

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\  
 Data File : VN051219.D  
 Acq On : 15 Sep 2018 13:52  
 Operator : MD\SY  
 Sample : VN0915WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Sep 17 02:13:48 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091018W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 11 02:27:09 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 619247   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 893393   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 771208   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 350709   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 302368   | 43.88 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 87.76% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 307000   | 45.73 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.46% |      |
| 50) Toluene-d8            | 10.09  | 98  | 1092033  | 42.87 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 85.74% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 337788   | 40.09 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 80.18% |      |

## Target Compounds

|                               |      |     |         |       |      | Qvalue |
|-------------------------------|------|-----|---------|-------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 110310  | 18.47 | ug/l | 100    |
| 3) Chloromethane              | 2.06 | 50  | 144600  | 18.41 | ug/l | 99     |
| 4) Vinyl Chloride             | 2.18 | 62  | 145400  | 17.74 | ug/l | 97     |
| 5) Bromomethane               | 2.57 | 94  | 82634   | 17.22 | ug/l | 99     |
| 6) Chloroethane               | 2.70 | 64  | 87546   | 17.30 | ug/l | 96     |
| 7) Trichlorofluoromethane     | 3.01 | 101 | 198342  | 18.26 | ug/l | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 67917   | 17.00 | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 121439  | 17.34 | ug/l | 100    |
| 10) Methyl Iodide             | 3.95 | 142 | 93596   | 18.32 | ug/l | 98     |
| 11) Tert butyl alcohol        | 4.79 | 59  | 33606   | 63.85 | ug/l | 96     |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 112900  | 17.09 | ug/l | 99     |
| 13) Acrolein                  | 3.61 | 56  | 23022   | 56.63 | ug/l | 98     |
| 14) Allyl chloride            | 4.33 | 41  | 169227  | 16.82 | ug/l | 99     |
| 15) Acrylonitrile             | 4.99 | 53  | 177328  | 76.03 | ug/l | 99     |
| 16) Acetone                   | 3.82 | 43  | 129929  | 72.10 | ug/l | 98     |
| 17) Carbon Disulfide          | 4.05 | 76  | 344994  | 17.79 | ug/l | 98     |
| 18) Methyl Acetate            | 4.33 | 43  | 85992   | 15.58 | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 281510  | 16.12 | ug/l | 98     |
| 20) Methylene Chloride        | 4.55 | 84  | 131683  | 17.30 | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96  | 121087  | 16.90 | ug/l | 96     |
| 22) Diisopropyl ether         | 5.95 | 45  | 360514  | 18.05 | ug/l | 98     |
| 23) Vinyl Acetate             | 5.90 | 43  | 1118080 | 82.71 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 223518  | 17.64 | ug/l | 99     |
| 25) 2-Butanone                | 6.84 | 43  | 187262  | 69.12 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 172671  | 16.64 | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 134311  | 17.09 | ug/l | 98     |
| 28) Bromochloromethane        | 7.20 | 49  | 93433   | 16.56 | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.22 | 42  | 126170  | 74.57 | ug/l | 99     |
| 30) Chloroform                | 7.37 | 83  | 226371  | 17.95 | ug/l | 98     |
| 31) Cyclohexane               | 7.66 | 56  | 199273  | 17.48 | ug/l | 94     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 193826  | 18.04 | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 170983  | 17.43 | ug/l | 99     |
| 37) Ethyl Acetate             | 6.93 | 43  | 88251   | 15.54 | ug/l | 98     |
| 38) Carbon Tetrachloride      | 7.78 | 117 | 174477  | 18.07 | ug/l | 98     |

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 Acq On : 15 Sep 2018 13:52  
 Operator : MD\SY  
 Sample : VN0915WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Sep 17 02:13:48 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091018W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 11 02:27:09 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 181052   | 16.73  | ug/l   | 97       |
| 40) Benzene                    | 8.04  | 78   | 524688   | 17.75  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.18  | 41   | 47091    | 16.07  | ug/l   | 93       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 152578   | 17.71  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 160079   | 15.97  | ug/l   | 100      |
| 44) Trichloroethene            | 8.84  | 130  | 140598   | 17.39  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 134723   | 17.64  | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 77443    | 16.62  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.40  | 83   | 169978   | 17.94  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.20  | 41   | 75472    | 15.45  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 20886    | 272.67 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 419779   | 75.73  | ug/l   | 99       |
| 52) Toluene                    | 10.16 | 92   | 315927   | 17.53  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 156459   | 16.50  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 188297   | 16.93  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 113660   | 17.36  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 123293   | 15.80  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 185577   | 17.10  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 232846   | 74.43  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 252787   | 67.24  | ug/l   | 98       |
| 60) Dibromochloromethane       | 10.90 | 129  | 127645   | 17.30  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 106661   | 16.67  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 128795   | 18.30  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 343147   | 17.65  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 130885   | 18.70  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.51 | 91   | 544497   | 17.30  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 435826   | 36.03  | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 207897   | 17.75  | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 322839   | 17.77  | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 83370    | 16.92  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 545175   | 18.54  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 108145   | 14.61  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 127871   | 17.93  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 144246   | 25.81  | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 137584   | 17.42  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.59 | 91   | 582130   | 18.01  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 362293   | 17.93  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 443003   | 18.63  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 26960    | 14.60  | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 351108   | 17.50  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 381487   | 18.17  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 441823   | 18.90  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 489853   | 18.19  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 416953   | 18.27  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 222828   | 16.63  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 211968   | 17.23  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.62 | 91   | 278777   | 15.69  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 80207    | 18.92  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 221268   | 16.94  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 14460    | 14.86  | ug/l   | 94       |

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Data File : VN051219.D  
Acq On : 15 Sep 2018 13:52  
Operator : MD\SY  
Sample : VN0915WBSD01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 6 Sample Multiplier: 1

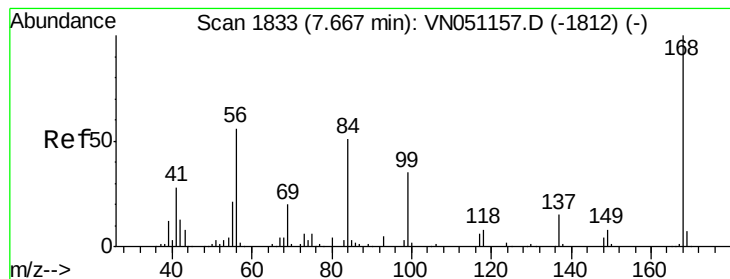
Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Sep 17 02:13:48 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091018W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 11 02:27:09 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 68741    | 14.01 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 72050    | 17.80 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 119921   | 13.46 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 72918    | 14.33 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA\_N

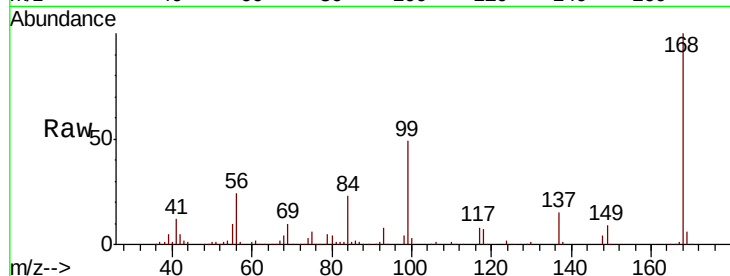
ClientSampled :

Tot Ion:168 Resp: 619247

Ion Ratio Lower Upper

168 100

99 48.4 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

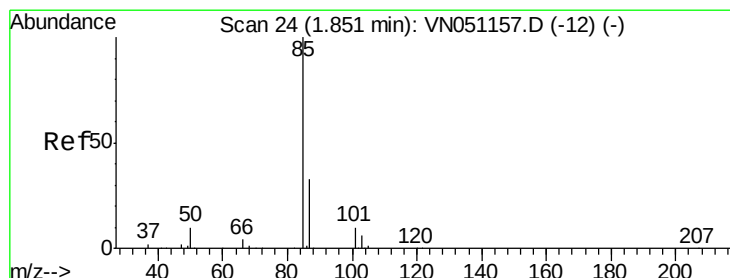
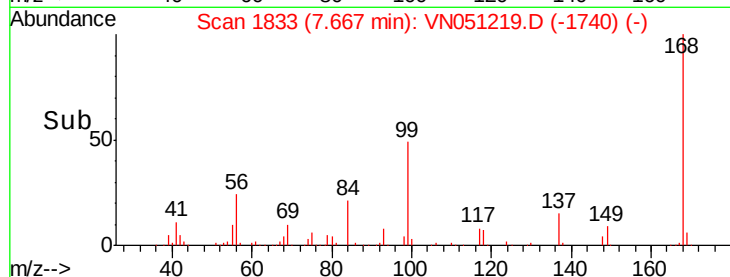
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.47 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051219.D

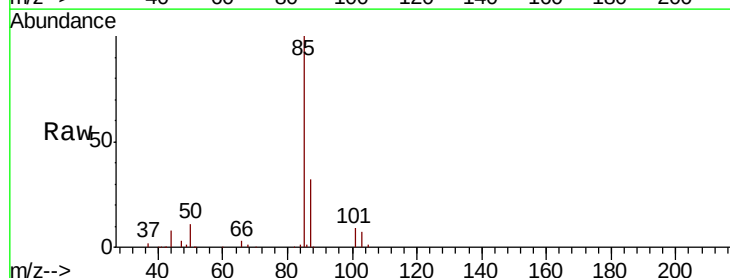
Acq: 15 Sep 2018 13:52

Tgt Ion: 85 Resp: 110310

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

60000

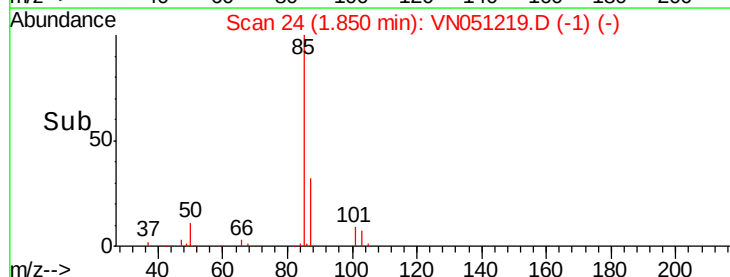
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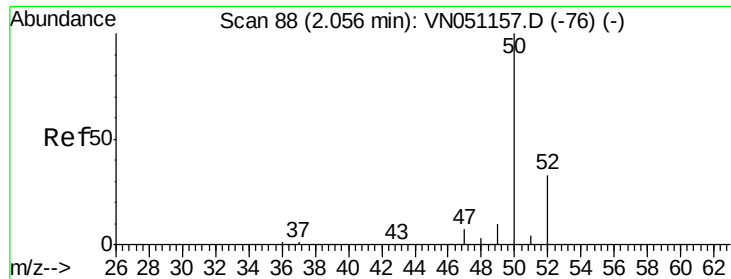
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0

1.80 1.85 1.90

Time-->

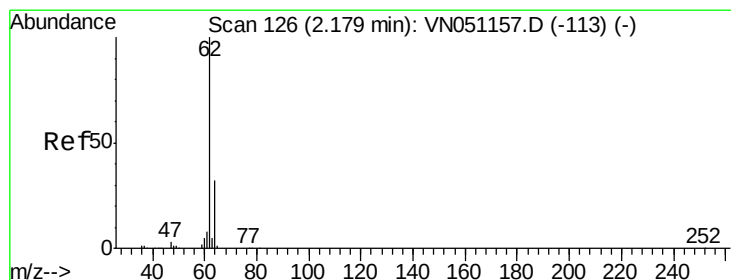
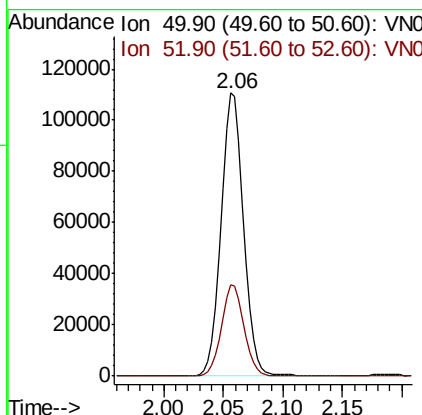
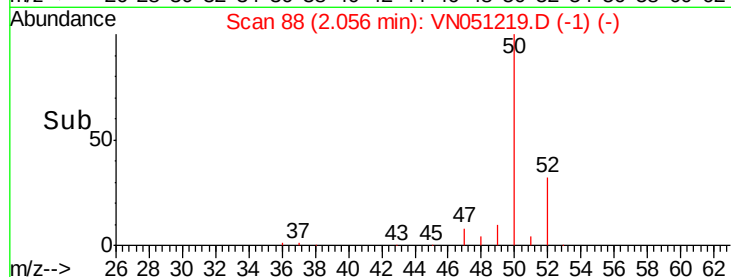
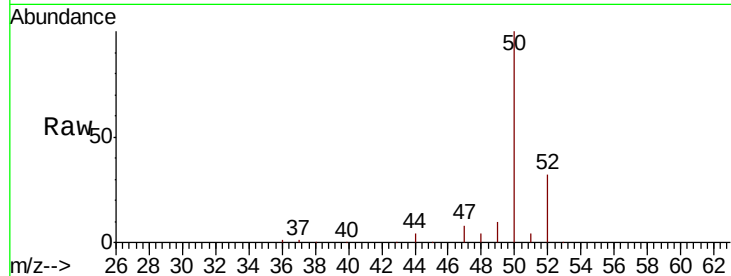




#3  
Chloromethane  
Concen: 18.41 ug/l  
RT: 2.06 min Scan# 88  
Delta R.T. 0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

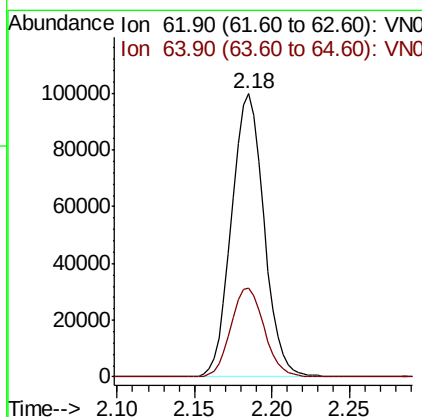
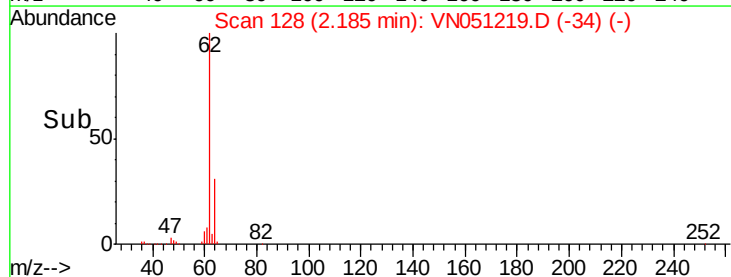
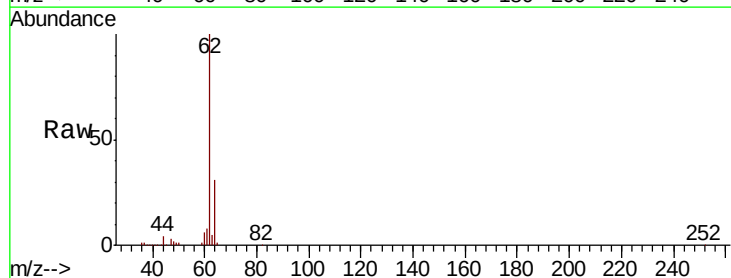
Instrument :  
MSVOA\_N  
ClientSampled :

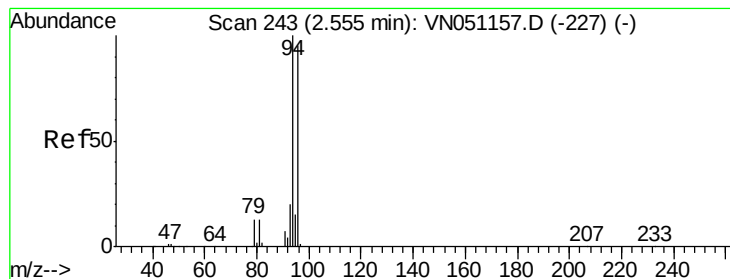
Tot Ion: 50 Resp: 144600  
Ion Ratio Lower Upper  
50 100  
52 32.1 26.0 39.0



#4  
Vinyl Chloride  
Concen: 17.74 ug/l  
RT: 2.18 min Scan# 128  
Delta R.T. 0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

Tgt Ion: 62 Resp: 145400  
Ion Ratio Lower Upper  
62 100  
64 31.2 26.2 39.4





#5

Bromomethane

Concen: 17.22 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA\_N

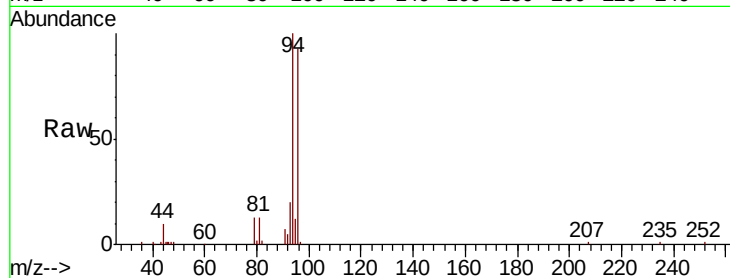
ClientSampleId :

Tot Ion: 94 Resp: 82634

Ion Ratio Lower Upper

94 100

96 93.5 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

40000

30000

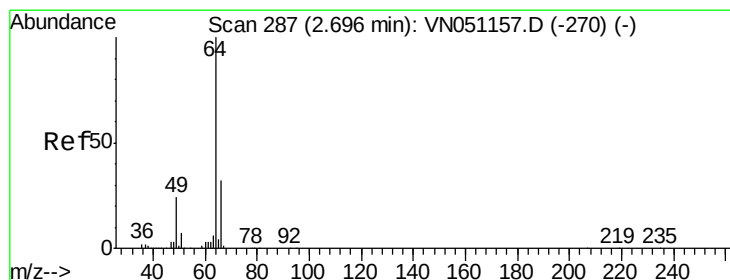
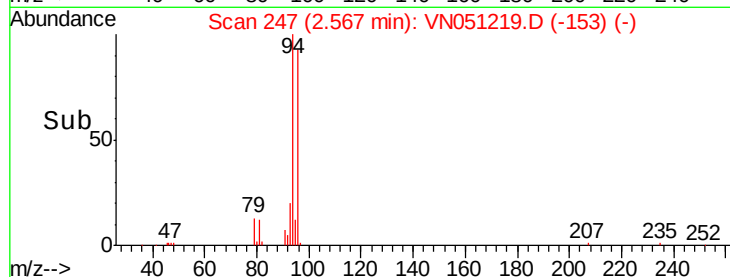
20000

10000

0

2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 17.30 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051219.D

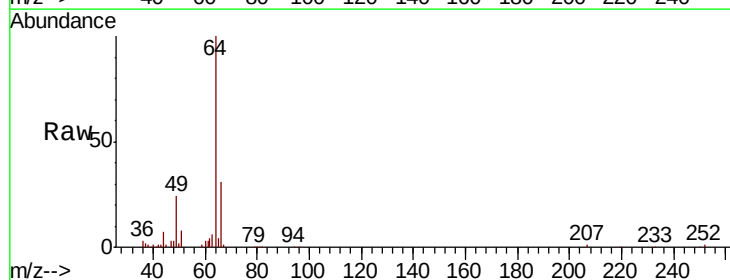
Acq: 15 Sep 2018 13:52

Tgt Ion: 64 Resp: 87546

Ion Ratio Lower Upper

64 100

66 30.5 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

50000

40000

30000

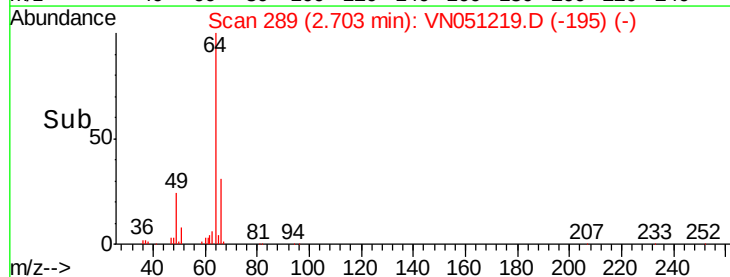
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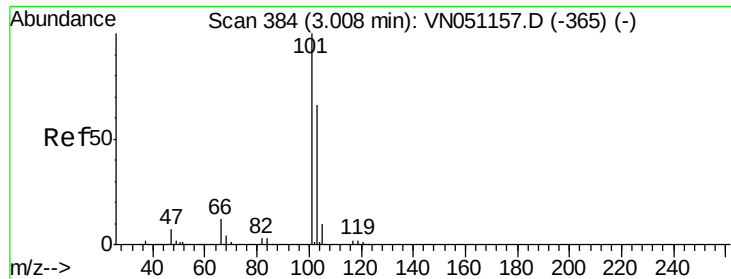
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0

2.60 2.65 2.70 2.75 2.80

Time-->



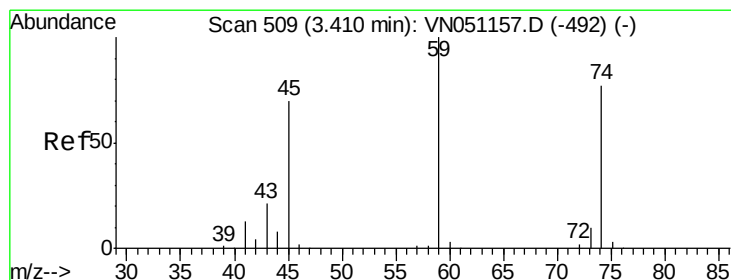
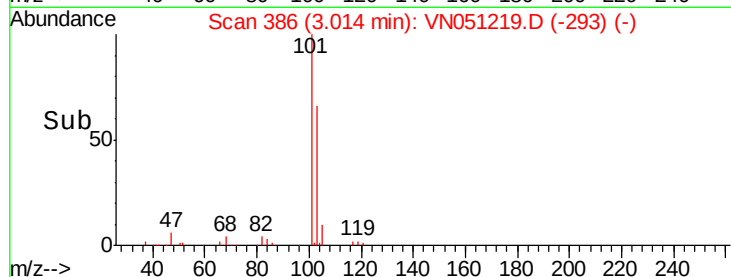
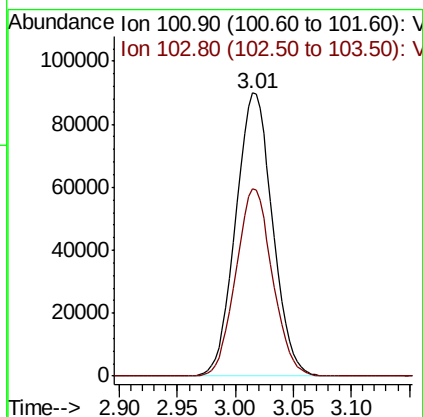
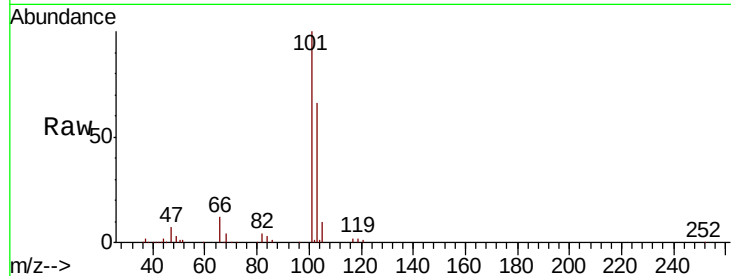


#7

Trichlorofluoromethane  
Concen: 18.26 ug/l  
RT: 3.01 min Scan# 386  
Delta R.T. -0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampled :

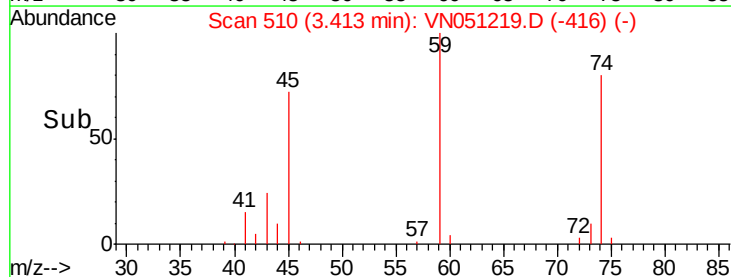
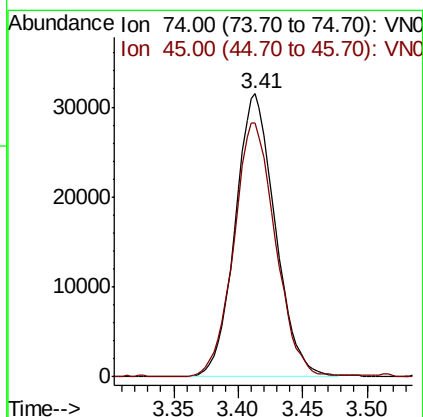
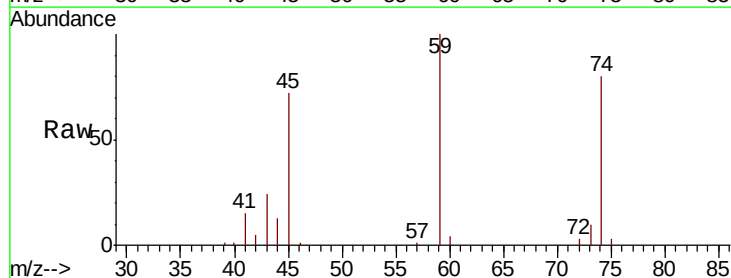
Tot Ion:101 Resp: 198342  
Ion Ratio Lower Upper  
101 100  
103 66.4 52.4 78.6



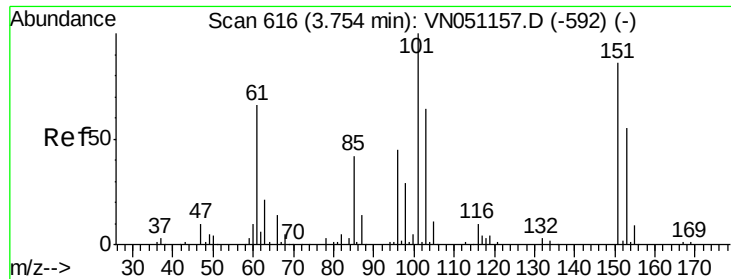
#8

Diethyl Ether  
Concen: 17.00 ug/l  
RT: 3.41 min Scan# 510  
Delta R.T. 0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

Tgt Ion: 74 Resp: 67917  
Ion Ratio Lower Upper  
74 100  
45 93.6 46.7 140.0







#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.34 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA\_N

ClientSampleId :

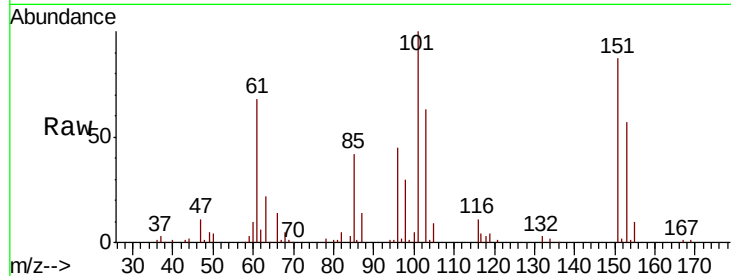
Tot Ion:101 Resp: 121439

Ion Ratio Lower Upper

101 100

85 42.1 33.3 49.9

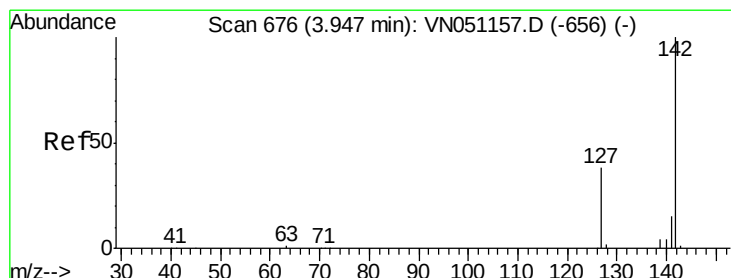
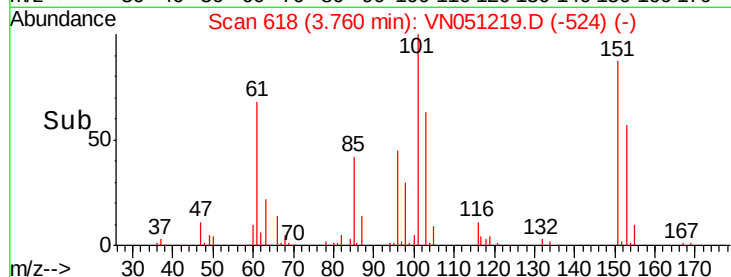
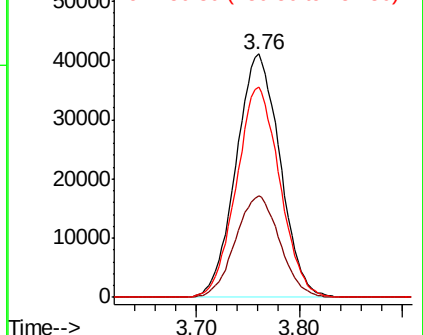
151 85.5 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.32 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

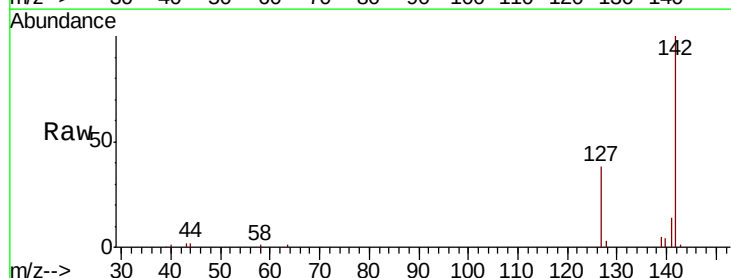
Tgt Ion:142 Resp: 93596

Ion Ratio Lower Upper

142 100

127 39.6 31.0 46.4

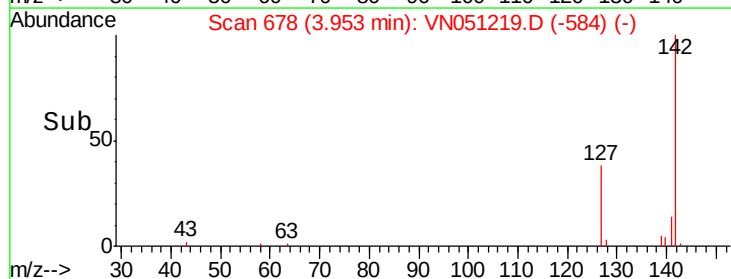
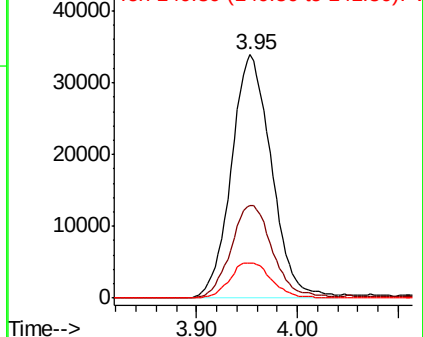
141 14.9 11.3 16.9

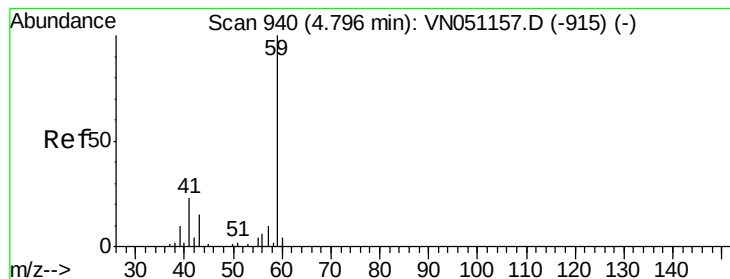


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



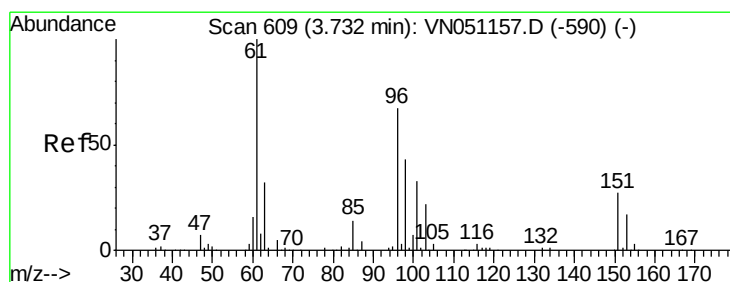
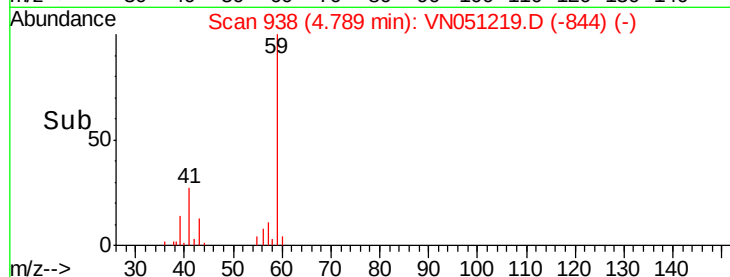
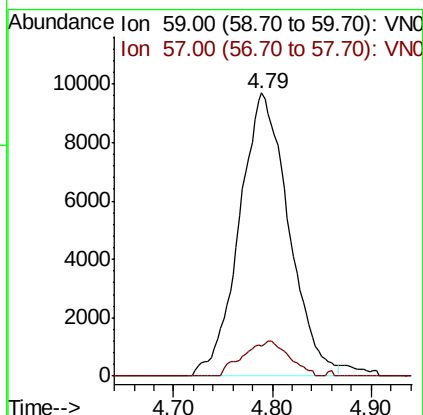
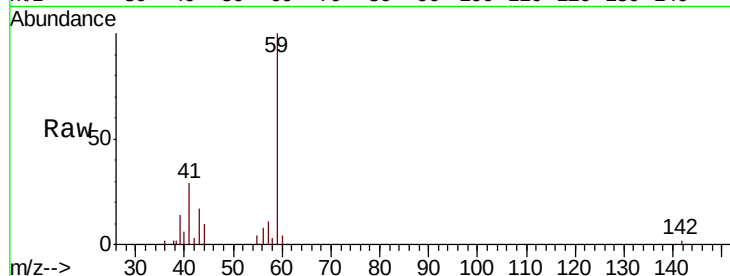


