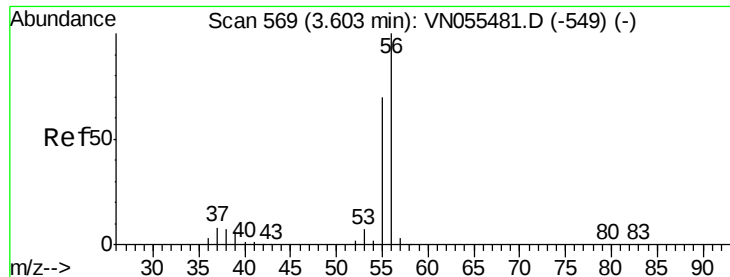
Tot Ion: 59 Resp: 345073  
 Ion Ratio Lower Upper  
 59 100  
 57 4.7 8.0 12.0#



#12  
 1,1-Dichloroethene  
 Concen: 48.186 ug/l  
 RT: 3.73 min Scan# 608  
 Delta R.T. 0.00 min  
 Lab File: VN055511.D  
 Acq: 9 May 2019 21:29

Tgt Ion: 96 Resp: 377023  
 Ion Ratio Lower Upper  
 96 100  
 61 172.9 138.7 208.1  
 98 65.4 50.6 76.0

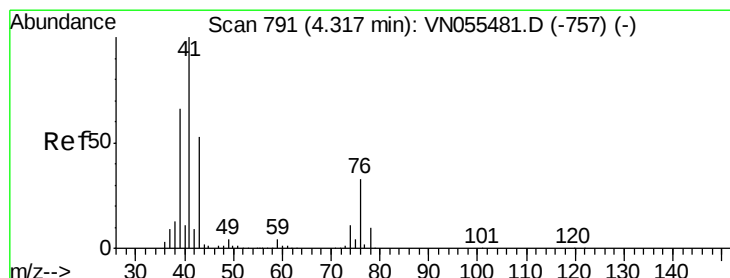
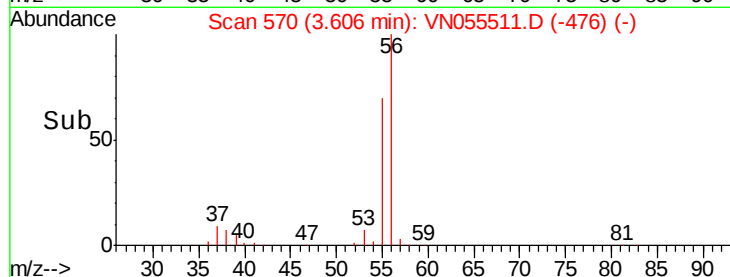
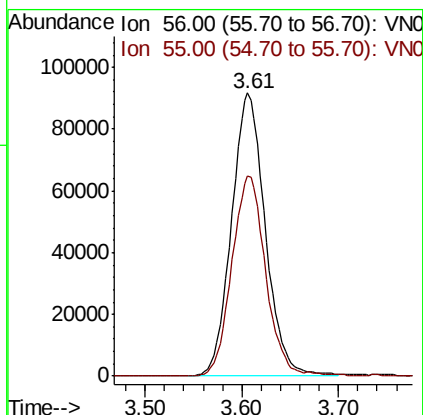
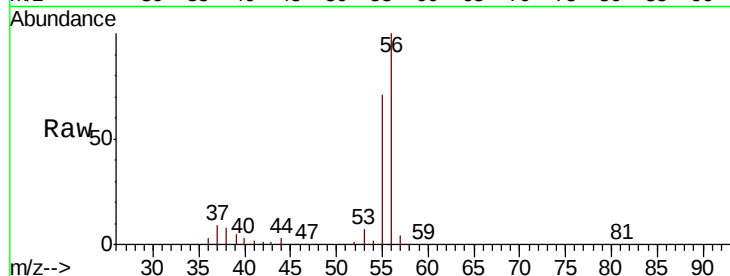




#13  
Acrolein  
Concen: 209.800 ug/l  
RT: 3.61 min Scan# 570  
Delta R.T. 0.00 min  
Lab File: VN055511.D  
Acq: 9 May 2019 21:29

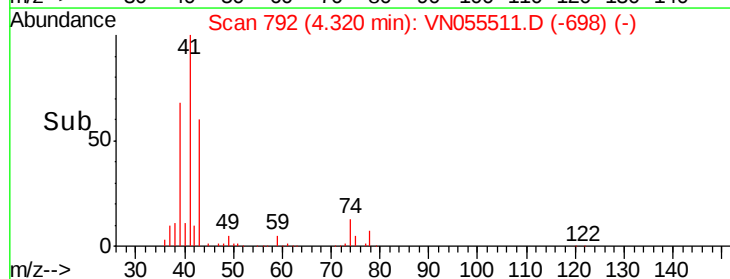
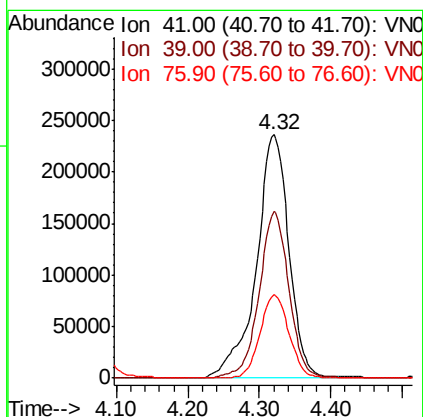
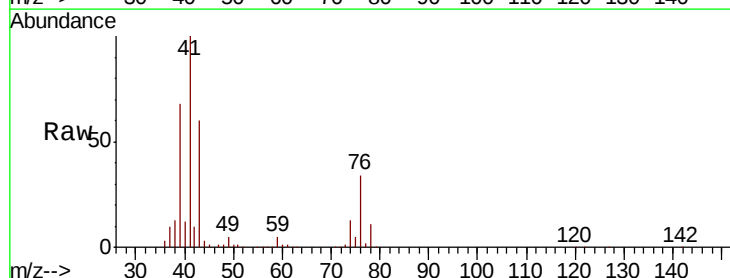
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

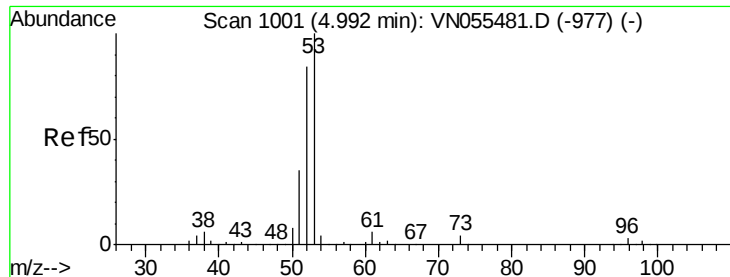
Tot Ion: 56 Resp: 222535  
Ion Ratio Lower Upper  
56 100  
55 70.8 57.7 86.5



#14  
Allyl chloride  
Concen: 46.656 ug/l  
RT: 4.32 min Scan# 792  
Delta R.T. 0.00 min  
Lab File: VN055511.D  
Acq: 9 May 2019 21:29

Tgt Ion: 41 Resp: 747799  
Ion Ratio Lower Upper  
41 100  
39 62.5 49.8 74.8  
76 30.3 23.5 35.3





#15

Acrylonitrile

Concen: 231.307 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

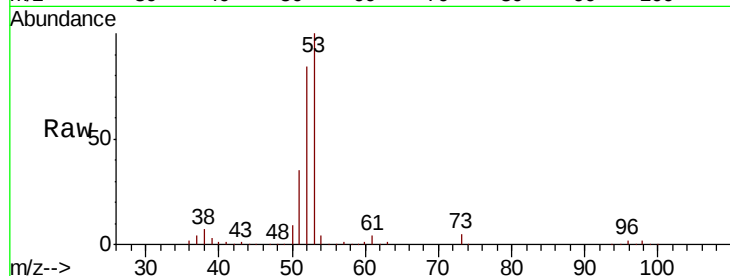
MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 1139915

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 83.2  | 66.1  | 99.1  |
| 51  | 35.7  | 28.3  | 42.5  |

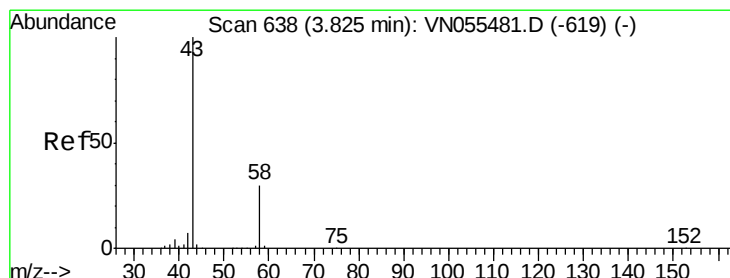
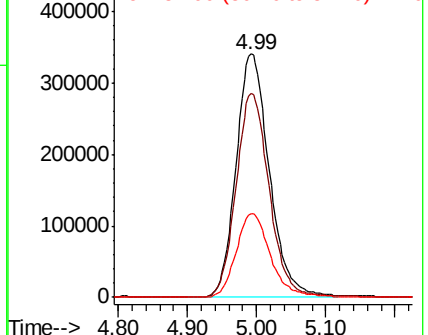
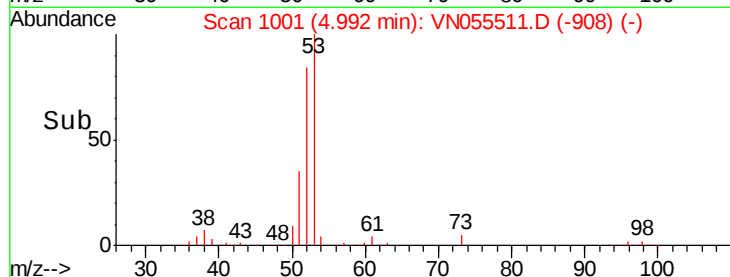


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 195.044 ug/l

RT: 3.82 min Scan# 638

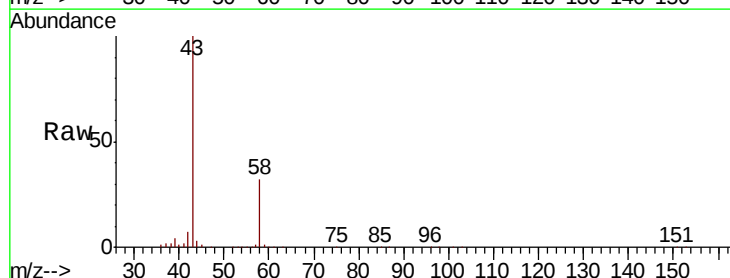
Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Tgt Ion: 43 Resp: 973468

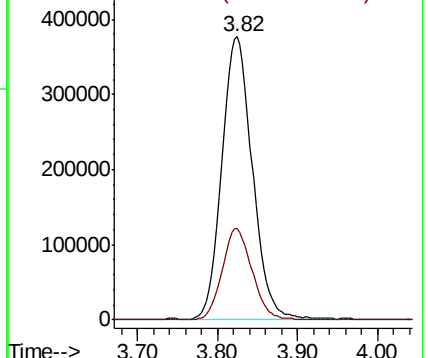
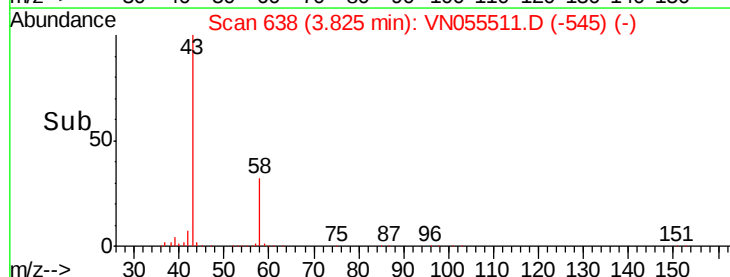
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 32.3  | 24.2  | 36.2  |

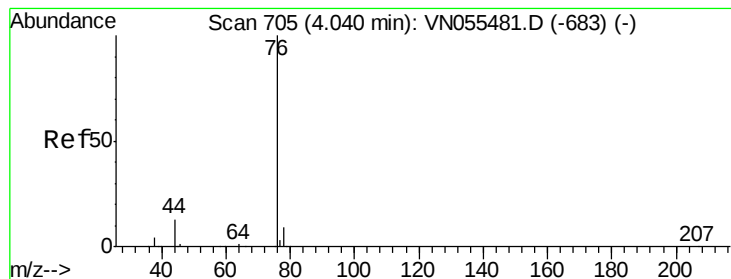


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 47.557 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA\_N

ClientSampleId :

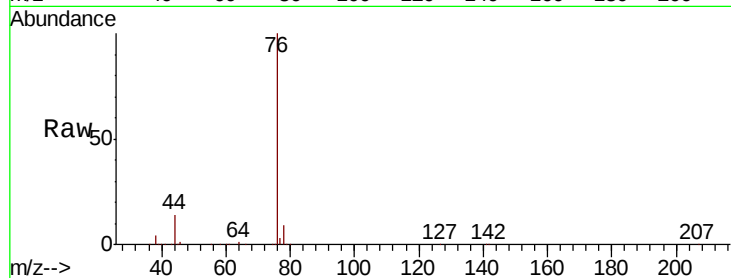
VSTDCCC050

Tot Ion: 76 Resp: 1015582

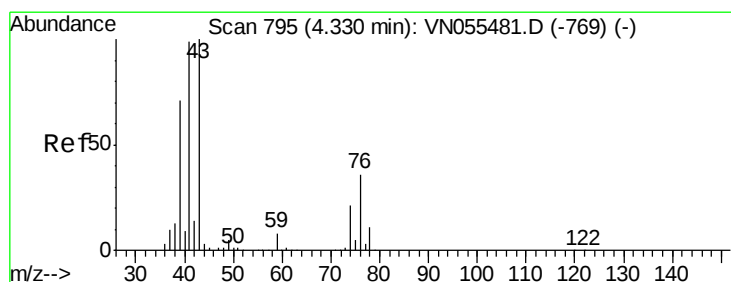
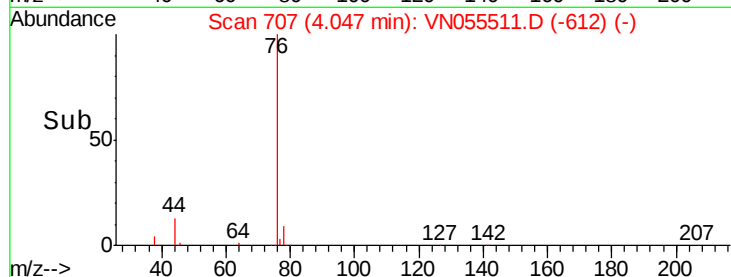
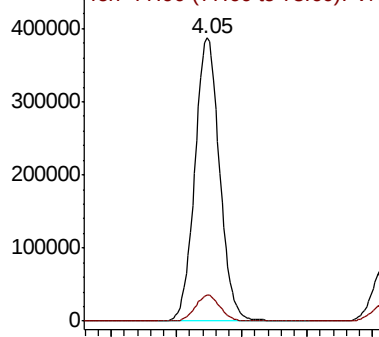
Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VNO  
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 45.212 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055511.D

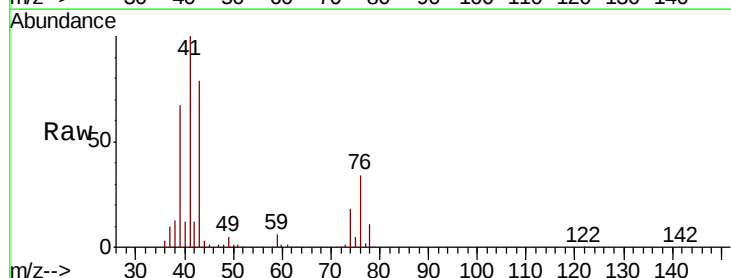
Acq: 9 May 2019 21:29

Tgt Ion: 43 Resp: 474647

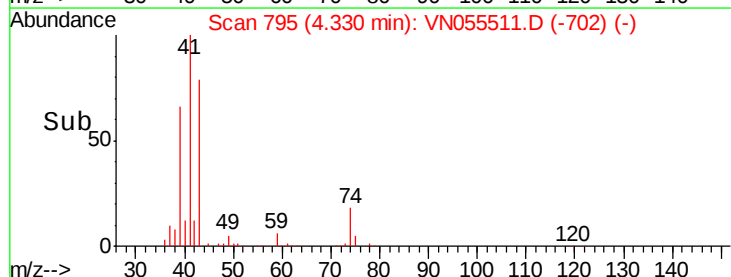
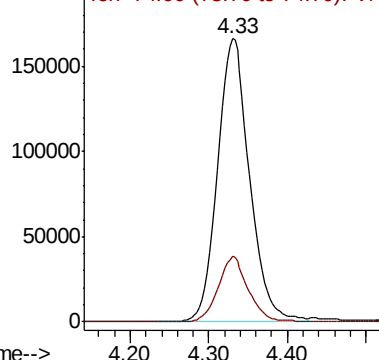
Ion Ratio Lower Upper

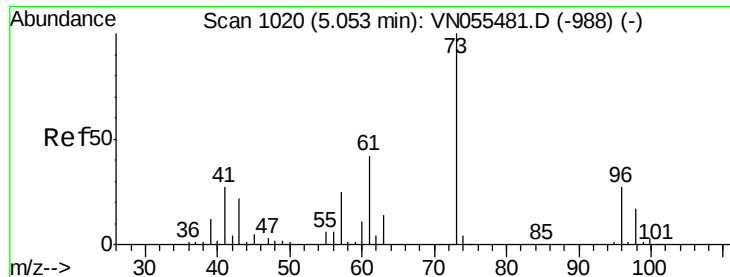
43 100

74 21.9 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VNO  
Ion 74.00 (73.70 to 74.70): VNO

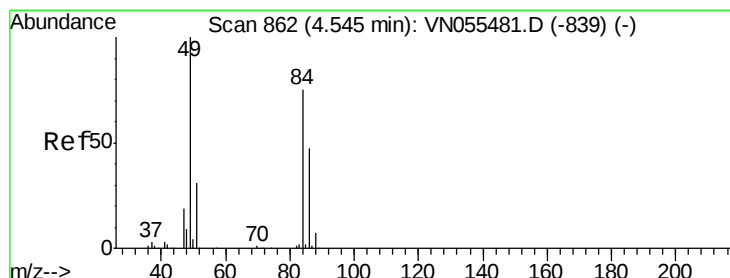
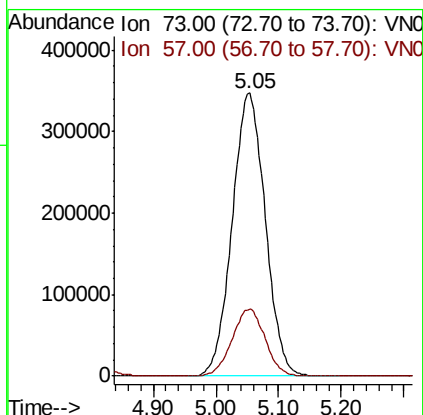
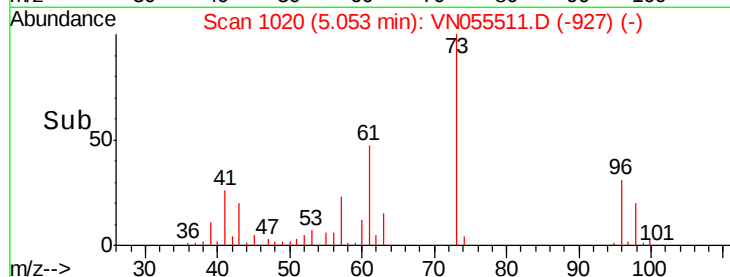
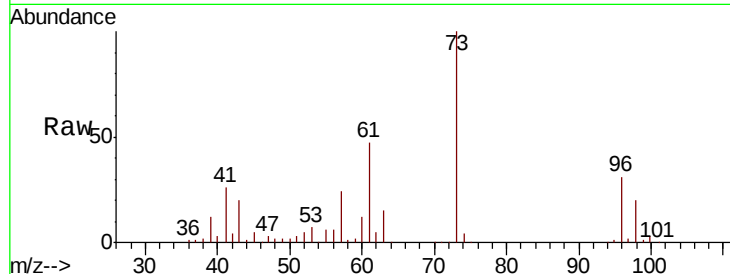




#19  
Methyl tert-butyl Ether  
Concen: 48.882 ug/l  
RT: 5.05 min Scan# 1020  
Delta R.T. 0.00 min  
Lab File: VN055511.D  
Acq: 9 May 2019 21:29

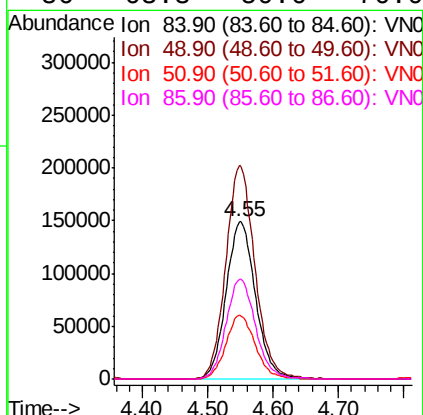
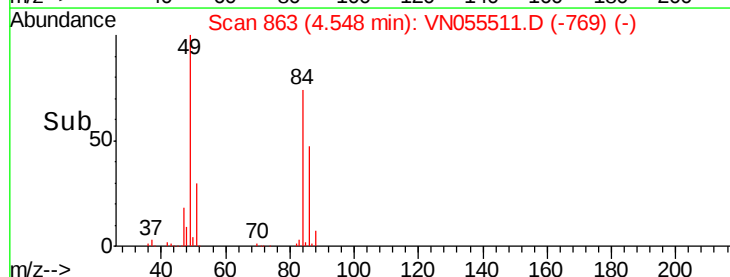
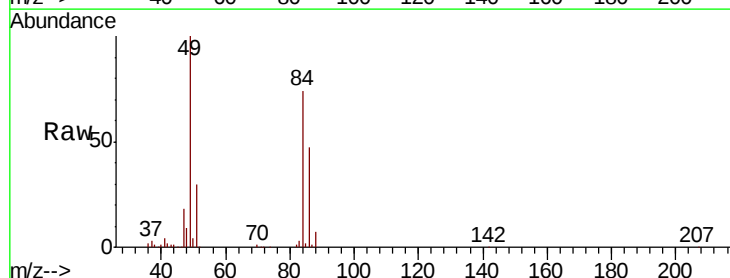
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

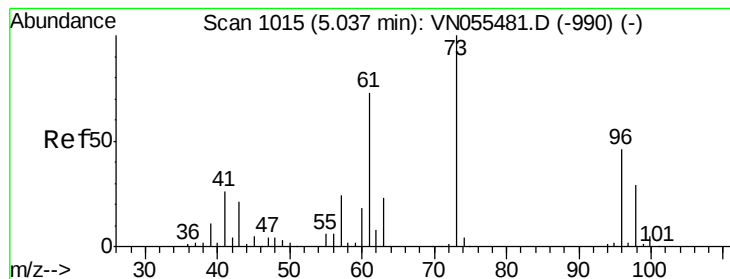
Tot Ion: 73 Resp: 1270888  
Ion Ratio Lower Upper  
73 100  
57 23.6 20.0 30.0



#20  
Methylene Chloride  
Concen: 45.481 ug/l  
RT: 4.55 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: VN055511.D  
Acq: 9 May 2019 21:29

Tgt Ion: 84 Resp: 464174  
Ion Ratio Lower Upper  
84 100  
49 136.0 107.0 160.6  
51 40.5 33.0 49.4  
86 63.3 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 48.832 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

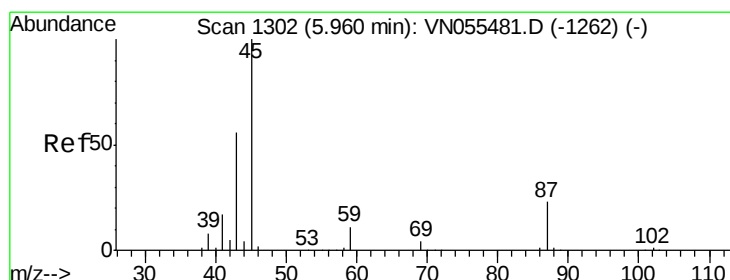
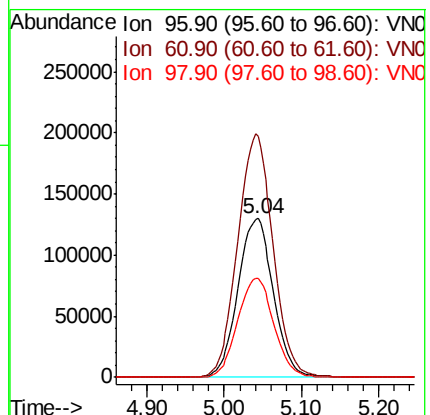
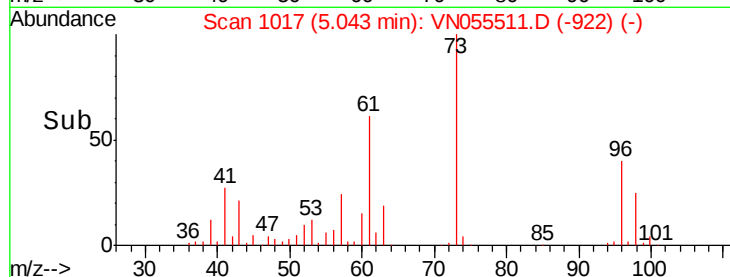
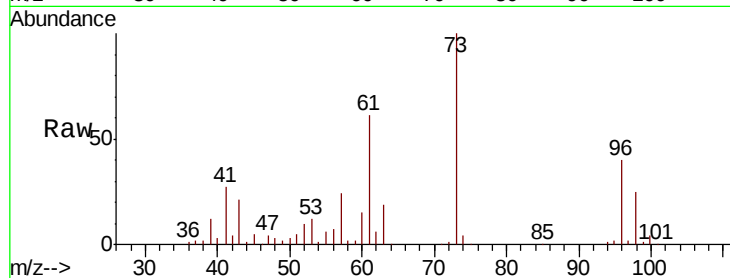
Tot Ion: 96 Resp: 414251

Ion Ratio Lower Upper

96 100

61 151.6 127.4 191.0

98 61.9 51.6 77.4



#22

Diisopropyl ether

Concen: 48.964 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Tgt Ion: 45 Resp: 1594790

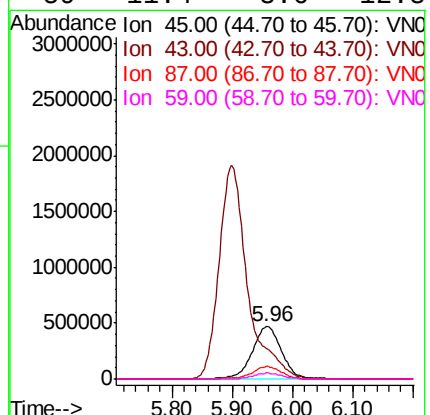
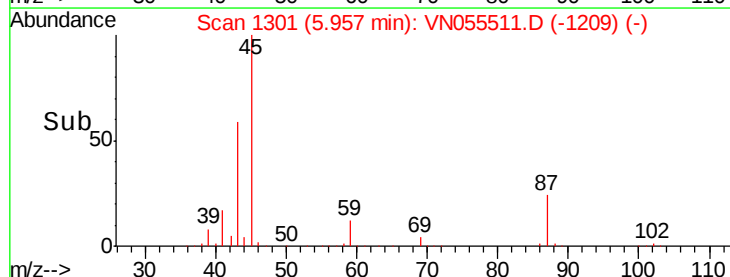
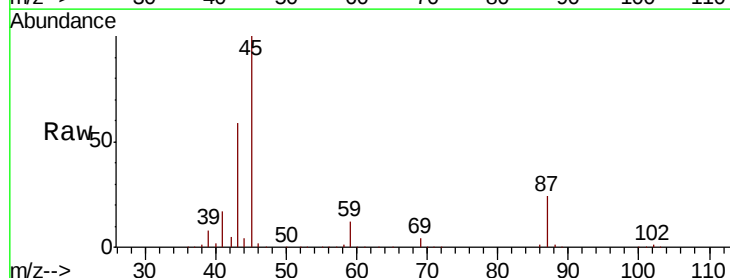
Ion Ratio Lower Upper

