

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\  
 Data File : VN054331.D  
 Acq On : 16 Mar 2019 11:59  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Mar 18 04:48:44 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031219W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 13 03:33:31 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 1439454  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 2116563  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1869636  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 908675   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 734075   | 48.02 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.04%  |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 686162   | 50.26 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.52% |      |
| 50) Toluene-d8            | 10.09  | 98  | 2529501  | 50.17 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.34% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 882635   | 50.04 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.08% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 690083  | 50.584  | ug/l | 100    |
| 3) Chloromethane              | 2.06 | 50  | 595590  | 44.944  | ug/l | 100    |
| 4) Vinyl Chloride             | 2.19 | 62  | 695365  | 45.910  | ug/l | 99     |
| 5) Bromomethane               | 2.57 | 94  | 471804  | 44.975  | ug/l | 98     |
| 6) Chloroethane               | 2.71 | 64  | 414166  | 45.193  | ug/l | 97     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 915367  | 45.455  | ug/l | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 457327  | 49.835  | ug/l | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101 | 783963  | 51.951  | ug/l | 99     |
| 10) Methyl Iodide             | 3.94 | 142 | 1021720 | 47.746  | ug/l | 100    |
| 11) Tert butyl alcohol        | 4.82 | 59  | 248102  | 236.740 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 3.73 | 96  | 725035  | 48.483  | ug/l | 100    |
| 13) Acrolein                  | 3.60 | 56  | 208300  | 209.755 | ug/l | 100    |
| 14) Allyl chloride            | 4.31 | 41  | 916702  | 47.777  | ug/l | 100    |
| 15) Acrylonitrile             | 4.99 | 53  | 1129765 | 262.440 | ug/l | 100    |
| 16) Acetone                   | 3.82 | 43  | 1120675 | 256.035 | ug/l | 100    |
| 17) Carbon Disulfide          | 4.04 | 76  | 1620094 | 43.216  | ug/l | 99     |
| 18) Methyl Acetate            | 4.33 | 43  | 530499  | 59.906  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 1861782 | 50.227  | ug/l | 99     |
| 20) Methylene Chloride        | 4.55 | 84  | 705964  | 49.120  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 5.03 | 96  | 695368  | 48.531  | ug/l | 99     |
| 22) Diisopropyl ether         | 5.96 | 45  | 1965689 | 51.332  | ug/l | 97     |
| 23) Vinyl Acetate             | 5.90 | 43  | 7120354 | 252.189 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 1216421 | 49.473  | ug/l | 100    |
| 25) 2-Butanone                | 6.85 | 43  | 1446914 | 281.649 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 985623  | 45.583  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 810253  | 50.689  | ug/l | 98     |
| 28) Bromochloromethane        | 7.19 | 49  | 485531  | 48.303  | ug/l | 98     |
| 29) Tetrahydrofuran           | 7.22 | 42  | 855188  | 258.906 | ug/l | 98     |
| 30) Chloroform                | 7.37 | 83  | 1306376 | 50.917  | ug/l | 99     |
| 31) Cyclohexane               | 7.65 | 56  | 1103915 | 47.973  | ug/l | 100    |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 1121566 | 48.402  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 976977  | 50.123  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.94 | 43  | 588883  | 52.580  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 999673  | 48.906  | ug/l | 98     |

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

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Mar 18 04:48:44 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031219W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 13 03:33:31 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 1229119  | 51.251   | ug/l   | 98       |
| 40) Benzene                    | 8.04  | 78   | 2865510  | 51.374   | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.17  | 41   | 323907   | 50.652   | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 948493   | 50.368   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.17  | 43   | 994240   | 50.575   | ug/l   | 98       |
| 44) Trichloroethene            | 8.83  | 130  | 872081   | 50.330   | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 721945   | 52.126   | ug/l   | 100      |
| 46) Dibromomethane             | 9.21  | 93   | 474354   | 50.690   | ug/l   | 100      |
| 47) Bromodichloromethane       | 9.40  | 83   | 971286   | 51.774   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.20  | 41   | 532974   | 53.423   | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 159218   | 1128.284 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 2874822  | 276.334  | ug/l   | 98       |
| 52) Toluene                    | 10.16 | 92   | 1828962  | 51.714   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 942829   | 44.181   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 1112754  | 50.900   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 676863   | 52.414   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 836408   | 54.319   | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 1116139  | 52.858   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 1621890  | 243.273  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 1930305  | 278.848  | ug/l   | 98       |
| 60) Dibromochloromethane       | 10.90 | 129  | 757328   | 52.103   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 691415   | 52.687   | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 866810   | 47.952   | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 2104136  | 51.255   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 772861   | 51.824   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 3487145  | 51.243   | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 2728377  | 102.580  | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 1351321  | 52.118   | ug/l   | 97       |
| 70) Styrene                    | 11.96 | 104  | 2133156  | 52.458   | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 501097   | 44.357   | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.25 | 105  | 3541293  | 48.711   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 818111   | 50.698   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 792103   | 51.140   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 940893   | 70.413   | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 930977   | 48.394   | ug/l   | 100      |
| 78) n-propylbenzene            | 12.59 | 91   | 3890532  | 49.320   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 2323291  | 48.983   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 2929847  | 48.451   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 167897   | 42.952   | ug/l   | 91       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 2339851  | 49.405   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 2651959  | 47.646   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 2913862  | 49.117   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 3448186  | 47.770   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 3061586  | 48.346   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 1619215  | 49.952   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 1569326  | 49.282   | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 2448506  | 50.888   | ug/l   | 99       |
| 90) Hexachloroethane           | 13.88 | 117  | 470930   | 44.911   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 1586397  | 50.061   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 113185   | 47.223   | ug/l   | 95       |

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Acq On : 16 Mar 2019 11:59  
Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 2 Sample Multiplier: 1

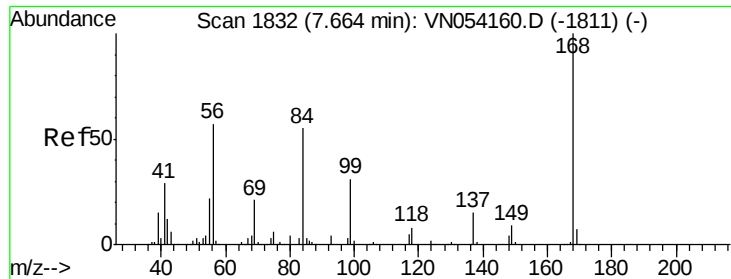
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Quant Time: Mar 18 04:48:44 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031219W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 13 03:33:31 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 873620   | 45.882 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 551919   | 45.725 | ug/l  | 100      |
| 95) Naphthalene            | 15.13 | 128  | 1815645  | 45.865 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 858662   | 50.998 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

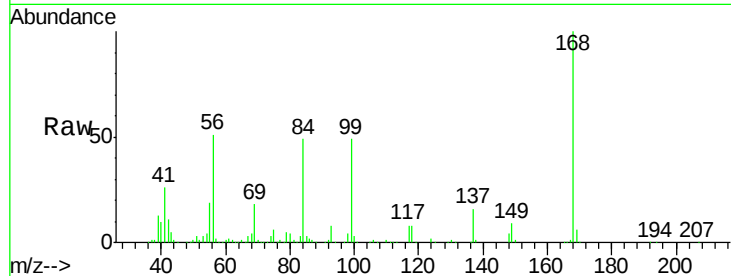
VSTDCCC050

Tot Ion:168 Resp: 1439454

Ion Ratio Lower Upper

168 100

99 47.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

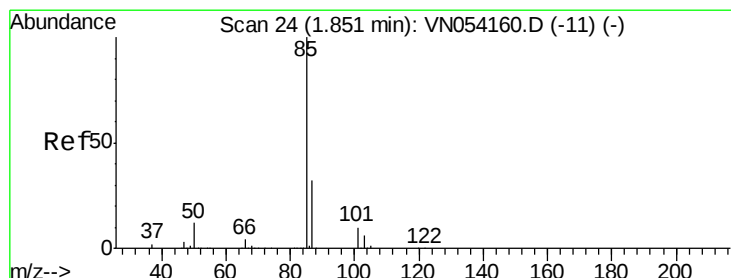
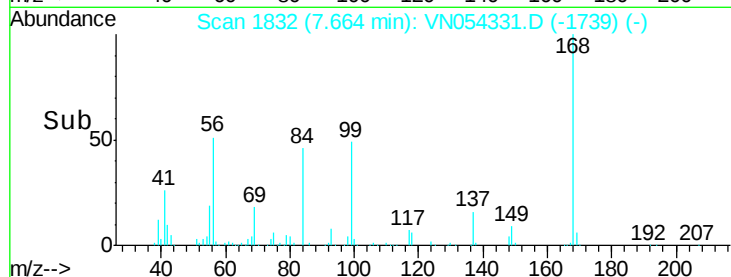
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.584 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054331.D

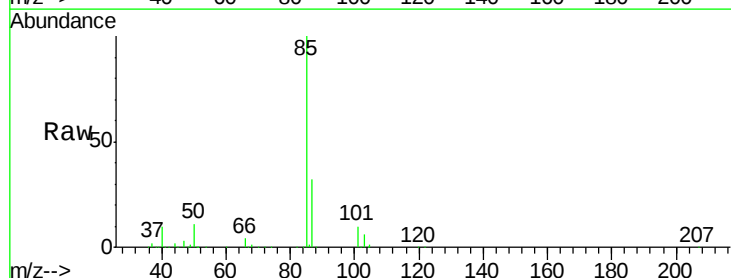
Acq: 16 Mar 2019 11:59

Tgt Ion: 85 Resp: 690083

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

600000

500000

400000

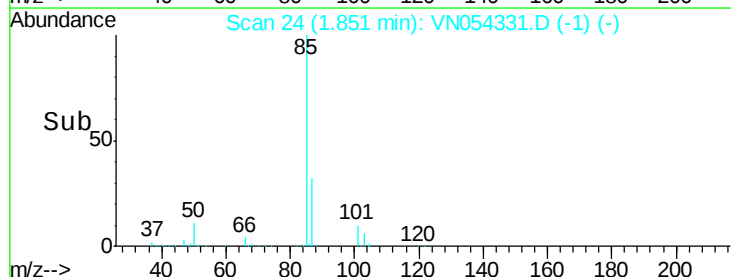
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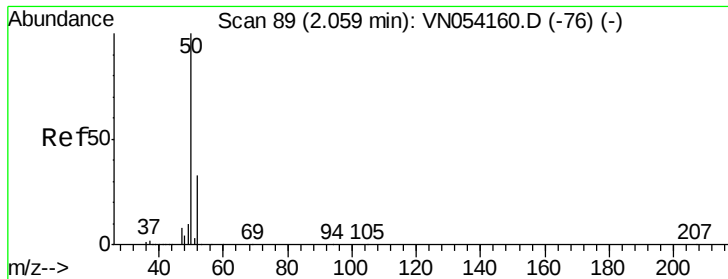
200000

100000

0

Time-->





#3

Chloromethane

Concen: 44.944 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

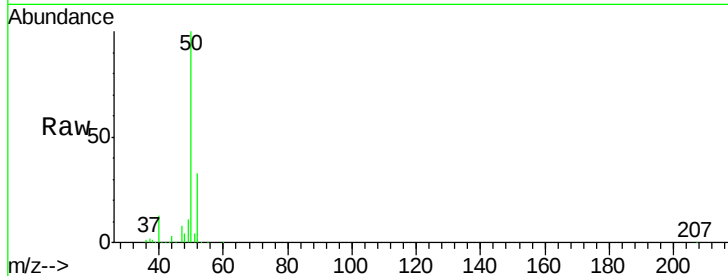
VSTDCCC050

Tot Ion: 50 Resp: 595590

Ion Ratio Lower Upper

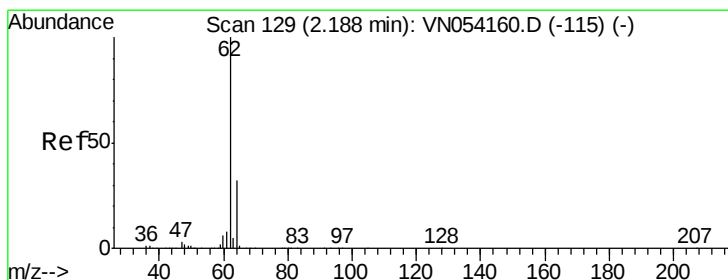
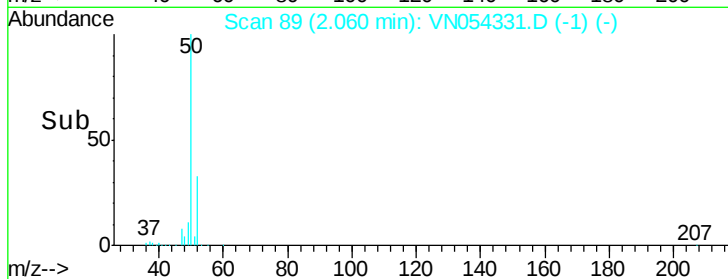
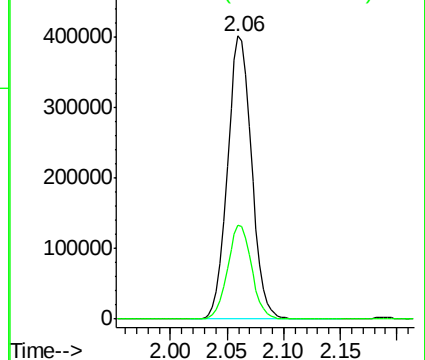
50 100

52 33.2 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 45.910 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054331.D

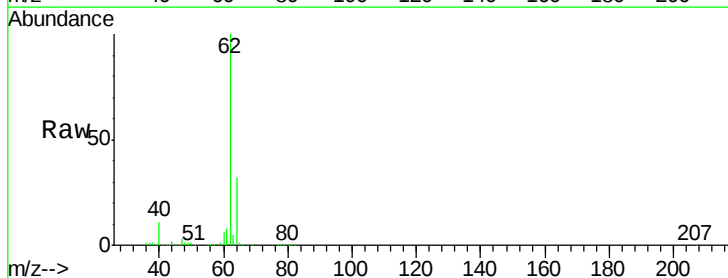
Acq: 16 Mar 2019 11:59

Tgt Ion: 62 Resp: 695365

Ion Ratio Lower Upper

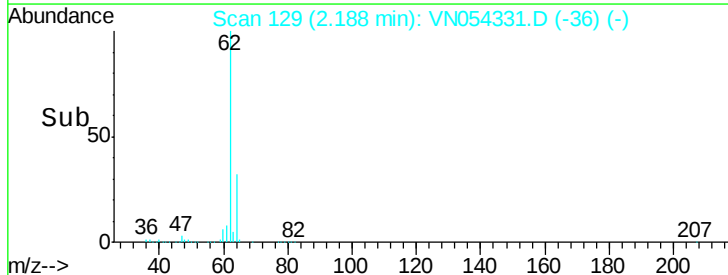
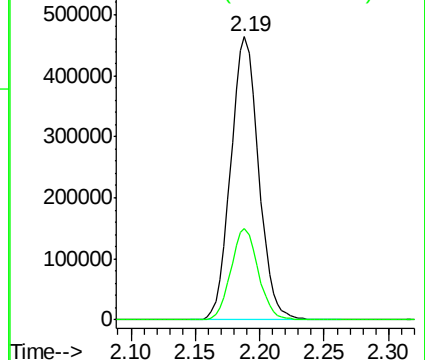
62 100

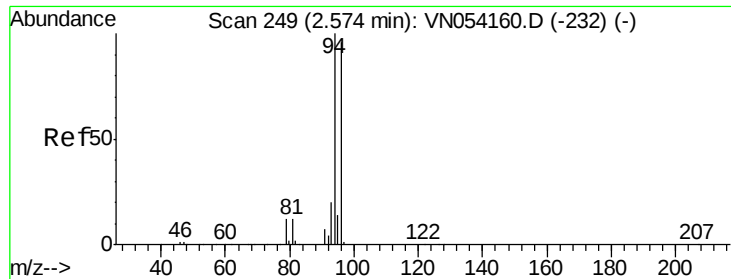
64 32.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 44.975 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

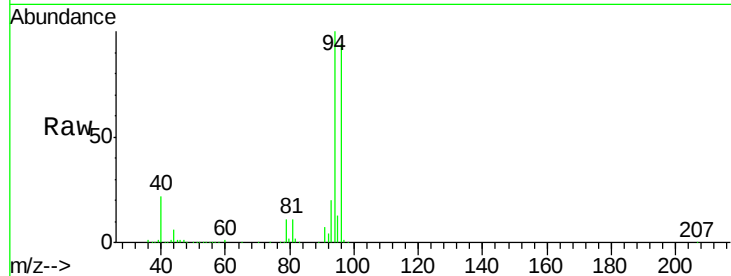
VSTDCCC050

Tot Ion: 94 Resp: 471804

Ion Ratio Lower Upper

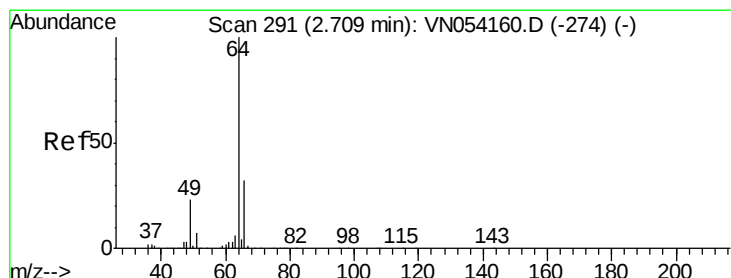
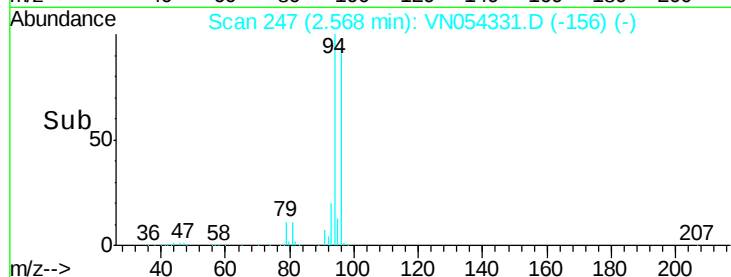
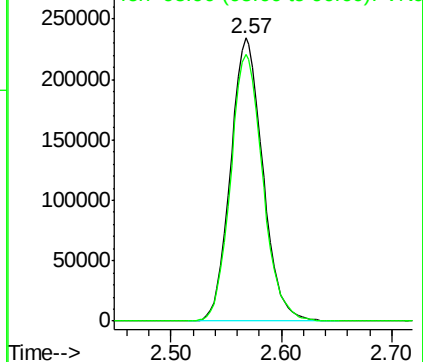
94 100

96 94.5 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 45.193 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054331.D

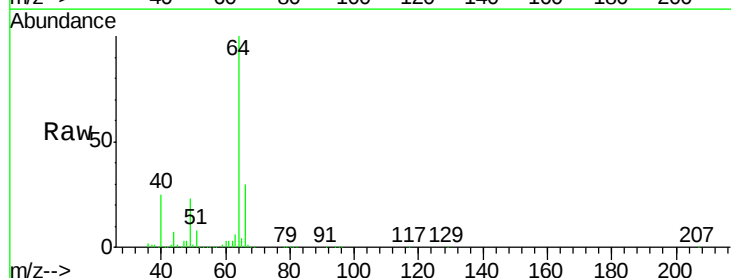
Acq: 16 Mar 2019 11:59

Tgt Ion: 64 Resp: 414166

Ion Ratio Lower Upper

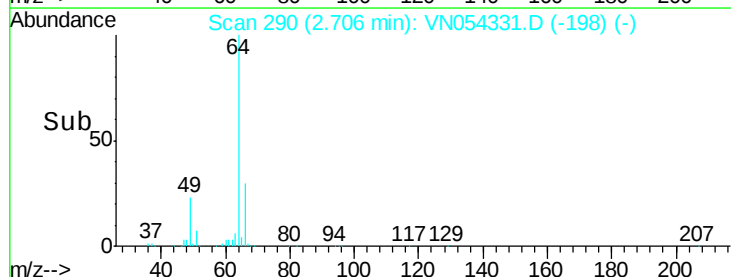
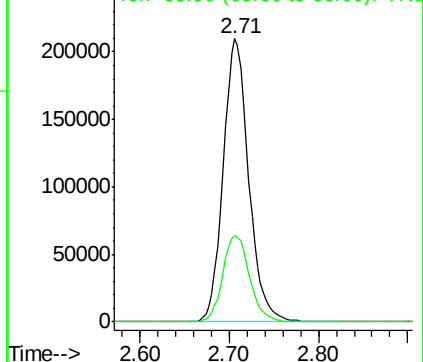
64 100

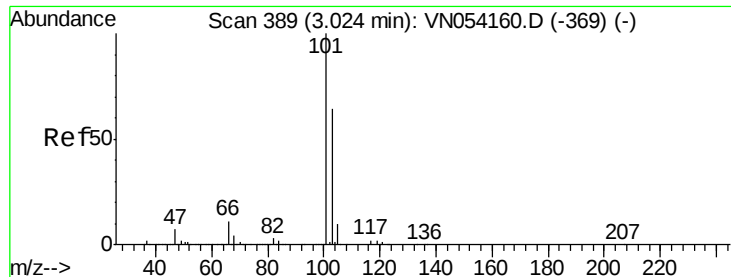
66 30.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



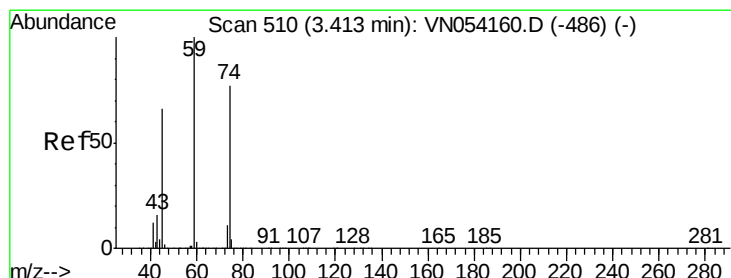
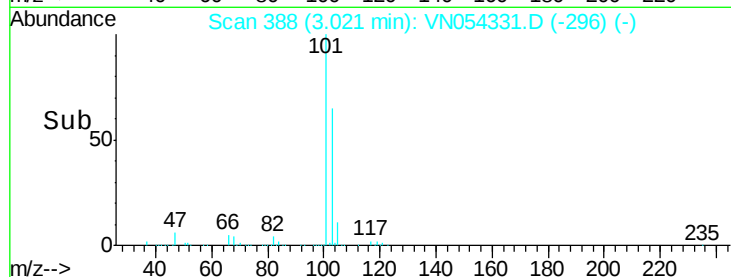
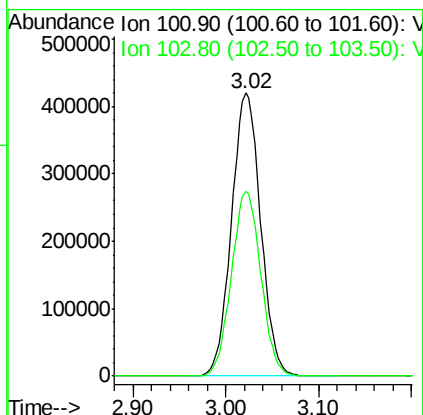
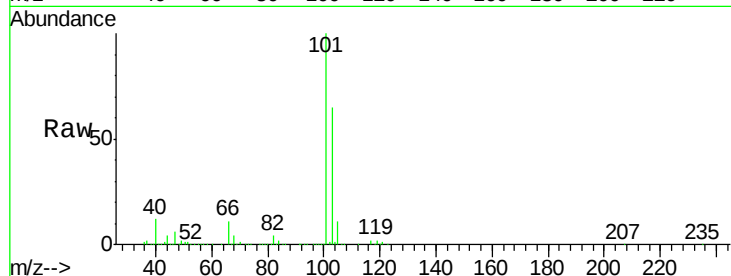


#7

Trichlorofluoromethane  
Concen: 45.455 ug/l  
RT: 3.02 min Scan# 388  
Delta R.T. -0.00 min  
Lab File: VN054331.D  
Acq: 16 Mar 2019 11:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

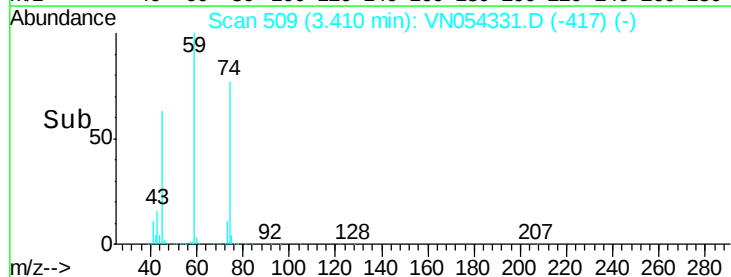
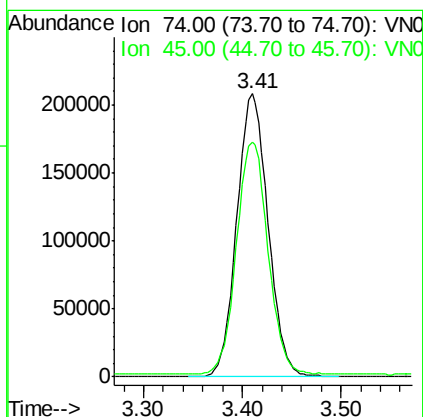
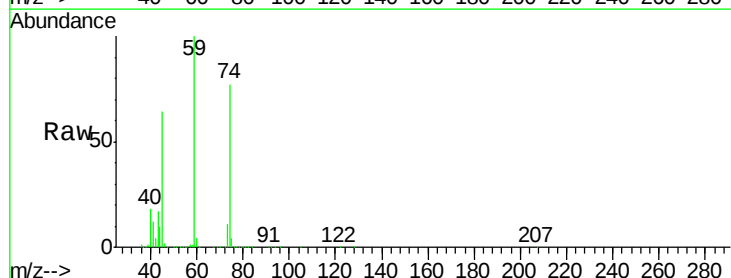
Tot Ion:101 Resp: 915367  
Ion Ratio Lower Upper  
101 100  
103 65.5 51.4 77.2

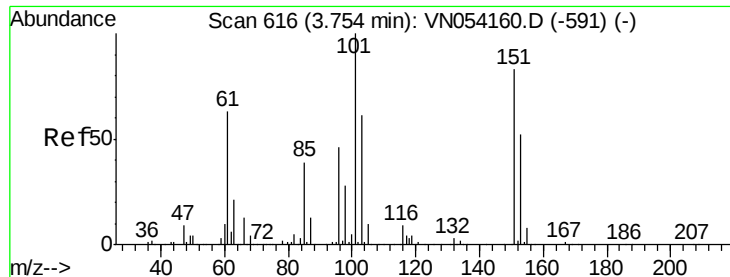


#8

Diethyl Ether  
Concen: 49.835 ug/l  
RT: 3.41 min Scan# 509  
Delta R.T. -0.00 min  
Lab File: VN054331.D  
Acq: 16 Mar 2019 11:59

Tgt Ion: 74 Resp: 457327  
Ion Ratio Lower Upper  
74 100  
45 82.5 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.951 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

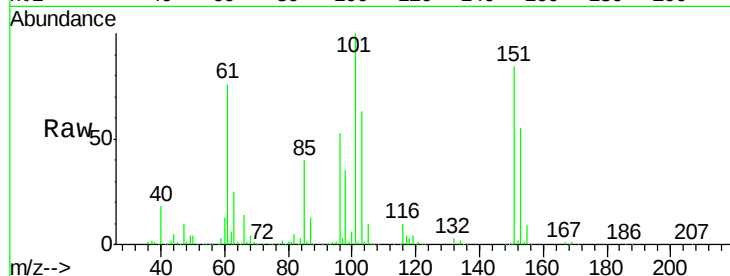
Tot Ion:101 Resp: 783963

Ion Ratio Lower Upper

101 100

85 39.9 32.4 48.6

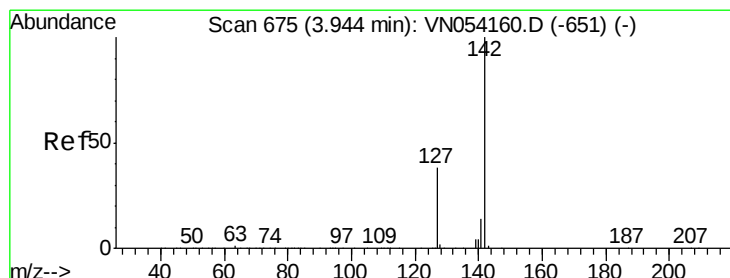
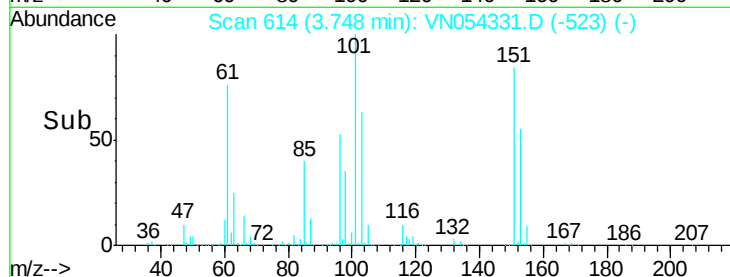
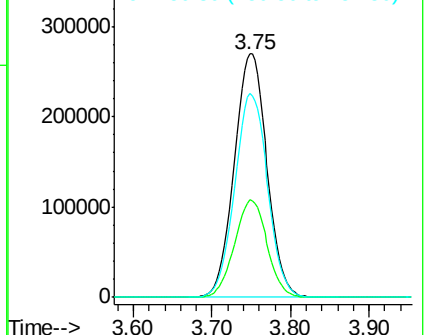
151 84.4 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.746 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

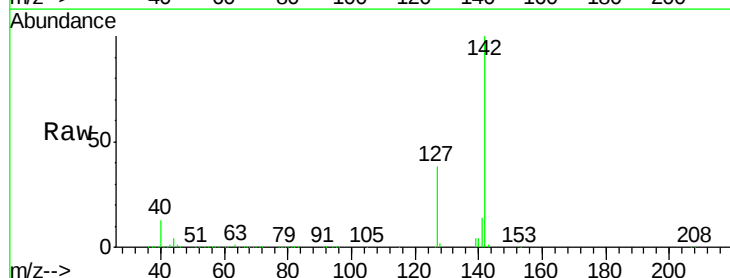
Tgt Ion:142 Resp: 1021720

Ion Ratio Lower Upper

142 100

127 37.9 30.3 45.5

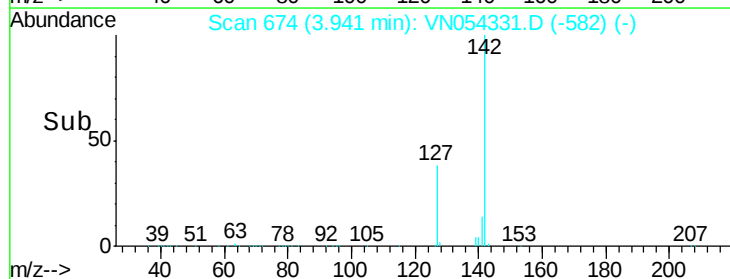
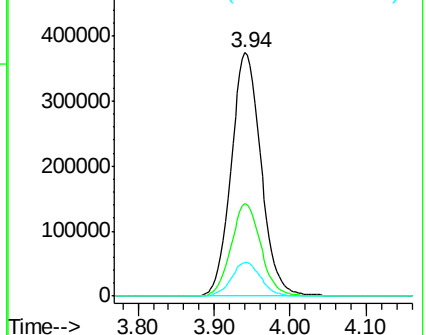
141 13.7 11.2 16.8

