

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN072518\  
 Data File : VN050040.D  
 Acq On : 25 Jul 2018 10:11  
 Operator : MD\SY  
 Sample : VSTDICC150  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC150

Quant Time: Jul 26 05:39:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\624N072518W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Jul 26 05:33:47 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.20  | 128  | 143496   | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.59  | 114  | 753310   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 694905   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 8.03   | 65    | 285342   | 29.25    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 97.50%  |
| 60) 4-Bromofluorobenzene  | 12.40  | 95    | 336450   | 31.51    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 105.03% |
| 63) Toluene-d8            | 10.09  | 98    | 959006   | 28.89    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 96.30%  |

## Target Compounds

|                               |      |     |         |              | Qvalue |
|-------------------------------|------|-----|---------|--------------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 1492805 | 150.961 ug/l | 97     |
| 3) Chloromethane              | 2.05 | 50  | 1510350 | 148.141 ug/l | 100    |
| 4) Vinyl Chloride             | 2.18 | 62  | 1582793 | 145.818 ug/l | 97     |
| 5) Bromomethane               | 2.54 | 94  | 924365  | 139.698 ug/l | 100    |
| 6) Chloroethane               | 2.69 | 64  | 905070  | 140.987 ug/l | 99     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 2006746 | 141.482 ug/l | 100    |
| 8) Diethyl Ether              | 3.41 | 74  | 723248  | 152.014 ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101 | 1210909 | 140.337 ug/l | 99     |
| 10) 1,1-Dichloroethene        | 3.73 | 96  | 1145747 | 149.758 ug/l | 95     |
| 11) Methyl Iodide             | 3.95 | 142 | 1806715 | 160.492 ug/l | 99     |
| 12) Methyl Acetate            | 4.33 | 43  | 1338990 | 152.784 ug/l | 99     |
| 13) Acrolein                  | 3.61 | 56  | 384993  | 710.812 ug/l | 99     |
| 14) Acrylonitrile             | 4.99 | 53  | 2329844 | 796.690 ug/l | 99     |
| 15) Acetone                   | 3.82 | 58  | 558433  | 718.522 ug/l | 99     |
| 16) Carbon Disulfide          | 4.05 | 76  | 3449264 | 147.320 ug/l | 100    |
| 17) Allyl chloride            | 4.32 | 41  | 1904819 | 157.652 ug/l | 98     |
| 18) Methylene Chloride        | 4.55 | 84  | 1268988 | 143.739 ug/l | 98     |
| 19) trans-1,2-Dichloroethene  | 5.04 | 96  | 1218412 | 148.751 ug/l | 99     |
| 20) Diisopropyl ether         | 5.96 | 45  | 3852159 | 155.490 ug/l | 97     |
| 21) 1,1-Dichloroethane        | 5.85 | 63  | 2253465 | 144.659 ug/l | 99     |
| 22) cis-1,2-Dichloroethene    | 6.83 | 96  | 1392741 | 153.325 ug/l | 99     |
| 23) tert-Butyl Alcohol        | 4.80 | 59  | 542399  | 829.645 ug/l | # 100  |
| 24) Methyl tert-Butyl Ether   | 5.05 | 73  | 3311705 | 158.722 ug/l | 100    |
| 25) Chloroform                | 7.37 | 83  | 2252684 | 142.850 ug/l | 100    |
| 26) Cyclohexane               | 7.65 | 56  | 1983124 | 160.202 ug/l | # 100  |
| 29) 1,1-Dichloropropene       | 7.80 | 75  | 1779330 | 152.199 ug/l | 99     |
| 30) 2-Butanone                | 6.84 | 43  | 2825462 | 770.186 ug/l | 99     |
| 31) 2,2-Dichloropropane       | 6.83 | 77  | 1846130 | 142.860 ug/l | 100    |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 1978830 | 143.804 ug/l | 99     |
| 33) Carbon Tetrachloride      | 7.78 | 117 | 1766136 | 143.982 ug/l | 99     |
| 34) Benzene                   | 8.04 | 78  | 5214686 | 146.874 ug/l | # 91   |
| 35) Methacrylonitrile         | 7.18 | 41  | 652820  | 156.290 ug/l | 95     |
| 36) 1,2-Dichloroethane        | 8.13 | 62  | 1648699 | 141.428 ug/l | 99     |
| 37) Trichloroethene           | 8.84 | 130 | 1364906 | 146.577 ug/l | 99     |
| 38) Methylcyclohexane         | 9.08 | 83  | 1972846 | 160.073 ug/l | 97     |
| 39) 1,2-Dichloropropane       | 9.12 | 63  | 1367462 | 146.206 ug/l | 98     |
| 40) Dibromomethane            | 9.21 | 93  | 842264  | 145.706 ug/l | 99     |

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 VSTDICC150

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\624N072518W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Jul 26 05:33:47 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units | Dev(Min) |
|--------------------------------|-------|------|----------|----------|-------|----------|
| 41) Bromodichloromethane       | 9.41  | 83   | 1784882  | 146.380  | ug/l  | 98       |
| 42) Vinyl Acetate              | 5.90  | 43   | 13867828 | 803.314  | ug/l  | 100      |
| 43) Ethyl Acetate              | 6.93  | 43   | 1199313  | 156.557  | ug/l  | 97       |
| 44) Isopropyl Acetate          | 8.17  | 43   | 2185096  | 153.980  | ug/l  | 100      |
| 45) 1,4-Dioxane                | 9.20  | 88   | 300547   | 3218.481 | ug/l  | 97       |
| 46) Methyl methacrylate        | 9.20  | 41   | 1122958  | 163.236  | ug/l  | 100      |
| 47) n-amyl Acetate             | 12.07 | 43   | 1953901  | 176.947  | ug/l  | 98       |
| 48) t-1,3-Dichloropropene      | 10.38 | 75   | 1940344  | 160.505  | ug/l  | 98       |
| 49) cis-1,3-Dichloropropene    | 9.84  | 75   | 2147584  | 157.258  | ug/l  | 99       |
| 50) 1,1,2-Trichloroethane      | 10.57 | 97   | 1214079  | 146.319  | ug/l  | 98       |
| 51) Ethyl methacrylate         | 10.43 | 69   | 1701445  | 168.942  | ug/l  | 99       |
| 52) 1,3-Dichloropropane        | 10.71 | 76   | 2038657  | 149.621  | ug/l  | 99       |
| 53) Dibromochloromethane       | 10.90 | 129  | 1430340  | 151.896  | ug/l  | 100      |
| 54) 1,2-Dibromoethane          | 11.01 | 107  | 1249344  | 153.739  | ug/l  | 100      |
| 55) 2-Chloroethyl vinyl ether  | 9.70  | 63   | 3868045  | 848.625  | ug/l  | 100      |
| 56) Bromoform                  | 12.13 | 173  | 1052139  | 158.236  | ug/l  | 100      |
| 58) 4-Methyl-2-Pentanone       | 9.99  | 43   | 6238521  | 771.531  | ug/l  | 98       |
| 59) 2-Hexanone                 | 10.76 | 43   | 4352024  | 788.931  | ug/l  | 98       |
| 61) Tetrachloroethene          | 10.63 | 164  | 1278538  | 135.834  | ug/l  | 97       |
| 62) Toluene                    | 10.16 | 91   | 5715814  | 144.167  | ug/l  | 100      |
| 64) Chlorobenzene              | 11.44 | 112  | 3575184  | 148.707  | ug/l  | 99       |
| 65) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 1344903  | 143.419  | ug/l  | 99       |
| 66) Ethyl Benzene              | 11.51 | 91   | 6378497  | 157.429  | ug/l  | 99       |
| 67) m/p-Xylenes                | 11.62 | 106  | 4820489  | 309.155  | ug/l  | 100      |
| 68) o-Xylene                   | 11.95 | 106  | 2337200  | 157.543  | ug/l  | 100      |
| 69) Styrene                    | 11.97 | 104  | 3830812  | 161.077  | ug/l  | 100      |
| 70) Isopropylbenzene           | 12.25 | 105  | 6203997  | 157.021  | ug/l  | 99       |
| 71) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 1601593  | 147.641  | ug/l  | 99       |
| 72) 1,2,3-Trichloropropane     | 12.56 | 75   | 2057292  | 236.181  | ug/l  | 49       |
| 73) Bromobenzene               | 12.53 | 156  | 1613502  | 153.301  | ug/l  | 98       |
| 74) n-propylbenzene            | 12.59 | 91   | 7208248  | 156.646  | ug/l  | 100      |
| 75) 2-Chlorotoluene            | 12.68 | 91   | 4227205  | 152.945  | ug/l  | 99       |
| 76) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 5061778  | 155.979  | ug/l  | 100      |
| 77) t-1,4-Dichloro-2-butene    | 12.30 | 75   | 517614   | 170.876  | ug/l  | 96       |
| 78) 4-Chlorotoluene            | 12.78 | 91   | 4325231  | 157.921  | ug/l  | 100      |
| 79) tert-butylbenzene          | 13.00 | 119  | 4384263  | 158.022  | ug/l  | 99       |
| 80) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 5184208  | 157.675  | ug/l  | 100      |
| 81) sec-Butylbenzene           | 13.17 | 105  | 5910115  | 156.809  | ug/l  | 100      |
| 82) p-Isopropyltoluene         | 13.29 | 119  | 5213230  | 162.110  | ug/l  | 99       |
| 83) 1,3-Dichlorobenzene        | 13.28 | 146  | 2870179  | 156.611  | ug/l  | 100      |
| 84) 1,4-Dichlorobenzene        | 13.36 | 146  | 2798821  | 161.606  | ug/l  | 99       |
| 85) n-Butylbenzene             | 13.62 | 91   | 4459660  | 170.877  | ug/l  | 99       |
| 86) Hexachloroethane           | 13.88 | 117  | 968050   | 150.637  | ug/l  | 98       |
| 87) 1,2-Dichlorobenzene        | 13.65 | 146  | 2747226  | 153.358  | ug/l  | 99       |
| 88) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 268903   | 159.122  | ug/l  | 99       |
| 89) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 1620996  | 189.449  | ug/l  | 100      |
| 90) Hexachlorobutadiene        | 15.01 | 225  | 830295   | 147.179  | ug/l  | 98       |
| 91) Naphthalene                | 15.14 | 128  | 3895073  | 152.889  | ug/l  | 99       |
| 92) 1,2,3-Trichlorobenzene     | 15.32 | 180  | 1572253  | 180.680  | ug/l  | 99       |

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Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC150

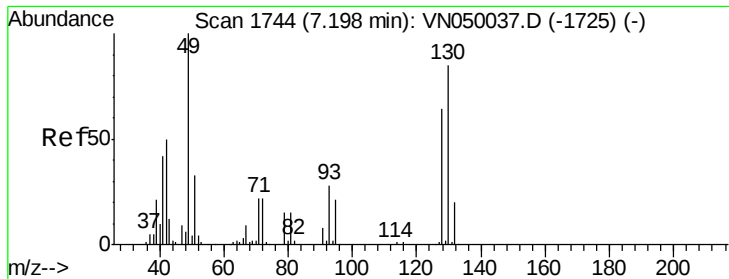
Quant Time: Jul 26 05:39:55 2018  
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QLast Update : Thu Jul 26 05:33:47 2018  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC150

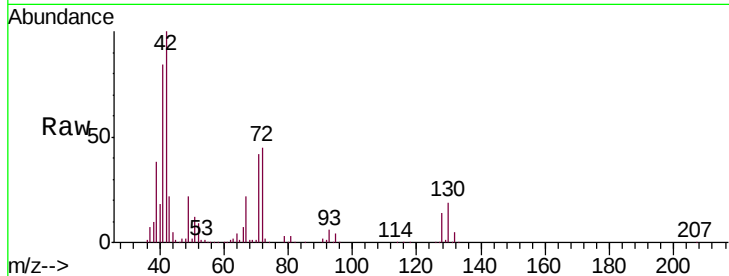
Tgt Ion:128 Resp: 143496

Ion Ratio Lower Upper

128 100

49 161.1 0.0 378.3

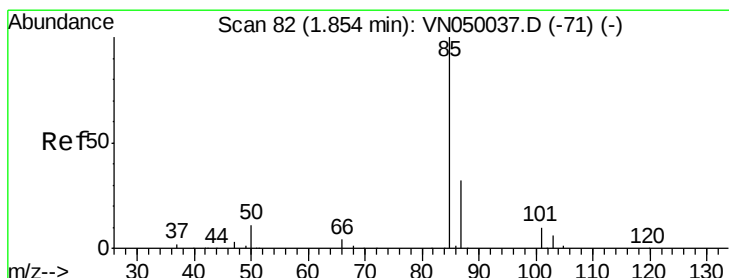
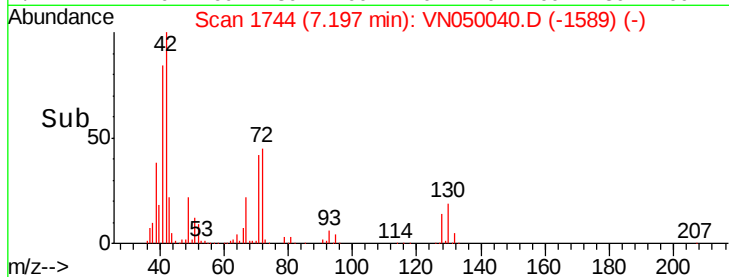
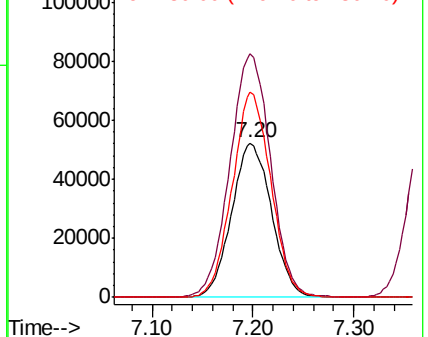
130 129.1 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 150.961 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050040.D

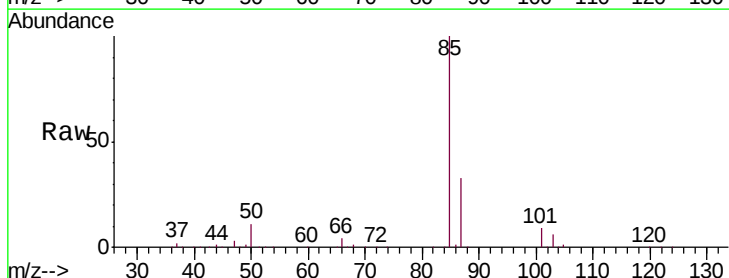
Acq: 25 Jul 2018 10:11

Tgt Ion: 85 Resp: 1492805

Ion Ratio Lower Upper

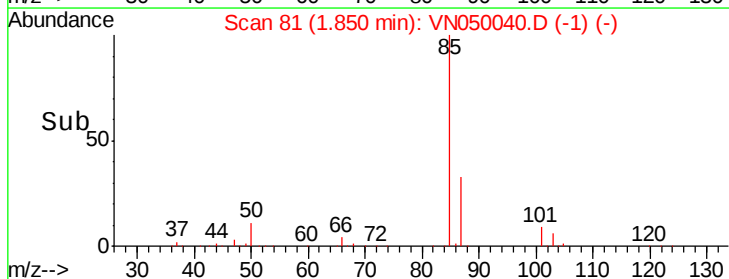
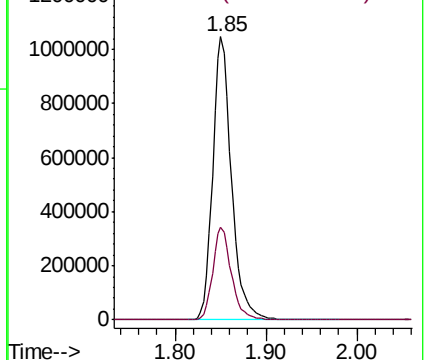
85 100

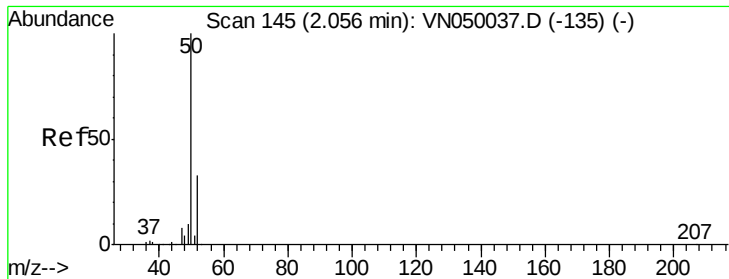
87 32.8 15.4 46.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 148.141 ug/l

RT: 2.05 min Scan# 144

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA\_N

ClientSampleId :

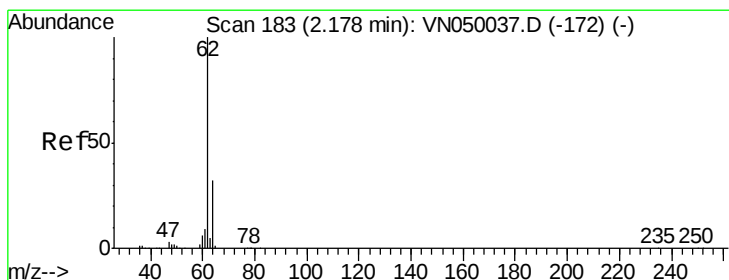
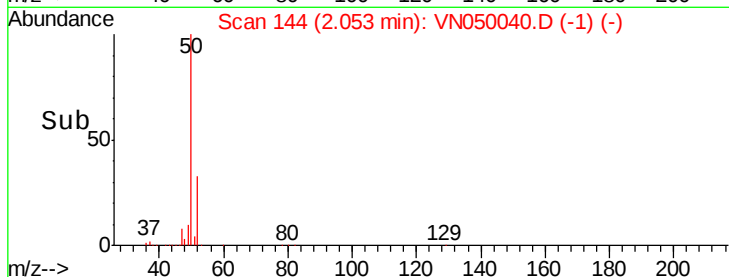
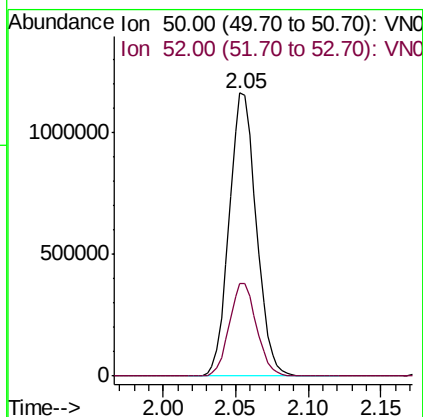
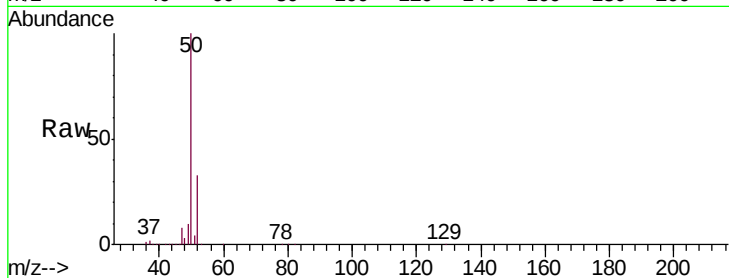
VSTDIC150

Tgt Ion: 50 Resp: 1510350

Ion Ratio Lower Upper

50 100

52 32.9 26.1 39.1



#4

Vinyl Chloride

Concen: 145.818 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN050040.D

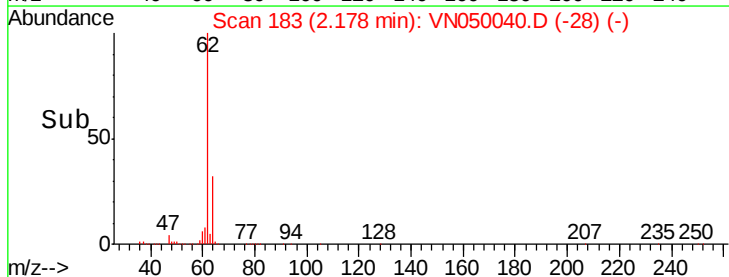
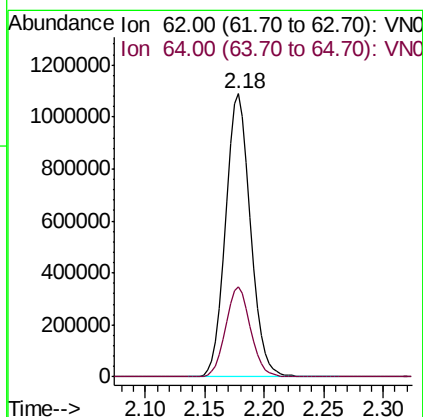
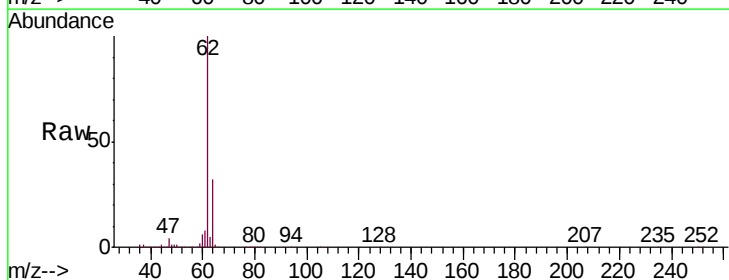
Acq: 25 Jul 2018 10:11

Tgt Ion: 62 Resp: 1582793

Ion Ratio Lower Upper

62 100

64 31.9 24.4 36.6





#5

Bromomethane

Concen: 139.698 ug/l

RT: 2.54 min Scan# 295

Delta R.T. -0.03 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA\_N

ClientSampled :

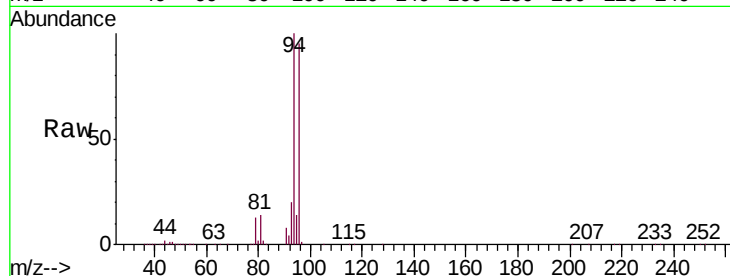
VSTDIC150

Tgt Ion: 94 Resp: 924365

Ion Ratio Lower Upper

94 100

96 94.6 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VN050037.D (-287) (-)

Ion 96.00 (95.70 to 96.70): VN050037.D (-287) (-)

2.54

500000

400000

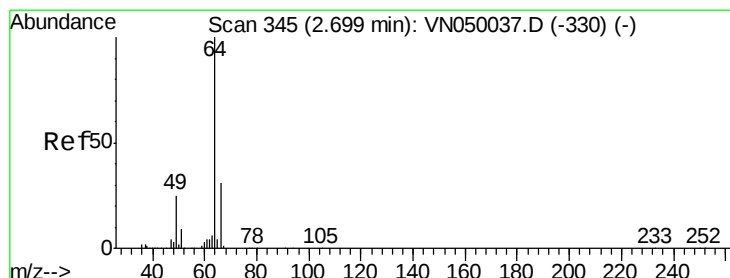
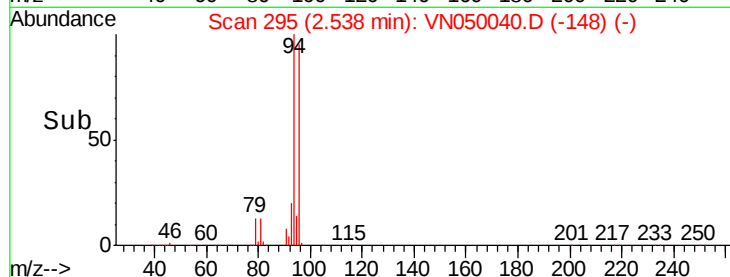
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: 140.987 ug/l

RT: 2.69 min Scan# 341

Delta R.T. -0.01 min

Lab File: VN050040.D

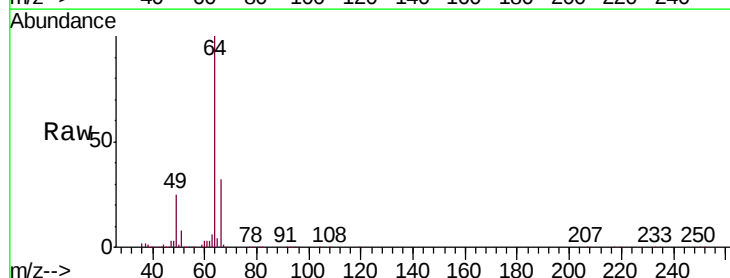
Acq: 25 Jul 2018 10:11

Tgt Ion: 64 Resp: 905070

Ion Ratio Lower Upper

64 100

66 31.8 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN050037.D (-330) (-)

Ion 66.00 (65.70 to 66.70): VN050037.D (-330) (-)

2.69

500000

400000

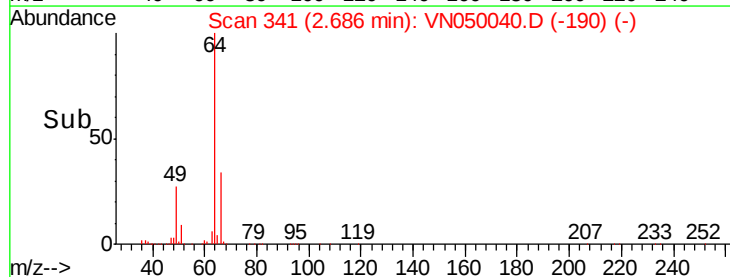
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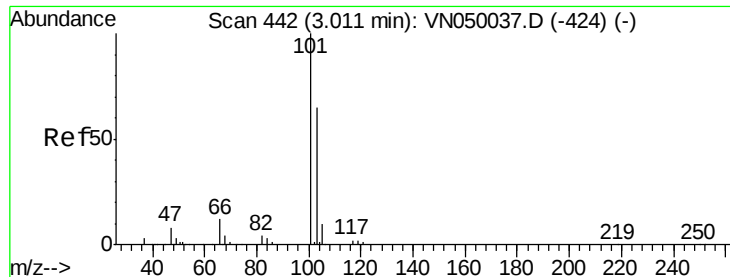
200000

100000

0

Time-->



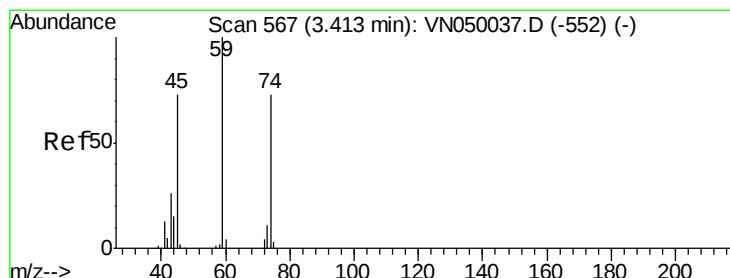
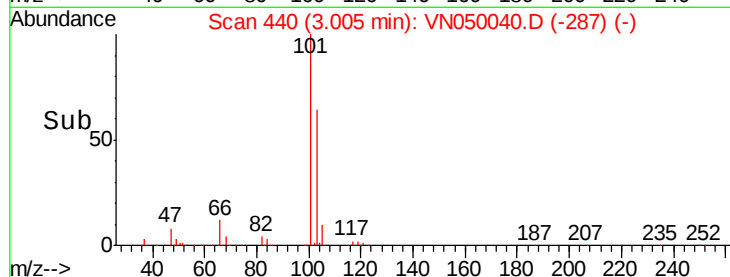
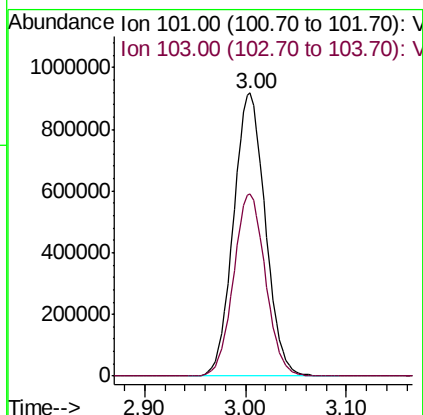
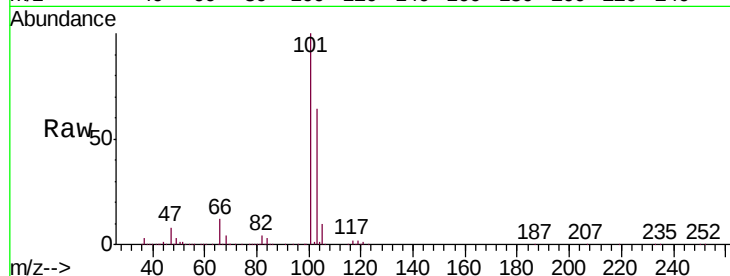


#7

Trichlorofluoromethane  
 Concen: 141.482 ug/l  
 RT: 3.00 min Scan# 440  
 Delta R.T. -0.01 min  
 Lab File: VN050040.D  
 Acq: 25 Jul 2018 10:11

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDIC150

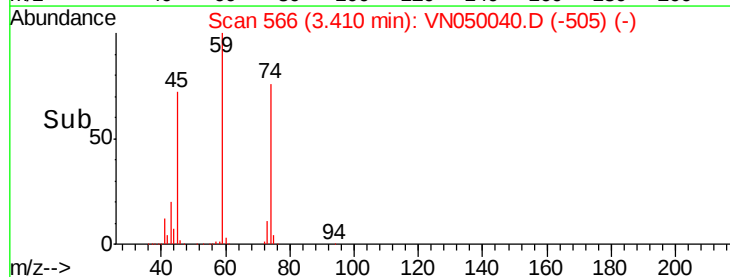
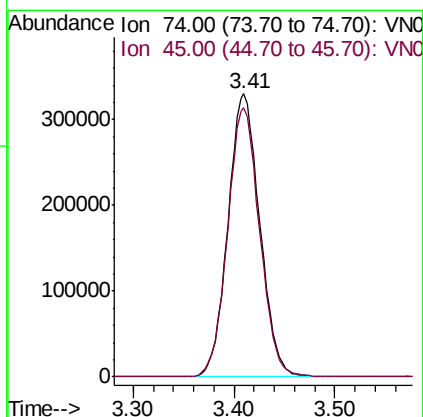
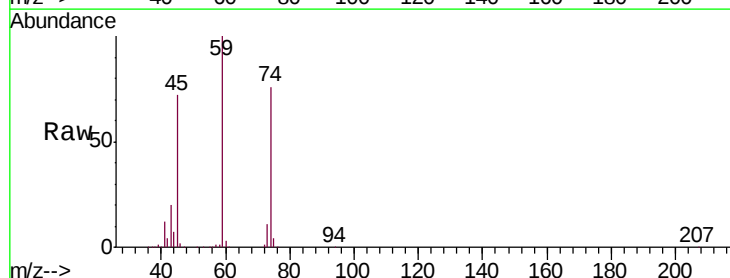
Tgt Ion:101 Resp: 2006746  
 Ion Ratio Lower Upper  
 101 100  
 103 64.4 51.5 77.3

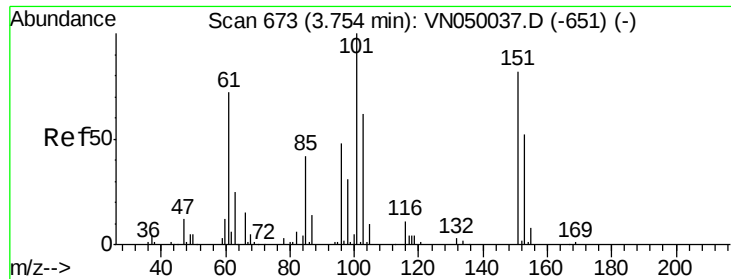


#8

Diethyl Ether  
 Concen: 152.014 ug/l  
 RT: 3.41 min Scan# 566  
 Delta R.T. -0.00 min  
 Lab File: VN050040.D  
 Acq: 25 Jul 2018 10:11

Tgt Ion: 74 Resp: 723248  
 Ion Ratio Lower Upper  
 74 100  
 45 95.5 18.7 167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 140.337 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC150

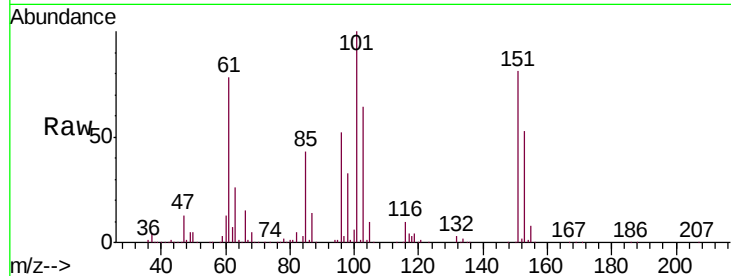
Tgt Ion:101 Resp: 1210909

Ion Ratio Lower Upper

101 100

85 42.4 0.0 83.0

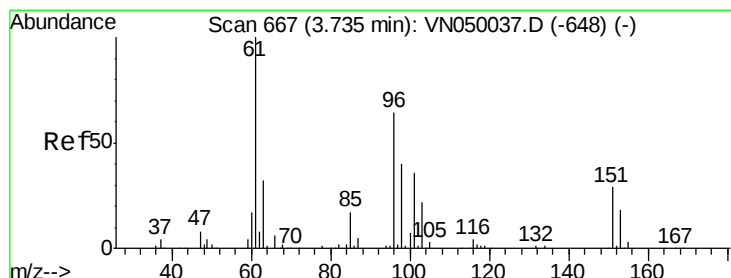
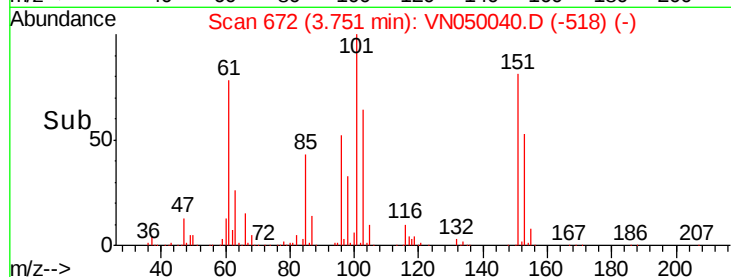
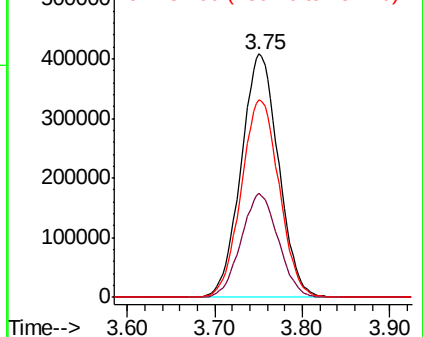
151 82.4 0.0 166.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 149.758 ug/l