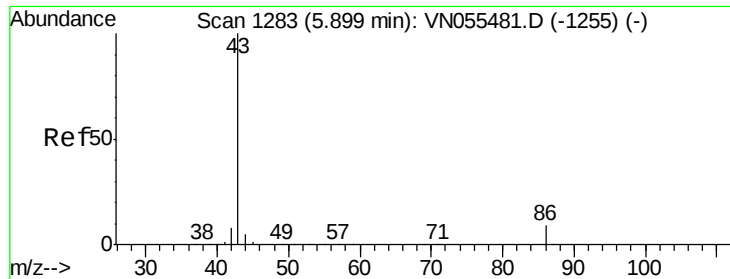
45 100

43 58.6 44.6 66.8

87 23.5 18.6 28.0

59 11.4 8.6 12.8

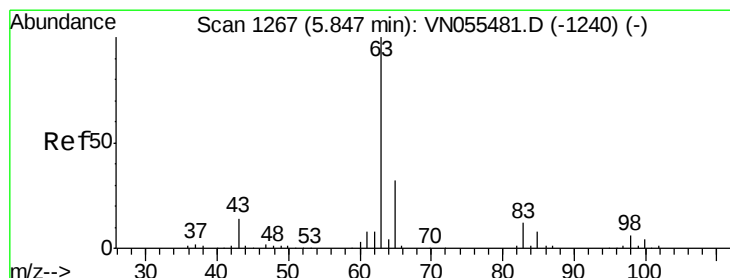
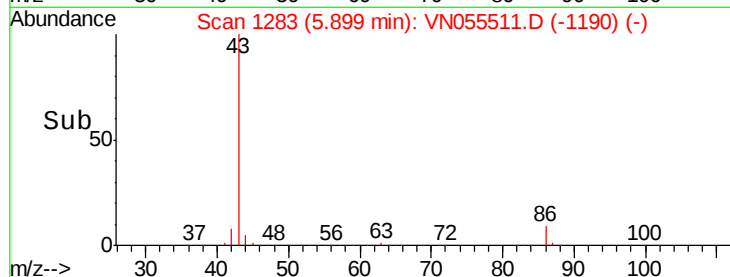
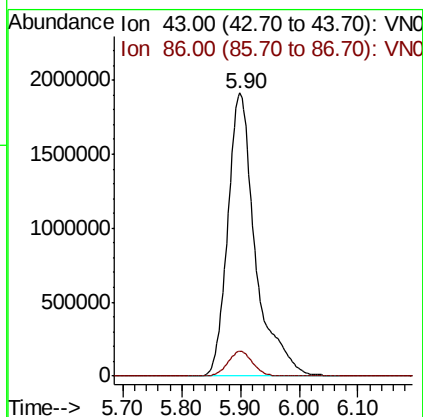
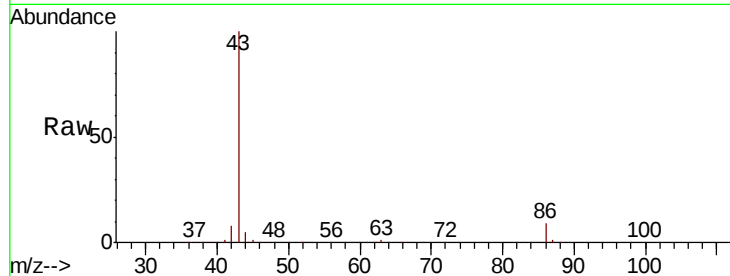




#23  
 Vinyl Acetate  
 Concen: 248.941 ug/l  
 RT: 5.90 min Scan# 1283  
 Delta R.T. 0.00 min  
 Lab File: VN055511.D  
 Acq: 9 May 2019 21:29

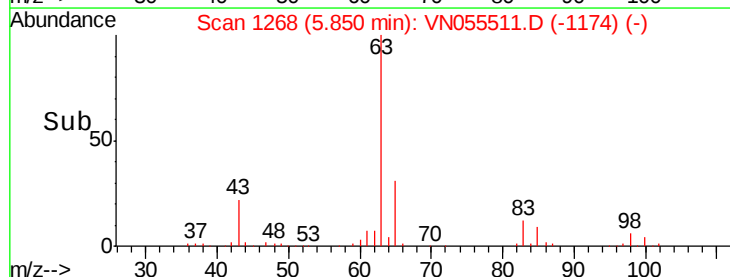
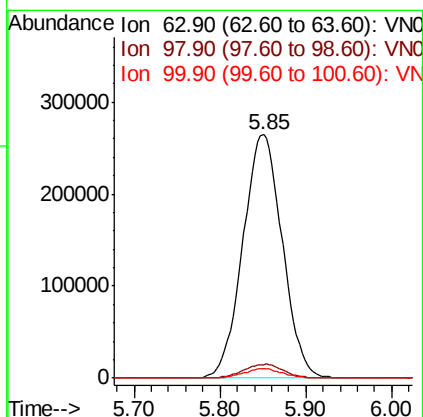
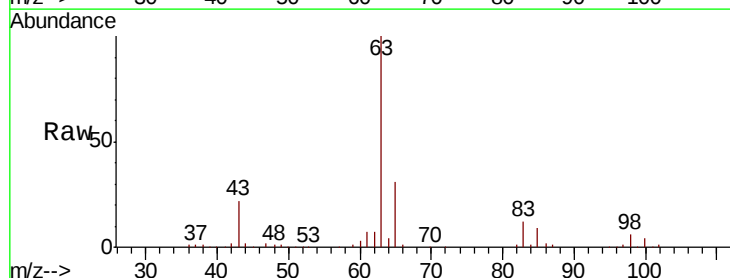
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 43 Resp: 6270484  
 Ion Ratio Lower Upper  
 43 100  
 86 8.9 7.1 10.7



#24  
 1,1-Dichloroethane  
 Concen: 48.043 ug/l  
 RT: 5.85 min Scan# 1268  
 Delta R.T. 0.00 min  
 Lab File: VN055511.D  
 Acq: 9 May 2019 21:29

Tgt Ion: 63 Resp: 844705  
 Ion Ratio Lower Upper  
 63 100  
 98 5.7 3.0 9.0  
 100 3.9 1.9 5.7





#25

2-Butanone

Concen: 224.391 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA\_N

ClientSampleId :

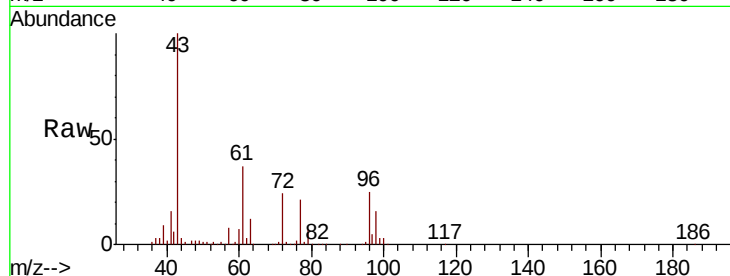
VSTDCCC050

Tot Ion: 43 Resp: 1547060

Ion Ratio Lower Upper

43 100

72 23.9 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

500000

400000

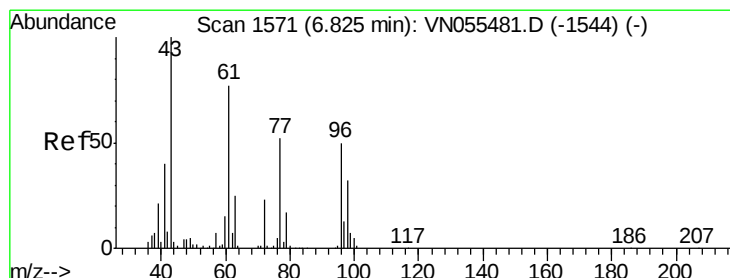
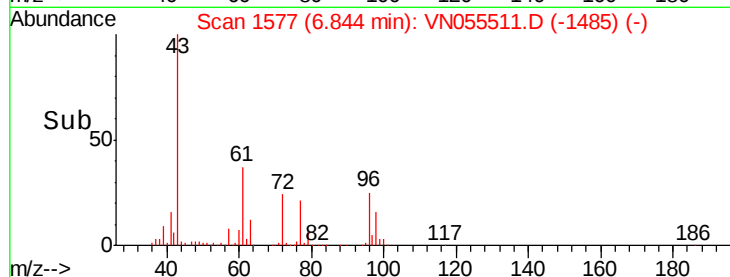
300000

200000

100000

0

Time--> 6.70 6.80 6.90



#26

2,2-Dichloropropane

Concen: 47.084 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055511.D

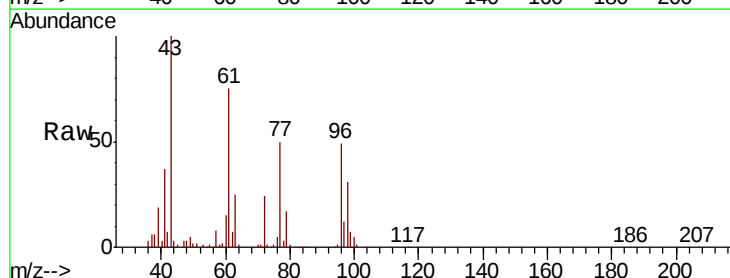
Acq: 9 May 2019 21:29

Tgt Ion: 77 Resp: 516060

Ion Ratio Lower Upper

77 100

97 23.7 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

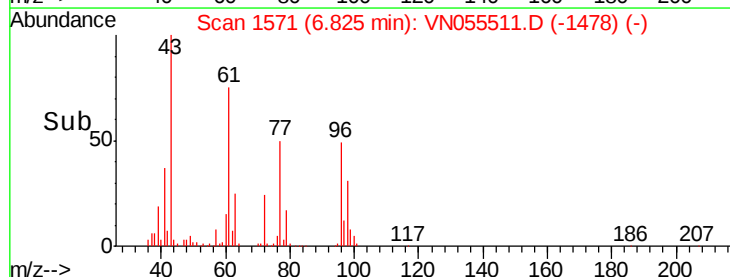
150000

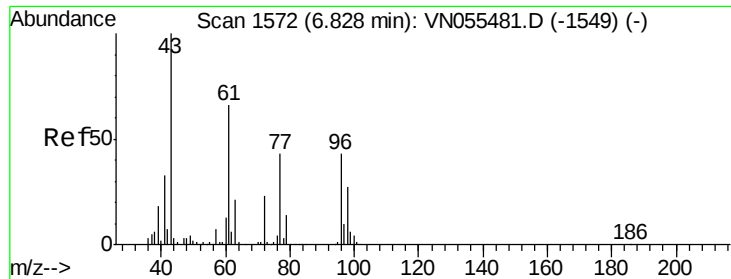
100000

50000

0

Time--> 6.70 6.80 6.90 7.00

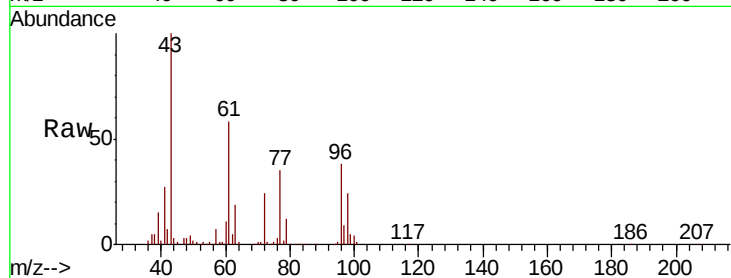




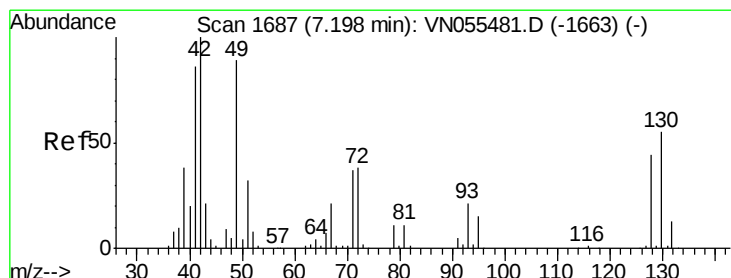
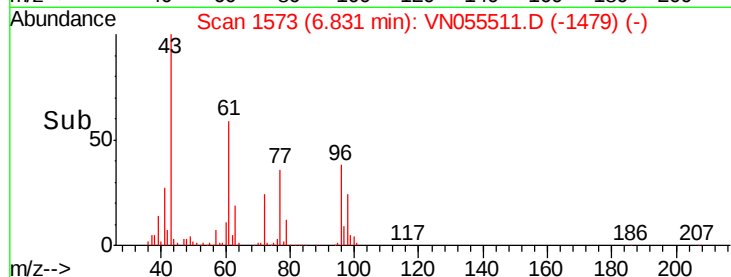
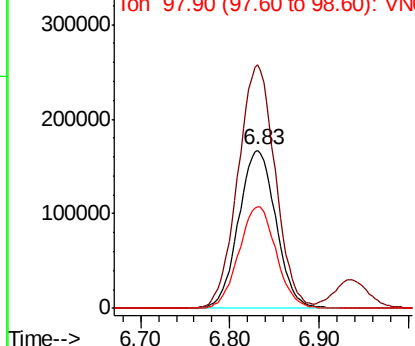
#27  
 cis-1,2-Dichloroethene  
 Concen: 49.386 ug/l  
 RT: 6.83 min Scan# 1573  
 Delta R.T. 0.00 min  
 Lab File: VN055511.D  
 Acq: 9 May 2019 21:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 96 Resp: 484181  
 Ion Ratio Lower Upper  
 96 100  
 61 154.3 0.0 310.8  
 98 64.1 0.0 129.4

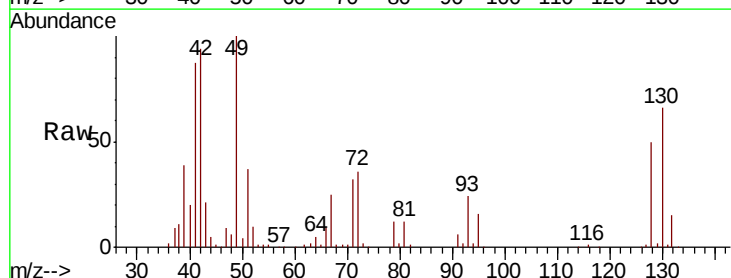


Abundance Ion 95.90 (95.60 to 96.60): VN0  
 Ion 60.90 (60.60 to 61.60): VN0  
 Ion 97.90 (97.60 to 98.60): VN0

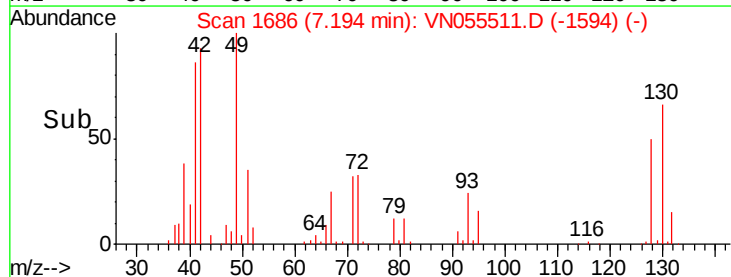
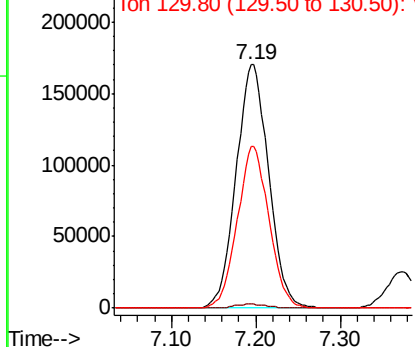


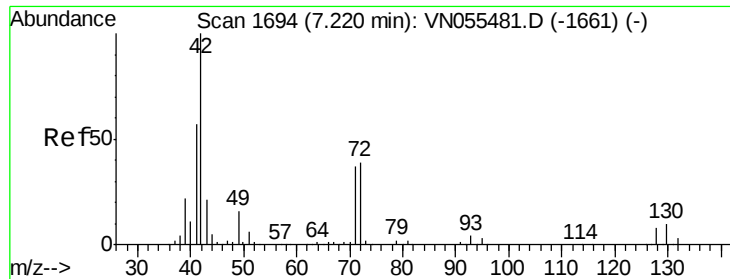
#28  
 Bromochloromethane  
 Concen: 50.092 ug/l  
 RT: 7.19 min Scan# 1686  
 Delta R.T. -0.00 min  
 Lab File: VN055511.D  
 Acq: 9 May 2019 21:29

Tgt Ion: 49 Resp: 457375  
 Ion Ratio Lower Upper  
 49 100  
 129 1.6 0.0 3.2  
 130 64.8 49.5 74.3



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

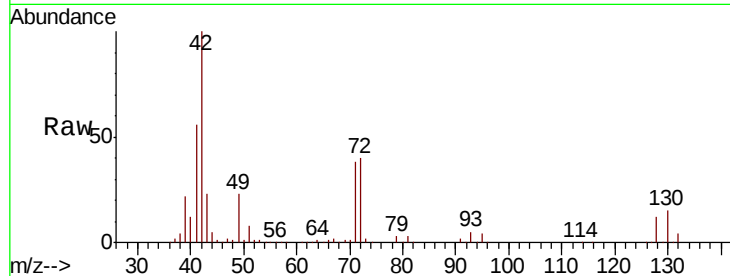




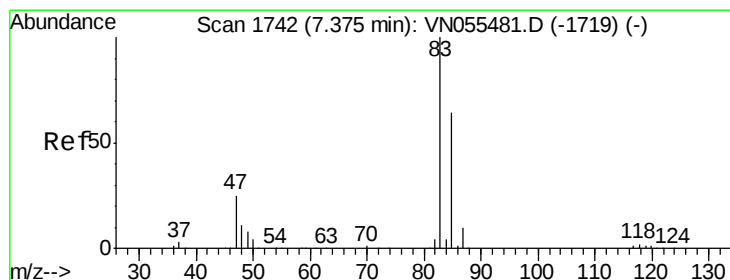
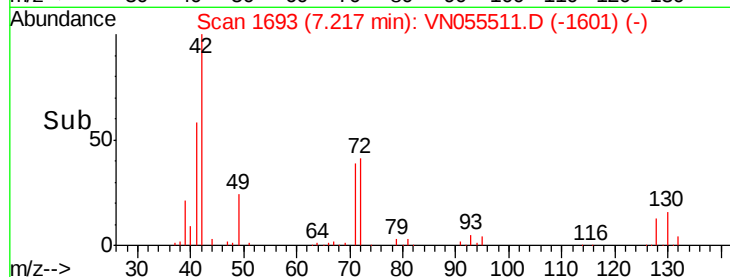
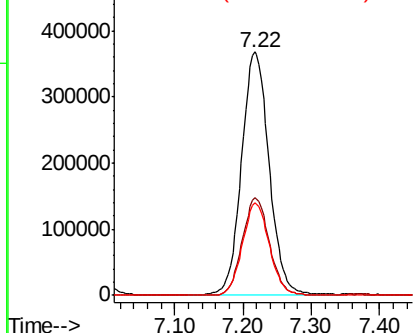
#29  
Tetrahydrofuran  
Concen: 226.618 ug/l  
RT: 7.22 min Scan# 1693  
Delta R.T. -0.00 min  
Lab File: VN055511.D  
Acq: 9 May 2019 21:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 42 Resp: 1032885  
Ion Ratio Lower Upper  
42 100  
72 39.4 31.0 46.6  
71 37.2 29.4 44.2

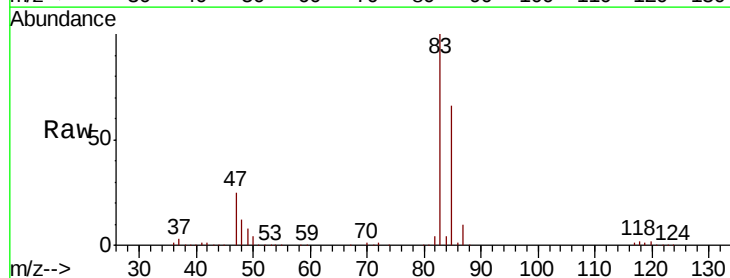


Abundance Ion 42.00 (41.70 to 42.70): VN0  
Ion 72.00 (71.70 to 72.70): VN0  
Ion 71.00 (70.70 to 71.70): VN0

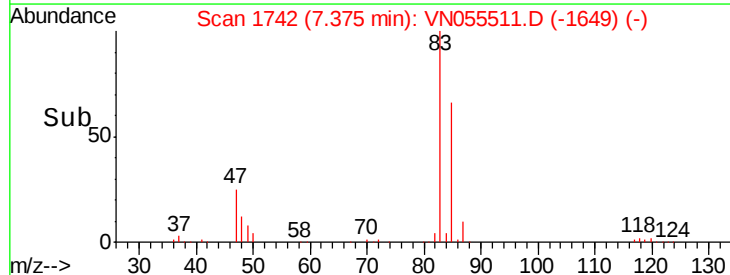
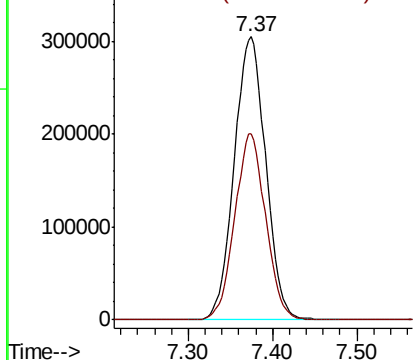


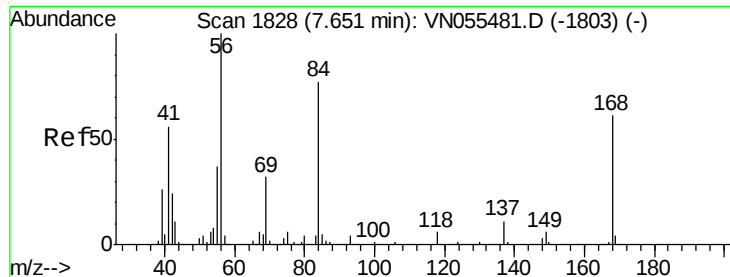
#30  
Chloroform  
Concen: 48.869 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VN055511.D  
Acq: 9 May 2019 21:29

Tgt Ion: 83 Resp: 794302  
Ion Ratio Lower Upper  
83 100  
85 65.8 51.3 76.9



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

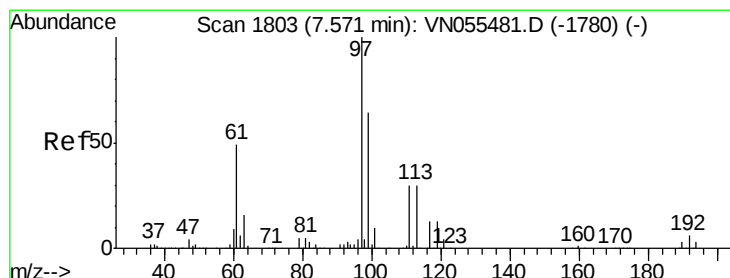
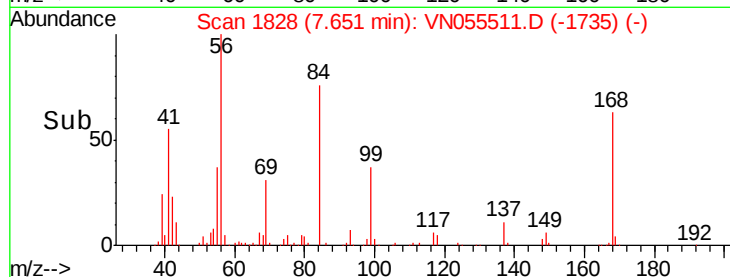
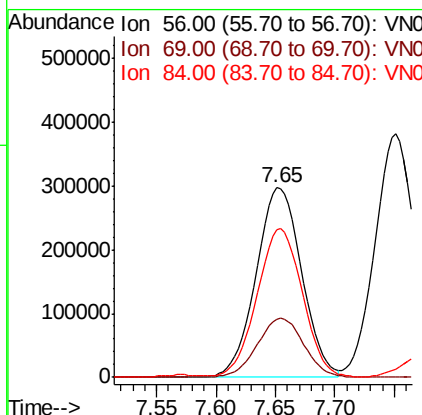
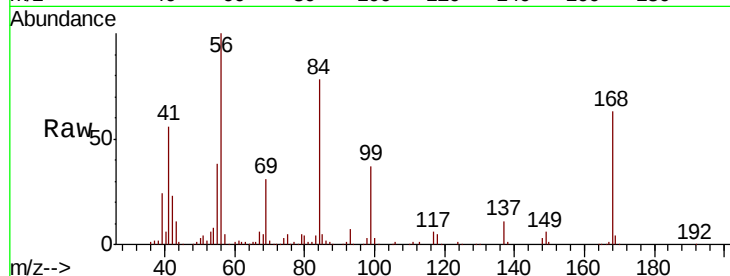




#31  
Cyclohexane  
Concen: 45.390 ug/l  
RT: 7.65 min Scan# 1828  
Delta R.T. 0.00 min  
Lab File: VN055511.D  
Acq: 9 May 2019 21:29

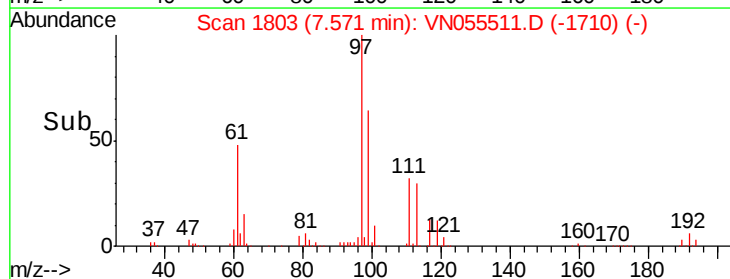
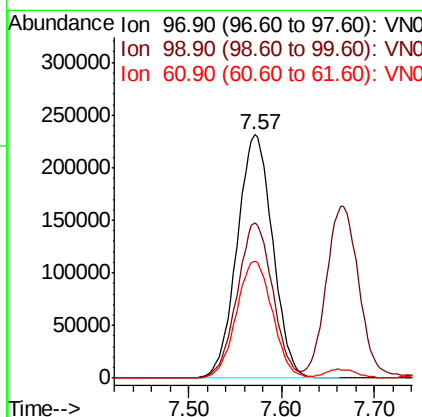
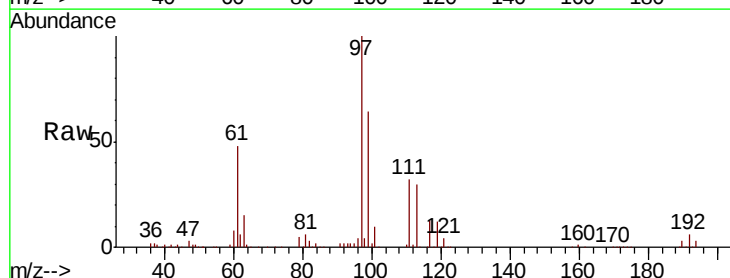
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

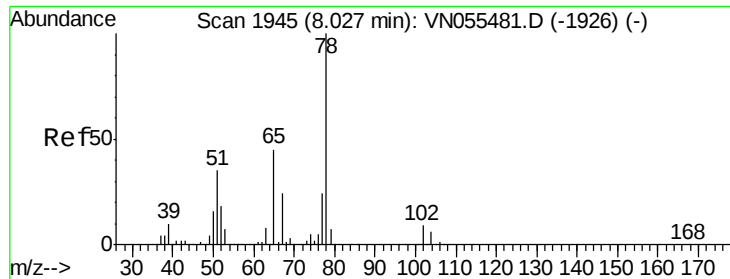
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 30.7  | 26.0  | 39.0  |
| 84      | 76.9  | 61.9  | 92.9  |



#32  
1,1,1-Trichloroethane  
Concen: 49.747 ug/l  
RT: 7.57 min Scan# 1803  
Delta R.T. 0.00 min  
Lab File: VN055511.D  
Acq: 9 May 2019 21:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.8  | 51.2  | 76.8  |
| 61      | 48.5  | 39.2  | 58.8  |

