

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071118\  
 Data File : VN049763.D  
 Acq On : 11 Jul 2018 18:12  
 Operator : MD\SY  
 Sample : J3762-08 L00 10 ppb  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 12 02:28:49 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071118W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Jul 12 01:52:12 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.20  | 128  | 261051   | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.59  | 114  | 1426008  | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 1246182  | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 8.03   | 65    | 546463   | 30.97    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 103.23% |
| 60) 4-Bromofluorobenzene  | 12.40  | 95    | 551049   | 28.64    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 95.47%  |
| 63) Toluene-d8            | 10.09  | 98    | 1760770  | 30.24    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 100.80% |

## Target Compounds

|                               |      |     |        |             | Ovalue |
|-------------------------------|------|-----|--------|-------------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 152509 | 7.81 ug/l   | 98     |
| 3) Chloromethane              | 2.06 | 50  | 193936 | 9.61 ug/l   | 99     |
| 4) Vinyl Chloride             | 2.18 | 62  | 204107 | 9.55 ug/l   | 99     |
| 5) Bromomethane               | 2.55 | 94  | 122434 | 9.50 ug/l   | 100    |
| 6) Chloroethane               | 2.70 | 64  | 126161 | 10.18 ug/l  | 98     |
| 7) Trichlorofluoromethane     | 3.01 | 101 | 267553 | 9.90 ug/l   | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 91678  | 9.93 ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101 | 161740 | 9.94 ug/l   | 99     |
| 10) 1,1-Dichloroethene        | 3.73 | 96  | 146076 | 9.75 ug/l   | 98     |
| 11) Methyl Iodide             | 3.95 | 142 | 204462 | 9.18 ug/l   | 98     |
| 12) Methyl Acetate            | 4.33 | 43  | 137769 | 9.41 ug/l   | 98     |
| 13) Acrolein                  | 3.61 | 56  | 85563  | 55.86 ug/l  | 97     |
| 14) Acrylonitrile             | 5.00 | 53  | 262080 | 49.89 ug/l  | 98     |
| 15) Acetone                   | 3.82 | 58  | 62388  | 47.07 ug/l  | 98     |
| 16) Carbon Disulfide          | 4.05 | 76  | 450421 | 9.72 ug/l   | 99     |
| 17) Allyl chloride            | 4.32 | 41  | 225533 | 9.53 ug/l   | 99     |
| 18) Methylene Chloride        | 4.55 | 84  | 182798 | 10.28 ug/l  | 98     |
| 19) trans-1,2-Dichloroethene  | 5.04 | 96  | 160019 | 10.11 ug/l  | 97     |
| 20) Diisopropyl ether         | 5.96 | 45  | 480572 | 10.06 ug/l  | 98     |
| 21) 1,1-Dichloroethane        | 5.85 | 63  | 297830 | 10.16 ug/l  | 98     |
| 22) cis-1,2-Dichloroethene    | 6.83 | 96  | 175046 | 9.93 ug/l   | 100    |
| 23) tert-Butyl Alcohol        | 4.81 | 59  | 54292m | 49.34 ug/l  |        |
| 24) Methyl tert-Butyl Ether   | 5.05 | 73  | 381667 | 9.57 ug/l   | 98     |
| 25) Chloroform                | 7.37 | 83  | 306162 | 10.34 ug/l  | 97     |
| 26) Cyclohexane               | 7.65 | 56  | 233171 | 9.42 ug/l # | 99     |
| 29) 1,1-Dichloropropene       | 7.80 | 75  | 218608 | 9.63 ug/l   | 99     |
| 30) 2-Butanone                | 6.84 | 43  | 290480 | 45.95 ug/l  | 99     |
| 31) 2,2-Dichloropropane       | 6.83 | 77  | 230516 | 9.47 ug/l   | 100    |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 259119 | 9.93 ug/l   | 98     |
| 33) Carbon Tetrachloride      | 7.78 | 117 | 227875 | 9.85 ug/l   | 98     |
| 34) Benzene                   | 8.04 | 78  | 672235 | 9.88 ug/l # | 90     |
| 35) Methacrylonitrile         | 7.18 | 41  | 66576  | 9.22 ug/l   | 96     |
| 36) 1,2-Dichloroethane        | 8.13 | 62  | 222247 | 10.23 ug/l  | 99     |
| 37) Trichloroethene           | 8.84 | 130 | 180482 | 10.18 ug/l  | 100    |
| 38) Methylcyclohexane         | 9.08 | 83  | 222942 | 9.12 ug/l   | 99     |
| 39) 1,2-Dichloropropane       | 9.12 | 63  | 178852 | 10.12 ug/l  | 99     |
| 40) Dibromomethane            | 9.21 | 93  | 106416 | 10.02 ug/l  | 98     |

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Jul 12 01:52:12 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 41) Bromodichloromethane       | 9.40  | 83   | 229804   | 10.06  | ug/l   | 97       |
| 42) Vinyl Acetate              | 5.90  | 43   | 1609775  | 47.98  | ug/l   | 100      |
| 43) Ethyl Acetate              | 6.94  | 43   | 132852   | 9.95   | ug/l   | 95       |
| 44) Isopropyl Acetate          | 8.17  | 43   | 243054   | 9.74   | ug/l   | 98       |
| 45) 1,4-Dioxane                | 9.21  | 88   | 32956    | 200.55 | ug/l # | 93       |
| 46) Methyl methacrylate        | 9.20  | 41   | 113556   | 9.07   | ug/l   | 98       |
| 47) n-amyl Acetate             | 12.07 | 43   | 186402   | 8.87   | ug/l   | 99       |
| 48) t-1,3-Dichloropropene      | 10.38 | 75   | 215211   | 9.35   | ug/l   | 97       |
| 49) cis-1,3-Dichloropropene    | 9.84  | 75   | 250548   | 9.45   | ug/l   | 99       |
| 50) 1,1,2-Trichloroethane      | 10.56 | 97   | 157190   | 10.17  | ug/l   | 96       |
| 51) Ethyl methacrylate         | 10.43 | 69   | 171569   | 9.10   | ug/l   | 98       |
| 52) 1,3-Dichloropropane        | 10.71 | 76   | 252675   | 9.96   | ug/l   | 98       |
| 53) Dibromochloromethane       | 10.90 | 129  | 167644   | 9.60   | ug/l   | 99       |
| 54) 1,2-Dibromoethane          | 11.01 | 107  | 148550   | 9.89   | ug/l   | 97       |
| 55) 2-Chloroethyl vinyl ether  | 9.70  | 63   | 414952   | 43.22  | ug/l   | 100      |
| 56) Bromoform                  | 12.13 | 173  | 112627   | 9.41   | ug/l   | 98       |
| 58) 4-Methyl-2-Pentanone       | 9.99  | 43   | 660030   | 48.72  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 421037   | 46.17  | ug/l   | 98       |
| 61) Tetrachloroethene          | 10.63 | 164  | 162879   | 10.42  | ug/l   | 97       |
| 62) Toluene                    | 10.16 | 91   | 722602   | 10.12  | ug/l   | 100      |
| 64) Chlorobenzene              | 11.44 | 112  | 442566   | 10.10  | ug/l   | 100      |
| 65) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 169043   | 10.16  | ug/l   | 99       |
| 66) Ethyl Benzene              | 11.51 | 91   | 713396   | 9.52   | ug/l   | 99       |
| 67) m/p-Xylenes                | 11.63 | 106  | 555952   | 19.29  | ug/l   | 98       |
| 68) o-Xylene                   | 11.95 | 106  | 266446   | 9.68   | ug/l   | 99       |
| 69) Styrene                    | 11.97 | 104  | 410147   | 9.33   | ug/l   | 99       |
| 70) Isopropylbenzene           | 12.25 | 105  | 704114   | 9.64   | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 189239   | 10.10  | ug/l   | 98       |
| 72) 1,2,3-Trichloropropane     | 12.56 | 75   | 160033m  | 10.66  | ug/l   |          |
| 73) Bromobenzene               | 12.53 | 156  | 184858   | 9.65   | ug/l   | 99       |
| 74) n-propylbenzene            | 12.59 | 91   | 798592   | 9.45   | ug/l   | 99       |
| 75) 2-Chlorotoluene            | 12.68 | 91   | 496787   | 9.80   | ug/l   | 99       |
| 76) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 561572   | 9.46   | ug/l   | 100      |
| 77) t-1,4-Dichloro-2-butene    | 12.30 | 75   | 45993    | 8.74   | ug/l   | 91       |
| 78) 4-Chlorotoluene            | 12.78 | 91   | 477534   | 9.44   | ug/l   | 98       |
| 79) tert-butylbenzene          | 12.99 | 119  | 498711   | 9.68   | ug/l   | 99       |
| 80) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 568649   | 9.49   | ug/l   | 100      |
| 81) sec-Butylbenzene           | 13.17 | 105  | 668136   | 9.66   | ug/l   | 99       |
| 82) p-Isopropyltoluene         | 13.29 | 119  | 552872   | 9.24   | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene        | 13.28 | 146  | 311948   | 9.39   | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene        | 13.36 | 146  | 291443   | 9.16   | ug/l   | 98       |
| 85) n-Butylbenzene             | 13.62 | 91   | 412587   | 8.47   | ug/l   | 99       |
| 86) Hexachloroethane           | 13.88 | 117  | 114526   | 10.06  | ug/l   | 97       |
| 87) 1,2-Dichlorobenzene        | 13.65 | 146  | 307115   | 9.60   | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 25051    | 8.97   | ug/l   | 96       |
| 89) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 117674   | 7.28   | ug/l   | 99       |
| 90) Hexachlorobutadiene        | 15.01 | 225  | 98639    | 9.59   | ug/l   | 99       |
| 91) Naphthalene                | 15.14 | 128  | 223245   | 6.27   | ug/l   | 100      |
| 92) 1,2,3-Trichlorobenzene     | 15.32 | 180  | 125013   | 7.71   | ug/l   | 98       |

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ALS Vial : 11 Sample Multiplier: 1

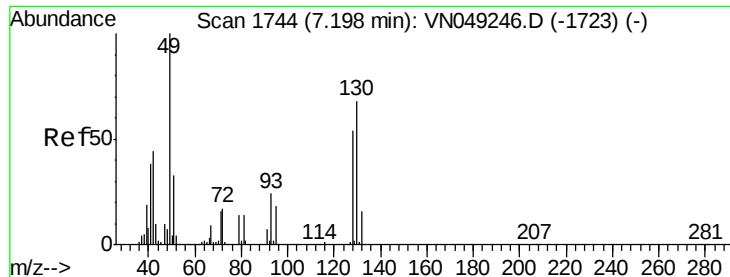
Quant Time: Jul 12 02:28:49 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071118W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1745

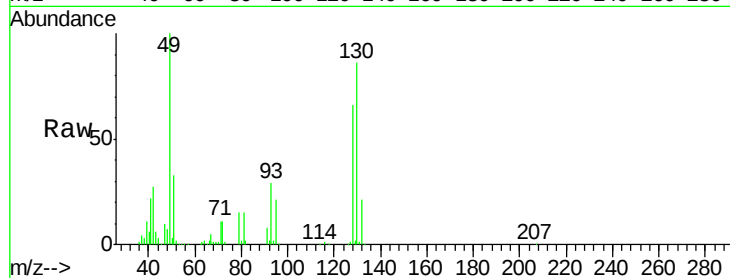
Delta R.T. 0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

Tot Ion:128 Resp: 261051

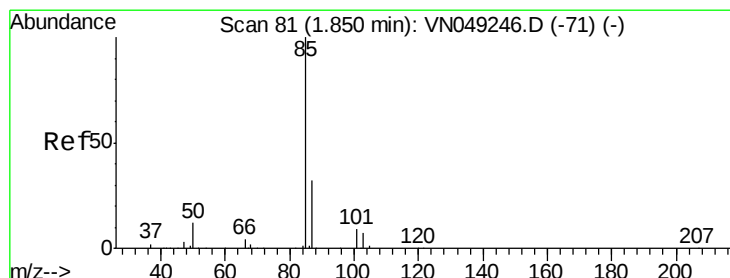
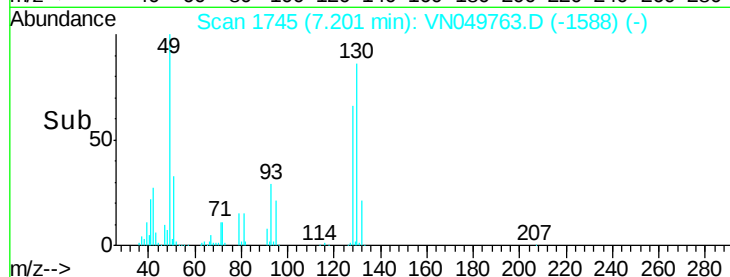
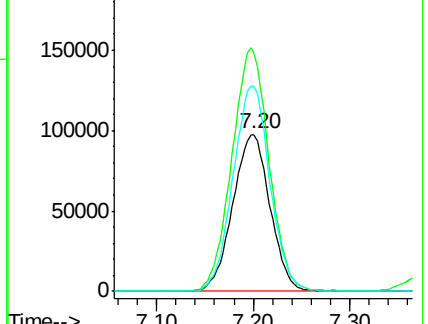
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 49  | 154.3 | 0.0   | 378.3 |
| 130 | 130.0 | 0.0   | 320.7 |



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.81 ug/l

RT: 1.85 min Scan# 82

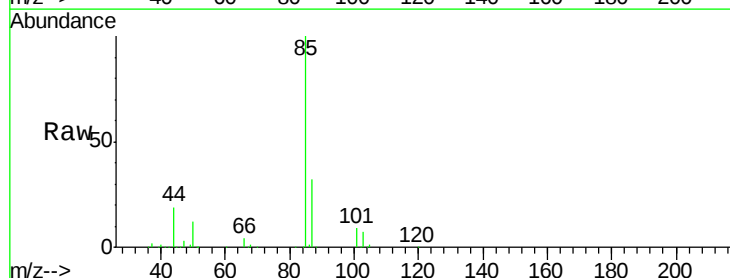
Delta R.T. 0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

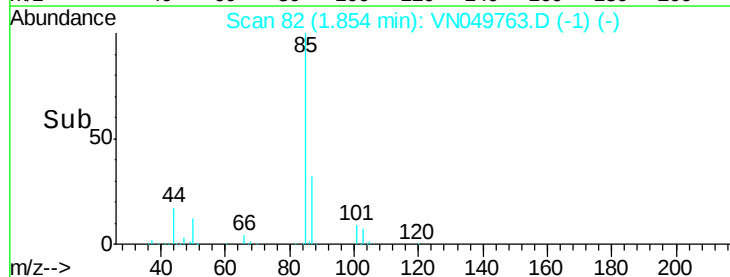
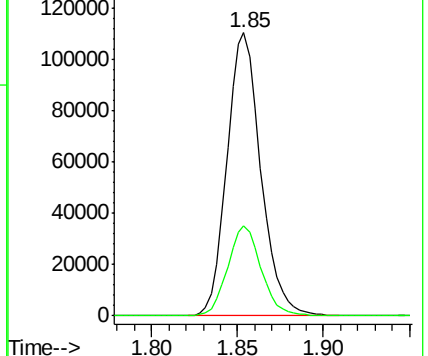
Tgt Ion: 85 Resp: 152509

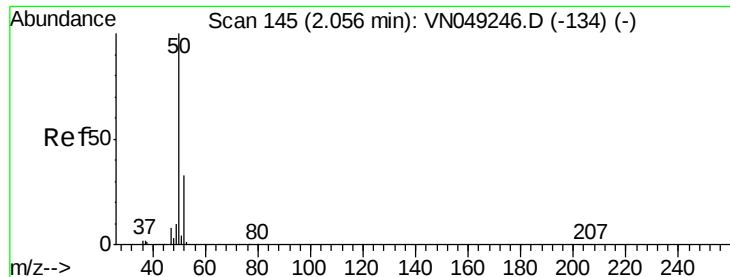
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 85  | 100   |       |       |
| 87  | 32.1  | 15.4  | 46.4  |



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 9.61 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049763.D

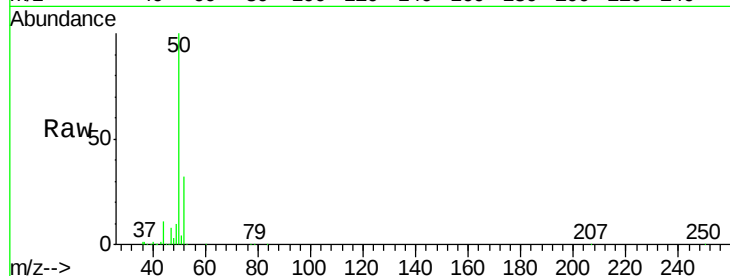
Acq: 11 Jul 2018 18:12

Tot Ion: 50 Resp: 193936

Ion Ratio Lower Upper

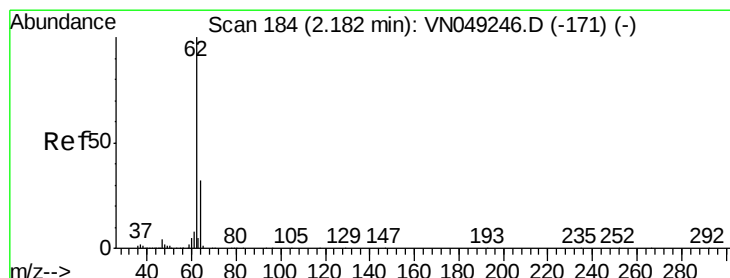
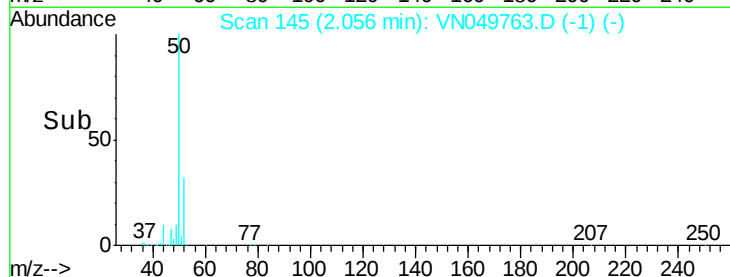
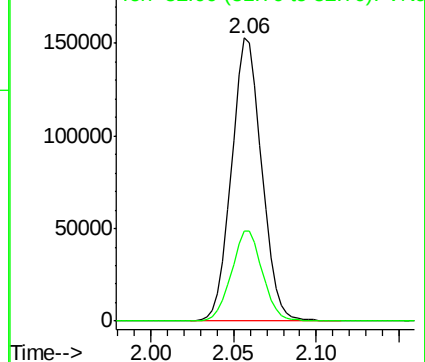
50 100

52 31.9 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 9.55 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049763.D

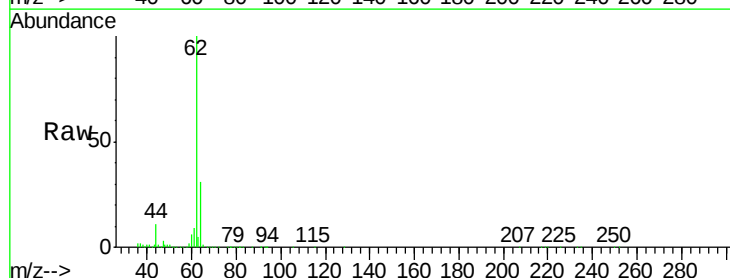
Acq: 11 Jul 2018 18:12

Tgt Ion: 62 Resp: 204107

Ion Ratio Lower Upper

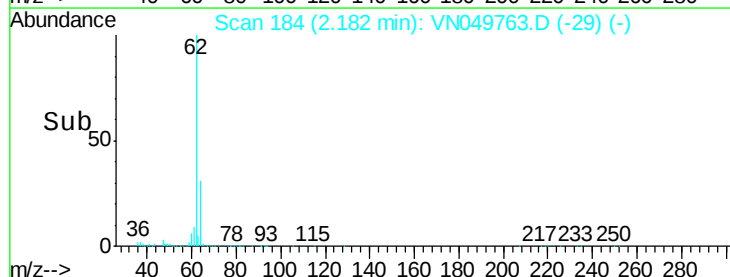
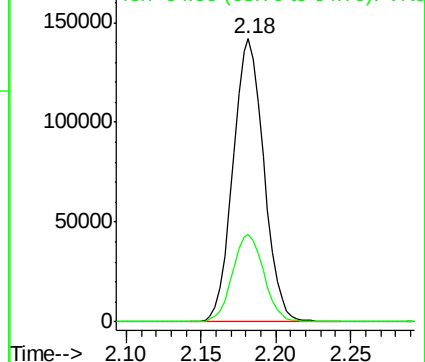
62 100

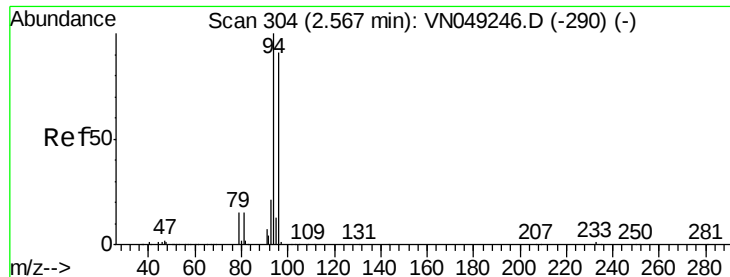
64 30.9 24.4 36.6



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 9.50 ug/l

RT: 2.55 min Scan# 300

Delta R.T. -0.01 min

Lab File: VN049763.D

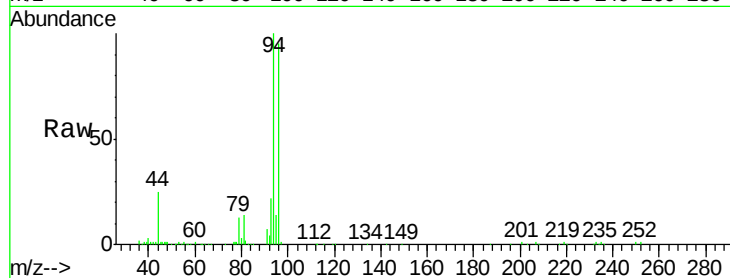
Acq: 11 Jul 2018 18:12

Tot Ion: 94 Resp: 122434

Ion Ratio Lower Upper

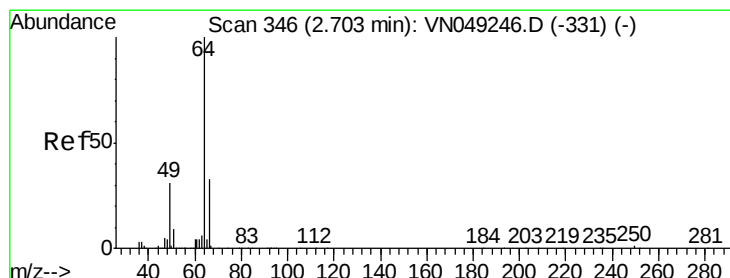
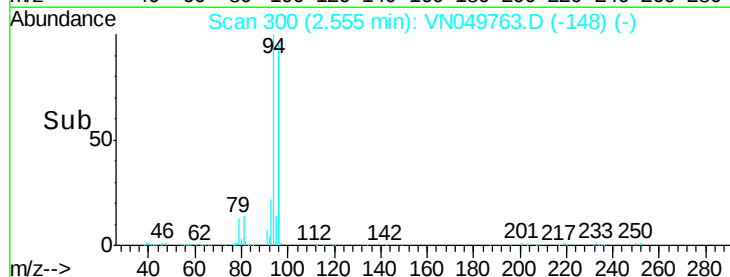
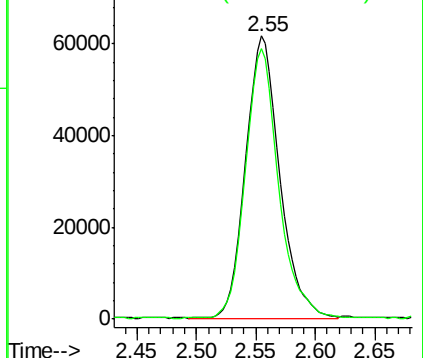
94 100

96 95.3 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 10.18 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049763.D

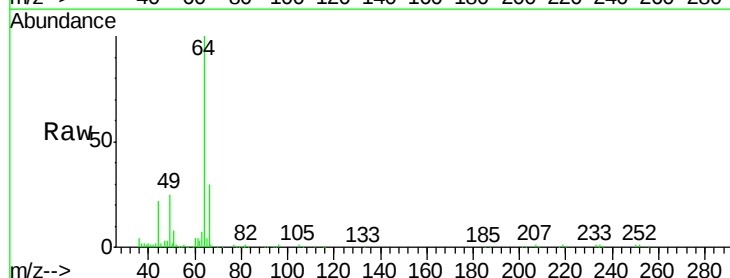
Acq: 11 Jul 2018 18:12

Tgt Ion: 64 Resp: 126161

Ion Ratio Lower Upper

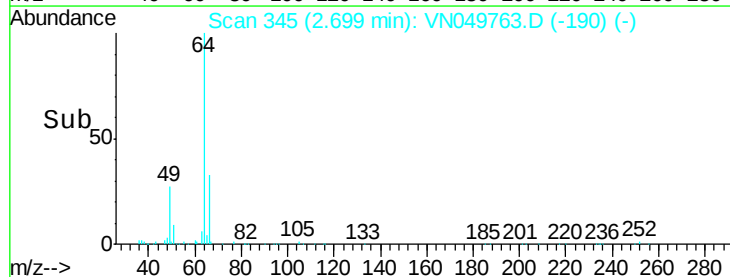
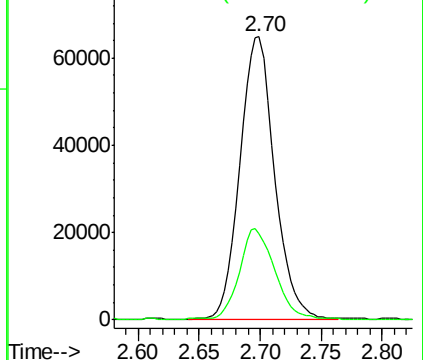
64 100

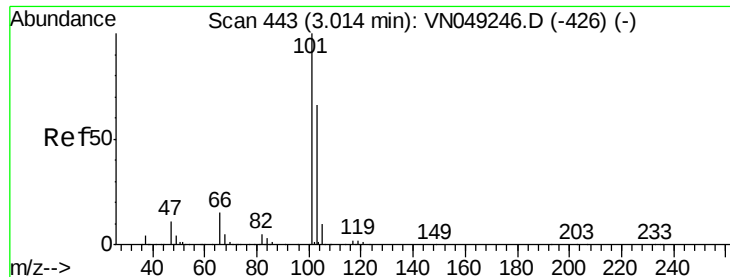
66 30.1 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

Trichlorofluoromethane

Concen: 9.90 ug/l

RT: 3.01 min Scan# 442

Delta R.T. -0.00 min

Lab File: VN049763.D

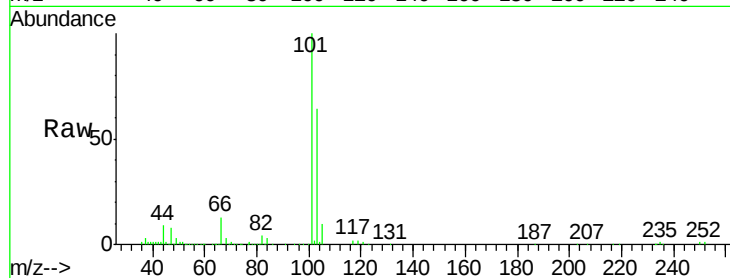
Acq: 11 Jul 2018 18:12

Tot Ion:101 Resp: 267553

Ion Ratio Lower Upper

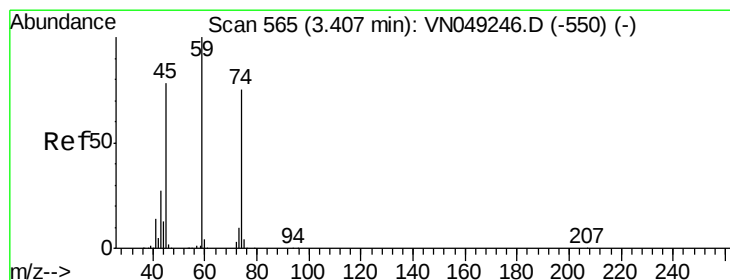
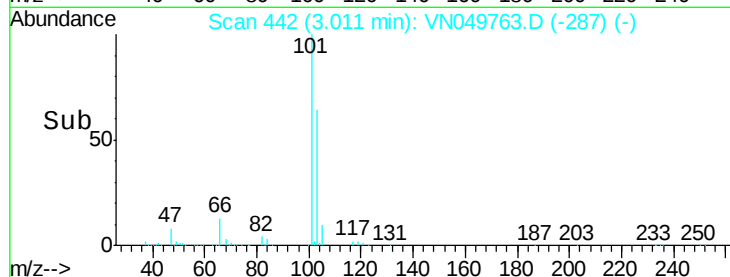
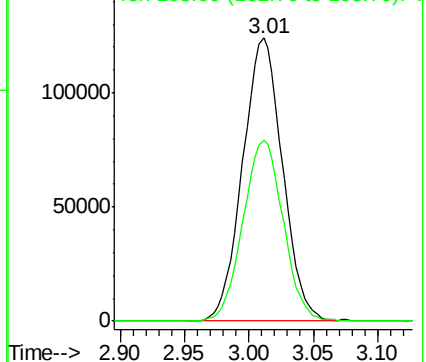
101 100

103 64.0 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 9.93 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN049763.D

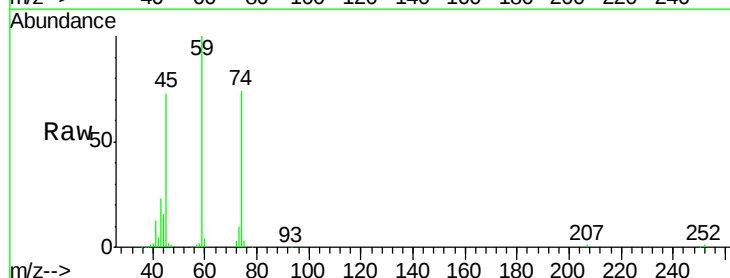
Acq: 11 Jul 2018 18:12

Tgt Ion: 74 Resp: 91678

Ion Ratio Lower Upper

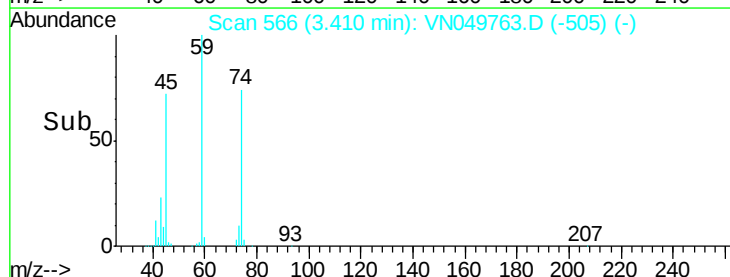
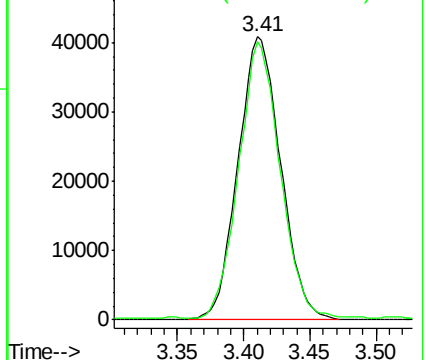
74 100

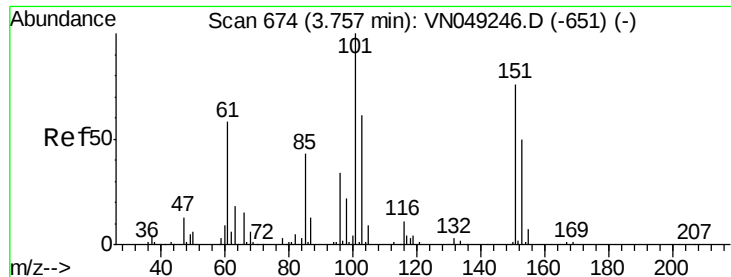
45 94.1 18.7 167.9



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.94 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

