

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN071118\  
 Data File : VN049764.D  
 Acq On : 11 Jul 2018 18:37  
 Operator : MD\SY  
 Sample : VN0711WBS01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 12 01:55:46 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  | 246034   | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.59  | 114  | 1332296  | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 1174415  | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 8.03   | 65    | 506997   | 30.48    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 101.60% |
| 60) 4-Bromofluorobenzene  | 12.40  | 95    | 529515   | 29.21    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 97.37%  |
| 63) Toluene-d8            | 10.09  | 98    | 1676022  | 30.54    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 101.80% |

## Target Compounds

|                               |      |     |         |         | Qvalue     |
|-------------------------------|------|-----|---------|---------|------------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 406539  | 22.084  | ug/l 97    |
| 3) Chloromethane              | 2.06 | 50  | 398590  | 20.950  | ug/l 98    |
| 4) Vinyl Chloride             | 2.18 | 62  | 424174  | 21.068  | ug/l 99    |
| 5) Bromomethane               | 2.57 | 94  | 238807  | 19.650  | ug/l 95    |
| 6) Chloroethane               | 2.70 | 64  | 244577  | 20.930  | ug/l 99    |
| 7) Trichlorofluoromethane     | 3.01 | 101 | 541573  | 21.263  | ug/l 99    |
| 8) Diethyl Ether              | 3.41 | 74  | 178715  | 20.536  | ug/l 100   |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 324249  | 21.143  | ug/l 99    |
| 10) 1,1-Dichloroethene        | 3.74 | 96  | 290195  | 20.543  | ug/l 97    |
| 11) Methyl Iodide             | 3.96 | 142 | 422887  | 20.136  | ug/l 97    |
| 12) Methyl Acetate            | 4.33 | 43  | 290690  | 21.060  | ug/l 98    |
| 13) Acrolein                  | 3.61 | 56  | 118585  | 82.147  | ug/l 99    |
| 14) Acrylonitrile             | 4.99 | 53  | 497147  | 100.413 | ug/l 98    |
| 15) Acetone                   | 3.82 | 58  | 118437  | 94.817  | ug/l 99    |
| 16) Carbon Disulfide          | 4.05 | 76  | 892197  | 20.434  | ug/l 99    |
| 17) Allyl chloride            | 4.33 | 41  | 443563  | 19.887  | ug/l 100   |
| 18) Methylene Chloride        | 4.55 | 84  | 332093  | 19.817  | ug/l 98    |
| 19) trans-1,2-Dichloroethene  | 5.05 | 96  | 310180  | 20.797  | ug/l 98    |
| 20) Diisopropyl ether         | 5.96 | 45  | 934855  | 20.766  | ug/l 98    |
| 21) 1,1-Dichloroethane        | 5.85 | 63  | 586244  | 21.214  | ug/l 97    |
| 22) cis-1,2-Dichloroethene    | 6.83 | 96  | 342610  | 20.626  | ug/l 99    |
| 23) tert-Butyl Alcohol        | 4.80 | 59  | 49690   | 47.913  | ug/l # 100 |
| 24) Methyl tert-Butyl Ether   | 5.05 | 73  | 763588  | 20.324  | ug/l 100   |
| 25) Chloroform                | 7.37 | 83  | 584869  | 20.961  | ug/l 98    |
| 26) Cyclohexane               | 7.66 | 56  | 465032  | 19.930  | ug/l # 99  |
| 29) 1,1-Dichloropropene       | 7.80 | 75  | 433860  | 20.461  | ug/l 99    |
| 30) 2-Butanone                | 6.84 | 43  | 564752  | 95.616  | ug/l 99    |
| 31) 2,2-Dichloropropane       | 6.83 | 77  | 439703  | 19.342  | ug/l 99    |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 504852  | 20.716  | ug/l 99    |
| 33) Carbon Tetrachloride      | 7.78 | 117 | 442516  | 20.483  | ug/l 98    |
| 34) Benzene                   | 8.05 | 78  | 1311860 | 20.634  | ug/l 98    |
| 35) Methacrylonitrile         | 7.18 | 41  | 130828  | 19.392  | ug/l 90    |
| 36) 1,2-Dichloroethane        | 8.13 | 62  | 421196  | 20.753  | ug/l 99    |
| 37) Trichloroethene           | 8.84 | 130 | 337838  | 20.393  | ug/l 99    |
| 38) Methylcyclohexane         | 9.08 | 83  | 447096  | 19.571  | ug/l 99    |
| 39) 1,2-Dichloropropane       | 9.12 | 63  | 343391  | 20.802  | ug/l 99    |
| 40) Dibromomethane            | 9.21 | 93  | 207211  | 20.875  | ug/l 100   |

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 Sample : VN0711WBS01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 12 01:55:46 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) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| -----                          |       |      |          |         |        |          |
| 41) Bromodichloromethane       | 9.41  | 83   | 439391   | 20.583  | ug/l   | 100      |
| 42) Vinyl Acetate              | 5.90  | 43   | 3112327  | 99.297  | ug/l   | 100      |
| 43) Ethyl Acetate              | 6.94  | 43   | 255885   | 20.518  | ug/l # | 92       |
| 44) Isopropyl Acetate          | 8.17  | 43   | 476868   | 20.449  | ug/l   | 98       |
| 45) 1,4-Dioxane                | 9.20  | 88   | 59454    | 387.244 | ug/l   | 98       |
| 46) Methyl methacrylate        | 9.20  | 41   | 224736   | 19.220  | ug/l   | 100      |
| 47) n-amyl Acetate             | 12.07 | 43   | 366241   | 18.645  | ug/l   | 99       |
| 48) t-1,3-Dichloropropene      | 10.38 | 75   | 420059   | 19.528  | ug/l   | 100      |
| 49) cis-1,3-Dichloropropene    | 9.84  | 75   | 490698   | 19.815  | ug/l   | 99       |
| 50) 1,1,2-Trichloroethane      | 10.56 | 97   | 299991   | 20.781  | ug/l   | 99       |
| 51) Ethyl methacrylate         | 10.43 | 69   | 338835   | 19.242  | ug/l   | 98       |
| 52) 1,3-Dichloropropane        | 10.71 | 76   | 485237   | 20.469  | ug/l   | 100      |
| 53) Dibromochloromethane       | 10.90 | 129  | 324835   | 19.903  | ug/l   | 98       |
| 54) 1,2-Dibromoethane          | 11.01 | 107  | 280426   | 19.987  | ug/l   | 98       |
| 55) 2-Chloroethyl vinyl ether  | 9.70  | 63   | 825959   | 92.088  | ug/l   | 100      |
| 56) Bromoform                  | 12.13 | 173  | 218238   | 19.522  | ug/l   | 99       |
| 58) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1298842  | 101.729 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.76 | 43   | 833192   | 96.947  | ug/l   | 99       |
| 61) Tetrachloroethene          | 10.63 | 164  | 305716   | 20.746  | ug/l   | 96       |
| 62) Toluene                    | 10.16 | 91   | 1403807  | 20.856  | ug/l   | 100      |
| 64) Chlorobenzene              | 11.44 | 112  | 849246   | 20.564  | ug/l   | 98       |
| 65) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 325690   | 20.780  | ug/l   | 99       |
| 66) Ethyl Benzene              | 11.51 | 91   | 1421295  | 20.129  | ug/l   | 99       |
| 67) m/p-Xylenes                | 11.62 | 106  | 1102839  | 40.603  | ug/l   | 100      |
| 68) o-Xylene                   | 11.95 | 106  | 524344   | 20.204  | ug/l   | 100      |
| 69) Styrene                    | 11.97 | 104  | 823809   | 19.886  | ug/l   | 99       |
| 70) Isopropylbenzene           | 12.25 | 105  | 1405311  | 20.417  | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 355838   | 20.143  | ug/l   | 99       |
| 72) 1,2,3-Trichloropropane     | 12.56 | 75   | 422233   | 29.852  | ug/l   | 54       |
| 73) Bromobenzene               | 12.53 | 156  | 359487   | 19.922  | ug/l   | 99       |
| 74) n-propylbenzene            | 12.59 | 91   | 1602707  | 20.115  | ug/l   | 99       |
| 75) 2-Chlorotoluene            | 12.68 | 91   | 974889   | 20.400  | ug/l   | 100      |
| 76) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 1156169  | 20.669  | ug/l   | 99       |
| 77) t-1,4-Dichloro-2-butene    | 12.30 | 75   | 88862    | 17.925  | ug/l   | 96       |
| 78) 4-Chlorotoluene            | 12.78 | 91   | 950411   | 19.944  | ug/l   | 100      |
| 79) tert-butylbenzene          | 13.00 | 119  | 971887   | 20.017  | ug/l   | 99       |
| 80) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 1160526  | 20.551  | ug/l   | 100      |
| 81) sec-Butylbenzene           | 13.17 | 105  | 1313742  | 20.145  | ug/l   | 100      |
| 82) p-Isopropyltoluene         | 13.29 | 119  | 1128851  | 20.018  | ug/l   | 100      |
| 83) 1,3-Dichlorobenzene        | 13.29 | 146  | 616995   | 19.705  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene        | 13.37 | 146  | 586785   | 19.564  | ug/l   | 99       |
| 85) n-Butylbenzene             | 13.62 | 91   | 865825   | 18.859  | ug/l   | 100      |
| 86) Hexachloroethane           | 13.88 | 117  | 211075   | 19.677  | ug/l   | 97       |
| 87) 1,2-Dichlorobenzene        | 13.65 | 146  | 621455   | 20.607  | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 53173    | 20.212  | ug/l   | 97       |
| 89) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 286555   | 18.817  | ug/l   | 99       |
| 90) Hexachlorobutadiene        | 15.01 | 225  | 191719   | 19.783  | ug/l   | 97       |
| 91) Naphthalene                | 15.14 | 128  | 583111   | 17.374  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene     | 15.32 | 180  | 303590   | 19.874  | ug/l   | 99       |
| -----                          |       |      |          |         |        |          |

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Operator : MD\SY  
Sample : VN0711WBS01  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 12 01:55:46 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

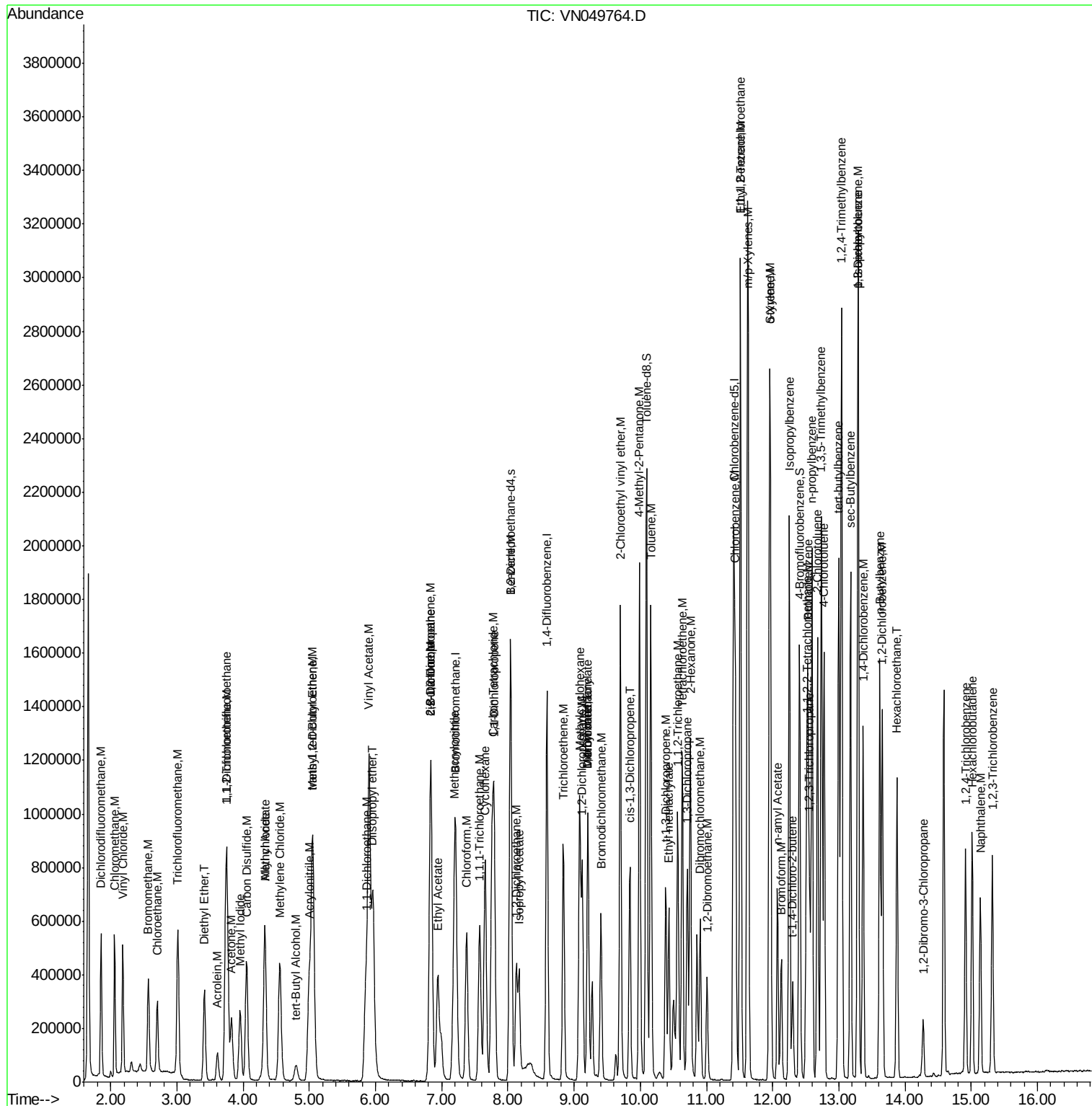
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

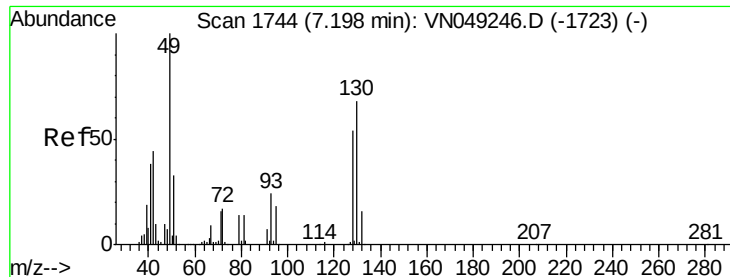
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN071118\
Data File : VN049764.D
Acq On    : 11 Jul 2018   18:37
Operator  : MD\SY
Sample    : VN0711WBS01
Misc      : 5.00mL/MSVOA_N/WATER
ALS Vial  : 12      Sample Multiplier: 1
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Quant Time: Jul 12 01:55:46 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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

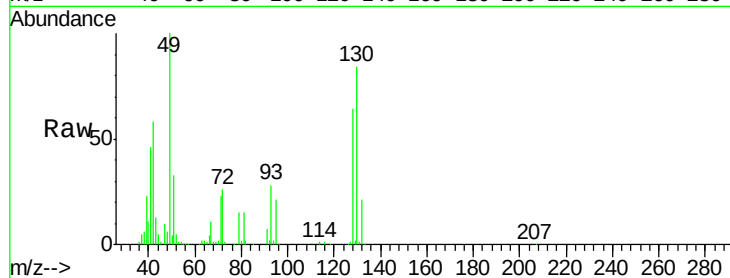
Tgt Ion: 128 Resp: 246034

Ion Ratio Lower Upper

128 100

49 154.4 0.0 378.3

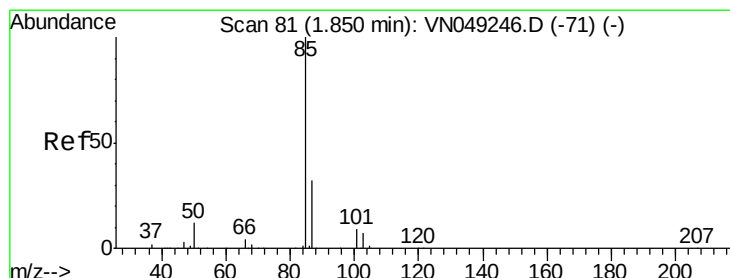
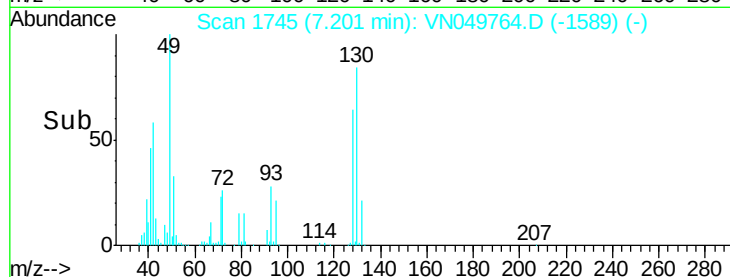
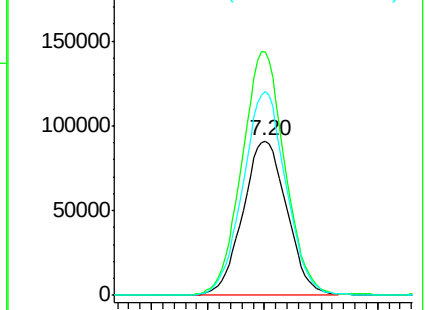
130 130.0 0.0 320.7



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: 22.084 ug/l

RT: 1.85 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN049764.D

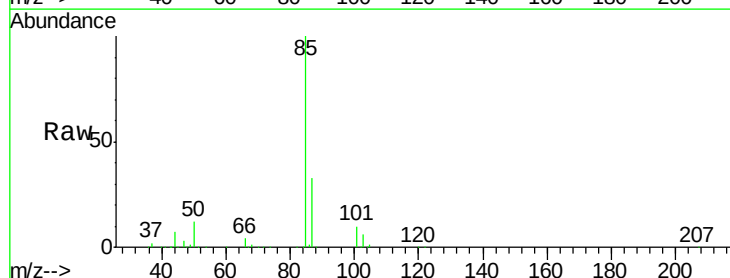
Acq: 11 Jul 2018 18:37

Tgt Ion: 85 Resp: 406539

Ion Ratio Lower Upper

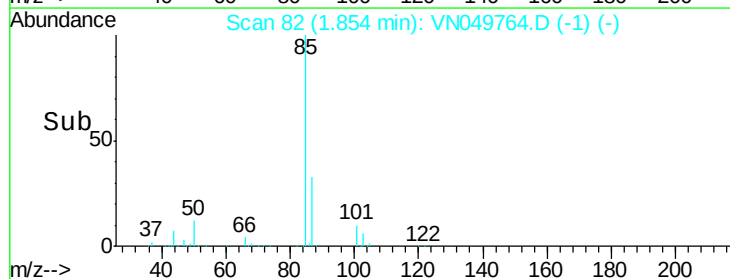
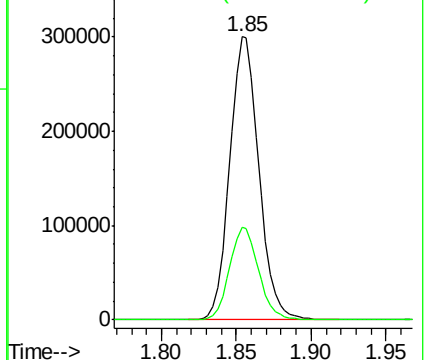
85 100

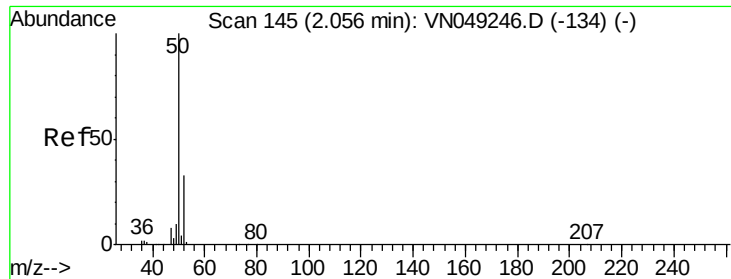
87 32.7 15.4 46.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.950 ug/l

RT: 2.06 min Scan# 146

Delta R.T. -0.00 min

Lab File: VN049764.D

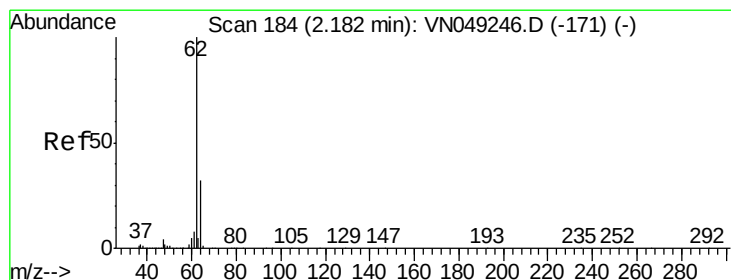
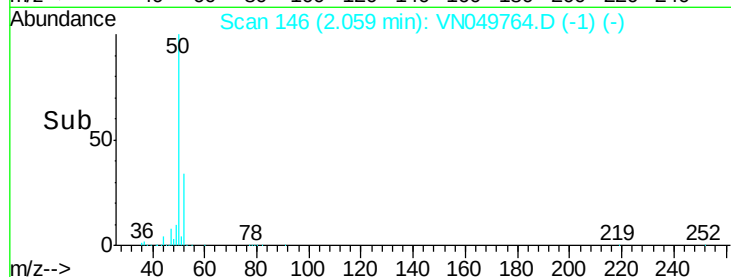
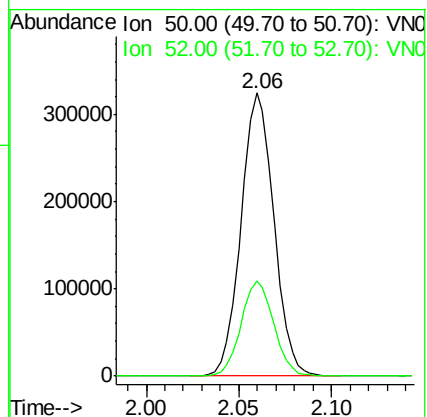
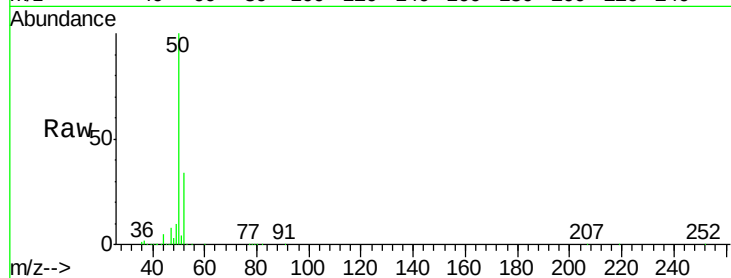
Acq: 11 Jul 2018 18:37

Tgt Ion: 50 Resp: 398590

Ion Ratio Lower Upper

50 100

52 33.6 26.1 39.1



#4

Vinyl Chloride

Concen: 21.068 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049764.D

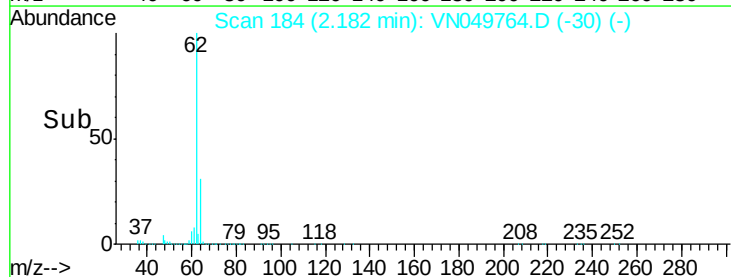
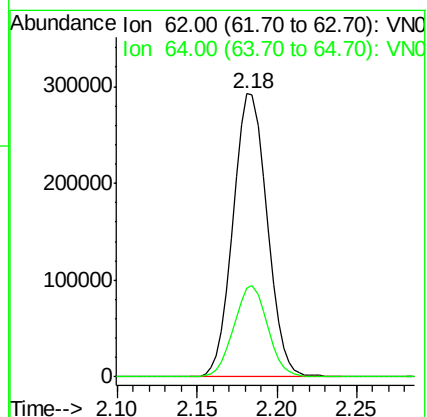
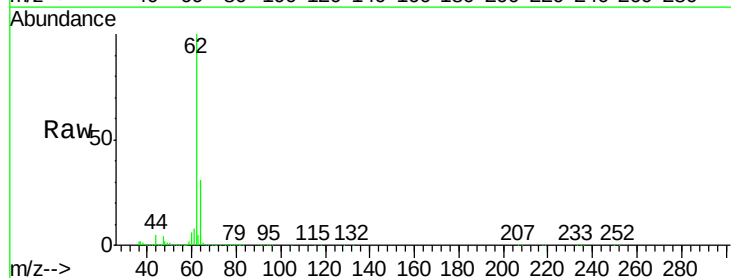
Acq: 11 Jul 2018 18:37

