

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\  
 Data File : VN051340.D  
 Acq On : 20 Sep 2018 15:06  
 Operator : MD\SY  
 Sample : VSTDICC100  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC100

Quant Time: Sep 21 03:57:15 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N092018W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 21 03:27:45 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 698157   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 917079   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 874905   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 487430   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |        |         |      |
|---------------------------|--------|-----|----------|--------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 723959   | 95.67  | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 191.34% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 730668   | 98.59  | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 197.18% |      |
| 50) Toluene-d8            | 10.09  | 98  | 2809966  | 98.63  | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 197.26% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 959875   | 103.56 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 207.12% |      |

## Target Compounds

|                               |      |     |         |        |      | Qvalue |
|-------------------------------|------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 557245  | 95.51  | ug/l | 96     |
| 3) Chloromethane              | 2.06 | 50  | 749938  | 90.60  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.18 | 62  | 797730  | 97.00  | ug/l | 99     |
| 5) Bromomethane               | 2.55 | 94  | 552144  | 96.25  | ug/l | 96     |
| 6) Chloroethane               | 2.70 | 64  | 496455  | 98.23  | ug/l | 97     |
| 7) Trichlorofluoromethane     | 3.01 | 101 | 1154803 | 98.22  | ug/l | 98     |
| 8) Diethyl Ether              | 3.41 | 74  | 390512  | 103.81 | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 697026  | 96.62  | ug/l | 99     |
| 10) Methyl Iodide             | 3.95 | 142 | 1167354 | 109.34 | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.79 | 59  | 206415  | 514.53 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 654196  | 100.17 | ug/l | 99     |
| 13) Acrolein                  | 3.61 | 56  | 258894  | 563.84 | ug/l | 98     |
| 14) Allyl chloride            | 4.32 | 41  | 965248  | 104.87 | ug/l | 99     |
| 15) Acrylonitrile             | 4.99 | 53  | 1057068 | 519.94 | ug/l | 99     |
| 16) Acetone                   | 3.82 | 43  | 697137  | 448.48 | ug/l | 98     |
| 17) Carbon Disulfide          | 4.05 | 76  | 1951524 | 99.18  | ug/l | 98     |
| 18) Methyl Acetate            | 4.33 | 43  | 455741  | 85.32  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 1701251 | 107.64 | ug/l | 99     |
| 20) Methylene Chloride        | 4.55 | 84  | 737585  | 94.83  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96  | 706217  | 102.39 | ug/l | 98     |
| 22) Diisopropyl ether         | 5.95 | 45  | 1921653 | 105.69 | ug/l | 98     |
| 23) Vinyl Acetate             | 5.90 | 43  | 6414990 | 545.45 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 1225194 | 98.85  | ug/l | 99     |
| 25) 2-Butanone                | 6.84 | 43  | 1084959 | 501.82 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 1016942 | 99.30  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 794942  | 104.01 | ug/l | 99     |
| 28) Bromochloromethane        | 7.20 | 49  | 528542  | 102.89 | ug/l | 97     |
| 29) Tetrahydrofuran           | 7.21 | 42  | 714363  | 521.54 | ug/l | 99     |
| 30) Chloroform                | 7.37 | 83  | 1264858 | 97.11  | ug/l | 97     |
| 31) Cyclohexane               | 7.65 | 56  | 1114400 | 91.38  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 1120104 | 99.81  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 989600  | 105.49 | ug/l | 99     |
| 37) Ethyl Acetate             | 6.93 | 43  | 487888  | 105.06 | ug/l | 98     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 1042334 | 102.71 | ug/l | 99     |

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 Sample : VSTDICC100  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC100

Quant Time: Sep 21 03:57:15 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N092018W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 21 03:27:45 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 1246946  | 113.90  | ug/l   | 99       |
| 40) Benzene                    | 8.04  | 78   | 2923861  | 103.44  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.18  | 41   | 270577   | 111.84  | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 859464   | 100.66  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.17  | 43   | 889326   | 109.35  | ug/l   | 99       |
| 44) Trichloroethene            | 8.84  | 130  | 842402   | 103.82  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 743650   | 102.82  | ug/l   | 100      |
| 46) Dibromomethane             | 9.21  | 93   | 450728   | 101.09  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.40  | 83   | 985075   | 103.58  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.20  | 41   | 456844   | 110.18  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 133578   | 2178.46 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 2416464  | 552.35  | ug/l   | 100      |
| 52) Toluene                    | 10.16 | 92   | 1915286  | 110.05  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 1032228  | 113.04  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 1171271  | 110.78  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 653659   | 100.13  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 826915   | 119.93  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 1080067  | 105.03  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 2048557  | 604.24  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 1618045  | 548.59  | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.90 | 129  | 810605   | 106.48  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 667435   | 106.34  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 784924   | 102.88  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 2175253  | 104.07  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 807380   | 101.46  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.51 | 91   | 3642514  | 111.39  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 2895077  | 225.36  | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 1391793  | 112.38  | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 2255325  | 117.33  | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 575101   | 106.49  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 3725455  | 104.29  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 790526   | 103.44  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 777662   | 88.21   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 971544   | 138.03  | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 978625   | 99.15   | ug/l   | 100      |
| 78) n-propylbenzene            | 12.59 | 91   | 4150156  | 106.56  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 2421972  | 100.91  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 3094740  | 106.86  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 233828   | 115.01  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 2454561  | 105.22  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 2746019  | 105.94  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 3131361  | 108.94  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 3683499  | 106.86  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 3366356  | 112.21  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 1709019  | 103.01  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 1652973  | 102.78  | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.61 | 91   | 2710176  | 116.21  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 587864   | 91.50   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 1619603  | 101.06  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 112978   | 96.76   | ug/l   | 99       |

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Acq On : 20 Sep 2018 15:06  
Operator : MD\SY  
Sample : VSTDICC100  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 7 Sample Multiplier: 1

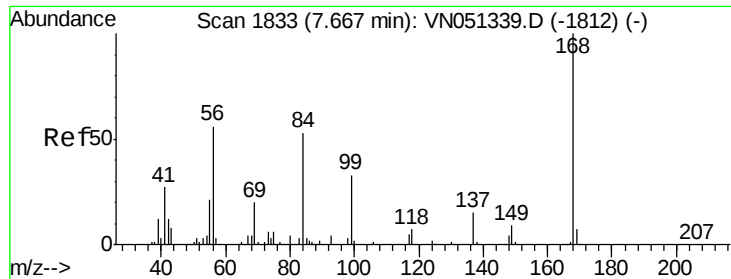
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

Quant Time: Sep 21 03:57:15 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N092018W.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 21 03:27:45 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 962533   | 131.01 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 609010   | 97.92  | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 1788691  | 138.11 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 907772   | 124.19 | 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: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA\_N

ClientSampleId :

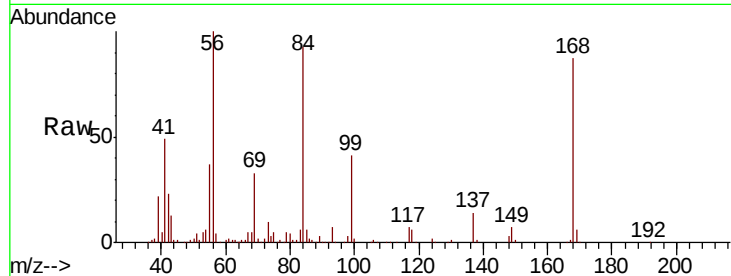
VSTDIC100

Tot Ion:168 Resp: 698157

Ion Ratio Lower Upper

168 100

99 47.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

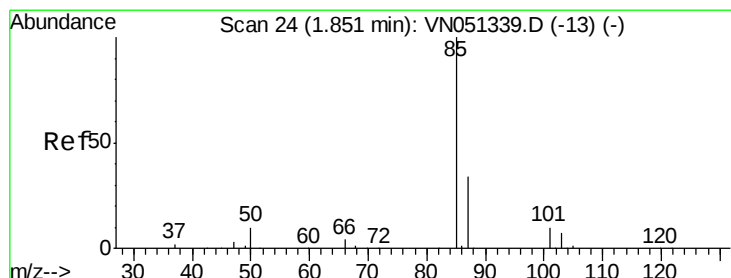
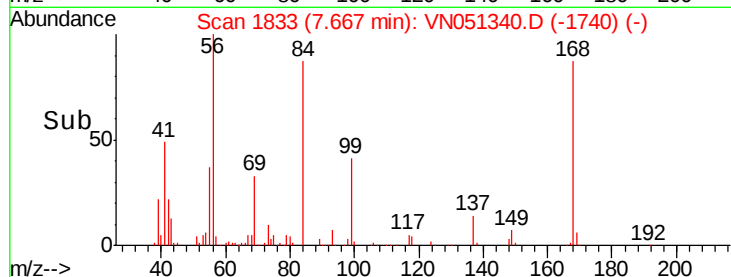
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 95.51 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051340.D

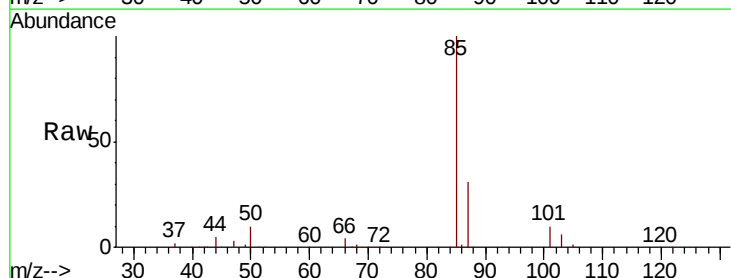
Acq: 20 Sep 2018 15:06

Tgt Ion: 85 Resp: 557245

Ion Ratio Lower Upper

85 100

87 31.4 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

400000

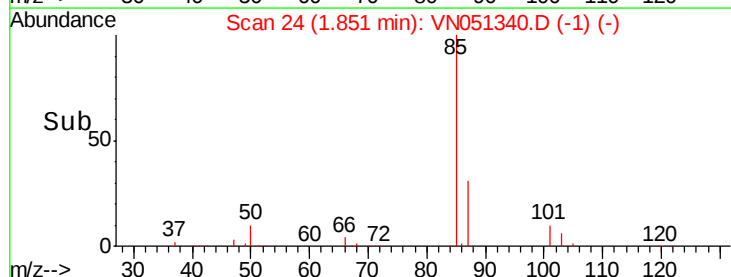
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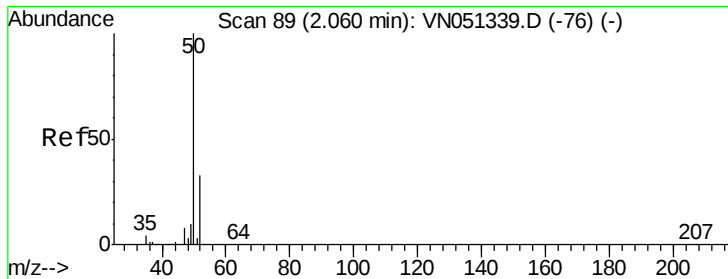
200000

100000

0

Time-->





#3

Chloromethane

Concen: 90.60 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA\_N

ClientSampleId :

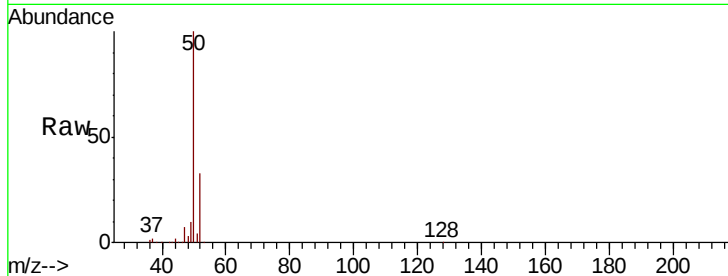
VSTDIC100

Tot Ion: 50 Resp: 749938

Ion Ratio Lower Upper

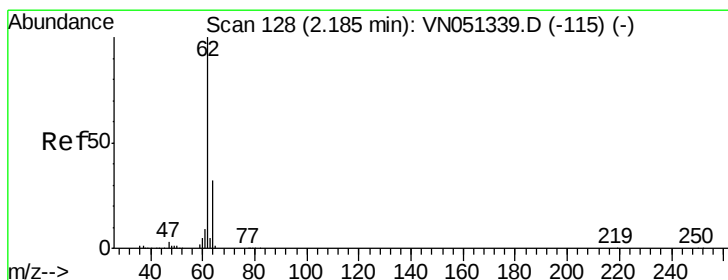
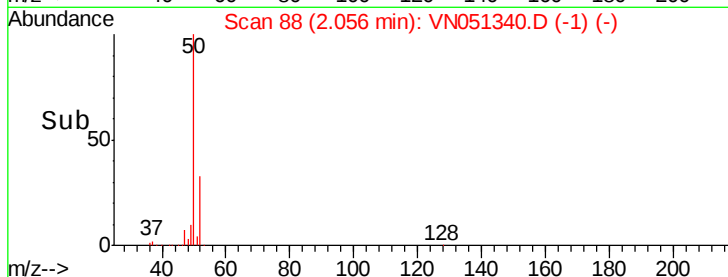
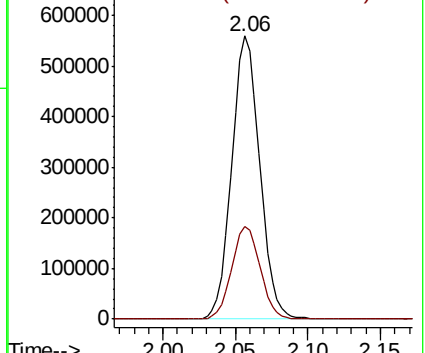
50 100

52 32.7 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 97.00 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051340.D

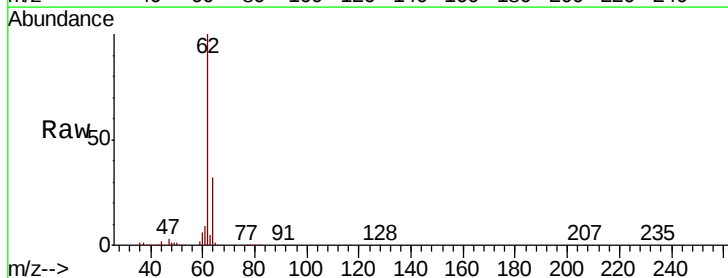
Acq: 20 Sep 2018 15:06

Tgt Ion: 62 Resp: 797730

Ion Ratio Lower Upper

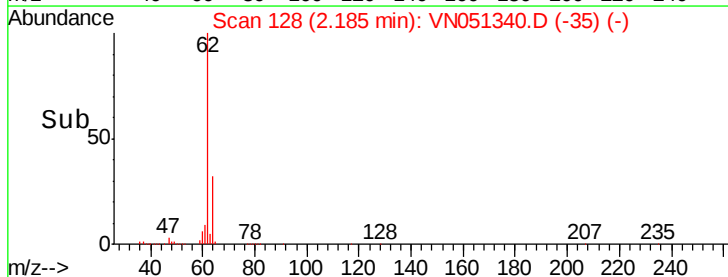
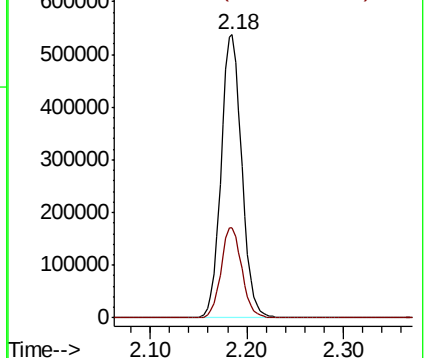
62 100

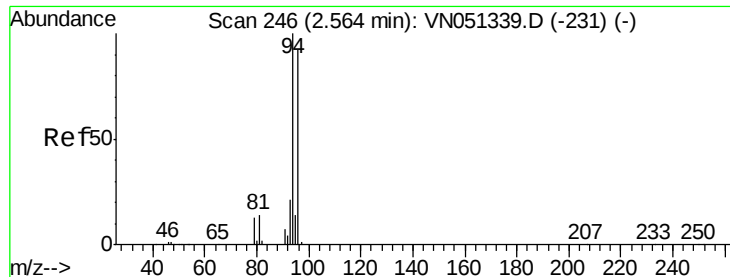
64 31.7 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 96.25 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA\_N

ClientSampleId :

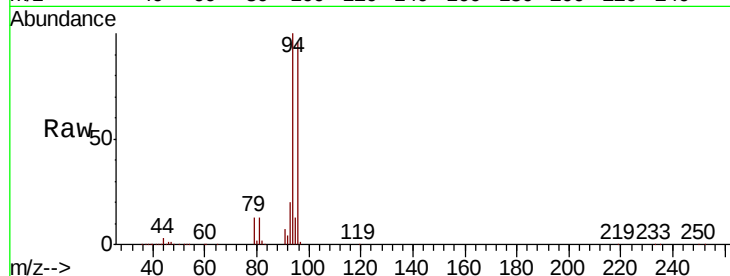
VSTDIC100

Tot Ion: 94 Resp: 552144

Ion Ratio Lower Upper

94 100

96 95.9 73.8 110.8



Abundance Ion 93.90 (93.60 to 94.60): VN051339.D (-231) (-)

Ion 95.90 (95.60 to 96.60): VN051339.D (-231) (-)

2.55

250000

200000

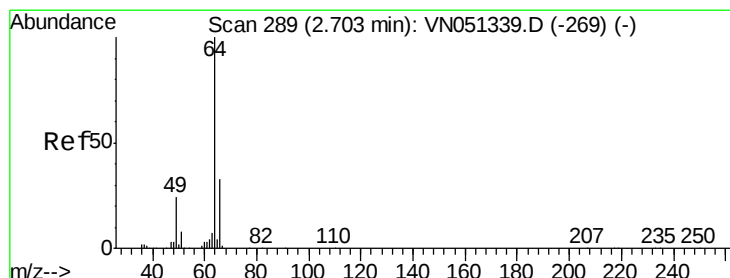
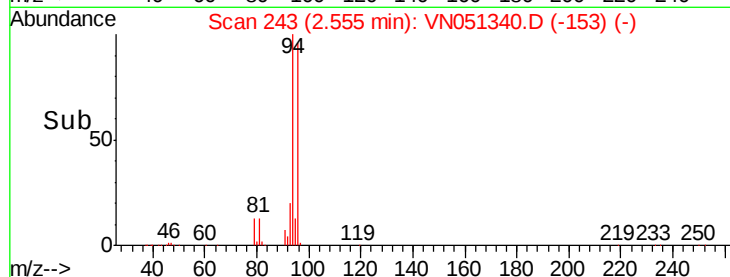
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 98.23 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051340.D

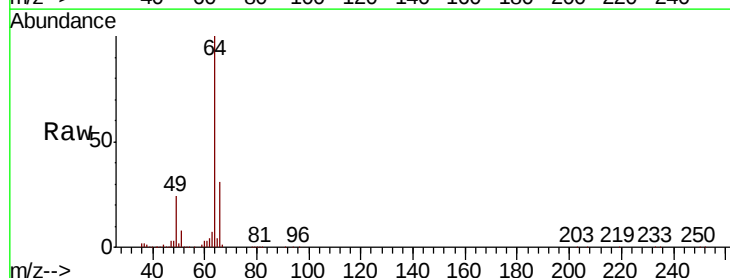
Acq: 20 Sep 2018 15:06

Tgt Ion: 64 Resp: 496455

Ion Ratio Lower Upper

64 100

66 31.4 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VN051339.D (-269) (-)

Ion 65.90 (65.60 to 66.60): VN051339.D (-269) (-)

2.70

250000

200000

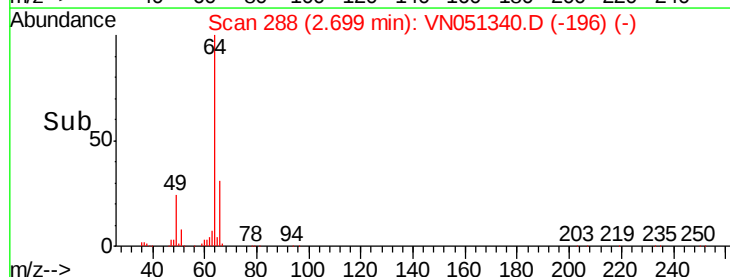
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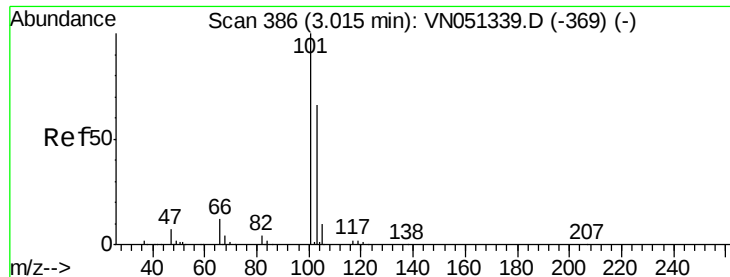
100000

50000

0

Time-->



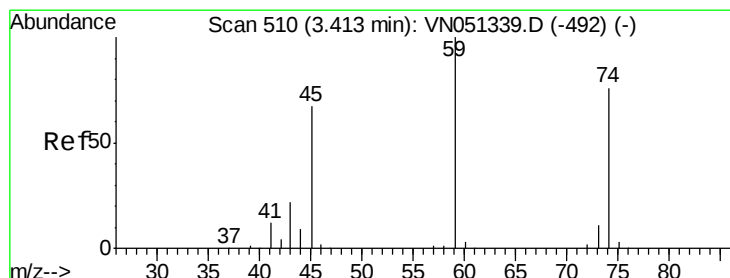
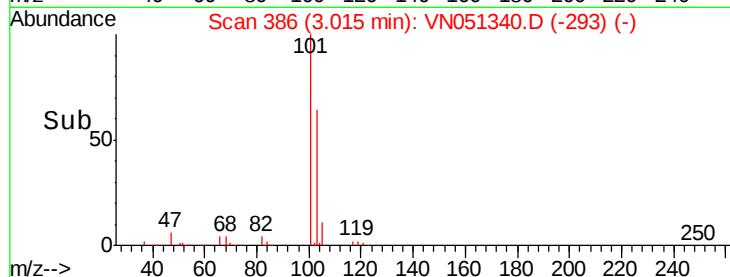
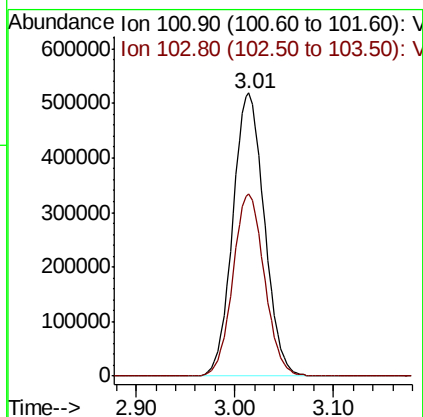
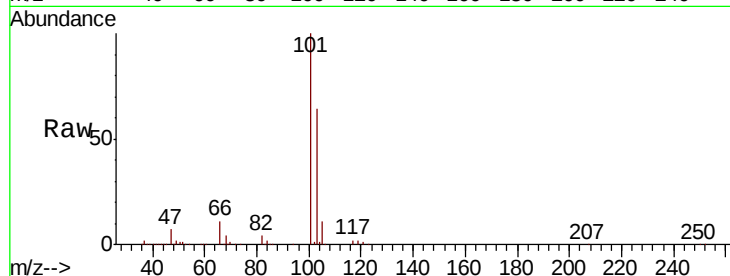


#7

Trichlorofluoromethane  
 Concen: 98.22 ug/l  
 RT: 3.01 min Scan# 386  
 Delta R.T. -0.00 min  
 Lab File: VN051340.D  
 Acq: 20 Sep 2018 15:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

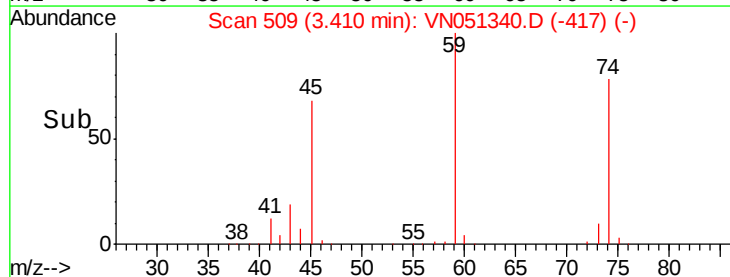
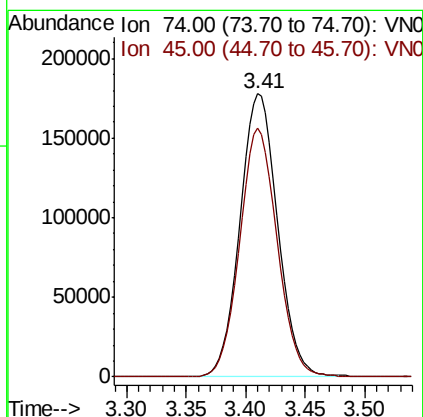
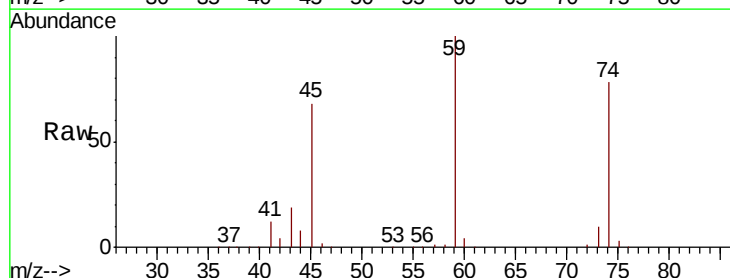
Tot Ion:101 Resp: 1154803  
 Ion Ratio Lower Upper  
 101 100  
 103 64.2 52.7 79.1

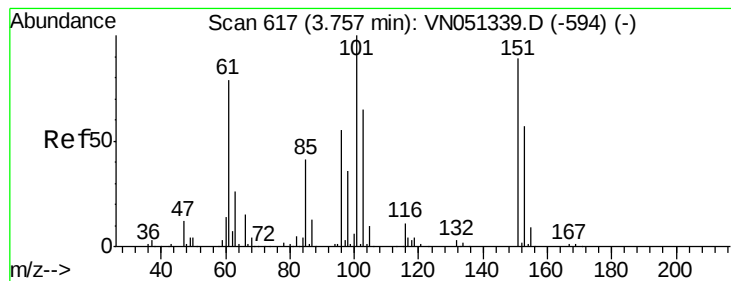


#8

Diethyl Ether  
 Concen: 103.81 ug/l  
 RT: 3.41 min Scan# 509  
 Delta R.T. -0.00 min  
 Lab File: VN051340.D  
 Acq: 20 Sep 2018 15:06

Tgt Ion: 74 Resp: 390512  
 Ion Ratio Lower Upper  
 74 100  
 45 87.2 44.1 132.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 96.62 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

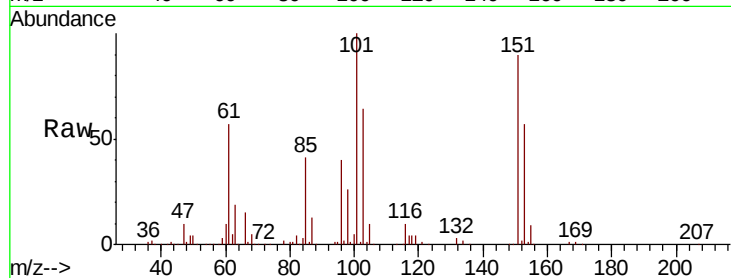
Tot Ion:101 Resp: 697026

Ion Ratio Lower Upper

101 100

85 41.0 33.4 50.2

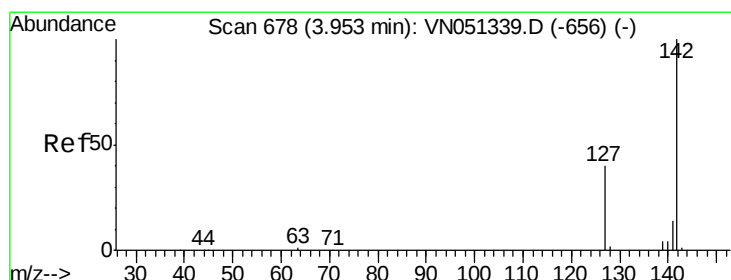
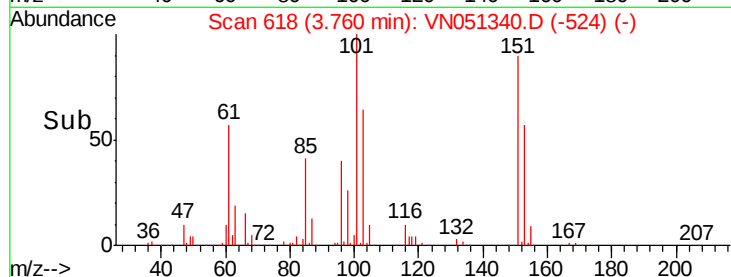
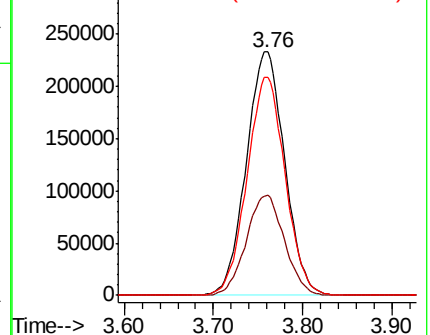
151 89.2 71.8 107.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 109.34 ug/l

RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

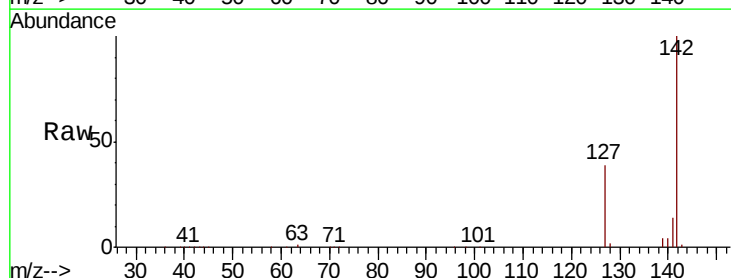
Tgt Ion:142 Resp: 1167354

Ion Ratio Lower Upper

142 100

127 39.4 31.9 47.9

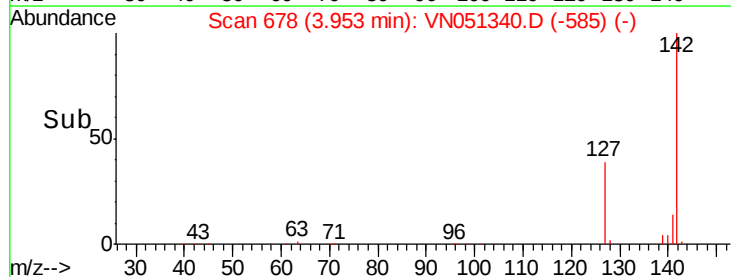
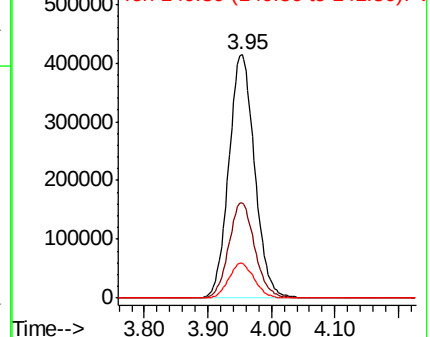
141 14.3 11.4 17.0

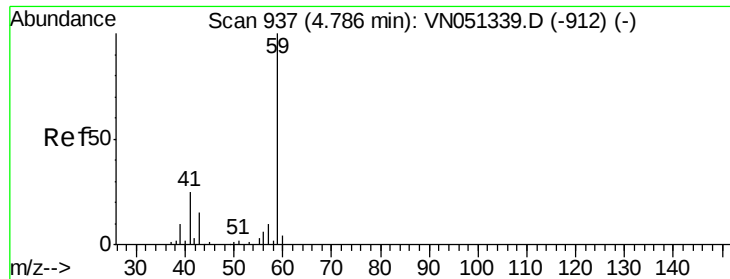


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



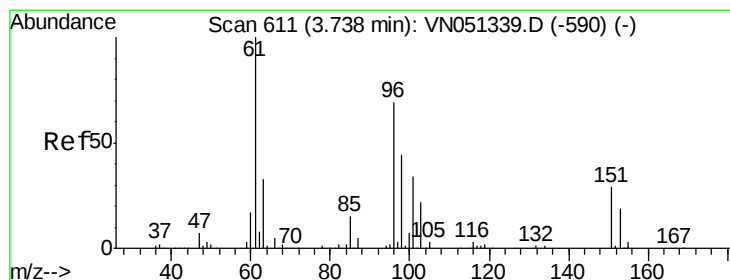
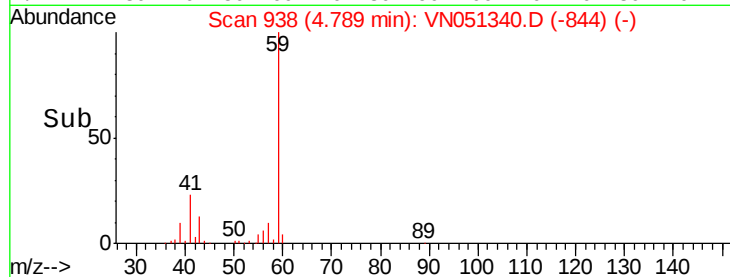
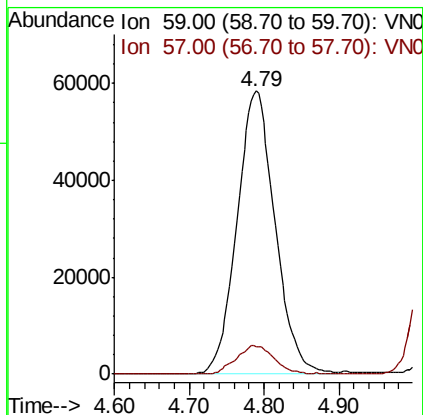
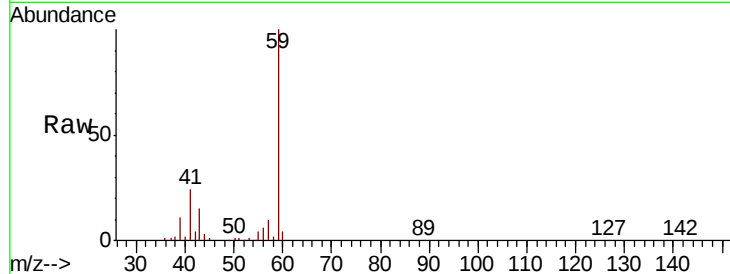