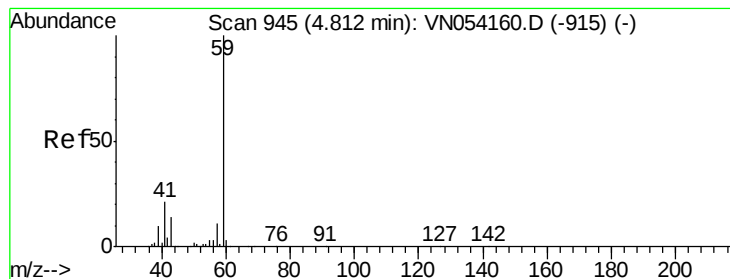


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



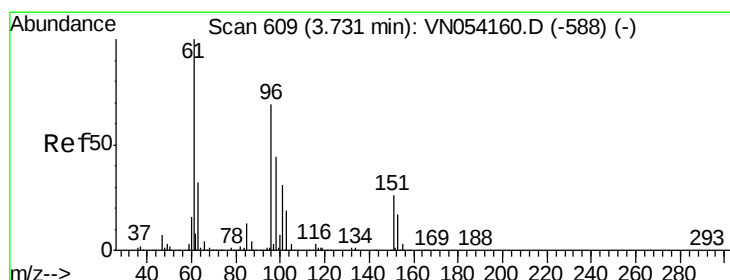
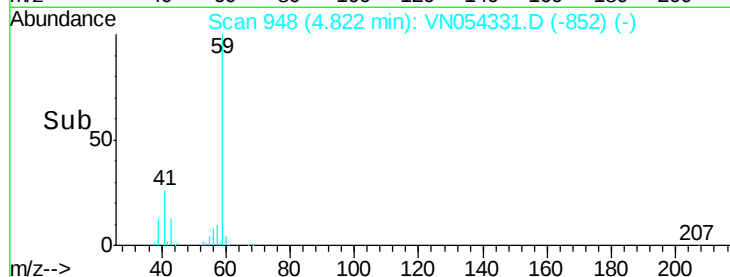
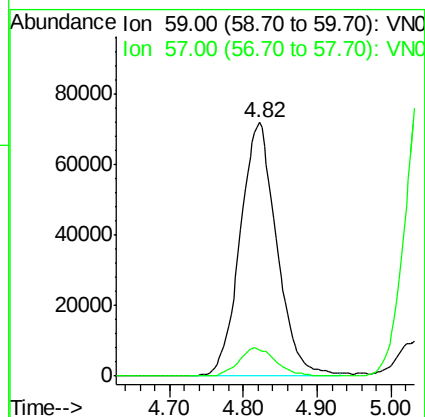
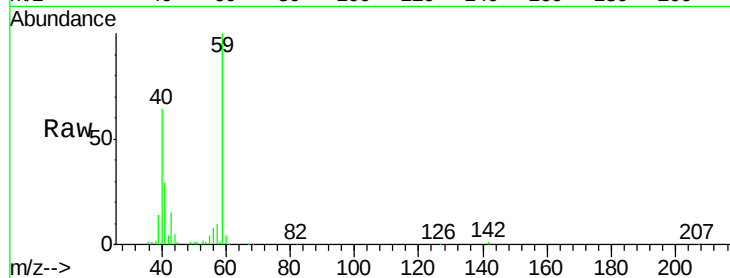


#11

Tert butyl alcohol  
 Concen: 236.740 ug/l  
 RT: 4.82 min Scan# 948  
 Delta R.T. 0.01 min  
 Lab File: VN054331.D  
 Acq: 16 Mar 2019 11:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

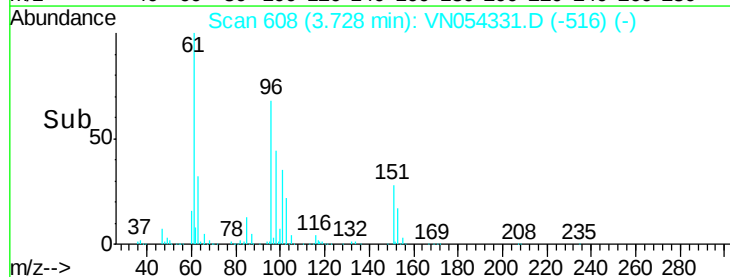
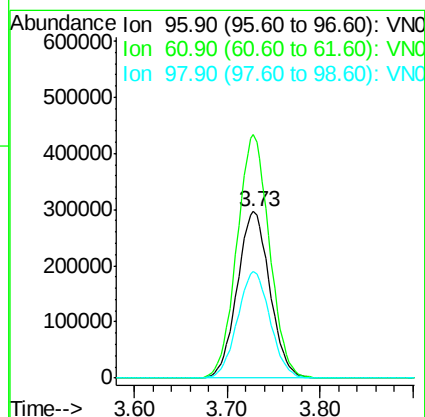
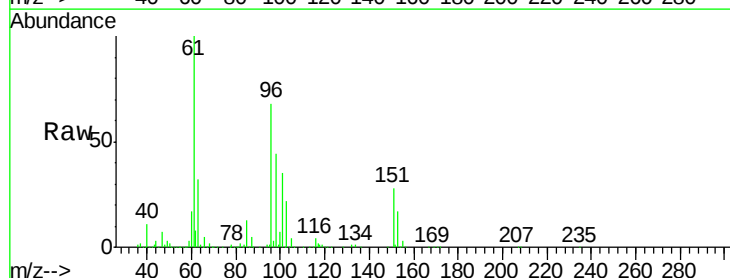
Tot Ion: 59 Resp: 248102  
 Ion Ratio Lower Upper  
 59 100  
 57 11.2 9.0 13.6

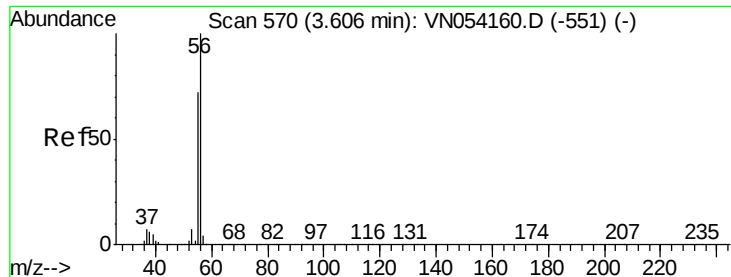


#12

1,1-Dichloroethene  
 Concen: 48.483 ug/l  
 RT: 3.73 min Scan# 608  
 Delta R.T. -0.00 min  
 Lab File: VN054331.D  
 Acq: 16 Mar 2019 11:59

Tgt Ion: 96 Resp: 725035  
 Ion Ratio Lower Upper  
 96 100  
 61 146.1 116.5 174.7  
 98 63.7 51.0 76.4





#13

Acrolein

Concen: 209.755 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

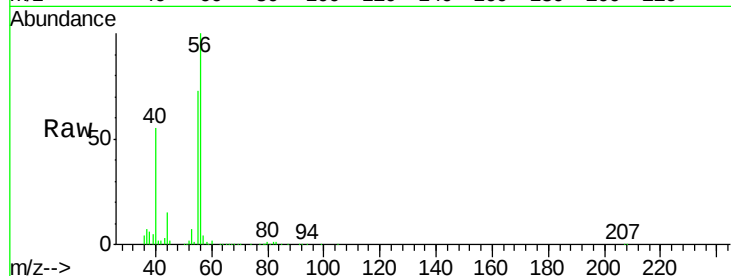
VSTDCCC050

Tot Ion: 56 Resp: 208300

Ion Ratio Lower Upper

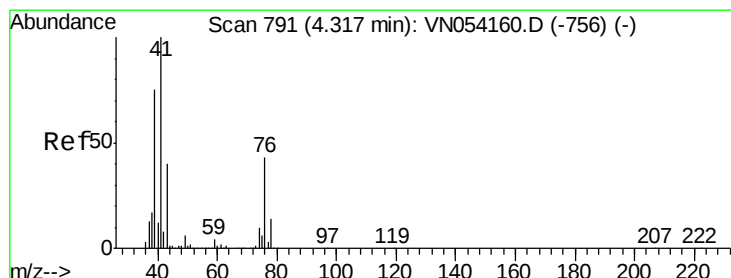
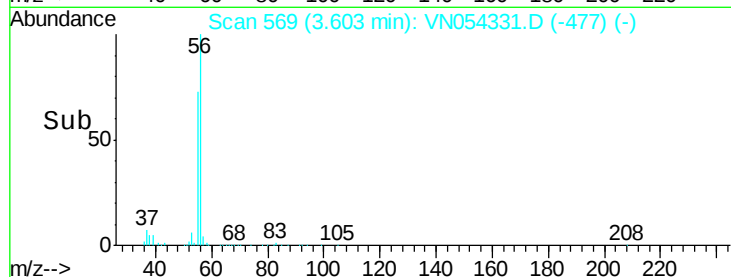
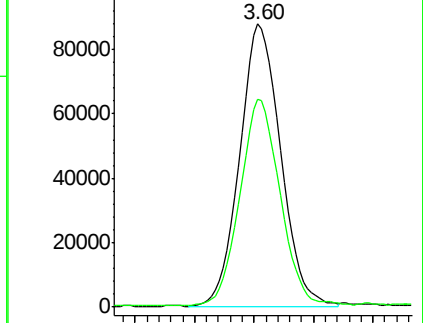
56 100

55 71.3 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN054331.D (-551) (-)

Ion 55.00 (54.70 to 55.70): VN054331.D (-551) (-)



#14

Allyl chloride

Concen: 47.777 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

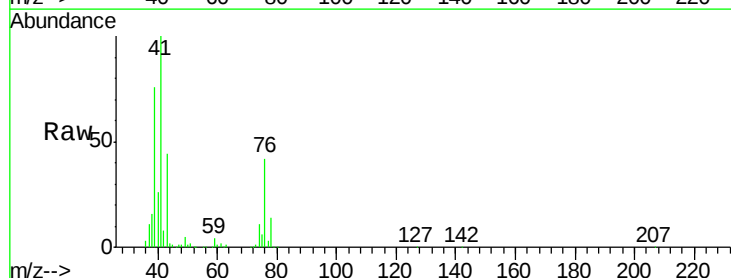
Tgt Ion: 41 Resp: 916702

Ion Ratio Lower Upper

41 100

39 72.3 58.2 87.4

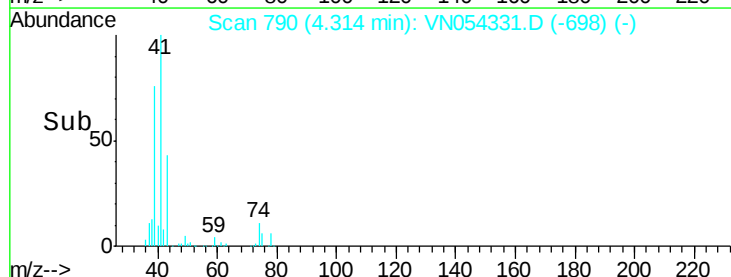
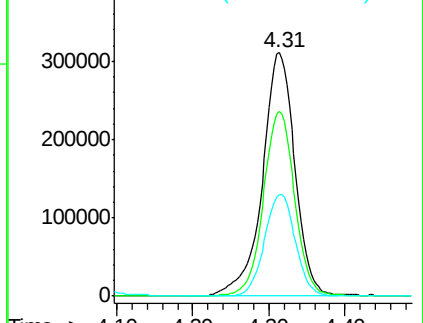
76 39.6 31.7 47.5

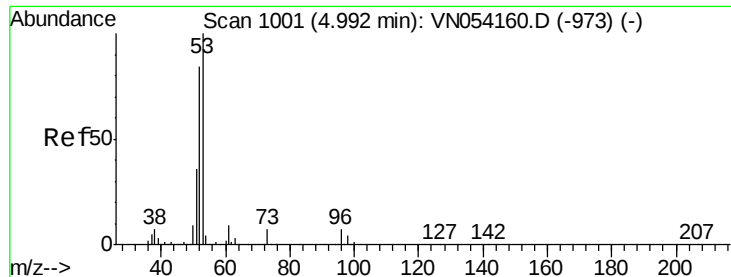


Abundance Ion 41.00 (40.70 to 41.70): VN054331.D (-698) (-)

Ion 39.00 (38.70 to 39.70): VN054331.D (-698) (-)

Ion 75.90 (75.60 to 76.60): VN054331.D (-698) (-)





#15

Acrylonitrile

Concen: 262.440 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

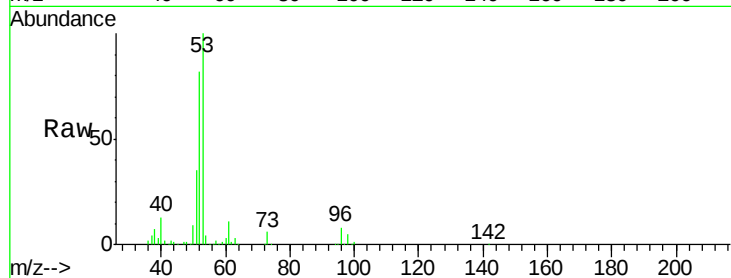
MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 1129765

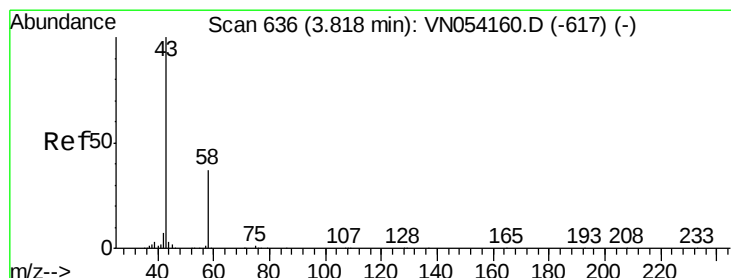
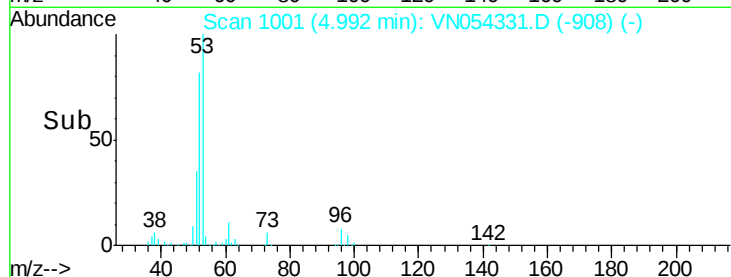
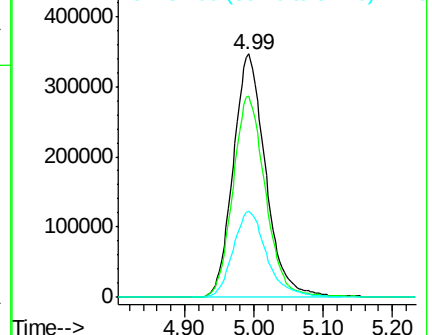
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 82.9  | 66.4  | 99.6  |
| 51  | 36.8  | 29.6  | 44.4  |



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 256.035 ug/l

RT: 3.82 min Scan# 636

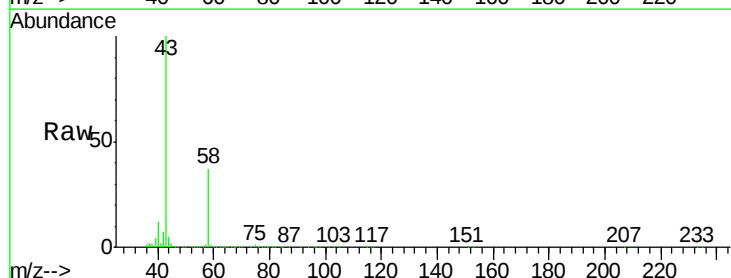
Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

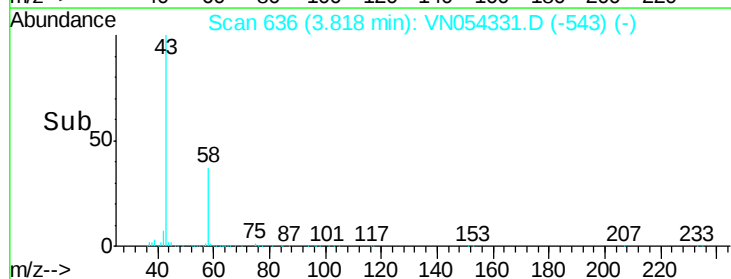
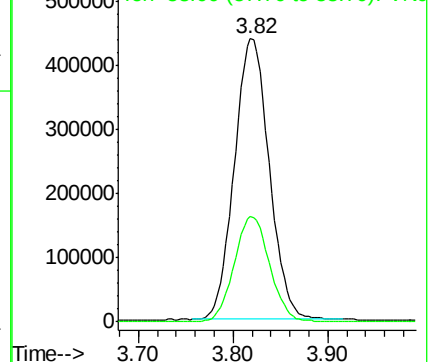
Tgt Ion: 43 Resp: 1120675

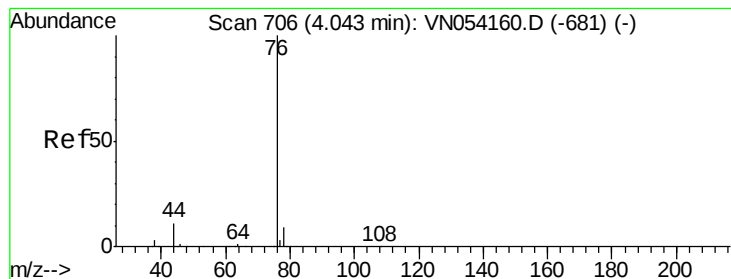
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 37.2  | 29.9  | 44.9  |



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 43.216 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

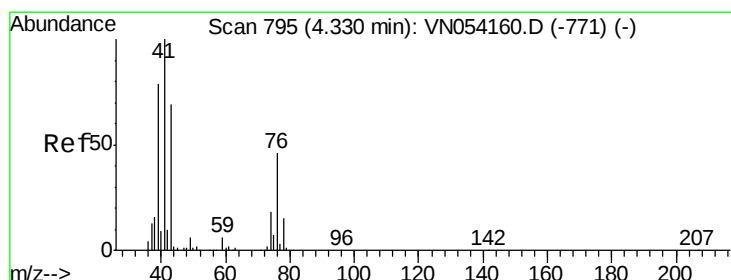
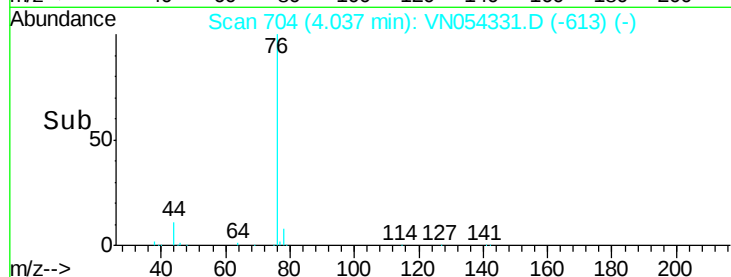
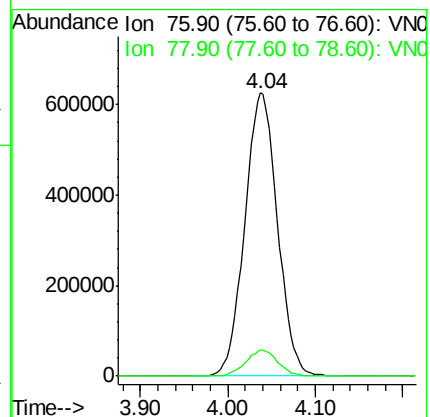
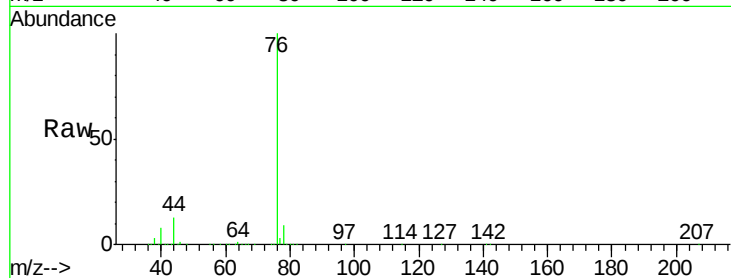
VSTDCCC050

Tot Ion: 76 Resp: 1620094

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3



#18

Methyl Acetate

Concen: 59.906 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN054331.D

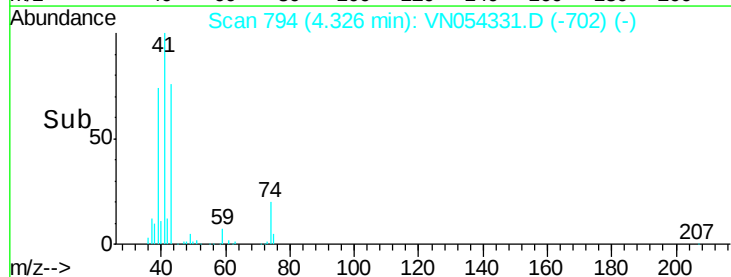
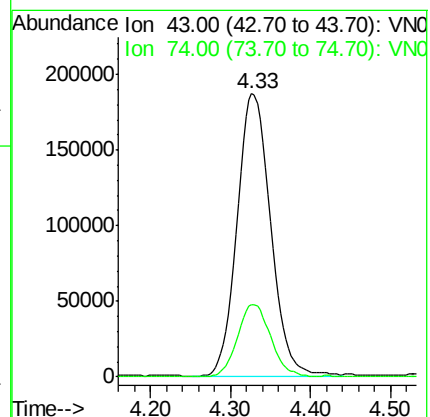
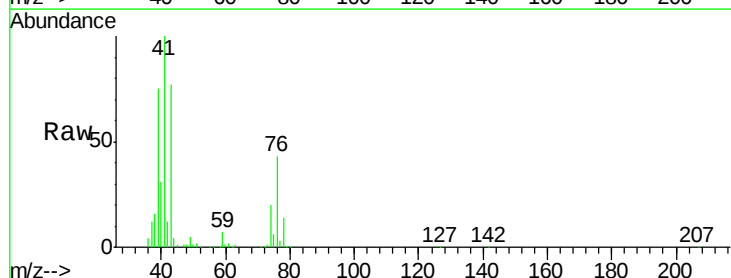
Acq: 16 Mar 2019 11:59

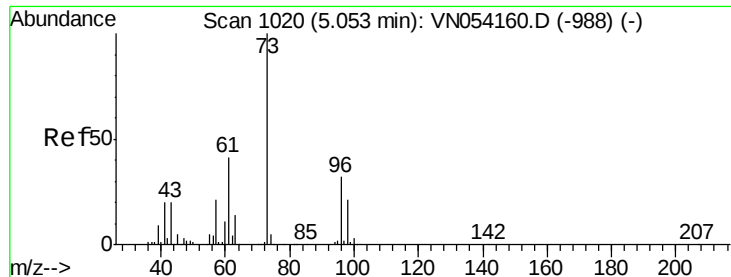
Tgt Ion: 43 Resp: 530499

Ion Ratio Lower Upper

43 100

74 25.6 20.8 31.2

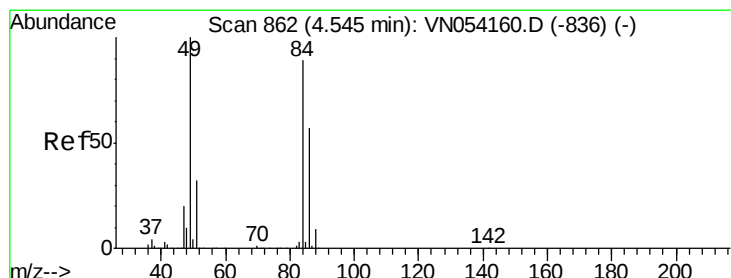
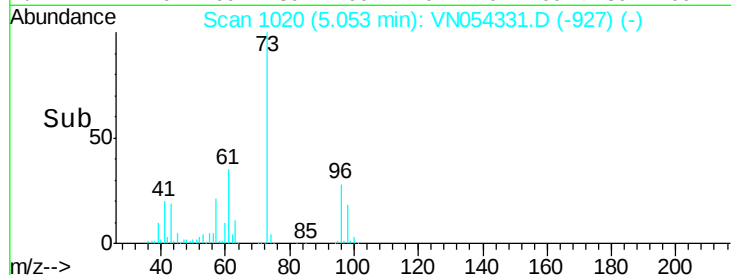
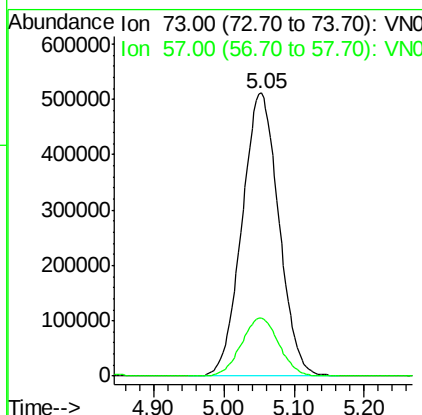
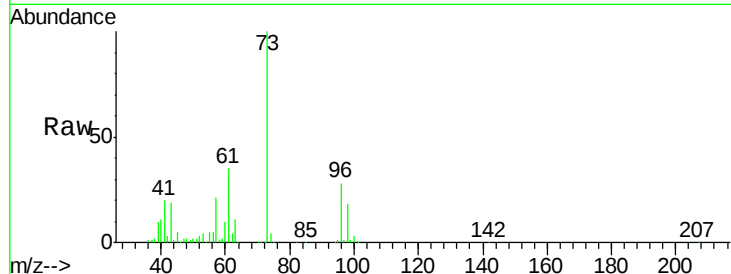




#19  
Methyl tert-butyl Ether  
Concen: 50.227 ug/l  
RT: 5.05 min Scan# 1020  
Delta R.T. 0.00 min  
Lab File: VN054331.D  
Acq: 16 Mar 2019 11:59

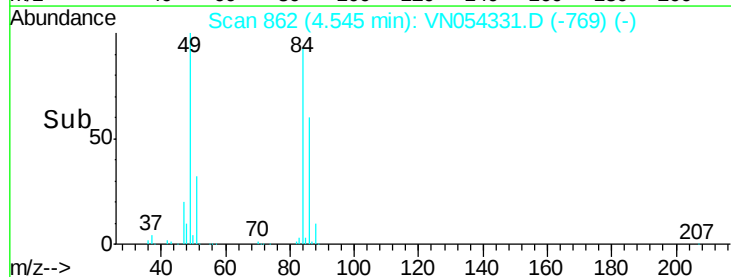
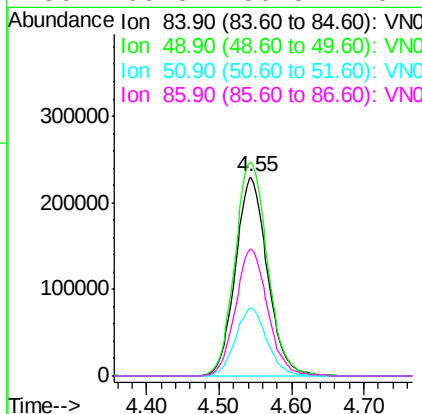
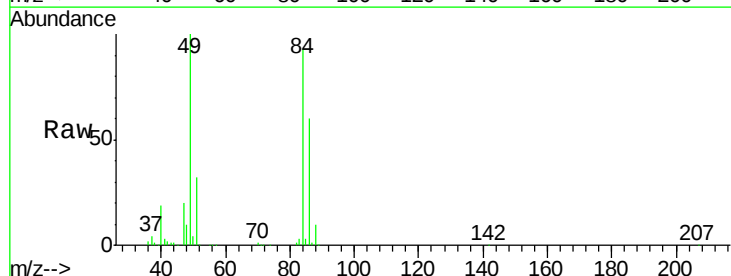
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

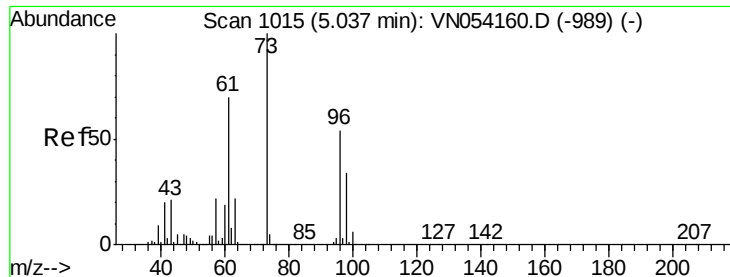
Tot Ion: 73 Resp: 1861782  
Ion Ratio Lower Upper  
73 100  
57 20.5 16.8 25.2



#20  
Methylene Chloride  
Concen: 49.120 ug/l  
RT: 4.55 min Scan# 862  
Delta R.T. 0.00 min  
Lab File: VN054331.D  
Acq: 16 Mar 2019 11:59

Tgt Ion: 84 Resp: 705964  
Ion Ratio Lower Upper  
84 100  
49 107.3 89.7 134.5  
51 34.3 28.2 42.4  
86 63.8 50.8 76.2

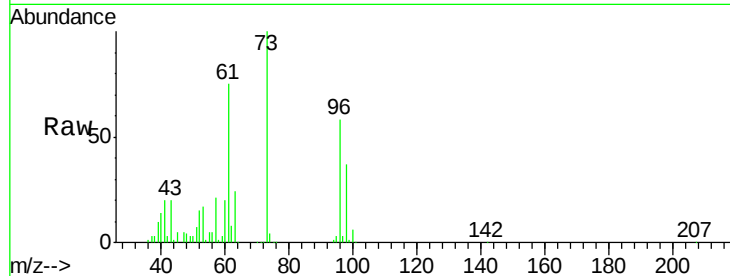




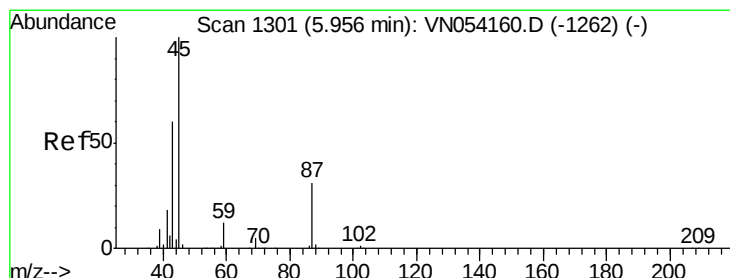
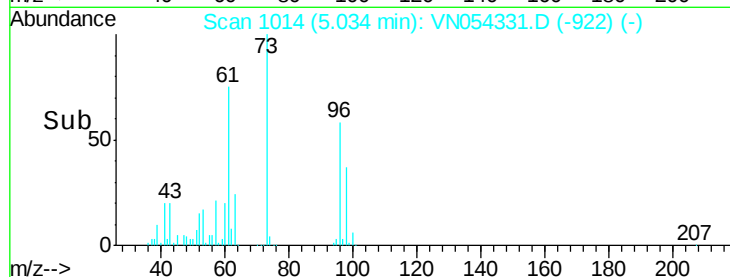
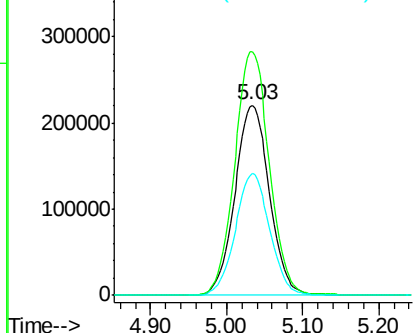
#21  
trans-1,2-Dichloroethene  
Concen: 48.531 ug/l  
RT: 5.03 min Scan# 1014  
Delta R.T. -0.00 min  
Lab File: VN054331.D  
Acq: 16 Mar 2019 11:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 96 Resp: 695368  
Ion Ratio Lower Upper  
96 100  
61 127.9 102.8 154.2  
98 63.8 50.0 75.0

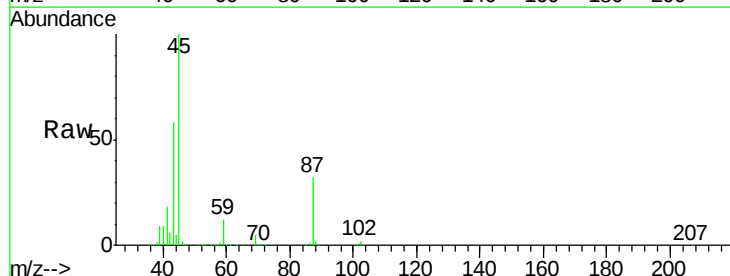


Abundance Ion 95.90 (95.60 to 96.60): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 97.90 (97.60 to 98.60): VN0

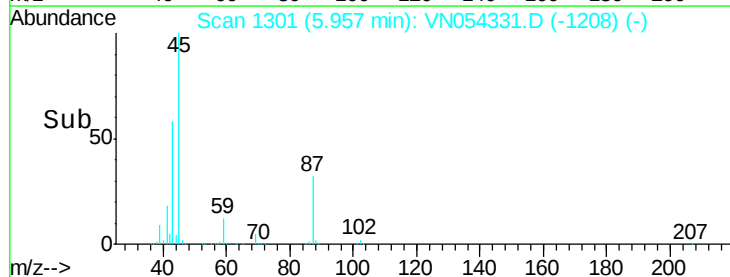
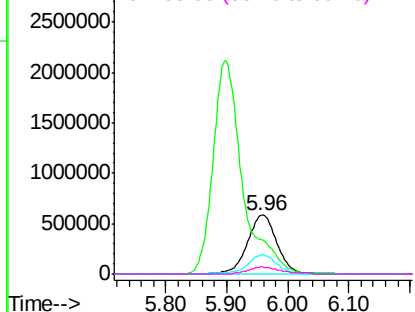


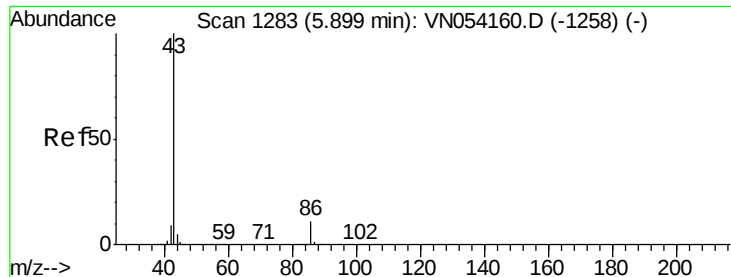
#22  
Diisopropyl ether  
Concen: 51.332 ug/l  
RT: 5.96 min Scan# 1301  
Delta R.T. 0.00 min  
Lab File: VN054331.D  
Acq: 16 Mar 2019 11:59

Tgt Ion: 45 Resp: 1965689  
Ion Ratio Lower Upper  
45 100  
43 57.3 48.2 72.2  
87 31.8 24.9 37.3  
59 11.9 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 87.00 (86.70 to 87.70): VN0  
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 252.189 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