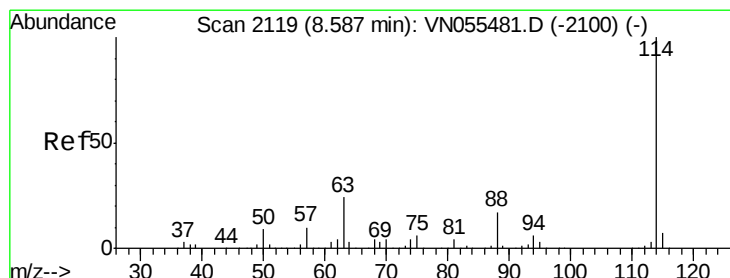
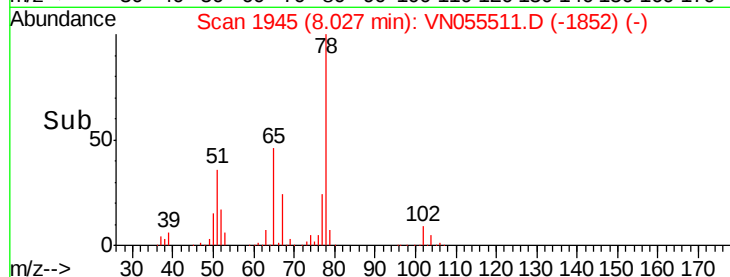
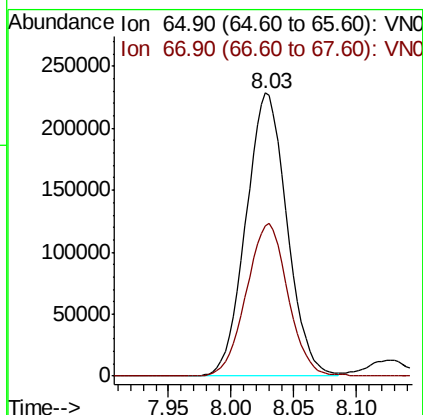
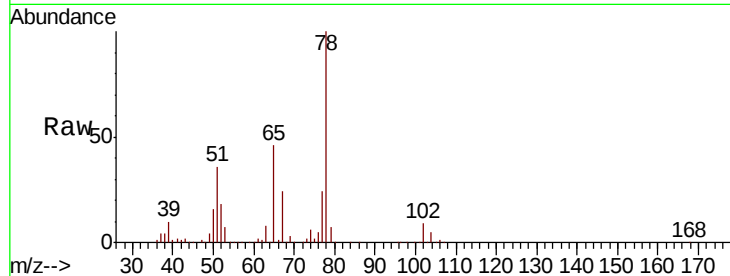




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.315 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN055511.D  
 Acq: 9 May 2019 21:29

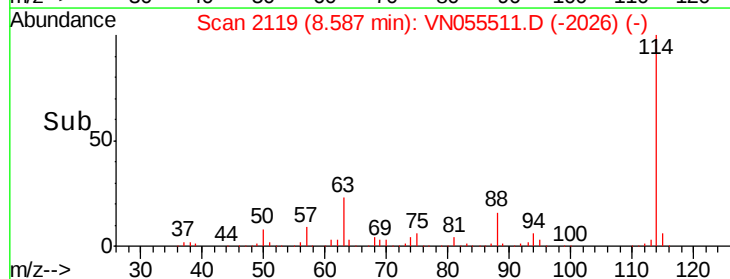
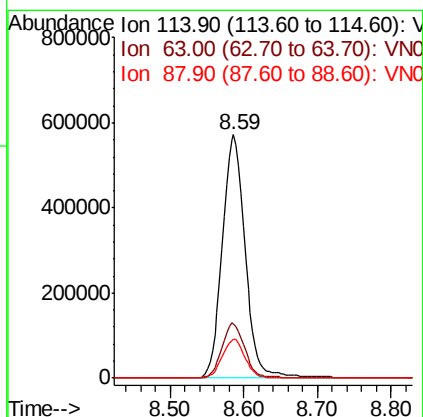
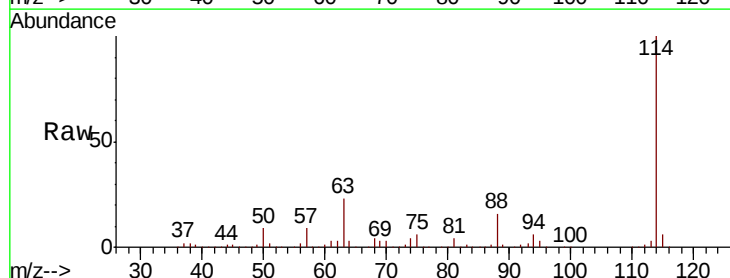
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

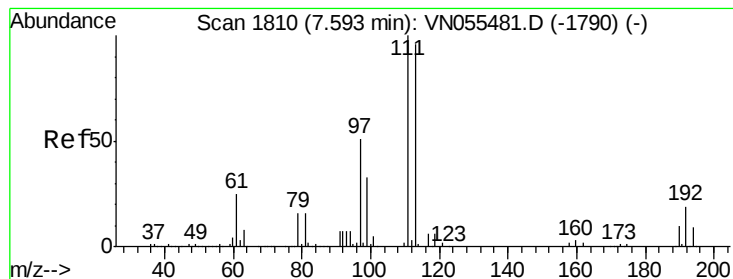
Tot Ion: 65 Resp: 520793  
 Ion Ratio Lower Upper  
 65 100  
 67 54.7 0.0 109.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN055511.D  
 Acq: 9 May 2019 21:29

Tgt Ion: 114 Resp: 1239631  
 Ion Ratio Lower Upper  
 114 100  
 63 22.5 0.0 47.4  
 88 16.1 0.0 34.0





#35

Dibromofluoromethane

Concen: 50.554 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

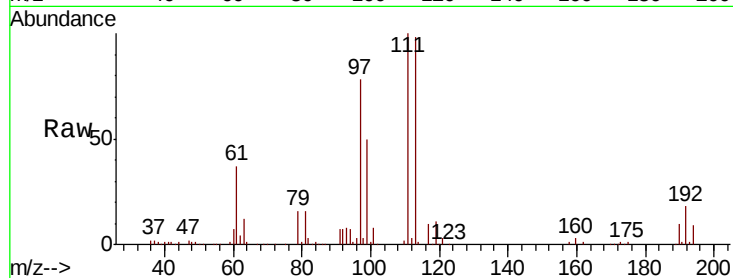
Tot Ion:113 Resp: 404258

Ion Ratio Lower Upper

113 100

111 104.1 82.9 124.3

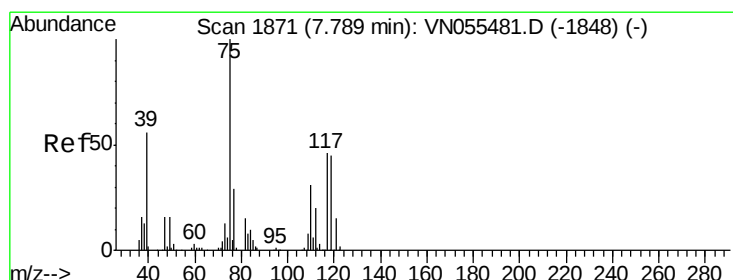
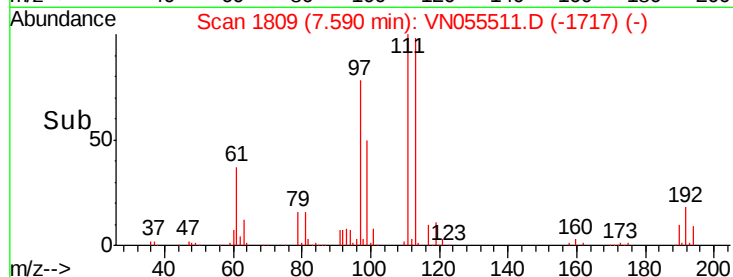
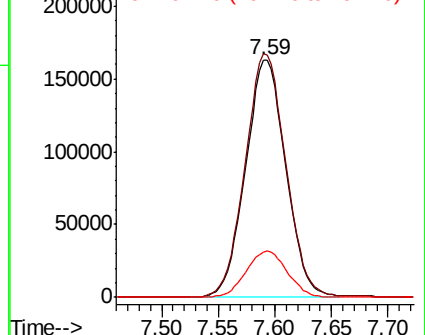
192 20.0 15.6 23.4



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: 49.557 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

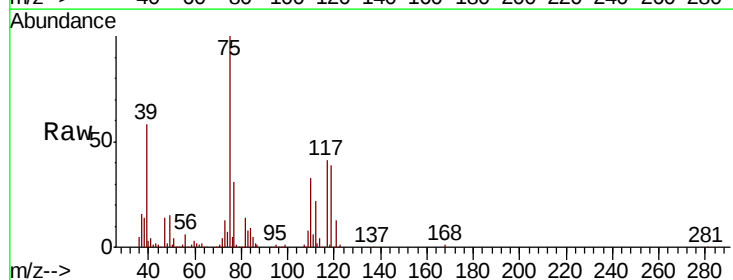
Tgt Ion: 75 Resp: 605211

Ion Ratio Lower Upper

75 100

110 33.1 16.1 48.3

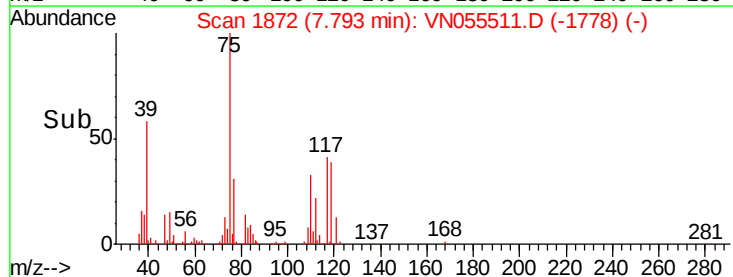
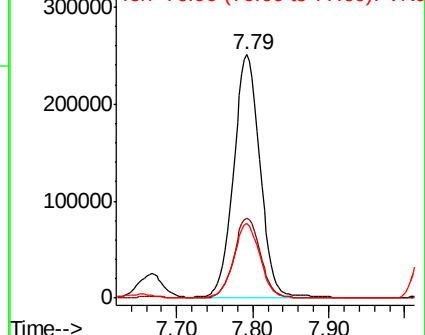
77 30.8 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

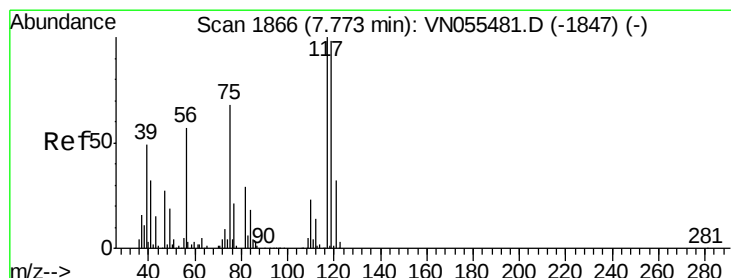
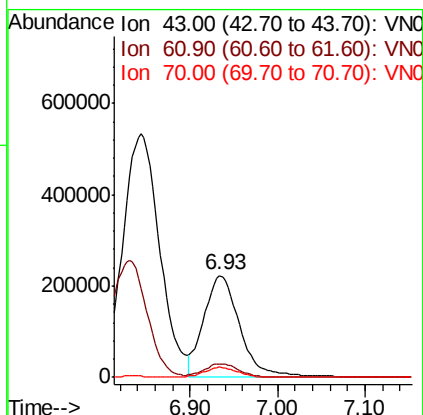
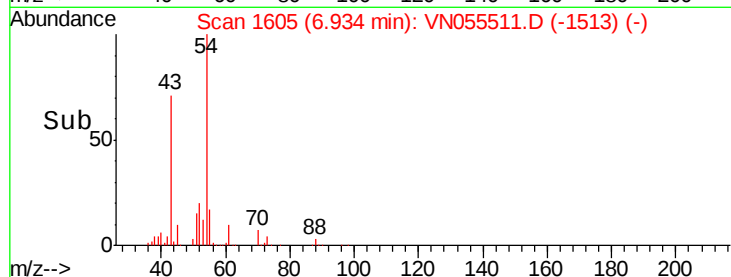
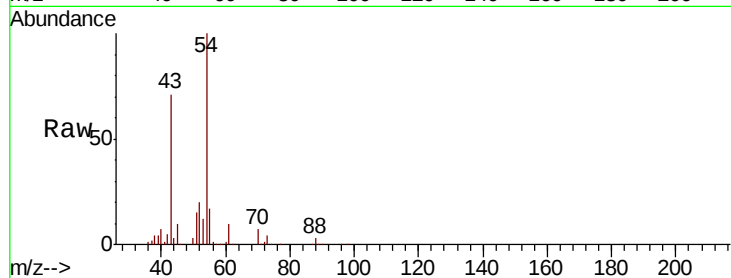




#37  
Ethyl Acetate  
Concen: 47.083 ug/l  
RT: 6.93 min Scan# 1605  
Delta R.T. -0.00 min  
Lab File: VN055511.D  
Acq: 9 May 2019 21:29

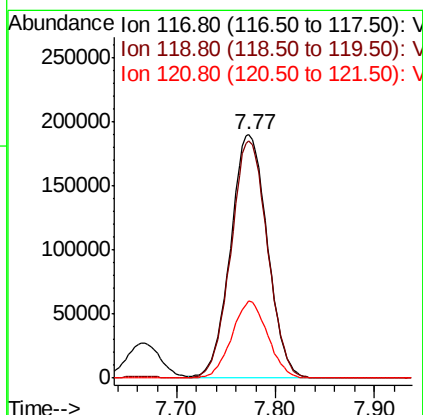
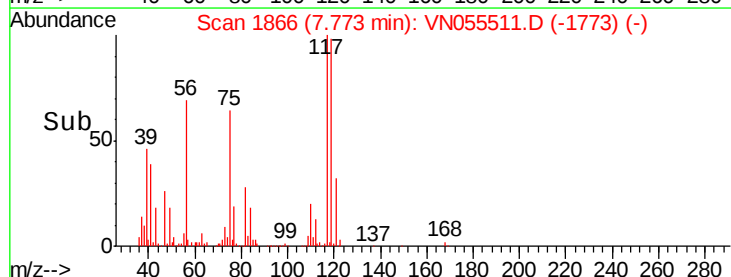
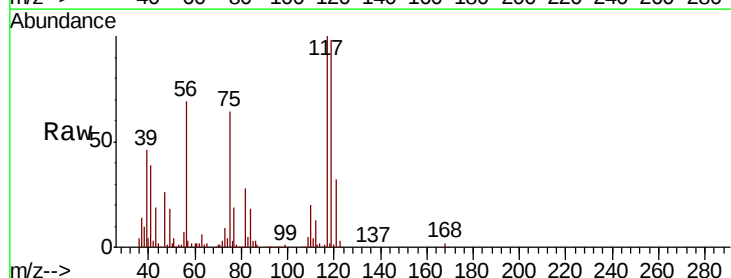
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

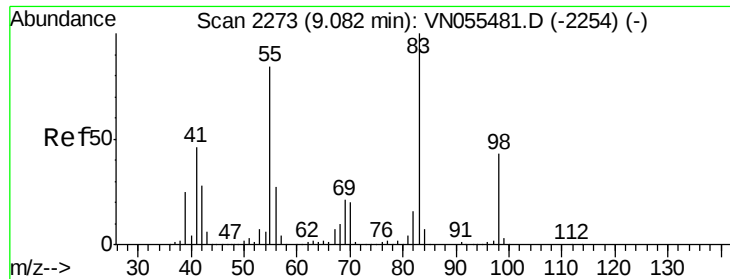
Tot Ion: 43 Resp: 627229  
Ion Ratio Lower Upper  
43 100  
61 13.1 10.9 16.3  
70 9.5 7.0 10.6



#38  
Carbon Tetrachloride  
Concen: 47.993 ug/l  
RT: 7.77 min Scan# 1866  
Delta R.T. 0.00 min  
Lab File: VN055511.D  
Acq: 9 May 2019 21:29

Tgt Ion: 117 Resp: 493537  
Ion Ratio Lower Upper  
117 100  
119 97.7 77.8 116.6  
121 31.6 25.2 37.8

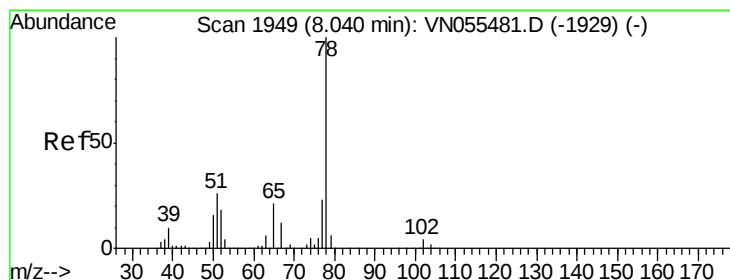
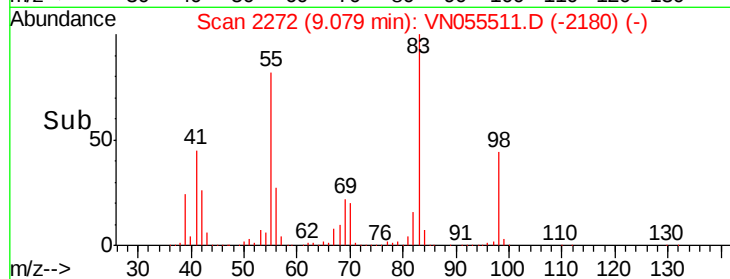
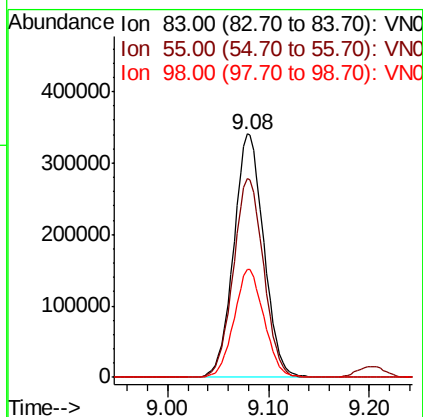
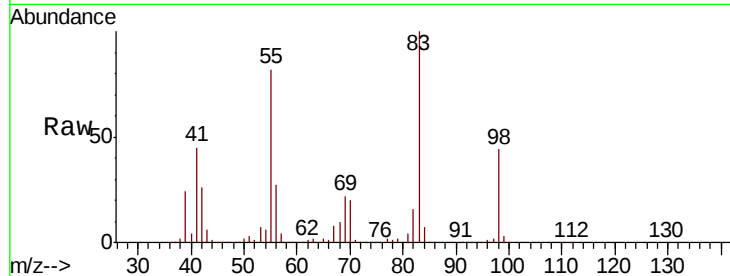




#39  
Methylvlcvclohexane  
Concen: 47.302 ug/l  
RT: 9.08 min Scan# 2272  
Delta R.T. -0.00 min  
Lab File: VN055511.D  
Acq: 9 May 2019 21:29

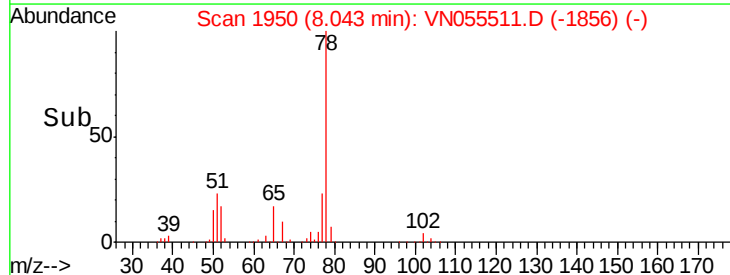
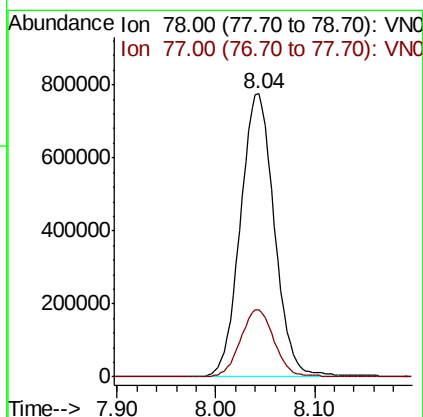
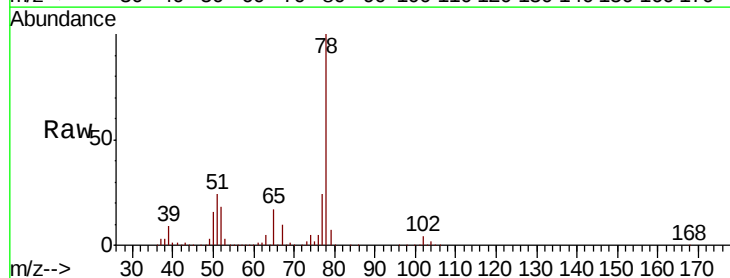
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

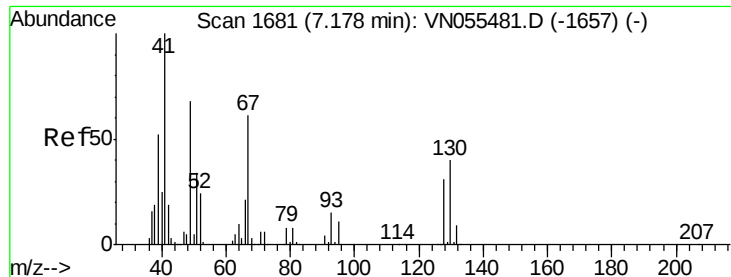
Tot Ion: 83 Resp: 704334  
Ion Ratio Lower Upper  
83 100  
55 81.6 67.0 100.4  
98 44.5 34.2 51.4



#40  
Benzene  
Concen: 48.733 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: VN055511.D  
Acq: 9 May 2019 21:29

Tgt Ion: 78 Resp: 1847087  
Ion Ratio Lower Upper  
78 100  
77 23.5 18.6 27.8

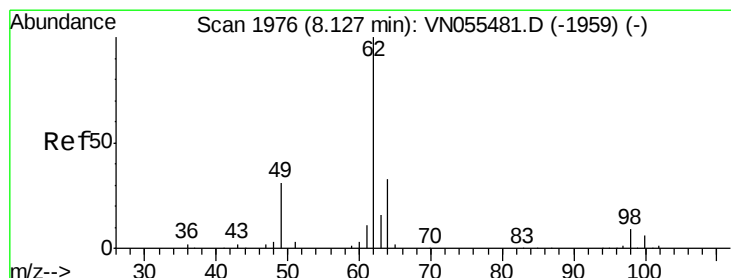
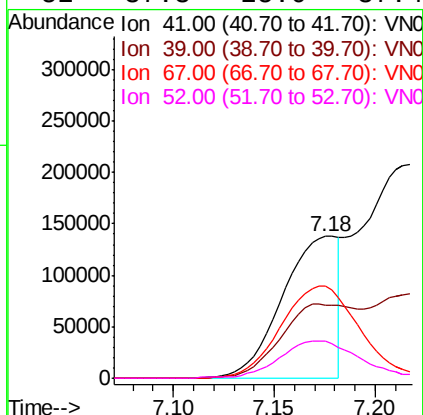
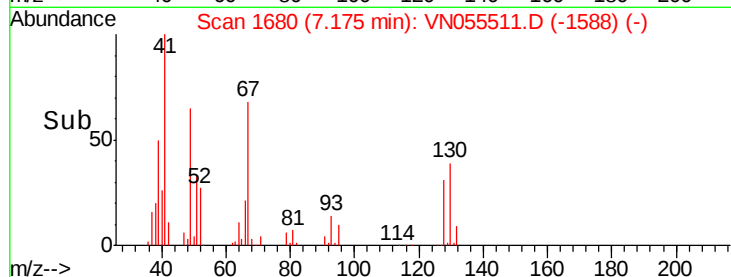
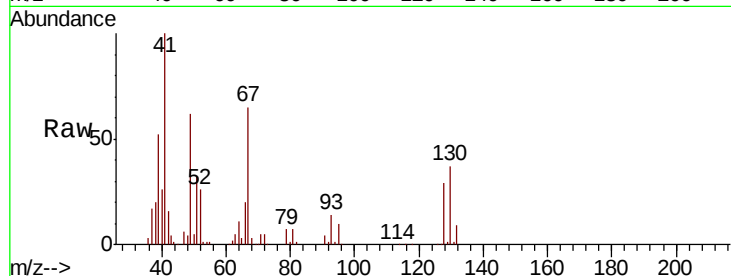




#41  
Methacrylonitrile  
Concen: 42.665 ug/l  
RT: 7.18 min Scan# 1680  
Delta R.T. -0.00 min  
Lab File: VN055511.D  
Acq: 9 May 2019 21:29

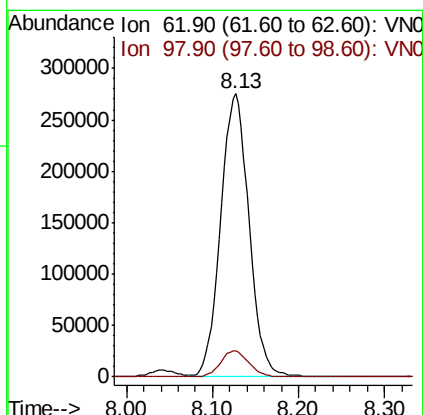
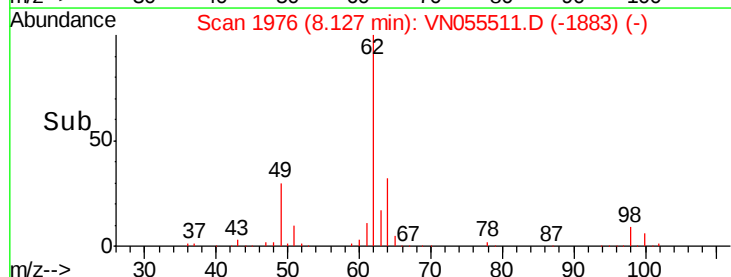
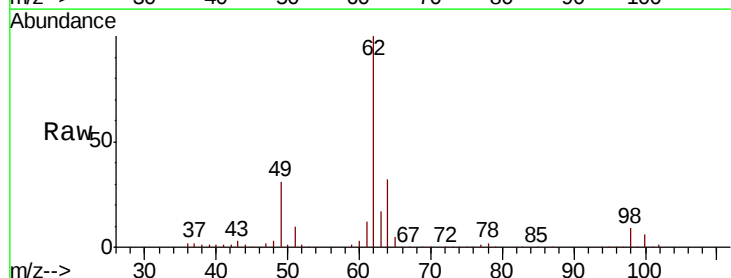
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

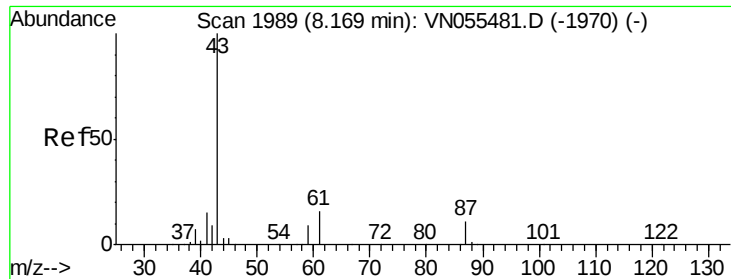
Tot Ion: 41 Resp: 263802  
Ion Ratio Lower Upper  
41 100  
39 72.9 44.7 67.1#  
67 93.3 61.4 92.0#  
52 37.3 25.0 37.4



#42  
1,2-Dichloroethane  
Concen: 47.393 ug/l  
RT: 8.13 min Scan# 1976  
Delta R.T. 0.00 min  
Lab File: VN055511.D  
Acq: 9 May 2019 21:29

Tgt Ion: 62 Resp: 631093  
Ion Ratio Lower Upper  
62 100  
98 9.2 0.0 17.4





#43

Isopropyl Acetate

Concen: 48.511 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

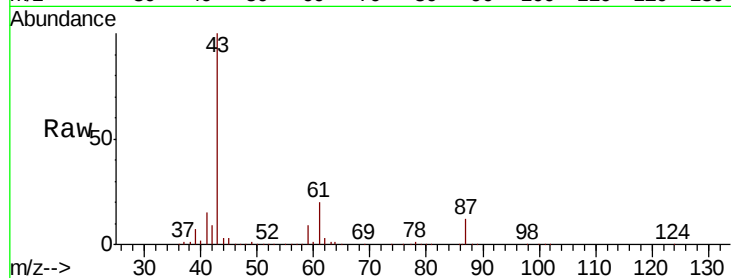
MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 981823

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 27.0  | 15.1  | 22.7# |
| 87  | 12.0  | 9.0   | 13.6  |



Abundance Ion 43.00 (42.70 to 43.70): VN055511.D (-1988) (-)

Ion 61.00 (60.70 to 61.70): VN055511.D (-1988) (-)

Ion 87.00 (86.70 to 87.70): VN055511.D (-1988) (-)

8.17

400000

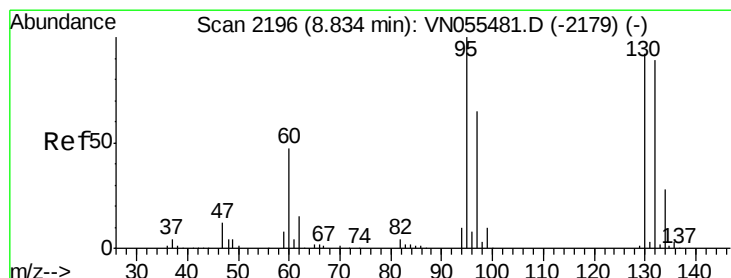
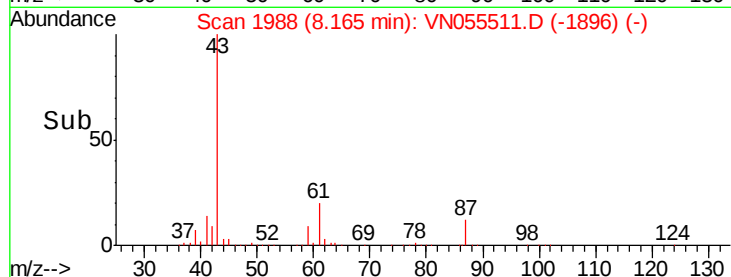
300000