#11

Tert butyl alcohol  
 Concen: 514.53 ug/l  
 RT: 4.79 min Scan# 938  
 Delta R.T. 0.00 min  
 Lab File: VN051340.D  
 Acq: 20 Sep 2018 15:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

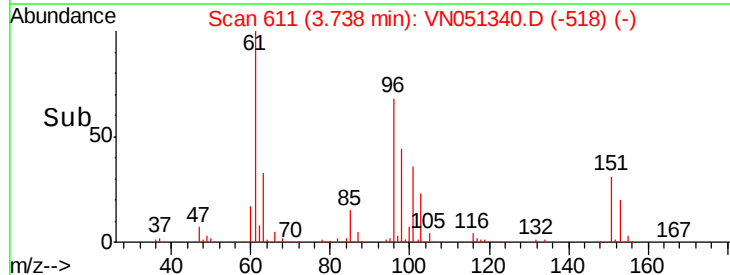
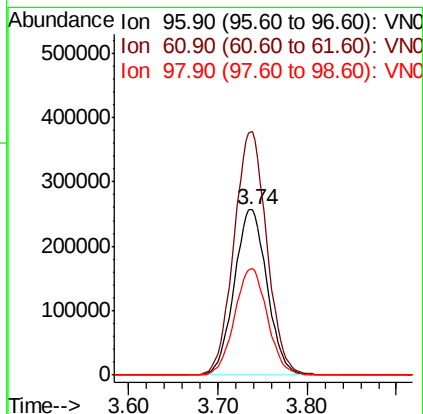
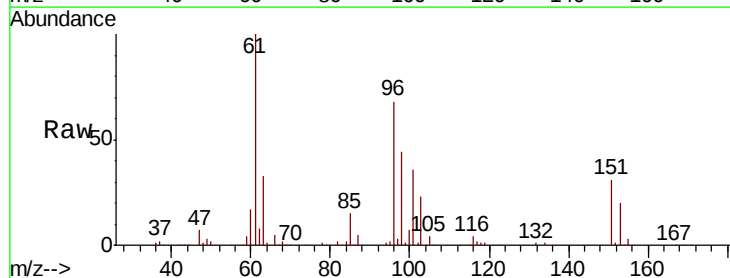
Tot Ion: 59 Resp: 206415  
 Ion Ratio Lower Upper  
 59 100  
 57 10.1 8.3 12.5

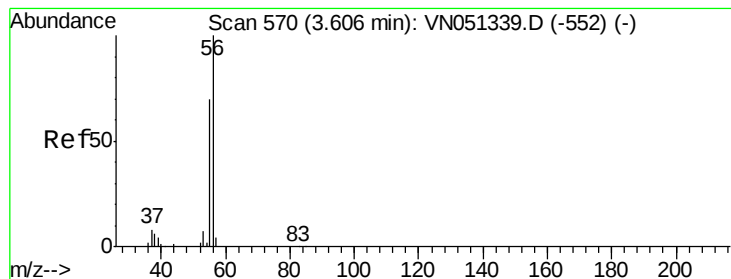


#12

1,1-Dichloroethene  
 Concen: 100.17 ug/l  
 RT: 3.74 min Scan# 611  
 Delta R.T. -0.00 min  
 Lab File: VN051340.D  
 Acq: 20 Sep 2018 15:06

Tgt Ion: 96 Resp: 654196  
 Ion Ratio Lower Upper  
 96 100  
 61 147.1 116.4 174.6  
 98 64.3 50.9 76.3





#13

Acrolein

Concen: 563.84 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA\_N

ClientSampleId :

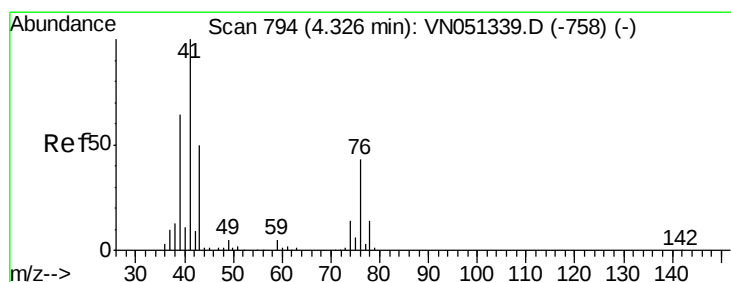
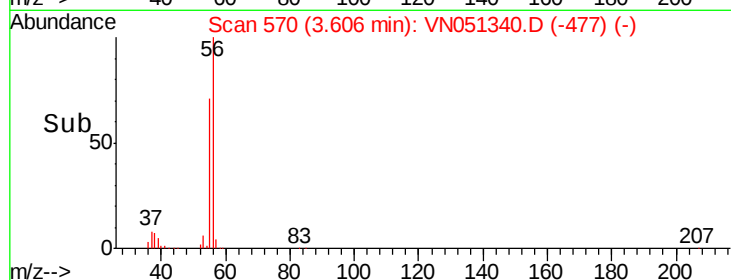
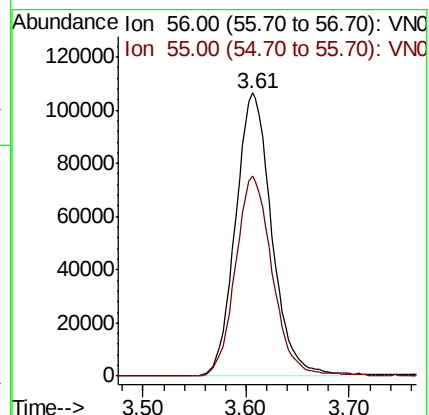
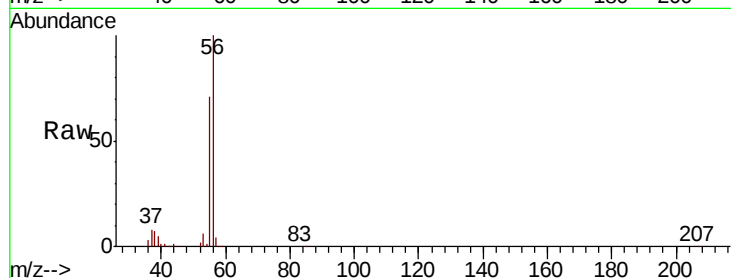
VSTDIC100

Tot Ion: 56 Resp: 258894

Ion Ratio Lower Upper

56 100

55 72.0 56.5 84.7



#14

Allyl chloride

Concen: 104.87 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

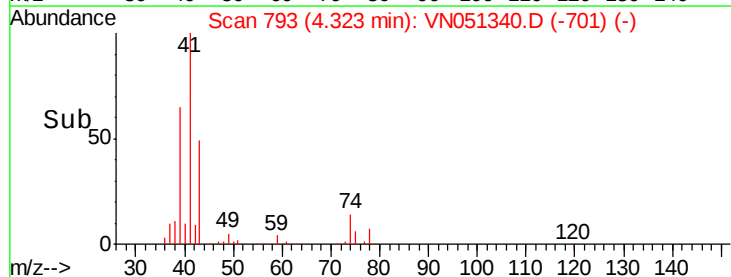
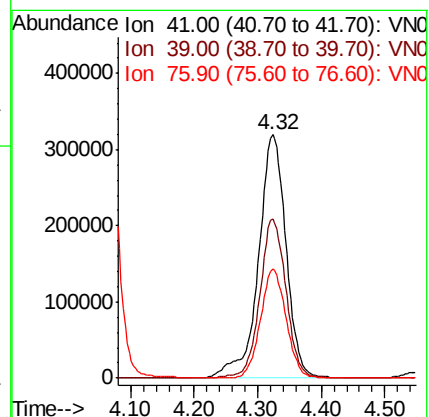
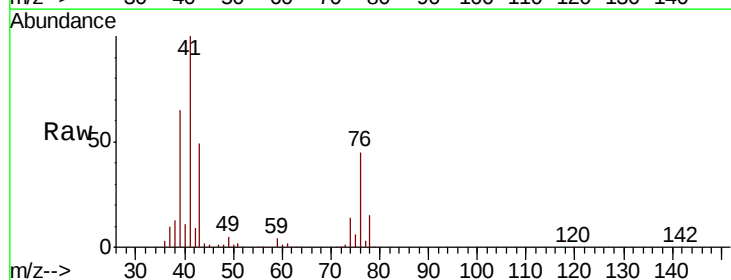
Tgt Ion: 41 Resp: 965248

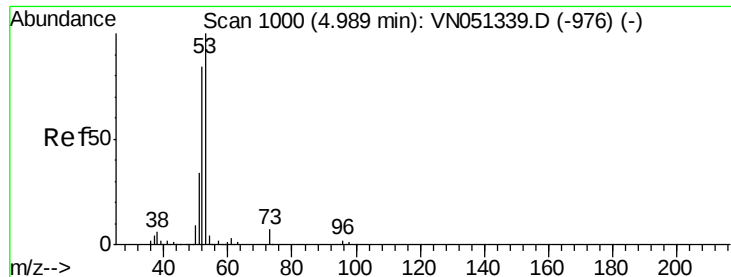
Ion Ratio Lower Upper

41 100

39 62.3 50.4 75.6

76 40.9 32.4 48.6





#15

Acrylonitrile

Concen: 519.94 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

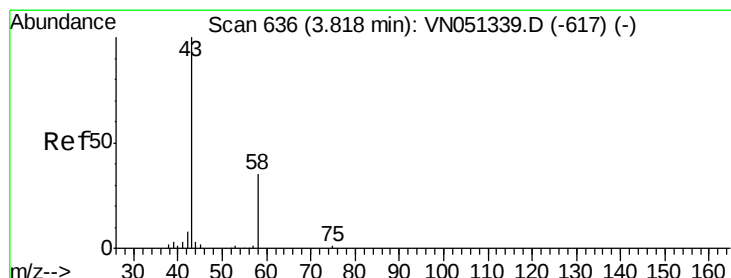
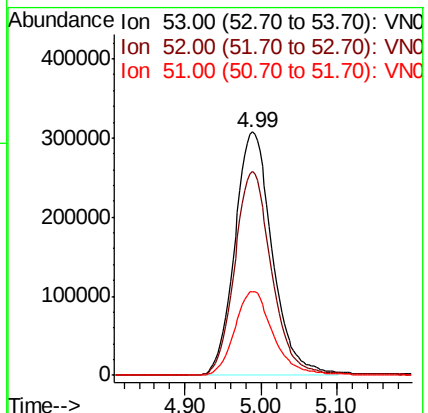
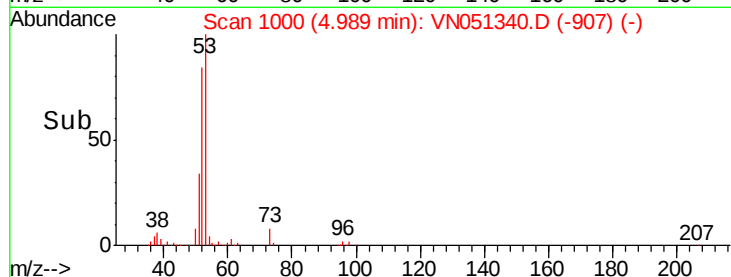
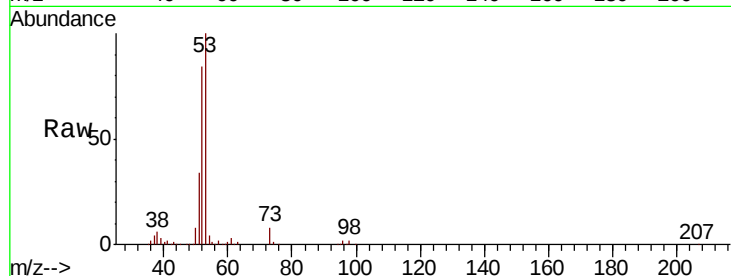
Tot Ion: 53 Resp: 1057068

Ion Ratio Lower Upper

53 100

52 82.3 65.4 98.0

51 35.2 28.3 42.5



#16

Acetone

Concen: 448.48 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051340.D

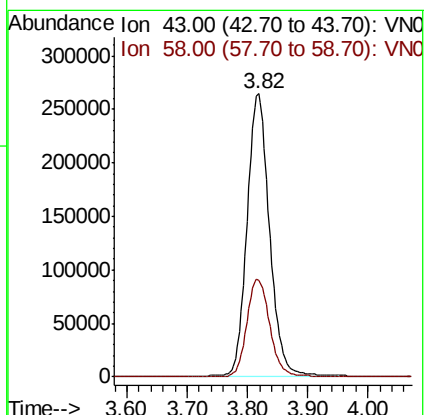
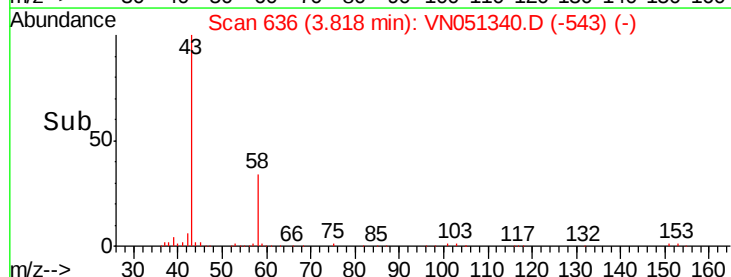
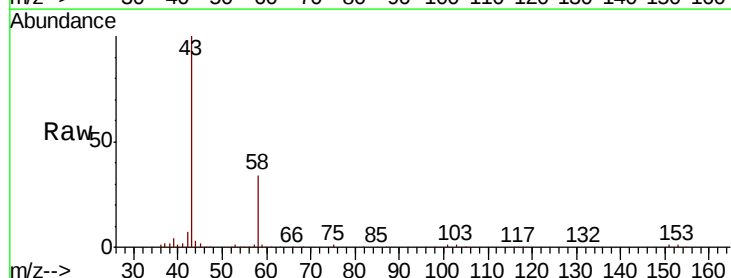
Acq: 20 Sep 2018 15:06

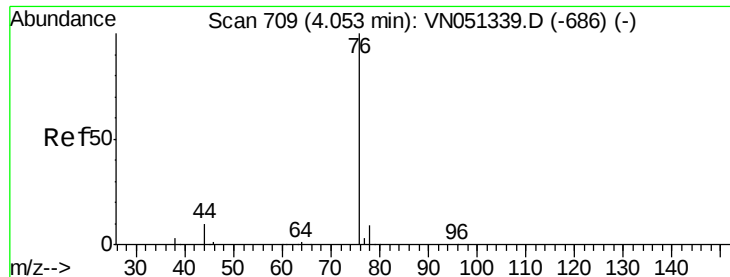
Tgt Ion: 43 Resp: 697137

Ion Ratio Lower Upper

43 100

58 34.2 28.3 42.5

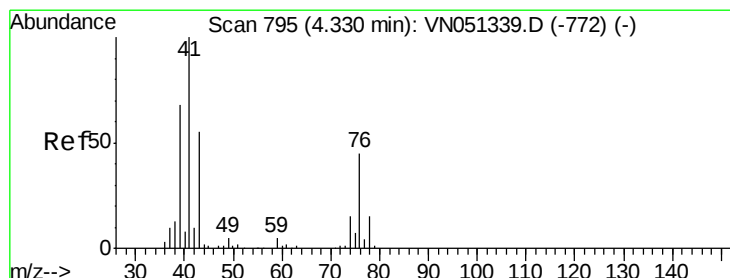
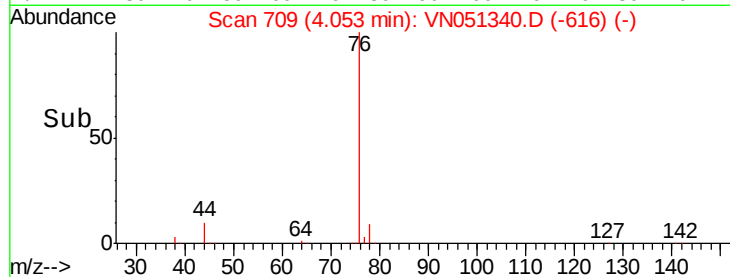
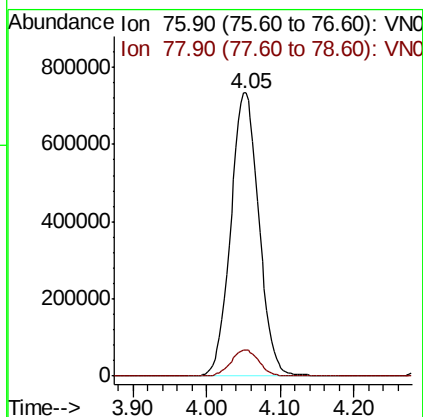
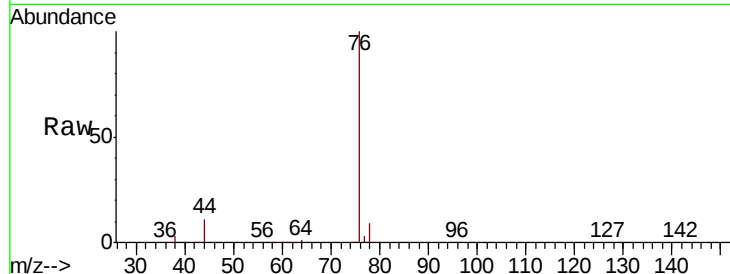




#17  
Carbon Disulfide  
Concen: 99.18 ug/l  
RT: 4.05 min Scan# 709  
Delta R.T. 0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

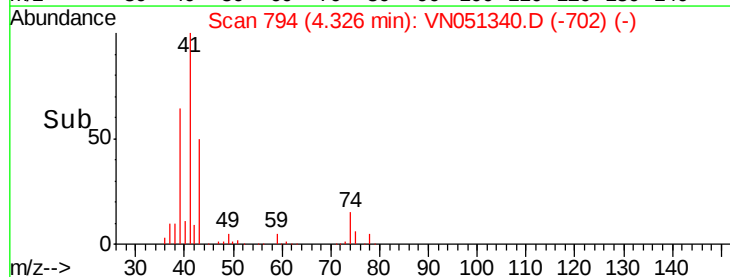
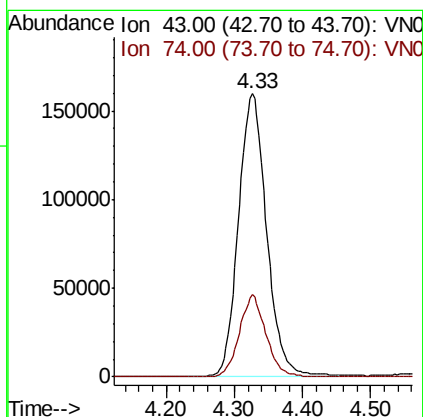
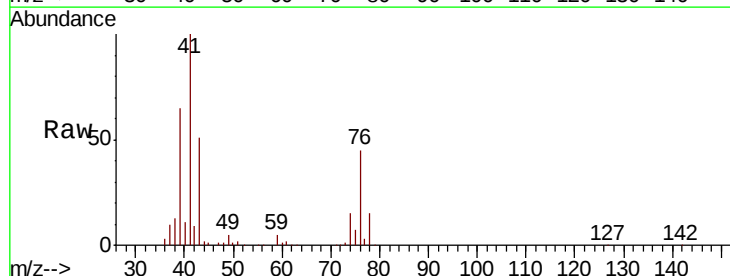
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

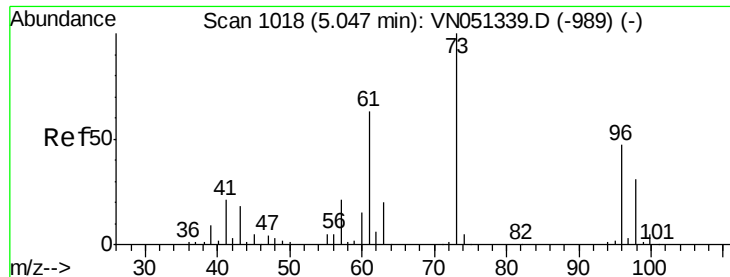
Tot Ion: 76 Resp: 1951524  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.0 10.6



#18  
Methyl Acetate  
Concen: 85.32 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. -0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

Tgt Ion: 43 Resp: 455741  
Ion Ratio Lower Upper  
43 100  
74 27.5 21.7 32.5

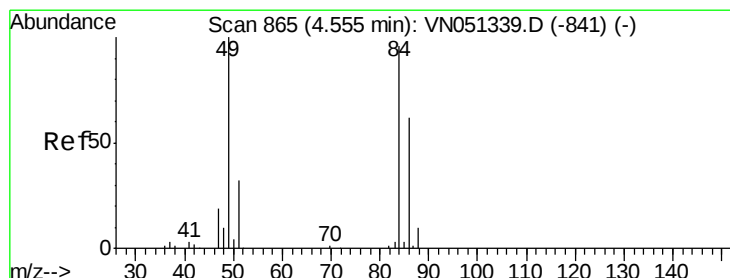
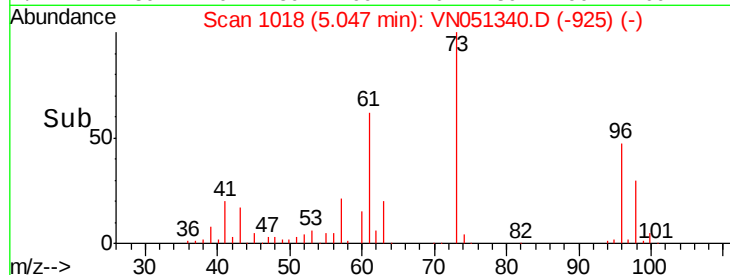
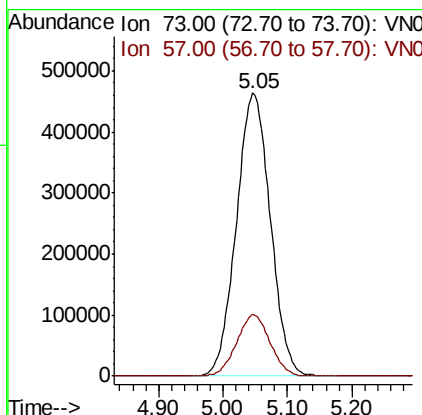
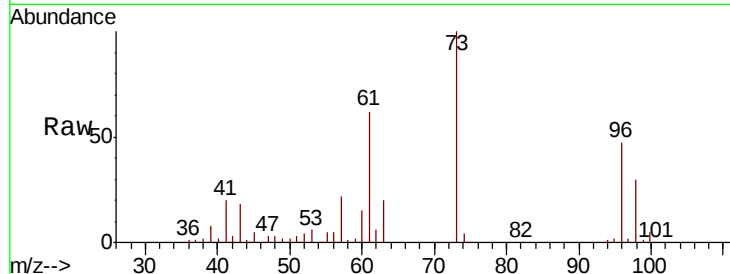




#19  
Methvl tert-butvl Ether  
Concen: 107.64 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. -0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

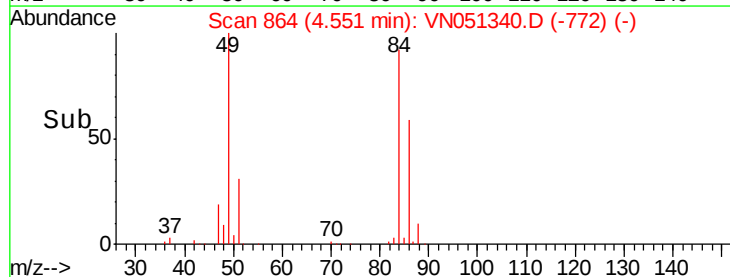
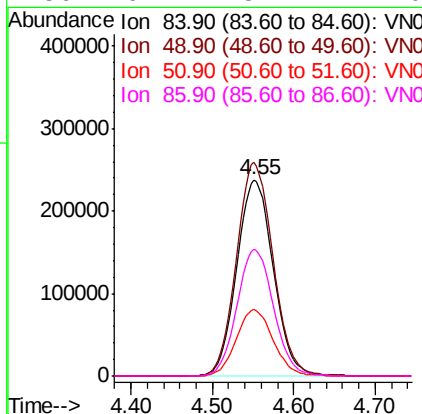
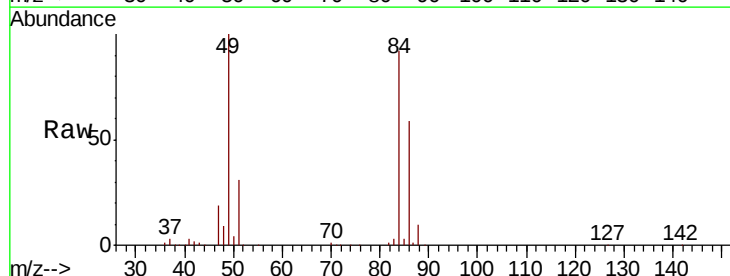
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

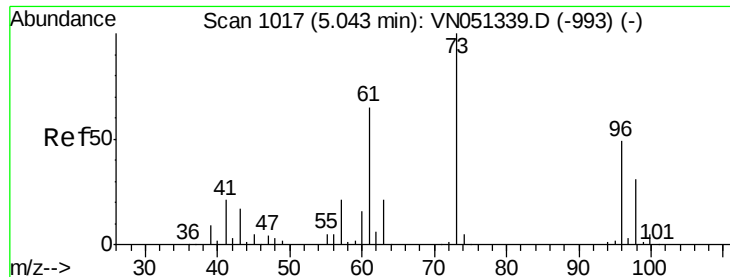
Tot Ion: 73 Resp: 1701251  
Ion Ratio Lower Upper  
73 100  
57 21.7 16.9 25.3



#20  
Methylene Chloride  
Concen: 94.83 ug/l  
RT: 4.55 min Scan# 864  
Delta R.T. -0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

Tgt Ion: 84 Resp: 737585  
Ion Ratio Lower Upper  
84 100  
49 109.0 83.2 124.8  
51 33.8 26.4 39.6  
86 64.7 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 102.39 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

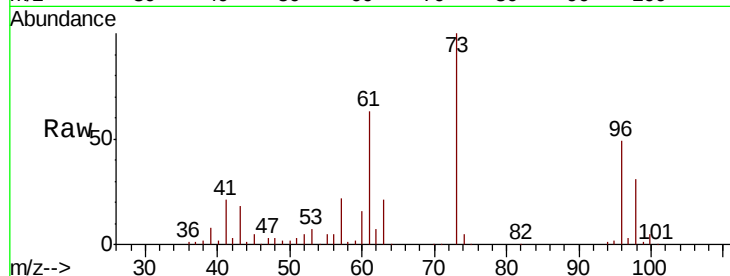
Tot Ion: 96 Resp: 706217

Ion Ratio Lower Upper

96 100

61 129.1 106.2 159.4

98 64.2 51.0 76.6

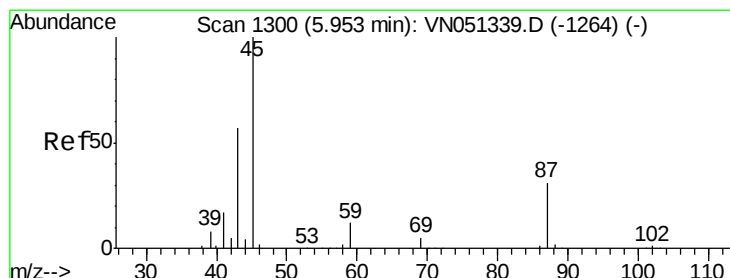
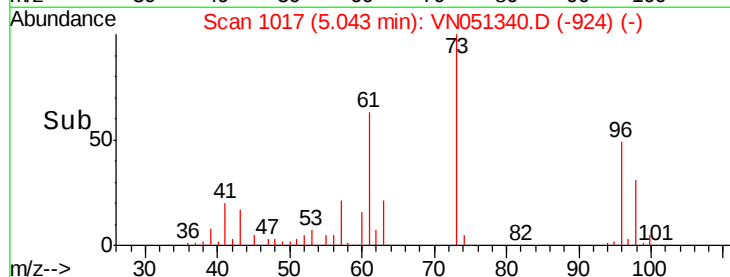
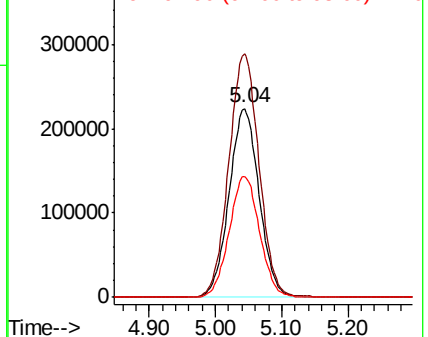


Abundance

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: 105.69 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Tgt Ion: 45 Resp: 1921653

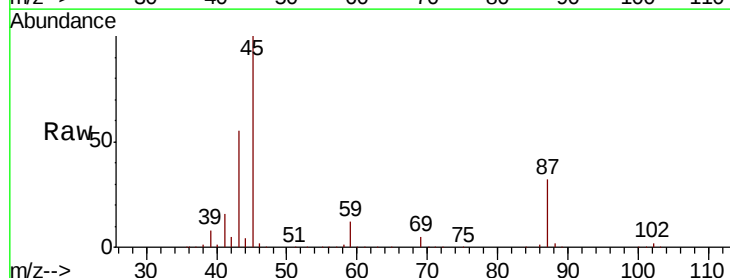
Ion Ratio Lower Upper

45 100

43 55.1 46.1 69.1

87 31.9 25.6 38.4

59 12.2 9.9 14.9



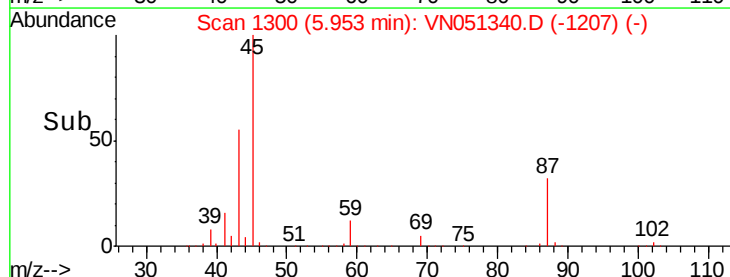
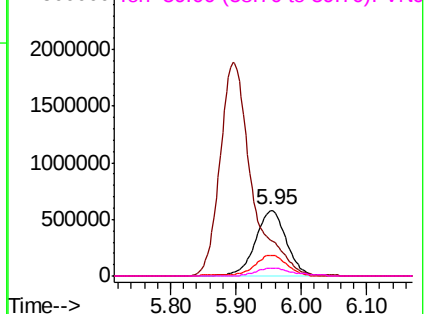
Abundance

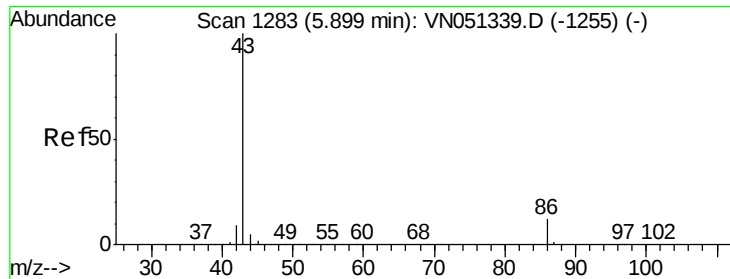
Ion 45.00 (44.70 to 45.70): VN0

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: 545.45 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA\_N

ClientSampleId :