RT: 3.73 min Scan# 666

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

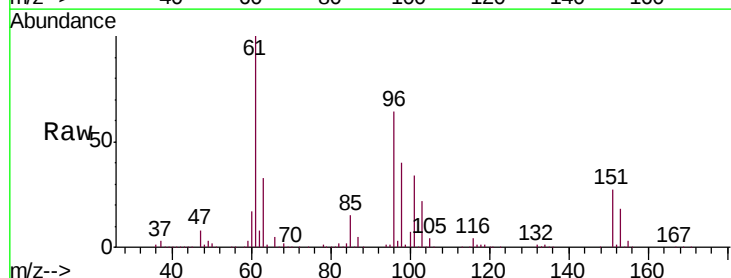
Tgt Ion: 96 Resp: 1145747

Ion Ratio Lower Upper

96 100

61 157.3 130.6 195.8

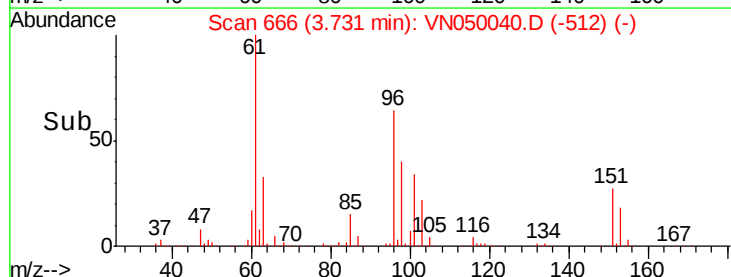
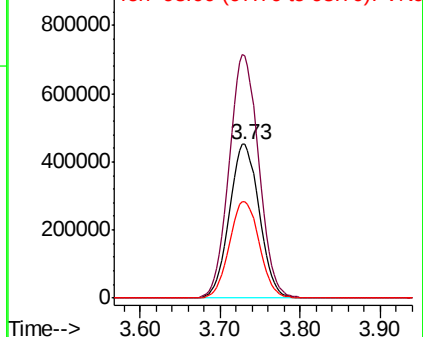
98 63.0 53.5 80.3

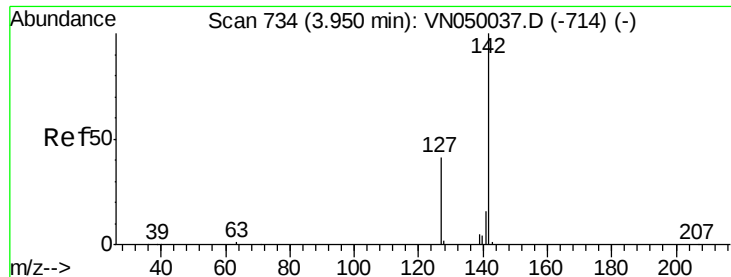


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

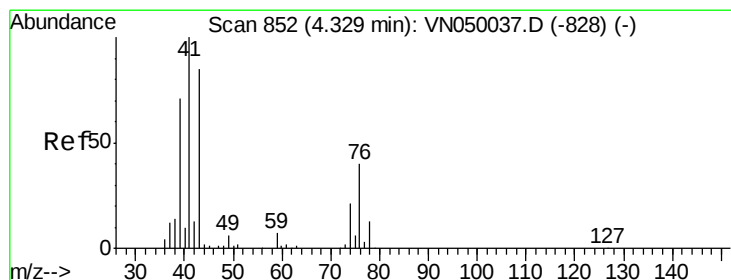
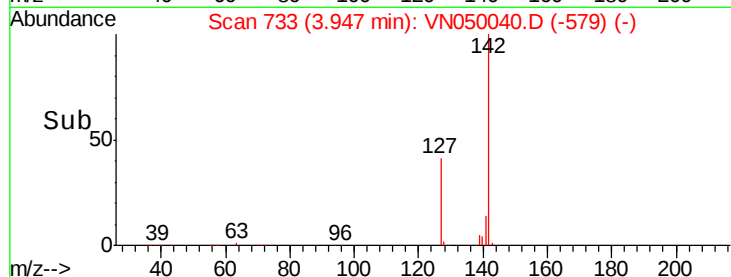
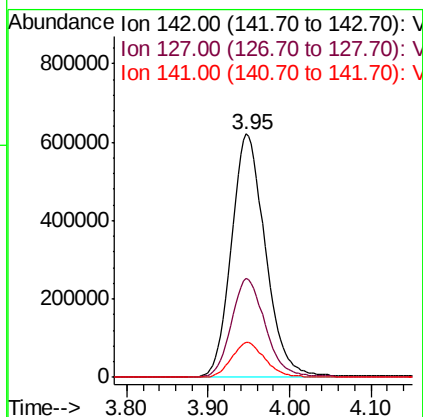
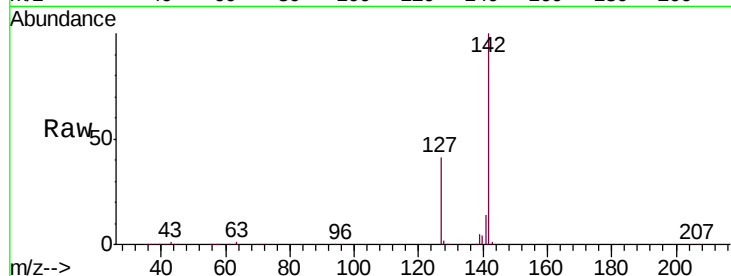




#11  
Methyl Iodide  
Concen: 160.492 ug/l  
RT: 3.95 min Scan# 733  
Delta R.T. -0.00 min  
Lab File: VN050040.D  
Acq: 25 Jul 2018 10:11

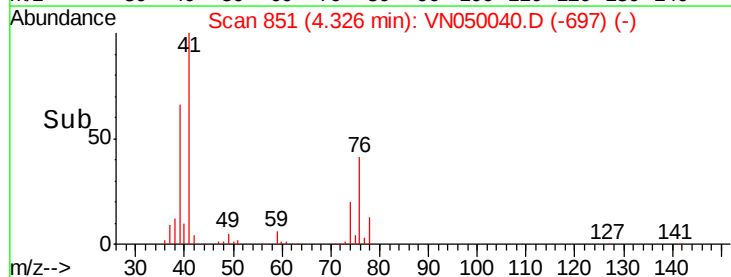
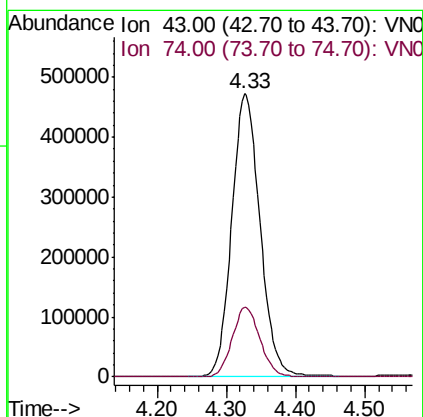
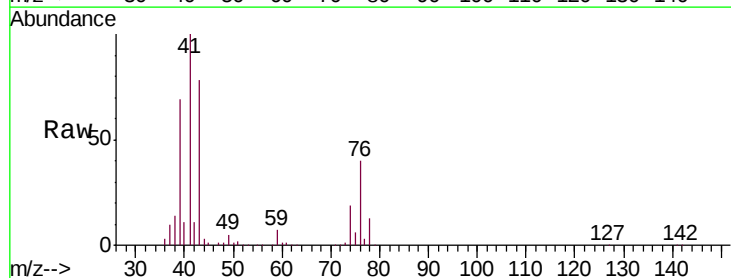
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

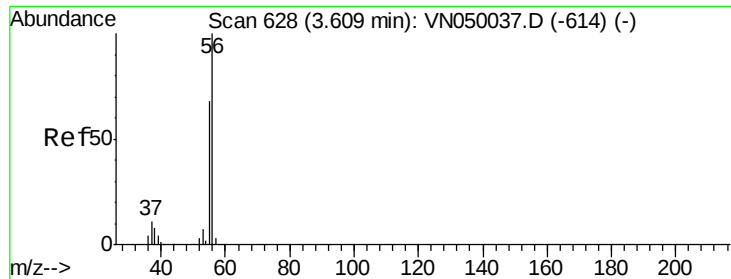
Tgt Ion:142 Resp: 1806715  
Ion Ratio Lower Upper  
142 100  
127 40.5 20.2 60.5  
141 14.2 6.9 20.6



#12  
Methyl Acetate  
Concen: 152.784 ug/l  
RT: 4.33 min Scan# 851  
Delta R.T. -0.00 min  
Lab File: VN050040.D  
Acq: 25 Jul 2018 10:11

Tgt Ion: 43 Resp: 1338990  
Ion Ratio Lower Upper  
43 100  
74 24.6 19.3 28.9





#13

Acrolein

Concen: 710.812 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA\_N

ClientSampleId :

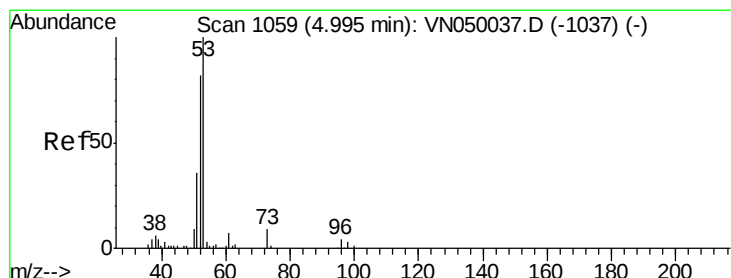
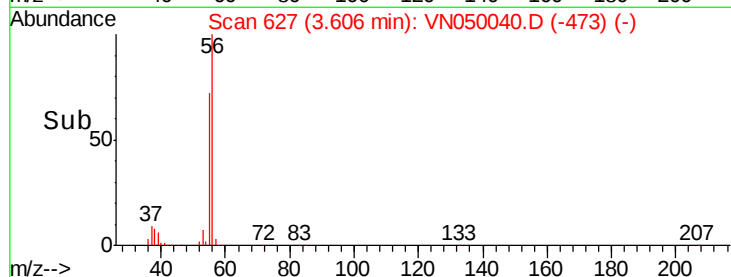
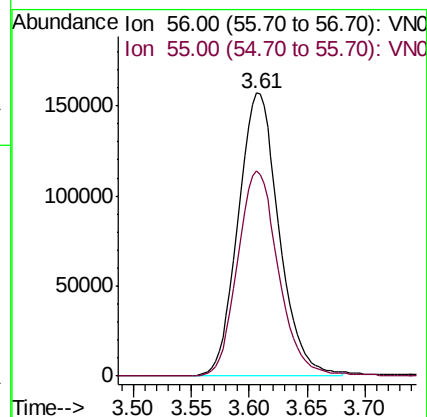
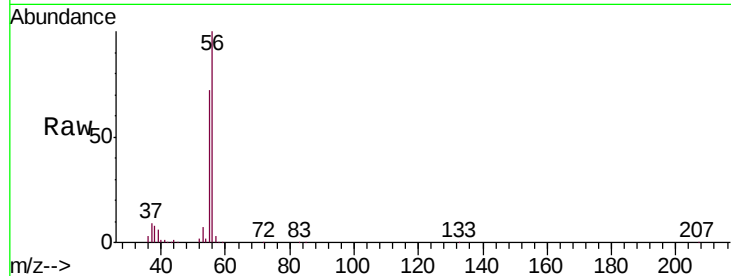
VSTDIC150

Tgt Ion: 56 Resp: 384993

Ion Ratio Lower Upper

56 100

55 72.7 58.6 88.0



#14

Acrylonitrile

Concen: 796.690 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

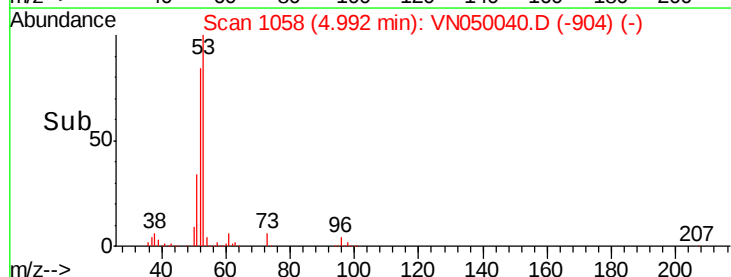
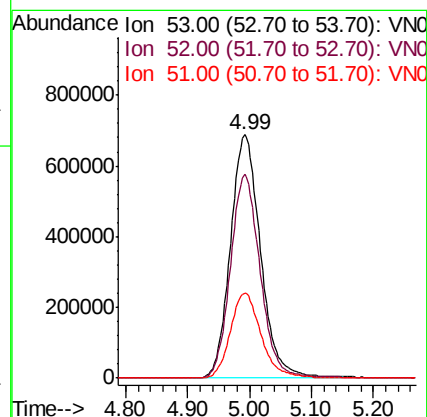
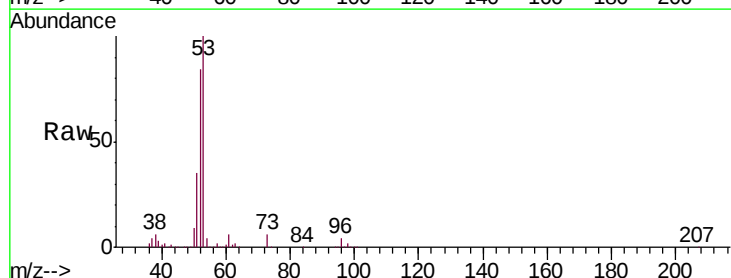
Tgt Ion: 53 Resp: 2329844

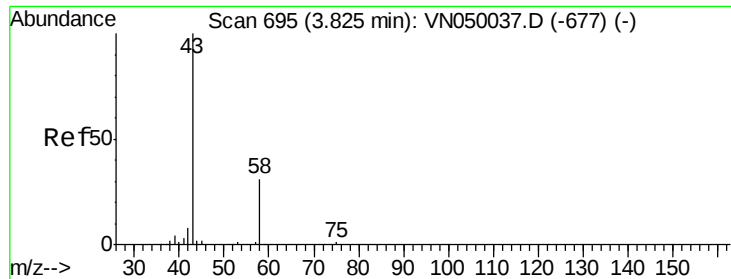
Ion Ratio Lower Upper

53 100

52 82.2 41.5 124.5

51 35.8 18.7 56.1





#15

Acetone

Concen: 718.522 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA\_N

ClientSampleId :

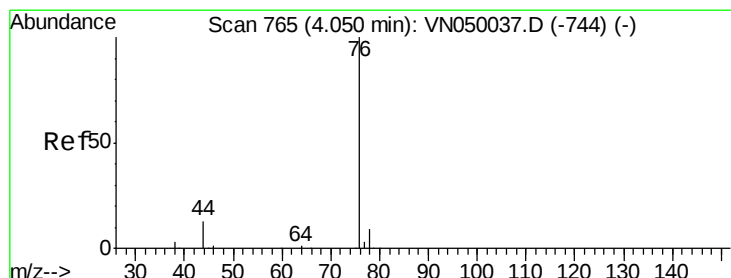
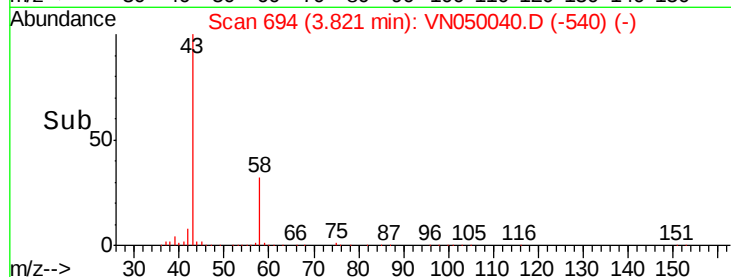
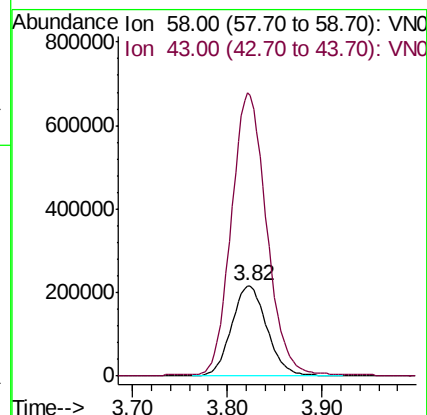
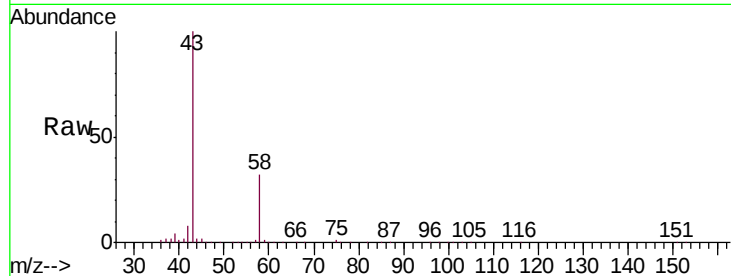
VSTDIC150

Tgt Ion: 58 Resp: 558433

Ion Ratio Lower Upper

58 100

43 313.8 252.0 378.0



#16

Carbon Disulfide

Concen: 147.320 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN050040.D

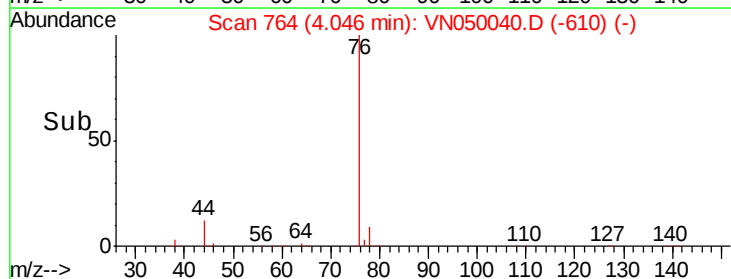
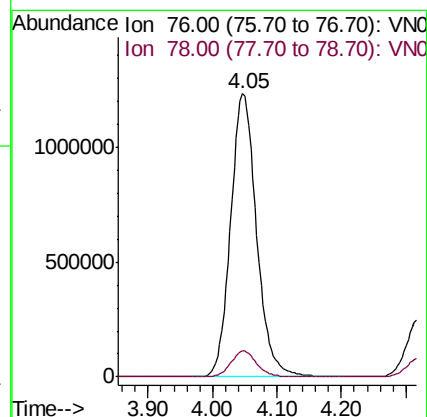
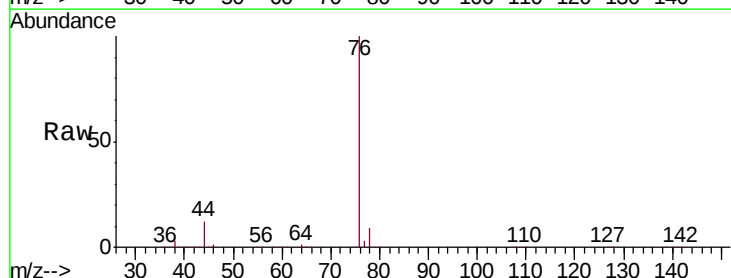
Acq: 25 Jul 2018 10:11

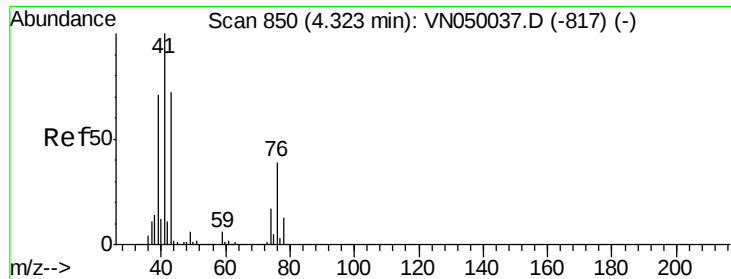
Tgt Ion: 76 Resp: 3449264

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

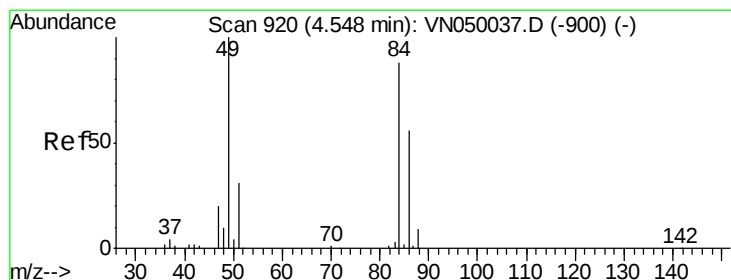
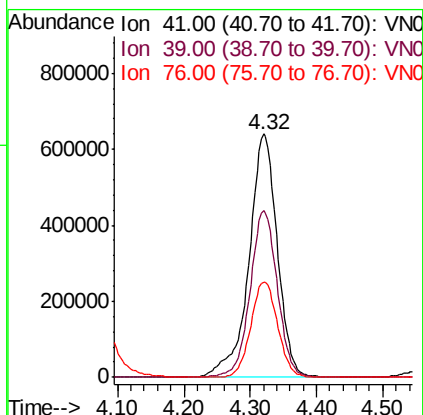
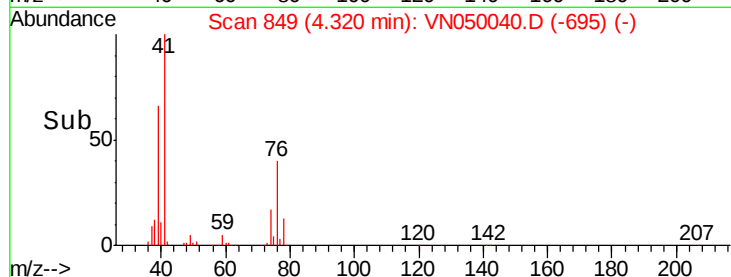
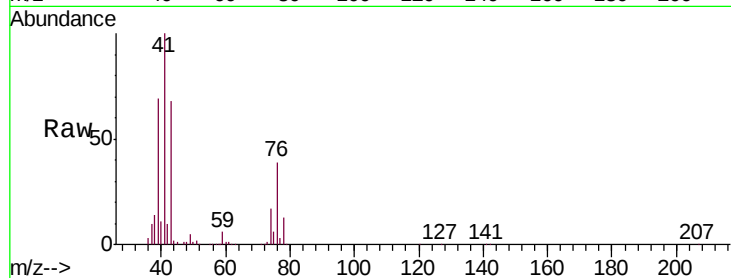




#17  
 Allyl chloride  
 Concen: 157.652 ug/l  
 RT: 4.32 min Scan# 849  
 Delta R.T. -0.00 min  
 Lab File: VN050040.D  
 Acq: 25 Jul 2018 10:11

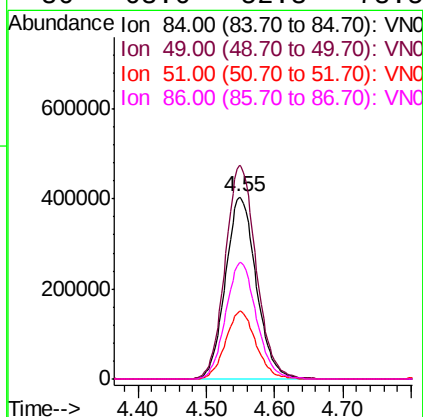
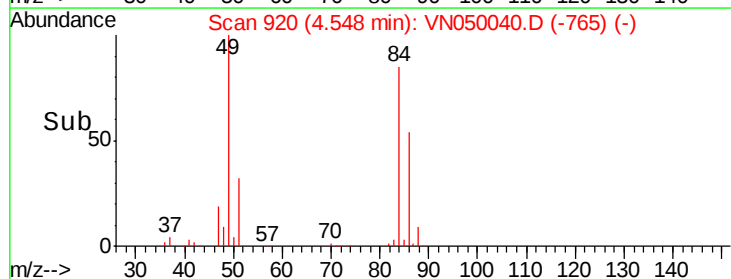
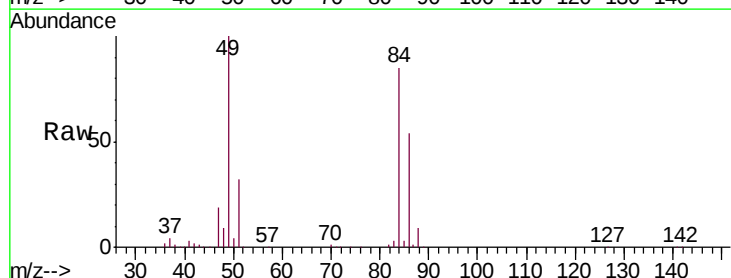
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC150

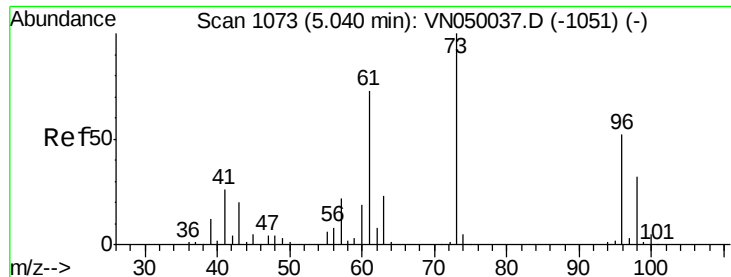
Tgt Ion: 41 Resp: 1904819  
 Ion Ratio Lower Upper  
 41 100  
 39 68.6 35.4 106.3  
 76 39.2 19.7 59.1



#18  
 Methylene Chloride  
 Concen: 143.739 ug/l  
 RT: 4.55 min Scan# 920  
 Delta R.T. -0.00 min  
 Lab File: VN050040.D  
 Acq: 25 Jul 2018 10:11

Tgt Ion: 84 Resp: 1268988  
 Ion Ratio Lower Upper  
 84 100  
 49 117.1 95.1 142.7  
 51 37.0 28.8 43.2  
 86 63.6 52.3 78.5

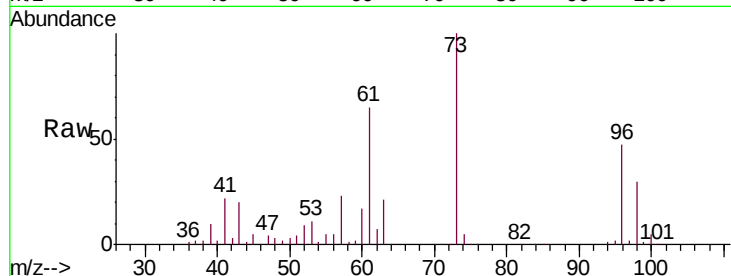




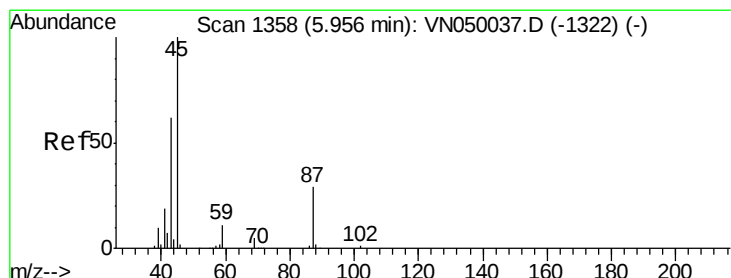
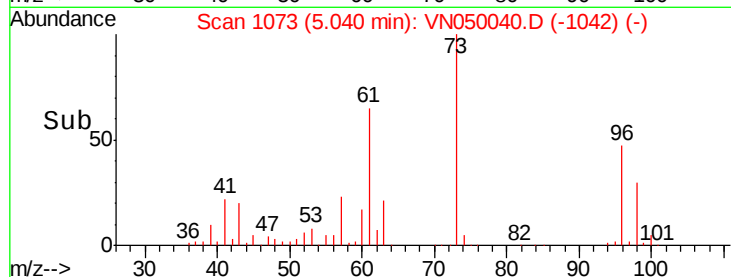
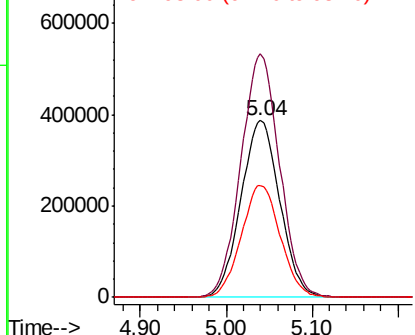
#19  
trans-1,2-Dichloroethene  
Concen: 148.751 ug/l  
RT: 5.04 min Scan# 1073  
Delta R.T. -0.00 min  
Lab File: VN050040.D  
Acq: 25 Jul 2018 10:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

Tgt Ion: 96 Resp: 1218412  
Ion Ratio Lower Upper  
96 100  
61 137.8 112.1 168.1  
98 63.6 51.3 76.9

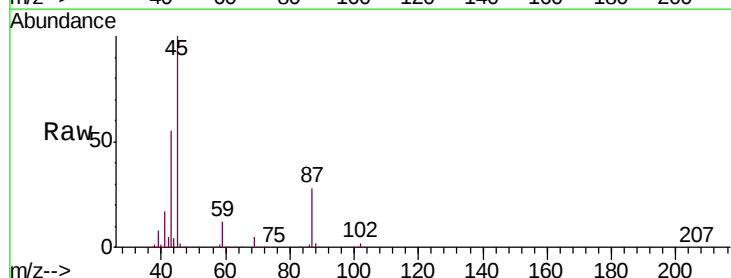


Abundance Ion 96.00 (95.70 to 96.70): VN0  
Ion 61.00 (60.70 to 61.70): VN0  
Ion 98.00 (97.70 to 98.70): VN0

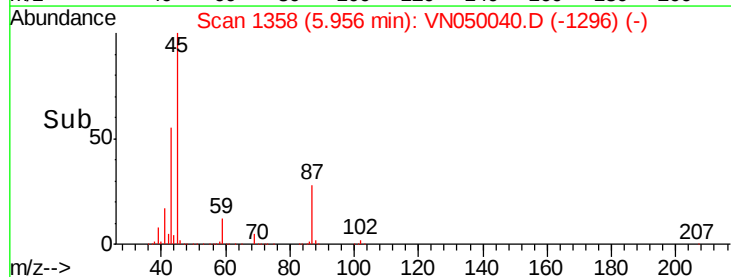
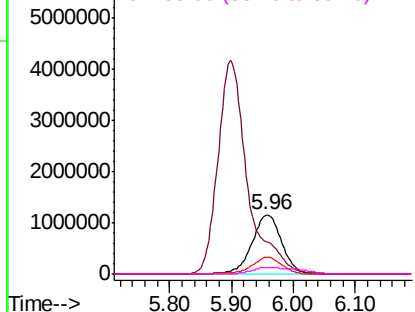


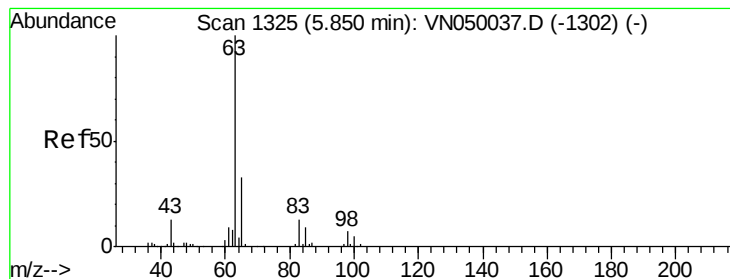
#20  
Diisopropyl ether  
Concen: 155.490 ug/l  
RT: 5.96 min Scan# 1358  
Delta R.T. -0.00 min  
Lab File: VN050040.D  
Acq: 25 Jul 2018 10:11

Tgt Ion: 45 Resp: 3852159  
Ion Ratio Lower Upper  
45 100  
43 54.7 46.6 70.0  
87 28.2 22.3 33.5  
59 11.7 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