200000

100000

0

Time-->



#44

Trichloroethene

Concen: 48.927 ug/l

RT: 8.83 min Scan# 2196

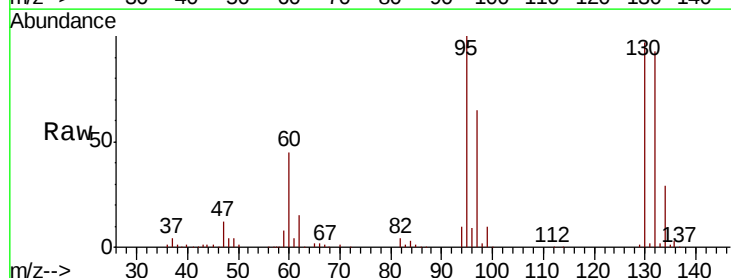
Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Tgt Ion: 130 Resp: 441247

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 130 | 100   |       |       |
| 95  | 103.4 | 0.0   | 216.8 |



Abundance Ion 129.80 (129.50 to 130.50): VN055511.D (-2196) (-)

Ion 94.90 (94.60 to 95.60): VN055511.D (-2196) (-)

8.83

250000

200000

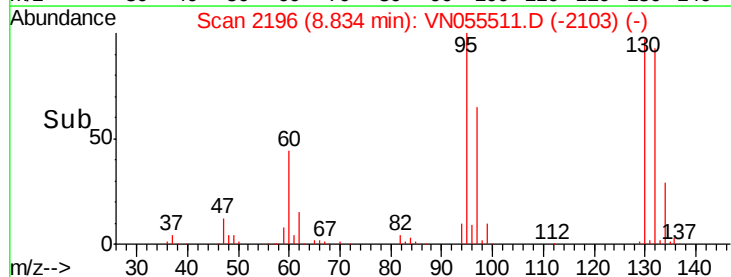
150000

100000

50000

0

Time-->





#45

1,2-Dichloropropane

Concen: 48.544 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA\_N

ClientSampleId :

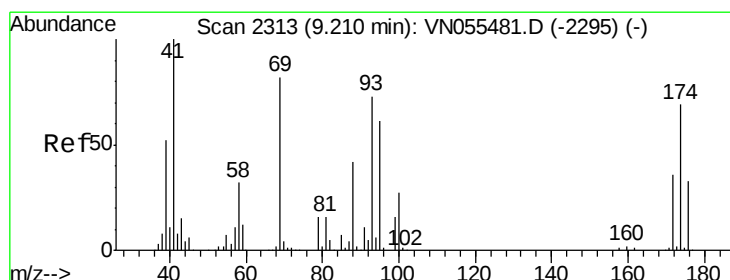
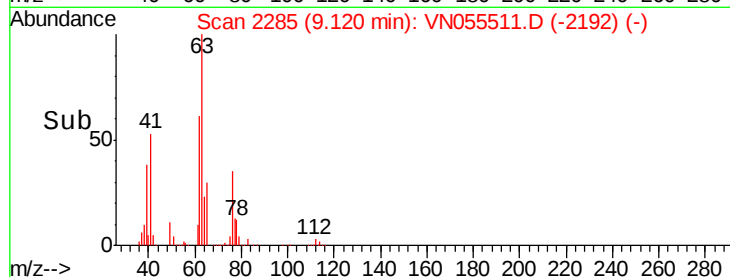
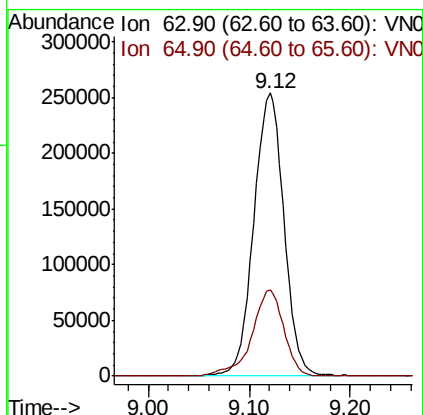
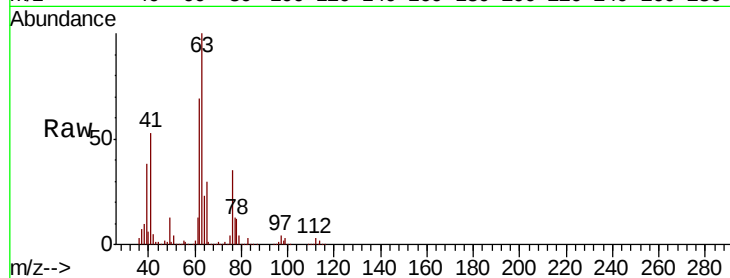
VSTDCCC050

Tot Ion: 63 Resp: 526452

Ion Ratio Lower Upper

63 100

65 30.4 24.1 36.1



#46

Dibromomethane

Concen: 48.955 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

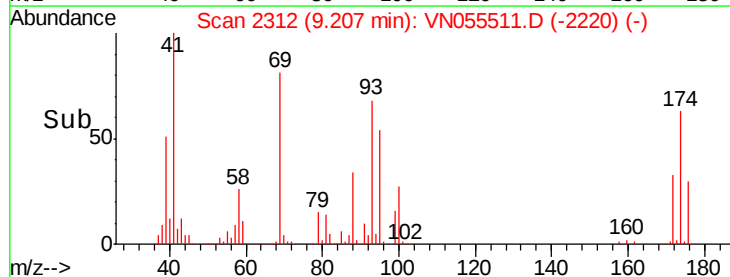
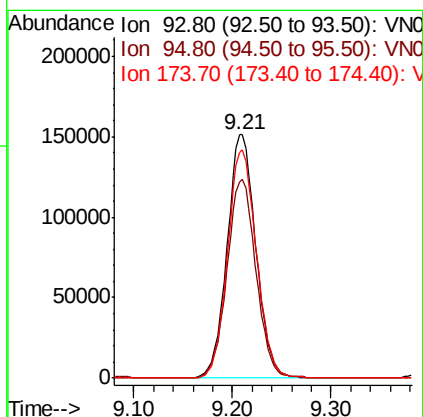
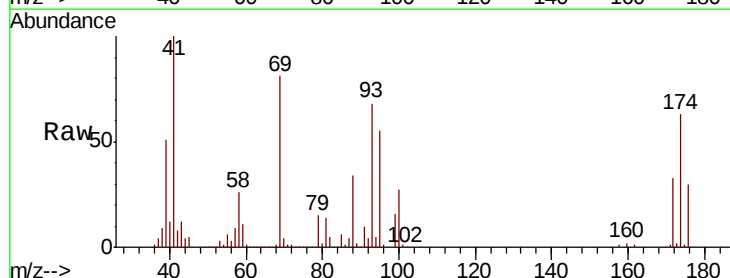
Tgt Ion: 93 Resp: 307735

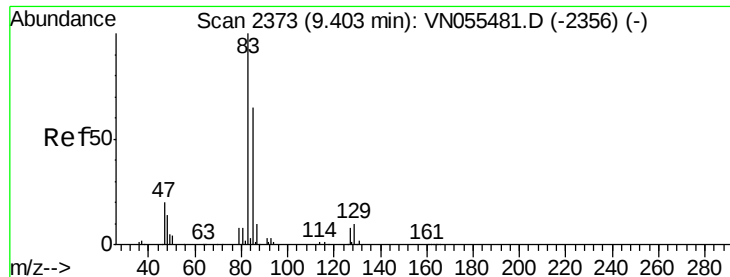
Ion Ratio Lower Upper

93 100

95 82.5 64.8 97.2

174 94.6 75.0 112.6





#47

Bromodichloromethane

Concen: 50.054 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

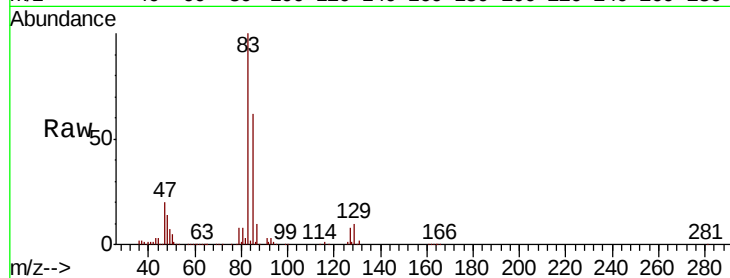
Tot Ion: 83 Resp: 601927

Ion Ratio Lower Upper

83 100

85 62.2 52.2 78.2

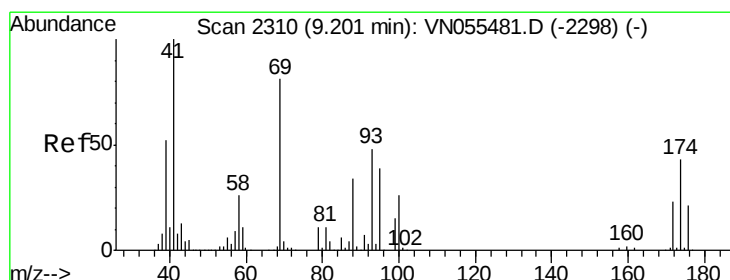
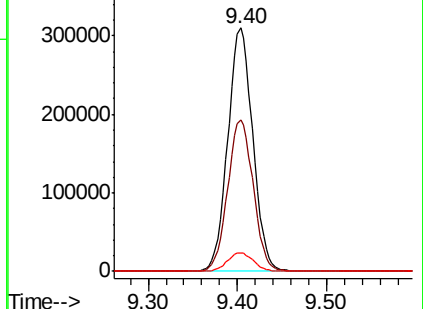
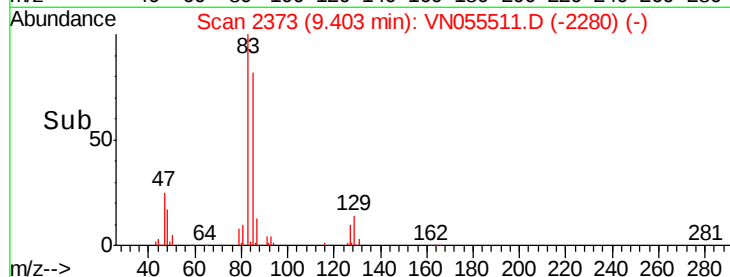
127 7.6 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN055511.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055511.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055511.D (-2280) (-)



#48

Methyl methacrylate

Concen: 48.625 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

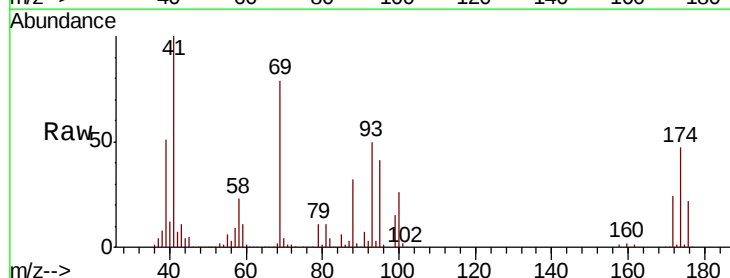
Tgt Ion: 41 Resp: 474159

Ion Ratio Lower Upper

41 100

69 81.4 64.2 96.2

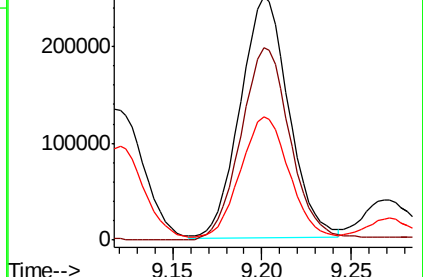
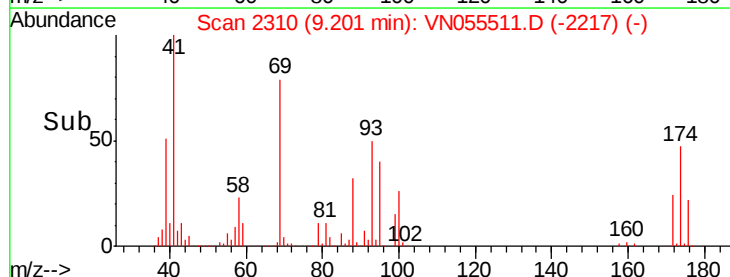
39 51.4 41.6 62.4

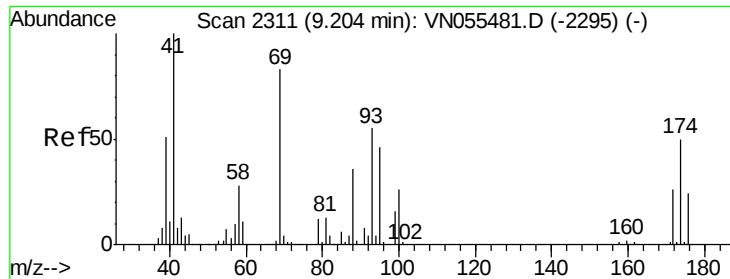


Abundance Ion 41.00 (40.70 to 41.70): VN055511.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055511.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055511.D (-2217) (-)





#49

1,4-Dioxane

Concen: 910.397 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

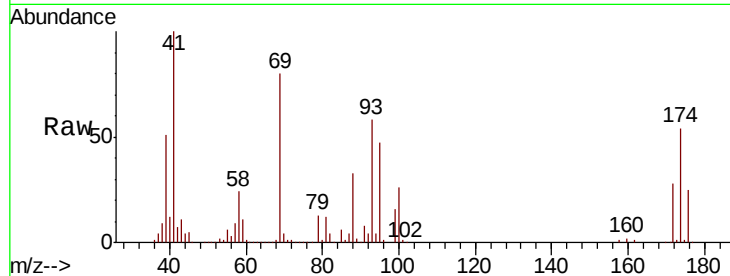
Tot Ion: 88 Resp: 173027

Ion Ratio Lower Upper

88 100

43 32.5 27.8 41.8

58 73.7 61.8 92.6



Abundance Ion 88.00 (87.70 to 88.70): VN055511.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN055511.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN055511.D (-2295) (-)

500000

400000

300000

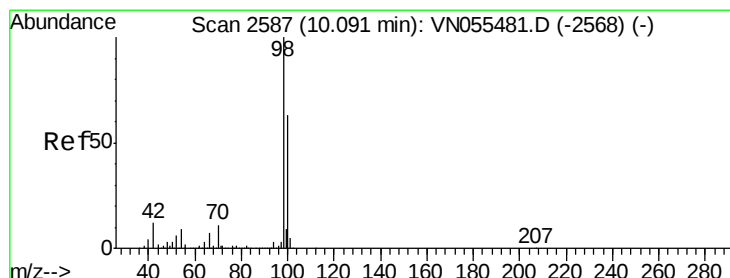
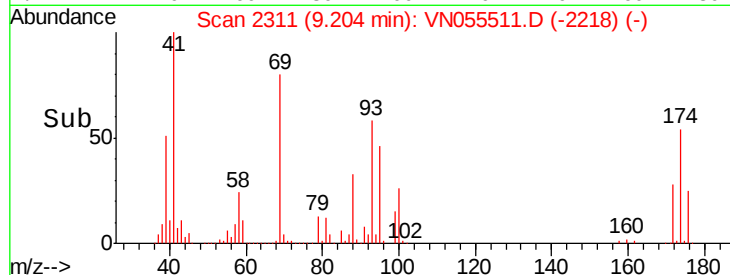
200000

100000

0

9.10 9.20 9.30

Time-->



#50

Toluene-d8

Concen: 51.108 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055511.D

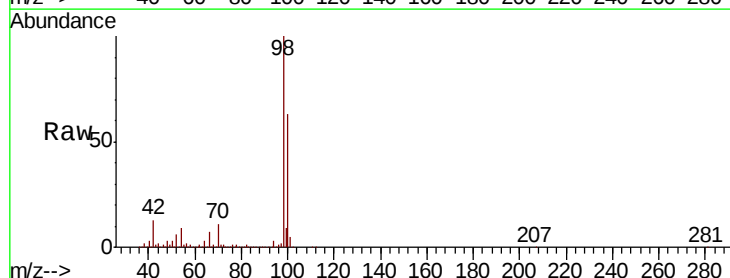
Acq: 9 May 2019 21:29

Tgt Ion: 98 Resp: 1592613

Ion Ratio Lower Upper

98 100

100 62.4 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN055511.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN055511.D (-2568) (-)

800000

600000

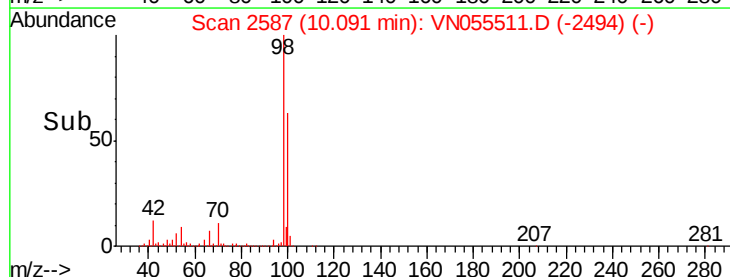
400000

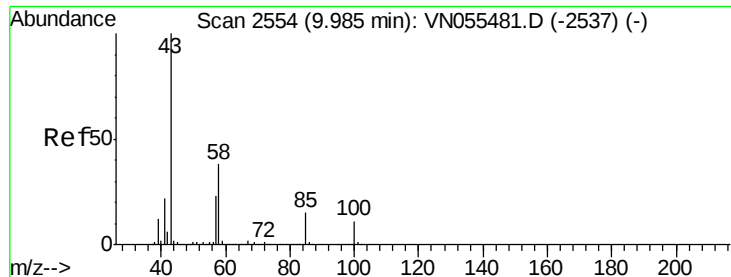
200000

0

10.00 10.10 10.20 10.30

Time-->





#51

4-Methyl-2-Pentanone

Concen: 232.312 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA\_N

ClientSampleId :

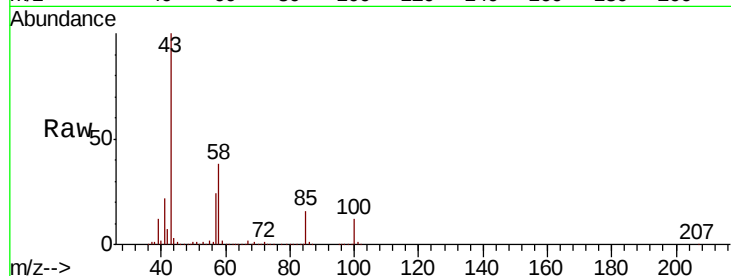
VSTDCCC050

Tot Ion: 43 Resp: 3092282

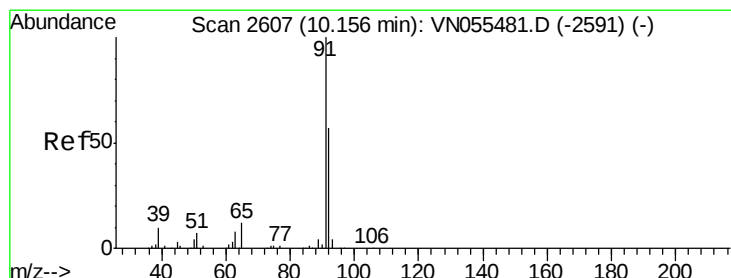
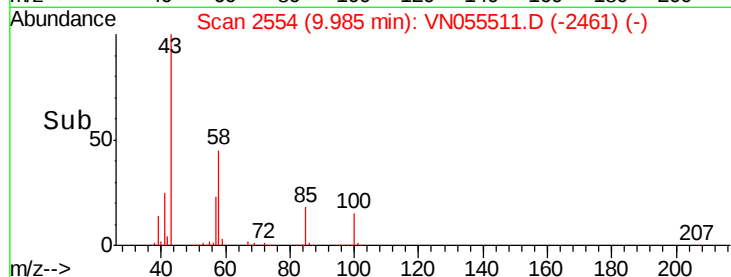
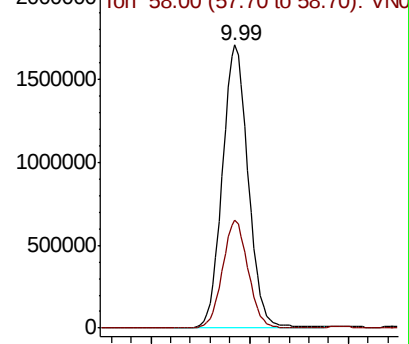
Ion Ratio Lower Upper

43 100

58 37.7 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN055511.D (-2461) (-)



#52

Toluene

Concen: 50.679 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055511.D

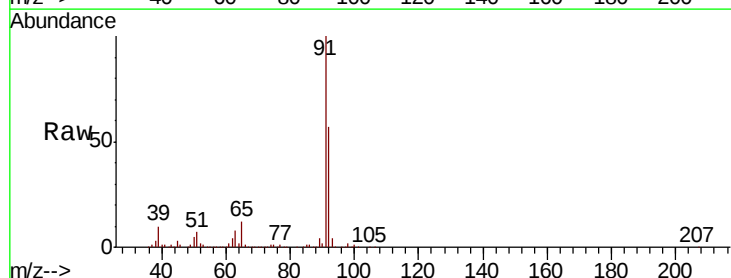
Acq: 9 May 2019 21:29

Tgt Ion: 92 Resp: 1098152

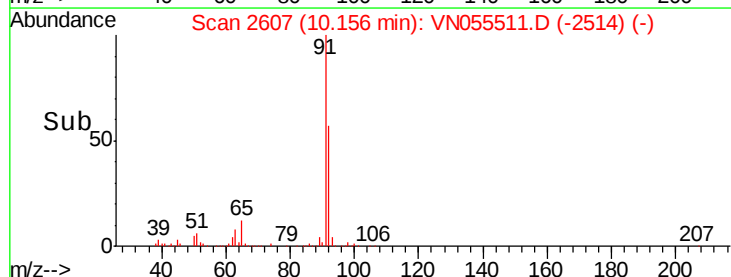
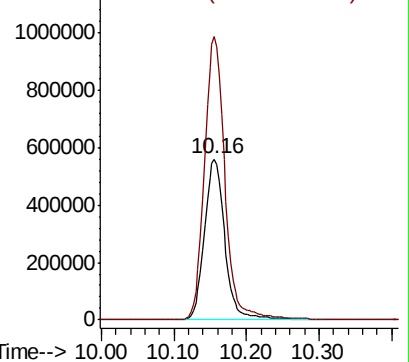
Ion Ratio Lower Upper

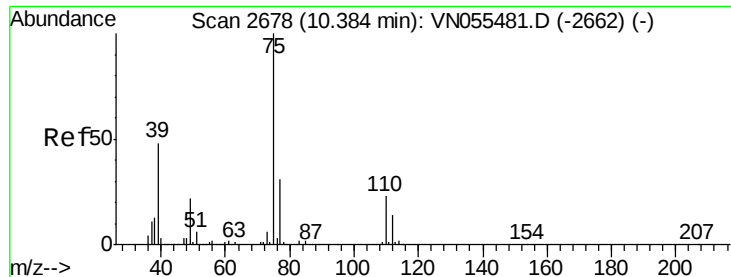
92 100

91 176.8 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN055511.D (-2514) (-)





#53

t-1,3-Dichloropropene

Concen: 52.571 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA\_N

ClientSampleId :

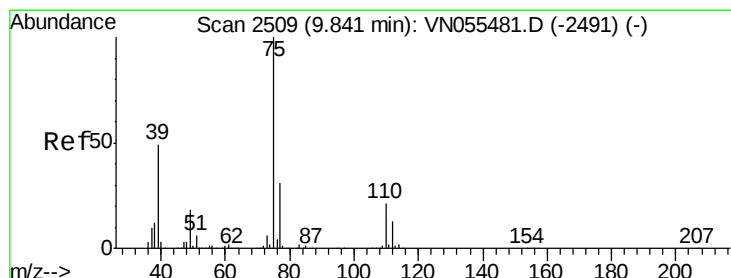
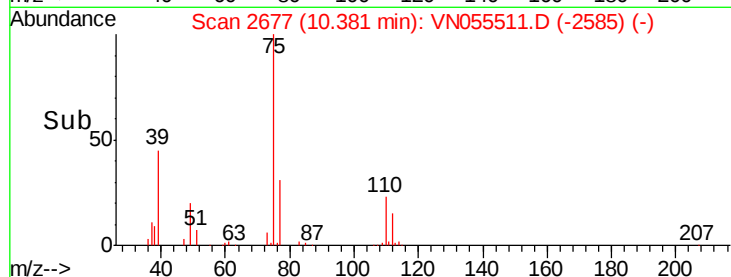
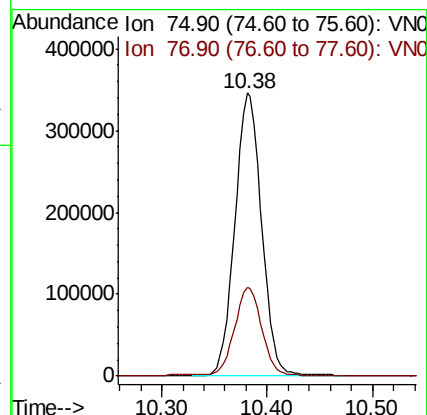
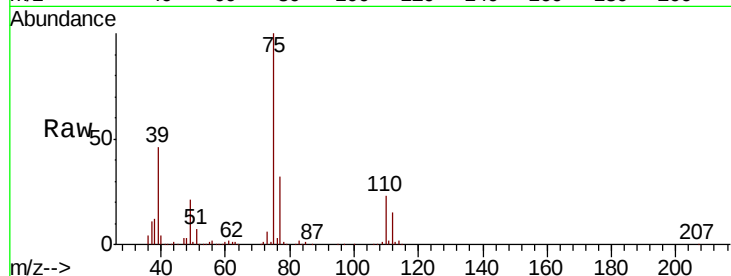
VSTDCCC050

Tot Ion: 75 Resp: 607185

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 52.076 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

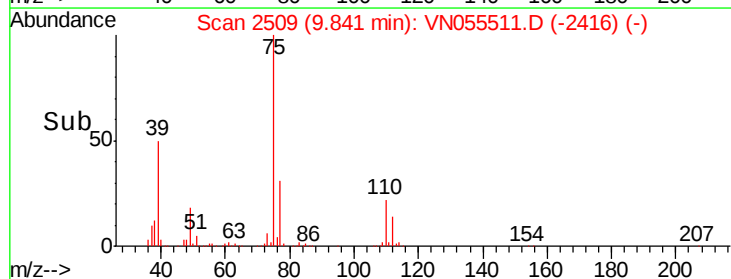
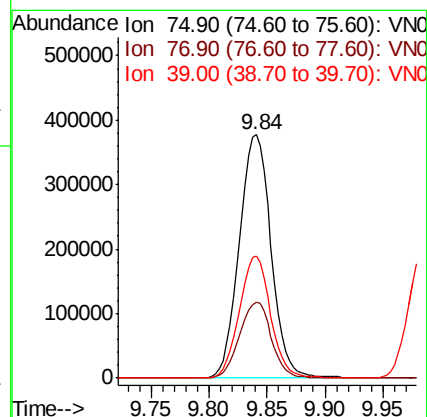
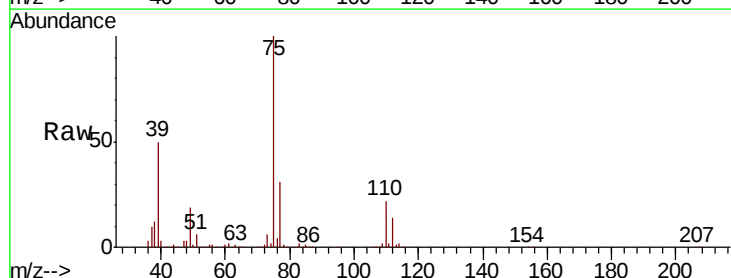
Tgt Ion: 75 Resp: 718713