#11

Tert butyl alcohol  
 Concen: 63.85 ug/l  
 RT: 4.79 min Scan# 938  
 Delta R.T. 0.00 min  
 Lab File: VN051219.D  
 Acq: 15 Sep 2018 13:52

Instrument :  
 MSVOA\_N  
 ClientSampled :

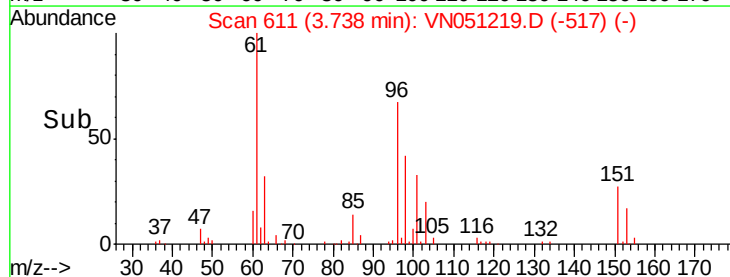
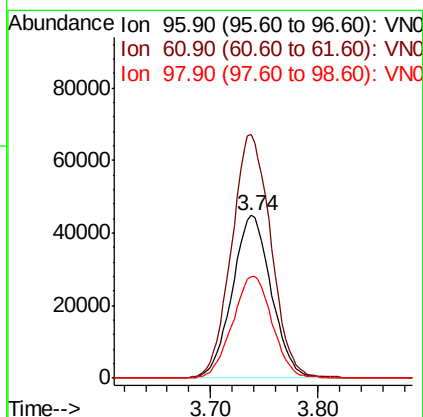
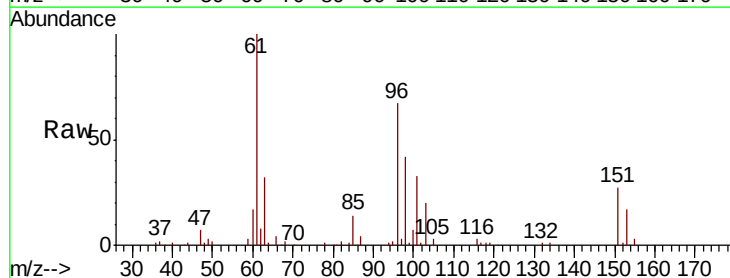
Tot Ion: 59 Resp: 33606  
 Ion Ratio Lower Upper  
 59 100  
 57 11.5 8.1 12.1

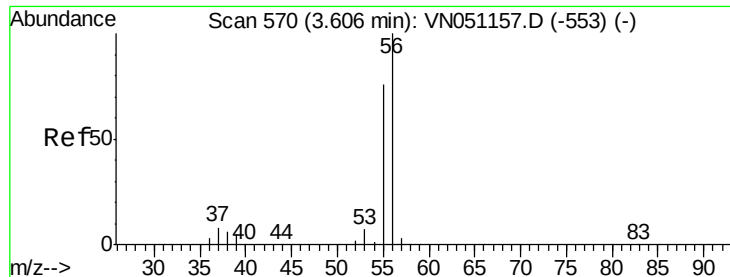


#12

1,1-Dichloroethene  
 Concen: 17.09 ug/l  
 RT: 3.74 min Scan# 611  
 Delta R.T. 0.00 min  
 Lab File: VN051219.D  
 Acq: 15 Sep 2018 13:52

Tgt Ion: 96 Resp: 112900  
 Ion Ratio Lower Upper  
 96 100  
 61 149.2 120.3 180.5  
 98 62.5 50.8 76.2





#13

Acrolein

Concen: 56.63 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA\_N

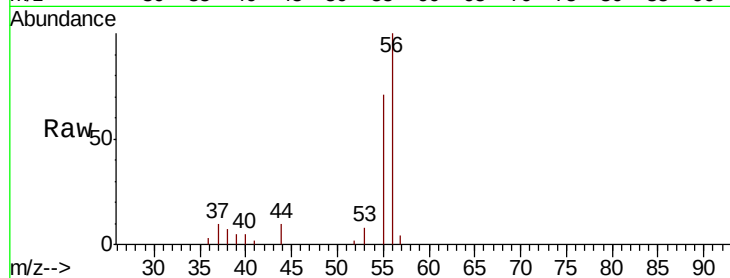
ClientSampled :

Tot Ion: 56 Resp: 23022

Ion Ratio Lower Upper

56 100

55 71.2 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

10000

8000

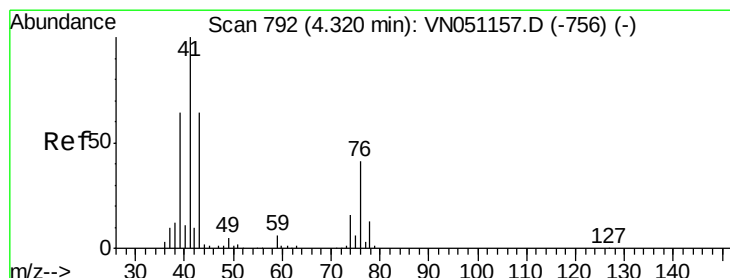
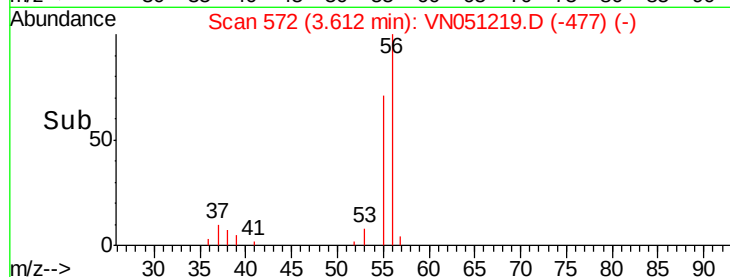
6000

4000

2000

0

Time--> 3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 16.82 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

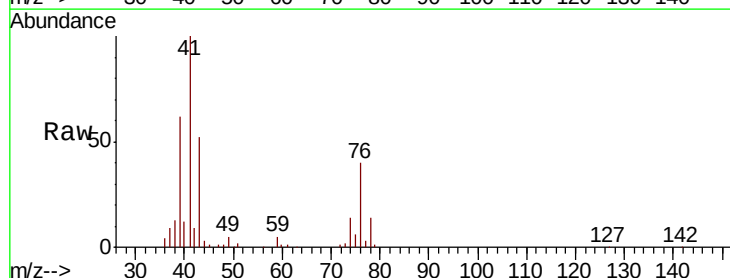
Tgt Ion: 41 Resp: 169227

Ion Ratio Lower Upper

41 100

39 62.0 48.8 73.2

76 39.0 30.6 45.8



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.33

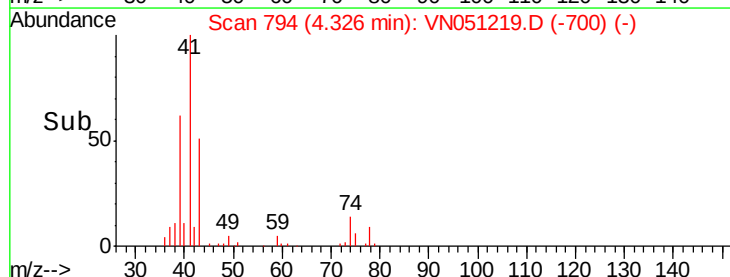
60000

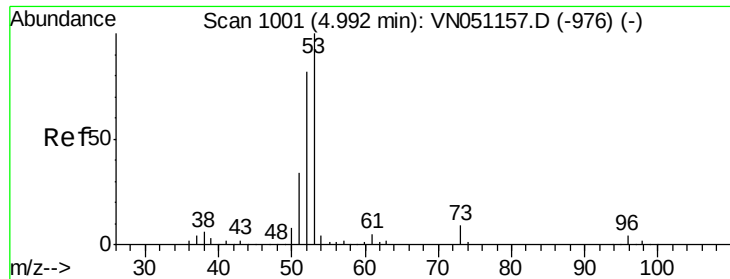
40000

20000

0

Time--> 4.20 4.30 4.40

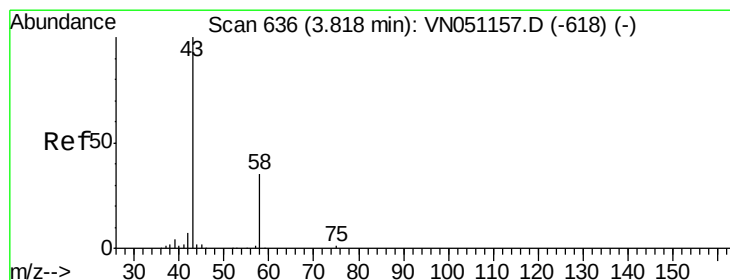
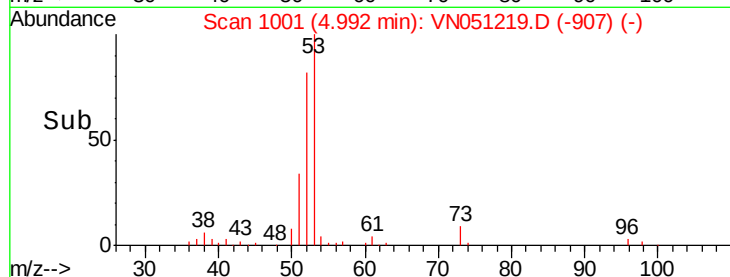
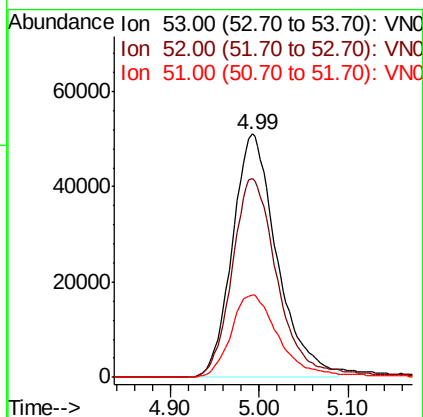
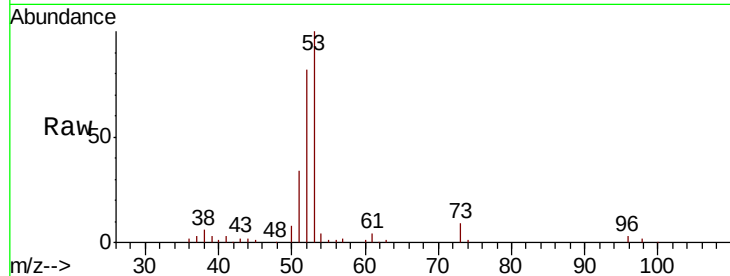




#15  
 Acrylonitrile  
 Concen: 76.03 ug/l  
 RT: 4.99 min Scan# 1001  
 Delta R.T. 0.00 min  
 Lab File: VN051219.D  
 Acq: 15 Sep 2018 13:52

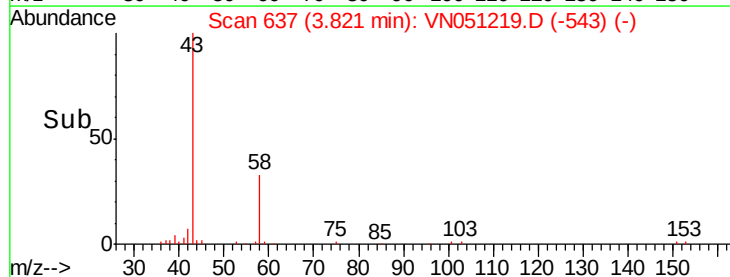
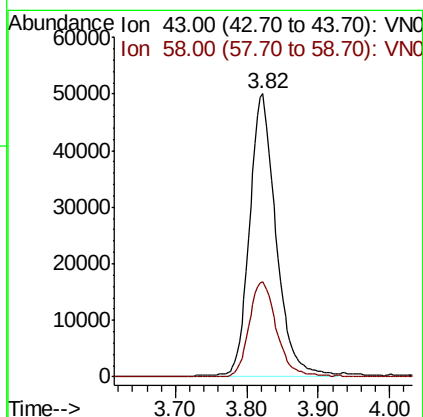
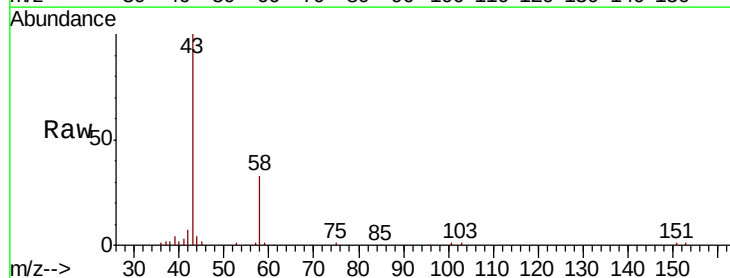
Instrument :  
 MSVOA\_N  
 ClientSampleId :

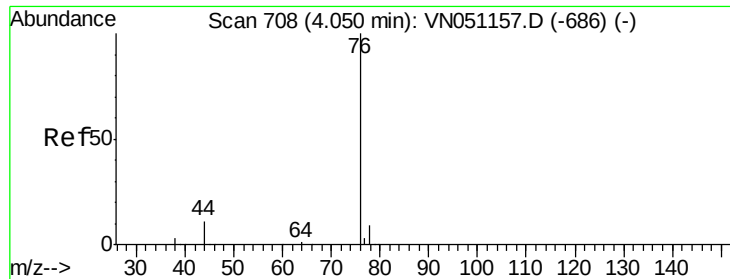
Tot Ion: 53 Resp: 177328  
 Ion Ratio Lower Upper  
 53 100  
 52 82.5 65.3 97.9  
 51 35.9 28.2 42.2



#16  
 Acetone  
 Concen: 72.10 ug/l  
 RT: 3.82 min Scan# 637  
 Delta R.T. 0.00 min  
 Lab File: VN051219.D  
 Acq: 15 Sep 2018 13:52

Tgt Ion: 43 Resp: 129929  
 Ion Ratio Lower Upper  
 43 100  
 58 33.5 27.8 41.6

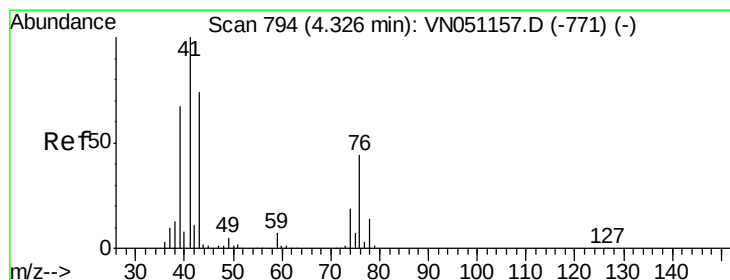
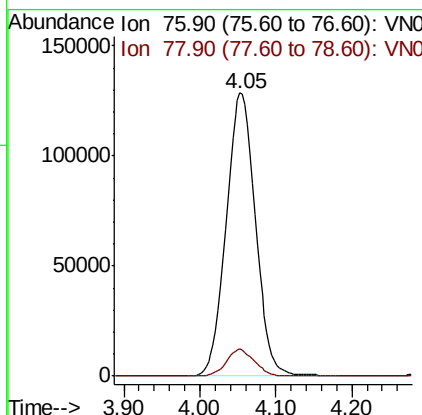
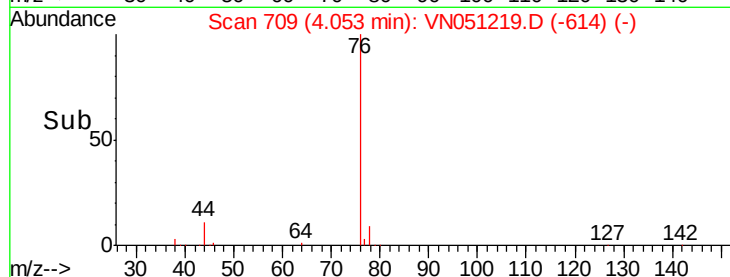
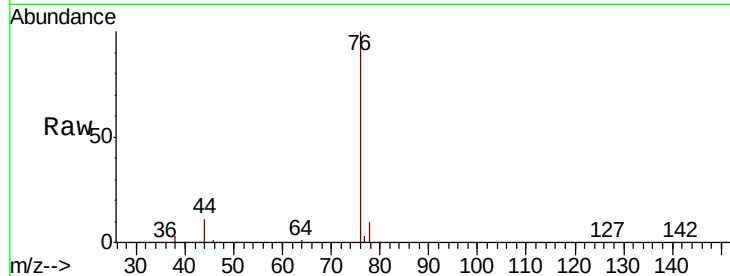




#17  
Carbon Disulfide  
Concen: 17.79 ug/l  
RT: 4.05 min Scan# 709  
Delta R.T. 0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

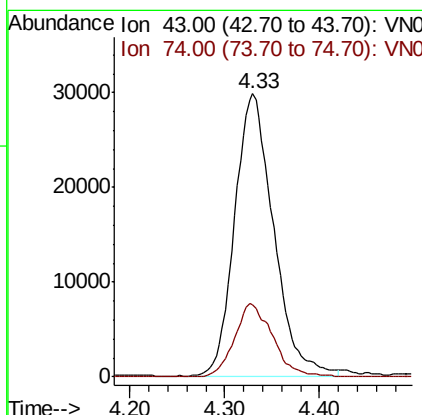
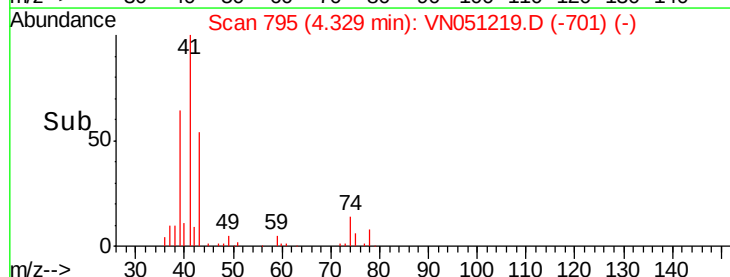
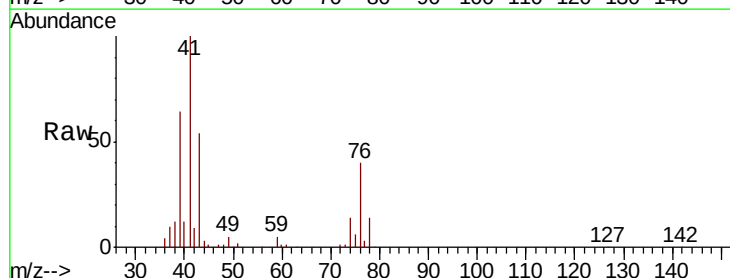
Instrument :  
MSVOA\_N  
ClientSampled :

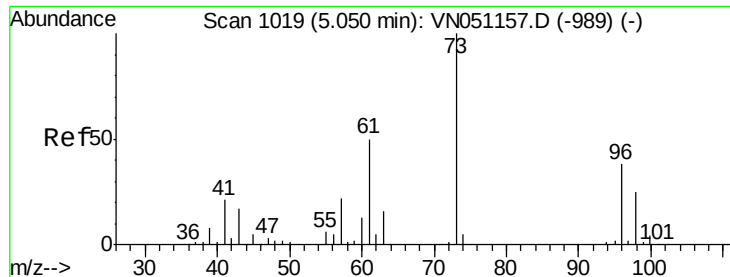
Tot Ion: 76 Resp: 344994  
Ion Ratio Lower Upper  
76 100  
78 9.5 7.0 10.6



#18  
Methyl Acetate  
Concen: 15.58 ug/l  
RT: 4.33 min Scan# 795  
Delta R.T. 0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

Tgt Ion: 43 Resp: 85992  
Ion Ratio Lower Upper  
43 100  
74 25.2 20.7 31.1

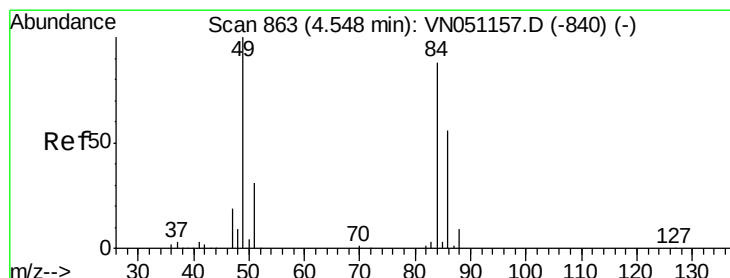
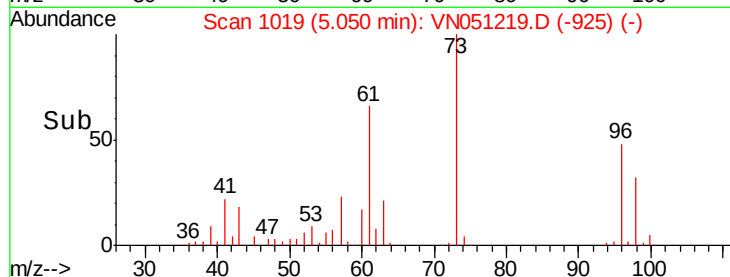
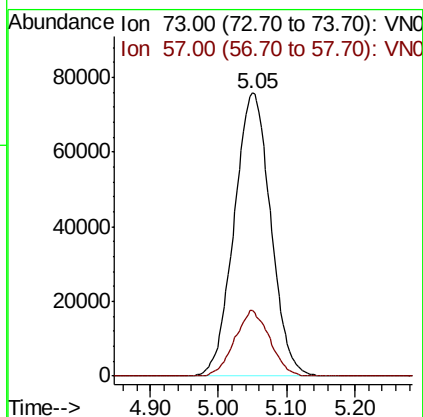
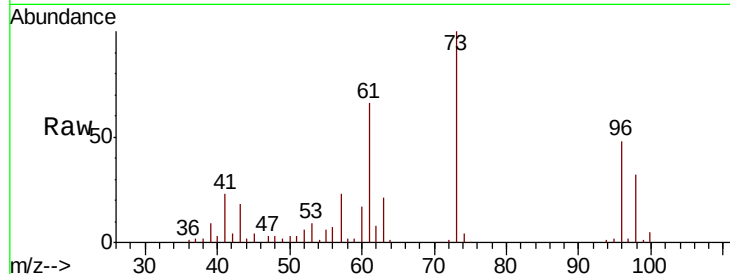




#19  
Methvl tert-butvl Ether  
Concen: 16.12 ug/l  
RT: 5.05 min Scan# 1019  
Delta R.T. 0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

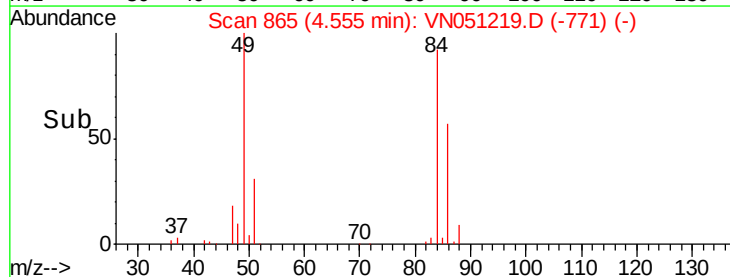
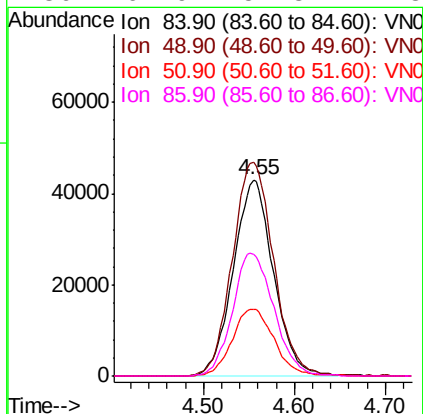
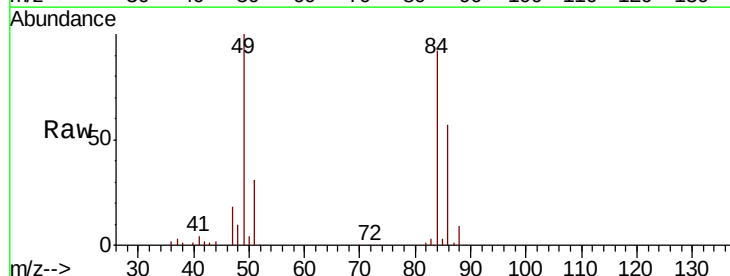
Instrument :  
MSVOA\_N  
ClientSampled :

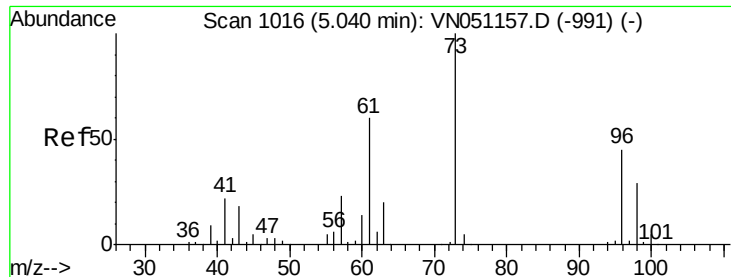
Tot Ion: 73 Resp: 281510  
Ion Ratio Lower Upper  
73 100  
57 23.2 17.9 26.9



#20  
Methylene Chloride  
Concen: 17.30 ug/l  
RT: 4.55 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

Tgt Ion: 84 Resp: 131683  
Ion Ratio Lower Upper  
84 100  
49 109.0 90.2 135.2  
51 34.3 28.4 42.6  
86 61.9 51.8 77.8

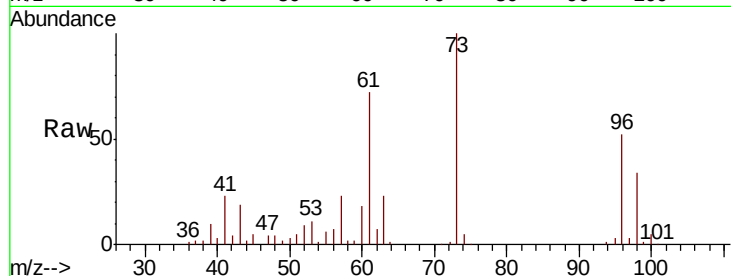




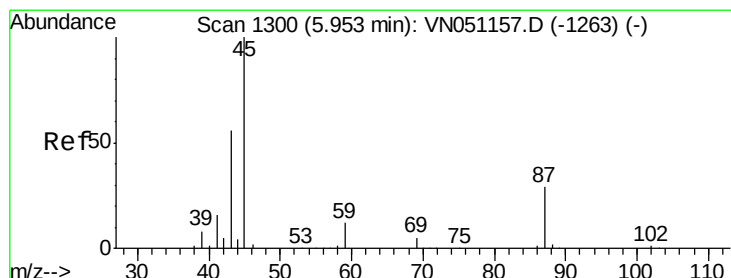
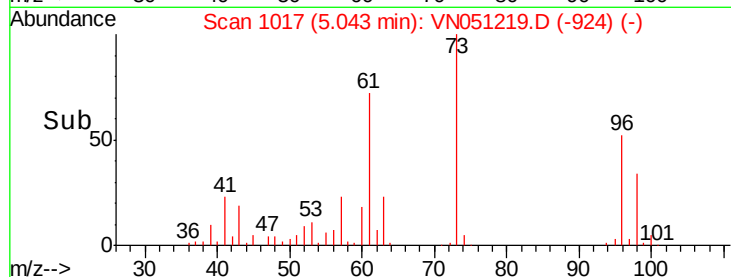
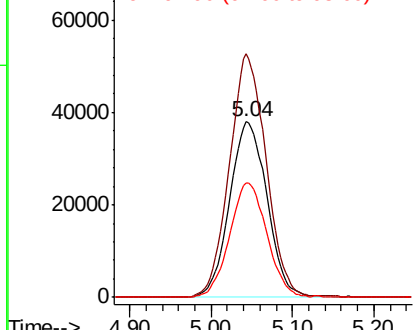
#21  
trans-1,2-Dichloroethene  
Concen: 16.90 ug/l  
RT: 5.04 min Scan# 1017  
Delta R.T. -0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 96 Resp: 121087  
Ion Ratio Lower Upper  
96 100  
61 139.0 106.5 159.7  
98 65.4 50.4 75.6

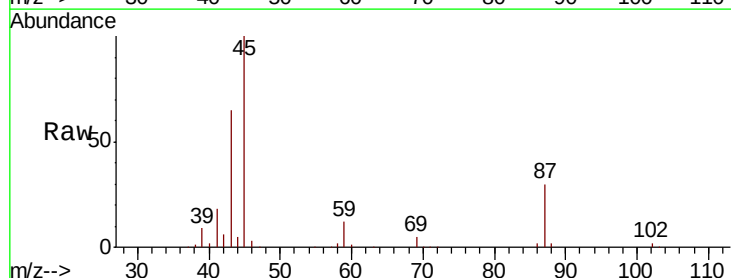


Abundance Ion 95.90 (95.60 to 96.60): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 97.90 (97.60 to 98.60): VN0

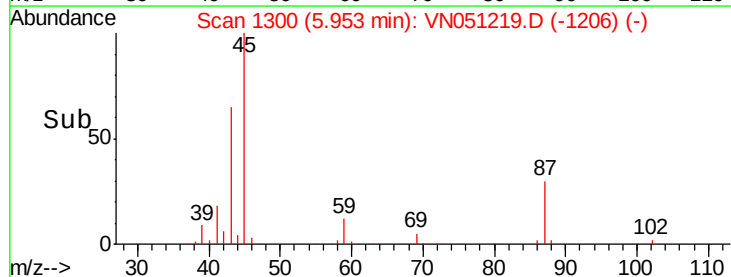
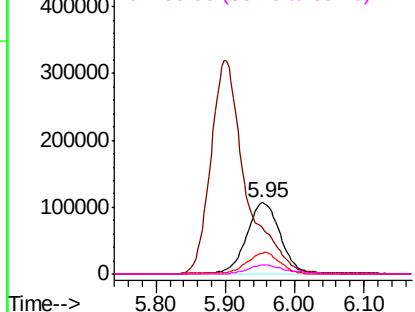


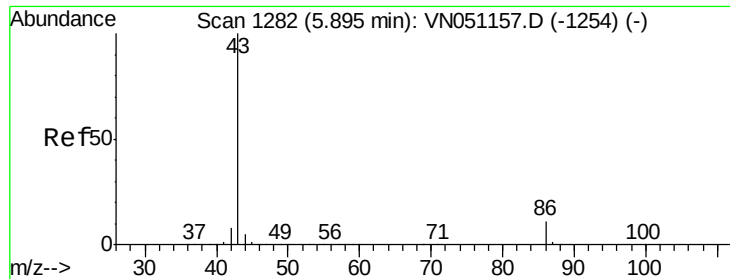
#22  
Diisopropyl ether  
Concen: 18.05 ug/l  
RT: 5.95 min Scan# 1300  
Delta R.T. 0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

Tgt Ion: 45 Resp: 360514  
Ion Ratio Lower Upper  
45 100  
43 63.9 48.8 73.2  
87 29.6 23.8 35.8  
59 12.1 9.6 14.4



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

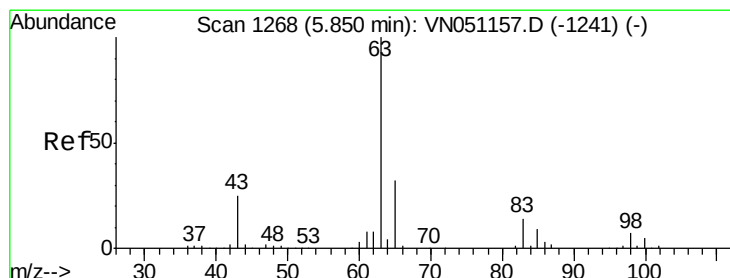
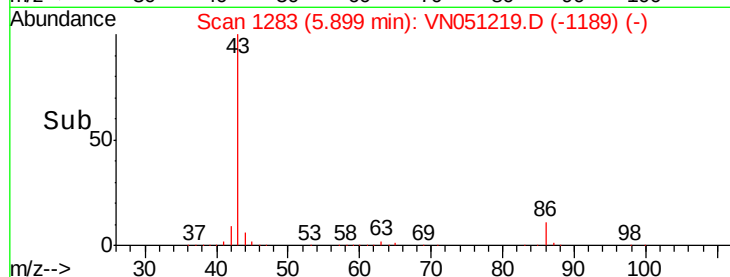
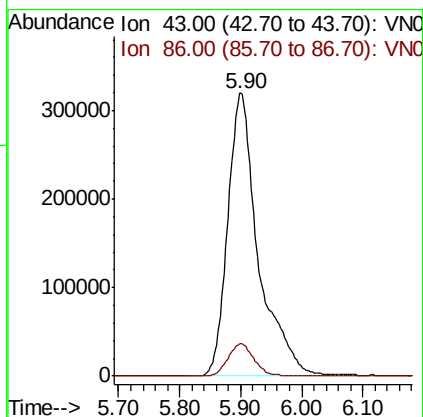
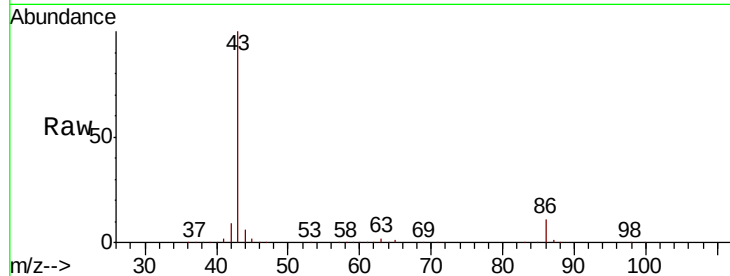