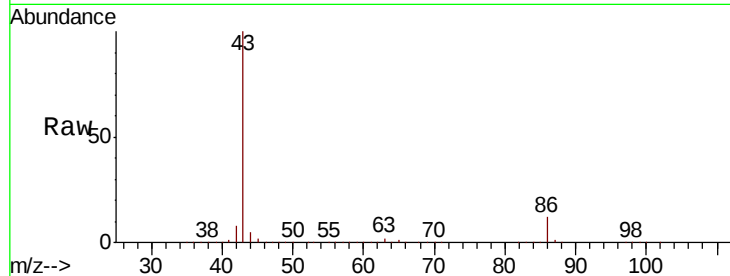
VSTDIC100

Tot Ion: 43 Resp: 6414990

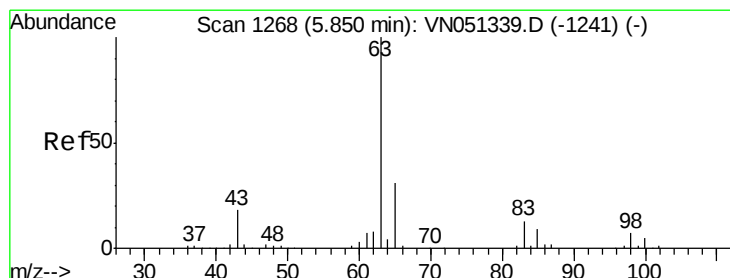
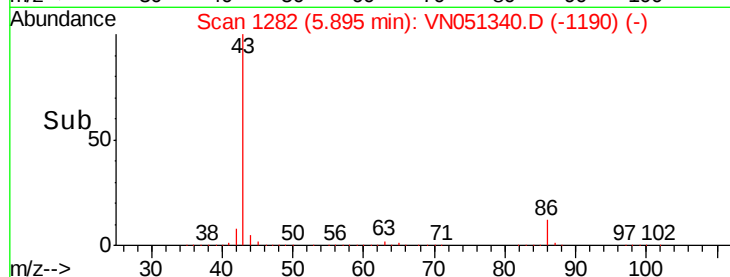
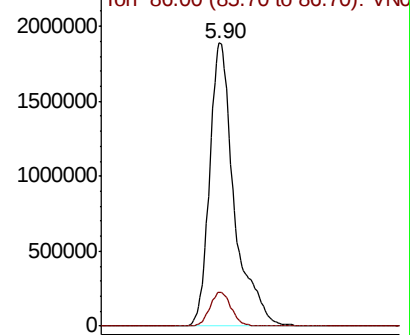
Ion Ratio Lower Upper

43 100

86 12.0 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN051339.D (-1255) (-)



#24

1,1-Dichloroethane

Concen: 98.85 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

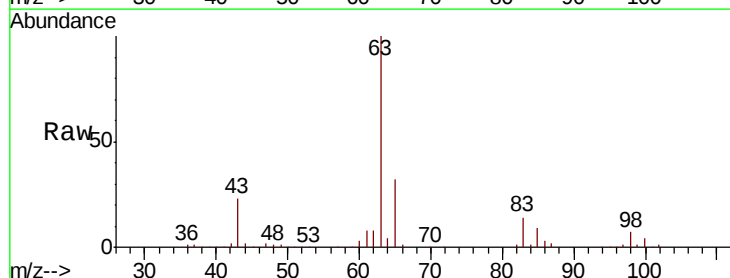
Tgt Ion: 63 Resp: 1225194

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

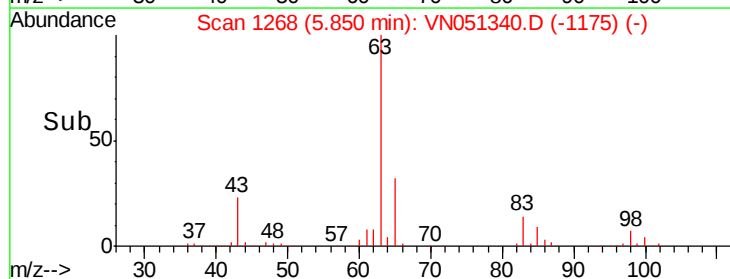
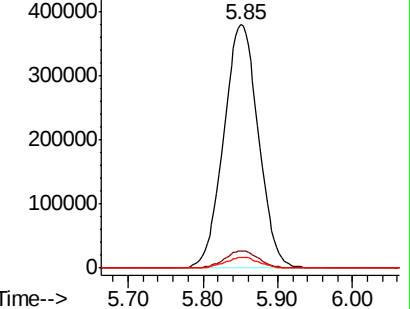
100 4.3 2.3 6.9

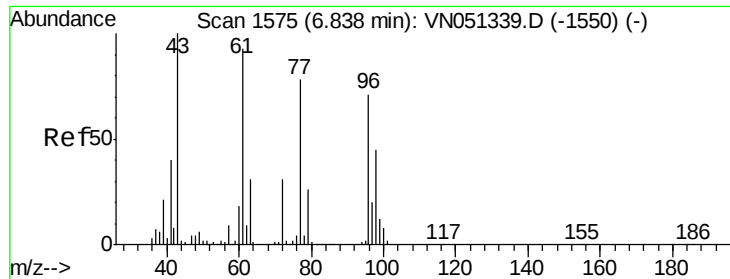


Abundance Ion 62.90 (62.60 to 63.60): VN051339.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN051339.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN051339.D (-1241) (-)

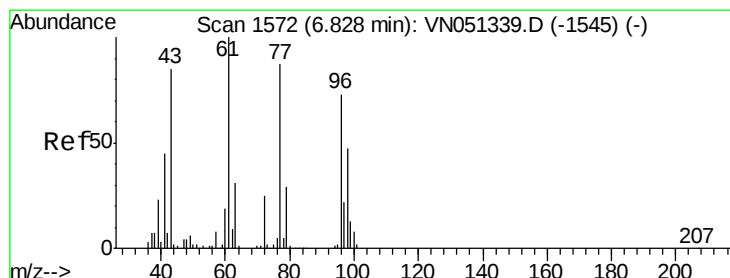
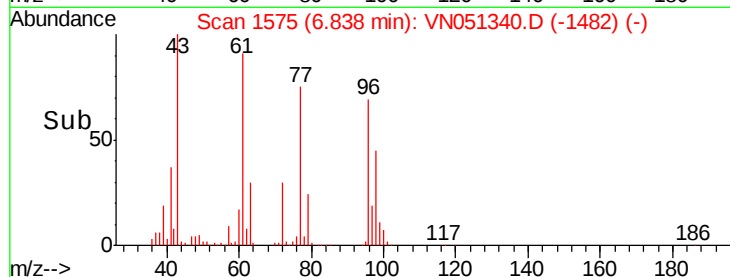
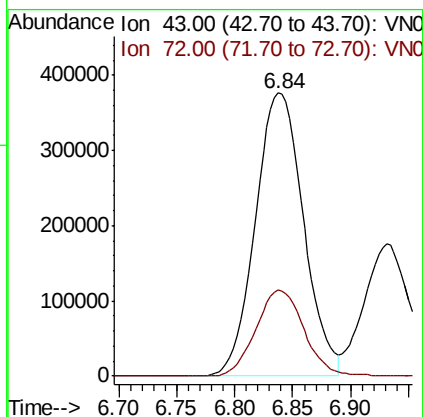
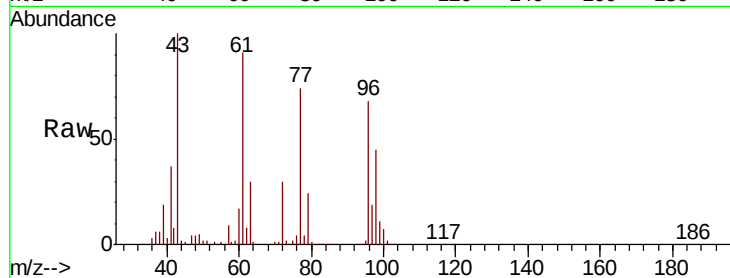




#25  
2-Butanone  
Concen: 501.82 ug/l  
RT: 6.84 min Scan# 1575  
Delta R.T. -0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

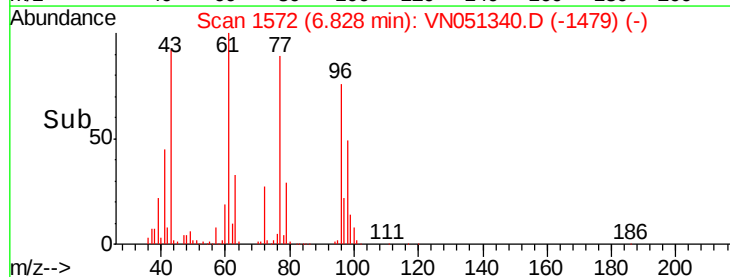
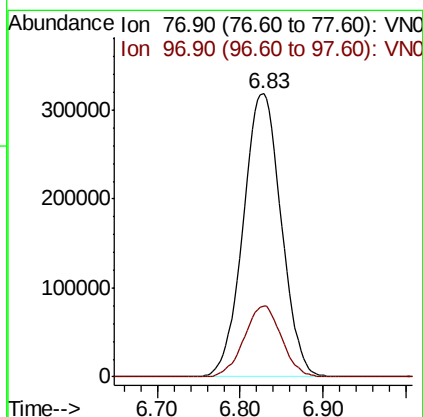
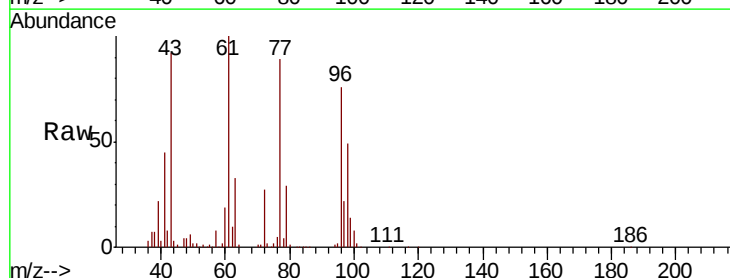
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

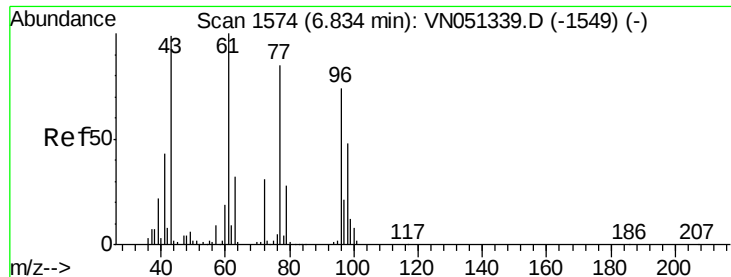
Tot Ion: 43 Resp: 1084959  
Ion Ratio Lower Upper  
43 100  
72 30.3 24.7 37.1



#26  
2,2-Dichloropropane  
Concen: 99.30 ug/l  
RT: 6.83 min Scan# 1572  
Delta R.T. -0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

Tgt Ion: 77 Resp: 1016942  
Ion Ratio Lower Upper  
77 100  
97 24.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 104.01 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

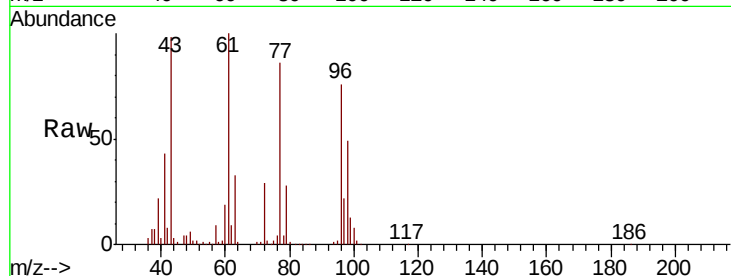
Tot Ion: 96 Resp: 794942

Ion Ratio Lower Upper

96 100

61 133.5 0.0 271.2

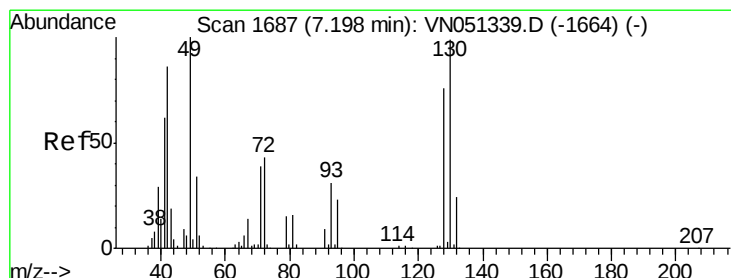
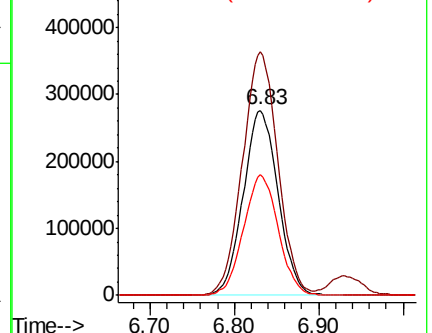
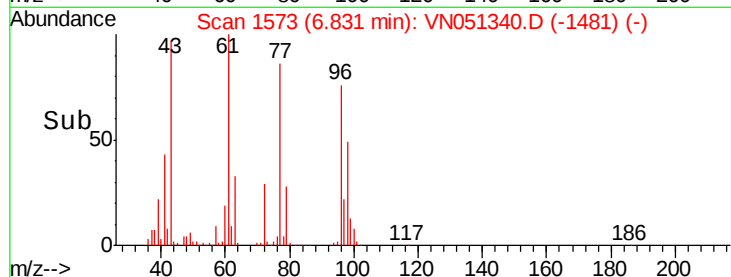
98 65.1 0.0 131.2



Abundance Ion 95.90 (95.60 to 96.60): VN051339.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN051339.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN051339.D (-1549) (-)



#28

Bromochloromethane

Concen: 102.89 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

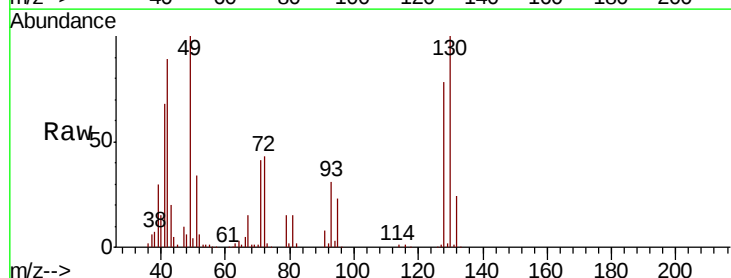
Tgt Ion: 49 Resp: 528542

Ion Ratio Lower Upper

49 100

129 1.2 0.0 4.0

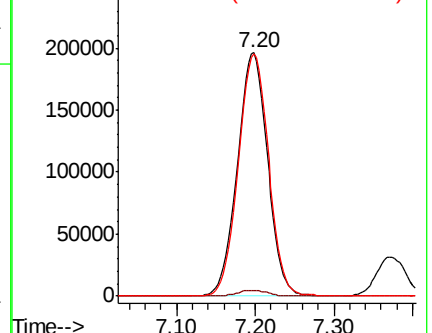
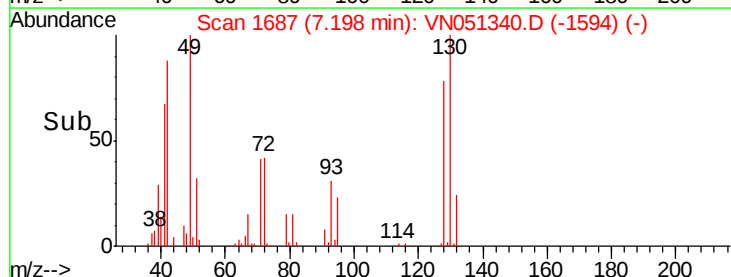
130 99.7 77.4 116.2

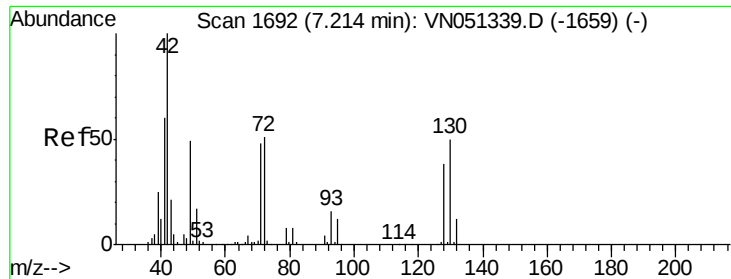


Abundance Ion 48.90 (48.60 to 49.60): VN051339.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN051339.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN051339.D (-1664) (-)

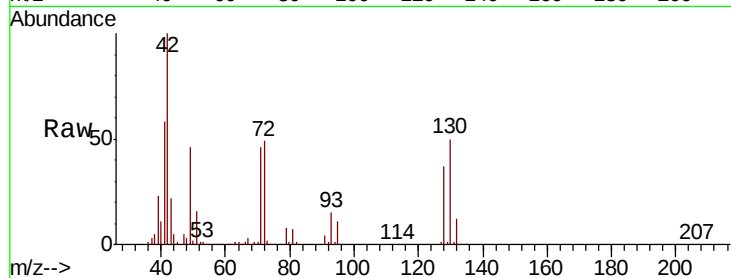




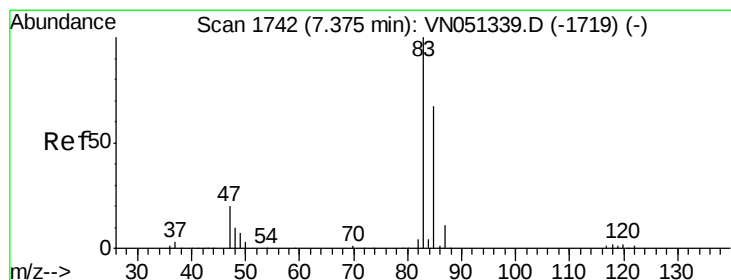
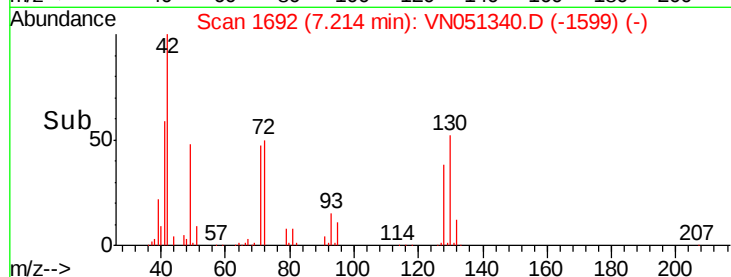
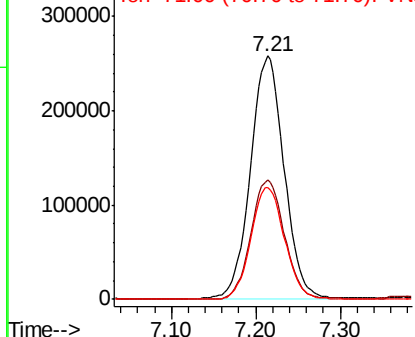
#29  
Tetrahydrofuran  
Concen: 521.54 ug/l  
RT: 7.21 min Scan# 1692  
Delta R.T. -0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

Tot Ion: 42 Resp: 714363  
Ion Ratio Lower Upper  
42 100  
72 49.0 39.0 58.4  
71 46.1 36.5 54.7

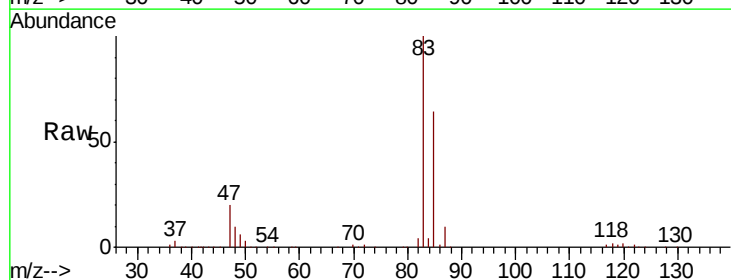


Abundance Ion 42.00 (41.70 to 42.70): VN0  
Ion 72.00 (71.70 to 72.70): VN0  
Ion 71.00 (70.70 to 71.70): VN0

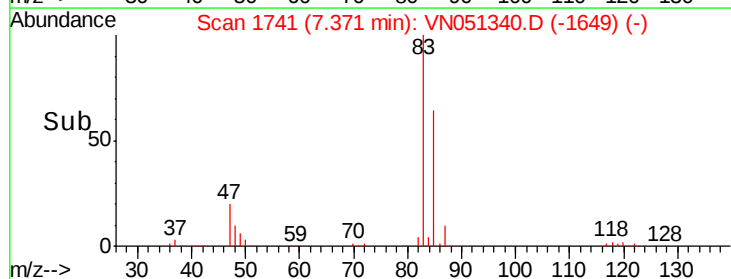
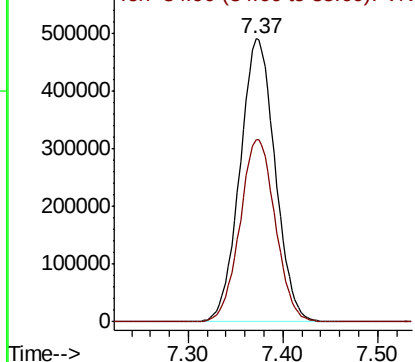


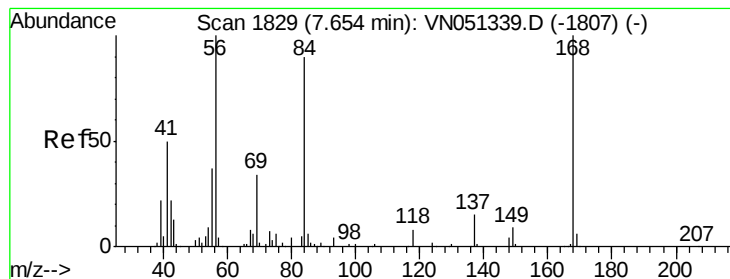
#30  
Chloroform  
Concen: 97.11 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. -0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

Tgt Ion: 83 Resp: 1264858  
Ion Ratio Lower Upper  
83 100  
85 64.3 53.2 79.8



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





#31

Cyclohexane

Concen: 91.38 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

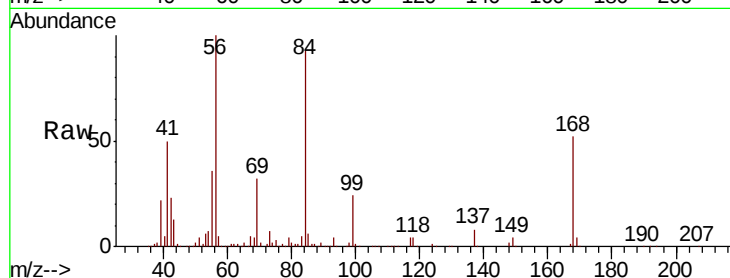
Tot Ion: 56 Resp: 1114400

Ion Ratio Lower Upper

56 100

69 32.2 27.3 40.9

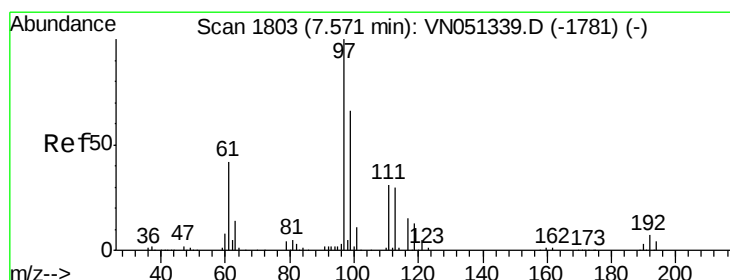
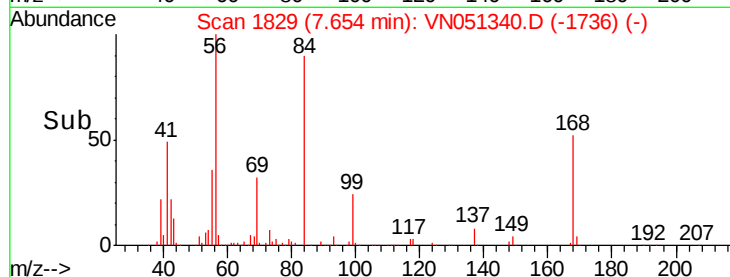
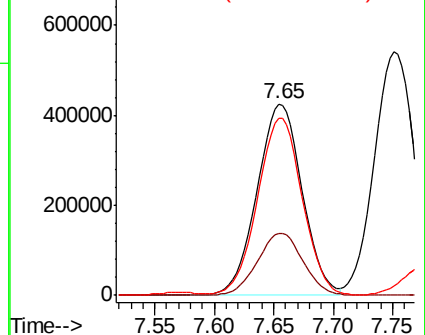
84 91.4 72.2 108.2



Abundance Ion 56.00 (55.70 to 56.70): VN051339.D (-1807) (-)

Ion 69.00 (68.70 to 69.70): VN051339.D (-1807) (-)

Ion 84.00 (83.70 to 84.70): VN051339.D (-1807) (-)



#32

1,1,1-Trichloroethane

Concen: 99.81 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

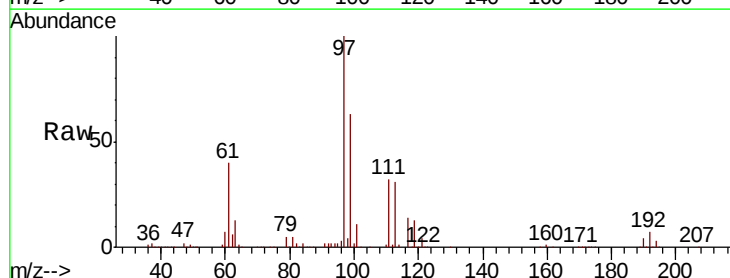
Tgt Ion: 97 Resp: 1120104

Ion Ratio Lower Upper

97 100

99 64.3 51.1 76.7

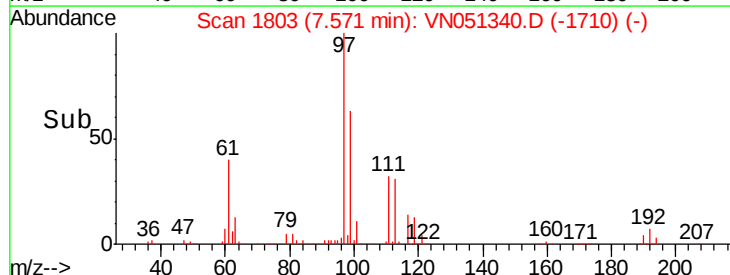
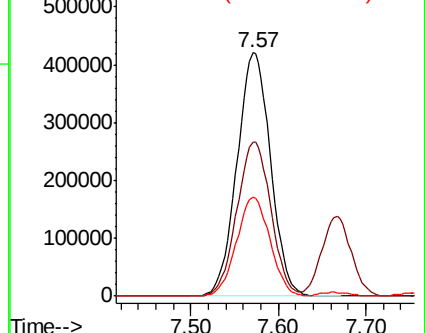
61 40.7 33.2 49.8

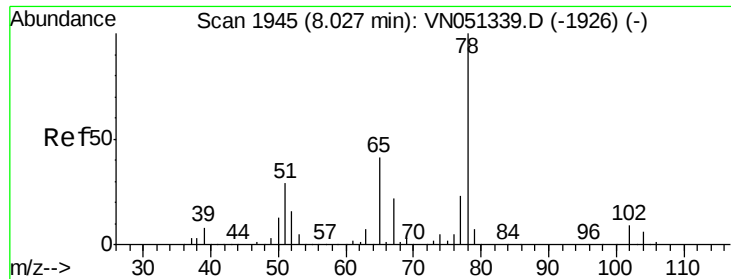


Abundance Ion 96.90 (96.60 to 97.60): VN051339.D (-1781) (-)

Ion 98.90 (98.60 to 99.60): VN051339.D (-1781) (-)

Ion 60.90 (60.60 to 61.60): VN051339.D (-1781) (-)

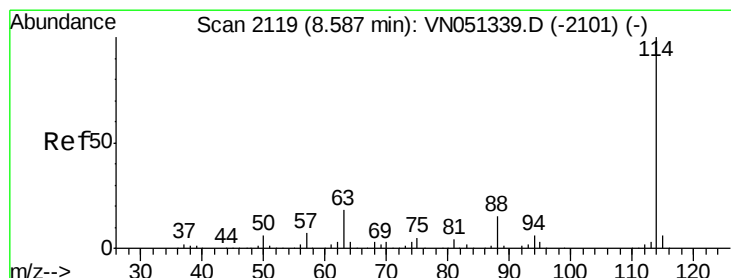
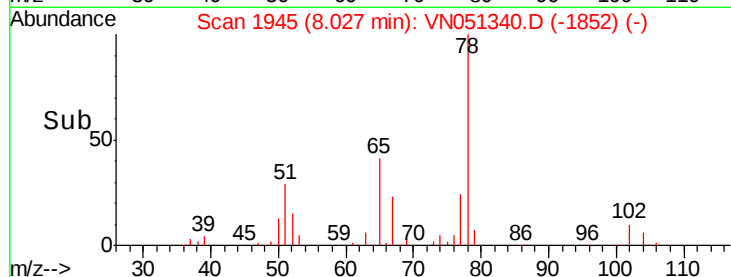
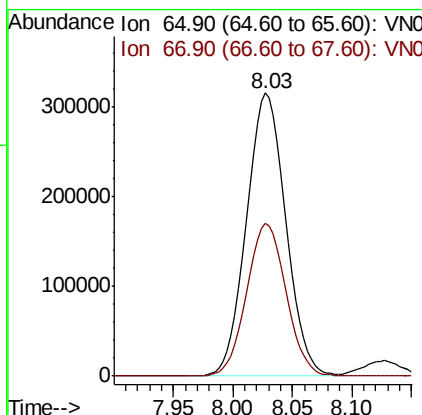
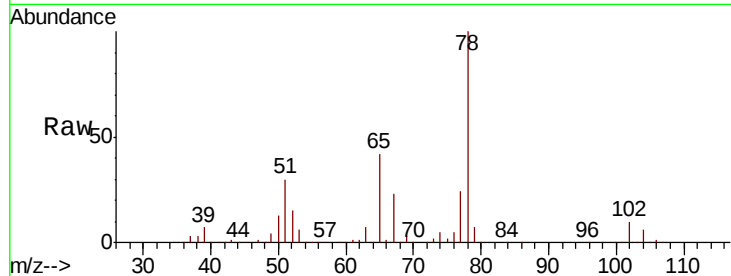




#33  
 1,2-Dichloroethane-d4  
 Concen: 95.67 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN051340.D  
 Acq: 20 Sep 2018 15:06

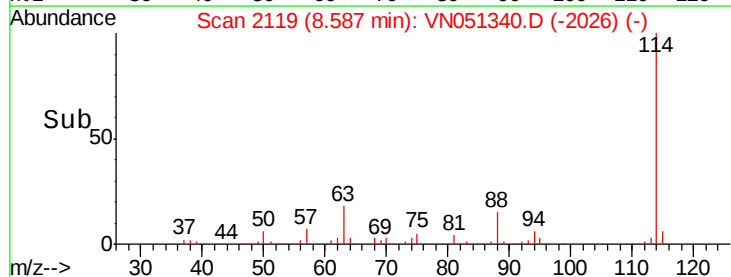
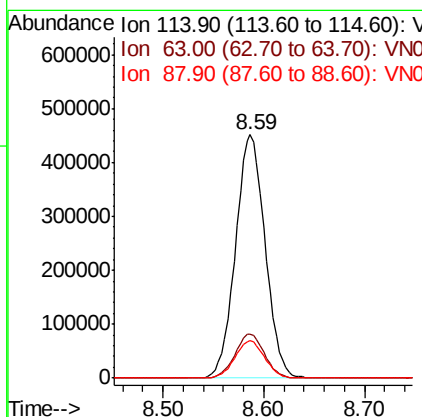
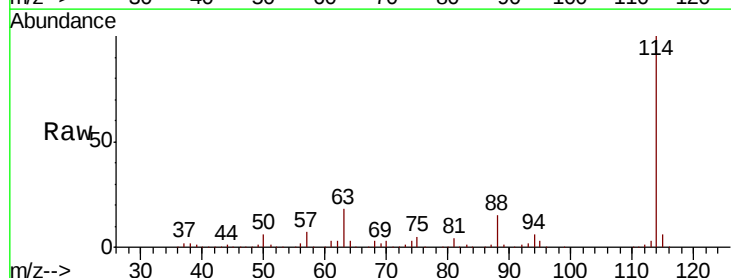
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

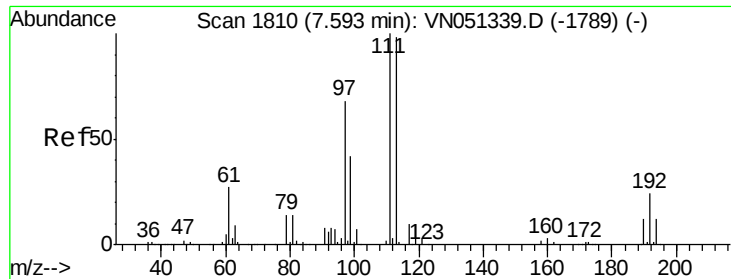
Tot Ion: 65 Resp: 723959  
 Ion Ratio Lower Upper  
 65 100  
 67 54.1 0.0 108.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN051340.D  
 Acq: 20 Sep 2018 15:06

Tgt Ion: 114 Resp: 917079  
 Ion Ratio Lower Upper  
 114 100  
 63 18.3 0.0 36.6  
 88 15.2 0.0 29.8