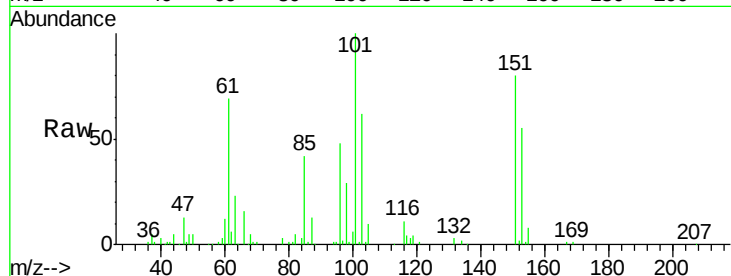
Tot Ion:101 Resp: 161740

Ion Ratio Lower Upper

101 100

85 43.1 0.0 83.0

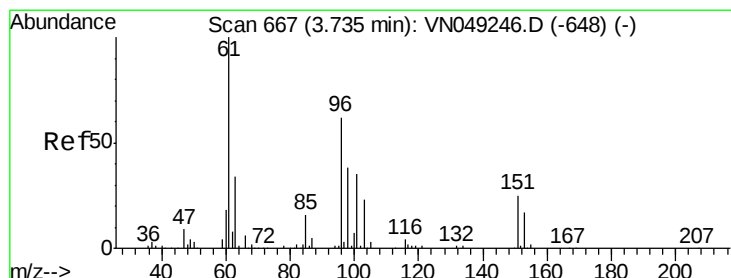
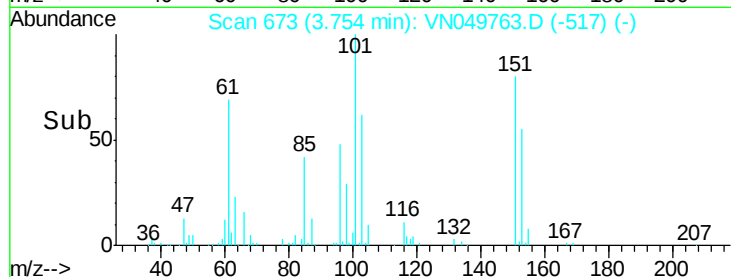
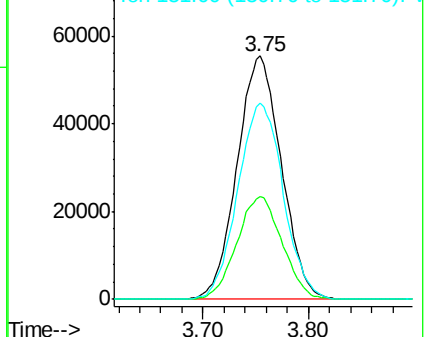
151 82.7 0.0 166.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 9.75 ug/l

RT: 3.73 min Scan# 666

Delta R.T. -0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

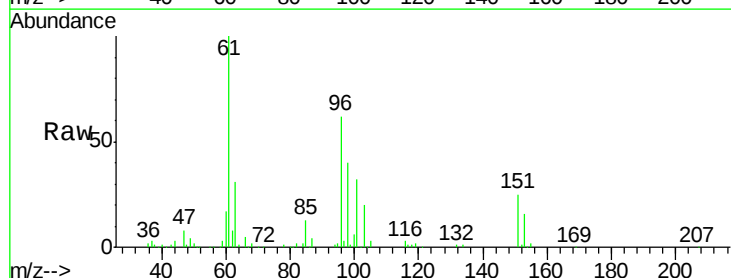
Tgt Ion: 96 Resp: 146076

Ion Ratio Lower Upper

96 100

61 161.1 130.6 195.8

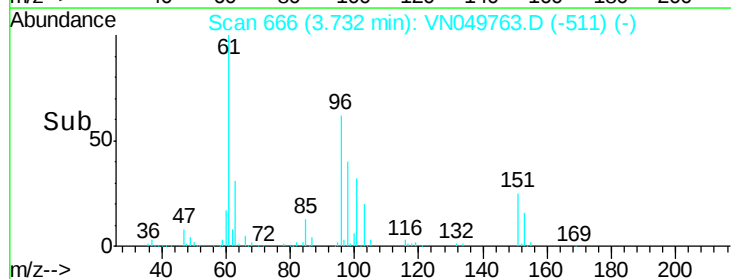
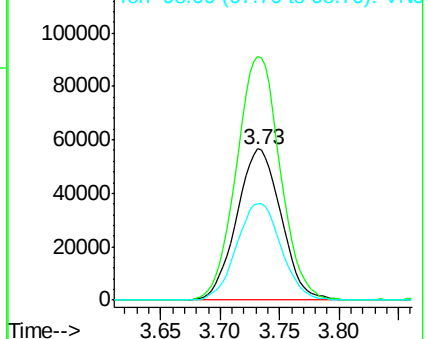
98 64.1 53.5 80.3

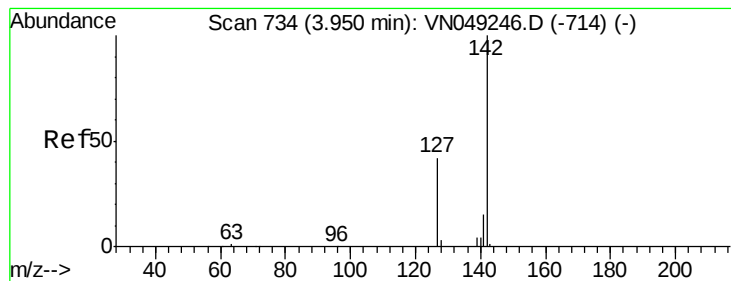


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#11

Methvl Iodide

Concen: 9.18 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

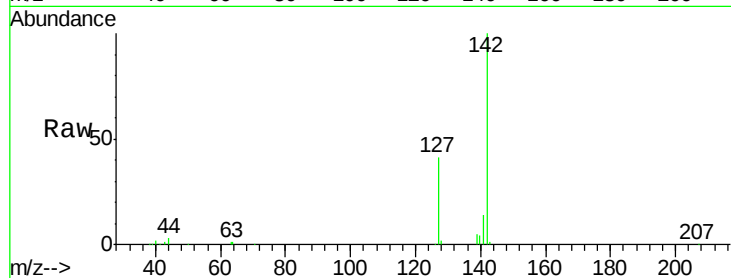
Tot Ion:142 Resp: 204462

Ion Ratio Lower Upper

142 100

127 41.3 20.2 60.5

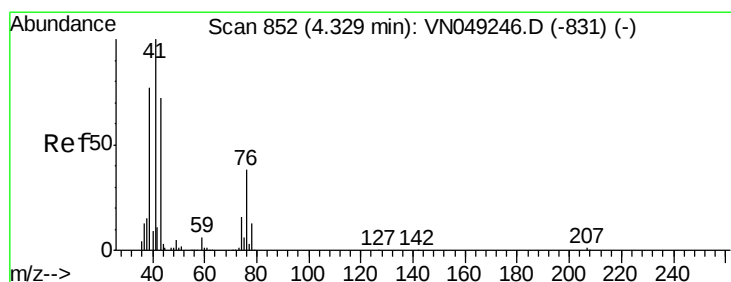
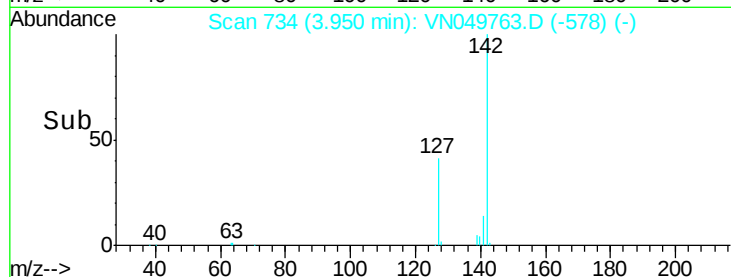
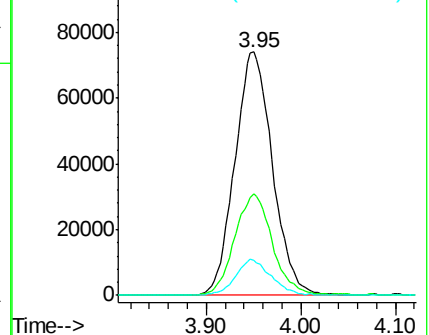
141 14.4 6.9 20.6



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 9.41 ug/l

RT: 4.33 min Scan# 852

Delta R.T. -0.00 min

Lab File: VN049763.D

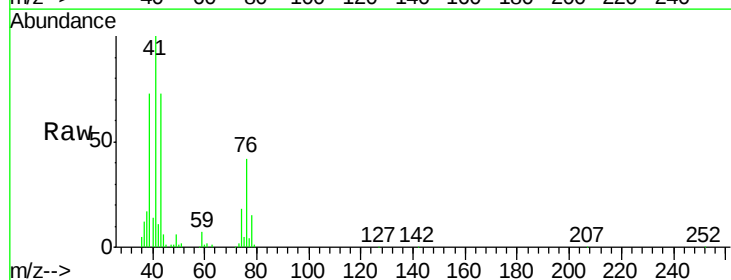
Acq: 11 Jul 2018 18:12

Tgt Ion: 43 Resp: 137769

Ion Ratio Lower Upper

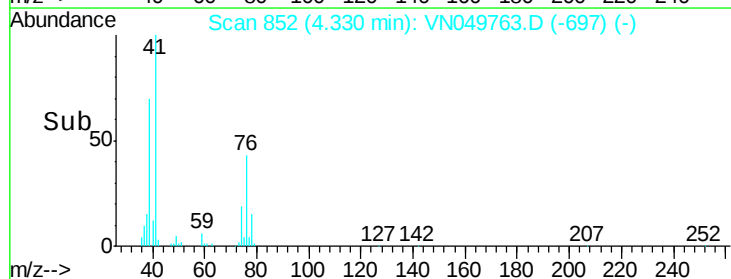
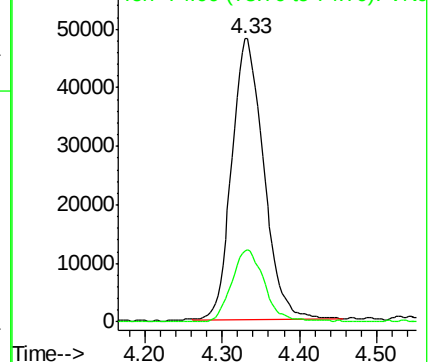
43 100

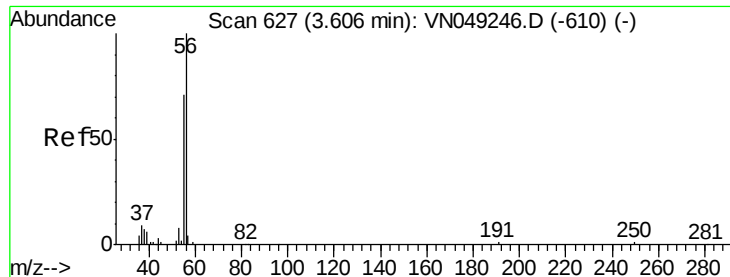
74 25.3 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 55.86 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049763.D

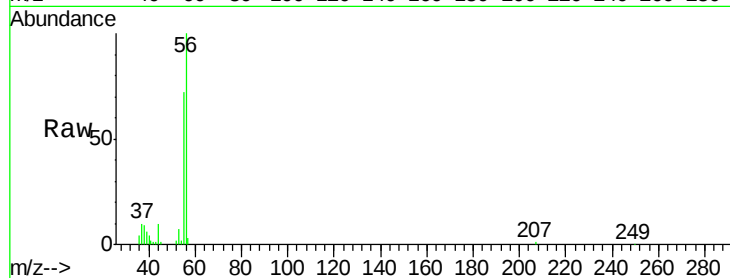
Acq: 11 Jul 2018 18:12

Tot Ion: 56 Resp: 85563

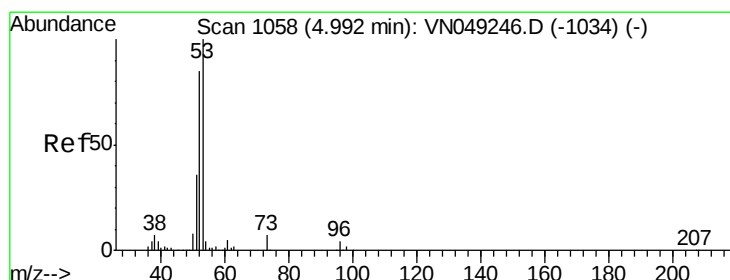
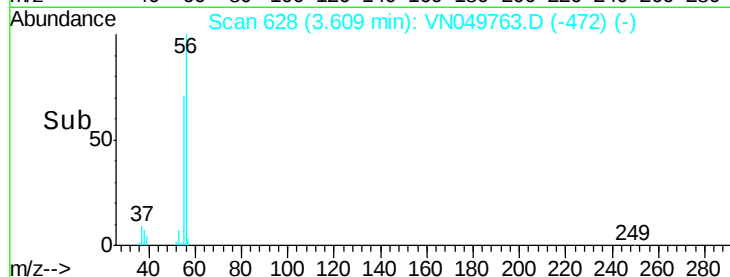
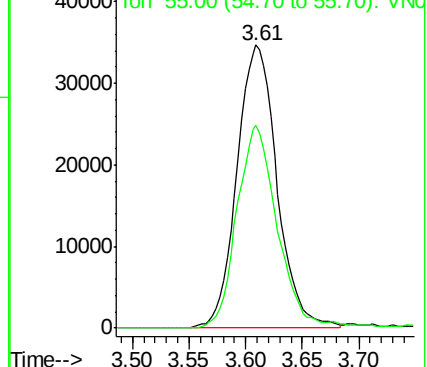
Ion Ratio Lower Upper

56 100

55 71.0 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN049763.D (-472) (-)



#14

Acrylonitrile

Concen: 49.89 ug/l

RT: 5.00 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

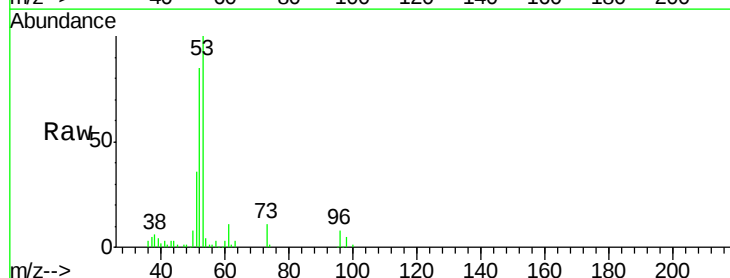
Tgt Ion: 53 Resp: 262080

Ion Ratio Lower Upper

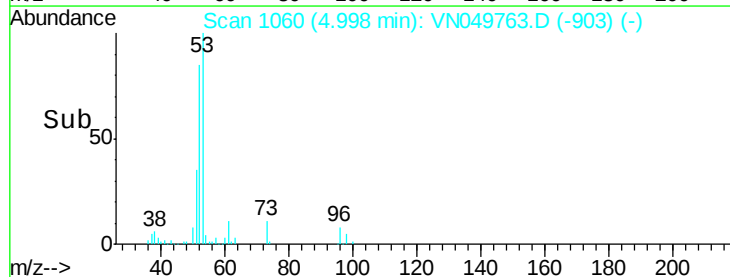
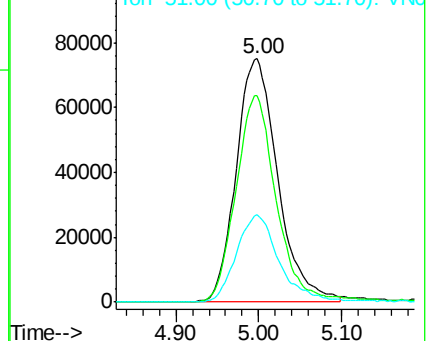
53 100

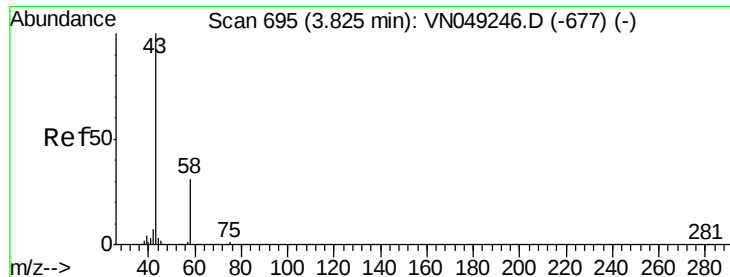
52 80.9 41.5 124.5

51 36.4 18.7 56.1



Abundance Ion 53.00 (52.70 to 53.70): VN049763.D (-903) (-)





#15

Acetone

Concen: 47.07 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049763.D

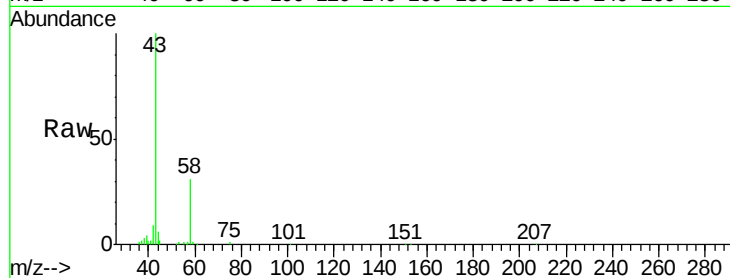
Acq: 11 Jul 2018 18:12

Tot Ion: 58 Resp: 62388

Ion Ratio Lower Upper

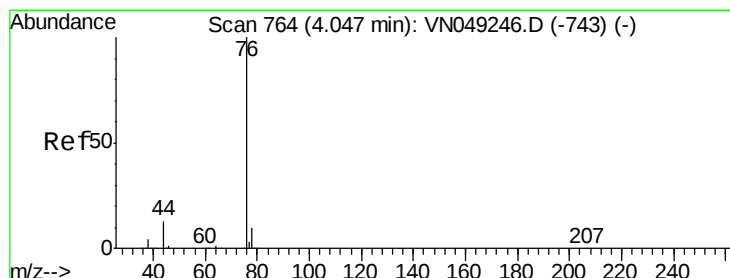
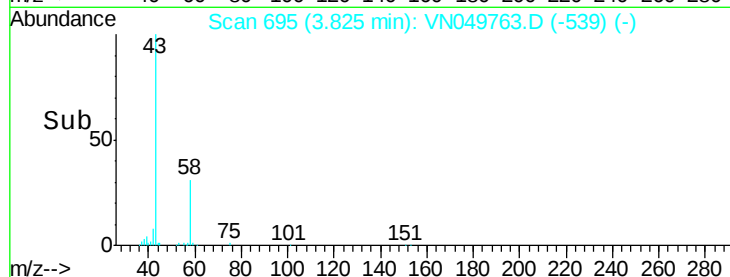
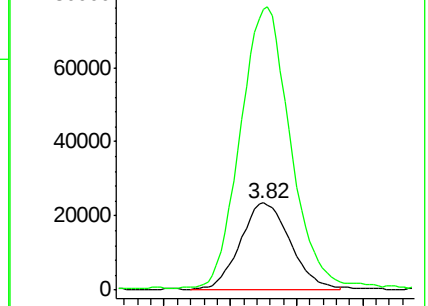
58 100

43 318.3 252.0 378.0



Abundance Ion 58.00 (57.70 to 58.70): VN049763.D (-695) (-)

Ion 43.00 (42.70 to 43.70): VN049763.D (-695) (-)



#16

Carbon Disulfide

Concen: 9.72 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN049763.D

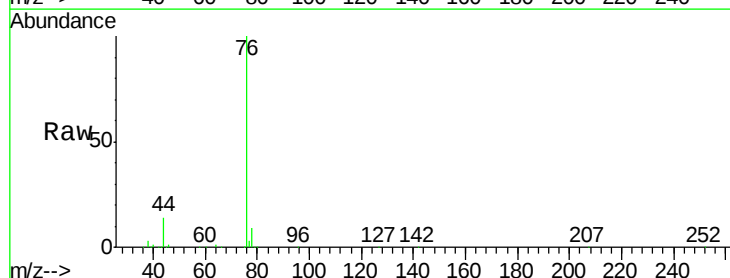
Acq: 11 Jul 2018 18:12

Tgt Ion: 76 Resp: 450421

Ion Ratio Lower Upper

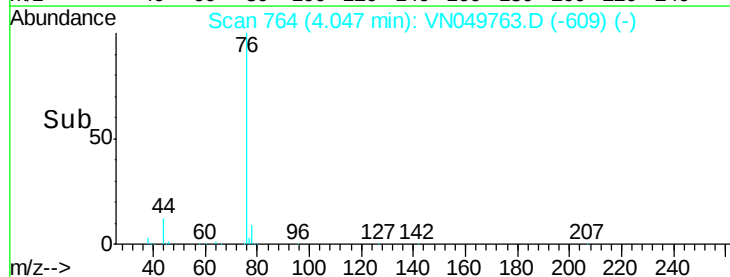
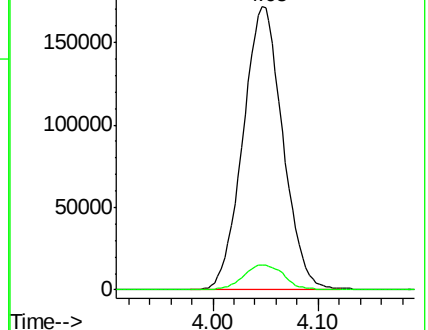
76 100

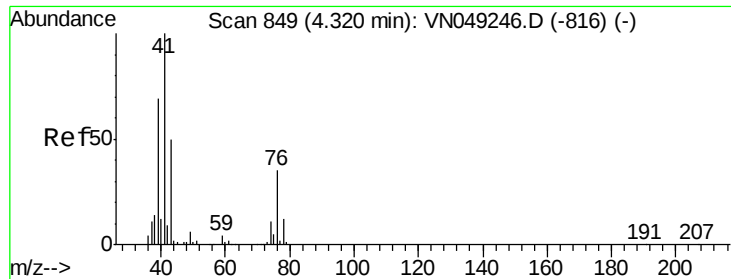
78 8.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN049763.D (-764) (-)

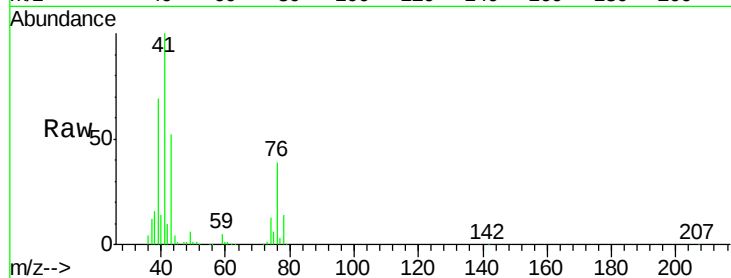
Ion 78.00 (77.70 to 78.70): VN049763.D (-764) (-)





#17  
Allvl chloride  
Concen: 9.53 ug/l  
RT: 4.32 min Scan# 849  
Delta R.T. -0.01 min  
Lab File: VN049763.D  
Acq: 11 Jul 2018 18:12

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 69.3  | 35.4  | 106.3 |
| 76      | 39.3  | 19.7  | 59.1  |

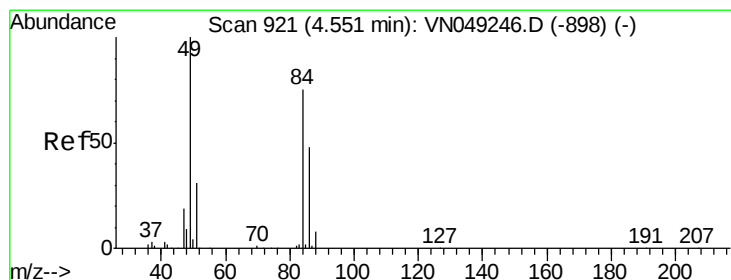
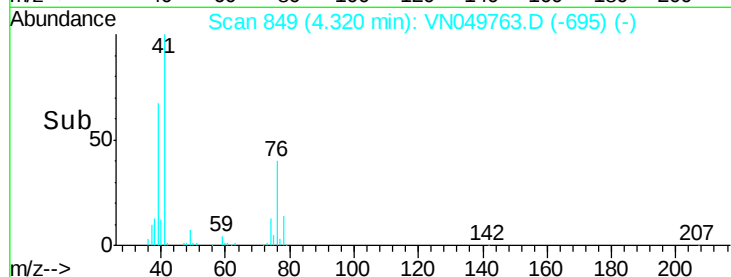
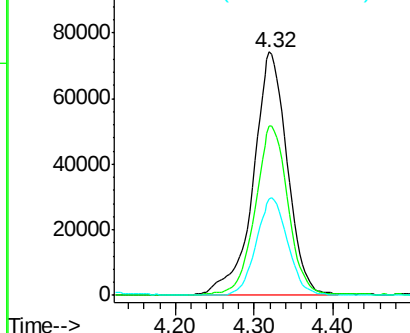


Abundance

Ion 41.00 (40.70 to 41.70): VNO

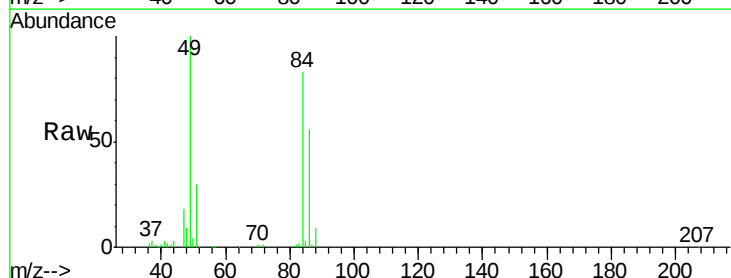
Ion 39.00 (38.70 to 39.70): VNO

Ion 76.00 (75.70 to 76.70): VNO



#18  
Methylene Chloride  
Concen: 10.28 ug/l  
RT: 4.55 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VN049763.D  
Acq: 11 Jul 2018 18:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 120.7 | 95.1  | 142.7 |
| 51      | 36.1  | 28.8  | 43.2  |
| 86      | 67.3  | 52.3  | 78.5  |



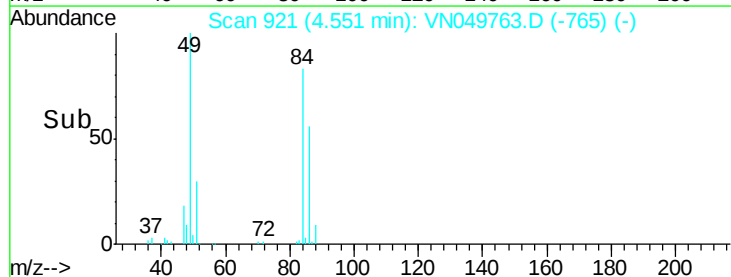
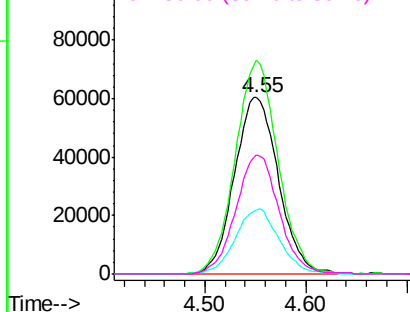
Abundance

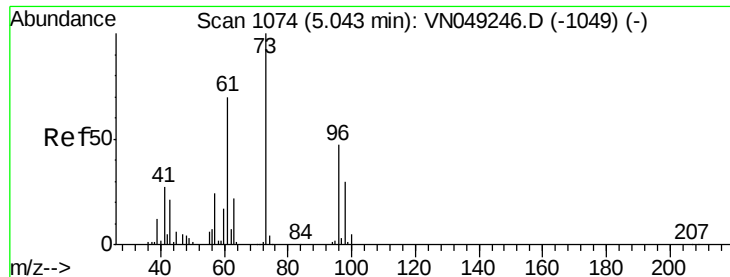
Ion 84.00 (83.70 to 84.70): VNO

Ion 49.00 (48.70 to 49.70): VNO

Ion 51.00 (50.70 to 51.70): VNO

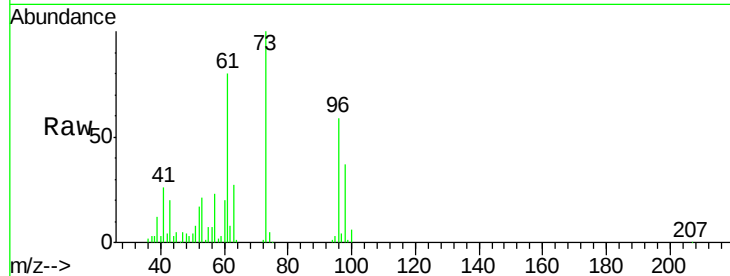
Ion 86.00 (85.70 to 86.70): VNO



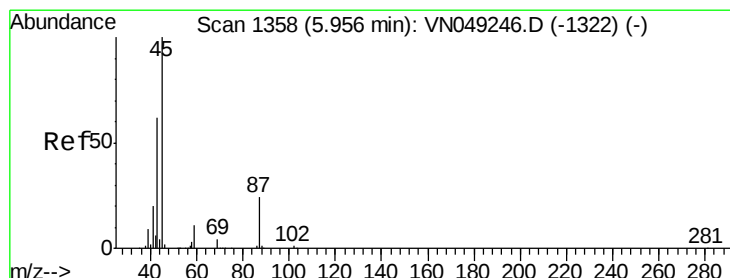
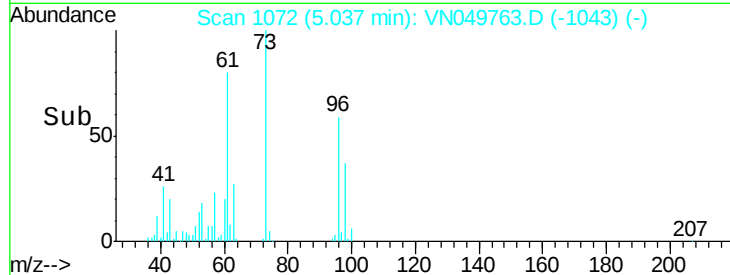
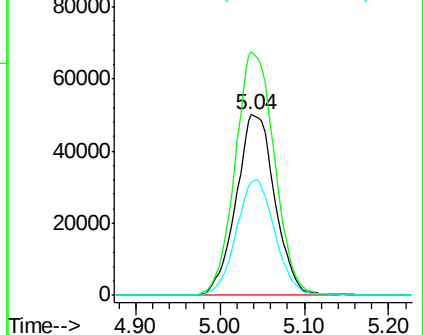


#19  
trans-1,2-Dichloroethene  
Concen: 10.11 ug/l  
RT: 5.04 min Scan# 1072  
Delta R.T. -0.01 min  
Lab File: VN049763.D  
Acq: 11 Jul 2018 18:12

Tot Ion: 96 Resp: 160019  
Ion Ratio Lower Upper  
96 100  
61 135.1 112.1 168.1  
98 63.0 51.3 76.9

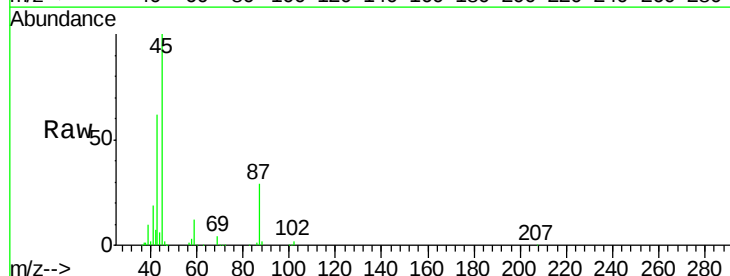


Abundance Ion 96.00 (95.70 to 96.70): VN0  
Ion 61.00 (60.70 to 61.70): VN0  
Ion 98.00 (97.70 to 98.70): VN0

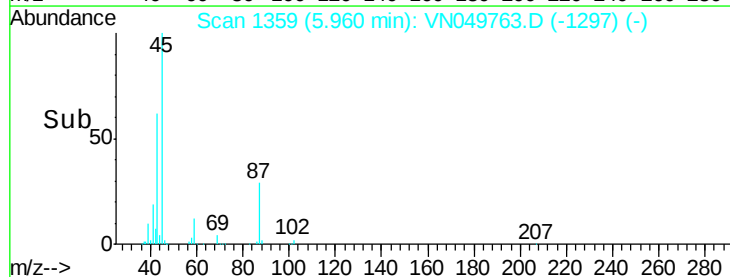
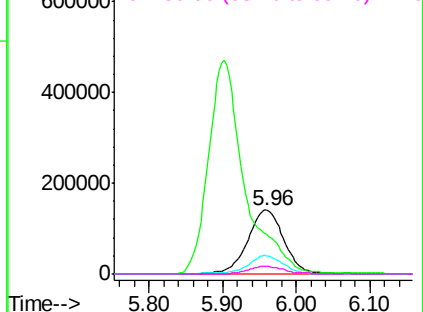


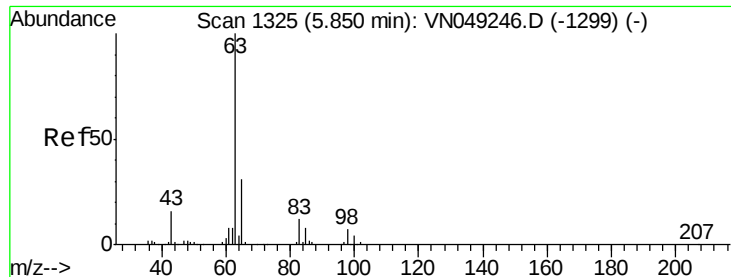
#20  
Diisopropyl ether  
Concen: 10.06 ug/l  
RT: 5.96 min Scan# 1359  
Delta R.T. 0.00 min  
Lab File: VN049763.D  
Acq: 11 Jul 2018 18:12

Tgt Ion: 45 Resp: 480572  
Ion Ratio Lower Upper  
45 100  
43 60.4 46.6 70.0  
87 28.8 22.3 33.5  
59 12.0 9.5 14.3