#23  
 Vinyl Acetate  
 Concen: 82.71 ug/l  
 RT: 5.90 min Scan# 1283  
 Delta R.T. 0.00 min  
 Lab File: VN051219.D  
 Acq: 15 Sep 2018 13:52

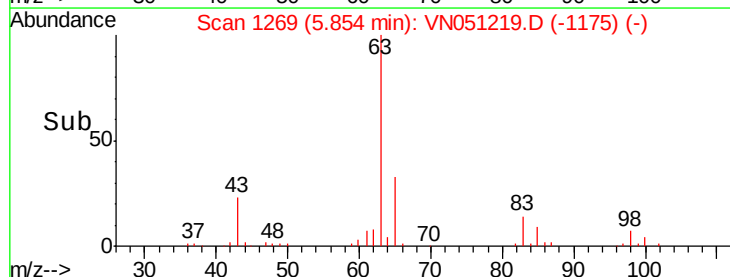
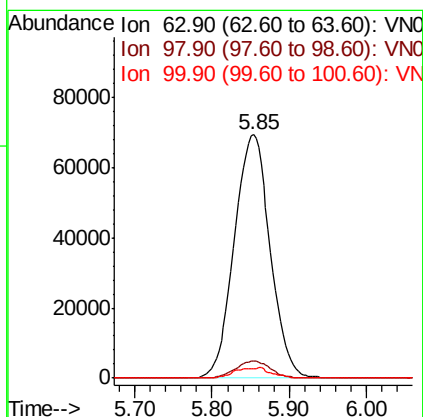
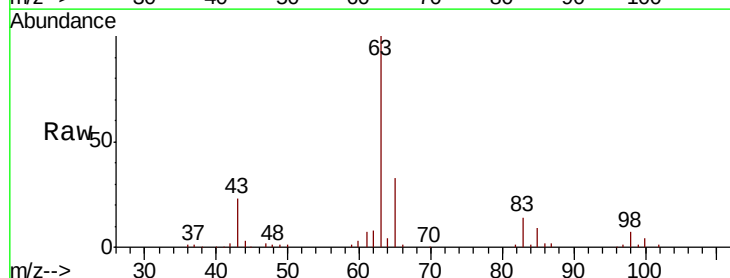
Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tot Ion: 43 Resp: 1118080  
 Ion Ratio Lower Upper  
 43 100  
 86 11.4 9.2 13.8

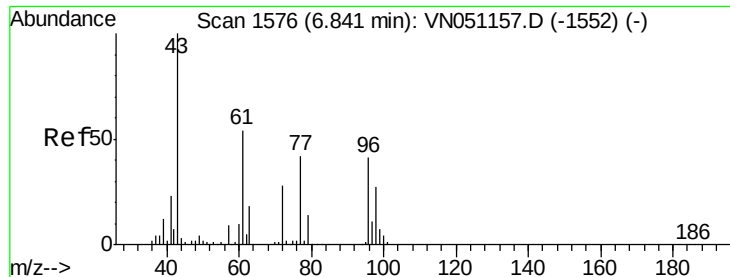


#24  
 1,1-Dichloroethane  
 Concen: 17.64 ug/l  
 RT: 5.85 min Scan# 1269  
 Delta R.T. 0.00 min  
 Lab File: VN051219.D  
 Acq: 15 Sep 2018 13:52

Tgt Ion: 63 Resp: 223518  
 Ion Ratio Lower Upper  
 63 100  
 98 7.0 3.4 10.1  
 100 3.9 2.1 6.3



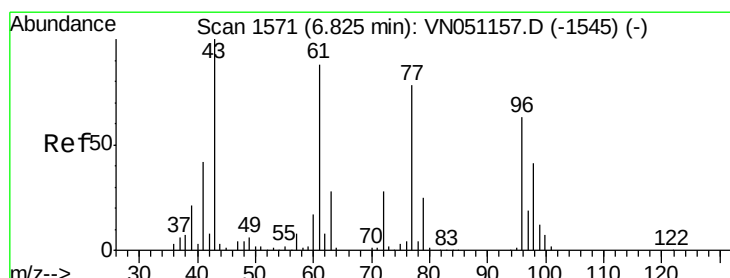
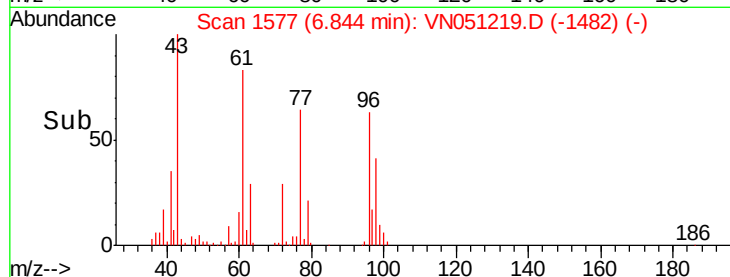
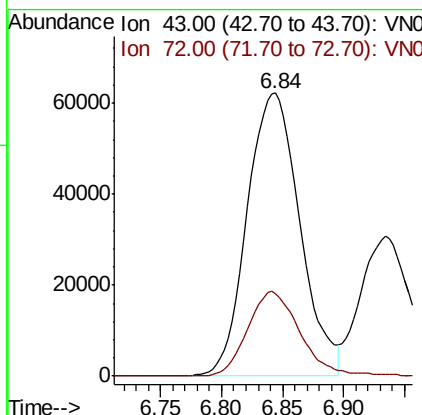
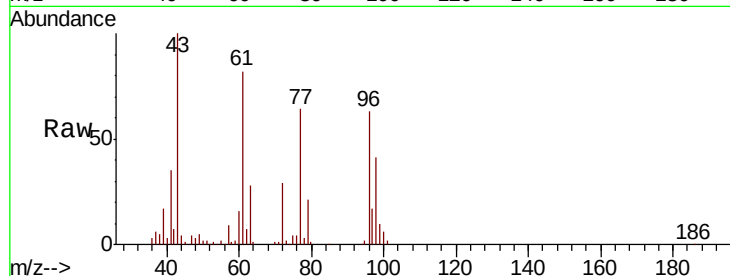




#25  
2-Butanone  
Concen: 69.12 ug/l  
RT: 6.84 min Scan# 1577  
Delta R.T. 0.01 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

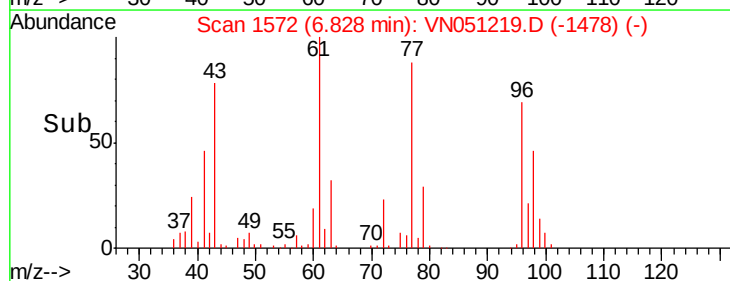
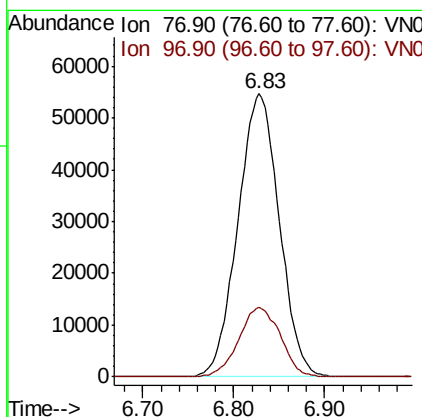
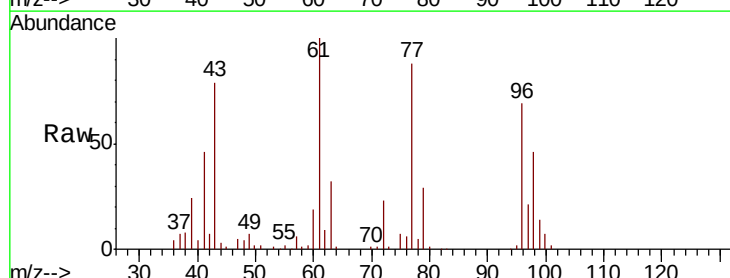
Instrument :  
MSVOA\_N  
ClientSampled :

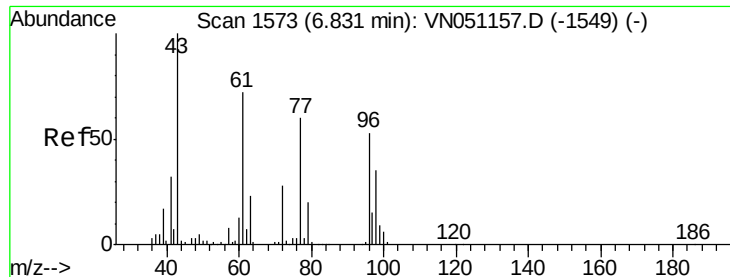
Tot Ion: 43 Resp: 187262  
Ion Ratio Lower Upper  
43 100  
72 29.3 23.0 34.6



#26  
2,2-Dichloropropane  
Concen: 16.64 ug/l  
RT: 6.83 min Scan# 1572  
Delta R.T. 0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

Tgt Ion: 77 Resp: 172671  
Ion Ratio Lower Upper  
77 100  
97 24.7 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 17.09 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA\_N

ClientSampleId :

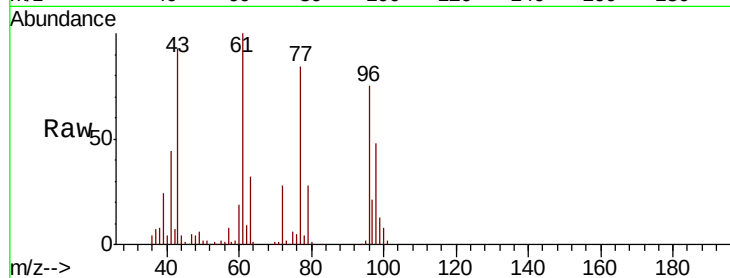
Tot Ion: 96 Resp: 134311

Ion Ratio Lower Upper

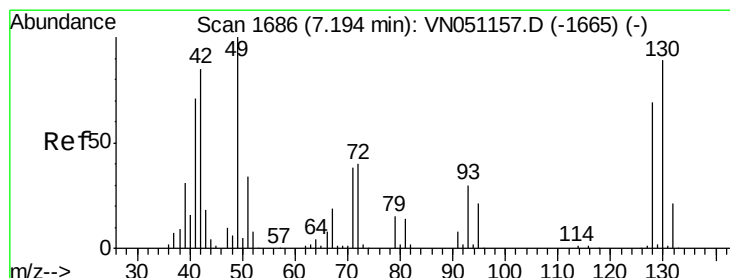
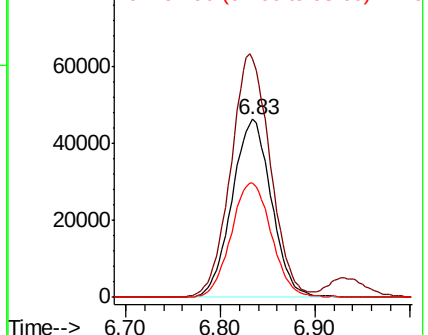
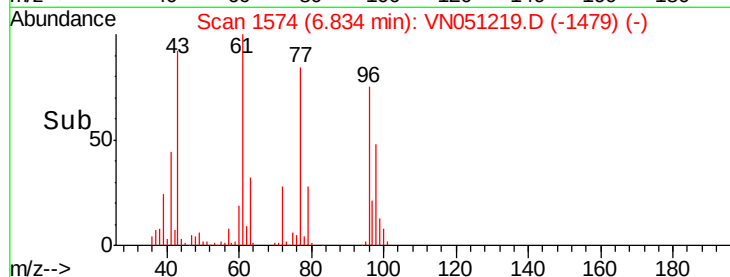
96 100

61 137.0 0.0 278.2

98 65.7 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN051219.D (-1479) (-)



#28

Bromochloromethane

Concen: 16.56 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

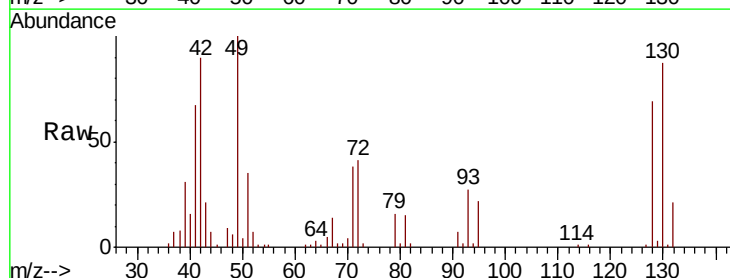
Tgt Ion: 49 Resp: 93433

Ion Ratio Lower Upper

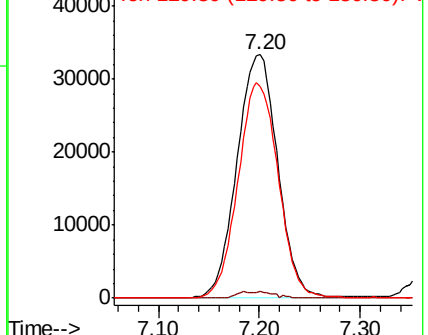
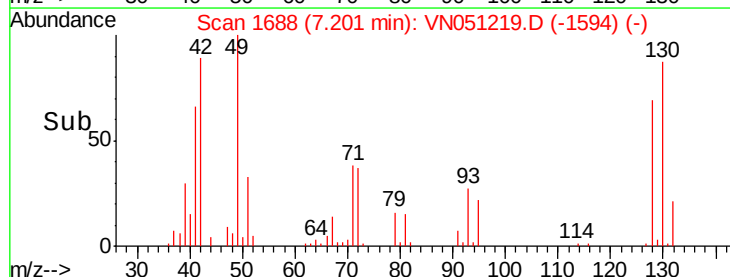
49 100

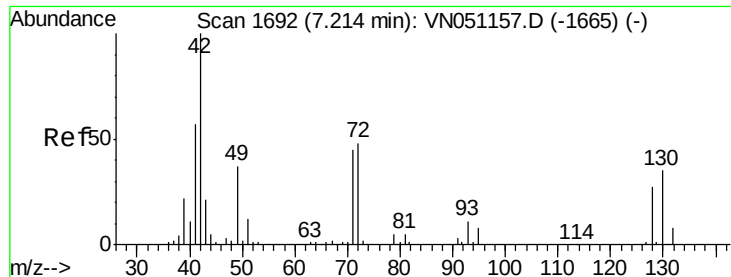
129 1.1 0.0 4.4

130 87.4 70.7 106.1



Abundance Ion 48.90 (48.60 to 49.60): VN051219.D (-1594) (-)

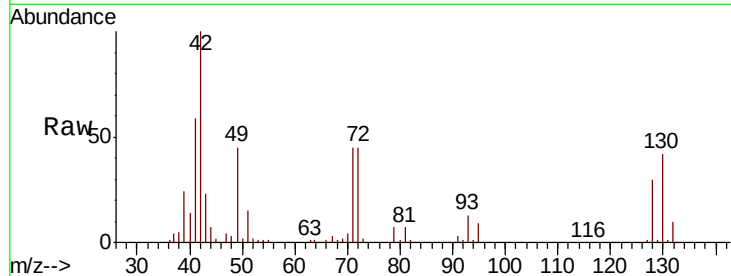




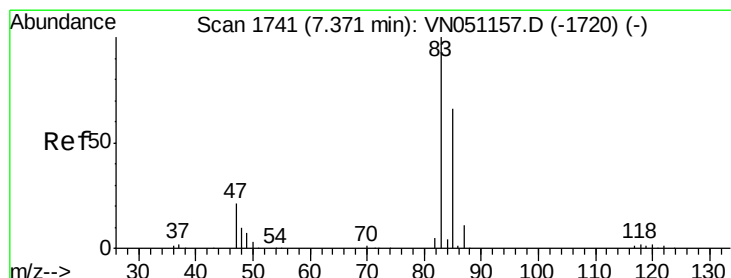
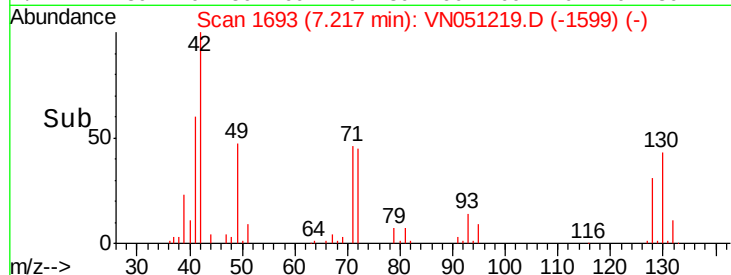
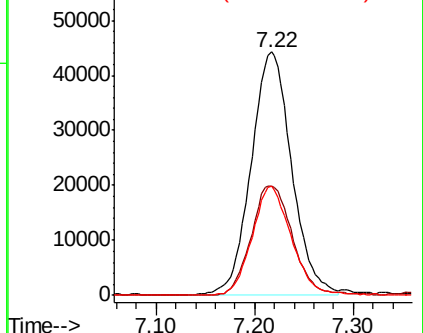
#29  
Tetrahydrofuran  
Concen: 74.57 ug/l  
RT: 7.22 min Scan# 1693  
Delta R.T. 0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 42 Resp: 126170  
Ion Ratio Lower Upper  
42 100  
72 45.5 37.4 56.0  
71 43.2 34.7 52.1

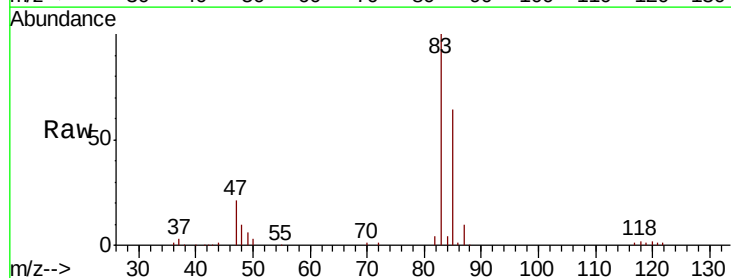


Abundance Ion 42.00 (41.70 to 42.70): VN0  
Ion 72.00 (71.70 to 72.70): VN0  
Ion 71.00 (70.70 to 71.70): VN0

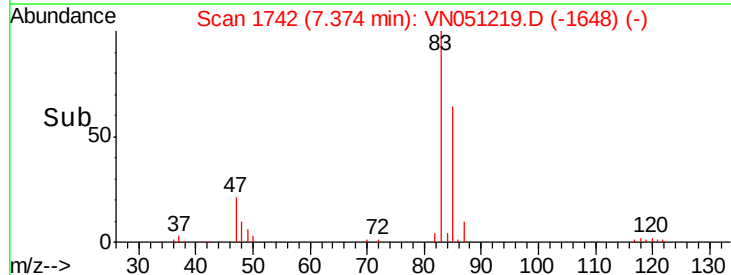
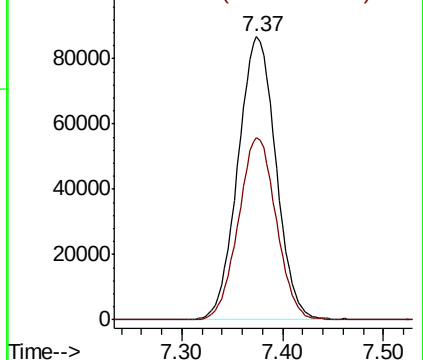


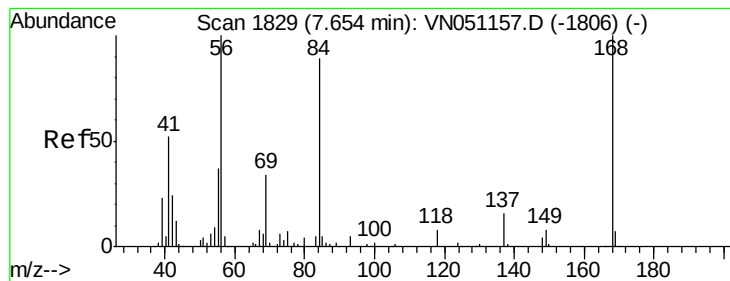
#30  
Chloroform  
Concen: 17.95 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

Tgt Ion: 83 Resp: 226371  
Ion Ratio Lower Upper  
83 100  
85 64.2 52.6 79.0



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





#31

Cyclohexane

Concen: 17.48 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA\_N

ClientSampleId :

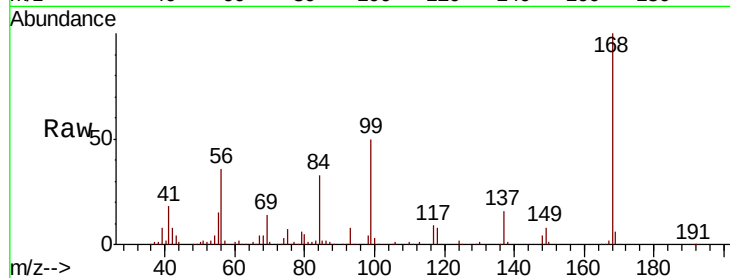
Tot Ion: 56 Resp: 199273

Ion Ratio Lower Upper

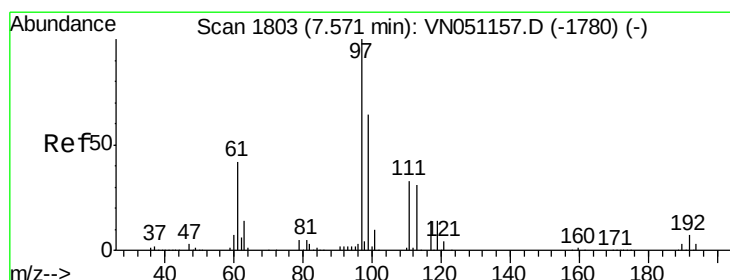
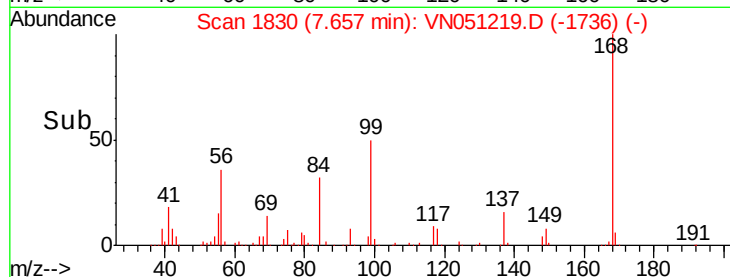
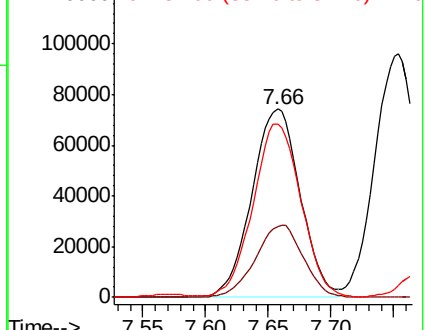
56 100

69 37.2 26.3 39.5

84 91.1 69.4 104.0



Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.04 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

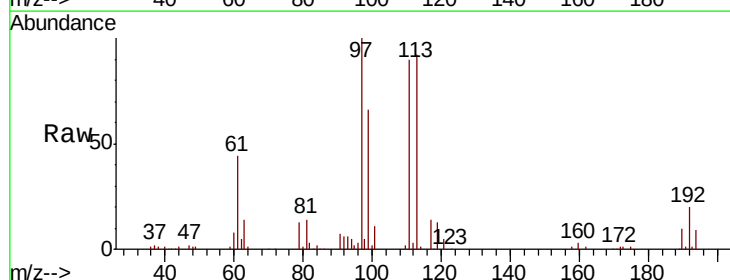
Tgt Ion: 97 Resp: 193826

Ion Ratio Lower Upper

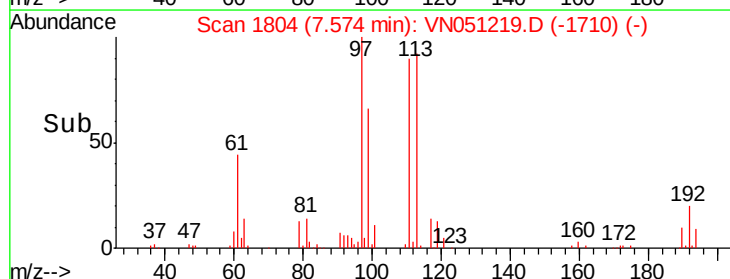
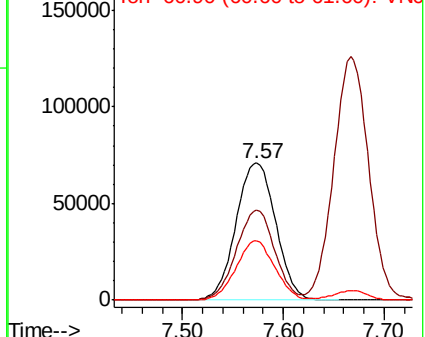
97 100

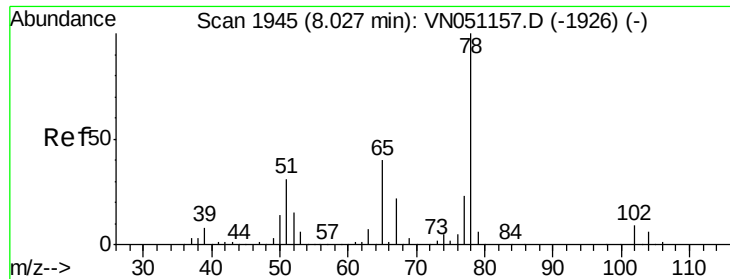
99 63.5 51.6 77.4

61 42.4 33.8 50.6



Abundance Ion 96.90 (96.60 to 97.60): VN0  
Ion 98.90 (98.60 to 99.60): VN0  
Ion 60.90 (60.60 to 61.60): VN0

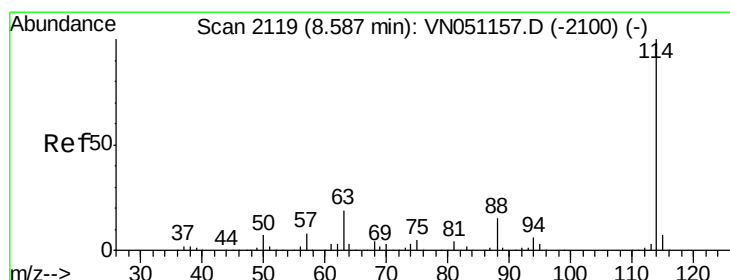
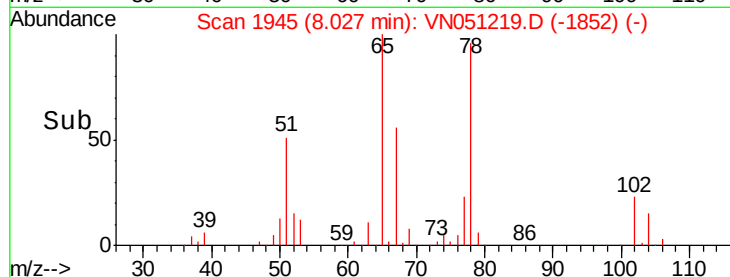
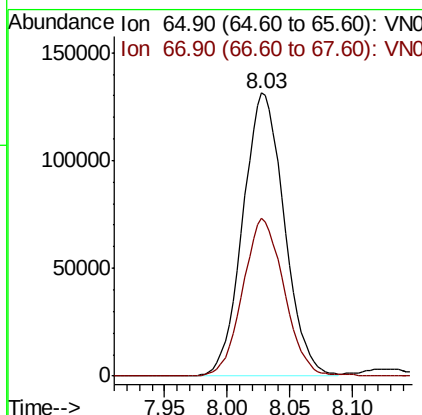
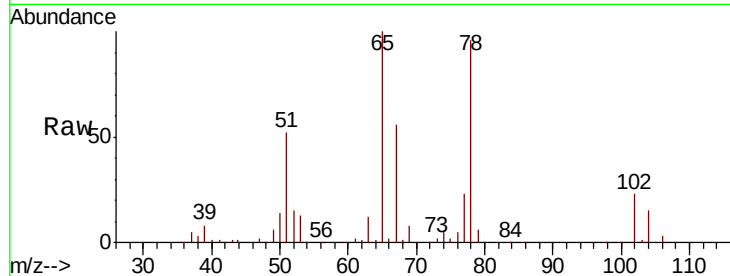




#33  
 1,2-Dichloroethane-d4  
 Concen: 43.88 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN051219.D  
 Acq: 15 Sep 2018 13:52

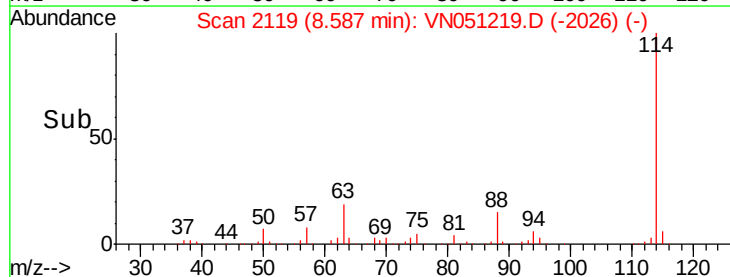
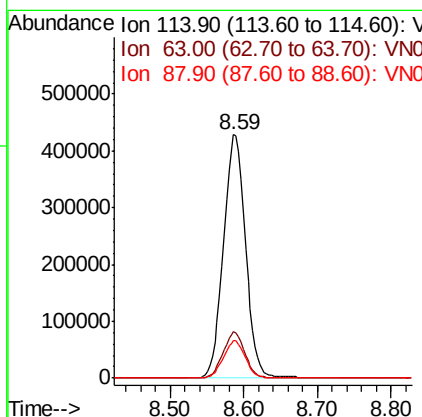
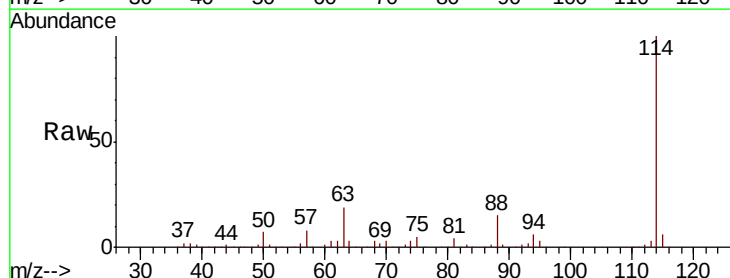
Instrument :  
 MSVOA\_N  
 ClientSampleId :

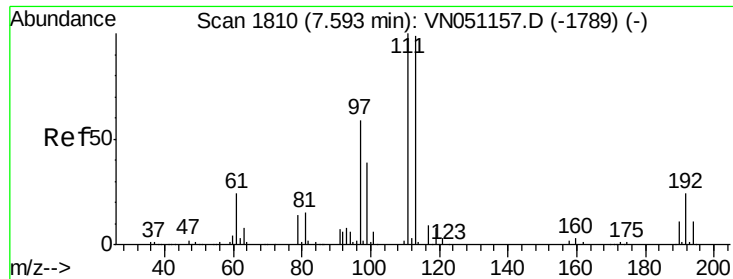
Tot Ion: 65 Resp: 302368  
 Ion Ratio Lower Upper  
 65 100  
 67 55.7 0.0 112.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN051219.D  
 Acq: 15 Sep 2018 13:52

Tgt Ion: 114 Resp: 893393  
 Ion Ratio Lower Upper  
 114 100  
 63 19.0 0.0 37.8  
 88 15.4 0.0 30.8