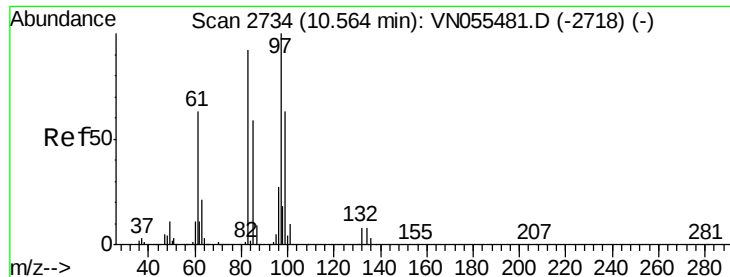
Ion Ratio Lower Upper

75 100

77 31.3 24.4 36.6

39 50.2 39.5 59.3





#55

1,1,2-Trichloroethane

Concen: 49.746 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 436739

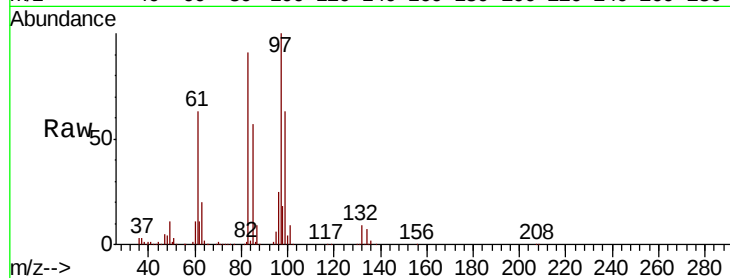
Ion Ratio Lower Upper

97 100

83 90.6 73.2 109.8

85 57.1 47.5 71.3

99 63.1 50.2 75.2

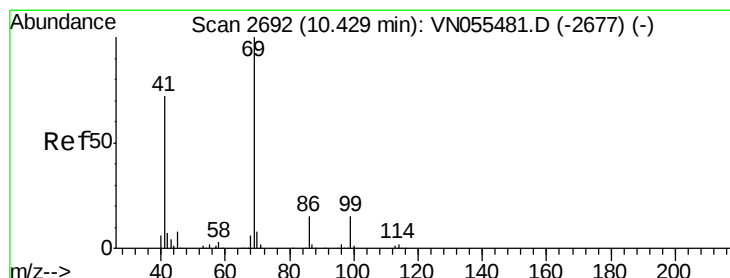
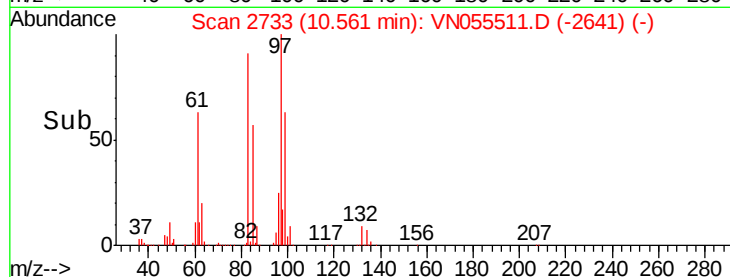
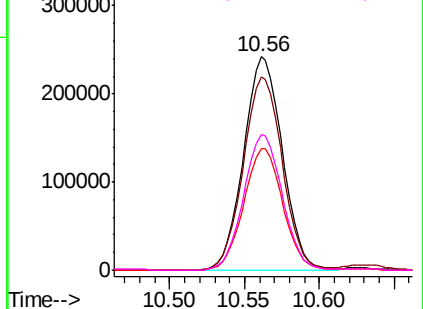


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 50.247 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

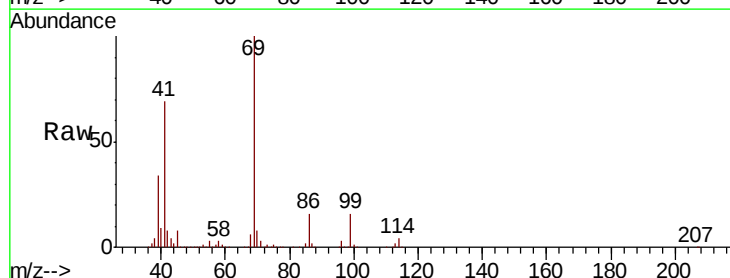
Tgt Ion: 69 Resp: 656162

Ion Ratio Lower Upper

69 100

41 68.2 56.2 84.2

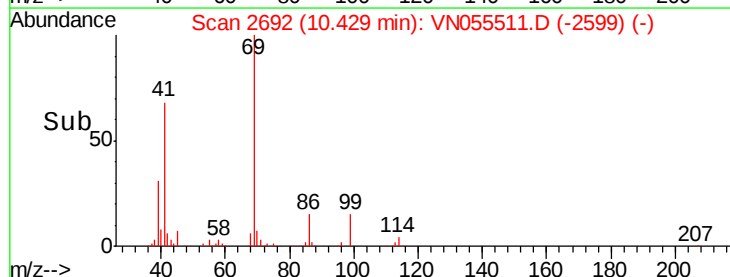
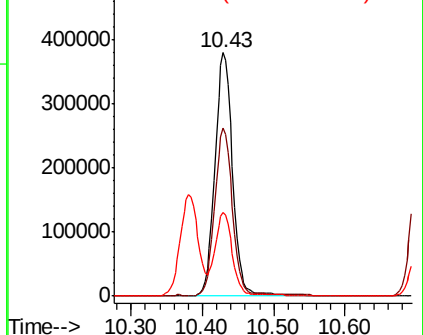
39 33.4 27.8 41.6

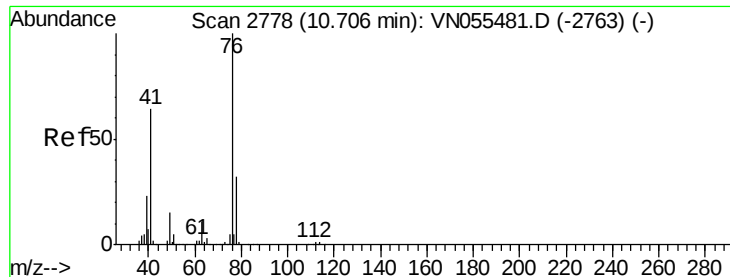


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 49.580 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA\_N

ClientSampleId :

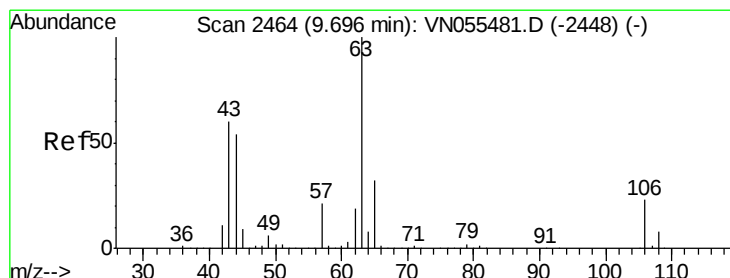
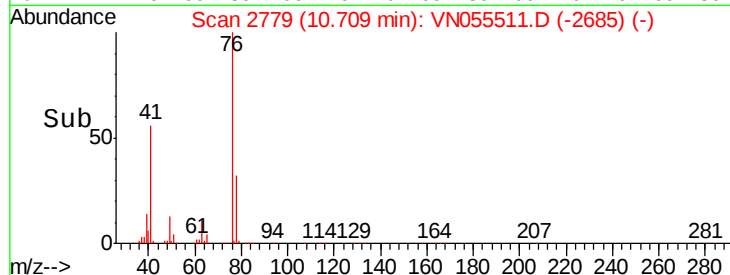
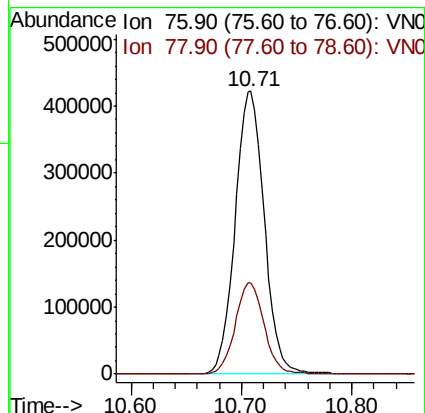
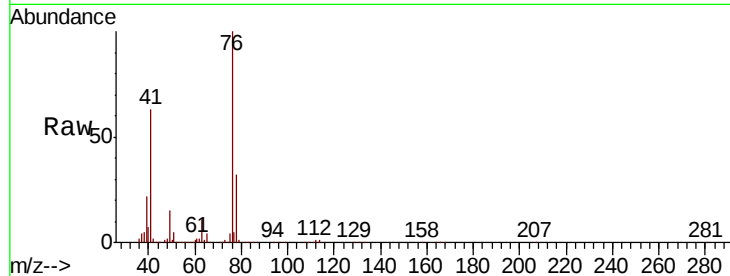
VSTDCCC050

Tot Ion: 76 Resp: 772773

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 210.171 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055511.D

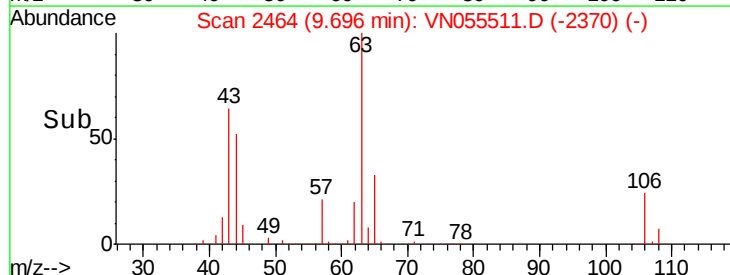
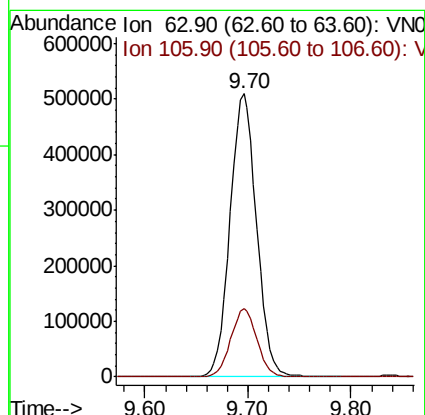
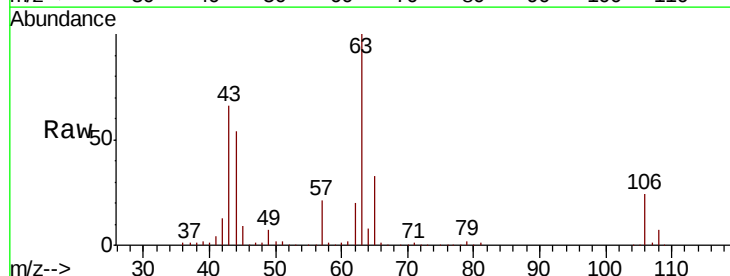
Acq: 9 May 2019 21:29

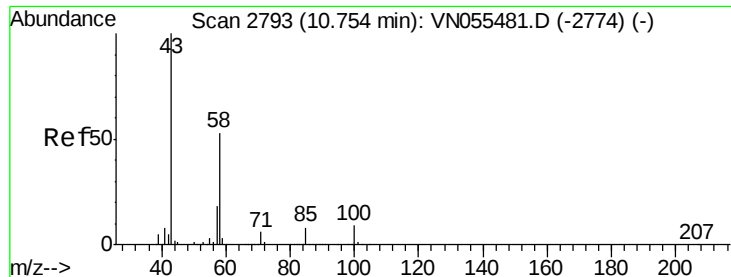
Tgt Ion: 63 Resp: 914695

Ion Ratio Lower Upper

63 100

106 23.6 18.6 27.8

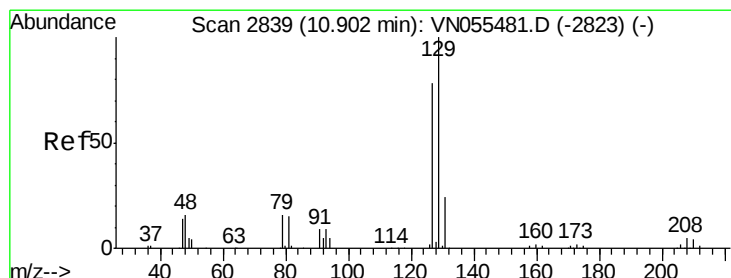
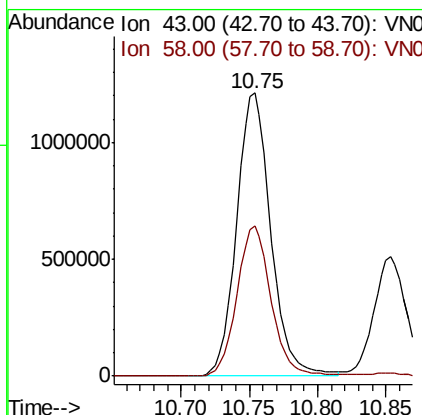
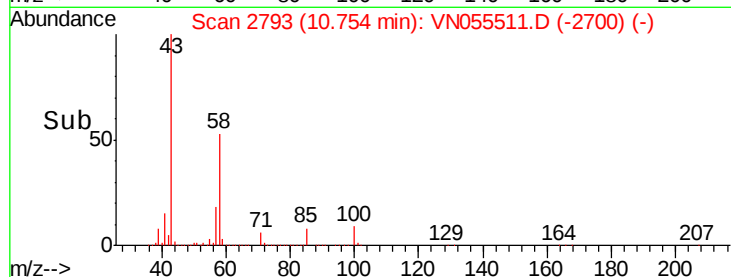
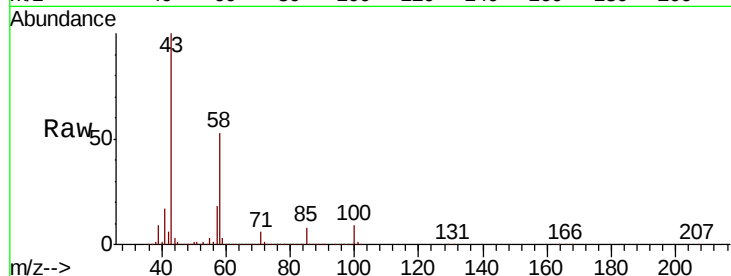




#59  
2-Hexanone  
Concen: 225.065 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN055511.D  
Acq: 9 May 2019 21:29

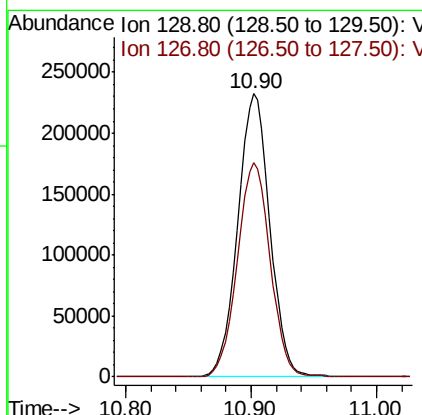
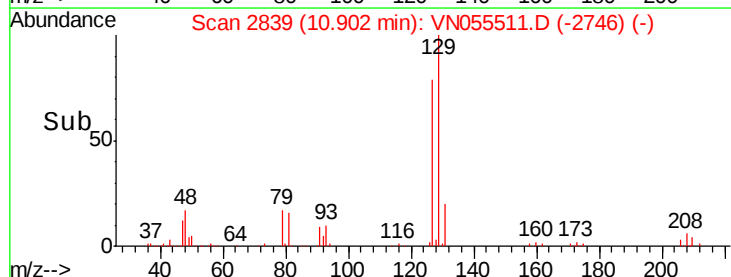
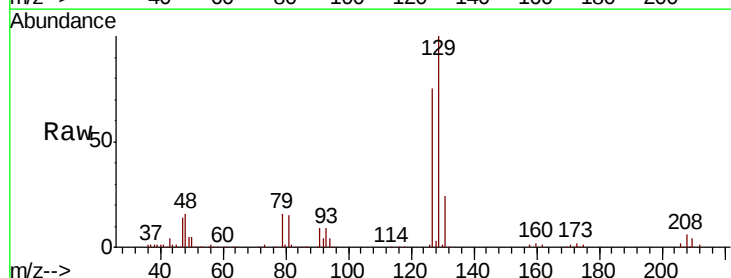
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

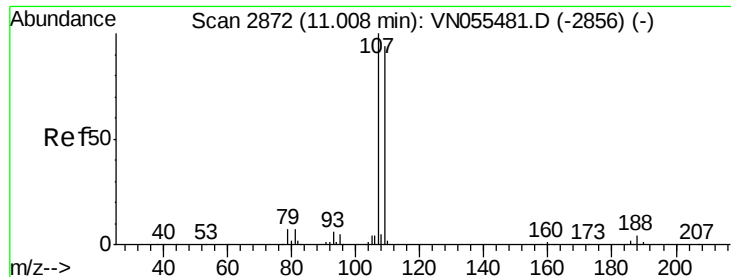
Tot Ion: 43 Resp: 2100973  
Ion Ratio Lower Upper  
43 100  
58 53.3 26.4 79.0



#60  
Dibromochloromethane  
Concen: 51.826 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN055511.D  
Acq: 9 May 2019 21:29

Tgt Ion: 129 Resp: 413687  
Ion Ratio Lower Upper  
129 100  
127 77.1 38.6 116.0

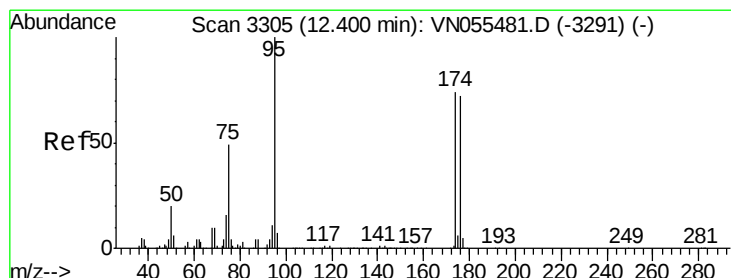
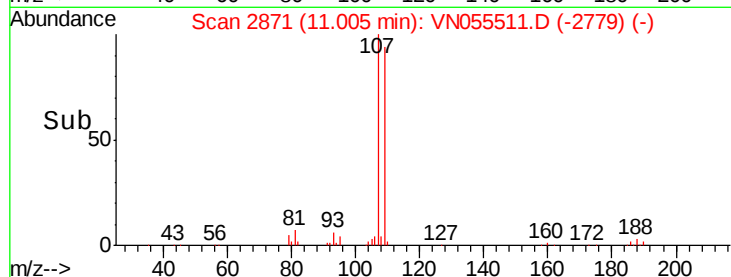
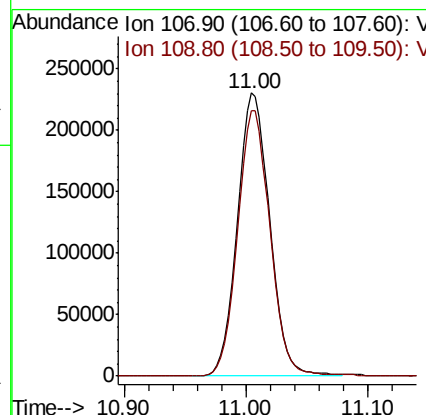
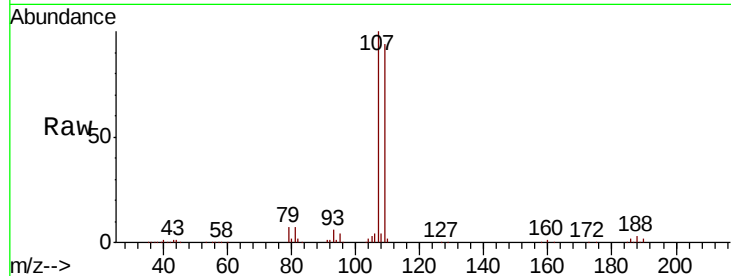




#61  
 1,2-Dibromoethane  
 Concen: 50.155 ug/l  
 RT: 11.00 min Scan# 2871  
 Delta R.T. -0.00 min  
 Lab File: VN055511.D  
 Acq: 9 May 2019 21:29

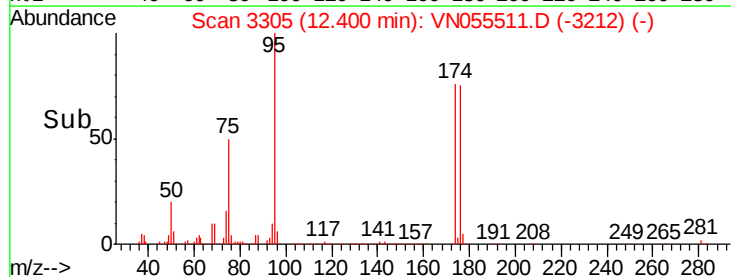
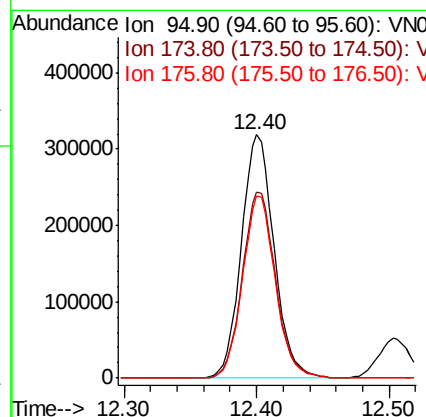
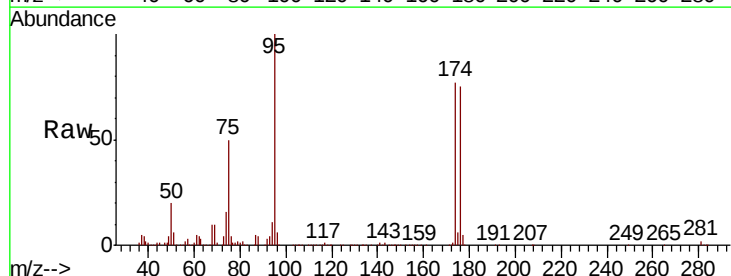
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

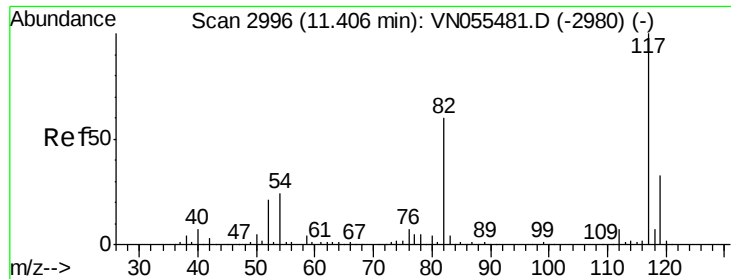
Tot Ion:107 Resp: 423072  
 Ion Ratio Lower Upper  
 107 100  
 109 94.6 74.2 111.4



#62  
 4-Bromofluorobenzene  
 Concen: 51.926 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.00 min  
 Lab File: VN055511.D  
 Acq: 9 May 2019 21:29

Tgt Ion: 95 Resp: 545609  
 Ion Ratio Lower Upper  
 95 100  
 174 77.9 0.0 152.2  
 176 75.0 0.0 147.8

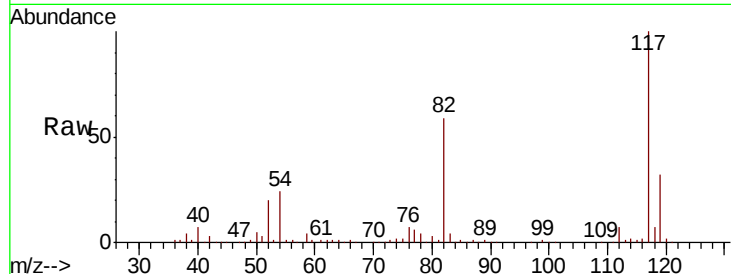




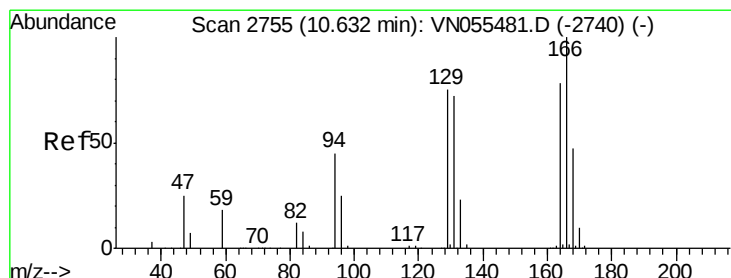
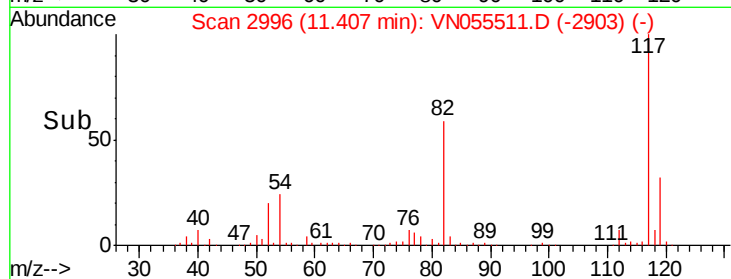
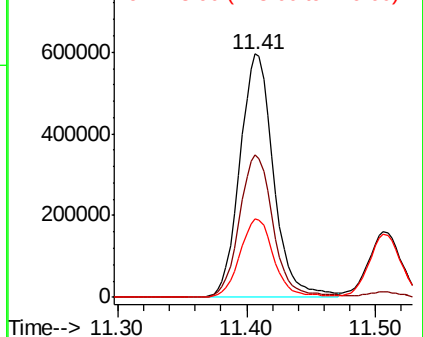
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN055511.D  
Acq: 9 May 2019 21:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:117 Resp: 1082625  
Ion Ratio Lower Upper  
117 100  
82 58.7 48.0 72.0  
119 32.1 26.0 39.0

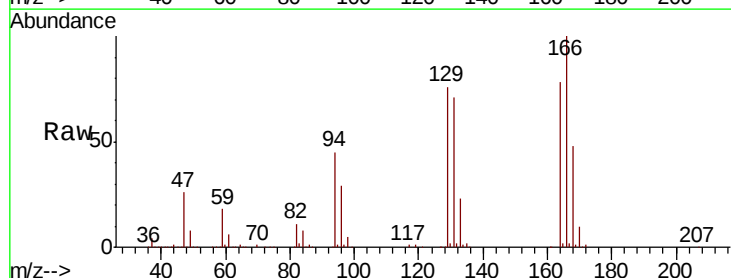


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VN  
Ion 118.90 (118.60 to 119.60): V

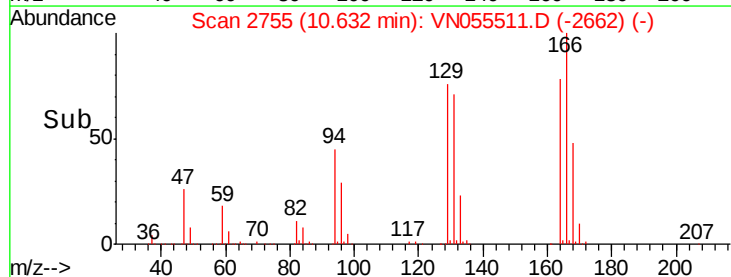
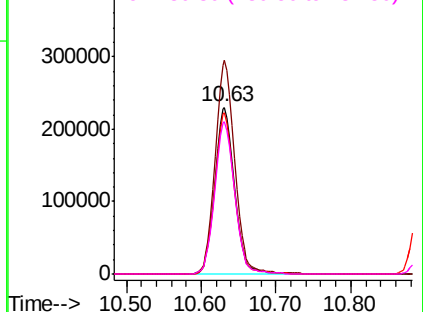


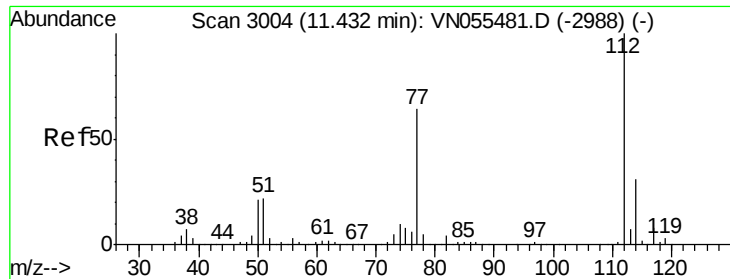
#64  
Tetrachloroethene  
Concen: 47.716 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN055511.D  
Acq: 9 May 2019 21:29

Tgt Ion:164 Resp: 423290  
Ion Ratio Lower Upper  
164 100  
166 128.1 102.6 153.8  
129 96.7 77.0 115.6  
131 91.2 73.7 110.5