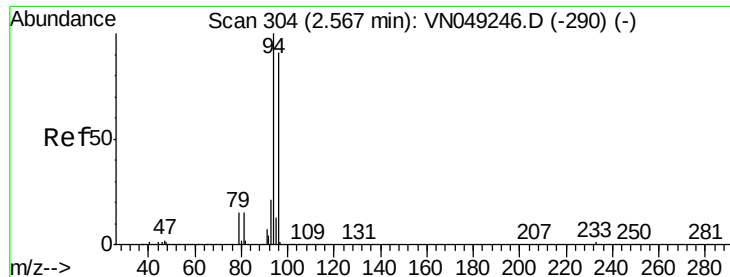
Tgt Ion: 62 Resp: 424174

Ion Ratio Lower Upper

62 100

64 31.1 24.4 36.6





#5

Bromomethane

Concen: 19.650 ug/l

RT: 2.57 min Scan# 304

Delta R.T. -0.00 min

Lab File: VN049764.D

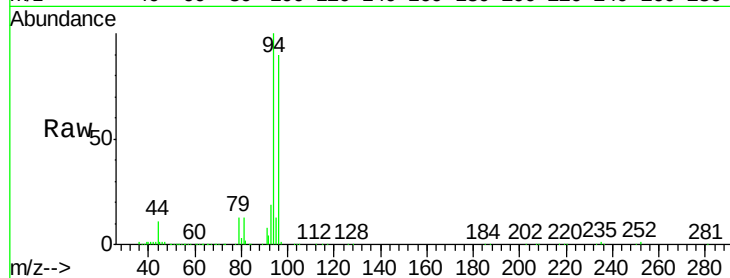
Acq: 11 Jul 2018 18:37

Tgt Ion: 94 Resp: 238807

Ion Ratio Lower Upper

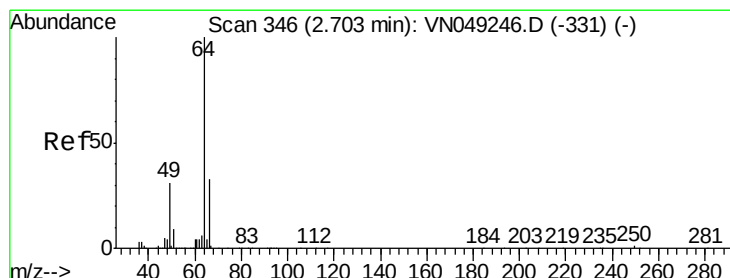
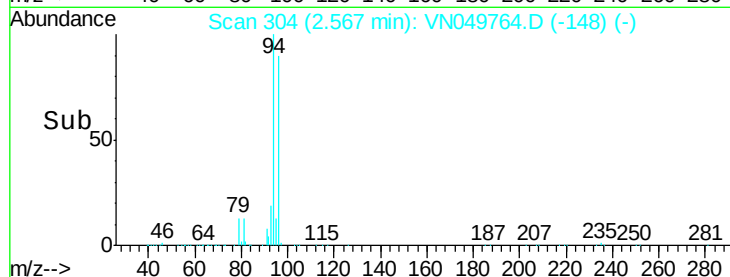
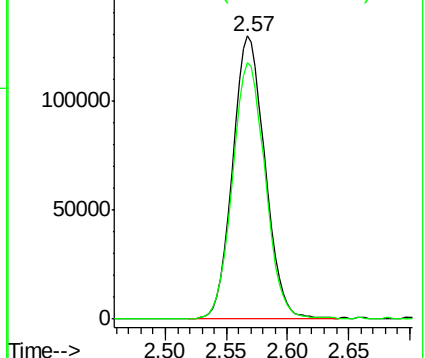
94 100

96 90.3 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VN049764.D (-148) (-)

Ion 96.00 (95.70 to 96.70): VN049764.D (-148) (-)



#6

Chloroethane

Concen: 20.930 ug/l

RT: 2.70 min Scan# 346

Delta R.T. -0.00 min

Lab File: VN049764.D

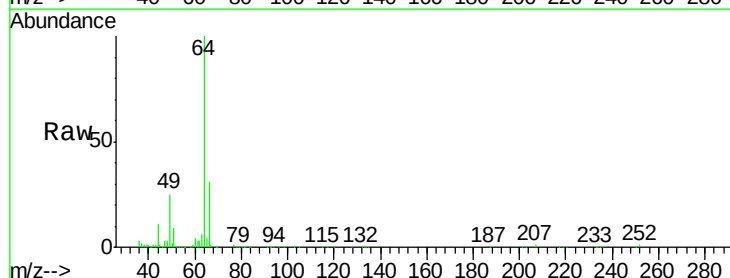
Acq: 11 Jul 2018 18:37

Tgt Ion: 64 Resp: 244577

Ion Ratio Lower Upper

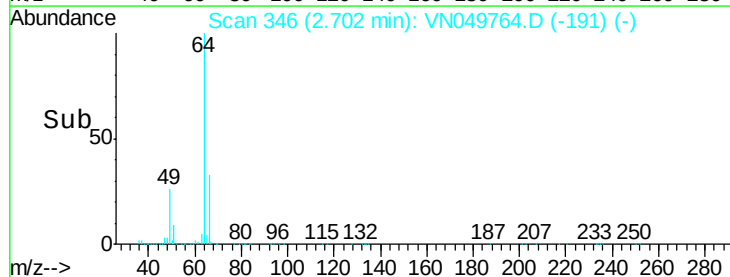
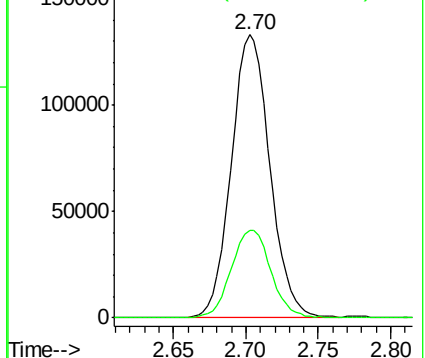
64 100

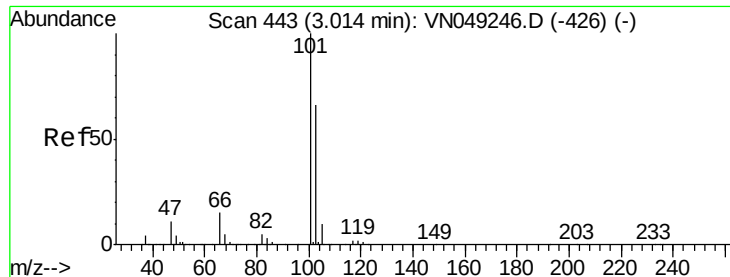
66 30.8 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN049764.D (-191) (-)

Ion 66.00 (65.70 to 66.70): VN049764.D (-191) (-)

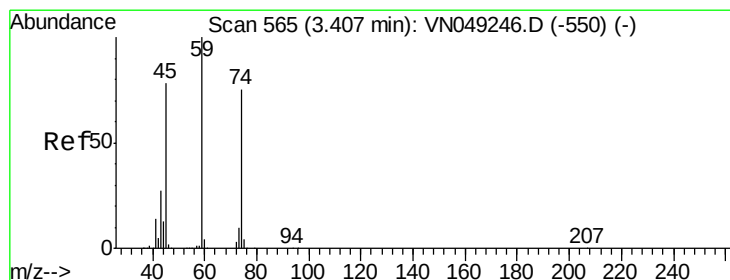
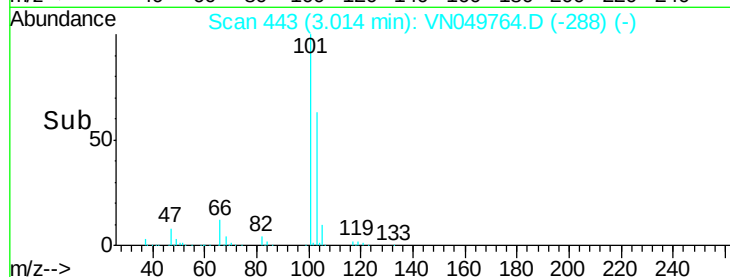
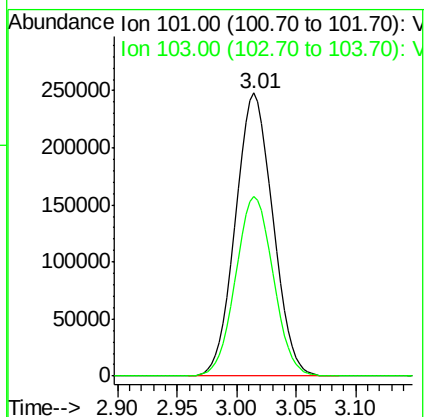
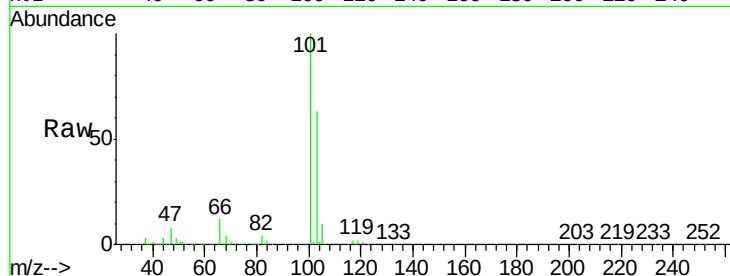




#7

Trichlorofluoromethane  
 Concen: 21.263 ug/l  
 RT: 3.01 min Scan# 443  
 Delta R.T. -0.00 min  
 Lab File: VN049764.D  
 Acq: 11 Jul 2018 18:37

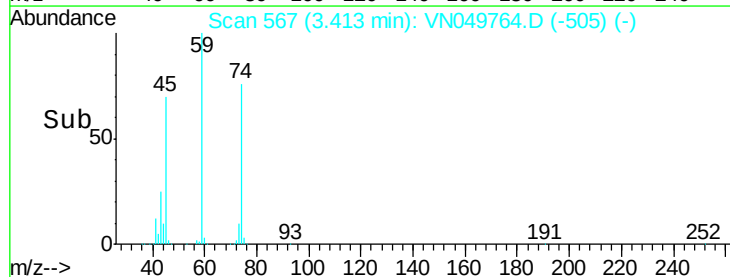
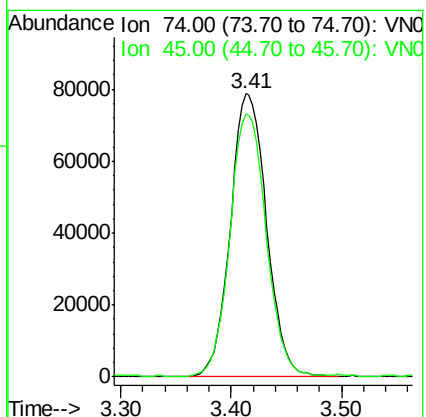
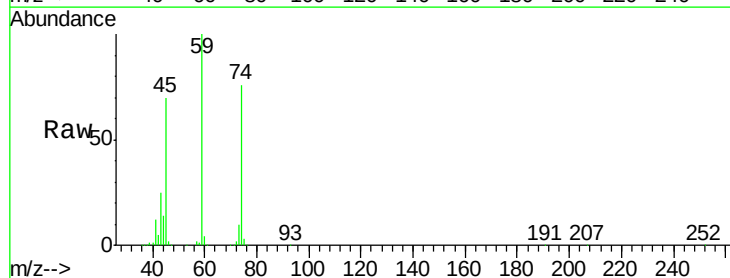
Tgt Ion: 101 Resp: 541573  
 Ion Ratio Lower Upper  
 101 100  
 103 63.2 51.5 77.3



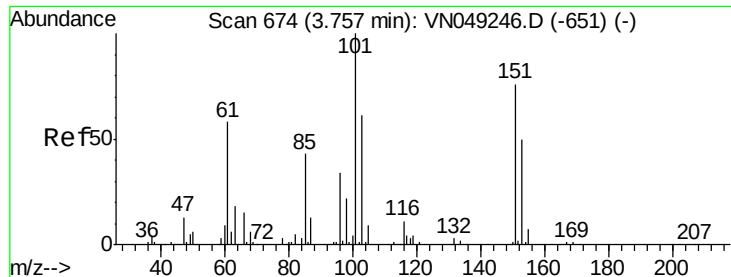
#8

Diethyl Ether  
 Concen: 20.536 ug/l  
 RT: 3.41 min Scan# 567  
 Delta R.T. -0.00 min  
 Lab File: VN049764.D  
 Acq: 11 Jul 2018 18:37

Tgt Ion: 74 Resp: 178715  
 Ion Ratio Lower Upper  
 74 100  
 45 93.6 18.7 167.9







#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.143 ug/l

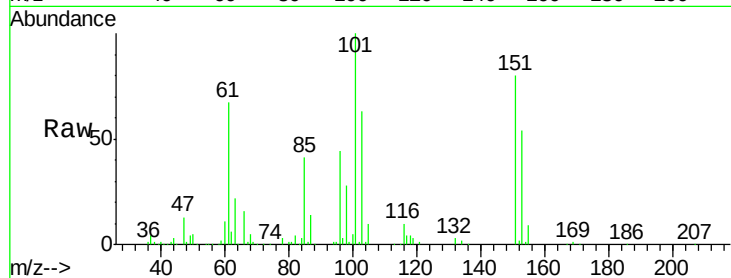
RT: 3.76 min Scan# 675

Delta R.T. 0.01 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

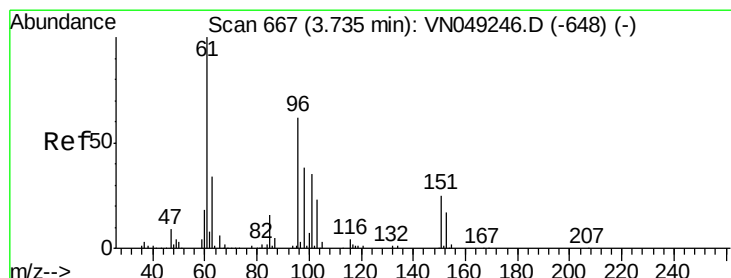
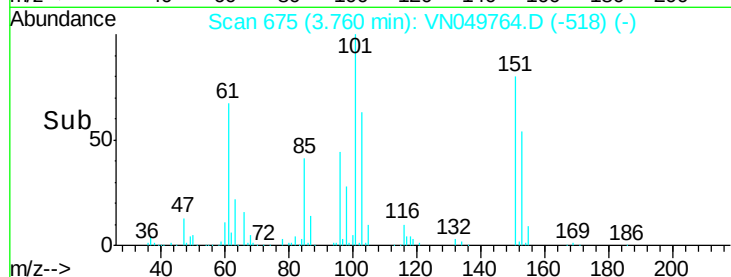
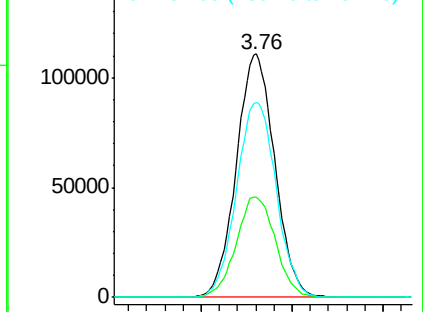
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 101   | Resp: | 324249 |
| Ion      | Ratio | Lower | Upper  |
| 101      | 100   |       |        |
| 85       | 42.1  | 0.0   | 83.0   |
| 151      | 82.8  | 0.0   | 166.8  |



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.543 ug/l

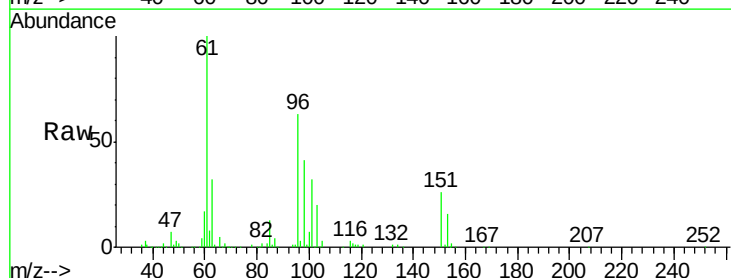
RT: 3.74 min Scan# 668

Delta R.T. 0.00 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

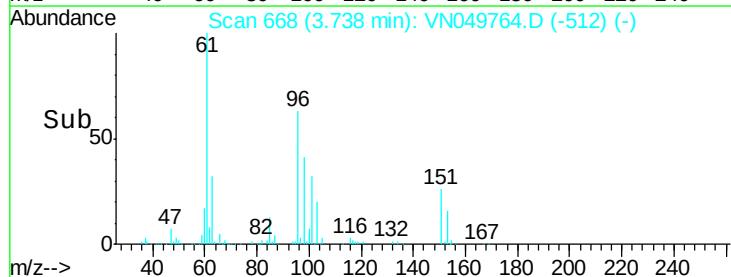
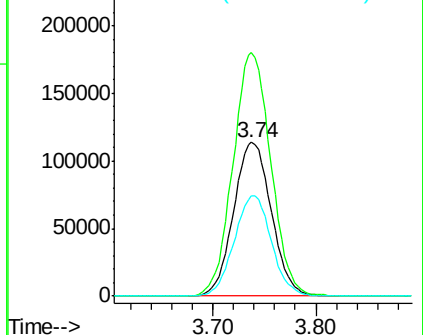
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 290195 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 158.2 | 130.6 | 195.8  |
| 98       | 65.0  | 53.5  | 80.3   |

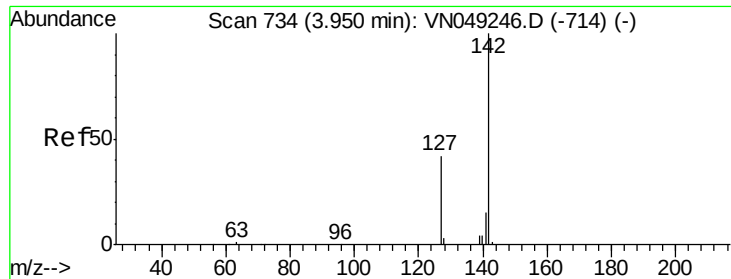


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

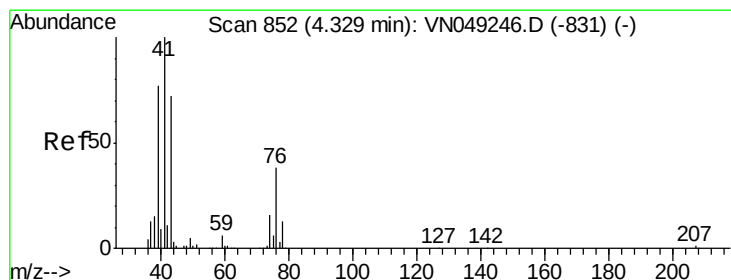
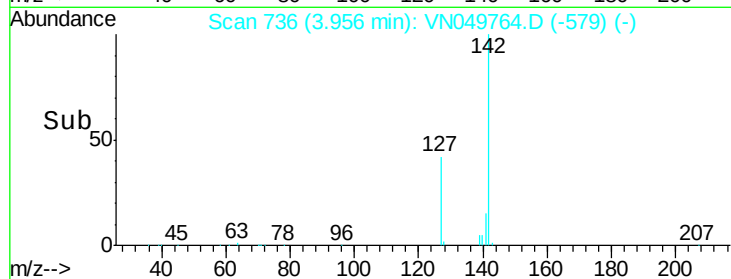
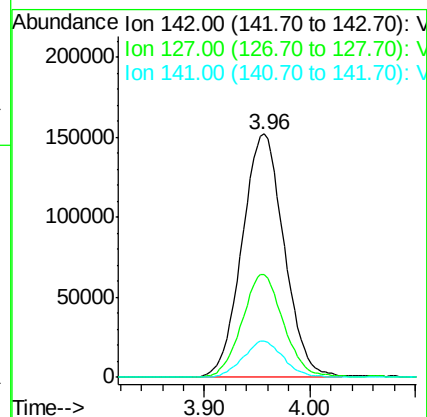
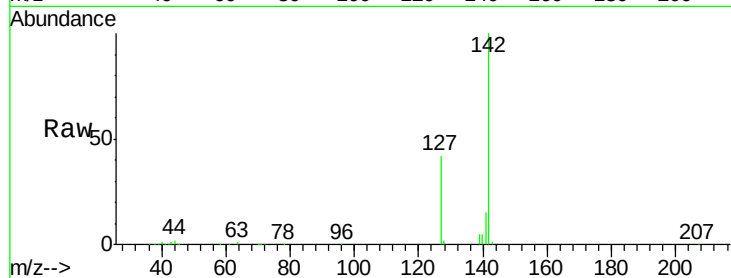
Ion 98.00 (97.70 to 98.70): VN





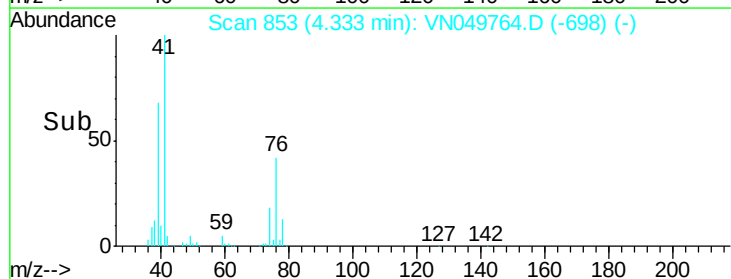
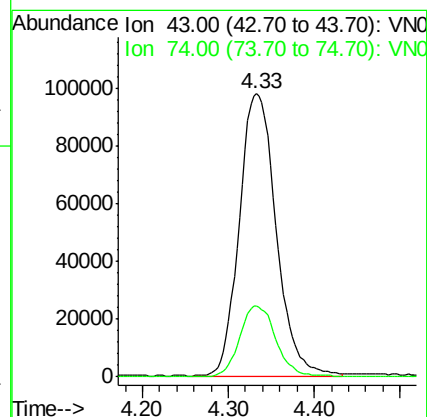
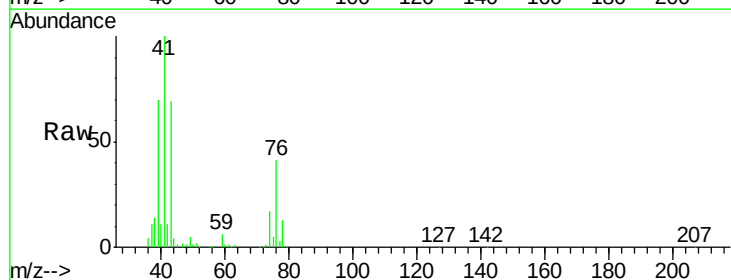
#11  
Methyl Iodide  
Concen: 20.136 ug/l  
RT: 3.96 min Scan# 736  
Delta R.T. 0.01 min  
Lab File: VN049764.D  
Acq: 11 Jul 2018 18:37

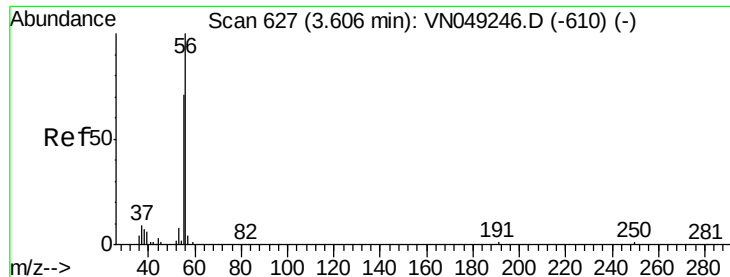
Tgt Ion: 142 Resp: 422887  
Ion Ratio Lower Upper  
142 100  
127 42.3 20.2 60.5  
141 14.7 6.9 20.6



#12  
Methyl Acetate  
Concen: 21.060 ug/l  
RT: 4.33 min Scan# 853  
Delta R.T. -0.00 min  
Lab File: VN049764.D  
Acq: 11 Jul 2018 18:37

Tgt Ion: 43 Resp: 290690  
Ion Ratio Lower Upper  
43 100  
74 25.3 19.3 28.9





#13

Acrolein

Concen: 82.147 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN049764.D

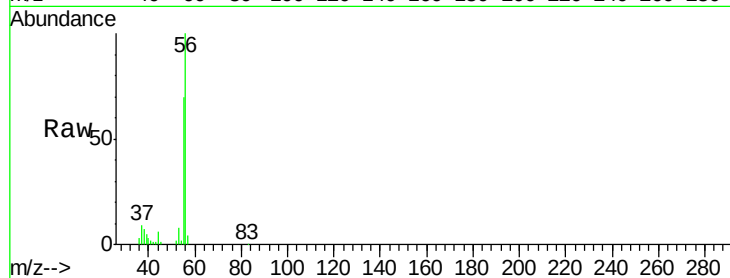
Acq: 11 Jul 2018 18:37

Tgt Ion: 56 Resp: 118585

Ion Ratio Lower Upper

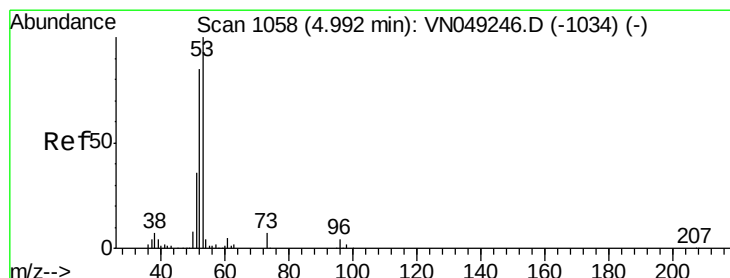
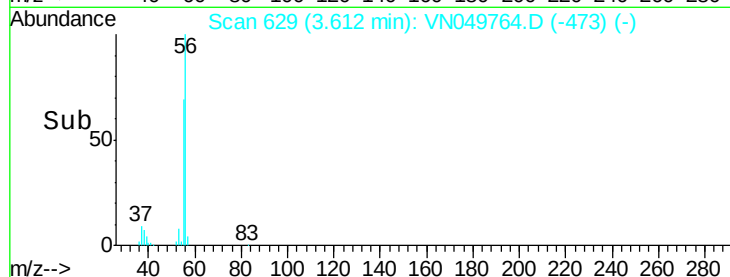
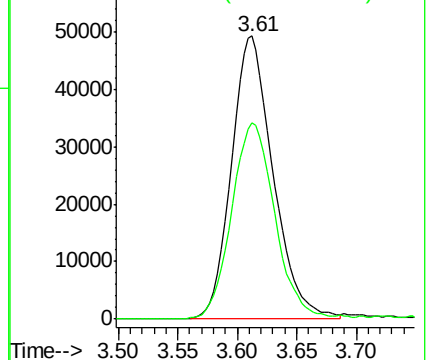
56 100

55 72.2 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 100.413 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