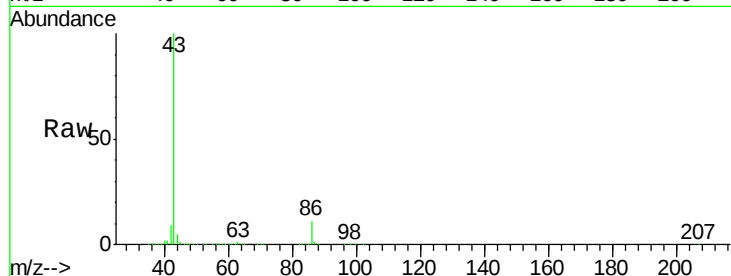
VSTDCCC050

Tot Ion: 43 Resp: 7120354

Ion Ratio Lower Upper

43 100

86 11.4 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN054331.D (-1190) (-)

Ion 86.00 (85.70 to 86.70): VN054331.D (-1190) (-)

2500000

2000000

1500000

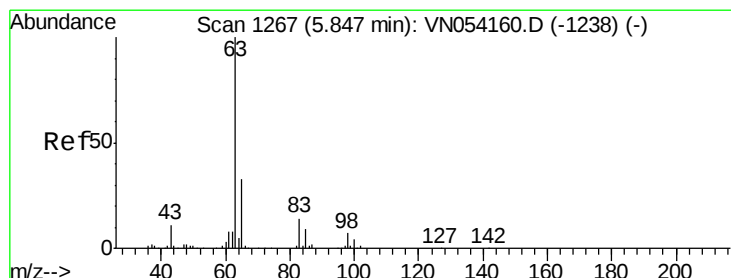
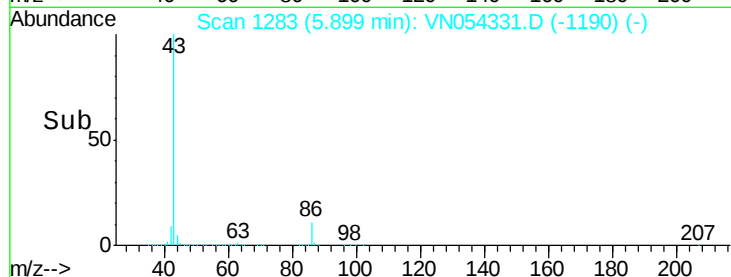
1000000

500000

0

5.80 5.90 6.00 6.20

Time-->



#24

1,1-Dichloroethane

Concen: 49.473 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

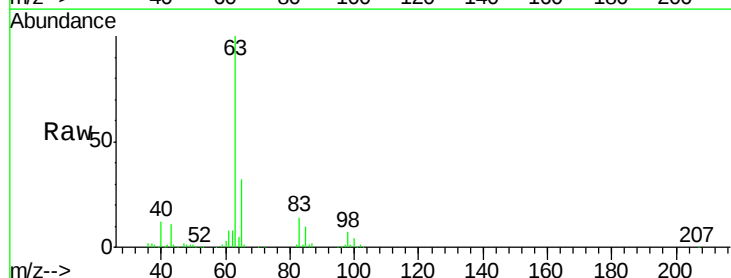
Tgt Ion: 63 Resp: 1216421

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.3 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN054331.D (-1174) (-)

Ion 97.90 (97.60 to 98.60): VN054331.D (-1174) (-)

Ion 99.90 (99.60 to 100.60): VN054331.D (-1174) (-)

500000

400000

300000

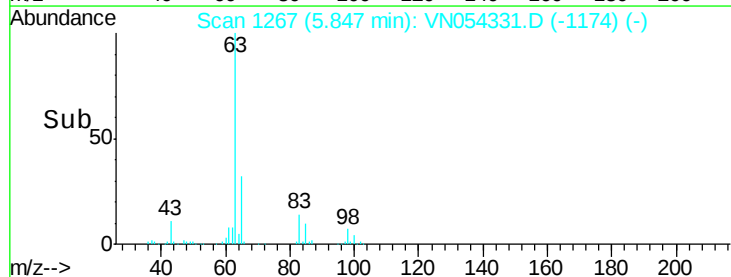
200000

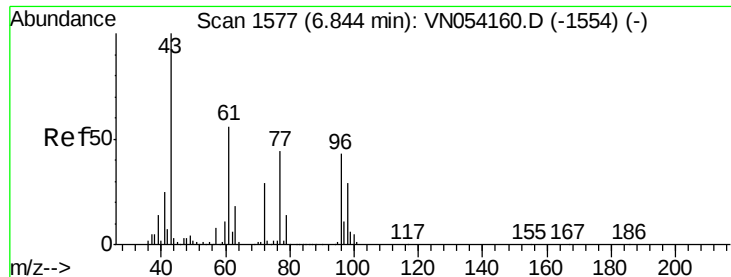
100000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 281.649 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

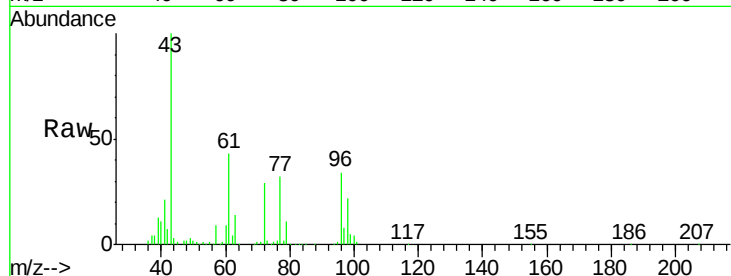
VSTDCCC050

Tot Ion: 43 Resp: 1446914

Ion Ratio Lower Upper

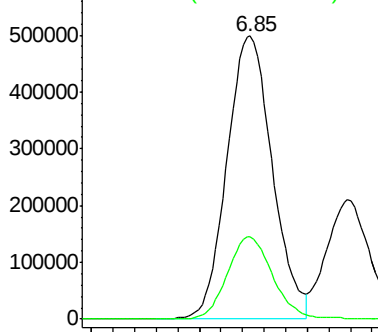
43 100

72 29.0 23.0 34.6

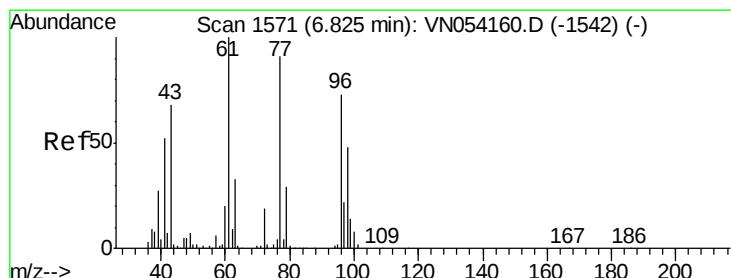
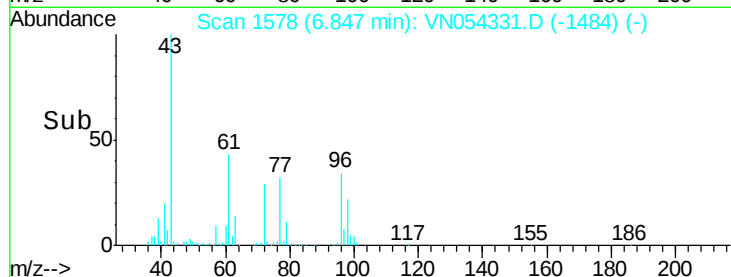


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time--> 6.70 6.80 6.90



#26

2,2-Dichloropropane

Concen: 45.583 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054331.D

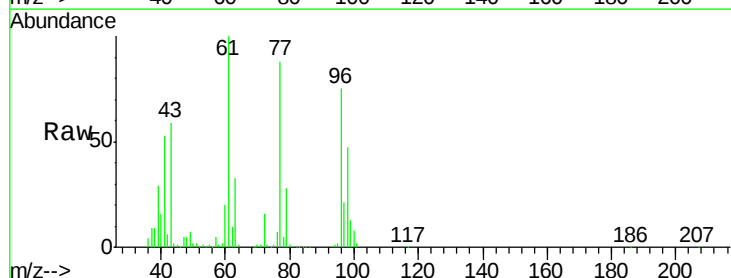
Acq: 16 Mar 2019 11:59

Tgt Ion: 77 Resp: 985623

Ion Ratio Lower Upper

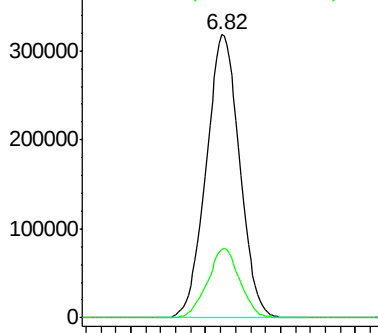
77 100

97 23.8 11.9 35.9

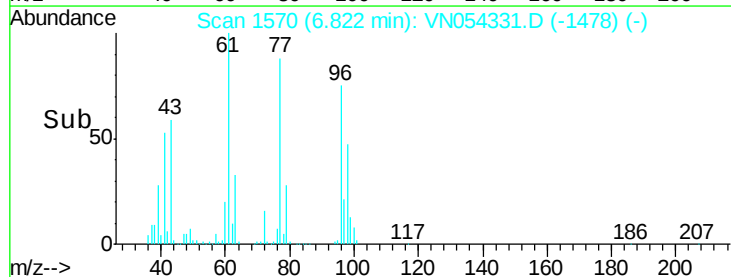


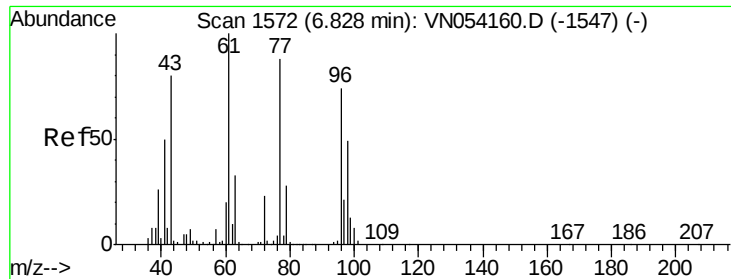
Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



Time--> 6.70 6.80 6.90 7.00





#27

cis-1,2-Dichloroethene

Concen: 50.689 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

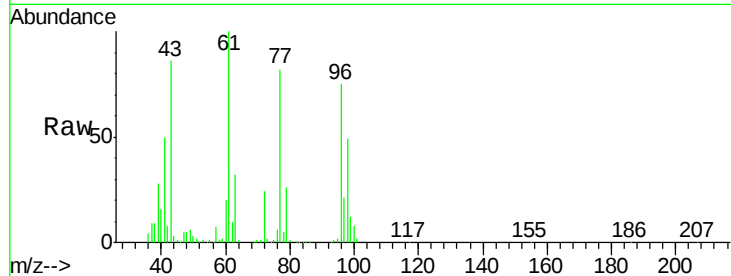
Tot Ion: 96 Resp: 810253

Ion Ratio Lower Upper

96 100

61 133.6 0.0 273.0

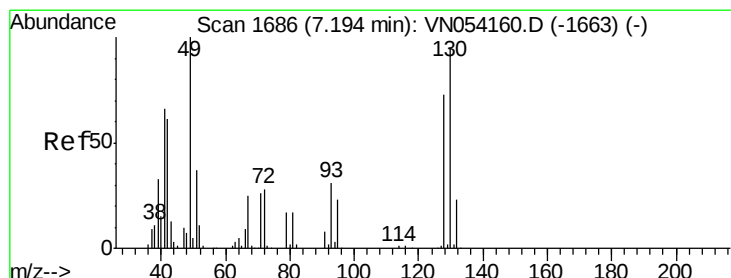
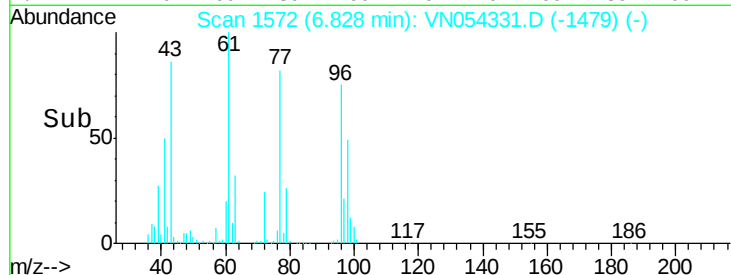
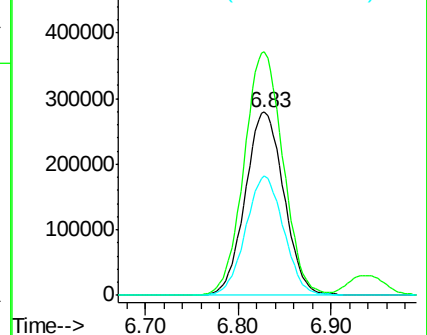
98 64.3 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN054331.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN054331.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN054331.D (-1479) (-)



#28

Bromochloromethane

Concen: 48.303 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

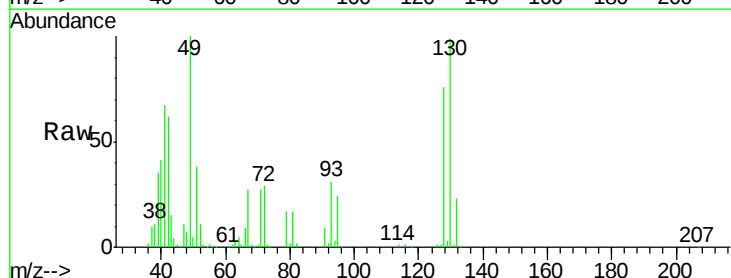
Tgt Ion: 49 Resp: 485531

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.6

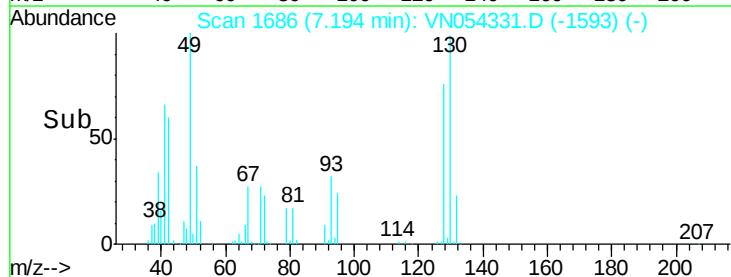
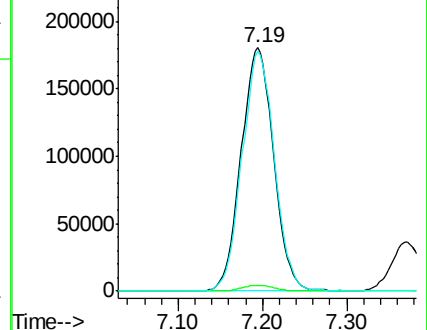
130 97.7 76.7 115.1

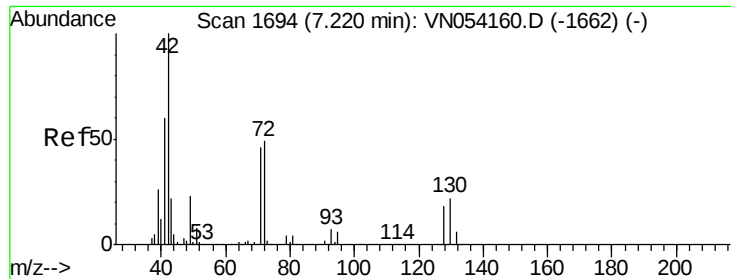


Abundance Ion 48.90 (48.60 to 49.60): VN054331.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN054331.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN054331.D (-1593) (-)

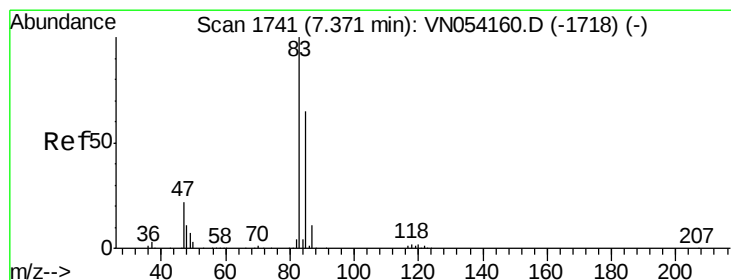
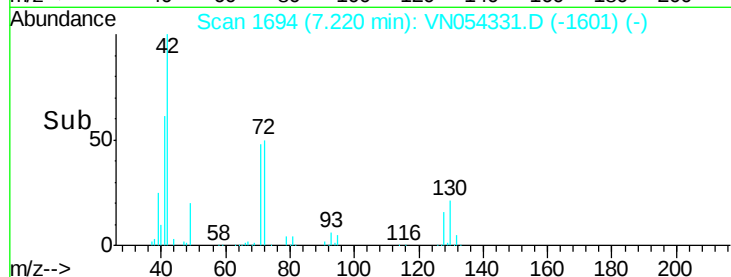
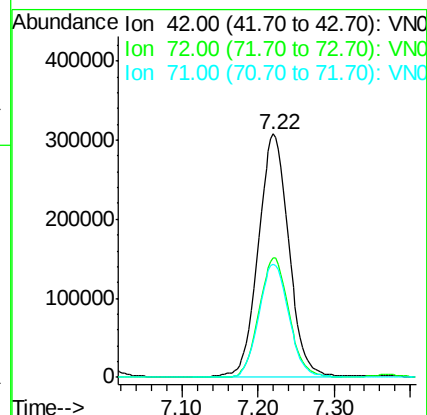
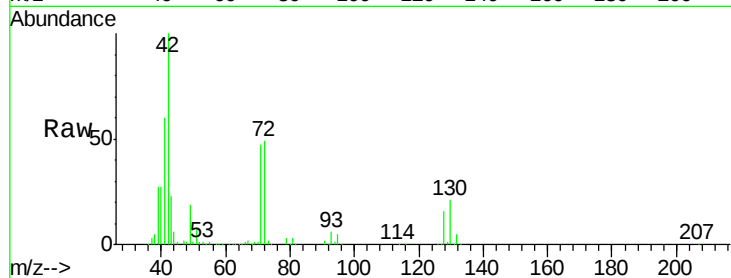




#29  
Tetrahydrofuran  
Concen: 258.906 ug/l  
RT: 7.22 min Scan# 1694  
Delta R.T. 0.00 min  
Lab File: VN054331.D  
Acq: 16 Mar 2019 11:59

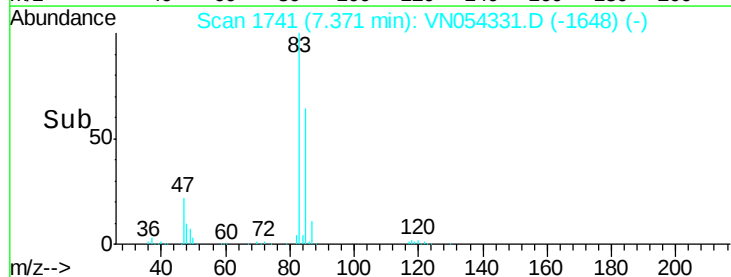
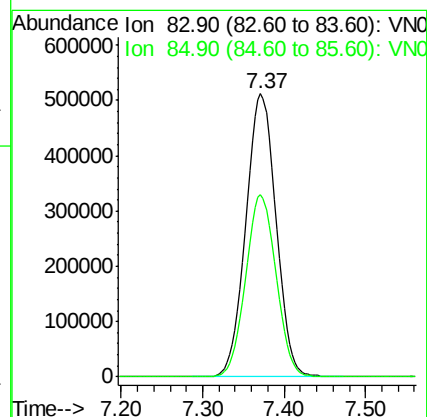
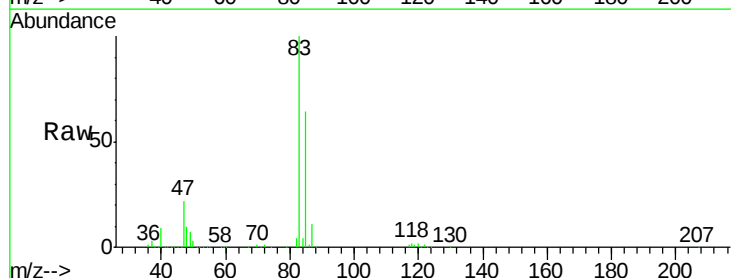
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

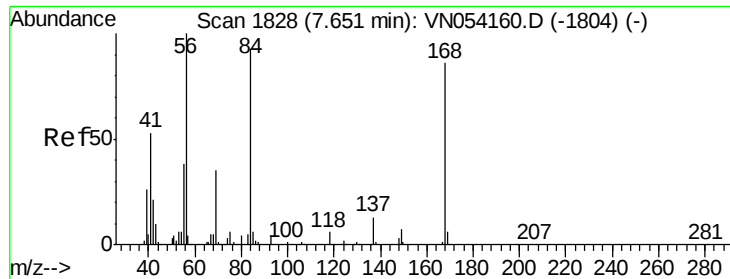
Tot Ion: 42 Resp: 855188  
Ion Ratio Lower Upper  
42 100  
72 48.3 37.8 56.6  
71 46.2 36.2 54.2



#30  
Chloroform  
Concen: 50.917 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VN054331.D  
Acq: 16 Mar 2019 11:59

Tgt Ion: 83 Resp: 1306376  
Ion Ratio Lower Upper  
83 100  
85 64.5 52.2 78.4

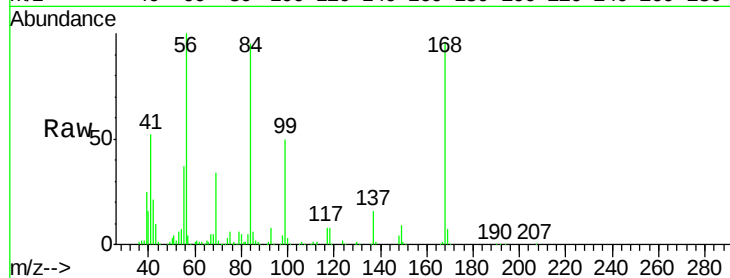




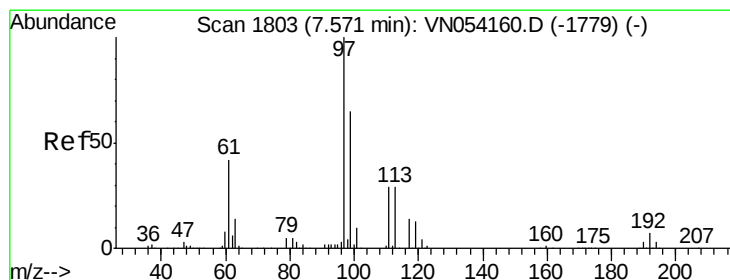
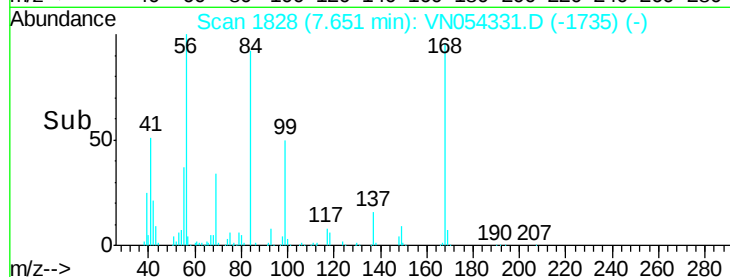
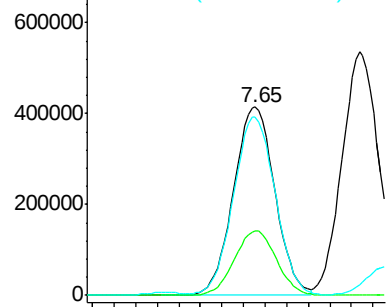
#31  
Cyclohexane  
Concen: 47.973 ug/l  
RT: 7.65 min Scan# 1828  
Delta R.T. 0.00 min  
Lab File: VN054331.D  
Acq: 16 Mar 2019 11:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 56 Resp: 1103915  
Ion Ratio Lower Upper  
56 100  
69 34.1 27.8 41.6  
84 93.3 74.6 111.8

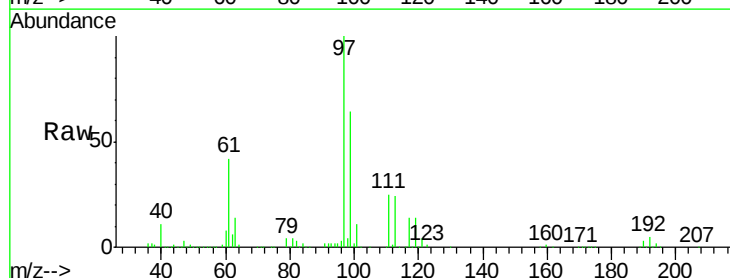


Abundance Ion 56.00 (55.70 to 56.70): VNO  
Ion 69.00 (68.70 to 69.70): VNO  
Ion 84.00 (83.70 to 84.70): VNO

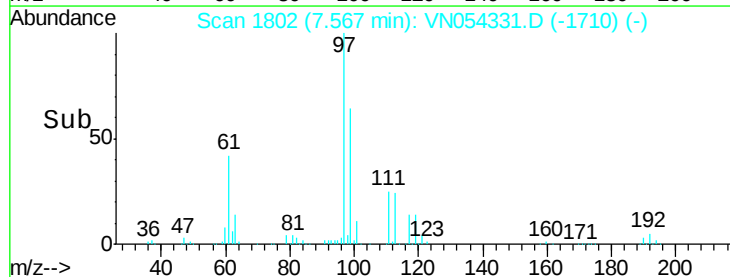
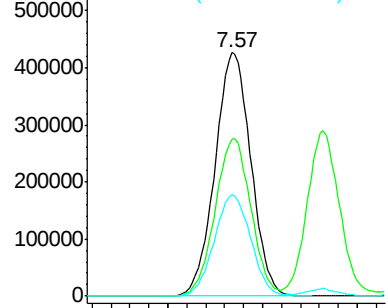


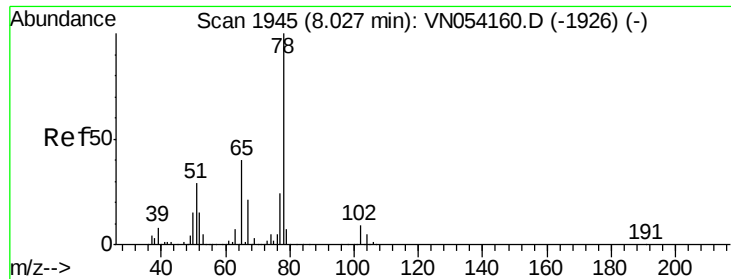
#32  
1,1,1-Trichloroethane  
Concen: 48.402 ug/l  
RT: 7.57 min Scan# 1802  
Delta R.T. -0.00 min  
Lab File: VN054331.D  
Acq: 16 Mar 2019 11:59

Tgt Ion: 97 Resp: 1121566  
Ion Ratio Lower Upper  
97 100  
99 64.7 51.5 77.3  
61 42.4 33.6 50.4



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





#33

1,2-Dichloroethane-d4

Concen: 48.019 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

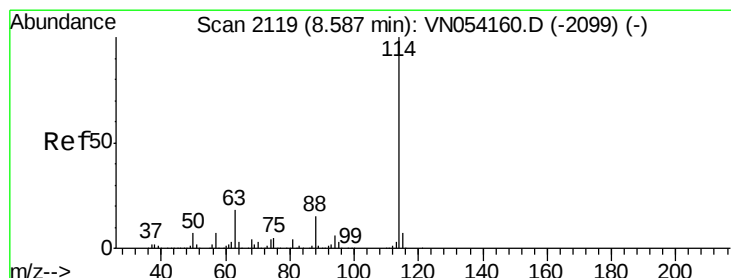
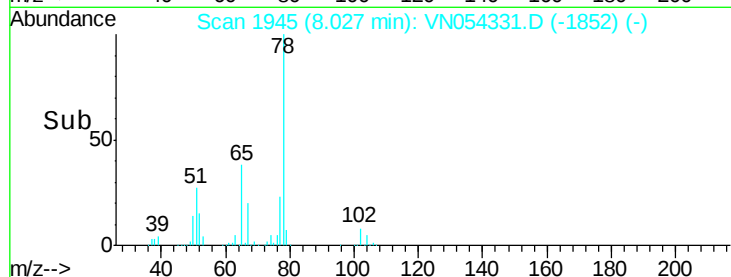
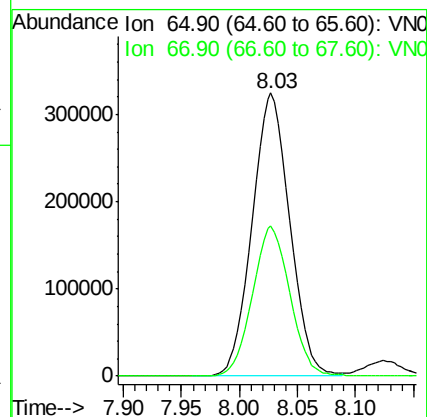
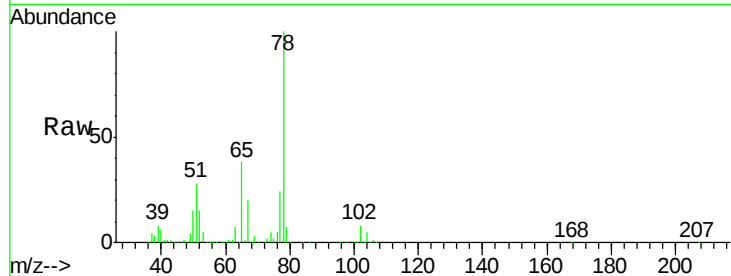
VSTDCCC050

Tot Ion: 65 Resp: 734075

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

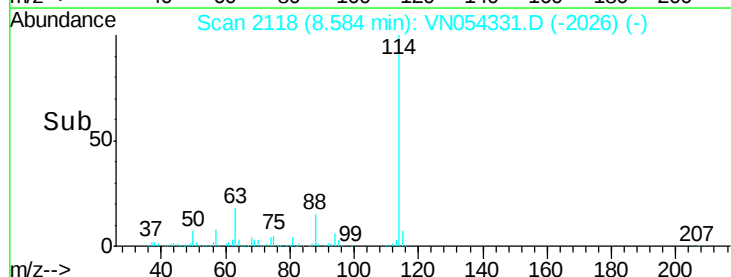
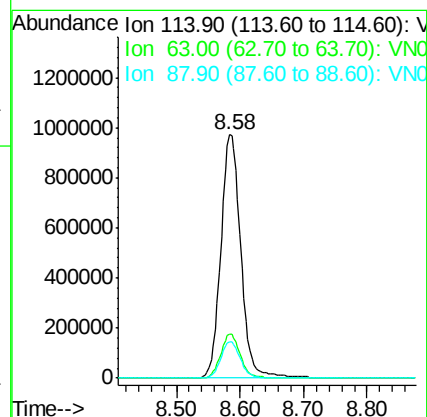
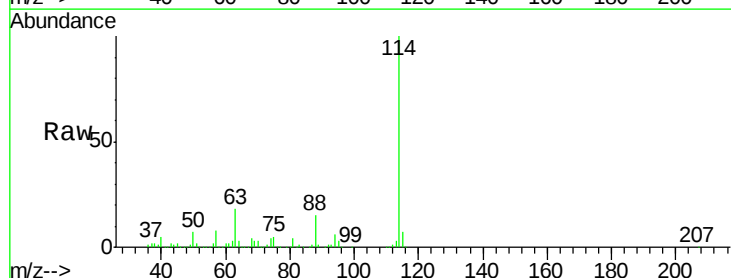
Tgt Ion: 114 Resp: 2116563

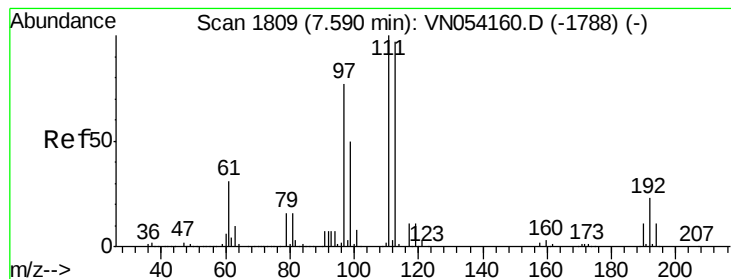
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.2

88 14.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.265 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