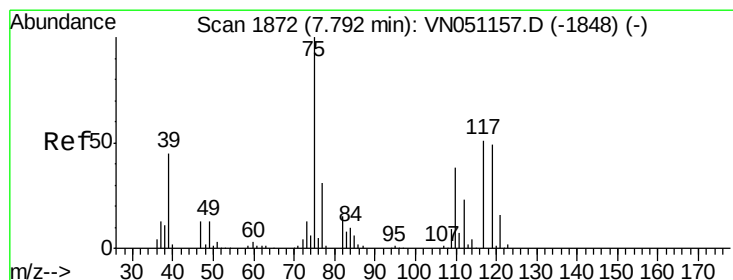
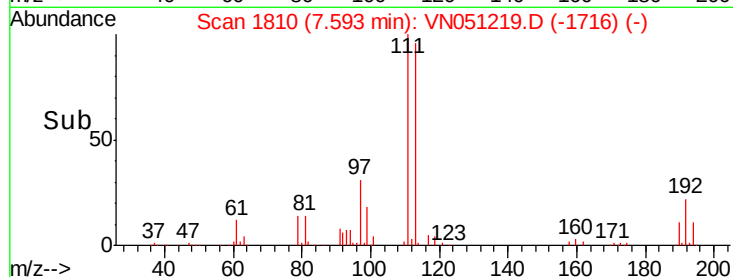
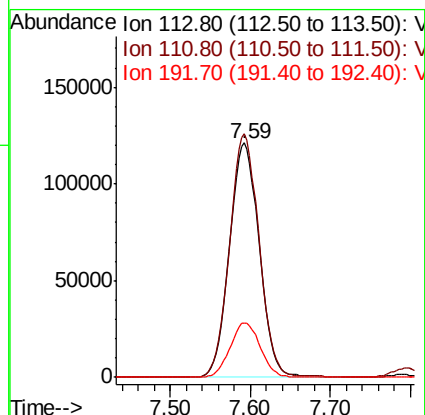
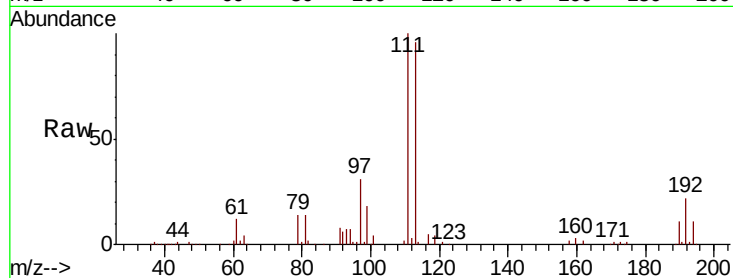




#35  
 Dibromofluoromethane  
 Concen: 45.73 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN051219.D  
 Acq: 15 Sep 2018 13:52

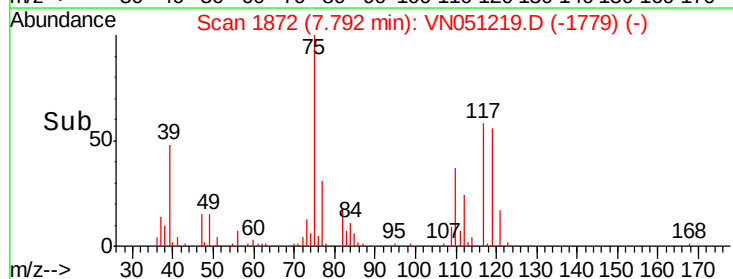
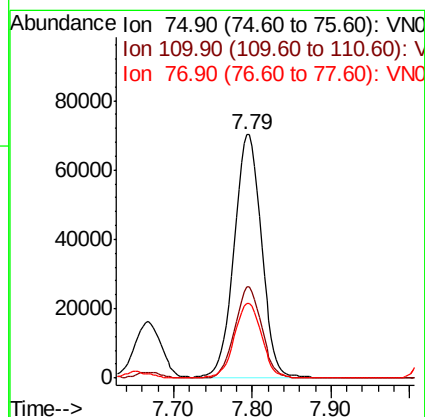
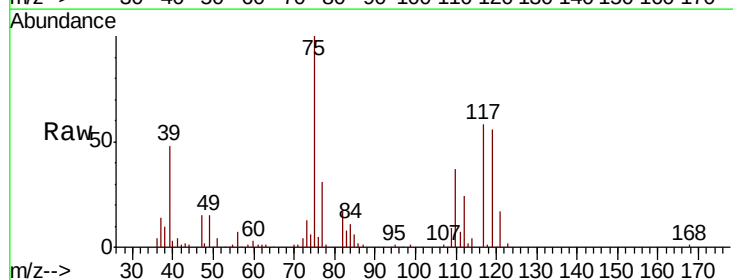
Instrument :  
 MSVOA\_N  
 ClientSampleId :

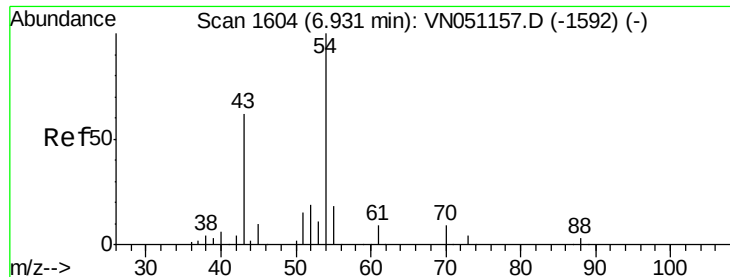
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.2 | 83.0  | 124.6 |
| 192     | 23.4  | 18.7  | 28.1  |



#36  
 1,1-Dichloropropene  
 Concen: 17.43 ug/l  
 RT: 7.79 min Scan# 1872  
 Delta R.T. -0.00 min  
 Lab File: VN051219.D  
 Acq: 15 Sep 2018 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.5  | 18.6  | 55.8  |
| 77      | 30.8  | 25.2  | 37.8  |

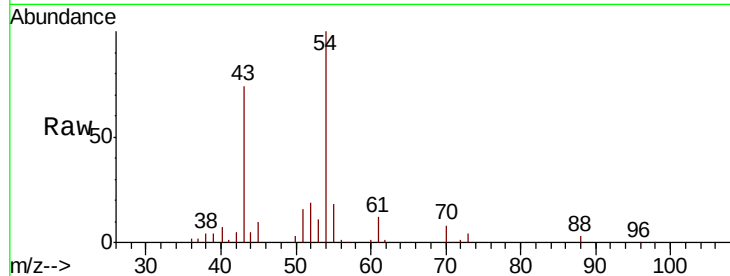




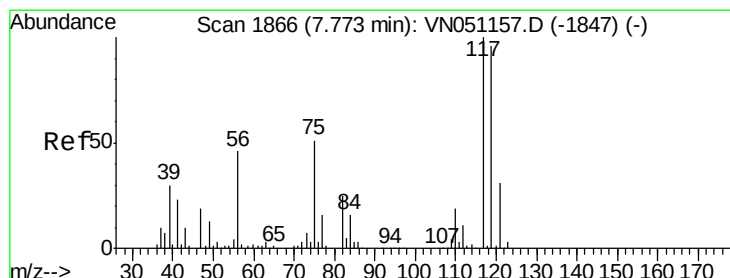
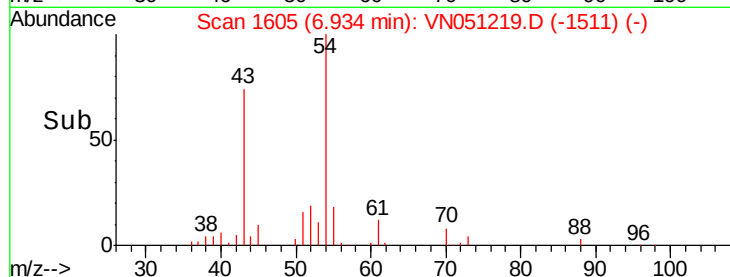
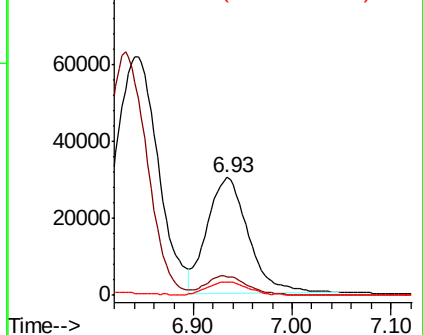
#37  
Ethyl Acetate  
Concen: 15.54 ug/l  
RT: 6.93 min Scan# 1605  
Delta R.T. 0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 43 Resp: 88251  
Ion Ratio Lower Upper  
43 100  
61 15.8 12.4 18.6  
70 10.2 9.3 13.9

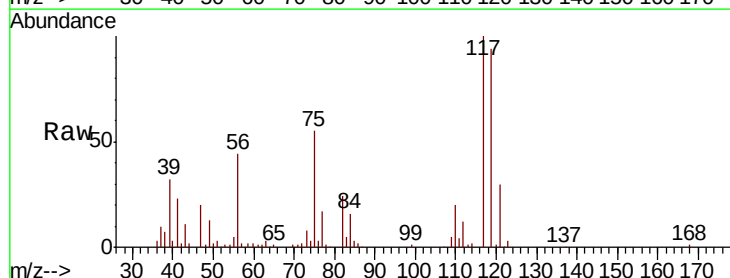


Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 70.00 (69.70 to 70.70): VN0

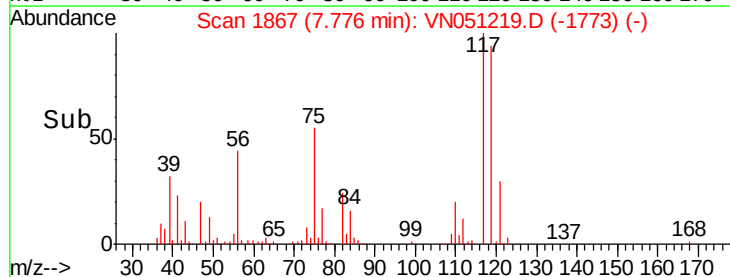
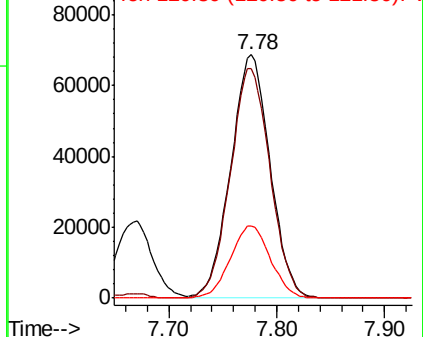


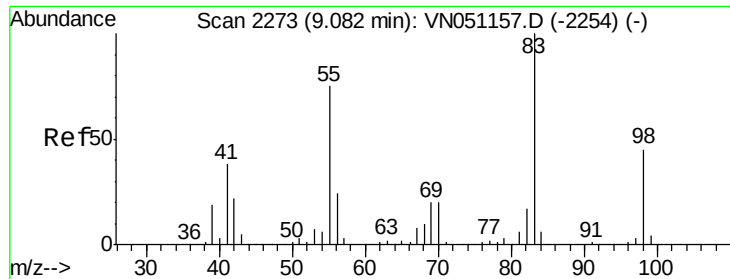
#38  
Carbon Tetrachloride  
Concen: 18.07 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

Tgt Ion: 117 Resp: 174477  
Ion Ratio Lower Upper  
117 100  
119 94.3 76.8 115.2  
121 29.7 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

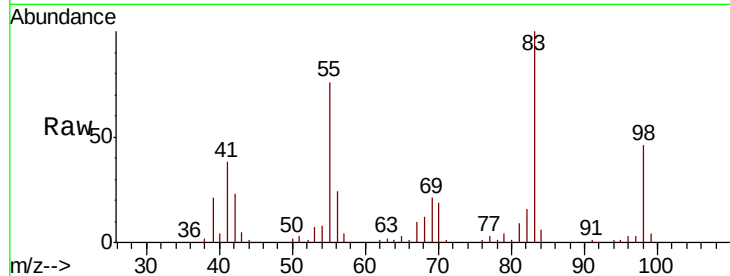




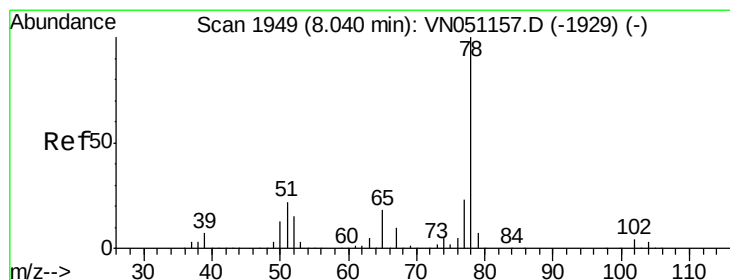
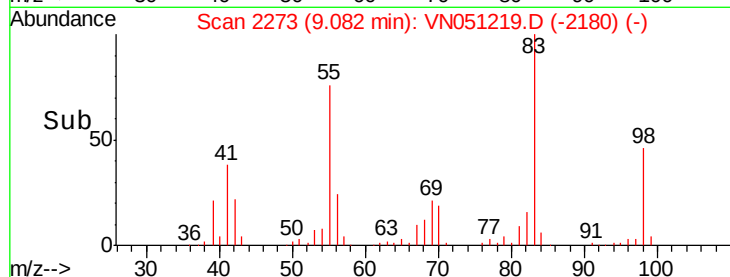
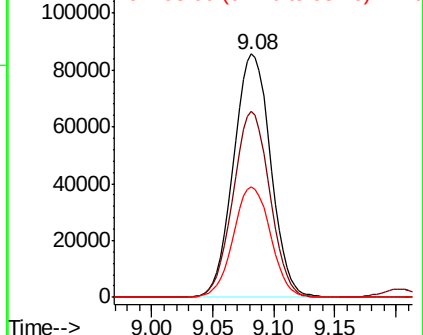
#39  
Methylvlcyclohexane  
Concen: 16.73 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. -0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 83 Resp: 181052  
Ion Ratio Lower Upper  
83 100  
55 76.5 58.4 87.6  
98 45.5 37.3 55.9

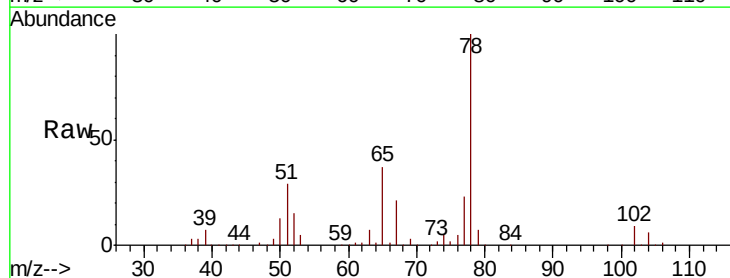


Abundance Ion 83.00 (82.70 to 83.70): VN0  
Ion 55.00 (54.70 to 55.70): VN0  
Ion 98.00 (97.70 to 98.70): VN0

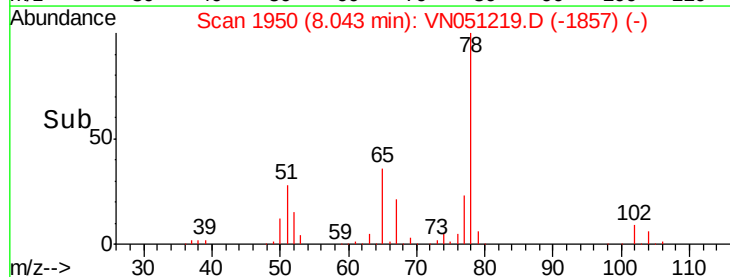
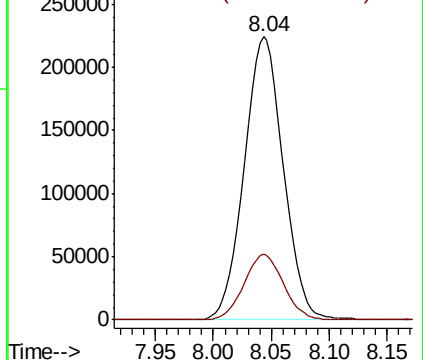


#40  
Benzene  
Concen: 17.75 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. -0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

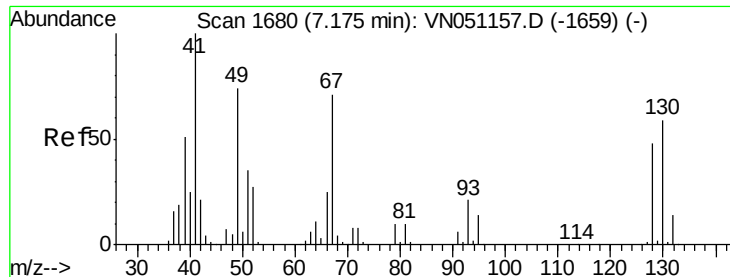
Tgt Ion: 78 Resp: 524688  
Ion Ratio Lower Upper  
78 100  
77 23.3 18.6 27.8



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



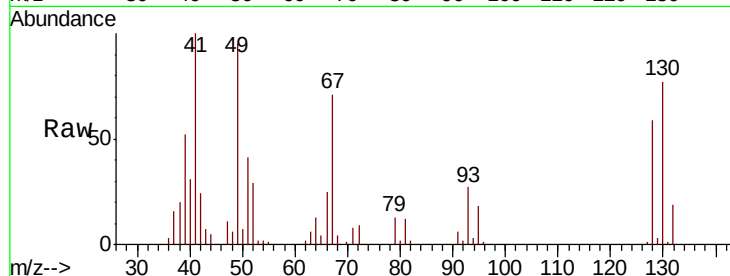




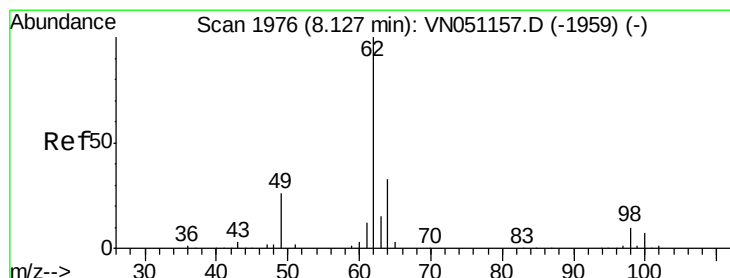
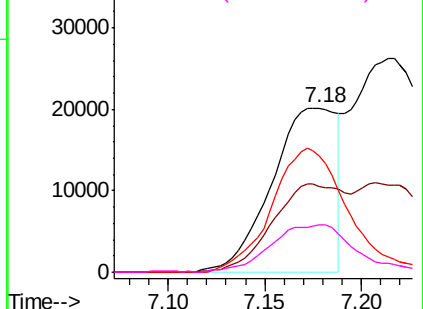
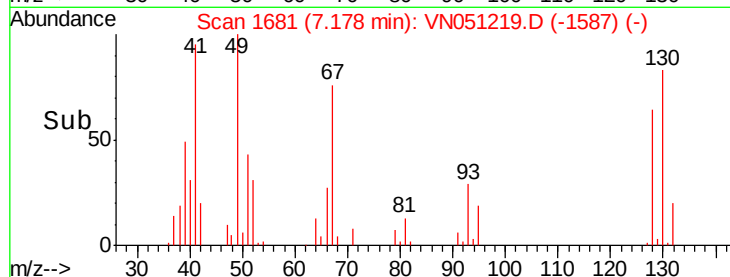
#41  
Methacrylonitrile  
Concen: 16.07 ug/l  
RT: 7.18 min Scan# 1681  
Delta R.T. 0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 41 Resp: 47091  
Ion Ratio Lower Upper  
41 100  
39 60.4 51.3 76.9  
67 88.2 78.5 117.7  
52 37.2 29.0 43.6

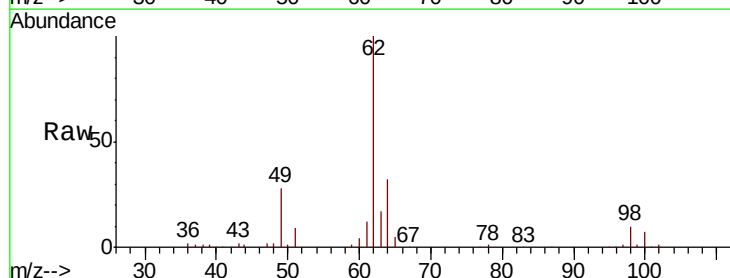


Abundance Ion 41.00 (40.70 to 41.70): VNO  
Ion 39.00 (38.70 to 39.70): VNO  
Ion 67.00 (66.70 to 67.70): VNO  
Ion 52.00 (51.70 to 52.70): VNO

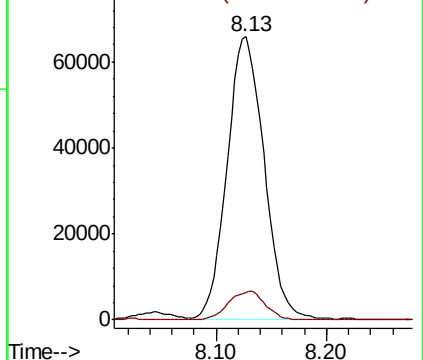
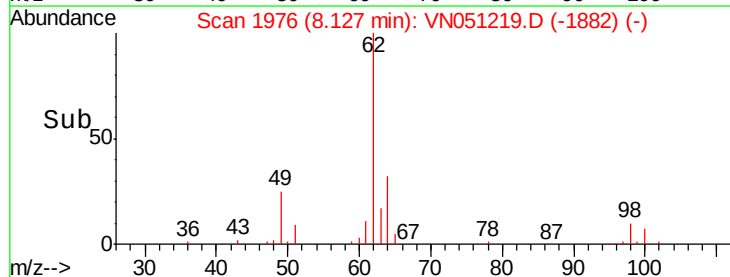


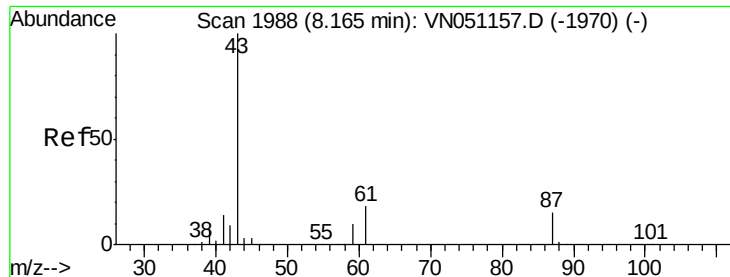
#42  
1,2-Dichloroethane  
Concen: 17.71 ug/l  
RT: 8.13 min Scan# 1976  
Delta R.T. 0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

Tgt Ion: 62 Resp: 152578  
Ion Ratio Lower Upper  
62 100  
98 10.1 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VNO  
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 15.97 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA\_N

ClientSampled :

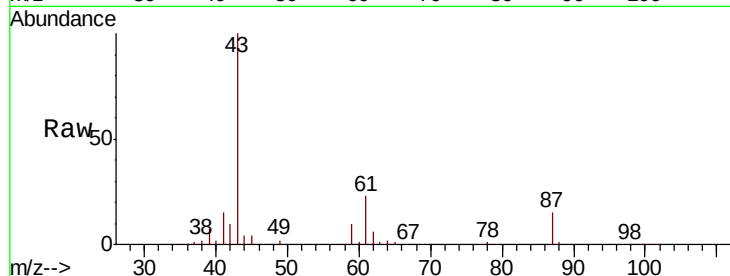
Tot Ion: 43 Resp: 160079

Ion Ratio Lower Upper

43 100

61 31.3 25.0 37.6

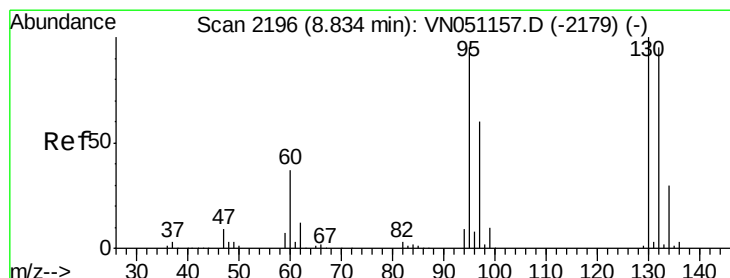
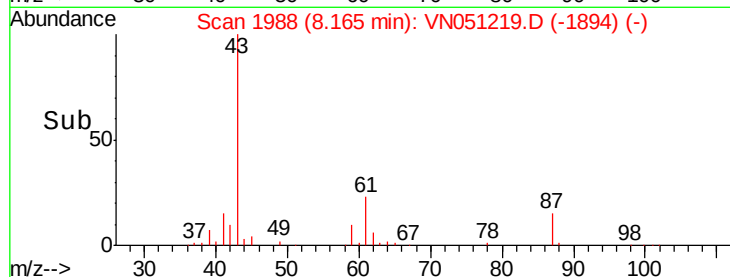
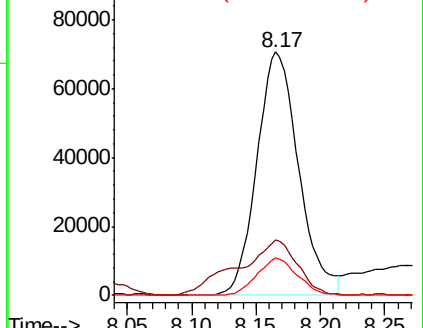
87 14.8 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VN051157.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN051157.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN051157.D (-1970) (-)



#44

Trichloroethene

Concen: 17.39 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051219.D

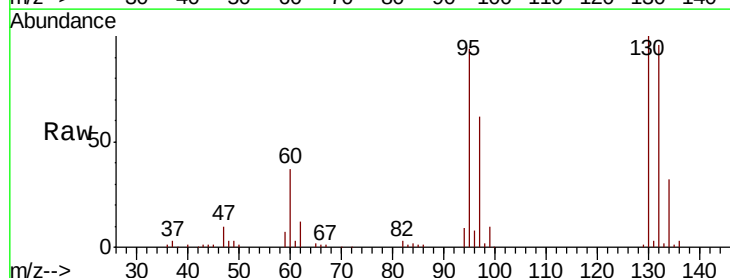
Acq: 15 Sep 2018 13:52

Tgt Ion:130 Resp: 140598

Ion Ratio Lower Upper

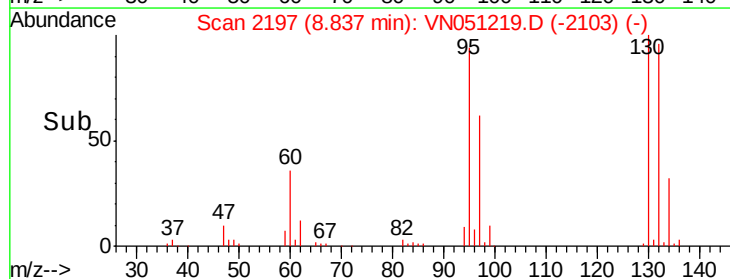
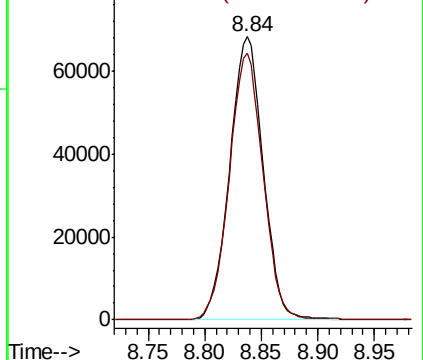
130 100

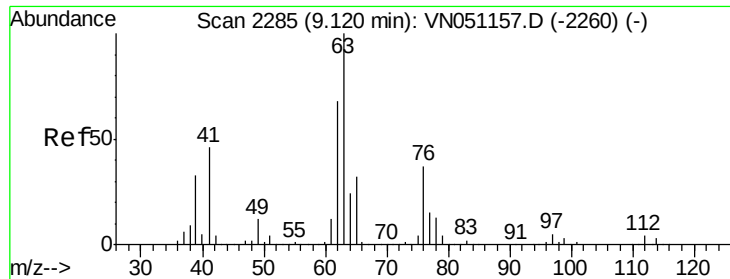
95 94.4 0.0 186.2



Abundance Ion 129.80 (129.50 to 130.50): VN051157.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051157.D (-2179) (-)

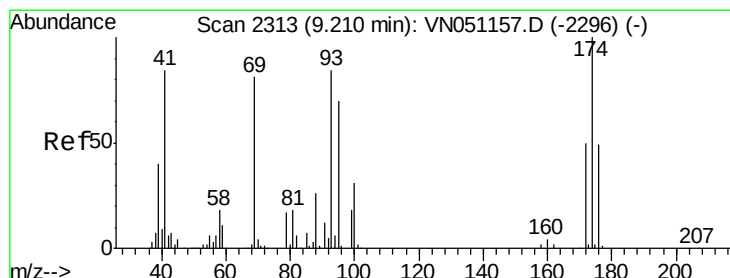
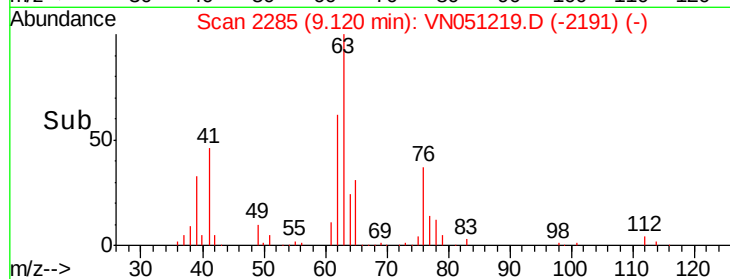
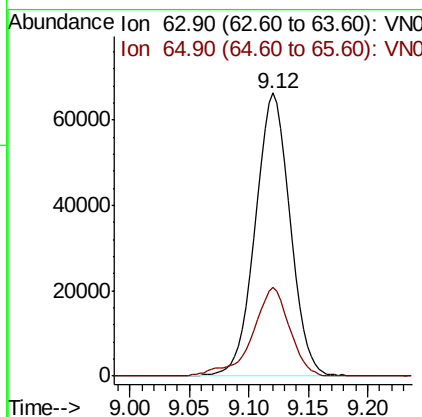
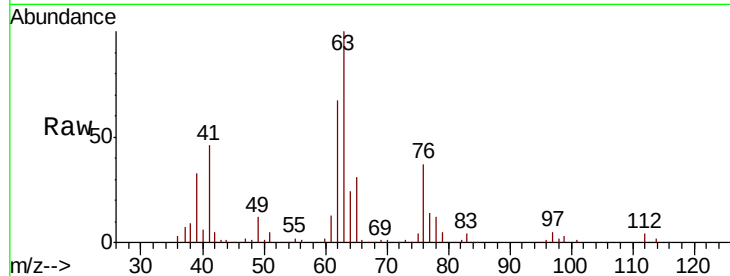




#45  
 1,2-Dichloropropane  
 Concen: 17.64 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. 0.00 min  
 Lab File: VN051219.D  
 Acq: 15 Sep 2018 13:52

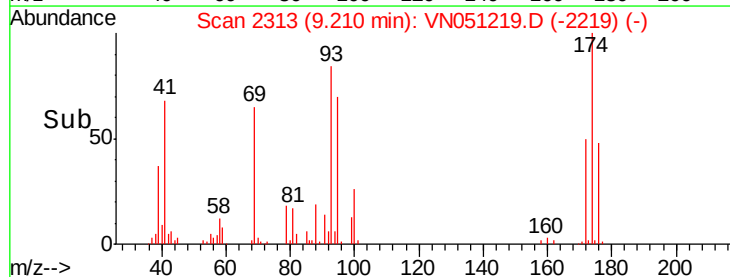
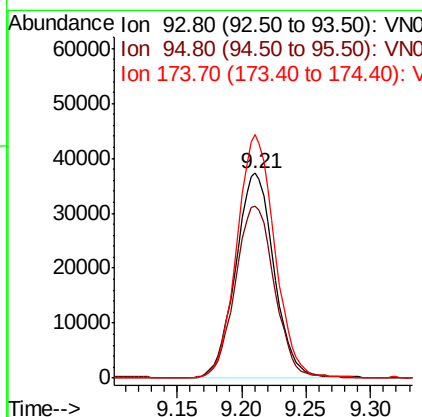
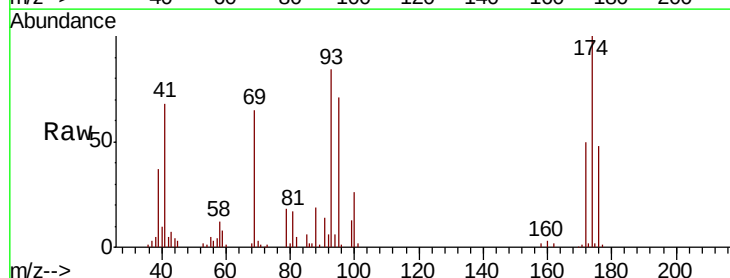
Instrument :  
 MSVOA\_N  
 ClientSampled :

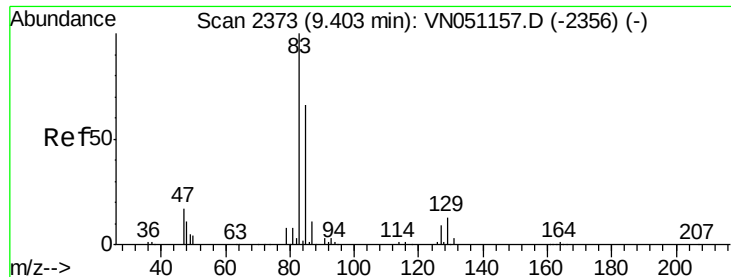
Tot Ion: 63 Resp: 134723  
 Ion Ratio Lower Upper  
 63 100  
 65 31.4 24.7 37.1



#46  
 Dibromomethane  
 Concen: 16.62 ug/l  
 RT: 9.21 min Scan# 2313  
 Delta R.T. 0.00 min  
 Lab File: VN051219.D  
 Acq: 15 Sep 2018 13:52

Tgt Ion: 93 Resp: 77443  
 Ion Ratio Lower Upper  
 93 100  
 95 85.2 66.8 100.2  
 174 117.1 93.3 139.9





#47

Bromodichloromethane

Concen: 17.94 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA\_N

ClientSampled :