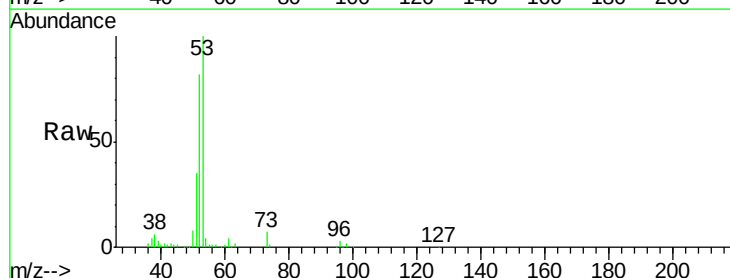
Tgt Ion: 53 Resp: 497147

Ion Ratio Lower Upper

53 100

52 81.5 41.5 124.5

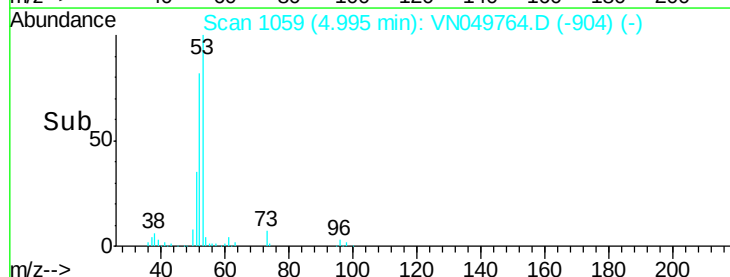
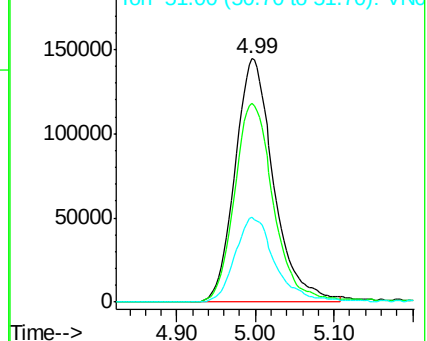
51 35.3 18.7 56.1

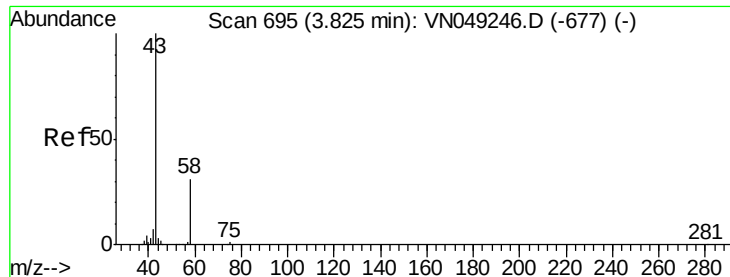


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 94.817 ug/l

RT: 3.82 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN049764.D

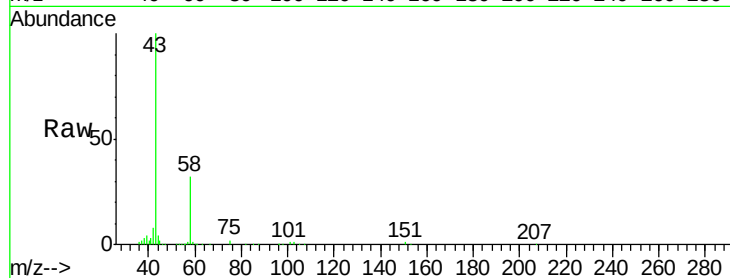
Acq: 11 Jul 2018 18:37

Tgt Ion: 58 Resp: 118437

Ion Ratio Lower Upper

58 100

43 313.7 252.0 378.0



Abundance Ion 58.00 (57.70 to 58.70): VN049764.D (-677) (-)

Ion 43.00 (42.70 to 43.70): VN049764.D (-677) (-)

150000

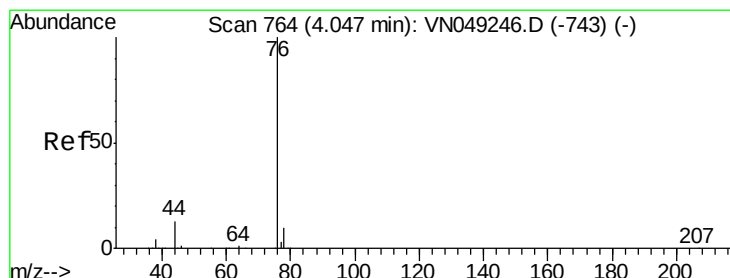
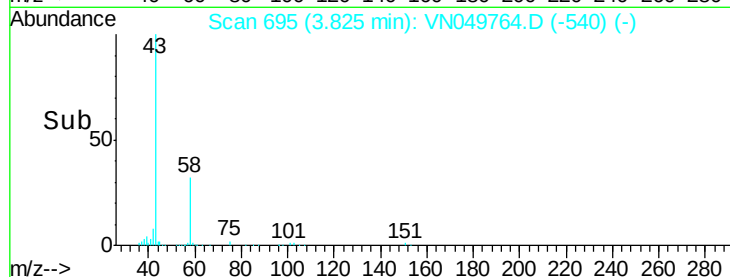
100000

50000

0

3.70 3.80 3.90

Time-->



#16

Carbon Disulfide

Concen: 20.434 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN049764.D

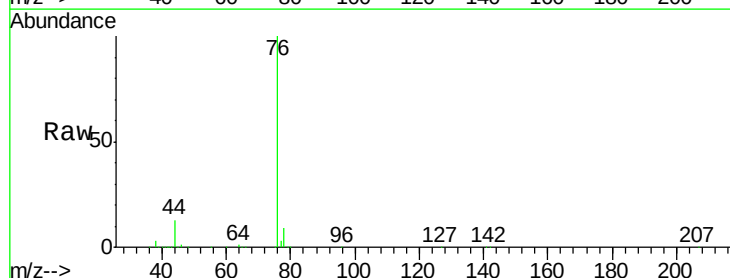
Acq: 11 Jul 2018 18:37

Tgt Ion: 76 Resp: 892197

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN049764.D (-743) (-)

Ion 78.00 (77.70 to 78.70): VN049764.D (-743) (-)

400000

300000

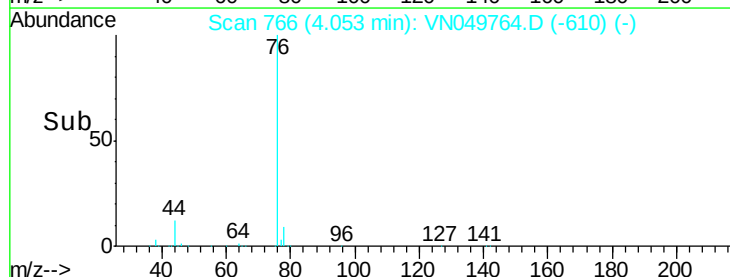
200000

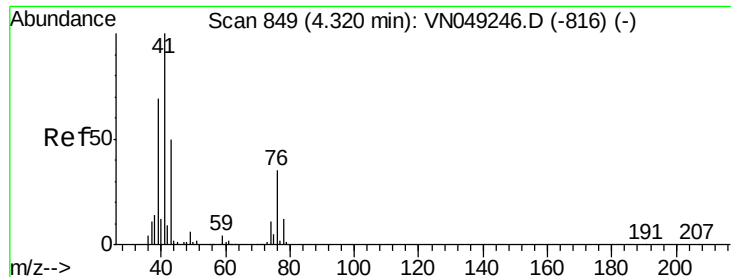
100000

0

4.00 4.10

Time-->





#17

Allyl chloride

Concen: 19.887 ug/l

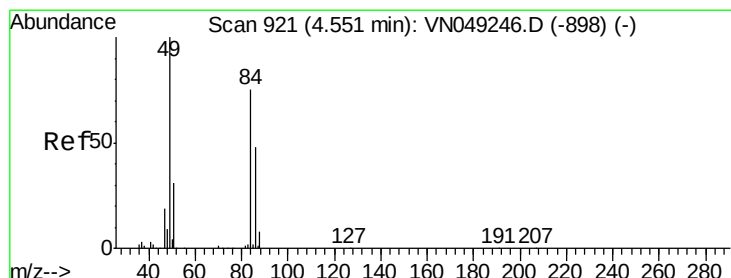
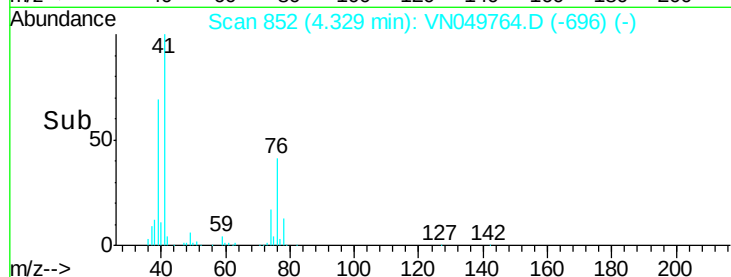
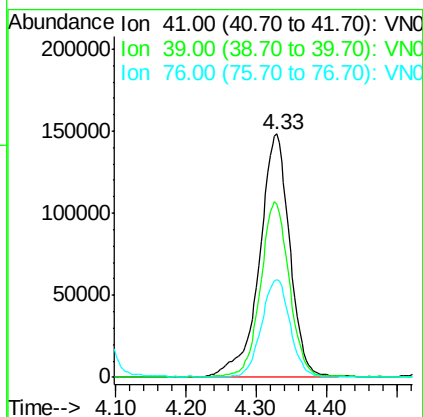
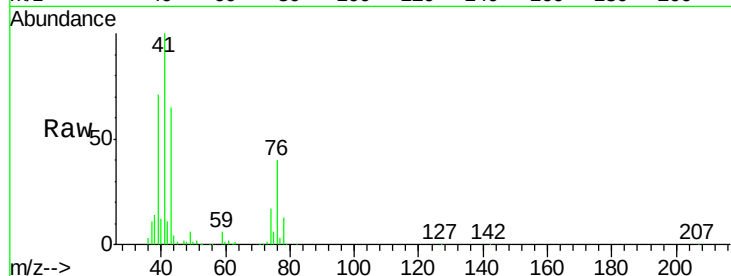
RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 443563 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 71.1  | 35.4  | 106.3  |
| 76       | 39.9  | 19.7  | 59.1   |



#18

Methylene Chloride

Concen: 19.817 ug/l

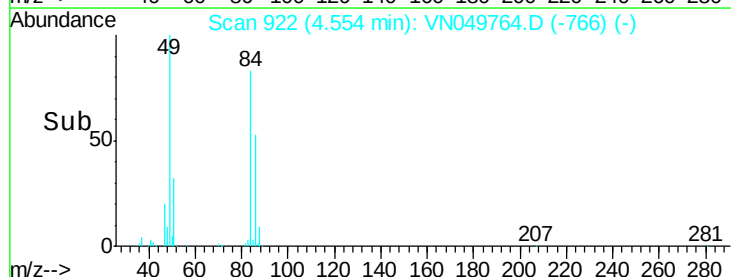
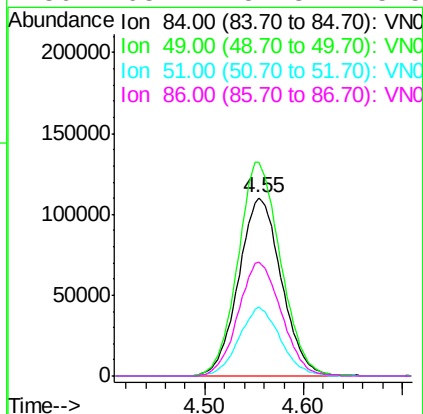
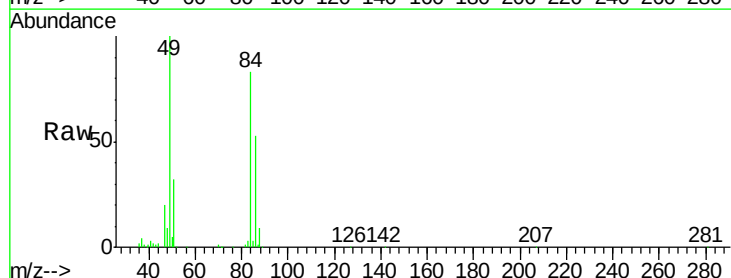
RT: 4.55 min Scan# 922

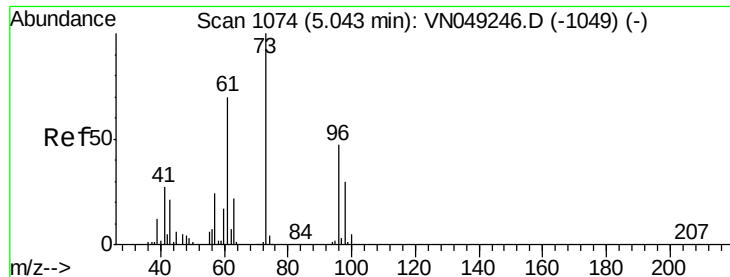
Delta R.T. 0.00 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 332093 |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 119.5 | 95.1  | 142.7  |
| 51       | 38.4  | 28.8  | 43.2   |
| 86       | 63.7  | 52.3  | 78.5   |

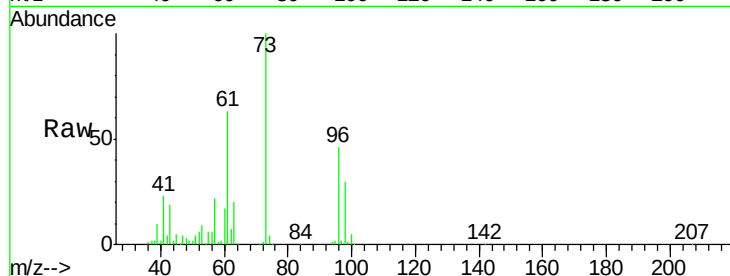




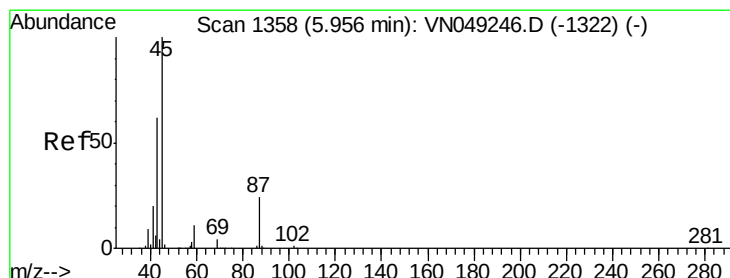
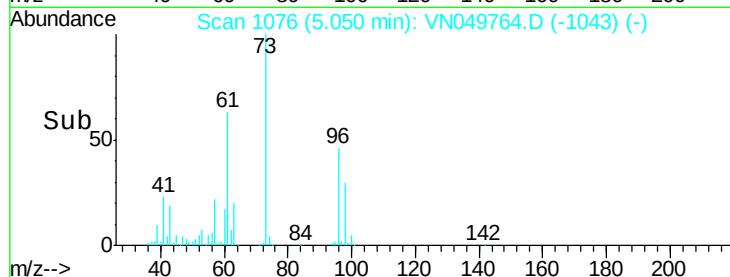
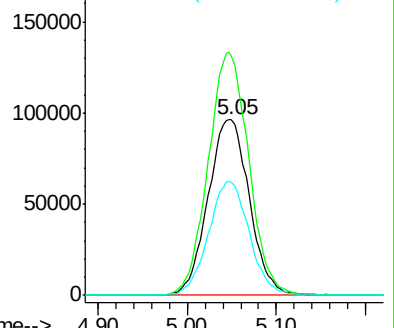
#19

trans-1,2-Dichloroethene  
Concen: 20.797 ug/l  
RT: 5.05 min Scan# 1076  
Delta R.T. 0.01 min  
Lab File: VN049764.D  
Acq: 11 Jul 2018 18:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 136.5 | 112.1 | 168.1 |
| 98      | 64.1  | 51.3  | 76.9  |



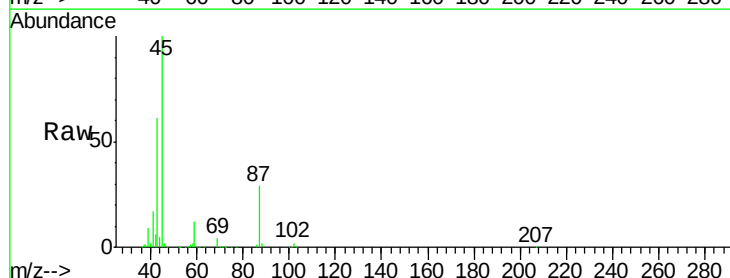
Abundance Ion 96.00 (95.70 to 96.70): VN049764.D (-1049) (-)



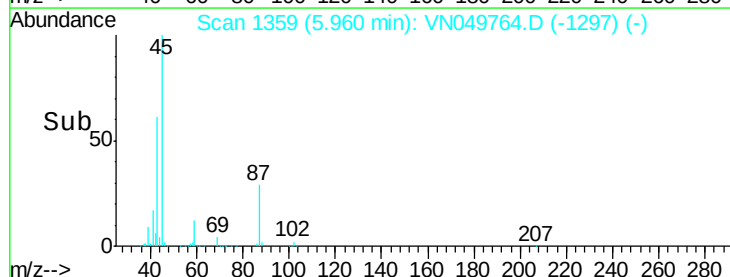
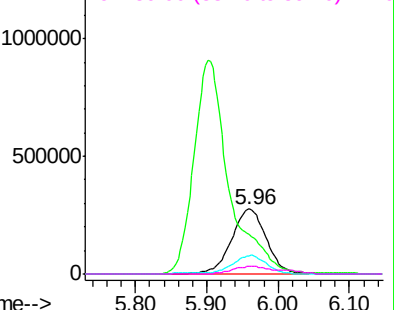
#20

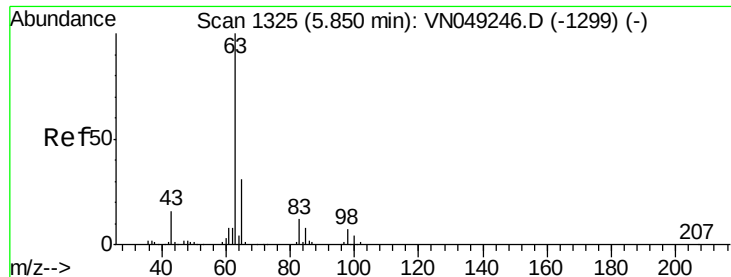
Diisopropyl ether  
Concen: 20.766 ug/l  
RT: 5.96 min Scan# 1359  
Delta R.T. -0.00 min  
Lab File: VN049764.D  
Acq: 11 Jul 2018 18:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 60.7  | 46.6  | 70.0  |
| 87      | 28.3  | 22.3  | 33.5  |
| 59      | 11.8  | 9.5   | 14.3  |



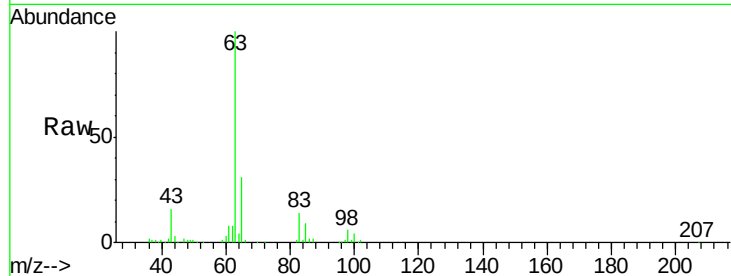
Abundance Ion 45.00 (44.70 to 45.70): VN049764.D (-1297) (-)





#21  
 1,1-Dichloroethane  
 Concen: 21.214 ug/l  
 RT: 5.85 min Scan# 1326  
 Delta R.T. -0.00 min  
 Lab File: VN049764.D  
 Acq: 11 Jul 2018 18:37

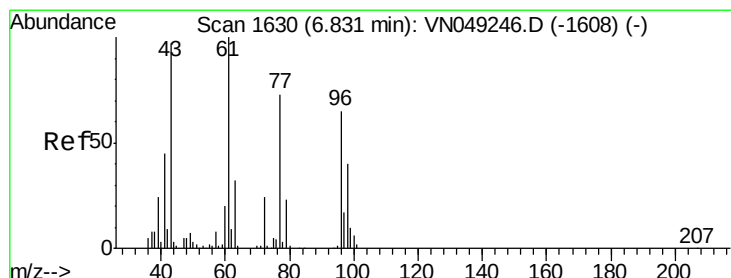
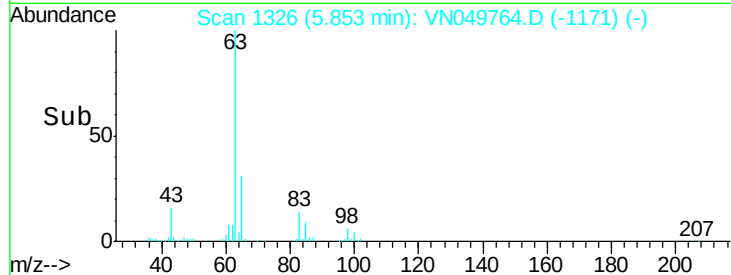
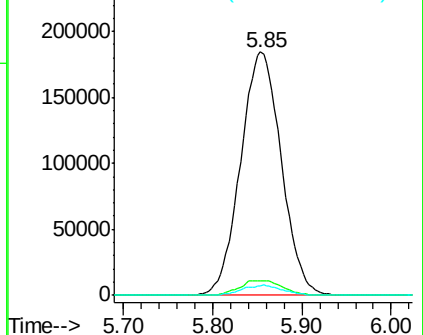
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 98      | 5.9   | 3.5   | 10.6  |
| 100     | 4.1   | 2.3   | 6.8   |



Abundance Ion 63.00 (62.70 to 63.70): VN049764.D (-1299) (-)

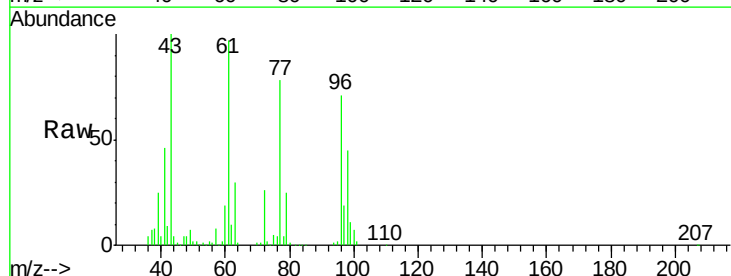
Ion 98.00 (97.70 to 98.70): VN049764.D (-1299) (-)

Ion 100.00 (99.70 to 100.70): VN049764.D (-1299) (-)



#22  
 cis-1,2-Dichloroethene  
 Concen: 20.626 ug/l  
 RT: 6.83 min Scan# 1631  
 Delta R.T. 0.00 min  
 Lab File: VN049764.D  
 Acq: 11 Jul 2018 18:37

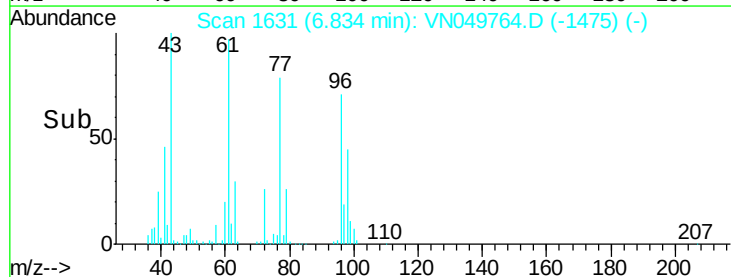
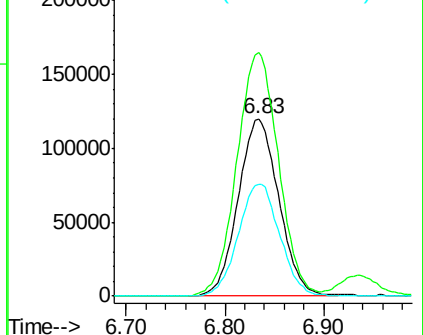
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 140.4 | 114.2 | 171.2 |
| 98      | 64.1  | 51.7  | 77.5  |

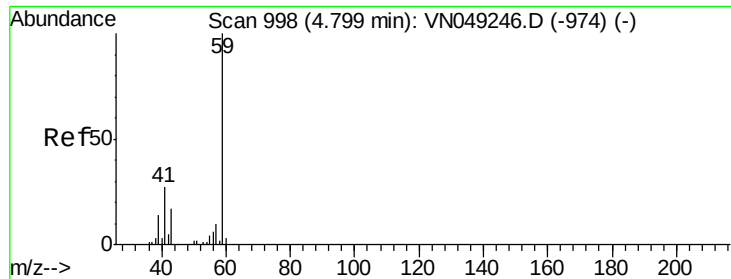


Abundance Ion 96.00 (95.70 to 96.70): VN049764.D (-1608) (-)

Ion 61.00 (60.70 to 61.70): VN049764.D (-1608) (-)

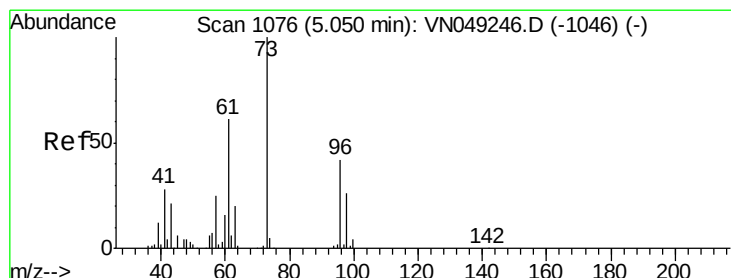
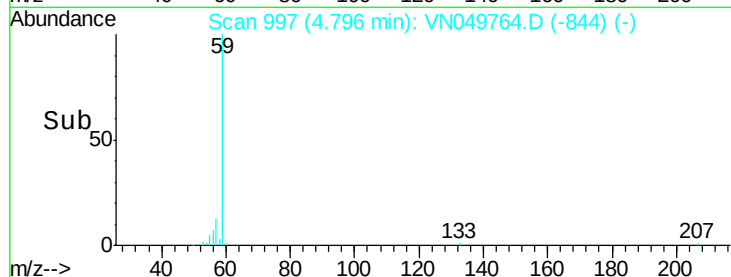
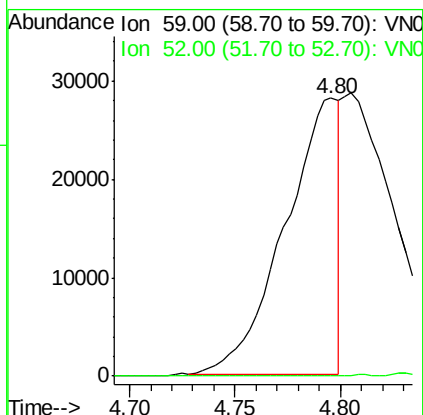
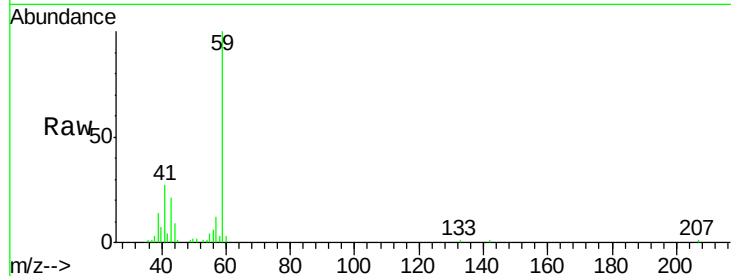
Ion 98.00 (97.70 to 98.70): VN049764.D (-1608) (-)