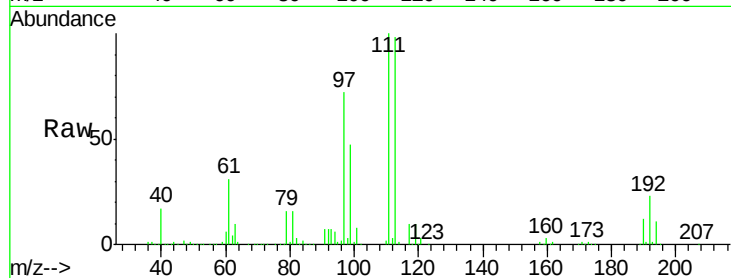
Tot Ion:113 Resp: 686162

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.4

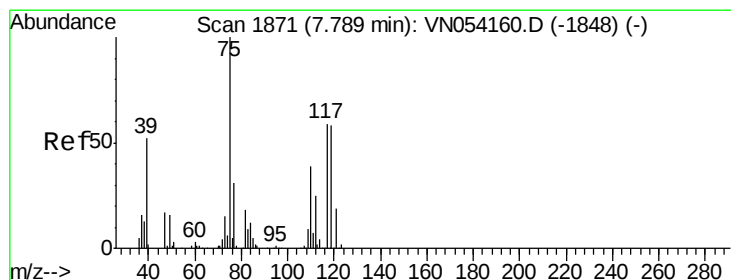
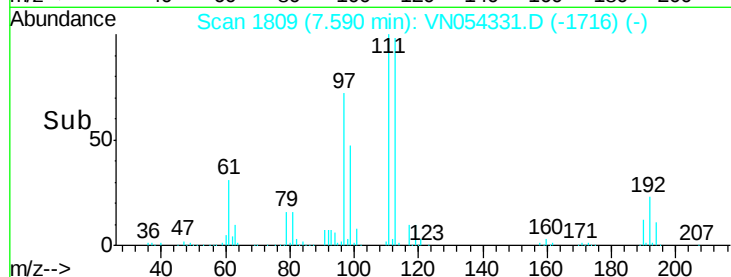
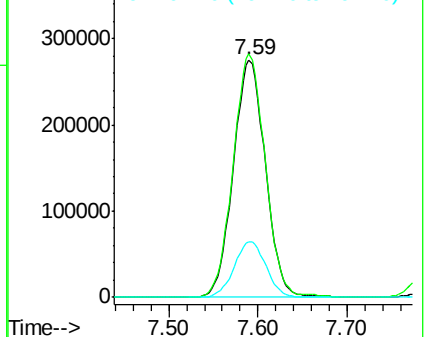
192 23.4 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.123 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

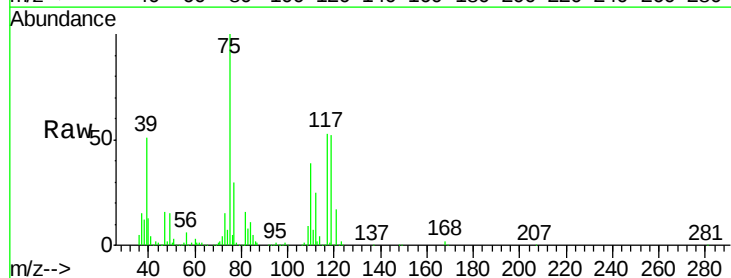
Tgt Ion: 75 Resp: 976977

Ion Ratio Lower Upper

75 100

110 39.3 19.1 57.5

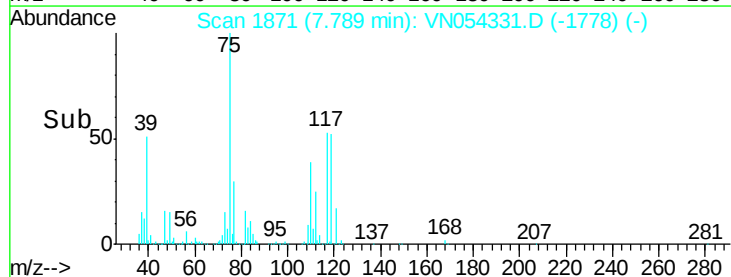
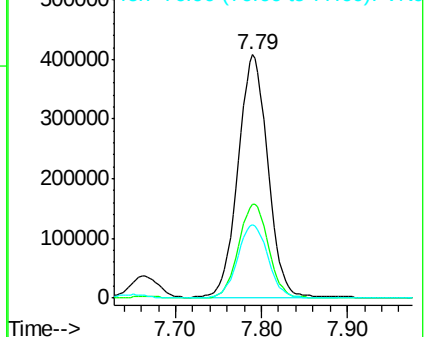
77 31.1 25.0 37.4

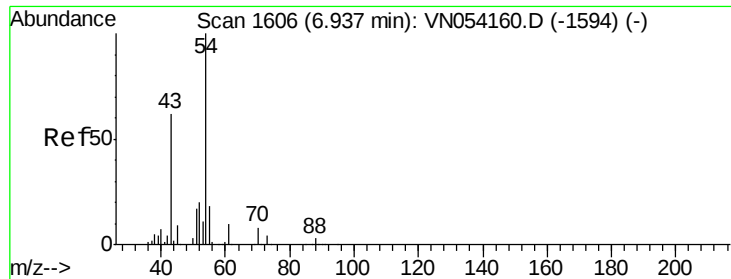


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

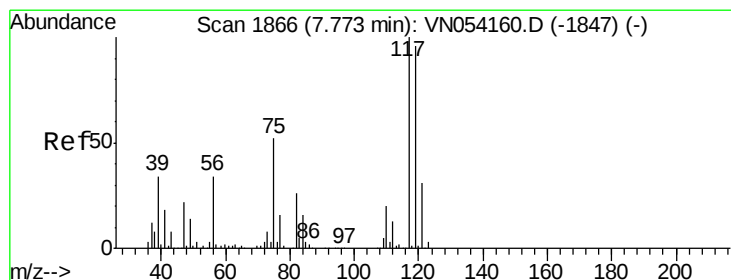
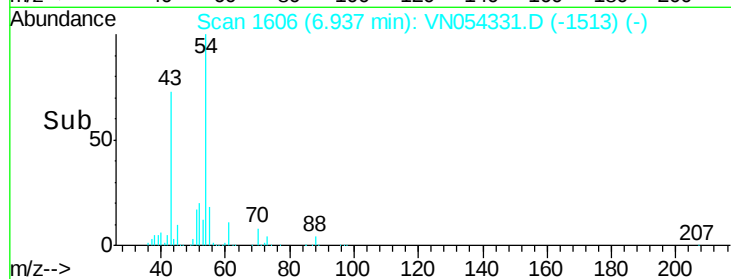
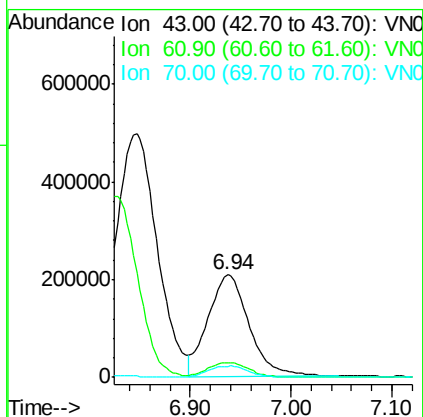
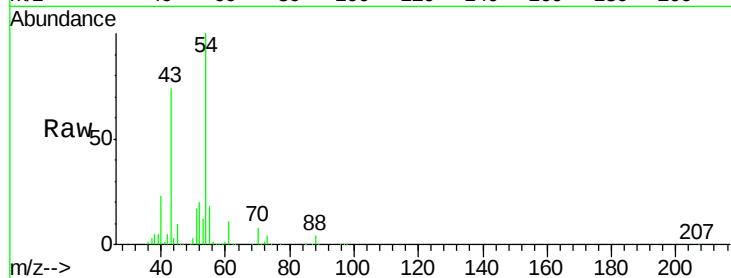




#37  
Ethyl Acetate  
Concen: 52.580 ug/l  
RT: 6.94 min Scan# 1606  
Delta R.T. 0.00 min  
Lab File: VN054331.D  
Acq: 16 Mar 2019 11:59

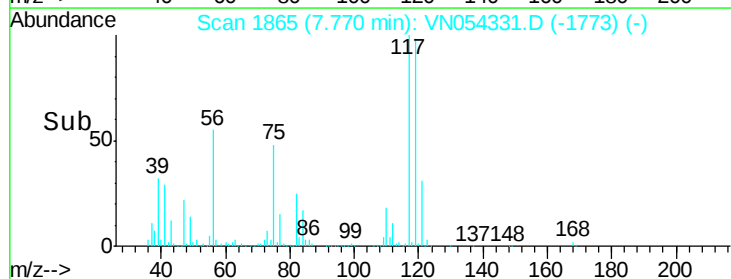
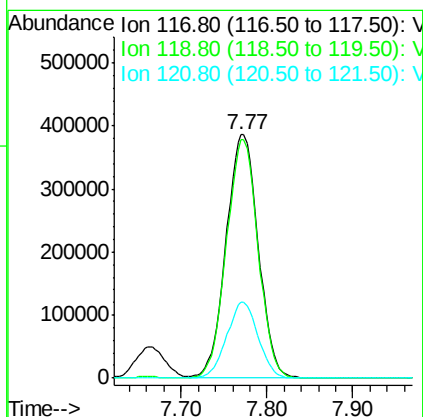
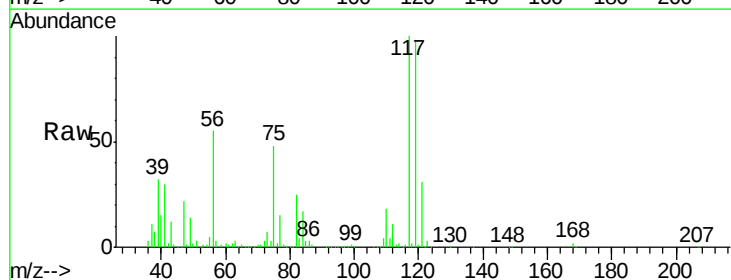
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

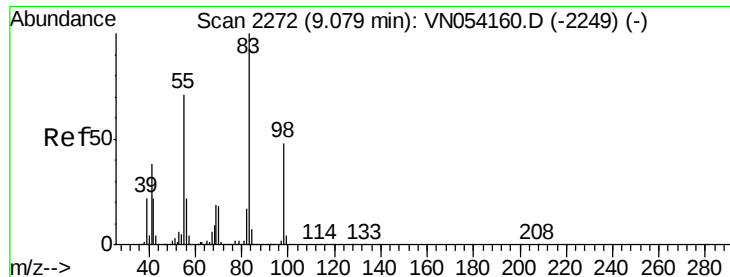
Tot Ion: 43 Resp: 588883  
Ion Ratio Lower Upper  
43 100  
61 14.9 11.8 17.6  
70 10.9 8.4 12.6



#38  
Carbon Tetrachloride  
Concen: 48.906 ug/l  
RT: 7.77 min Scan# 1865  
Delta R.T. -0.00 min  
Lab File: VN054331.D  
Acq: 16 Mar 2019 11:59

Tgt Ion: 117 Resp: 999673  
Ion Ratio Lower Upper  
117 100  
119 97.9 76.3 114.5  
121 31.2 24.6 36.8

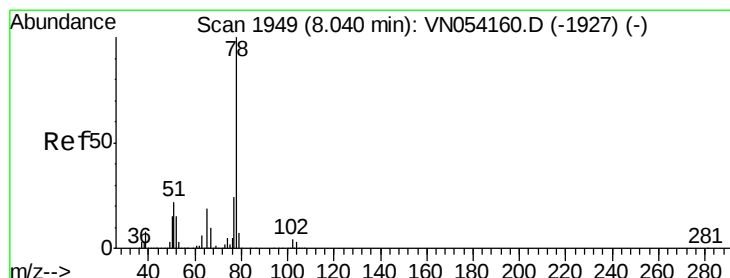
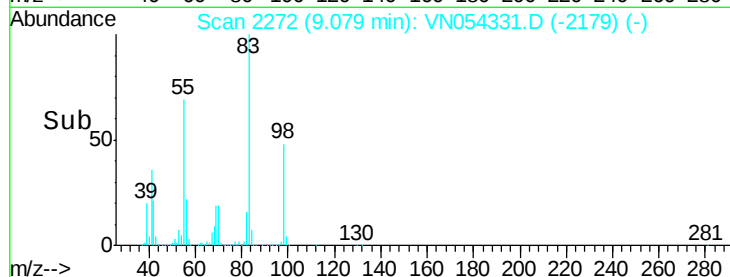
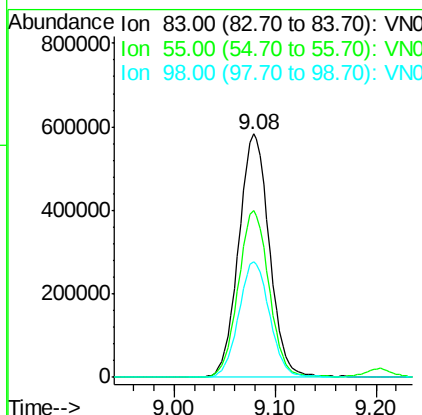
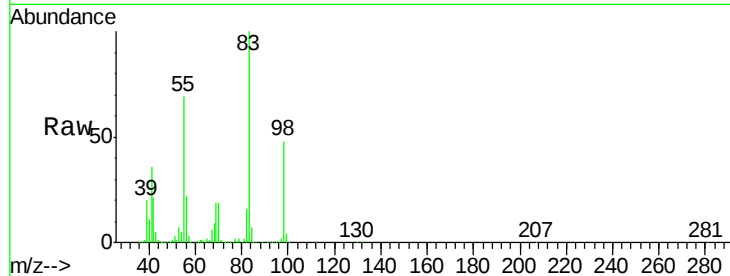




#39  
Methvlcvclohexane  
Concen: 51.251 ug/l  
RT: 9.08 min Scan# 2272  
Delta R.T. 0.00 min  
Lab File: VN054331.D  
Acq: 16 Mar 2019 11:59

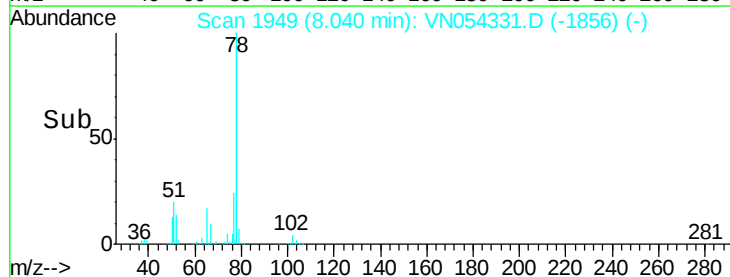
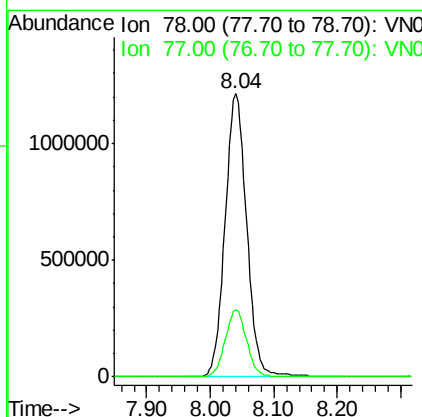
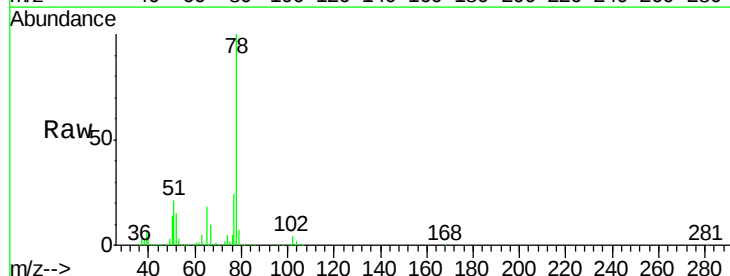
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

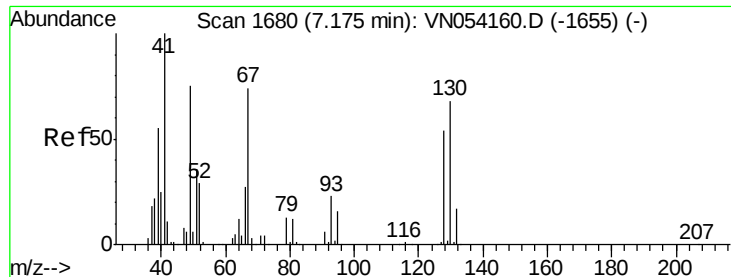
Tot Ion: 83 Resp: 1229119  
Ion Ratio Lower Upper  
83 100  
55 68.6 56.6 84.8  
98 47.7 38.4 57.6



#40  
Benzene  
Concen: 51.374 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. 0.00 min  
Lab File: VN054331.D  
Acq: 16 Mar 2019 11:59

Tgt Ion: 78 Resp: 2865510  
Ion Ratio Lower Upper  
78 100  
77 23.8 19.1 28.7

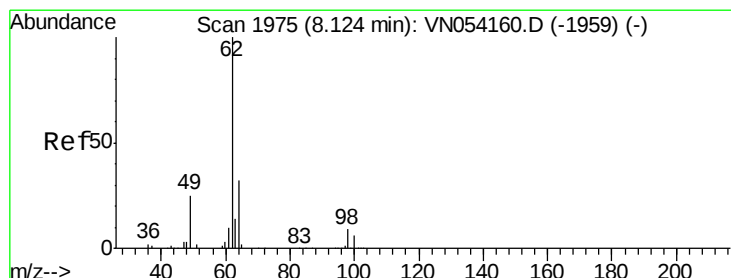
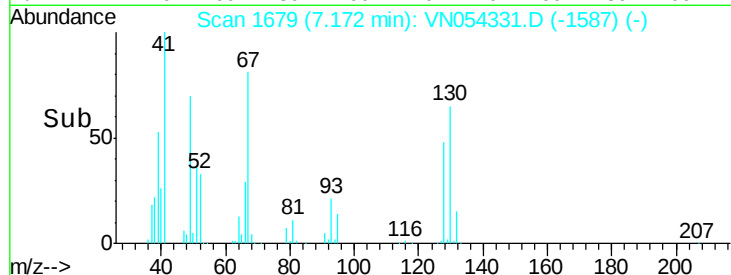
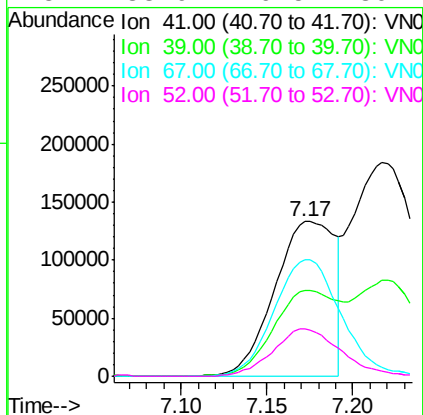
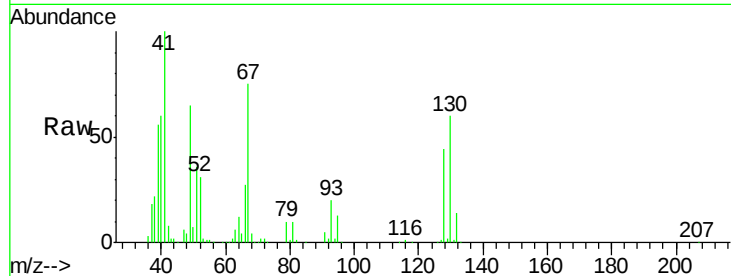




#41  
Methacrylonitrile  
Concen: 50.652 ug/l  
RT: 7.17 min Scan# 1679  
Delta R.T. -0.00 min  
Lab File: VN054331.D  
Acq: 16 Mar 2019 11:59

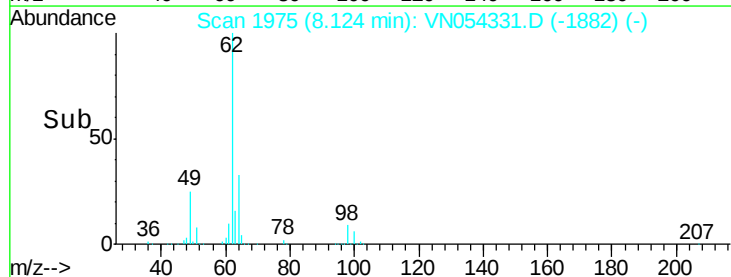
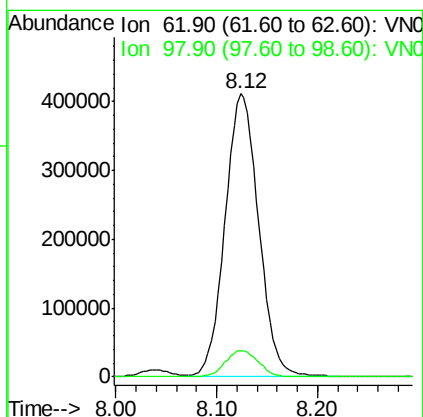
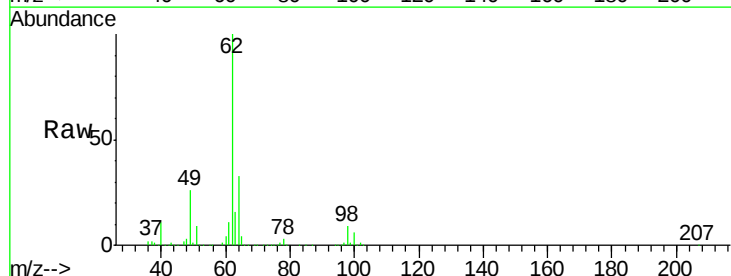
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

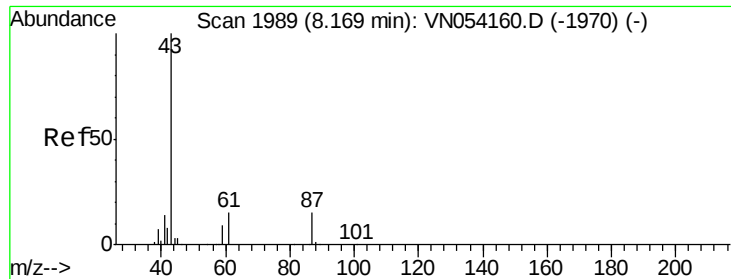
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 323907 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 59.4  | 46.8  | 70.2   |
| 67       | 84.7  | 67.0  | 100.4  |
| 52       | 33.9  | 26.5  | 39.7   |



#42  
1,2-Dichloroethane  
Concen: 50.368 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: VN054331.D  
Acq: 16 Mar 2019 11:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 948493 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.3   | 0.0   | 18.4   |



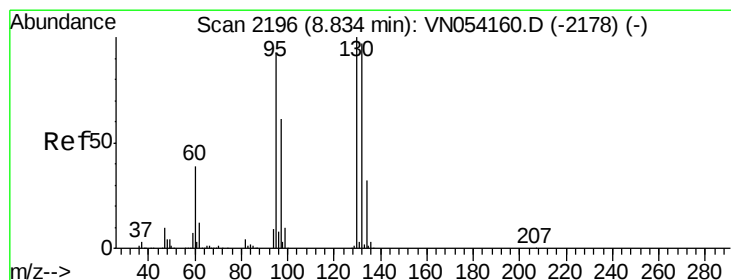
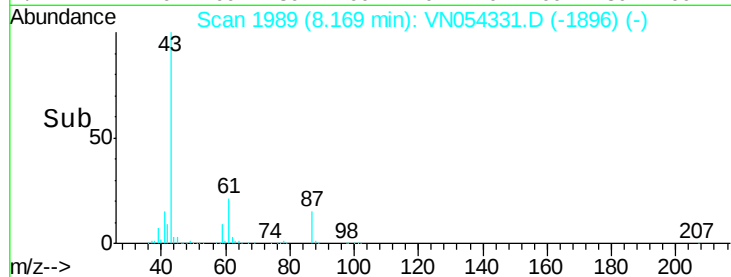
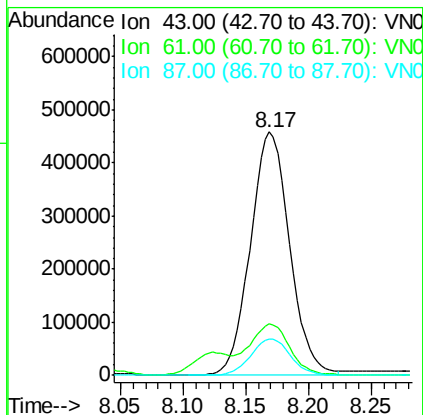
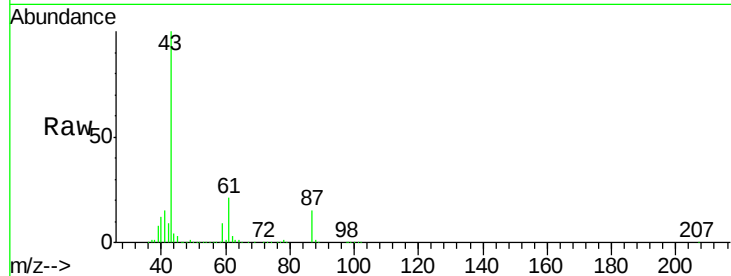


#43

Isopropyl Acetate  
 Concen: 50.575 ug/l  
 RT: 8.17 min Scan# 1989  
 Delta R.T. 0.00 min  
 Lab File: VN054331.D  
 Acq: 16 Mar 2019 11:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

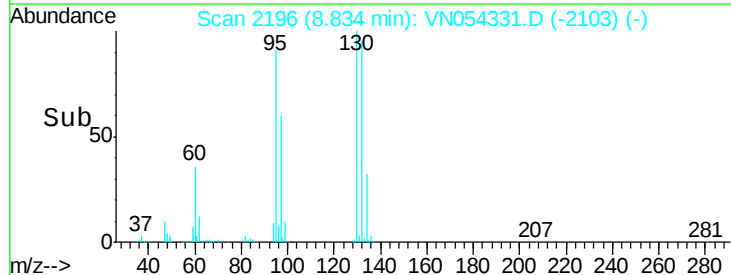
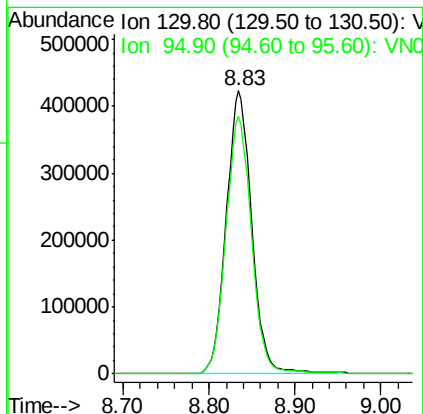
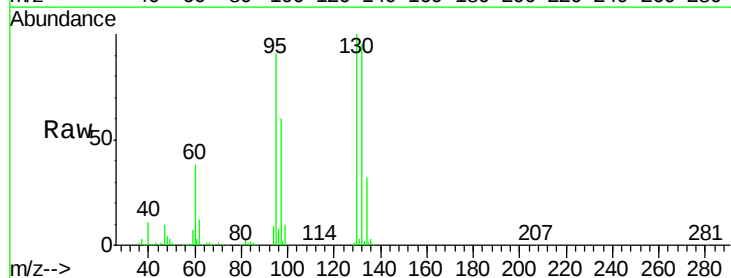
Tot Ion: 43 Resp: 994240  
 Ion Ratio Lower Upper  
 43 100  
 61 21.0 15.8 23.8  
 87 15.3 12.0 18.0

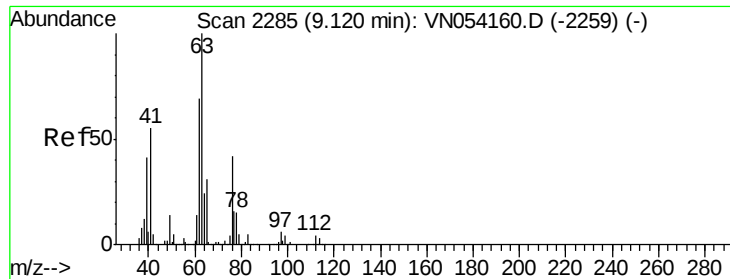


#44

Trichloroethene  
 Concen: 50.330 ug/l  
 RT: 8.83 min Scan# 2196  
 Delta R.T. 0.00 min  
 Lab File: VN054331.D  
 Acq: 16 Mar 2019 11:59

Tgt Ion: 130 Resp: 872081  
 Ion Ratio Lower Upper  
 130 100  
 95 90.9 0.0 185.2





#45

1,2-Dichloropropane

Concen: 52.126 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

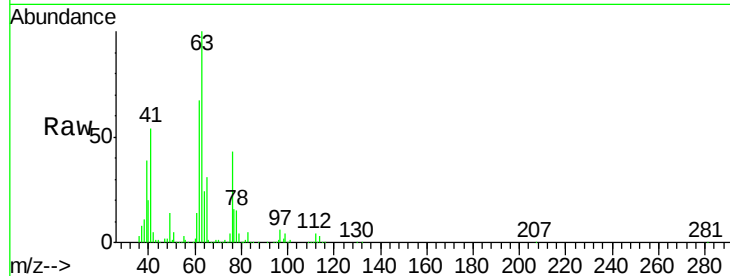
VSTDCCC050

Tot Ion: 63 Resp: 721945

Ion Ratio Lower Upper

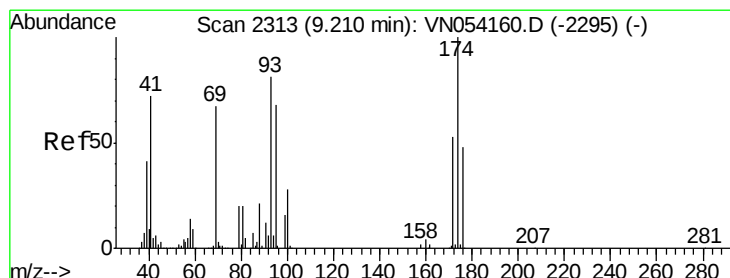
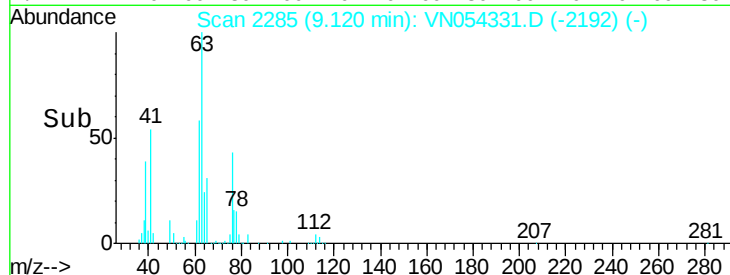
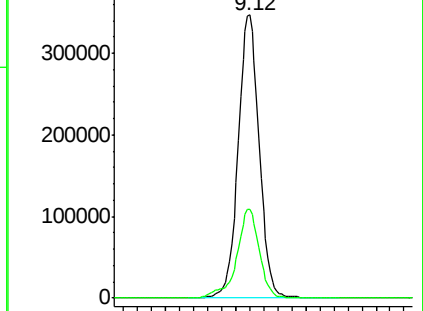
63 100

65 31.4 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN054331.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN054331.D (-2192) (-)



#46

Dibromomethane

Concen: 50.690 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

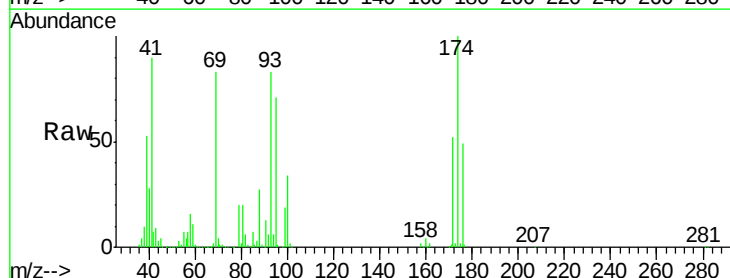
Tgt Ion: 93 Resp: 474354

Ion Ratio Lower Upper

93 100

95 83.8 66.7 100.1

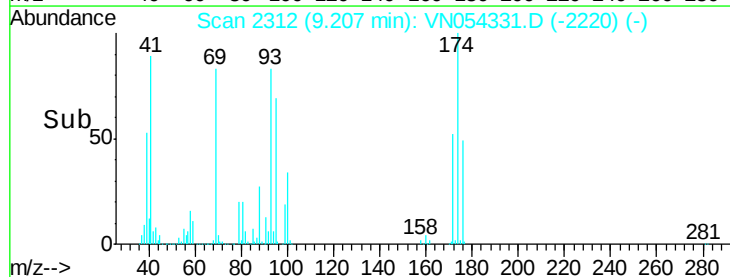
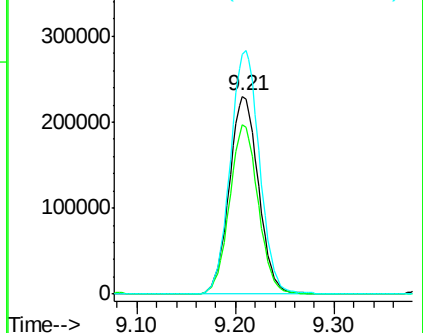
174 122.8 98.5 147.7

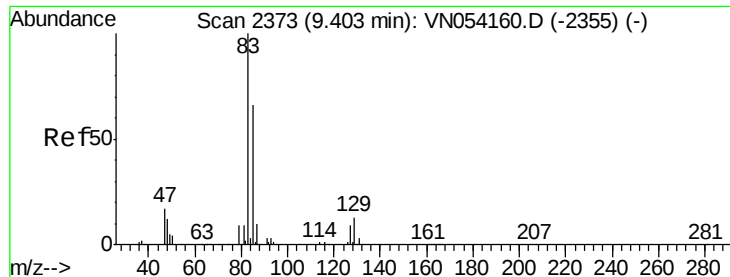


Abundance Ion 92.80 (92.50 to 93.50): VN054331.D (-2220) (-)

Ion 94.80 (94.50 to 95.50): VN054331.D (-2220) (-)

Ion 173.70 (173.40 to 174.40): VN054331.D (-2220) (-)