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





#21

1,1-Dichloroethane

Concen: 10.16 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

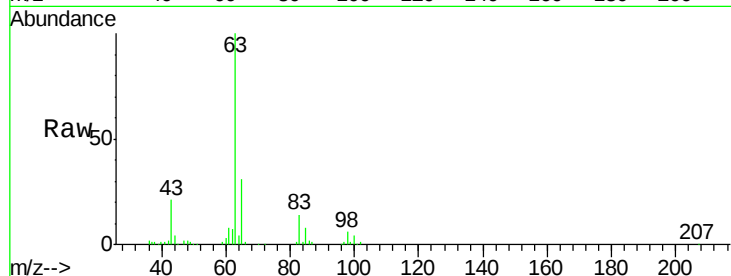
Tot Ion: 63 Resp: 297830

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.6

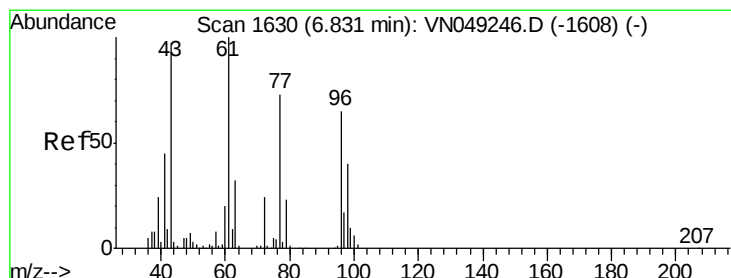
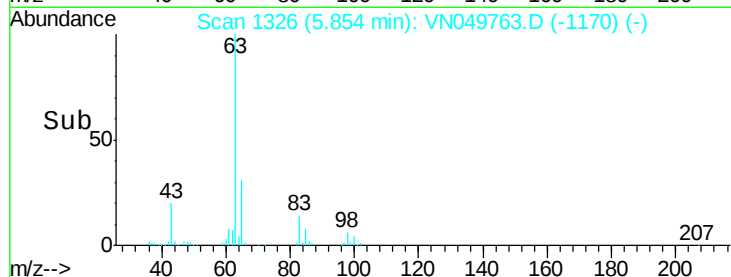
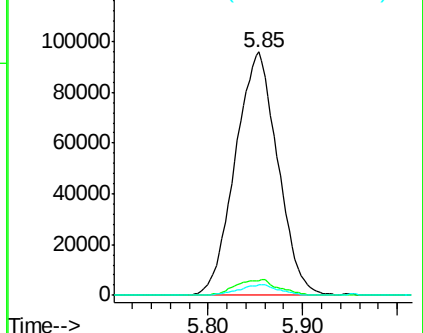
100 4.1 2.3 6.8



Abundance Ion 63.00 (62.70 to 63.70): VN049763.D (-1170) (-)

Ion 98.00 (97.70 to 98.70): VN049763.D (-1170) (-)

Ion 100.00 (99.70 to 100.70): VN049763.D (-1170) (-)



#22

cis-1,2-Dichloroethene

Concen: 9.93 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

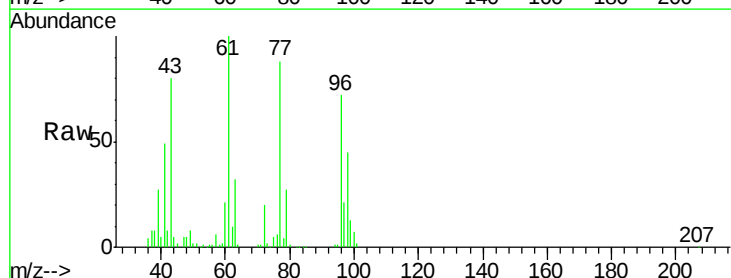
Tgt Ion: 96 Resp: 175046

Ion Ratio Lower Upper

96 100

61 142.3 114.2 171.2

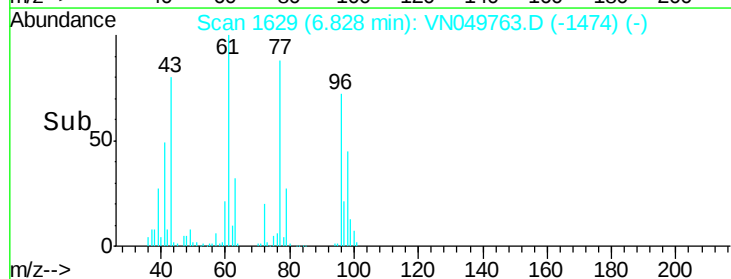
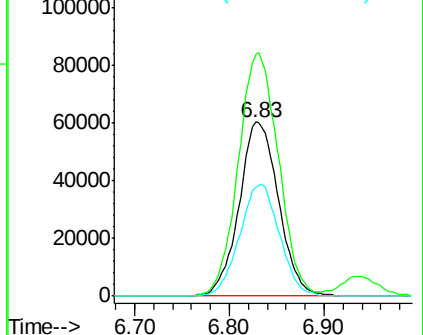
98 64.8 51.7 77.5

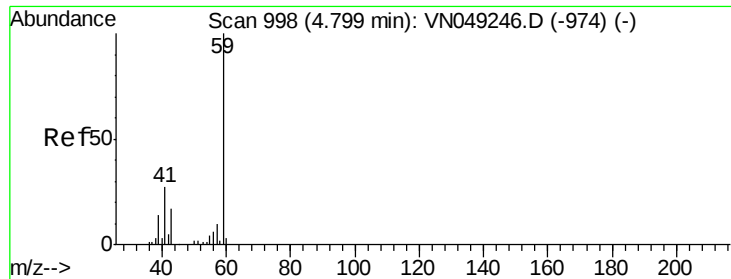


Abundance Ion 96.00 (95.70 to 96.70): VN049763.D (-1474) (-)

Ion 61.00 (60.70 to 61.70): VN049763.D (-1474) (-)

Ion 98.00 (97.70 to 98.70): VN049763.D (-1474) (-)





#23

tert-Butyl Alcohol

Concen: 49.34 ug/l m

RT: 4.81 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN049763.D

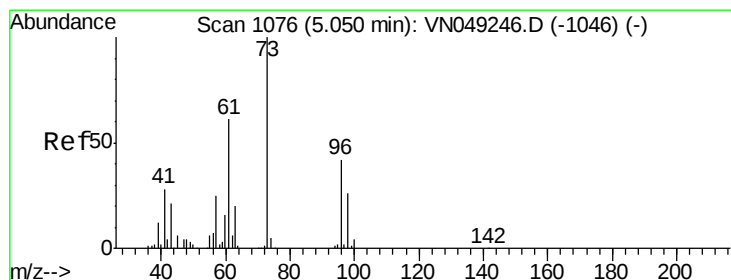
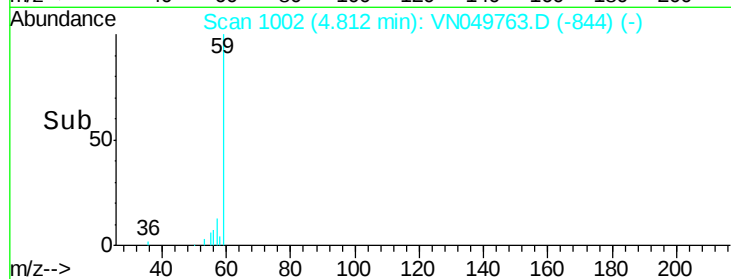
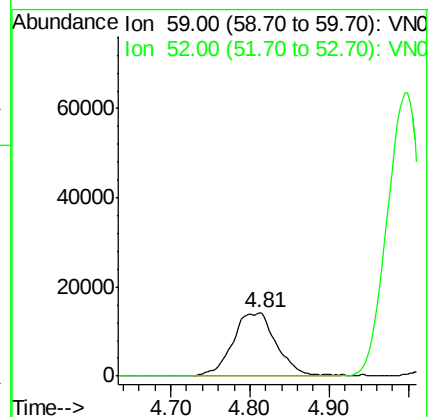
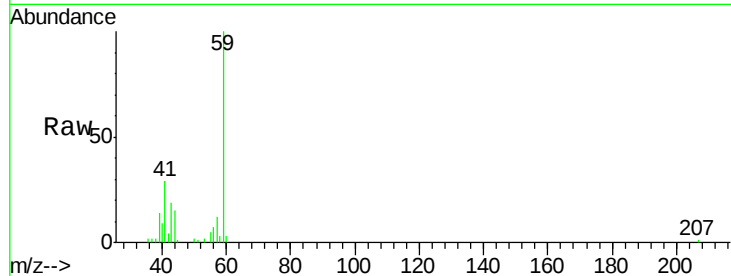
Acq: 11 Jul 2018 18:12

Tot Ion: 59 Resp: 54292

Ion Ratio Lower Upper

59 100

52 0.1 0.1 0.1#



#24

Methyl tert-Butyl Ether

Concen: 9.57 ug/l

RT: 5.05 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VN049763.D

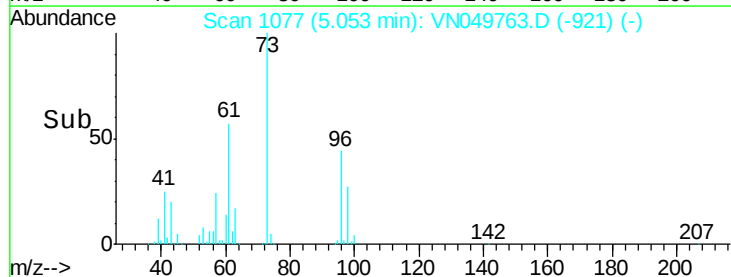
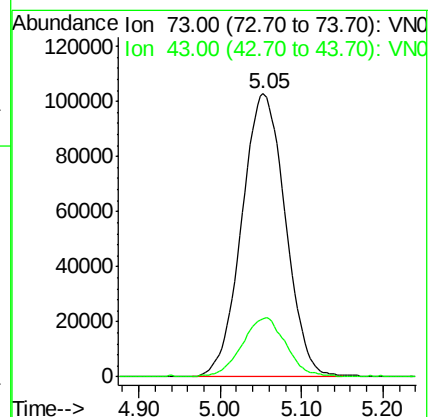
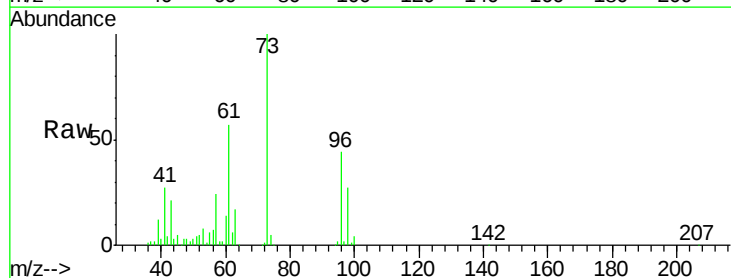
Acq: 11 Jul 2018 18:12

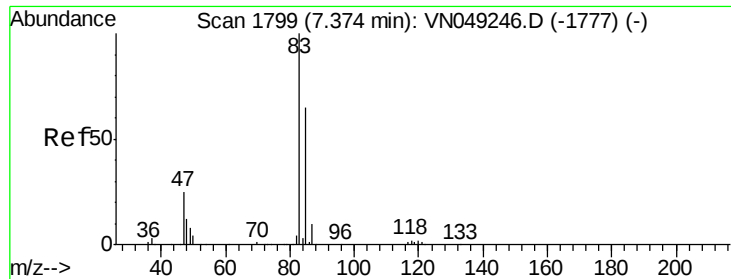
Tgt Ion: 73 Resp: 381667

Ion Ratio Lower Upper

73 100

43 20.3 15.5 23.3





#25

Chloroform

Concen: 10.34 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN049763.D

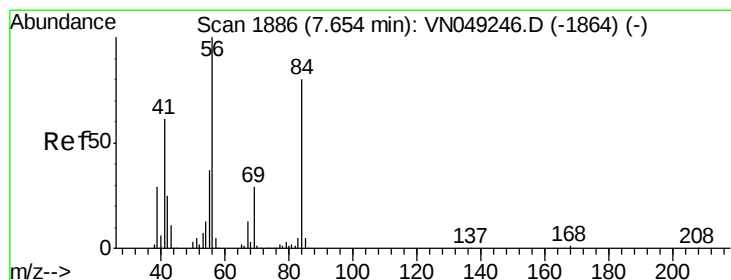
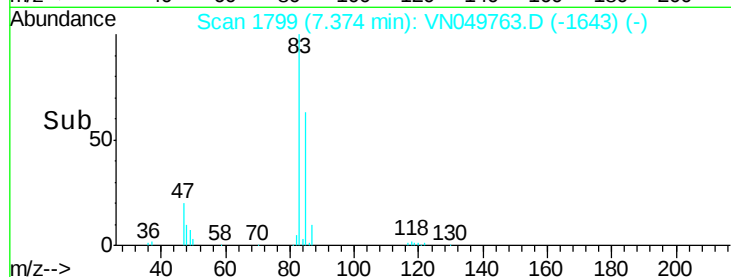
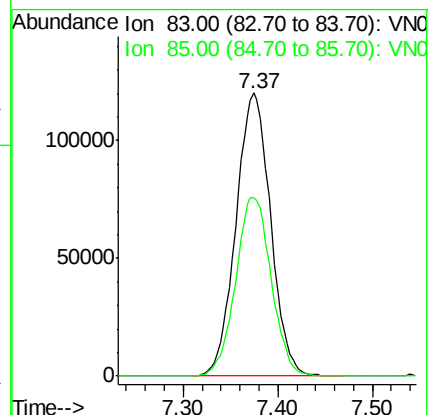
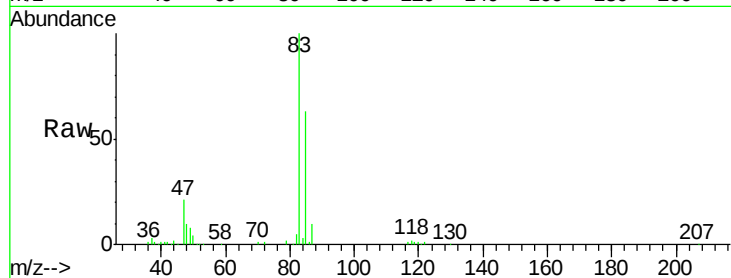
Acq: 11 Jul 2018 18:12

Tot Ion: 83 Resp: 306162

Ion Ratio Lower Upper

83 100

85 63.1 52.1 78.1



#26

Cyclohexane

Concen: 9.42 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

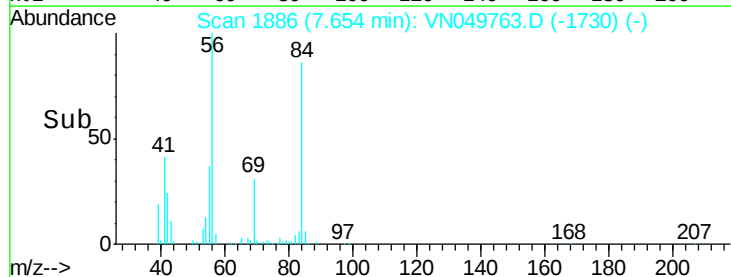
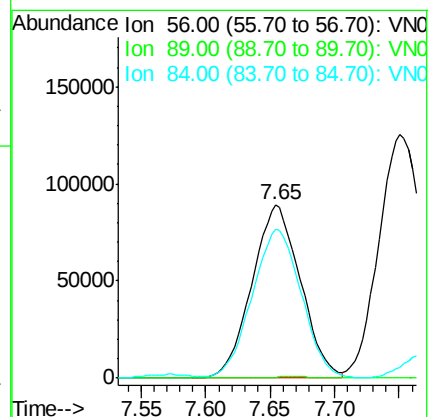
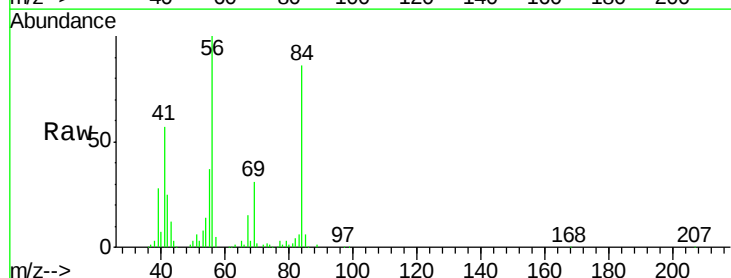
Tgt Ion: 56 Resp: 233171

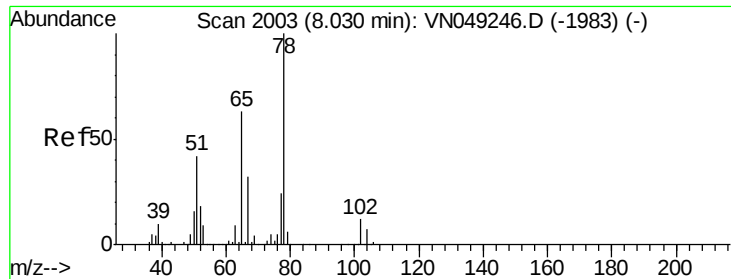
Ion Ratio Lower Upper

56 100

89 0.7 3.0 4.4#

84 87.7 69.8 104.8





#27

1,2-Dichloroethane-d4

Concen: 30.97 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049763.D

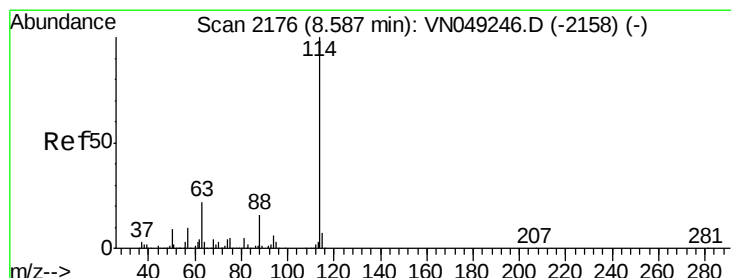
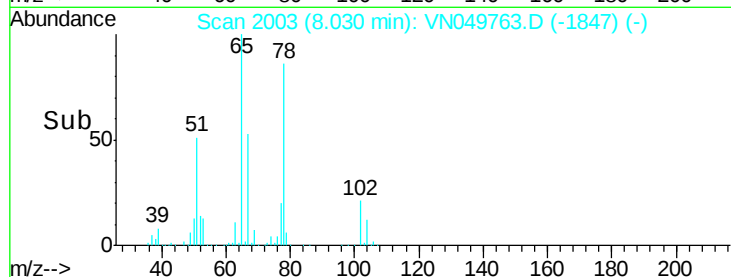
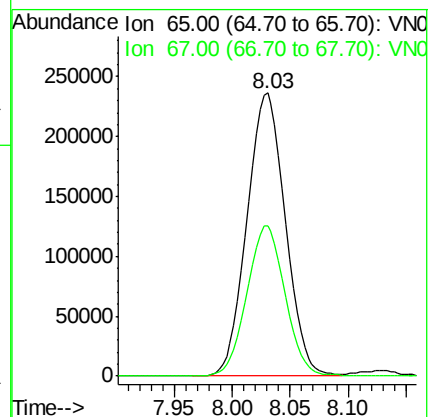
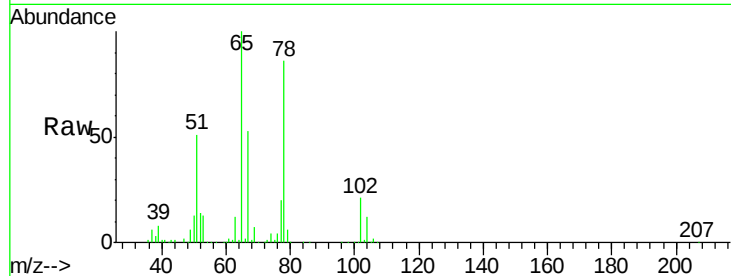
Acq: 11 Jul 2018 18:12

Tot Ion: 65 Resp: 546463

Ion Ratio Lower Upper

65 100

67 52.8 42.7 64.1



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

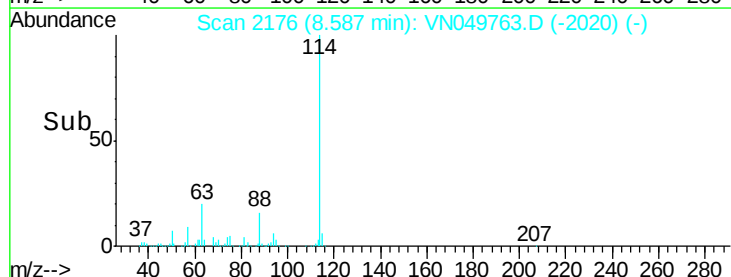
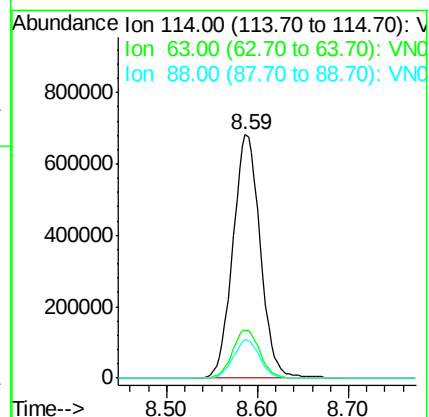
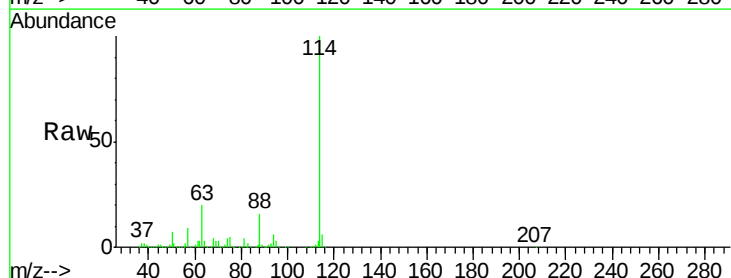
Tgt Ion: 114 Resp: 1426008

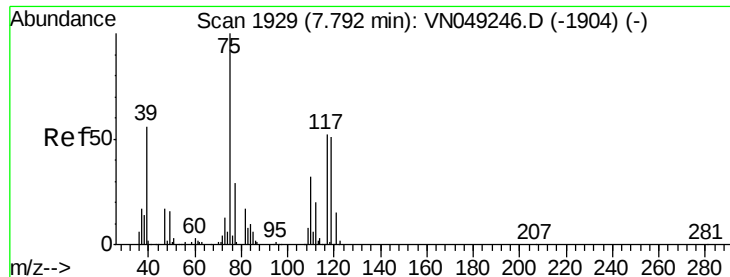
Ion Ratio Lower Upper

114 100

63 19.7 16.2 24.2

88 15.3 12.3 18.5





#29

1,1-Dichloropropene

Concen: 9.63 ug/l

RT: 7.80 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

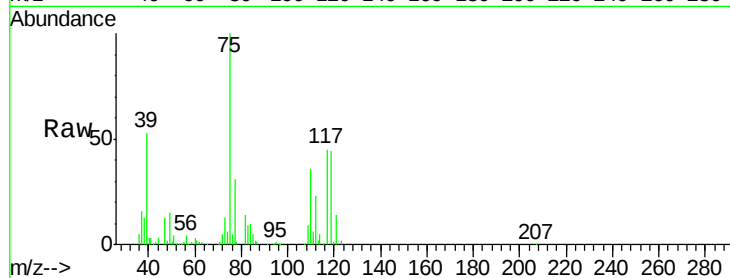
Tot Ion: 75 Resp: 218608

Ion Ratio Lower Upper

75 100

110 36.0 0.0 73.2

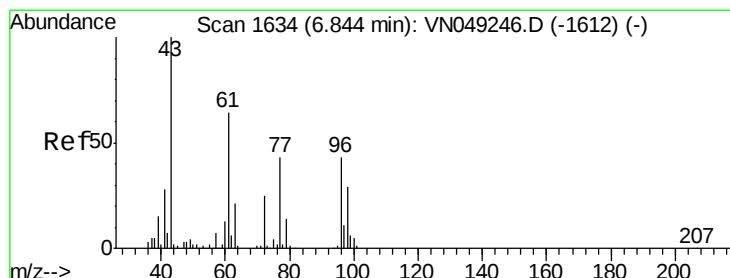
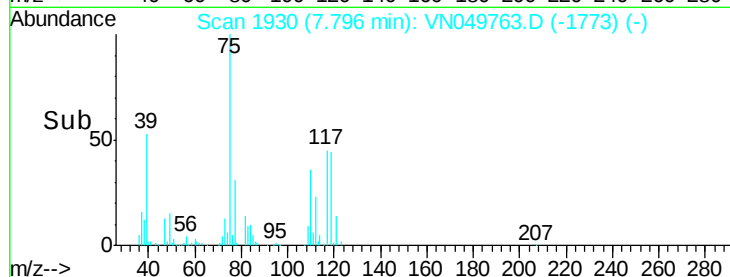
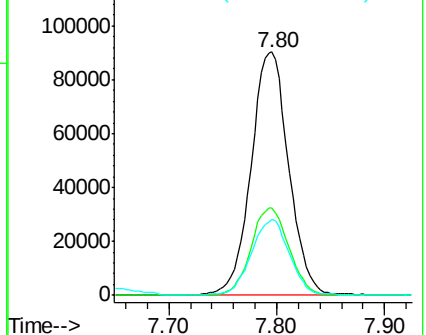
77 30.9 0.0 62.0



Abundance Ion 75.00 (74.70 to 75.70): VN049763.D (-1773) (-)

Ion 110.00 (109.70 to 110.70): VN049763.D (-1773) (-)

Ion 77.00 (76.70 to 77.70): VN049763.D (-1773) (-)



#30

2-Butanone

Concen: 45.95 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

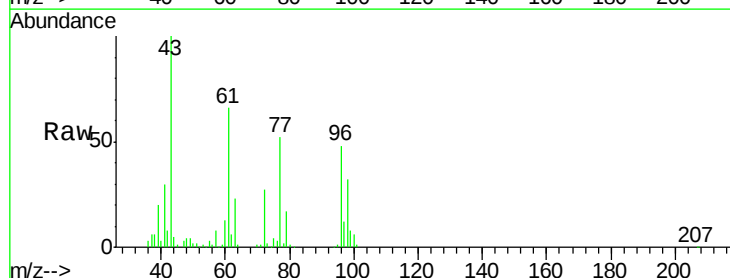
Tgt Ion: 43 Resp: 290480

Ion Ratio Lower Upper

43 100

57 8.3 6.8 10.2

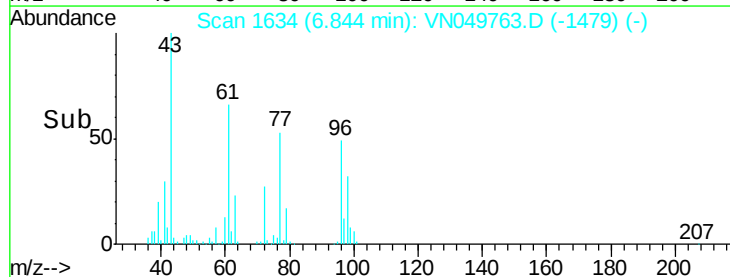
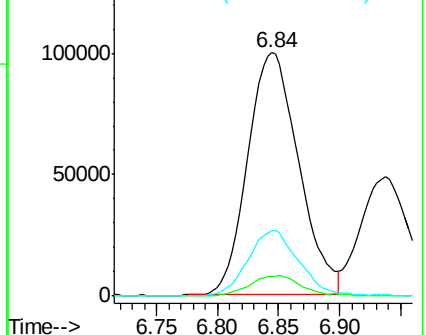
72 27.2 21.4 32.0

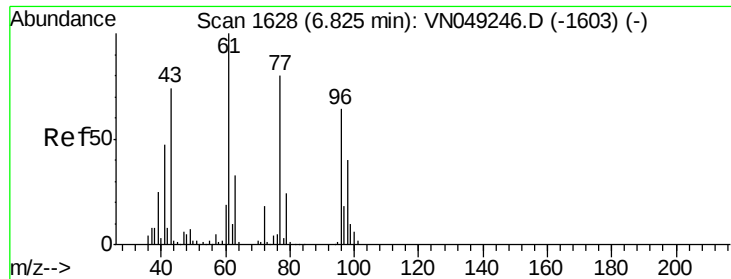


Abundance Ion 43.00 (42.70 to 43.70): VN049763.D (-1479) (-)

Ion 57.00 (56.70 to 57.70): VN049763.D (-1479) (-)

Ion 72.00 (71.70 to 72.70): VN049763.D (-1479) (-)





#31

2,2-Dichloropropane

Concen: 9.47 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049763.D

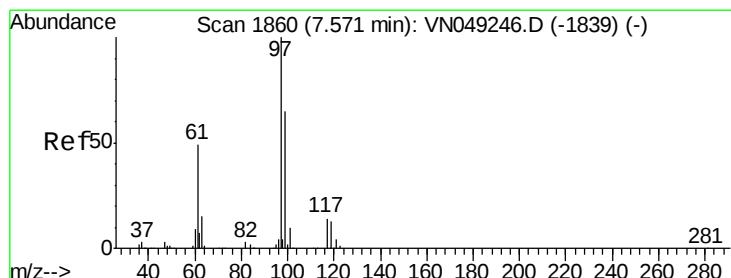
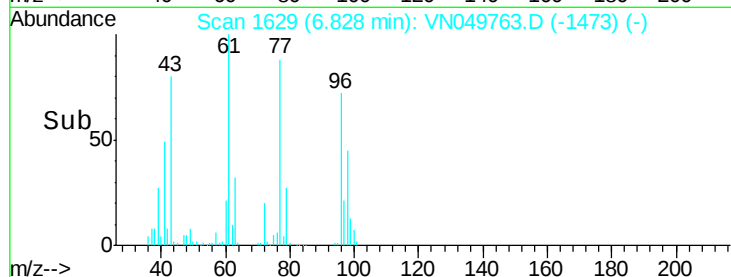
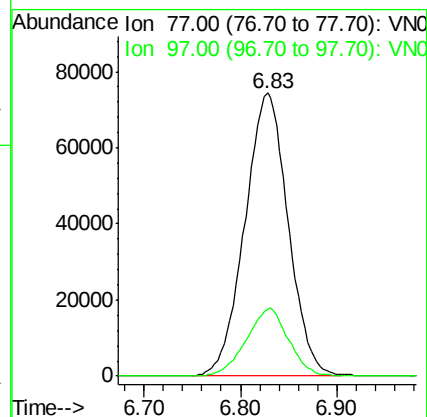
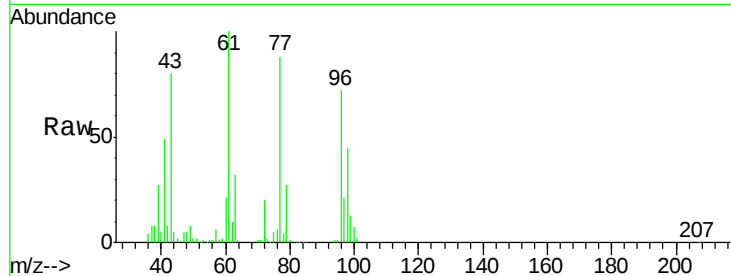
Acq: 11 Jul 2018 18:12

Tot Ion: 77 Resp: 230516

Ion Ratio Lower Upper

77 100

97 23.5 18.9 28.3



#32

1,1,1-Trichloroethane

Concen: 9.93 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

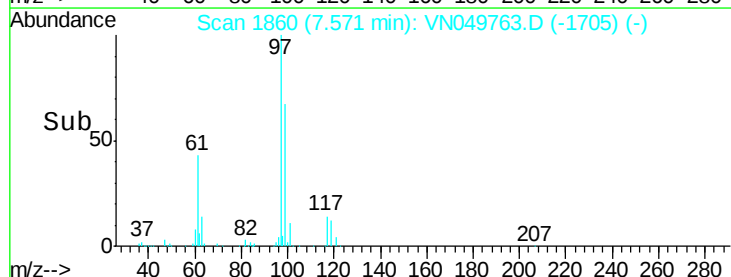
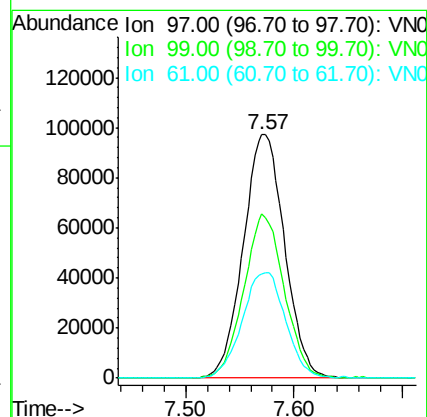
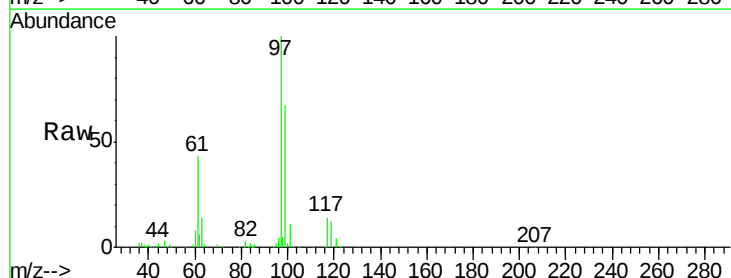
Tgt Ion: 97 Resp: 259119