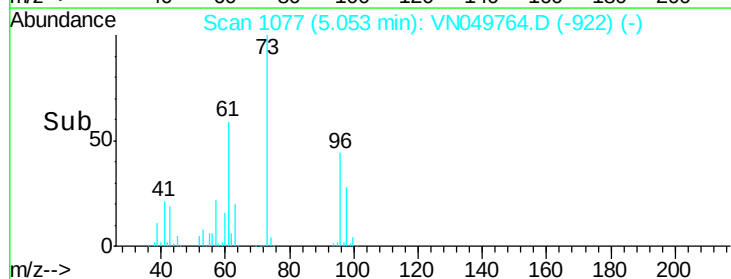
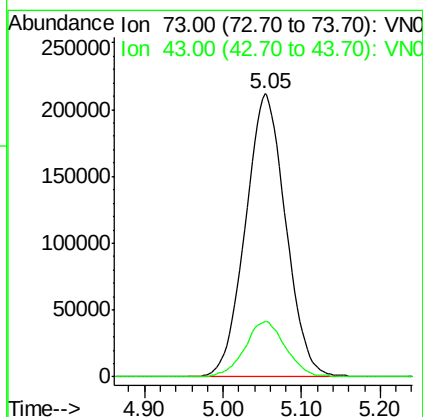
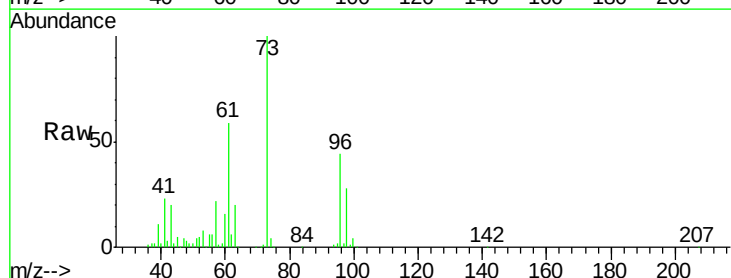
#23  
 tert-Butyl Alcohol  
 Concen: 47.913 ug/l  
 RT: 4.80 min Scan# 997  
 Delta R.T. -0.01 min  
 Lab File: VN049764.D  
 Acq: 11 Jul 2018 18:37

Tgt Ion: 59 Resp: 49690  
 Ion Ratio Lower Upper  
 59 100  
 52 0.1 0.1 0.1#

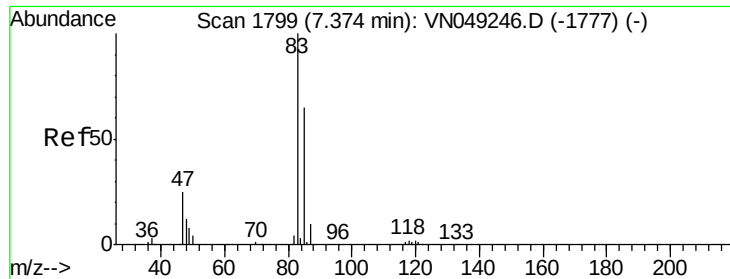


#24  
 Methyl tert-Butyl Ether  
 Concen: 20.324 ug/l  
 RT: 5.05 min Scan# 1077  
 Delta R.T. -0.00 min  
 Lab File: VN049764.D  
 Acq: 11 Jul 2018 18:37

Tgt Ion: 73 Resp: 763588  
 Ion Ratio Lower Upper  
 73 100  
 43 19.2 15.5 23.3







#25

Chloroform

Concen: 20.961 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN049764.D

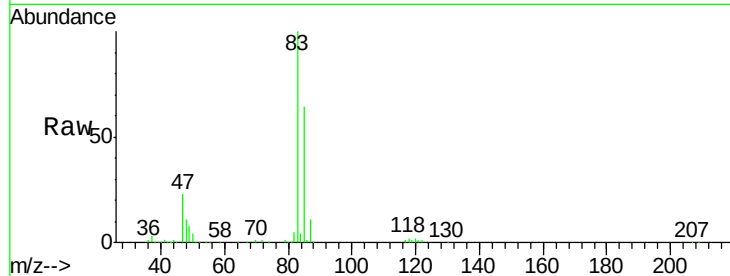
Acq: 11 Jul 2018 18:37

Tgt Ion: 83 Resp: 584869

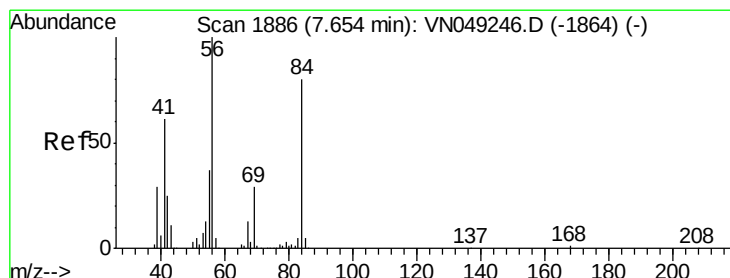
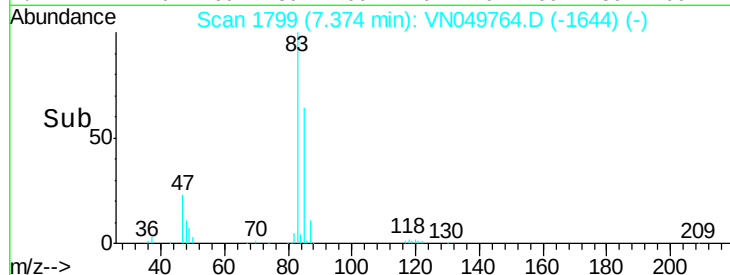
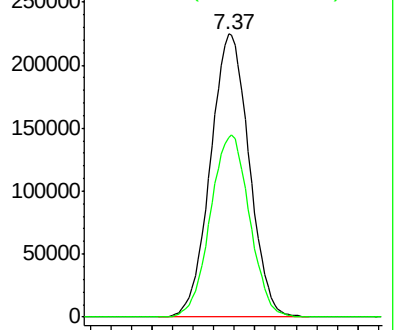
Ion Ratio Lower Upper

83 100

85 63.6 52.1 78.1



Abundance Ion 83.00 (82.70 to 83.70): VN049764.D (-1644) (-)



#26

Cyclohexane

Concen: 19.930 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

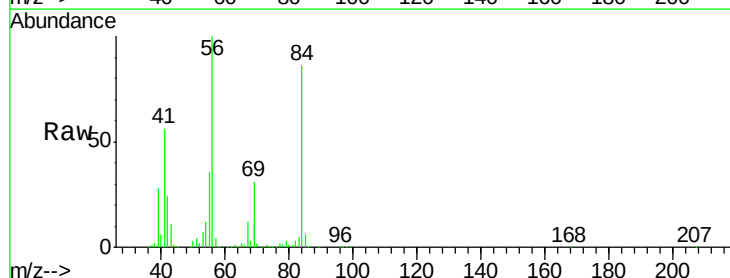
Tgt Ion: 56 Resp: 465032

Ion Ratio Lower Upper

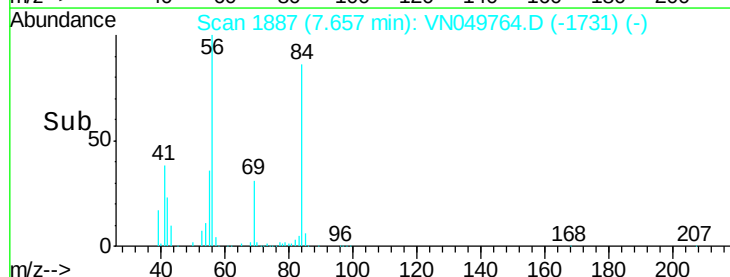
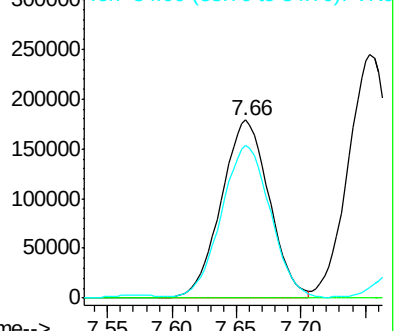
56 100

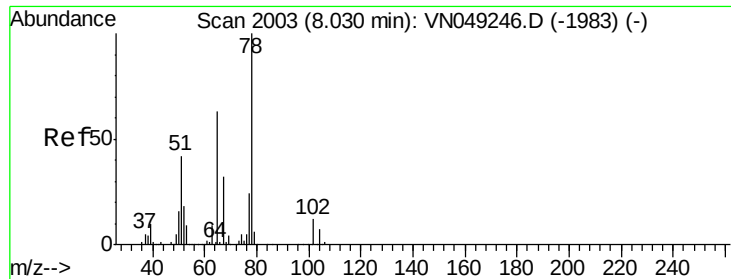
89 0.2 3.0 4.4#

84 87.9 69.8 104.8



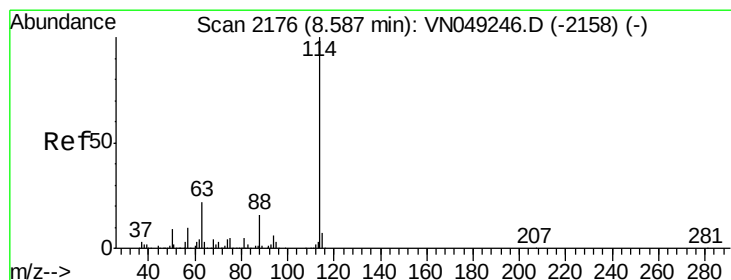
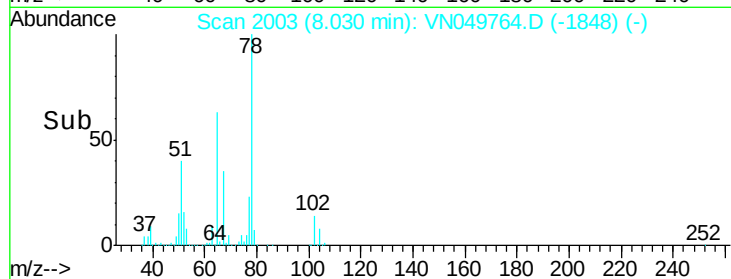
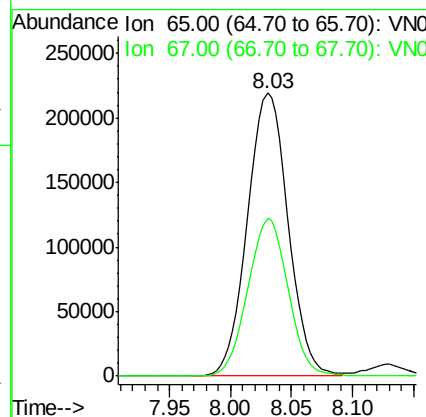
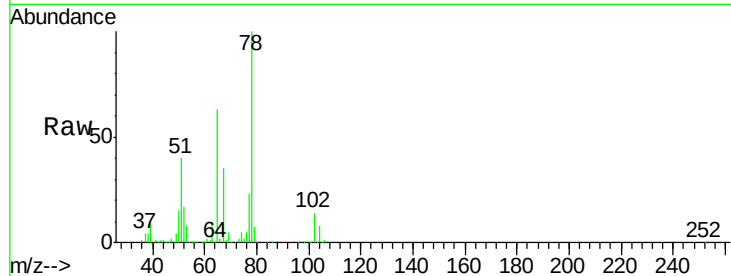
Abundance Ion 56.00 (55.70 to 56.70): VN049764.D (-1731) (-)





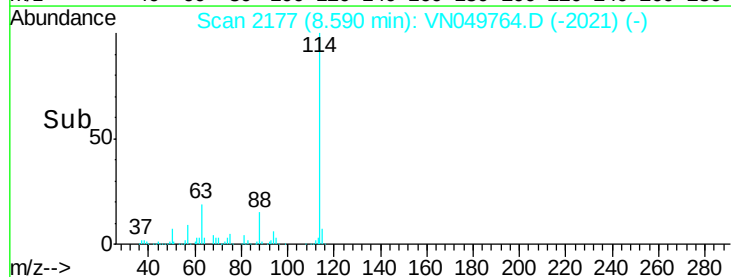
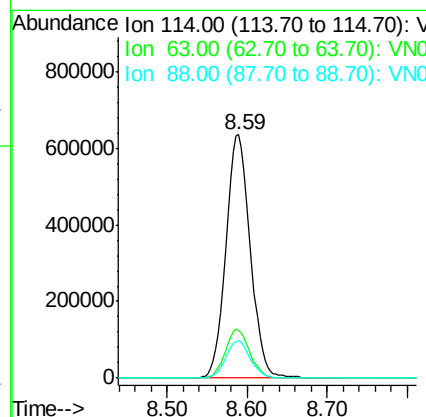
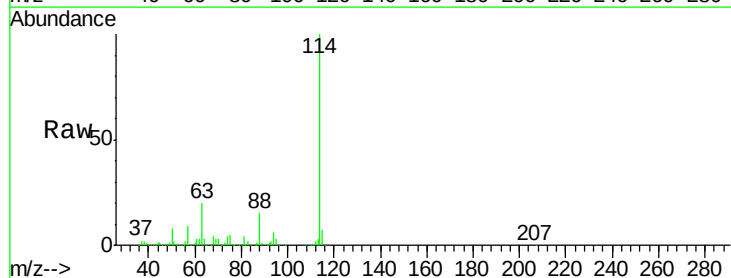
#27  
 1,2-Dichloroethane-d4  
 Concen: 30.483 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. -0.00 min  
 Lab File: VN049764.D  
 Acq: 11 Jul 2018 18:37

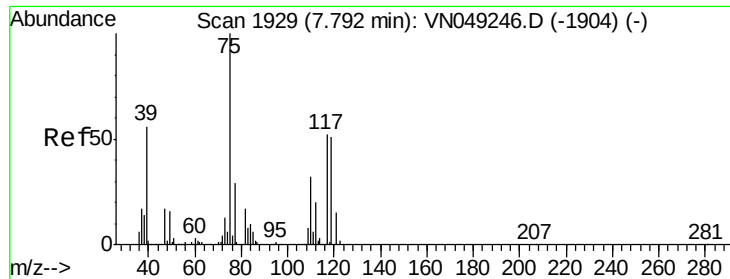
Tgt Ion: 65 Resp: 506997  
 Ion Ratio Lower Upper  
 65 100  
 67 55.0 42.7 64.1



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN049764.D  
 Acq: 11 Jul 2018 18:37

Tgt Ion: 114 Resp: 1332296  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 16.2 24.2  
 88 15.4 12.3 18.5





#29

1,1-Dichloropropene

Concen: 20.461 ug/l

RT: 7.80 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

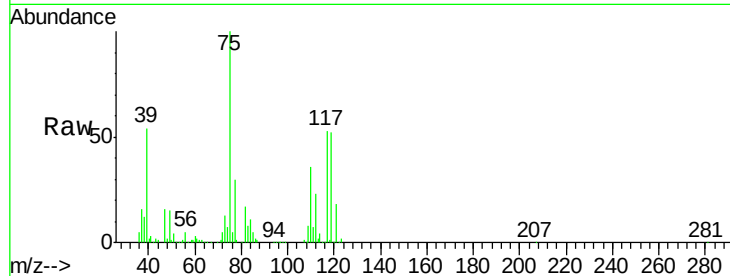
Tgt Ion: 75 Resp: 433860

Ion Ratio Lower Upper

75 100

110 36.2 0.0 73.2

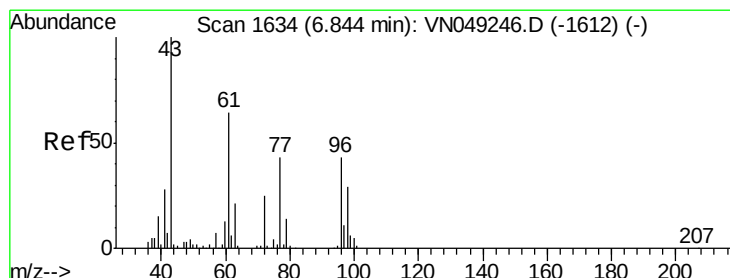
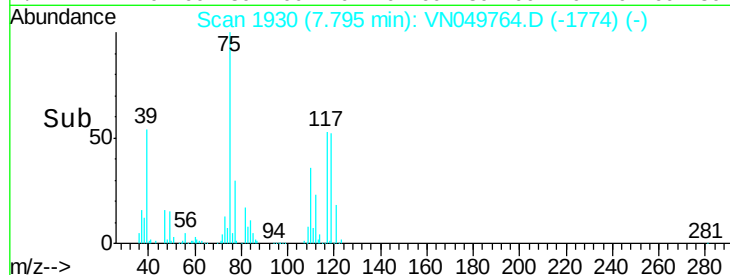
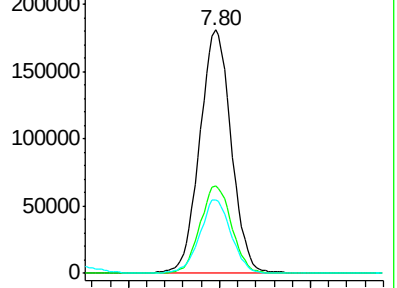
77 30.3 0.0 62.0



Abundance Ion 75.00 (74.70 to 75.70): VN049764.D (-1930) (-)

Ion 110.00 (109.70 to 110.70): VN049764.D (-1930) (-)

Ion 77.00 (76.70 to 77.70): VN049764.D (-1930) (-)



#30

2-Butanone

Concen: 95.616 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

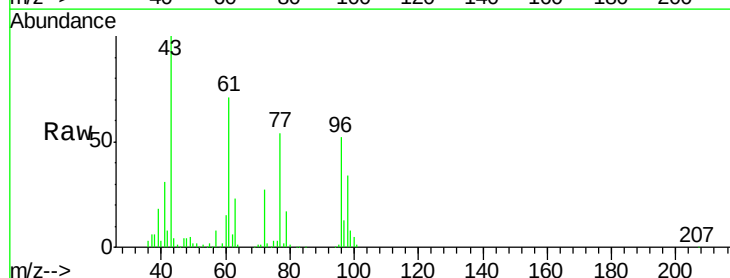
Tgt Ion: 43 Resp: 564752

Ion Ratio Lower Upper

43 100

57 8.4 6.8 10.2

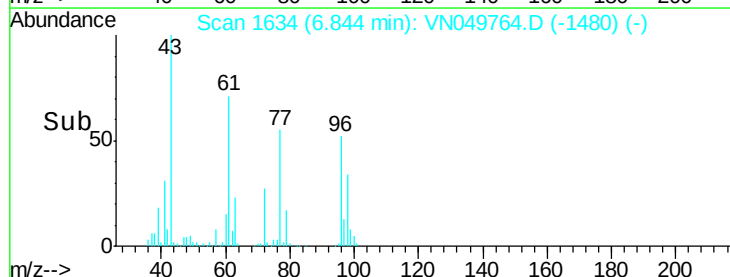
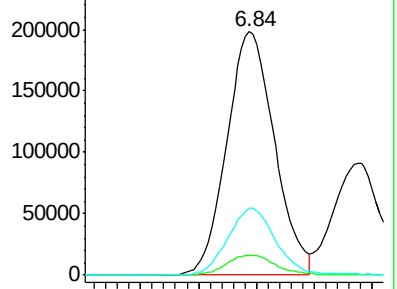
72 27.6 21.4 32.0

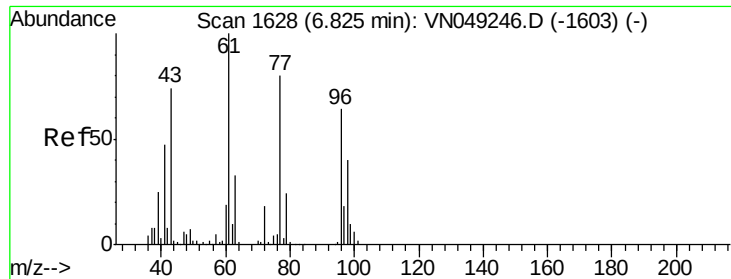


Abundance Ion 43.00 (42.70 to 43.70): VN049764.D (-1634) (-)

Ion 57.00 (56.70 to 57.70): VN049764.D (-1634) (-)

Ion 72.00 (71.70 to 72.70): VN049764.D (-1634) (-)





#31

2,2-Dichloropropane

Concen: 19.342 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049764.D

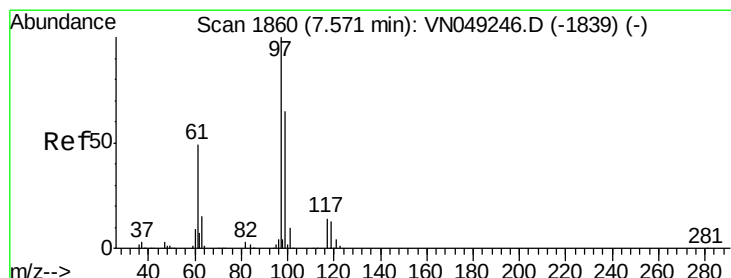
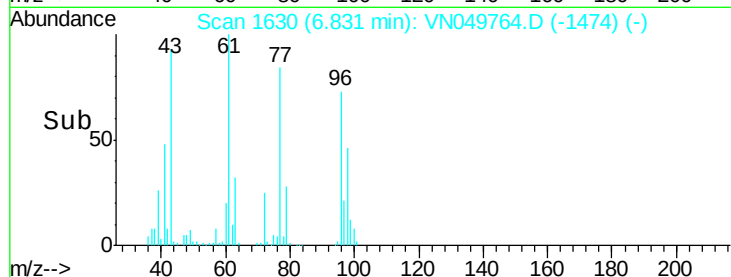
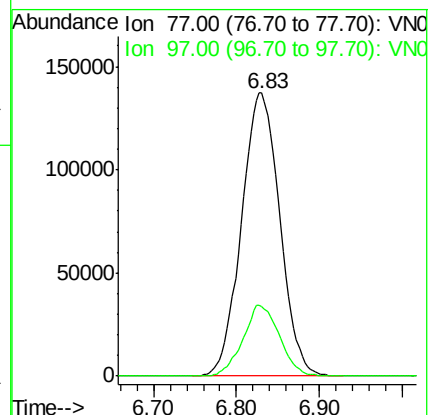
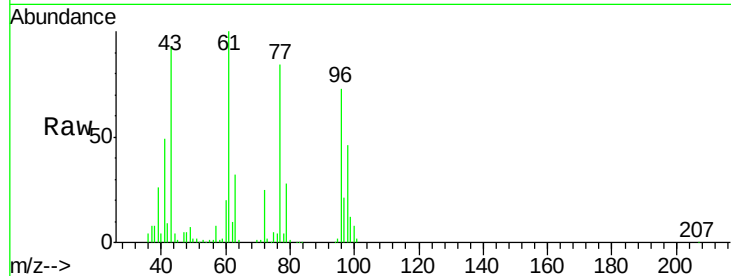
Acq: 11 Jul 2018 18:37

Tgt Ion: 77 Resp: 439703

Ion Ratio Lower Upper

77 100

97 23.8 18.9 28.3



#32

1,1,1-Trichloroethane

Concen: 20.716 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

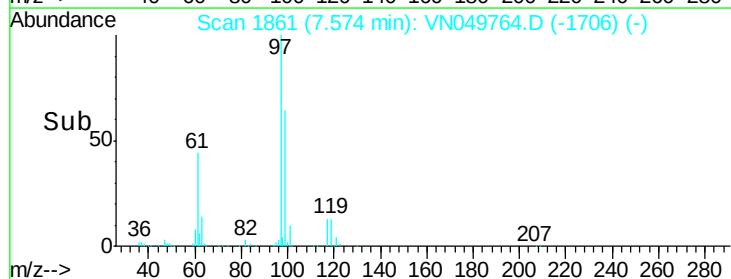
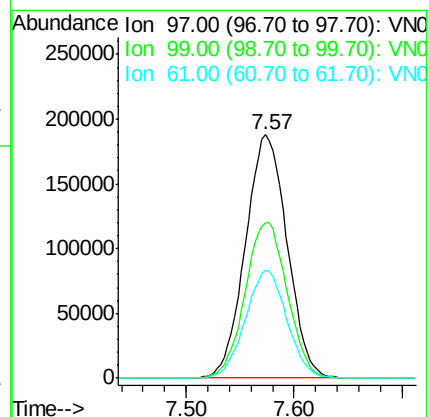
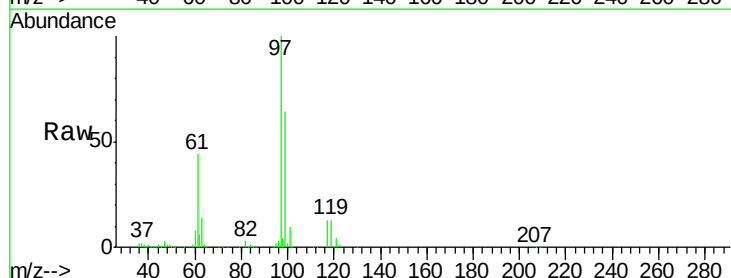
Tgt Ion: 97 Resp: 504852