#47

Bromodichloromethane

Concen: 51.774 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

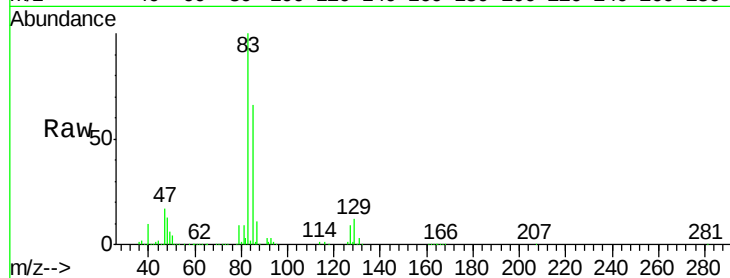
Tot Ion: 83 Resp: 971286

Ion Ratio Lower Upper

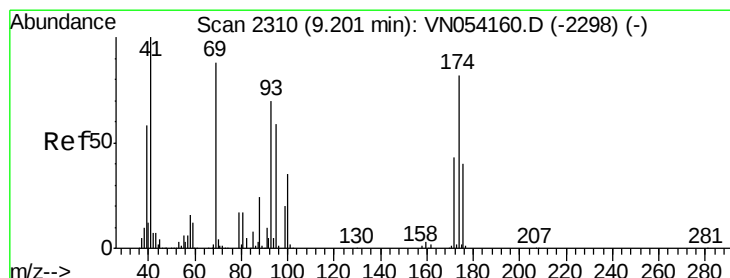
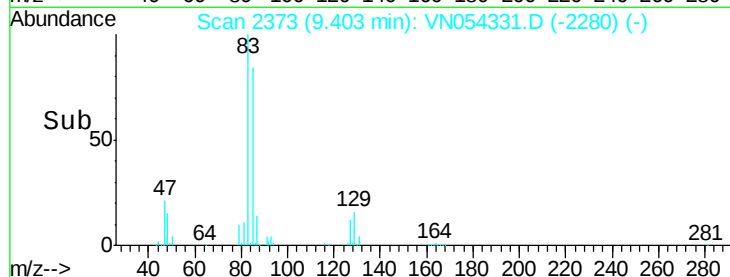
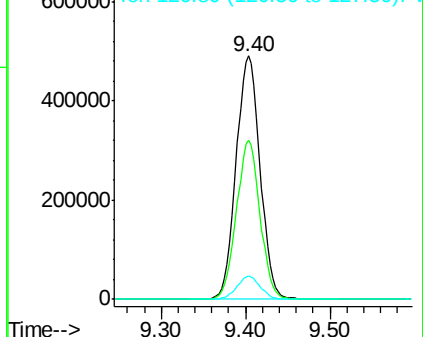
83 100

85 65.6 52.8 79.2

127 9.5 7.4 11.2



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



#48

Methyl methacrylate

Concen: 53.423 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

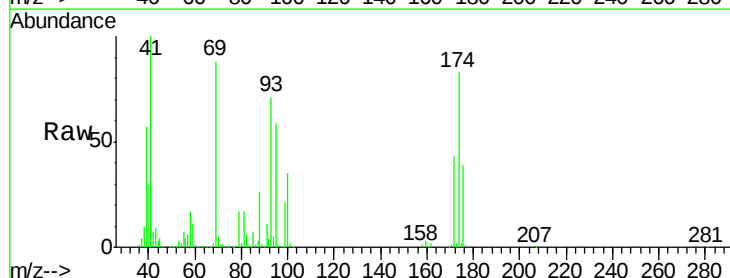
Tgt Ion: 41 Resp: 532974

Ion Ratio Lower Upper

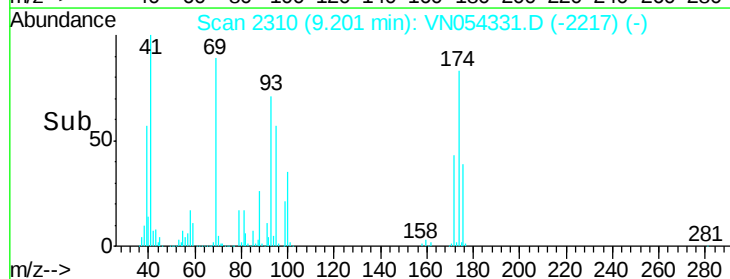
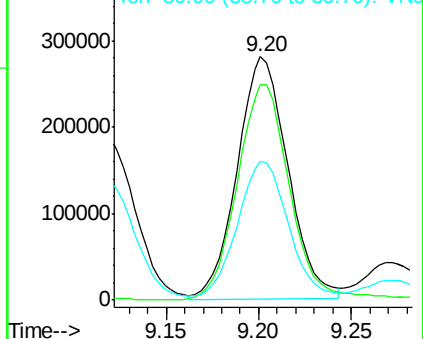
41 100

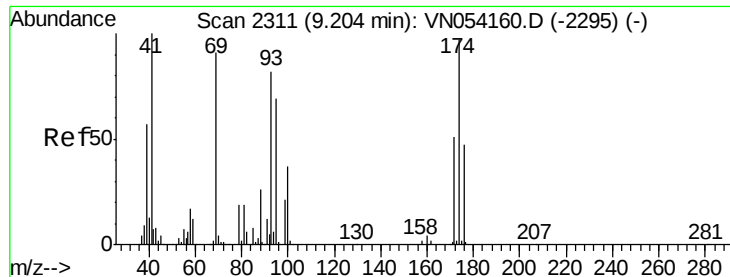
69 91.9 72.6 108.8

39 57.7 47.5 71.3



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





#49

1,4-Dioxane

Concen: 1128.284 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

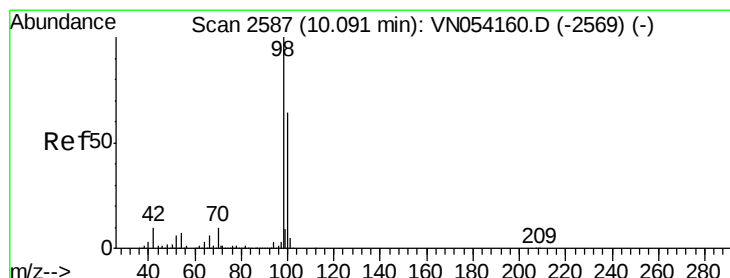
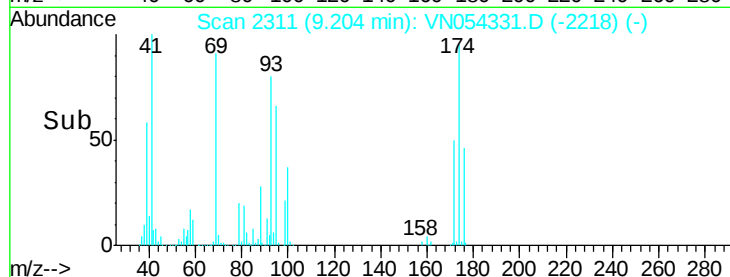
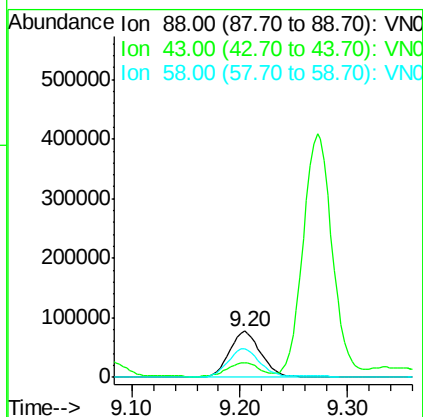
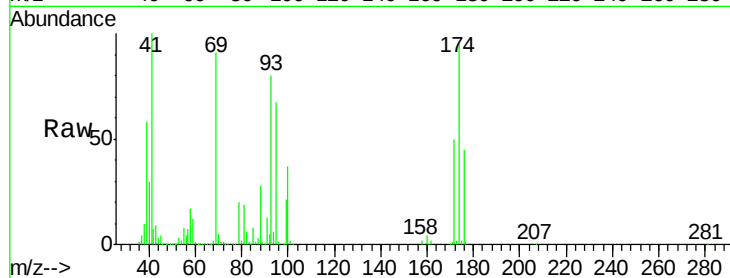
Tot Ion: 88 Resp: 159218

Ion Ratio Lower Upper

88 100

43 30.4 24.1 36.1

58 63.0 50.8 76.2



#50

Toluene-d8

Concen: 50.174 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054331.D

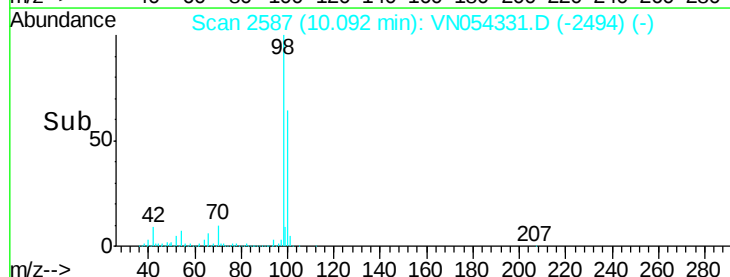
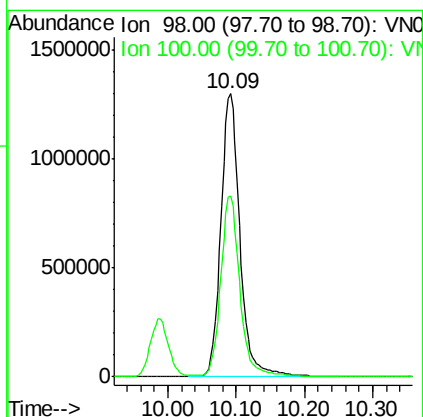
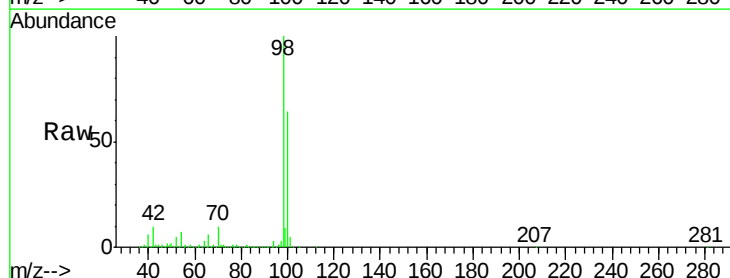
Acq: 16 Mar 2019 11:59

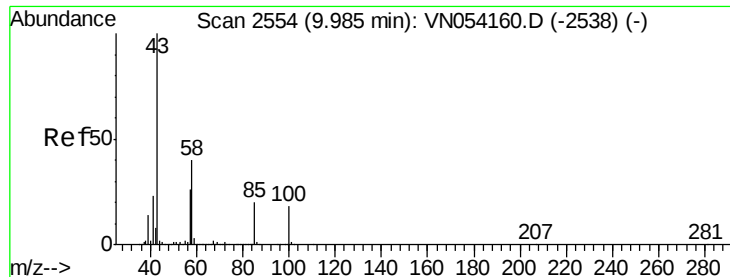
Tgt Ion: 98 Resp: 2529501

Ion Ratio Lower Upper

98 100

100 64.2 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 276.334 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

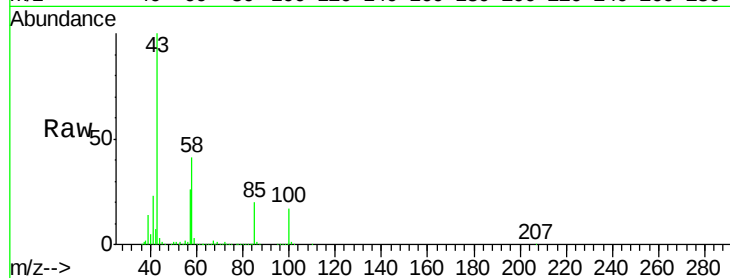
VSTDCCC050

Tot Ion: 43 Resp: 2874822

Ion Ratio Lower Upper

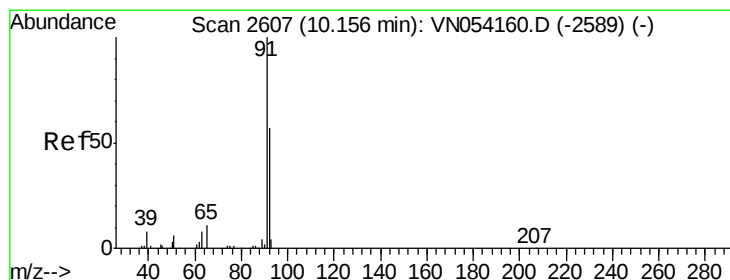
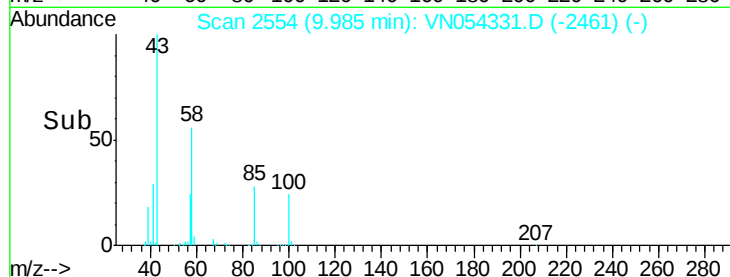
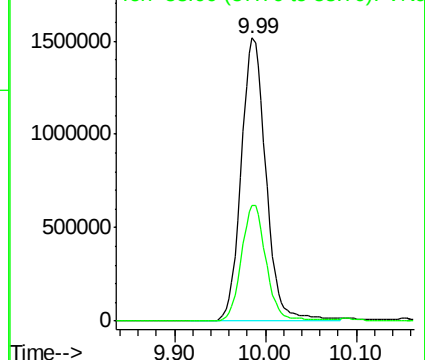
43 100

58 40.7 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.714 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054331.D

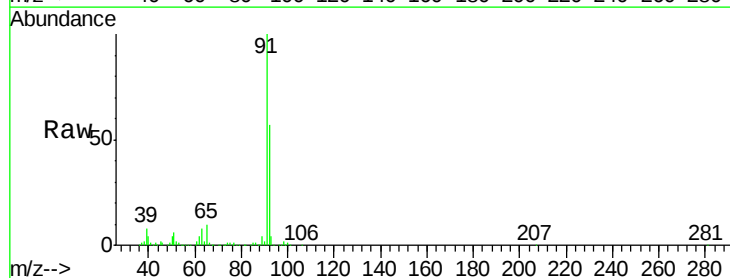
Acq: 16 Mar 2019 11:59

Tgt Ion: 92 Resp: 1828962

Ion Ratio Lower Upper

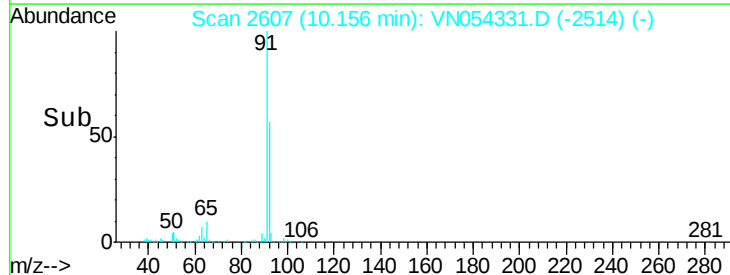
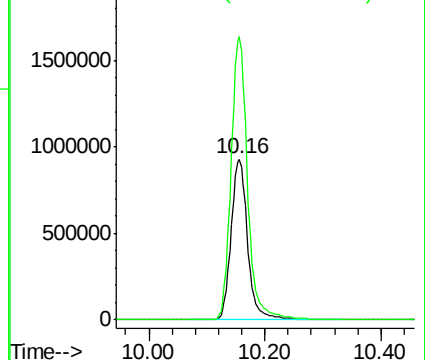
92 100

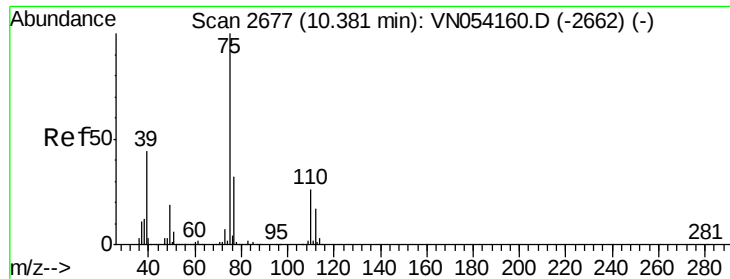
91 174.9 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 44.181 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

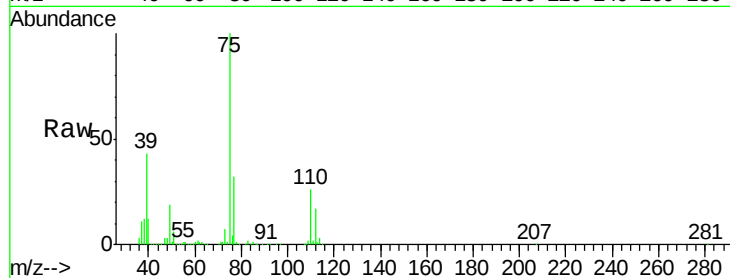
VSTDCCC050

Tot Ion: 75 Resp: 942829

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

500000

400000

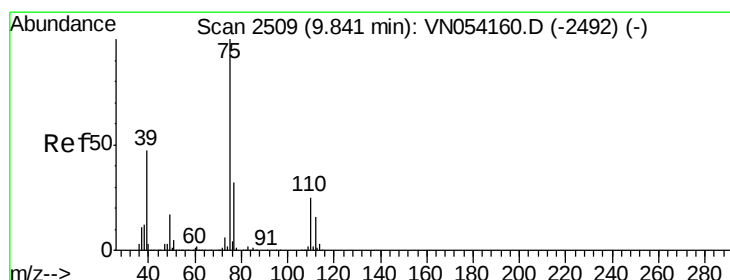
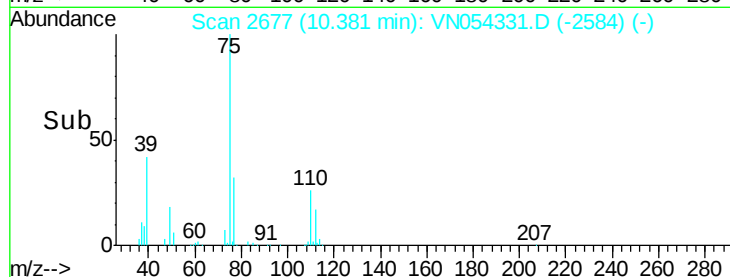
300000

200000

100000

0

Time--> 10.30 10.40 10.50



#54

cis-1,3-Dichloropropene

Concen: 50.900 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

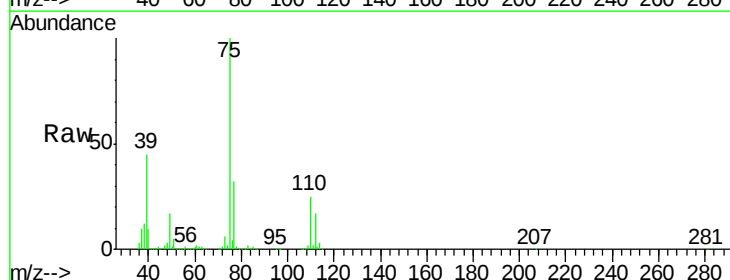
Tgt Ion: 75 Resp: 1112754

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

39 45.0 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

800000

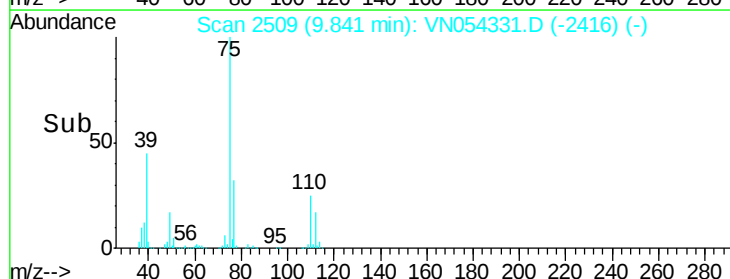
600000

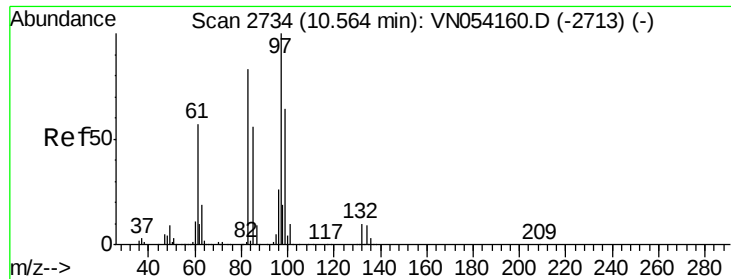
400000

200000

0

Time--> 9.70 9.80 9.90 10.00

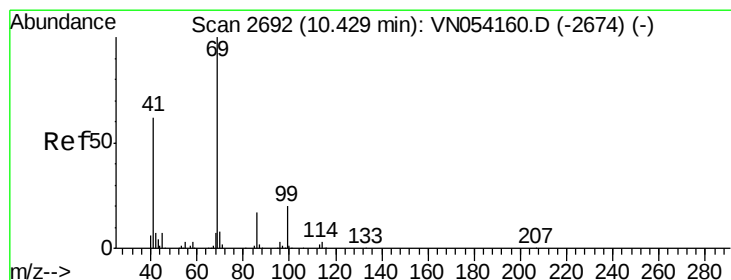
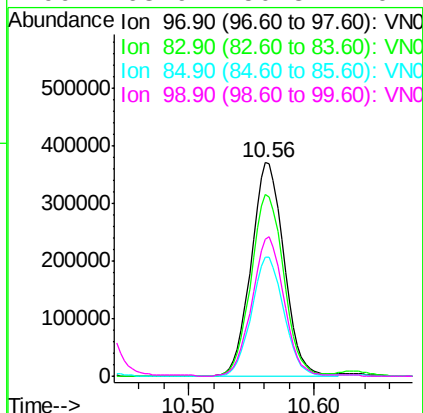
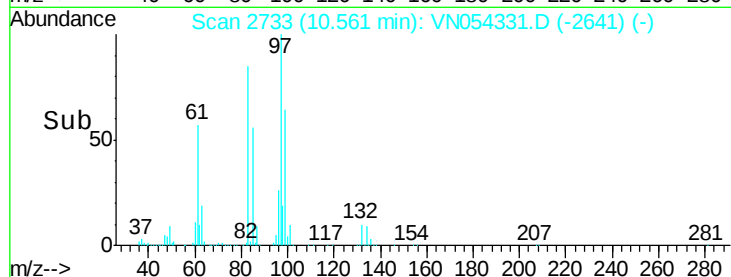
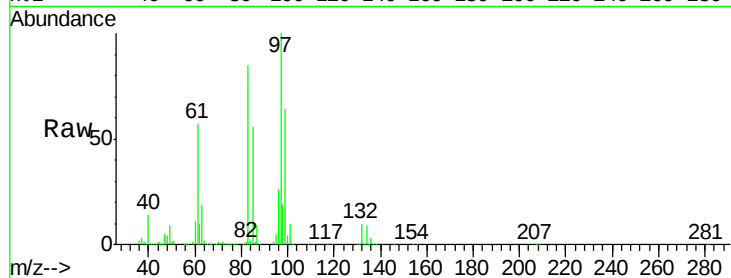




#55  
 1,1,2-Trichloroethane  
 Concen: 52.414 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. -0.00 min  
 Lab File: VN054331.D  
 Acq: 16 Mar 2019 11:59

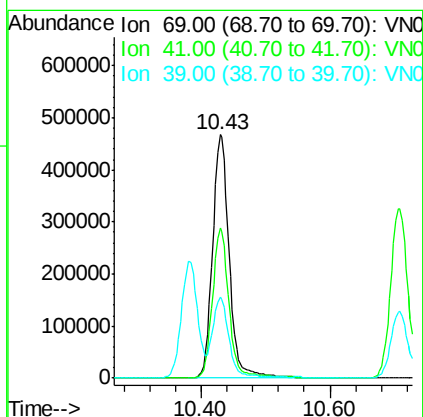
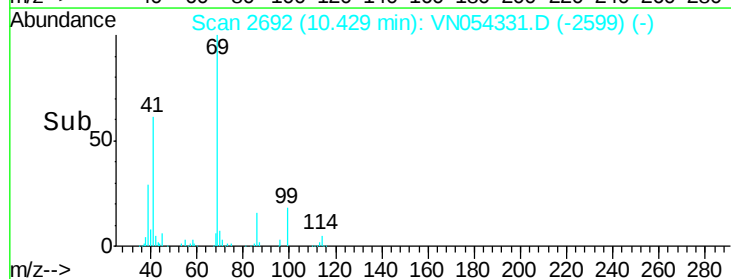
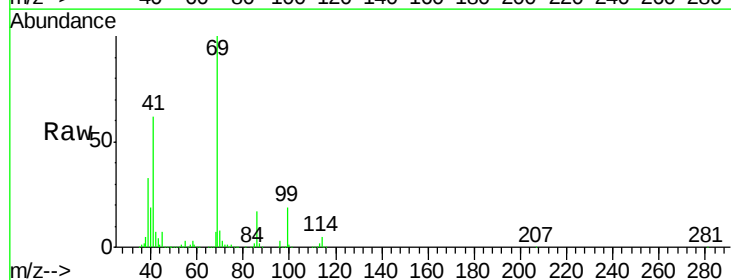
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

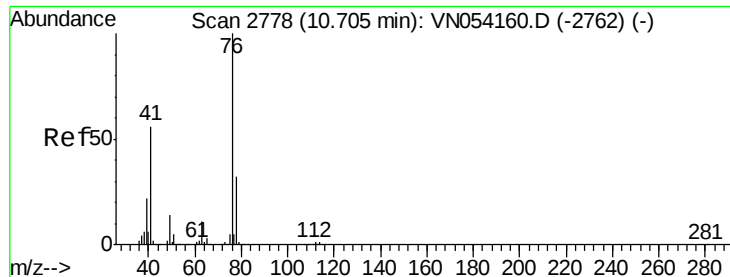
Tot Ion: 97 Resp: 676863  
 Ion Ratio Lower Upper  
 97 100  
 83 85.1 66.6 100.0  
 85 55.9 44.4 66.6  
 99 63.9 50.8 76.2



#56  
 Ethyl methacrylate  
 Concen: 54.319 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN054331.D  
 Acq: 16 Mar 2019 11:59

Tgt Ion: 69 Resp: 836408  
 Ion Ratio Lower Upper  
 69 100  
 41 59.7 49.4 74.2  
 39 32.3 28.3 42.5





#57

1,3-Dichloropropane

Concen: 52.858 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

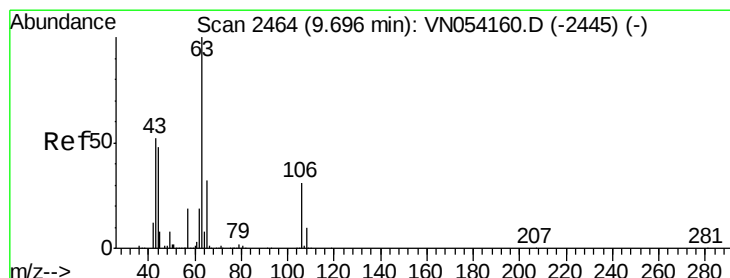
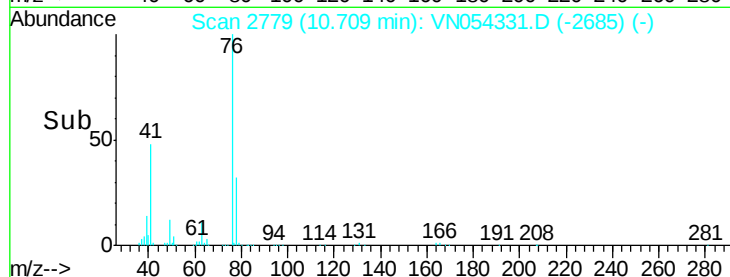
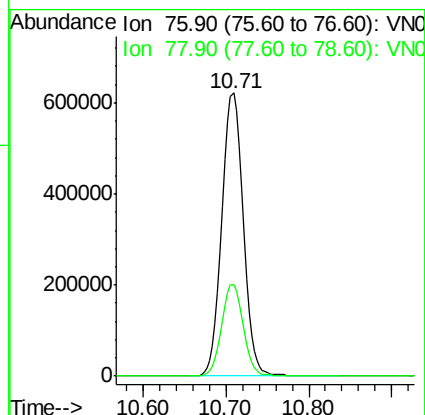
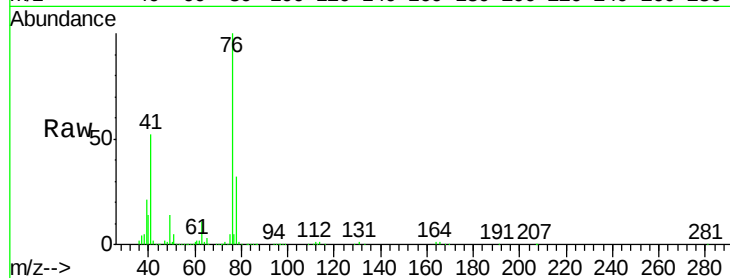
VSTDCCC050

Tot Ion: 76 Resp: 1116139

Ion Ratio Lower Upper

76 100

78 32.3 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 243.273 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054331.D

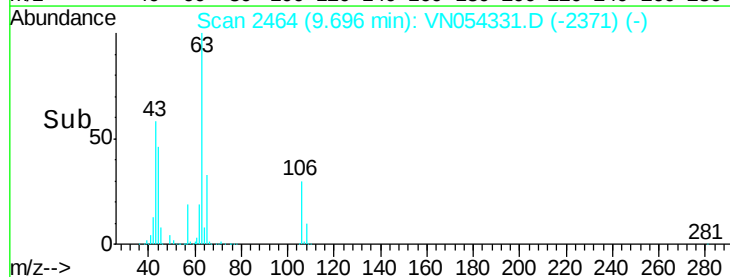
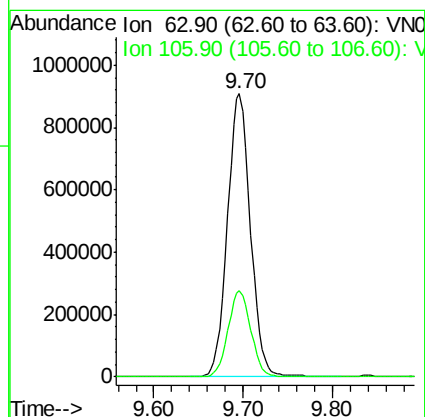
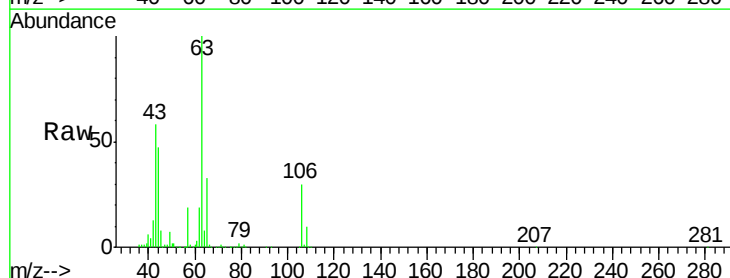
Acq: 16 Mar 2019 11:59

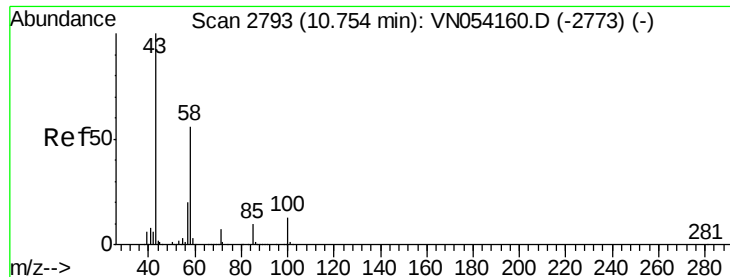
Tgt Ion: 63 Resp: 1621890

Ion Ratio Lower Upper

63 100

106 30.2 24.4 36.6

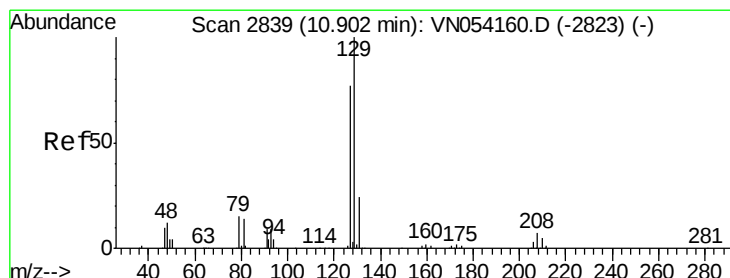
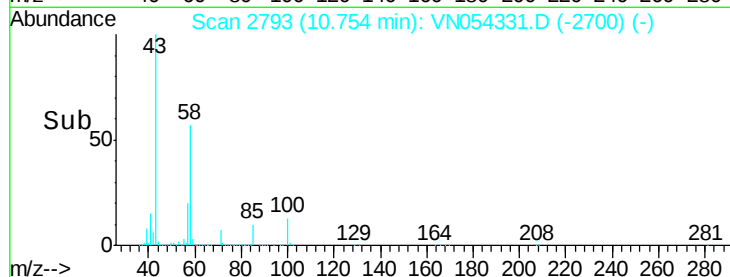
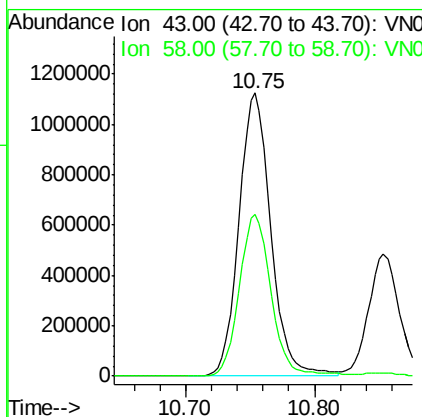
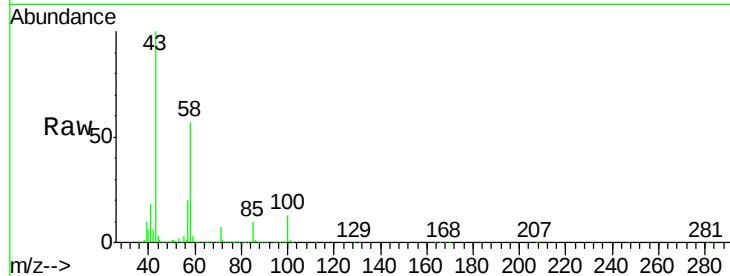