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

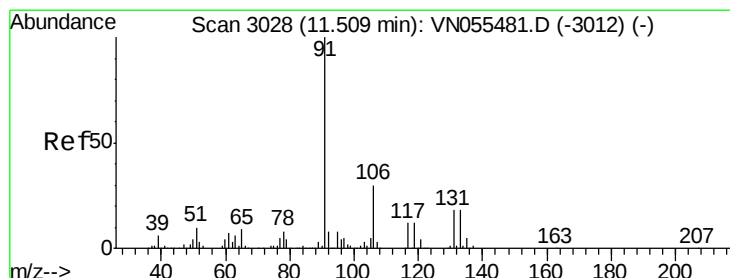
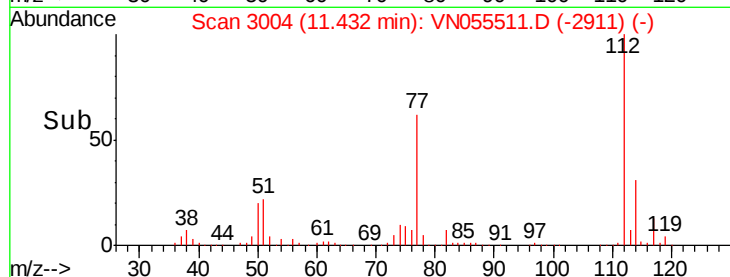
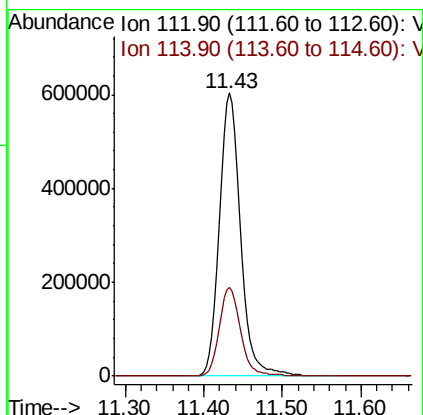
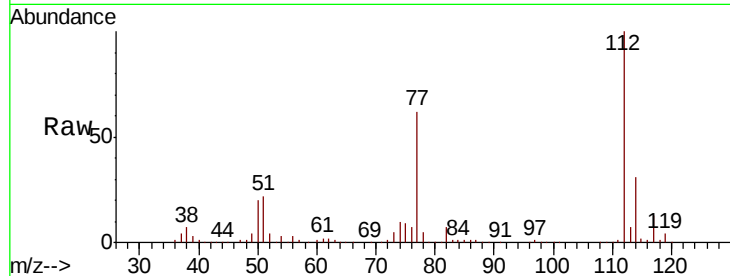




#65  
Chlorobenzene  
Concen: 50.131 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN055511.D  
Acq: 9 May 2019 21:29

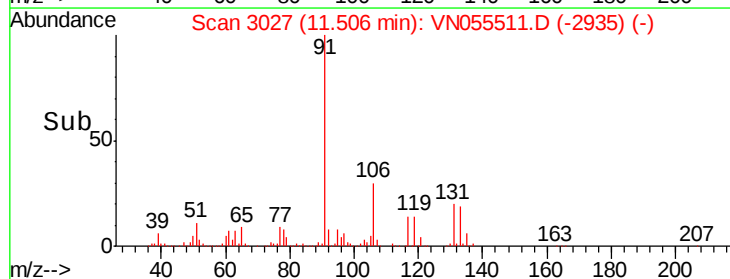
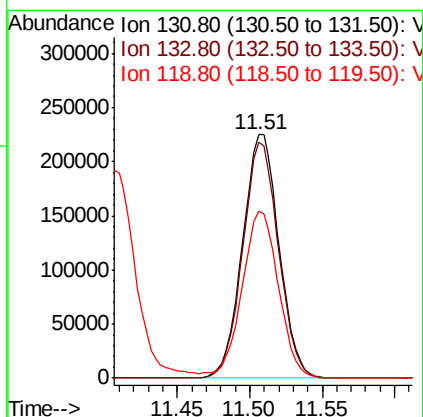
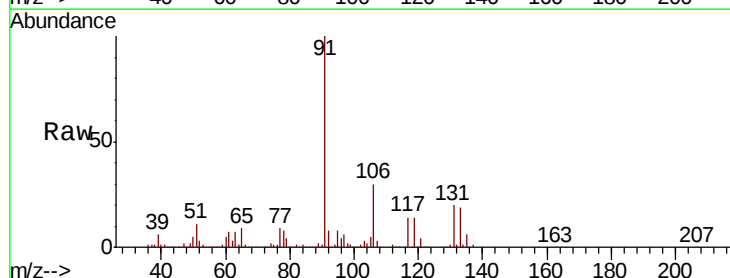
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

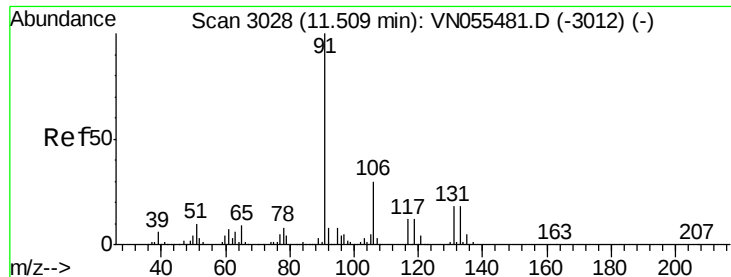
Tot Ion:112 Resp: 1116582  
Ion Ratio Lower Upper  
112 100  
114 31.2 25.0 37.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.268 ug/l  
RT: 11.51 min Scan# 3027  
Delta R.T. -0.00 min  
Lab File: VN055511.D  
Acq: 9 May 2019 21:29

Tgt Ion:131 Resp: 393122  
Ion Ratio Lower Upper  
131 100  
133 95.3 47.4 142.2  
119 68.3 34.1 102.2





#67

Ethyl Benzene

Concen: 49.529 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA\_N

ClientSampleId :

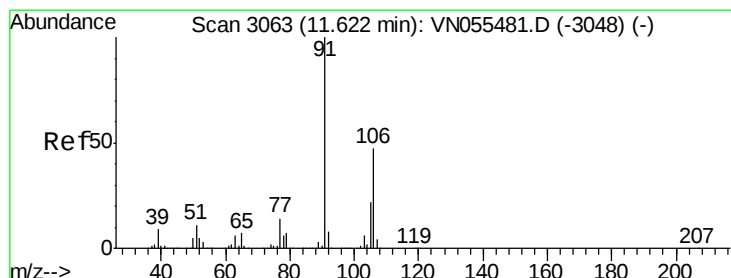
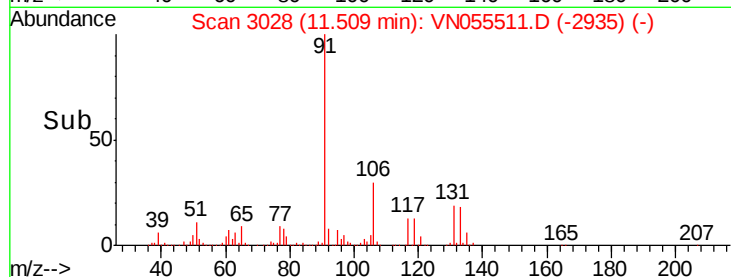
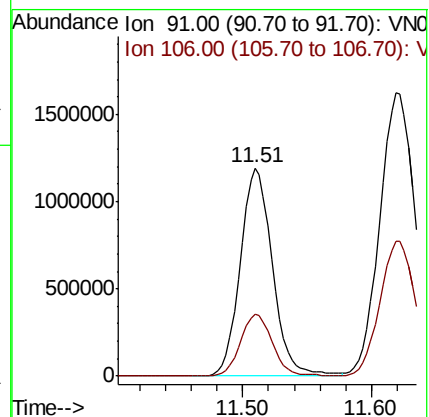
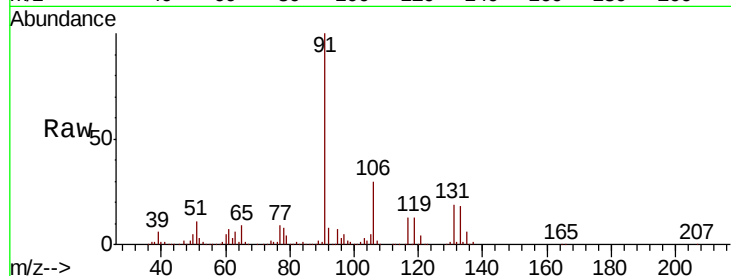
VSTDCCC050

Tot Ion: 91 Resp: 2071946

Ion Ratio Lower Upper

91 100

106 29.8 23.8 35.6



#68

m/p-Xylenes

Concen: 101.043 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN055511.D

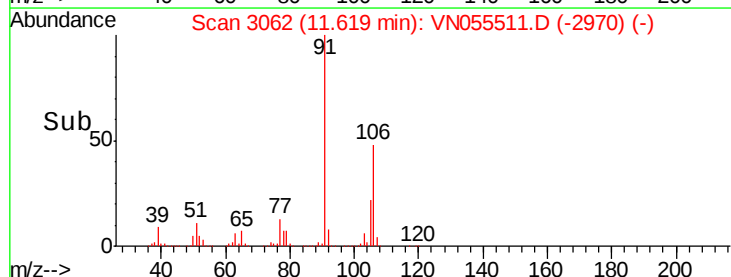
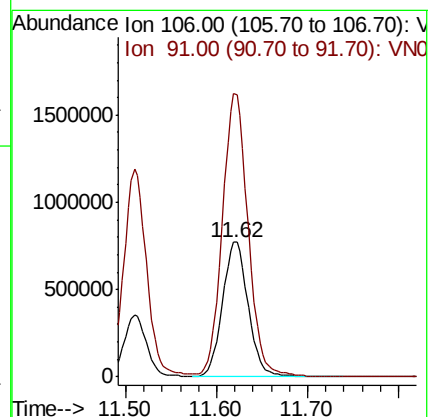
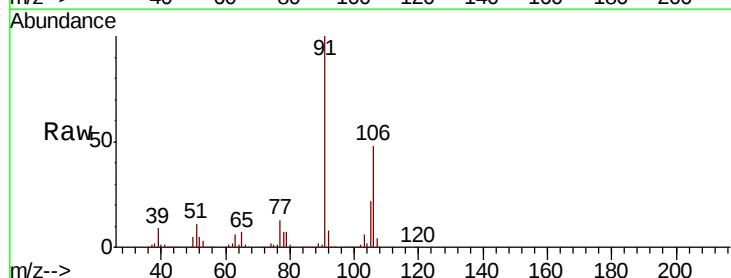
Acq: 9 May 2019 21:29

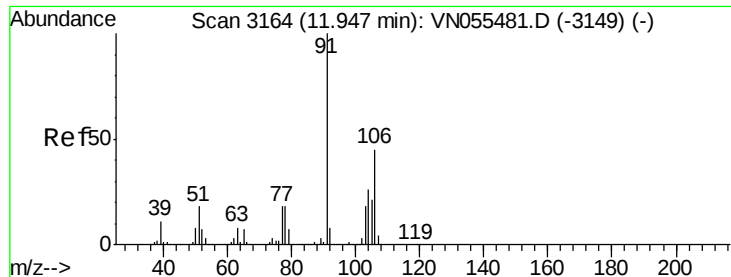
Tgt Ion: 106 Resp: 1516930

Ion Ratio Lower Upper

106 100

91 210.3 169.2 253.8

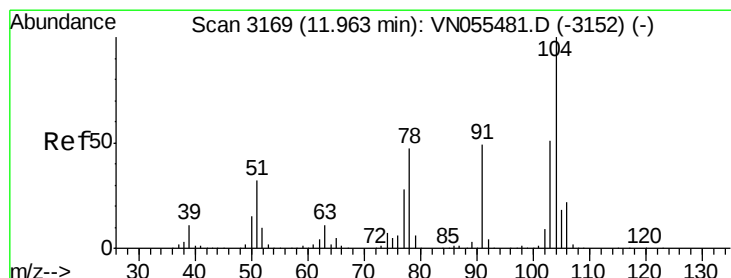
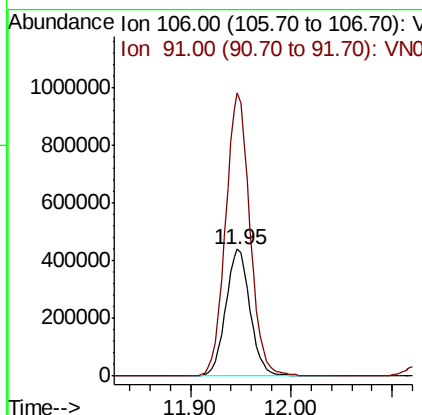
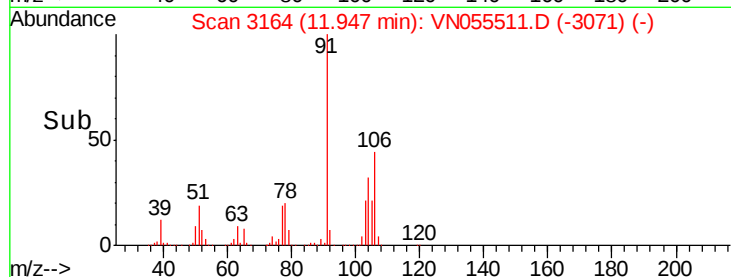
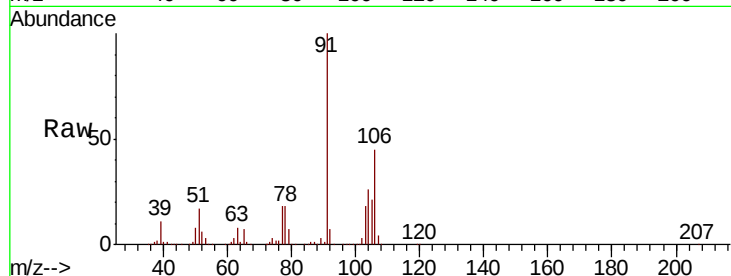




#69  
o-Xylene  
Concen: 50.298 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN055511.D  
Acq: 9 May 2019 21:29

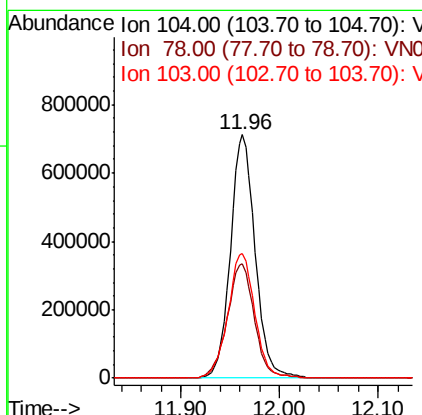
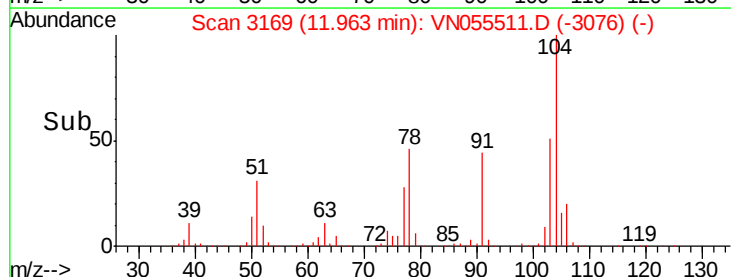
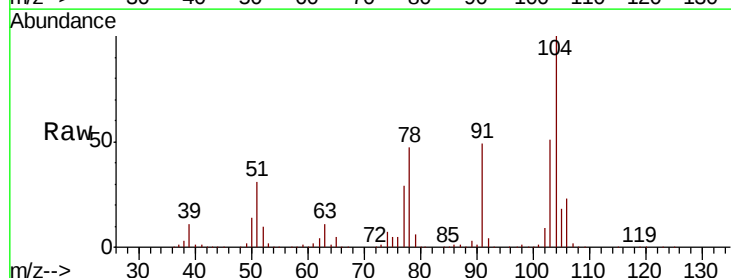
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

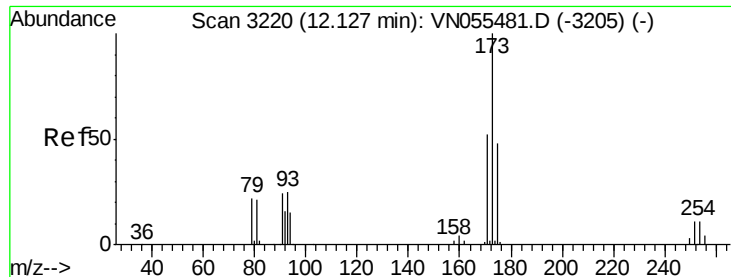
Tot Ion:106 Resp: 742176  
Ion Ratio Lower Upper  
106 100  
91 223.2 111.3 333.8



#70  
Styrene  
Concen: 52.740 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN055511.D  
Acq: 9 May 2019 21:29

Tgt Ion:104 Resp: 1246769  
Ion Ratio Lower Upper  
104 100  
78 51.7 41.6 62.4  
103 55.8 44.4 66.6





#71

Bromoform

Concen: 52.252 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

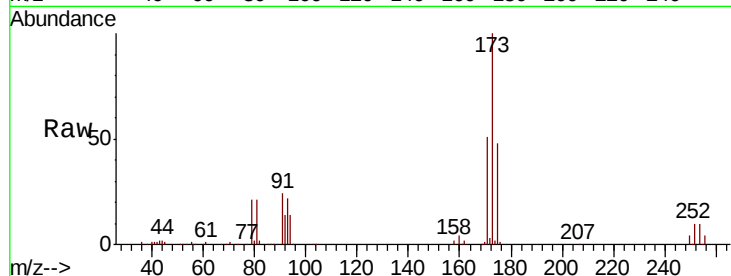
Tot Ion:173 Resp: 270372

Ion Ratio Lower Upper

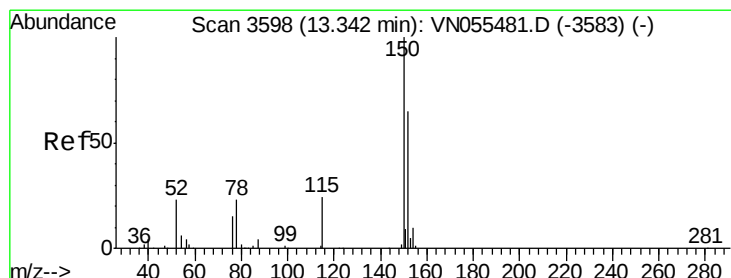
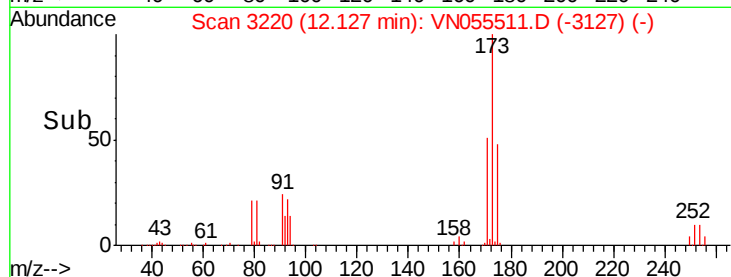
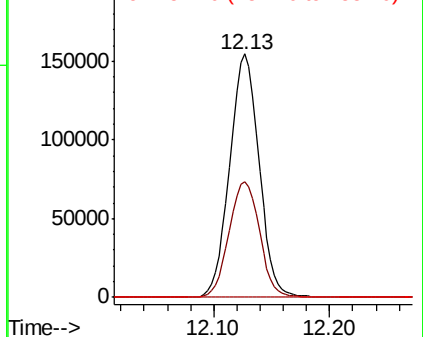
173 100

175 49.4 24.1 72.4

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: VN055511.D

Acq: 9 May 2019 21:29

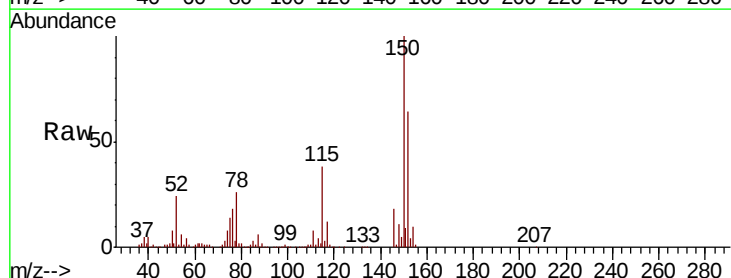
Tgt Ion:152 Resp: 458123

Ion Ratio Lower Upper

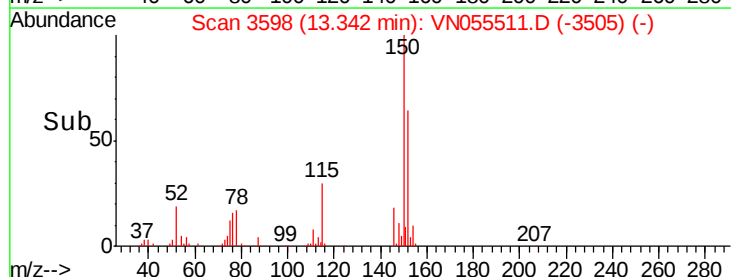
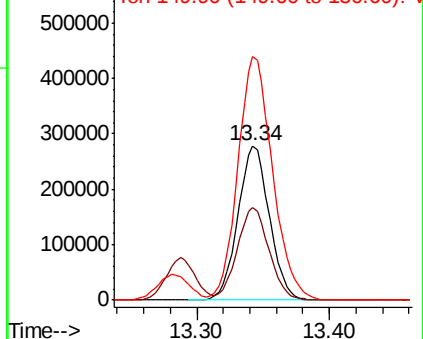
152 100

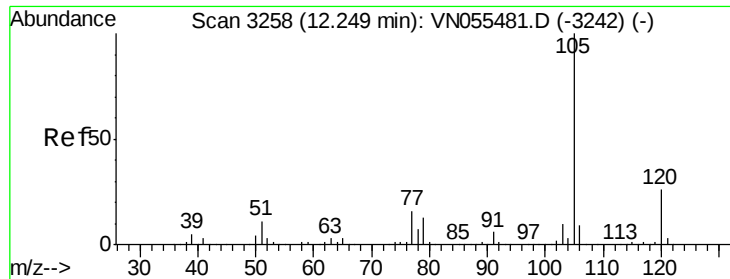
115 60.3 30.1 90.5

150 174.2 0.0 355.0



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: 52.377 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA\_N

ClientSampleId :

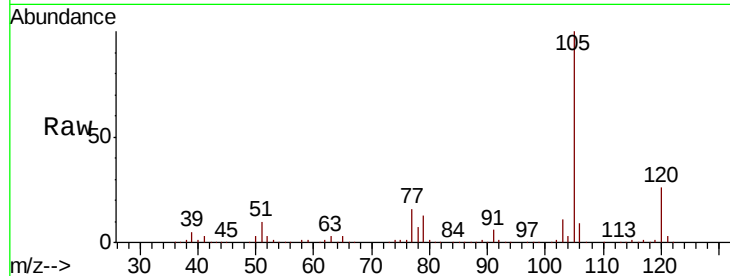
VSTDCCC050

Tot Ion:105 Resp: 1974050

Ion Ratio Lower Upper

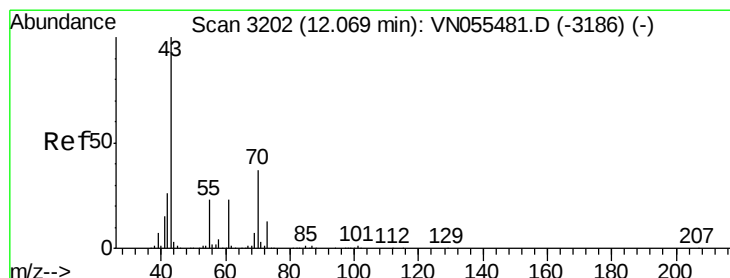
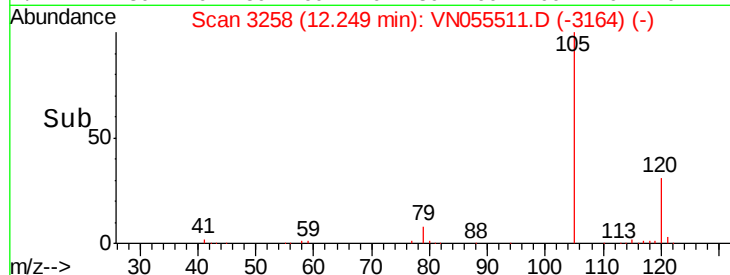
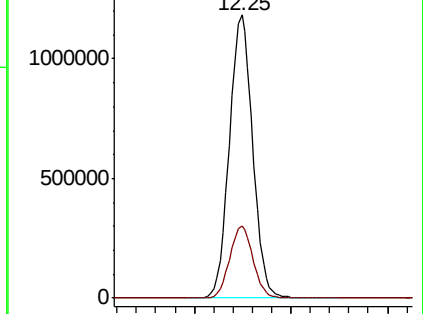
105 100

120 25.6 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.732 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Tgt Ion: 43 Resp: 795416

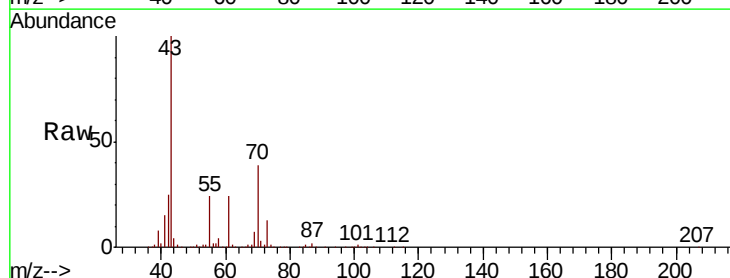
Ion Ratio Lower Upper

43 100

70 39.5 30.7 46.1

55 24.6 19.3 28.9

61 23.6 18.6 27.8

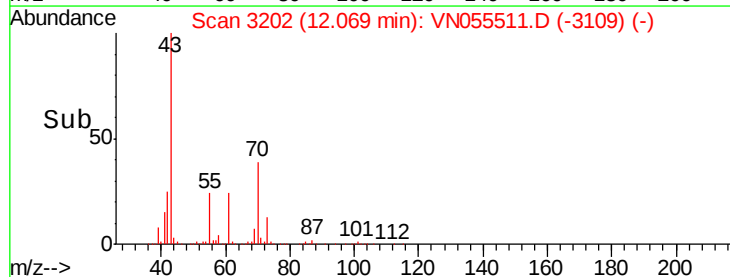
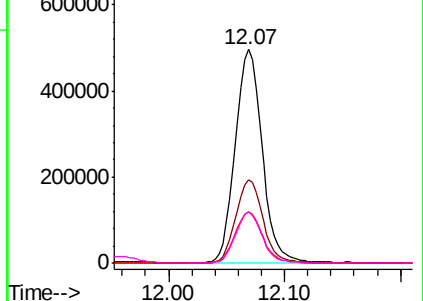


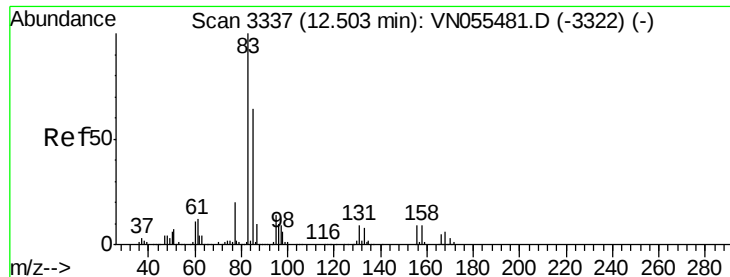
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.218 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

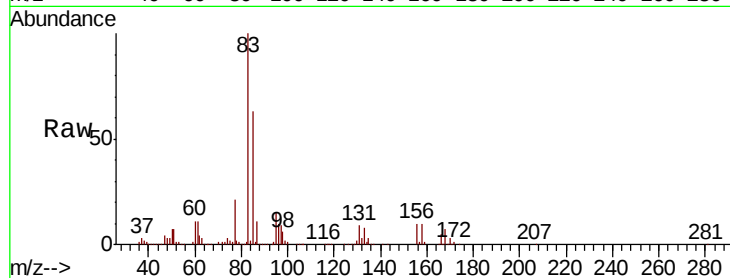
Tot Ion: 83 Resp: 616665

Ion Ratio Lower Upper

83 100

131 9.0 4.5 13.5

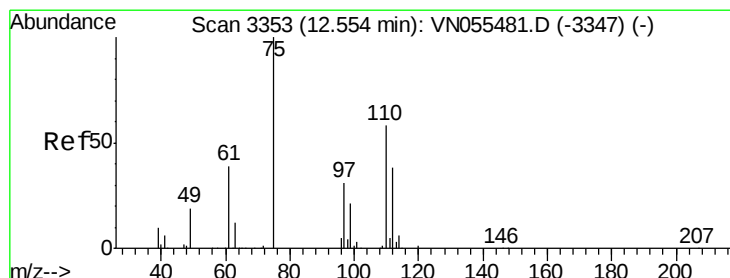
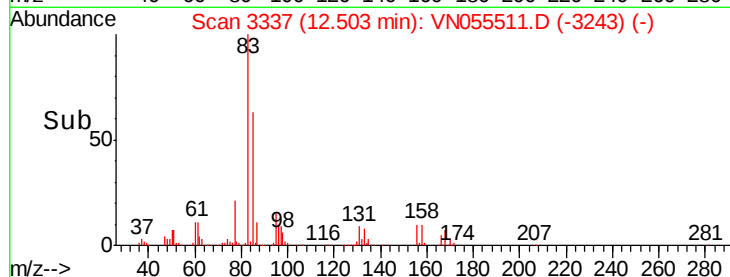
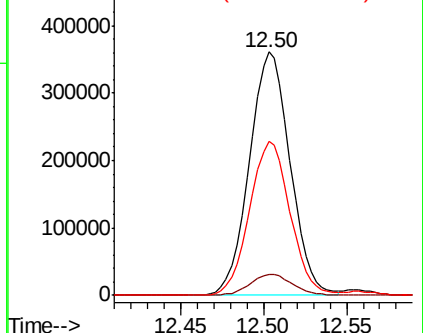
85 63.0 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 58.960 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055511.D