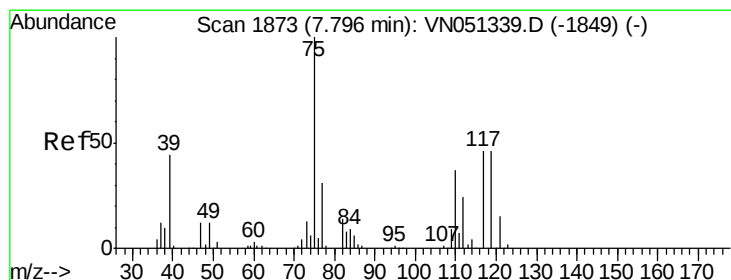
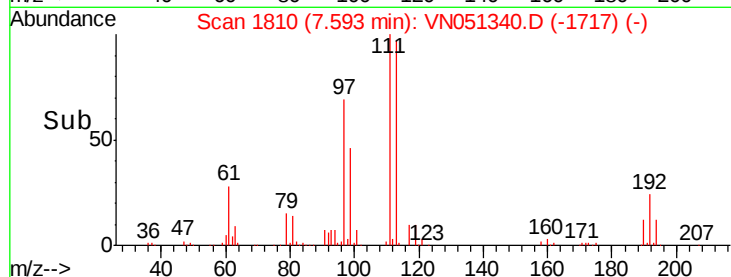
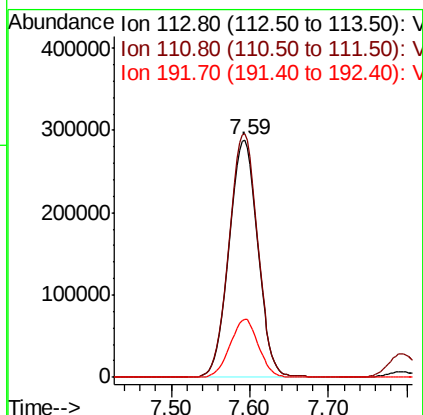
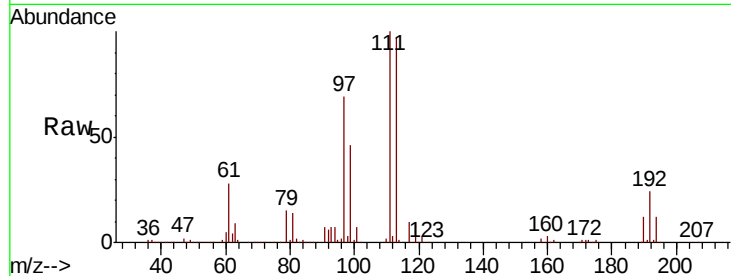




#35  
 Dibromofluoromethane  
 Concen: 98.59 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. -0.00 min  
 Lab File: VN051340.D  
 Acq: 20 Sep 2018 15:06

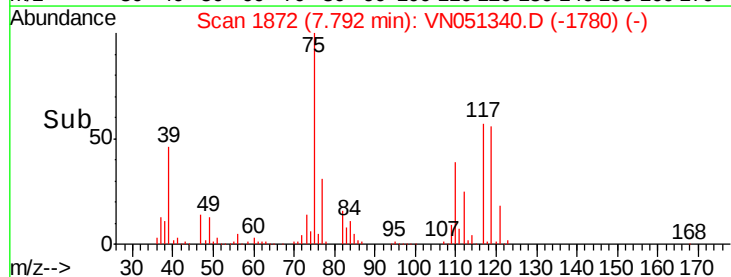
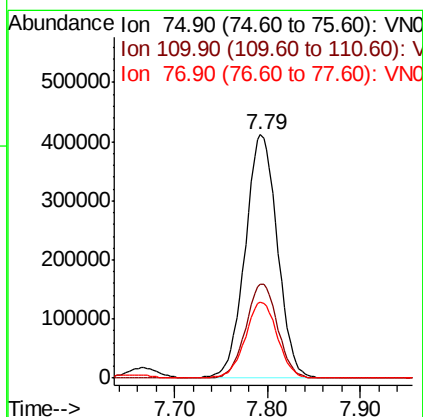
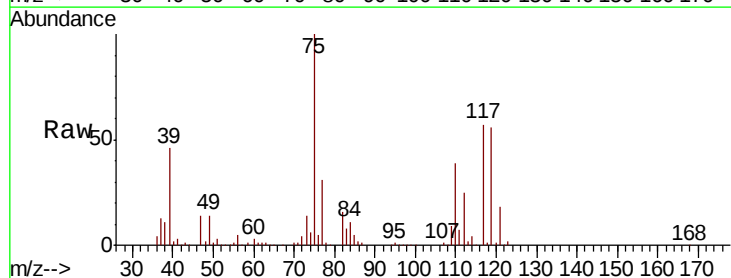
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

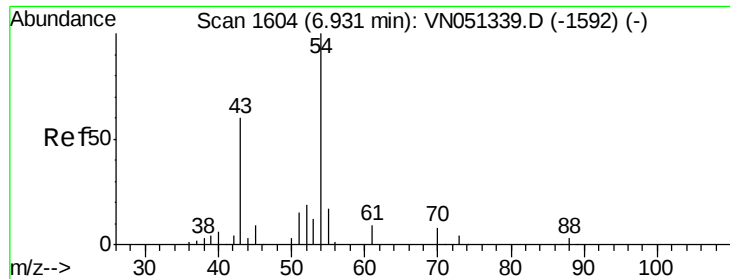
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.5 | 81.9  | 122.9 |
| 192     | 24.2  | 19.8  | 29.6  |



#36  
 1,1-Dichloropropene  
 Concen: 105.49 ug/l  
 RT: 7.79 min Scan# 1872  
 Delta R.T. -0.00 min  
 Lab File: VN051340.D  
 Acq: 20 Sep 2018 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 38.2  | 18.9  | 56.5  |
| 77      | 31.1  | 25.4  | 38.2  |

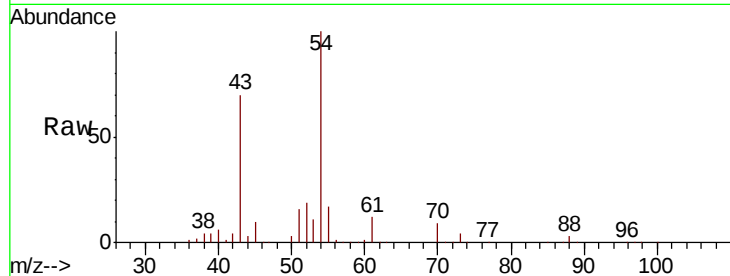




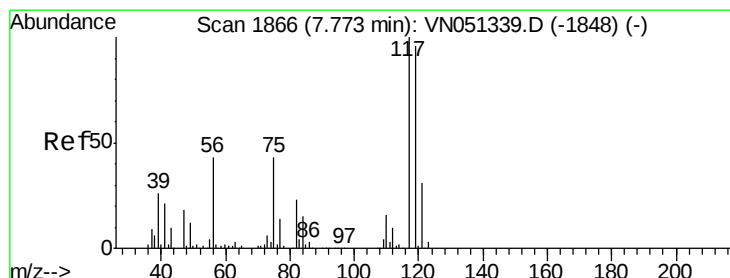
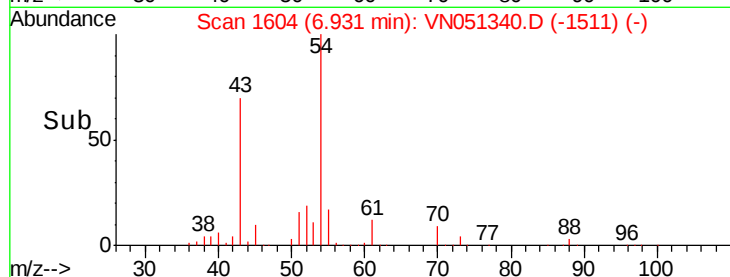
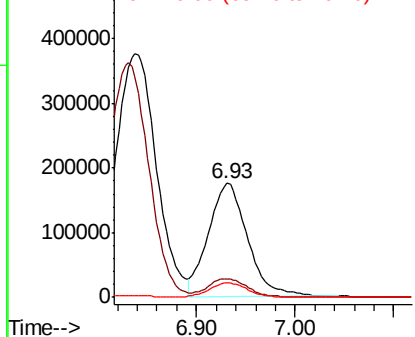
#37  
Ethyl Acetate  
Concen: 105.06 ug/l  
RT: 6.93 min Scan# 1604  
Delta R.T. -0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

Tot Ion: 43 Resp: 487888  
Ion Ratio Lower Upper  
43 100  
61 16.2 13.6 20.4  
70 12.2 9.4 14.2

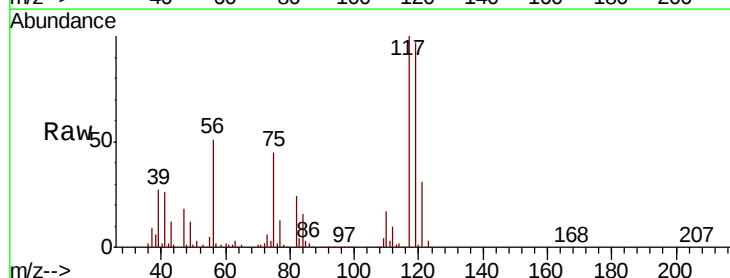


Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 70.00 (69.70 to 70.70): VN0

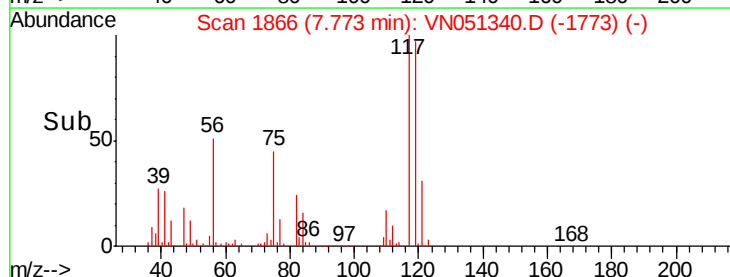
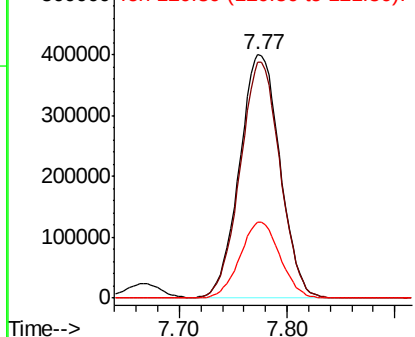


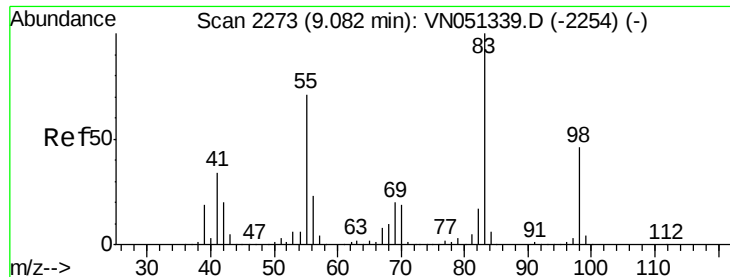
#38  
Carbon Tetrachloride  
Concen: 102.71 ug/l  
RT: 7.77 min Scan# 1866  
Delta R.T. -0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

Tgt Ion: 117 Resp: 1042334  
Ion Ratio Lower Upper  
117 100  
119 96.8 77.0 115.4  
121 31.3 25.0 37.4



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

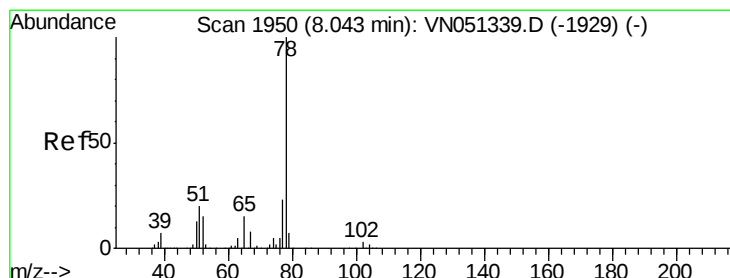
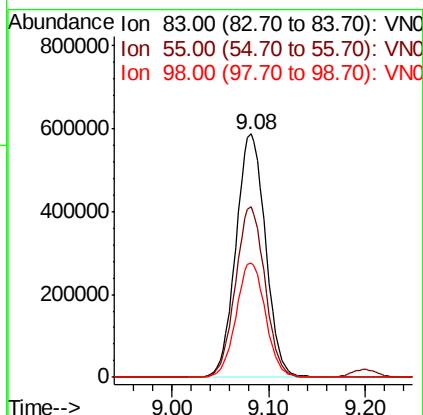
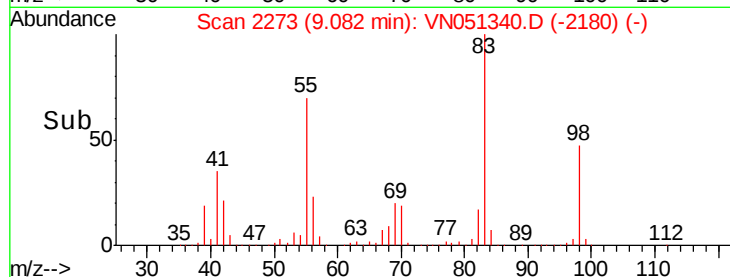
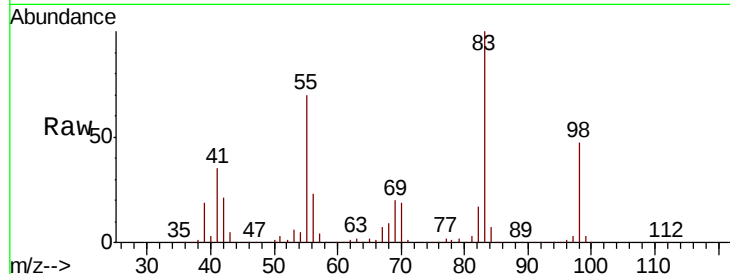




#39  
Methvlcvclohexane  
Concen: 113.90 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. -0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

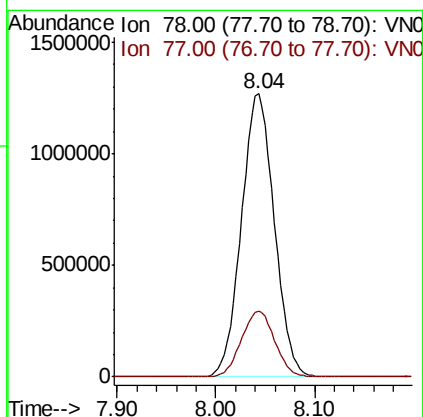
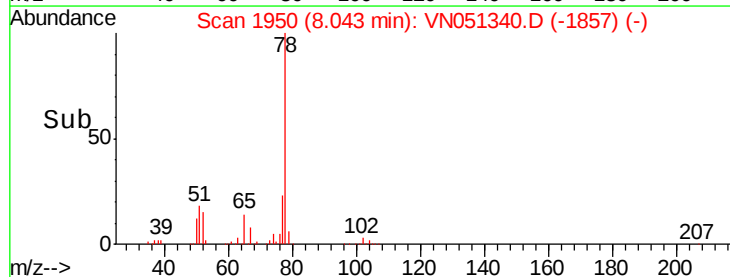
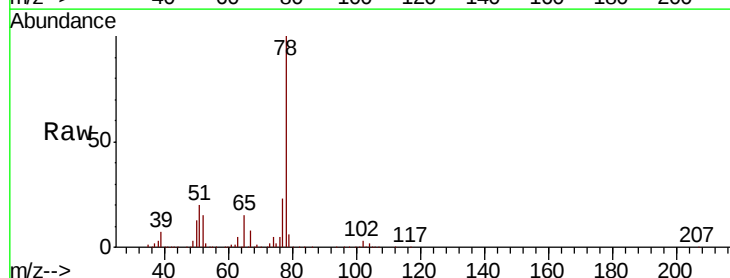
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

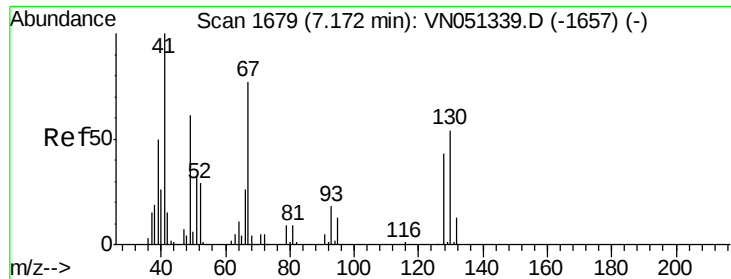
Tot Ion: 83 Resp: 1246946  
Ion Ratio Lower Upper  
83 100  
55 69.9 56.5 84.7  
98 47.2 36.7 55.1



#40  
Benzene  
Concen: 103.44 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. -0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

Tgt Ion: 78 Resp: 2923861  
Ion Ratio Lower Upper  
78 100  
77 23.3 18.5 27.7

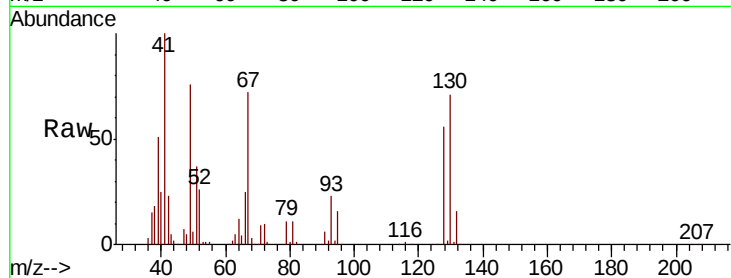




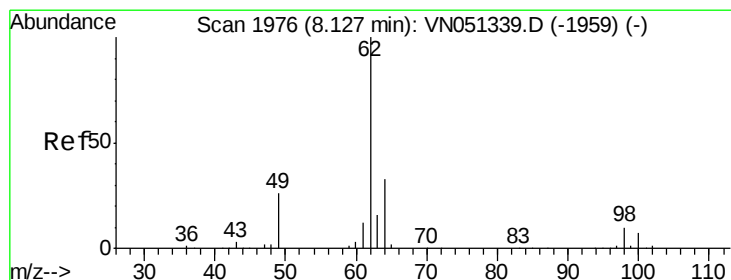
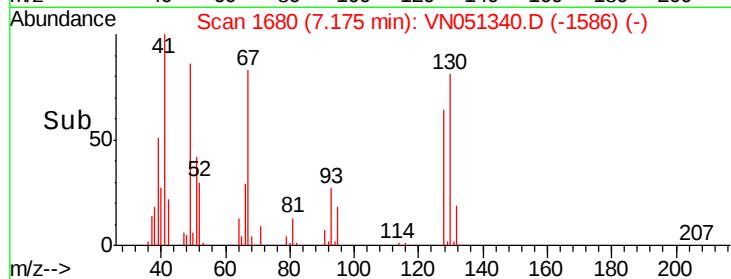
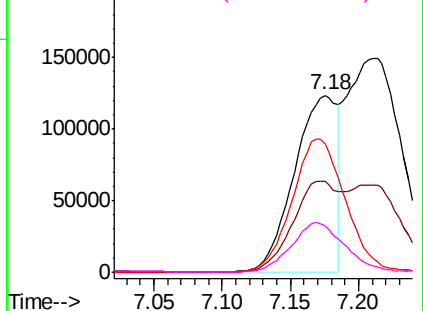
#41  
Methacrylonitrile  
Concen: 111.84 ug/l  
RT: 7.18 min Scan# 1680  
Delta R.T. 0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

Tot Ion: 41 Resp: 270577  
Ion Ratio Lower Upper  
41 100  
39 56.0 51.3 76.9  
67 93.2 77.0 115.4  
52 34.5 30.4 45.6

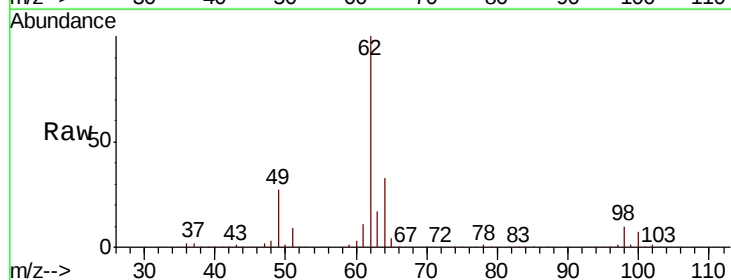


Abundance Ion 41.00 (40.70 to 41.70): VNO  
Ion 39.00 (38.70 to 39.70): VNO  
Ion 67.00 (66.70 to 67.70): VNO  
Ion 52.00 (51.70 to 52.70): VNO

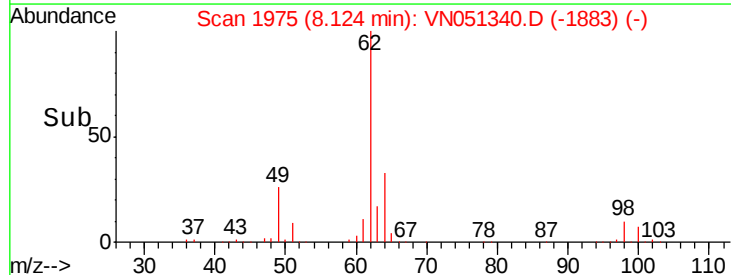
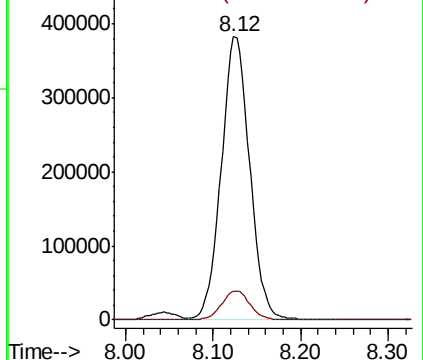


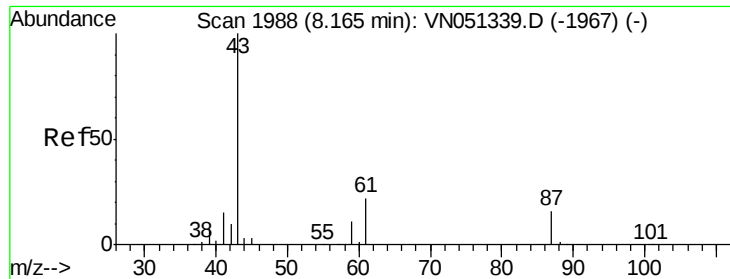
#42  
1,2-Dichloroethane  
Concen: 100.66 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. -0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

Tgt Ion: 62 Resp: 859464  
Ion Ratio Lower Upper  
62 100  
98 10.2 0.0 20.6



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



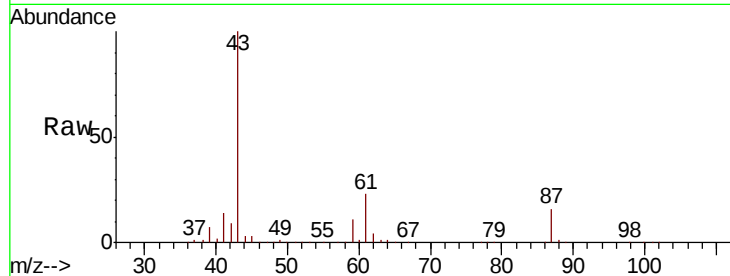


#43

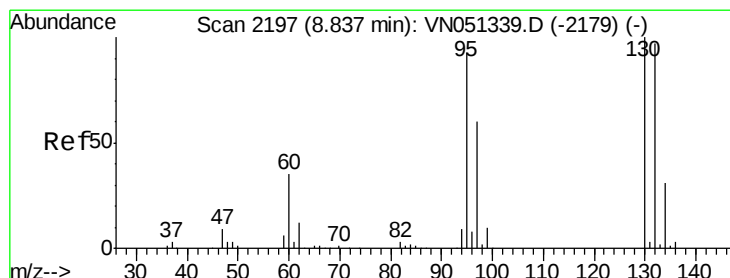
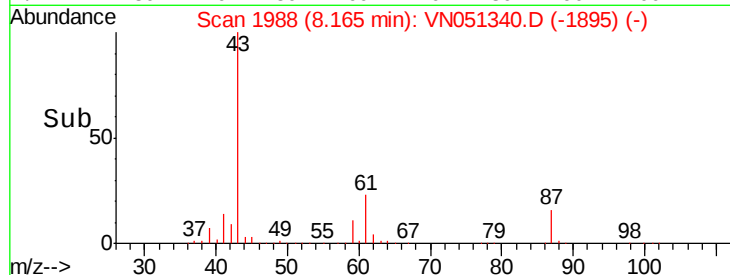
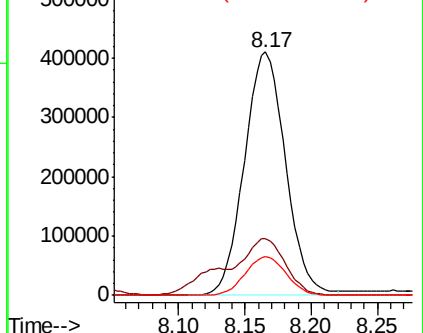
Isopropyl Acetate  
 Concen: 109.35 ug/l  
 RT: 8.17 min Scan# 1988  
 Delta R.T. -0.00 min  
 Lab File: VN051340.D  
 Acq: 20 Sep 2018 15:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

Tot Ion: 43 Resp: 889326  
 Ion Ratio Lower Upper  
 43 100  
 61 23.1 18.1 27.1  
 87 16.0 12.8 19.2



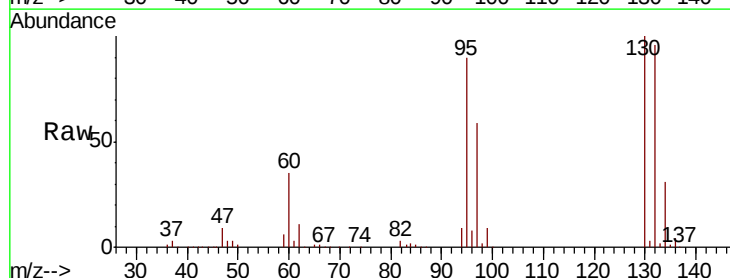
Abundance Ion 43.00 (42.70 to 43.70): VN0  
 Ion 61.00 (60.70 to 61.70): VN0  
 Ion 87.00 (86.70 to 87.70): VN0



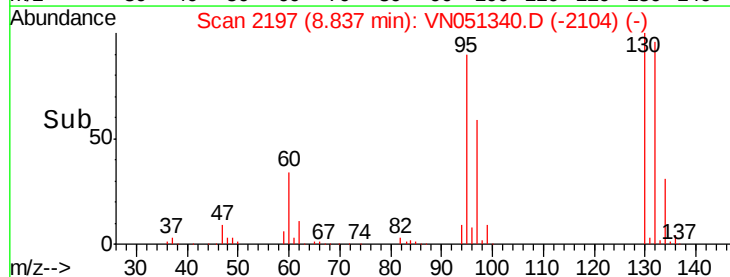
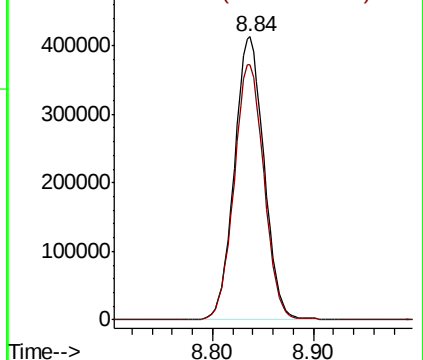
#44

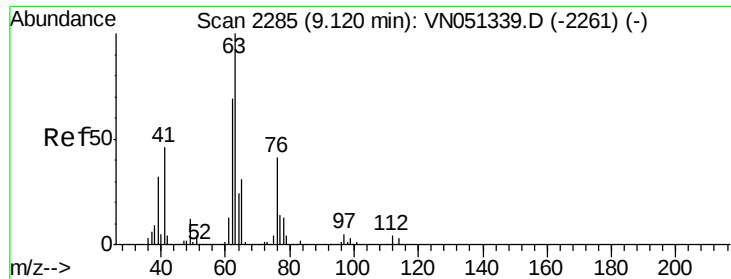
Trichloroethene  
 Concen: 103.82 ug/l  
 RT: 8.84 min Scan# 2197  
 Delta R.T. -0.00 min  
 Lab File: VN051340.D  
 Acq: 20 Sep 2018 15:06

Tgt Ion: 130 Resp: 842402  
 Ion Ratio Lower Upper  
 130 100  
 95 90.3 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V  
 Ion 94.90 (94.60 to 95.60): VN0

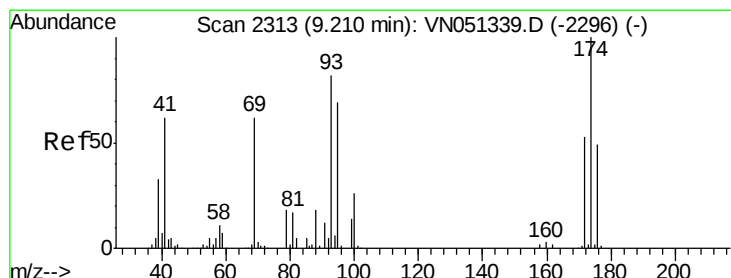
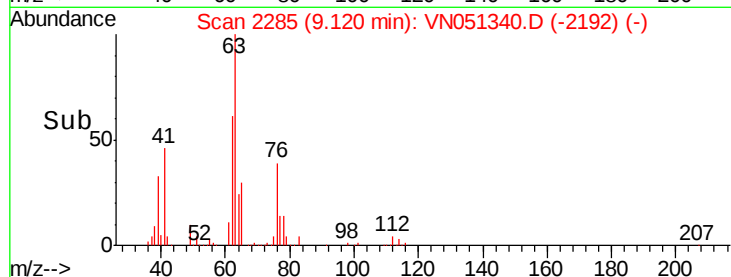
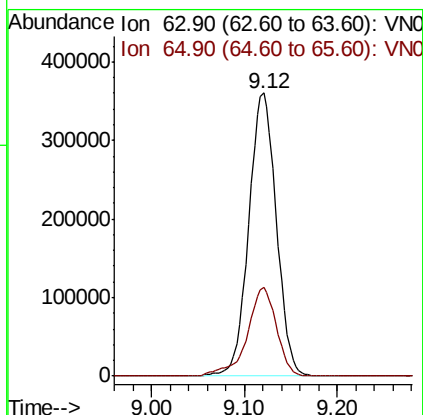
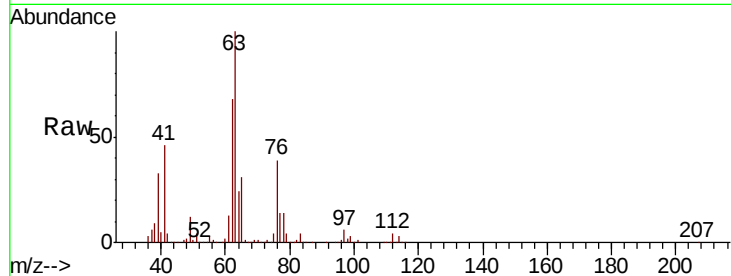




#45  
 1,2-Dichloropropane  
 Concen: 102.82 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. -0.00 min  
 Lab File: VN051340.D  
 Acq: 20 Sep 2018 15:06

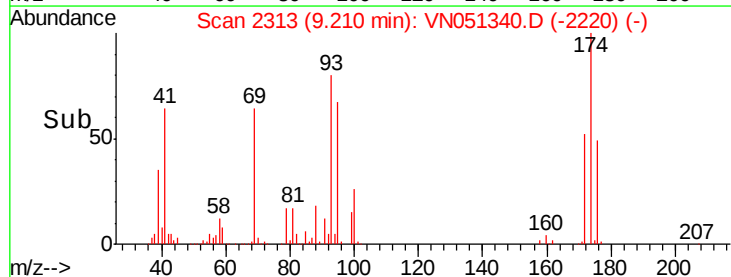
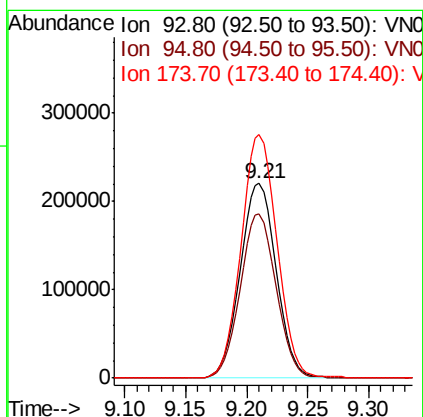
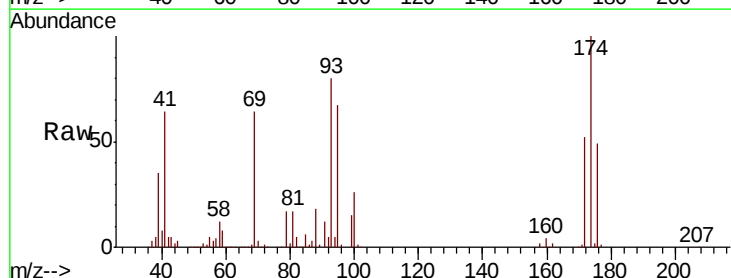
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