#59  
2-Hexanone  
Concen: 278.848 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN054331.D  
Acq: 16 Mar 2019 11:59

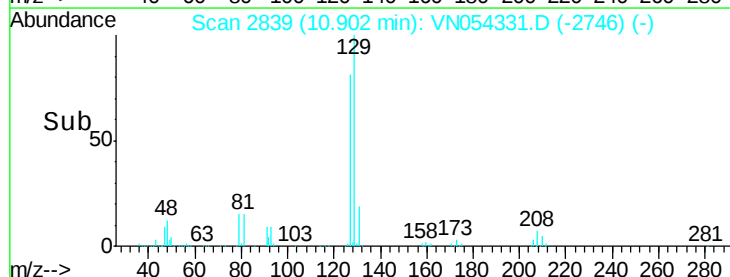
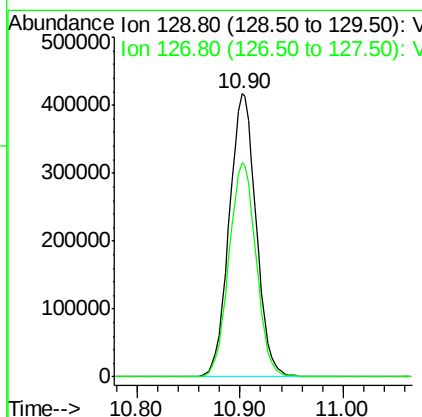
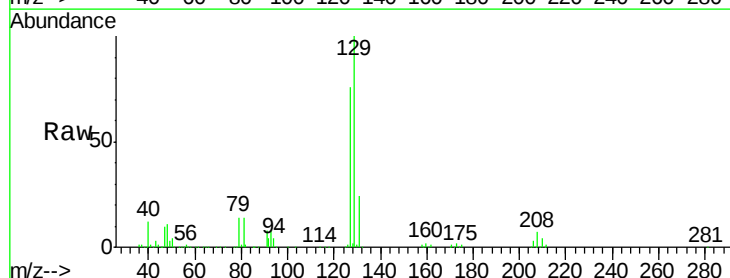
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

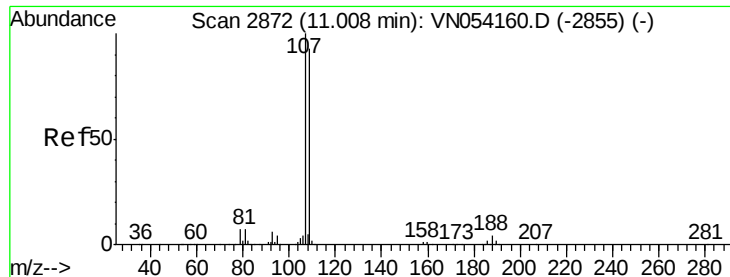
Tot Ion: 43 Resp: 1930305  
Ion Ratio Lower Upper  
43 100  
58 57.4 28.0 83.9



#60  
Dibromochloromethane  
Concen: 52.103 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN054331.D  
Acq: 16 Mar 2019 11:59

Tgt Ion: 129 Resp: 757328  
Ion Ratio Lower Upper  
129 100  
127 76.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 52.687 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

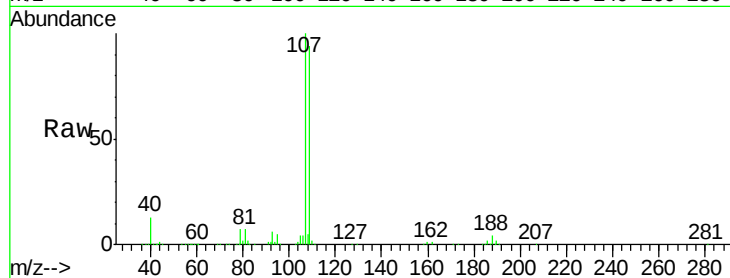
VSTDCCC050

Tot Ion: 107 Resp: 691415

Ion Ratio Lower Upper

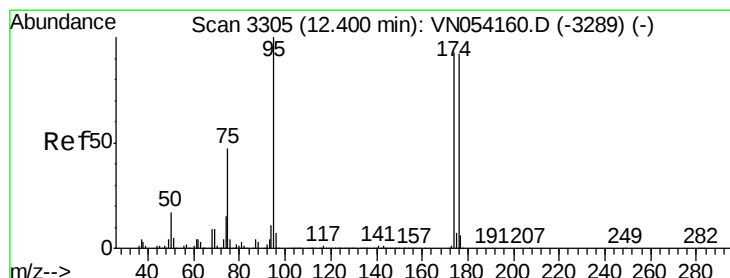
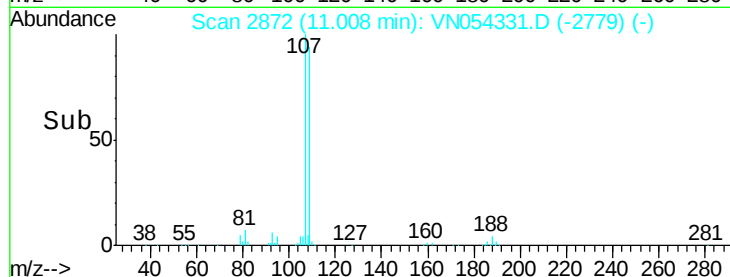
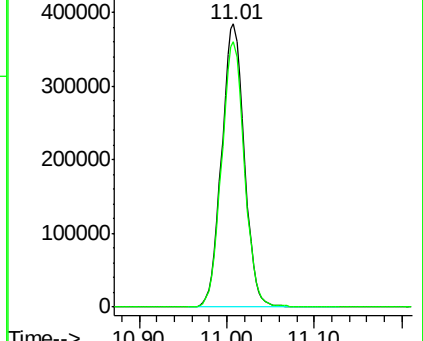
107 100

109 94.3 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.035 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

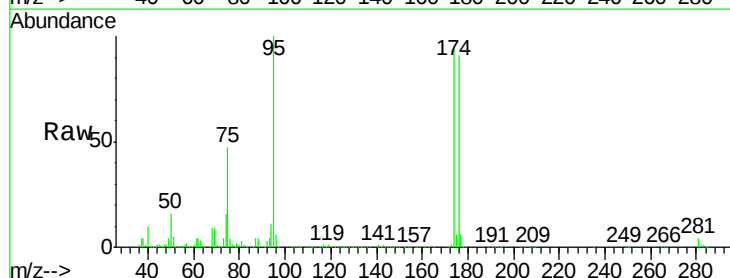
Tgt Ion: 95 Resp: 882635

Ion Ratio Lower Upper

95 100

174 96.0 0.0 191.0

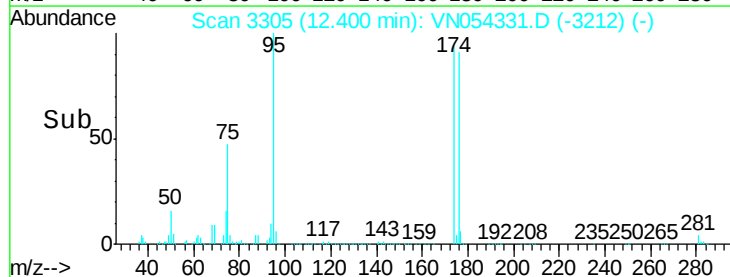
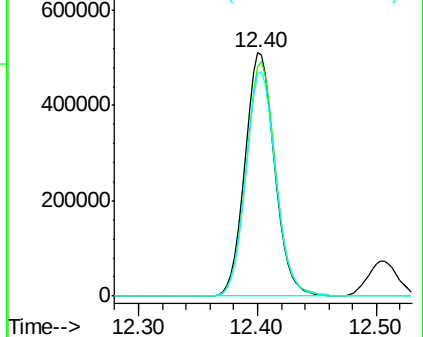
176 93.2 0.0 187.4

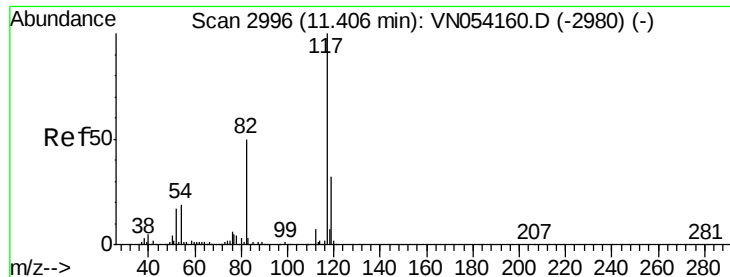


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

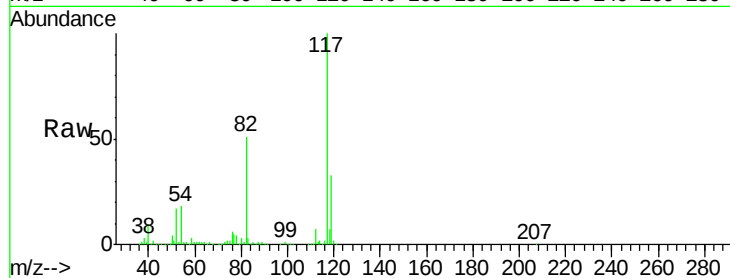
Tot Ion:117 Resp: 1869636

Ion Ratio Lower Upper

117 100

82 51.5 40.0 60.0

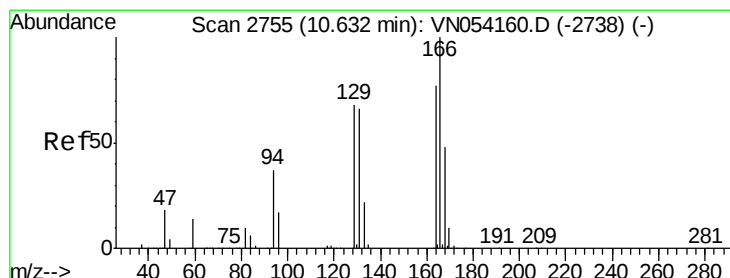
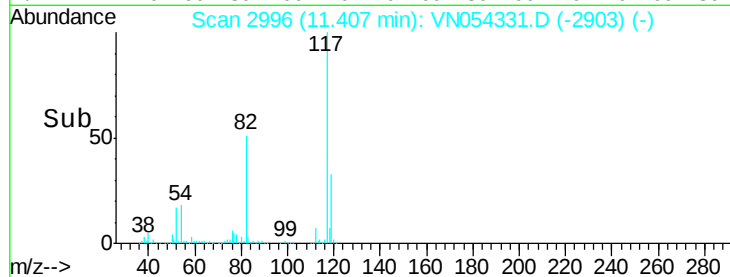
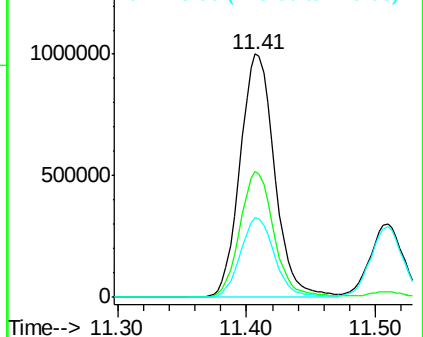
119 32.7 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 47.952 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Tgt Ion:164 Resp: 866810

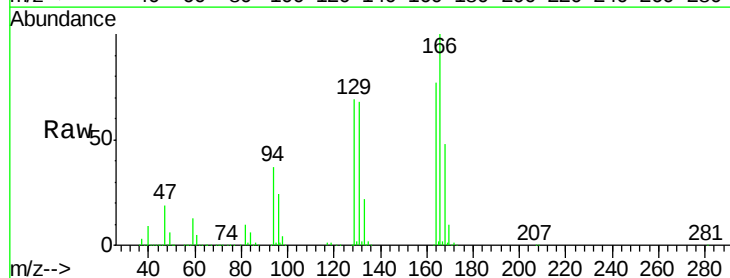
Ion Ratio Lower Upper

164 100

166 129.2 103.9 155.9

129 89.4 71.1 106.7

131 87.8 68.2 102.4

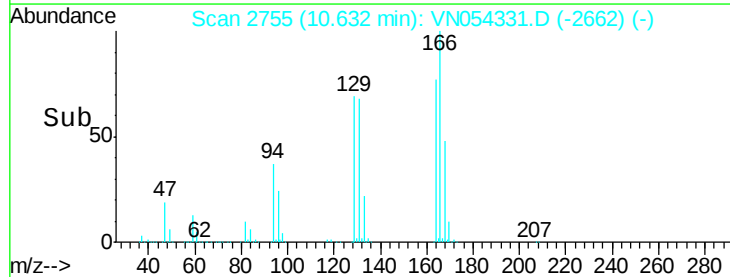
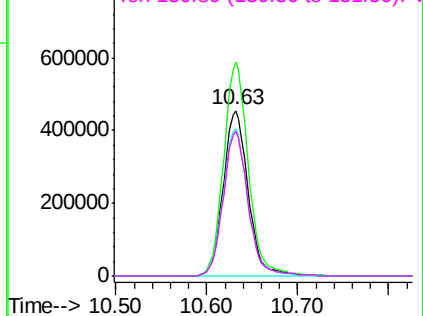


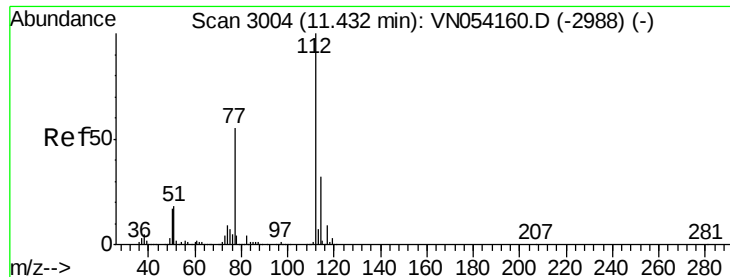
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 51.255 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

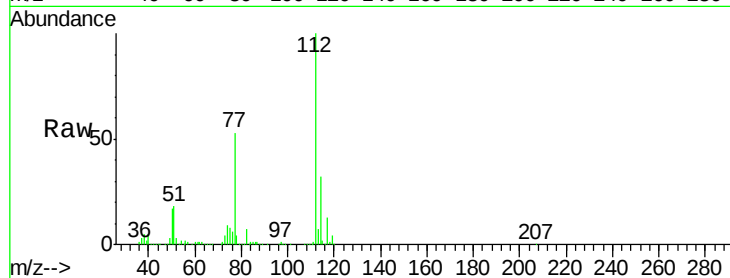
VSTDCCC050

Tot Ion:112 Resp: 2104136

Ion Ratio Lower Upper

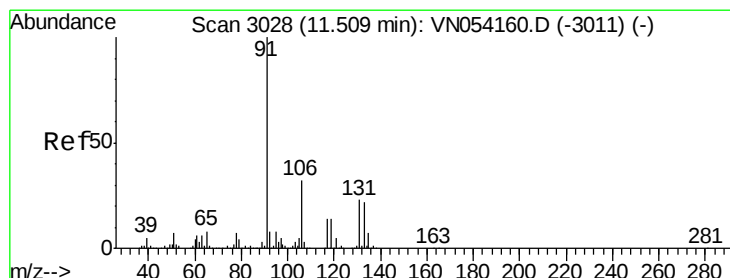
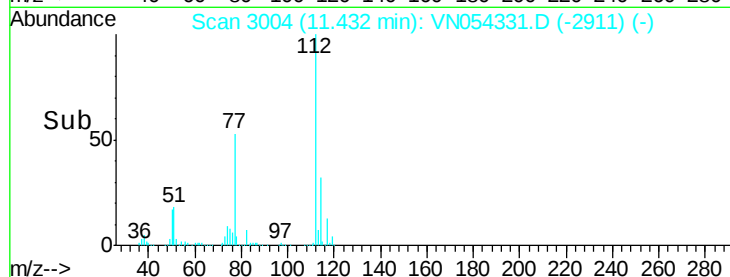
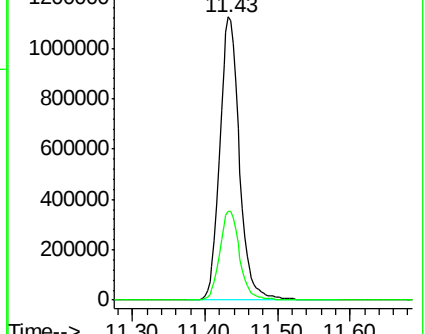
112 100

114 31.6 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.824 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

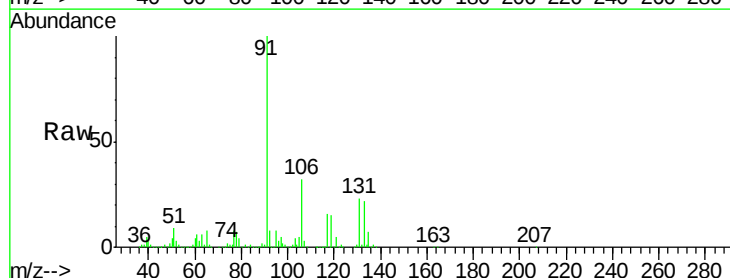
Tgt Ion:131 Resp: 772861

Ion Ratio Lower Upper

131 100

133 95.7 47.6 142.9

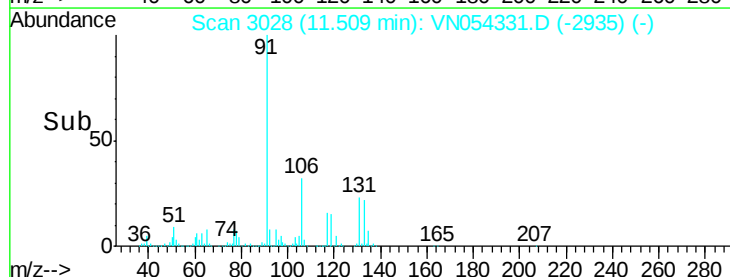
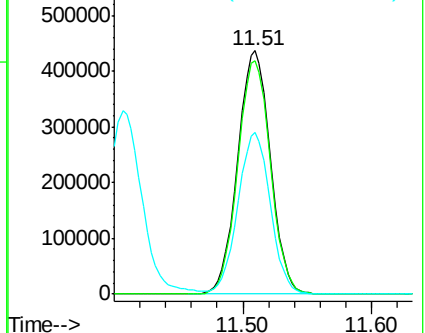
119 65.7 32.4 97.0

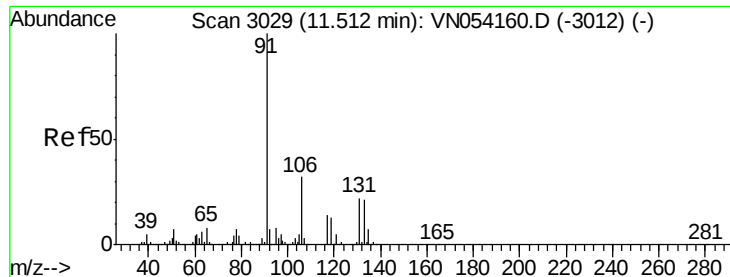


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

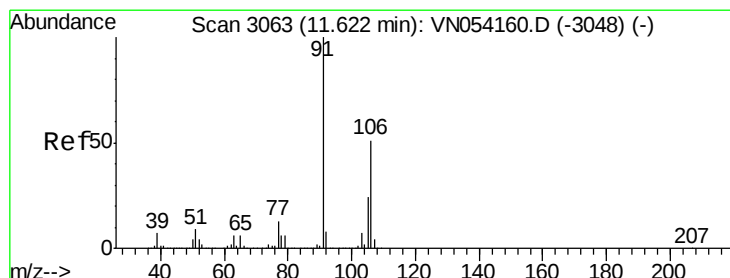
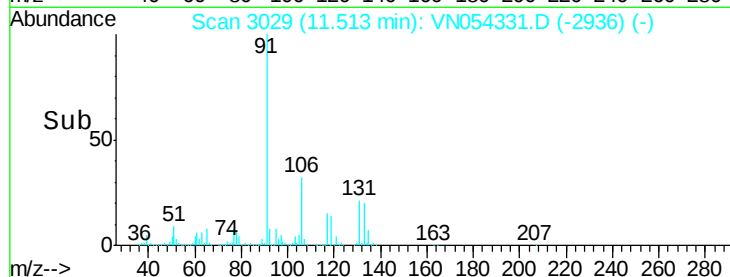
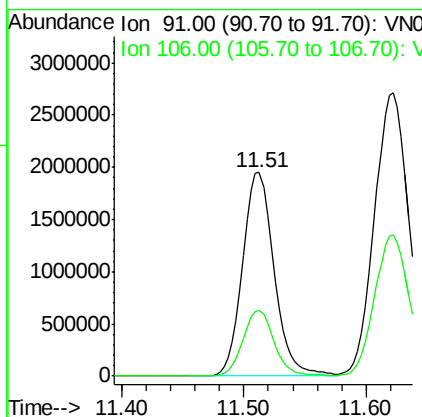
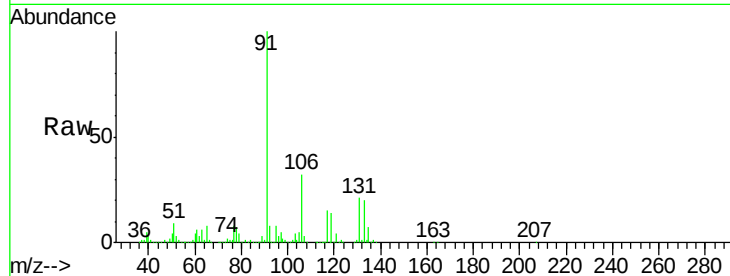




#67  
Ethyl Benzene  
Concen: 51.243 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN054331.D  
Acq: 16 Mar 2019 11:59

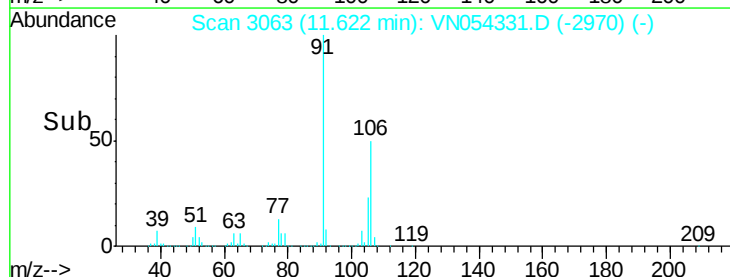
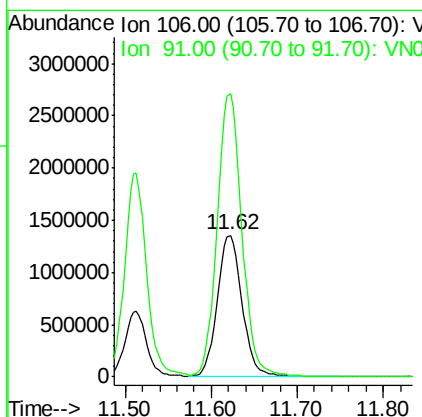
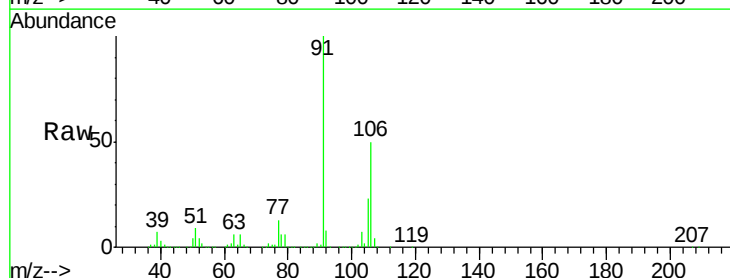
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

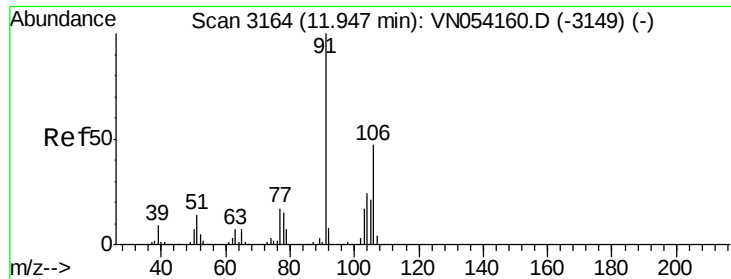
Tot Ion: 91 Resp: 3487145  
Ion Ratio Lower Upper  
91 100  
106 32.4 25.5 38.3



#68  
m/p-Xylenes  
Concen: 102.580 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN054331.D  
Acq: 16 Mar 2019 11:59

Tgt Ion: 106 Resp: 2728377  
Ion Ratio Lower Upper  
106 100  
91 199.2 159.4 239.2

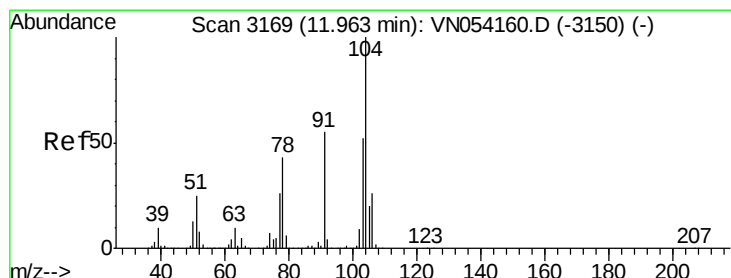
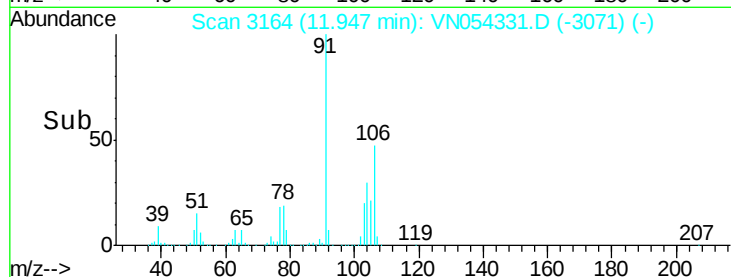
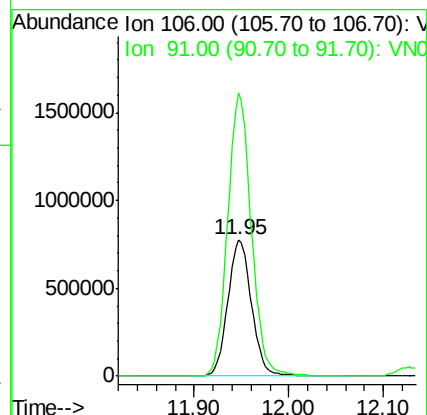
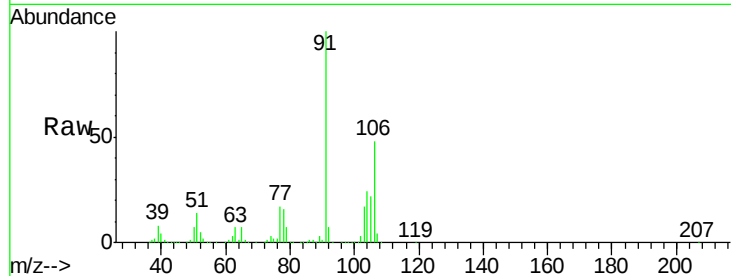




#69  
o-Xylene  
Concen: 52.118 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN054331.D  
Acq: 16 Mar 2019 11:59

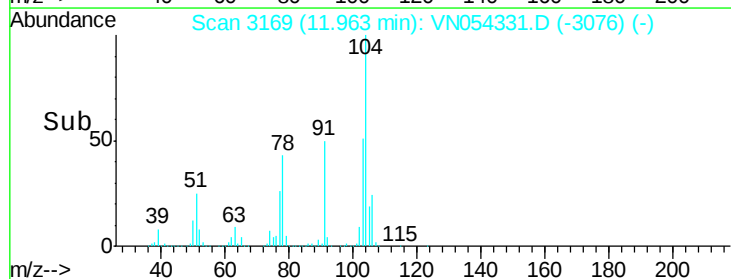
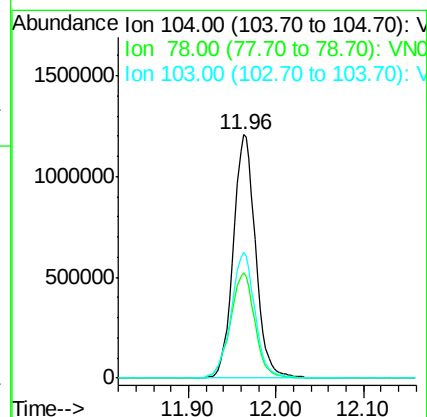
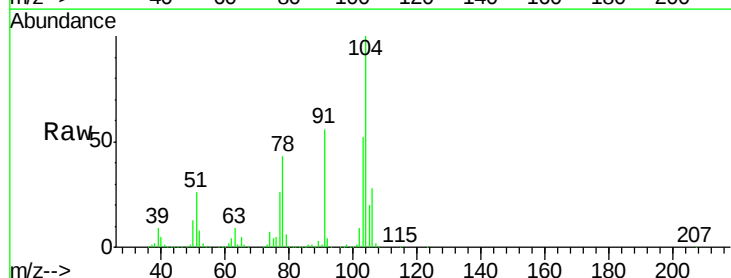
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

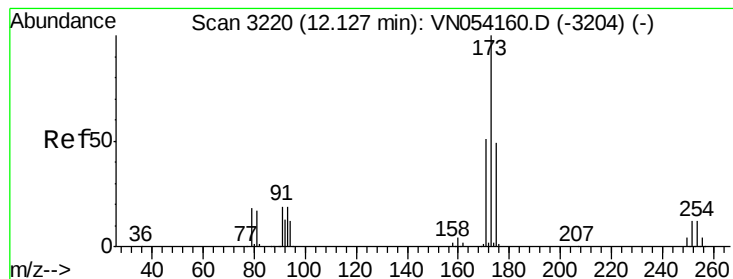
Tot Ion:106 Resp: 1351321  
Ion Ratio Lower Upper  
106 100  
91 206.9 105.7 317.1



#70  
Styrene  
Concen: 52.458 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN054331.D  
Acq: 16 Mar 2019 11:59

Tgt Ion:104 Resp: 2133156  
Ion Ratio Lower Upper  
104 100  
78 47.8 38.2 57.2  
103 55.5 44.4 66.6





#71

Bromoform

Concen: 44.357 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

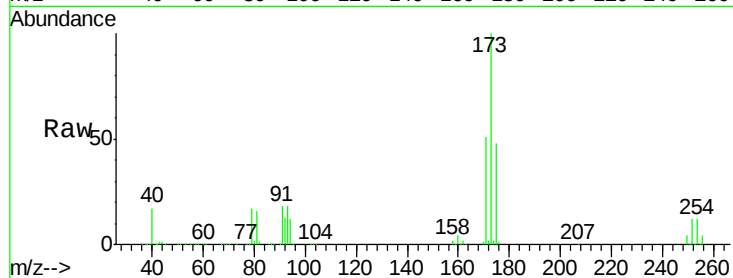
Tot Ion:173 Resp: 501097

Ion Ratio Lower Upper

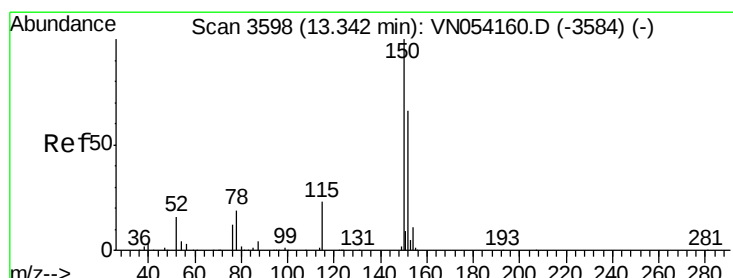
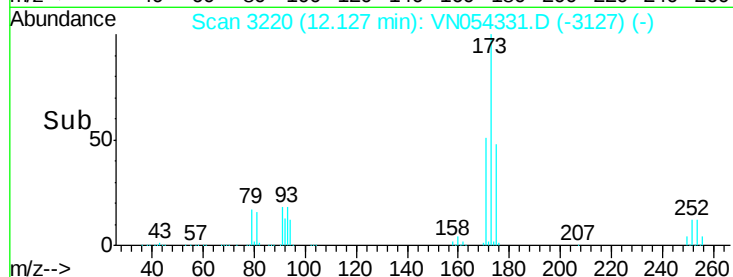
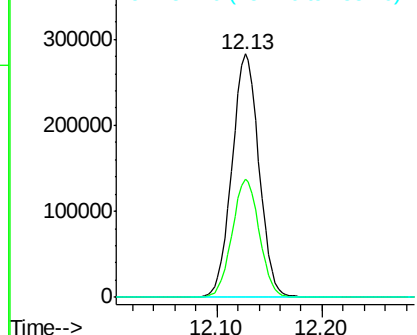
173 100