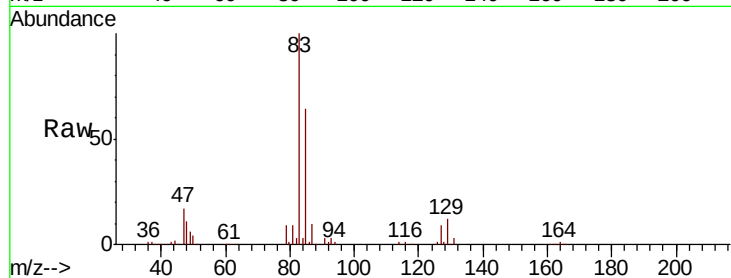
Tot Ion: 83 Resp: 169978

Ion Ratio Lower Upper

83 100

85 63.7 52.3 78.5

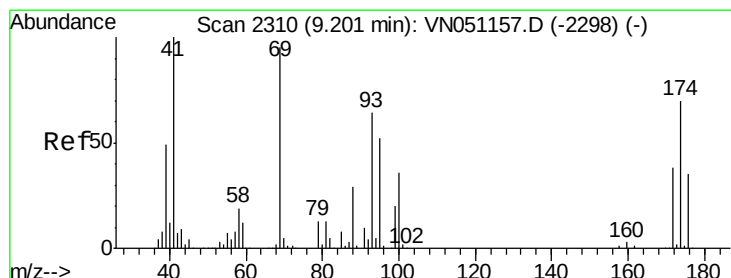
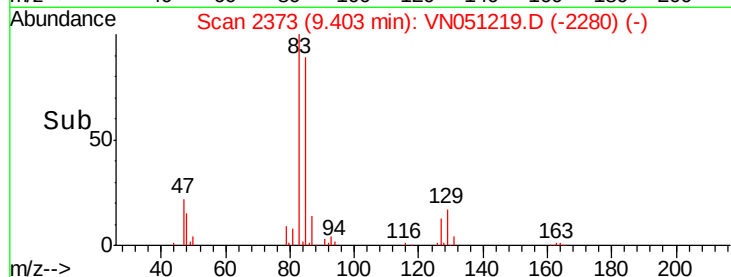
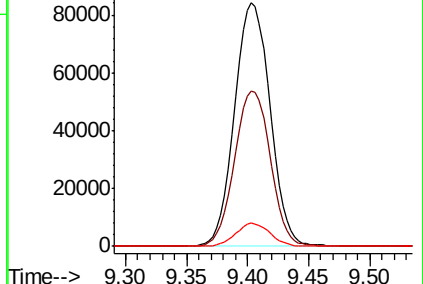
127 9.5 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VN051219.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN051219.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN051219.D (-2280) (-)



#48

Methyl methacrylate

Concen: 15.45 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

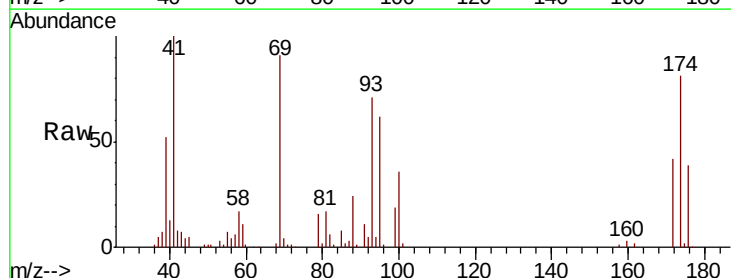
Tgt Ion: 41 Resp: 75472

Ion Ratio Lower Upper

41 100

69 97.5 77.7 116.5

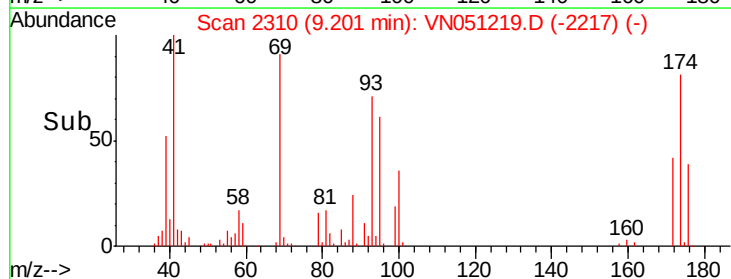
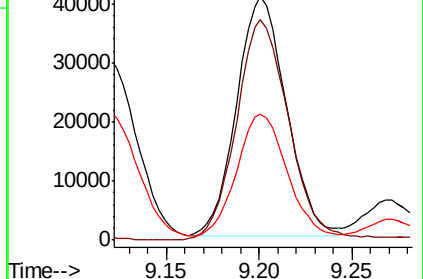
39 53.8 41.6 62.4

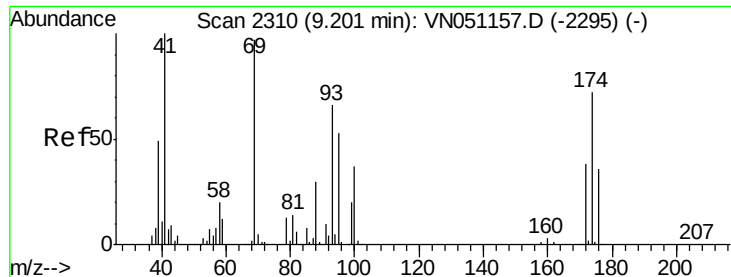


Abundance Ion 41.00 (40.70 to 41.70): VN051219.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN051219.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051219.D (-2217) (-)

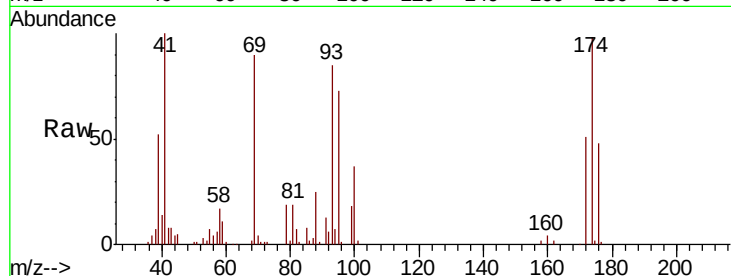




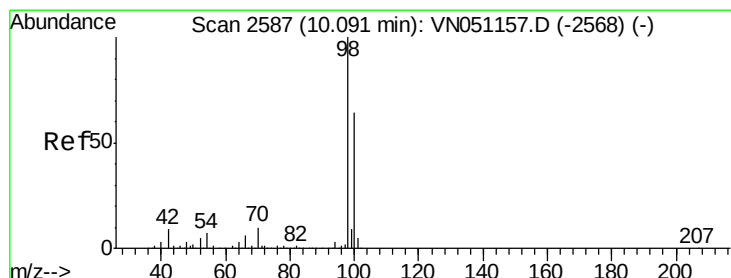
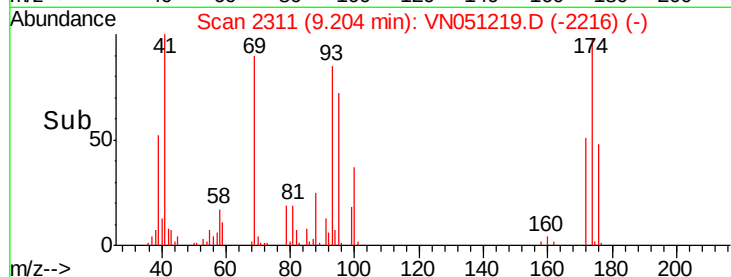
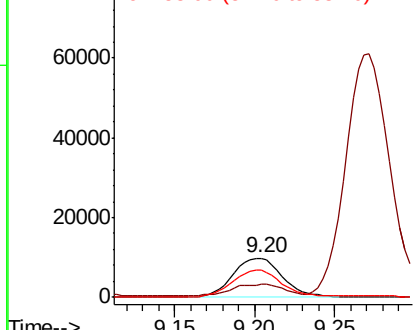
#49  
1,4-Dioxane  
Concen: 272.67 ug/l  
RT: 9.20 min Scan# 2311  
Delta R.T. 0.01 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 88 Resp: 20886  
Ion Ratio Lower Upper  
88 100  
43 32.3 23.7 35.5  
58 69.0 54.6 82.0

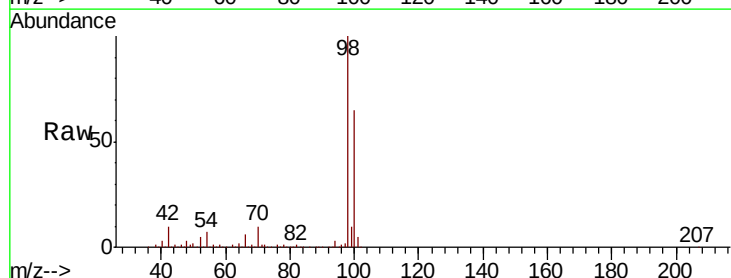


Abundance Ion 88.00 (87.70 to 88.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 58.00 (57.70 to 58.70): VN0

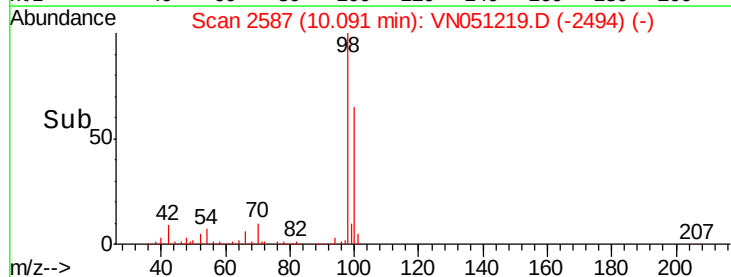
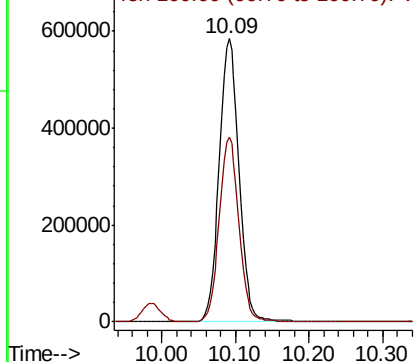


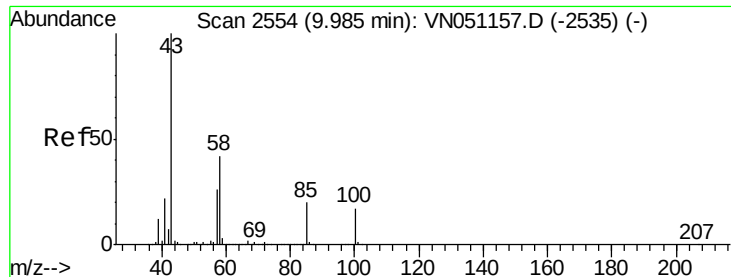
#50  
Toluene-d8  
Concen: 42.87 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. -0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

Tgt Ion: 98 Resp: 1092033  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.0 78.0



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

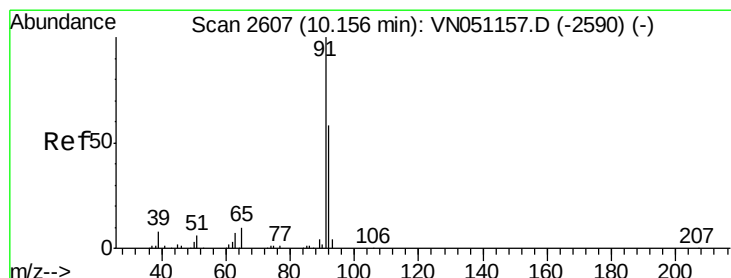
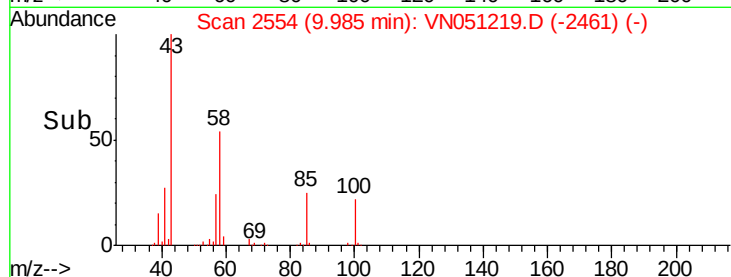
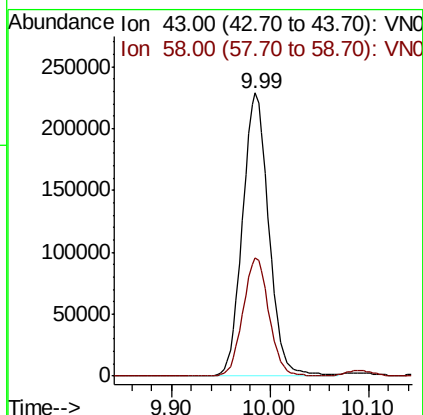
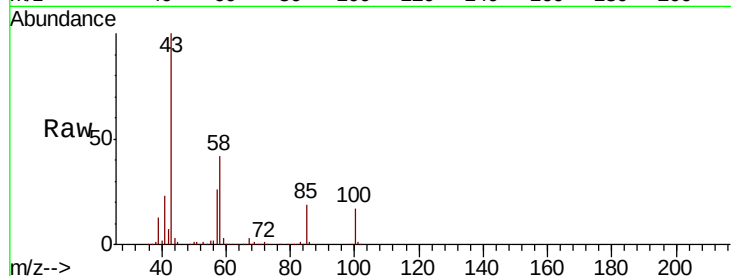




#51  
 4-Methyl-2-Pentanone  
 Concen: 75.73 ug/l  
 RT: 9.99 min Scan# 2554  
 Delta R.T. -0.00 min  
 Lab File: VN051219.D  
 Acq: 15 Sep 2018 13:52

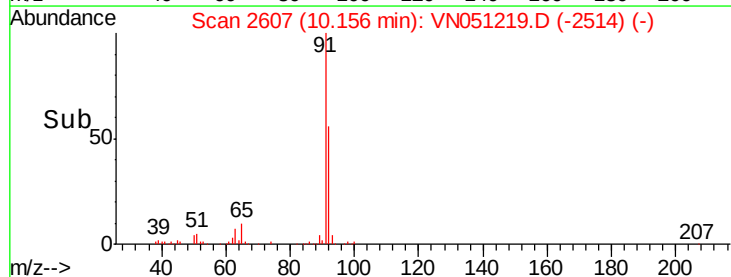
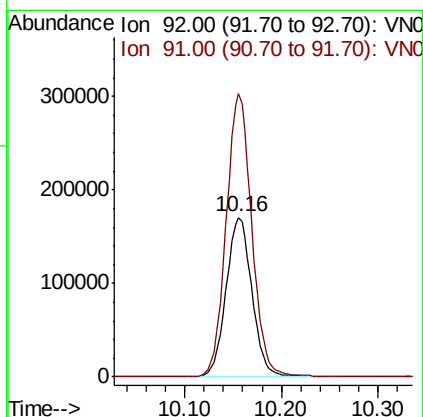
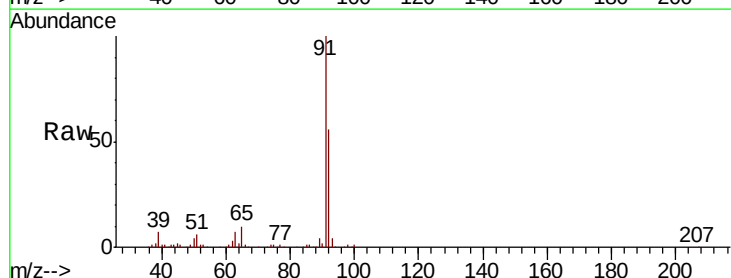
Instrument :  
 MSVOA\_N  
 ClientSampled :

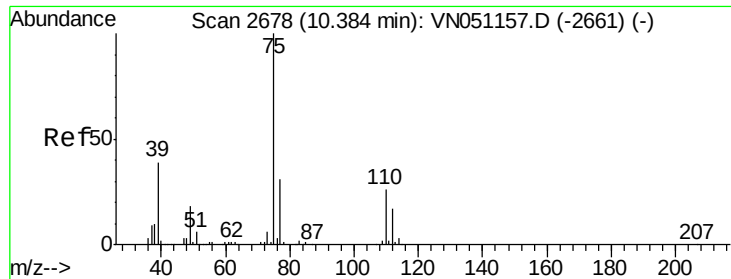
Tot Ion: 43 Resp: 419779  
 Ion Ratio Lower Upper  
 43 100  
 58 41.4 33.5 50.3



#52  
 Toluene  
 Concen: 17.53 ug/l  
 RT: 10.16 min Scan# 2607  
 Delta R.T. -0.00 min  
 Lab File: VN051219.D  
 Acq: 15 Sep 2018 13:52

Tgt Ion: 92 Resp: 315927  
 Ion Ratio Lower Upper  
 92 100  
 91 176.5 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 16.50 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA\_N

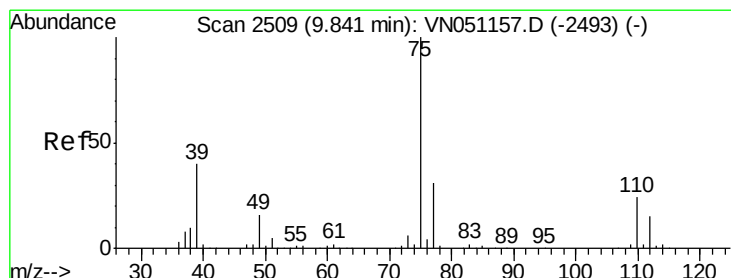
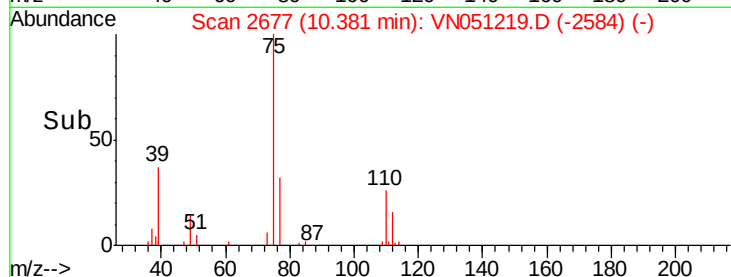
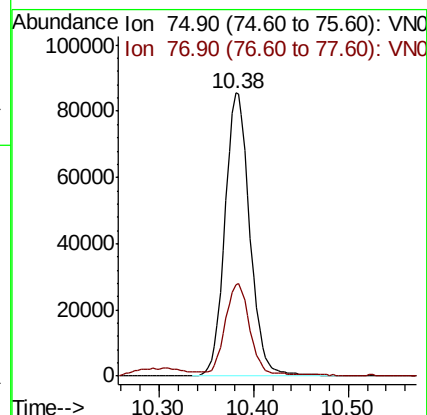
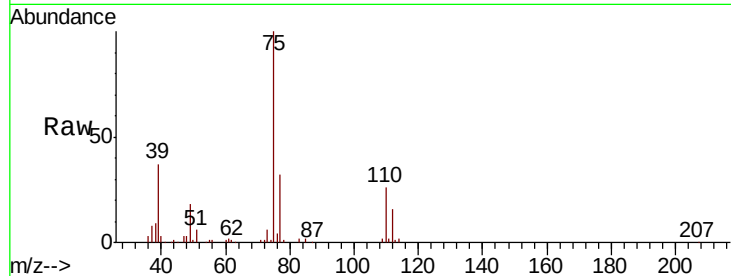
ClientSampleId :

Tot Ion: 75 Resp: 156459

Ion Ratio Lower Upper

75 100

77 32.0 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 16.93 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

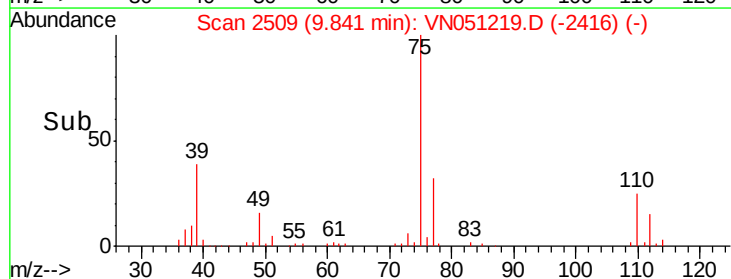
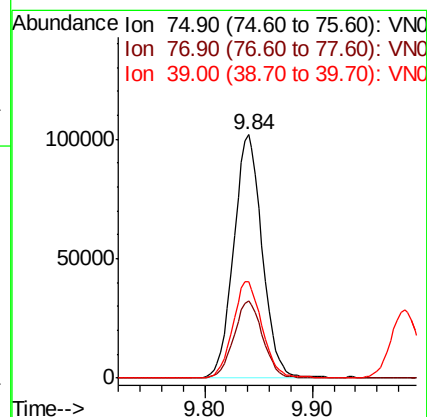
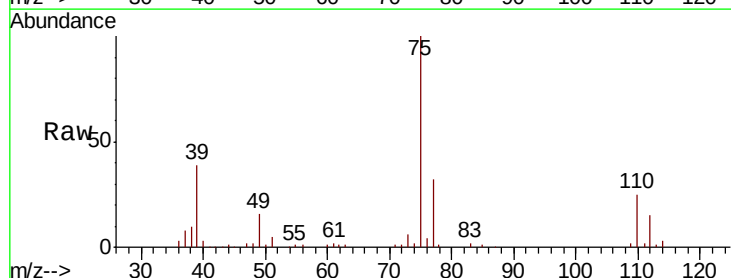
Tgt Ion: 75 Resp: 188297

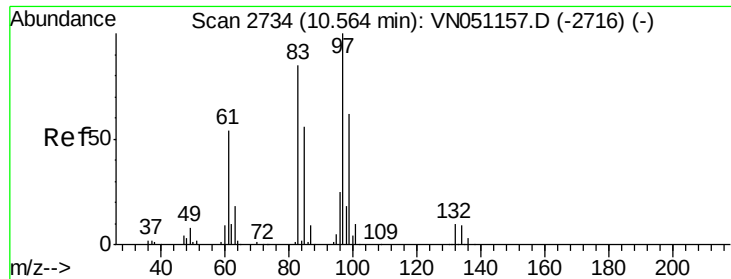
Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5

39 39.3 31.9 47.9

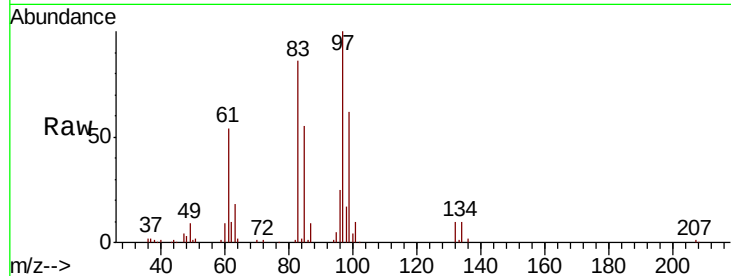




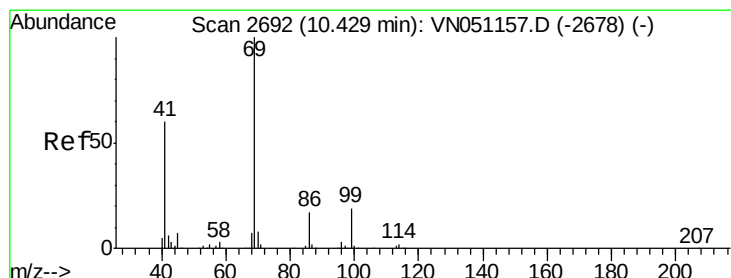
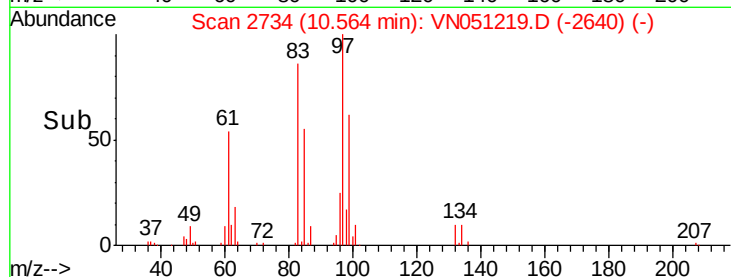
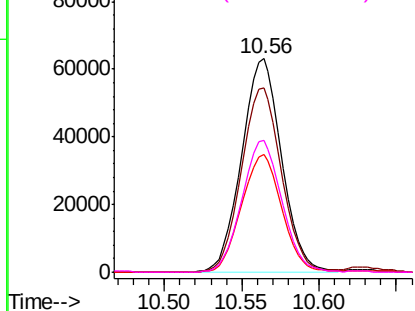
#55  
 1,1,2-Trichloroethane  
 Concen: 17.36 ug/l  
 RT: 10.56 min Scan# 2734  
 Delta R.T. 0.00 min  
 Lab File: VN051219.D  
 Acq: 15 Sep 2018 13:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 113660 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 86.1  | 68.2  | 102.2  |
| 85       | 55.4  | 44.8  | 67.2   |
| 99       | 61.5  | 50.2  | 75.4   |

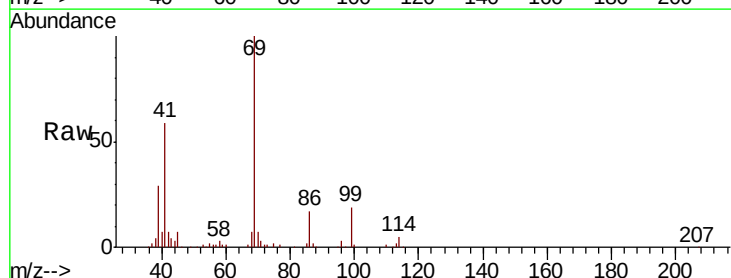


Abundance Ion 96.90 (96.60 to 97.60): VNO  
 Ion 82.90 (82.60 to 83.60): VNO  
 Ion 84.90 (84.60 to 85.60): VNO  
 Ion 98.90 (98.60 to 99.60): VNO

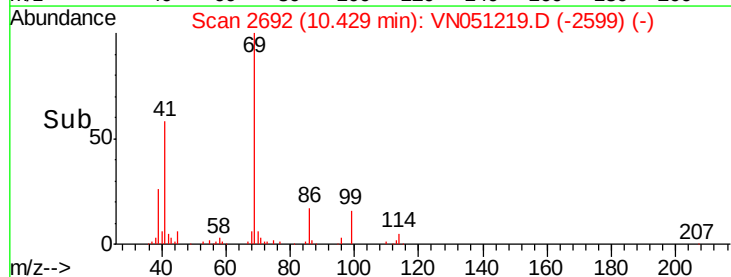
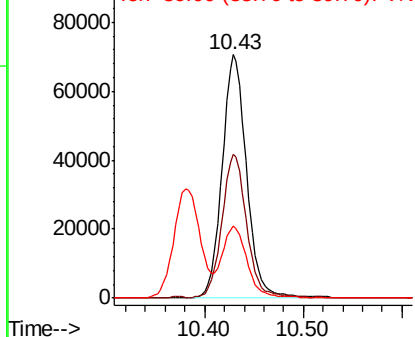


#56  
 Ethyl methacrylate  
 Concen: 15.80 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. -0.00 min  
 Lab File: VN051219.D  
 Acq: 15 Sep 2018 13:52

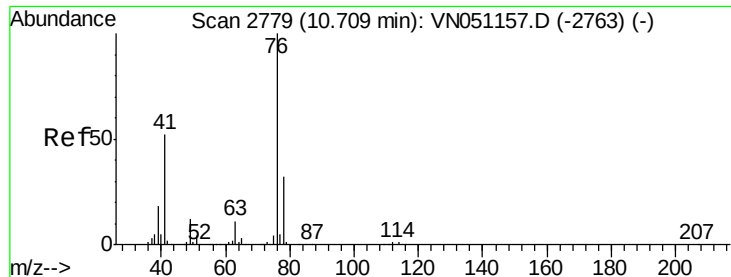
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 123293 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 58.3  | 47.8  | 71.8   |
| 39       | 29.6  | 23.0  | 34.4   |



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







#57

1,3-Dichloropropane

Concen: 17.10 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA\_N

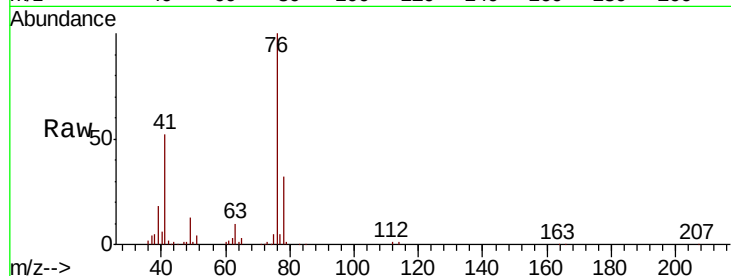
ClientSampled :

Tot Ion: 76 Resp: 185577

Ion Ratio Lower Upper

76 100

78 31.6 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN051157.D (-2763) (-)

Ion 77.90 (77.60 to 78.60): VN051157.D (-2763) (-)

10.71

120000

100000

80000

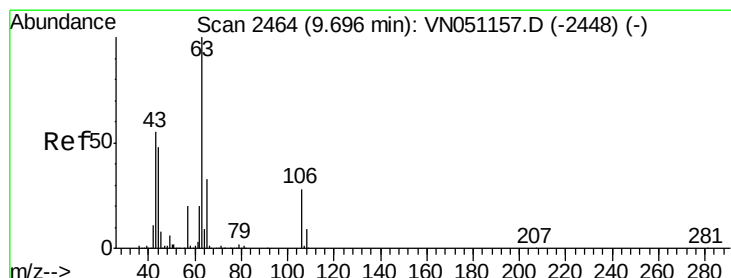
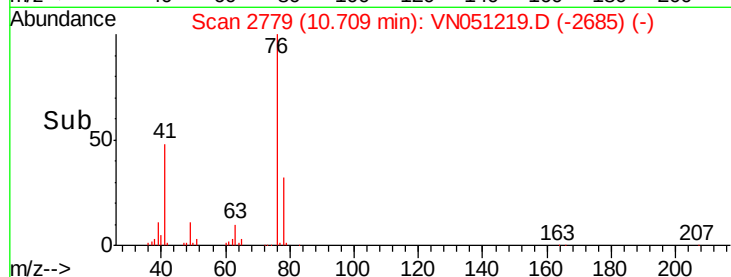
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 74.43 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051219.D

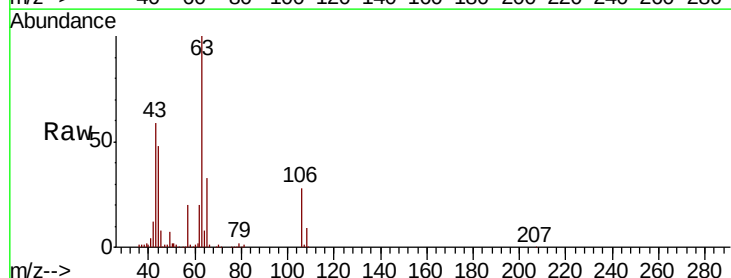
Acq: 15 Sep 2018 13:52

Tgt Ion: 63 Resp: 232846

Ion Ratio Lower Upper

63 100

106 28.7 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN051157.D (-2448) (-)

Ion 105.90 (105.60 to 106.60): VN051157.D (-2448) (-)

9.70

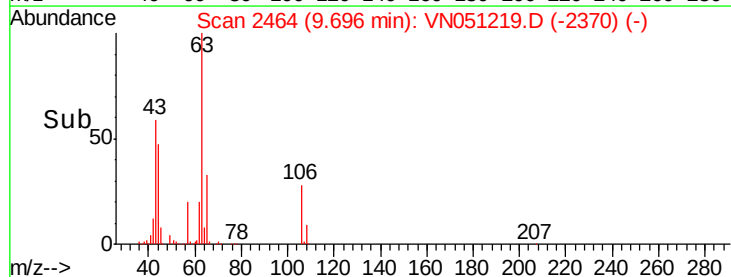
150000

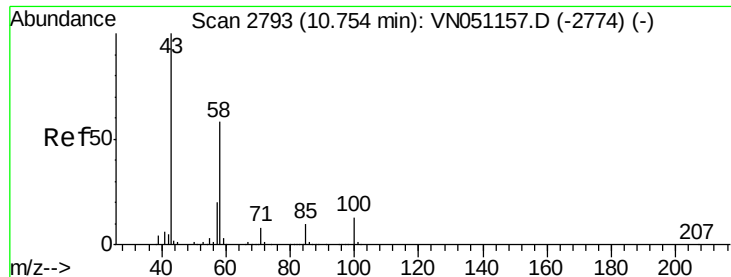
100000

50000

0

Time--> 9.60 9.70 9.80

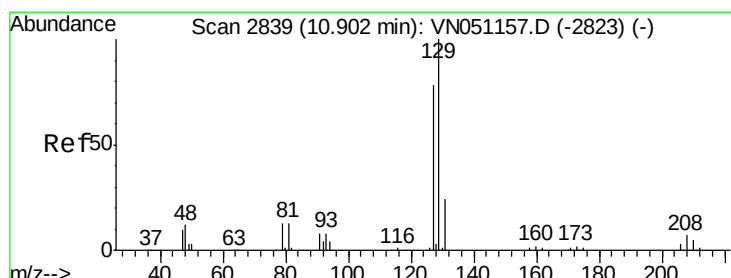
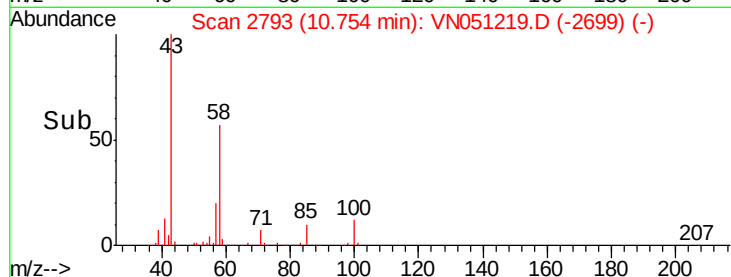
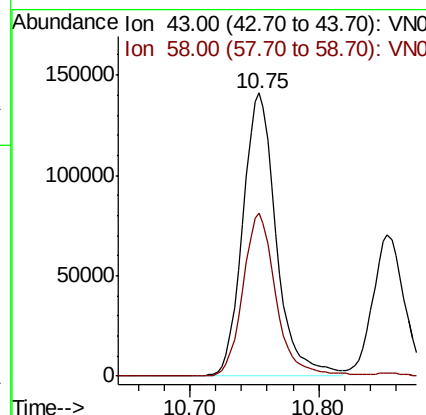
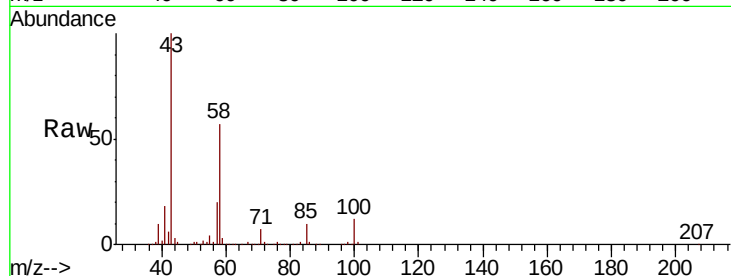