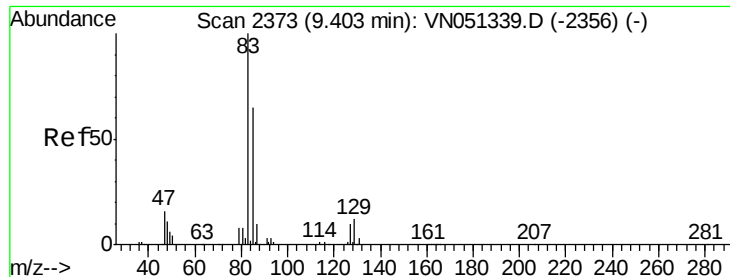
Tot Ion: 63 Resp: 743650  
 Ion Ratio Lower Upper  
 63 100  
 65 31.1 24.7 37.1



#46  
 Dibromomethane  
 Concen: 101.09 ug/l  
 RT: 9.21 min Scan# 2313  
 Delta R.T. -0.00 min  
 Lab File: VN051340.D  
 Acq: 20 Sep 2018 15:06

Tgt Ion: 93 Resp: 450728  
 Ion Ratio Lower Upper  
 93 100  
 95 83.9 67.6 101.4  
 174 124.6 98.9 148.3





#47

Bromodichloromethane

Concen: 103.58 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

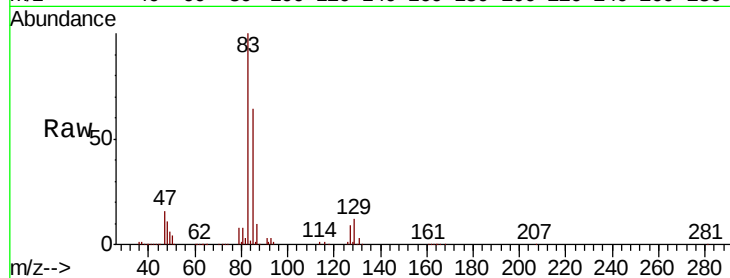
Tot Ion: 83 Resp: 985075

Ion Ratio Lower Upper

83 100

85 63.8 51.6 77.4

127 9.1 7.8 11.6

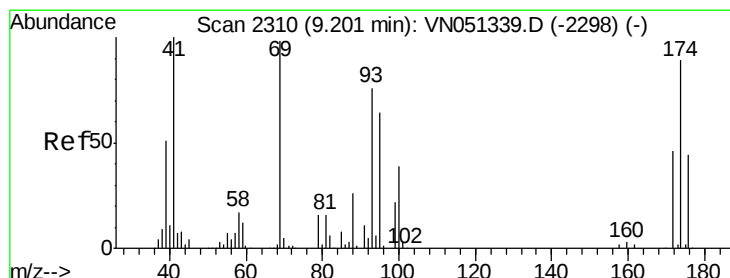
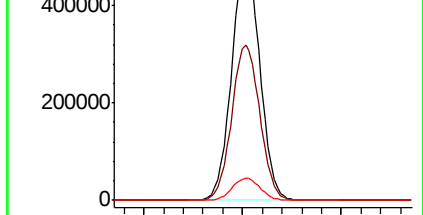
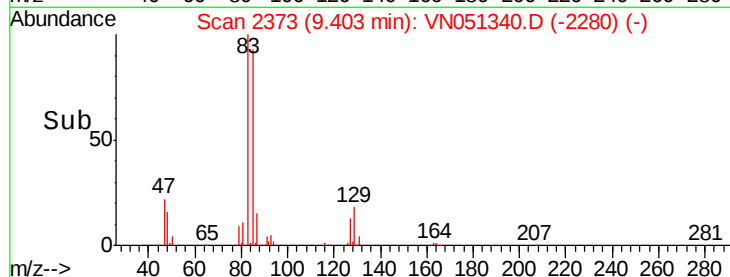


Abundance Ion 82.90 (82.60 to 83.60): VN051339.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN051339.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN051339.D (-2356) (-)

9.40



#48

Methyl methacrylate

Concen: 110.18 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

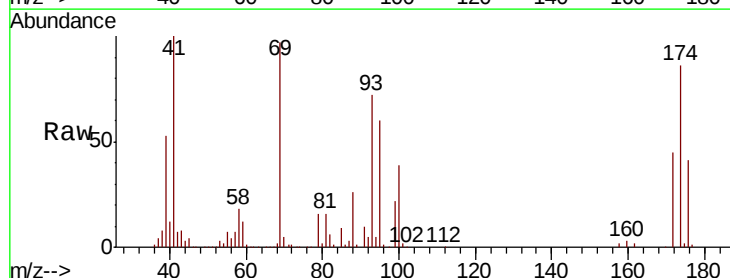
Tgt Ion: 41 Resp: 456844

Ion Ratio Lower Upper

41 100

69 101.3 79.4 119.0

39 55.2 43.0 64.6

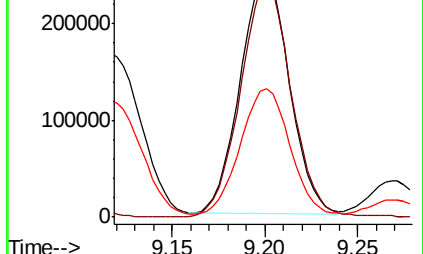
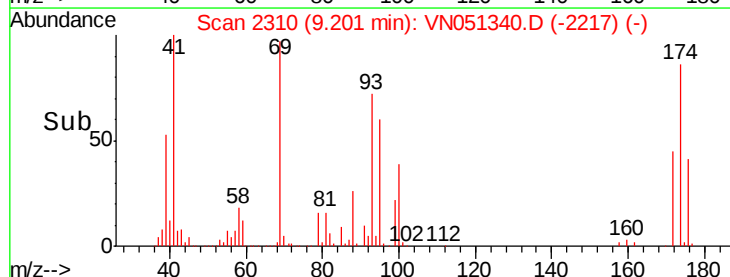


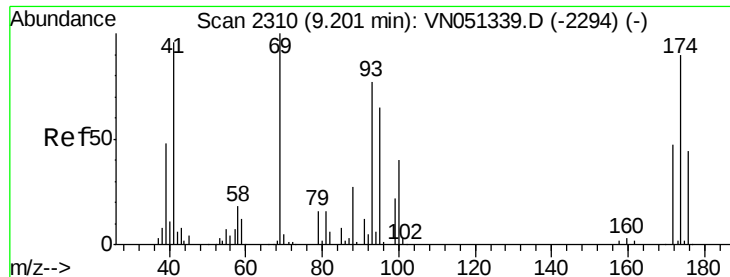
Abundance Ion 41.00 (40.70 to 41.70): VN051339.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN051339.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN051339.D (-2298) (-)

9.20





#49

1,4-Dioxane

Concen: 2178.46 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

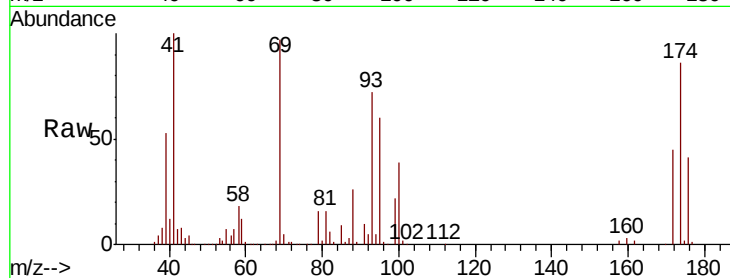
Tot Ion: 88 Resp: 133578

Ion Ratio Lower Upper

88 100

43 27.7 23.5 35.3

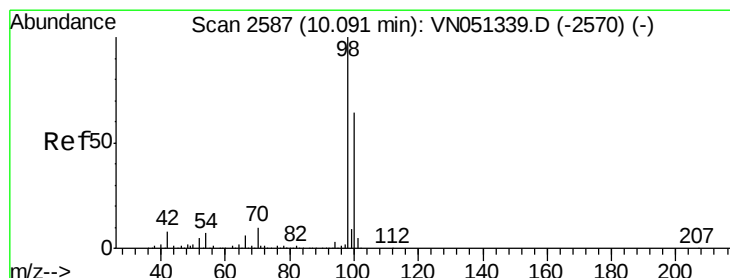
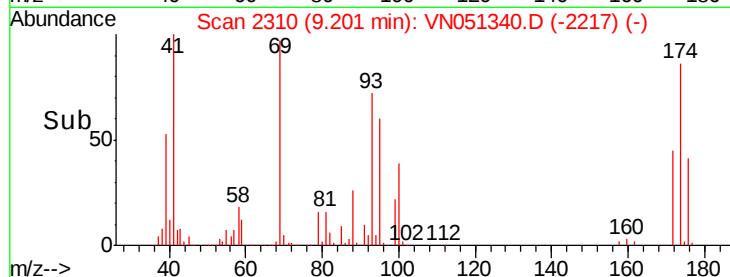
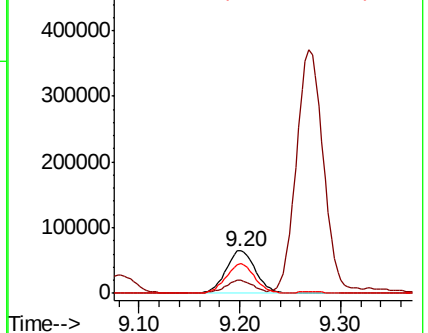
58 67.7 52.1 78.1



Abundance Ion 88.00 (87.70 to 88.70): VN051339.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN051339.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN051339.D (-2294) (-)



#50

Toluene-d8

Concen: 98.63 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051340.D

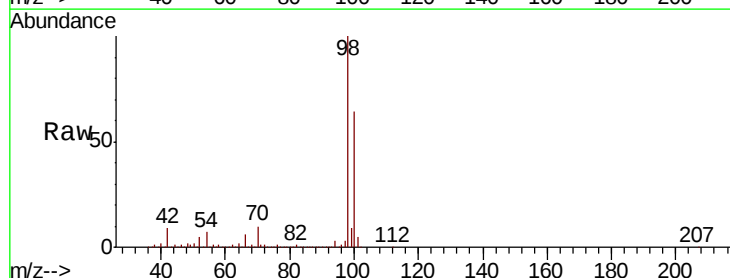
Acq: 20 Sep 2018 15:06

Tgt Ion: 98 Resp: 2809966

Ion Ratio Lower Upper

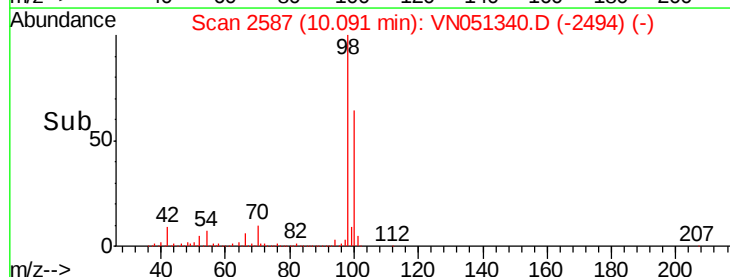
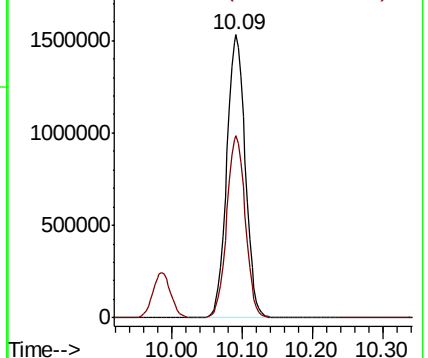
98 100

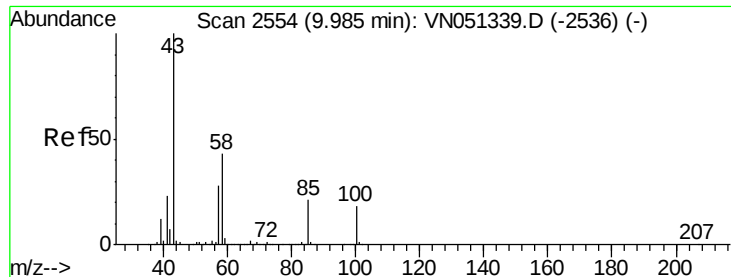
100 64.4 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN051339.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051339.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 552.35 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA\_N

ClientSampleId :

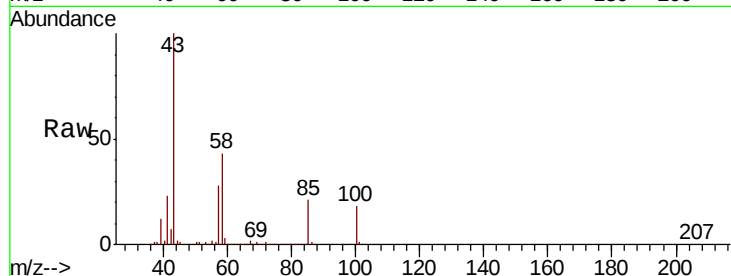
VSTDIC100

Tot Ion: 43 Resp: 2416464

Ion Ratio Lower Upper

43 100

58 43.0 34.2 51.4



Abundance Ion 43.00 (42.70 to 43.70): VN051339.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN051339.D (-2536) (-)

9.99

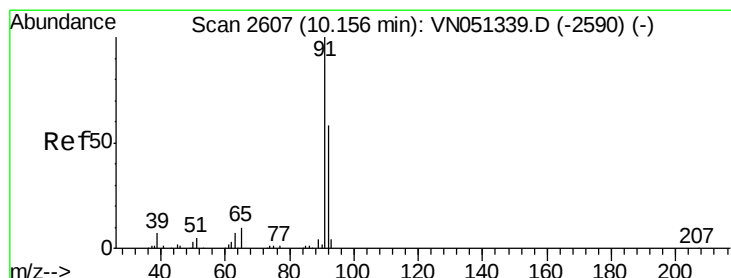
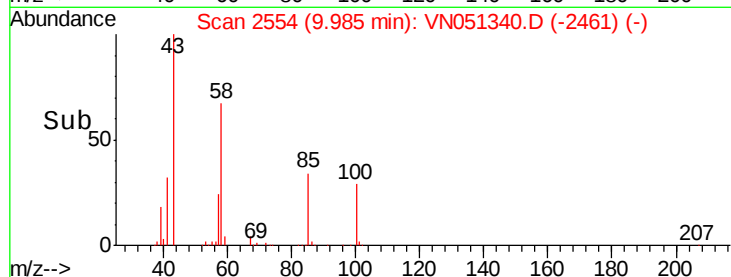
1500000

1000000

500000

0

Time-->



#52

Toluene

Concen: 110.05 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051340.D

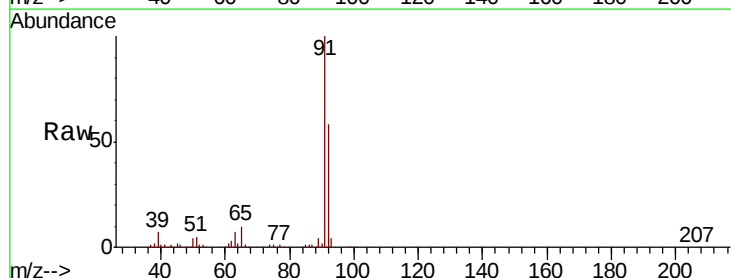
Acq: 20 Sep 2018 15:06

Tgt Ion: 92 Resp: 1915286

Ion Ratio Lower Upper

92 100

91 173.1 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN051339.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN051339.D (-2590) (-)

10.16

2000000

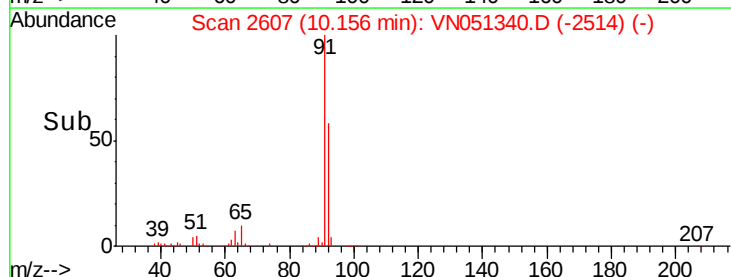
1500000

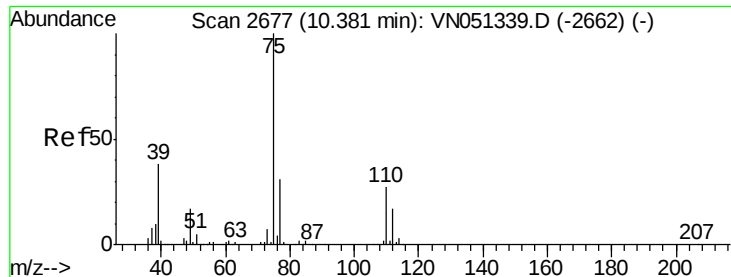
1000000

500000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 113.04 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA\_N

ClientSampleId :

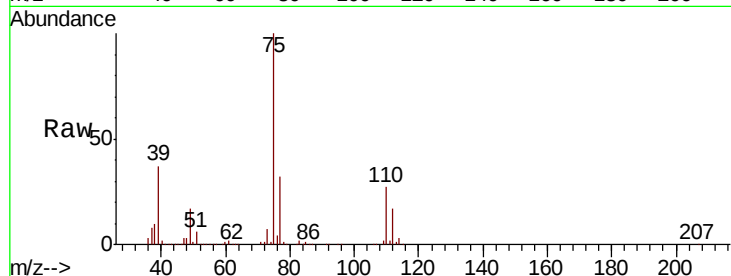
VSTDIC100

Tot Ion: 75 Resp: 1032228

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

600000

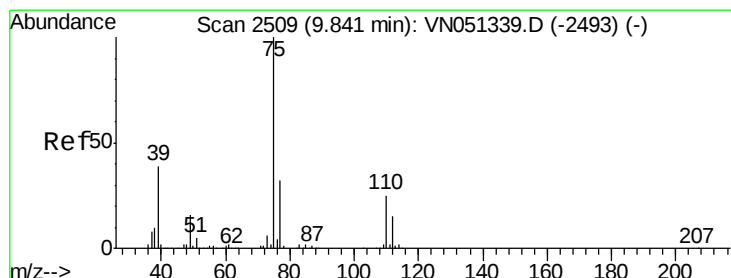
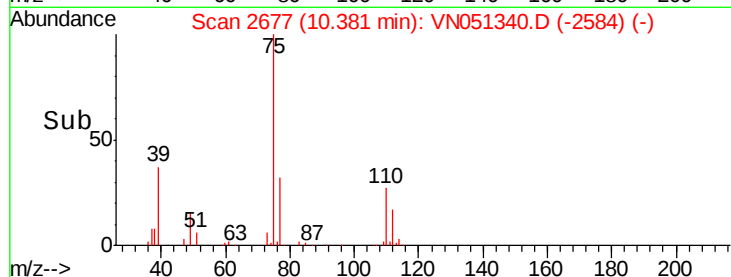
400000

200000

0

Time-->

10.30 10.40 10.50



#54

cis-1,3-Dichloropropene

Concen: 110.78 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

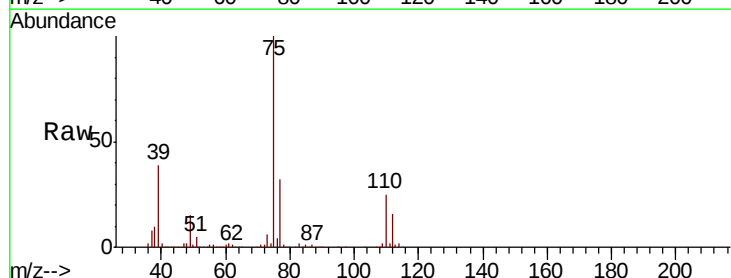
Tgt Ion: 75 Resp: 1171271

Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8

39 39.0 31.0 46.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

800000

600000

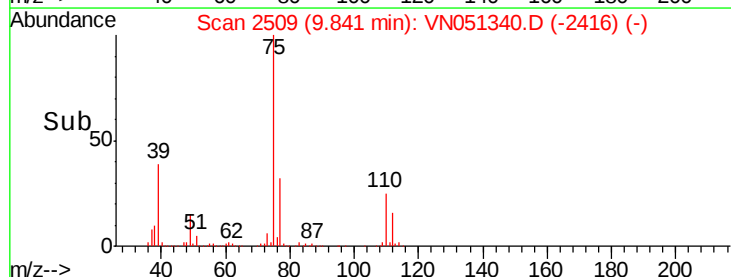
400000

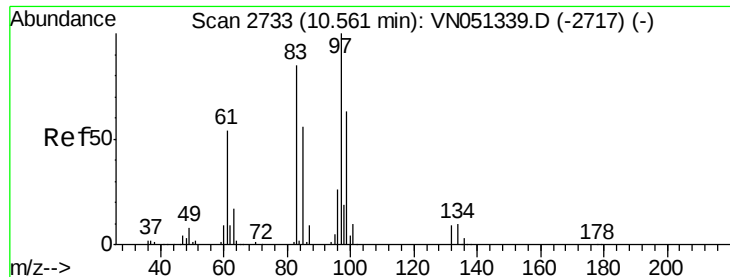
200000

0

Time-->

9.75 9.80 9.85 9.90 9.95





#55

1,1,2-Trichloroethane

Concen: 100.13 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC100

Tot Ion: 97 Resp: 653659

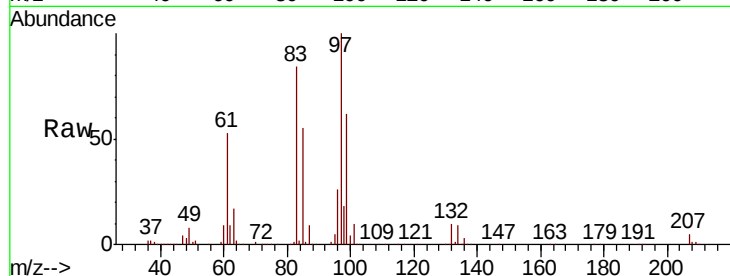
Ion Ratio Lower Upper

97 100

83 83.9 68.1 102.1

85 55.4 44.6 66.8

99 62.3 50.2 75.4

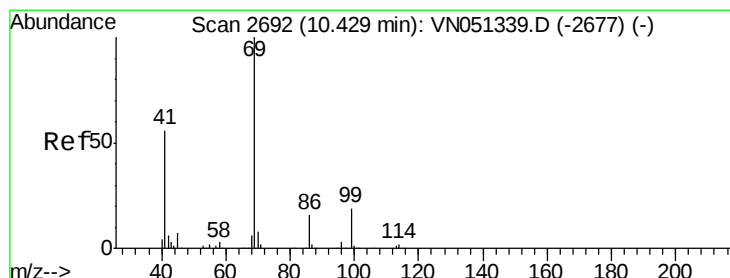
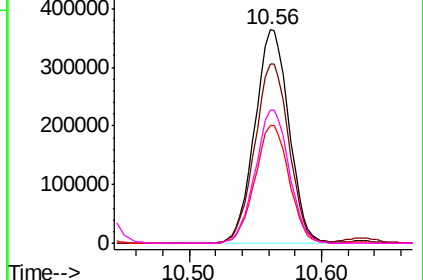
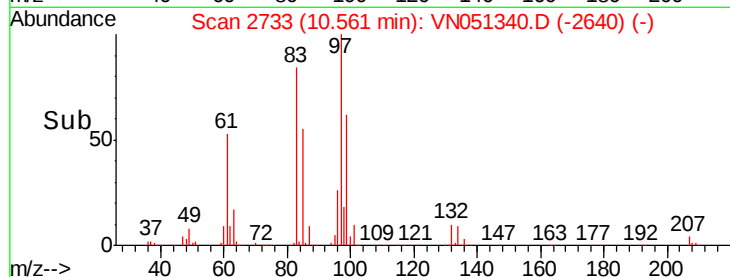


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 119.93 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

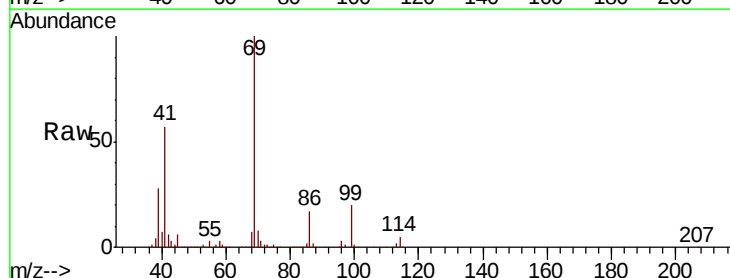
Tgt Ion: 69 Resp: 826915

Ion Ratio Lower Upper

69 100

41 57.4 45.1 67.7

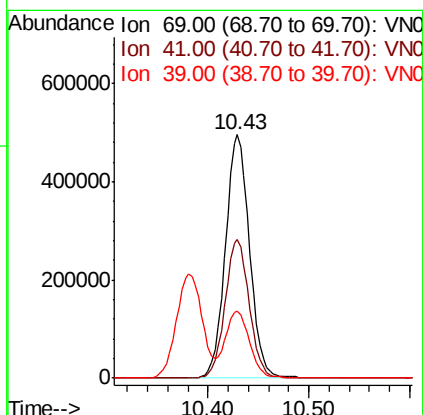
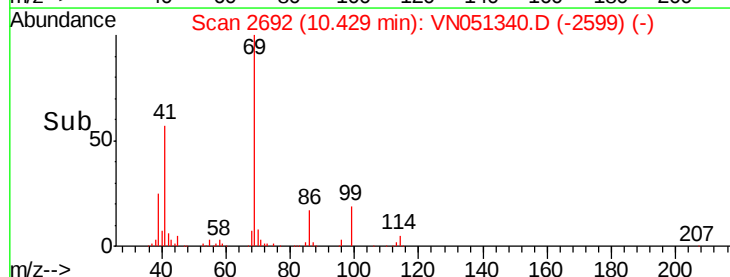
39 27.8 23.4 35.2

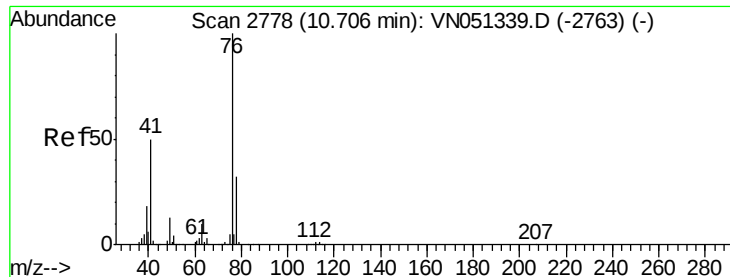


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 105.03 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA\_N

ClientSampleId :

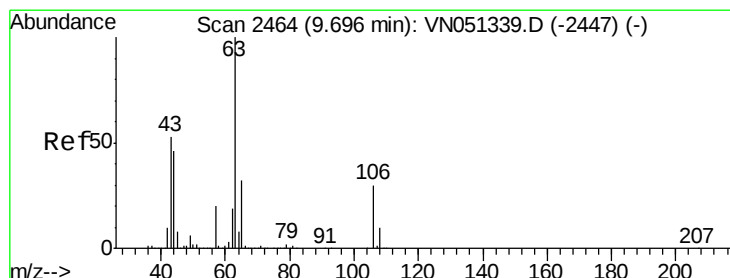
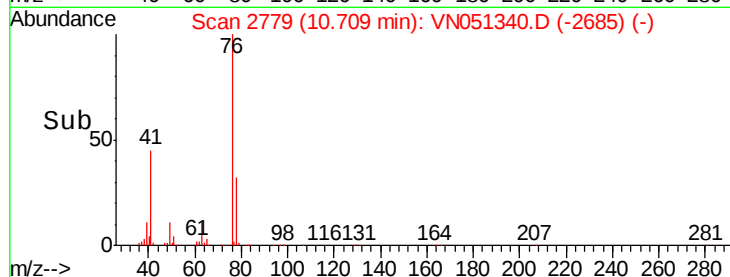
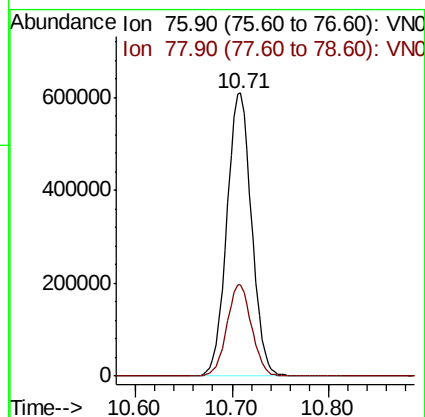
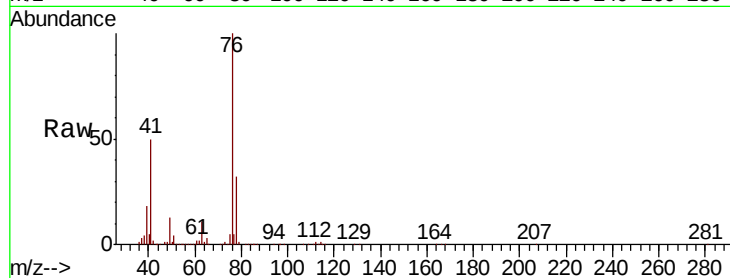
VSTDIC100

Tot Ion: 76 Resp: 1080067

Ion Ratio Lower Upper

76 100

78 32.4 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 604.24 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051340.D

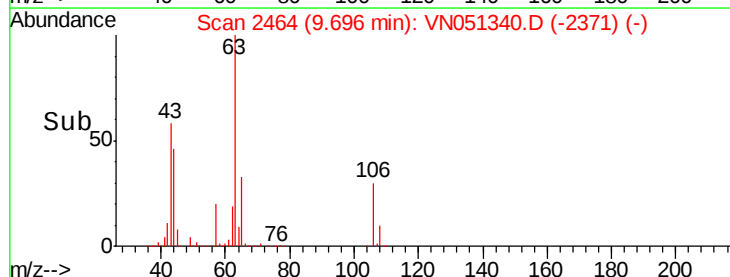
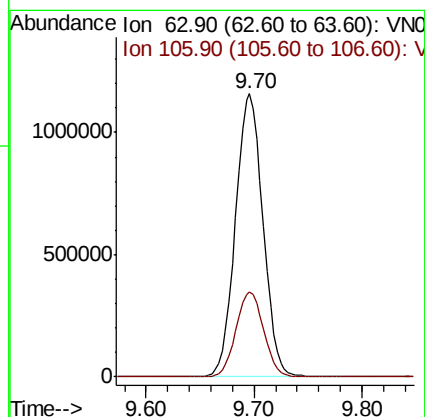
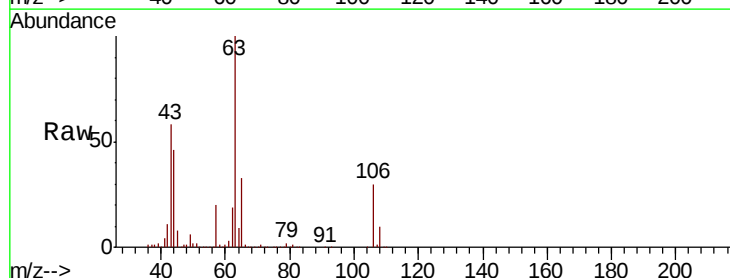
Acq: 20 Sep 2018 15:06

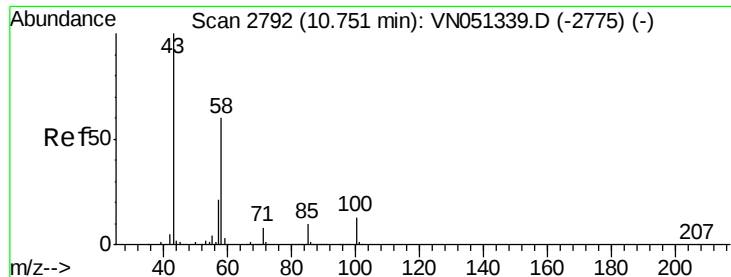
Tgt Ion: 63 Resp: 2048557

Ion Ratio Lower Upper

63 100

106 30.2 23.7 35.5

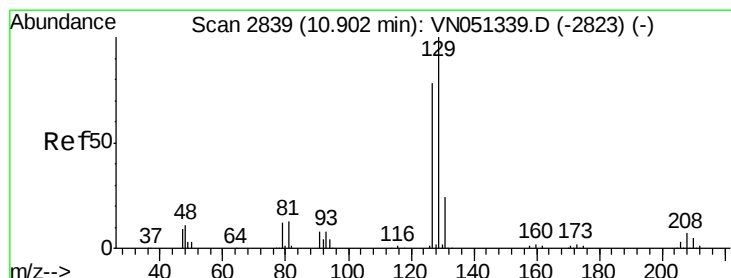
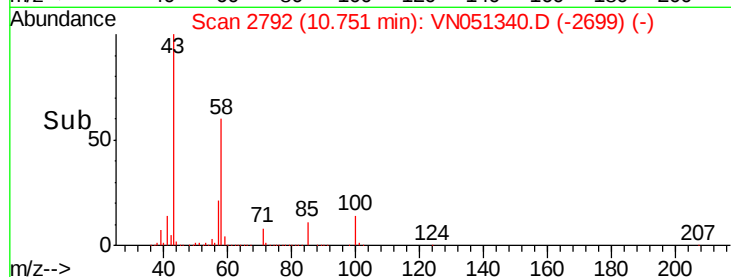
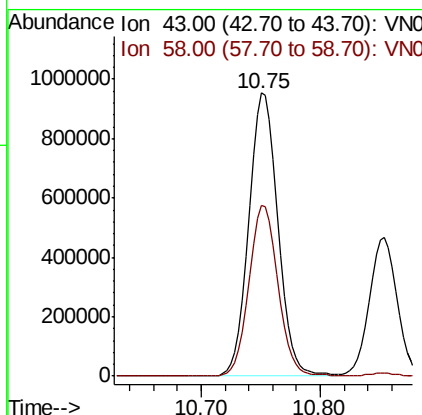
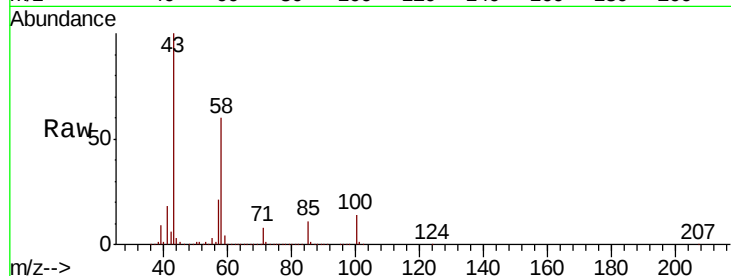