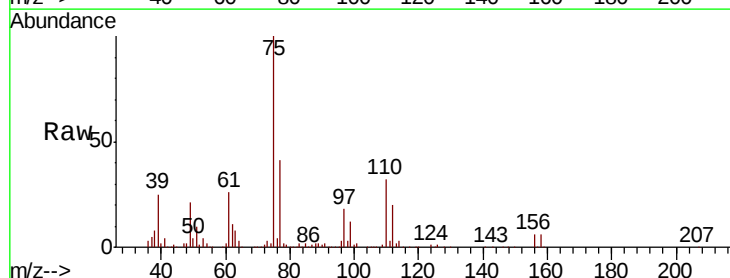
Acq: 9 May 2019 21:29

Tgt Ion: 75 Resp: 735334

Ion Ratio Lower Upper

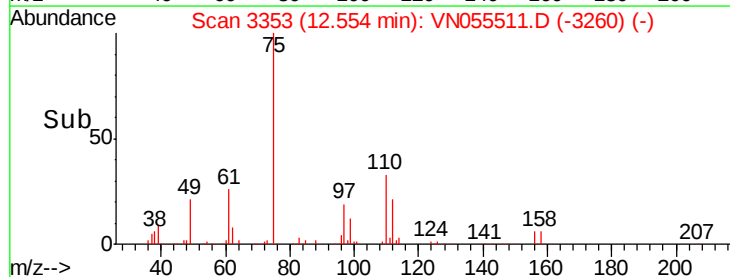
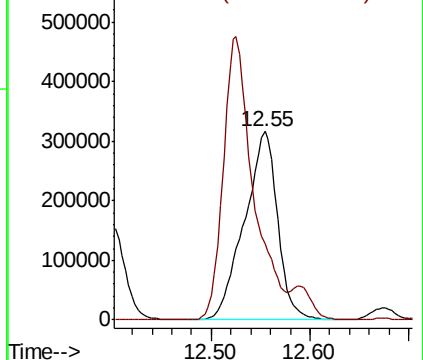
75 100

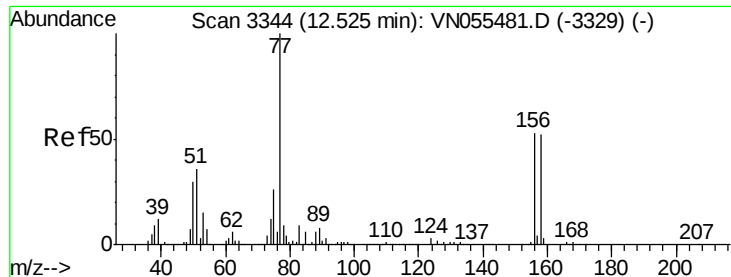
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 44.960 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

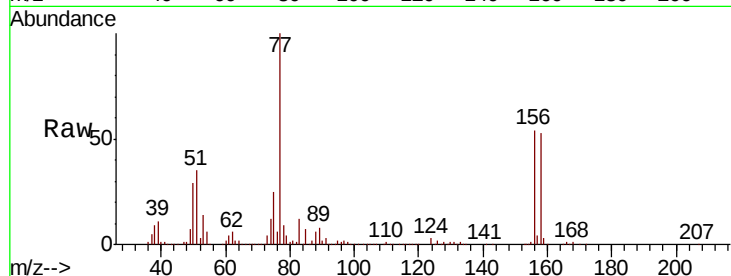
Tot Ion:156 Resp: 453919

Ion Ratio Lower Upper

156 100

77 224.5 115.4 346.2

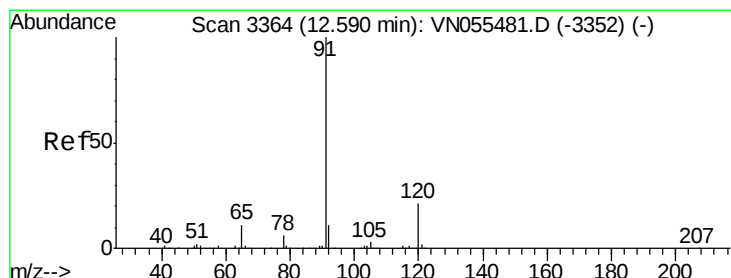
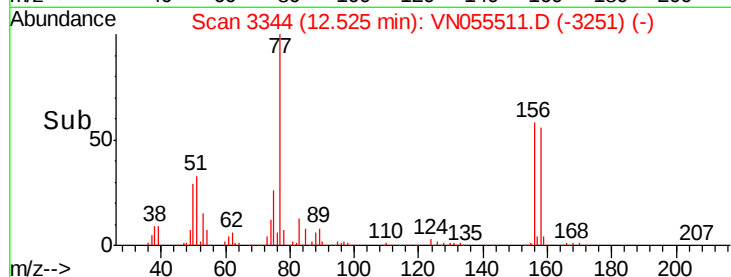
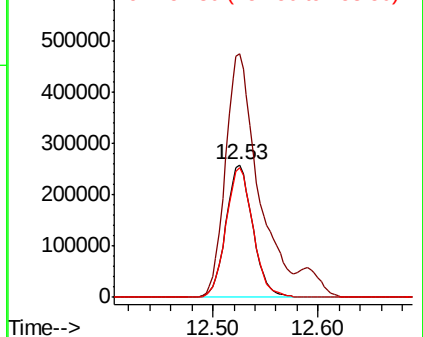
158 98.8 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.798 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055511.D

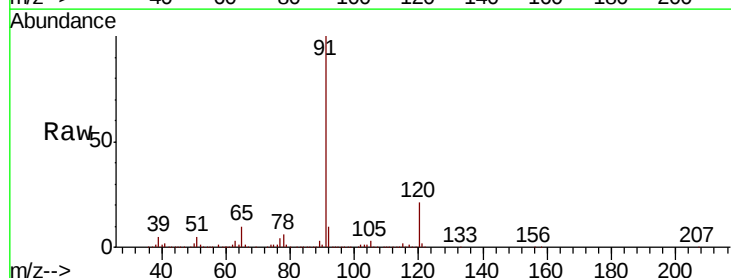
Acq: 9 May 2019 21:29

Tgt Ion: 91 Resp: 2250328

Ion Ratio Lower Upper

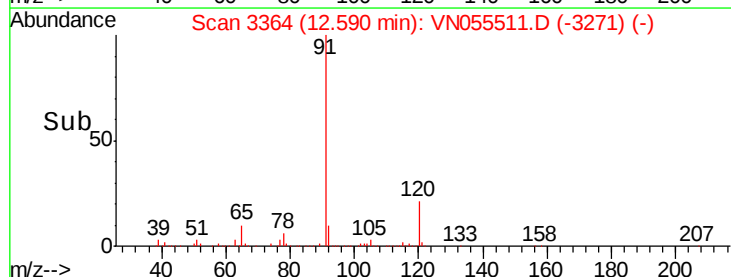
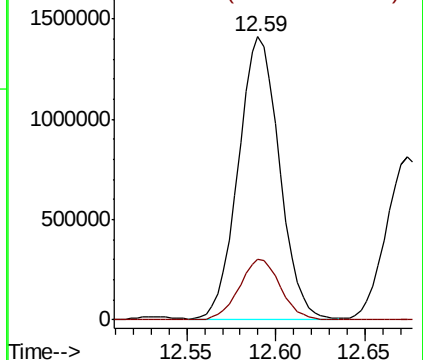
91 100

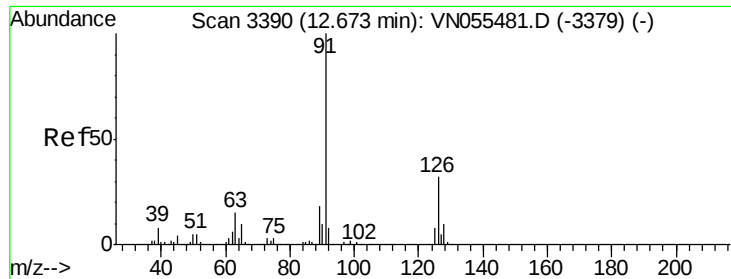
120 21.6 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

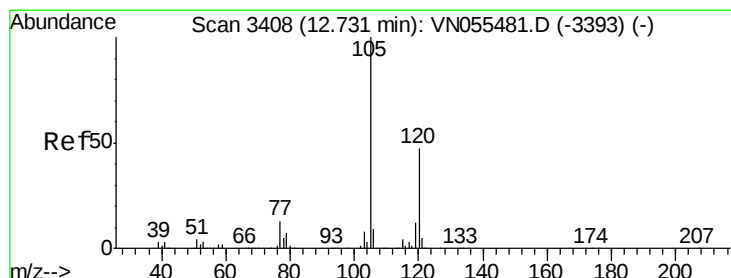
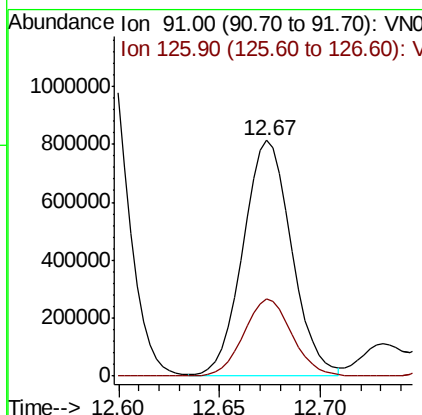
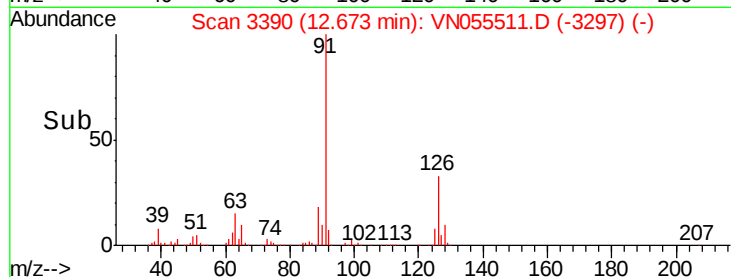
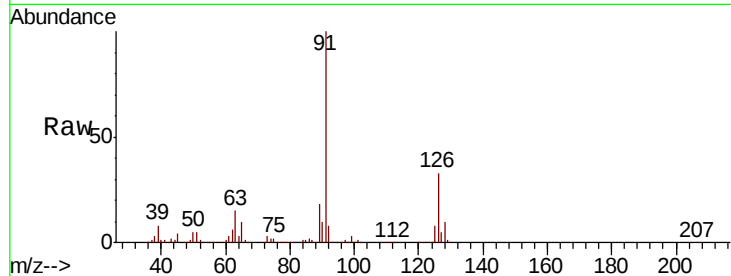




#79  
 2-Chlorotoluene  
 Concen: 44.399 ug/l  
 RT: 12.67 min Scan# 3390  
 Delta R.T. 0.00 min  
 Lab File: VN055511.D  
 Acq: 9 May 2019 21:29

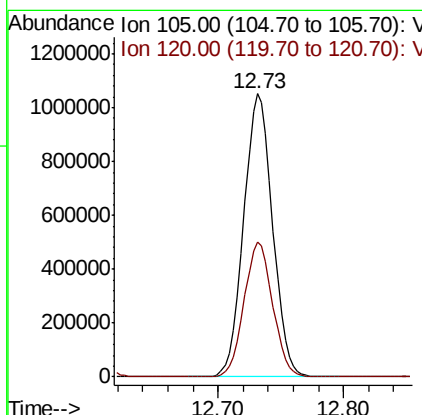
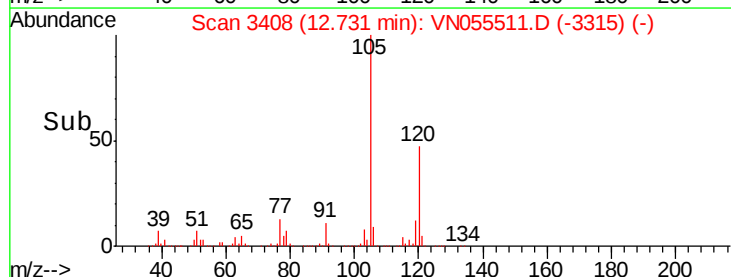
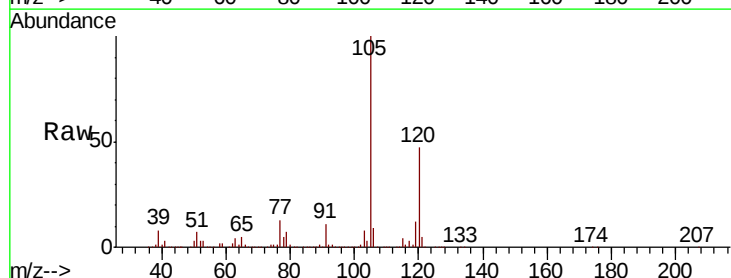
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050

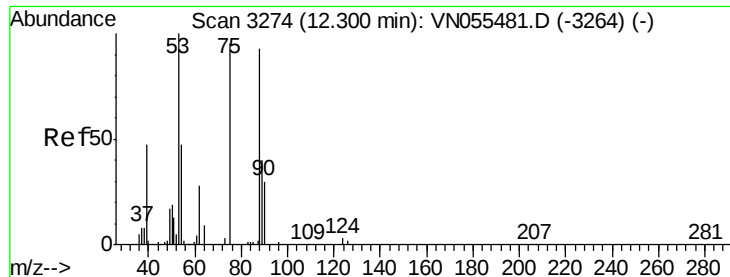
Tot Ion: 91 Resp: 1359604  
 Ion Ratio Lower Upper  
 91 100  
 126 32.9 16.0 47.9



#80  
 1,3,5-Trimethylbenzene  
 Concen: 45.735 ug/l  
 RT: 12.73 min Scan# 3408  
 Delta R.T. 0.00 min  
 Lab File: VN055511.D  
 Acq: 9 May 2019 21:29

Tgt Ion: 105 Resp: 1675647  
 Ion Ratio Lower Upper  
 105 100  
 120 47.2 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 45.097 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

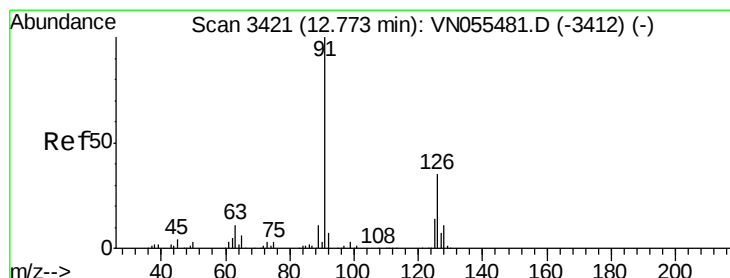
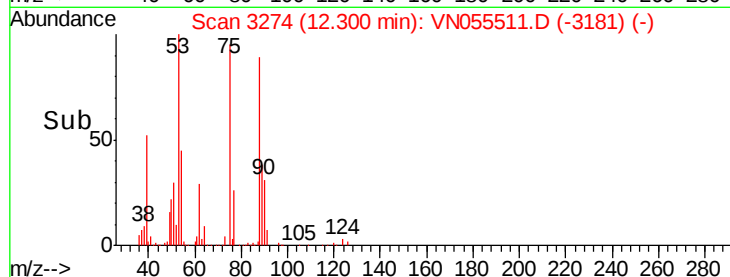
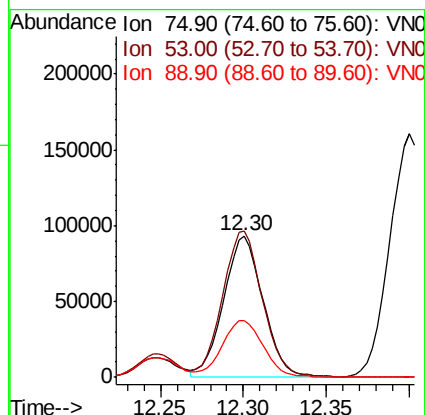
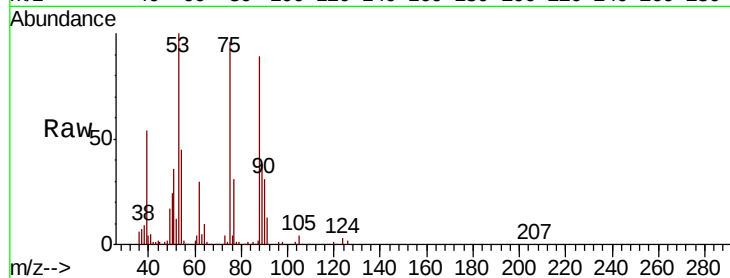
Tot Ion: 75 Resp: 152428

Ion Ratio Lower Upper

75 100

53 107.1 86.5 129.7

89 42.4 35.7 53.5



#82

4-Chlorotoluene

Concen: 46.312 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055511.D

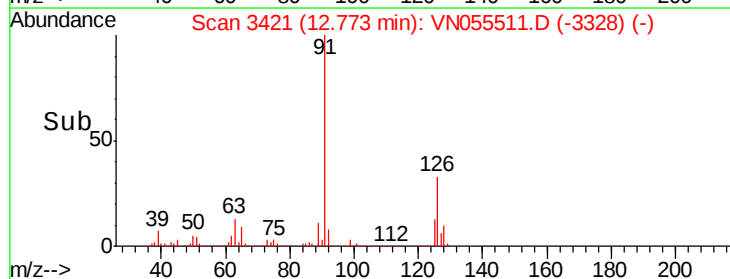
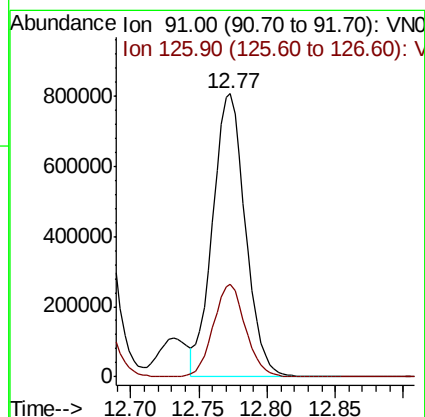
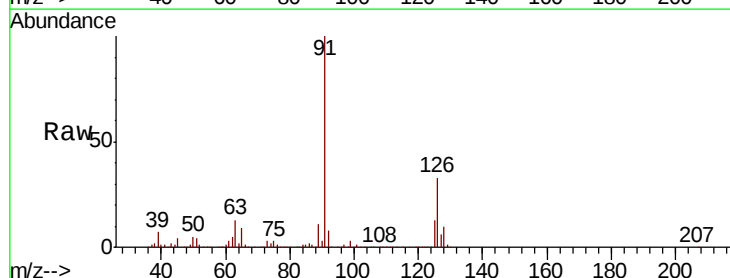
Acq: 9 May 2019 21:29

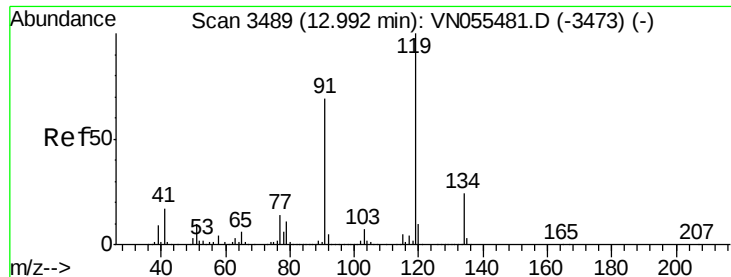
Tgt Ion: 91 Resp: 1340040

Ion Ratio Lower Upper

91 100

126 32.3 15.7 47.0

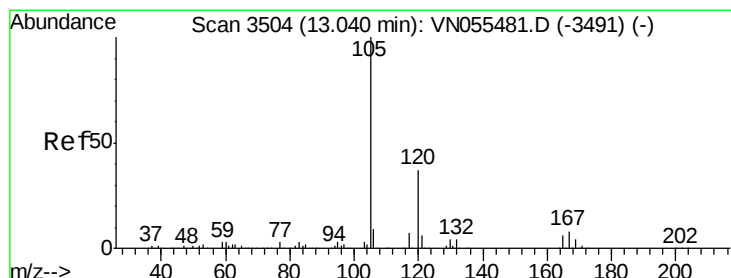
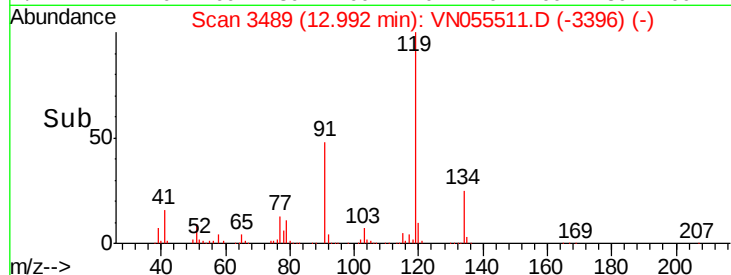
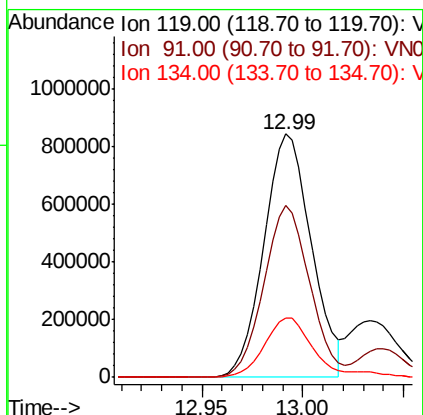
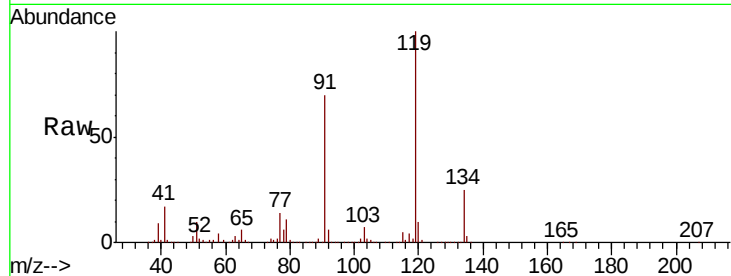




#83  
 tert-Butylbenzene  
 Concen: 44.079 ug/l  
 RT: 12.99 min Scan# 3489  
 Delta R.T. 0.00 min  
 Lab File: VN055511.D  
 Acq: 9 May 2019 21:29

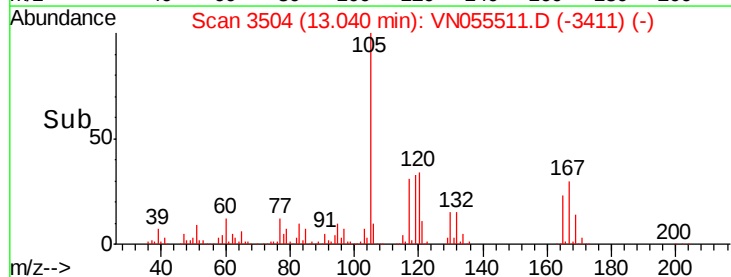
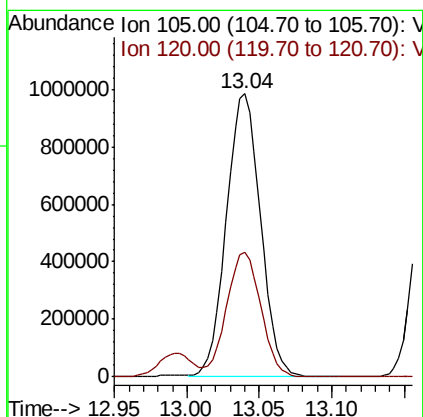
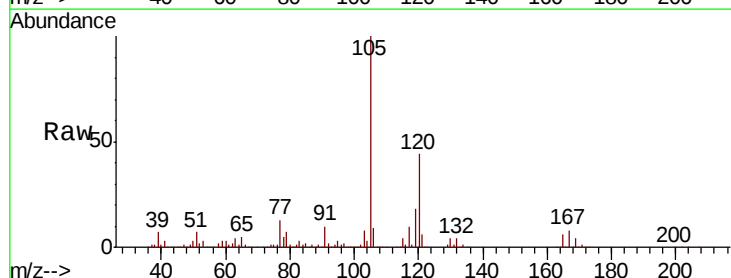
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

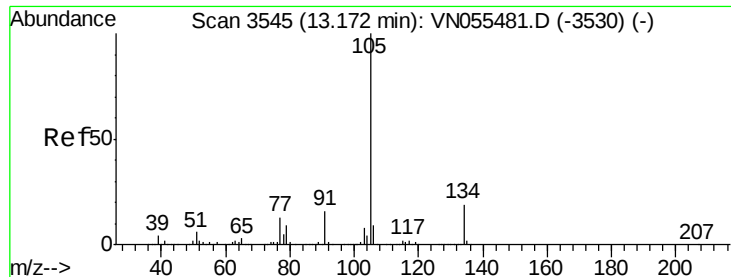
Tot Ion:119 Resp: 1384275  
 Ion Ratio Lower Upper  
 119 100  
 91 68.2 33.8 101.3  
 134 26.0 12.5 37.5



#84  
 1,2,4-Trimethylbenzene  
 Concen: 47.844 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN055511.D  
 Acq: 9 May 2019 21:29

Tgt Ion:105 Resp: 1607661  
 Ion Ratio Lower Upper  
 105 100  
 120 44.2 22.1 66.5

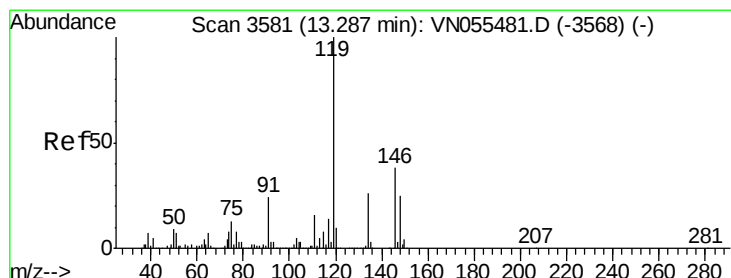
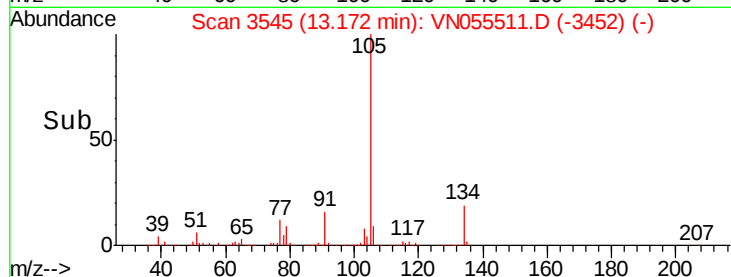
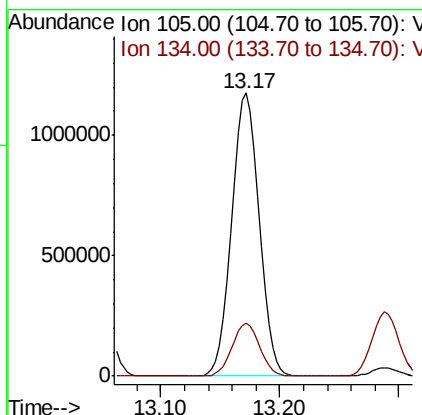
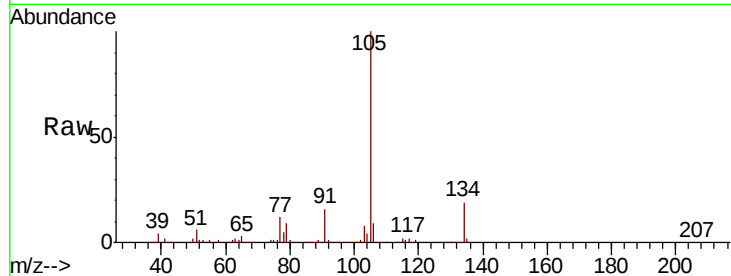