#21

1,1-Dichloroethane

Concen: 144.659 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC150

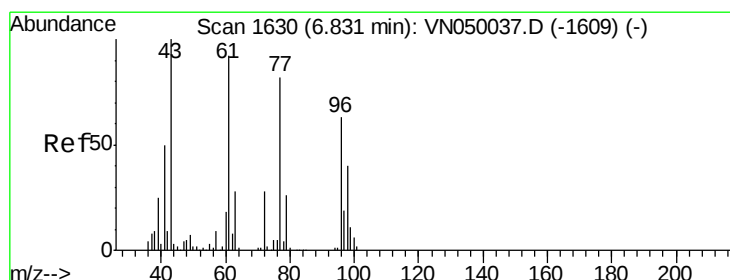
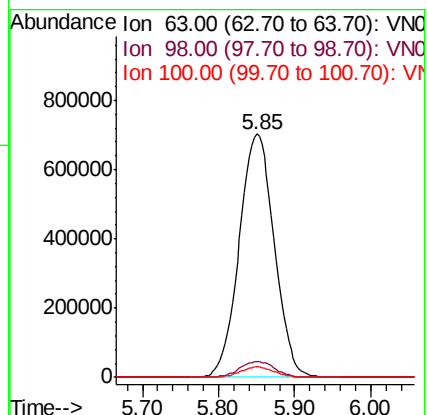
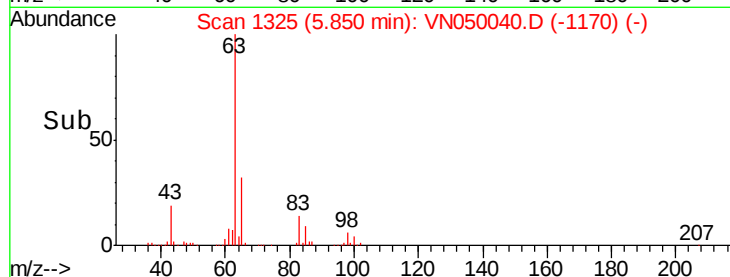
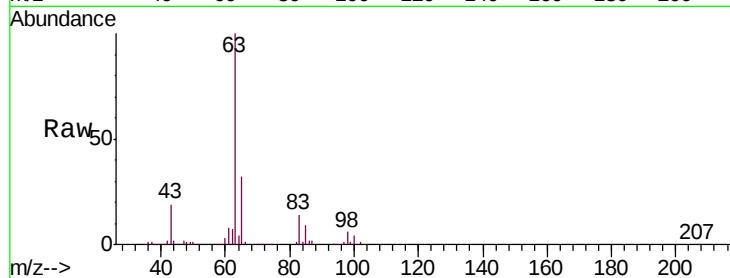
Tgt Ion: 63 Resp: 2253465

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.6

100 4.2 2.3 6.8



#22

cis-1,2-Dichloroethene

Concen: 153.325 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

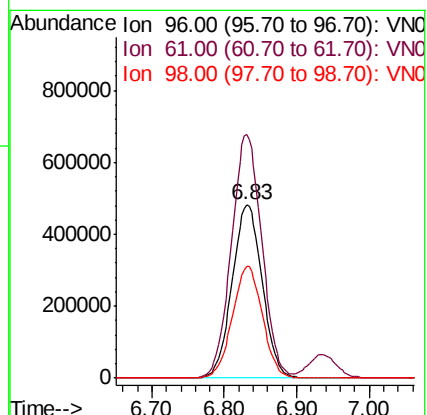
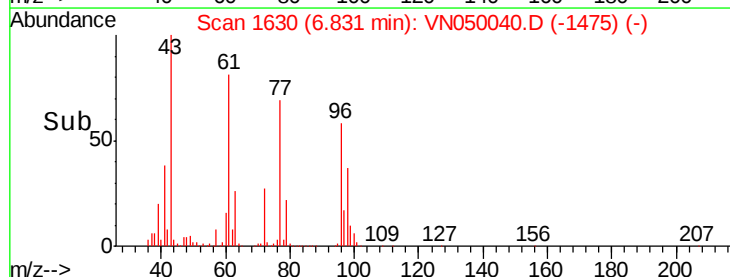
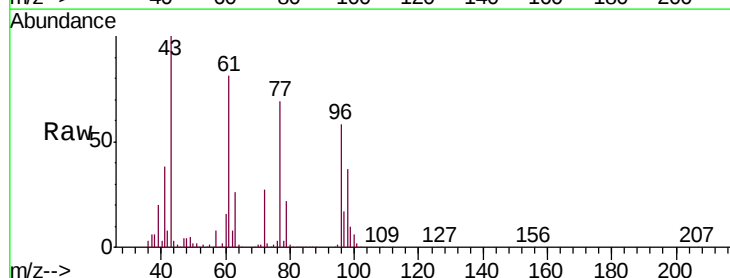
Tgt Ion: 96 Resp: 1392741

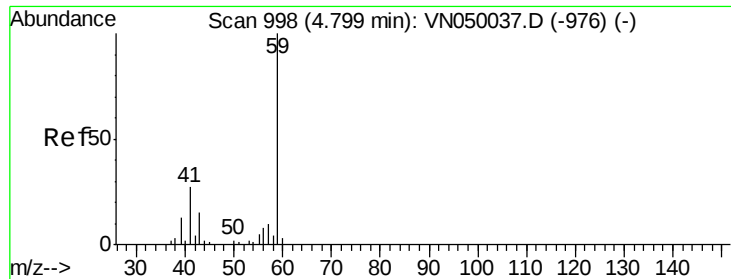
Ion Ratio Lower Upper

96 100

61 141.9 114.2 171.2

98 64.3 51.7 77.5

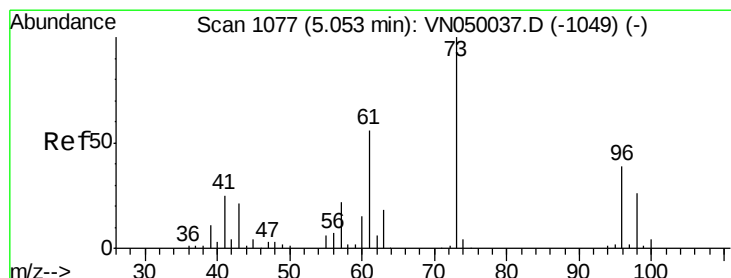
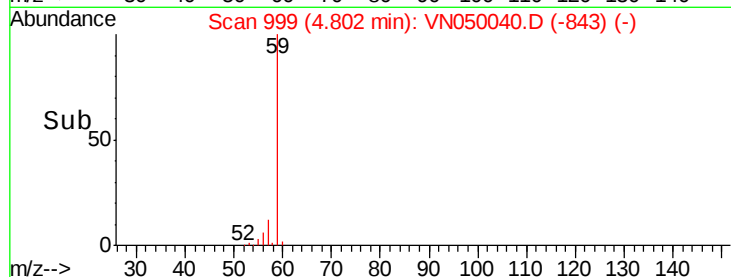
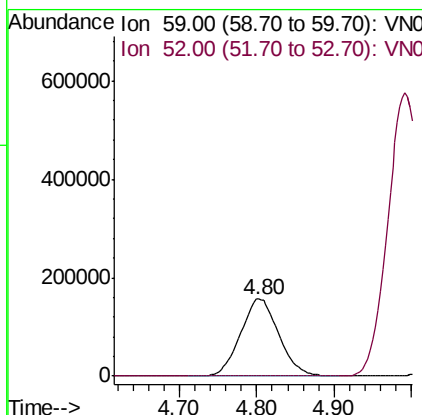
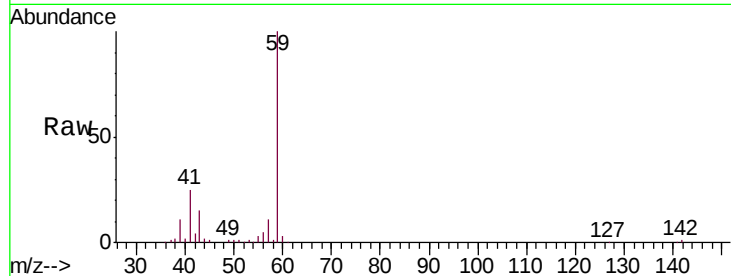




#23  
 tert-Butyl Alcohol  
 Concen: 829.645 ug/l  
 RT: 4.80 min Scan# 999  
 Delta R.T. 0.00 min  
 Lab File: VN050040.D  
 Acq: 25 Jul 2018 10:11

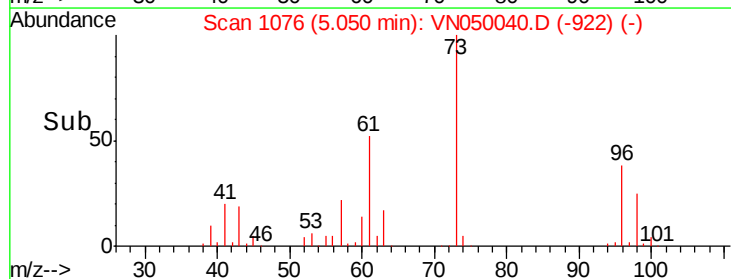
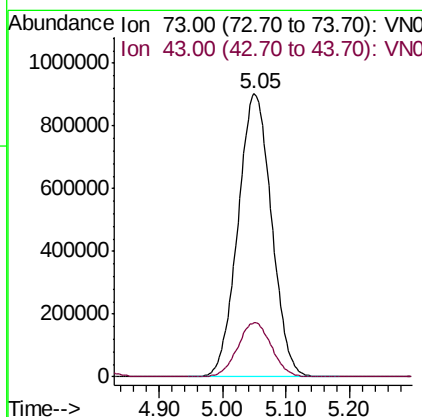
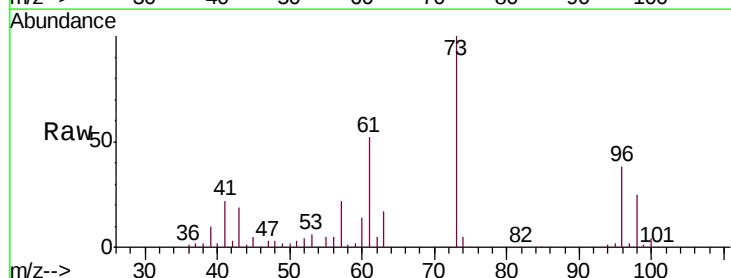
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC150

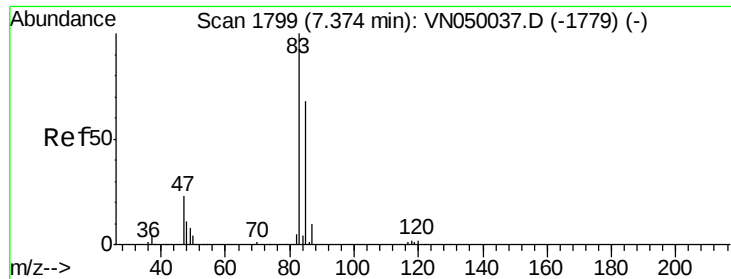
Tgt Ion: 59 Resp: 542399  
 Ion Ratio Lower Upper  
 59 100  
 52 0.0 0.1 0.1#



#24  
 Methyl tert-Butyl Ether  
 Concen: 158.722 ug/l  
 RT: 5.05 min Scan# 1076  
 Delta R.T. -0.00 min  
 Lab File: VN050040.D  
 Acq: 25 Jul 2018 10:11

Tgt Ion: 73 Resp: 3311705  
 Ion Ratio Lower Upper  
 73 100  
 43 19.3 15.5 23.3





#25

Chloroform

Concen: 142.850 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA\_N

ClientSampleId :

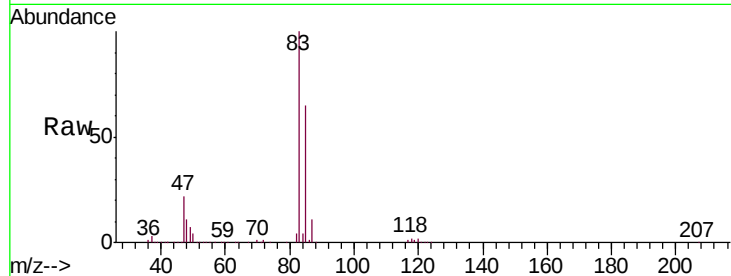
VSTDIC150

Tgt Ion: 83 Resp: 2252684

Ion Ratio Lower Upper

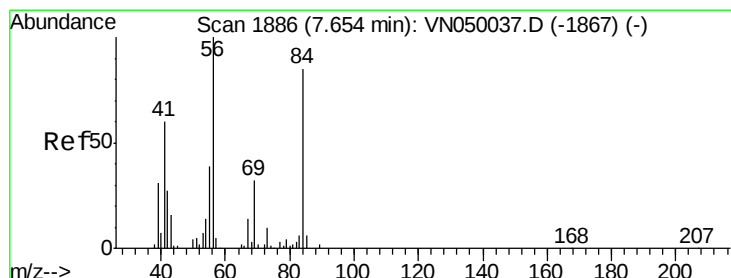
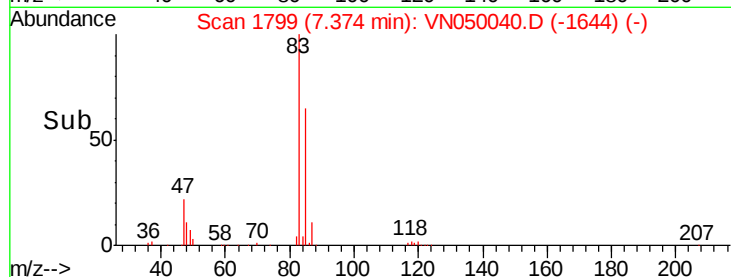
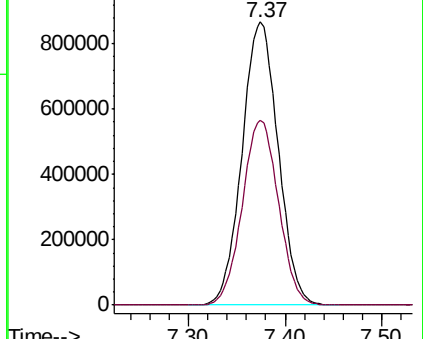
83 100

85 65.3 52.1 78.1



Abundance Ion 83.00 (82.70 to 83.70): VN050037.D (-1779) (-)

Ion 85.00 (84.70 to 85.70): VN050037.D (-1779) (-)



#26

Cyclohexane

Concen: 160.202 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

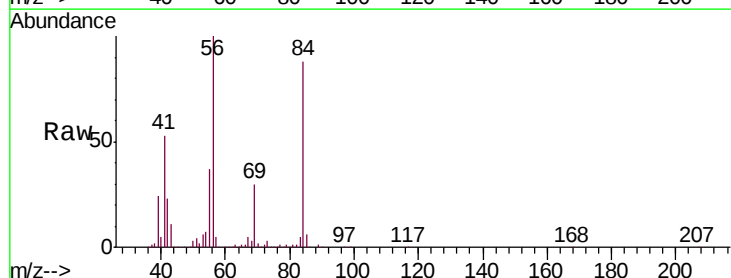
Tgt Ion: 56 Resp: 1983124

Ion Ratio Lower Upper

56 100

89 1.0 3.0 4.4#

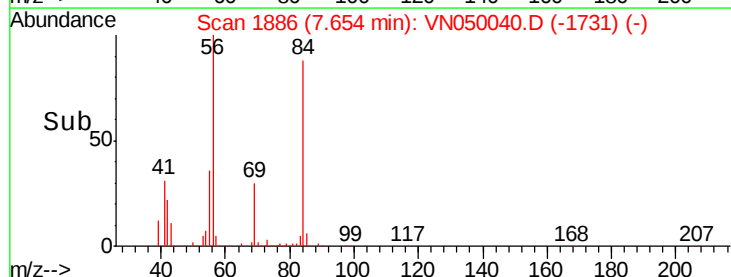
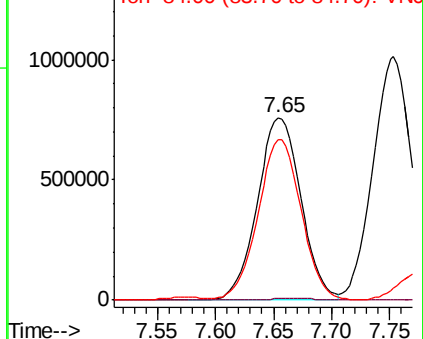
84 87.2 69.8 104.8

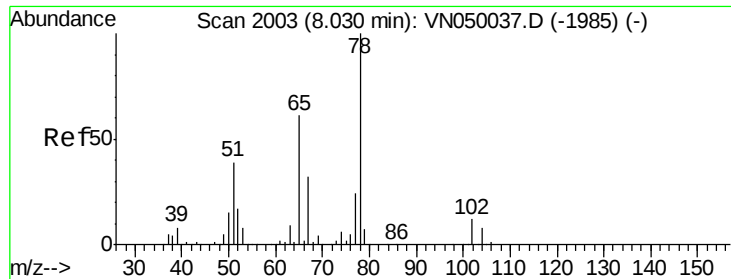


Abundance Ion 56.00 (55.70 to 56.70): VN050037.D (-1867) (-)

Ion 89.00 (88.70 to 89.70): VN050037.D (-1867) (-)

Ion 84.00 (83.70 to 84.70): VN050037.D (-1867) (-)

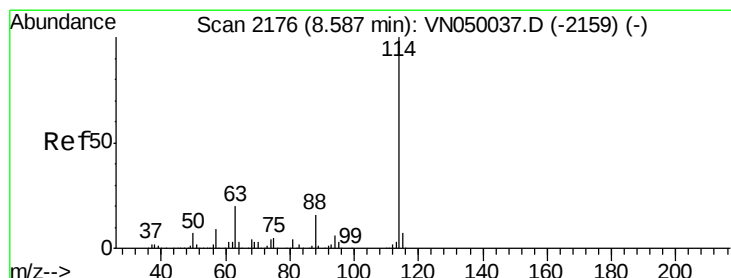
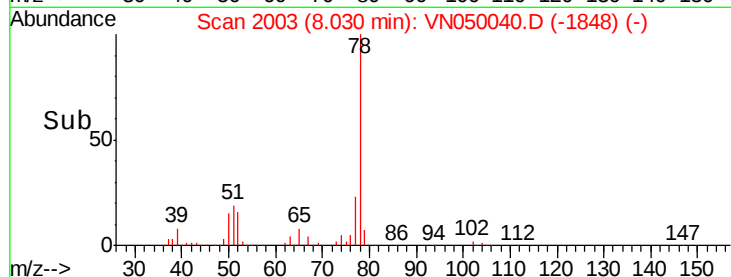
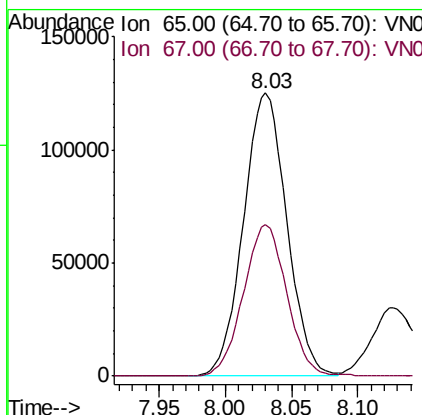
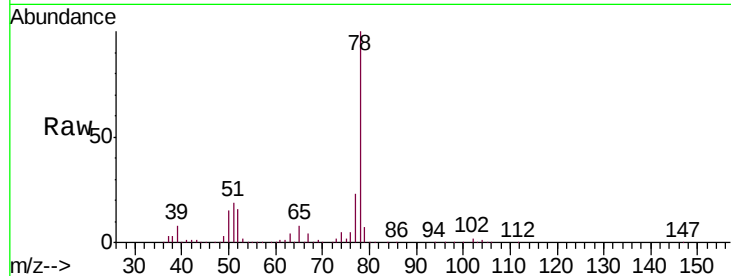




#27  
 1,2-Dichloroethane-d4  
 Concen: 29.255 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. -0.00 min  
 Lab File: VN050040.D  
 Acq: 25 Jul 2018 10:11

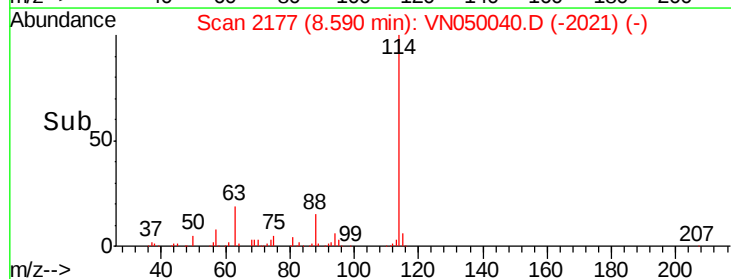
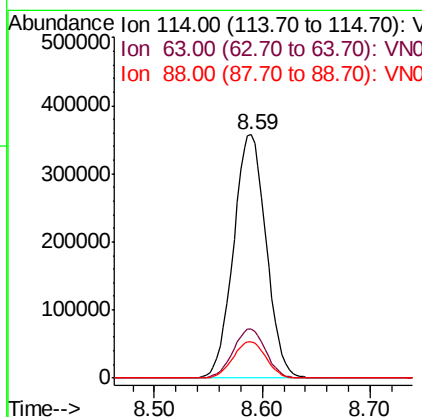
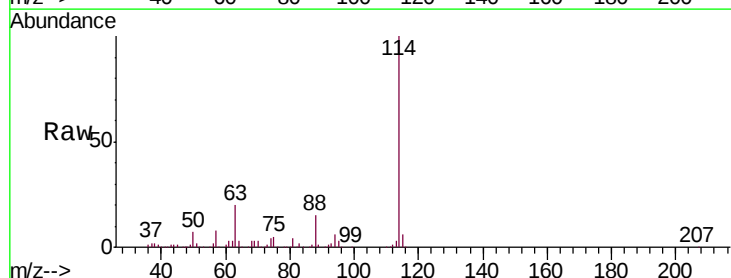
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC150

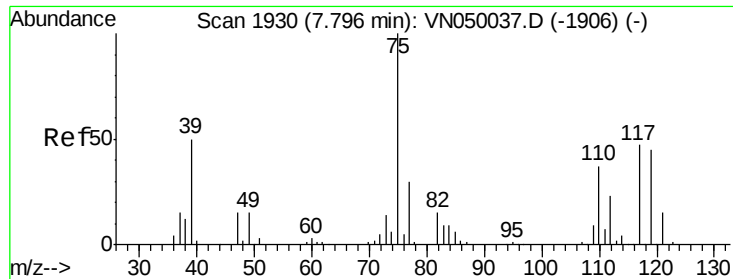
Tgt Ion: 65 Resp: 285342  
 Ion Ratio Lower Upper  
 65 100  
 67 53.0 42.7 64.1



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN050040.D  
 Acq: 25 Jul 2018 10:11

Tgt Ion: 114 Resp: 753310  
 Ion Ratio Lower Upper  
 114 100  
 63 20.2 16.2 24.2  
 88 15.1 12.3 18.5

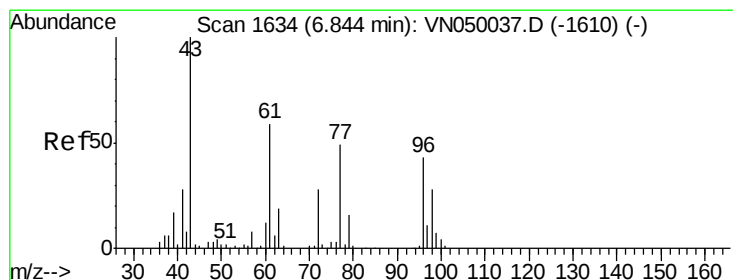
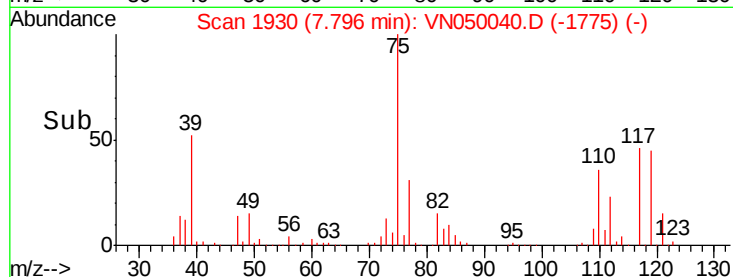
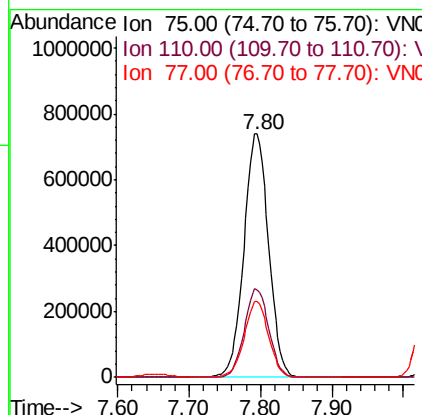
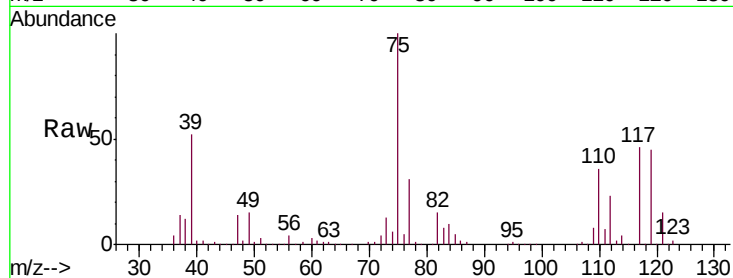




#29  
 1,1-Dichloropropene  
 Concen: 152.199 ug/l  
 RT: 7.80 min Scan# 1930  
 Delta R.T. -0.00 min  
 Lab File: VN050040.D  
 Acq: 25 Jul 2018 10:11

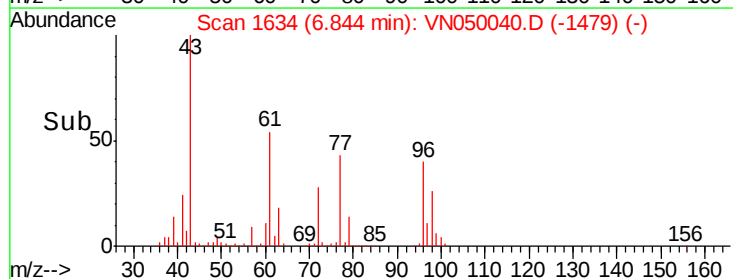
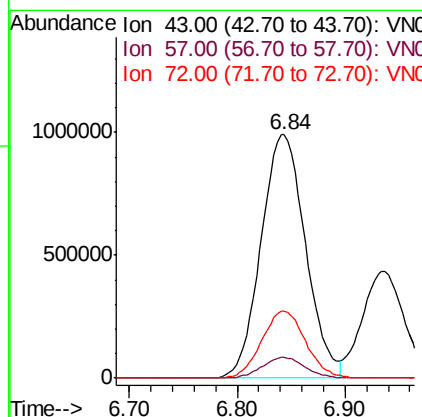
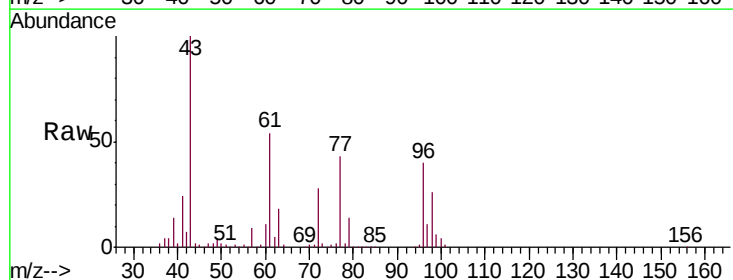
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC150

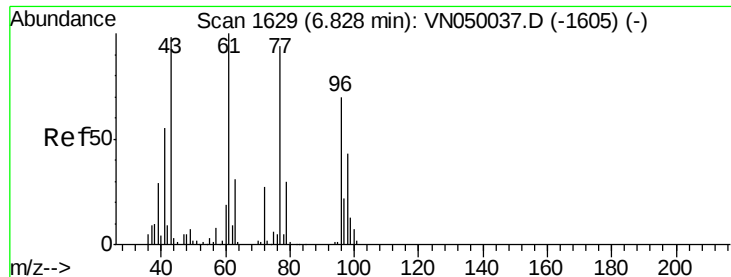
Tgt Ion: 75 Resp: 1779330  
 Ion Ratio Lower Upper  
 75 100  
 110 36.0 0.0 73.2  
 77 30.8 0.0 62.0



#30  
 2-Butanone  
 Concen: 770.186 ug/l  
 RT: 6.84 min Scan# 1634  
 Delta R.T. -0.00 min  
 Lab File: VN050040.D  
 Acq: 25 Jul 2018 10:11

Tgt Ion: 43 Resp: 2825462  
 Ion Ratio Lower Upper  
 43 100  
 57 8.3 6.8 10.2  
 72 27.5 21.4 32.0

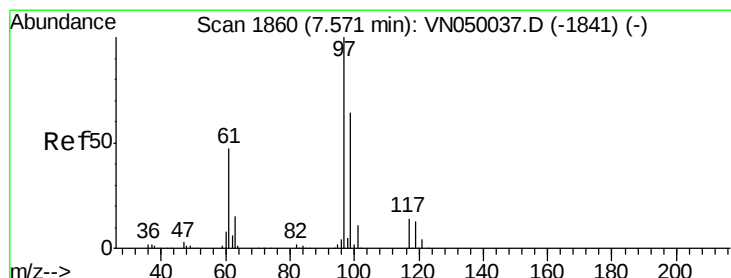
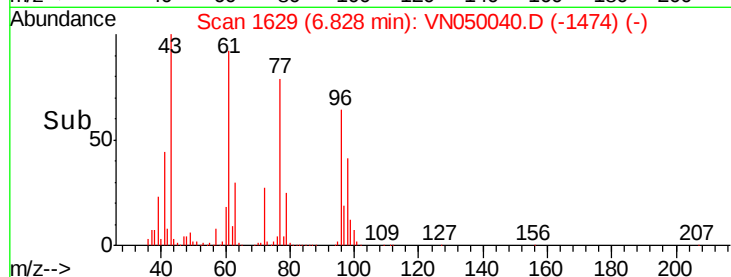
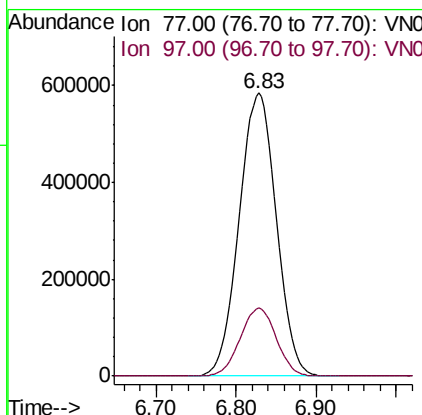
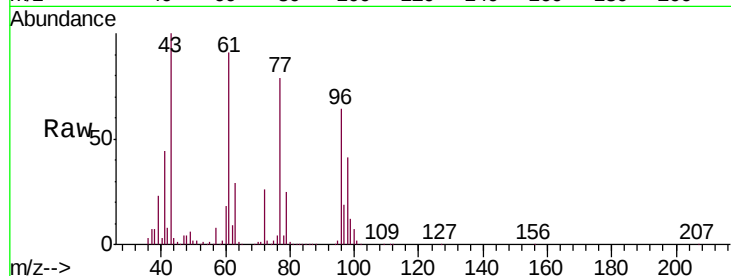




#31  
 2,2-Dichloropropane  
 Concen: 142.860 ug/l  
 RT: 6.83 min Scan# 1629  
 Delta R.T. -0.00 min  
 Lab File: VN050040.D  
 Acq: 25 Jul 2018 10:11

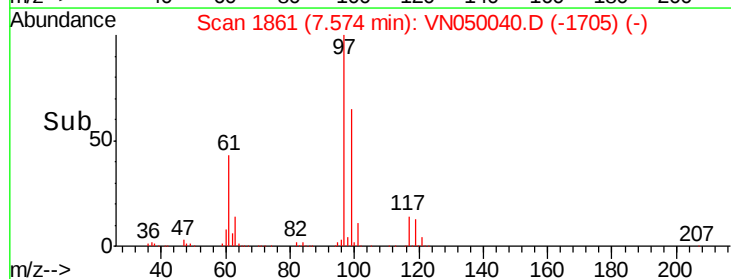
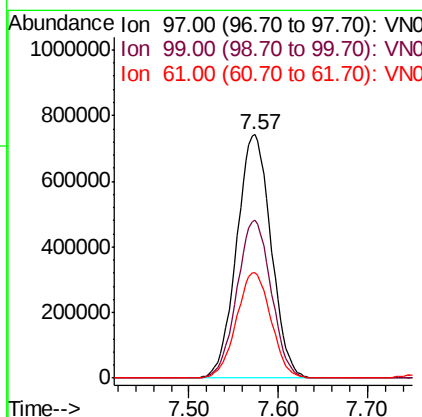
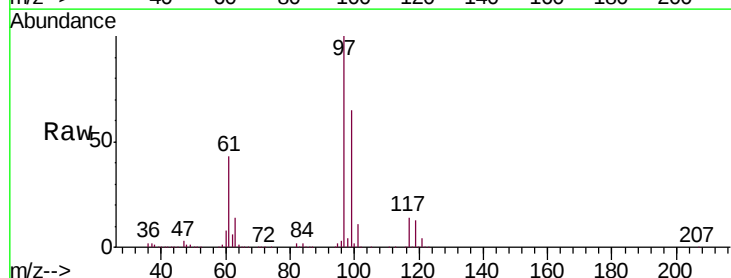
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC150

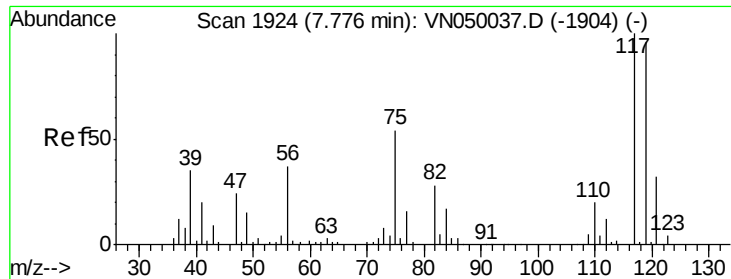
Tgt Ion: 77 Resp: 1846130  
 Ion Ratio Lower Upper  
 77 100  
 97 23.5 18.9 28.3



#32  
 1,1,1-Trichloroethane  
 Concen: 143.804 ug/l  
 RT: 7.57 min Scan# 1861  
 Delta R.T. 0.00 min  
 Lab File: VN050040.D  
 Acq: 25 Jul 2018 10:11

Tgt Ion: 97 Resp: 1978830  
 Ion Ratio Lower Upper  
 97 100  
 99 64.8 51.2 76.8  
 61 43.6 35.3 52.9