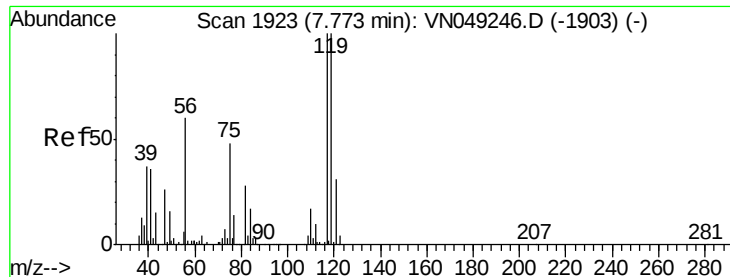
Ion Ratio Lower Upper

97 100

99 65.9 51.2 76.8

61 45.2 35.3 52.9





#33

Carbon Tetrachloride

Concen: 9.85 ug/l

RT: 7.78 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

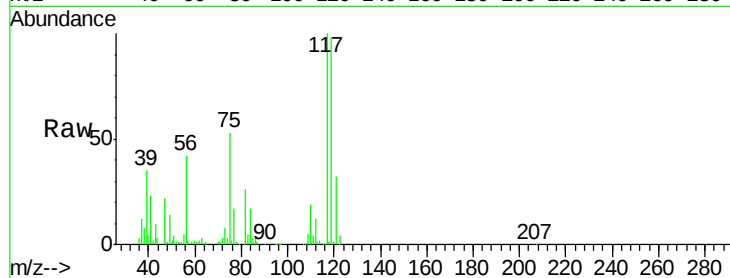
Tot Ion:117 Resp: 227875

Ion Ratio Lower Upper

117 100

119 98.4 76.9 115.3

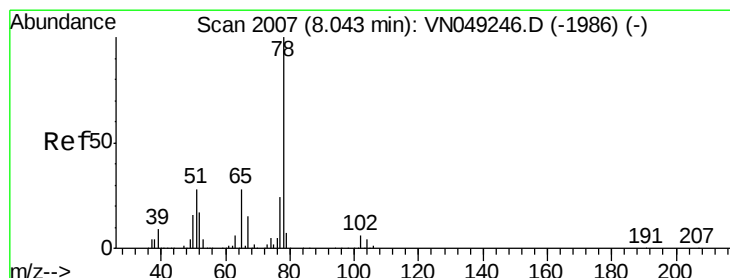
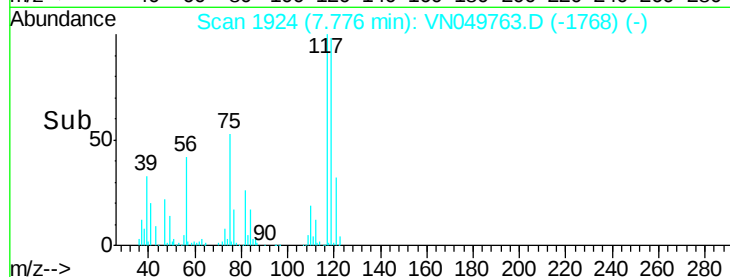
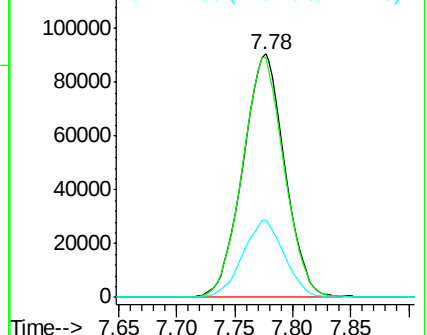
121 31.8 24.4 36.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 9.88 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

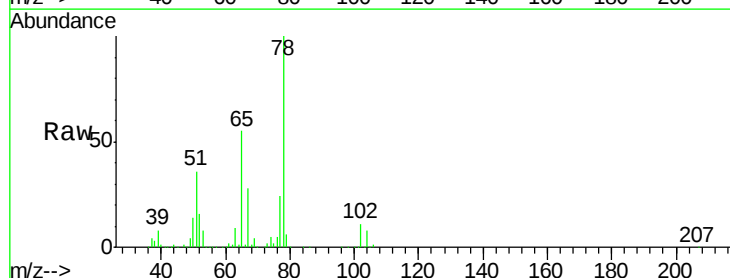
Tgt Ion: 78 Resp: 672235

Ion Ratio Lower Upper

78 100

77 24.3 19.1 28.7

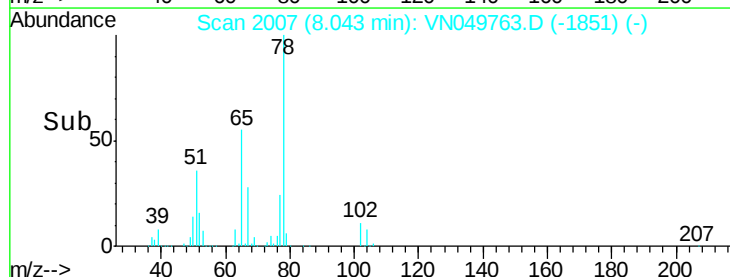
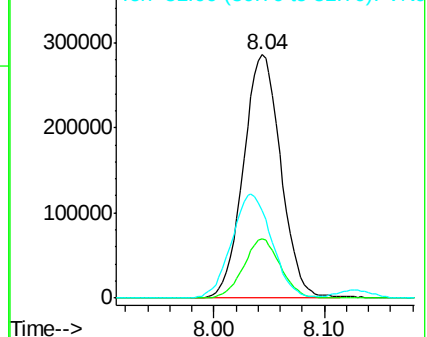
51 35.8 21.0 31.4#

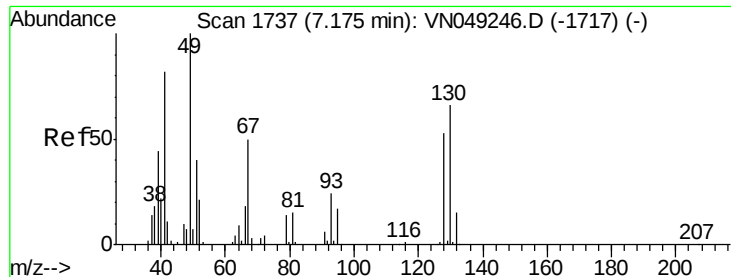


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

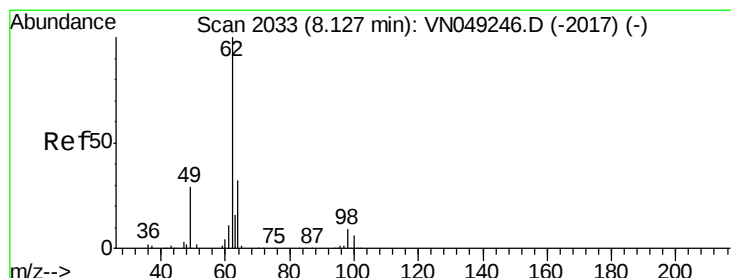
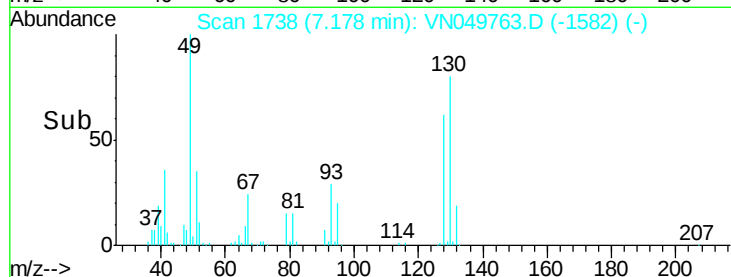
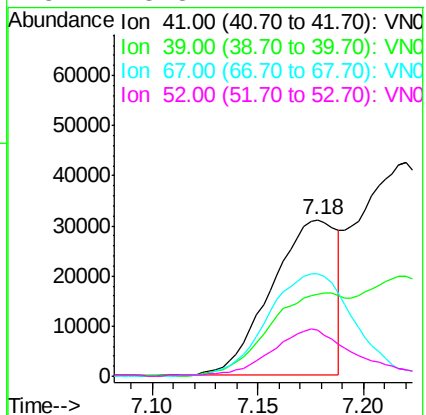
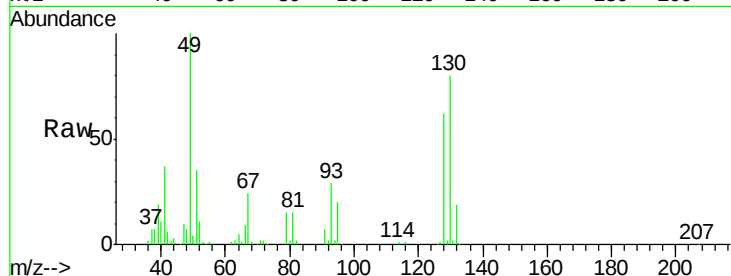
Ion 51.00 (50.70 to 51.70): V





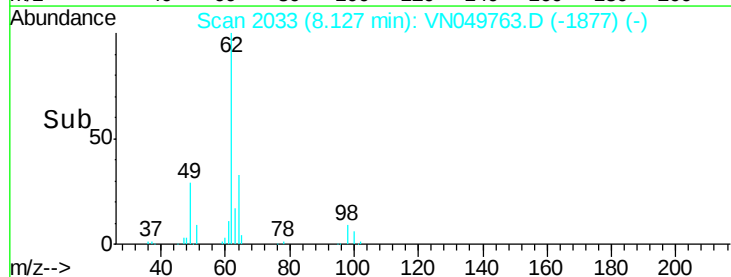
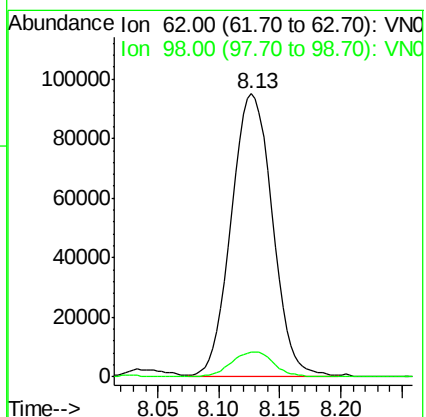
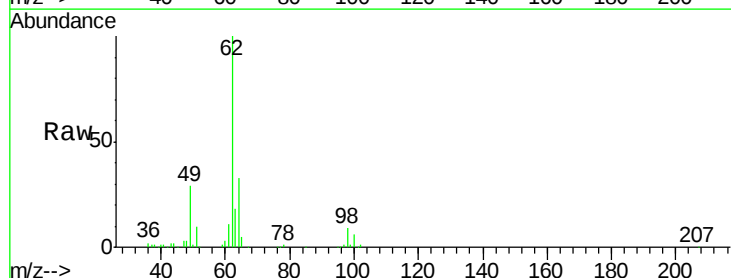
#35  
Methacrylonitrile  
Concen: 9.22 ug/l  
RT: 7.18 min Scan# 1738  
Delta R.T. 0.00 min  
Lab File: VN049763.D  
Acq: 11 Jul 2018 18:12

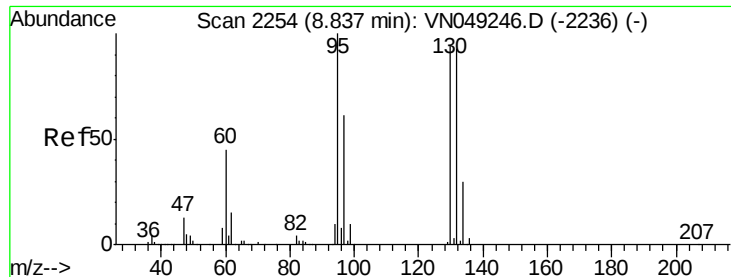
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 52.6  | 27.6  | 82.7  |
| 67      | 65.0  | 35.1  | 105.5 |
| 52      | 28.8  | 14.1  | 42.4  |



#36  
1,2-Dichloroethane  
Concen: 10.23 ug/l  
RT: 8.13 min Scan# 2033  
Delta R.T. 0.00 min  
Lab File: VN049763.D  
Acq: 11 Jul 2018 18:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 9.2   | 7.8   | 11.6  |





#37

Trichloroethene

Concen: 10.18 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049763.D

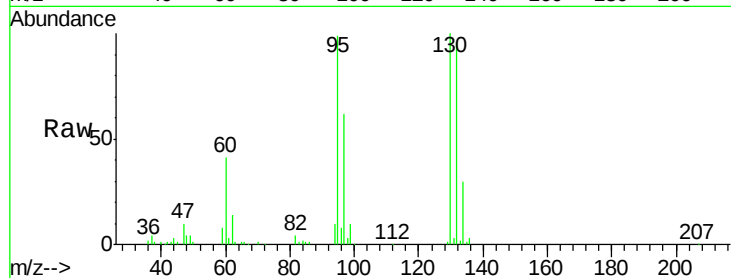
Acq: 11 Jul 2018 18:12

Tot Ion:130 Resp: 180482

Ion Ratio Lower Upper

130 100

95 99.1 79.7 119.5



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN0

8.84

100000

80000

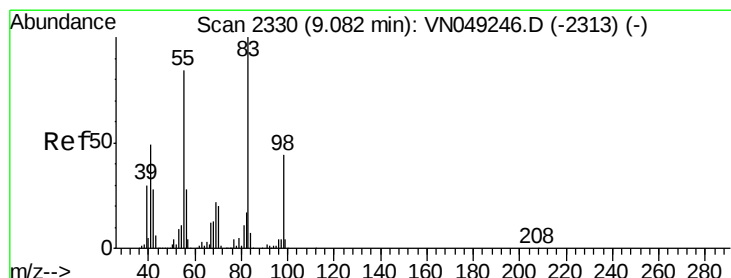
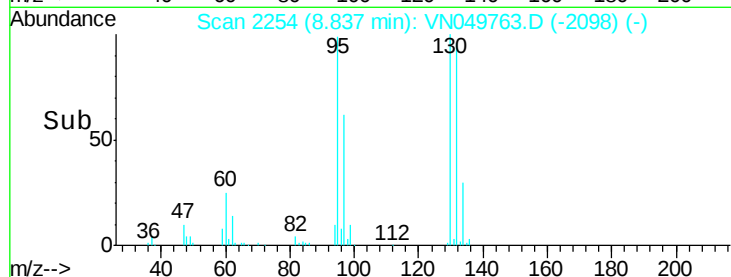
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 9.12 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

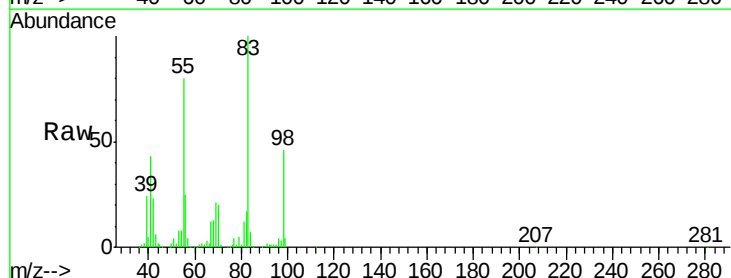
Tgt Ion: 83 Resp: 222942

Ion Ratio Lower Upper

83 100

55 80.3 39.3 117.8

98 45.7 23.0 69.0



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

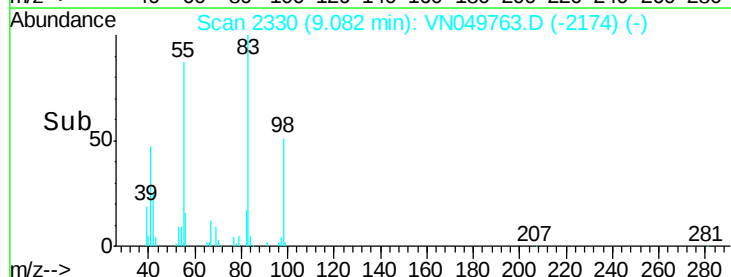
9.08

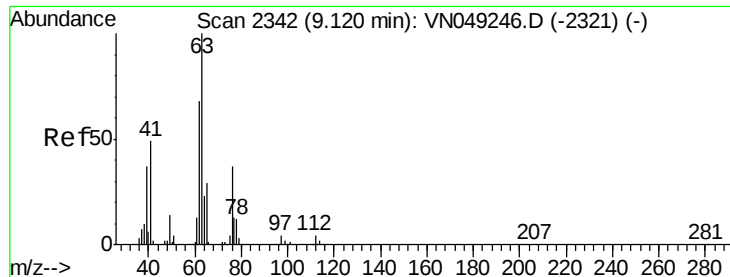
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 10.12 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN049763.D

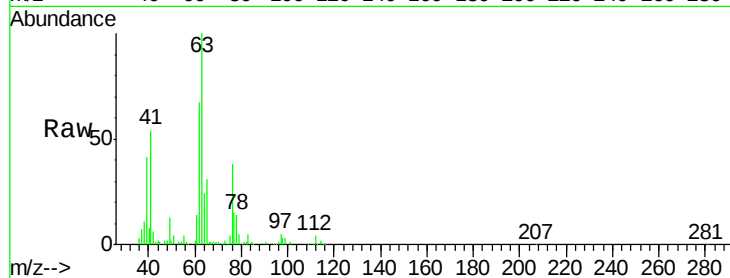
Acq: 11 Jul 2018 18:12

Tot Ion: 63 Resp: 178852

Ion Ratio Lower Upper

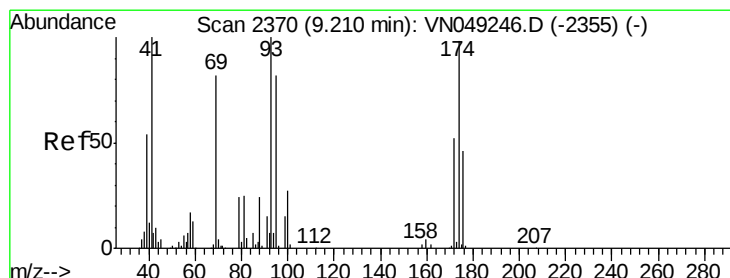
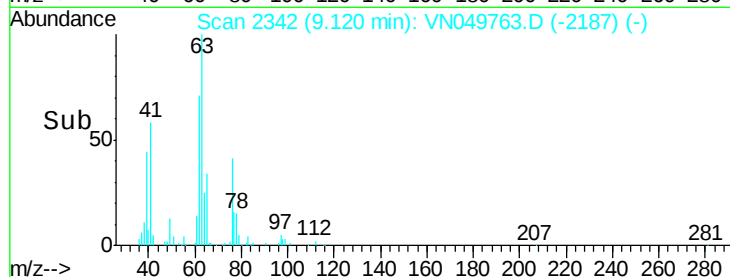
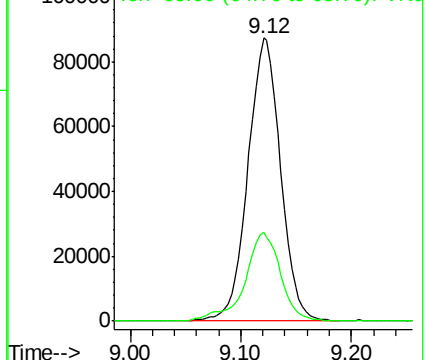
63 100

65 31.0 24.2 36.2



Abundance Ion 63.00 (62.70 to 63.70): VN049763.D (-2187) (-)

Ion 65.00 (64.70 to 65.70): VN049763.D (-2187) (-)



#40

Dibromomethane

Concen: 10.02 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

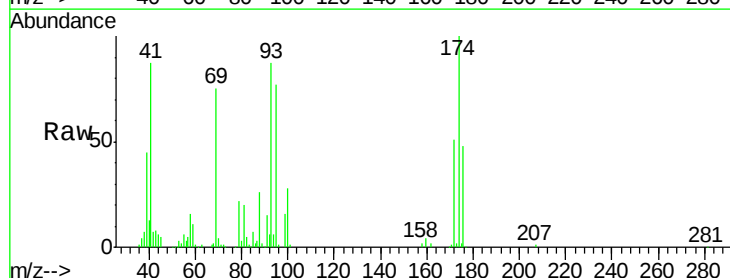
Tgt Ion: 93 Resp: 106416

Ion Ratio Lower Upper

93 100

95 85.7 0.0 165.6

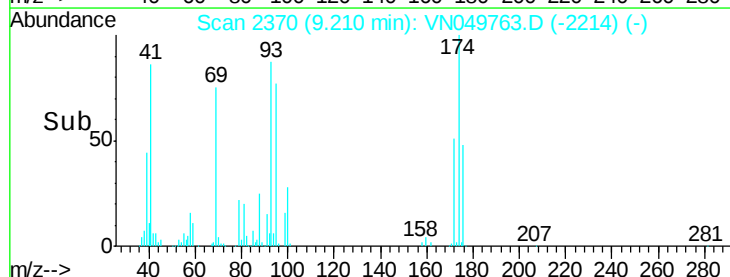
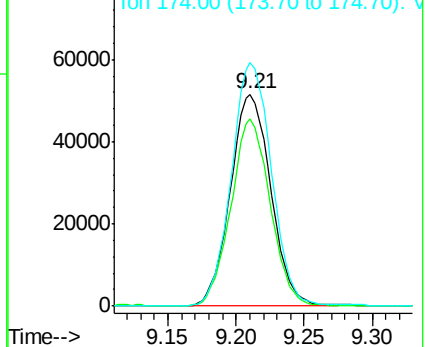
174 113.5 0.0 223.2

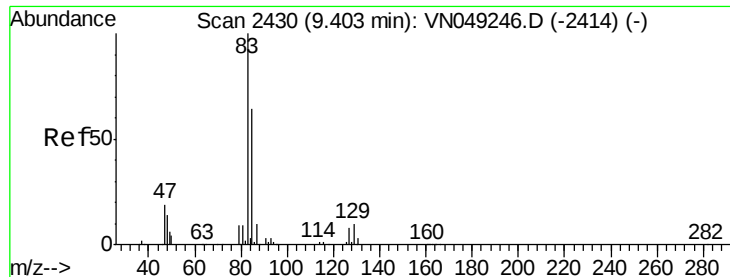


Abundance Ion 93.00 (92.70 to 93.70): VN049763.D (-2214) (-)

Ion 95.00 (94.70 to 95.70): VN049763.D (-2214) (-)

Ion 174.00 (173.70 to 174.70): VN049763.D (-2214) (-)





#41

Bromodichloromethane

Concen: 10.06 ug/l

RT: 9.40 min Scan# 2430

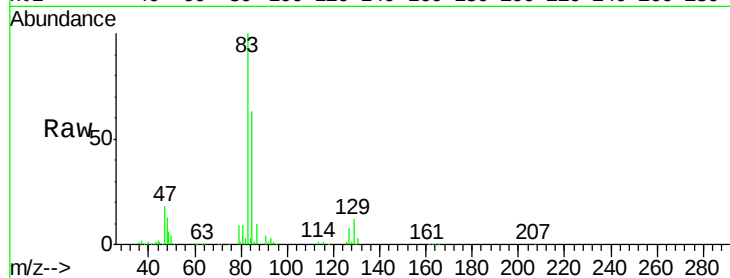
Delta R.T. -0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

Tot Ion: 83 Resp: 229804

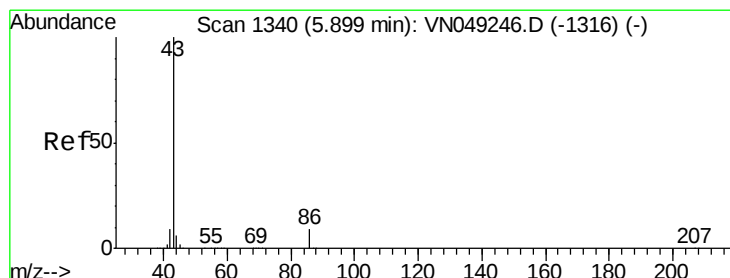
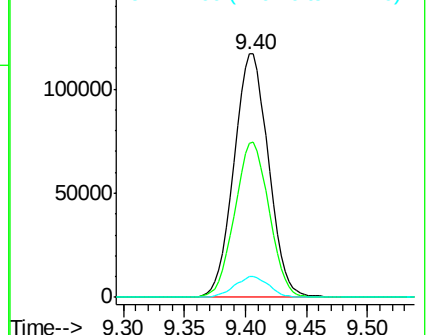
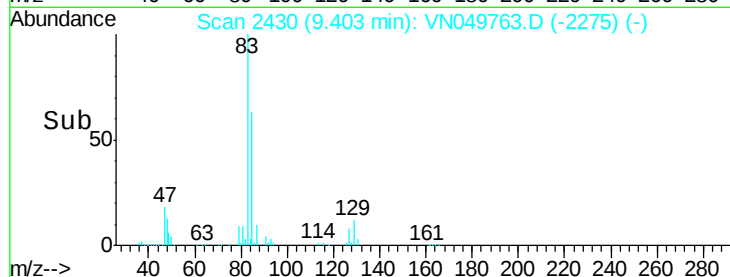
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 63.3  | 52.6  | 78.8  |
| 127 | 8.5   | 7.0   | 10.4  |



Abundance Ion 83.00 (82.70 to 83.70): VN049763.D (-2275) (-)

Ion 85.00 (84.70 to 85.70): VN049763.D (-2275) (-)

Ion 127.00 (126.70 to 127.70): VN049763.D (-2275) (-)



#42

Vinyl Acetate

Concen: 47.98 ug/l

RT: 5.90 min Scan# 1341

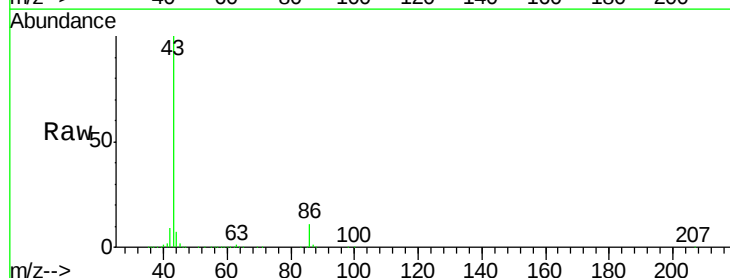
Delta R.T. 0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

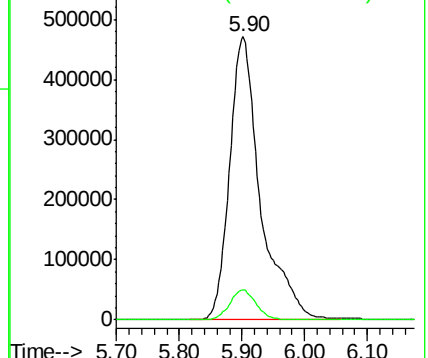
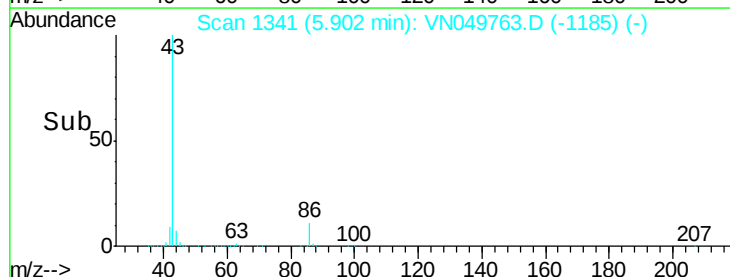
Tgt Ion: 43 Resp: 1609775

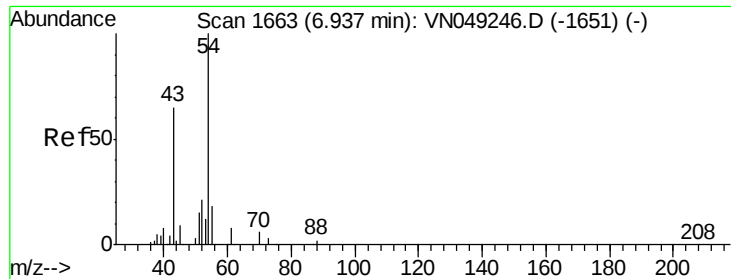
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 9.0   | 7.3   | 10.9  |



Abundance Ion 43.00 (42.70 to 43.70): VN049763.D (-1185) (-)

Ion 86.00 (85.70 to 86.70): VN049763.D (-1185) (-)





#43

Ethyl Acetate

Concen: 9.95 ug/l

RT: 6.94 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VN049763.D

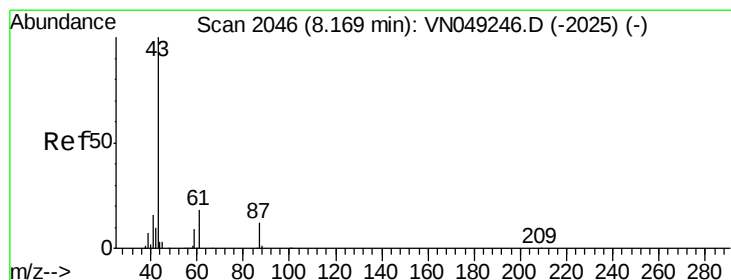
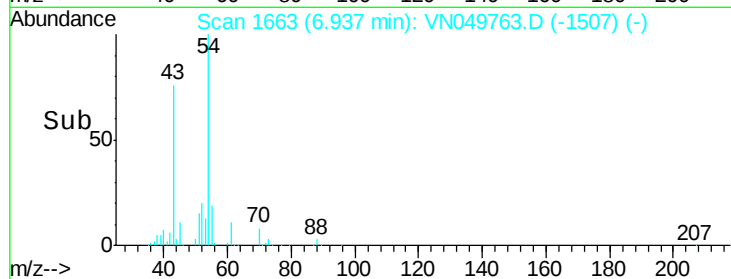
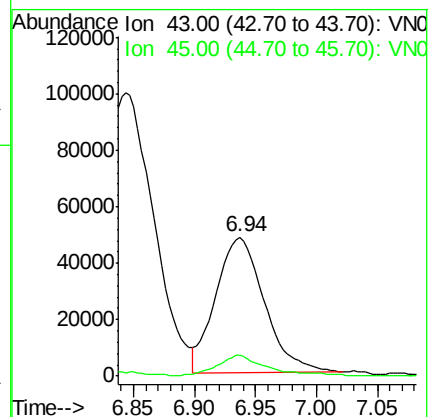
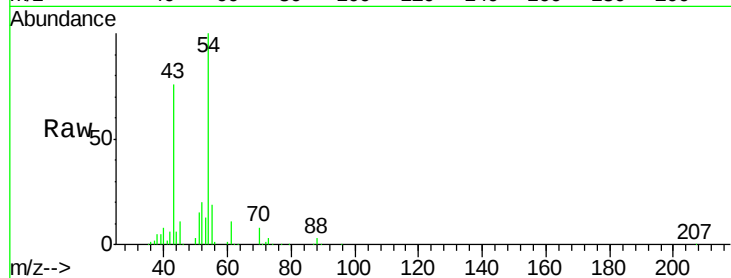
Acq: 11 Jul 2018 18:12

Tot Ion: 43 Resp: 132852

Ion Ratio Lower Upper

43 100

45 14.0 13.0 19.6



#44

Isopropyl Acetate

Concen: 9.74 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049763.D

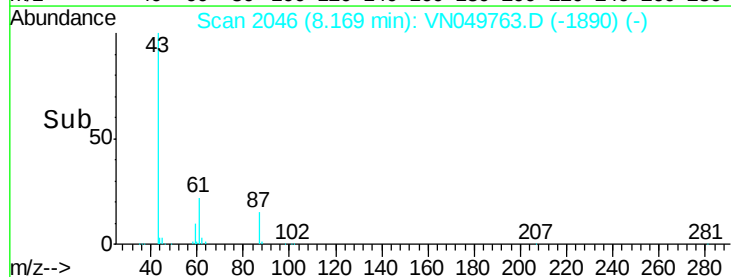
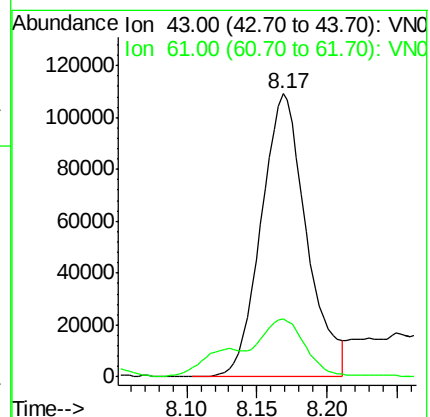
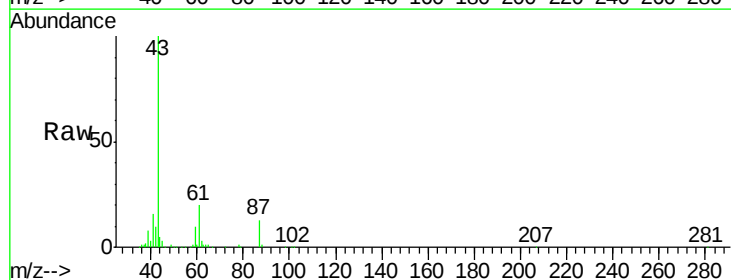
Acq: 11 Jul 2018 18:12

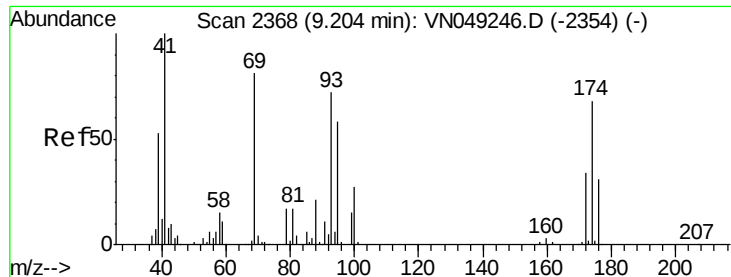
Tgt Ion: 43 Resp: 243054

Ion Ratio Lower Upper

43 100

61 19.4 16.4 24.6





#45

1,4-Dioxane

Concen: 200.55 ug/l

RT: 9.21 min Scan# 2369

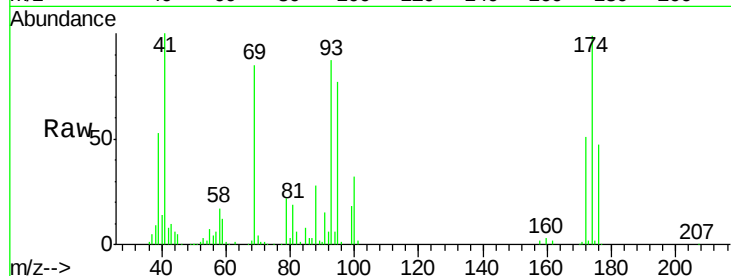
Delta R.T. 0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