#59  
2-Hexanone  
Concen: 67.24 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

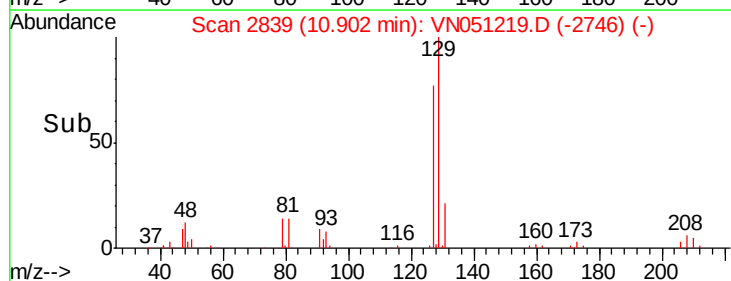
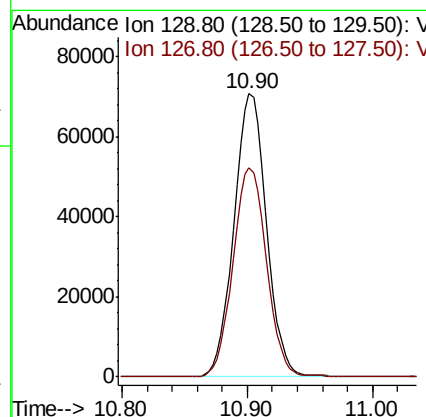
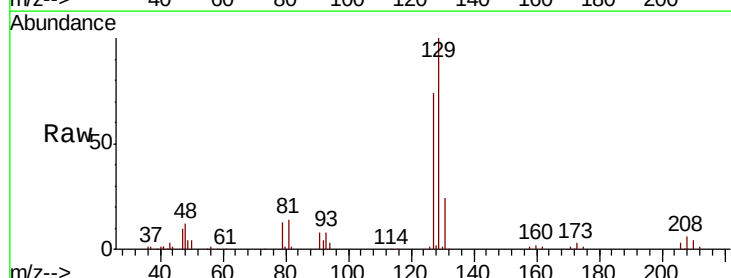
Instrument :  
MSVOA\_N  
ClientSampled :

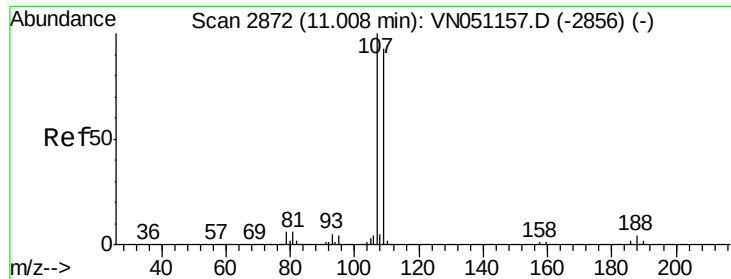
Tot Ion: 43 Resp: 252787  
Ion Ratio Lower Upper  
43 100  
58 57.1 29.3 88.0



#60  
Dibromochloromethane  
Concen: 17.30 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. -0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

Tgt Ion: 129 Resp: 127645  
Ion Ratio Lower Upper  
129 100  
127 76.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 16.67 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA\_N

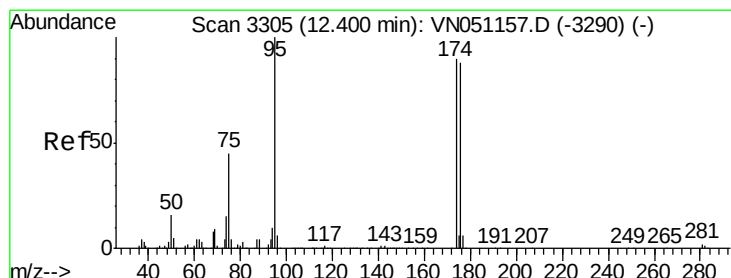
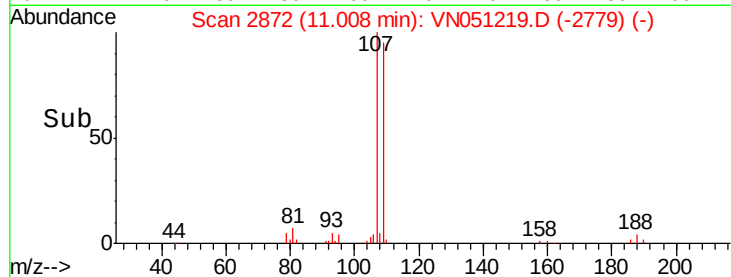
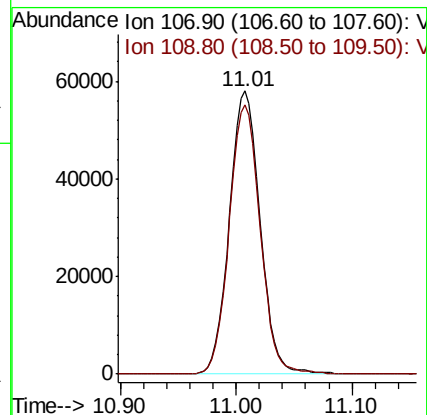
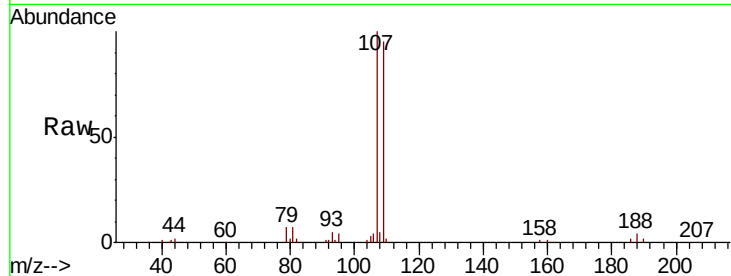
ClientSampleId :

Tot Ion:107 Resp: 106661

Ion Ratio Lower Upper

107 100

109 95.6 76.0 114.0



#62

4-Bromofluorobenzene

Concen: 40.09 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

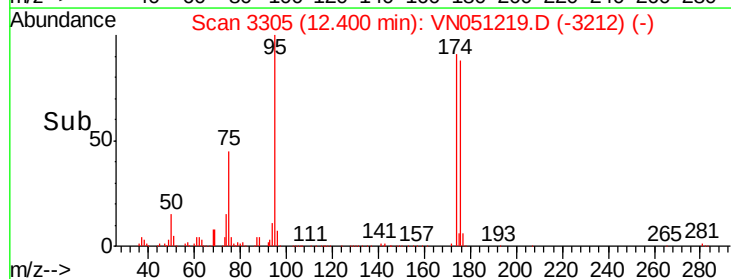
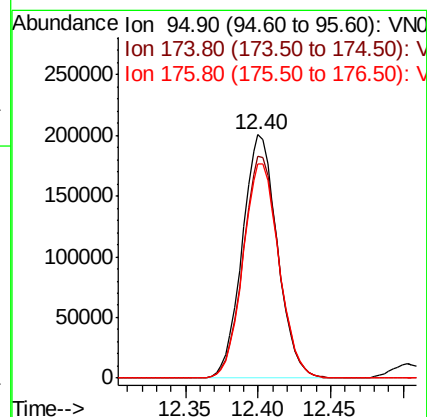
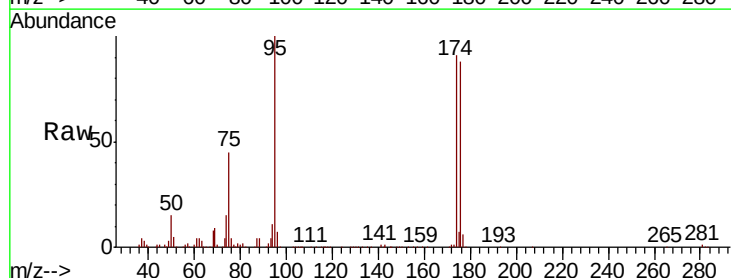
Tgt Ion: 95 Resp: 337788

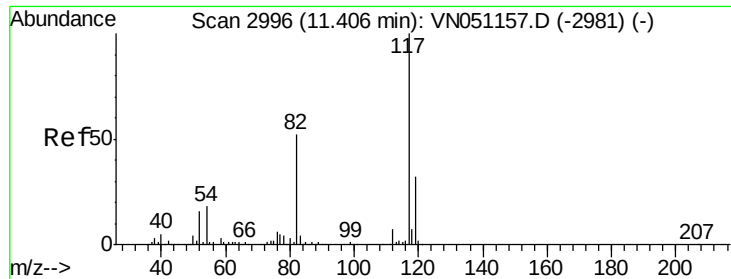
Ion Ratio Lower Upper

95 100

174 92.2 0.0 184.8

176 90.2 0.0 178.6

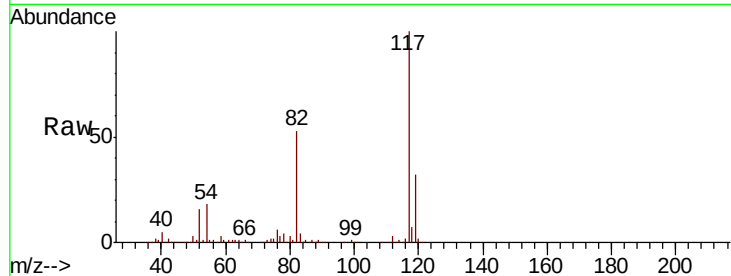




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.8  | 41.8  | 62.6  |
| 119     | 32.0  | 26.2  | 39.2  |

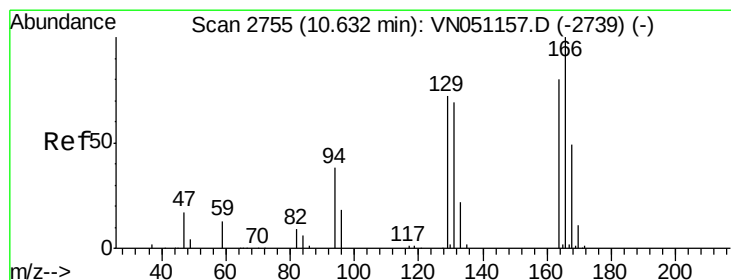
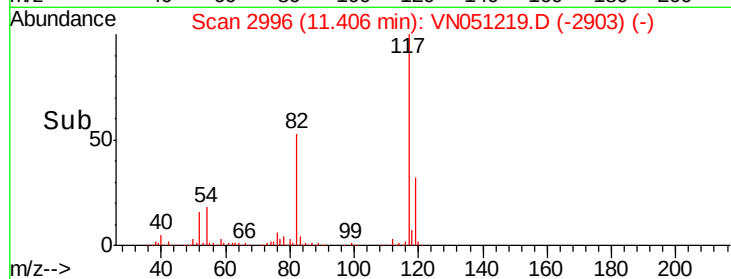
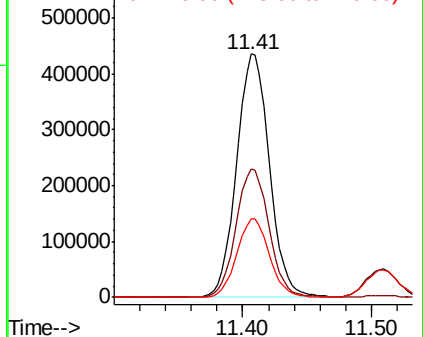


Abundance

Ion 116.90 (116.60 to 117.60): V

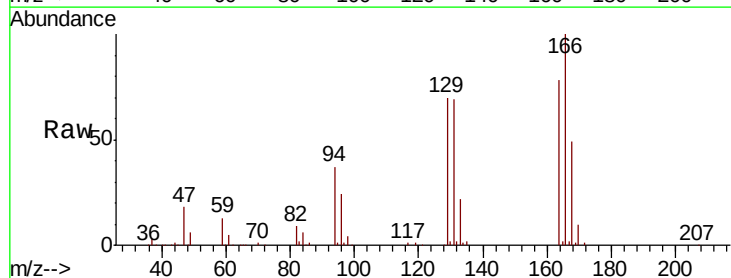
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64  
Tetrachloroethene  
Concen: 18.30 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. -0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.7 | 101.3 | 151.9 |
| 129     | 90.2  | 72.2  | 108.2 |
| 131     | 88.8  | 70.2  | 105.2 |



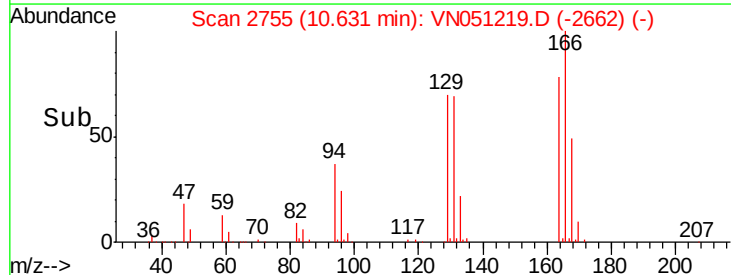
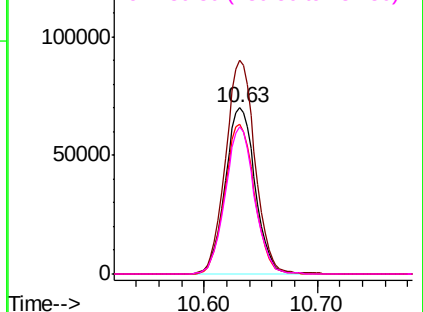
Abundance

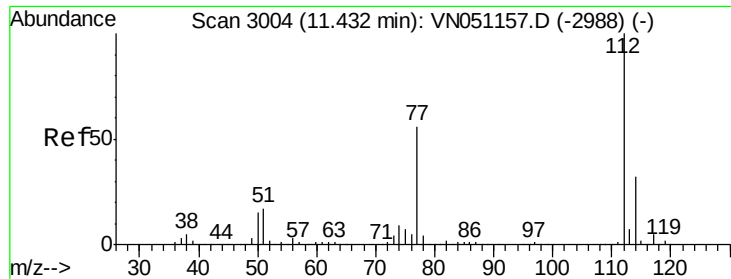
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

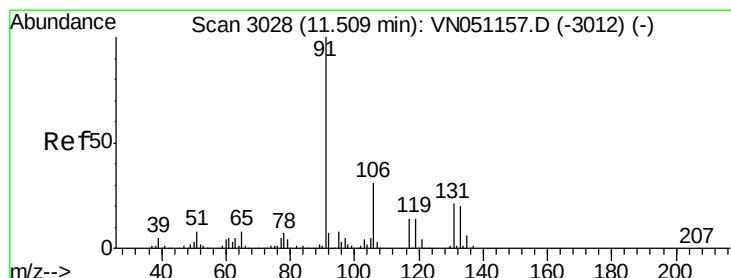
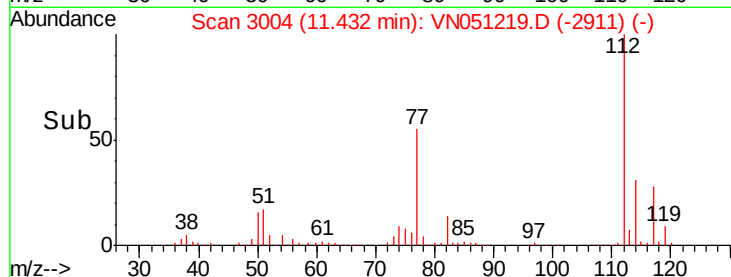
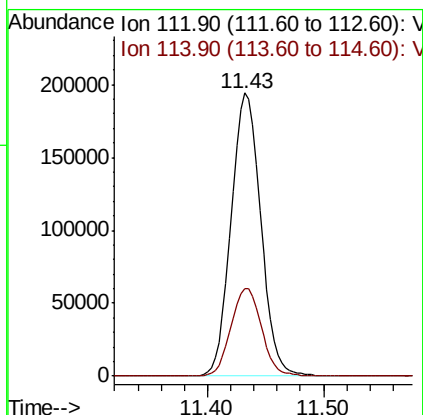
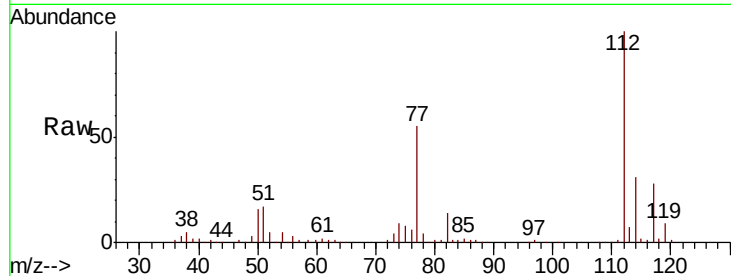




#65  
Chlorobenzene  
Concen: 17.65 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. -0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

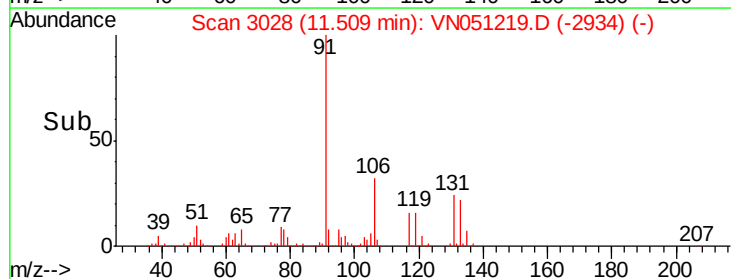
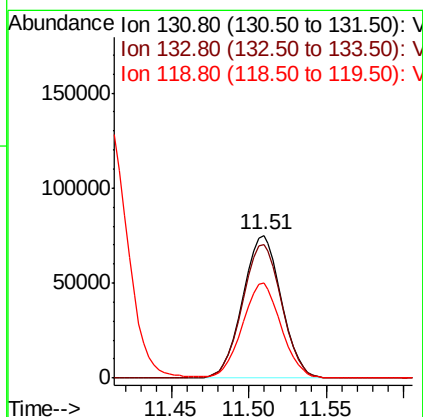
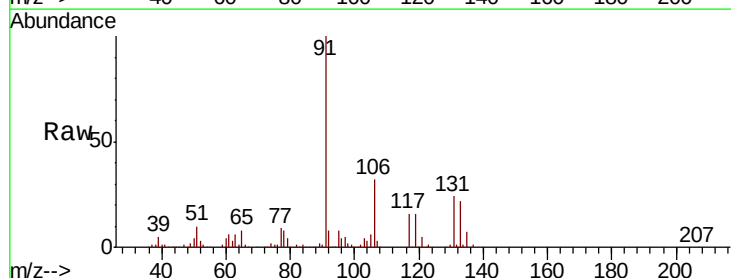
Instrument :  
MSVOA\_N  
ClientSampled :

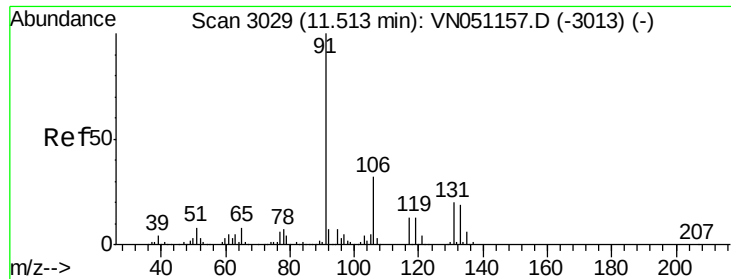
Tot Ion:112 Resp: 343147  
Ion Ratio Lower Upper  
112 100  
114 31.1 25.8 38.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 18.70 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

Tgt Ion:131 Resp: 130885  
Ion Ratio Lower Upper  
131 100  
133 95.3 47.5 142.6  
119 66.8 33.2 99.6

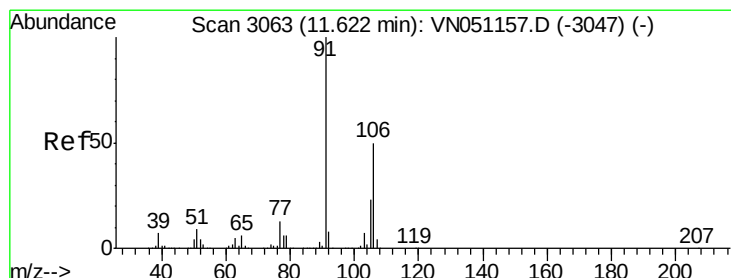
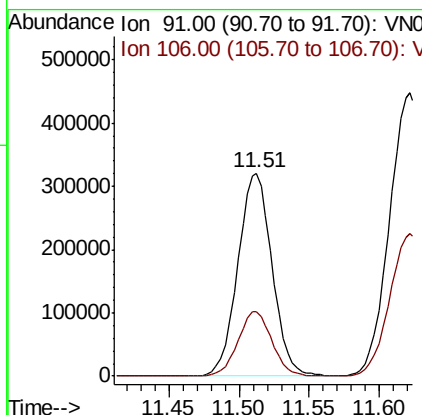
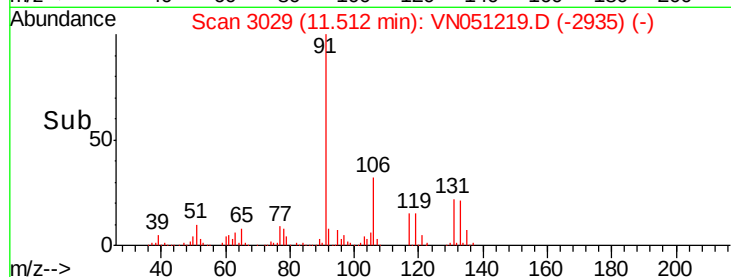
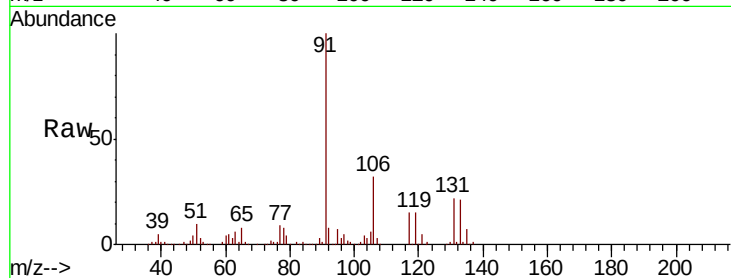




#67  
Ethyl Benzene  
Concen: 17.30 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

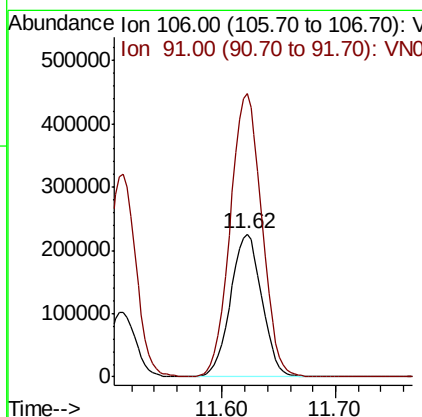
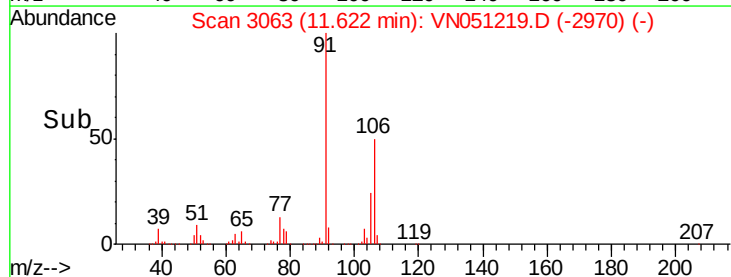
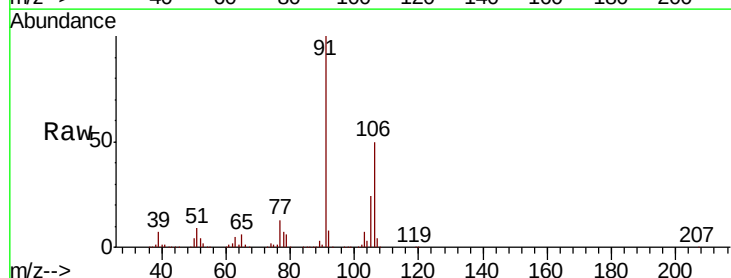
Instrument :  
MSVOA\_N  
ClientSampled :

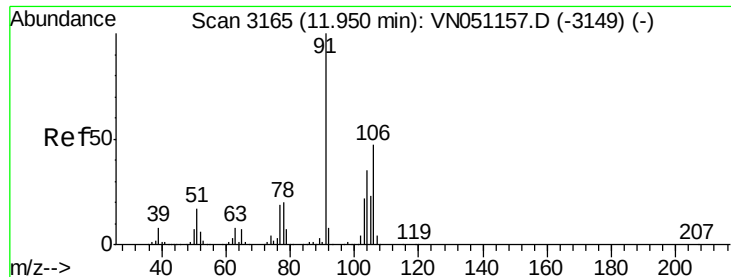
Tot Ion: 91 Resp: 544497  
Ion Ratio Lower Upper  
91 100  
106 31.6 25.4 38.2



#68  
m/p-Xylenes  
Concen: 36.03 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. -0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

Tgt Ion: 106 Resp: 435826  
Ion Ratio Lower Upper  
106 100  
91 199.0 159.8 239.6

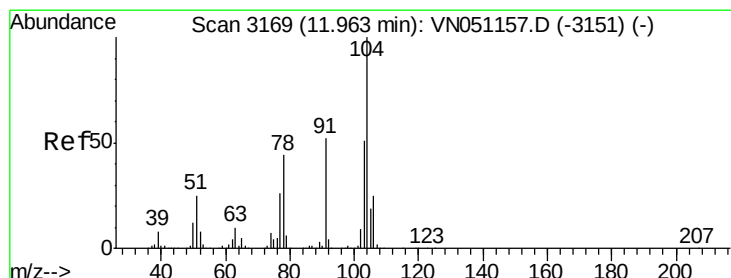
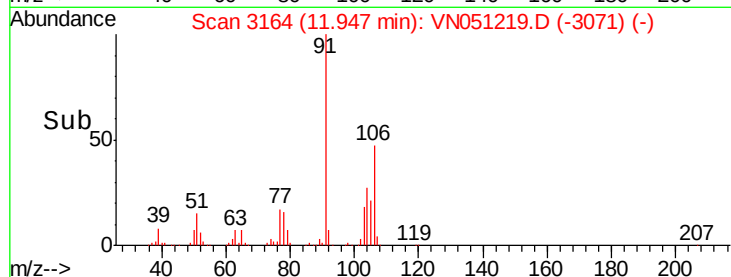
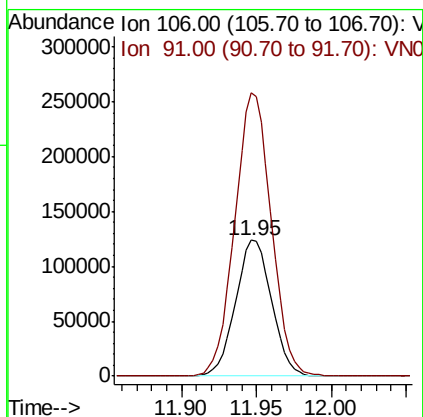
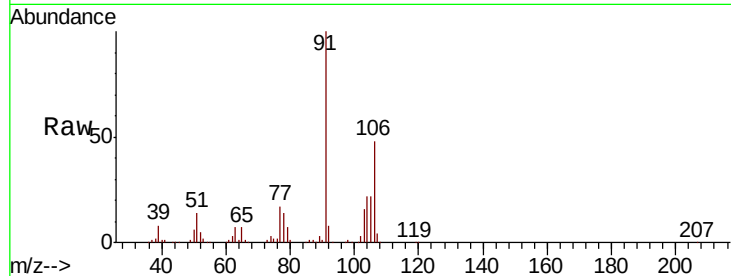




#69  
o-Xylene  
Concen: 17.75 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

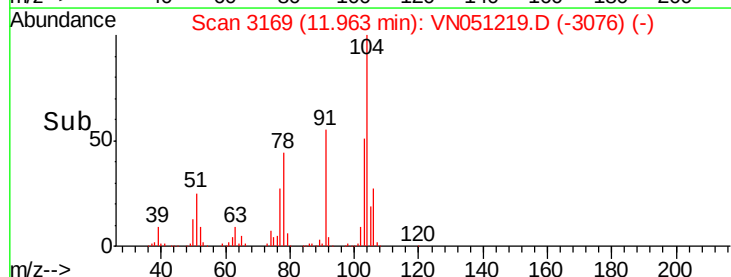
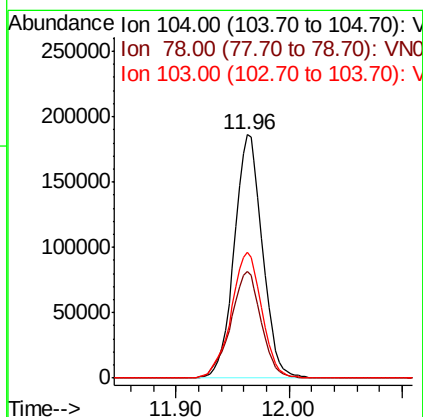
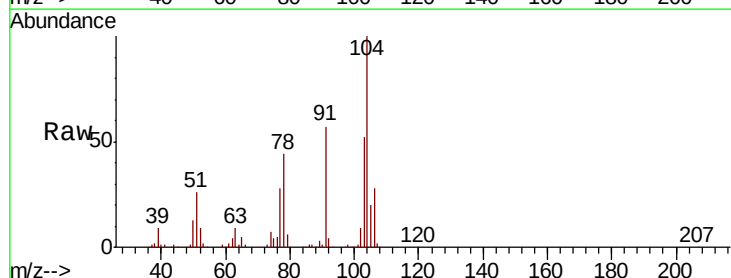
Instrument :  
MSVOA\_N  
ClientSampled :

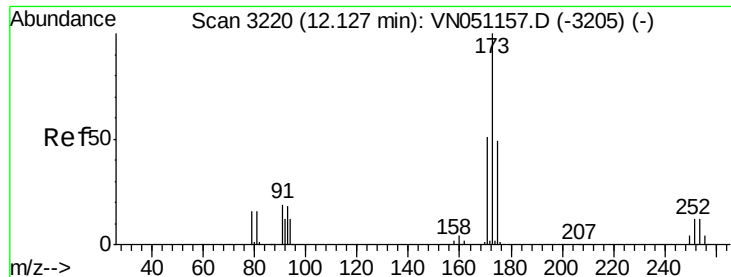
Tot Ion:106 Resp: 207897  
Ion Ratio Lower Upper  
106 100  
91 210.5 105.1 315.1



#70  
Styrene  
Concen: 17.77 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

Tgt Ion:104 Resp: 322839  
Ion Ratio Lower Upper  
104 100  
78 47.4 37.7 56.5  
103 56.2 44.6 67.0





#71

Bromoform

Concen: 16.92 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA\_N

ClientSampled :

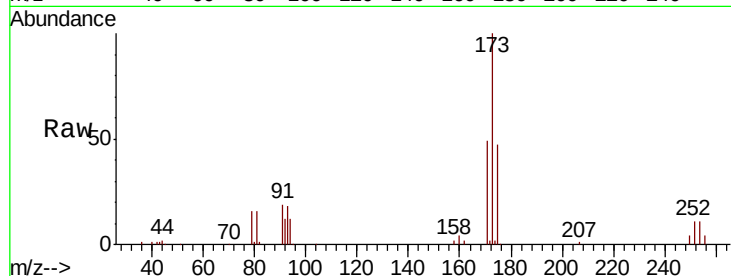
Tot Ion:173 Resp: 83370

Ion Ratio Lower Upper

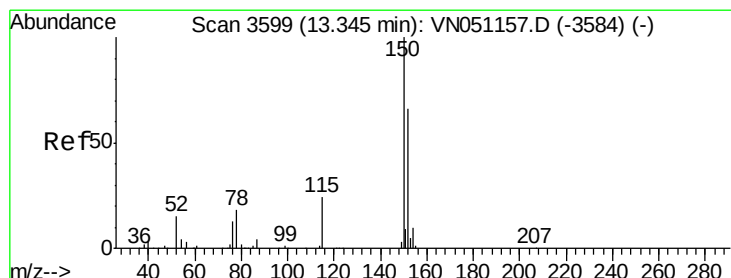
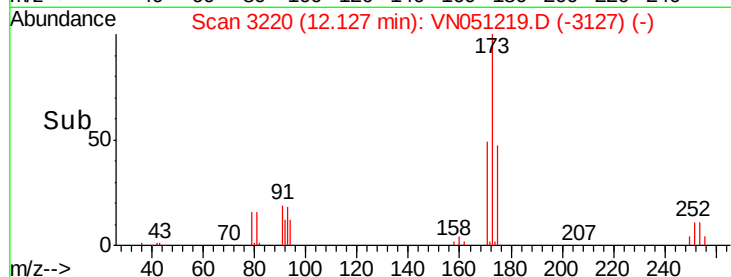
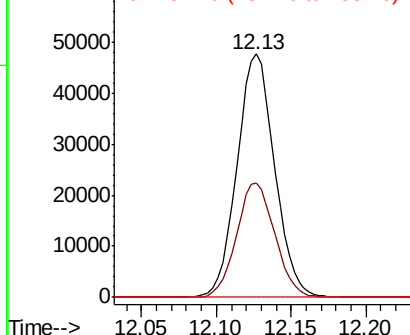
173 100