#33

Carbon Tetrachloride

Concen: 143.982 ug/l

RT: 7.78 min Scan# 1924

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC150

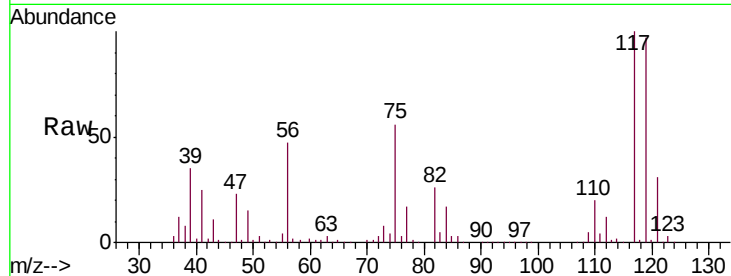
Tgt Ion:117 Resp: 1766136

Ion Ratio Lower Upper

117 100

119 96.8 76.9 115.3

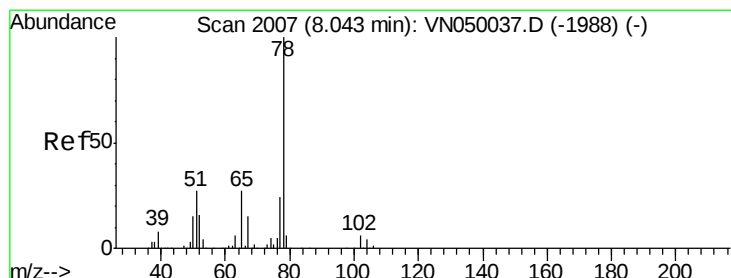
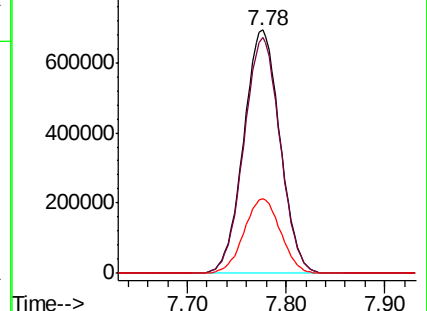
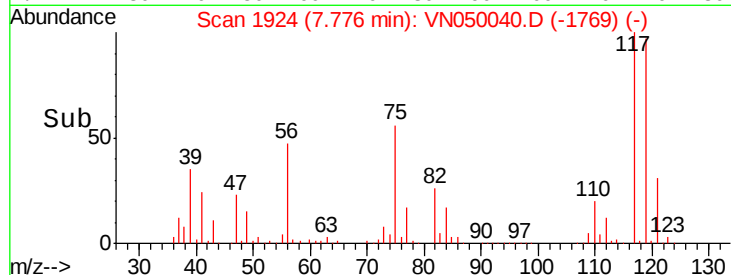
121 30.9 24.4 36.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 146.874 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

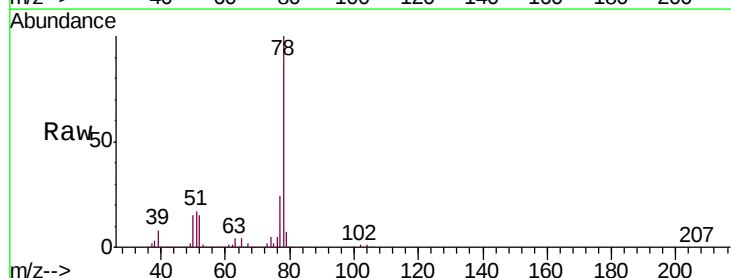
Tgt Ion: 78 Resp: 5214686

Ion Ratio Lower Upper

78 100

77 23.6 19.1 28.7

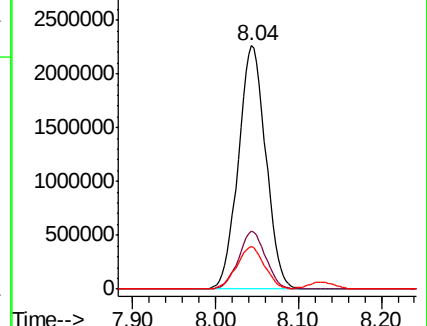
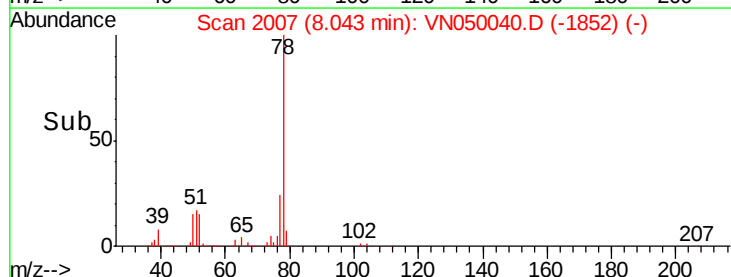
51 17.4 21.0 31.4#

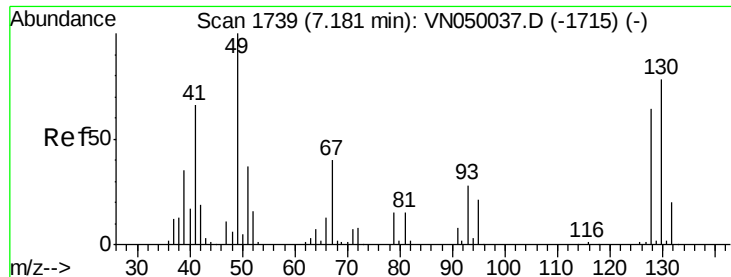


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

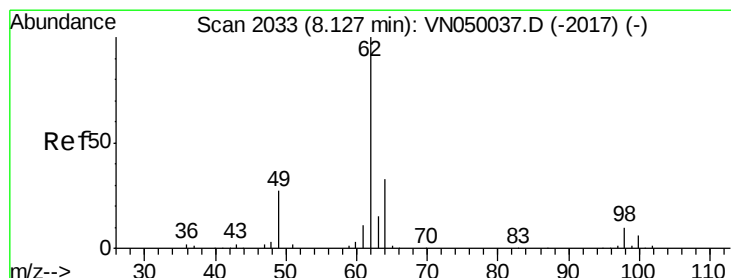
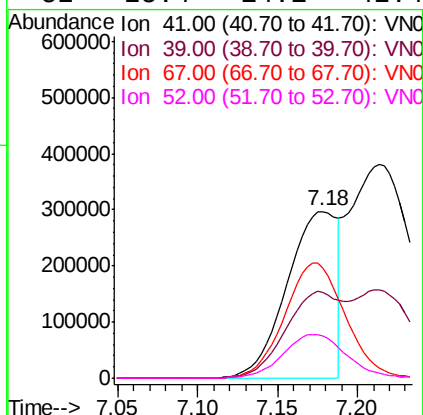
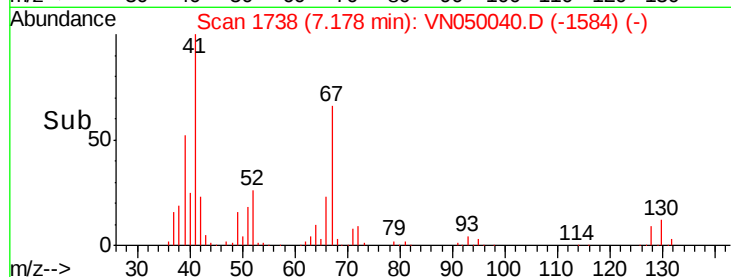
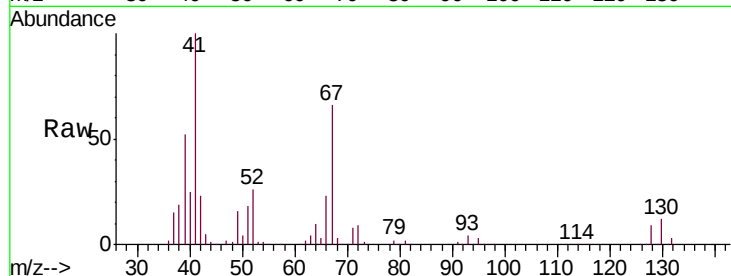




#35  
Methacrylonitrile  
Concen: 156.290 ug/l  
RT: 7.18 min Scan# 1738  
Delta R.T. -0.00 min  
Lab File: VN050040.D  
Acq: 25 Jul 2018 10:11

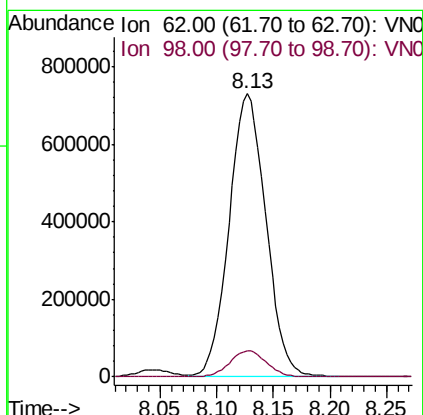
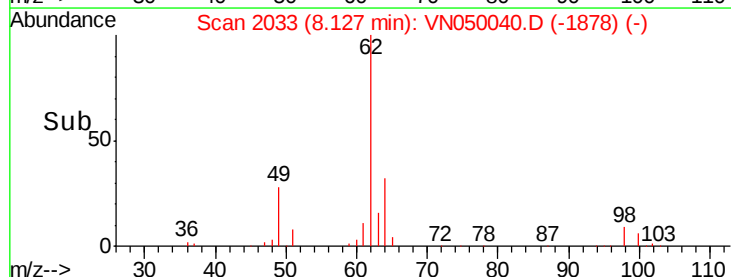
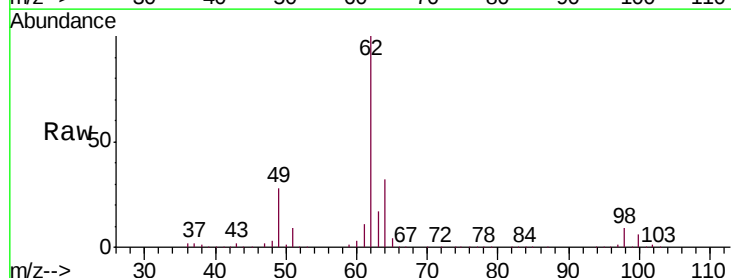
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC150

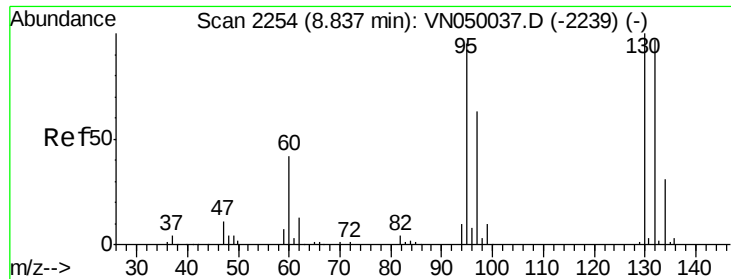
Tgt Ion: 41 Resp: 652820  
Ion Ratio Lower Upper  
41 100  
39 51.5 27.6 82.7  
67 66.2 35.1 105.5  
52 25.4 14.1 42.4



#36  
1,2-Dichloroethane  
Concen: 141.428 ug/l  
RT: 8.13 min Scan# 2033  
Delta R.T. -0.00 min  
Lab File: VN050040.D  
Acq: 25 Jul 2018 10:11

Tgt Ion: 62 Resp: 1648699  
Ion Ratio Lower Upper  
62 100  
98 9.3 7.8 11.6

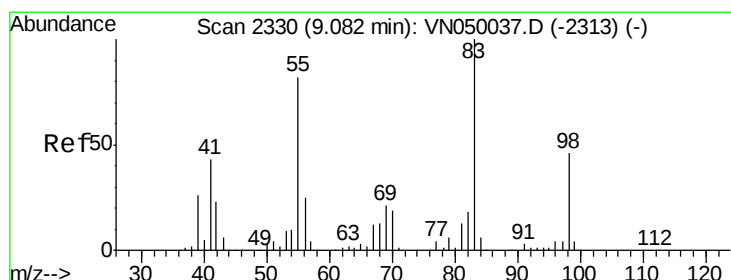
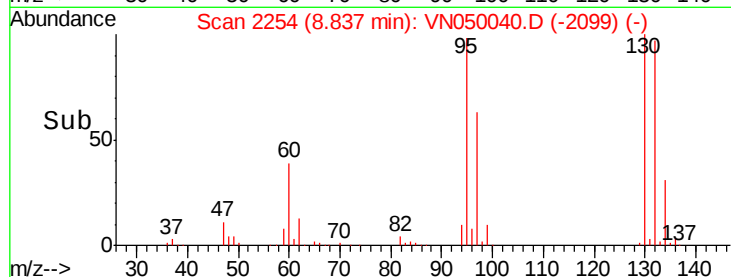
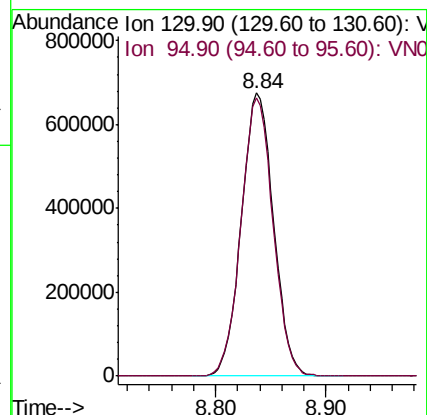
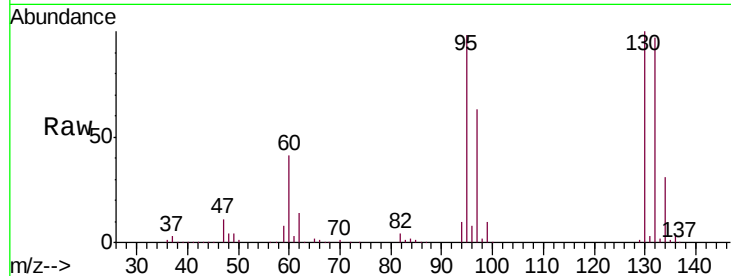




#37  
 Trichloroethene  
 Concen: 146.577 ug/l  
 RT: 8.84 min Scan# 2254  
 Delta R.T. -0.00 min  
 Lab File: VN050040.D  
 Acq: 25 Jul 2018 10:11

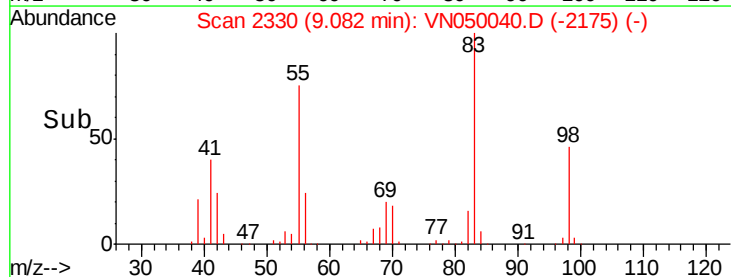
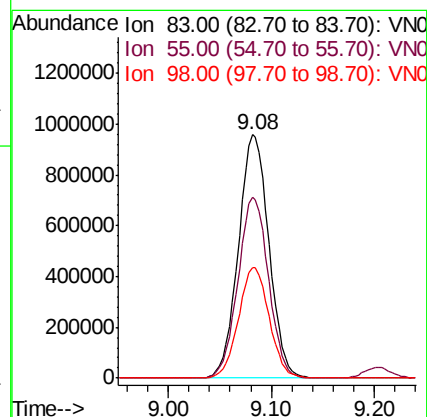
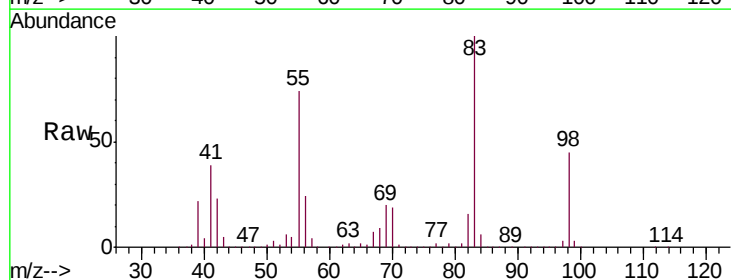
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC150

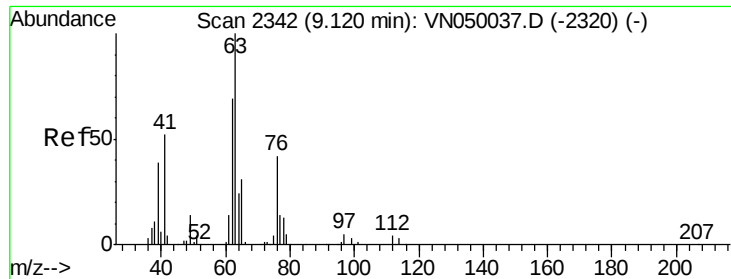
Tgt Ion:130 Resp: 1364906  
 Ion Ratio Lower Upper  
 130 100  
 95 98.4 79.7 119.5



#38  
 Methylcyclohexane  
 Concen: 160.073 ug/l  
 RT: 9.08 min Scan# 2330  
 Delta R.T. -0.00 min  
 Lab File: VN050040.D  
 Acq: 25 Jul 2018 10:11

Tgt Ion: 83 Resp: 1972846  
 Ion Ratio Lower Upper  
 83 100  
 55 74.6 39.3 117.8  
 98 45.8 23.0 69.0





#39

1,2-Dichloropropane

Concen: 146.206 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA\_N

ClientSampleId :

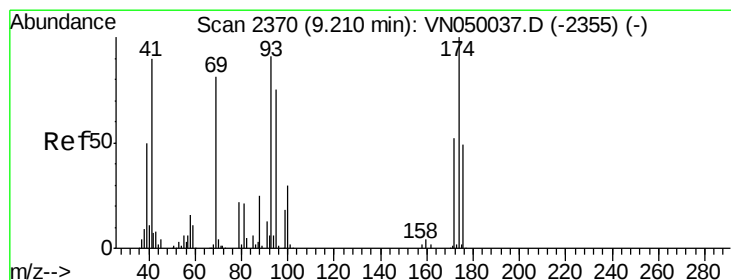
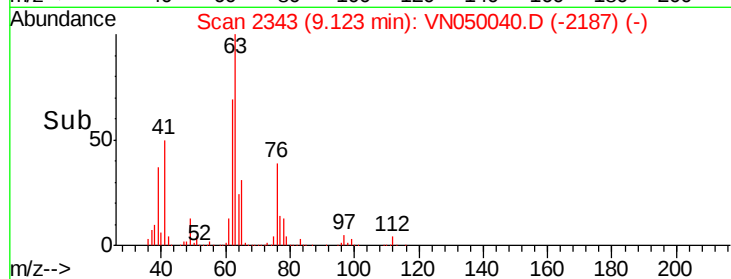
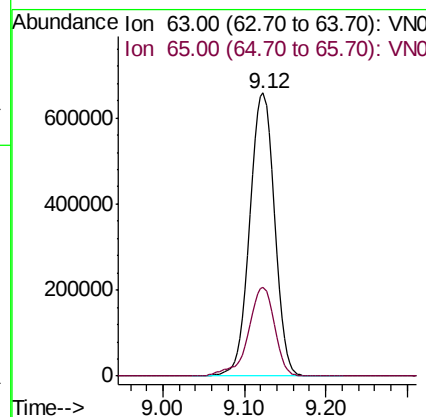
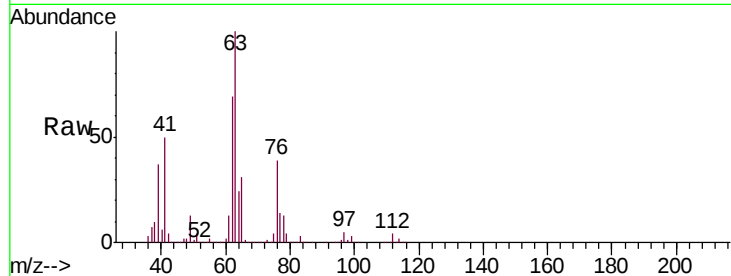
VSTDIC150

Tgt Ion: 63 Resp: 1367462

Ion Ratio Lower Upper

63 100

65 31.2 24.2 36.2



#40

Dibromomethane

Concen: 145.706 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

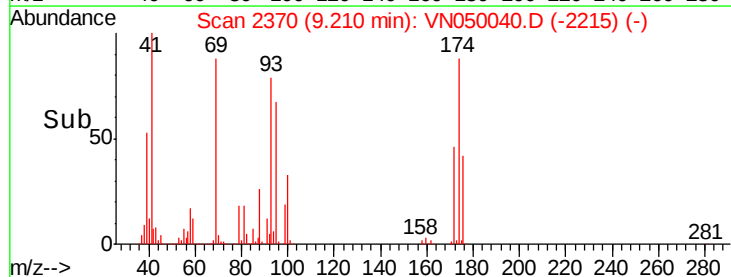
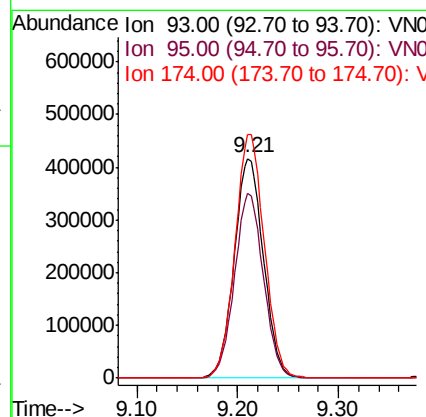
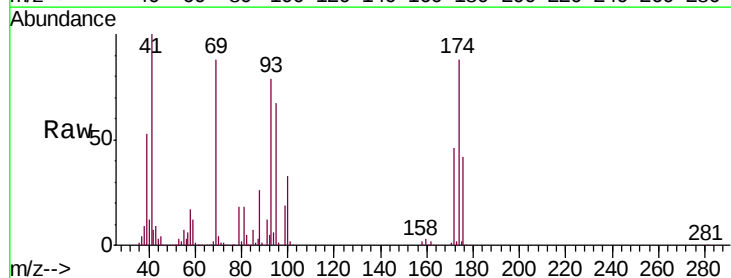
Tgt Ion: 93 Resp: 842264

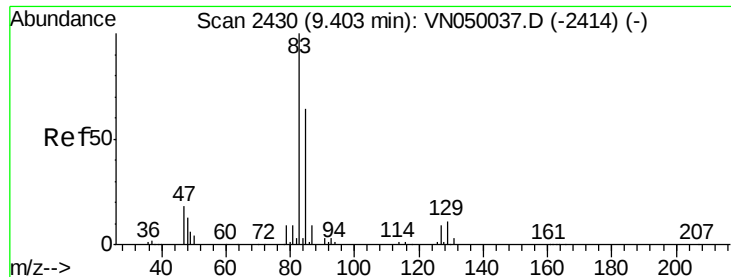
Ion Ratio Lower Upper

93 100

95 83.4 0.0 165.6

174 111.0 0.0 223.2

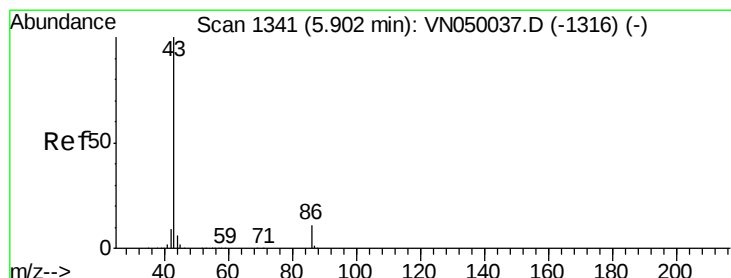
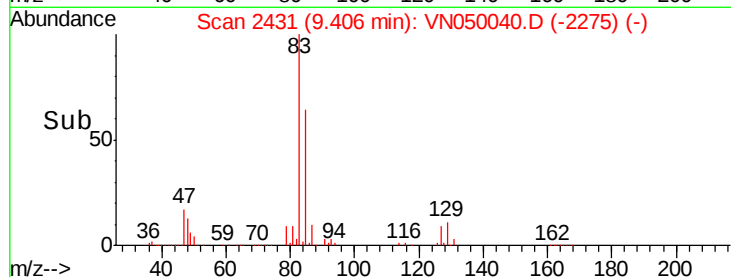
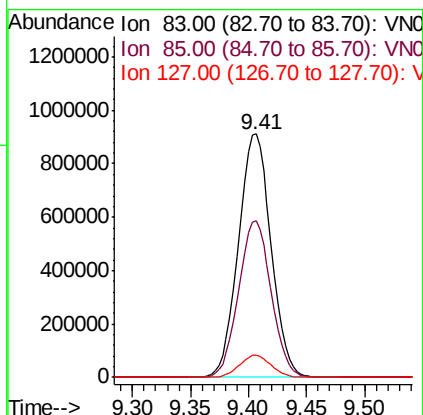
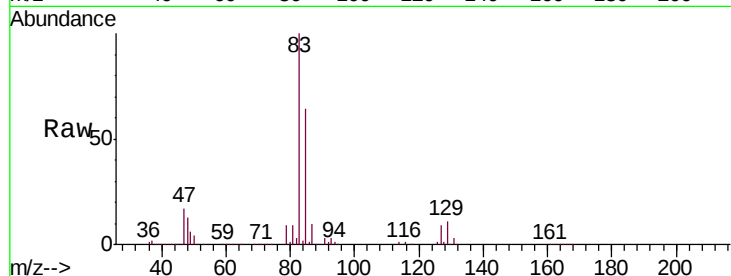




#41  
 Bromodichloromethane  
 Concen: 146.380 ug/l  
 RT: 9.41 min Scan# 2431  
 Delta R.T. 0.00 min  
 Lab File: VN050040.D  
 Acq: 25 Jul 2018 10:11

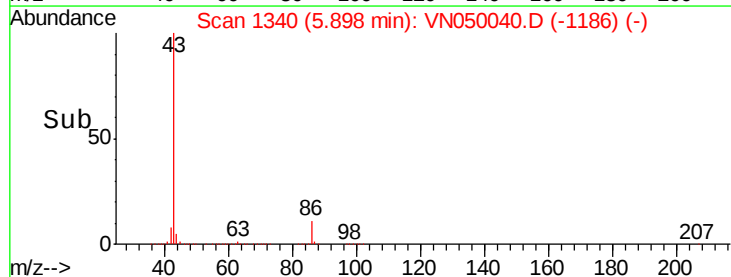
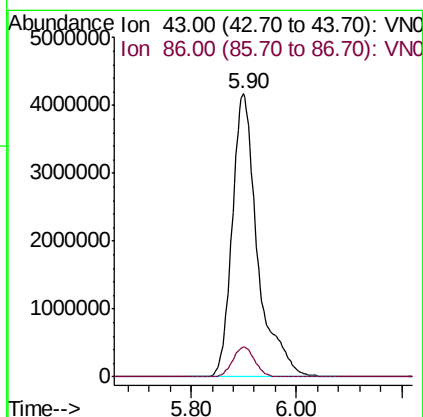
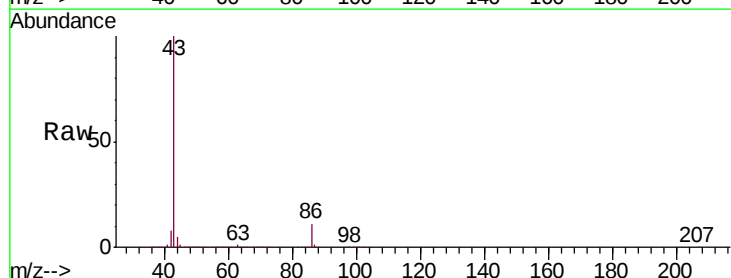
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC150

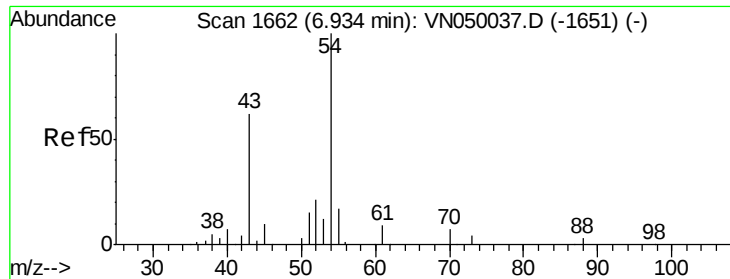
Tgt Ion: 83 Resp: 1784882  
 Ion Ratio Lower Upper  
 83 100  
 85 64.3 52.6 78.8  
 127 9.0 7.0 10.4



#42  
 Vinyl Acetate  
 Concen: 803.314 ug/l  
 RT: 5.90 min Scan# 1340  
 Delta R.T. -0.00 min  
 Lab File: VN050040.D  
 Acq: 25 Jul 2018 10:11

Tgt Ion: 43 Resp: 13867828  
 Ion Ratio Lower Upper  
 43 100  
 86 9.2 7.3 10.9

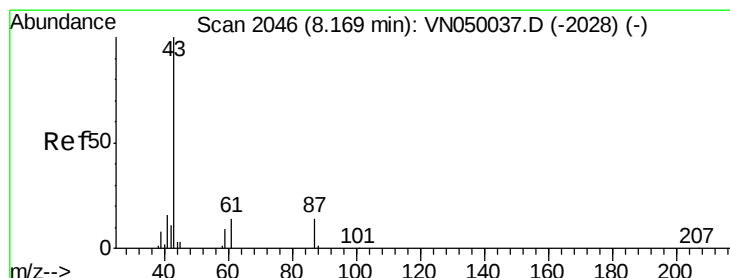
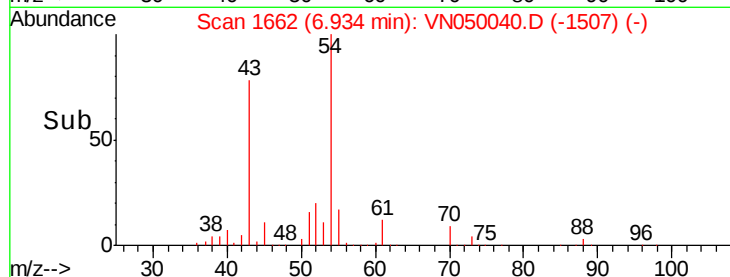
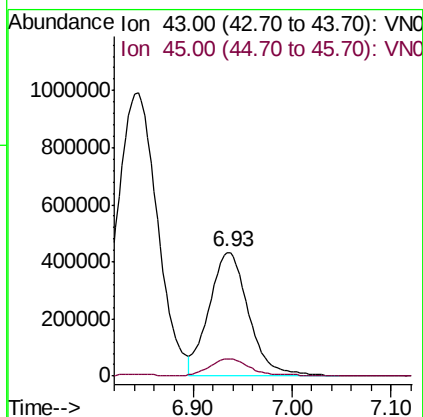
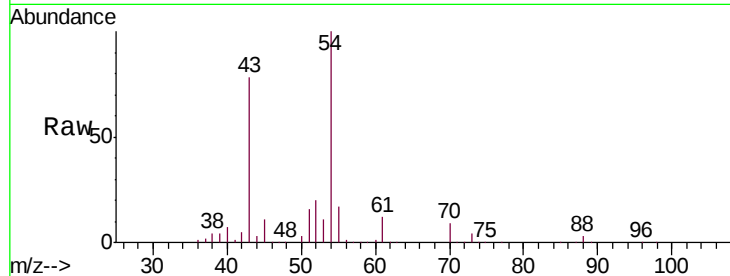




#43  
Ethyl Acetate  
Concen: 156.557 ug/l  
RT: 6.93 min Scan# 1662  
Delta R.T. -0.00 min  
Lab File: VN050040.D  
Acq: 25 Jul 2018 10:11

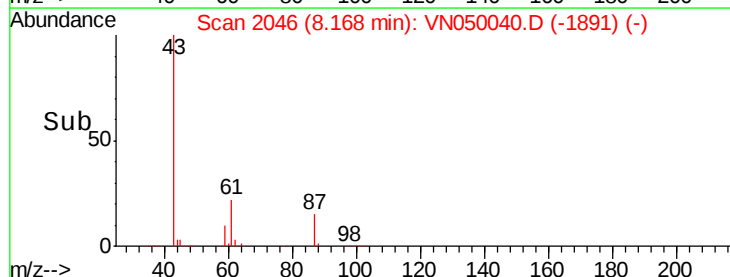
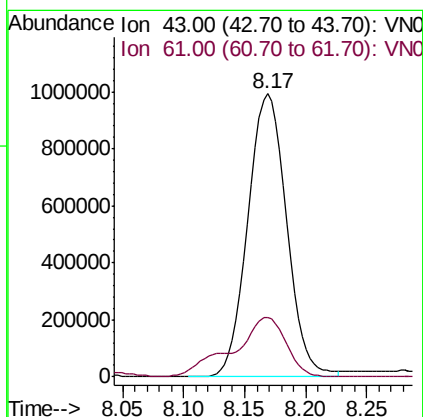
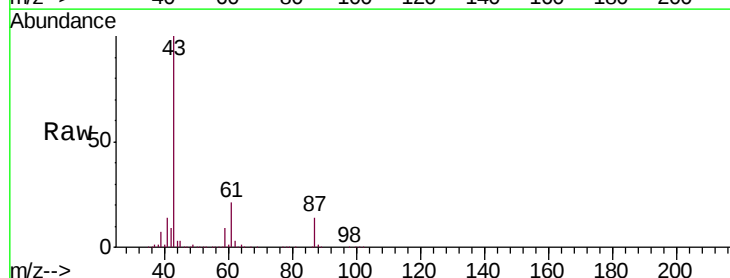
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