Tot Ion: 88 Resp: 32956

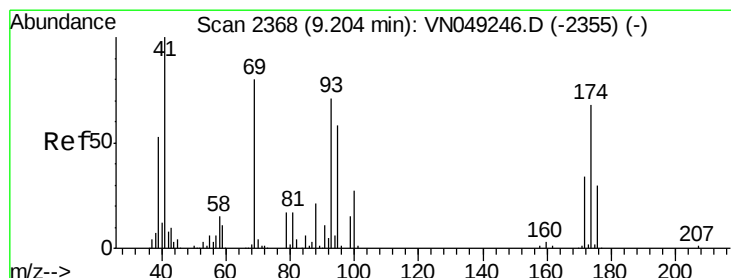
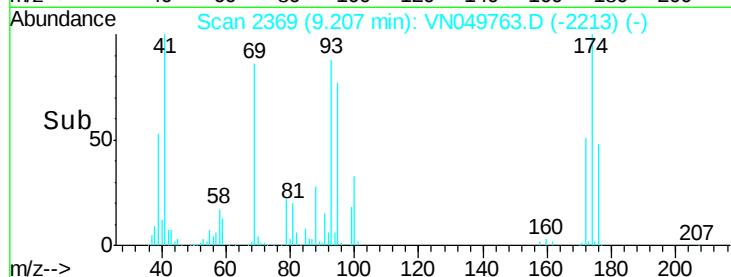
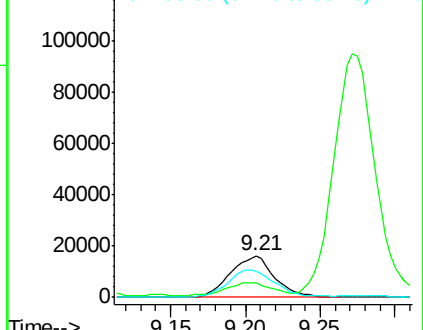
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 25.6  | 26.9  | 40.3# |
| 58  | 70.3  | 53.6  | 80.4  |



Abundance Ion 88.00 (87.70 to 88.70): VN049763.D (-2213) (-)

Ion 43.00 (42.70 to 43.70): VN049763.D (-2213) (-)

Ion 58.00 (57.70 to 58.70): VN049763.D (-2213) (-)



#46

Methyl methacrylate

Concen: 9.07 ug/l

RT: 9.20 min Scan# 2367

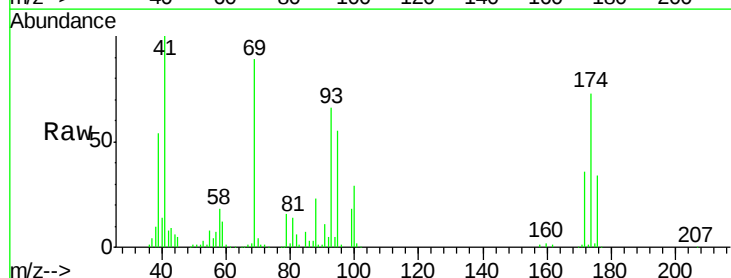
Delta R.T. -0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

Tgt Ion: 41 Resp: 113556

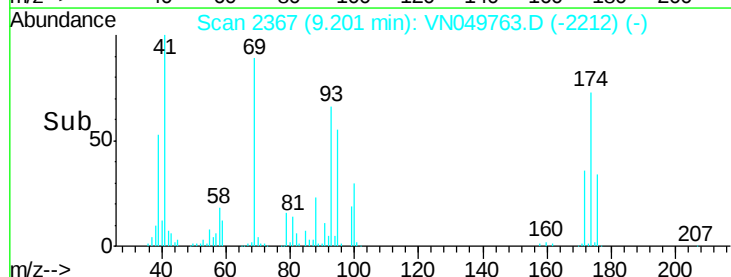
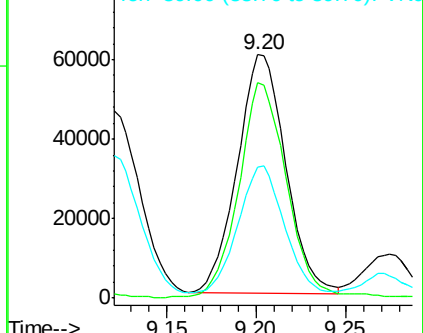
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 69  | 90.1  | 44.0  | 132.1 |
| 39  | 52.8  | 27.0  | 80.8  |

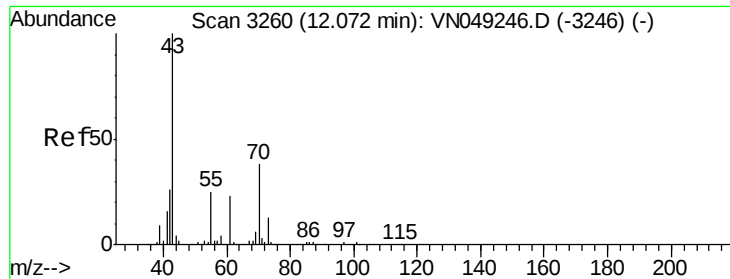


Abundance Ion 41.00 (40.70 to 41.70): VN049763.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN049763.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN049763.D (-2212) (-)





#47

n-amvl Acetate

Concen: 8.87 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049763.D

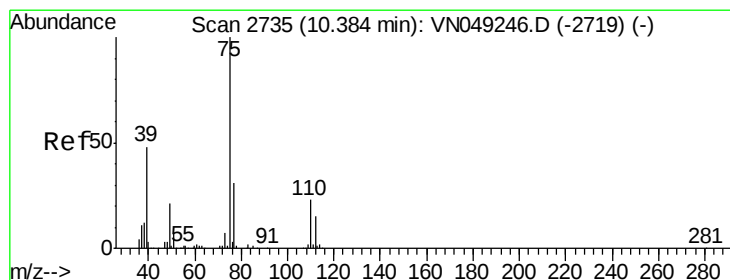
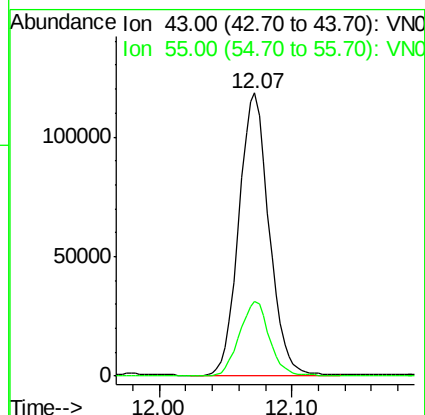
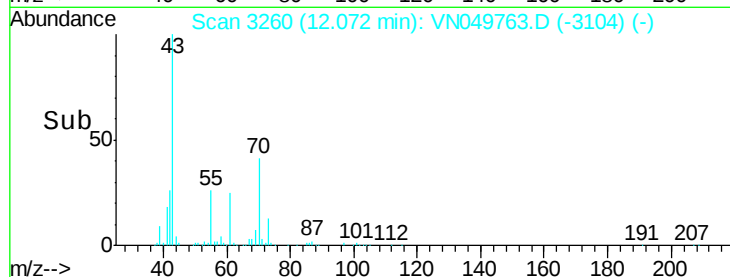
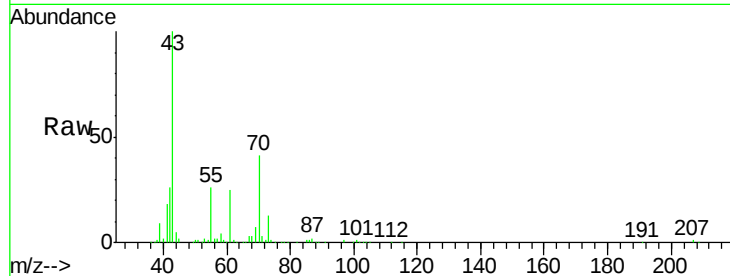
Acq: 11 Jul 2018 18:12

Tot Ion: 43 Resp: 186402

Ion Ratio Lower Upper

43 100

55 26.5 21.0 31.4



#48

t-1,3-Dichloropropene

Concen: 9.35 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049763.D

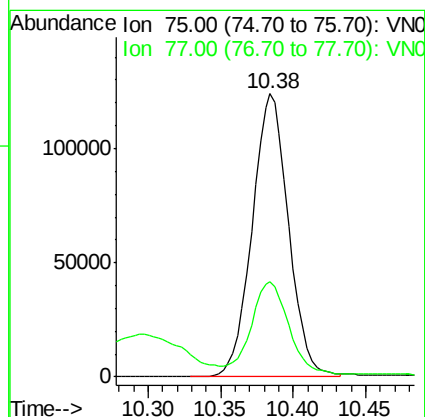
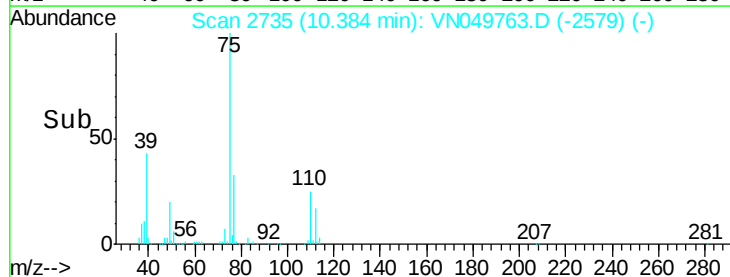
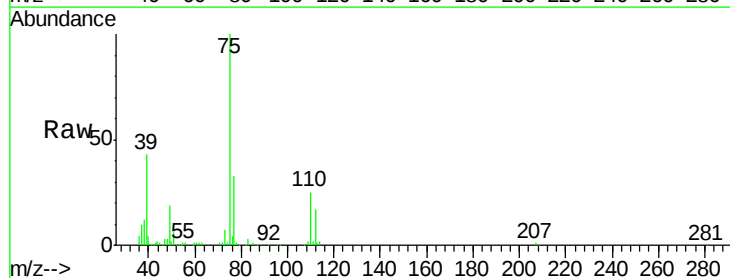
Acq: 11 Jul 2018 18:12

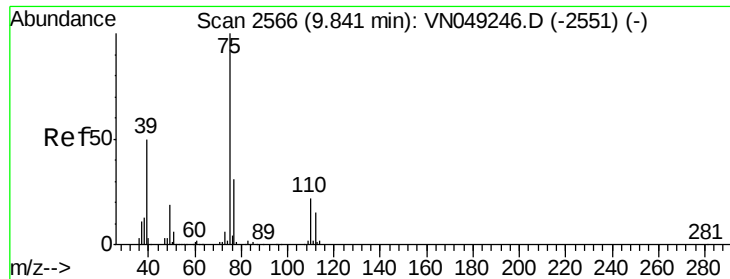
Tgt Ion: 75 Resp: 215211

Ion Ratio Lower Upper

75 100

77 32.4 24.6 37.0

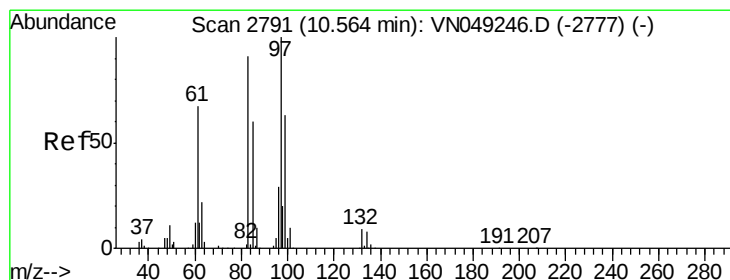
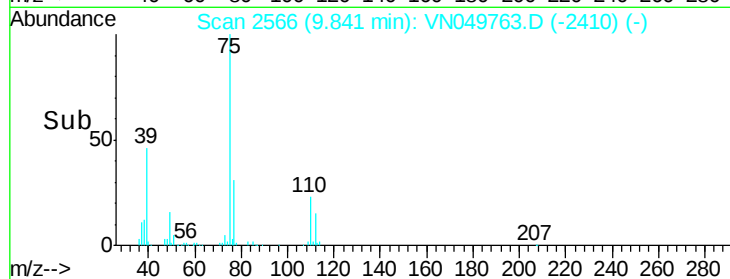
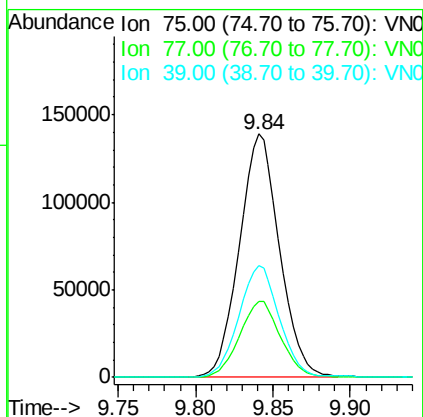
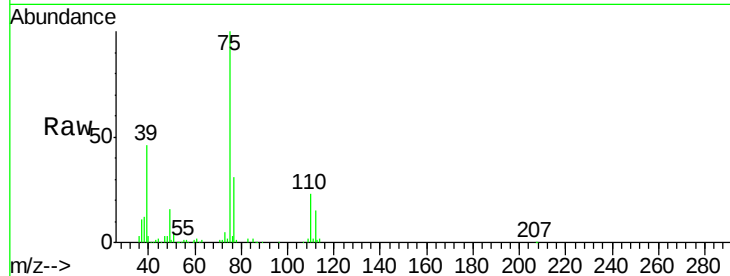




#49

cis-1,3-Dichloropropene  
 Concen: 9.45 ug/l  
 RT: 9.84 min Scan# 2566  
 Delta R.T. 0.00 min  
 Lab File: VN049763.D  
 Acq: 11 Jul 2018 18:12

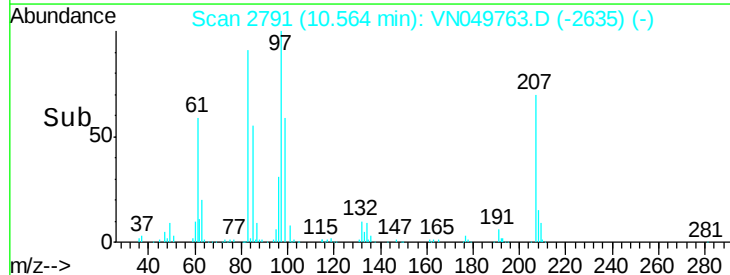
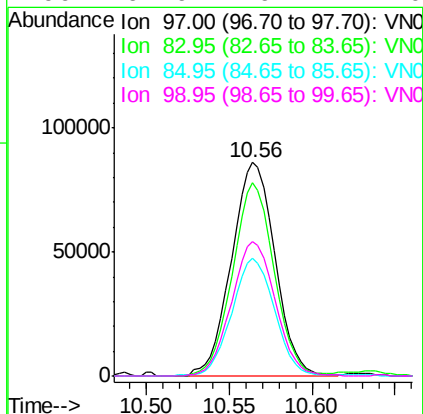
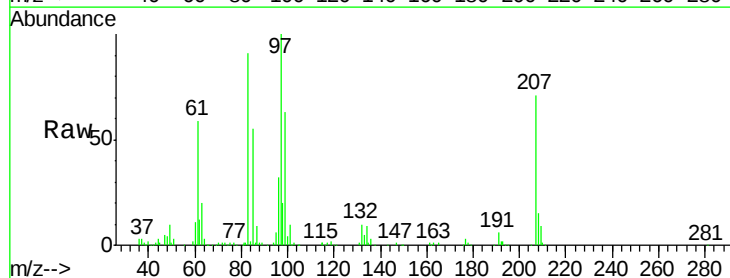
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.3  | 25.7  | 38.5  |
| 39      | 45.9  | 36.3  | 54.5  |

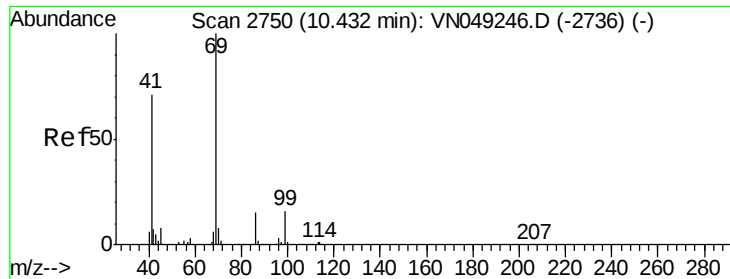


#50

1,1,2-Trichloroethane  
 Concen: 10.17 ug/l  
 RT: 10.56 min Scan# 2791  
 Delta R.T. 0.00 min  
 Lab File: VN049763.D  
 Acq: 11 Jul 2018 18:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 90.2  | 68.1  | 102.1 |
| 85      | 54.5  | 45.4  | 68.2  |
| 99      | 62.9  | 49.4  | 74.0  |





#51

Ethyl methacrylate

Concen: 9.10 ug/l

RT: 10.43 min Scan# 2750

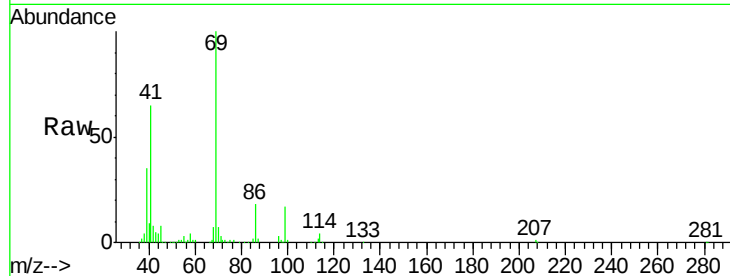
Delta R.T. 0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

Tot Ion: 69 Resp: 171569

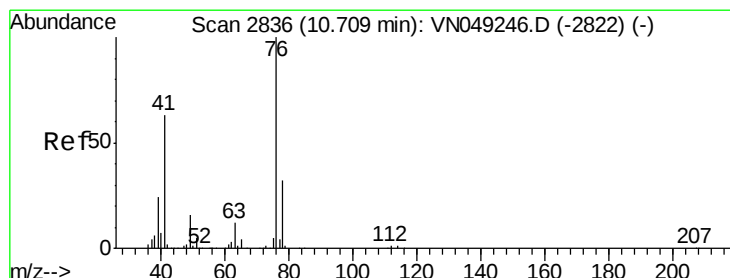
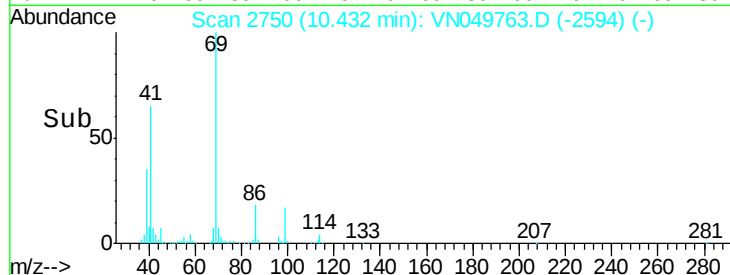
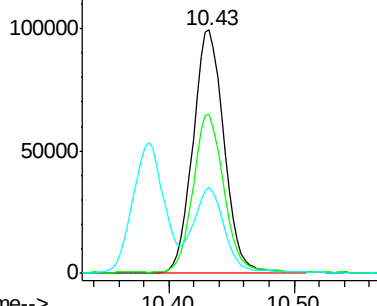
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 64.6  | 31.9  | 95.9  |
| 39  | 35.0  | 16.7  | 50.1  |



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



#52

1,3-Dichloropropane

Concen: 9.96 ug/l

RT: 10.71 min Scan# 2836

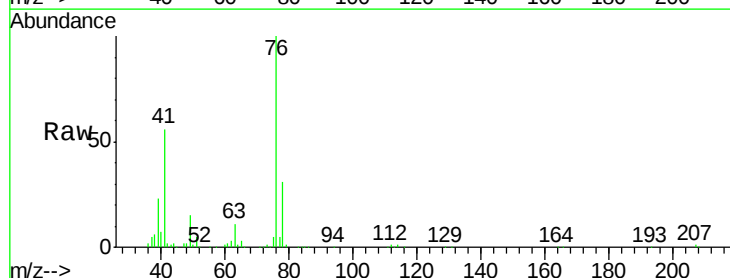
Delta R.T. 0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

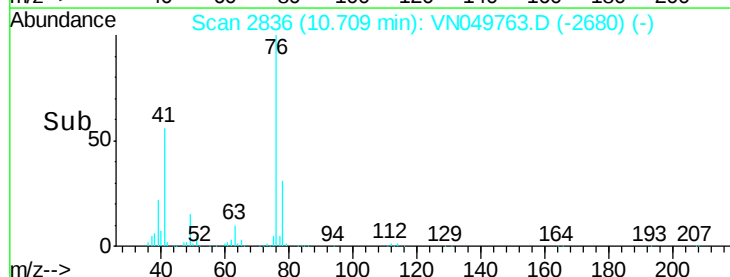
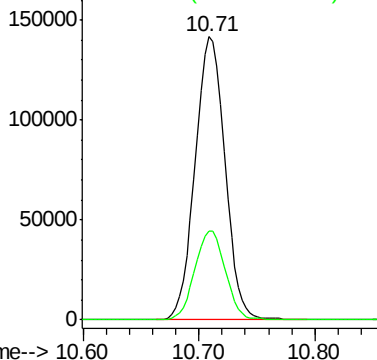
Tgt Ion: 76 Resp: 252675

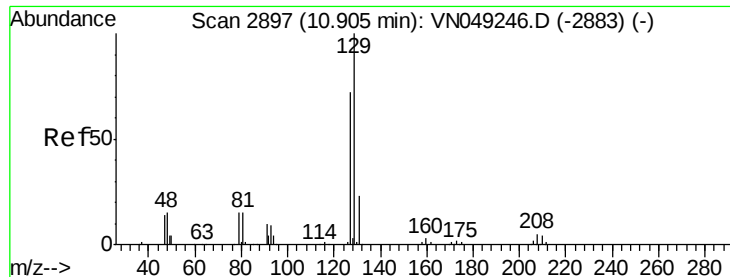
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 76  | 100   |       |       |
| 78  | 31.8  | 0.0   | 65.6  |



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 9.60 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN049763.D

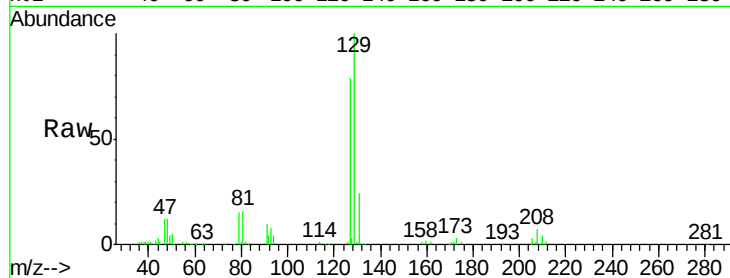
Acq: 11 Jul 2018 18:12

Tot Ion:129 Resp: 167644

Ion Ratio Lower Upper

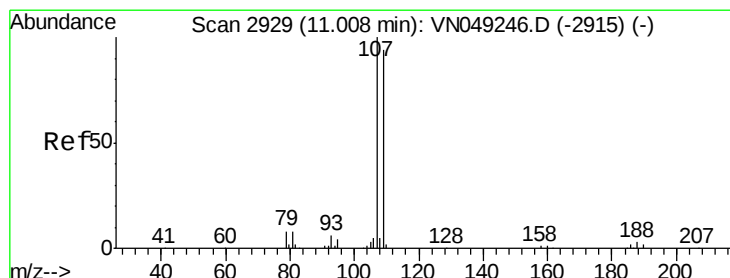
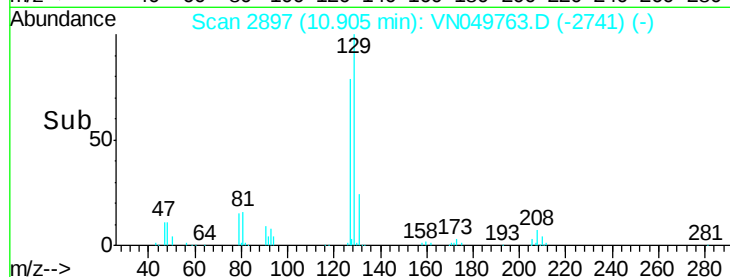
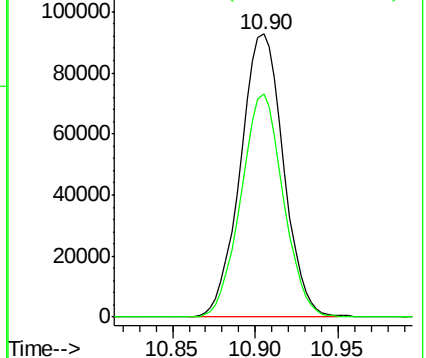
129 100

127 77.3 38.1 114.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 9.89 ug/l

RT: 11.01 min Scan# 2930

Delta R.T. 0.00 min

Lab File: VN049763.D

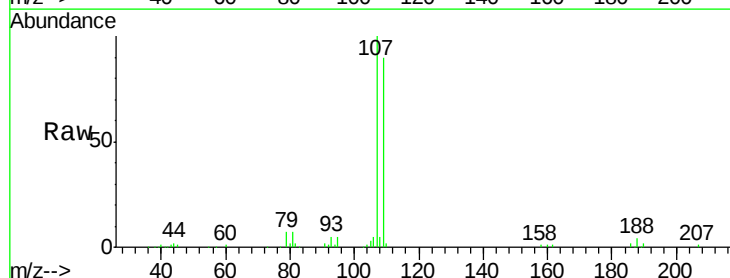
Acq: 11 Jul 2018 18:12

Tgt Ion:107 Resp: 148550

Ion Ratio Lower Upper

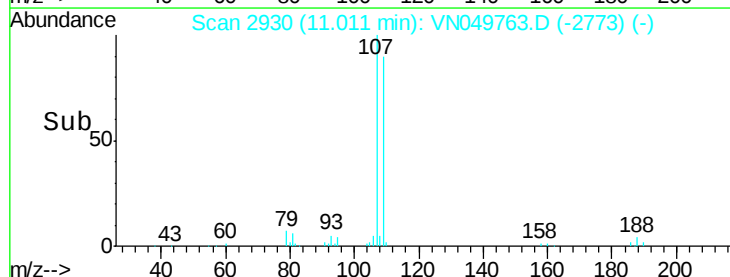
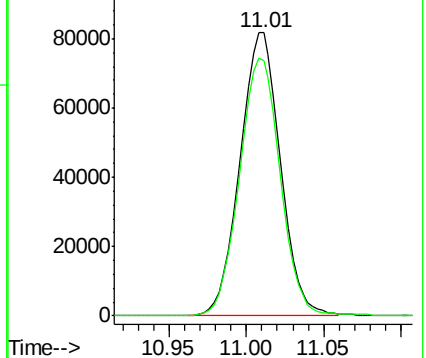
107 100

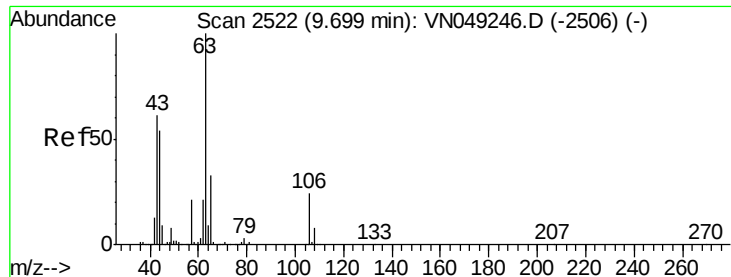
109 91.8 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 43.22 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

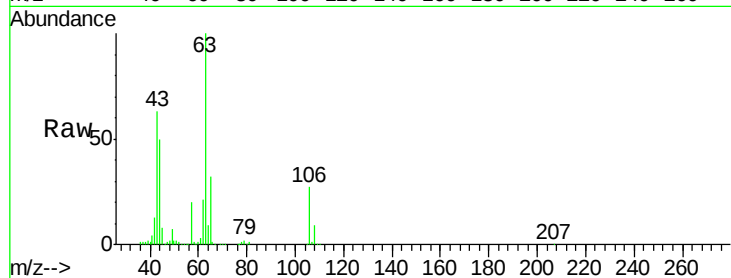
Tot Ion: 63 Resp: 414952

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 32.2  | 25.5  | 38.3  |
| 106 | 27.0  | 21.8  | 32.6  |

63 100

65 32.2 25.5 38.3

106 27.0 21.8 32.6

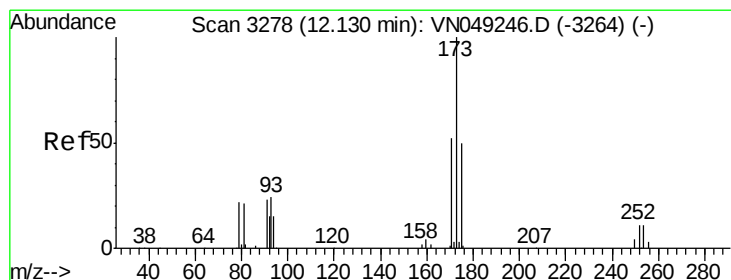
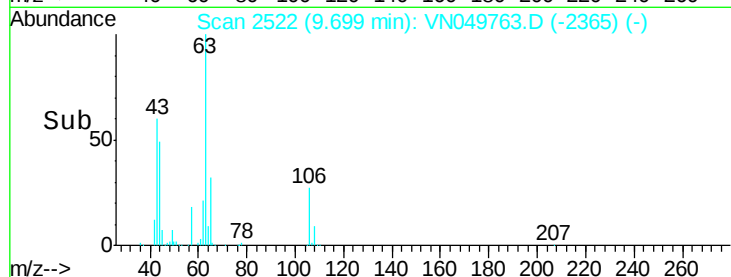
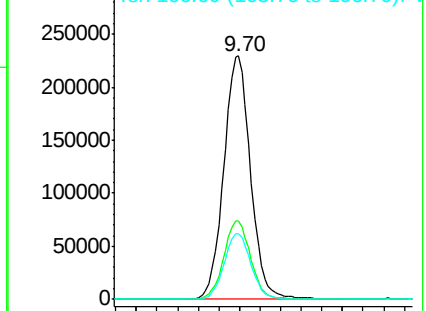


Abundance

Ion 63.00 (62.70 to 63.70): VN049763.D (-2365) (-)

Ion 65.00 (64.70 to 65.70): VN049763.D (-2365) (-)

Ion 106.00 (105.70 to 106.70): VN049763.D (-2365) (-)



#56

Bromoform

Concen: 9.41 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

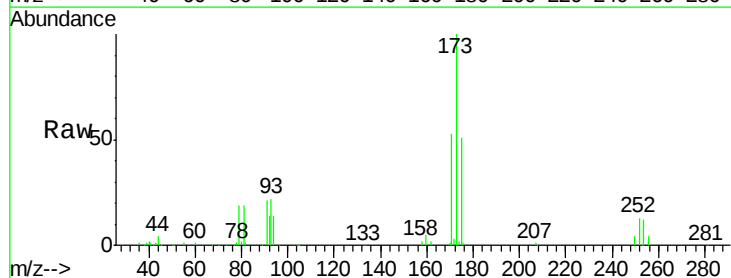
Tgt Ion: 173 Resp: 112627

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 173 | 100   |       |       |
| 175 | 50.1  | 38.6  | 57.8  |
| 254 | 11.3  | 8.8   | 13.2  |

173 100

175 50.1 38.6 57.8

254 11.3 8.8 13.2

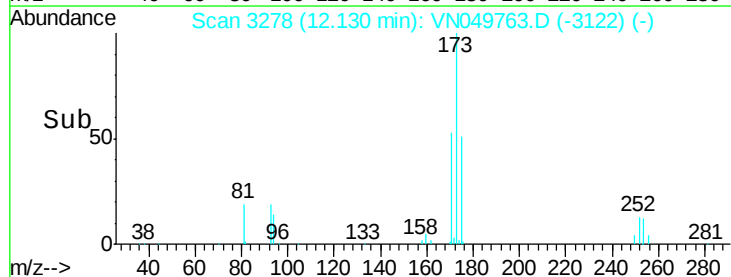
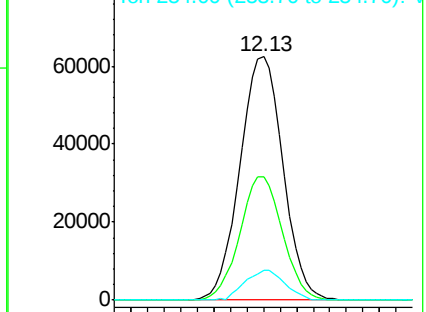


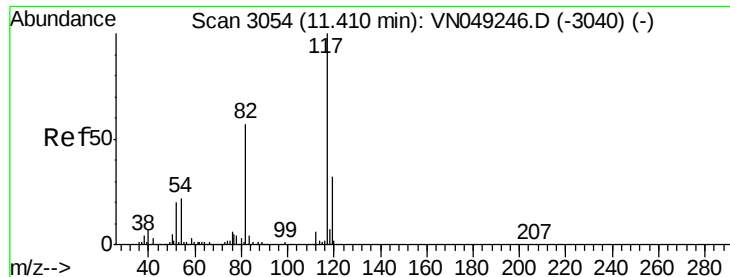
Abundance

Ion 173.00 (172.70 to 173.70): VN049763.D (-3122) (-)