175 48.8 24.4 73.2

254 0.2 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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

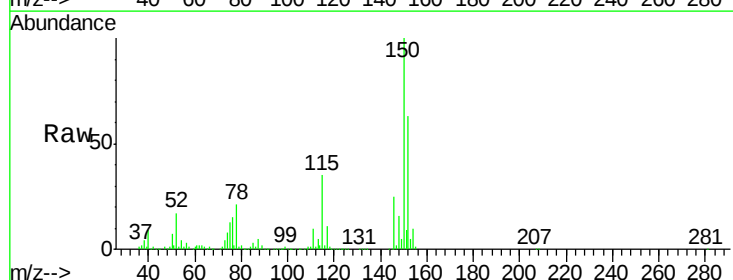
Tgt Ion:152 Resp: 908675

Ion Ratio Lower Upper

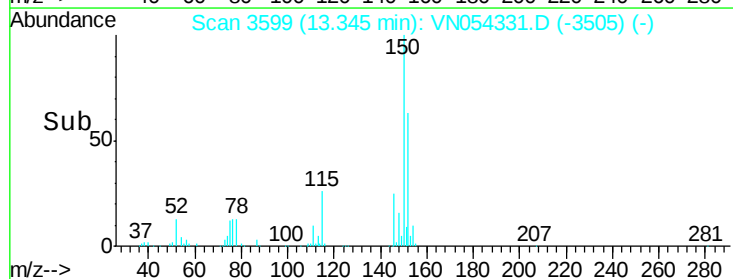
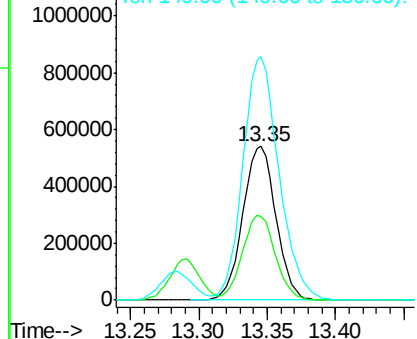
152 100

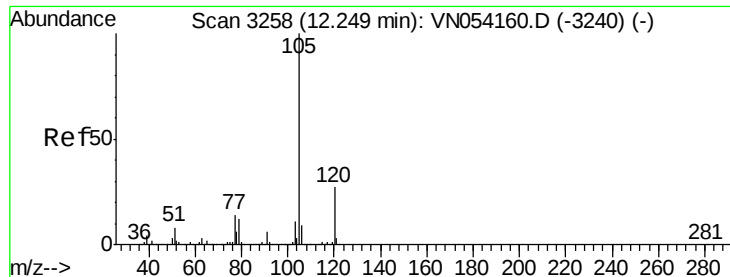
115 54.9 27.2 81.6

150 172.6 0.0 349.2



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





#73

Isopropylbenzene

Concen: 48.711 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

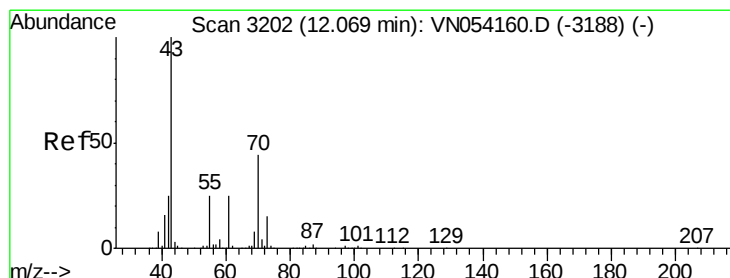
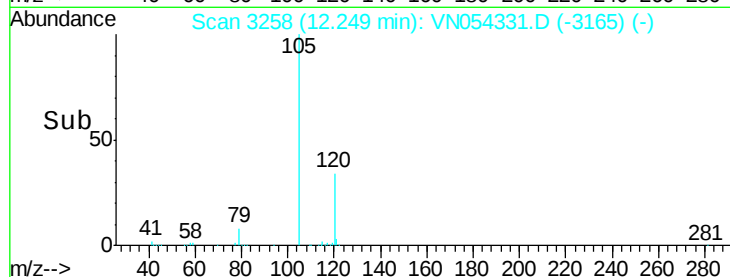
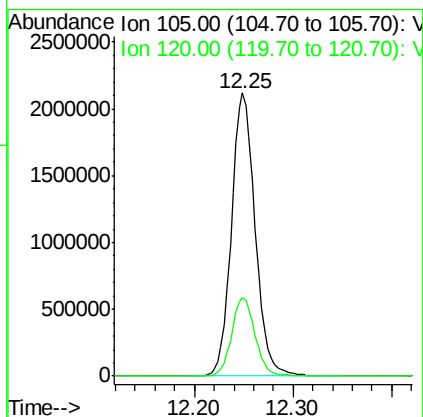
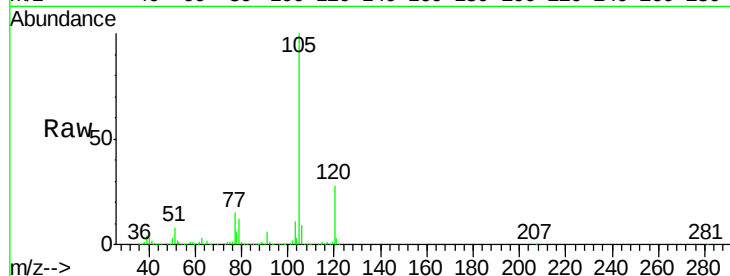
VSTDCCC050

Tot Ion:105 Resp: 3541293

Ion Ratio Lower Upper

105 100

120 27.5 13.8 41.3



#74

N-ethyl acetate

Concen: 50.698 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Tgt Ion: 43 Resp: 818111

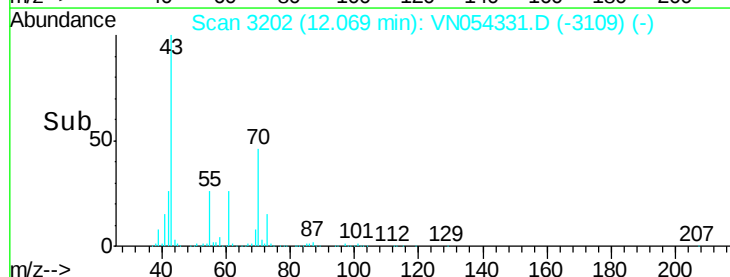
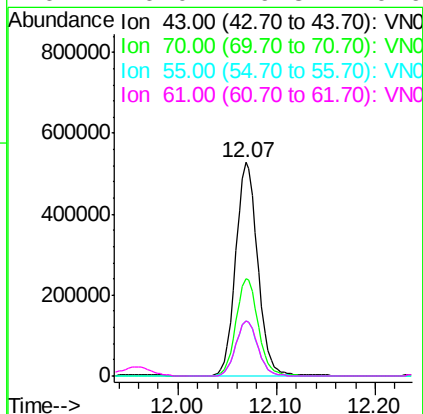
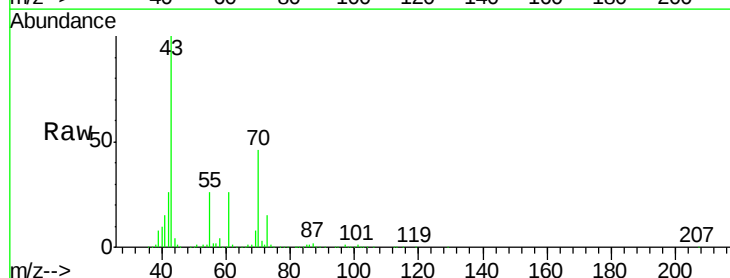
Ion Ratio Lower Upper

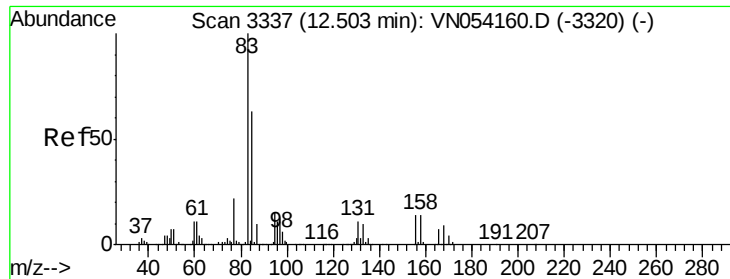
43 100

70 46.1 35.4 53.0

55 26.3 19.8 29.6

61 26.0 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.140 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

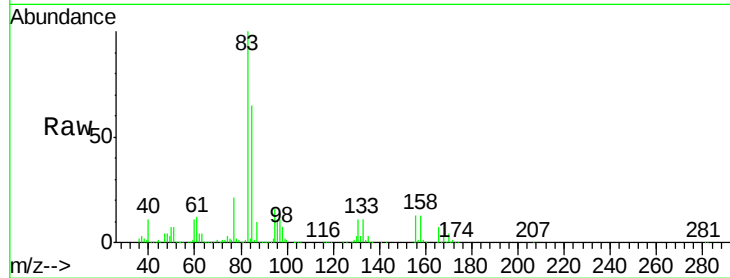
Tot Ion: 83 Resp: 792103

Ion Ratio Lower Upper

83 100

131 11.5 5.8 17.4

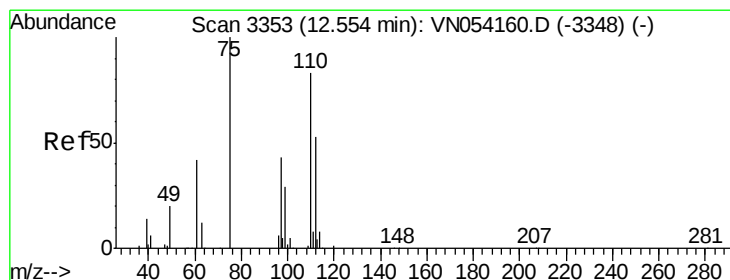
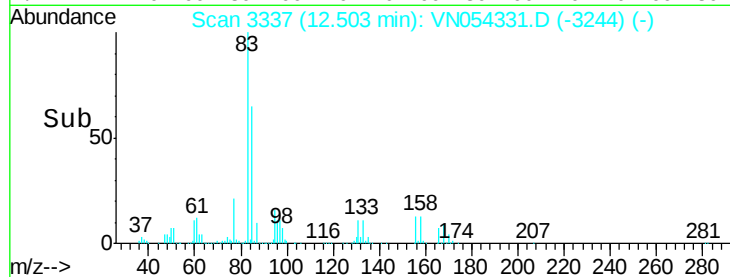
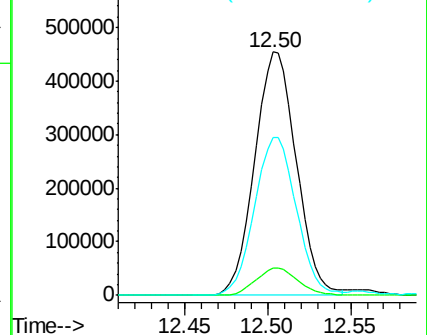
85 65.2 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054160.D (-3320) (-)

Ion 130.80 (130.50 to 131.50): VN054160.D (-3320) (-)

Ion 84.90 (84.60 to 85.60): VN054160.D (-3320) (-)



#76

1,2,3-Trichloropropane

Concen: 70.413 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054331.D

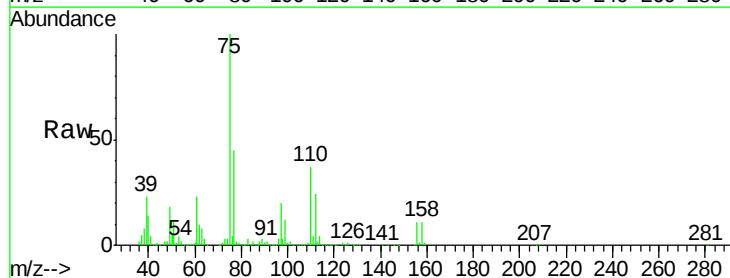
Acq: 16 Mar 2019 11:59

Tgt Ion: 75 Resp: 940893

Ion Ratio Lower Upper

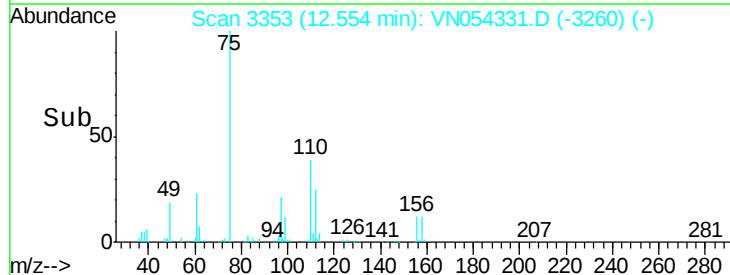
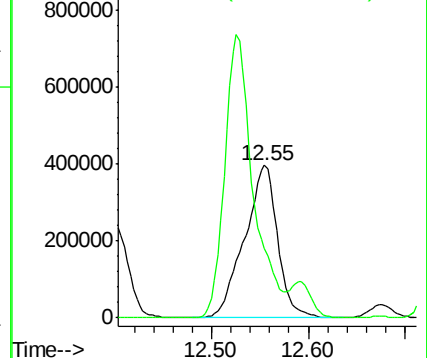
75 100

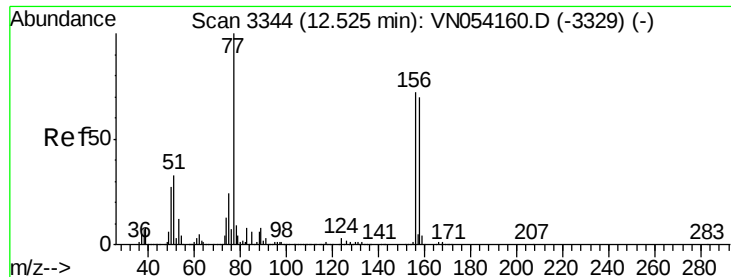
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054160.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054160.D (-3348) (-)





#77

Bromobenzene

Concen: 48.394 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

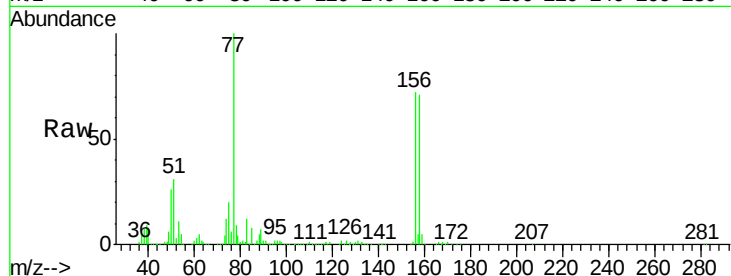
Tot Ion:156 Resp: 930977

Ion Ratio Lower Upper

156 100

77 162.6 81.5 244.4

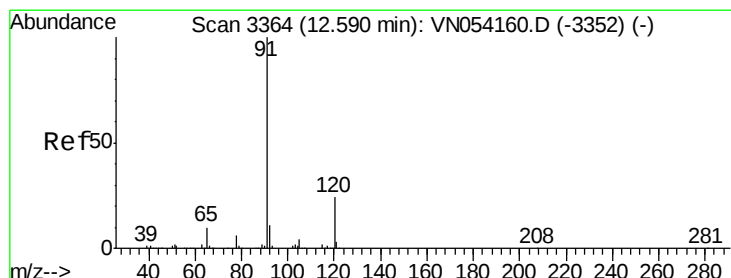
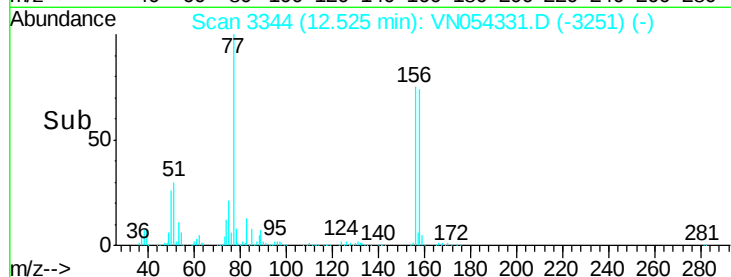
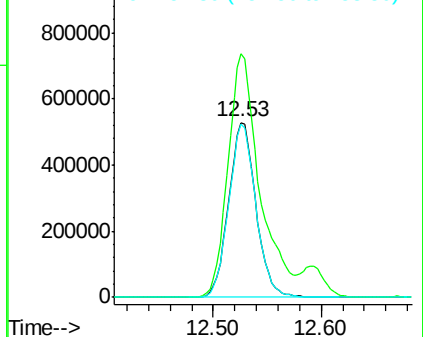
158 98.8 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.320 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054331.D

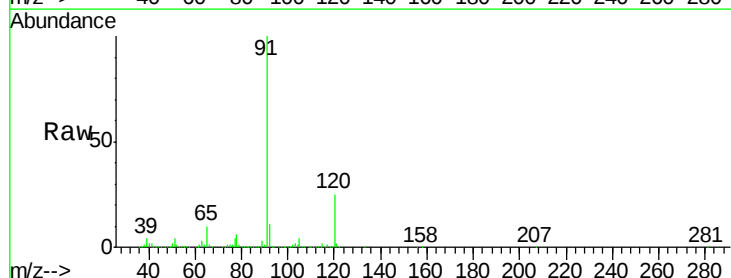
Acq: 16 Mar 2019 11:59

Tgt Ion: 91 Resp: 3890532

Ion Ratio Lower Upper

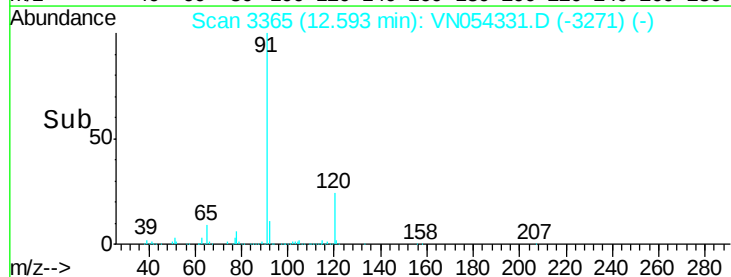
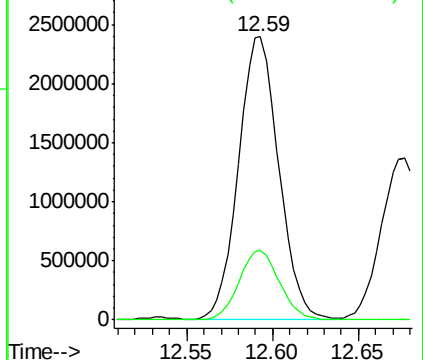
91 100

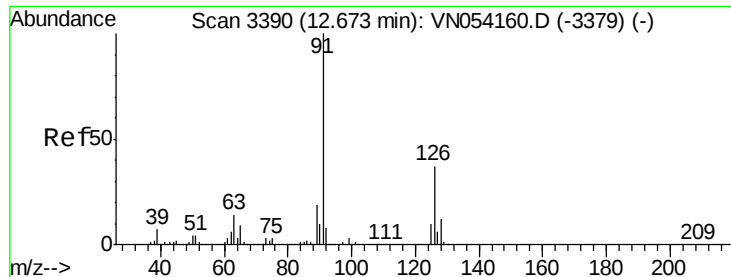
120 24.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

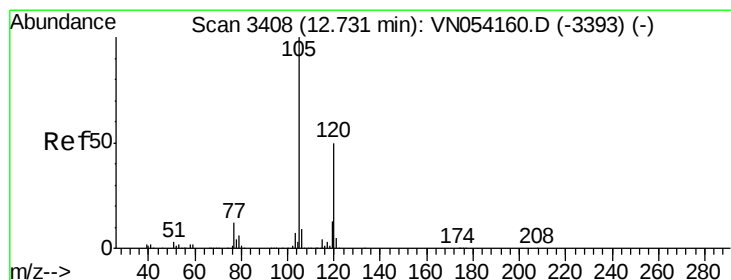
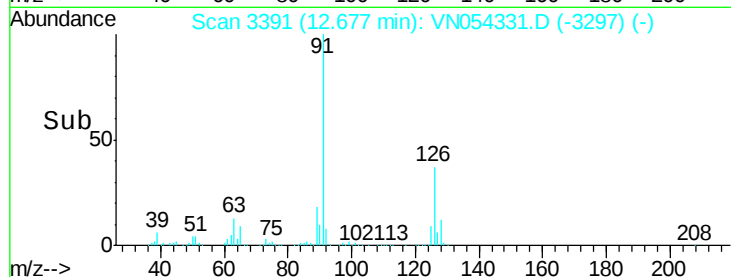
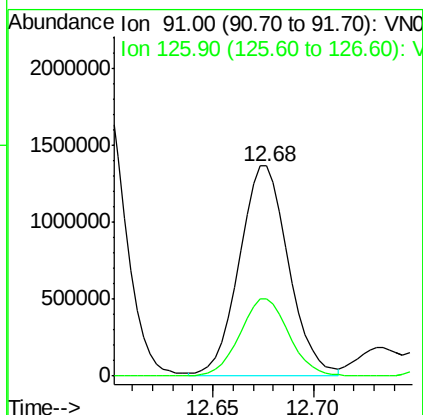
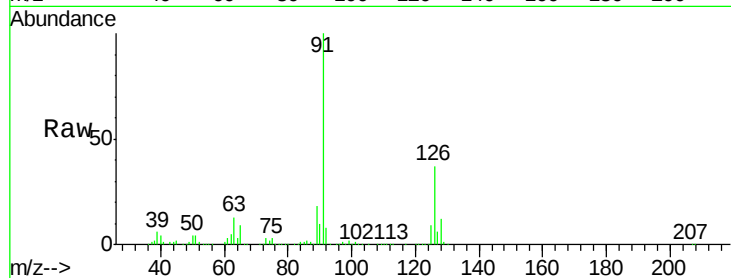




#79  
 2-Chlorotoluene  
 Concen: 48.983 ug/l  
 RT: 12.68 min Scan# 3391  
 Delta R.T. 0.00 min  
 Lab File: VN054331.D  
 Acq: 16 Mar 2019 11:59

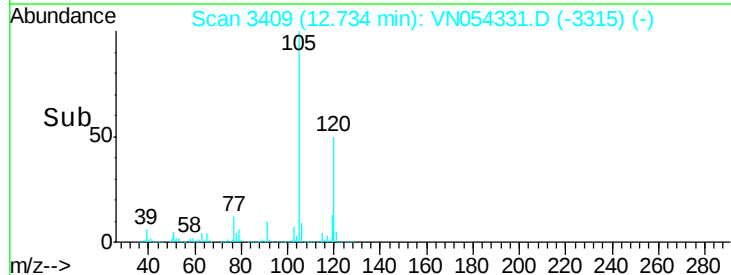
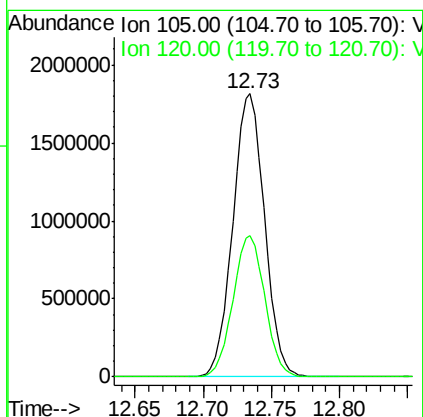
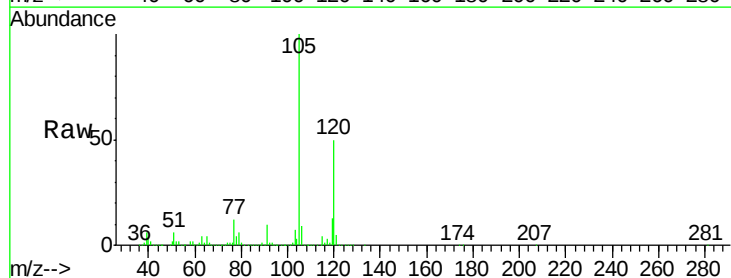
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

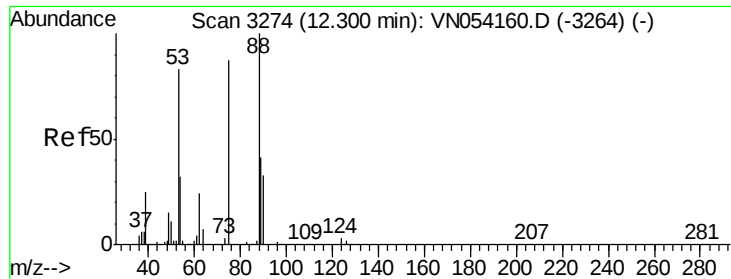
Tot Ion: 91 Resp: 2323291  
 Ion Ratio Lower Upper  
 91 100  
 126 37.3 18.7 56.1



#80  
 1,3,5-Trimethylbenzene  
 Concen: 48.451 ug/l  
 RT: 12.73 min Scan# 3409  
 Delta R.T. 0.00 min  
 Lab File: VN054331.D  
 Acq: 16 Mar 2019 11:59

Tgt Ion: 105 Resp: 2929847  
 Ion Ratio Lower Upper  
 105 100  
 120 50.0 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 42.952 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

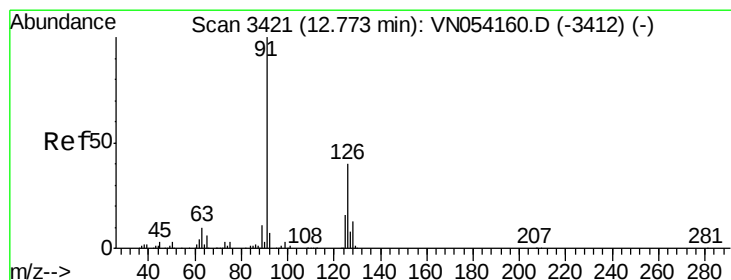
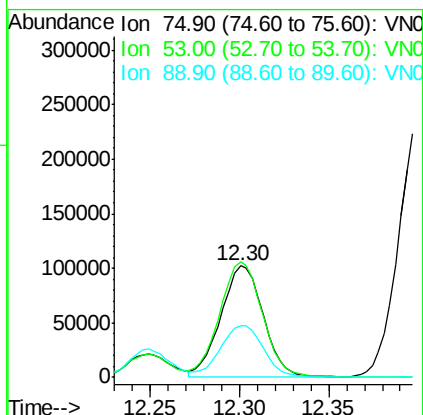
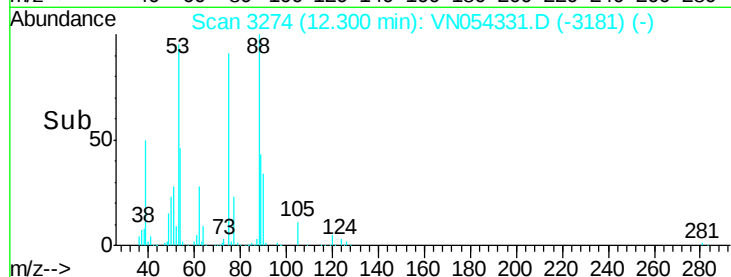
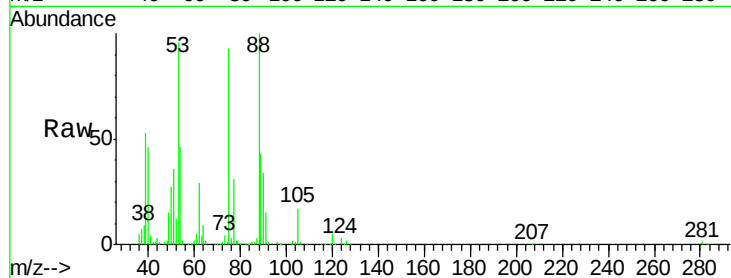
Tot Ion: 75 Resp: 167897

Ion Ratio Lower Upper

75 100

53 106.5 76.2 114.2

89 46.6 39.2 58.8



#82

4-Chlorotoluene

Concen: 49.405 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054331.D

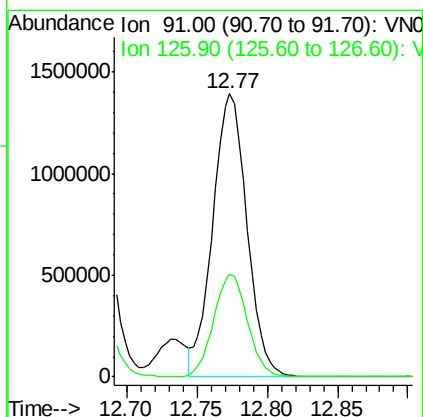
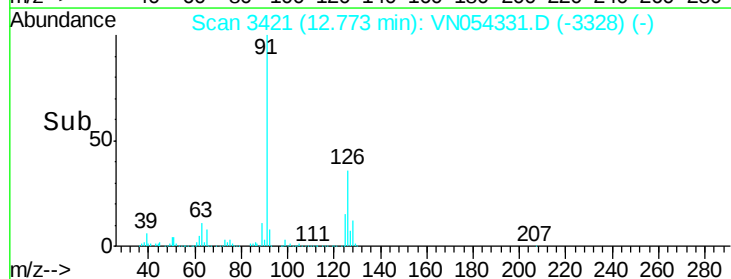
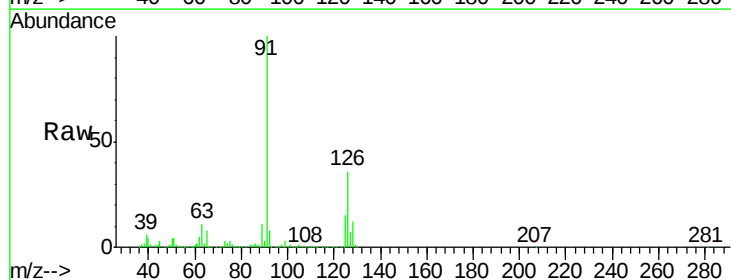
Acq: 16 Mar 2019 11:59

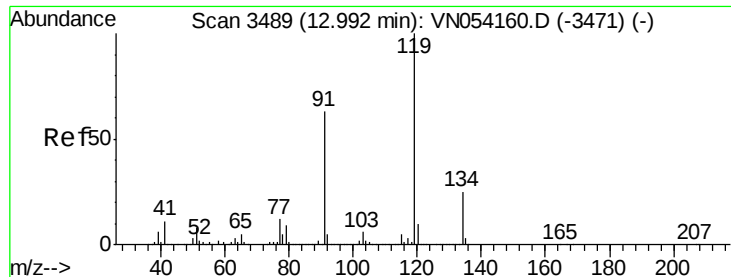
Tgt Ion: 91 Resp: 2339851

Ion Ratio Lower Upper

91 100

126 36.1 18.1 54.1

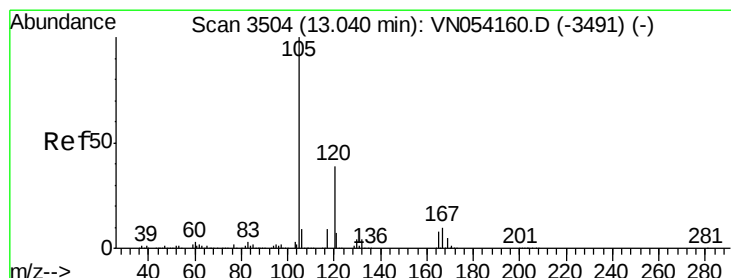
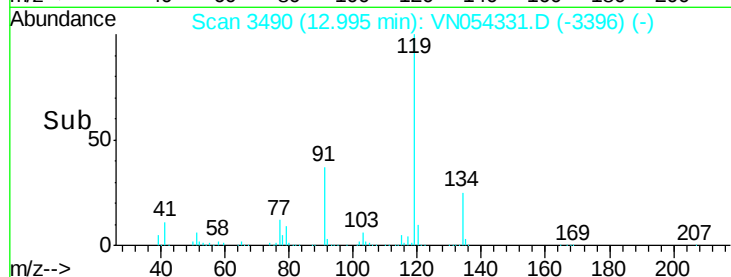
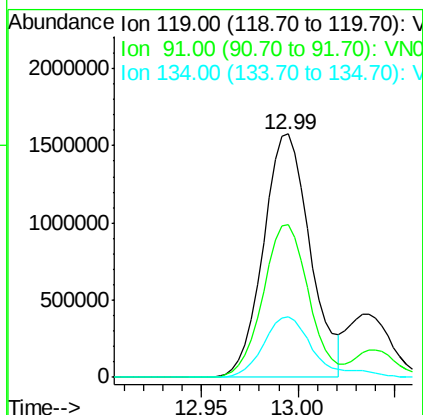
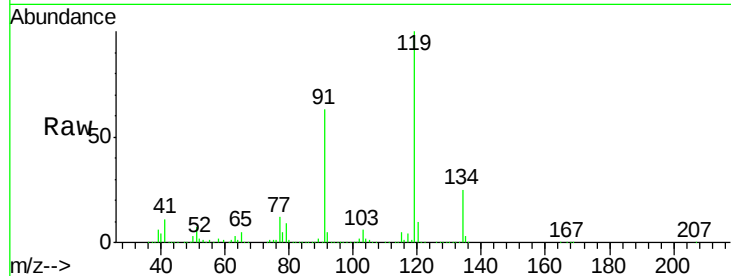