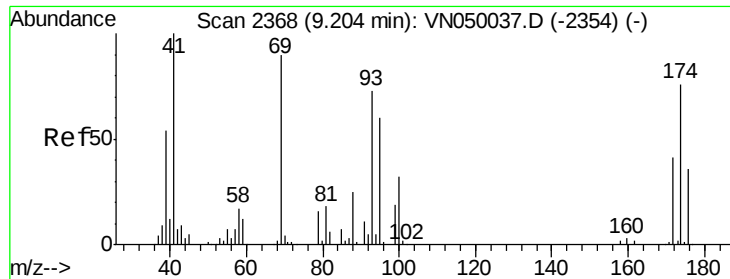
Tgt Ion: 43 Resp: 1199313  
Ion Ratio Lower Upper  
43 100  
45 15.0 13.0 19.6



#44  
Isopropyl Acetate  
Concen: 153.980 ug/l  
RT: 8.17 min Scan# 2046  
Delta R.T. -0.00 min  
Lab File: VN050040.D  
Acq: 25 Jul 2018 10:11

Tgt Ion: 43 Resp: 2185096  
Ion Ratio Lower Upper  
43 100  
61 20.5 16.4 24.6





#45

1,4-Dioxane

Concen: 3218.481 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC150

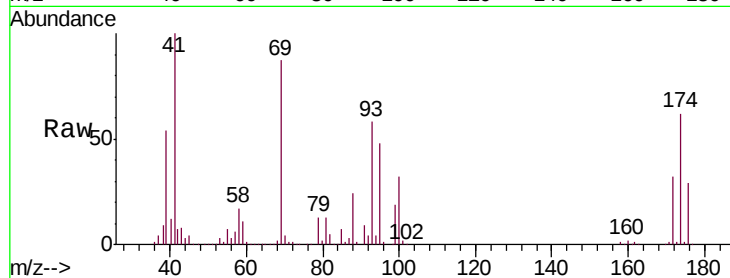
Tgt Ion: 88 Resp: 300547

Ion Ratio Lower Upper

88 100

43 32.7 26.9 40.3

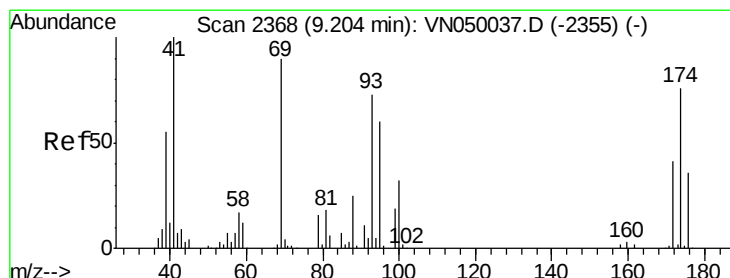
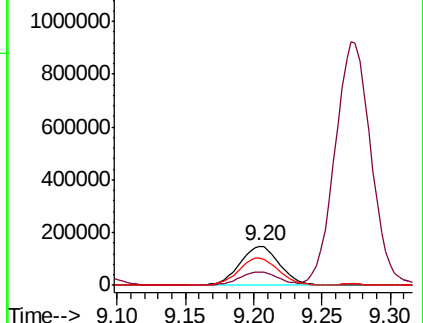
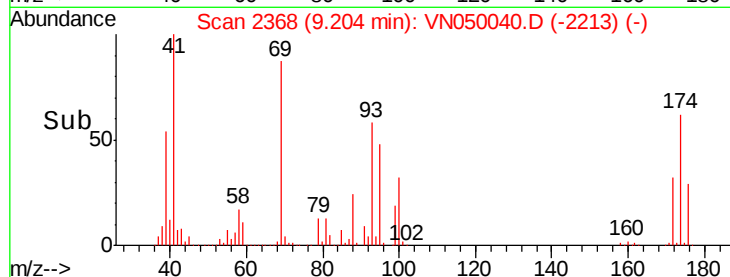
58 70.0 53.6 80.4



Abundance Ion 88.00 (87.70 to 88.70): VN050037.D (-2354) (-)

Ion 43.00 (42.70 to 43.70): VN050037.D (-2354) (-)

Ion 58.00 (57.70 to 58.70): VN050037.D (-2354) (-)



#46

Methyl methacrylate

Concen: 163.236 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

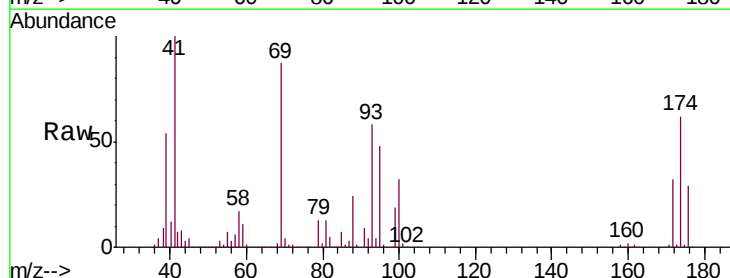
Tgt Ion: 41 Resp: 1122958

Ion Ratio Lower Upper

41 100

69 88.0 44.0 132.1

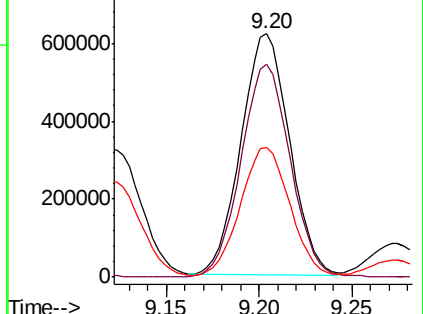
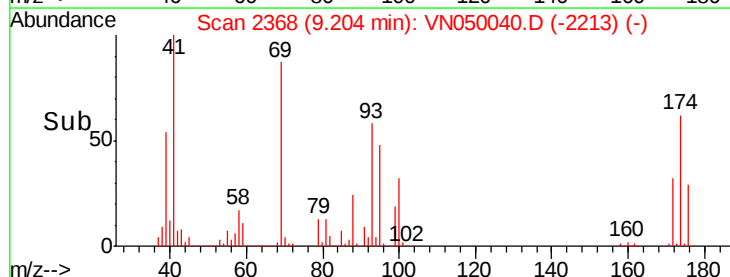
39 53.4 27.0 80.8

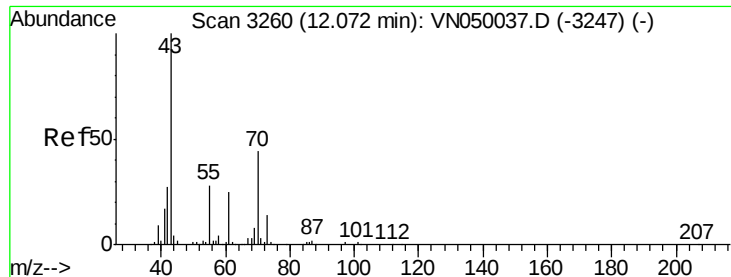


Abundance Ion 41.00 (40.70 to 41.70): VN050037.D (-2355) (-)

Ion 69.00 (68.70 to 69.70): VN050037.D (-2355) (-)

Ion 39.00 (38.70 to 39.70): VN050037.D (-2355) (-)

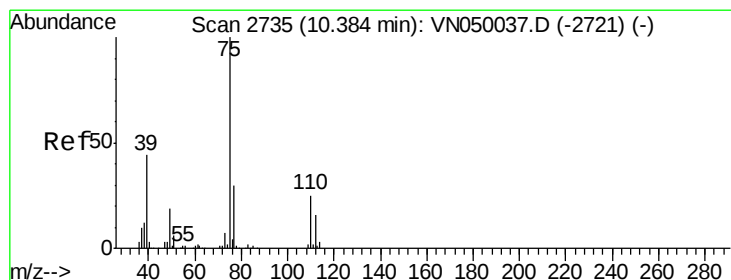
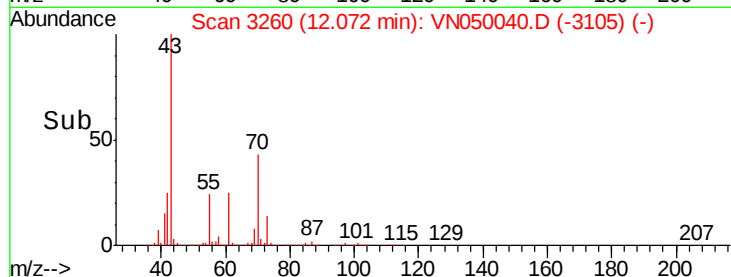
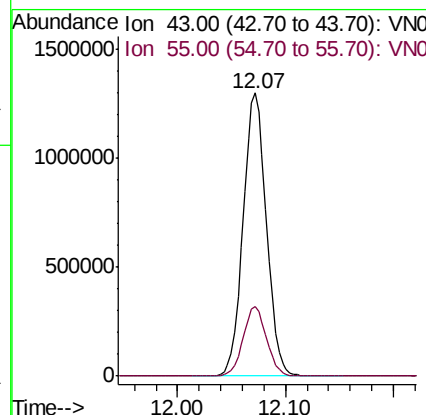
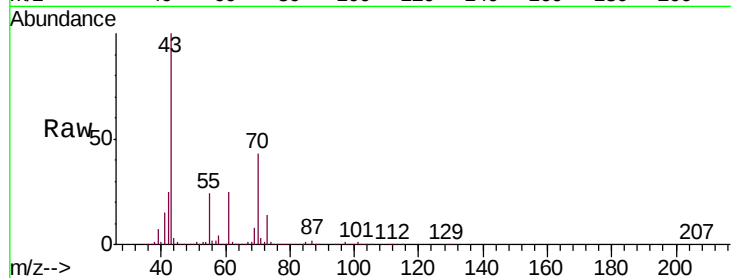




#47  
n-amy1 Acetate  
Concen: 176.947 ug/l  
RT: 12.07 min Scan# 3260  
Delta R.T. -0.00 min  
Lab File: VN050040.D  
Acq: 25 Jul 2018 10:11

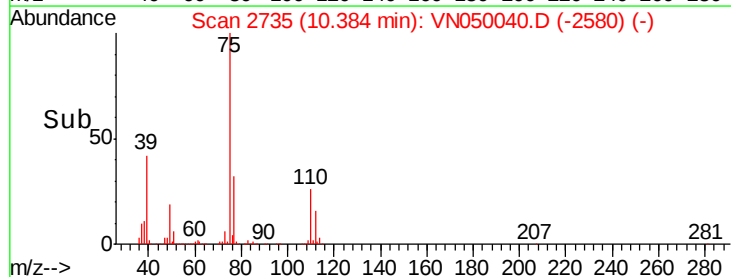
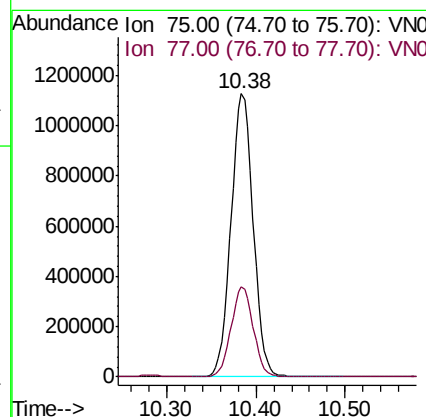
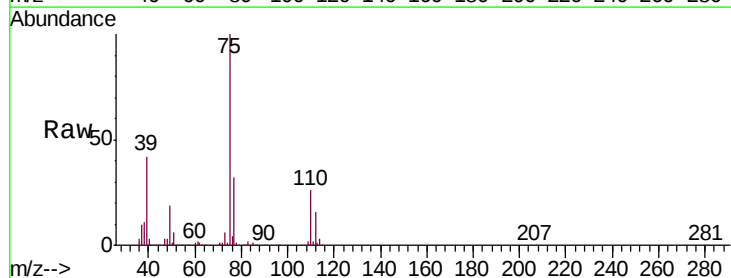
Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC150

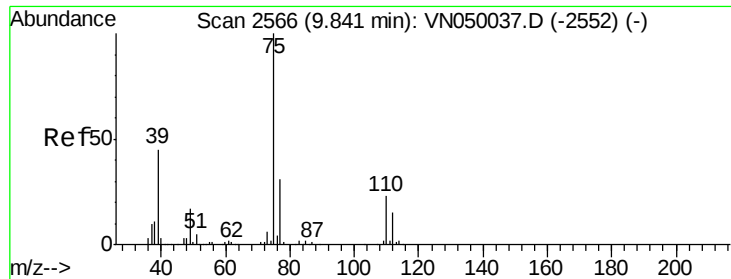
Tgt Ion: 43 Resp: 1953901  
Ion Ratio Lower Upper  
43 100  
55 24.9 21.0 31.4



#48  
t-1,3-Dichloropropene  
Concen: 160.505 ug/l  
RT: 10.38 min Scan# 2735  
Delta R.T. -0.00 min  
Lab File: VN050040.D  
Acq: 25 Jul 2018 10:11

Tgt Ion: 75 Resp: 1940344  
Ion Ratio Lower Upper  
75 100  
77 31.6 24.6 37.0

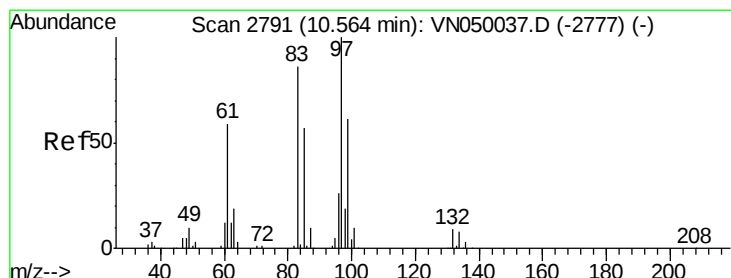
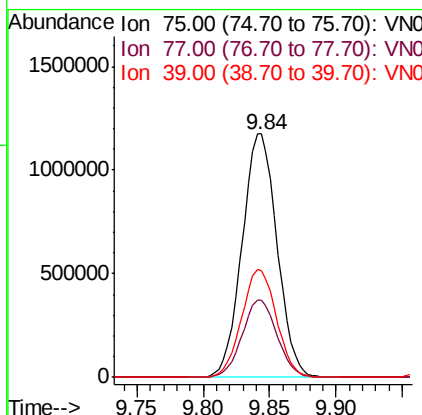
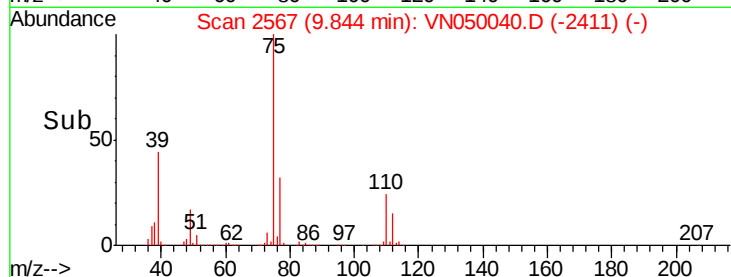
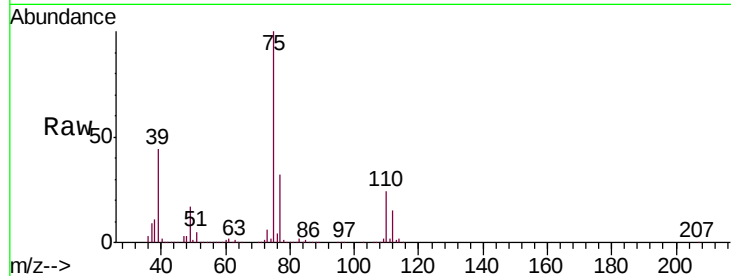




#49  
 cis-1,3-Dichloropropene  
 Concen: 157.258 ug/l  
 RT: 9.84 min Scan# 2567  
 Delta R.T. 0.00 min  
 Lab File: VN050040.D  
 Acq: 25 Jul 2018 10:11

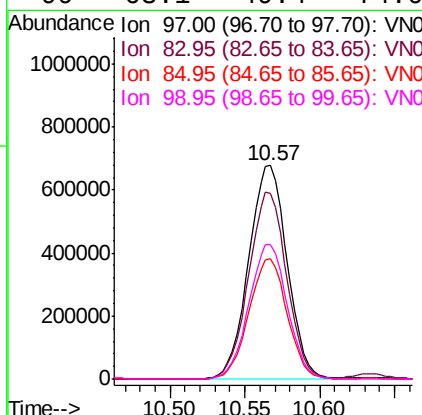
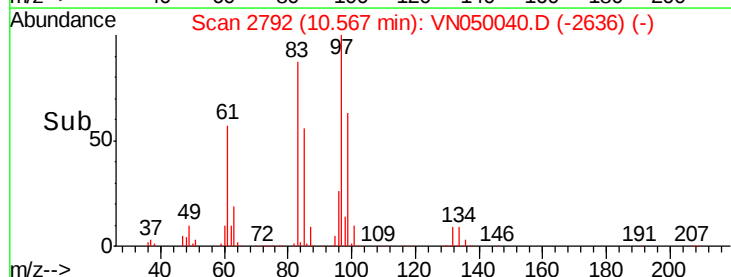
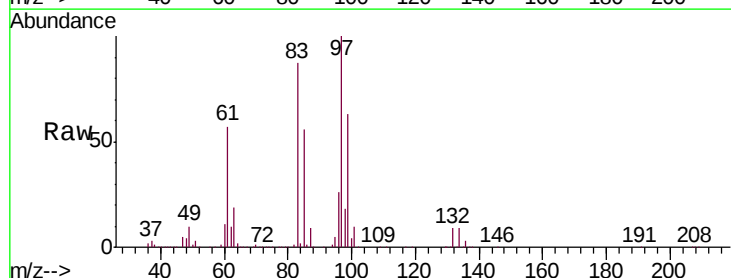
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC150

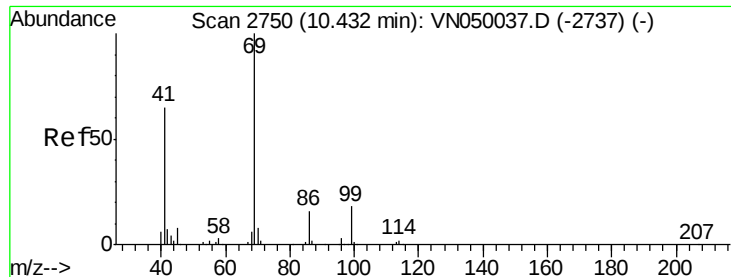
Tgt Ion: 75 Resp: 2147584  
 Ion Ratio Lower Upper  
 75 100  
 77 31.9 25.7 38.5  
 39 44.0 36.3 54.5



#50  
 1,1,2-Trichloroethane  
 Concen: 146.319 ug/l  
 RT: 10.57 min Scan# 2792  
 Delta R.T. 0.00 min  
 Lab File: VN050040.D  
 Acq: 25 Jul 2018 10:11

Tgt Ion: 97 Resp: 1214079  
 Ion Ratio Lower Upper  
 97 100  
 83 87.2 68.1 102.1  
 85 56.2 45.4 68.2  
 99 63.1 49.4 74.0





#51

Ethyl methacrylate

Concen: 168.942 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC150

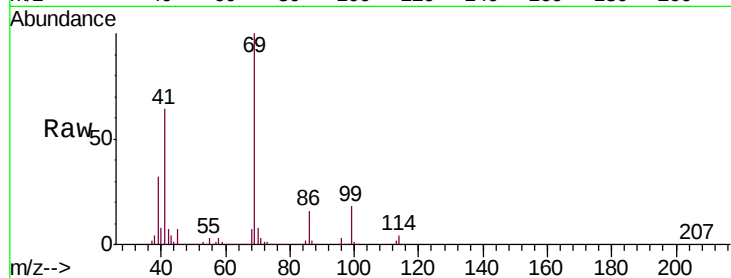
Tgt Ion: 69 Resp: 1701445

Ion Ratio Lower Upper

69 100

41 63.7 31.9 95.9

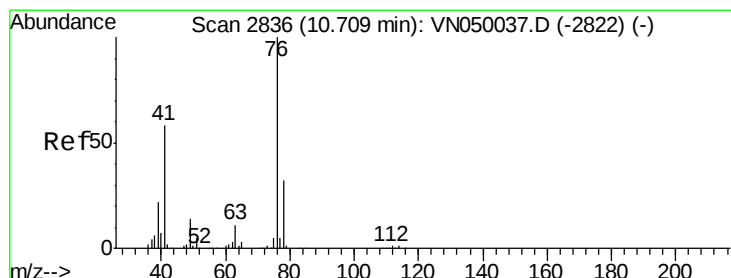
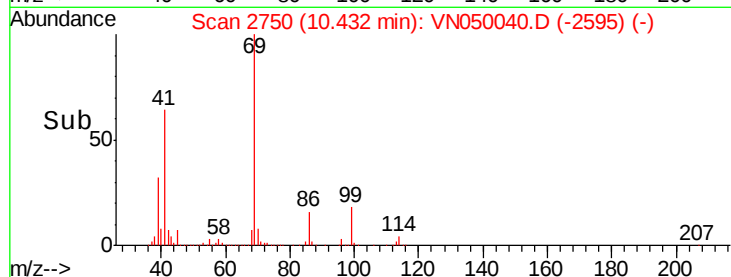
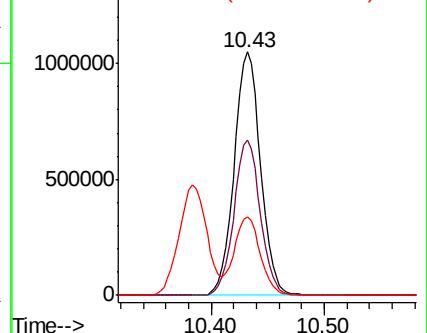
39 32.1 16.7 50.1



Abundance Ion 69.00 (68.70 to 69.70): VN050037.D (-2737) (-)

Ion 41.00 (40.70 to 41.70): VN050037.D (-2737) (-)

Ion 39.00 (38.70 to 39.70): VN050037.D (-2737) (-)



#52

1,3-Dichloropropane

Concen: 149.621 ug/l

RT: 10.71 min Scan# 2837

Delta R.T. 0.00 min

Lab File: VN050040.D

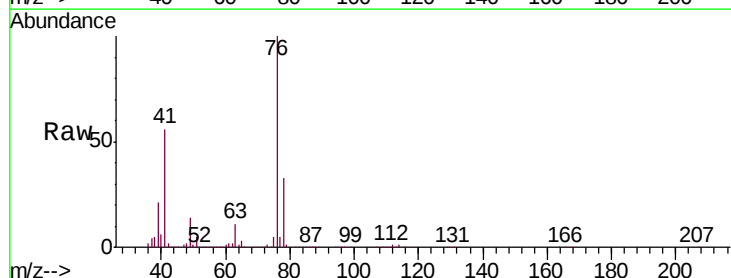
Acq: 25 Jul 2018 10:11

Tgt Ion: 76 Resp: 2038657

Ion Ratio Lower Upper

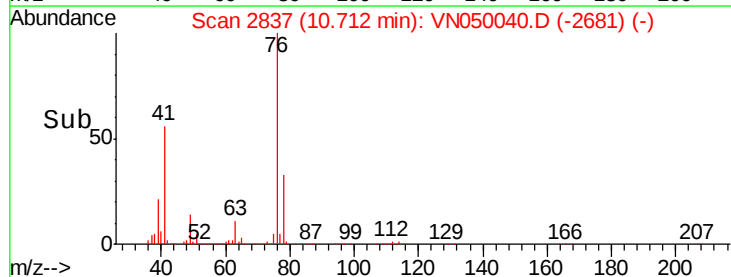
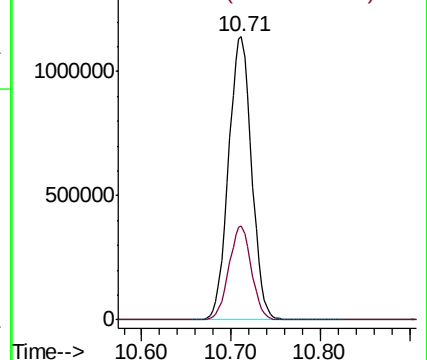
76 100

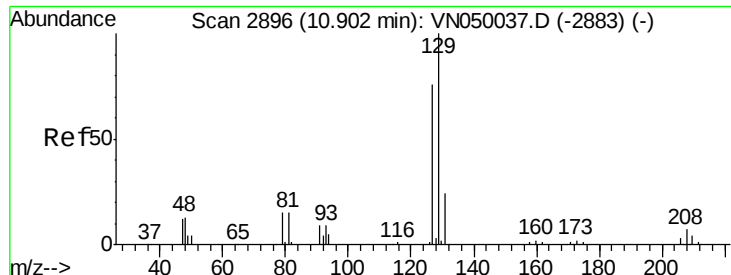
78 32.4 0.0 65.6



Abundance Ion 76.00 (75.70 to 76.70): VN050037.D (-2822) (-)

Ion 78.00 (77.70 to 78.70): VN050037.D (-2822) (-)





#53

Dibromochloromethane

Concen: 151.896 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA\_N

ClientSampleId :

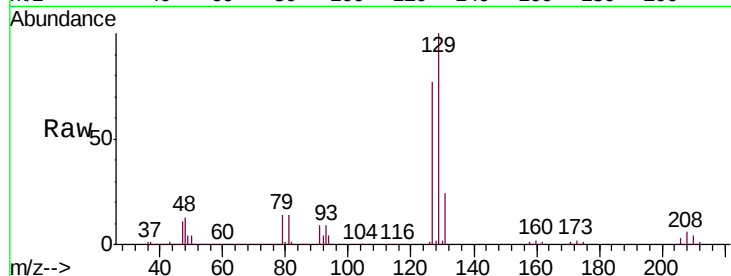
VSTDIC150

Tgt Ion:129 Resp: 1430340

Ion Ratio Lower Upper

129 100

127 76.5 38.1 114.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

800000

10.90

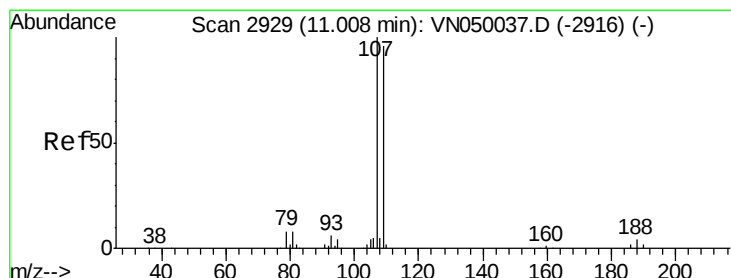
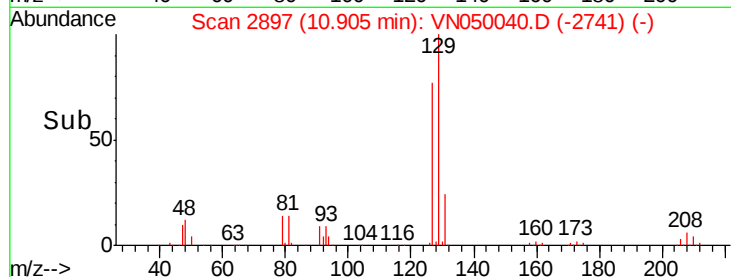
600000

400000

200000

0

Time--> 10.80 10.90 11.00



#54

1,2-Dibromoethane

Concen: 153.739 ug/l

RT: 11.01 min Scan# 2930

Delta R.T. 0.00 min

Lab File: VN050040.D

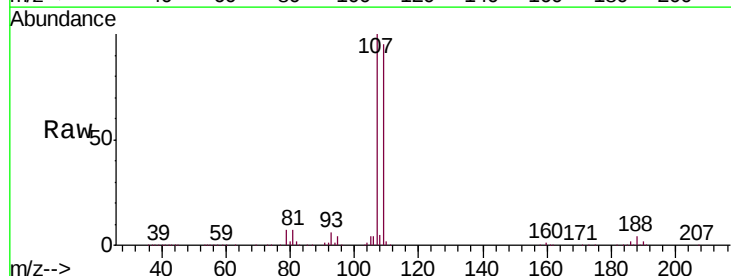
Acq: 25 Jul 2018 10:11

Tgt Ion:107 Resp: 1249344

Ion Ratio Lower Upper

107 100

109 94.9 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

800000

11.01

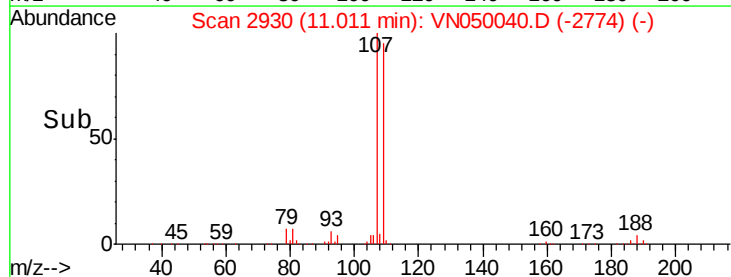
600000

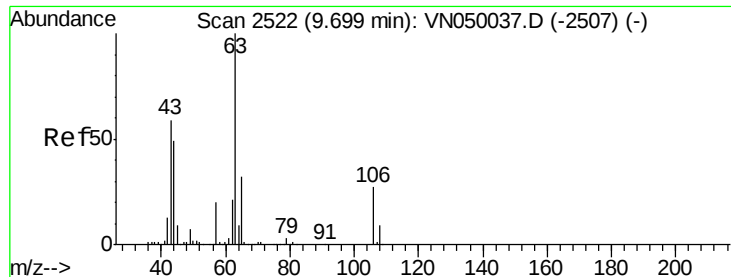
400000

200000

0

Time--> 10.90 11.00 11.10

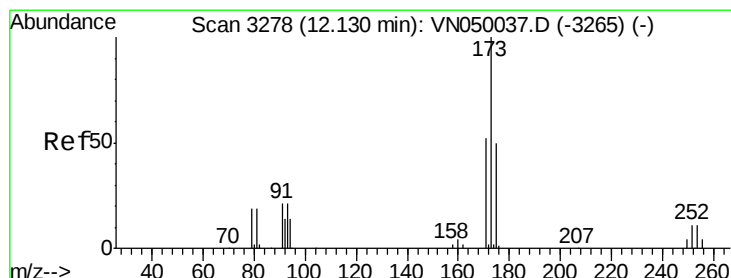
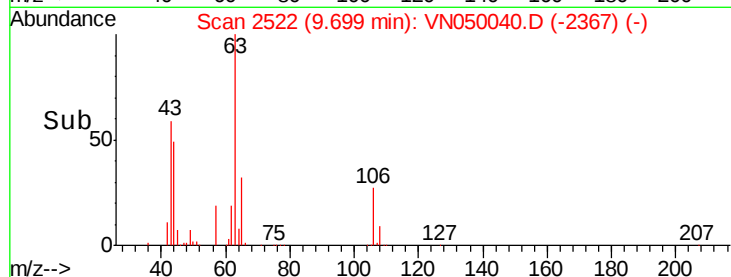
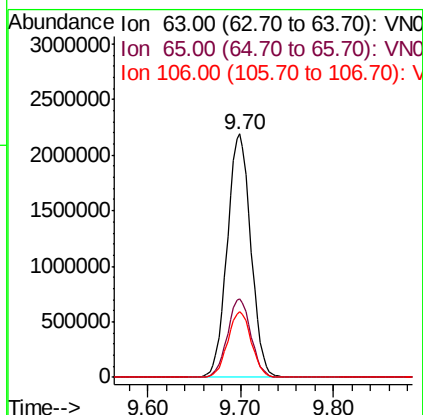
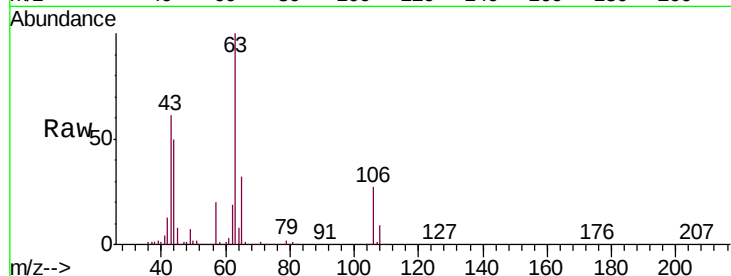




#55  
2-Chloroethyl vinyl ether  
Concen: 848.625 ug/l  
RT: 9.70 min Scan# 2522  
Delta R.T. -0.00 min  
Lab File: VN050040.D  
Acq: 25 Jul 2018 10:11

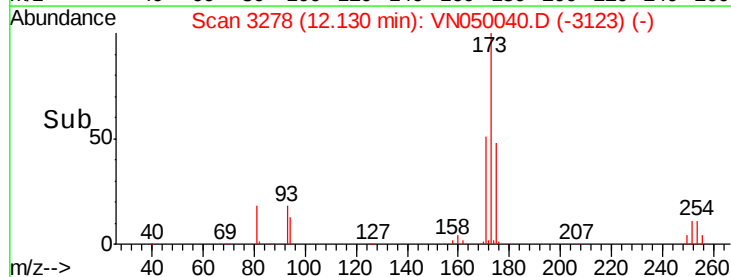
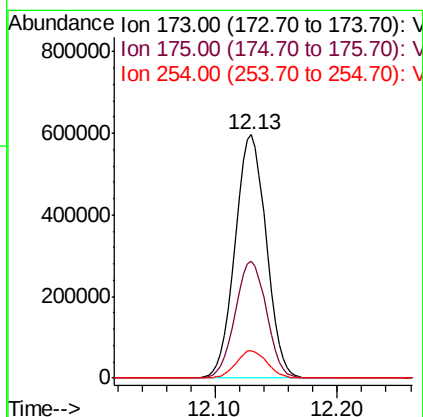
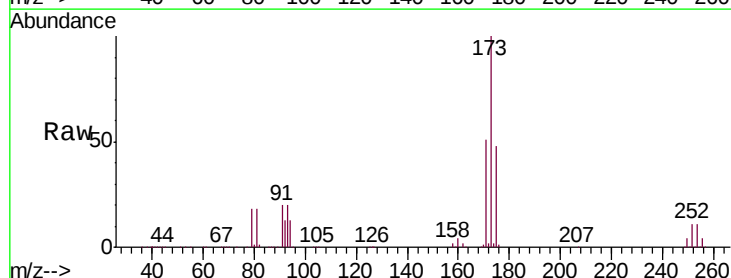
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