175 47.7 24.3 72.9

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

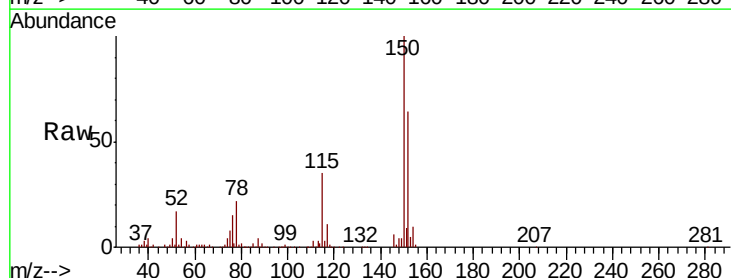
Tgt Ion:152 Resp: 350709

Ion Ratio Lower Upper

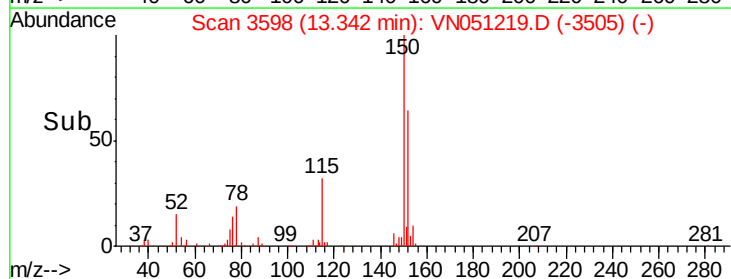
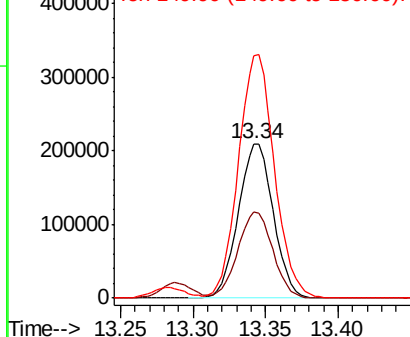
152 100

115 55.7 28.2 84.7

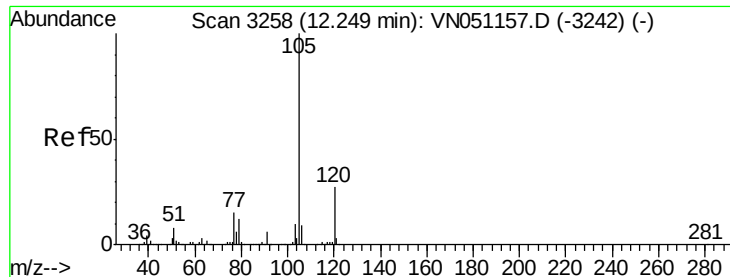
150 162.2 0.0 349.0



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







#73

Isopropylbenzene

Concen: 18.54 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA\_N

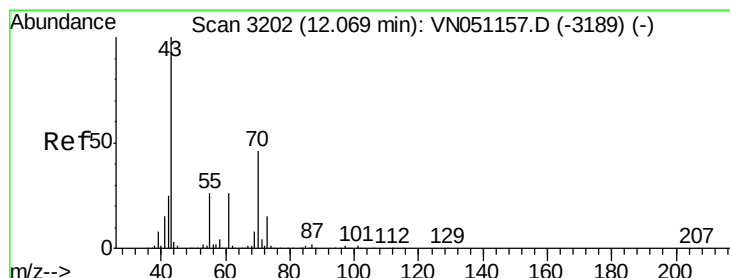
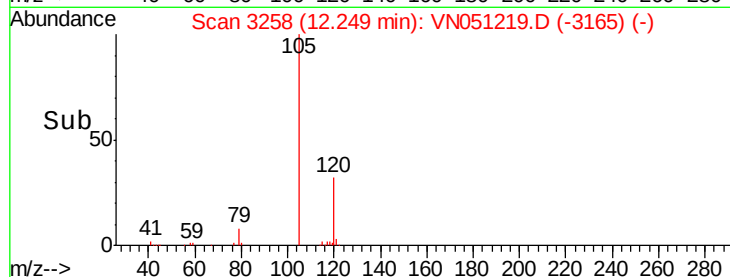
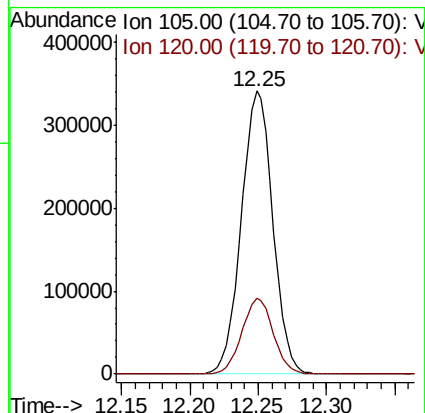
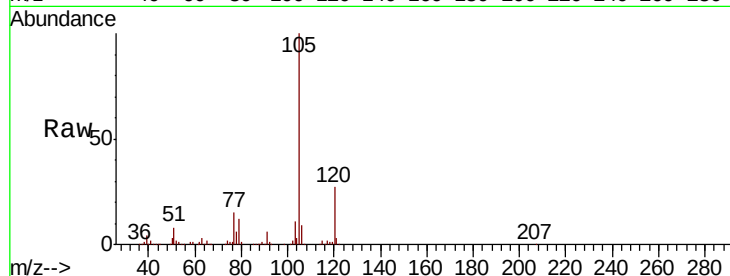
ClientSampled :

Tot Ion: 105 Resp: 545175

Ion Ratio Lower Upper

105 100

120 26.7 13.6 40.7



#74

N-ethyl acetate

Concen: 14.61 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Tgt Ion: 43 Resp: 108145

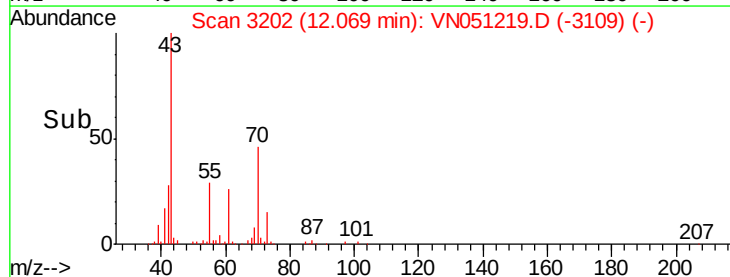
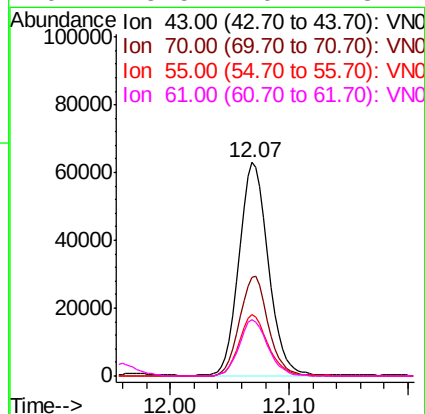
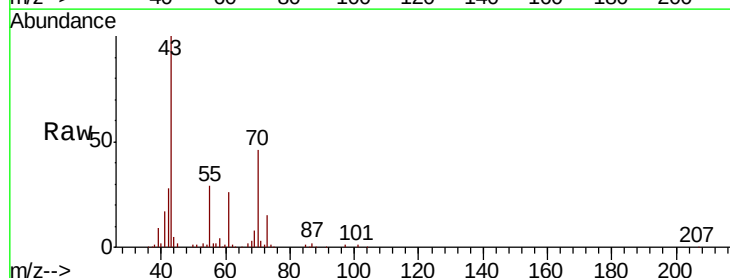
Ion Ratio Lower Upper

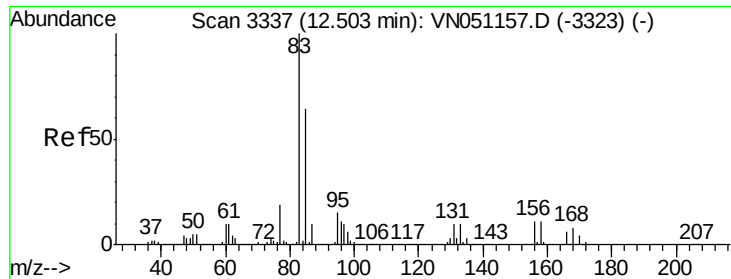
43 100

70 45.3 37.0 55.4

55 28.0 21.3 31.9

61 25.5 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 17.93 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA\_N

ClientSampled :

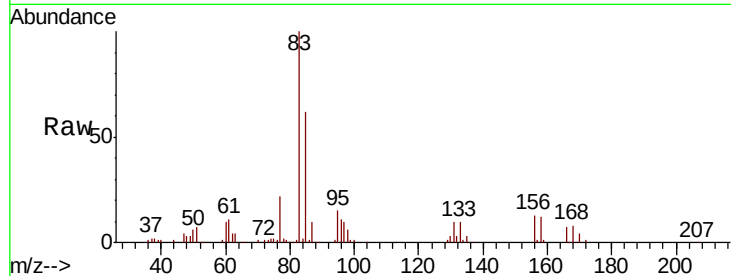
Tot Ion: 83 Resp: 127871

Ion Ratio Lower Upper

83 100

131 11.1 5.3 16.1

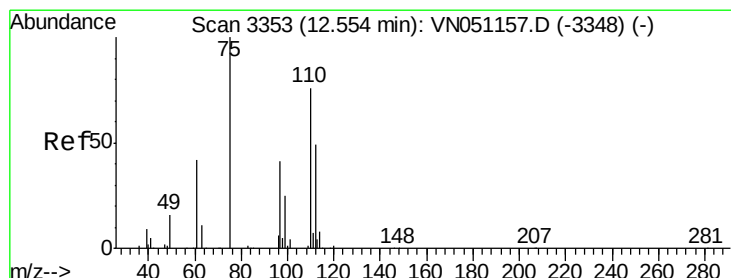
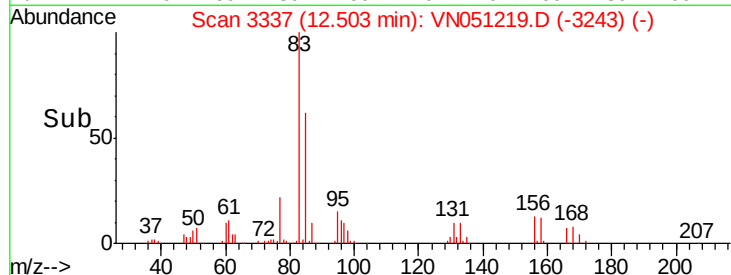
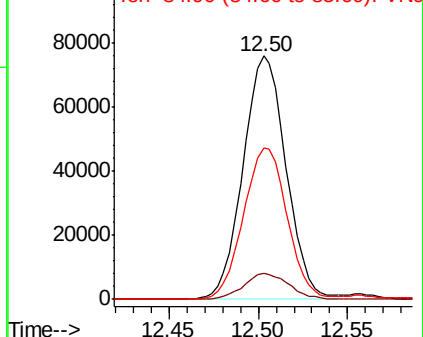
85 63.1 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 25.81 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051219.D

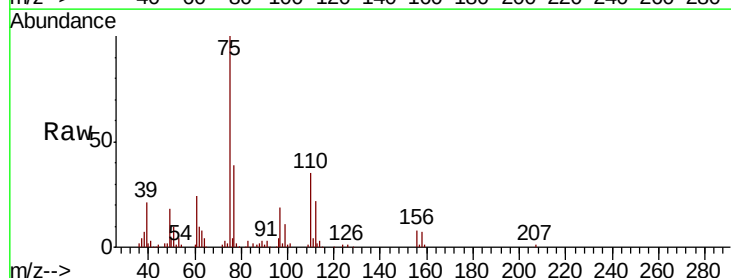
Acq: 15 Sep 2018 13:52

Tgt Ion: 75 Resp: 144246

Ion Ratio Lower Upper

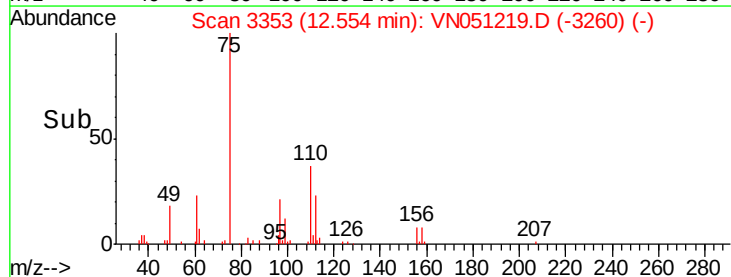
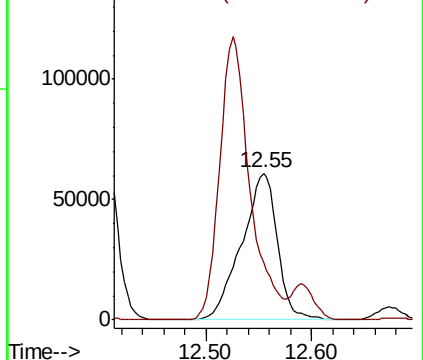
75 100

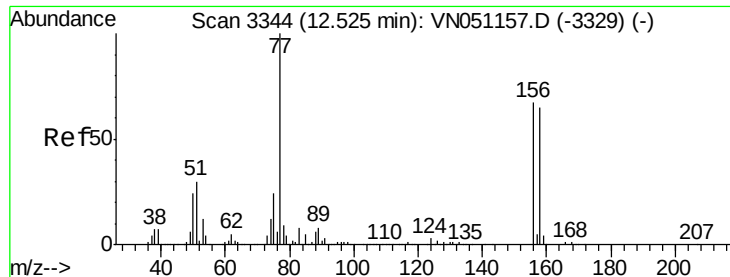
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

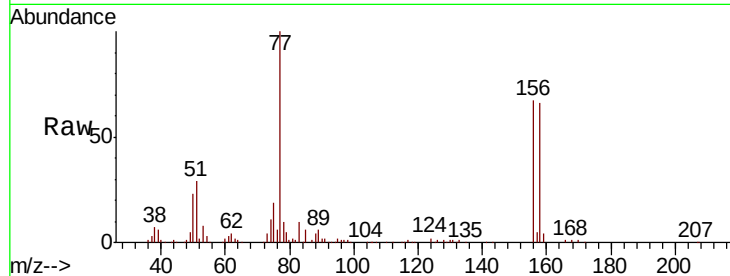




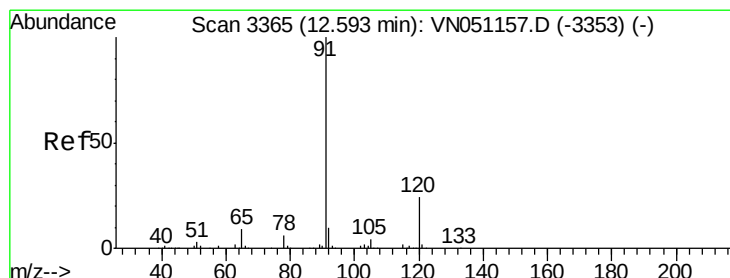
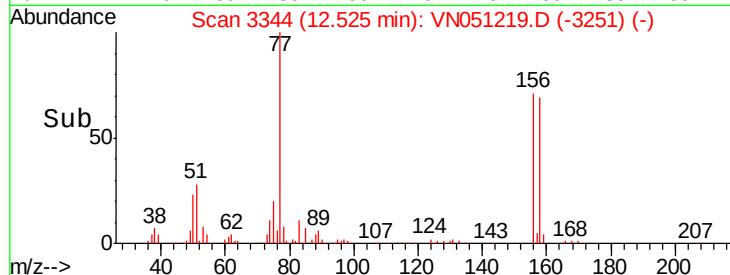
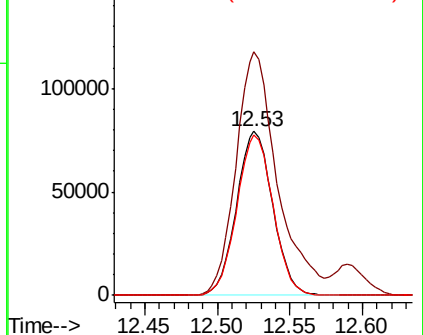
#77  
Bromobenzene  
Concen: 17.42 ug/l  
RT: 12.53 min Scan# 3344  
Delta R.T. -0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:156 Resp: 137584  
Ion Ratio Lower Upper  
156 100  
77 170.1 87.5 262.6  
158 97.6 49.0 147.2

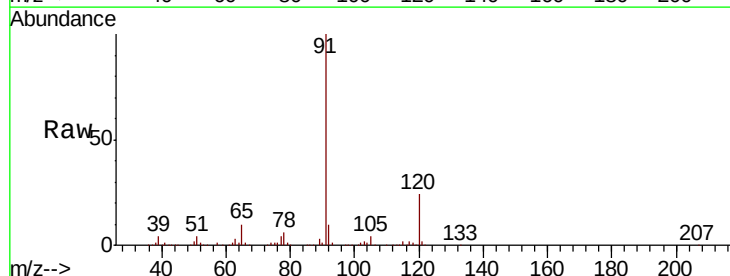


Abundance Ion 155.80 (155.50 to 156.50): V  
Ion 77.00 (76.70 to 77.70): VN0  
Ion 157.80 (157.50 to 158.50): V

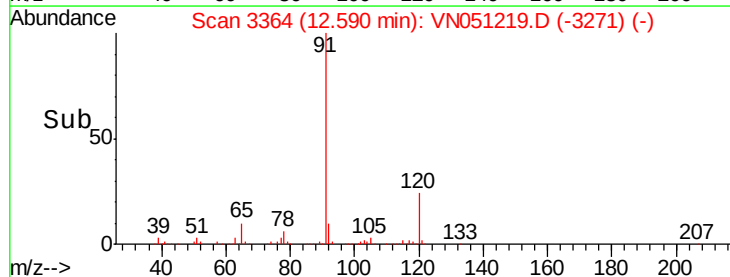
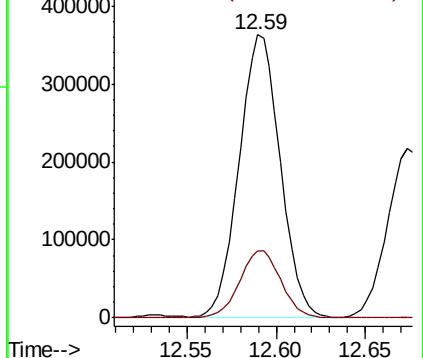


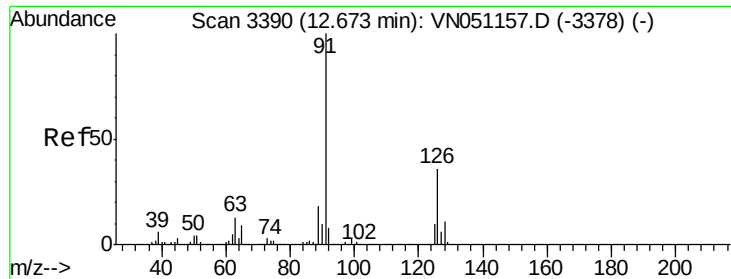
#78  
n-propylbenzene  
Concen: 18.01 ug/l  
RT: 12.59 min Scan# 3364  
Delta R.T. -0.00 min  
Lab File: VN051219.D  
Acq: 15 Sep 2018 13:52

Tgt Ion: 91 Resp: 582130  
Ion Ratio Lower Upper  
91 100  
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0  
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.93 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA\_N

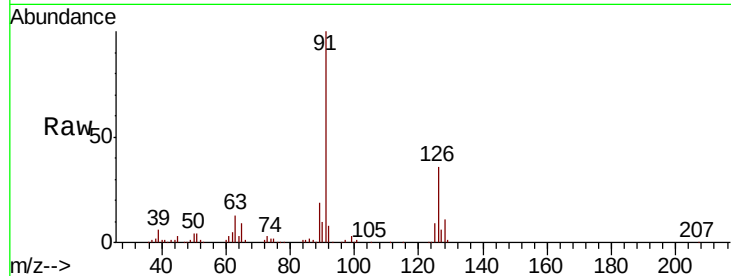
ClientSampleId :

Tot Ion: 91 Resp: 362293

Ion Ratio Lower Upper

91 100

126 36.2 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN051157.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN051157.D (-3378) (-)

300000

200000

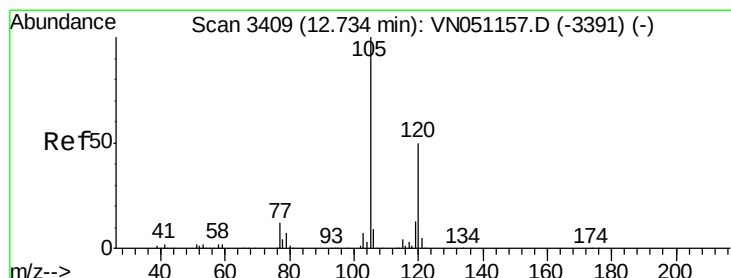
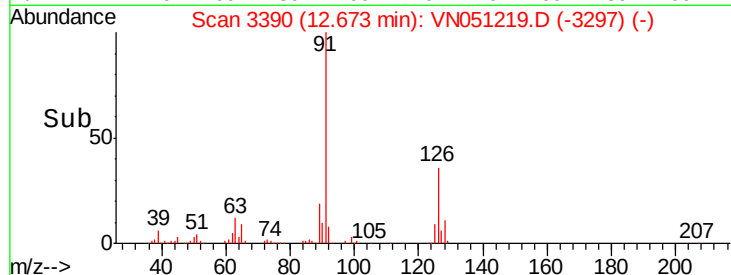
100000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.63 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051219.D

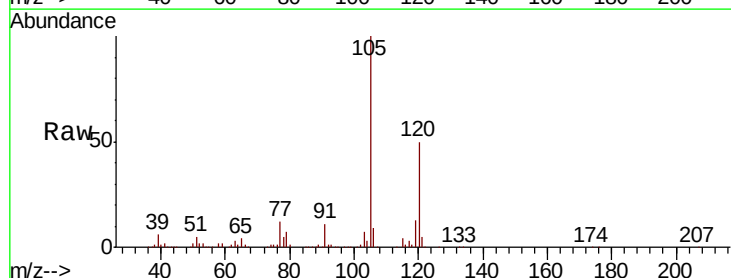
Acq: 15 Sep 2018 13:52

Tgt Ion:105 Resp: 443003

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN051157.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN051157.D (-3391) (-)

300000

250000

200000

150000

100000

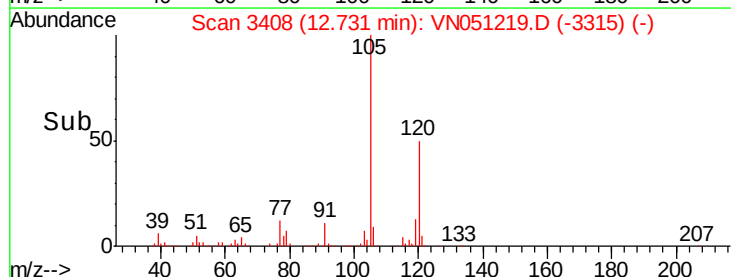
50000

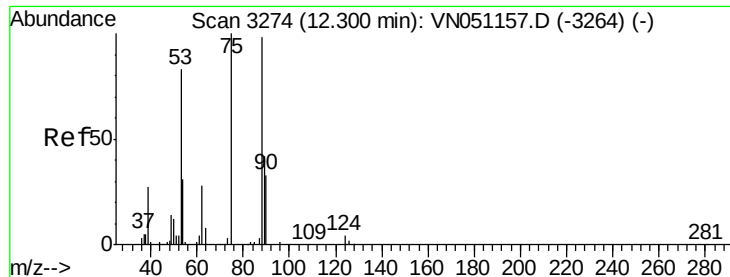
0

12.65 12.70 12.75 12.80

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 14.60 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA\_N

ClientSampled :

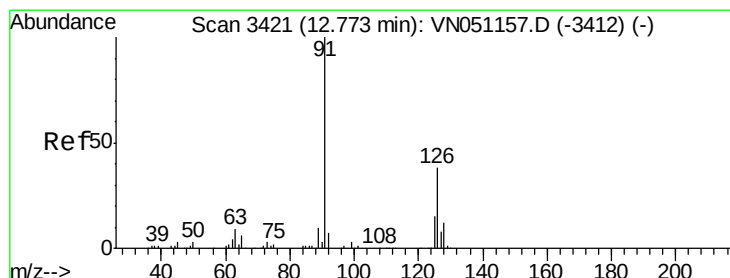
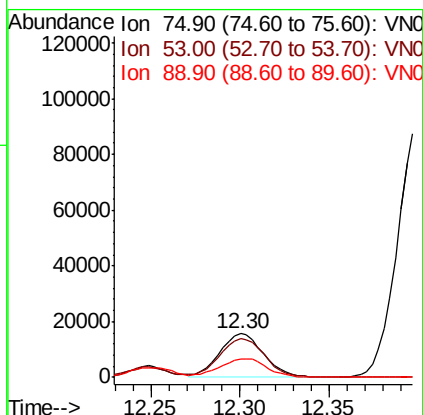
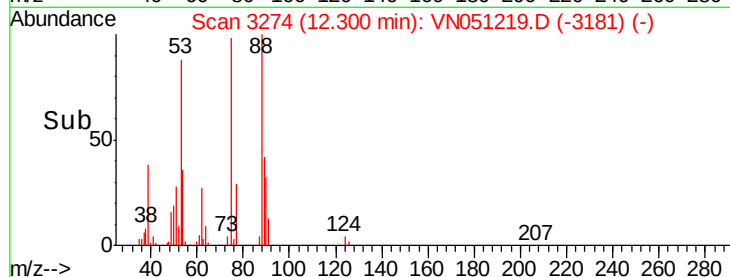
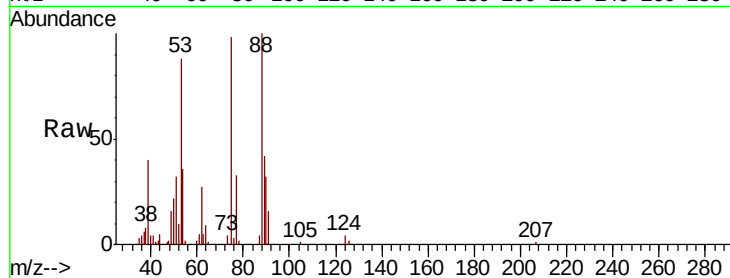
Tot Ion: 75 Resp: 26960

Ion Ratio Lower Upper

75 100

53 91.9 67.8 101.8

89 45.9 36.0 54.0



#82

4-Chlorotoluene

Concen: 17.50 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051219.D

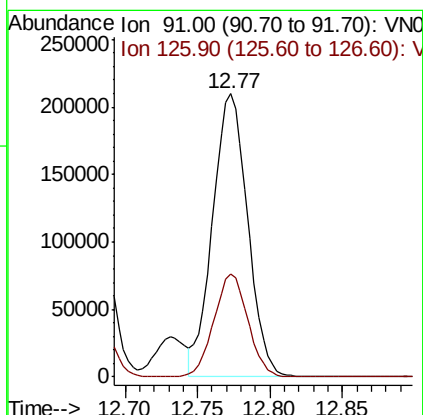
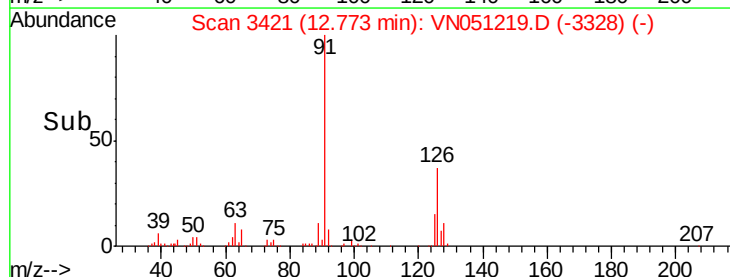
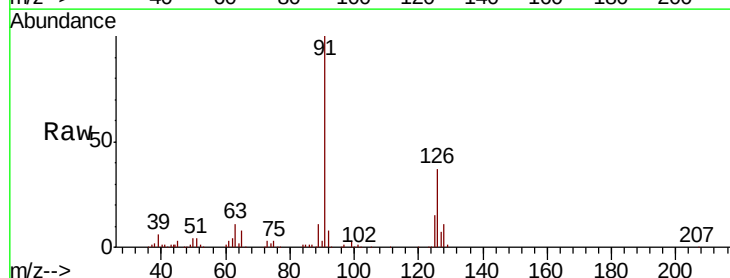
Acq: 15 Sep 2018 13:52

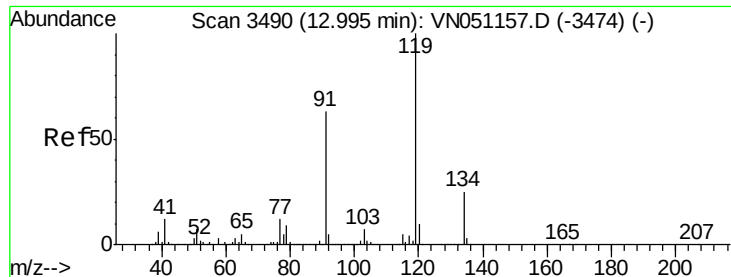
Tgt Ion: 91 Resp: 351108

Ion Ratio Lower Upper

91 100

126 35.2 17.6 52.8

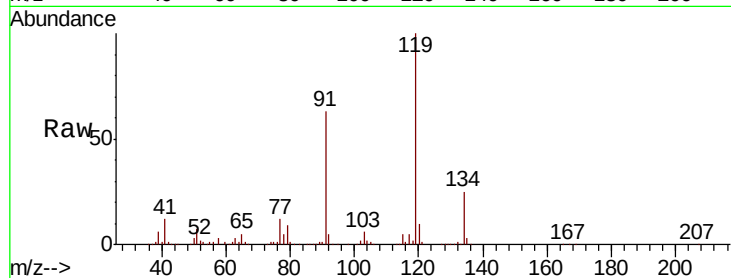




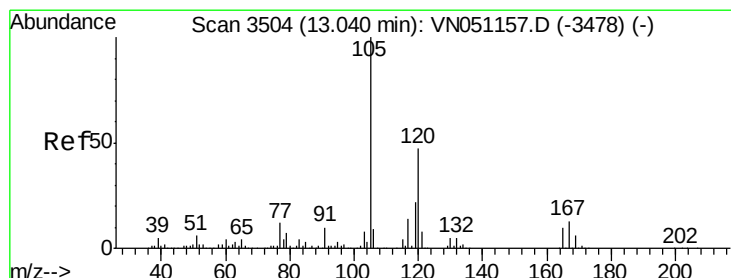
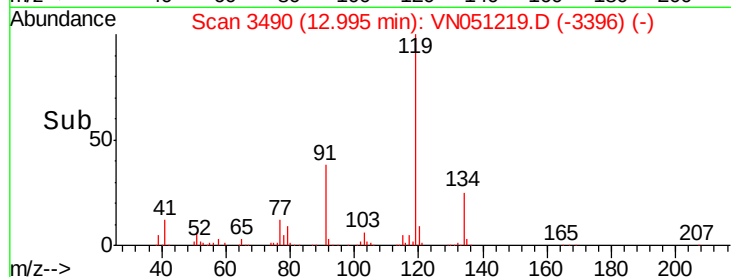
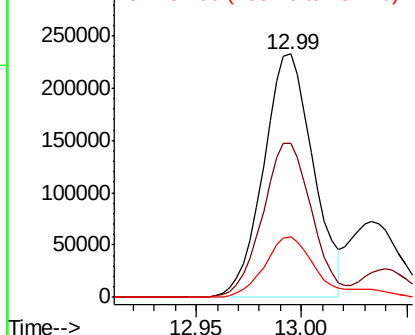
#83  
 tert-Butylbenzene  
 Concen: 18.17 ug/l  
 RT: 12.99 min Scan# 3490  
 Delta R.T. 0.00 min  
 Lab File: VN051219.D  
 Acq: 15 Sep 2018 13:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tot Ion:119 Resp: 381487  
 Ion Ratio Lower Upper  
 119 100  
 91 62.5 30.8 92.3  
 134 25.0 13.2 39.6

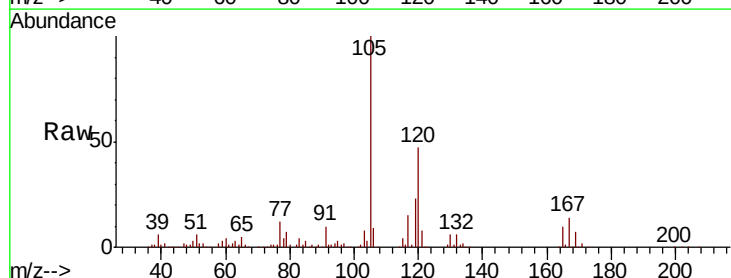


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 91.00 (90.70 to 91.70): V  
 Ion 134.00 (133.70 to 134.70): V