Ion 175.00 (174.70 to 175.70): VN049763.D (-3122) (-)

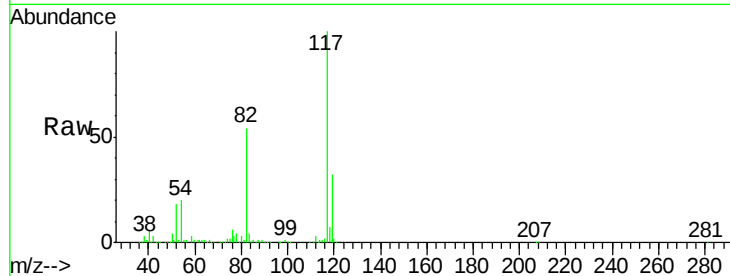
Ion 254.00 (253.70 to 254.70): VN049763.D (-3122) (-)



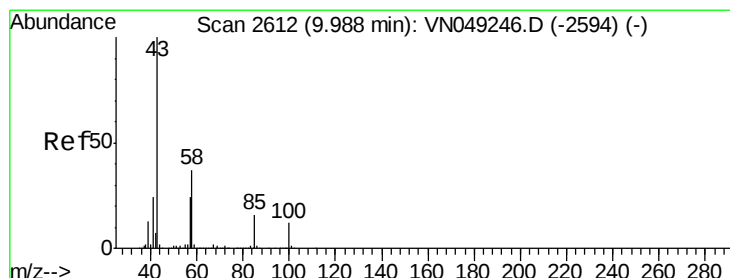
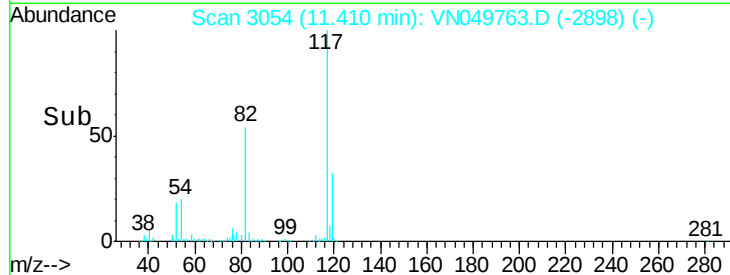
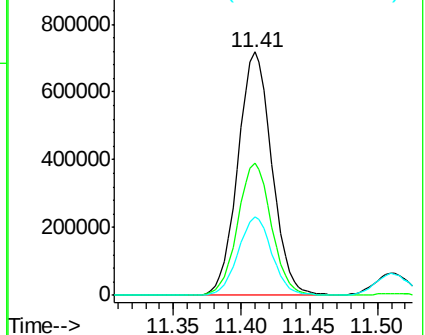


#57  
Chlorobenzene-d5  
Concen: 30.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN049763.D  
Acq: 11 Jul 2018 18:12

Tot Ion:117 Resp: 1246182  
Ion Ratio Lower Upper  
117 100  
82 53.9 42.4 63.6  
119 32.0 25.4 38.0

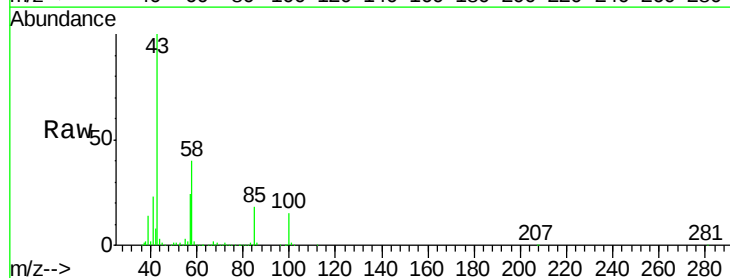


Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 119.00 (118.70 to 119.70): V

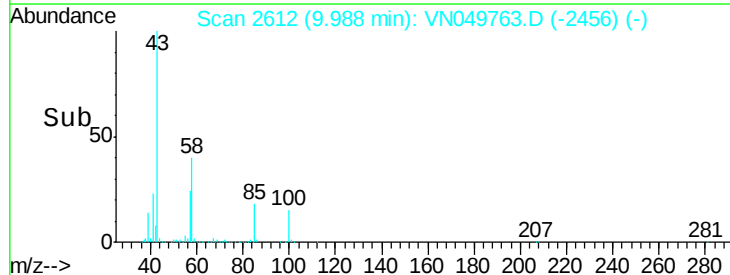
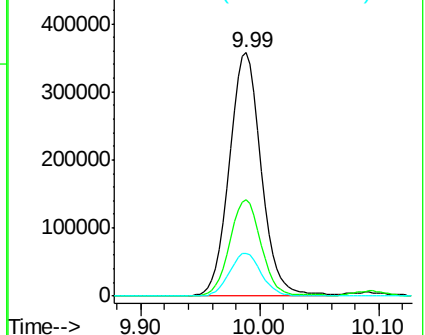


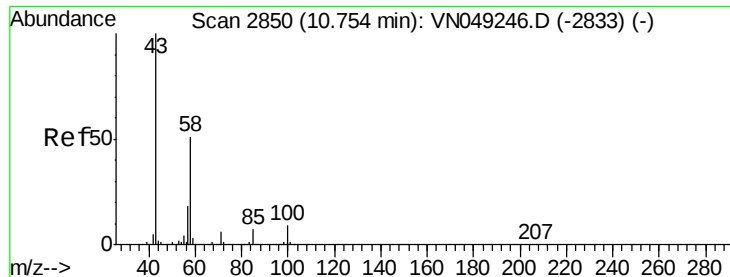
#58  
4-Methyl-2-Pentanone  
Concen: 48.72 ug/l  
RT: 9.99 min Scan# 2612  
Delta R.T. 0.00 min  
Lab File: VN049763.D  
Acq: 11 Jul 2018 18:12

Tgt Ion: 43 Resp: 660030  
Ion Ratio Lower Upper  
43 100  
58 39.4 31.2 46.8  
85 17.7 14.4 21.6



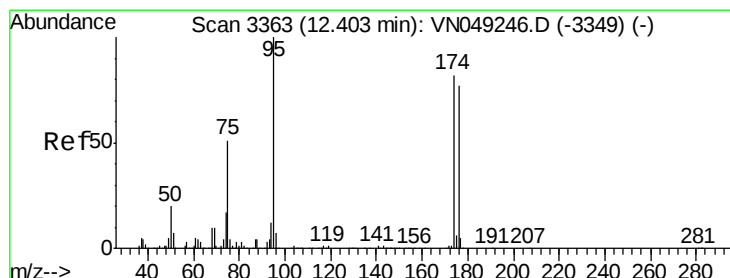
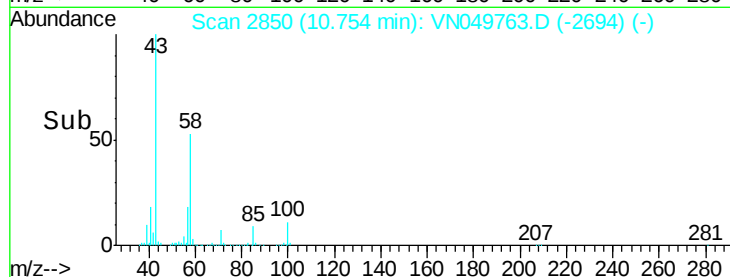
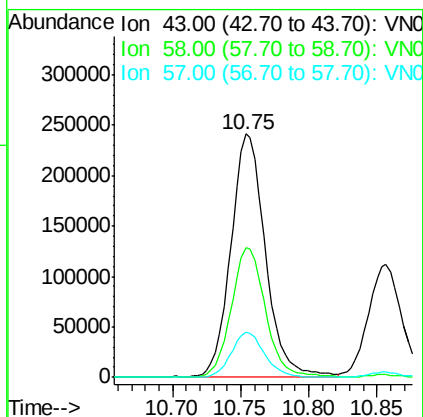
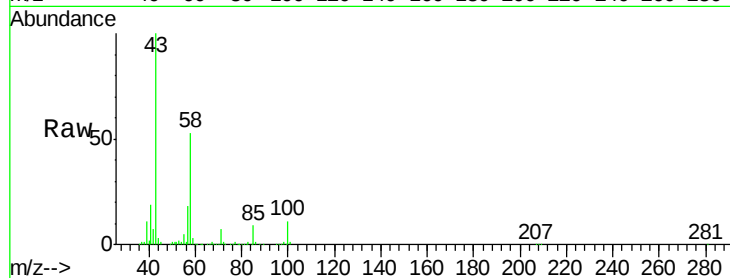
Abundance Ion 43.00 (42.70 to 43.70): V  
Ion 58.00 (57.70 to 58.70): V  
Ion 85.00 (84.70 to 85.70): V





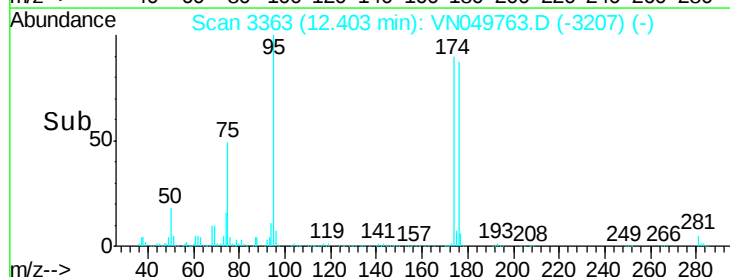
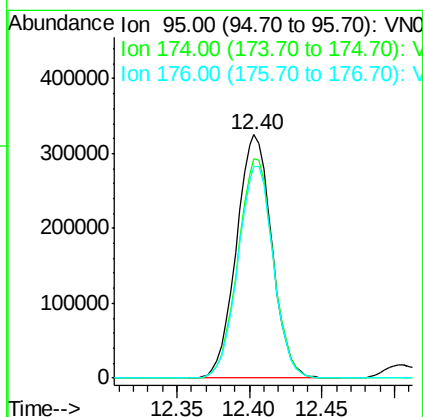
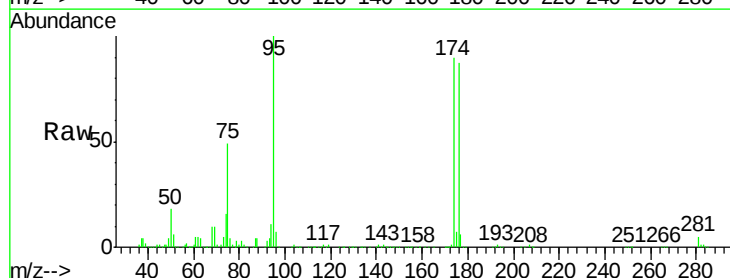
#59  
2-Hexanone  
Concen: 46.17 ug/l  
RT: 10.75 min Scan# 2850  
Delta R.T. 0.00 min  
Lab File: VN049763.D  
Acq: 11 Jul 2018 18:12

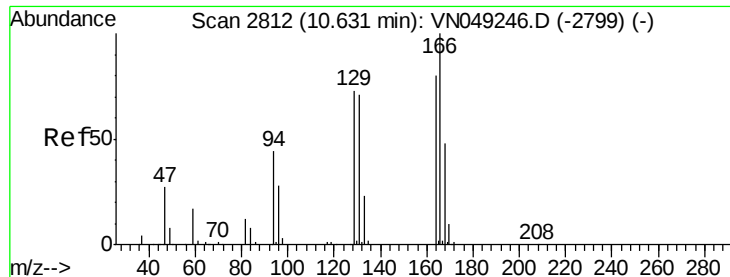
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 53.4  | 43.8  | 65.8  |
| 57      | 18.0  | 15.1  | 22.7  |



#60  
4-Bromofluorobenzene  
Concen: 28.64 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.00 min  
Lab File: VN049763.D  
Acq: 11 Jul 2018 18:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 89.8  | 72.3  | 108.5 |
| 176     | 86.8  | 70.0  | 105.0 |





#61

Tetrachloroethene

Concen: 10.42 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

Tot Ion:164 Resp: 162879

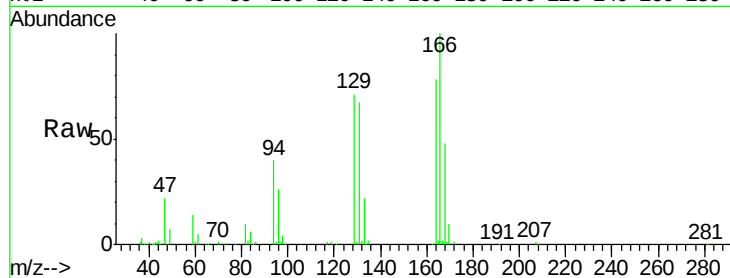
Ion Ratio Lower Upper

164 100

166 128.7 100.0 150.0

129 91.7 69.3 103.9

131 86.1 68.8 103.2

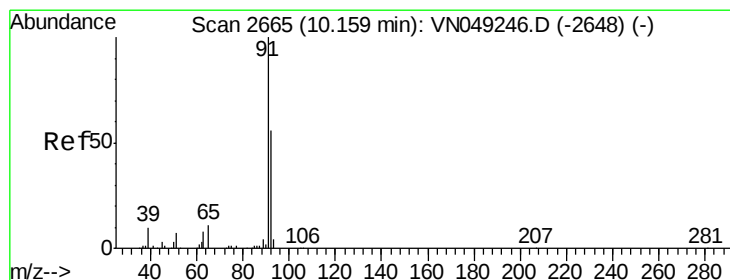
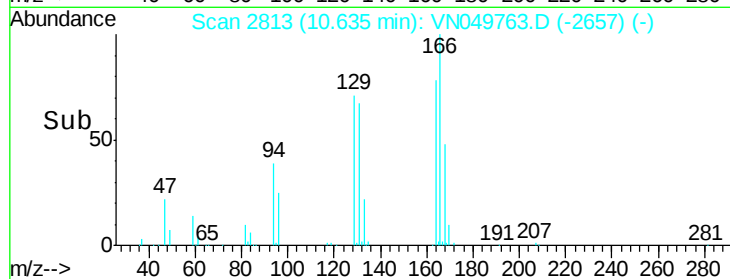
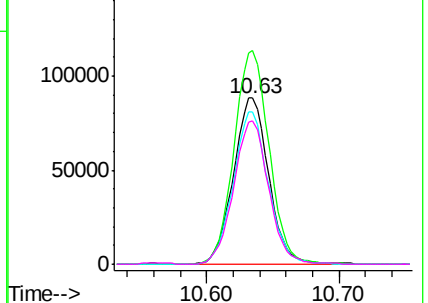


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 10.12 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049763.D

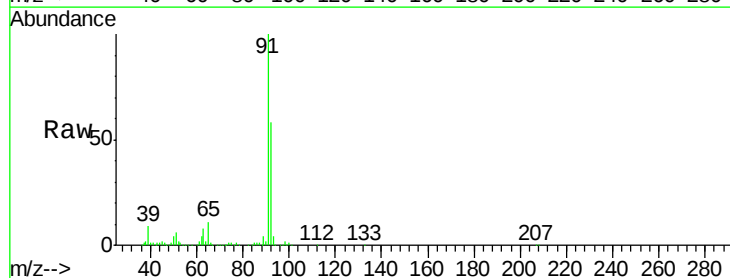
Acq: 11 Jul 2018 18:12

Tgt Ion: 91 Resp: 722602

Ion Ratio Lower Upper

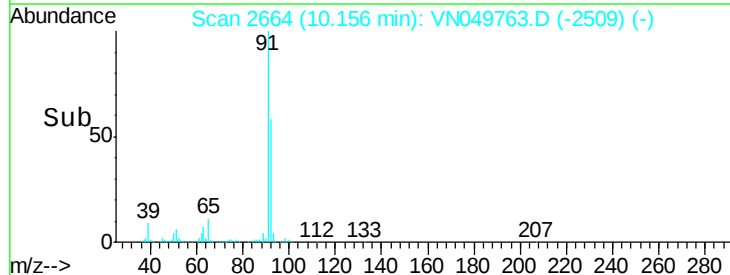
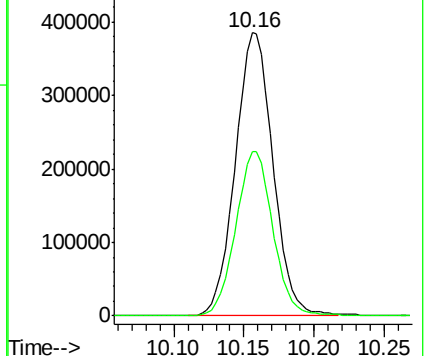
91 100

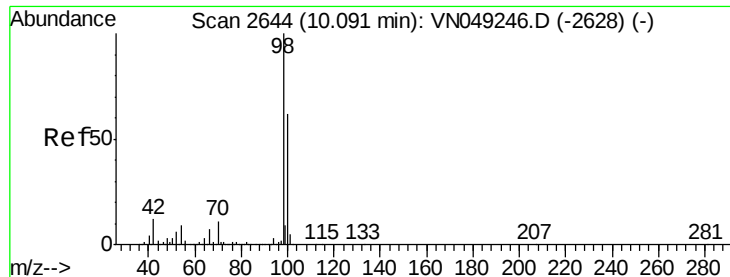
92 57.2 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.24 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049763.D

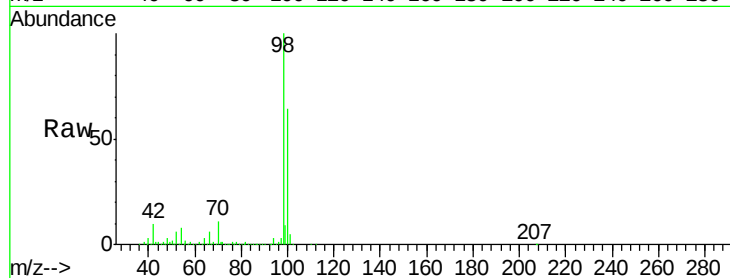
Acq: 11 Jul 2018 18:12

Tot Ion: 98 Resp: 1760770

Ion Ratio Lower Upper

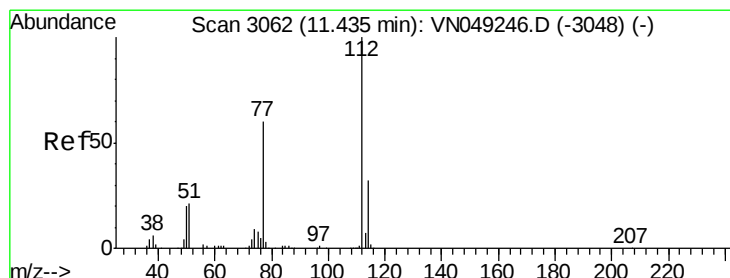
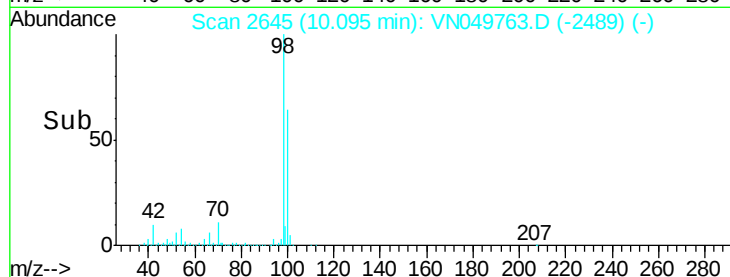
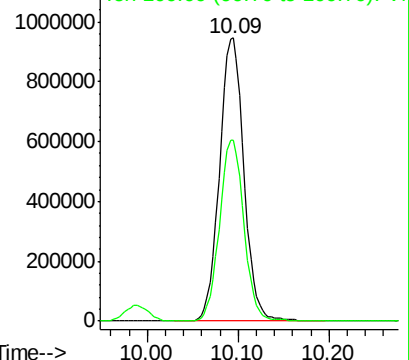
98 100

100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 10.10 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049763.D

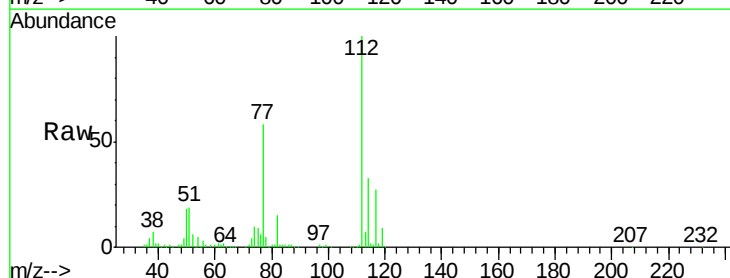
Acq: 11 Jul 2018 18:12

Tgt Ion: 112 Resp: 442566

Ion Ratio Lower Upper

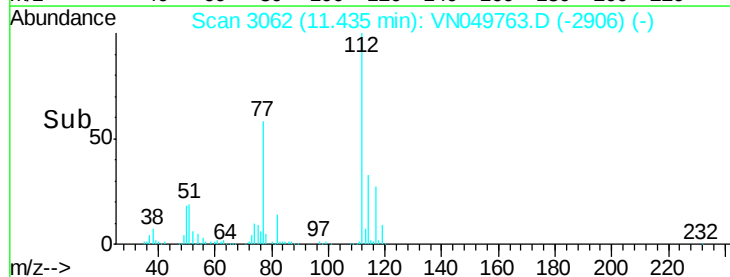
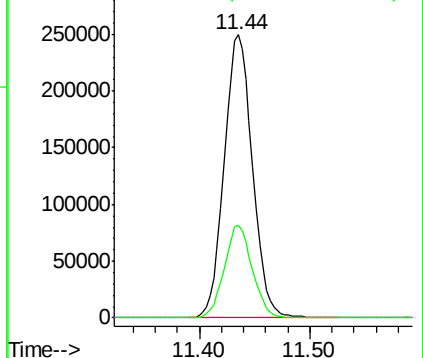
112 100

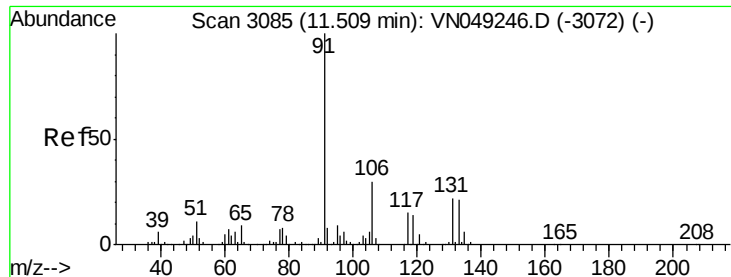
114 32.9 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 10.16 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049763.D

Acq: 11 Jul 2018 18:12

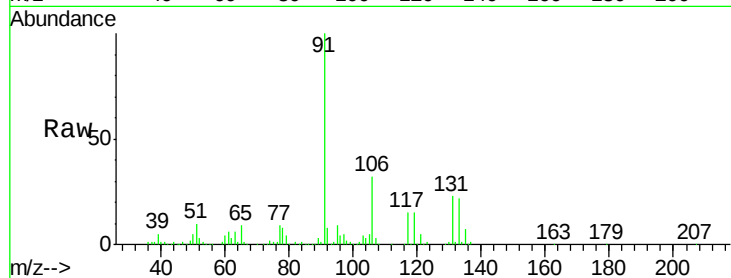
Tot Ion:131 Resp: 169043

Ion Ratio Lower Upper

131 100

133 95.9 0.0 190.0

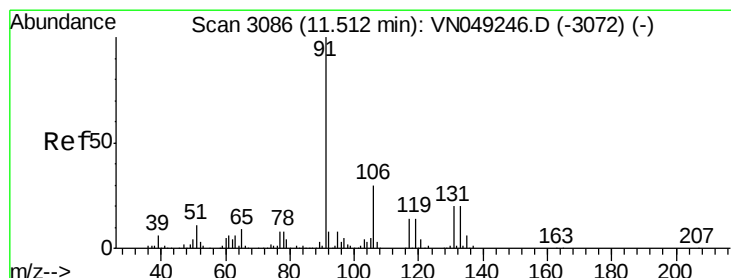
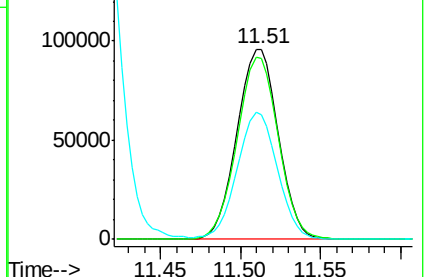
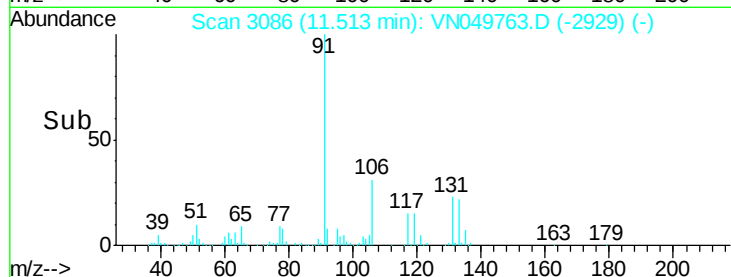
119 65.4 0.0 131.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 9.52 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049763.D

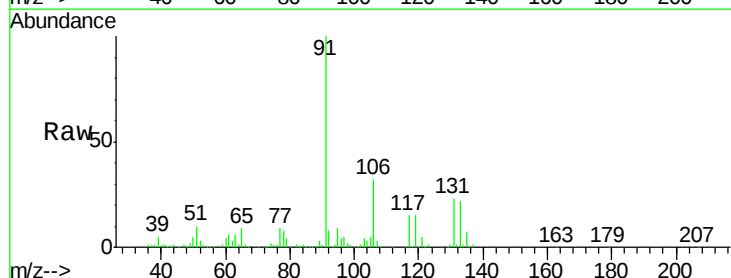
Acq: 11 Jul 2018 18:12

Tgt Ion: 91 Resp: 713396

Ion Ratio Lower Upper

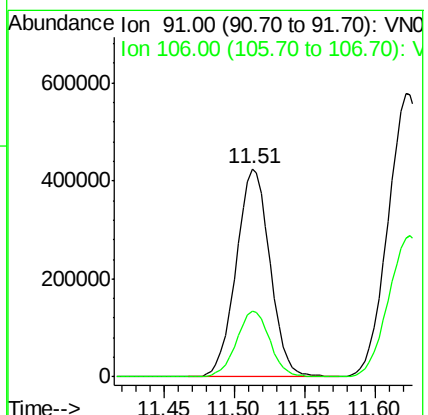
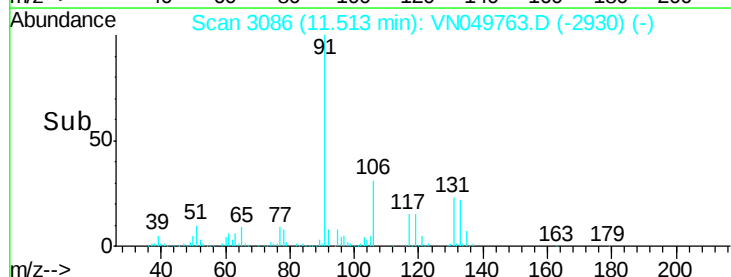
91 100

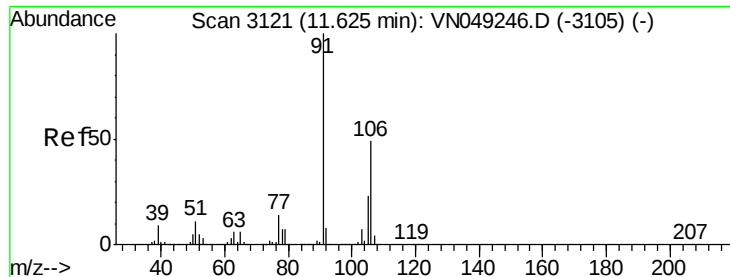
106 31.9 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xvlenes

Concen: 19.29 ug/l

RT: 11.63 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN049763.D

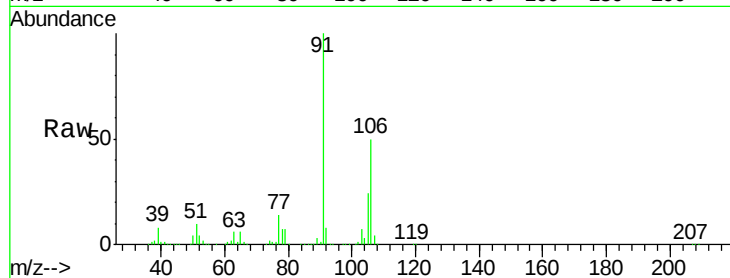
Acq: 11 Jul 2018 18:12

Tot Ion:106 Resp: 555952

Ion Ratio Lower Upper

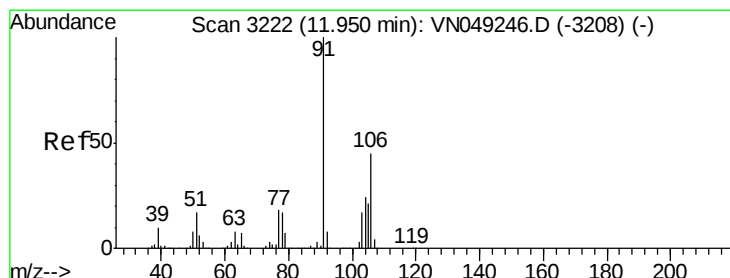
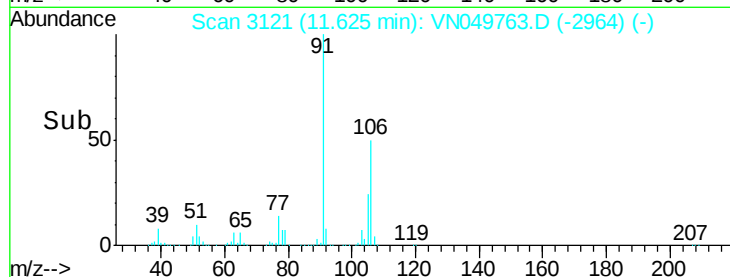
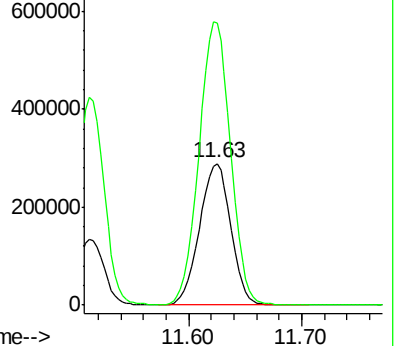
106 100

91 200.6 162.5 243.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 9.68 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049763.D

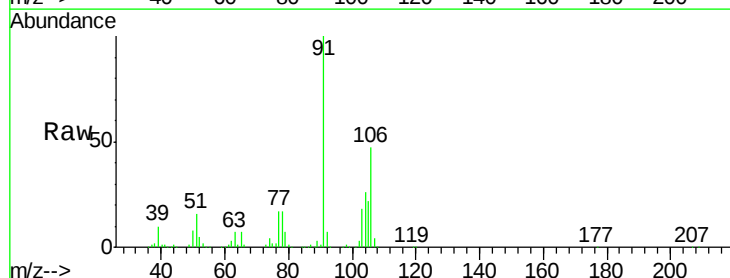
Acq: 11 Jul 2018 18:12

Tgt Ion:106 Resp: 266446

Ion Ratio Lower Upper

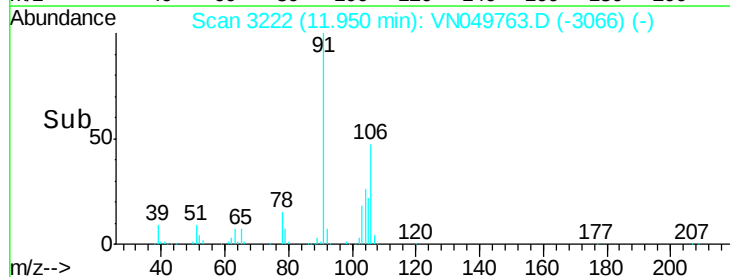
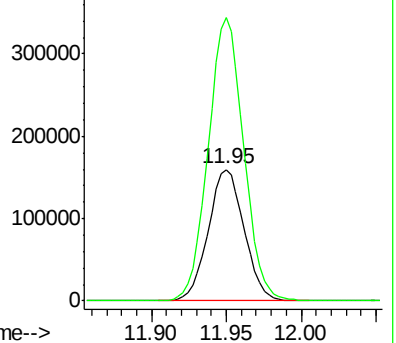
106 100

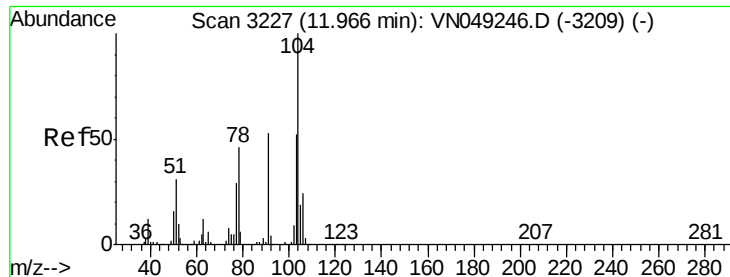
91 212.1 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