#59  
2-Hexanone  
Concen: 548.59 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

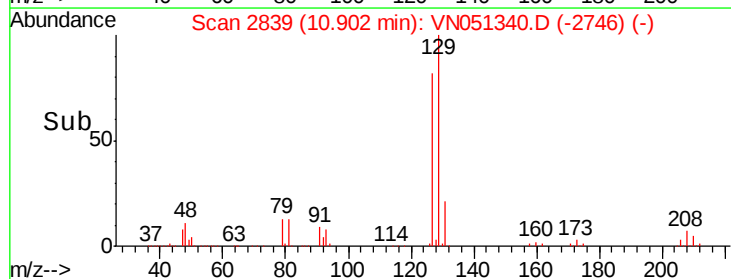
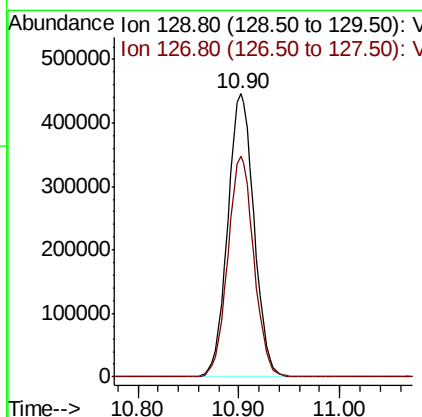
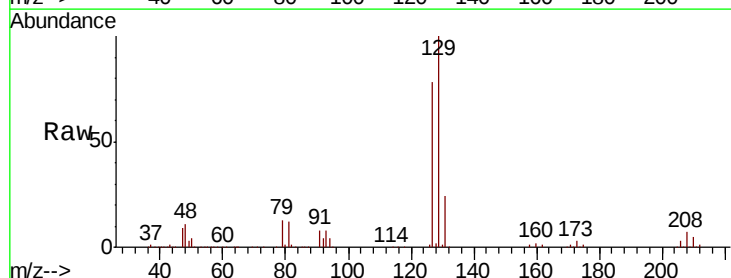
Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC100

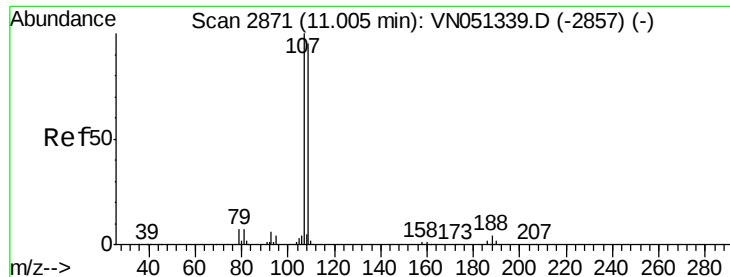
Tot Ion: 43 Resp: 1618045  
Ion Ratio Lower Upper  
43 100  
58 60.3 29.9 89.8



#60  
Dibromochloromethane  
Concen: 106.48 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. -0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

Tgt Ion: 129 Resp: 810605  
Ion Ratio Lower Upper  
129 100  
127 77.2 38.6 115.8

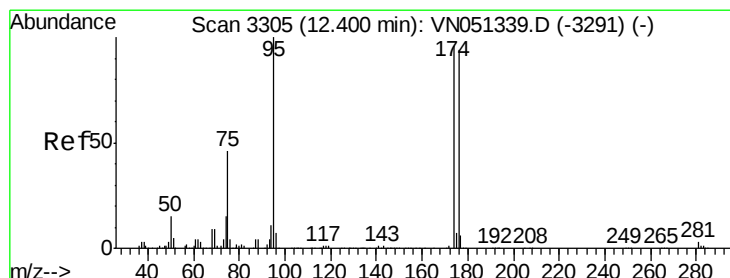
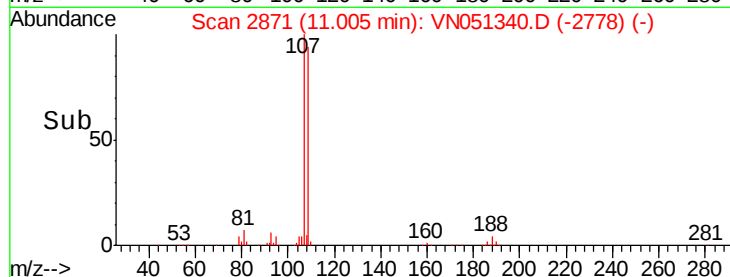
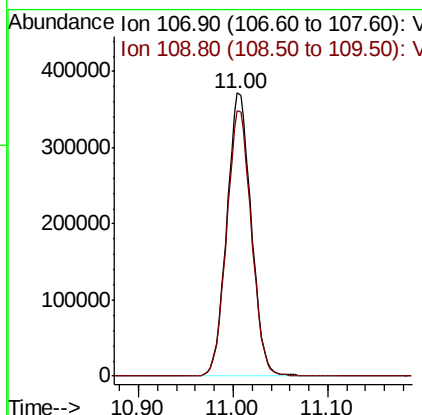
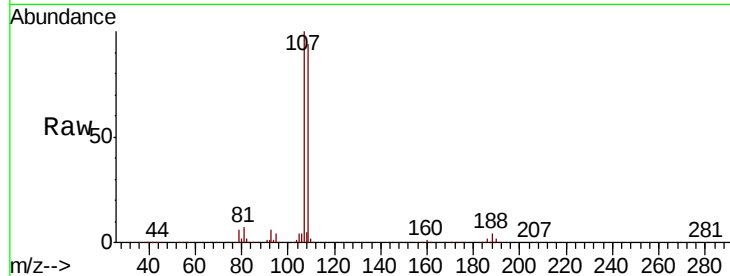




#61  
 1,2-Dibromoethane  
 Concen: 106.34 ug/l  
 RT: 11.00 min Scan# 2871  
 Delta R.T. -0.00 min  
 Lab File: VN051340.D  
 Acq: 20 Sep 2018 15:06

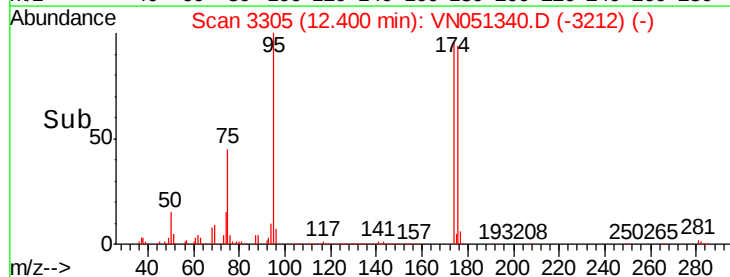
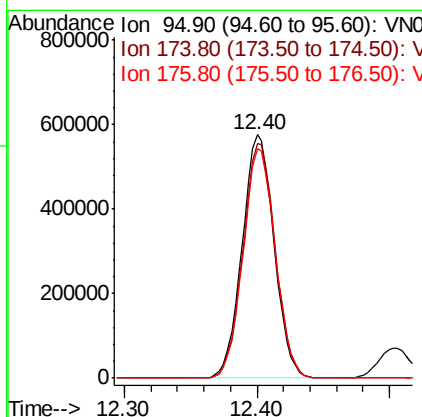
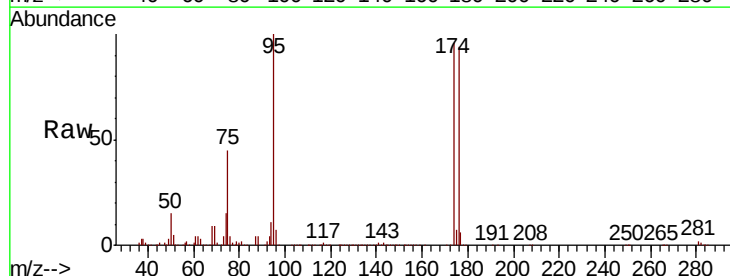
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

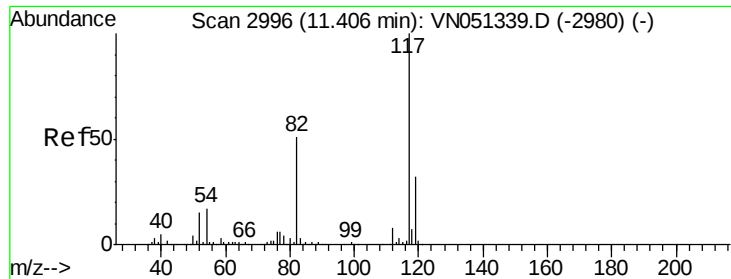
Tot Ion: 107 Resp: 667435  
 Ion Ratio Lower Upper  
 107 100  
 109 94.9 75.8 113.6



#62  
 4-Bromofluorobenzene  
 Concen: 103.56 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. -0.00 min  
 Lab File: VN051340.D  
 Acq: 20 Sep 2018 15:06

Tgt Ion: 95 Resp: 959875  
 Ion Ratio Lower Upper  
 95 100  
 174 97.8 0.0 194.6  
 176 95.2 0.0 189.6

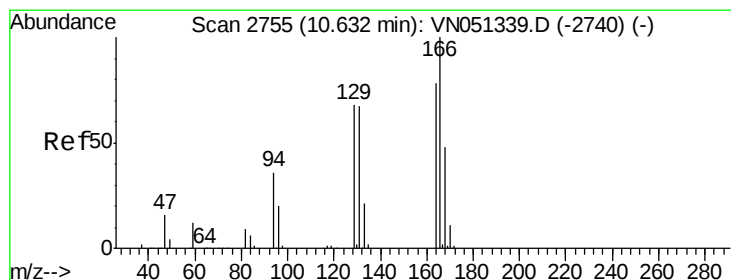
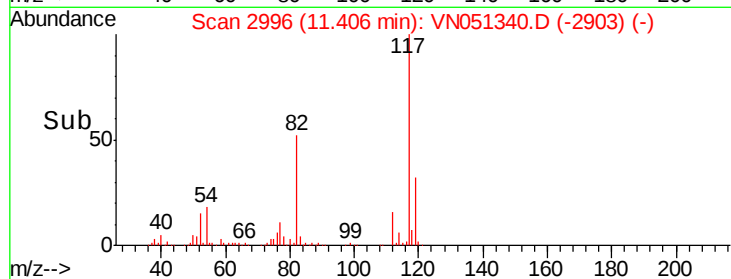
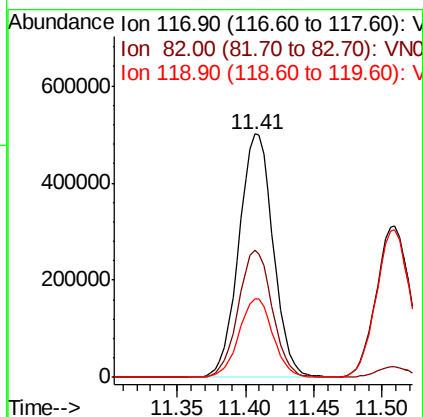
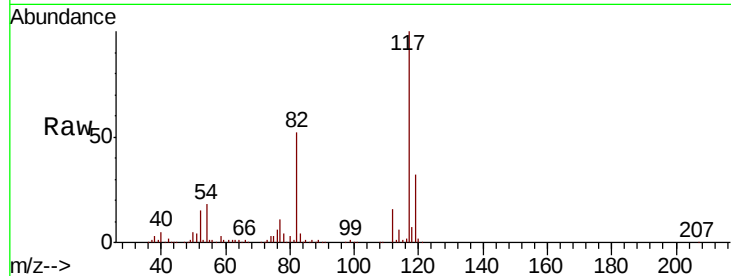




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

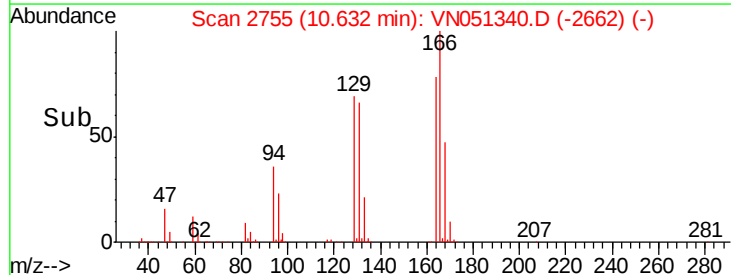
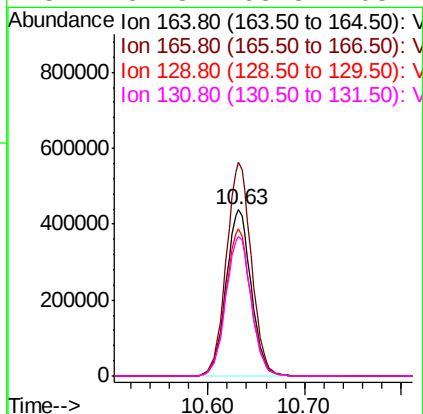
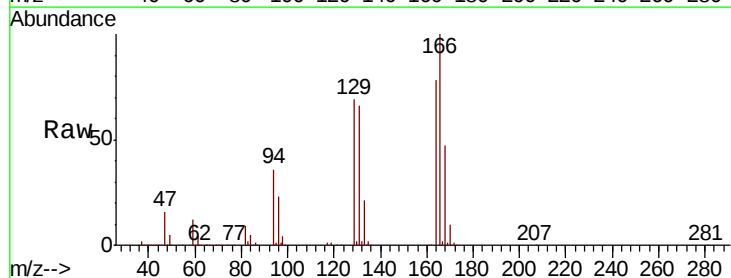
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

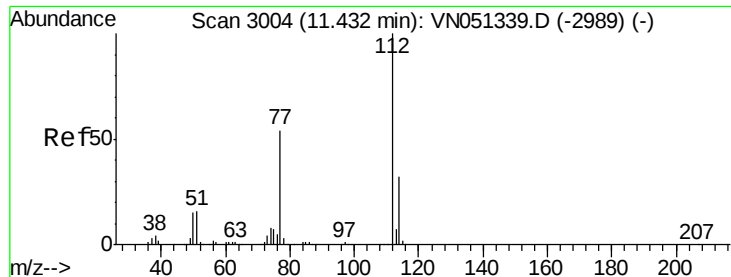
Tot Ion:117 Resp: 874905  
Ion Ratio Lower Upper  
117 100  
82 52.2 40.7 61.1  
119 32.4 25.3 37.9



#64  
Tetrachloroethene  
Concen: 102.88 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. -0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

Tgt Ion:164 Resp: 784924  
Ion Ratio Lower Upper  
164 100  
166 128.7 102.1 153.1  
129 88.4 69.4 104.2  
131 84.3 68.8 103.2

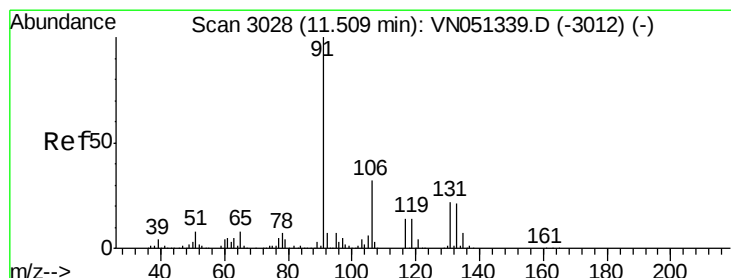
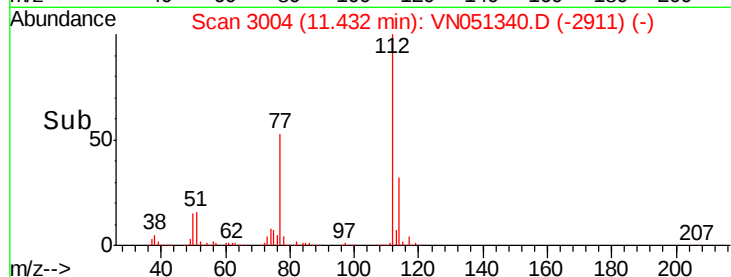
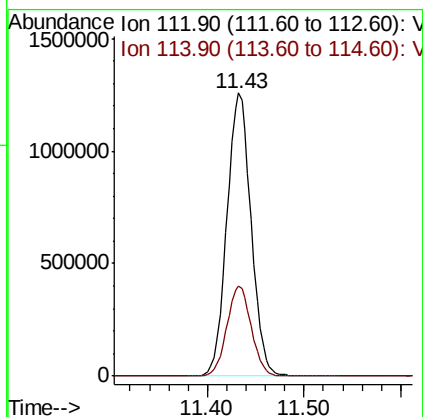
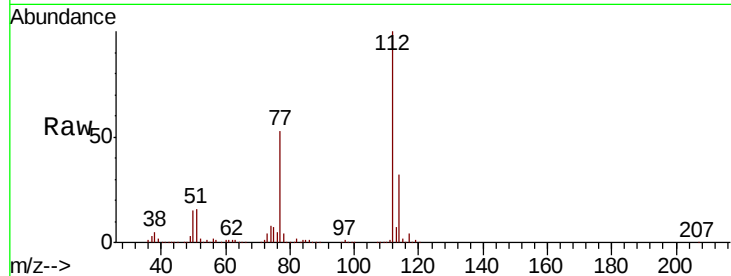




#65  
Chlorobenzene  
Concen: 104.07 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. -0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

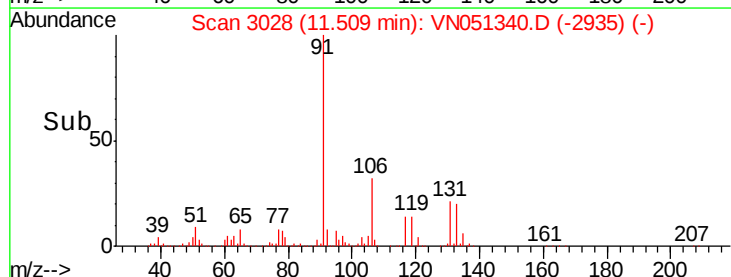
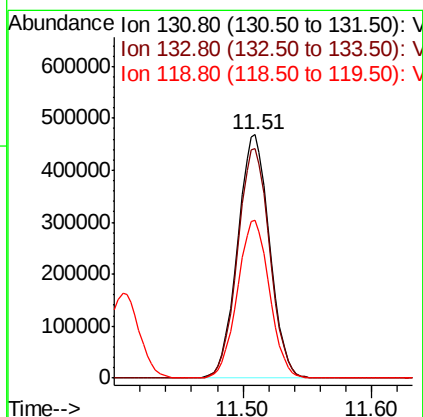
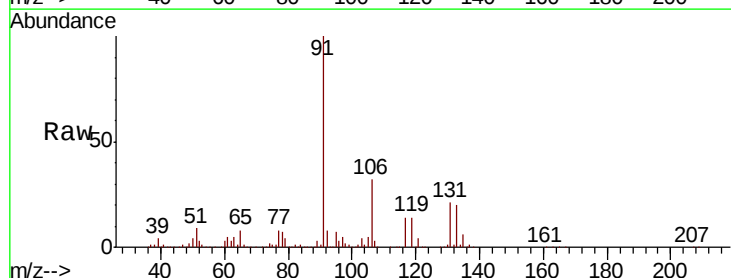
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

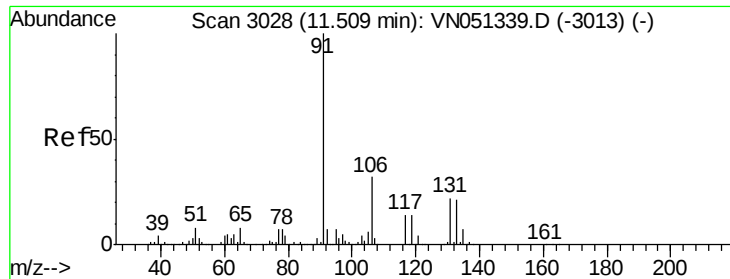
Tot Ion:112 Resp: 2175253  
Ion Ratio Lower Upper  
112 100  
114 31.7 25.5 38.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 101.46 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

Tgt Ion:131 Resp: 807380  
Ion Ratio Lower Upper  
131 100  
133 95.0 47.4 142.2  
119 65.0 32.6 97.7

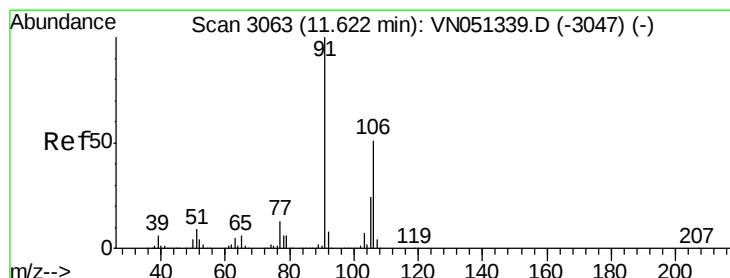
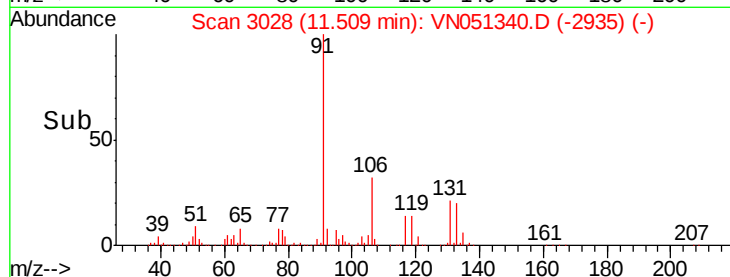
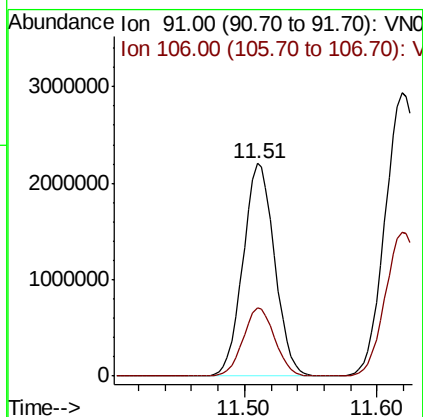
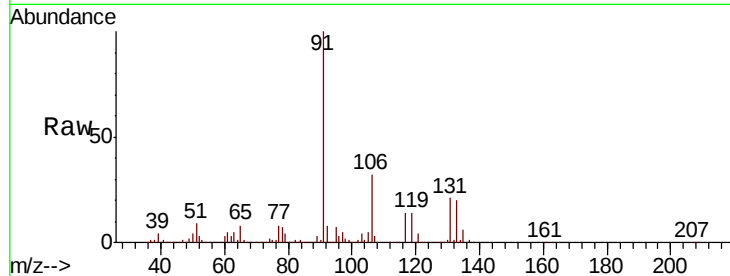




#67  
Ethyl Benzene  
Concen: 111.39 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

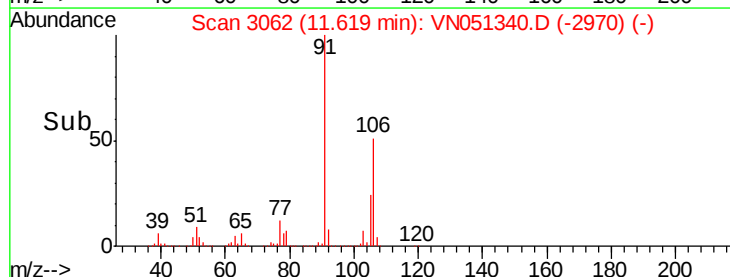
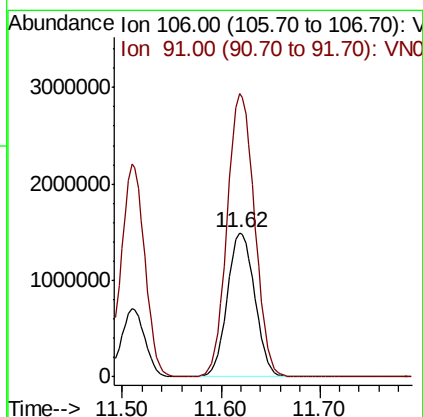
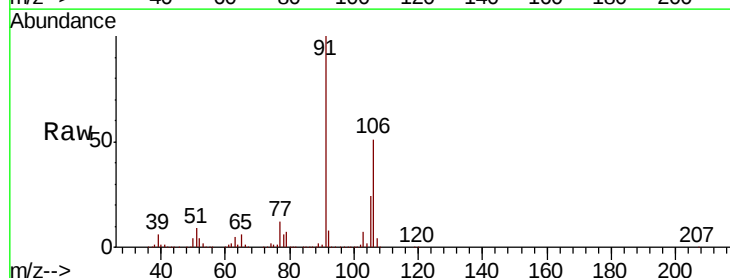
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

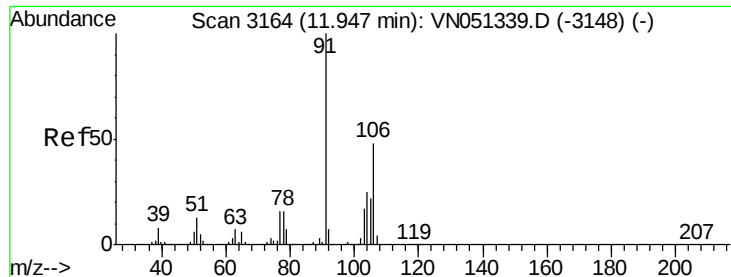
Tot Ion: 91 Resp: 3642514  
Ion Ratio Lower Upper  
91 100  
106 32.2 25.8 38.8



#68  
m/p-Xylenes  
Concen: 225.36 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. -0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

Tgt Ion: 106 Resp: 2895077  
Ion Ratio Lower Upper  
106 100  
91 196.2 156.5 234.7

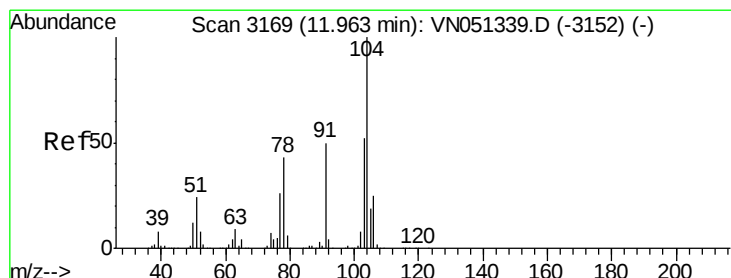
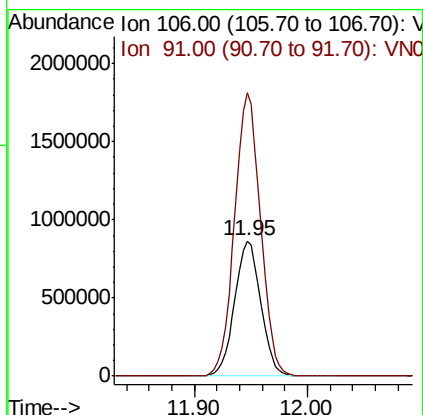
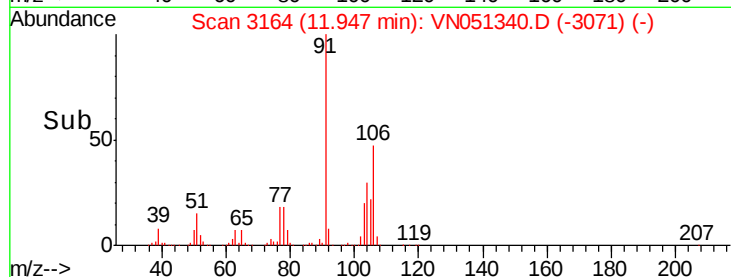
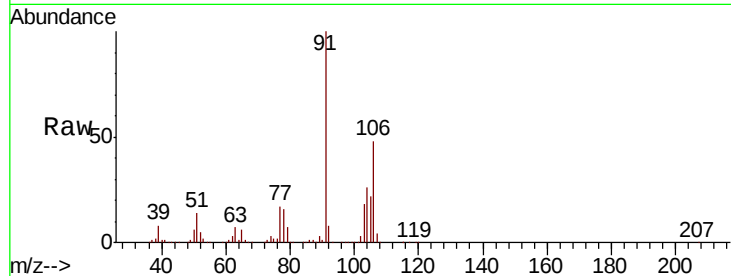




#69  
o-Xylene  
Concen: 112.38 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

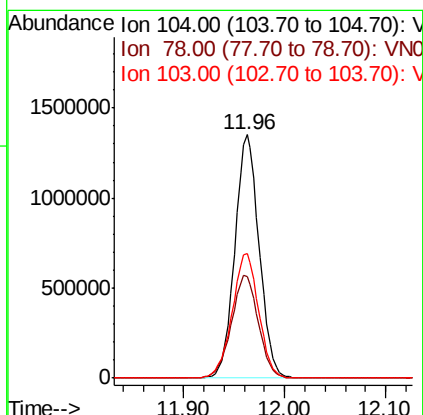
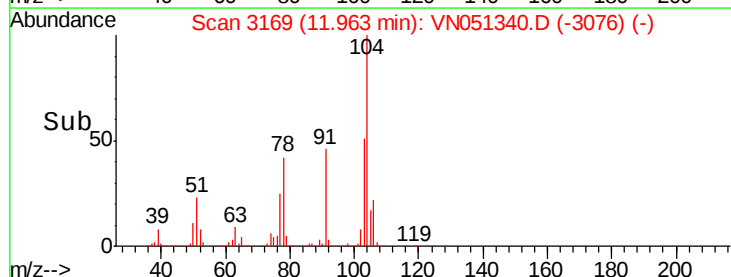
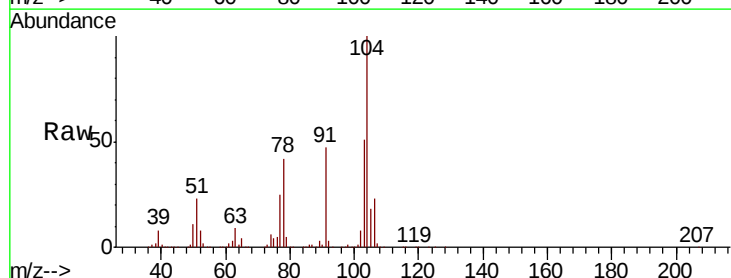
Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC100

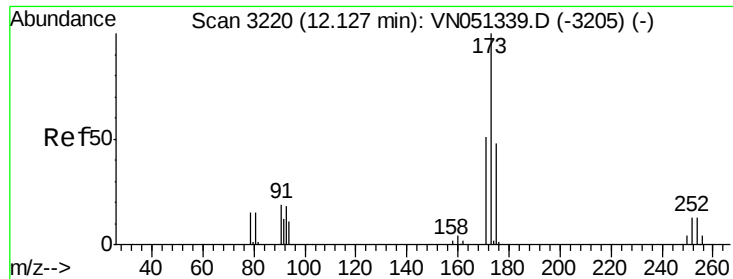
Tot Ion:106 Resp: 1391793  
Ion Ratio Lower Upper  
106 100  
91 208.4 104.6 313.7



#70  
Styrene  
Concen: 117.33 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

Tgt Ion:104 Resp: 2255325  
Ion Ratio Lower Upper  
104 100  
78 47.0 37.8 56.6  
103 55.8 44.3 66.5

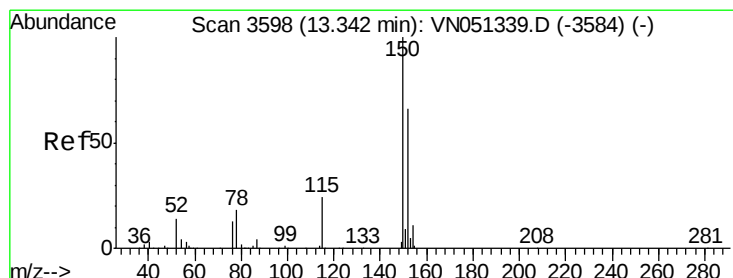
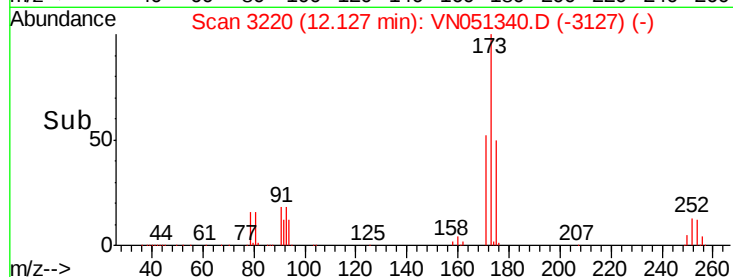
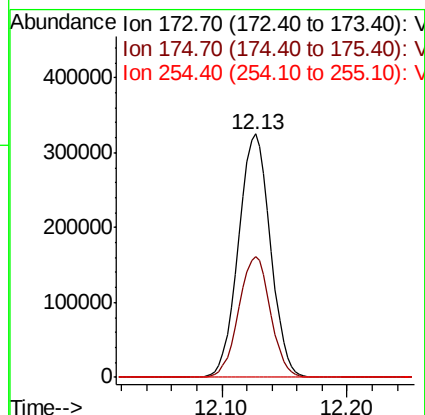
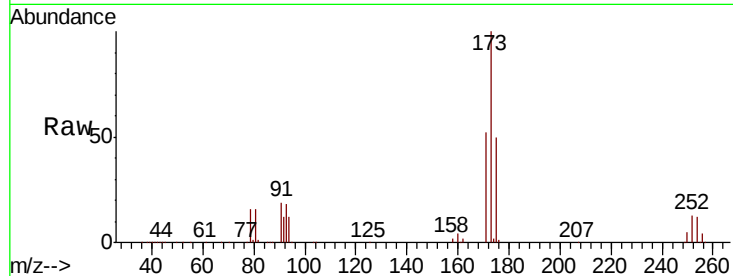