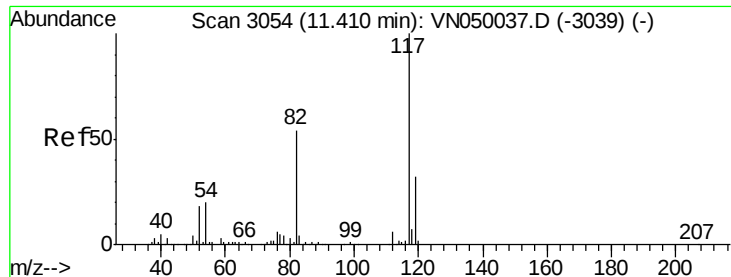
Tgt Ion: 63 Resp: 3868045  
Ion Ratio Lower Upper  
63 100  
65 32.1 25.5 38.3  
106 26.9 21.8 32.6



#56  
Bromoform  
Concen: 158.236 ug/l  
RT: 12.13 min Scan# 3278  
Delta R.T. -0.00 min  
Lab File: VN050040.D  
Acq: 25 Jul 2018 10:11

Tgt Ion: 173 Resp: 1052139  
Ion Ratio Lower Upper  
173 100  
175 48.3 38.6 57.8  
254 11.3 8.8 13.2

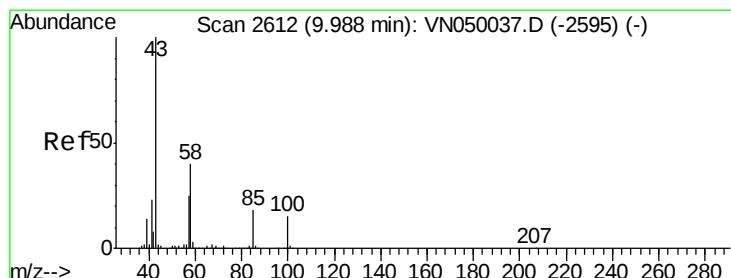
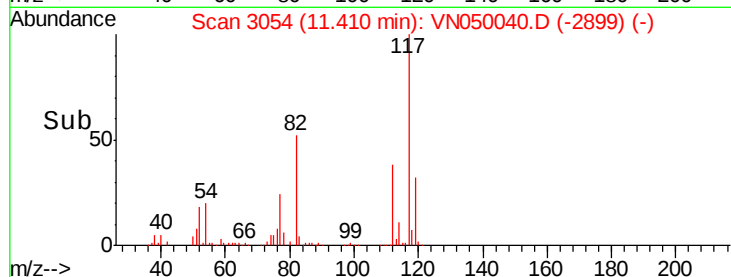
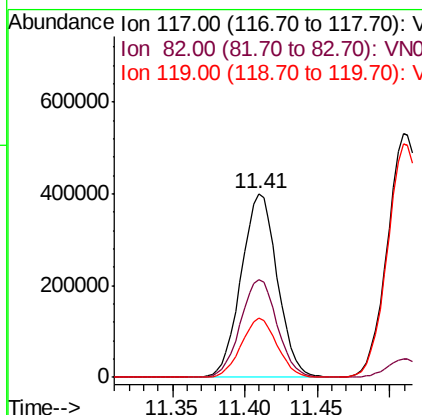
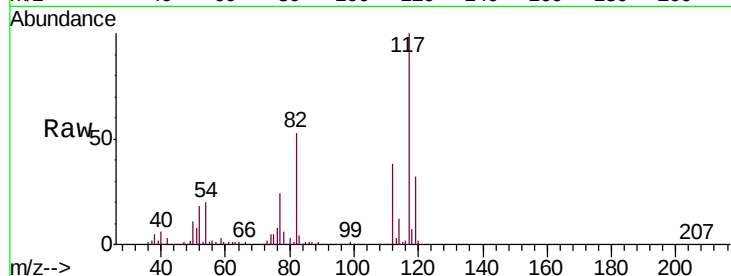




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN050040.D  
Acq: 25 Jul 2018 10:11

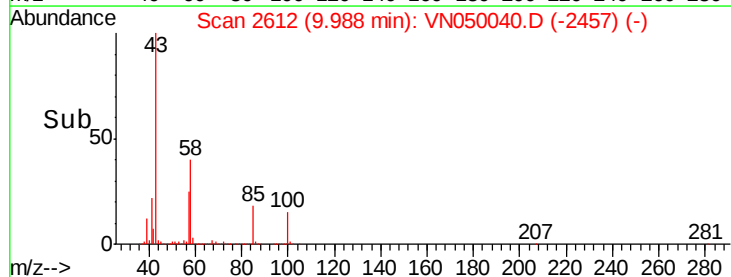
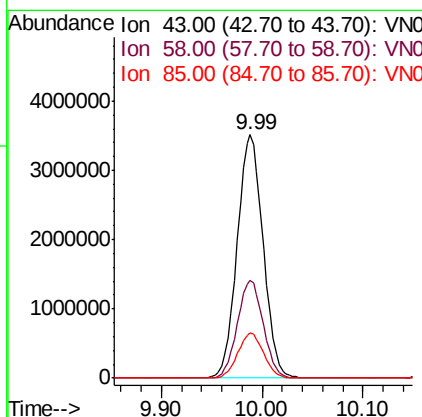
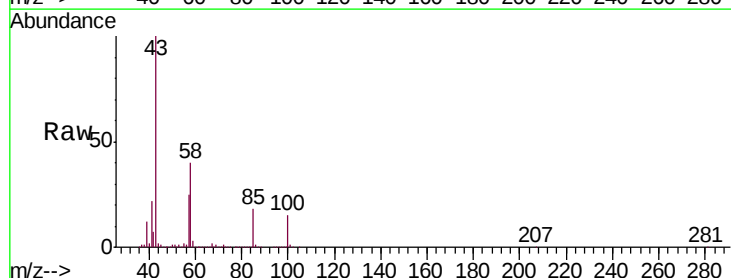
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

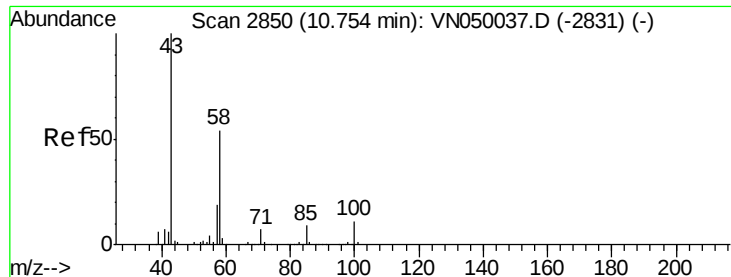
Tgt Ion: 117 Resp: 694905  
Ion Ratio Lower Upper  
117 100  
82 53.7 42.4 63.6  
119 31.8 25.4 38.0



#58  
4-Methyl-2-Pentanone  
Concen: 771.531 ug/l  
RT: 9.99 min Scan# 2612  
Delta R.T. -0.00 min  
Lab File: VN050040.D  
Acq: 25 Jul 2018 10:11

Tgt Ion: 43 Resp: 6238521  
Ion Ratio Lower Upper  
43 100  
58 40.2 31.2 46.8  
85 18.4 14.4 21.6

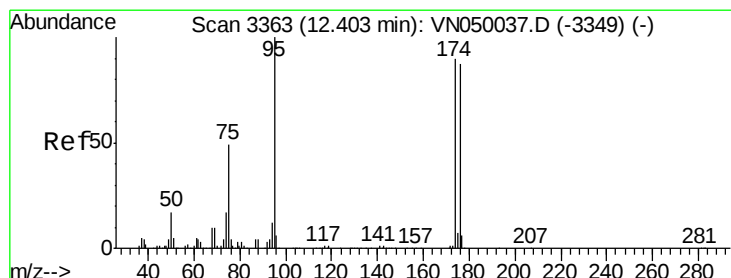
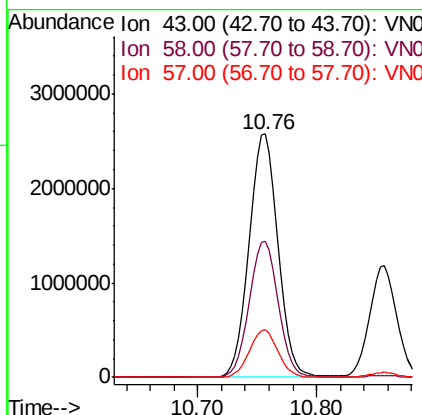
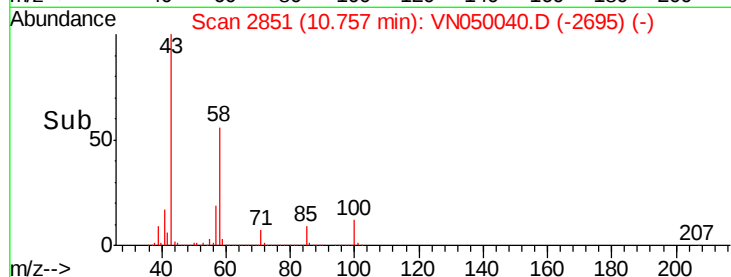
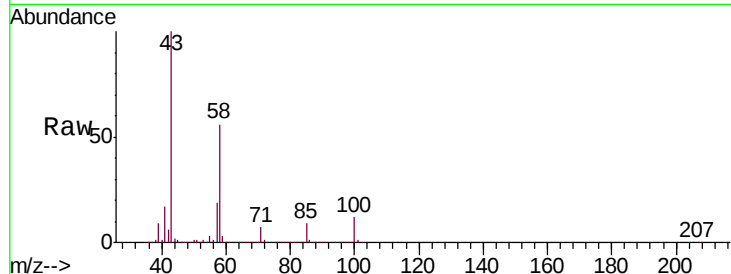




#59  
2-Hexanone  
Concen: 788.931 ug/l  
RT: 10.76 min Scan# 2851  
Delta R.T. 0.00 min  
Lab File: VN050040.D  
Acq: 25 Jul 2018 10:11

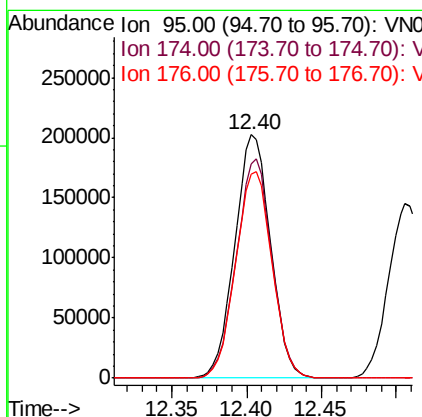
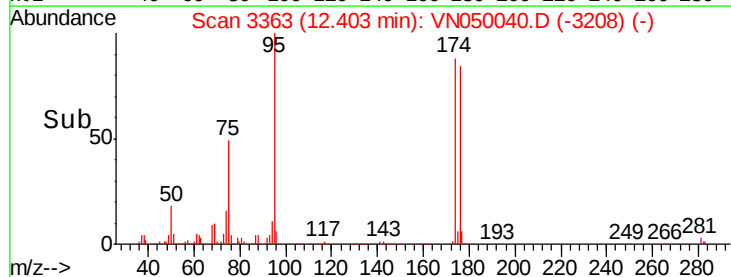
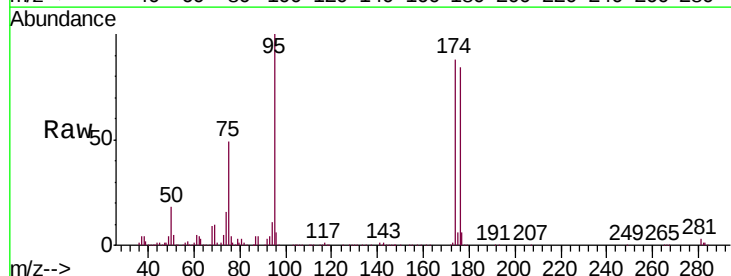
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

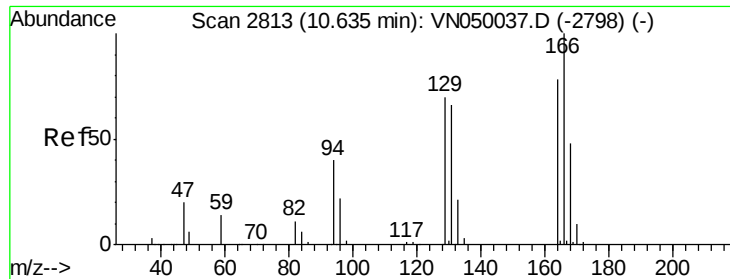
Tgt Ion: 43 Resp: 4352024  
Ion Ratio Lower Upper  
43 100  
58 56.1 43.8 65.8  
57 19.3 15.1 22.7



#60  
4-Bromofluorobenzene  
Concen: 31.515 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. -0.00 min  
Lab File: VN050040.D  
Acq: 25 Jul 2018 10:11

Tgt Ion: 95 Resp: 336450  
Ion Ratio Lower Upper  
95 100  
174 89.6 72.3 108.5  
176 86.3 70.0 105.0





#61

Tetrachloroethene

Concen: 135.834 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC150

Tgt Ion:164 Resp: 1278538

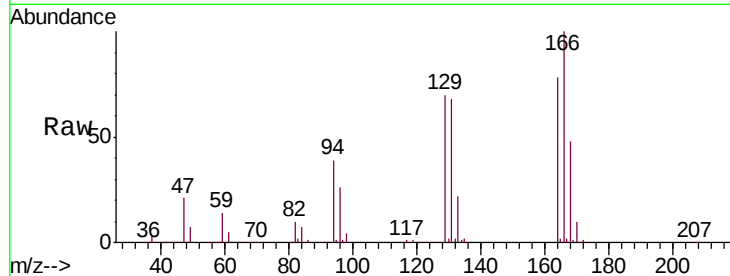
Ion Ratio Lower Upper

164 100

166 128.3 100.0 150.0

129 90.2 69.3 103.9

131 87.0 68.8 103.2

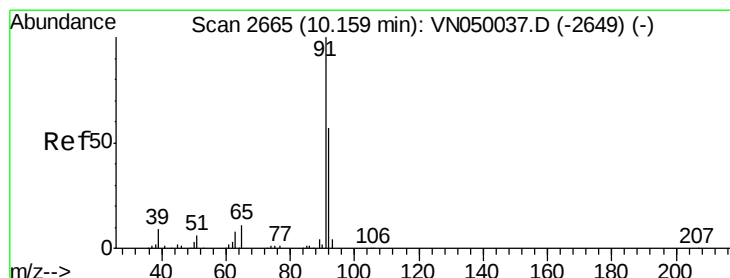
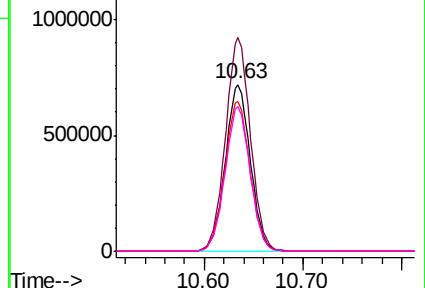
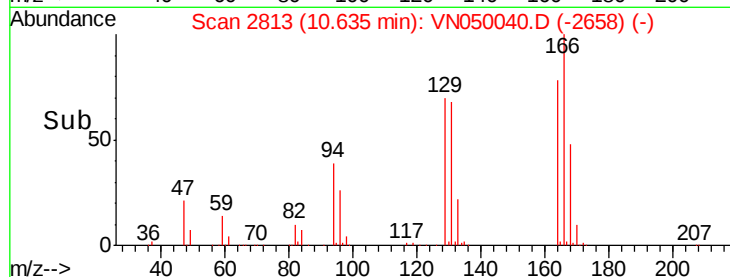


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 144.167 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. -0.00 min

Lab File: VN050040.D

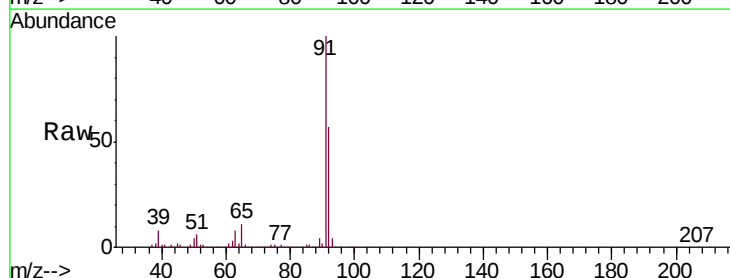
Acq: 25 Jul 2018 10:11

Tgt Ion: 91 Resp: 5715814

Ion Ratio Lower Upper

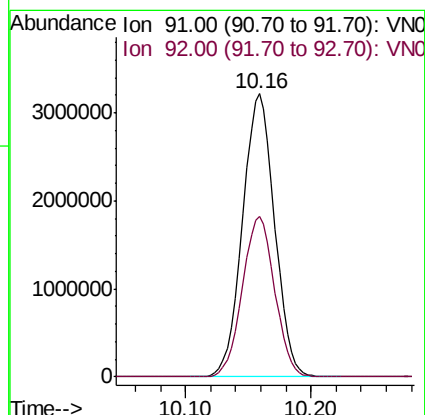
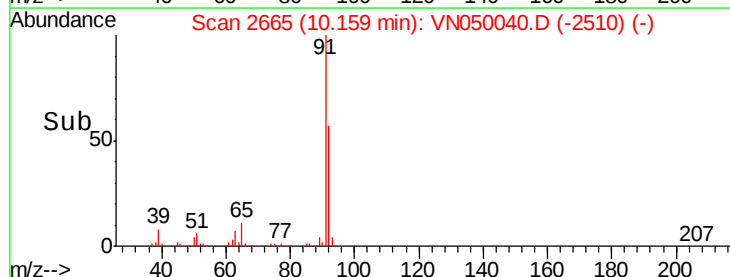
91 100

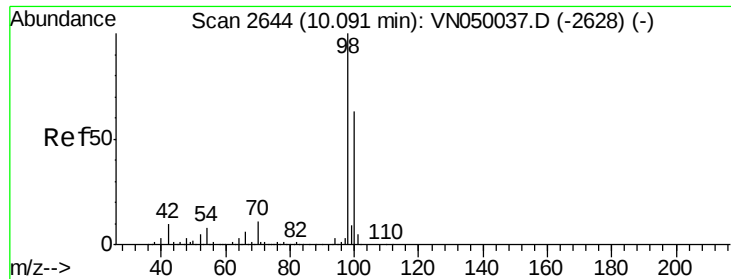
92 57.1 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 28.892 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA\_N

ClientSampleId :

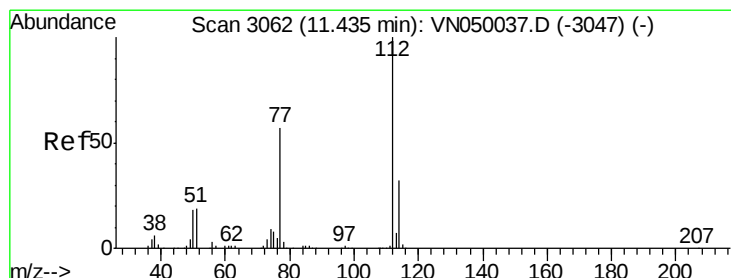
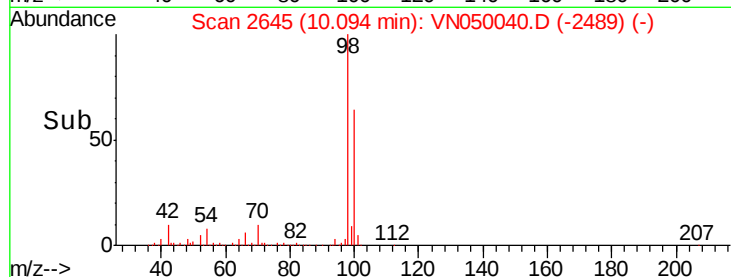
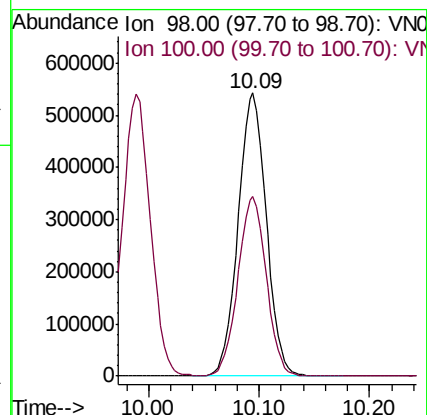
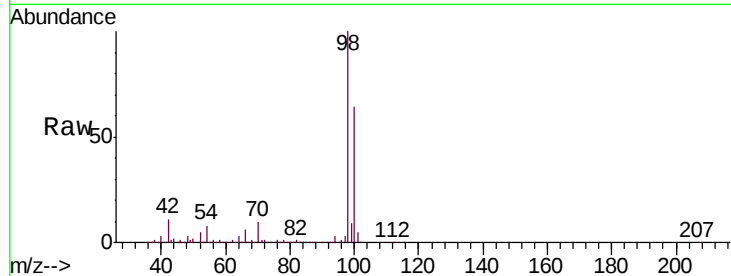
VSTDIC150

Tgt Ion: 98 Resp: 959006

Ion Ratio Lower Upper

98 100

100 64.0 51.2 76.8



#64

Chlorobenzene

Concen: 148.707 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050040.D

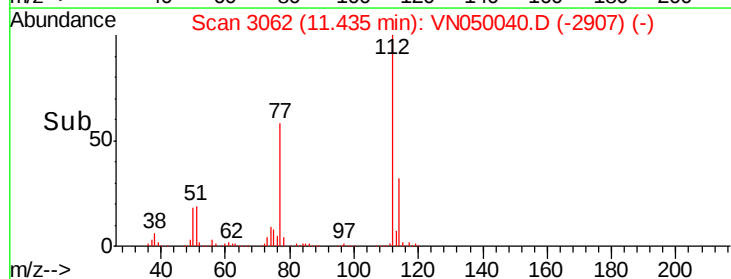
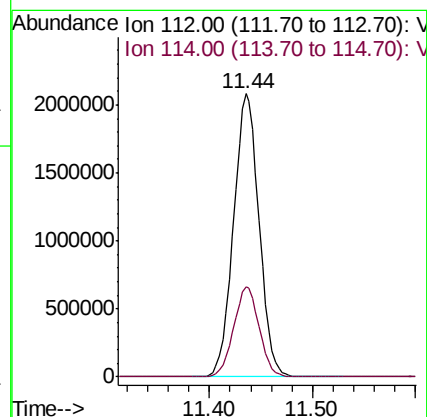
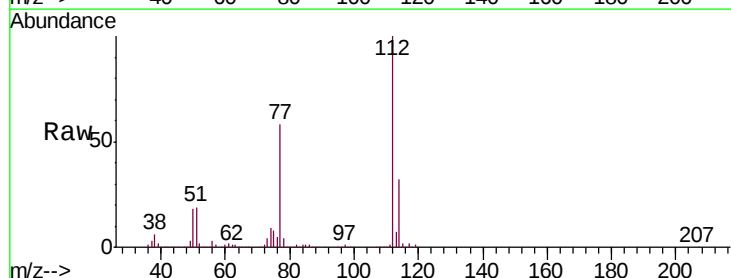
Acq: 25 Jul 2018 10:11

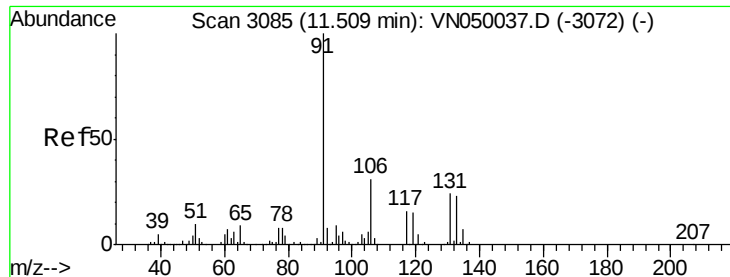
Tgt Ion: 112 Resp: 3575184

Ion Ratio Lower Upper

112 100

114 32.0 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 143.419 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC150

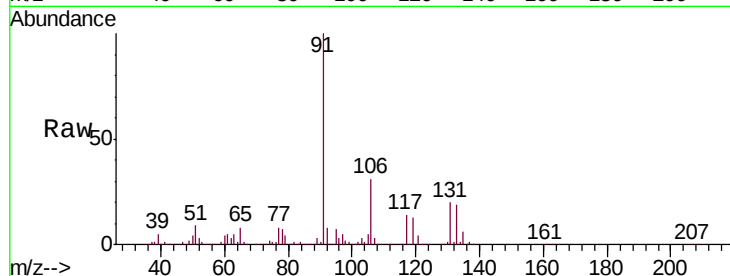
Tgt Ion:131 Resp: 1344903

Ion Ratio Lower Upper

131 100

133 95.7 0.0 190.0

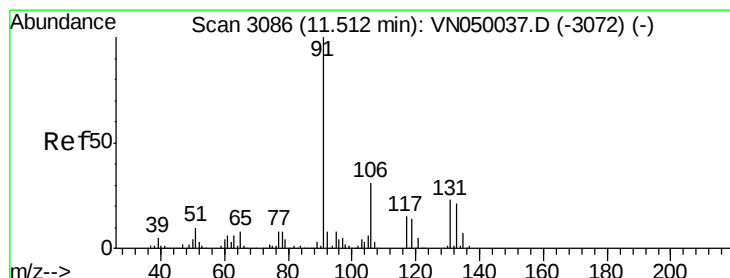
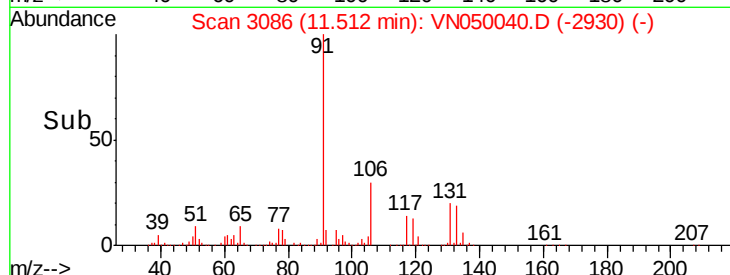
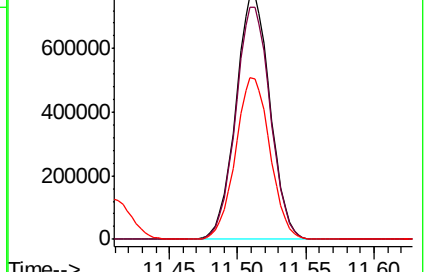
119 66.1 0.0 131.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 157.429 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050040.D

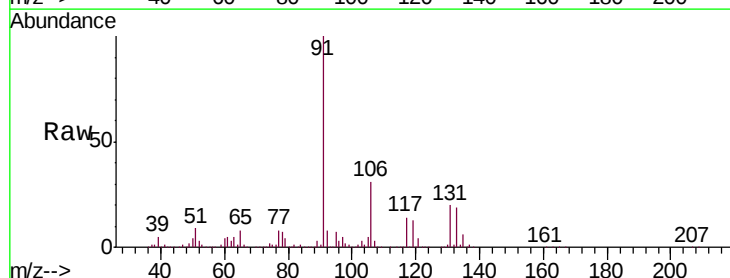
Acq: 25 Jul 2018 10:11

Tgt Ion: 91 Resp: 6378497

Ion Ratio Lower Upper

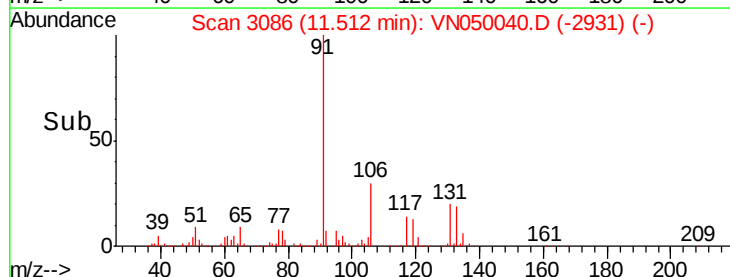
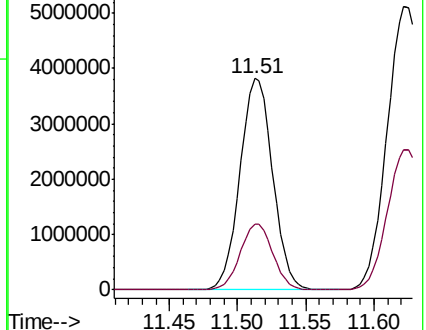
91 100

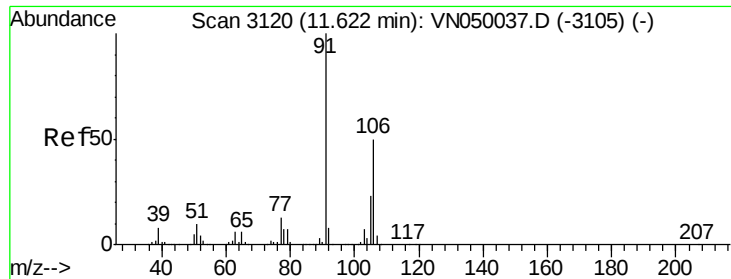
106 31.0 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 309.155 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA\_N

ClientSampleId :

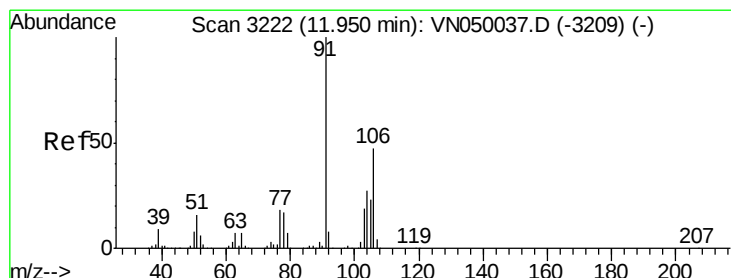
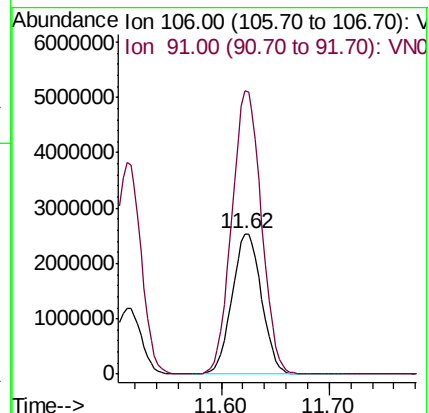
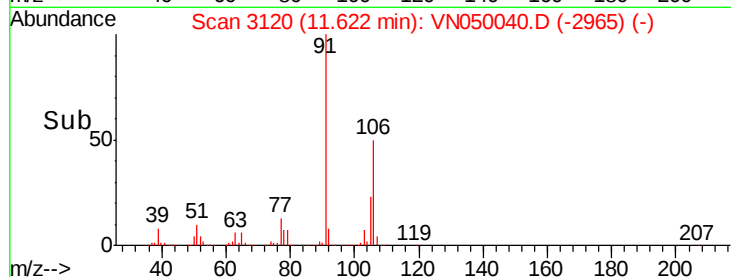
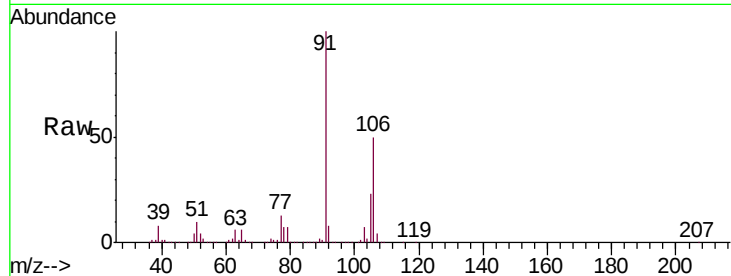
VSTDIC150

Tgt Ion:106 Resp: 4820489

Ion Ratio Lower Upper

106 100

91 202.7 162.5 243.7



#68

o-Xylene

Concen: 157.543 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN050040.D

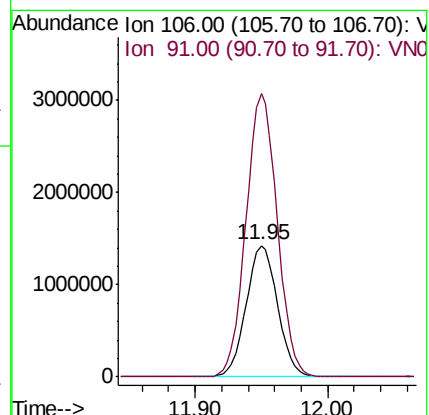
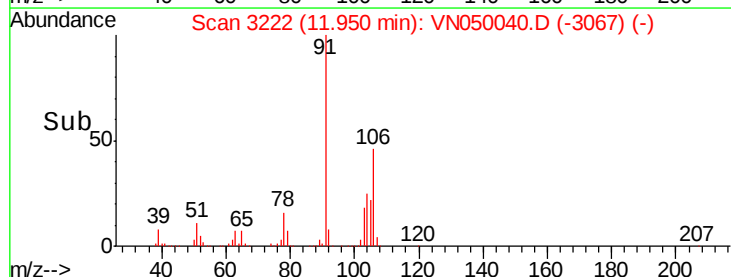
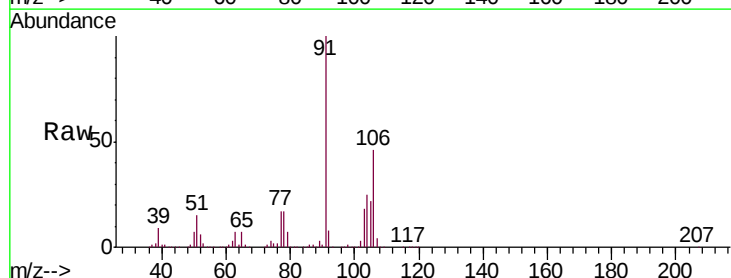
Acq: 25 Jul 2018 10:11