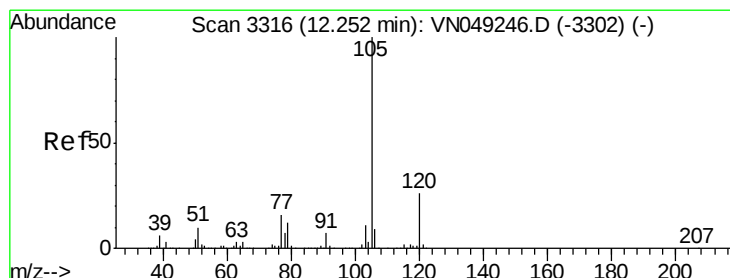
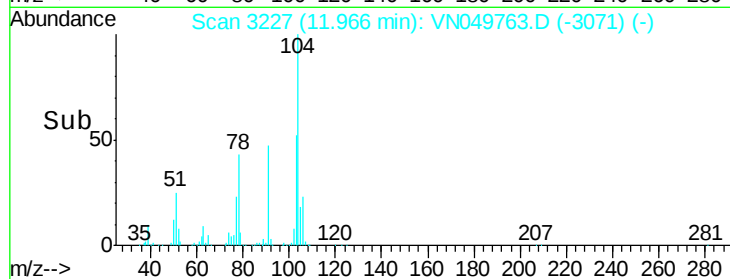
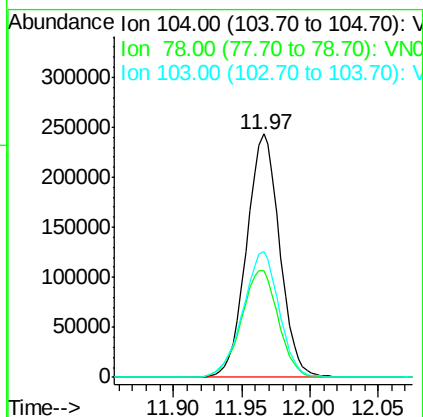
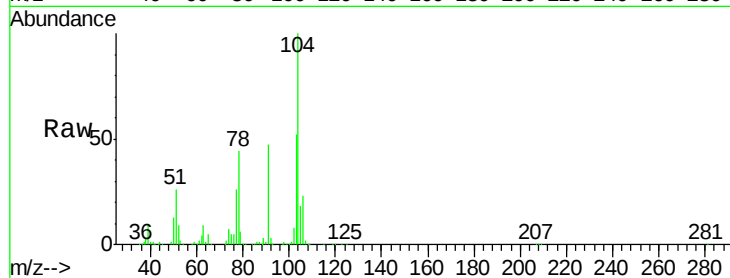
Ion 91.00 (90.70 to 91.70): VN0





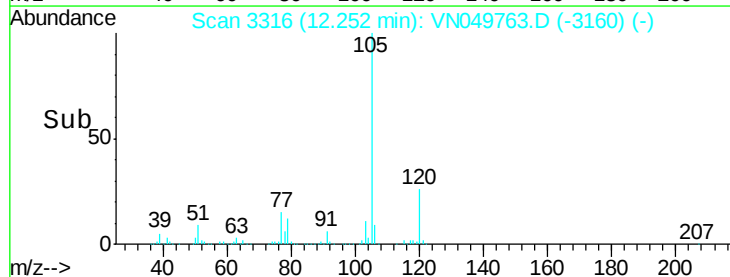
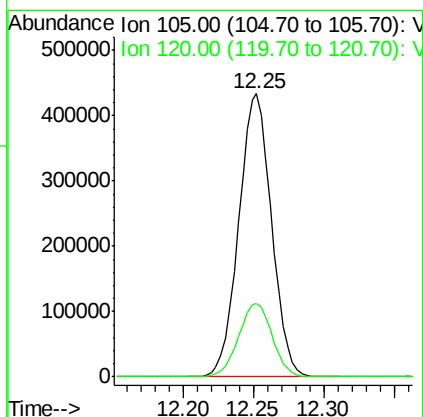
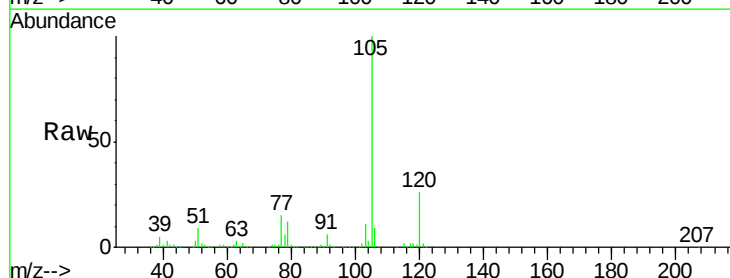
#69  
Stvrene  
Concen: 9.33 ug/l  
RT: 11.97 min Scan# 3227  
Delta R.T. 0.00 min  
Lab File: VN049763.D  
Acq: 11 Jul 2018 18:12

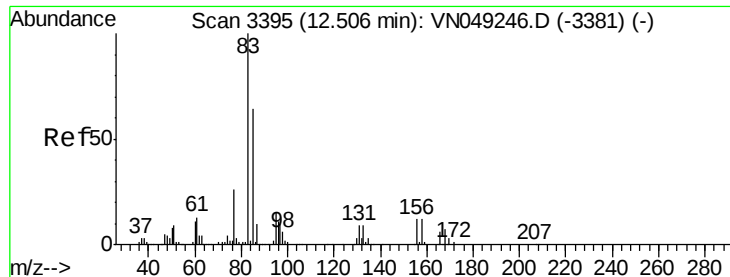
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 49.0  | 39.3  | 58.9  |
| 103     | 56.5  | 44.5  | 66.7  |



#70  
Isopropylbenzene  
Concen: 9.64 ug/l  
RT: 12.25 min Scan# 3316  
Delta R.T. 0.00 min  
Lab File: VN049763.D  
Acq: 11 Jul 2018 18:12

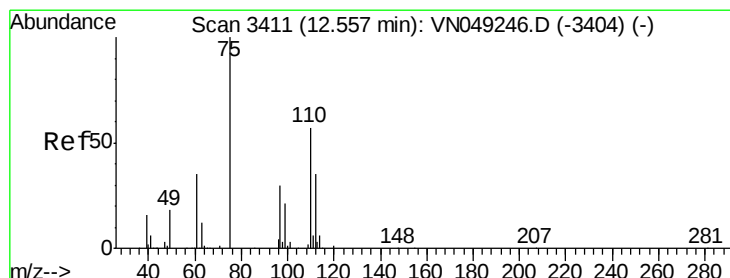
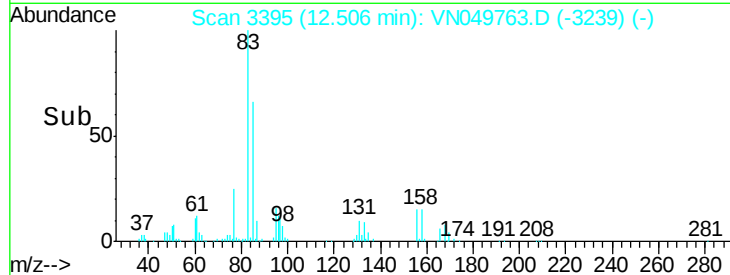
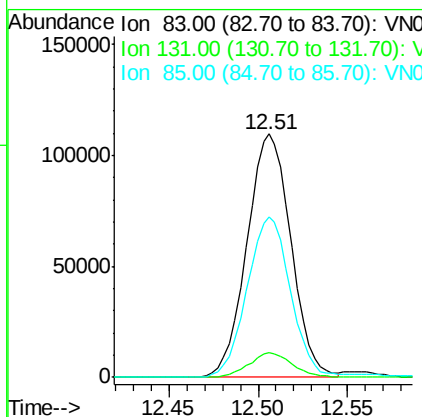
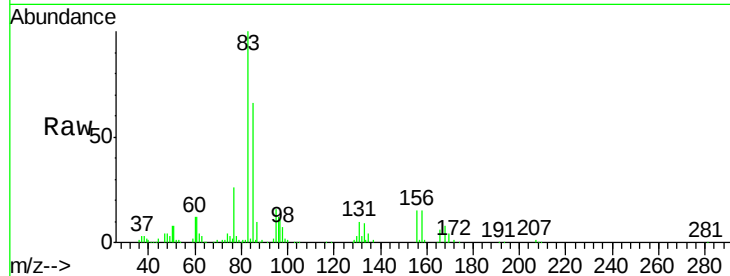
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.7  | 18.9  | 35.1  |





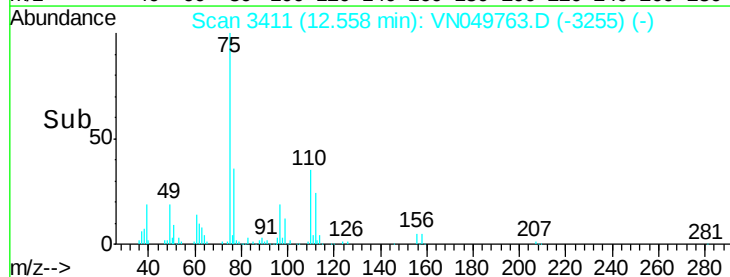
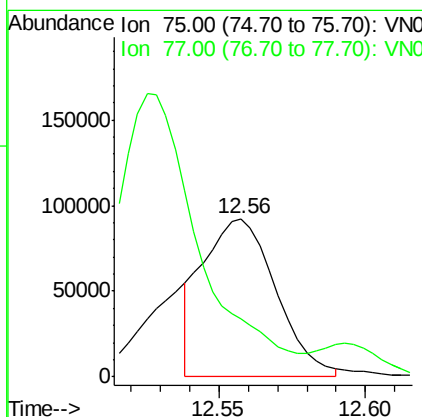
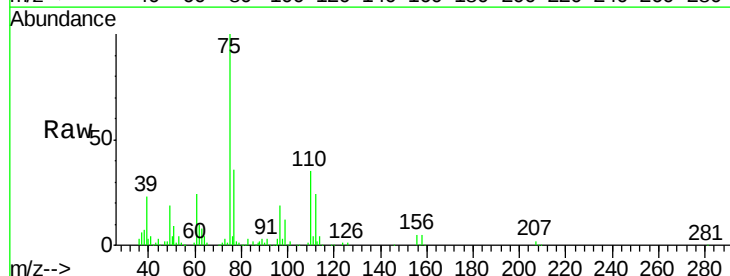
#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 10.10 ug/l  
 RT: 12.51 min Scan# 3395  
 Delta R.T. 0.00 min  
 Lab File: VN049763.D  
 Acq: 11 Jul 2018 18:12

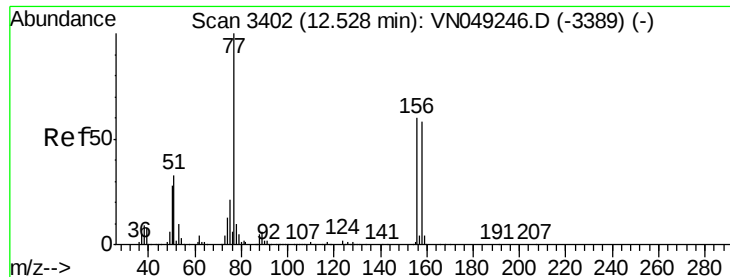
| Tot Ion   | 83   | Resp | 189239 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     | 5.2  |      |        |
| Upper     | 15.6 |      |        |
| 85        | 64.9 | 31.7 | 95.1   |



#72  
 1,2,3-Trichloropropane  
 Concen: 10.66 ug/l m  
 RT: 12.56 min Scan# 3411  
 Delta R.T. 0.00 min  
 Lab File: VN049763.D  
 Acq: 11 Jul 2018 18:12

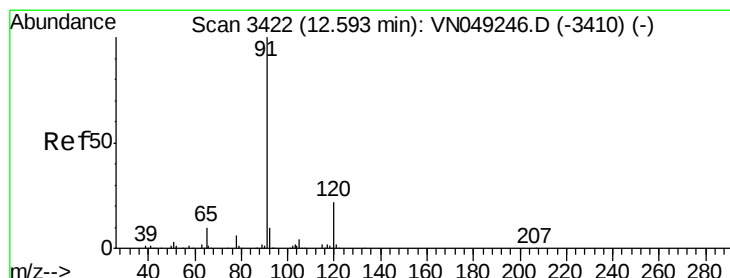
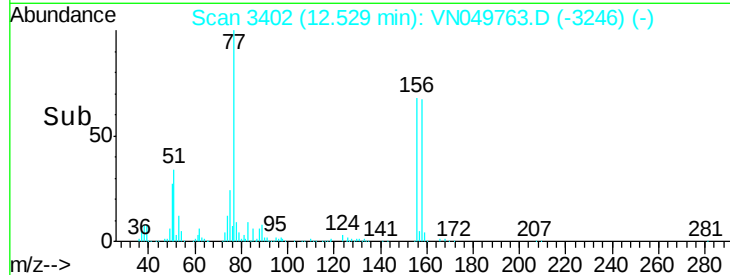
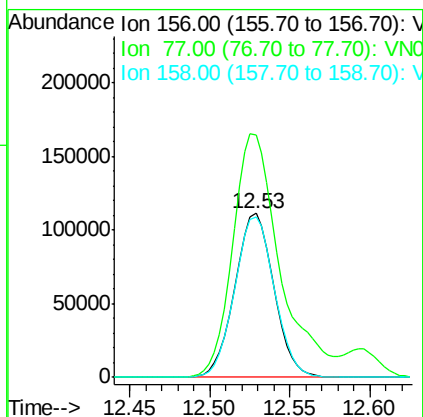
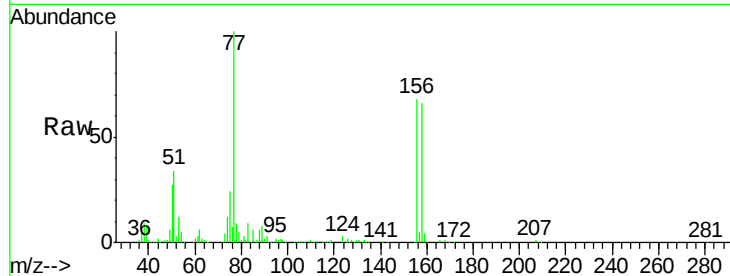
| Tgt Ion   | 75    | Resp | 160033 |
|-----------|-------|------|--------|
| Ion Ratio | 100   |      |        |
| Lower     | 0.0   |      |        |
| Upper     | 454.4 |      |        |
| 77        | 207.0 |      |        |





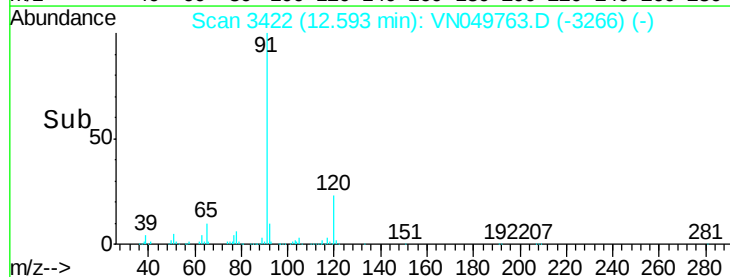
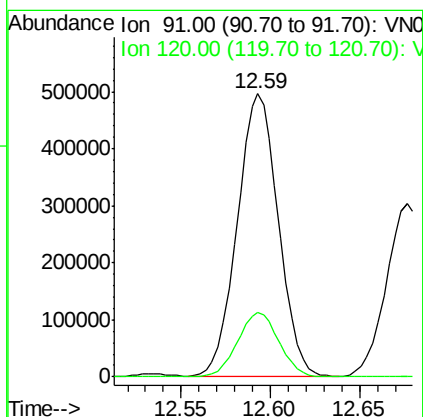
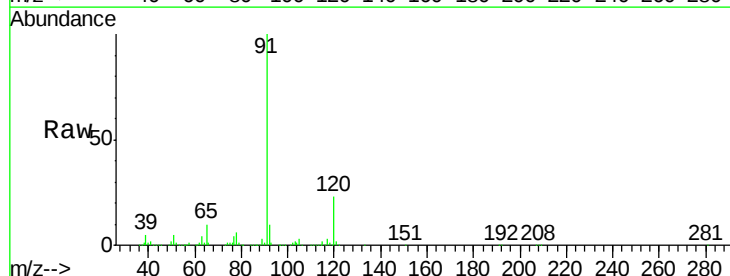
#73  
Bromobenzene  
Concen: 9.65 ug/l  
RT: 12.53 min Scan# 3402  
Delta R.T. 0.00 min  
Lab File: VN049763.D  
Acq: 11 Jul 2018 18:12

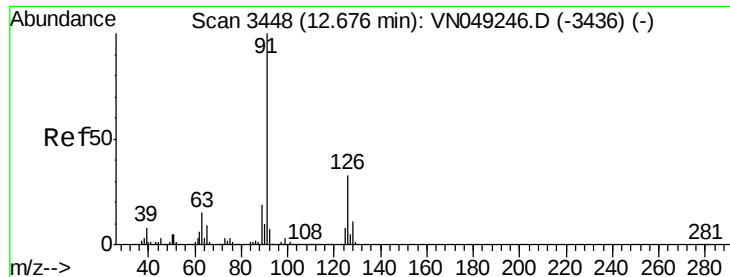
Tot Ion: 156 Resp: 184858  
Ion Ratio Lower Upper  
156 100  
77 179.2 0.0 359.8  
158 99.6 0.0 192.8



#74  
n-propylbenzene  
Concen: 9.45 ug/l  
RT: 12.59 min Scan# 3422  
Delta R.T. 0.00 min  
Lab File: VN049763.D  
Acq: 11 Jul 2018 18:12

Tgt Ion: 91 Resp: 798592  
Ion Ratio Lower Upper  
91 100  
120 22.8 0.0 46.4





#75

2-Chlorotoluene

Concen: 9.80 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049763.D

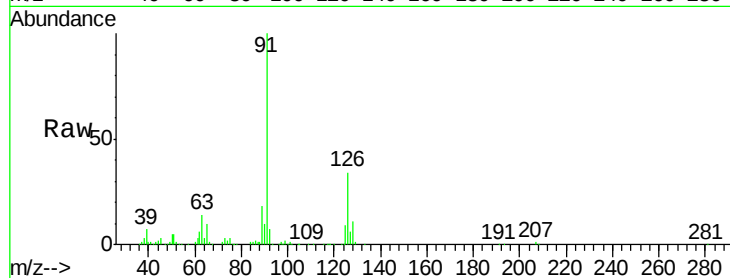
Acq: 11 Jul 2018 18:12

Tot Ion: 91 Resp: 496787

Ion Ratio Lower Upper

91 100

126 34.7 0.0 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN049763.D (-3292) (-)

Ion 126.00 (125.70 to 126.70): VN049763.D (-3292) (-)

500000

400000

300000

200000

100000

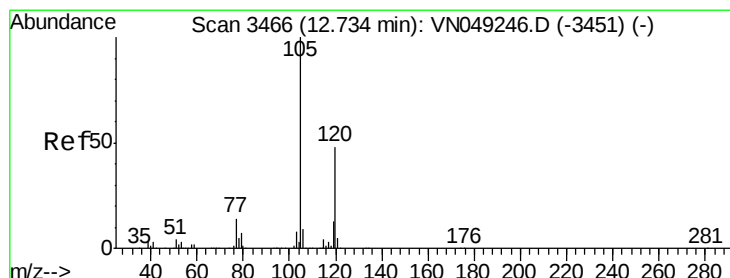
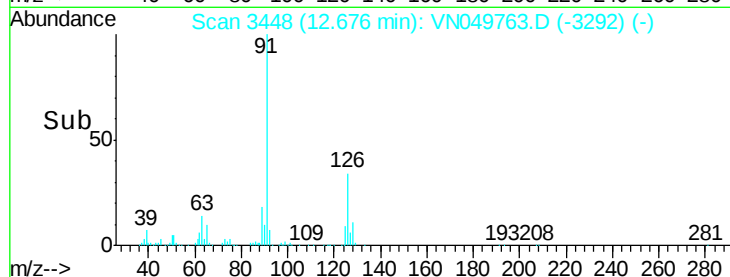
0

12.65

12.68

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 9.46 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049763.D

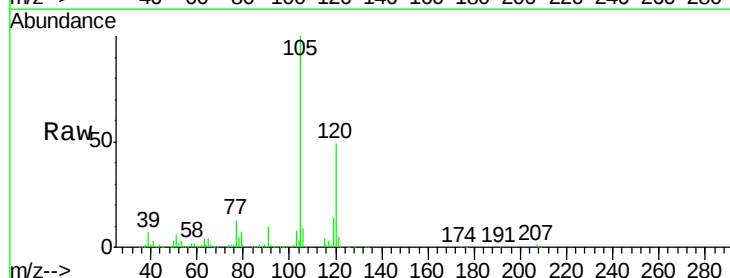
Acq: 11 Jul 2018 18:12

Tgt Ion: 105 Resp: 561572

Ion Ratio Lower Upper

105 100

120 49.0 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): VN049763.D (-3310) (-)

Ion 120.00 (119.70 to 120.70): VN049763.D (-3310) (-)

400000

300000

200000

100000

0

12.65

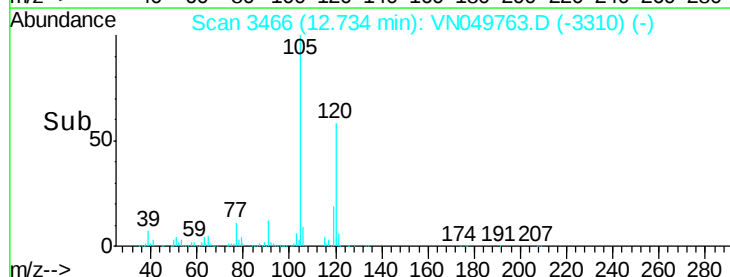
12.70

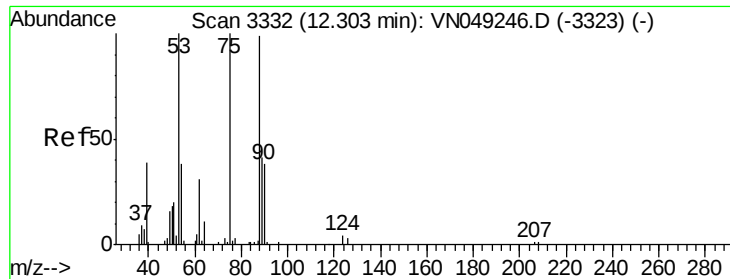
12.73

12.75

12.80

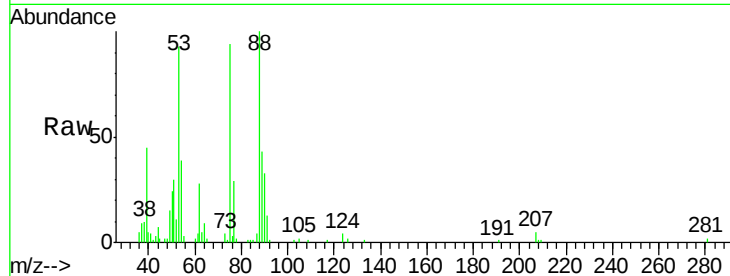
Time-->



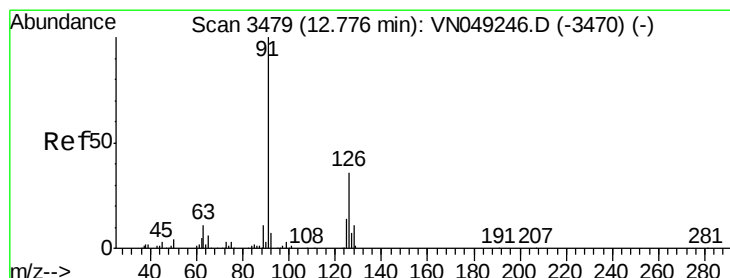
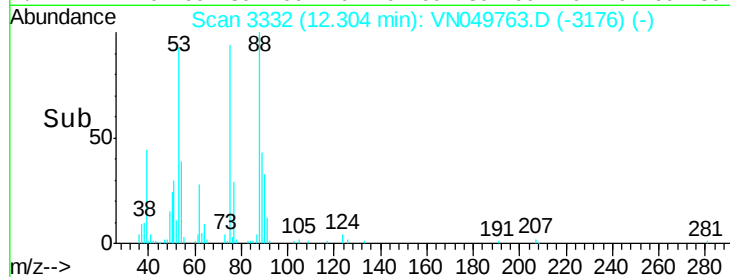
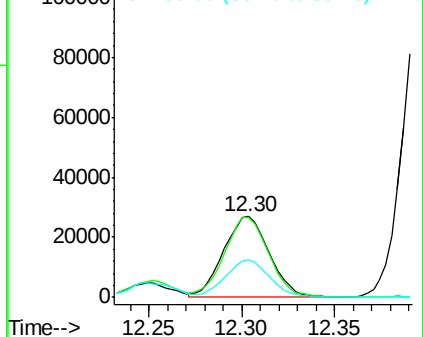


#77  
t-1,4-Dichloro-2-butene  
Concen: 8.74 ug/l  
RT: 12.30 min Scan# 3332  
Delta R.T. 0.00 min  
Lab File: VN049763.D  
Acq: 11 Jul 2018 18:12

Tot Ion: 75 Resp: 45993  
Ion Ratio Lower Upper  
75 100  
53 98.1 44.6 134.0  
89 46.2 20.7 62.1

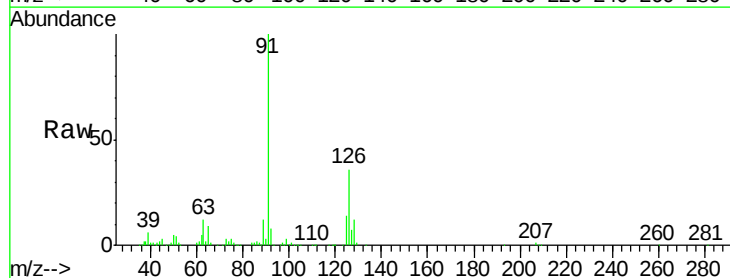


Abundance Ion 75.00 (74.70 to 75.70): VN0  
Ion 53.00 (52.70 to 53.70): VN0  
Ion 89.00 (88.70 to 89.70): VN0

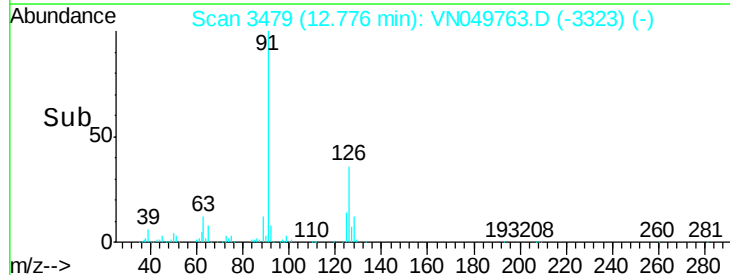
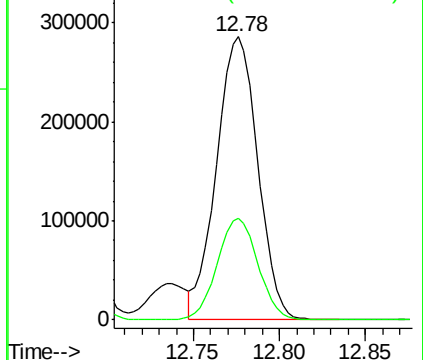


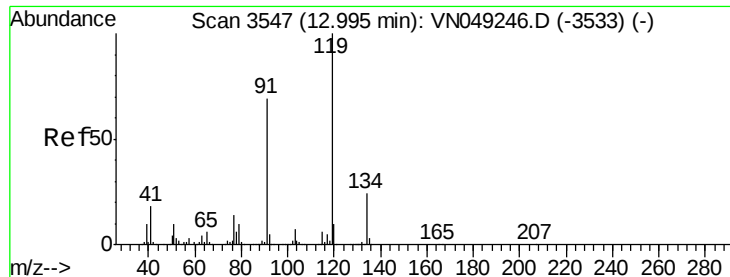
#78  
4-Chlorotoluene  
Concen: 9.44 ug/l  
RT: 12.78 min Scan# 3479  
Delta R.T. 0.00 min  
Lab File: VN049763.D  
Acq: 11 Jul 2018 18:12

Tgt Ion: 91 Resp: 477534  
Ion Ratio Lower Upper  
91 100  
126 35.3 0.0 68.4



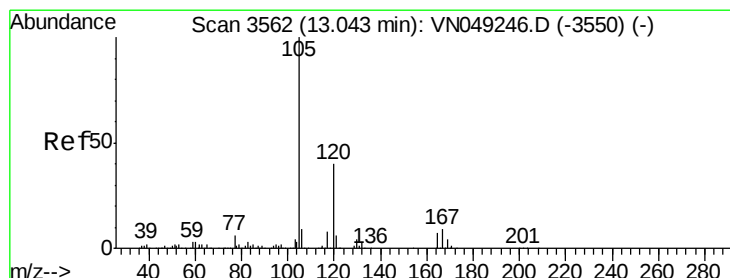
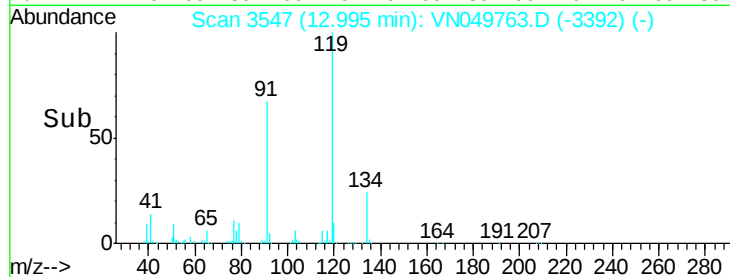
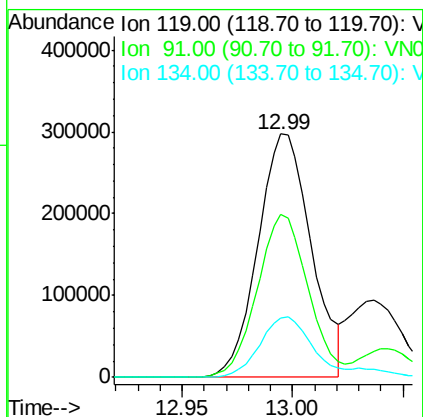
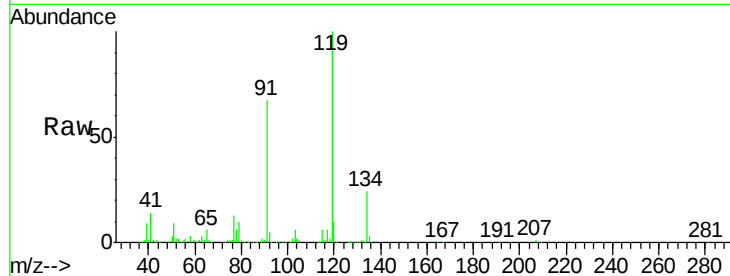
Abundance Ion 91.00 (90.70 to 91.70): VN0  
Ion 126.00 (125.70 to 126.70): V





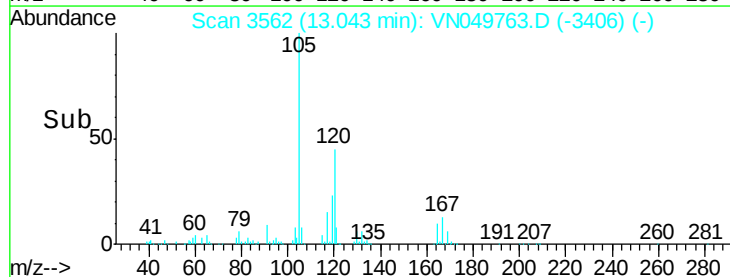
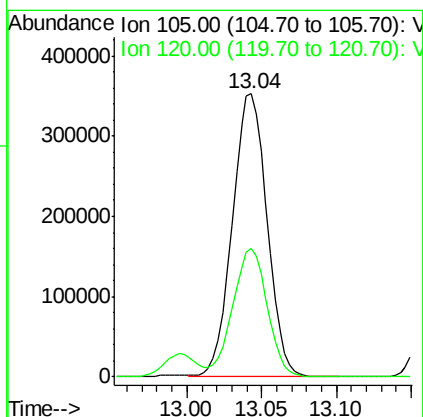
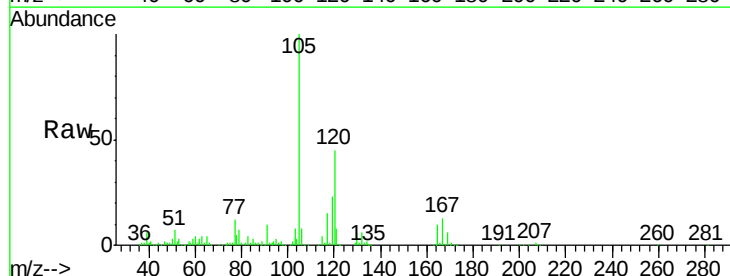
#79  
tert-butylbenzene  
Concen: 9.68 ug/l  
RT: 12.99 min Scan# 3547  
Delta R.T. -0.00 min  
Lab File: VN049763.D  
Acq: 11 Jul 2018 18:12

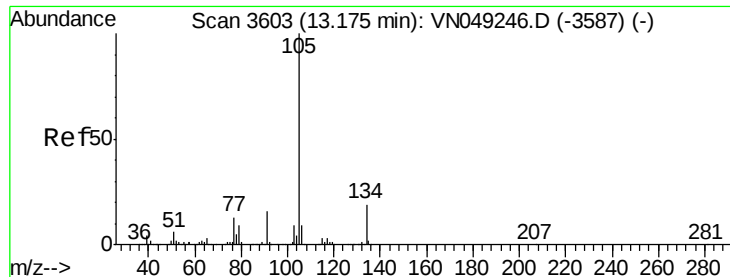
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 64.0  | 0.0   | 126.8 |
| 134     | 24.0  | 0.0   | 47.4  |