#71  
Bromoform  
Concen: 106.49 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. -0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

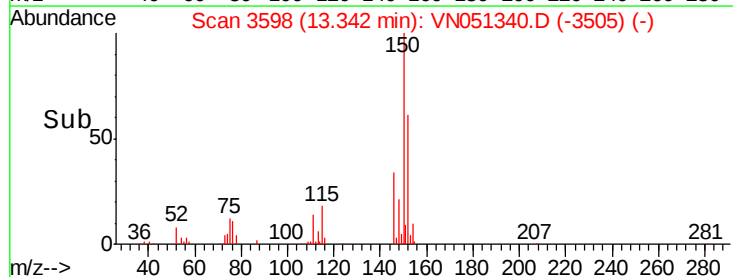
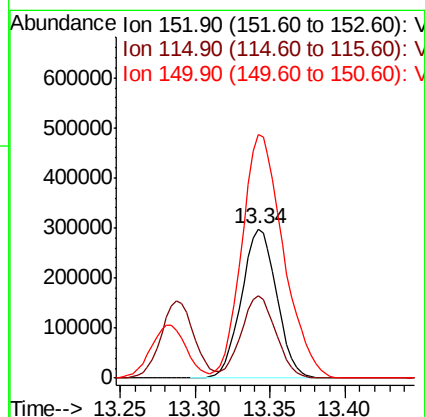
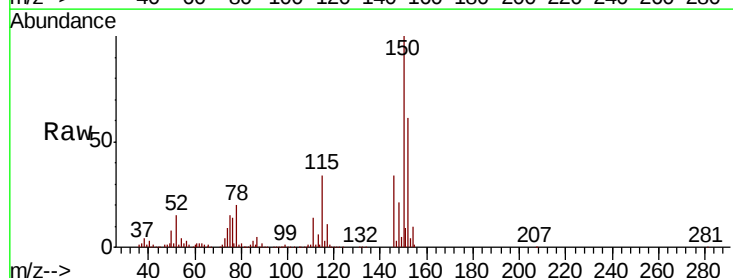
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

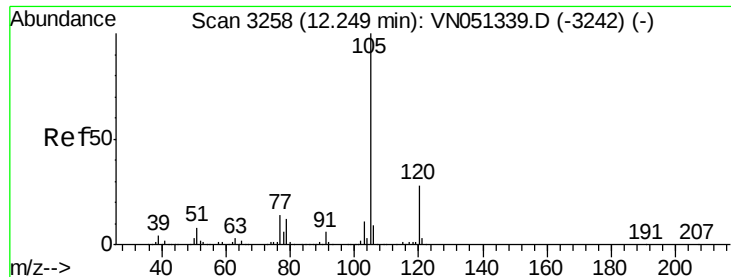
Tot Ion:173 Resp: 575101  
Ion Ratio Lower Upper  
173 100  
175 49.3 24.3 73.0  
254 0.2 0.1 0.1#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

Tgt Ion:152 Resp: 487430  
Ion Ratio Lower Upper  
152 100  
115 54.5 26.9 80.7  
150 192.6 0.0 345.0





#73

Isopropylbenzene

Concen: 104.29 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA\_N

ClientSampled :

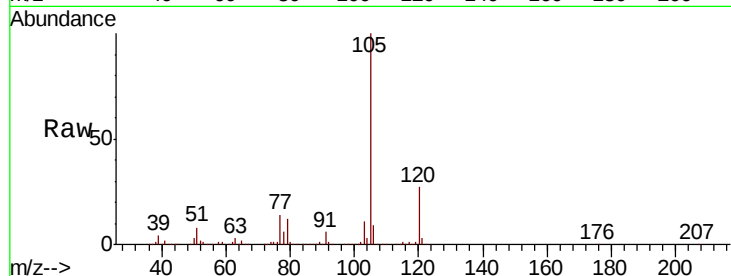
VSTDIC100

Tot Ion:105 Resp: 3725455

Ion Ratio Lower Upper

105 100

120 27.3 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2500000

2000000

1500000

1000000

500000

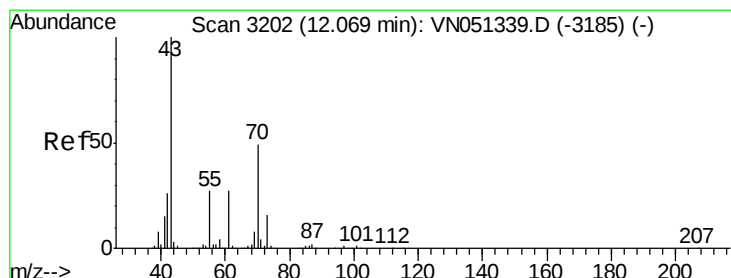
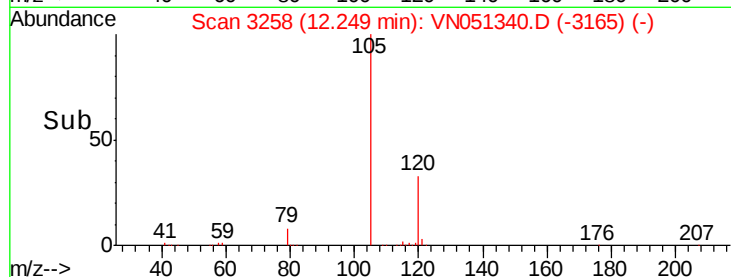
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 103.44 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Tgt Ion: 43 Resp: 790526

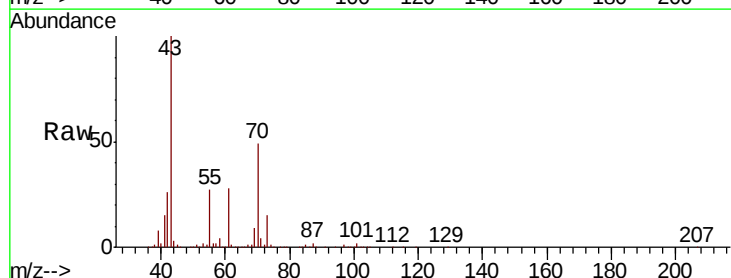
Ion Ratio Lower Upper

43 100

70 49.2 39.5 59.3

55 27.7 22.6 34.0

61 27.2 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

800000

600000

400000

200000

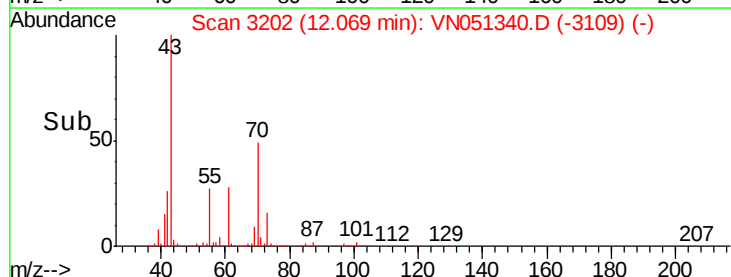
0

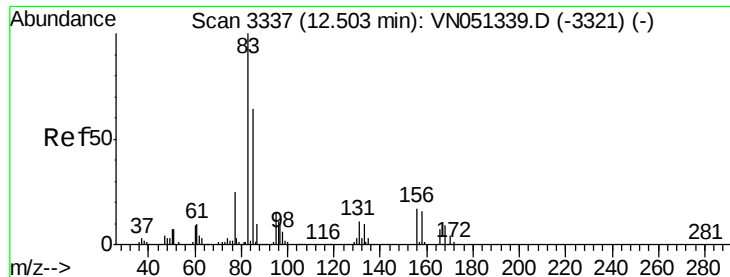
12.00

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 88.21 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

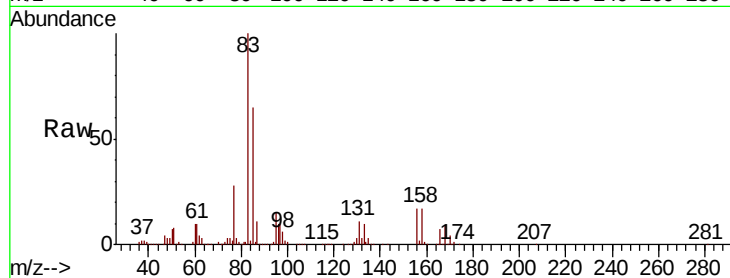
Tot Ion: 83 Resp: 777662

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 131 | 11.7  | 5.5   | 16.7  |
| 85  | 64.7  | 32.3  | 96.9  |

83 100

131 11.7 5.5 16.7

85 64.7 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN051339.D (-3321) (-)

Ion 130.80 (130.50 to 131.50): VN051339.D (-3321) (-)

Ion 84.90 (84.60 to 85.60): VN051339.D (-3321) (-)

12.50

600000

500000

400000

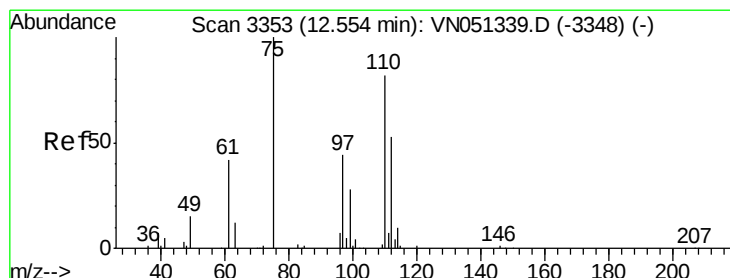
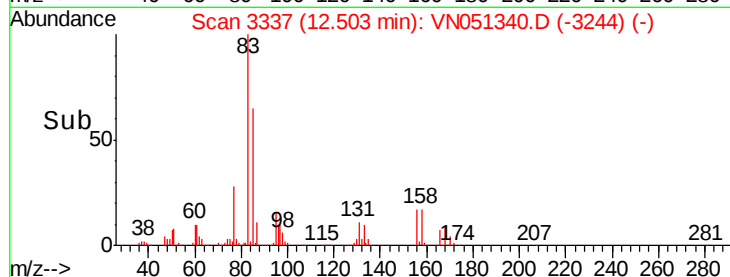
300000

200000

100000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 138.03 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051340.D

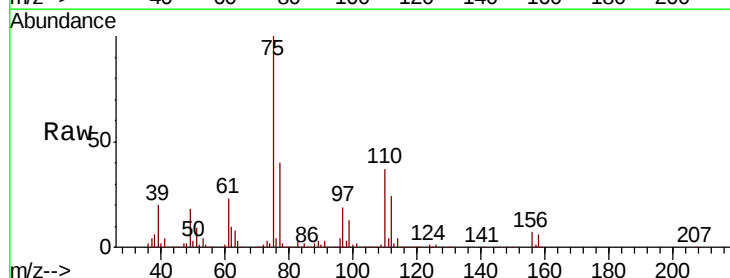
Acq: 20 Sep 2018 15:06

Tgt Ion: 75 Resp: 971544

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 0.0   | 0.0   | 0.0   |

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051339.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN051339.D (-3348) (-)

800000

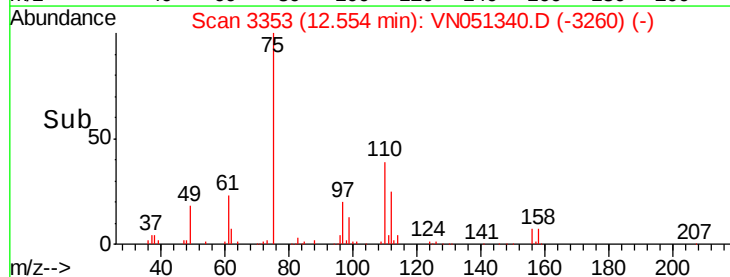
600000

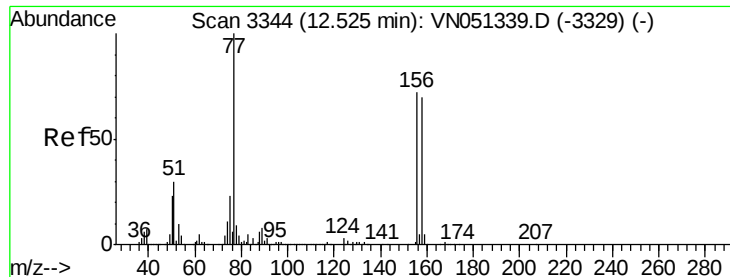
400000

200000

0

Time-->





#77

Bromobenzene

Concen: 99.15 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

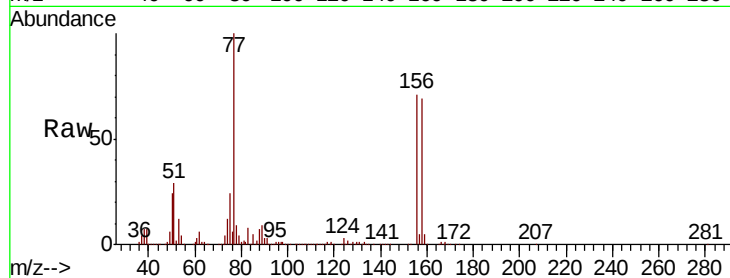
Tot Ion:156 Resp: 978625

Ion Ratio Lower Upper

156 100

77 161.1 80.8 242.4

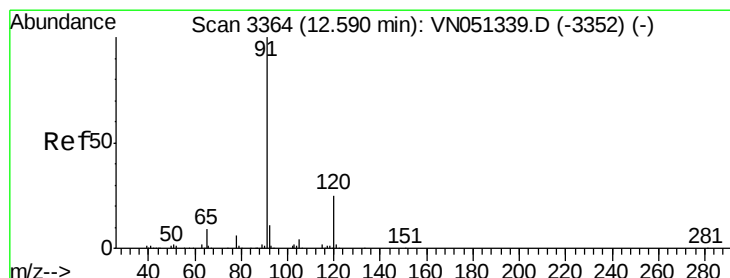
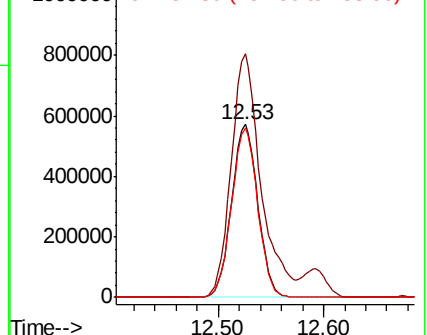
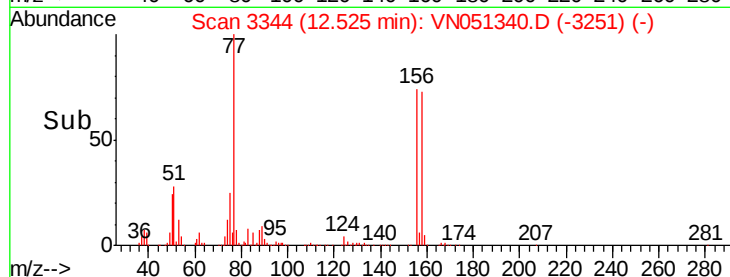
158 97.4 48.8 146.3



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: 106.56 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051340.D

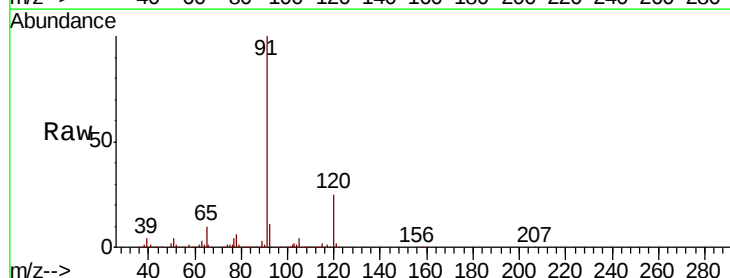
Acq: 20 Sep 2018 15:06

Tgt Ion: 91 Resp: 4150156

Ion Ratio Lower Upper

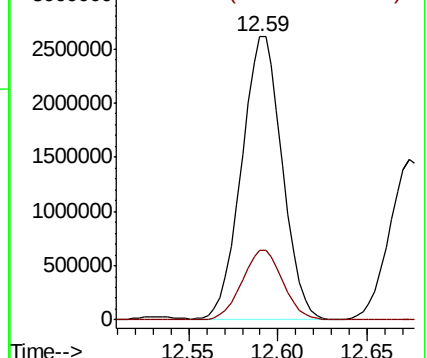
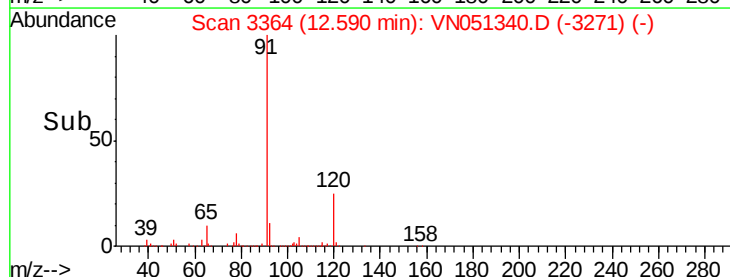
91 100

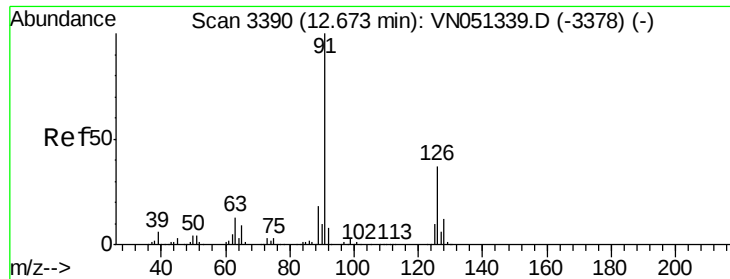
120 24.8 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

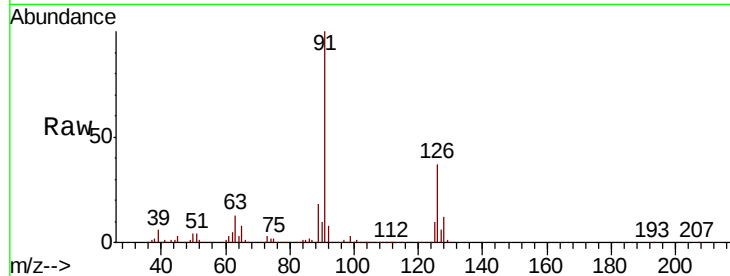




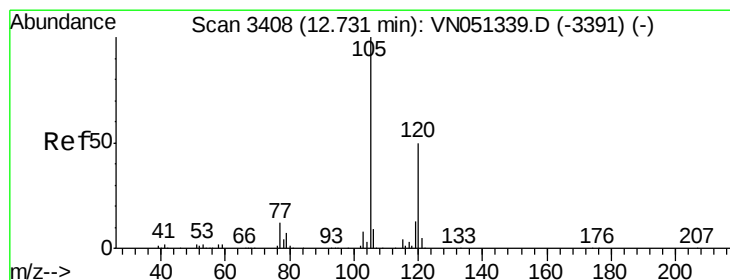
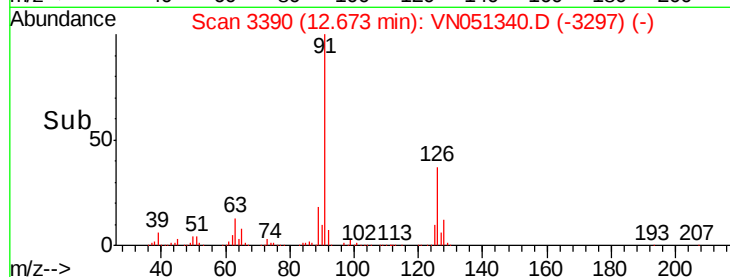
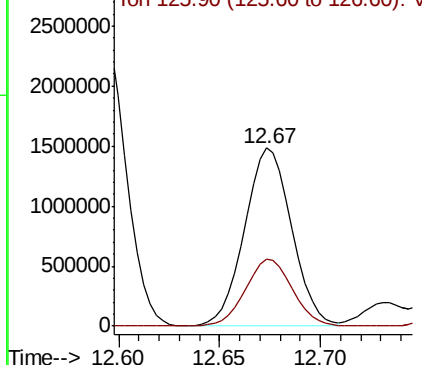
#79  
 2-Chlorotoluene  
 Concen: 100.91 ug/l  
 RT: 12.67 min Scan# 3390  
 Delta R.T. -0.00 min  
 Lab File: VN051340.D  
 Acq: 20 Sep 2018 15:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

Tot Ion: 91 Resp: 2421972  
 Ion Ratio Lower Upper  
 91 100  
 126 37.4 18.6 55.8

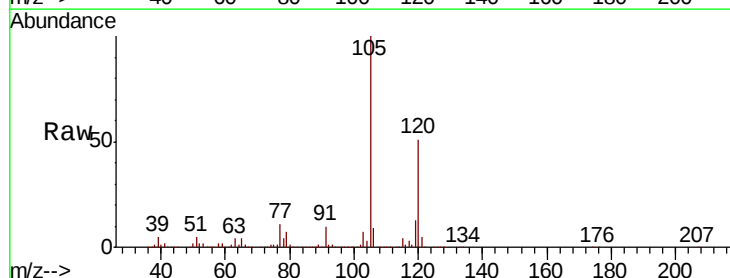


Abundance Ion 91.00 (90.70 to 91.70): VN051339.D (-3378) (-)  
 Ion 125.90 (125.60 to 126.60): VN051339.D (-3378) (-)

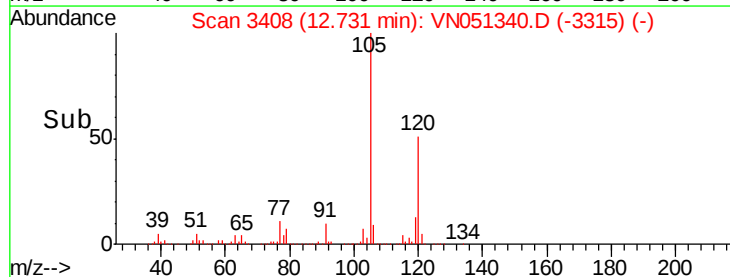
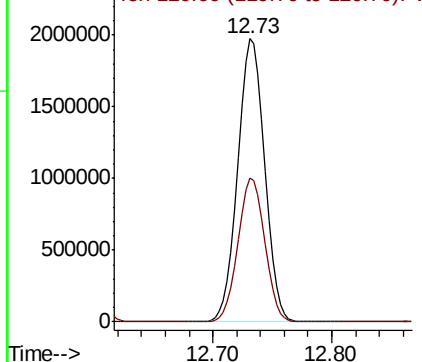


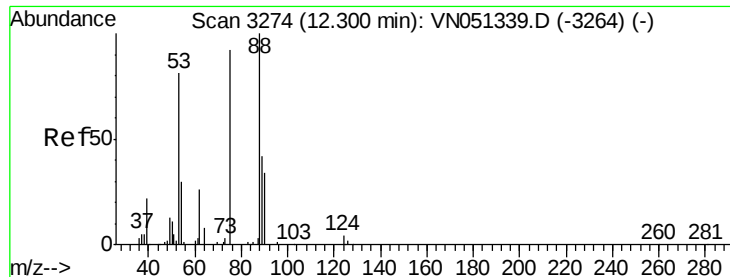
#80  
 1,3,5-Trimethylbenzene  
 Concen: 106.86 ug/l  
 RT: 12.73 min Scan# 3408  
 Delta R.T. -0.00 min  
 Lab File: VN051340.D  
 Acq: 20 Sep 2018 15:06

Tgt Ion:105 Resp: 3094740  
 Ion Ratio Lower Upper  
 105 100  
 120 50.5 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VN051339.D (-3391) (-)  
 Ion 120.00 (119.70 to 120.70): VN051339.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 115.01 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

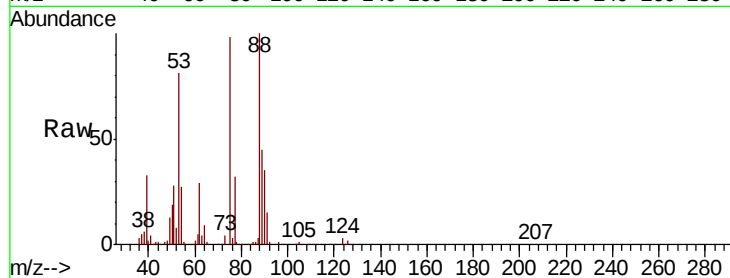
Tot Ion: 75 Resp: 233828

Ion Ratio Lower Upper

75 100

53 83.0 69.9 104.9

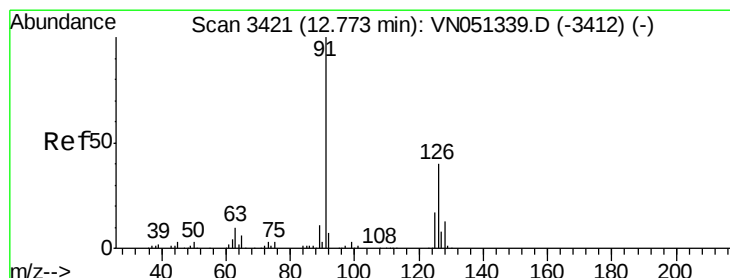
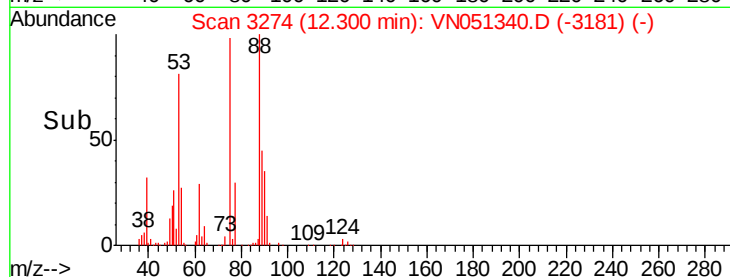
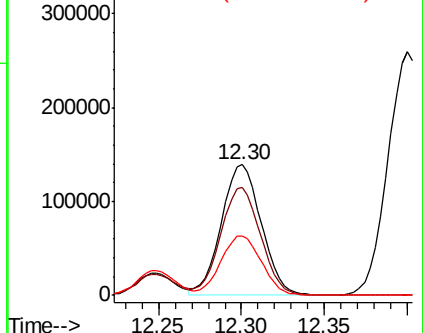
89 46.2 37.9 56.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 105.22 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051340.D

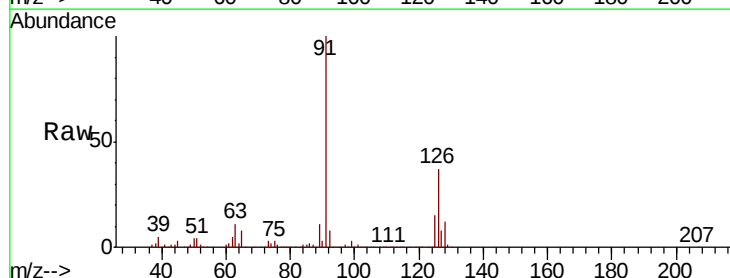
Acq: 20 Sep 2018 15:06

Tgt Ion: 91 Resp: 2454561

Ion Ratio Lower Upper

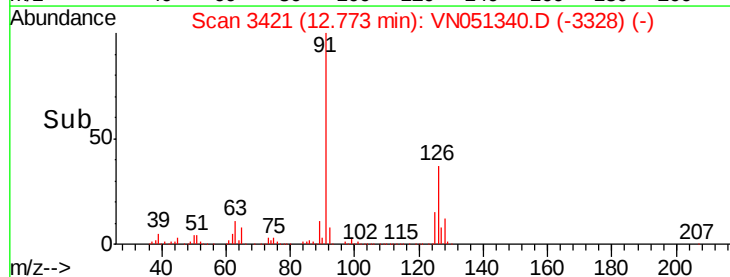
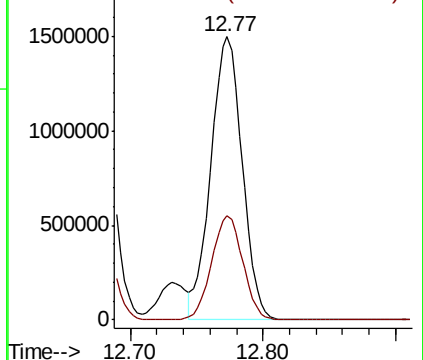
91 100

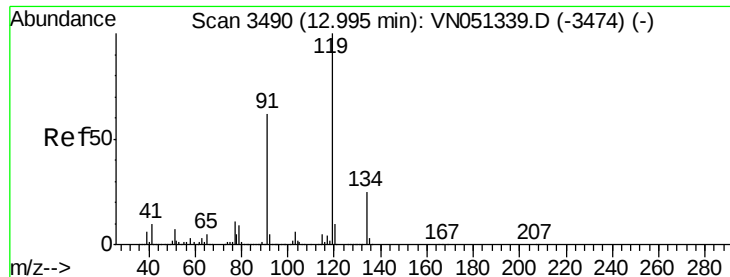
126 36.5 18.3 54.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 105.94 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

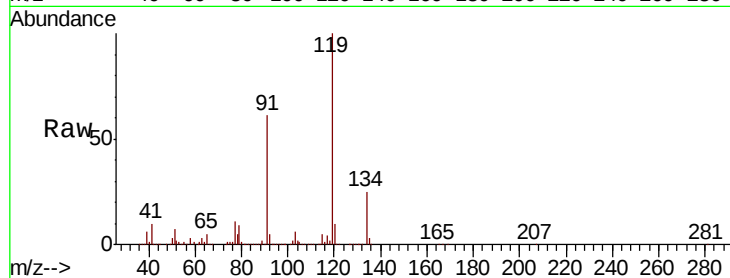
Tot Ion:119 Resp: 2746019

Ion Ratio Lower Upper

119 100

91 60.2 30.6 91.8

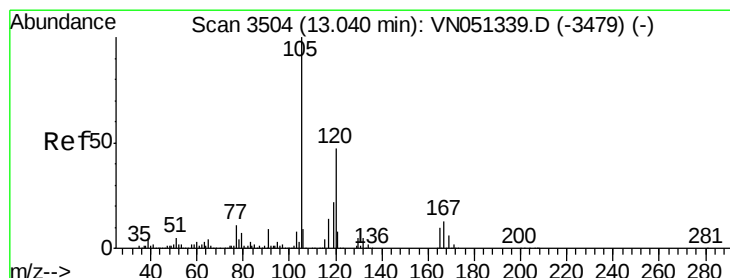
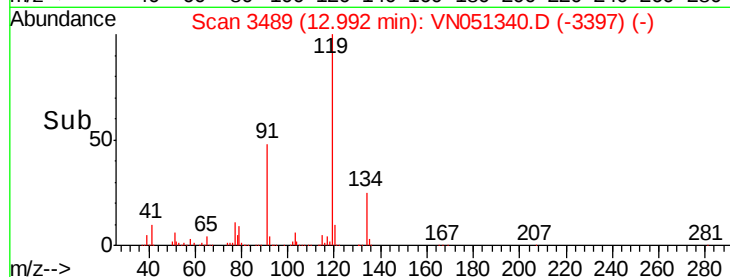
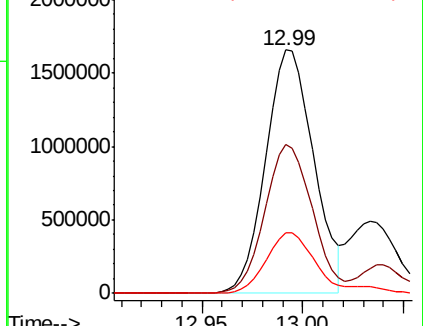
134 26.7 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 108.94 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN051340.D