#83  
tert-Butylbenzene  
Concen: 47.646 ug/l  
RT: 12.99 min Scan# 3490  
Delta R.T. 0.00 min  
Lab File: VN054331.D  
Acq: 16 Mar 2019 11:59

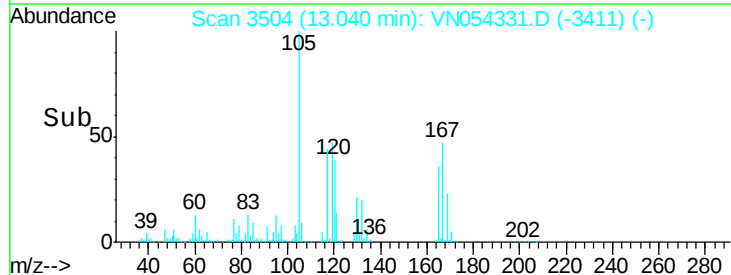
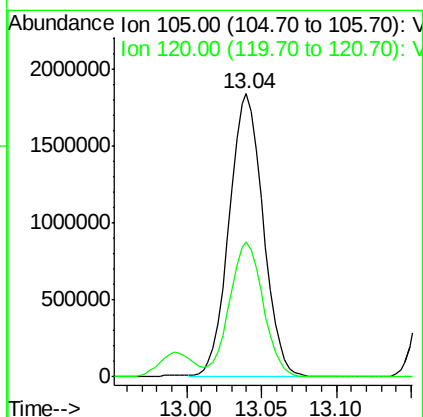
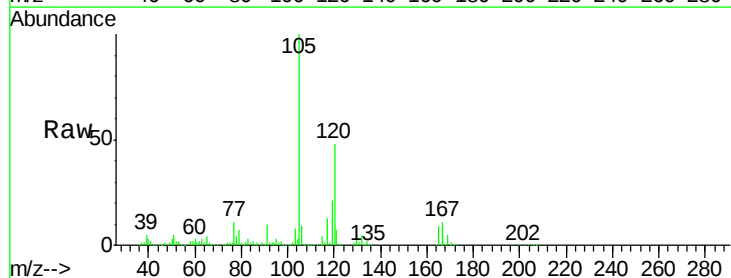
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

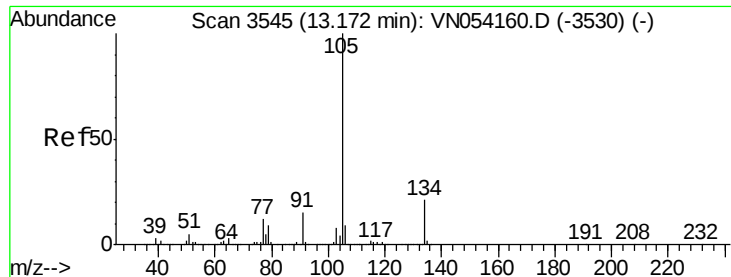
Tot Ion:119 Resp: 2651959  
Ion Ratio Lower Upper  
119 100  
91 61.6 30.9 92.8  
134 26.7 13.2 39.6



#84  
1,2,4-Trimethylbenzene  
Concen: 49.117 ug/l  
RT: 13.04 min Scan# 3504  
Delta R.T. 0.00 min  
Lab File: VN054331.D  
Acq: 16 Mar 2019 11:59

Tgt Ion:105 Resp: 2913862  
Ion Ratio Lower Upper  
105 100  
120 47.4 23.4 70.3





#85

sec-Butylbenzene

Concen: 47.770 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

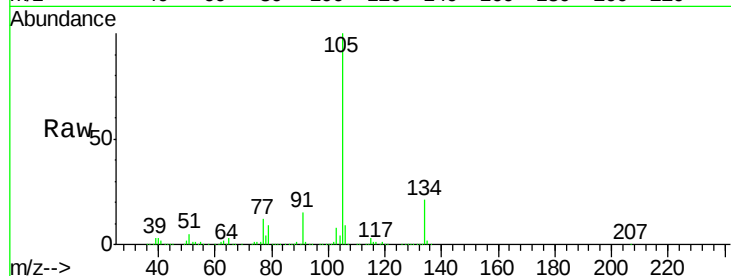
VSTDCCC050

Tot Ion:105 Resp: 3448186

Ion Ratio Lower Upper

105 100

134 21.2 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

2500000

2000000

1500000

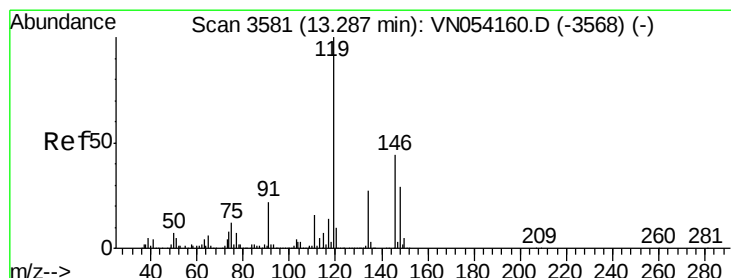
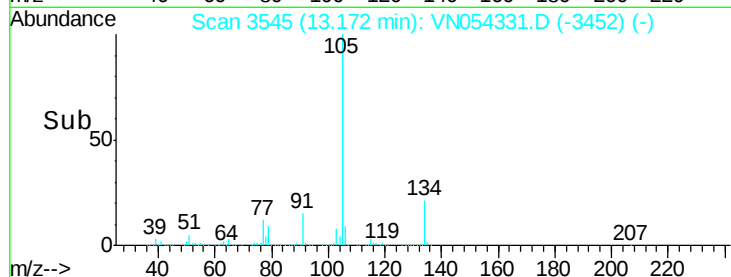
1000000

500000

0

13.10 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 48.346 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

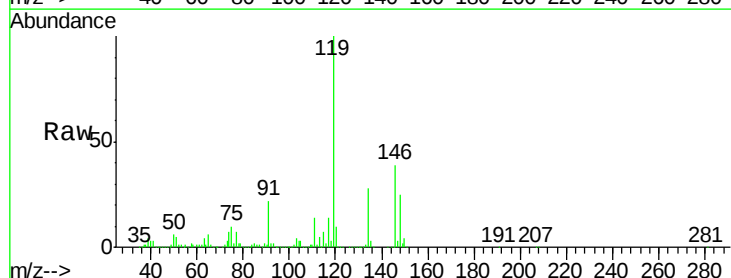
Tgt Ion:119 Resp: 3061586

Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.8

91 21.9 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

2500000

2000000

1500000

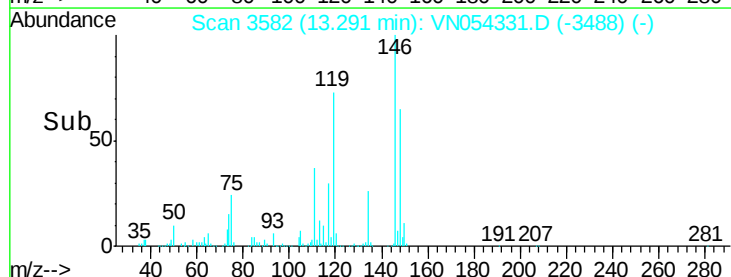
1000000

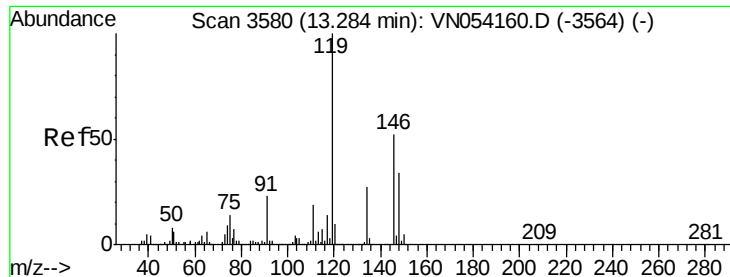
500000

0

13.20 13.25 13.30 13.35

Time-->

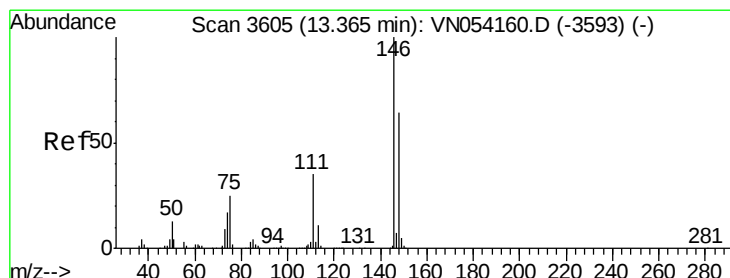
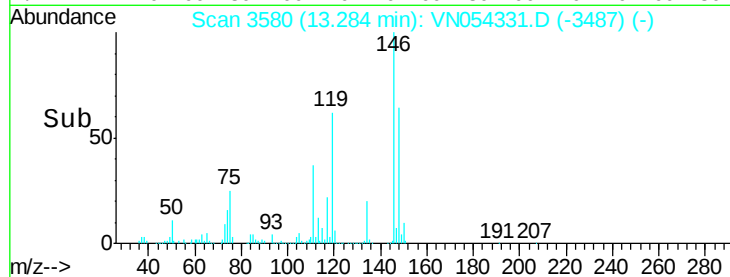
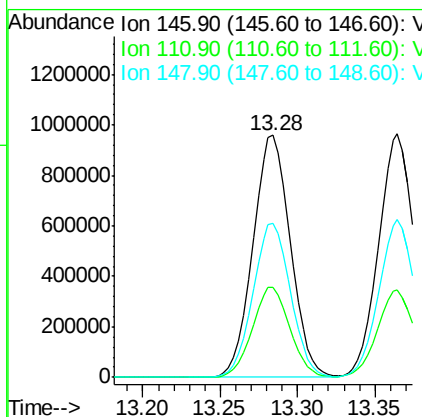
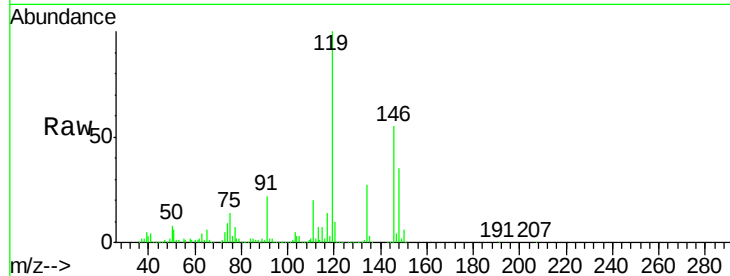




#87  
 1,3-Dichlorobenzene  
 Concen: 49.952 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN054331.D  
 Acq: 16 Mar 2019 11:59

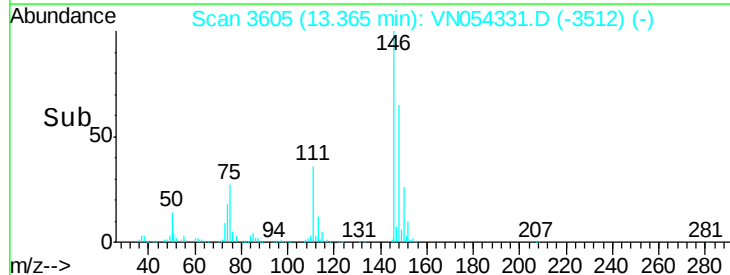
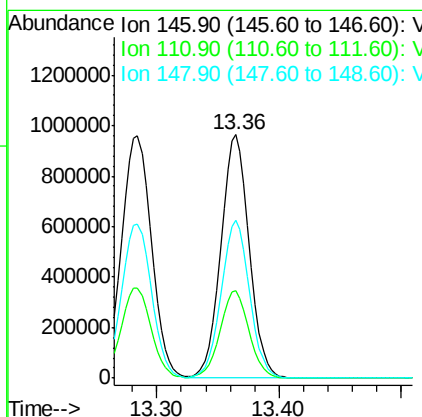
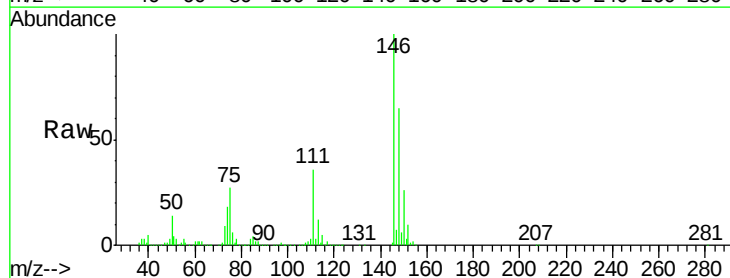
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

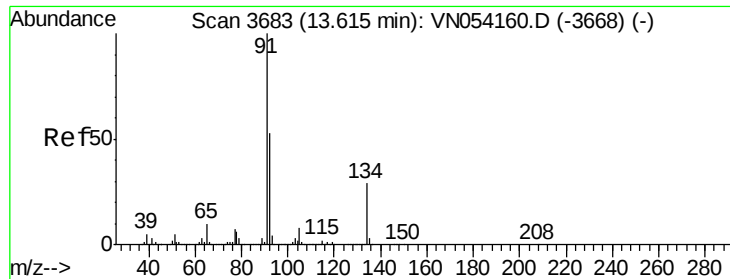
Tot Ion:146 Resp: 1619215  
 Ion Ratio Lower Upper  
 146 100  
 111 37.3 18.8 56.3  
 148 63.8 32.2 96.6



#88  
 1,4-Dichlorobenzene  
 Concen: 49.282 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN054331.D  
 Acq: 16 Mar 2019 11:59

Tgt Ion:146 Resp: 1569326  
 Ion Ratio Lower Upper  
 146 100  
 111 36.6 18.1 54.1  
 148 64.9 32.0 96.0





#89

n-Butylbenzene

Concen: 50.888 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

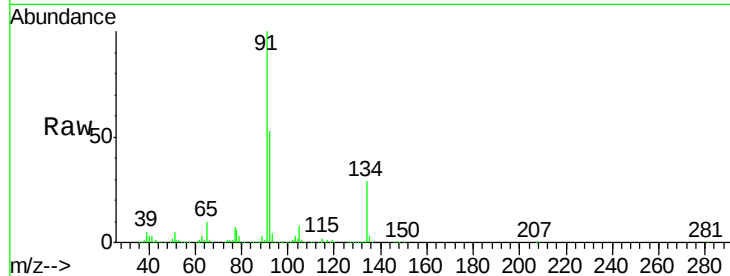
Tot Ion: 91 Resp: 2448506

Ion Ratio Lower Upper

91 100

92 52.9 26.2 78.6

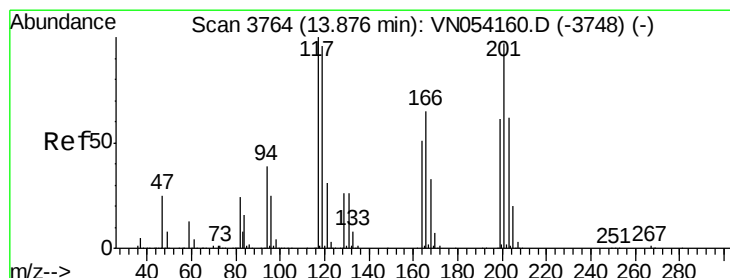
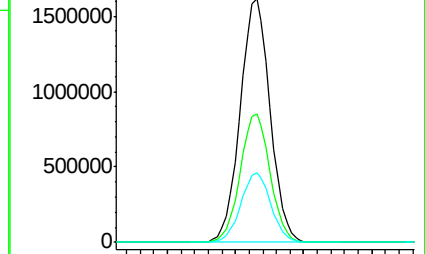
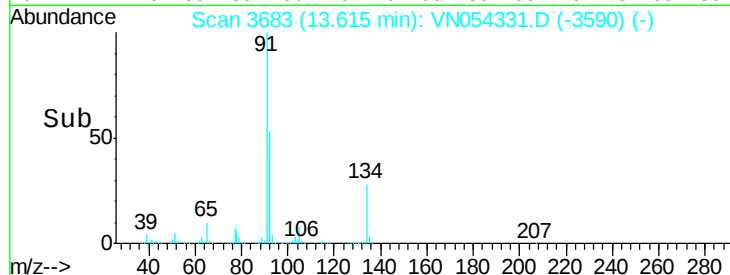
134 28.7 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN054160.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054160.D (-3668) (-)



#90

Hexachloroethane

Concen: 44.911 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054331.D

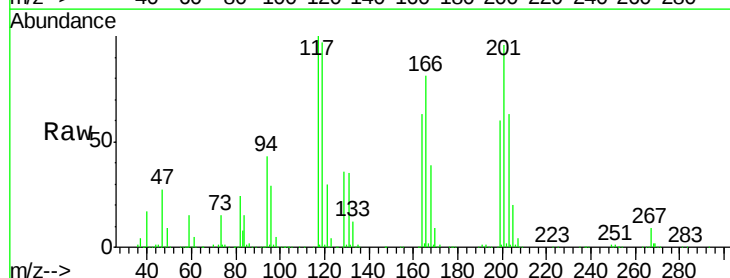
Acq: 16 Mar 2019 11:59

Tgt Ion: 117 Resp: 470930

Ion Ratio Lower Upper

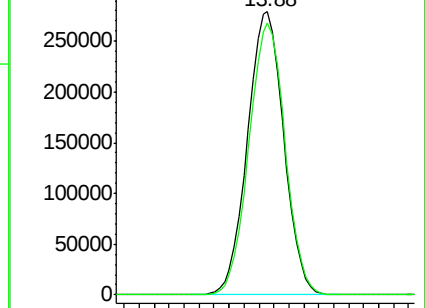
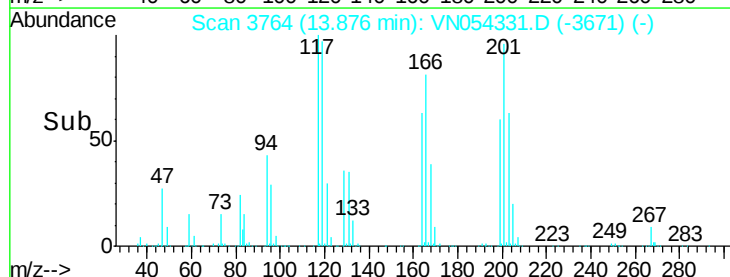
117 100

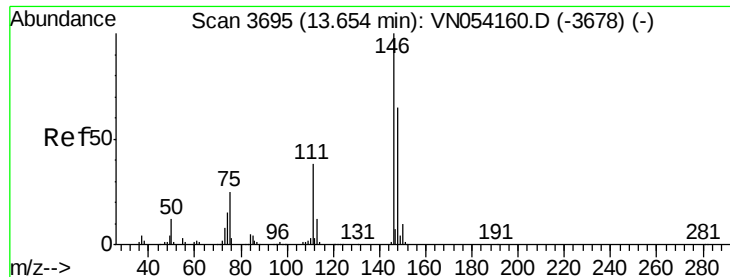
201 95.5 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054160.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN054160.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 50.061 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

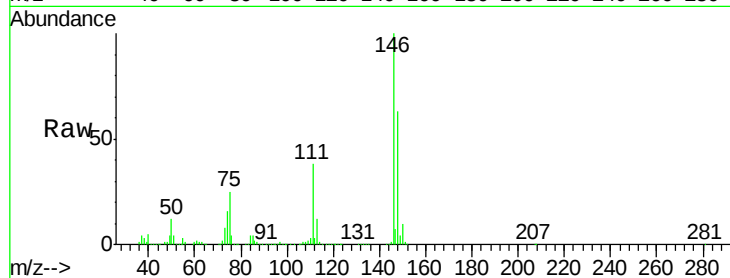
Tot Ion:146 Resp: 1586397

Ion Ratio Lower Upper

146 100

111 38.4 19.1 57.3

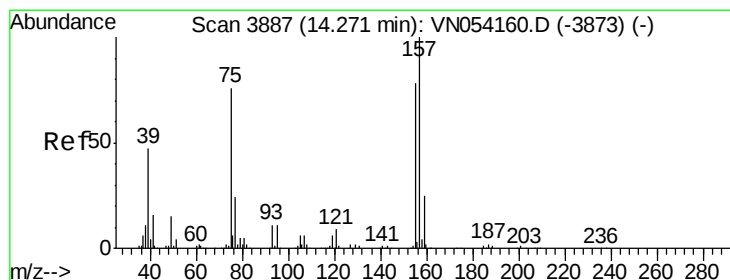
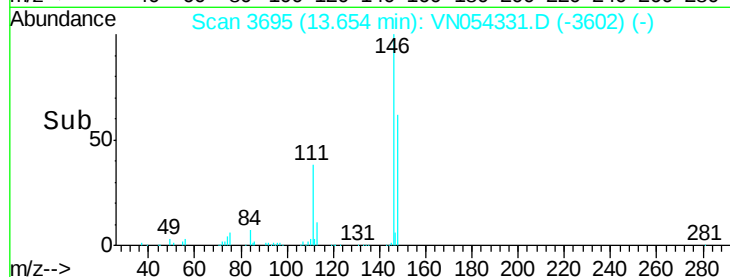
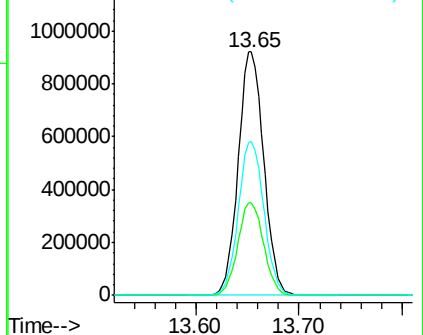
148 63.5 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.223 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

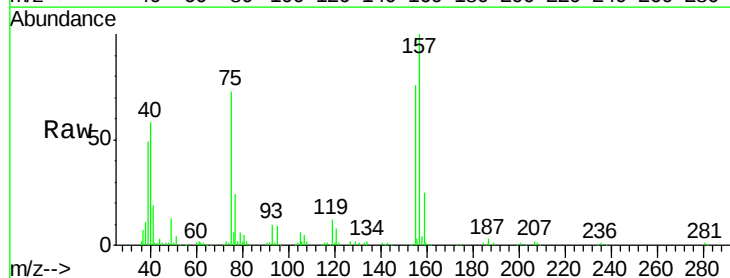
Tgt Ion: 75 Resp: 113185

Ion Ratio Lower Upper

75 100

155 102.6 50.1 150.3

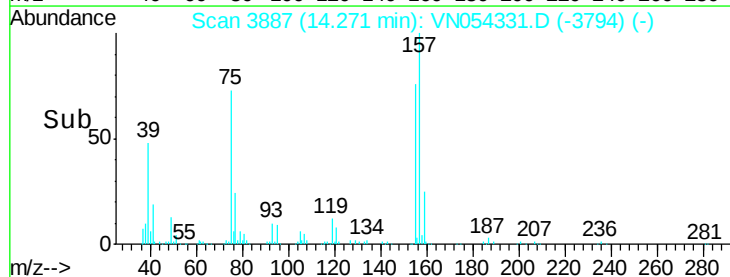
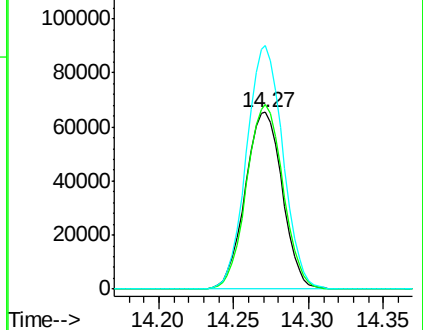
157 134.9 63.1 189.3

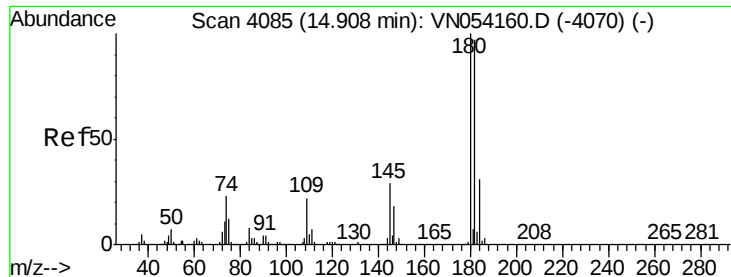


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 45.882 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

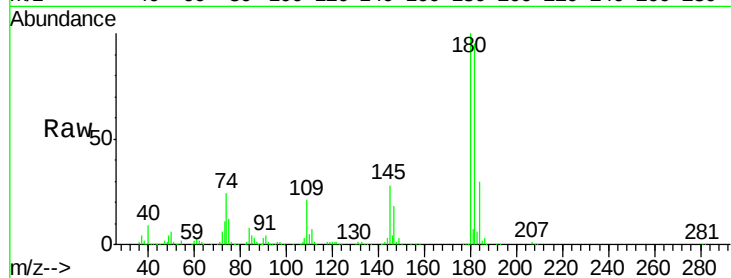
Tot Ion:180 Resp: 873620

Ion Ratio Lower Upper

180 100

182 96.7 48.0 144.2

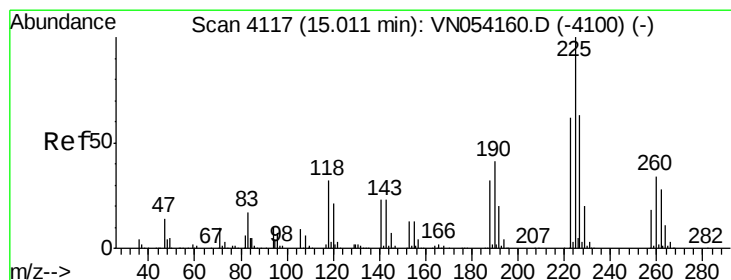
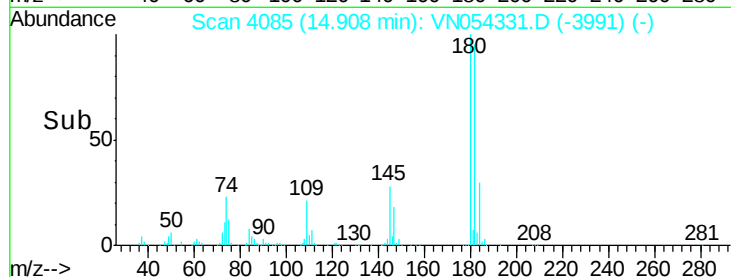
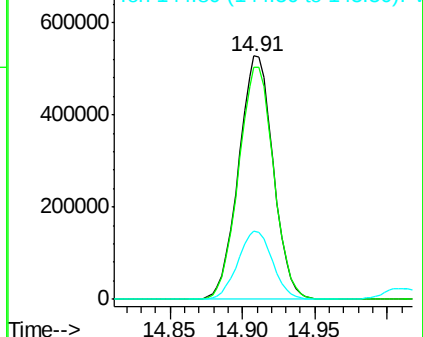
145 28.2 14.2 42.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 45.725 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

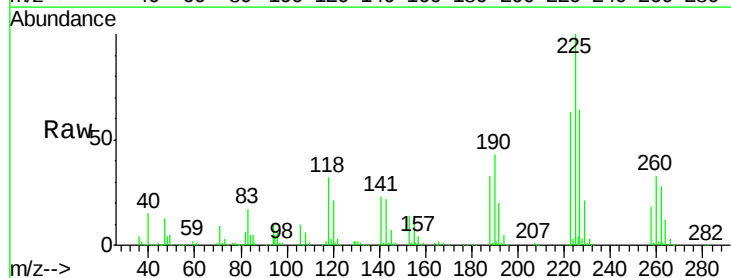
Tgt Ion:225 Resp: 551919

Ion Ratio Lower Upper

225 100

223 62.8 31.1 93.5

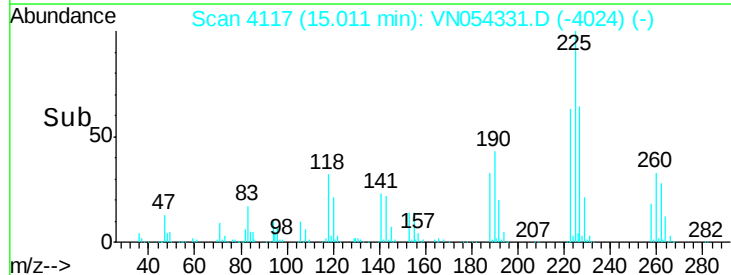
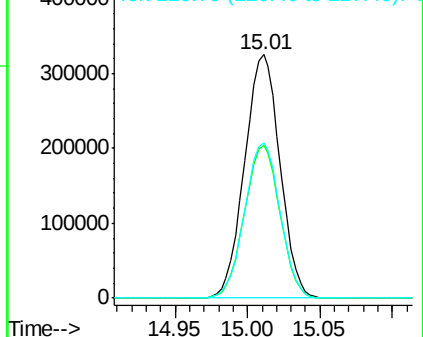
227 63.9 31.9 95.9

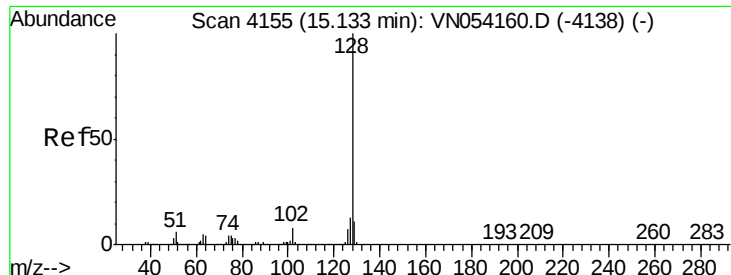


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 45.865 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

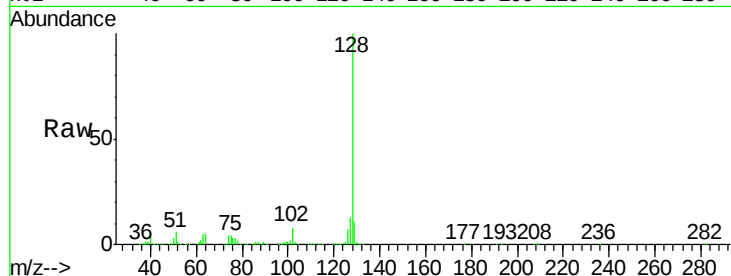
Tot Ion:128 Resp: 1815645

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

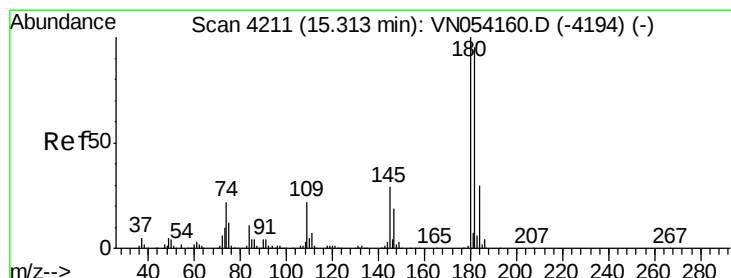
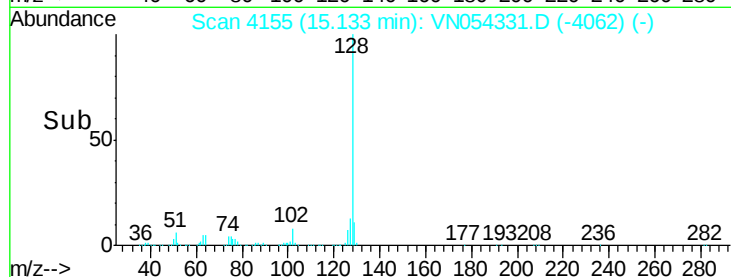
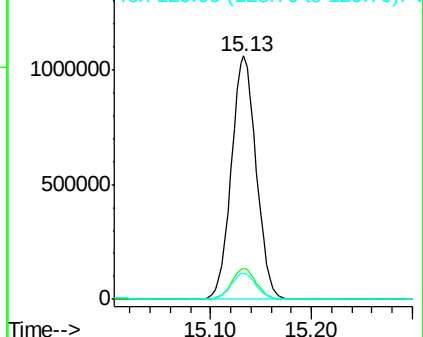
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.998 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054331.D

Acq: 16 Mar 2019 11:59

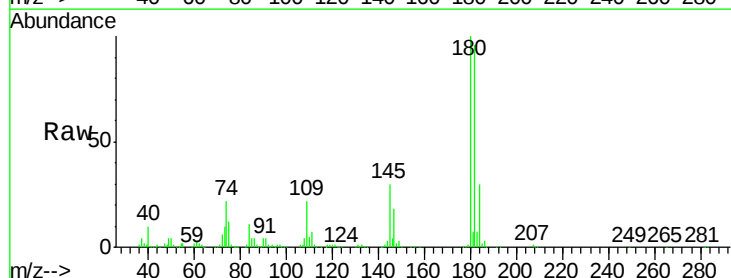
Tgt Ion:180 Resp: 858662

Ion Ratio Lower Upper

180 100

182 95.9 47.5 142.6

145 30.0 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