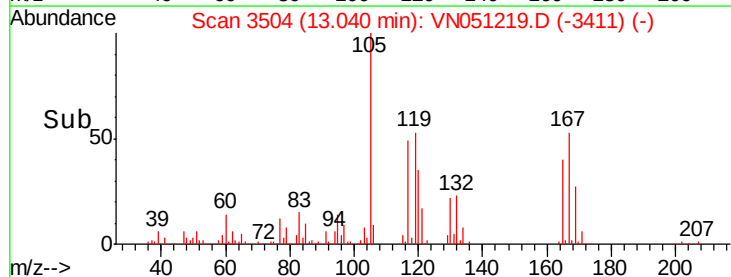
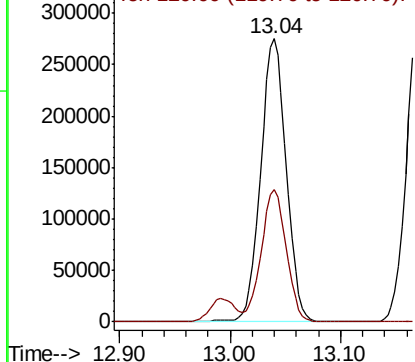


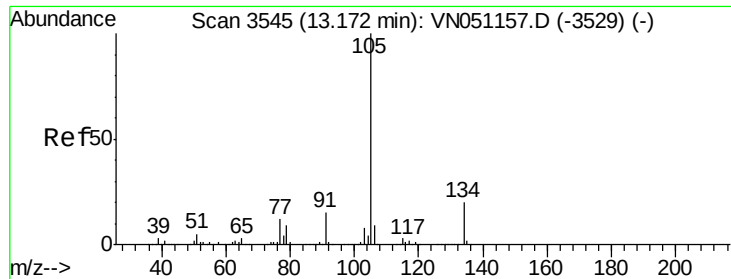
#84  
 1,2,4-Trimethylbenzene  
 Concen: 18.90 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. -0.00 min  
 Lab File: VN051219.D  
 Acq: 15 Sep 2018 13:52

Tgt Ion:105 Resp: 441823  
 Ion Ratio Lower Upper  
 105 100  
 120 45.9 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V  
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.19 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA\_N

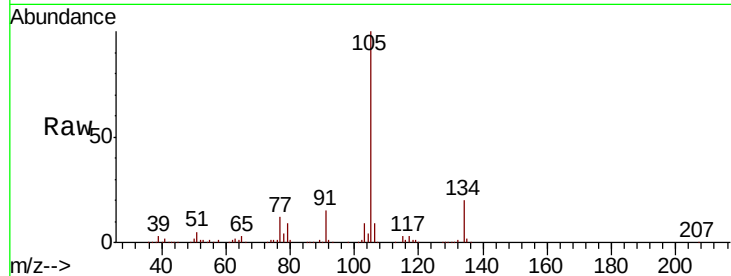
ClientSampleId :

Tot Ion:105 Resp: 489853

Ion Ratio Lower Upper

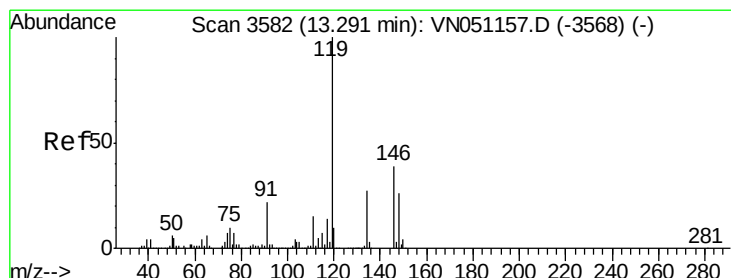
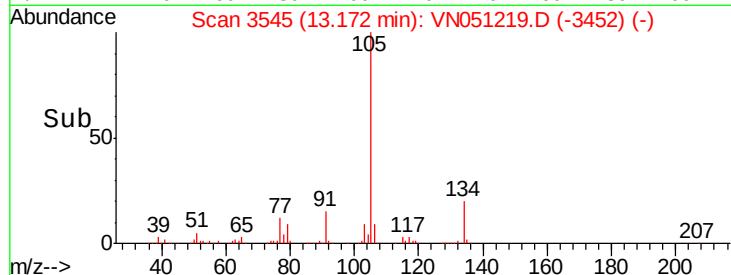
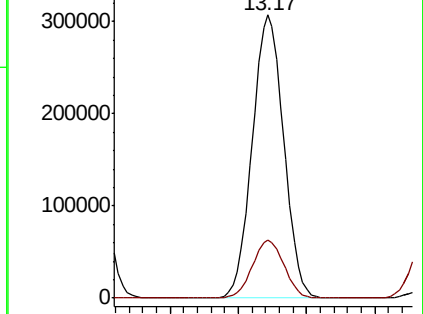
105 100

134 20.6 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.27 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

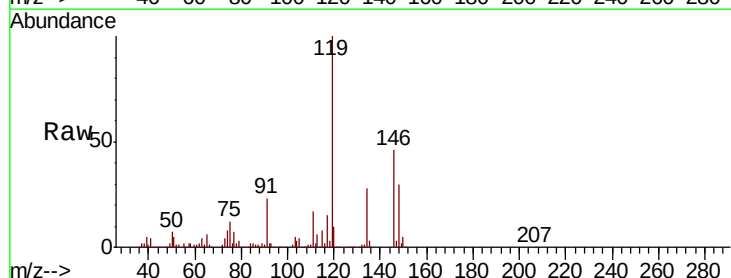
Tgt Ion:119 Resp: 416953

Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.4

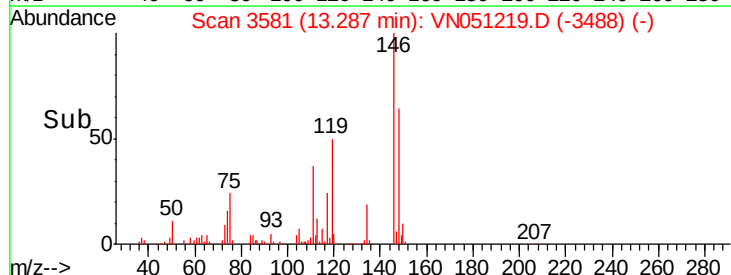
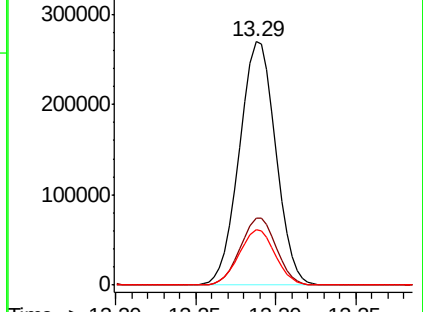
91 22.2 10.9 32.9

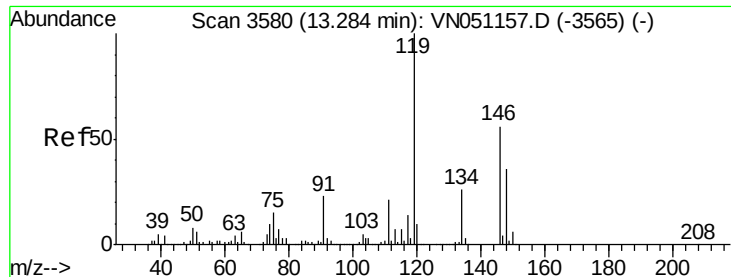


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

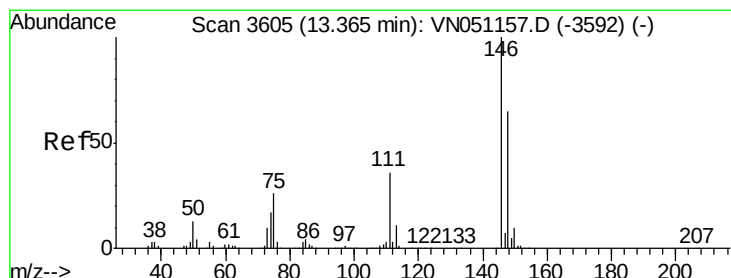
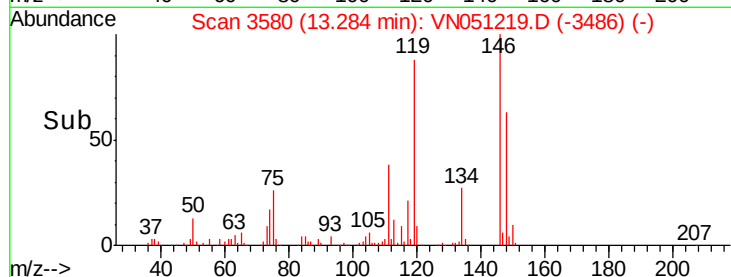
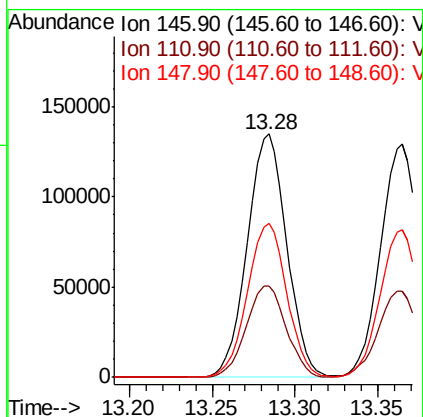
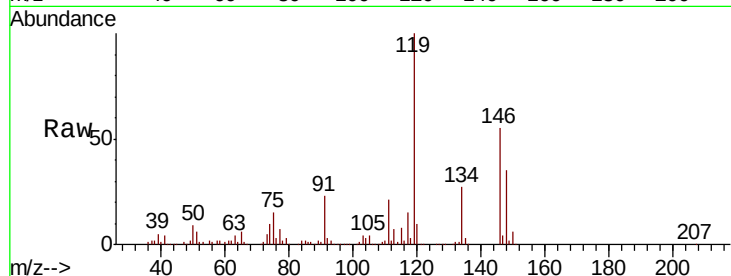




#87  
 1,3-Dichlorobenzene  
 Concen: 16.63 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN051219.D  
 Acq: 15 Sep 2018 13:52

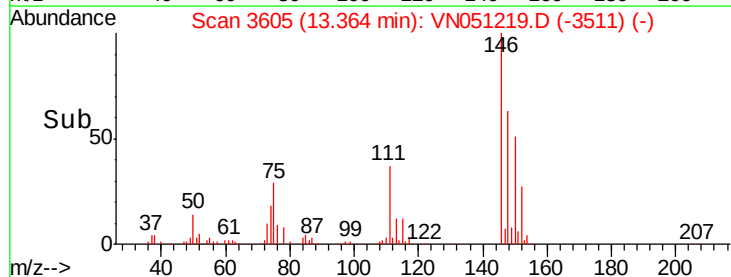
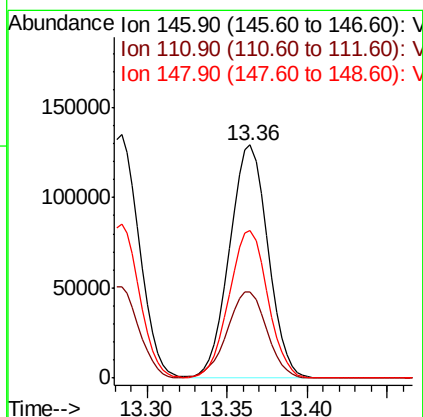
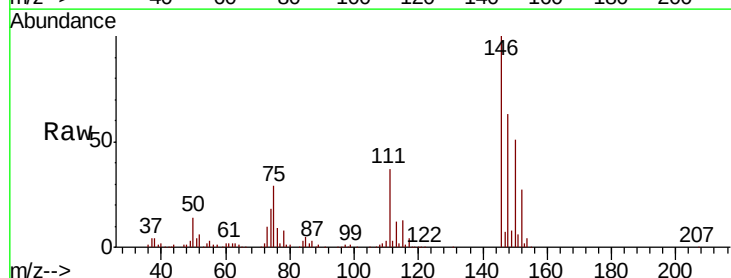
Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tot Ion:146 Resp: 222828  
 Ion Ratio Lower Upper  
 146 100  
 111 38.0 19.1 57.1  
 148 63.1 32.2 96.6

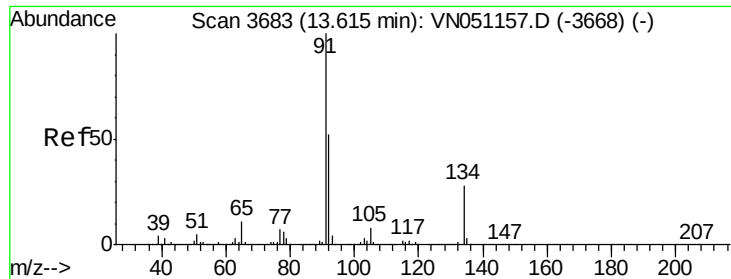


#88  
 1,4-Dichlorobenzene  
 Concen: 17.23 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN051219.D  
 Acq: 15 Sep 2018 13:52

Tgt Ion:146 Resp: 211968  
 Ion Ratio Lower Upper  
 146 100  
 111 38.4 18.4 55.0  
 148 63.5 32.2 96.6







#89

n-Butylbenzene

Concen: 15.69 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA\_N

ClientSampled :

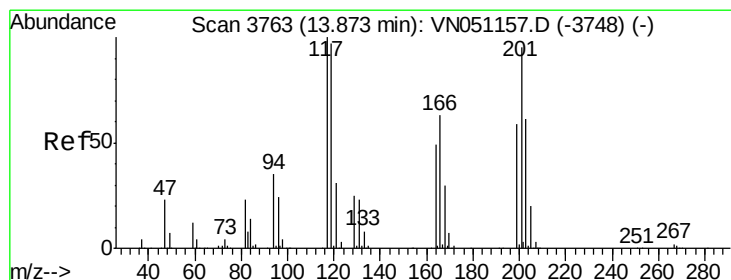
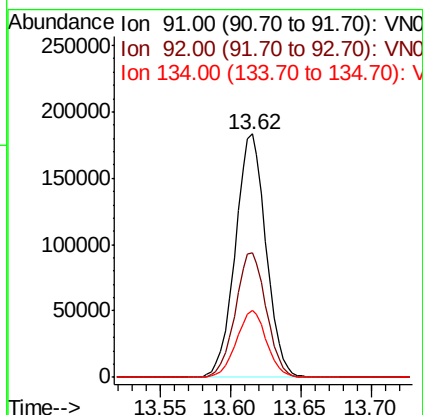
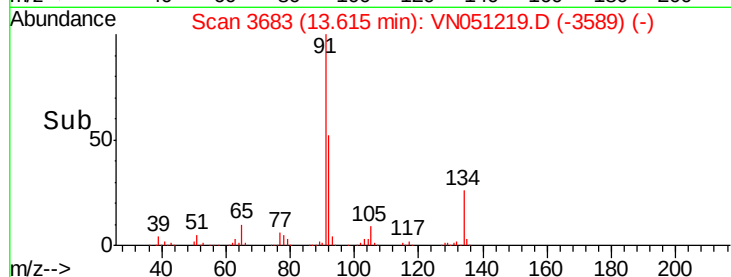
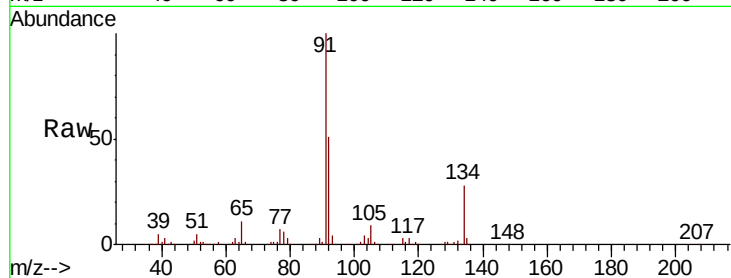
Tot Ion: 91 Resp: 278777

Ion Ratio Lower Upper

91 100

92 51.7 26.2 78.6

134 27.0 13.7 41.1



#90

Hexachloroethane

Concen: 18.92 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN051219.D

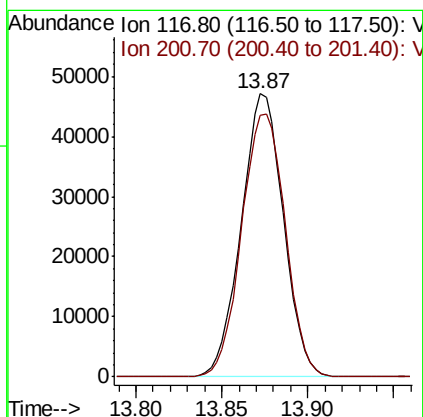
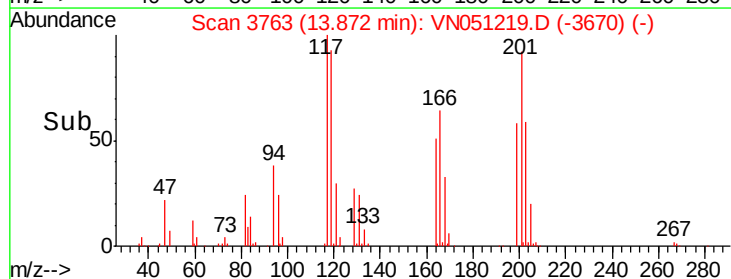
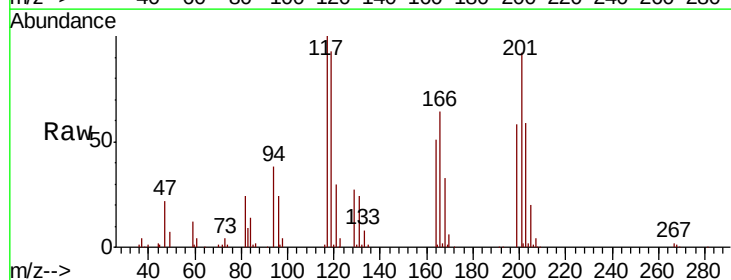
Acq: 15 Sep 2018 13:52

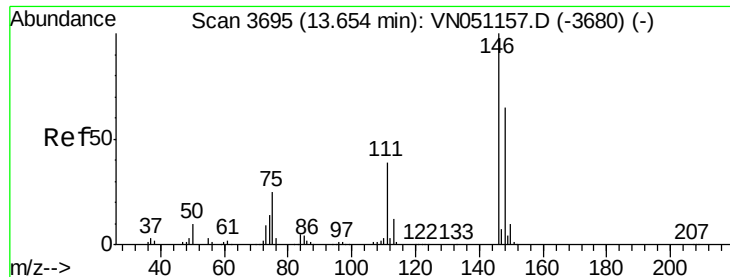
Tgt Ion: 117 Resp: 80207

Ion Ratio Lower Upper

117 100

201 95.8 47.3 142.0

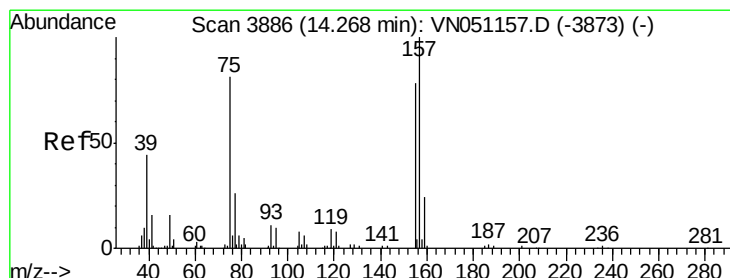
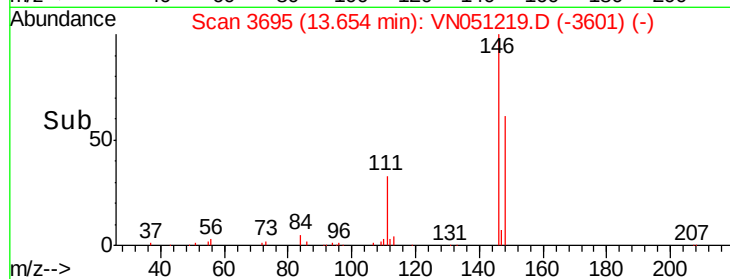
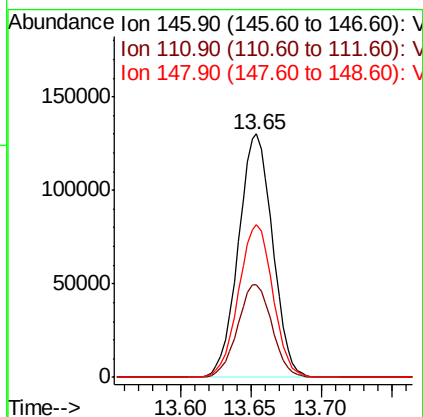
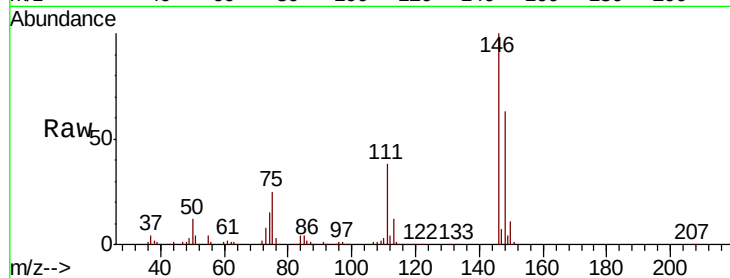




#91  
 1,2-Dichlorobenzene  
 Concen: 16.94 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN051219.D  
 Acq: 15 Sep 2018 13:52

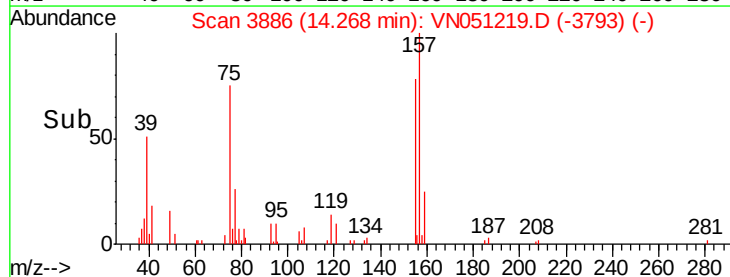
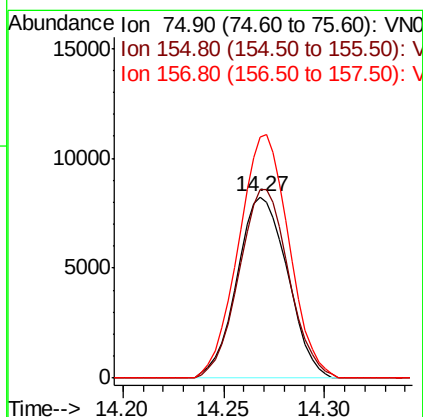
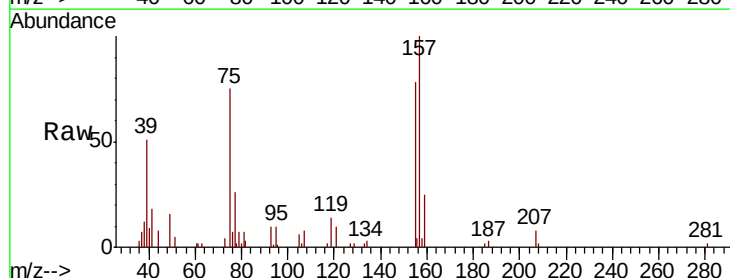
Instrument :  
 MSVOA\_N  
 ClientSampleId :

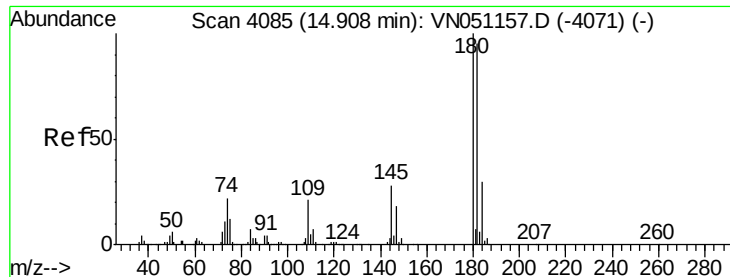
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.3  | 19.7  | 59.0  |
| 148     | 62.9  | 32.1  | 96.3  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 14.86 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. -0.00 min  
 Lab File: VN051219.D  
 Acq: 15 Sep 2018 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 102.7 | 48.7  | 146.1 |
| 157     | 133.9 | 63.6  | 190.9 |

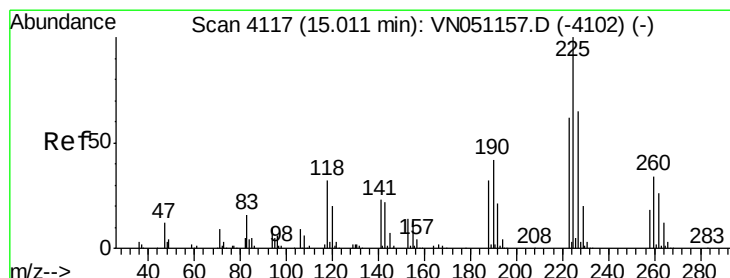
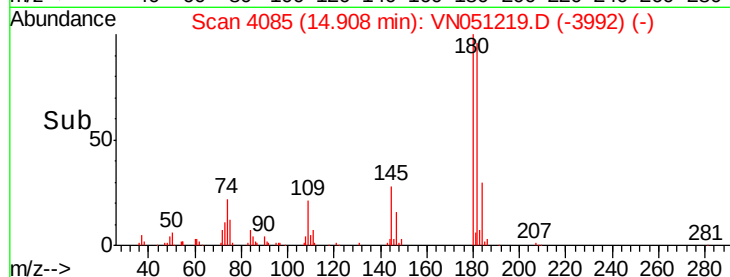
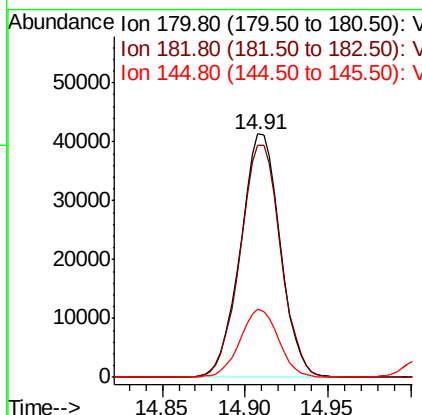
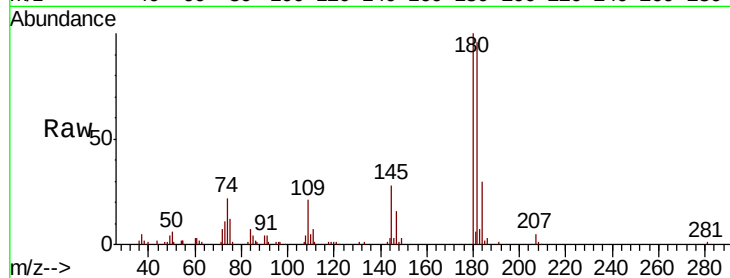




#93  
 1,2,4-Trichlorobenzene  
 Concen: 14.01 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. -0.00 min  
 Lab File: VN051219.D  
 Acq: 15 Sep 2018 13:52

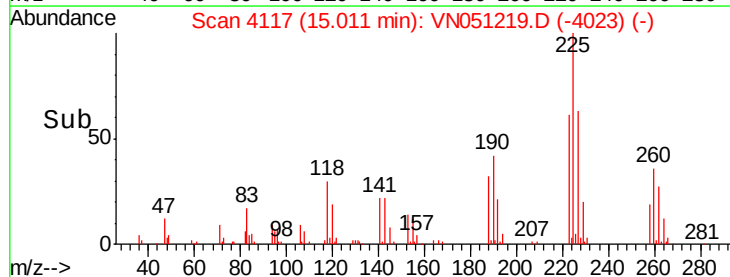
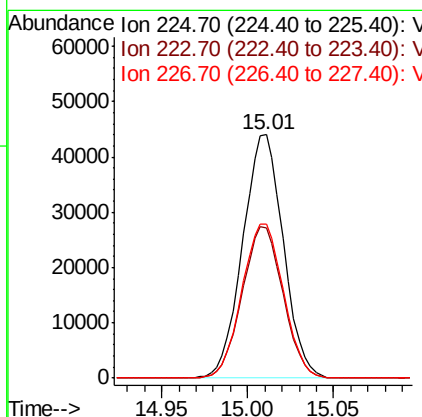
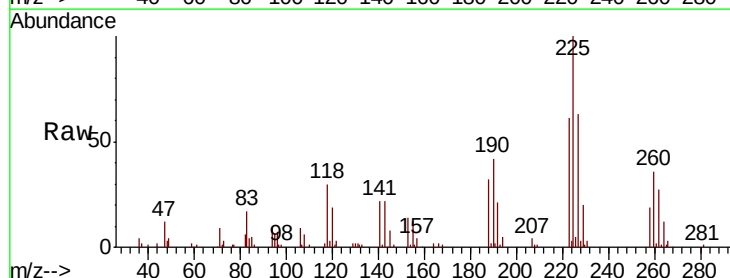
Instrument :  
 MSVOA\_N  
 ClientSampled :

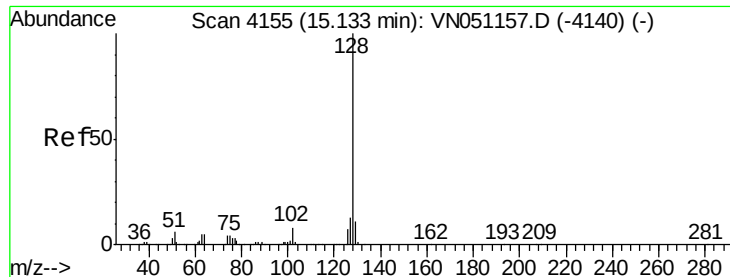
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.2  | 47.3  | 141.8 |
| 145     | 27.3  | 14.2  | 42.6  |



#94  
 Hexachlorobutadiene  
 Concen: 17.80 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN051219.D  
 Acq: 15 Sep 2018 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.3  | 31.4  | 94.0  |
| 227     | 64.7  | 32.1  | 96.3  |





#95

Naphthalene

Concen: 13.46 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA\_N

ClientSampleId :

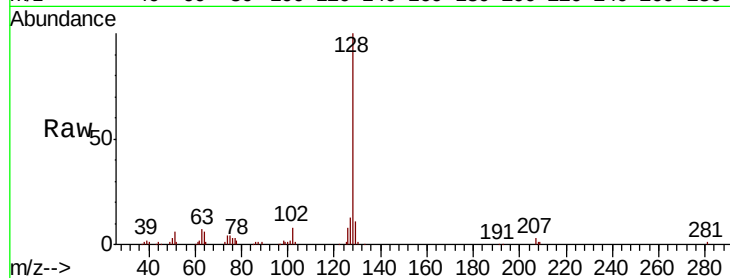
Tot Ion:128 Resp: 119921

Ion Ratio Lower Upper

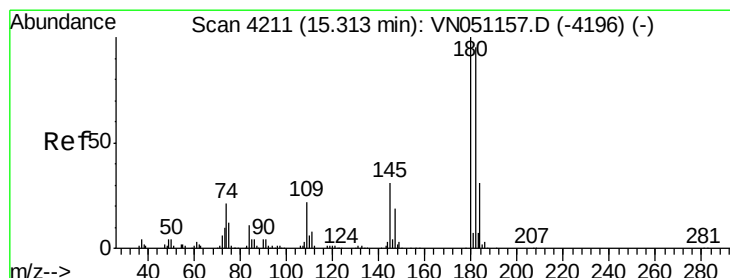
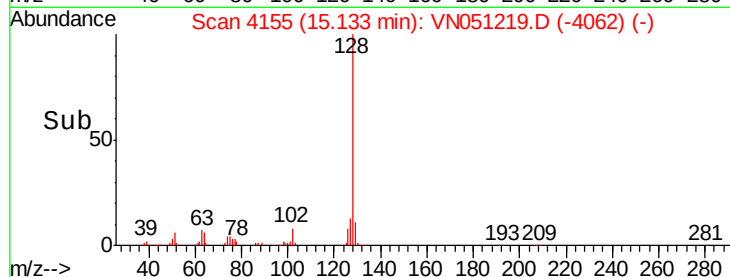
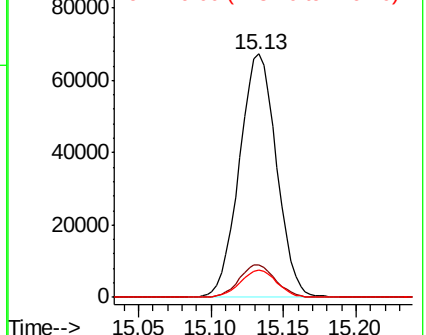
128 100

127 13.0 10.6 15.8

129 11.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 14.33 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

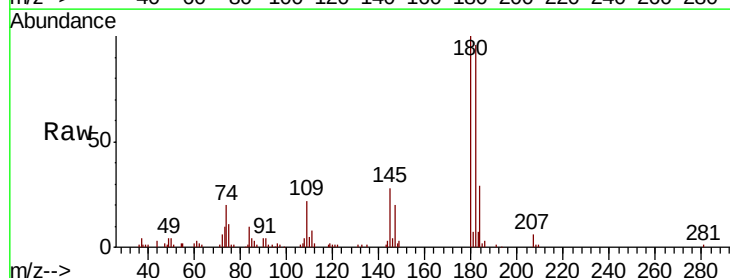
Tgt Ion:180 Resp: 72918

Ion Ratio Lower Upper

180 100

182 96.1 47.8 143.3

145 29.6 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.90 (144.60 to 145.60): V