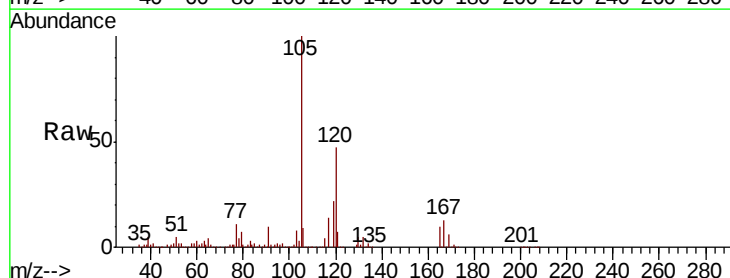
Acq: 20 Sep 2018 15:06

Tgt Ion:105 Resp: 3131361

Ion Ratio Lower Upper

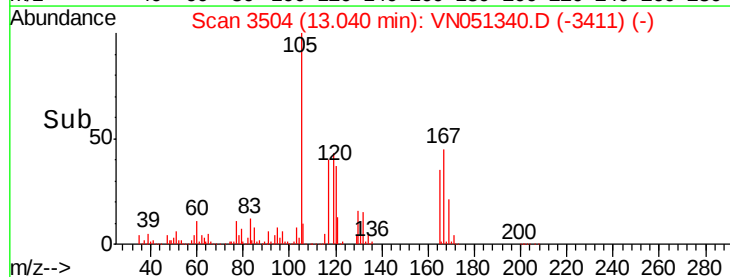
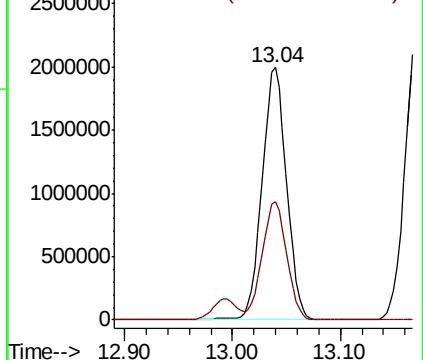
105 100

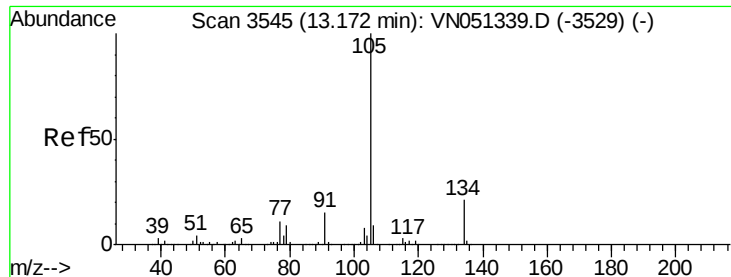
120 47.2 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 106.86 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA\_N

ClientSampleId :

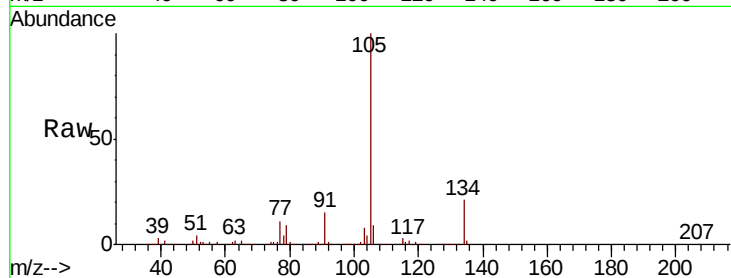
VSTDIC100

Tot Ion:105 Resp: 3683499

Ion Ratio Lower Upper

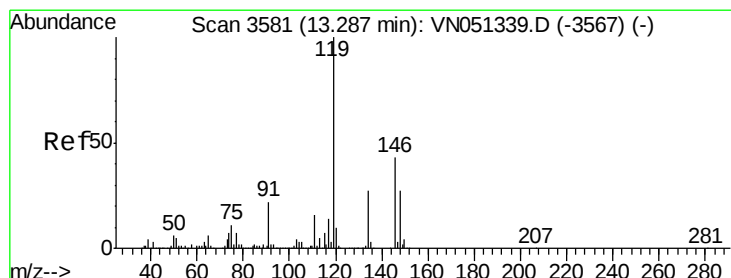
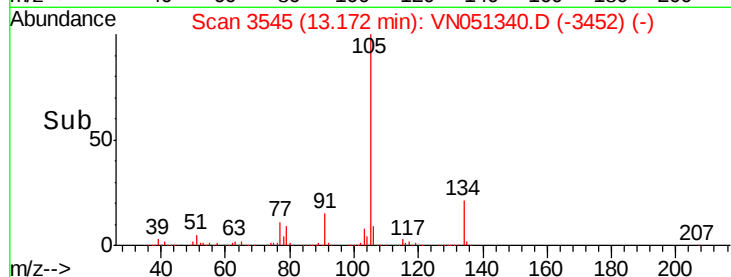
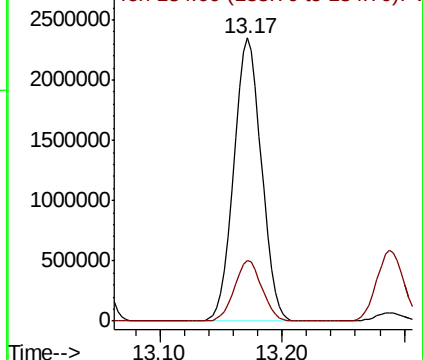
105 100

134 21.3 10.8 32.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 112.21 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

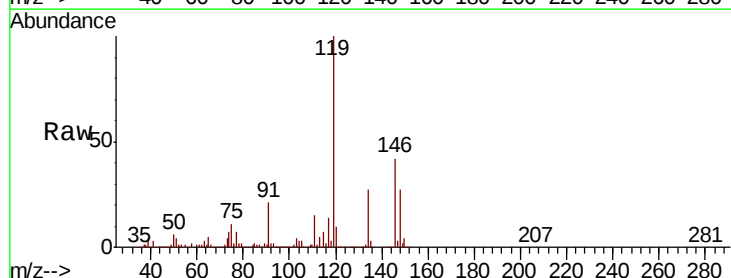
Tgt Ion:119 Resp: 3366356

Ion Ratio Lower Upper

119 100

134 26.7 13.7 41.0

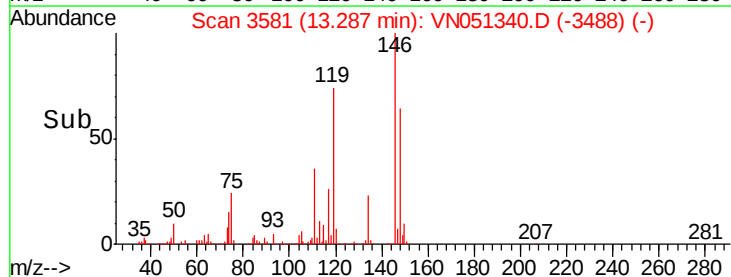
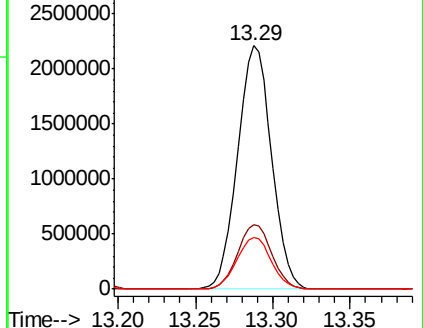
91 21.4 10.8 32.3

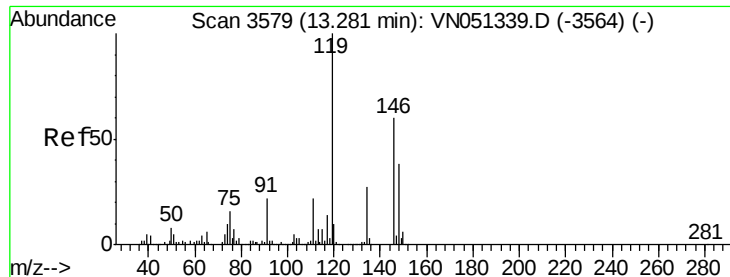


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 103.01 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC100

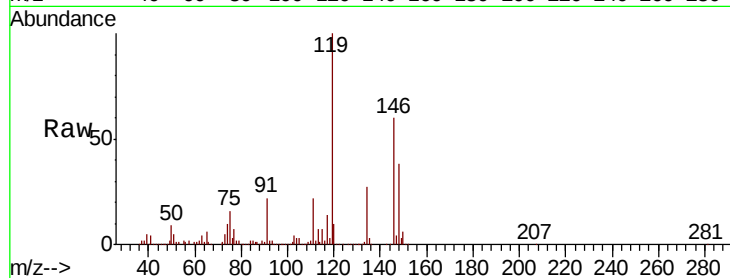
Tot Ion:146 Resp: 1709019

Ion Ratio Lower Upper

146 100

111 37.4 18.6 55.8

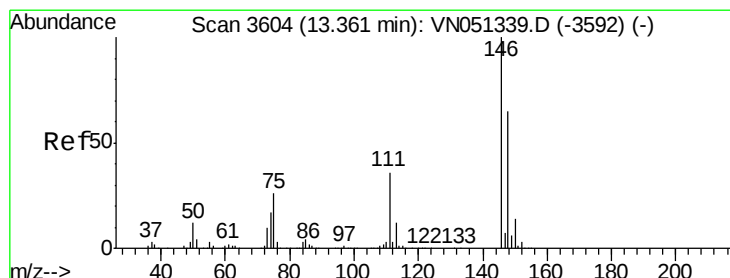
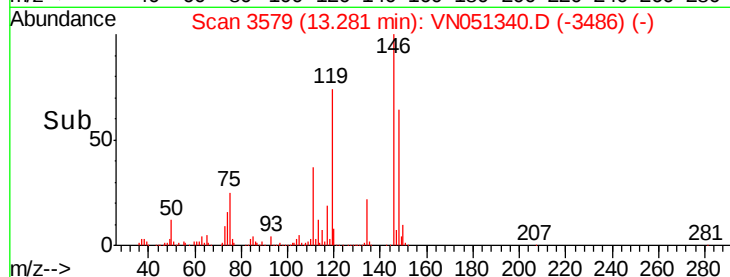
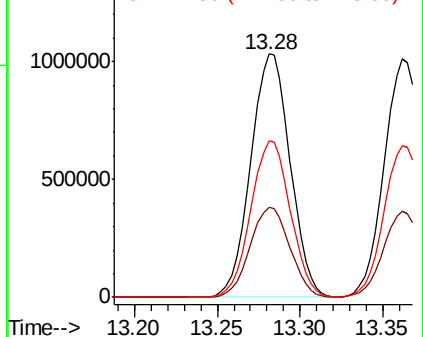
148 64.4 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 102.78 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

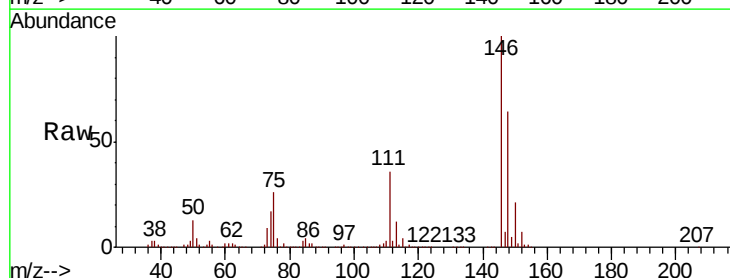
Tgt Ion:146 Resp: 1652973

Ion Ratio Lower Upper

146 100

111 36.2 18.2 54.6

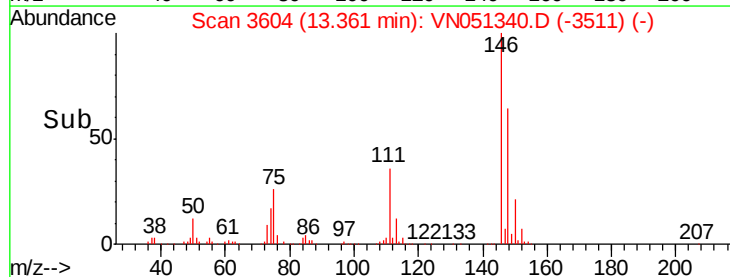
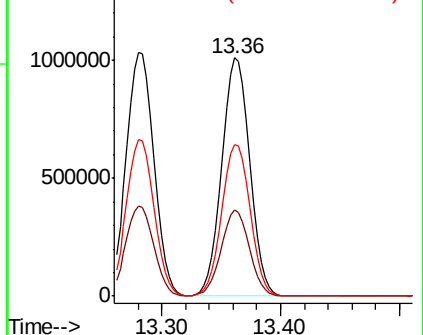
148 64.6 32.5 97.4

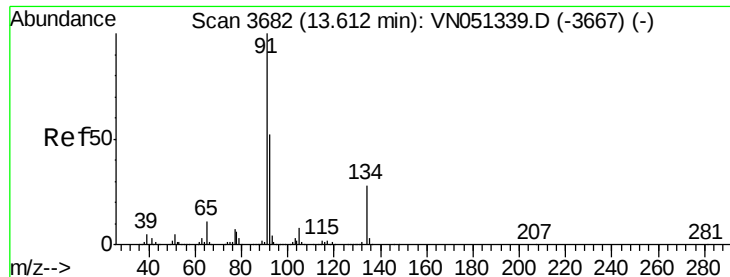


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

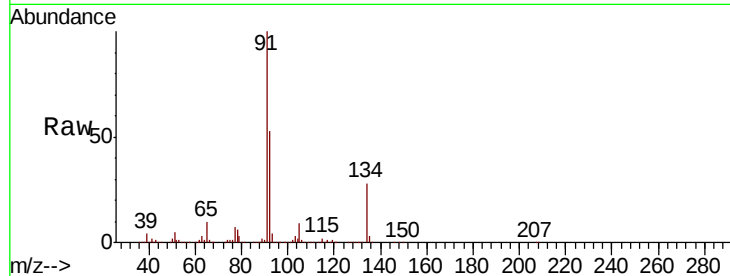




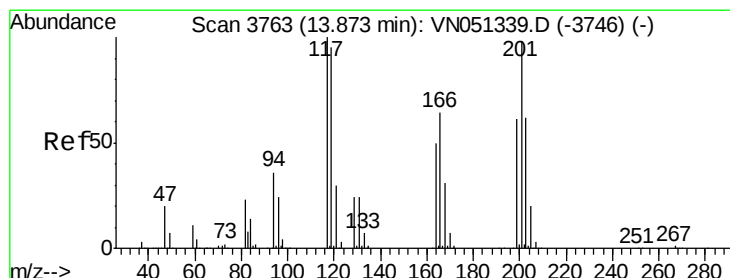
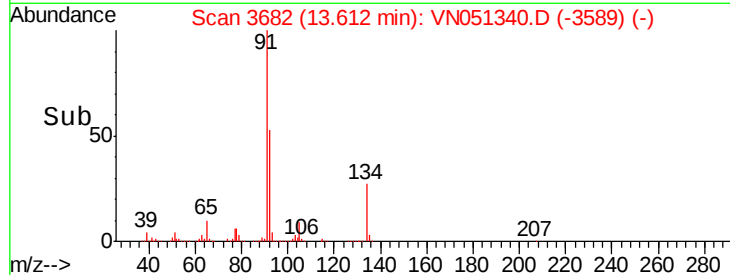
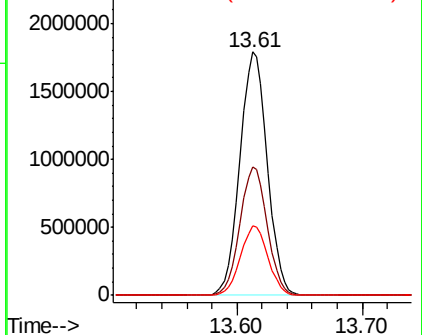
#89  
n-Butylbenzene  
Concen: 116.21 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. -0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

Tot Ion: 91 Resp: 2710176  
Ion Ratio Lower Upper  
91 100  
92 52.5 26.0 78.0  
134 28.5 14.1 42.4

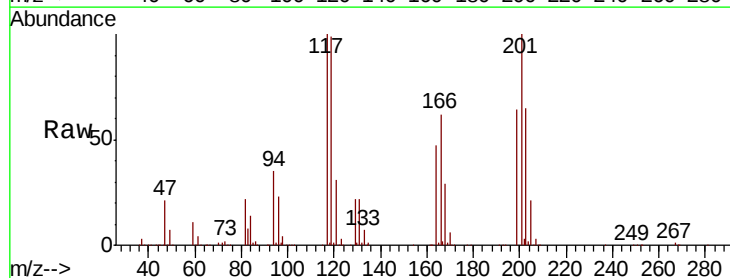


Abundance Ion 91.00 (90.70 to 91.70): VN051339.D (-3667) (-)  
Ion 92.00 (91.70 to 92.70): VN051339.D (-3667) (-)  
Ion 134.00 (133.70 to 134.70): VN051339.D (-3667) (-)

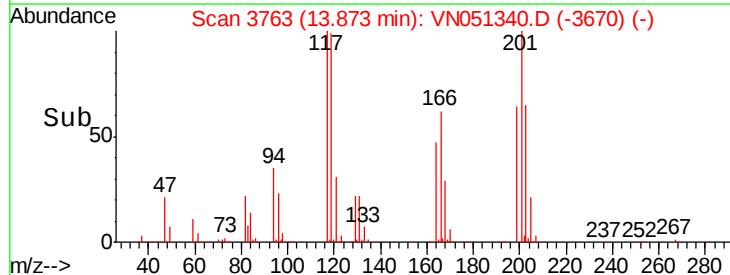
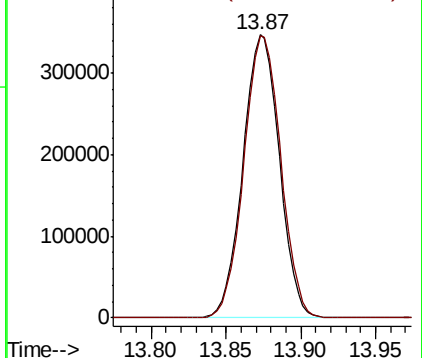


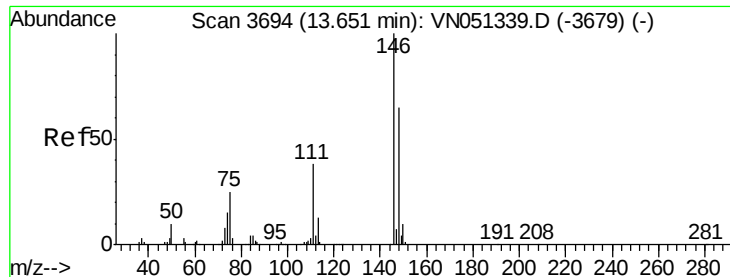
#90  
Hexachloroethane  
Concen: 91.50 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. -0.00 min  
Lab File: VN051340.D  
Acq: 20 Sep 2018 15:06

Tgt Ion: 117 Resp: 587864  
Ion Ratio Lower Upper  
117 100  
201 101.0 49.5 148.3



Abundance Ion 116.80 (116.50 to 117.50): VN051339.D (-3746) (-)  
Ion 200.70 (200.40 to 201.40): VN051339.D (-3746) (-)

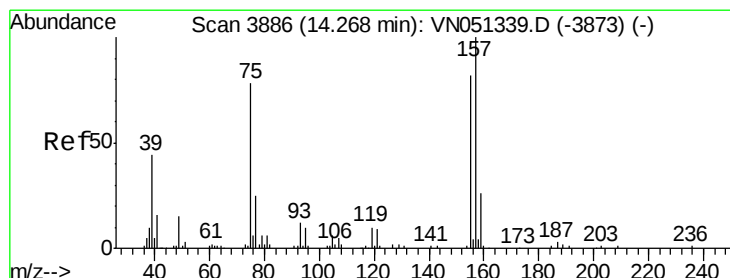
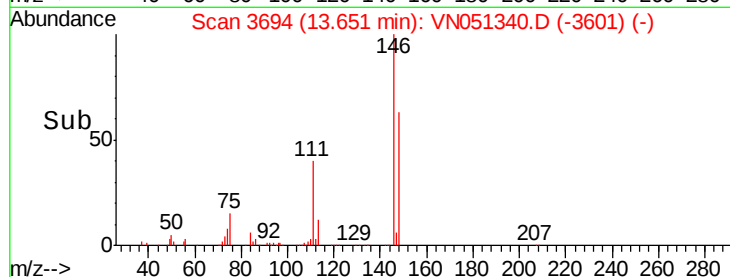
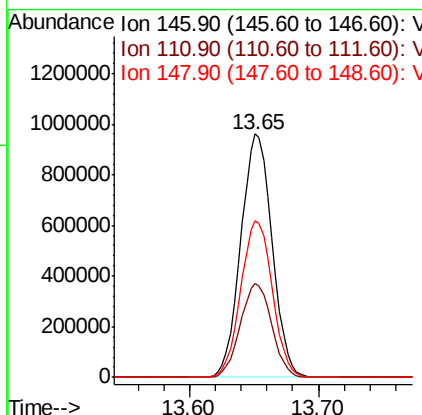
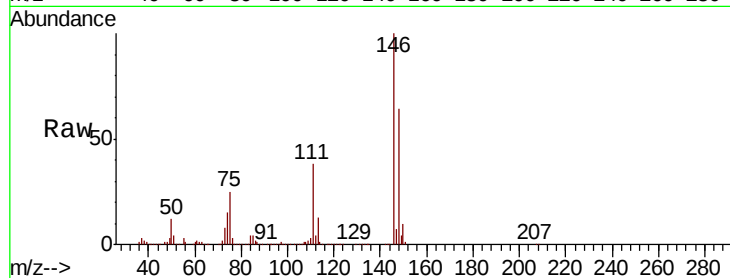




#91  
 1,2-Dichlorobenzene  
 Concen: 101.06 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. -0.00 min  
 Lab File: VN051340.D  
 Acq: 20 Sep 2018 15:06

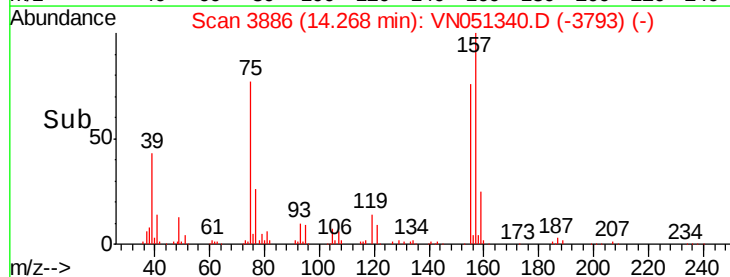
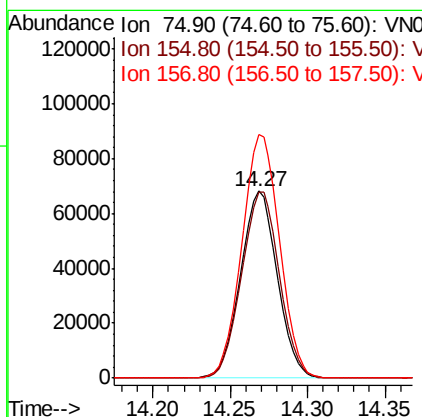
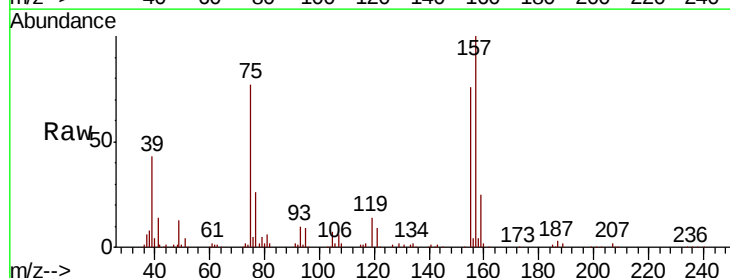
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

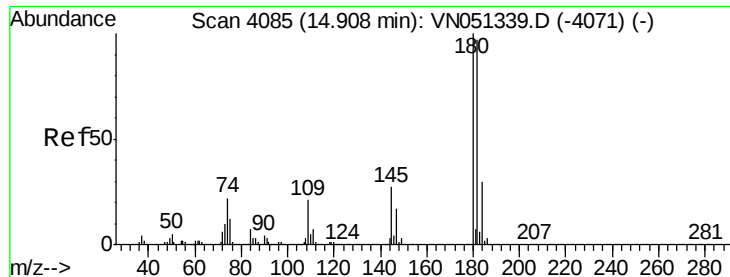
Tot Ion:146 Resp: 1619603  
 Ion Ratio Lower Upper  
 146 100  
 111 38.7 19.3 57.8  
 148 64.9 32.9 98.7



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 96.76 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. -0.00 min  
 Lab File: VN051340.D  
 Acq: 20 Sep 2018 15:06

Tgt Ion: 75 Resp: 112978  
 Ion Ratio Lower Upper  
 75 100  
 155 102.4 51.4 154.2  
 157 133.2 65.4 196.2

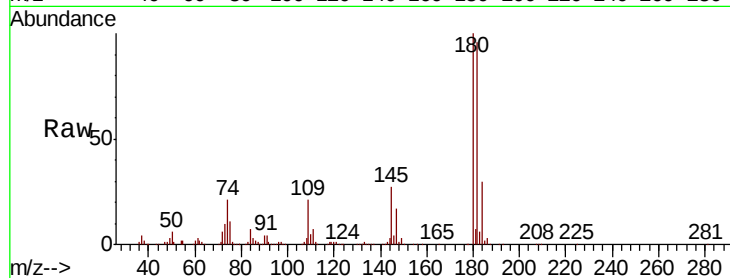




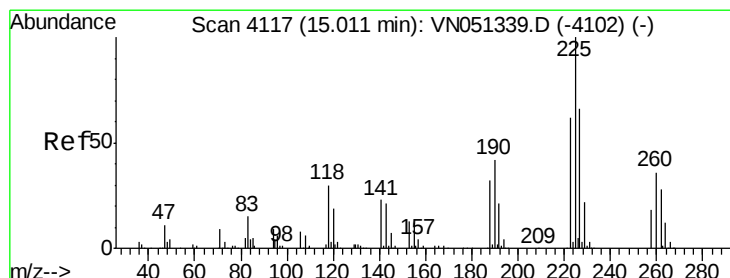
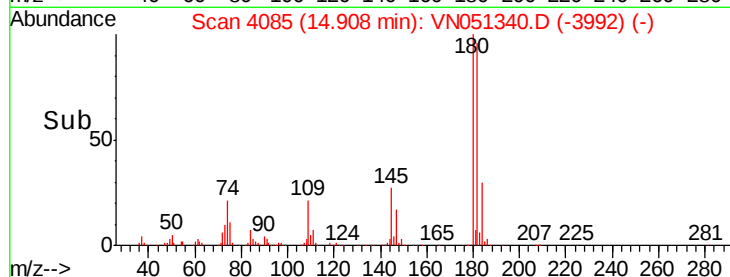
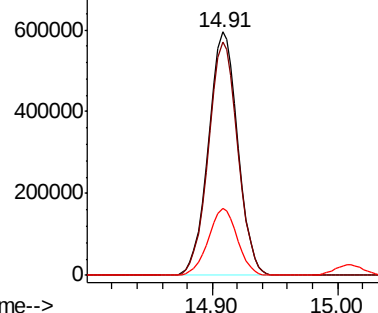
#93  
 1,2,4-Trichlorobenzene  
 Concen: 131.01 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. -0.00 min  
 Lab File: VN051340.D  
 Acq: 20 Sep 2018 15:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.7  | 48.4  | 145.2 |
| 145     | 27.3  | 13.7  | 41.1  |

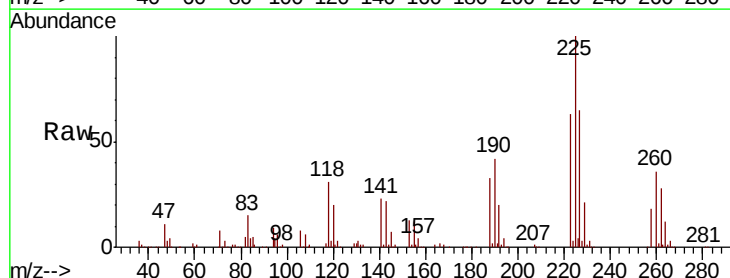


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

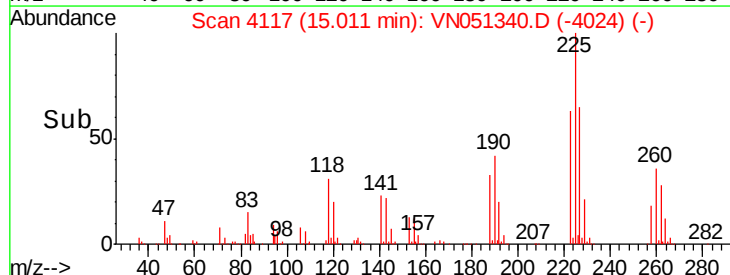
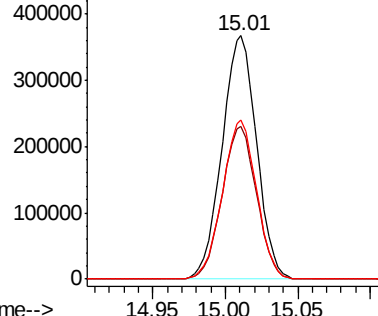


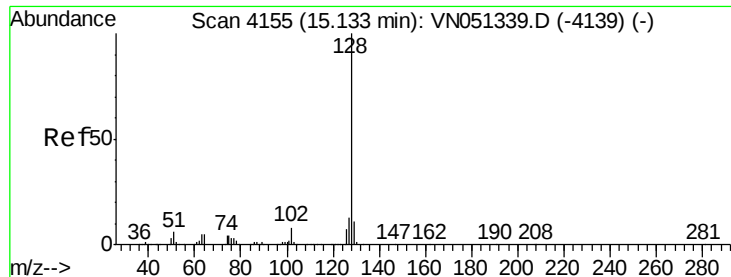
#94  
 Hexachlorobutadiene  
 Concen: 97.92 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. -0.00 min  
 Lab File: VN051340.D  
 Acq: 20 Sep 2018 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.6  | 31.2  | 93.6  |
| 227     | 64.4  | 32.8  | 98.4  |



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 138.11 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

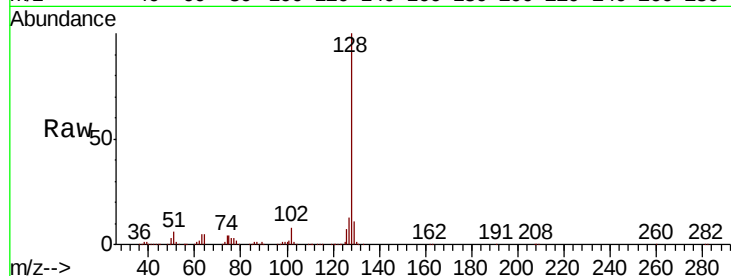
MSVOA\_N

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1788691

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 12.9  | 10.3  | 15.5  |
| 129 | 11.0  | 8.6   | 13.0  |

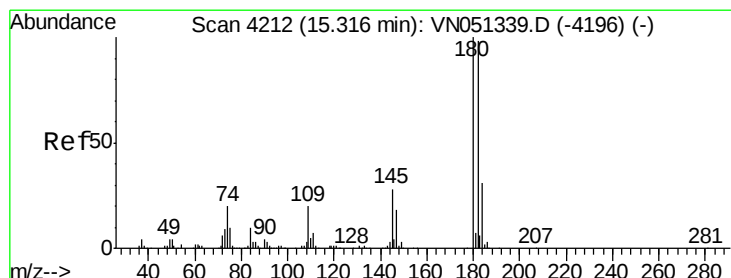
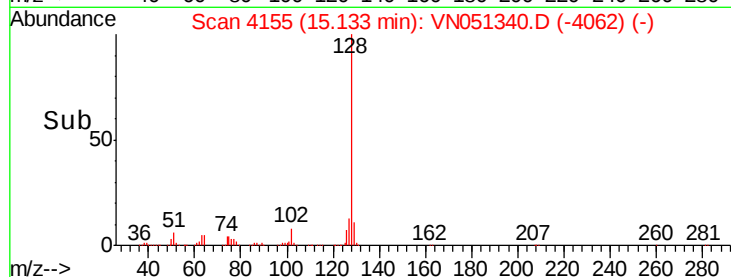
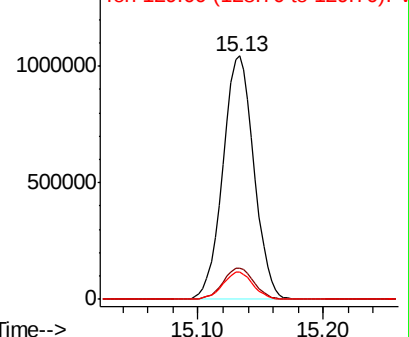


Abundance

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: 124.19 ug/l

RT: 15.31 min Scan# 4211

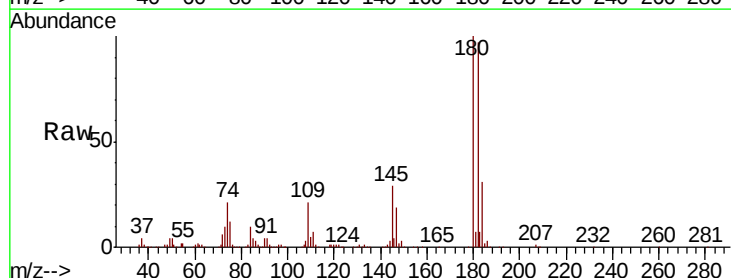
Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Tgt Ion:180 Resp: 907772

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 96.9  | 48.1  | 144.3 |
| 145 | 28.8  | 14.3  | 42.9  |



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