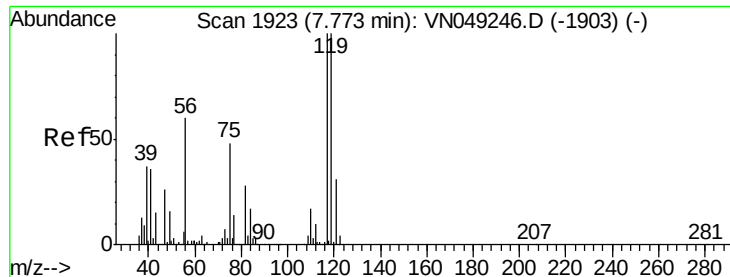
Ion Ratio Lower Upper

97 100

99 64.8 51.2 76.8

61 43.9 35.3 52.9





#33

Carbon Tetrachloride

Concen: 20.483 ug/l

RT: 7.78 min Scan# 1924

Delta R.T. -0.00 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

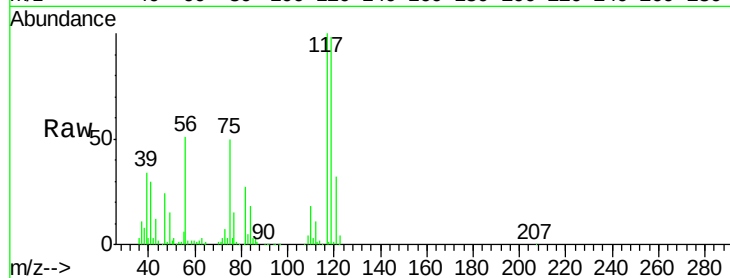
Tgt Ion: 117 Resp: 442516

Ion Ratio Lower Upper

117 100

119 98.0 76.9 115.3

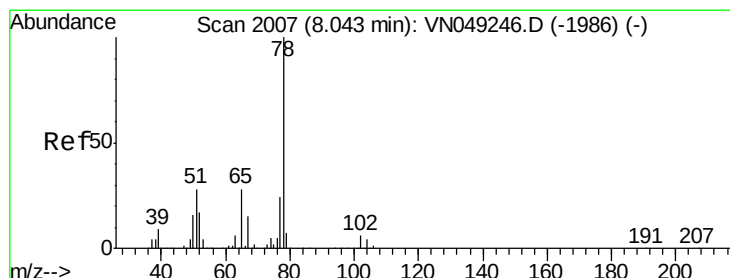
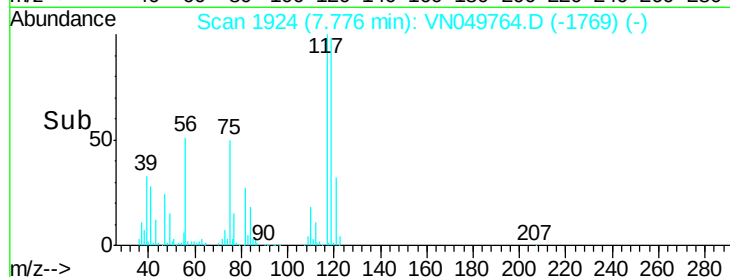
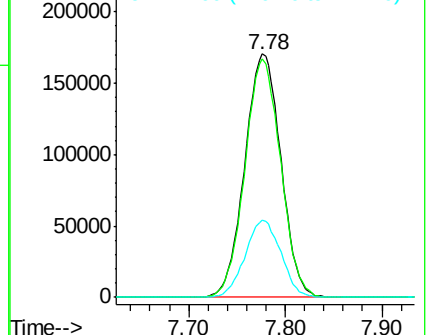
121 31.7 24.4 36.6



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: 20.634 ug/l

RT: 8.05 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

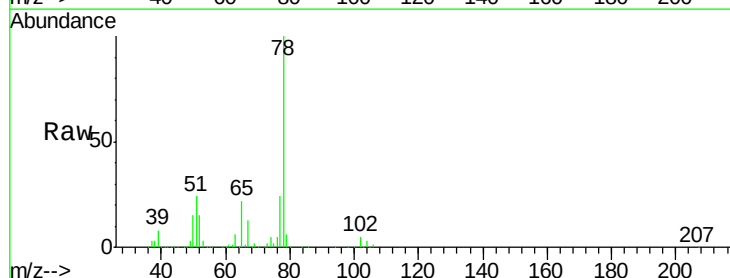
Tgt Ion: 78 Resp: 1311860

Ion Ratio Lower Upper

78 100

77 23.9 19.1 28.7

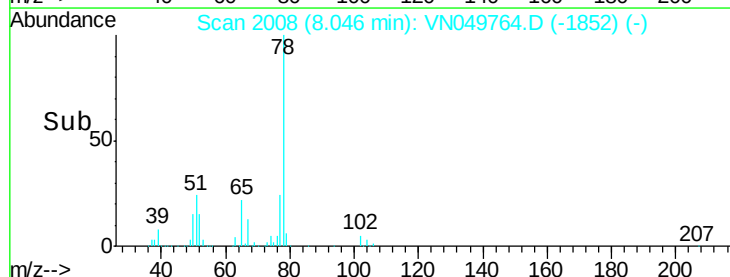
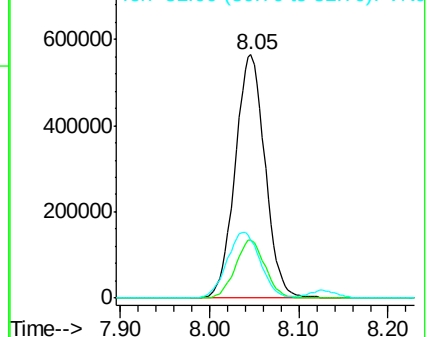
51 24.0 21.0 31.4

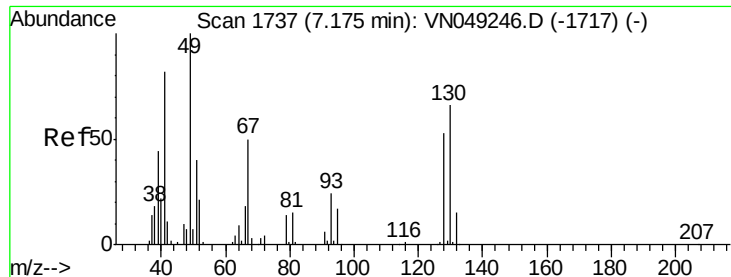


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

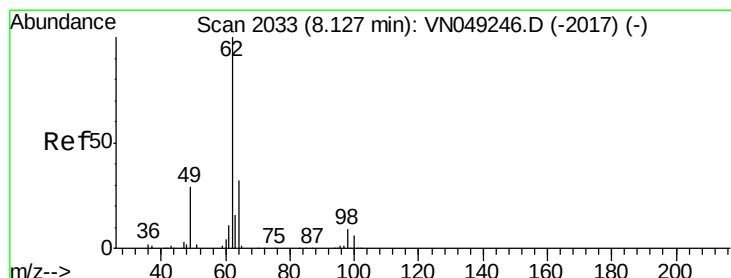
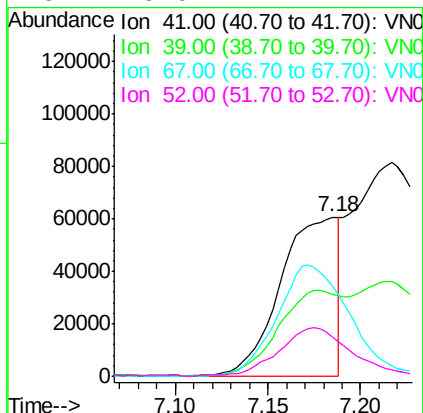
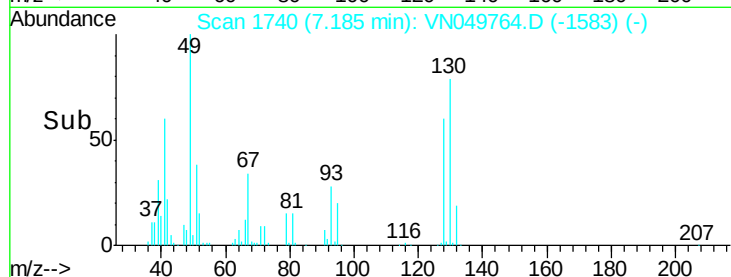
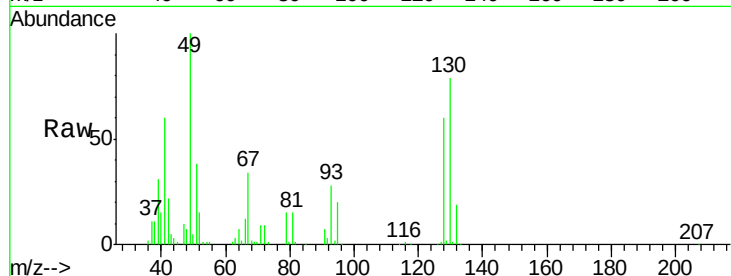
Ion 51.00 (50.70 to 51.70): V





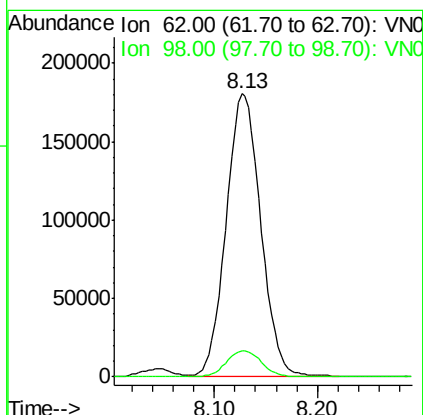
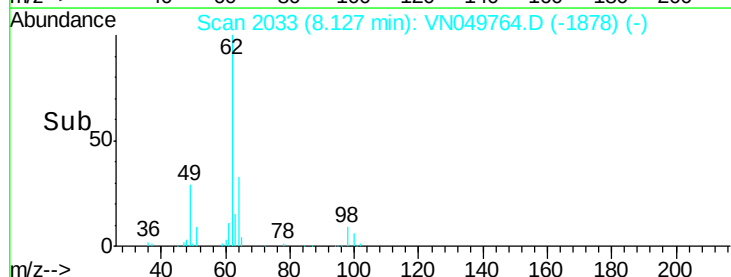
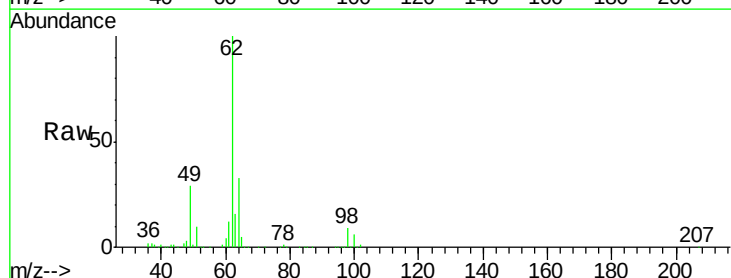
#35  
Methacrylonitrile  
Concen: 19.392 ug/l  
RT: 7.18 min Scan# 1740  
Delta R.T. 0.01 min  
Lab File: VN049764.D  
Acq: 11 Jul 2018 18:37

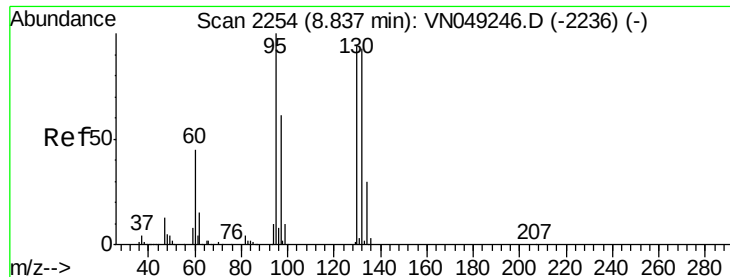
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 130828 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 51.4  | 27.6  | 82.7   |
| 67       | 57.1  | 35.1  | 105.5  |
| 52       | 25.0  | 14.1  | 42.4   |



#36  
1,2-Dichloroethane  
Concen: 20.753 ug/l  
RT: 8.13 min Scan# 2033  
Delta R.T. -0.00 min  
Lab File: VN049764.D  
Acq: 11 Jul 2018 18:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 421196 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.4   | 7.8   | 11.6   |





#37

Trichloroethene

Concen: 20.393 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN049764.D

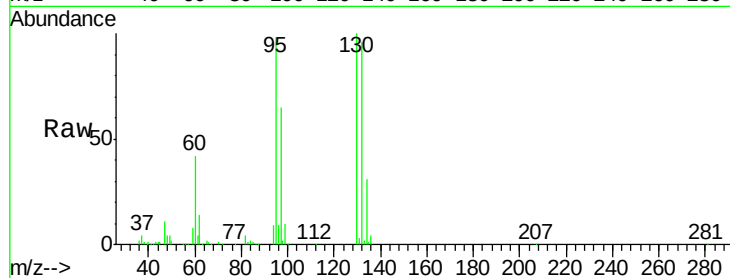
Acq: 11 Jul 2018 18:37

Tgt Ion: 130 Resp: 337838

Ion Ratio Lower Upper

130 100

95 98.3 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

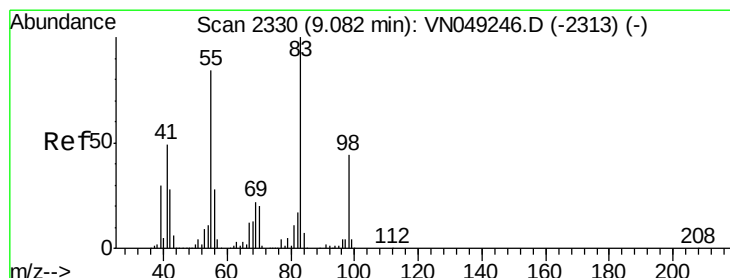
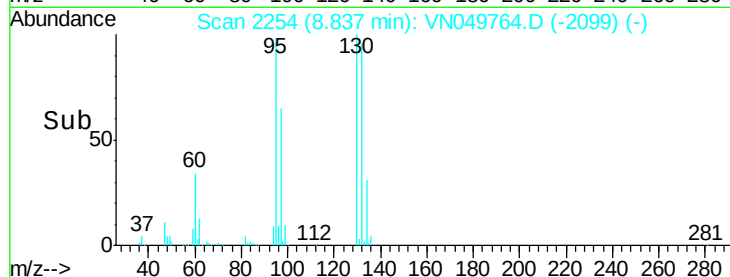
150000

100000

50000

0

Time-->



#38

Methylcyclohexane

Concen: 19.571 ug/l

RT: 9.08 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

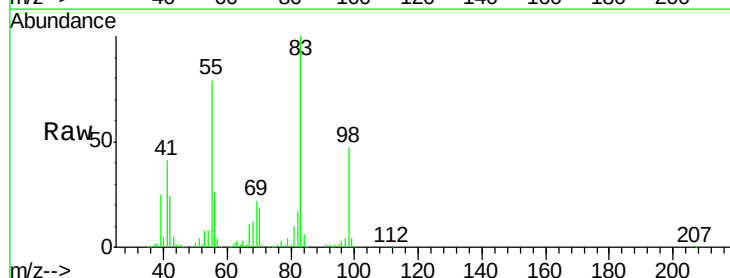
Tgt Ion: 83 Resp: 447096

Ion Ratio Lower Upper

83 100

55 77.3 39.3 117.8

98 45.5 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

250000

200000

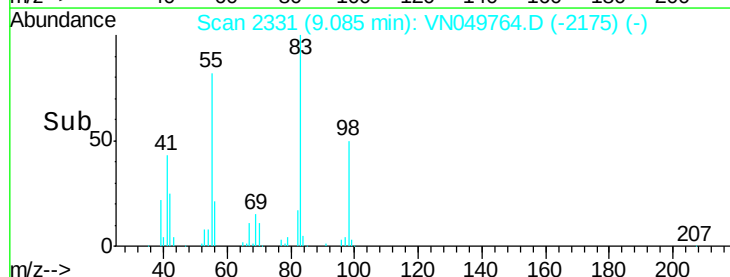
150000

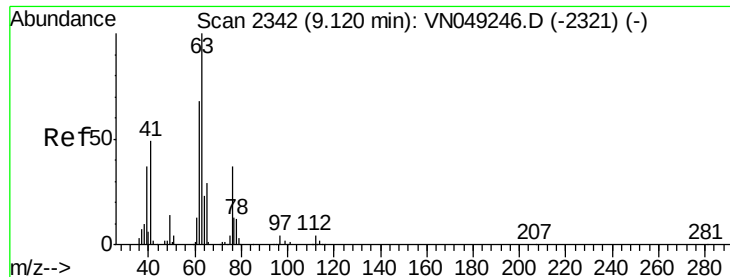
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 20.802 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. -0.00 min

Lab File: VN049764.D

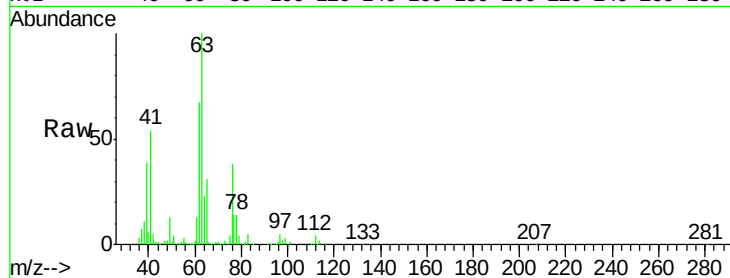
Acq: 11 Jul 2018 18:37

Tgt Ion: 63 Resp: 343391

Ion Ratio Lower Upper

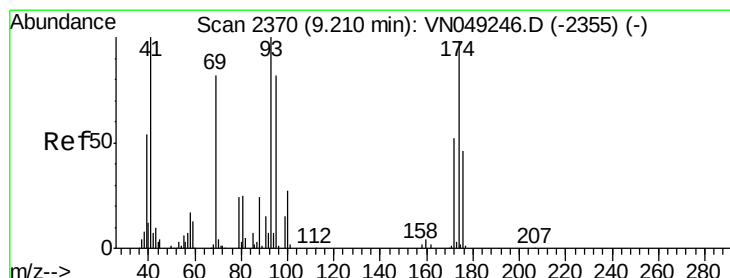
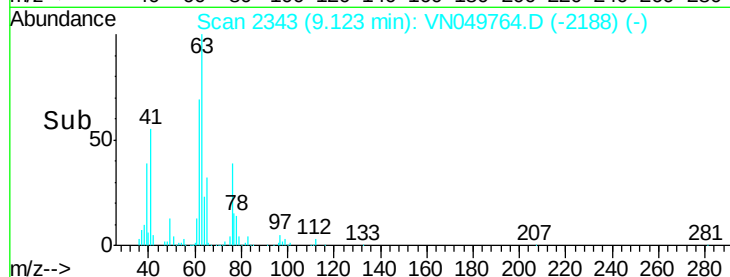
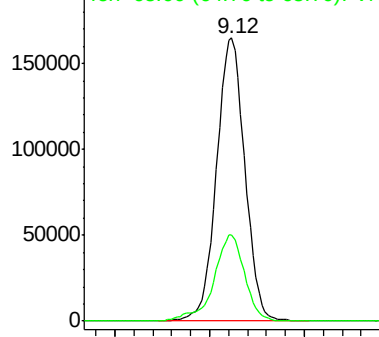
63 100

65 30.7 24.2 36.2



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 20.875 ug/l

RT: 9.21 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

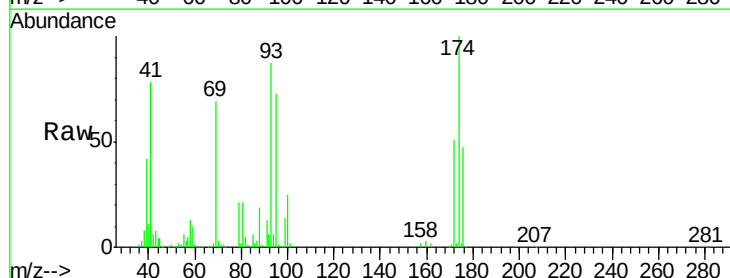
Tgt Ion: 93 Resp: 207211

Ion Ratio Lower Upper

93 100

95 82.4 0.0 165.6

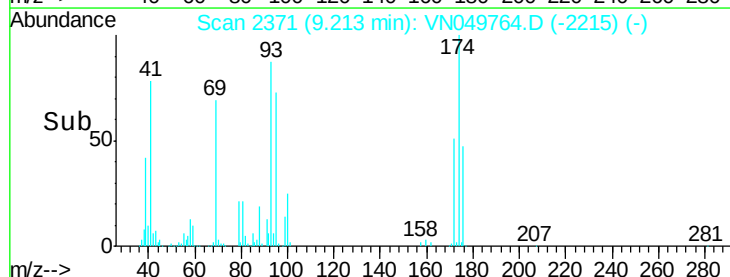
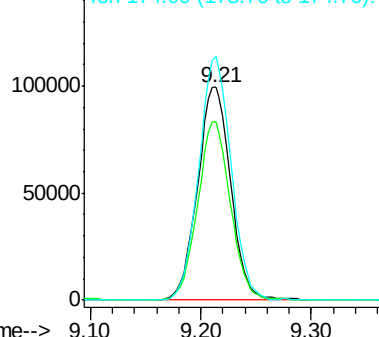
174 111.1 0.0 223.2



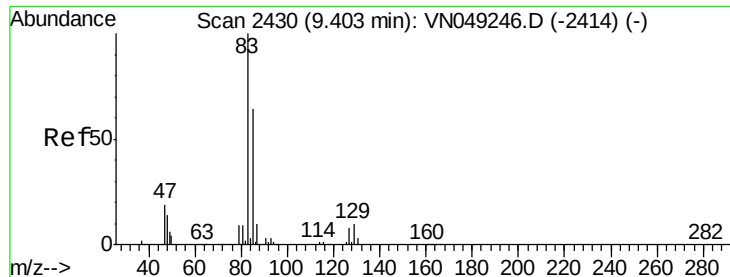
Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V







#41

Bromodichloromethane

Concen: 20.583 ug/l

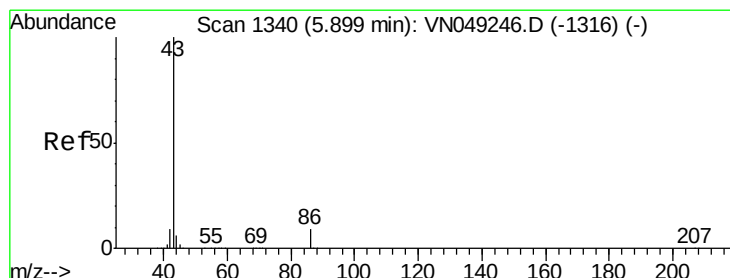
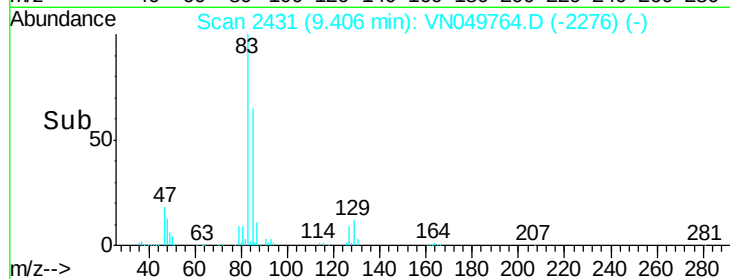
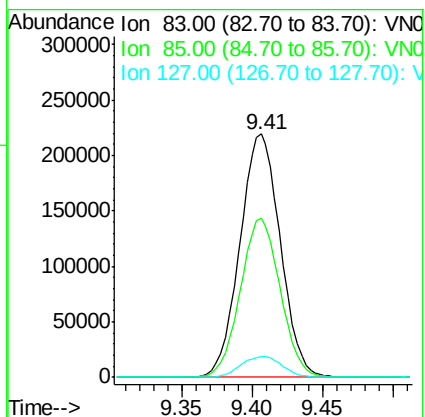
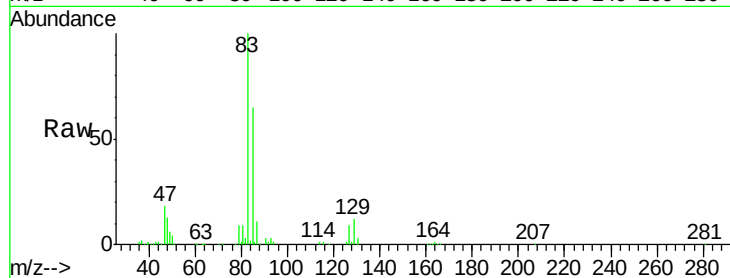
RT: 9.41 min Scan# 2431

Delta R.T. -0.00 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 439391 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 65.4  | 52.6  | 78.8   |
| 127      | 8.7   | 7.0   | 10.4   |



#42

Vinyl Acetate

Concen: 99.297 ug/l

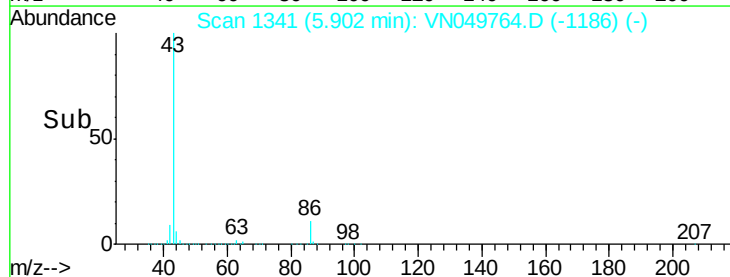
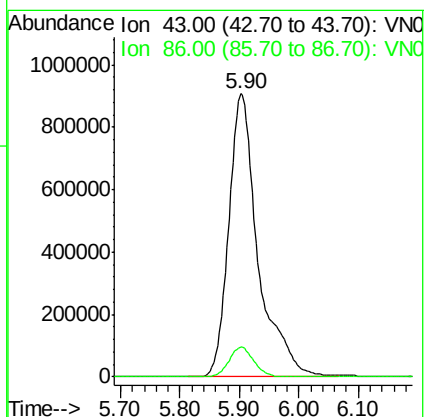
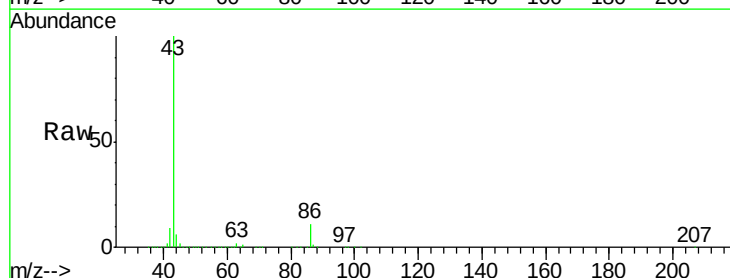
RT: 5.90 min Scan# 1341