#85  
 sec-Butylbenzene  
 Concen: 45.037 ug/l  
 RT: 13.17 min Scan# 3545  
 Delta R.T. 0.00 min  
 Lab File: VN055511.D  
 Acq: 9 May 2019 21:29

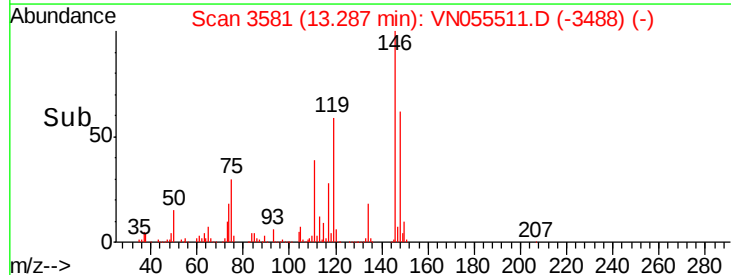
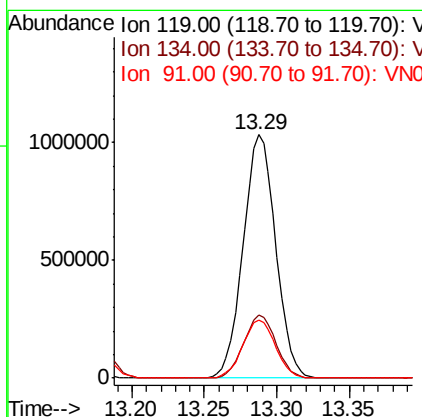
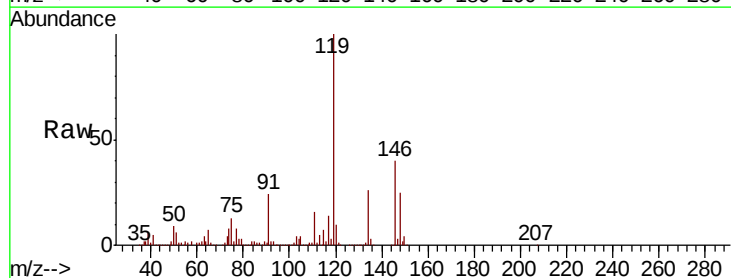
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

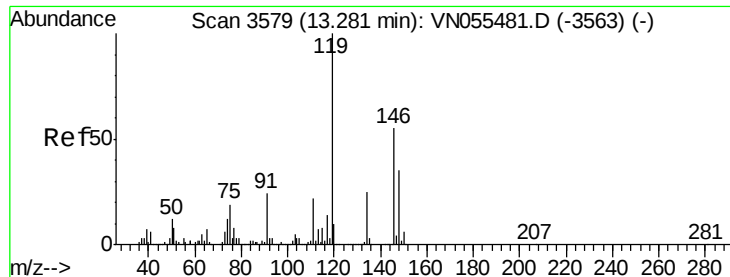
Tot Ion:105 Resp: 1879699  
 Ion Ratio Lower Upper  
 105 100  
 134 18.8 9.3 28.0



#86  
 p-Isopropyltoluene  
 Concen: 47.308 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. 0.00 min  
 Lab File: VN055511.D  
 Acq: 9 May 2019 21:29

Tgt Ion:119 Resp: 1606943  
 Ion Ratio Lower Upper  
 119 100  
 134 26.1 12.8 38.4  
 91 23.9 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 48.923 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

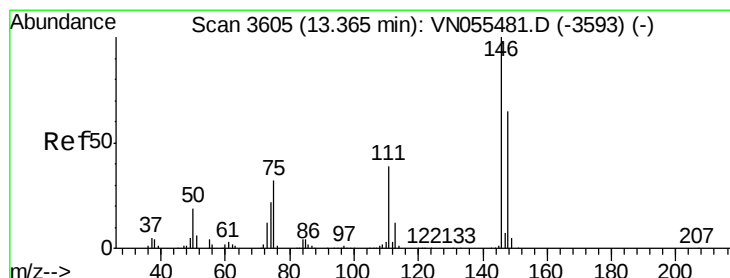
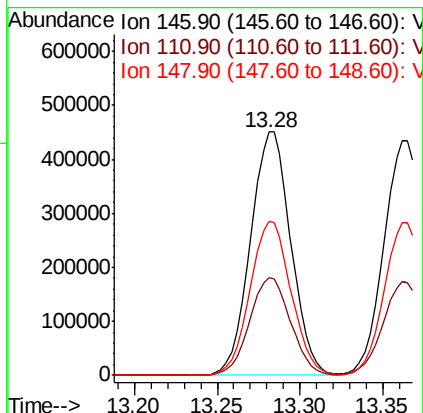
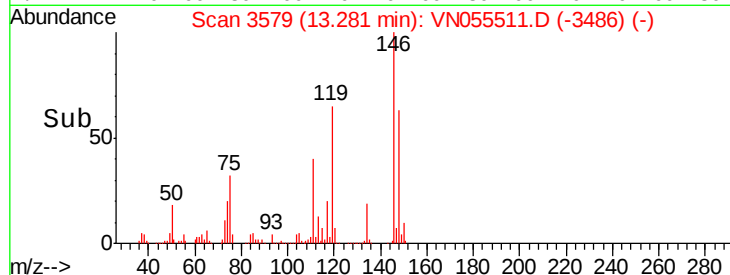
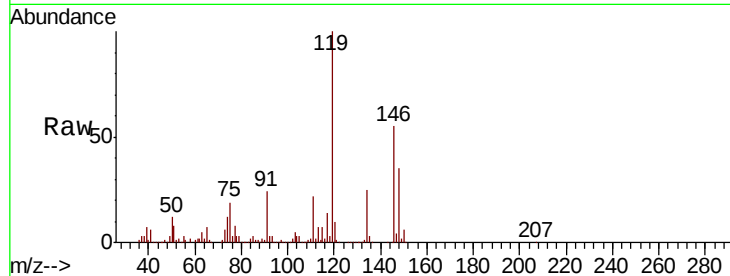
Tot Ion:146 Resp: 763242

Ion Ratio Lower Upper

146 100

111 40.6 20.4 61.3

148 64.1 32.1 96.5



#88

1,4-Dichlorobenzene

Concen: 48.250 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

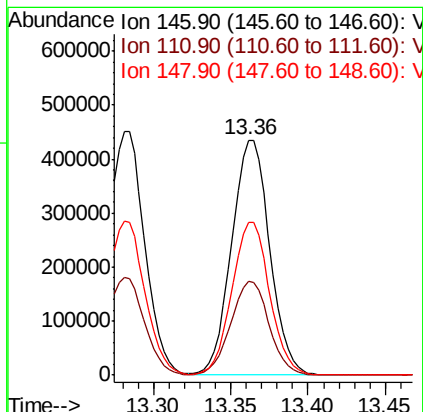
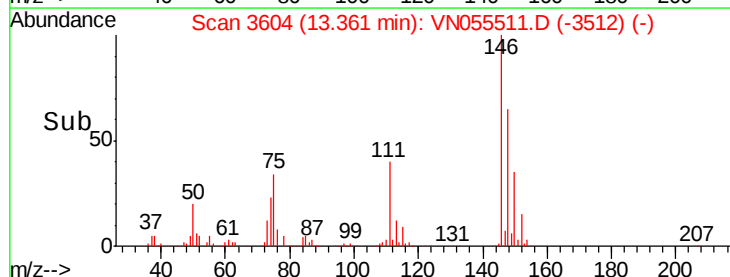
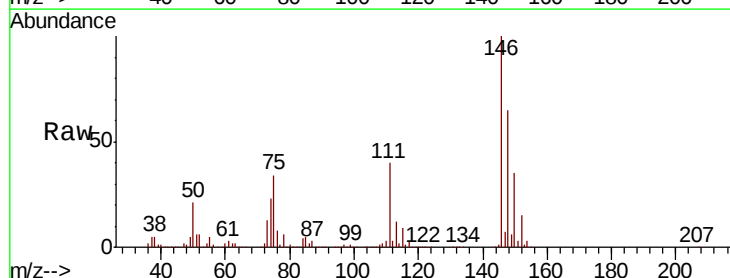
Tgt Ion:146 Resp: 742868

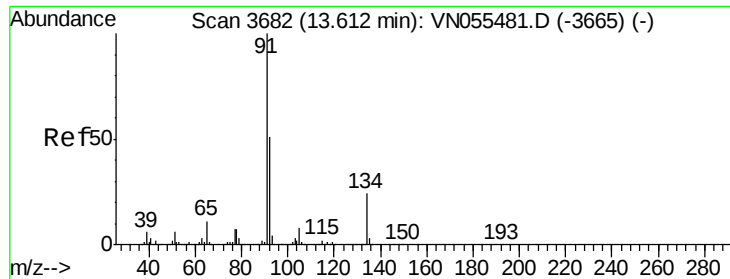
Ion Ratio Lower Upper

146 100

111 40.0 19.6 58.8

148 64.4 32.5 97.4





#89

n-Butylbenzene

Concen: 48.627 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

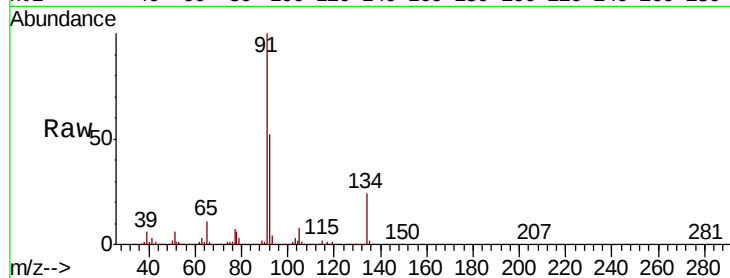
Tot Ion: 91 Resp: 1280316

Ion Ratio Lower Upper

91 100

92 52.3 25.9 77.7

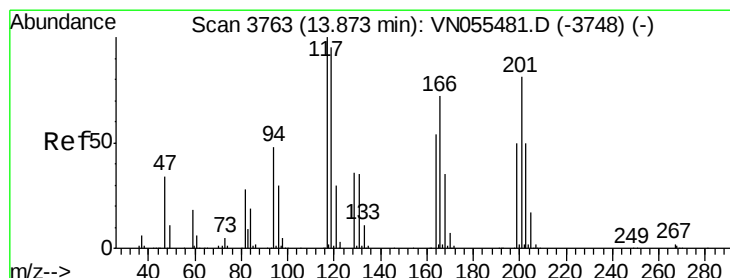
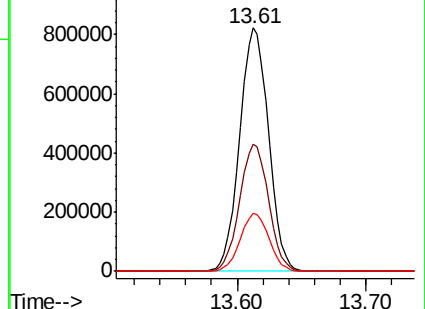
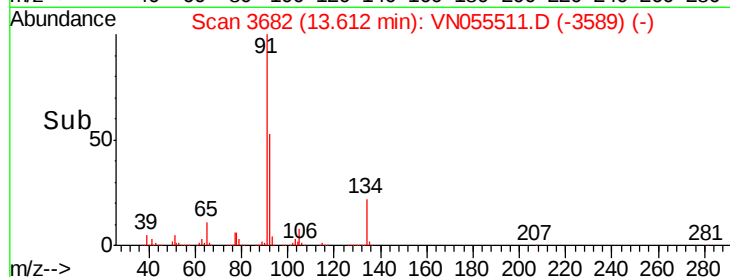
134 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN055511.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN055511.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN055511.D (-3682) (-)



#90

Hexachloroethane

Concen: 45.753 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055511.D

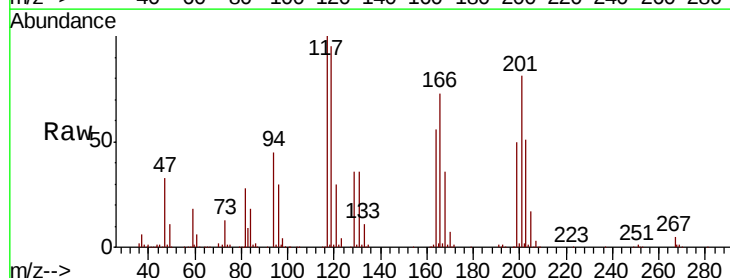
Acq: 9 May 2019 21:29

Tgt Ion: 117 Resp: 253518

Ion Ratio Lower Upper

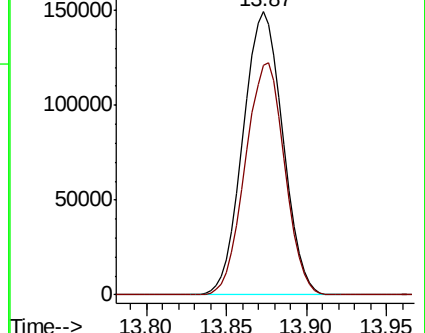
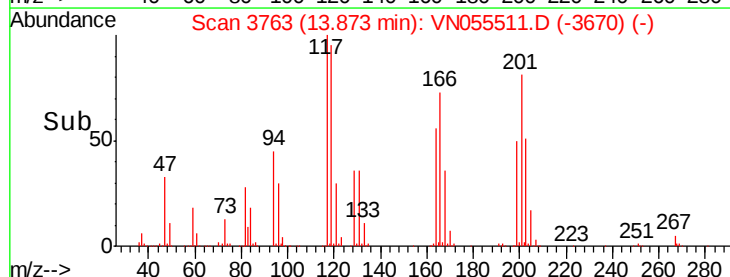
117 100

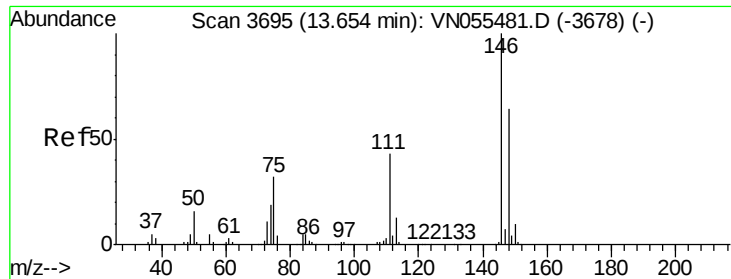
201 81.2 40.1 120.2



Abundance Ion 116.80 (116.50 to 117.50): VN055511.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN055511.D (-3763) (-)





#91

1,2-Dichlorobenzene

Concen: 48.728 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

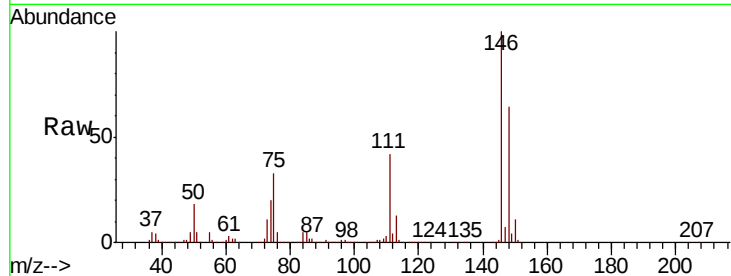
Tot Ion:146 Resp: 759770

Ion Ratio Lower Upper

146 100

111 41.7 21.3 63.7

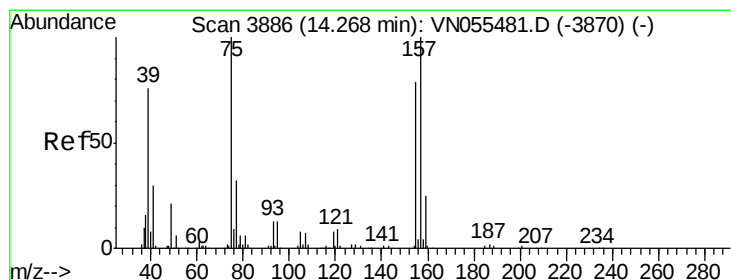
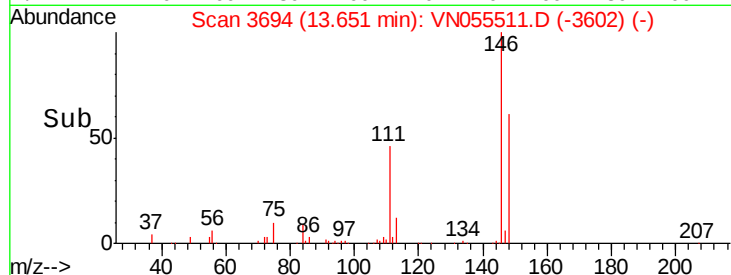
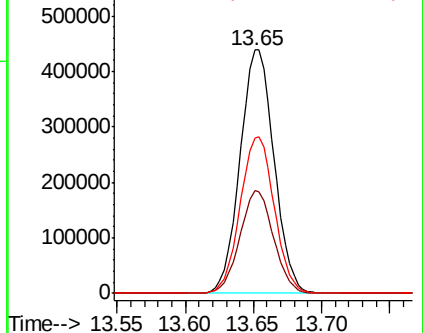
148 64.5 31.9 95.9



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: 44.801 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

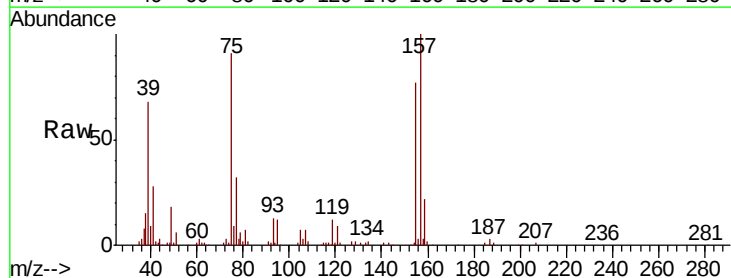
Tgt Ion: 75 Resp: 94380

Ion Ratio Lower Upper

75 100

155 81.1 39.3 117.8

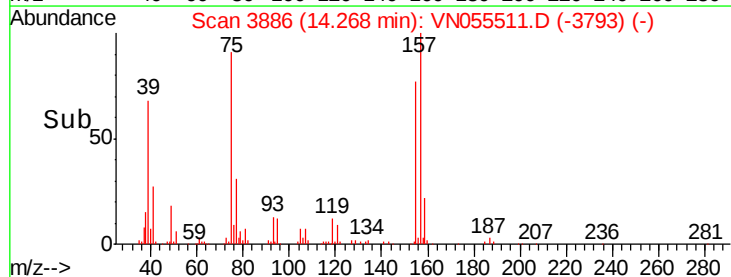
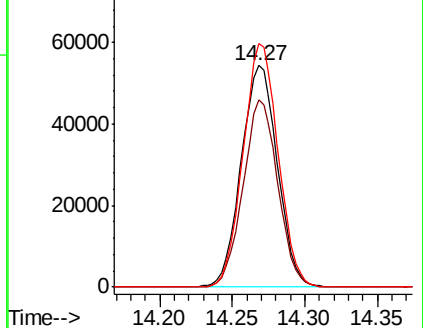
157 106.2 50.6 151.8

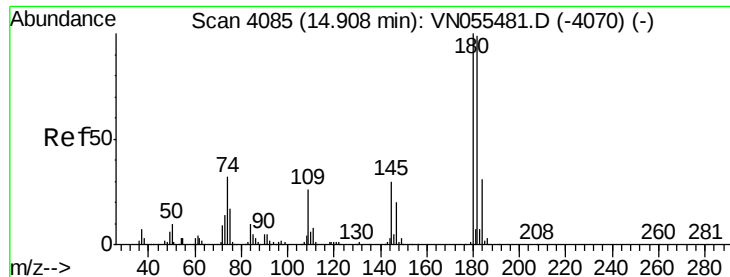


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

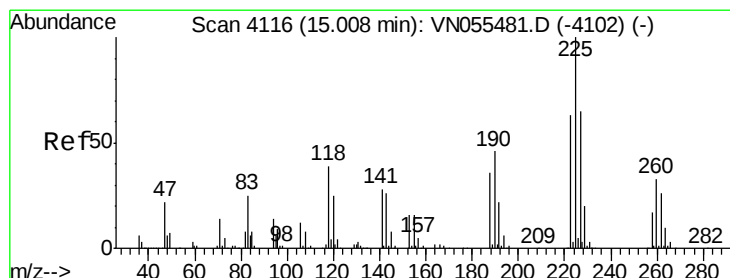
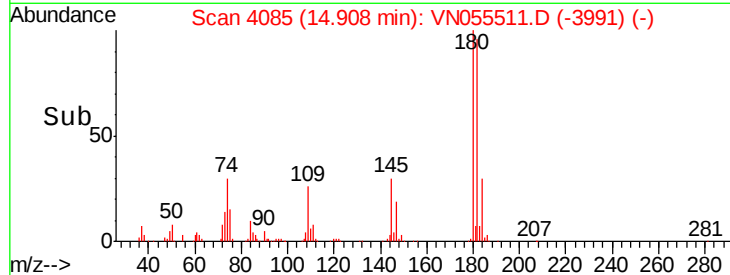
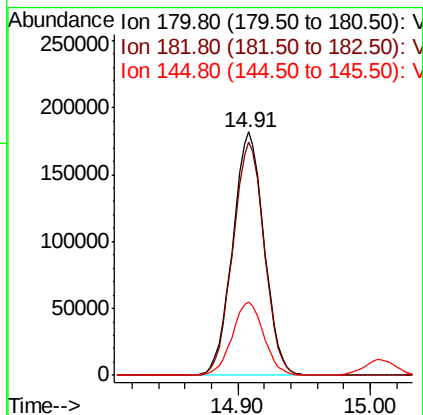
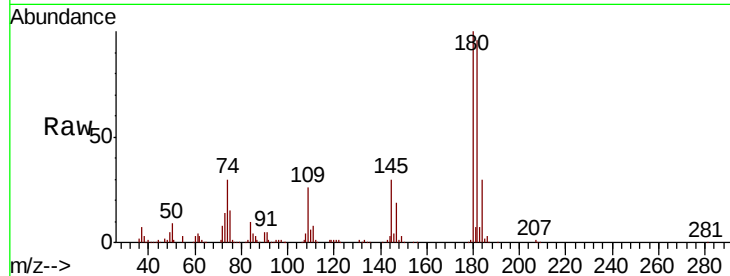




#93  
 1,2,4-Trichlorobenzene  
 Concen: 44.360 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN055511.D  
 Acq: 9 May 2019 21:29

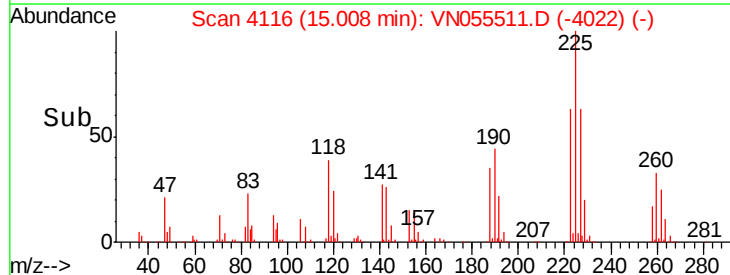
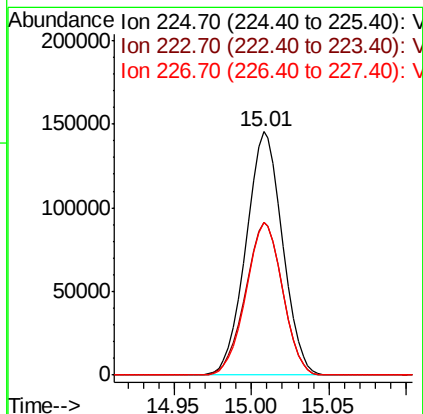
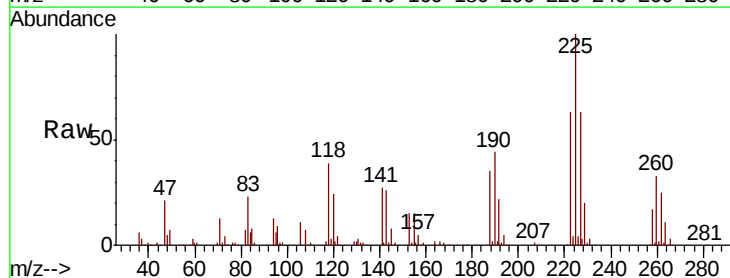
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

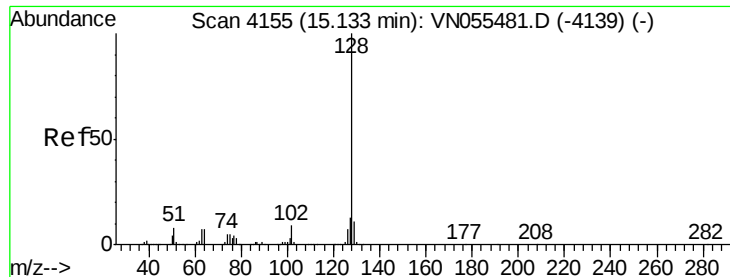
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.8  | 48.7  | 146.1 |
| 145     | 30.3  | 15.3  | 45.9  |



#94  
 Hexachlorobutadiene  
 Concen: 51.879 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN055511.D  
 Acq: 9 May 2019 21:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.6  | 31.4  | 94.3  |
| 227     | 62.6  | 32.0  | 96.0  |

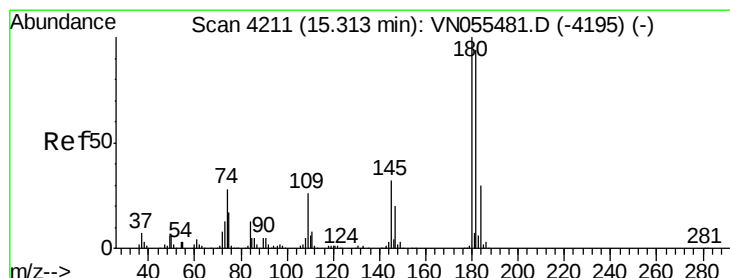
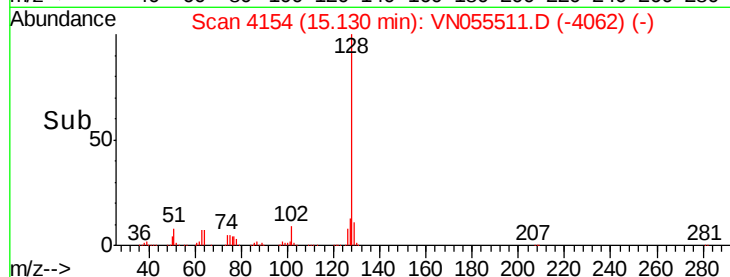
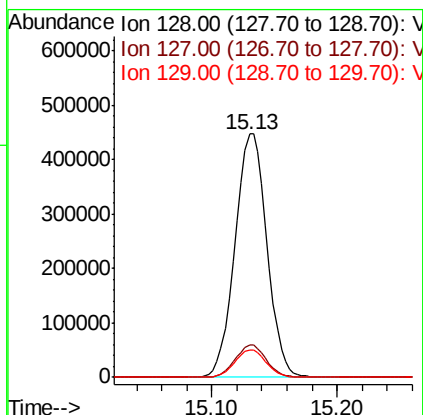
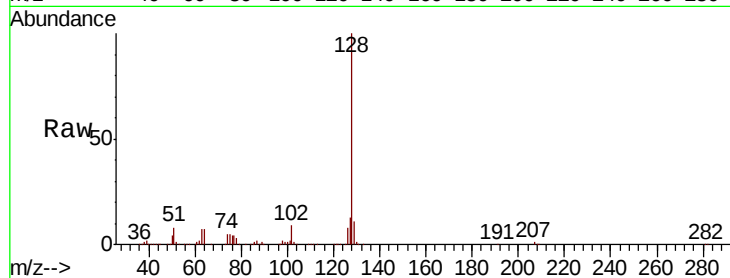




#95  
Naphthalene  
Concen: 41.841 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. -0.00 min  
Lab File: VN055511.D  
Acq: 9 May 2019 21:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:128 Resp: 789475  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.0 15.0  
129 11.1 8.8 13.2



#96  
1,2,3-Trichlorobenzene  
Concen: 44.571 ug/l  
RT: 15.31 min Scan# 4211  
Delta R.T. 0.00 min  
Lab File: VN055511.D  
Acq: 9 May 2019 21:29

Tgt Ion:180 Resp: 325634  
Ion Ratio Lower Upper  
180 100  
182 95.6 47.1 141.3  
145 31.6 15.8 47.4