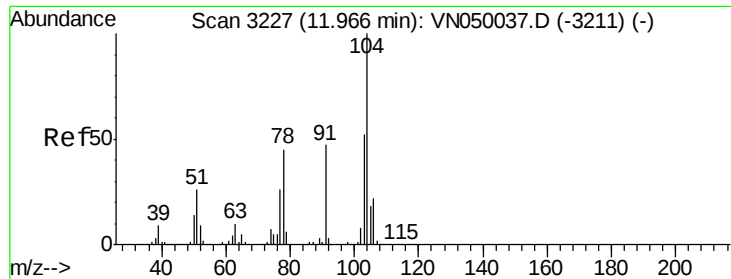
Tgt Ion:106 Resp: 2337200

Ion Ratio Lower Upper

106 100

91 214.2 106.8 320.4

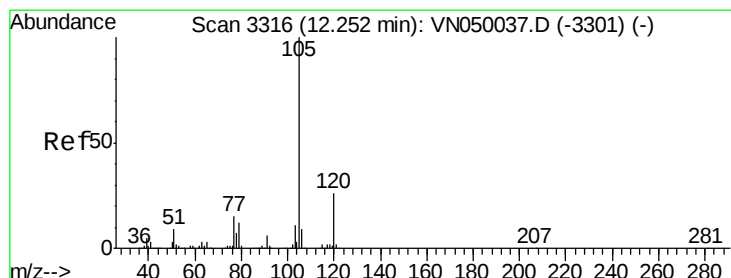
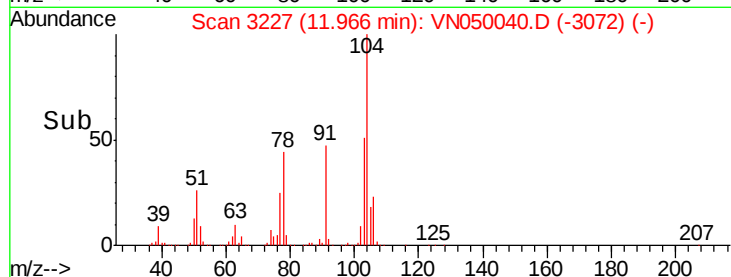
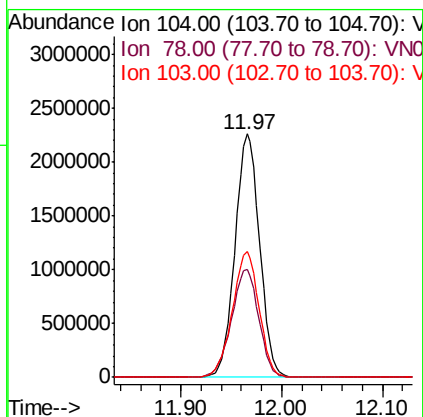
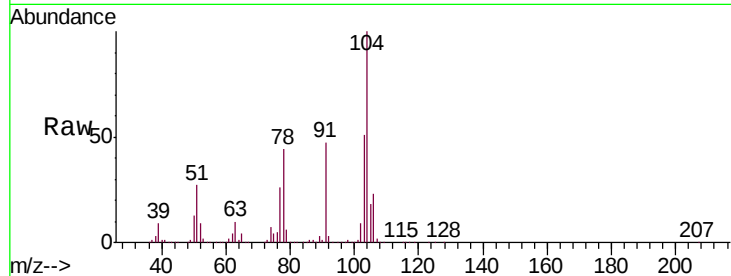




#69  
Styrene  
Concen: 161.077 ug/l  
RT: 11.97 min Scan# 3227  
Delta R.T. -0.00 min  
Lab File: VN050040.D  
Acq: 25 Jul 2018 10:11

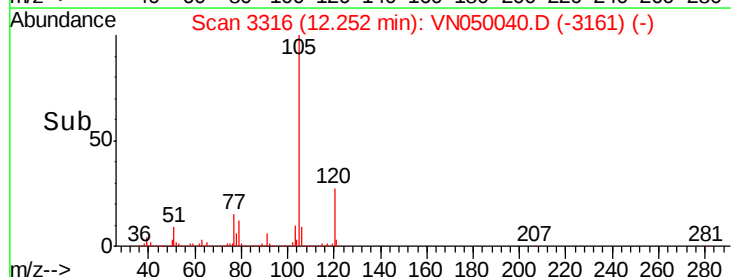
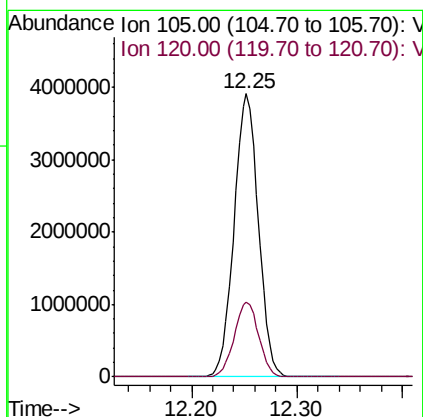
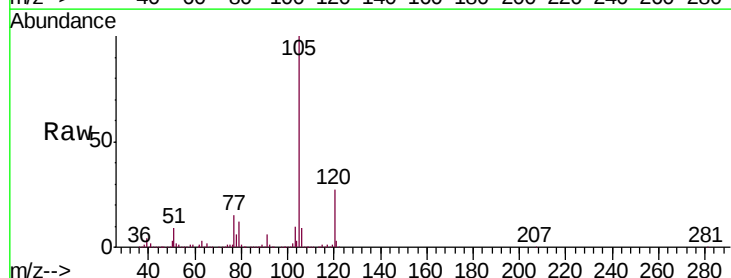
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

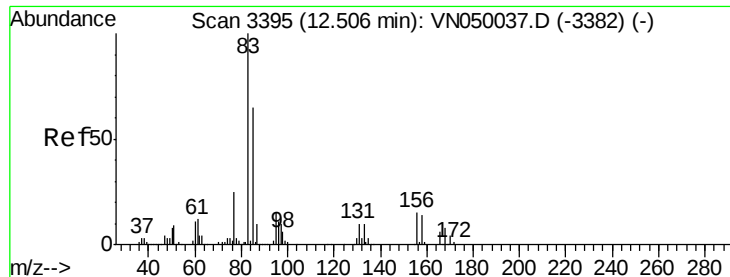
Tgt Ion:104 Resp: 3830812  
Ion Ratio Lower Upper  
104 100  
78 49.1 39.3 58.9  
103 55.8 44.5 66.7



#70  
Isopropylbenzene  
Concen: 157.021 ug/l  
RT: 12.25 min Scan# 3316  
Delta R.T. -0.00 min  
Lab File: VN050040.D  
Acq: 25 Jul 2018 10:11

Tgt Ion:105 Resp: 6203997  
Ion Ratio Lower Upper  
105 100  
120 26.6 18.9 35.1

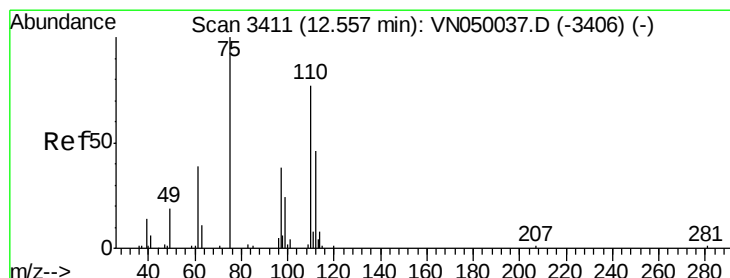
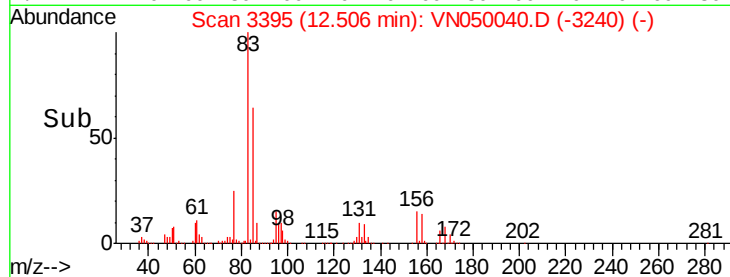
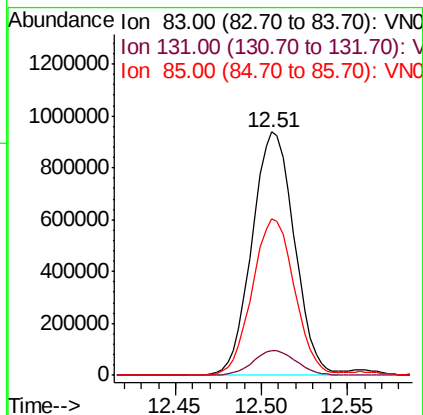
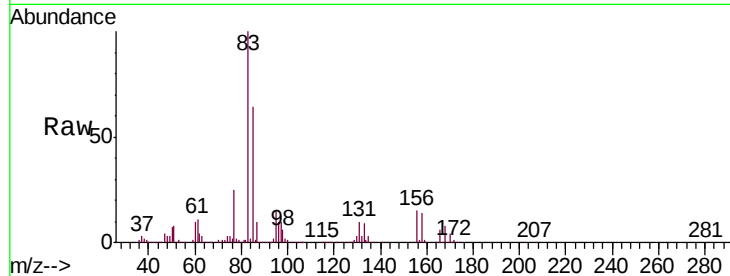




#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 147.641 ug/l  
 RT: 12.51 min Scan# 3395  
 Delta R.T. -0.00 min  
 Lab File: VN050040.D  
 Acq: 25 Jul 2018 10:11

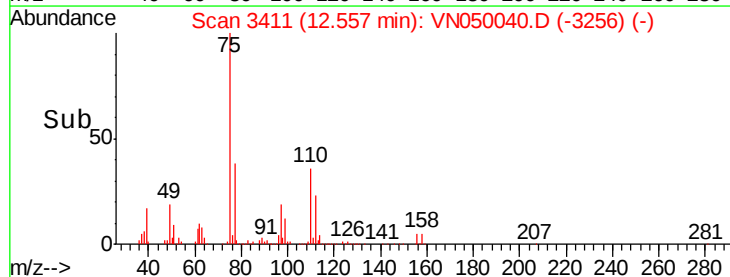
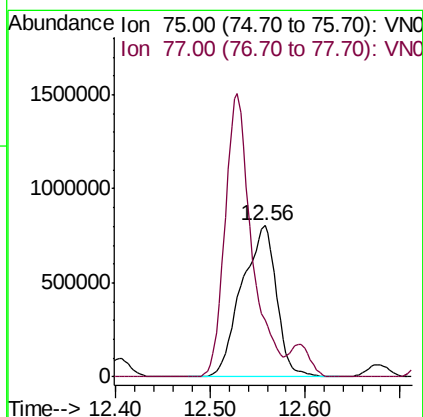
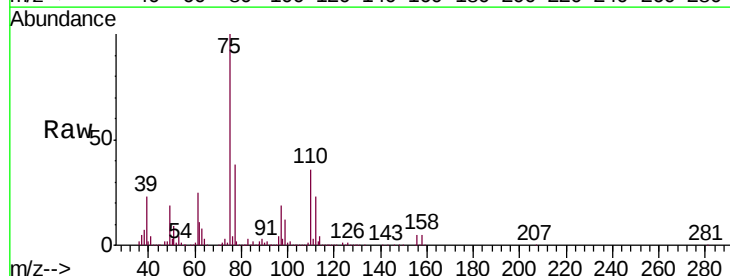
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC150

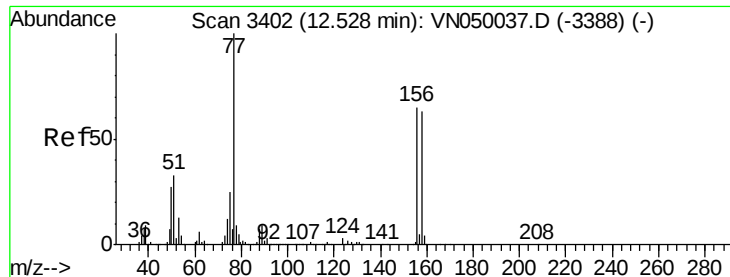
Tgt Ion: 83 Resp: 1601593  
 Ion Ratio Lower Upper  
 83 100  
 131 10.5 5.2 15.6  
 85 64.3 31.7 95.1



#72  
 1,2,3-Trichloropropane  
 Concen: 236.181 ug/l  
 RT: 12.56 min Scan# 3411  
 Delta R.T. -0.00 min  
 Lab File: VN050040.D  
 Acq: 25 Jul 2018 10:11

Tgt Ion: 75 Resp: 2057292  
 Ion Ratio Lower Upper  
 75 100  
 77 144.2 0.0 454.4





#73

Bromobenzene

Concen: 153.301 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC150

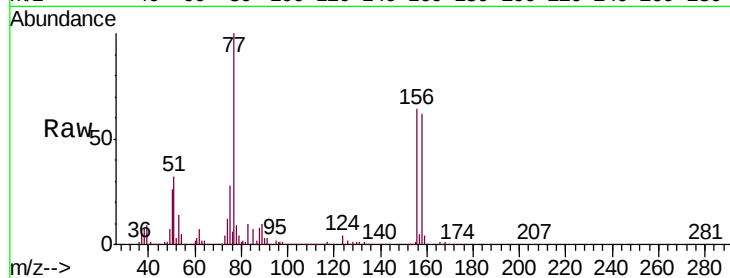
Tgt Ion:156 Resp: 1613502

Ion Ratio Lower Upper

156 100

77 183.9 0.0 359.8

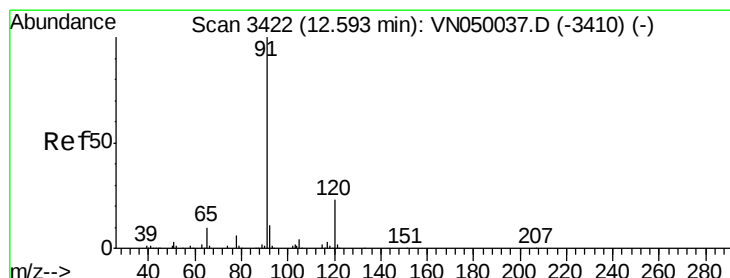
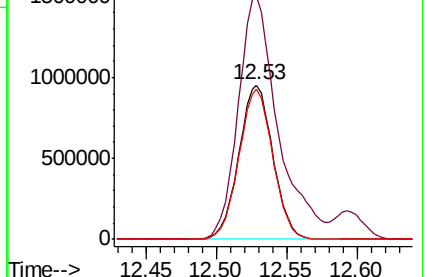
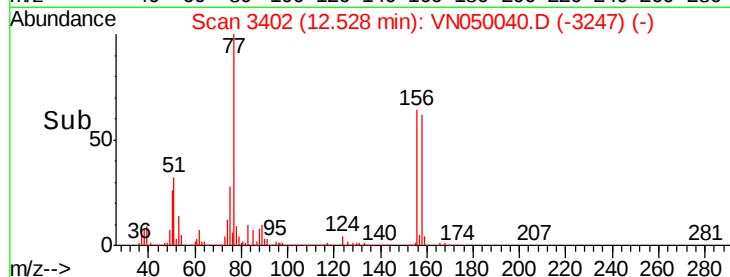
158 96.9 0.0 192.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 156.646 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050040.D

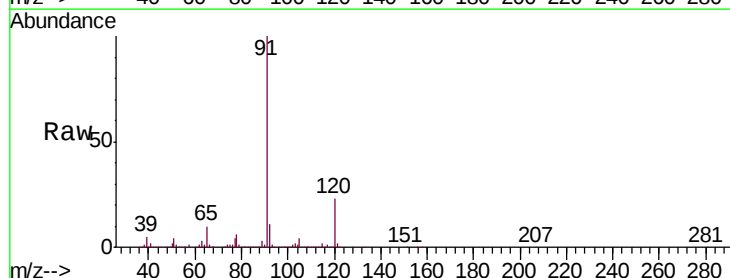
Acq: 25 Jul 2018 10:11

Tgt Ion: 91 Resp: 7208248

Ion Ratio Lower Upper

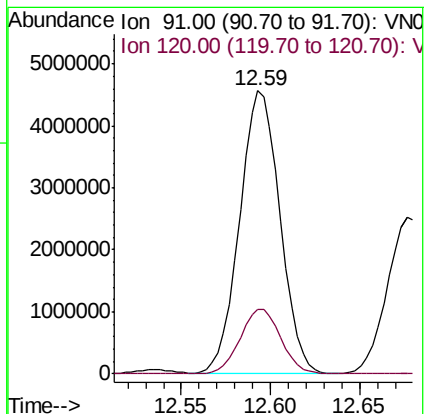
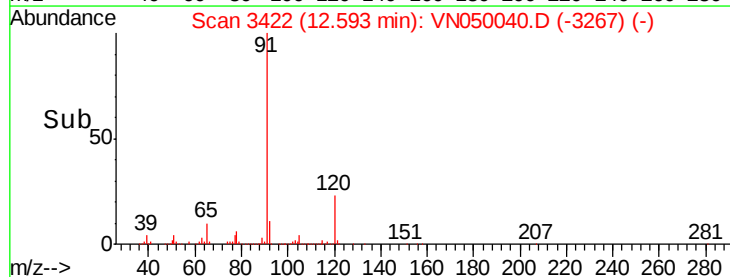
91 100

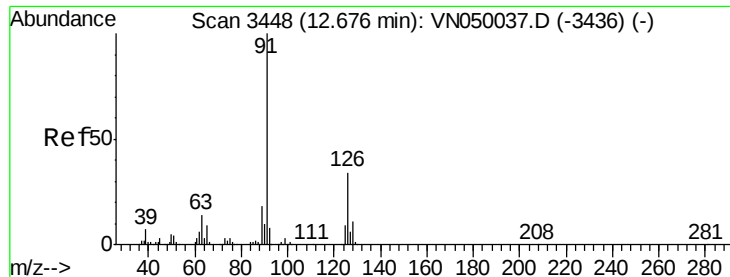
120 23.0 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 152.945 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA\_N

ClientSampleId :

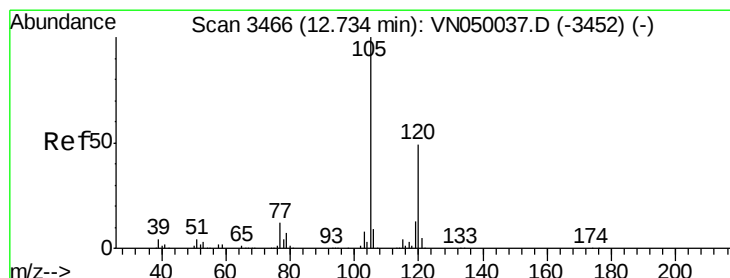
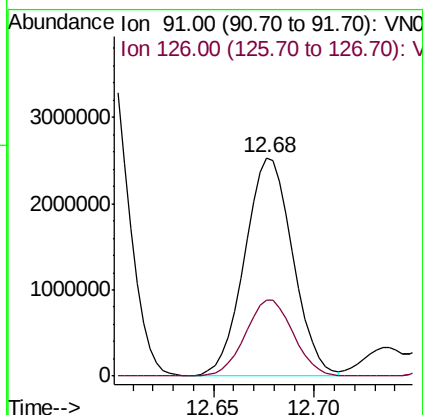
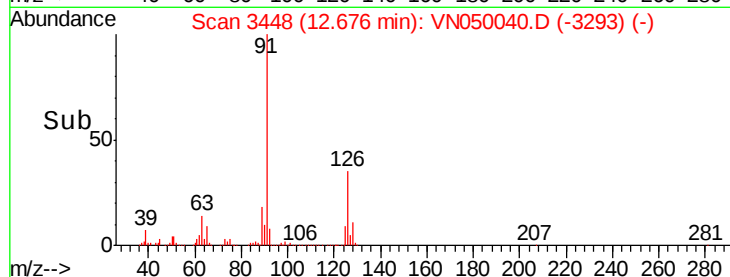
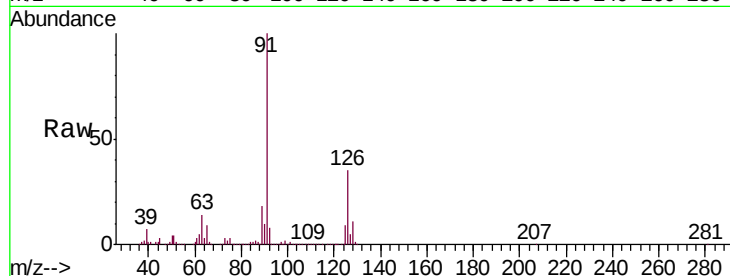
VSTDIC150

Tgt Ion: 91 Resp: 4227205

Ion Ratio Lower Upper

91 100

126 34.8 0.0 68.6



#76

1,3,5-Trimethylbenzene

Concen: 155.979 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050040.D

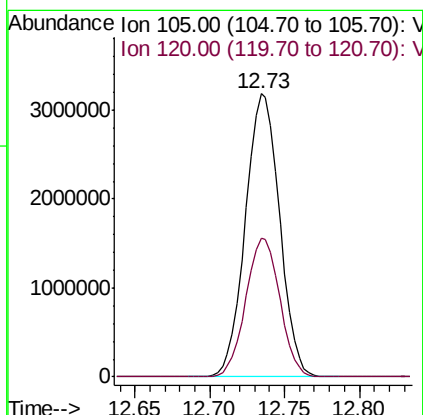
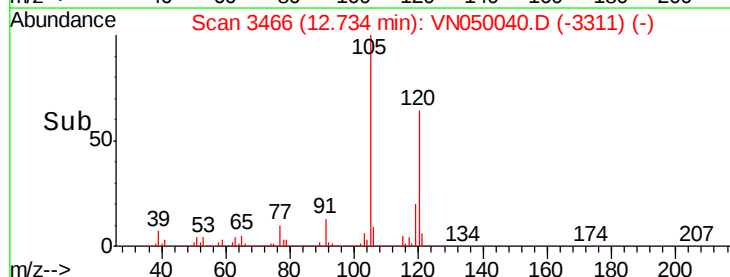
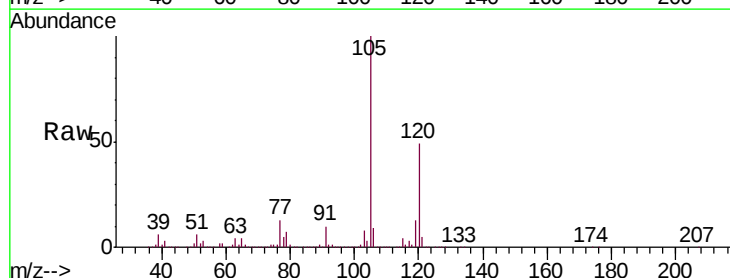
Acq: 25 Jul 2018 10:11

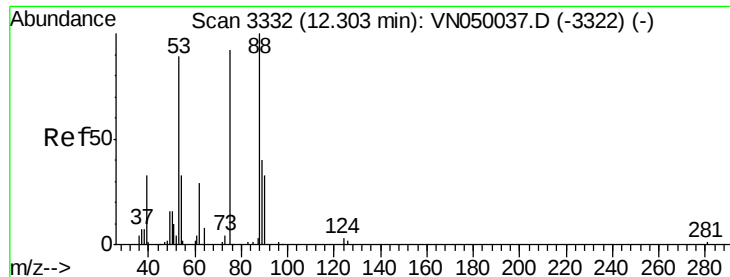
Tgt Ion: 105 Resp: 5061778

Ion Ratio Lower Upper

105 100

120 48.9 0.0 98.0





#77

t-1,4-Dichloro-2-butene

Concen: 170.876 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC150

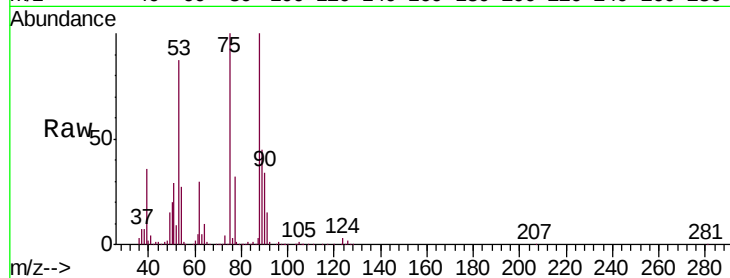
Tgt Ion: 75 Resp: 517614

Ion Ratio Lower Upper

75 100

53 86.7 44.6 134.0

89 44.8 20.7 62.1

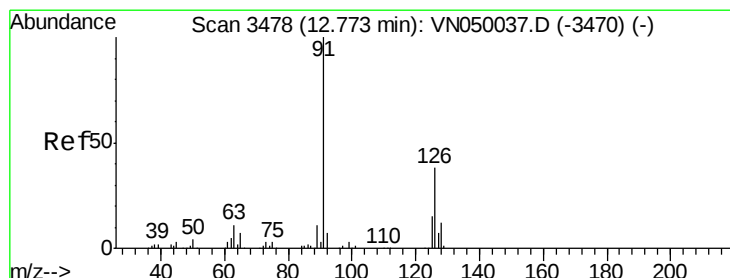
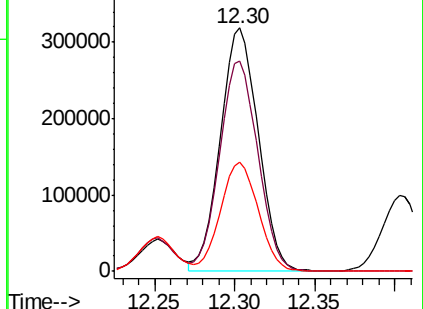
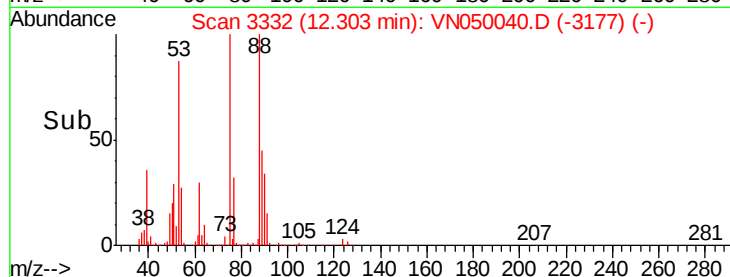


Abundance Ion 75.00 (74.70 to 75.70): VN050037.D (-3322) (-)

Ion 53.00 (52.70 to 53.70): VN050037.D (-3322) (-)

Ion 89.00 (88.70 to 89.70): VN050037.D (-3322) (-)

Time-->



#78

4-Chlorotoluene

Concen: 157.921 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050040.D

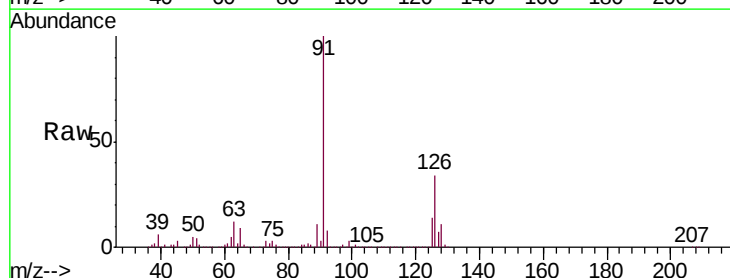
Acq: 25 Jul 2018 10:11

Tgt Ion: 91 Resp: 4325231

Ion Ratio Lower Upper

91 100

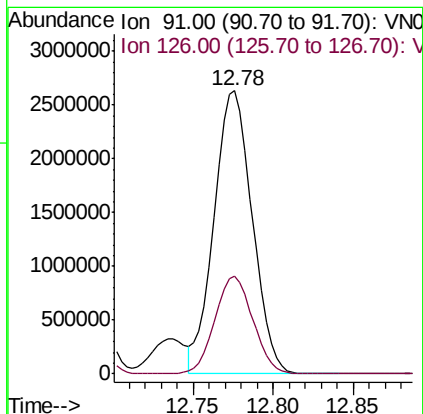
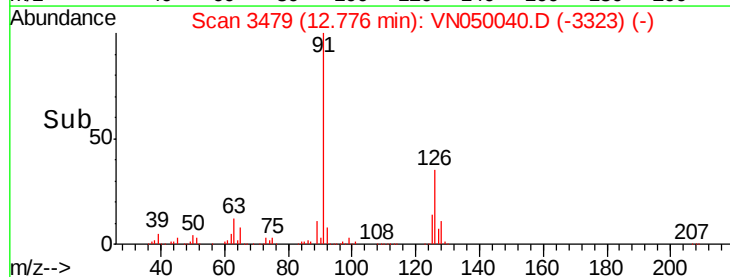
126 34.3 0.0 68.4

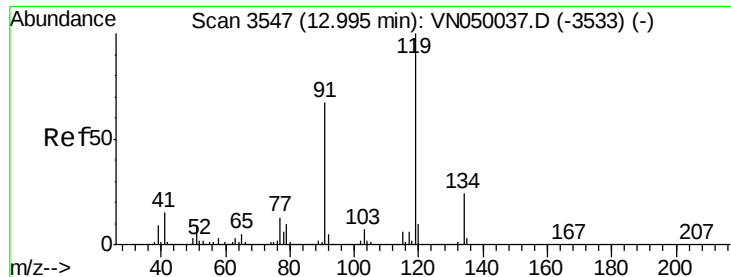


Abundance Ion 91.00 (90.70 to 91.70): VN050037.D (-3470) (-)

Ion 126.00 (125.70 to 126.70): VN050037.D (-3470) (-)

Time-->

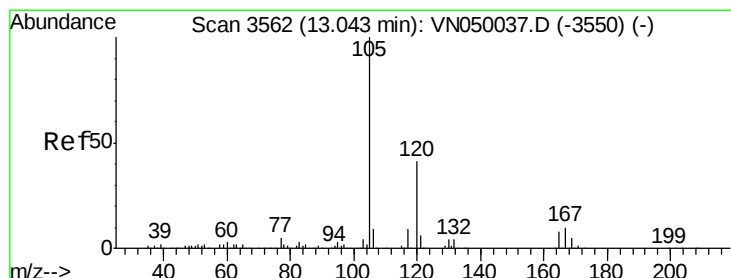
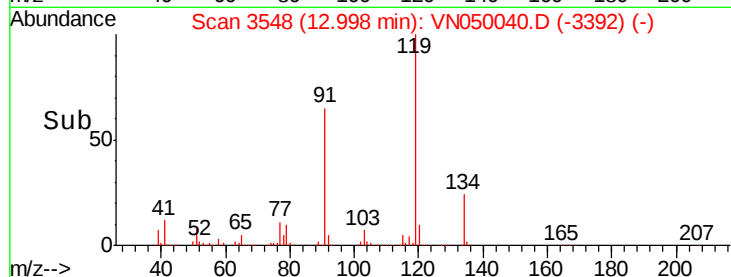
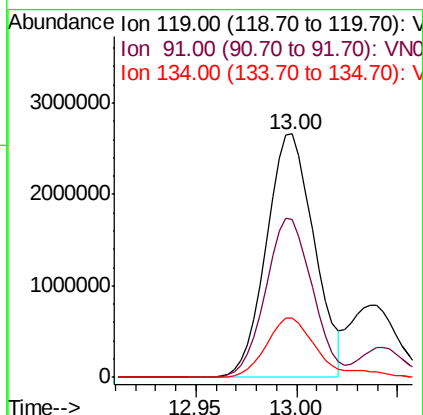
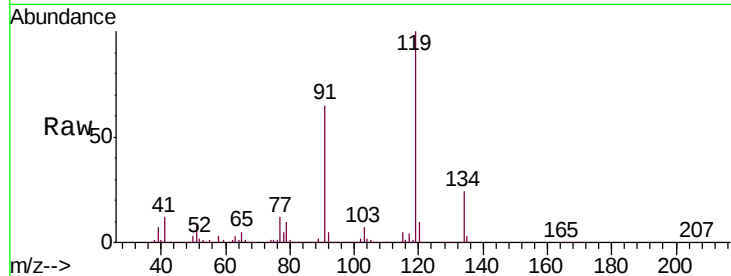




#79  
tert-butylbenzene  
Concen: 158.022 ug/l  
RT: 13.00 min Scan# 3548  
Delta R.T. 0.00 min  
Lab File: VN050040.D  
Acq: 25 Jul 2018 10:11

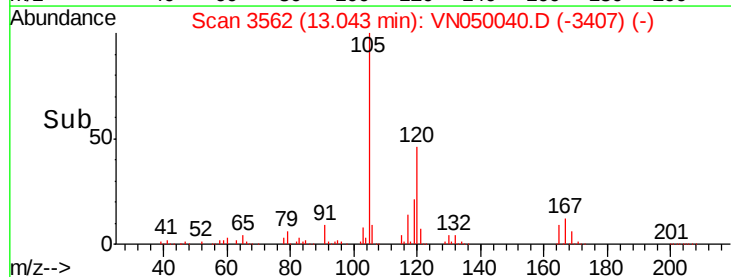
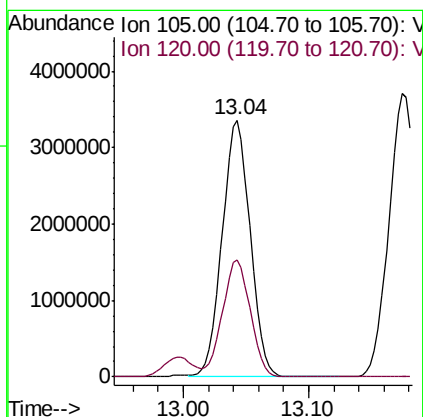
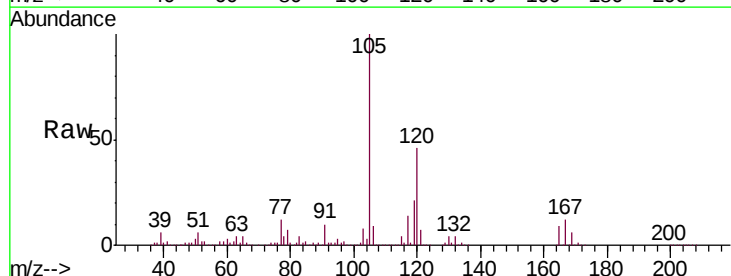
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