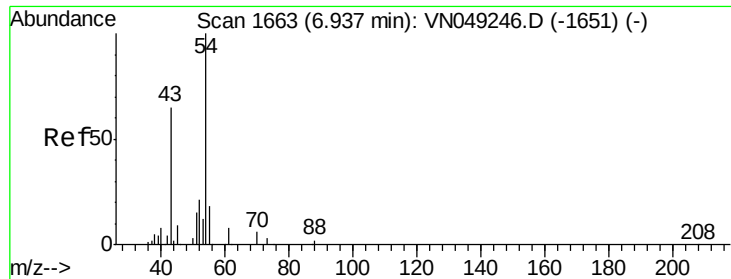
Delta R.T. -0.00 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 43    | Resp: | 3112327 |
| Ion      | Ratio | Lower | Upper   |
| 43       | 100   |       |         |
| 86       | 9.1   | 7.3   | 10.9    |





#43

Ethyl Acetate

Concen: 20.518 ug/l

RT: 6.94 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VN049764.D

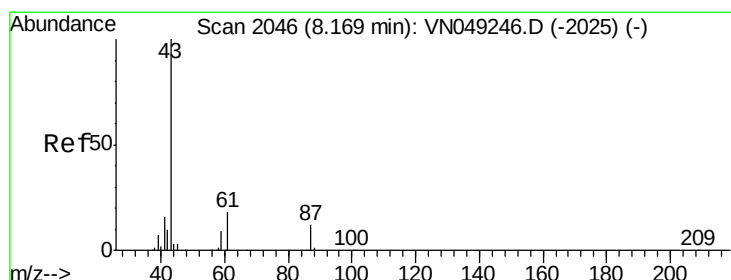
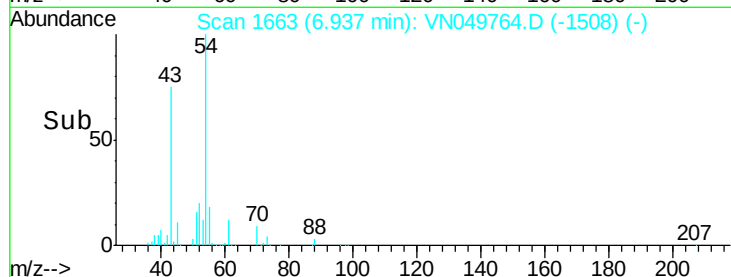
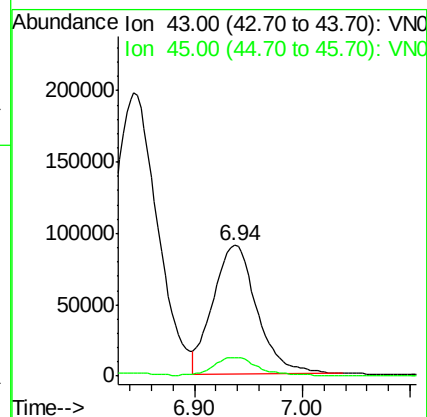
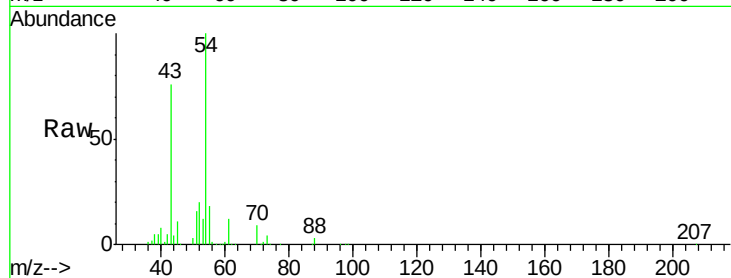
Acq: 11 Jul 2018 18:37

Tgt Ion: 43 Resp: 255885

Ion Ratio Lower Upper

43 100

45 12.9 13.0 19.6#



#44

Isopropyl Acetate

Concen: 20.449 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN049764.D

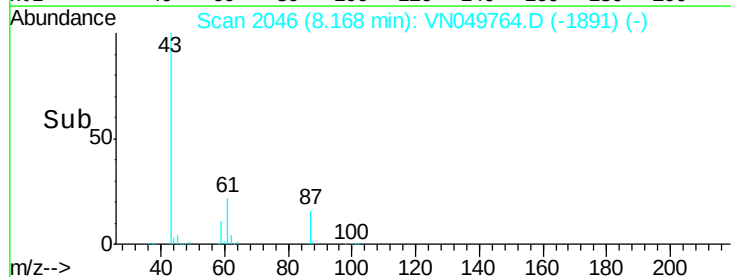
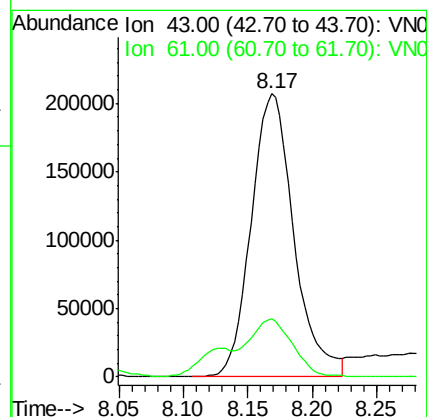
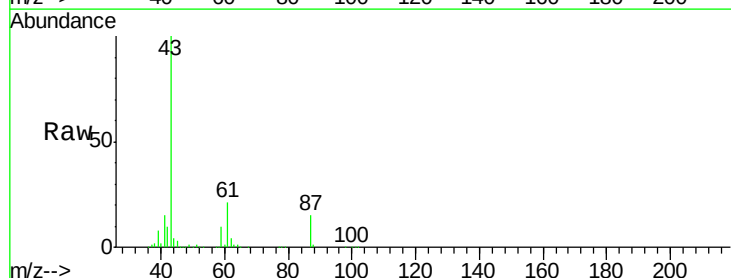
Acq: 11 Jul 2018 18:37

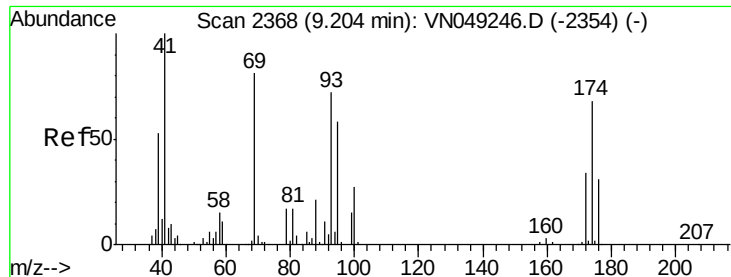
Tgt Ion: 43 Resp: 476868

Ion Ratio Lower Upper

43 100

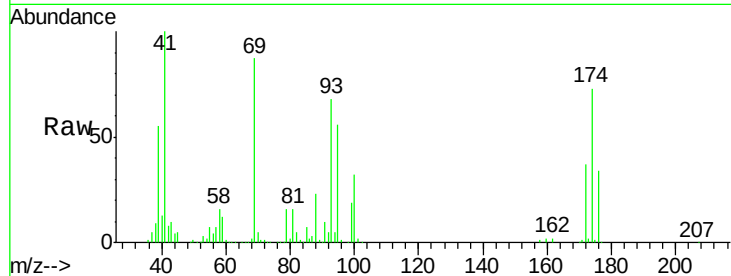
61 19.8 16.4 24.6



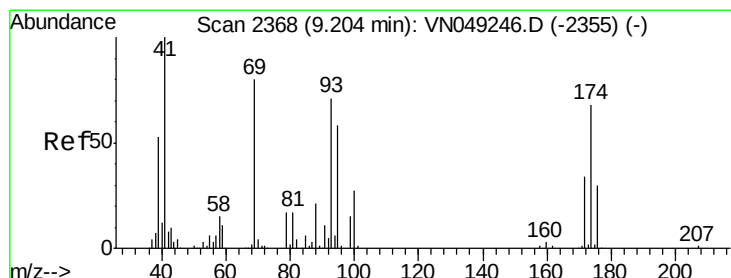
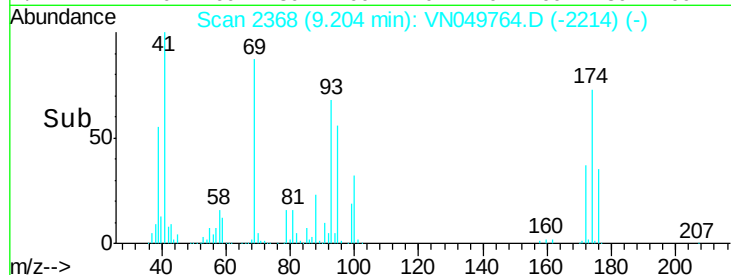
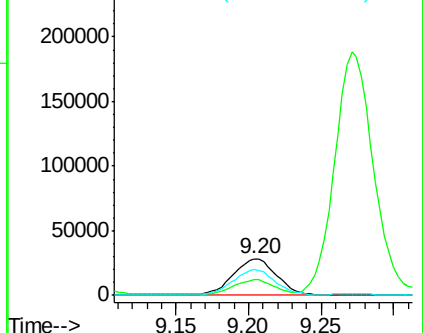


#45  
1,4-Dioxane  
Concen: 387.244 ug/l  
RT: 9.20 min Scan# 2368  
Delta R.T. -0.00 min  
Lab File: VN049764.D  
Acq: 11 Jul 2018 18:37

Tgt Ion: 88 Resp: 59454  
Ion Ratio Lower Upper  
88 100  
43 32.7 26.9 40.3  
58 69.0 53.6 80.4

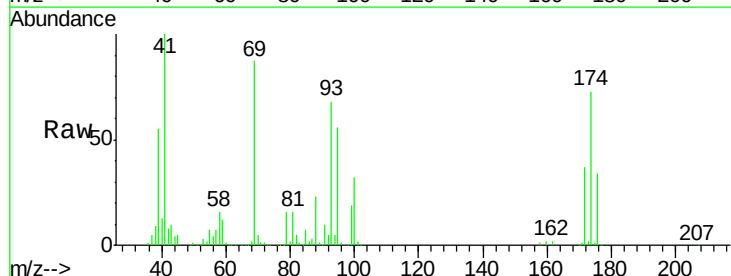


Abundance Ion 88.00 (87.70 to 88.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 58.00 (57.70 to 58.70): VN0

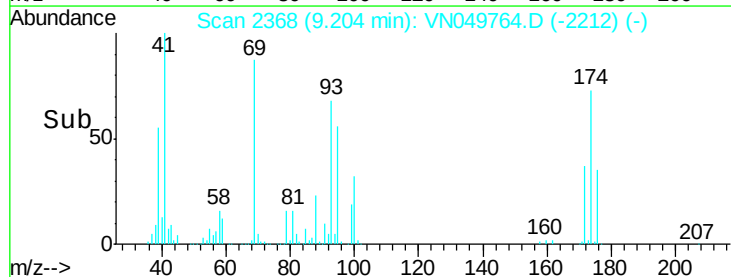
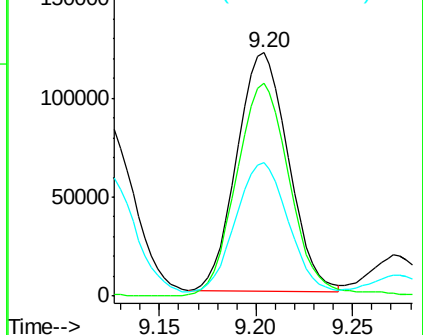


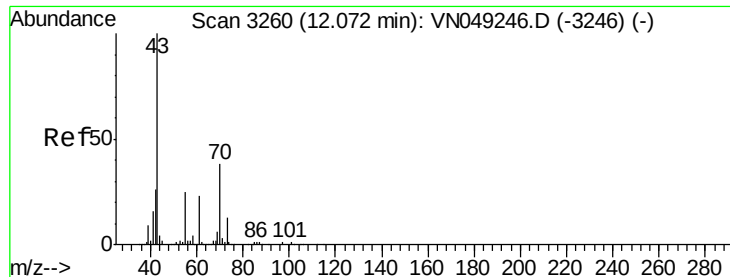
#46  
Methyl methacrylate  
Concen: 19.220 ug/l  
RT: 9.20 min Scan# 2368  
Delta R.T. -0.00 min  
Lab File: VN049764.D  
Acq: 11 Jul 2018 18:37

Tgt Ion: 41 Resp: 224736  
Ion Ratio Lower Upper  
41 100  
69 88.5 44.0 132.1  
39 54.1 27.0 80.8



Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 18.645 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN049764.D

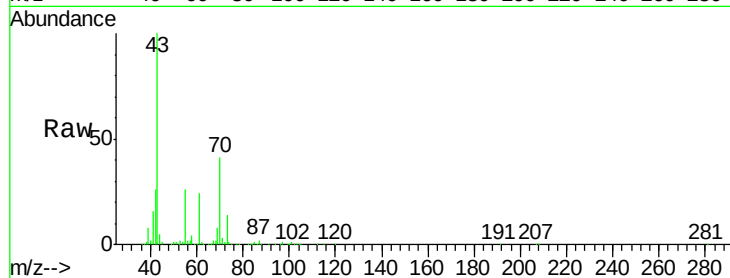
Acq: 11 Jul 2018 18:37

Tgt Ion: 43 Resp: 366241

Ion Ratio Lower Upper

43 100

55 26.6 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

250000

200000

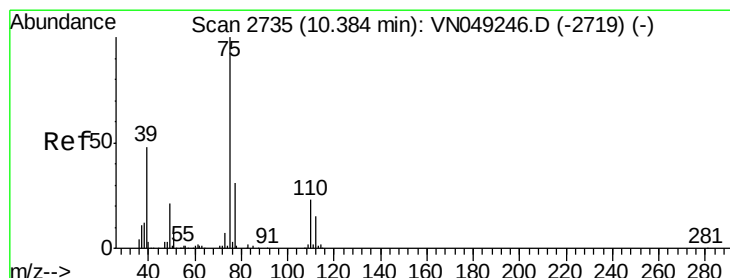
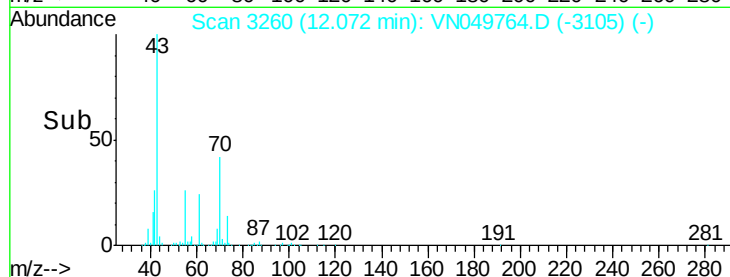
150000

100000

50000

0

Time--> 12.00 12.05 12.10 12.15



#48

t-1,3-Dichloropropene

Concen: 19.528 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049764.D

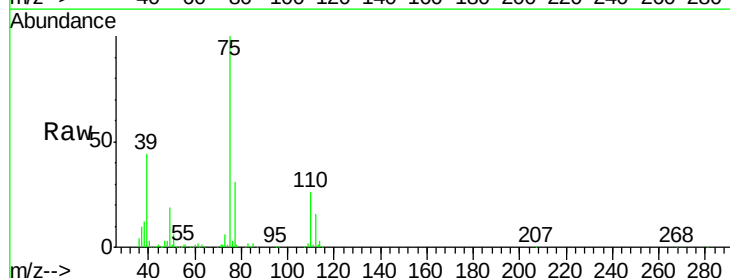
Acq: 11 Jul 2018 18:37

Tgt Ion: 75 Resp: 420059

Ion Ratio Lower Upper

75 100

77 30.6 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

250000

200000

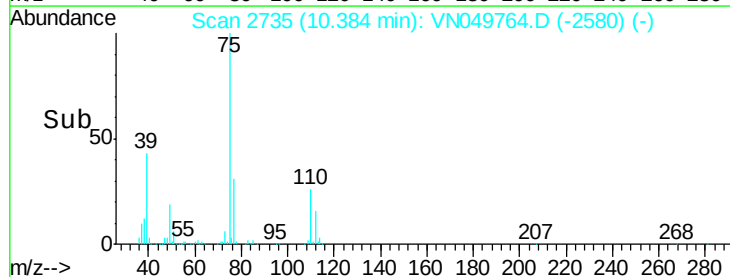
150000

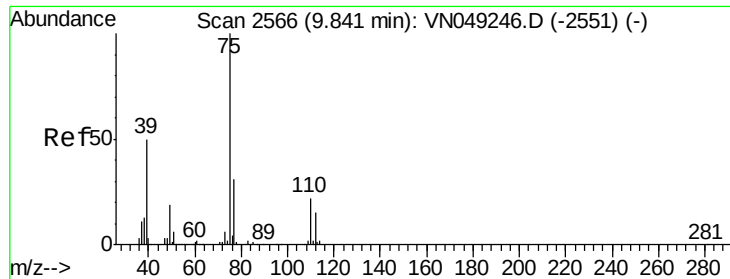
100000

50000

0

Time--> 10.30 10.40





#49

cis-1,3-Dichloropropene

Concen: 19.815 ug/l

RT: 9.84 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

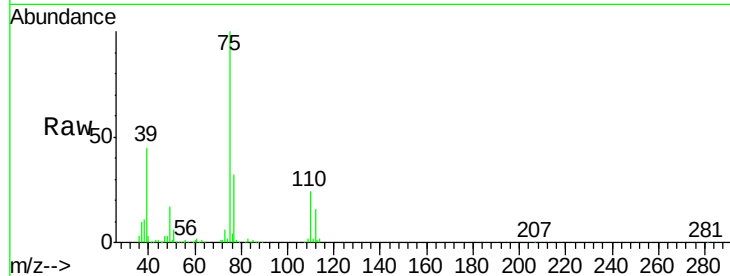
Tgt Ion: 75 Resp: 490698

Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5

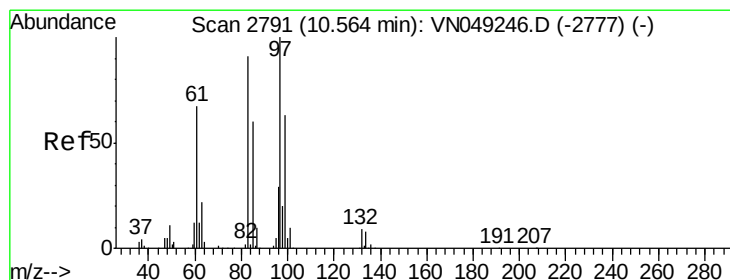
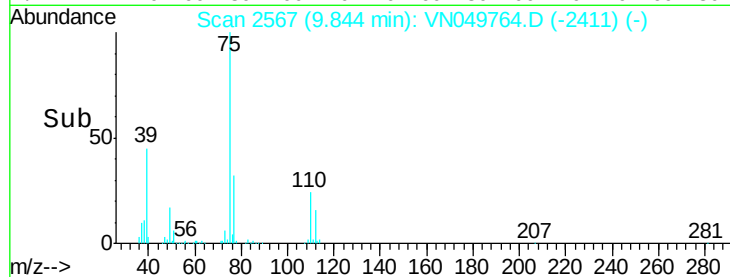
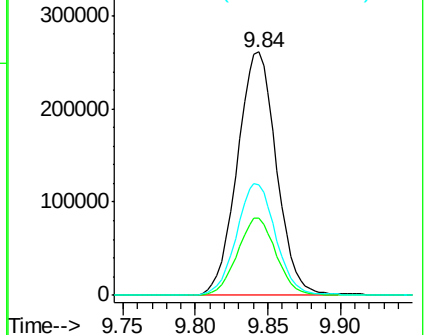
39 45.0 36.3 54.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane

Concen: 20.781 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

Tgt Ion: 97 Resp: 299991

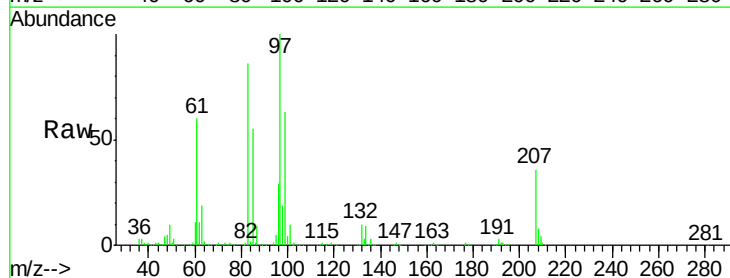
Ion Ratio Lower Upper

97 100

83 85.8 68.1 102.1

85 55.1 45.4 68.2

99 62.4 49.4 74.0

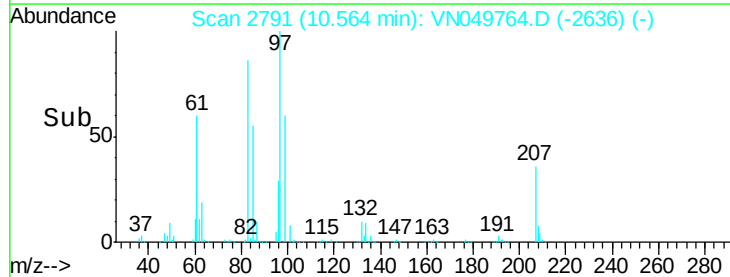
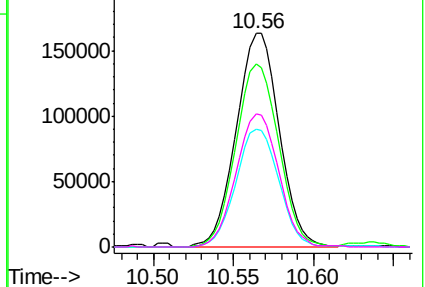


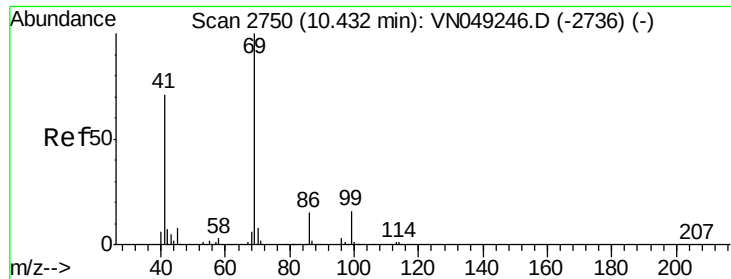
Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 19.242 ug/l

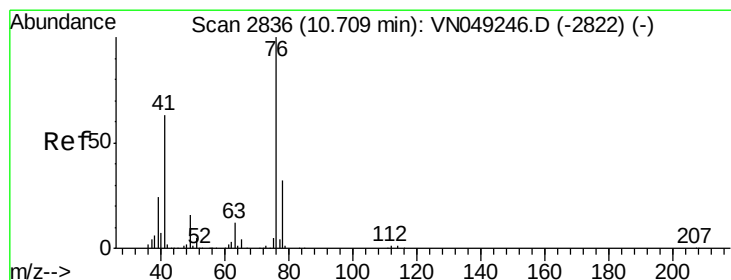
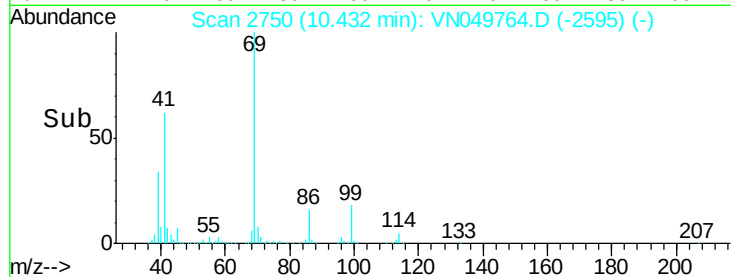
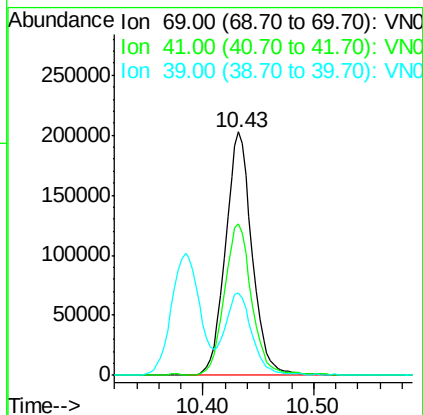
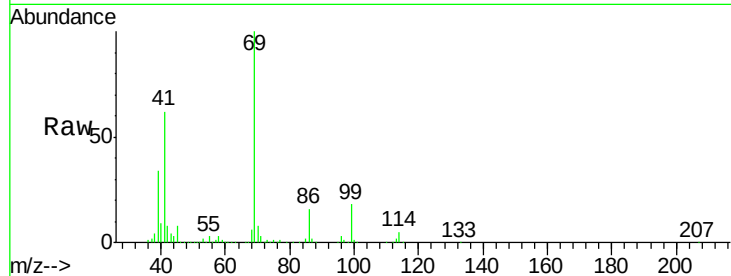
RT: 10.43 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 338835 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 62.0  | 31.9  | 95.9   |
| 39       | 33.6  | 16.7  | 50.1   |