#80  
1,2,4-Trimethylbenzene  
Concen: 9.49 ug/l  
RT: 13.04 min Scan# 3562  
Delta R.T. 0.00 min  
Lab File: VN049763.D  
Acq: 11 Jul 2018 18:12

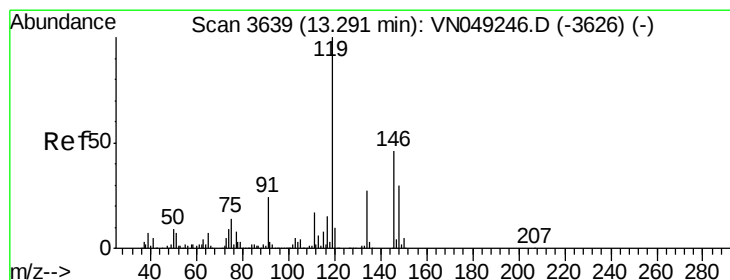
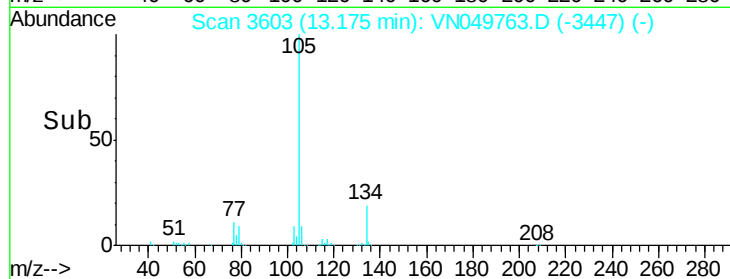
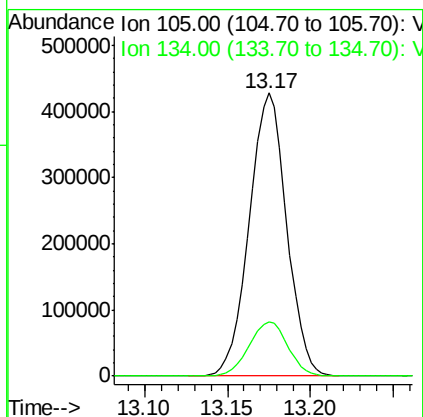
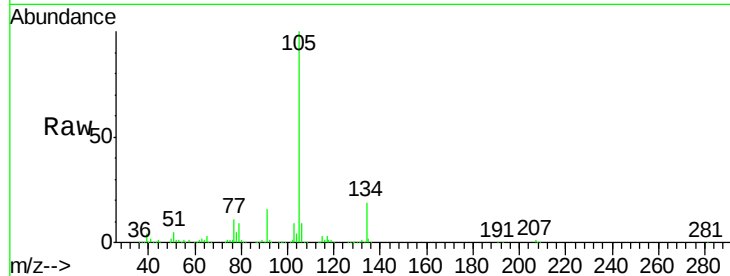
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.1  | 0.0   | 90.6  |





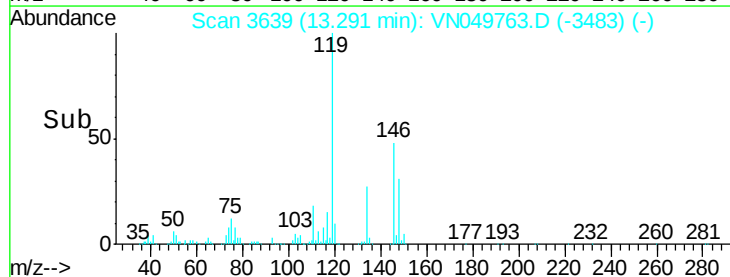
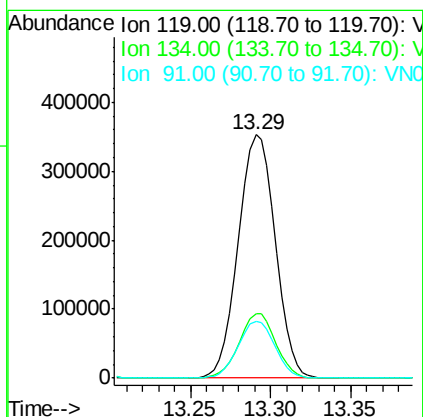
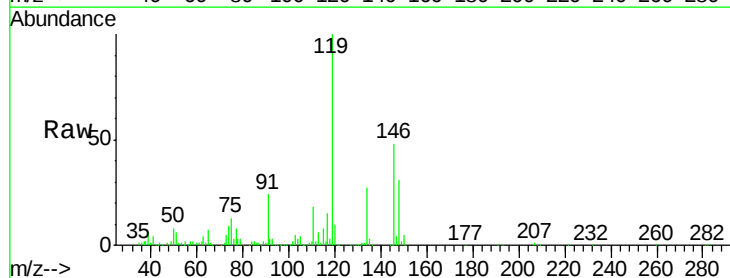
#81  
 sec-Butylbenzene  
 Concen: 9.66 ug/l  
 RT: 13.17 min Scan# 3603  
 Delta R.T. 0.00 min  
 Lab File: VN049763.D  
 Acq: 11 Jul 2018 18:12

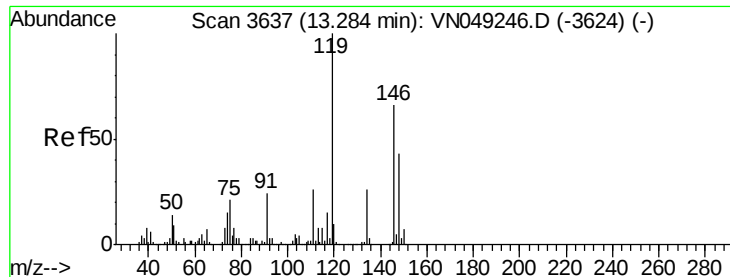
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 20.1  | 0.0   | 40.6  |



#82  
 p-Isopropyltoluene  
 Concen: 9.24 ug/l  
 RT: 13.29 min Scan# 3639  
 Delta R.T. 0.00 min  
 Lab File: VN049763.D  
 Acq: 11 Jul 2018 18:12

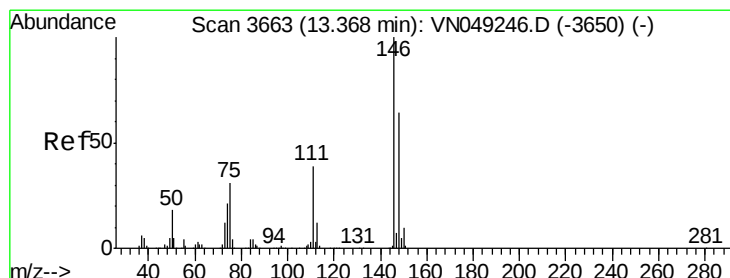
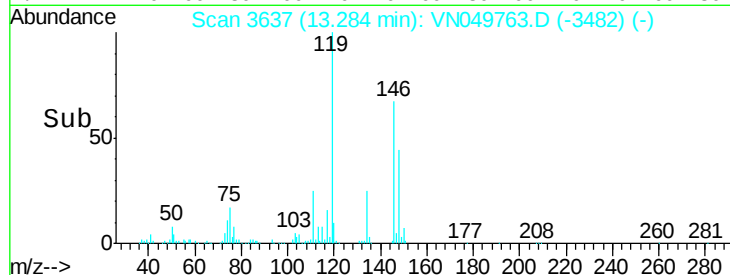
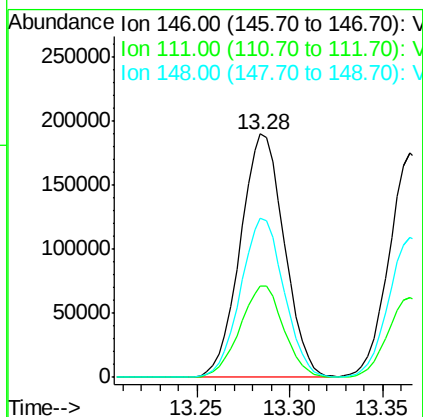
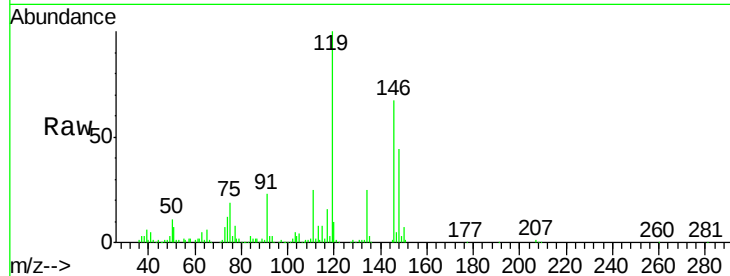
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.4  | 0.0   | 52.2  |
| 91      | 23.3  | 0.0   | 45.6  |





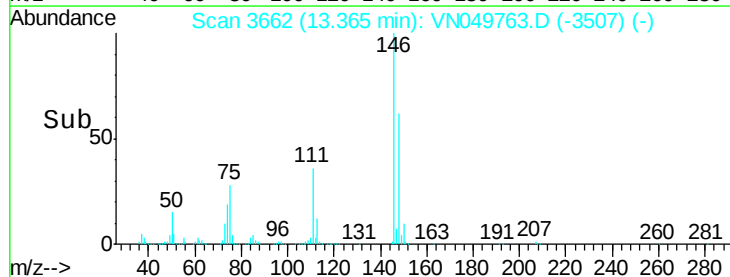
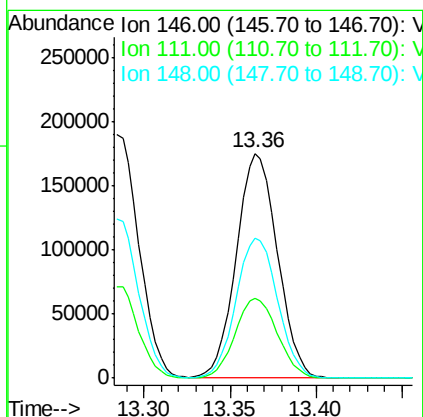
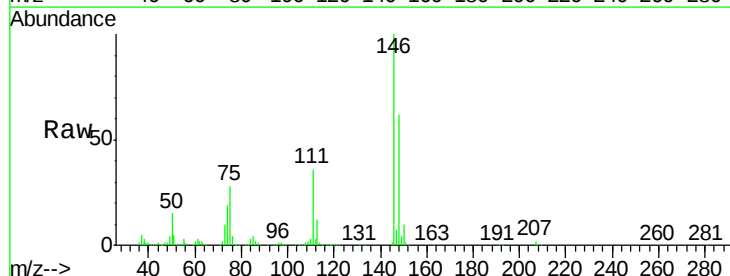
#83  
 1,3-Dichlorobenzene  
 Concen: 9.39 ug/l  
 RT: 13.28 min Scan# 3637  
 Delta R.T. -0.00 min  
 Lab File: VN049763.D  
 Acq: 11 Jul 2018 18:12

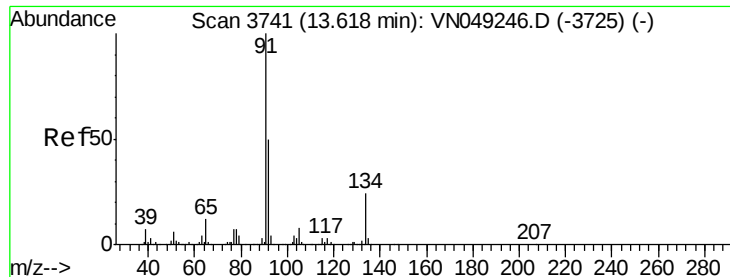
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.3  | 19.1  | 57.1  |
| 148     | 64.5  | 31.9  | 95.9  |



#84  
 1,4-Dichlorobenzene  
 Concen: 9.16 ug/l  
 RT: 13.36 min Scan# 3662  
 Delta R.T. -0.00 min  
 Lab File: VN049763.D  
 Acq: 11 Jul 2018 18:12

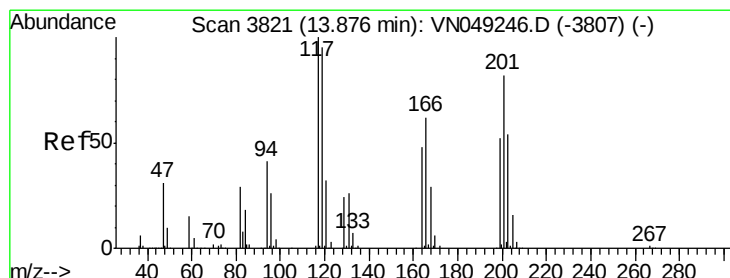
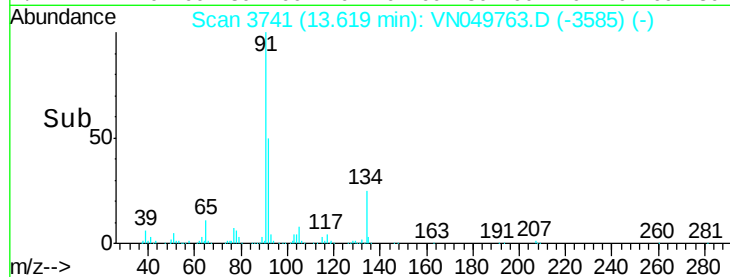
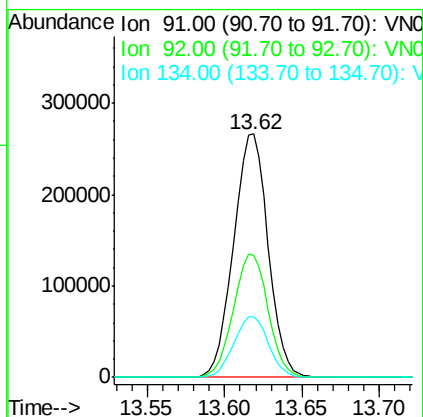
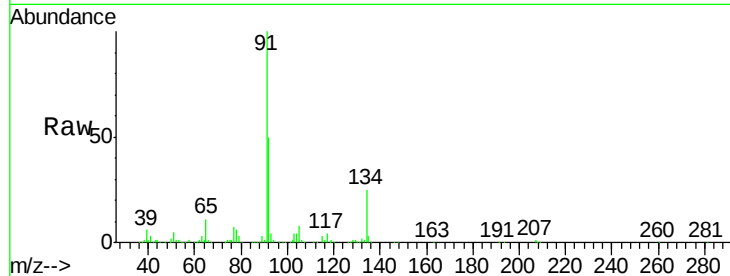
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.7  | 17.9  | 53.8  |
| 148     | 63.2  | 32.4  | 97.0  |





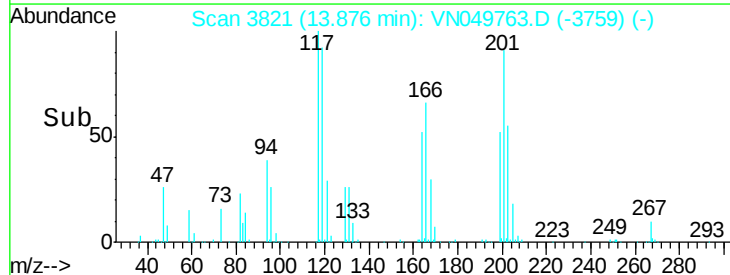
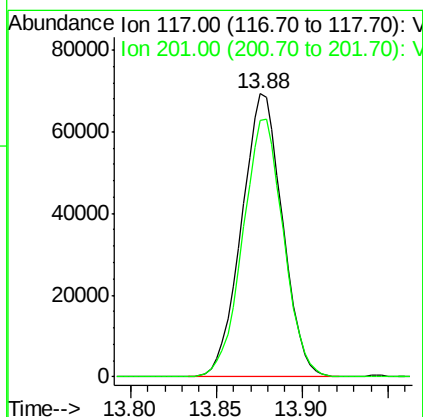
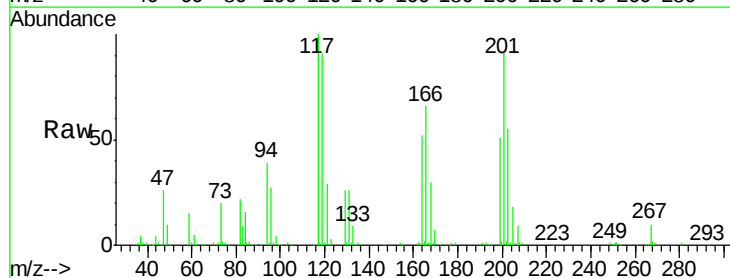
#85  
n-Butylbenzene  
Concen: 8.47 ug/l  
RT: 13.62 min Scan# 3741  
Delta R.T. 0.00 min  
Lab File: VN049763.D  
Acq: 11 Jul 2018 18:12

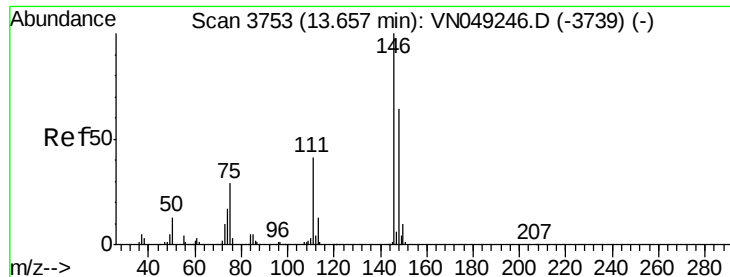
Tot Ion: 91 Resp: 412587  
Ion Ratio Lower Upper  
91 100  
92 50.9 0.0 102.8  
134 25.1 0.0 51.0



#86  
Hexachloroethane  
Concen: 10.06 ug/l  
RT: 13.88 min Scan# 3821  
Delta R.T. 0.00 min  
Lab File: VN049763.D  
Acq: 11 Jul 2018 18:12

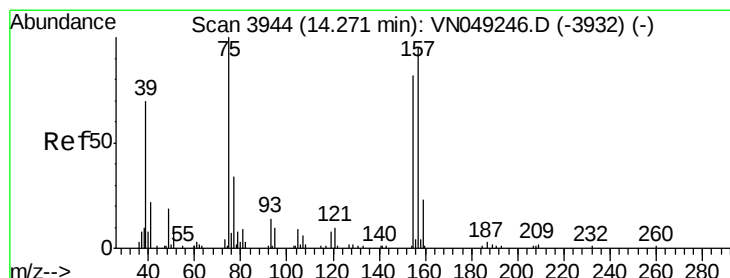
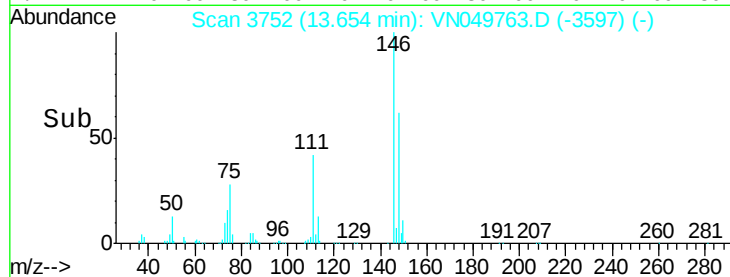
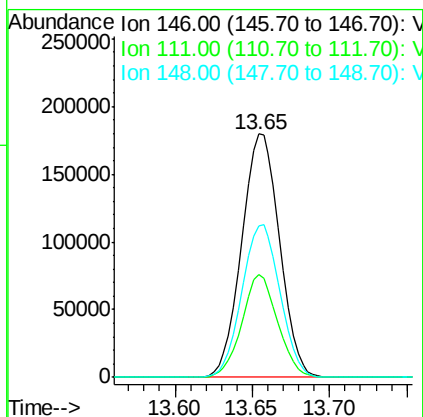
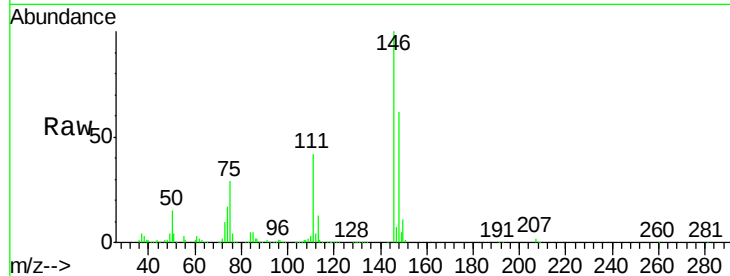
Tgt Ion: 117 Resp: 114526  
Ion Ratio Lower Upper  
117 100  
201 90.5 46.6 139.7





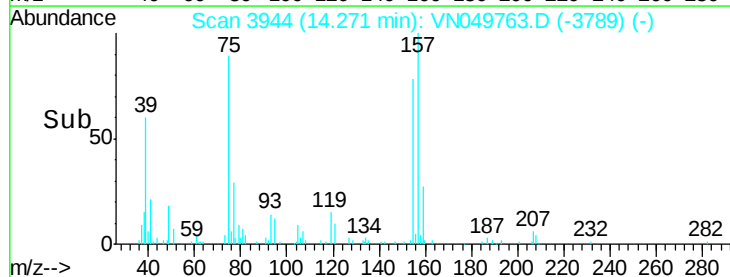
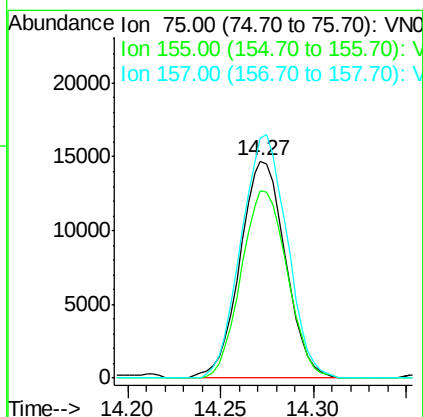
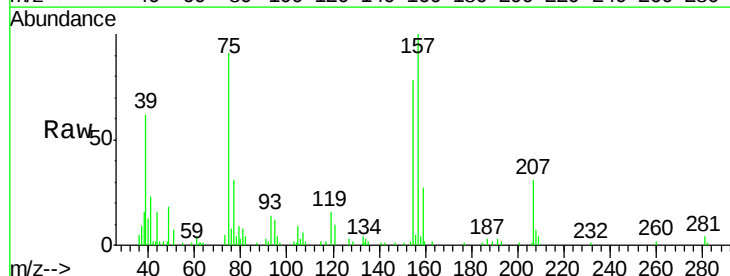
#87  
 1,2-Dichlorobenzene  
 Concen: 9.60 ug/l  
 RT: 13.65 min Scan# 3752  
 Delta R.T. -0.00 min  
 Lab File: VN049763.D  
 Acq: 11 Jul 2018 18:12

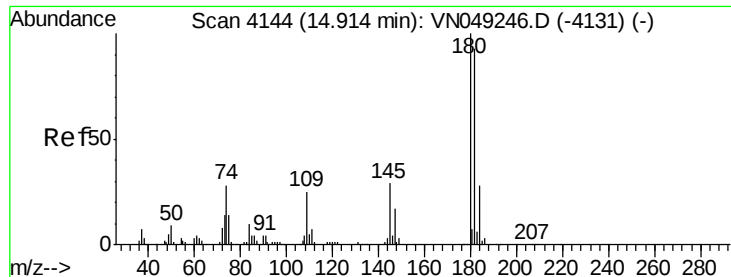
|             |       |           |
|-------------|-------|-----------|
| Tot Ion:146 | Resp: | 307115    |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 39.9  | 19.8 59.3 |
| 148         | 63.0  | 31.8 95.3 |



#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 8.97 ug/l  
 RT: 14.27 min Scan# 3944  
 Delta R.T. -0.00 min  
 Lab File: VN049763.D  
 Acq: 11 Jul 2018 18:12

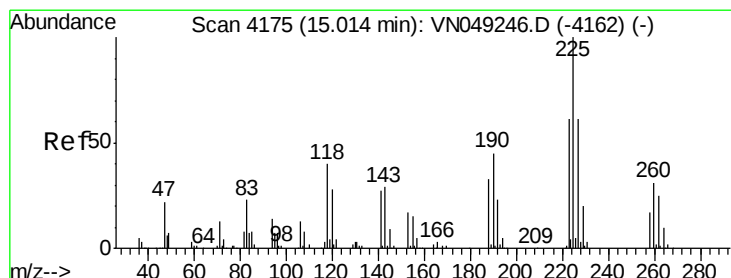
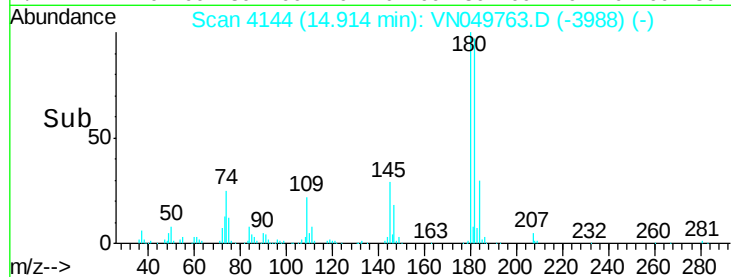
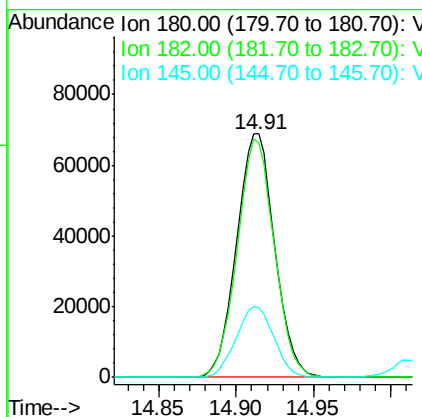
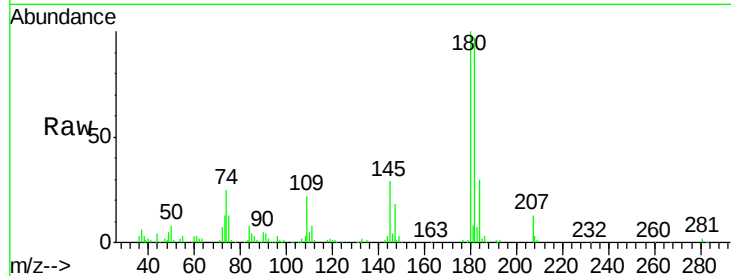
|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 75 | Resp: | 25051      |
| Ion Ratio   | Lower | Upper      |
| 75          | 100   |            |
| 155         | 87.5  | 73.0 109.6 |
| 157         | 113.5 | 94.9 142.3 |





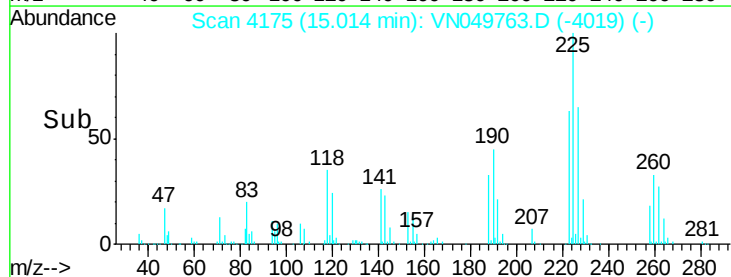
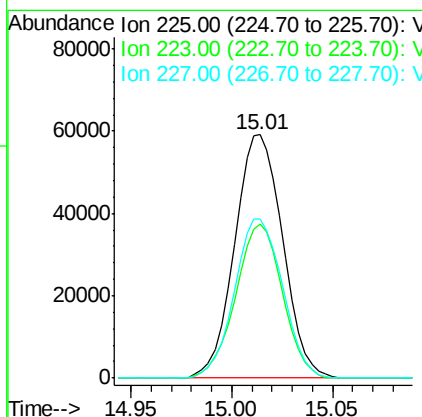
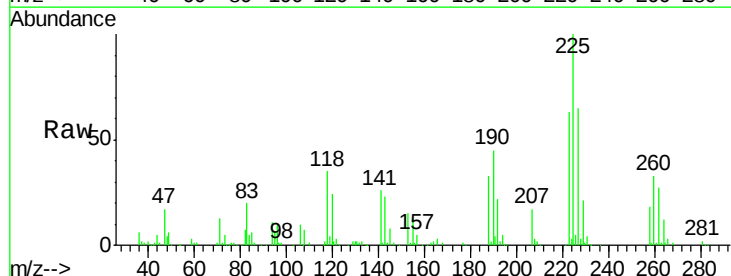
#89  
 1,2,4-Trichlorobenzene  
 Concen: 7.28 ug/l  
 RT: 14.91 min Scan# 4144  
 Delta R.T. 0.00 min  
 Lab File: VN049763.D  
 Acq: 11 Jul 2018 18:12

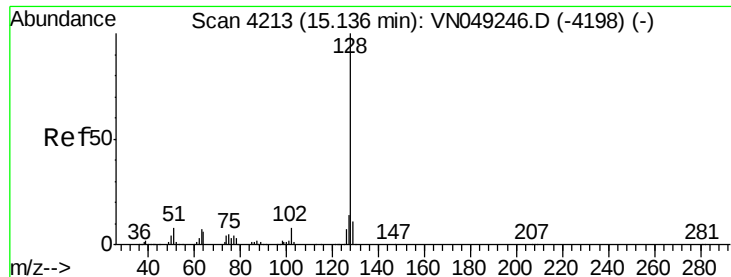
Tot Ion:180 Resp: 117674  
 Ion Ratio Lower Upper  
 180 100  
 182 95.4 76.7 115.1  
 145 28.9 23.4 35.0



#90  
 Hexachlorobutadiene  
 Concen: 9.59 ug/l  
 RT: 15.01 min Scan# 4175  
 Delta R.T. 0.00 min  
 Lab File: VN049763.D  
 Acq: 11 Jul 2018 18:12

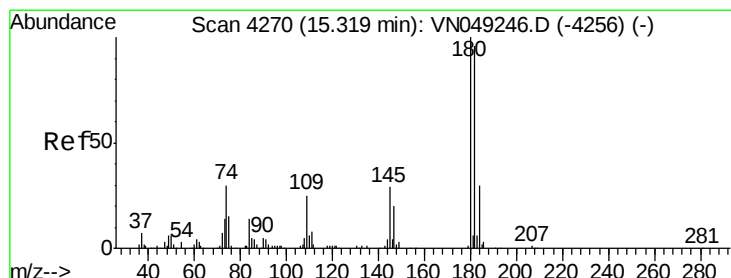
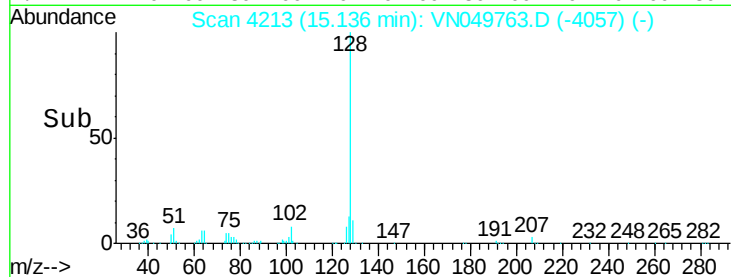
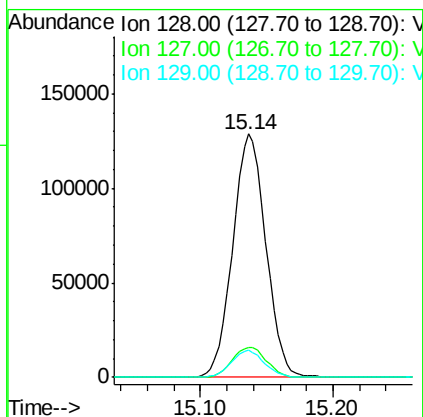
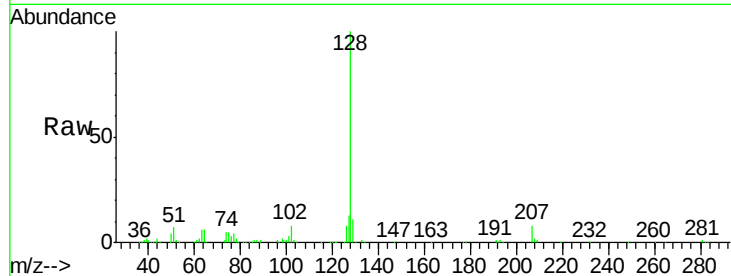
Tgt Ion:225 Resp: 98639  
 Ion Ratio Lower Upper  
 225 100  
 223 61.6 0.0 124.4  
 227 65.5 0.0 133.0





#91  
Naphthalene  
Concen: 6.27 ug/l  
RT: 15.14 min Scan# 4213  
Delta R.T. 0.00 min  
Lab File: VN049763.D  
Acq: 11 Jul 2018 18:12

Tot Ion:128 Resp: 223245  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.2 15.4  
129 11.0 9.0 13.4



#92  
1,2,3-Trichlorobenzene  
Concen: 7.71 ug/l  
RT: 15.32 min Scan# 4269  
Delta R.T. -0.00 min  
Lab File: VN049763.D  
Acq: 11 Jul 2018 18:12

Tgt Ion:180 Resp: 125013  
Ion Ratio Lower Upper  
180 100  
182 96.1 0.0 188.8  
145 30.9 0.0 60.8