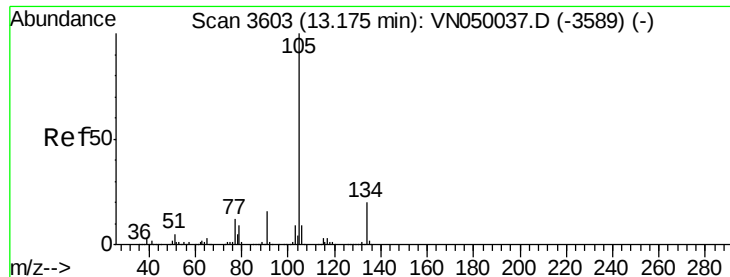
Tgt Ion:119 Resp: 4384263  
Ion Ratio Lower Upper  
119 100  
91 64.1 0.0 126.8  
134 24.6 0.0 47.4



#80  
1,2,4-Trimethylbenzene  
Concen: 157.675 ug/l  
RT: 13.04 min Scan# 3562  
Delta R.T. -0.00 min  
Lab File: VN050040.D  
Acq: 25 Jul 2018 10:11

Tgt Ion:105 Resp: 5184208  
Ion Ratio Lower Upper  
105 100  
120 45.6 0.0 90.6

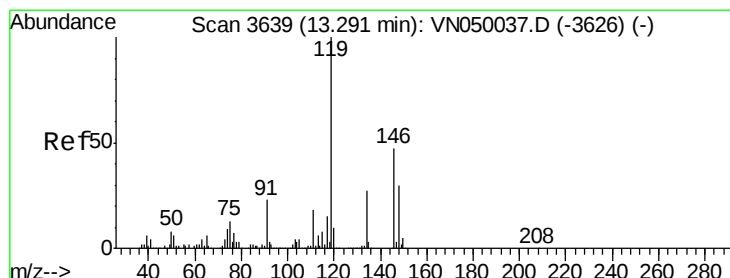
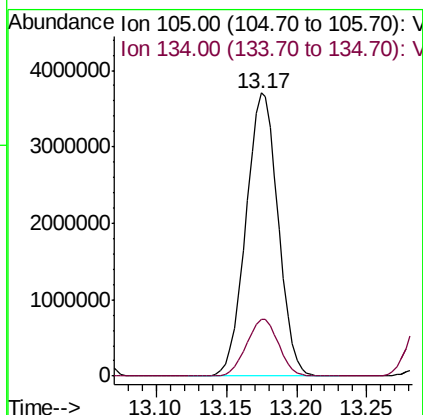
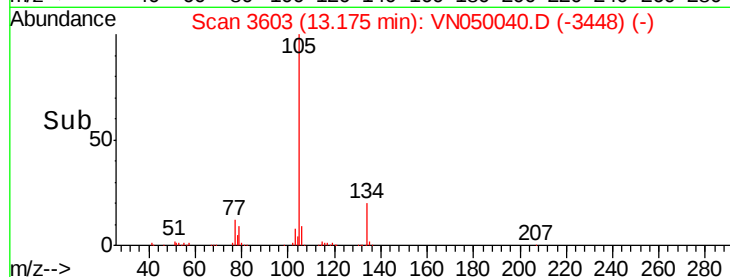
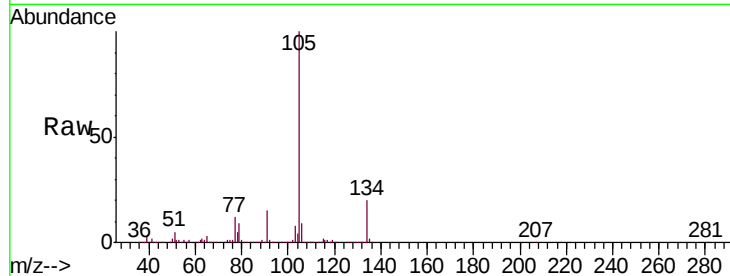




#81  
 sec-Butylbenzene  
 Concen: 156.809 ug/l  
 RT: 13.17 min Scan# 3603  
 Delta R.T. -0.00 min  
 Lab File: VN050040.D  
 Acq: 25 Jul 2018 10:11

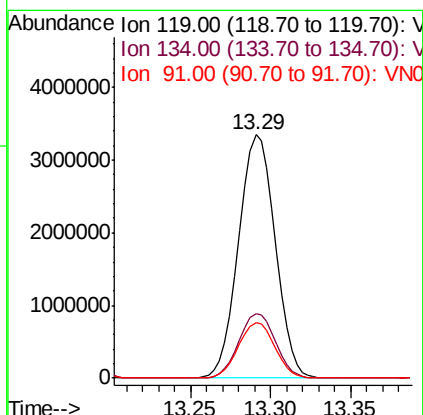
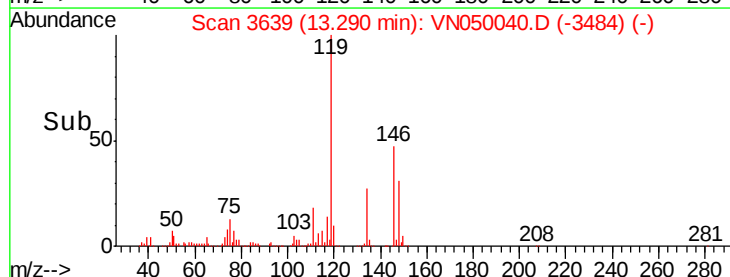
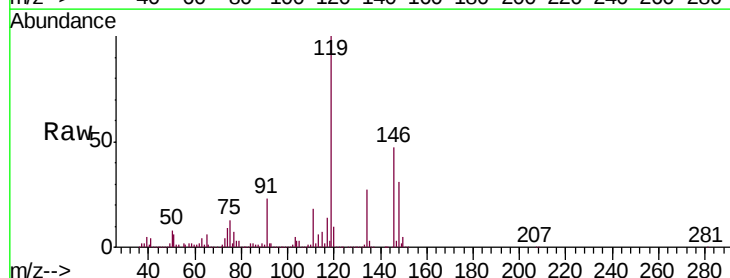
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC150

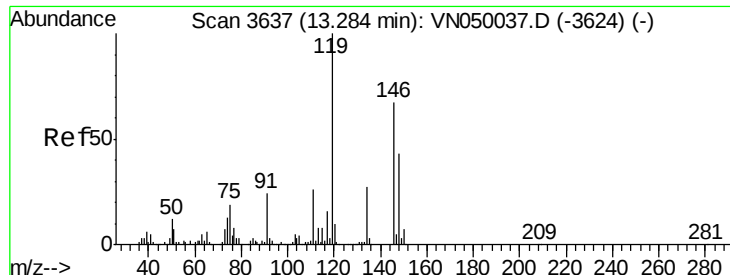
Tgt Ion:105 Resp: 5910115  
 Ion Ratio Lower Upper  
 105 100  
 134 20.1 0.0 40.6



#82  
 p-Isopropyltoluene  
 Concen: 162.110 ug/l  
 RT: 13.29 min Scan# 3639  
 Delta R.T. -0.00 min  
 Lab File: VN050040.D  
 Acq: 25 Jul 2018 10:11

Tgt Ion:119 Resp: 5213230  
 Ion Ratio Lower Upper  
 119 100  
 134 26.6 0.0 52.2  
 91 22.7 0.0 45.6





#83

1,3-Dichlorobenzene

Concen: 156.611 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC150

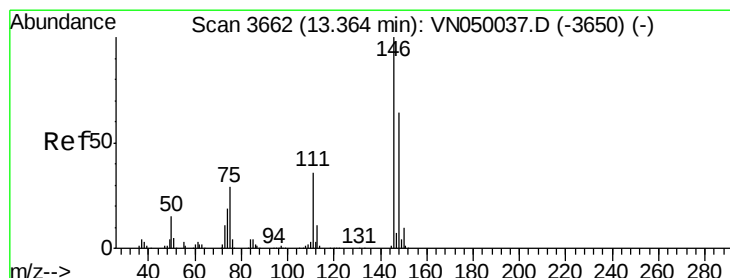
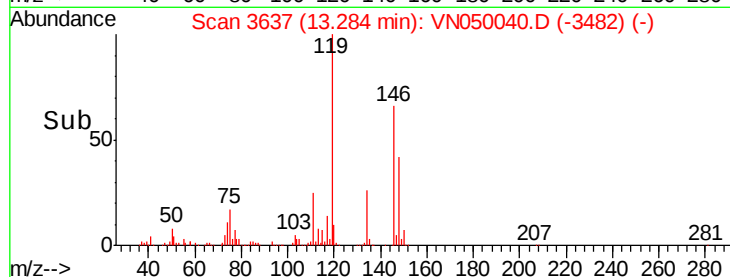
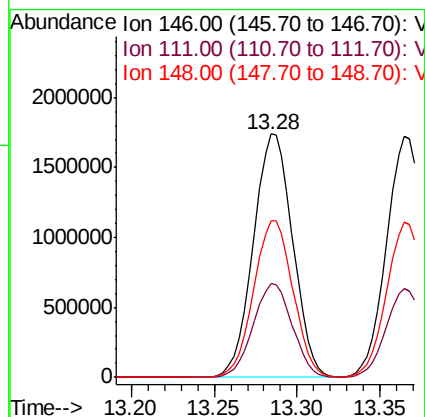
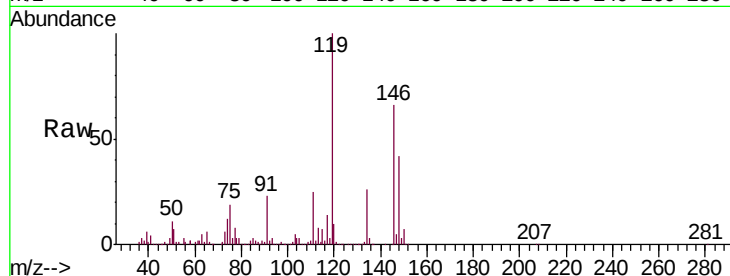
Tgt Ion:146 Resp: 2870179

Ion Ratio Lower Upper

146 100

111 38.2 19.1 57.1

148 64.2 31.9 95.9



#84

1,4-Dichlorobenzene

Concen: 161.606 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

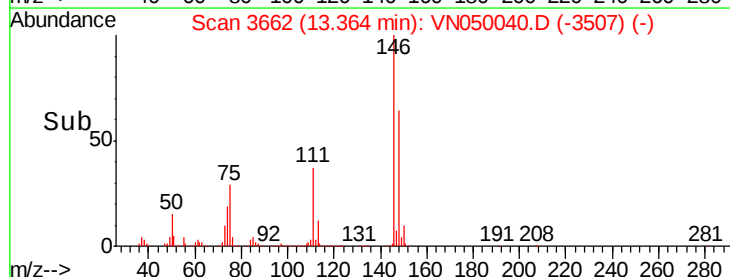
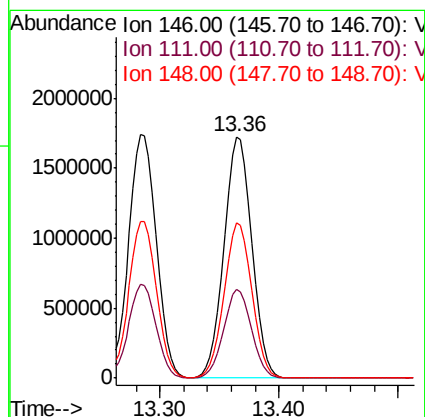
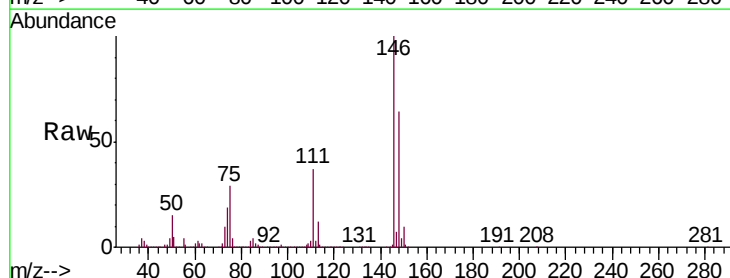
Tgt Ion:146 Resp: 2798821

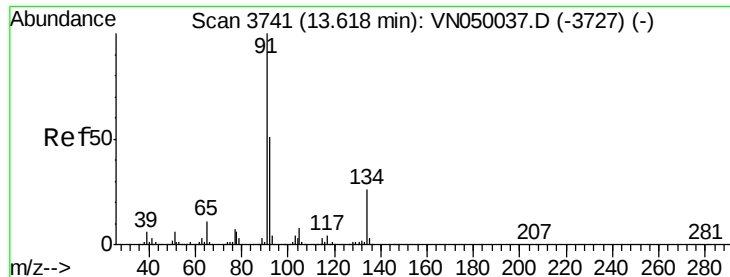
Ion Ratio Lower Upper

146 100

111 36.6 17.9 53.8

148 64.0 32.4 97.0

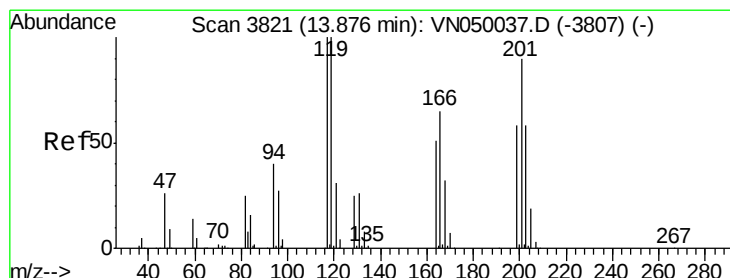
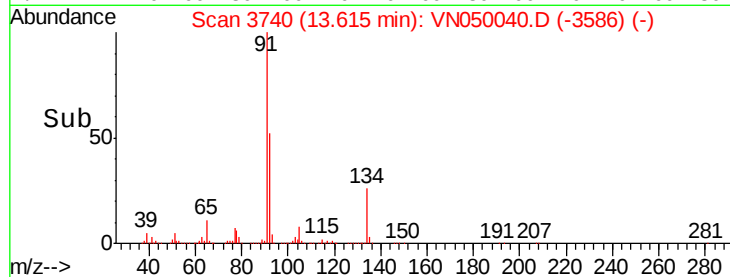
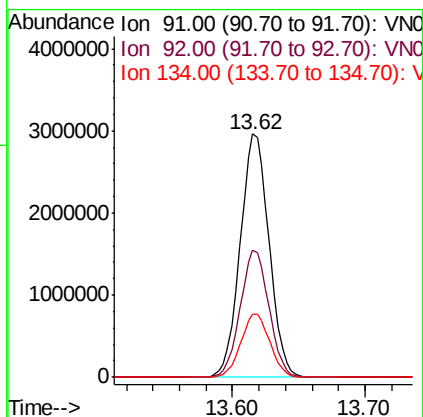
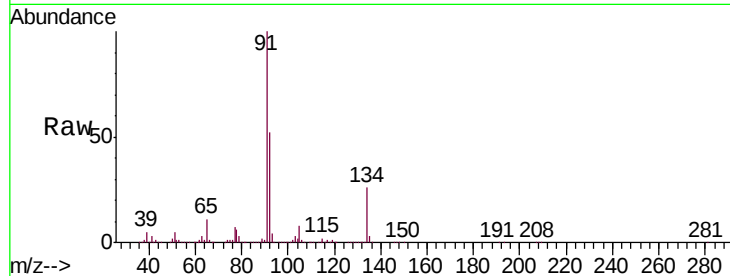




#85  
n-Butylbenzene  
Concen: 170.877 ug/l  
RT: 13.62 min Scan# 3740  
Delta R.T. -0.00 min  
Lab File: VN050040.D  
Acq: 25 Jul 2018 10:11

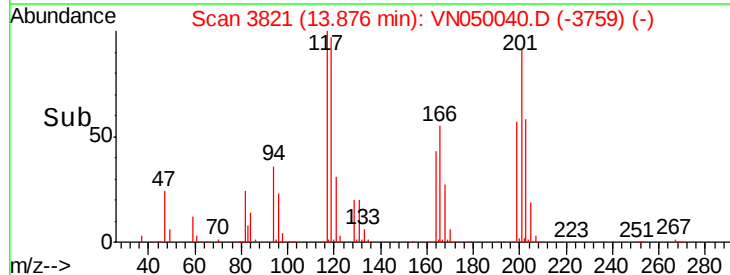
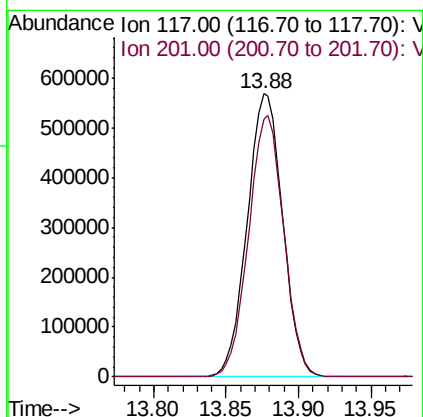
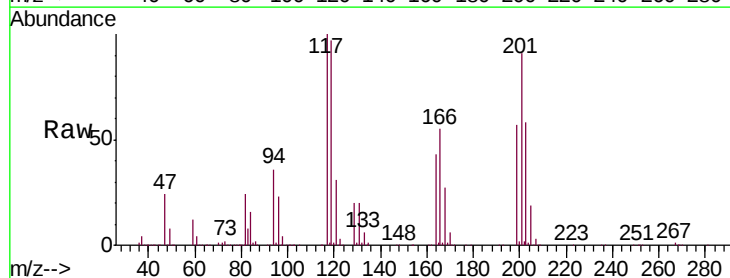
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

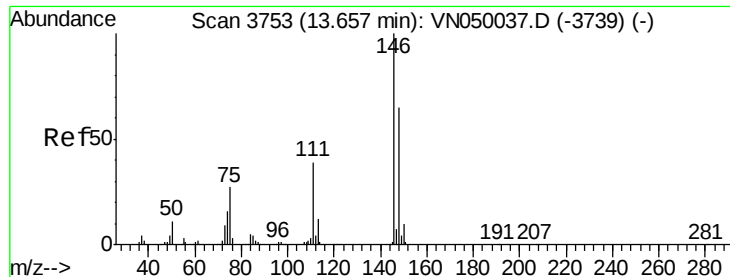
Tgt Ion: 91 Resp: 4459660  
Ion Ratio Lower Upper  
91 100  
92 52.2 0.0 102.8  
134 26.3 0.0 51.0



#86  
Hexachloroethane  
Concen: 150.637 ug/l  
RT: 13.88 min Scan# 3821  
Delta R.T. -0.00 min  
Lab File: VN050040.D  
Acq: 25 Jul 2018 10:11

Tgt Ion: 117 Resp: 968050  
Ion Ratio Lower Upper  
117 100  
201 91.5 46.6 139.7





#87

1,2-Dichlorobenzene

Concen: 153.358 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC150

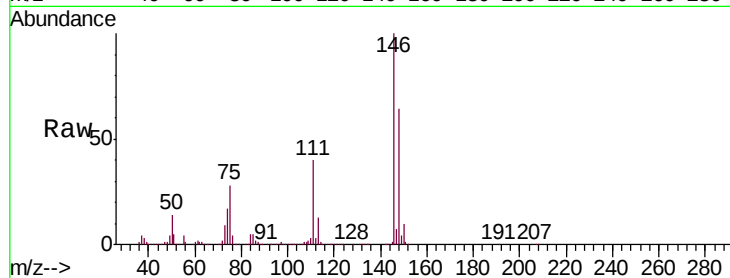
Tgt Ion:146 Resp: 2747226

Ion Ratio Lower Upper

146 100

111 39.5 19.8 59.3

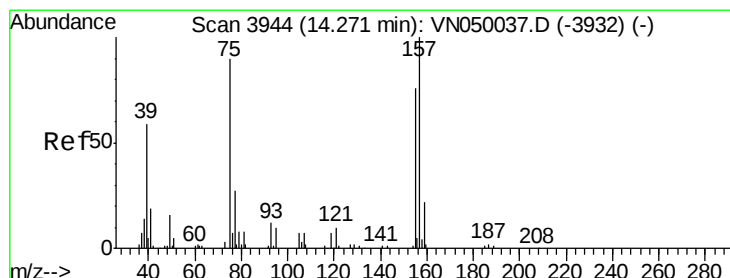
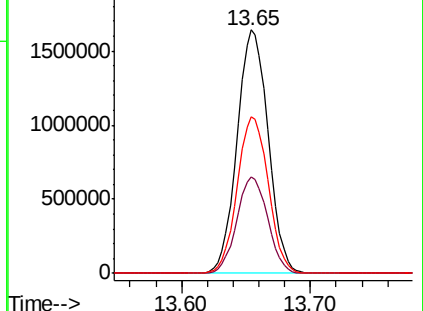
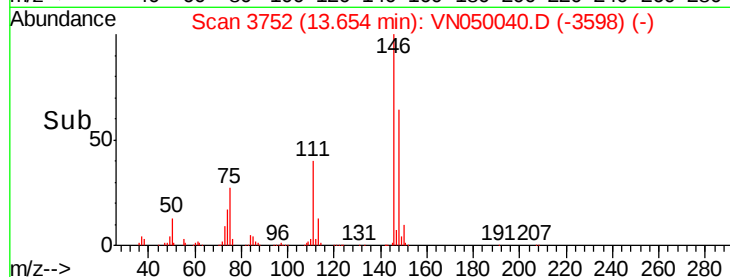
148 64.4 31.8 95.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 159.122 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN050040.D

Acq: 25 Jul 2018 10:11

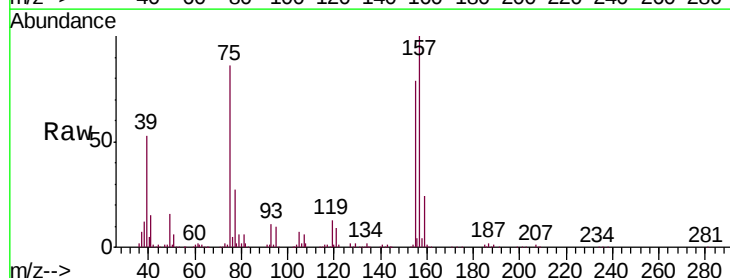
Tgt Ion: 75 Resp: 268903

Ion Ratio Lower Upper

75 100

155 93.3 73.0 109.6

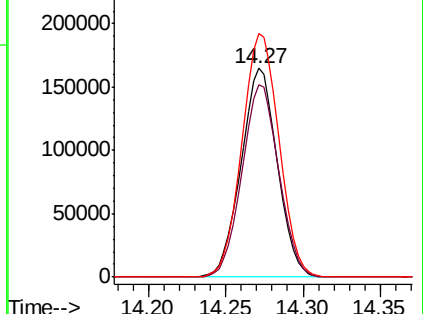
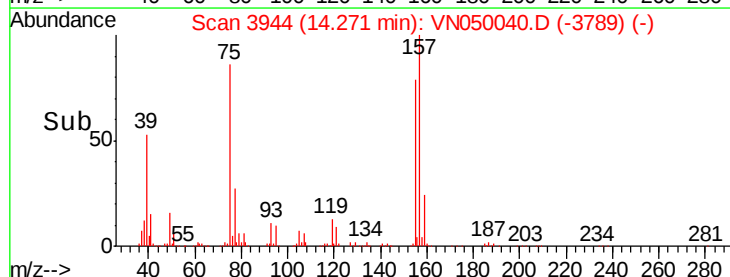
157 119.2 94.9 142.3

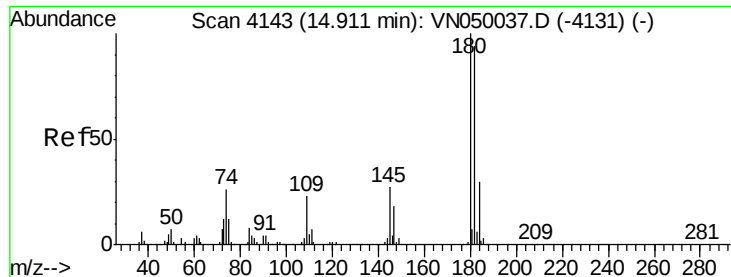


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

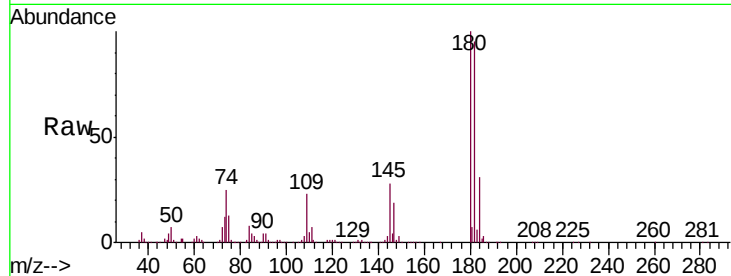




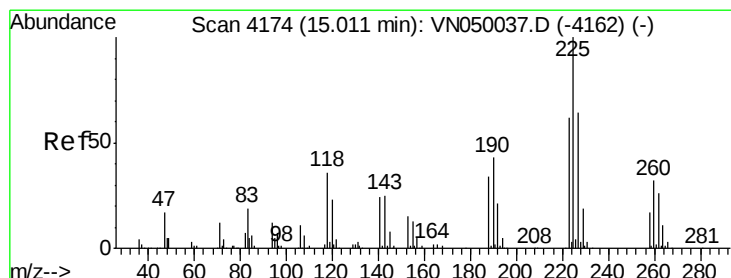
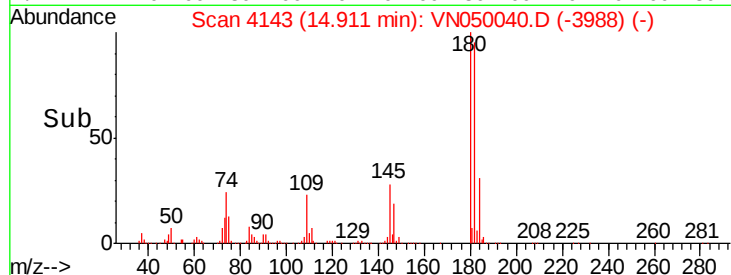
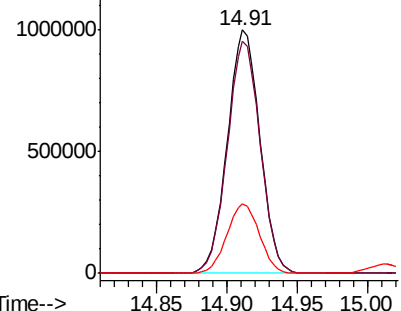
#89  
1,2,4-Trichlorobenzene  
Concen: 189.449 ug/l  
RT: 14.91 min Scan# 4143  
Delta R.T. -0.00 min  
Lab File: VN050040.D  
Acq: 25 Jul 2018 10:11

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC150

Tgt Ion:180 Resp: 1620996  
Ion Ratio Lower Upper  
180 100  
182 95.9 76.7 115.1  
145 28.5 23.4 35.0

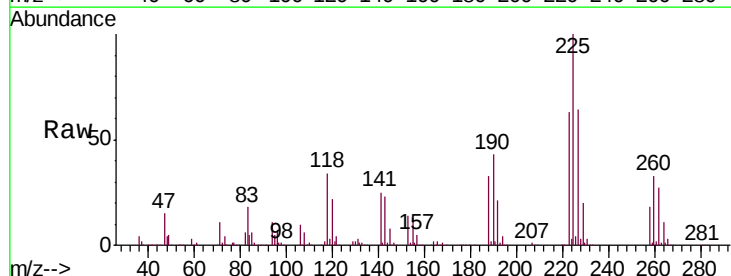


Abundance Ion 180.00 (179.70 to 180.70): V  
Ion 182.00 (181.70 to 182.70): V  
Ion 145.00 (144.70 to 145.70): V

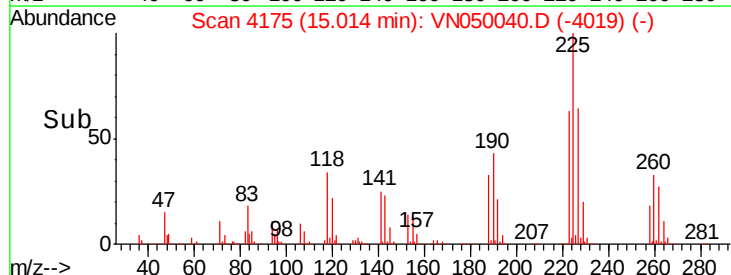
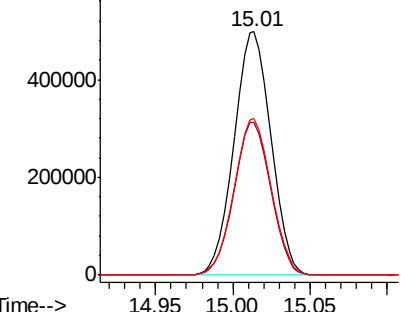


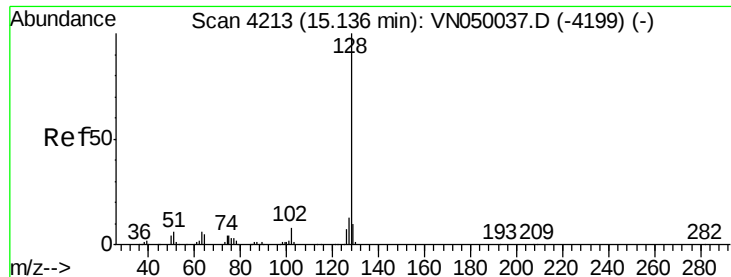
#90  
Hexachlorobutadiene  
Concen: 147.179 ug/l  
RT: 15.01 min Scan# 4175  
Delta R.T. 0.00 min  
Lab File: VN050040.D  
Acq: 25 Jul 2018 10:11

Tgt Ion:225 Resp: 830295  
Ion Ratio Lower Upper  
225 100  
223 62.7 0.0 124.4  
227 64.2 0.0 133.0



Abundance Ion 225.00 (224.70 to 225.70): V  
Ion 223.00 (222.70 to 223.70): V  
Ion 227.00 (226.70 to 227.70): V

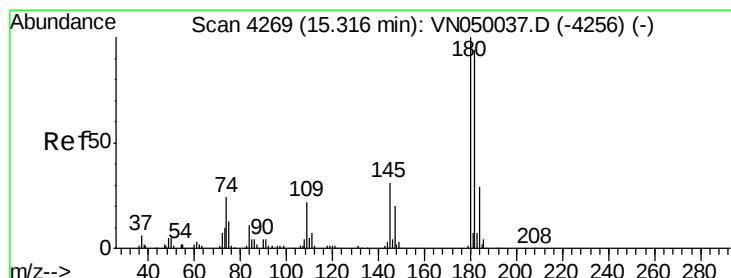
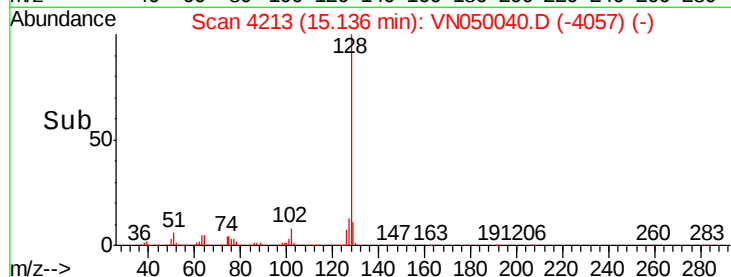
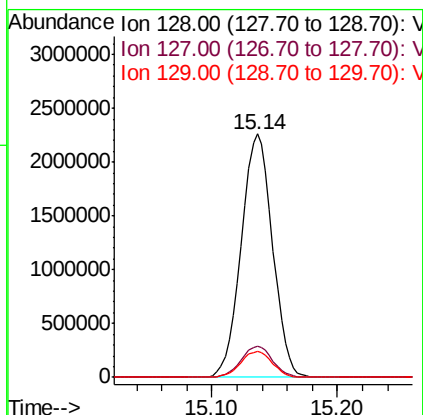
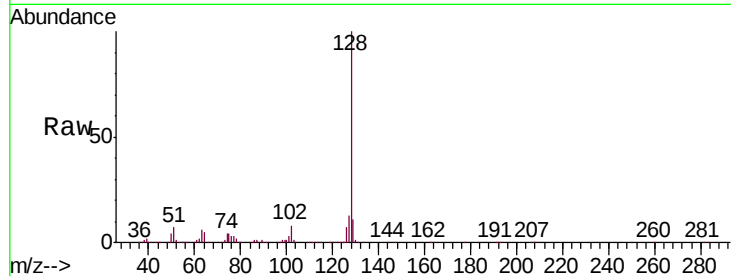




#91  
Naphthalene  
Concen: 152.889 ug/l  
RT: 15.14 min Scan# 4213  
Delta R.T. 0.00 min  
Lab File: VN050040.D  
Acq: 25 Jul 2018 10:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

Tgt Ion:128 Resp: 3895073  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.2 15.4  
129 10.8 9.0 13.4



#92  
1,2,3-Trichlorobenzene  
Concen: 180.680 ug/l  
RT: 15.32 min Scan# 4269  
Delta R.T. -0.00 min  
Lab File: VN050040.D  
Acq: 25 Jul 2018 10:11

Tgt Ion:180 Resp: 1572253  
Ion Ratio Lower Upper  
180 100  
182 95.0 0.0 188.8  
145 30.1 0.0 60.8