#52

1,3-Dichloropropane

Concen: 20.469 ug/l

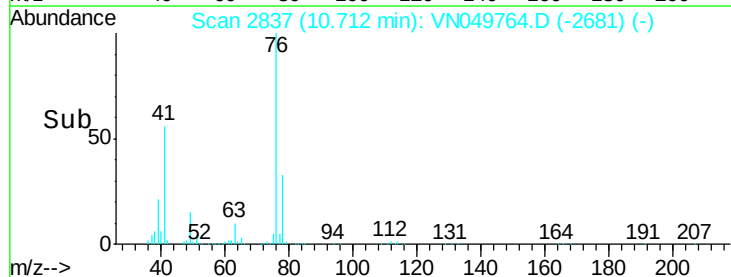
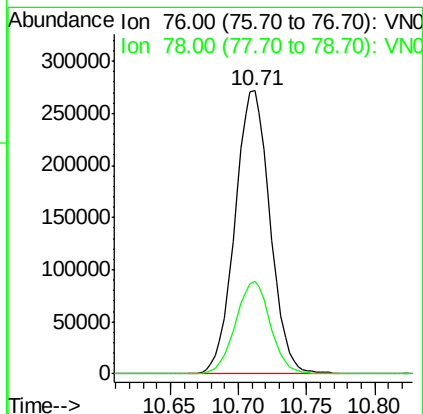
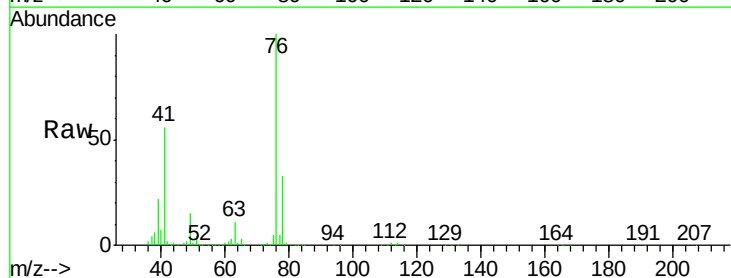
RT: 10.71 min Scan# 2837

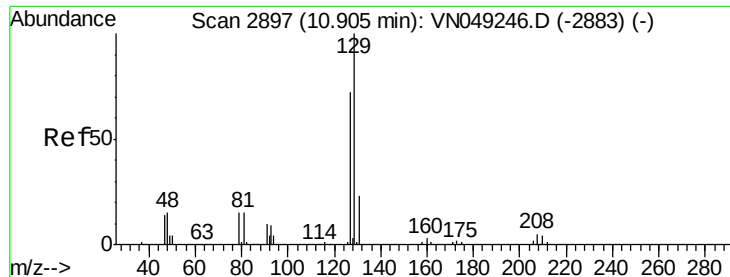
Delta R.T. 0.00 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 76    | Resp: | 485237 |
| Ion      | Ratio | Lower | Upper  |
| 76       | 100   |       |        |
| 78       | 32.7  | 0.0   | 65.6   |





#53

Dibromochloromethane

Concen: 19.903 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. -0.00 min

Lab File: VN049764.D

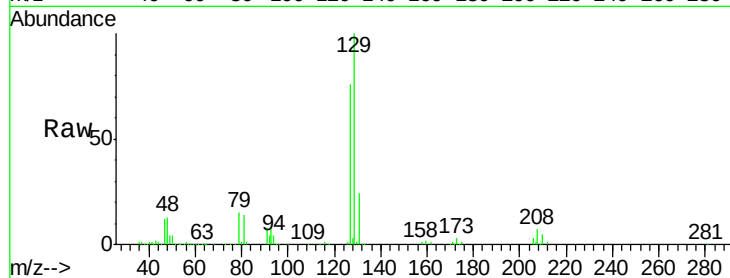
Acq: 11 Jul 2018 18:37

Tgt Ion:129 Resp: 324835

Ion Ratio Lower Upper

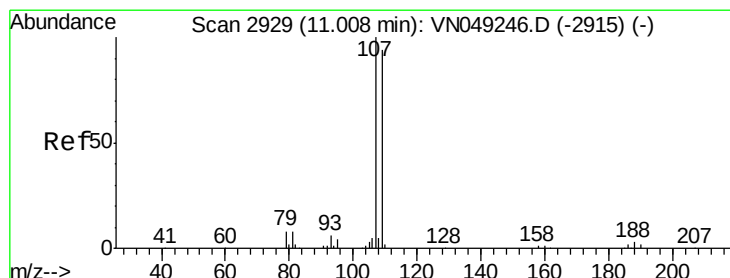
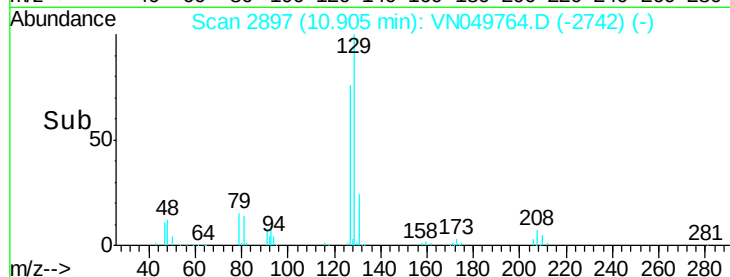
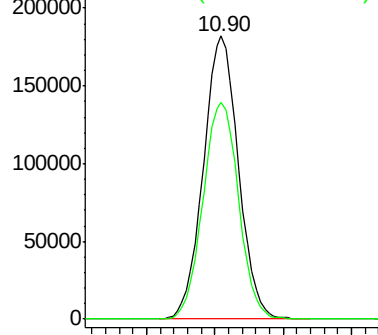
129 100

127 77.7 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: 19.987 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN049764.D

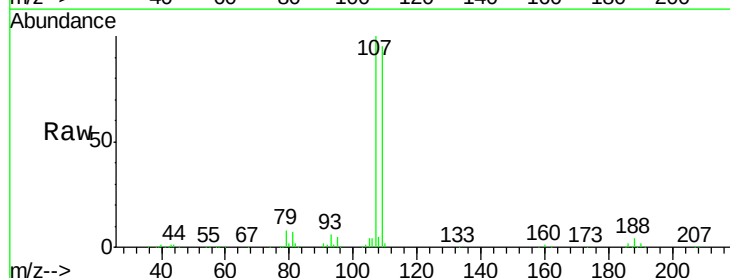
Acq: 11 Jul 2018 18:37

Tgt Ion:107 Resp: 280426

Ion Ratio Lower Upper

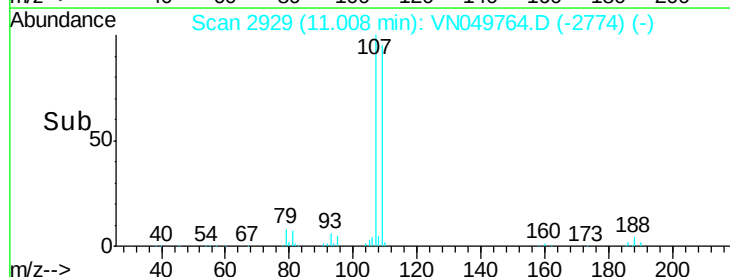
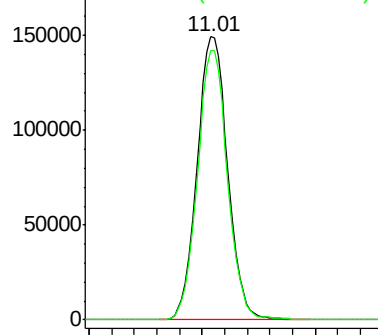
107 100

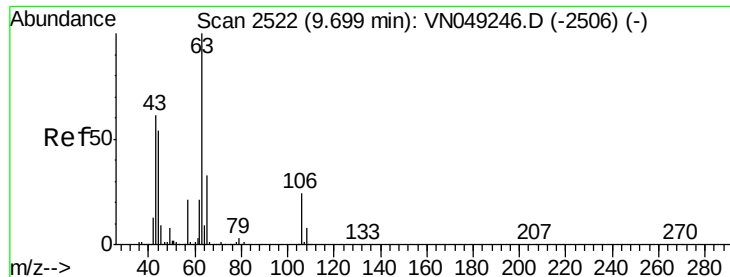
109 93.7 76.2 114.2



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: 92.088 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

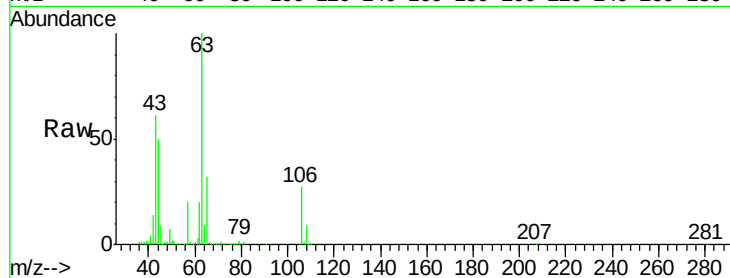
Tgt Ion: 63 Resp: 825959

Ion Ratio Lower Upper

63 100

65 32.1 25.5 38.3

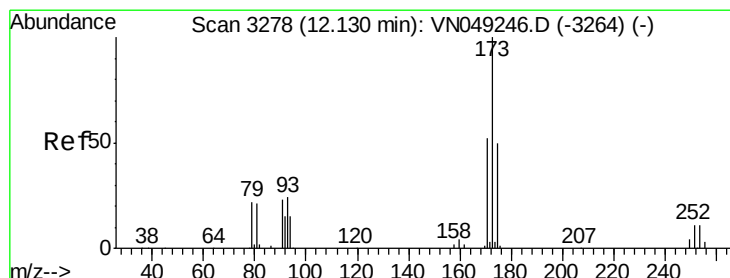
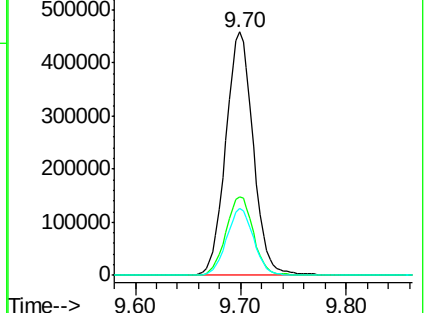
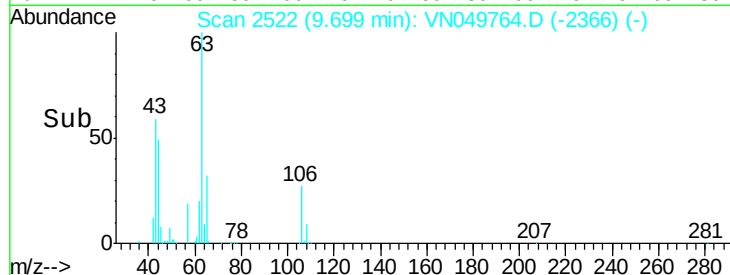
106 27.0 21.8 32.6



Abundance Ion 63.00 (62.70 to 63.70): VN049764.D (-2366) (-)

Ion 65.00 (64.70 to 65.70): VN049764.D (-2366) (-)

Ion 106.00 (105.70 to 106.70): VN049764.D (-2366) (-)



#56

Bromoform

Concen: 19.522 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. -0.00 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

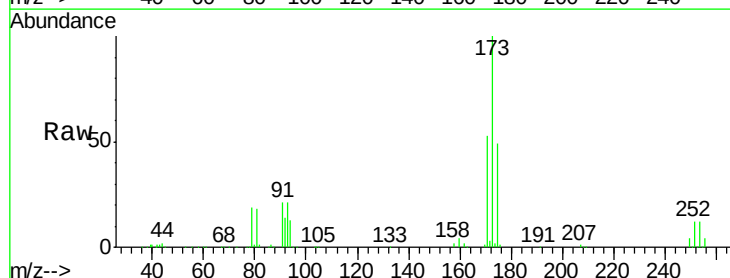
Tgt Ion: 173 Resp: 218238

Ion Ratio Lower Upper

173 100

175 49.2 38.6 57.8

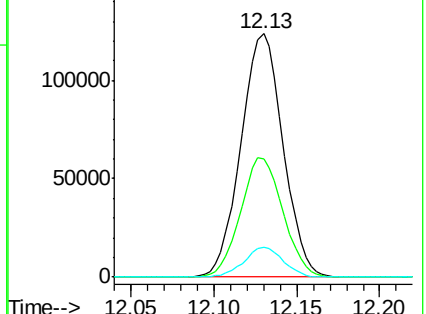
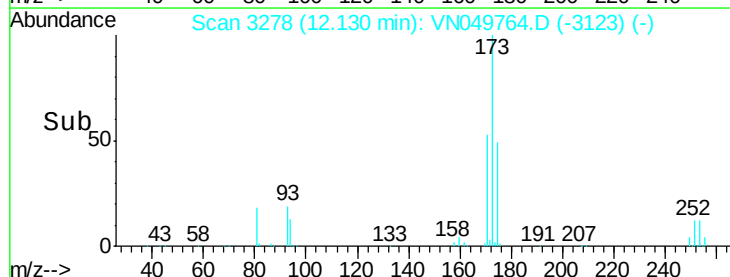
254 11.4 8.8 13.2



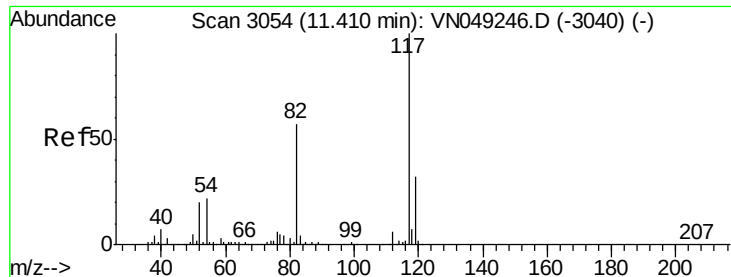
Abundance Ion 173.00 (172.70 to 173.70): VN049764.D (-3123) (-)

Ion 175.00 (174.70 to 175.70): VN049764.D (-3123) (-)

Ion 254.00 (253.70 to 254.70): VN049764.D (-3123) (-)







#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

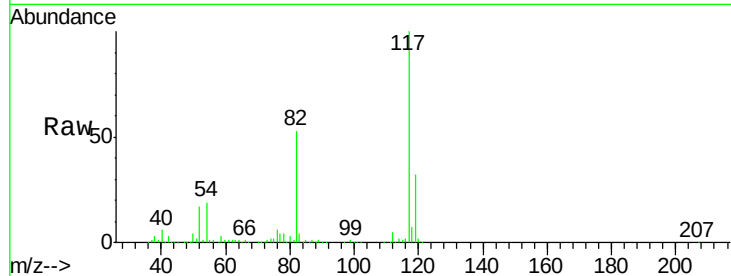
Tgt Ion: 117 Resp: 1174415

Ion Ratio Lower Upper

117 100

82 53.3 42.4 63.6

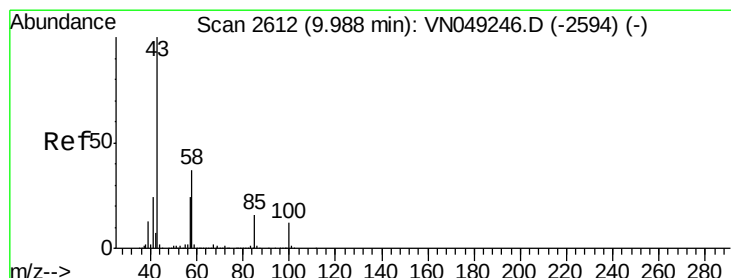
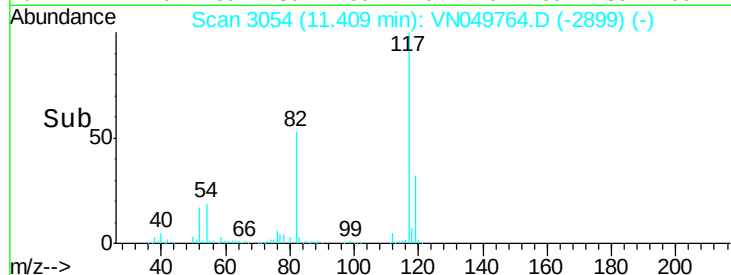
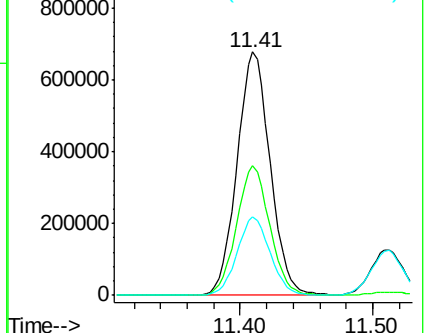
119 32.0 25.4 38.0



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: 101.729 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. -0.00 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

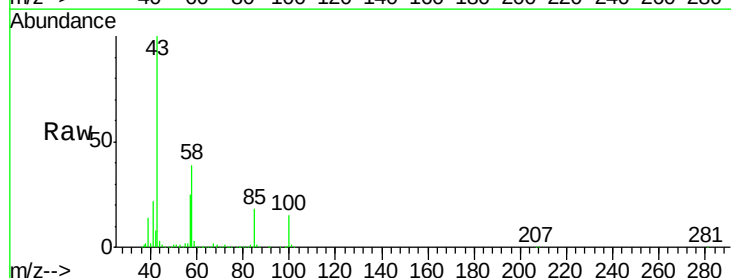
Tgt Ion: 43 Resp: 1298842

Ion Ratio Lower Upper

43 100

58 39.5 31.2 46.8

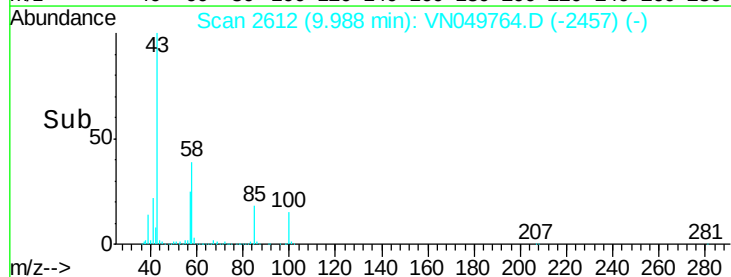
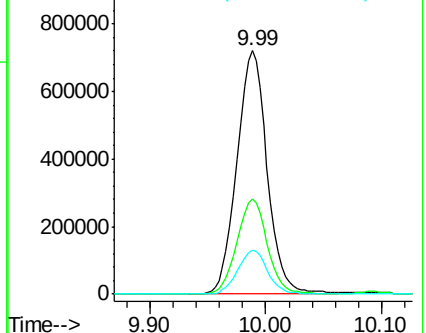
85 18.0 14.4 21.6

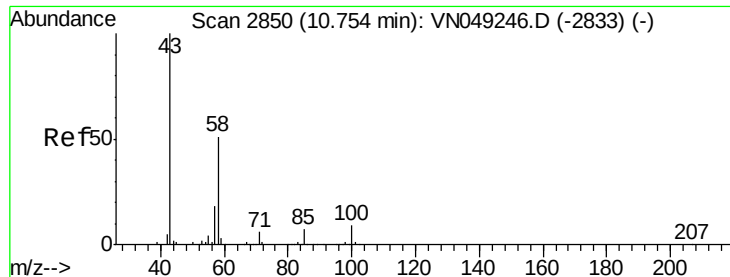


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

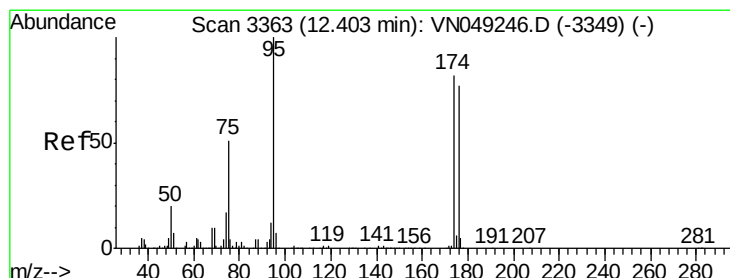
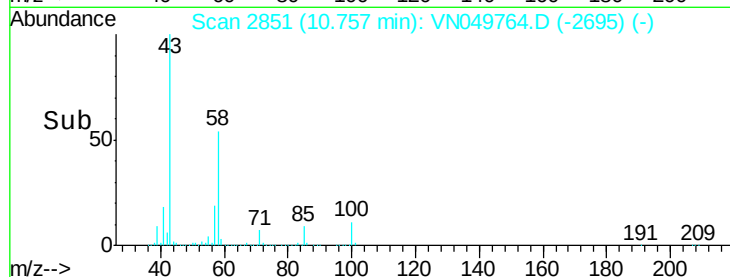
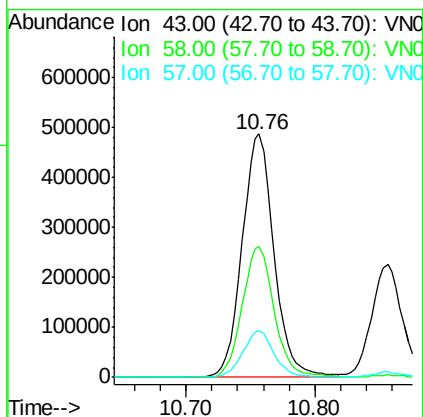
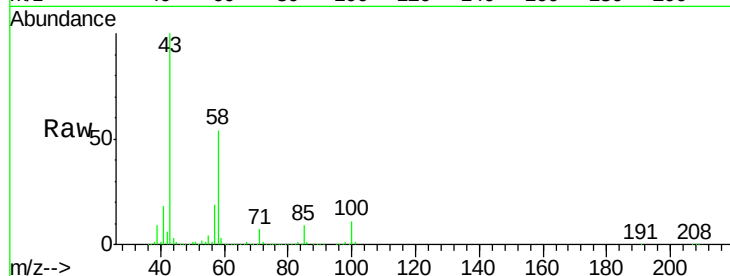
Ion 85.00 (84.70 to 85.70): V





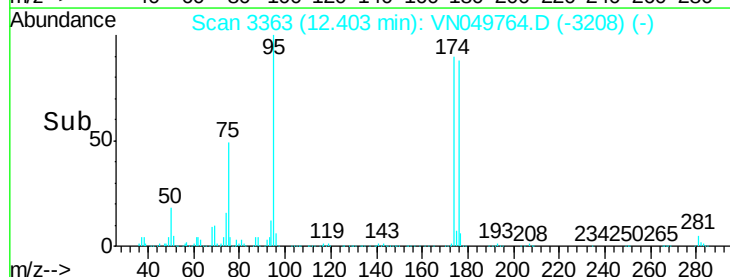
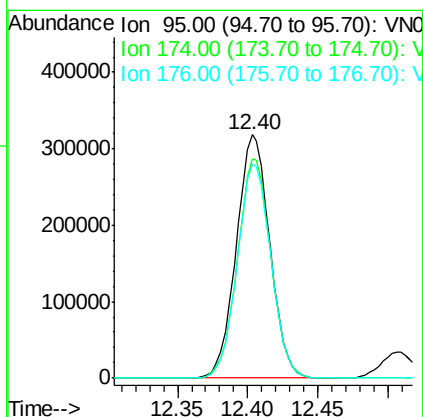
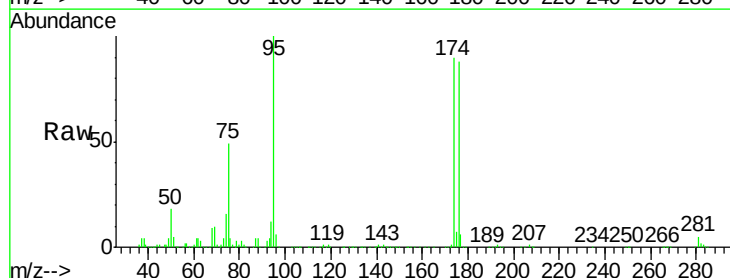
#59  
2-Hexanone  
Concen: 96.947 ug/l  
RT: 10.76 min Scan# 2851  
Delta R.T. 0.00 min  
Lab File: VN049764.D  
Acq: 11 Jul 2018 18:37

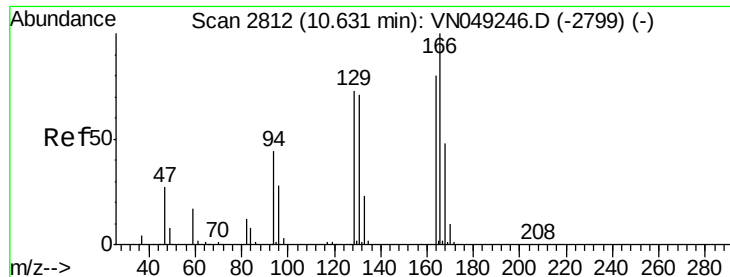
Tgt Ion: 43 Resp: 833192  
Ion Ratio Lower Upper  
43 100  
58 54.2 43.8 65.8  
57 19.1 15.1 22.7



#60  
4-Bromofluorobenzene  
Concen: 29.207 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. -0.00 min  
Lab File: VN049764.D  
Acq: 11 Jul 2018 18:37

Tgt Ion: 95 Resp: 529515  
Ion Ratio Lower Upper  
95 100  
174 90.2 72.3 108.5  
176 88.4 70.0 105.0





#61

Tetrachloroethene

Concen: 20.746 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. -0.00 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

Tgt Ion:164 Resp: 305716

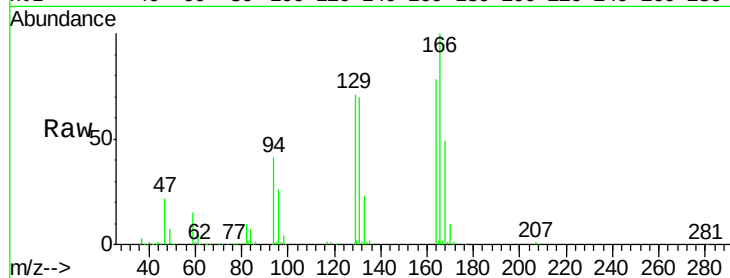
Ion Ratio Lower Upper

164 100

166 128.5 100.0 150.0

129 90.8 69.3 103.9

131 89.5 68.8 103.2

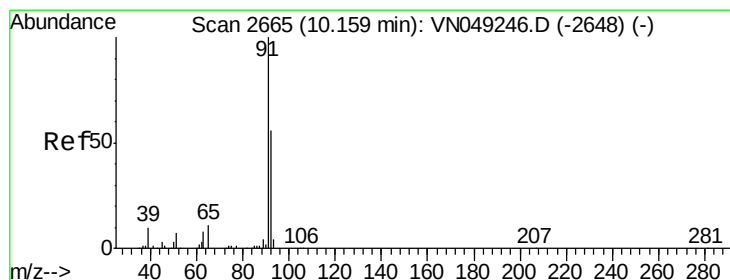
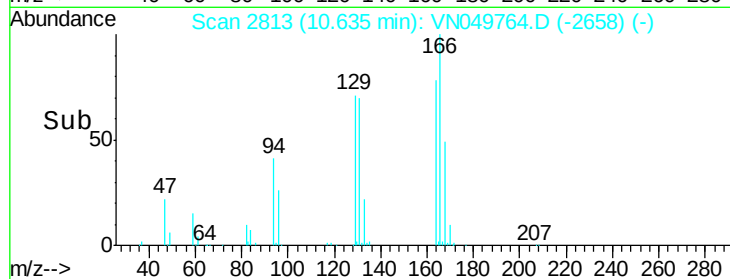
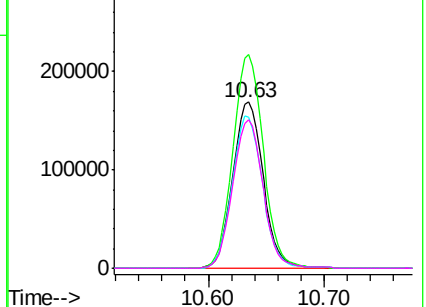


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.856 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. -0.00 min

Lab File: VN049764.D

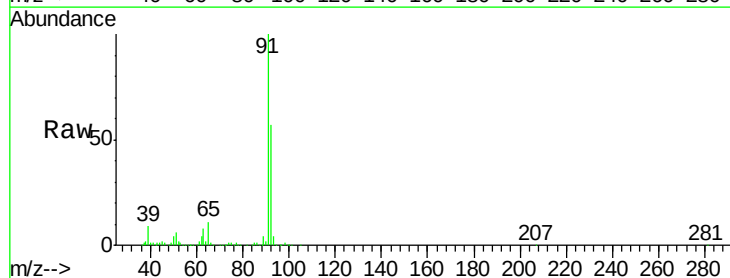
Acq: 11 Jul 2018 18:37

Tgt Ion: 91 Resp: 1403807

Ion Ratio Lower Upper

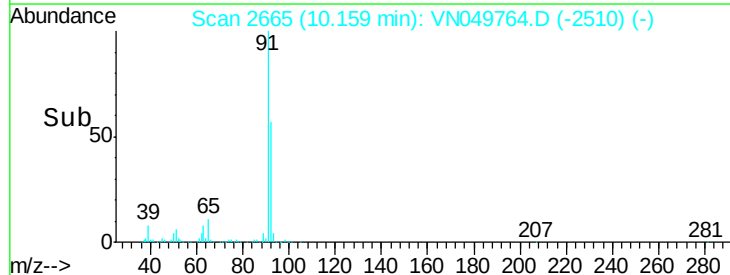
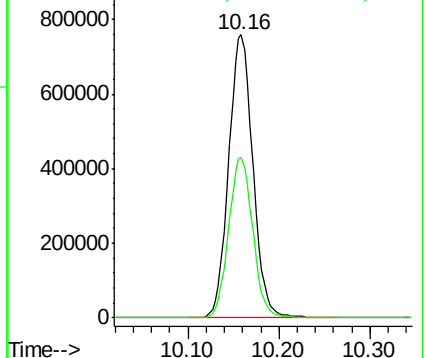
91 100

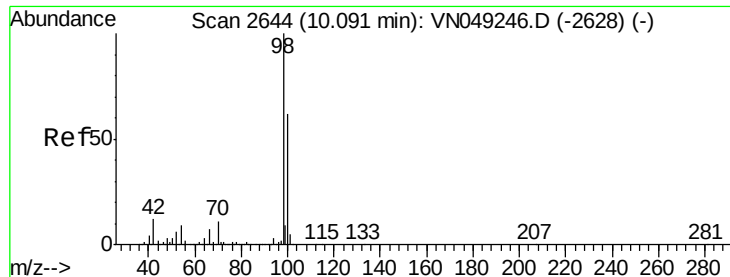
92 56.8 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.541 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VN049764.D

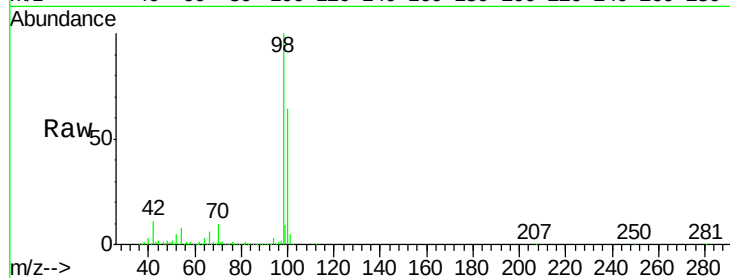
Acq: 11 Jul 2018 18:37

Tgt Ion: 98 Resp: 1676022

Ion Ratio Lower Upper

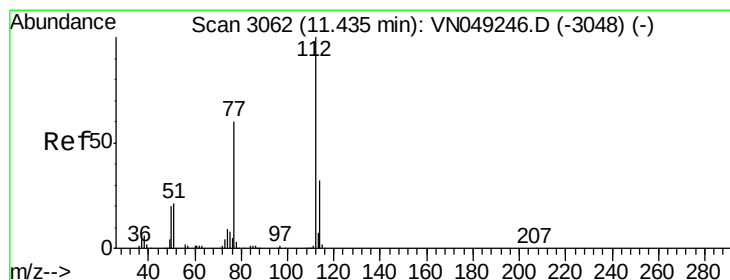
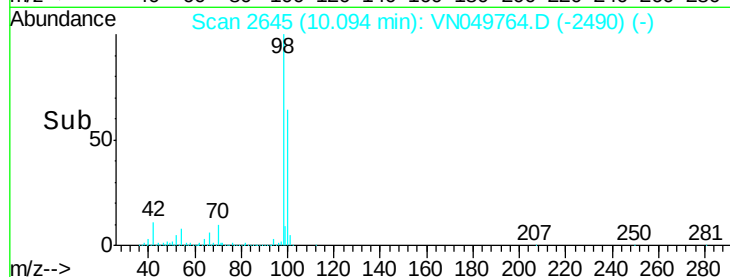
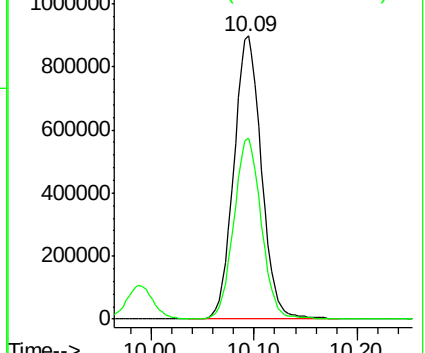
98 100

100 63.1 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: 20.564 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN049764.D

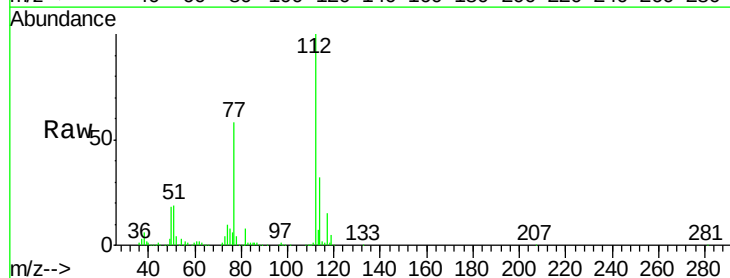
Acq: 11 Jul 2018 18:37

Tgt Ion: 112 Resp: 849246

Ion Ratio Lower Upper

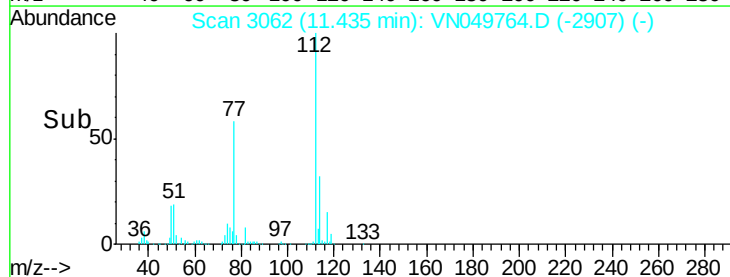
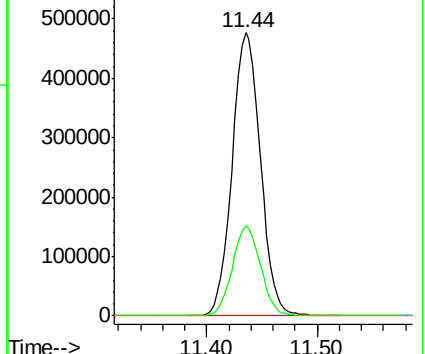
112 100

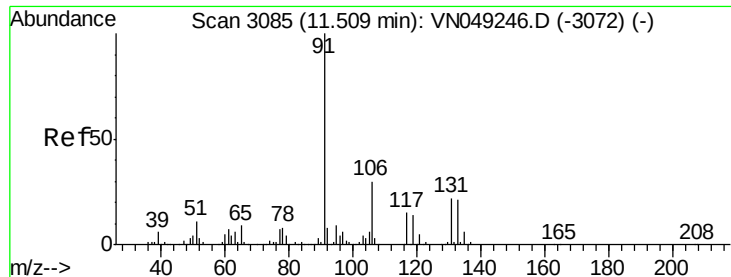
114 31.7 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): V

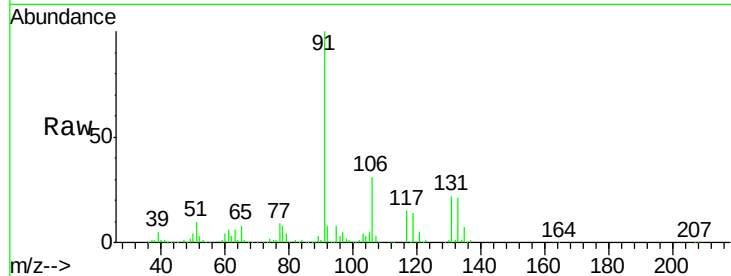
Ion 114.00 (113.70 to 114.70): V



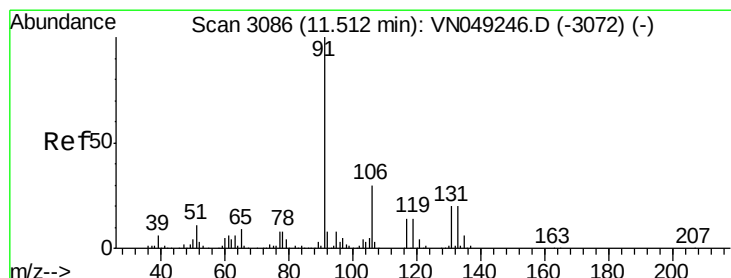
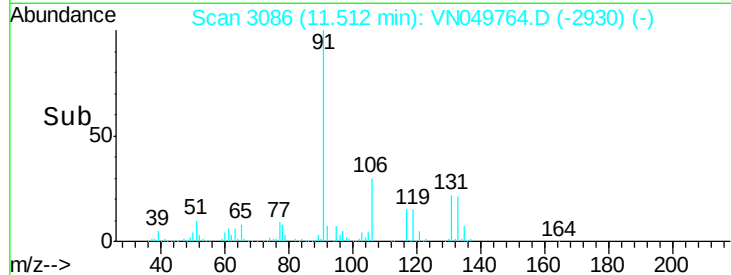
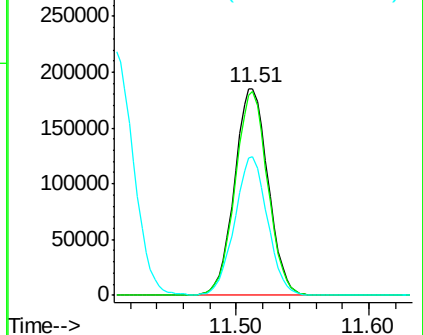


#65  
 1,1,1,2-Tetrachloroethane  
 Concen: 20.780 ug/l  
 RT: 11.51 min Scan# 3086  
 Delta R.T. 0.00 min  
 Lab File: VN049764.D  
 Acq: 11 Jul 2018 18:37

Tgt Ion: 131 Resp: 325690  
 Ion Ratio Lower Upper  
 131 100  
 133 95.8 0.0 190.0  
 119 65.7 0.0 131.6

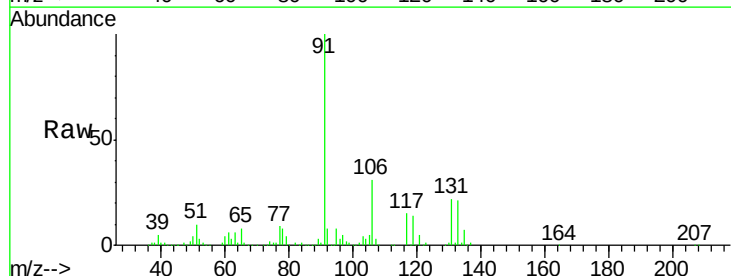


Abundance Ion 131.00 (130.70 to 131.70): V  
 Ion 133.00 (132.70 to 133.70): V  
 Ion 119.00 (118.70 to 119.70): V

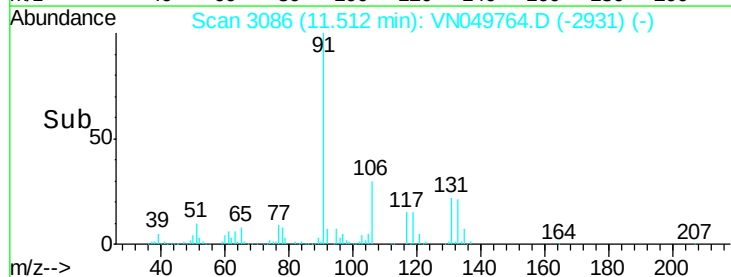
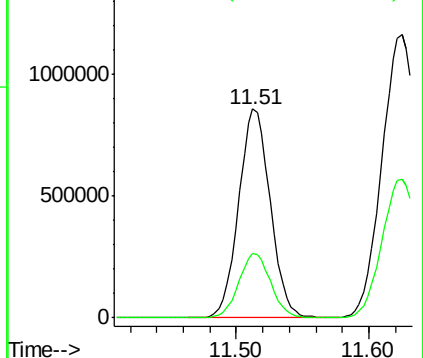


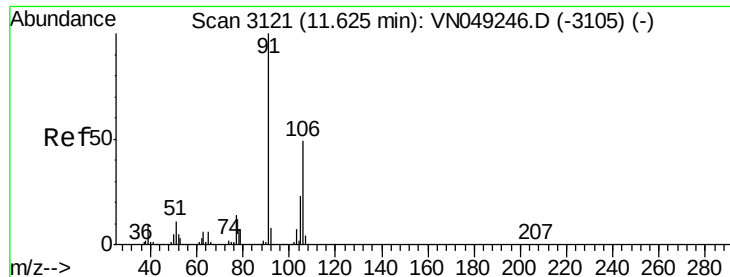
#66  
 Ethyl Benzene  
 Concen: 20.129 ug/l  
 RT: 11.51 min Scan# 3086  
 Delta R.T. -0.00 min  
 Lab File: VN049764.D  
 Acq: 11 Jul 2018 18:37

Tgt Ion: 91 Resp: 1421295  
 Ion Ratio Lower Upper  
 91 100  
 106 30.8 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN0  
 Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 40.603 ug/l

RT: 11.62 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN049764.D

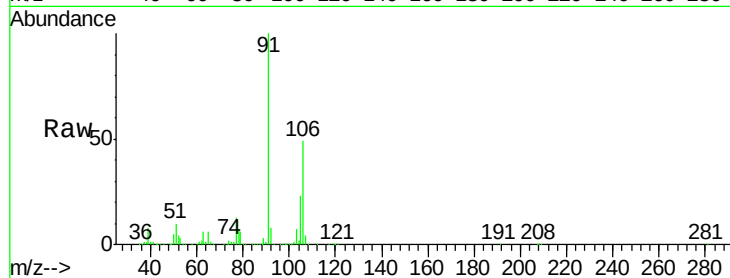
Acq: 11 Jul 2018 18:37

Tgt Ion:106 Resp: 1102839

Ion Ratio Lower Upper

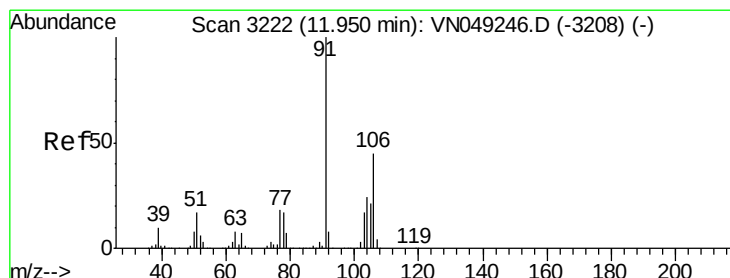
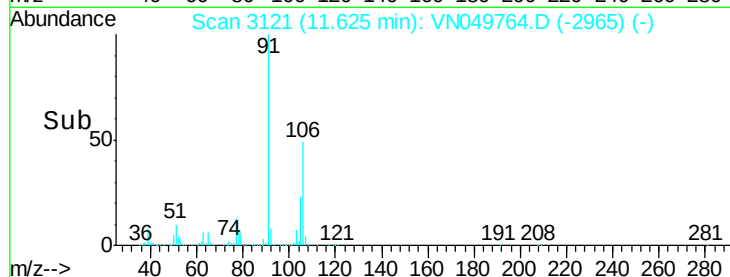
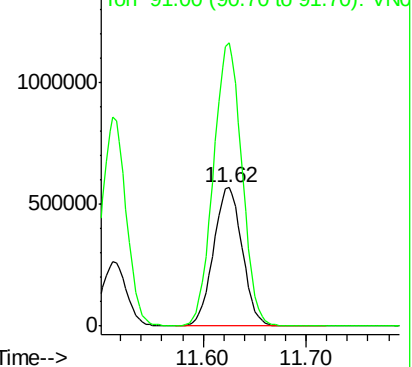
106 100

91 203.4 162.5 243.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 20.204 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN049764.D

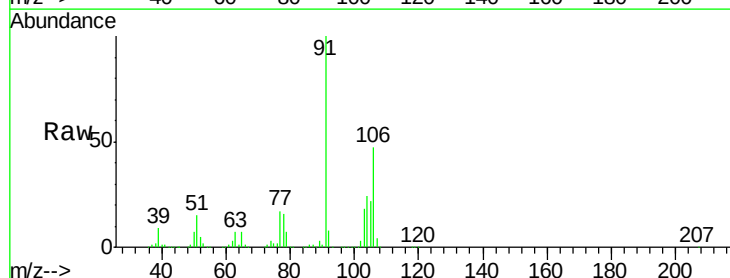
Acq: 11 Jul 2018 18:37

Tgt Ion:106 Resp: 524344

Ion Ratio Lower Upper

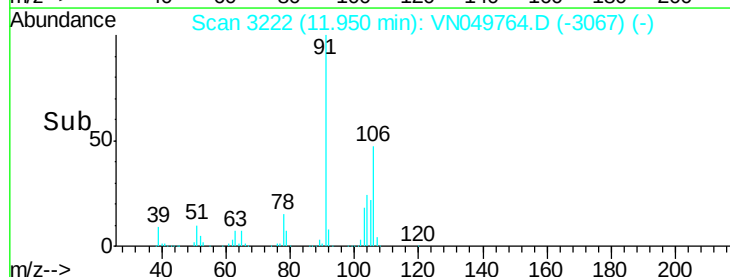
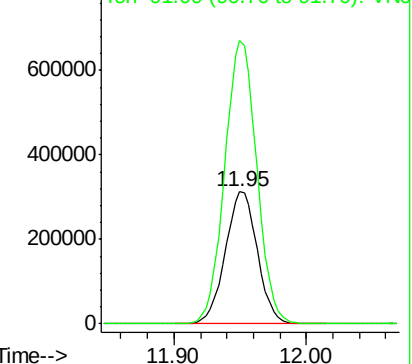
106 100

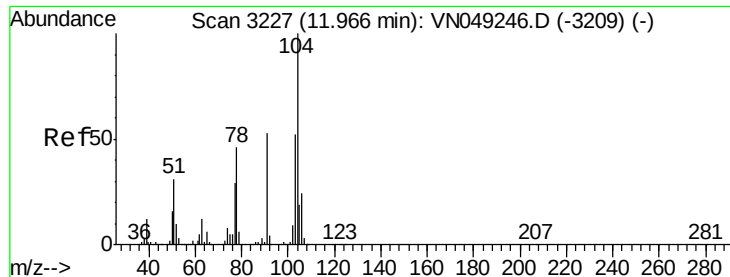
91 214.4 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

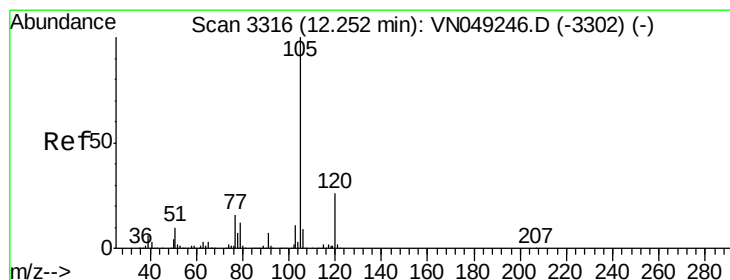
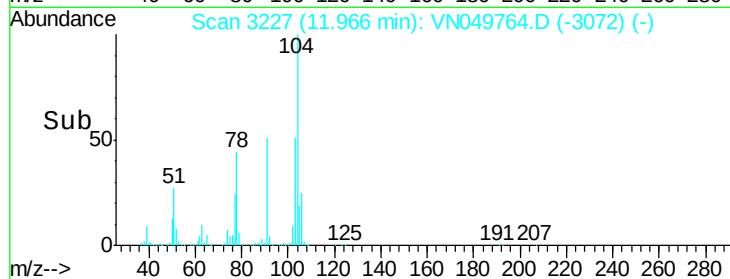
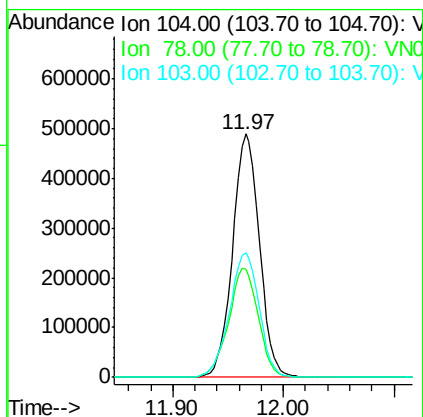
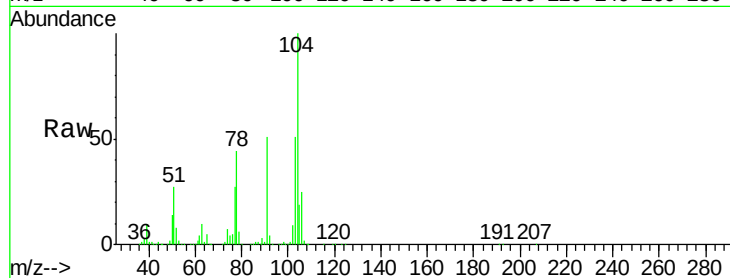




#69  
**Styrene**  
 Concen: 19.886 ug/l  
 RT: 11.97 min Scan# 3227  
 Delta R.T. -0.00 min  
 Lab File: VN049764.D  
 Acq: 11 Jul 2018 18:37

Tgt Ion:104 Resp: 823809  

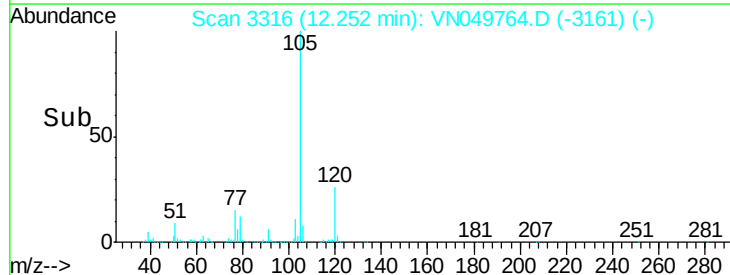
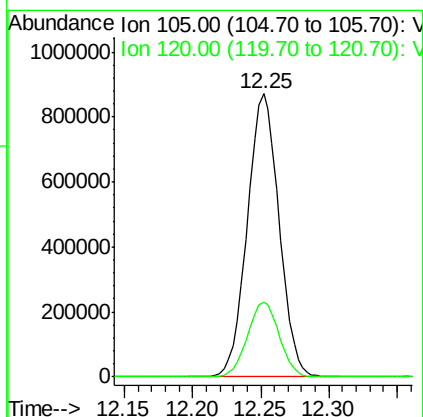
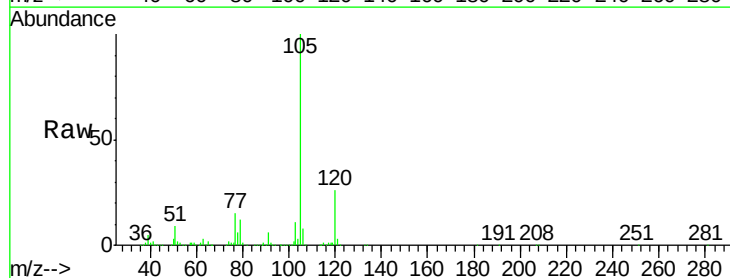
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 104 | 100   |       |       |
| 78  | 49.6  | 39.3  | 58.9  |
| 103 | 56.9  | 44.5  | 66.7  |

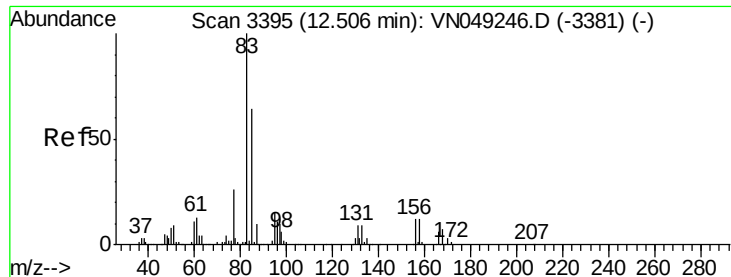


#70  
**Isopropylbenzene**  
 Concen: 20.417 ug/l  
 RT: 12.25 min Scan# 3316  
 Delta R.T. -0.00 min  
 Lab File: VN049764.D  
 Acq: 11 Jul 2018 18:37

Tgt Ion:105 Resp: 1405311  

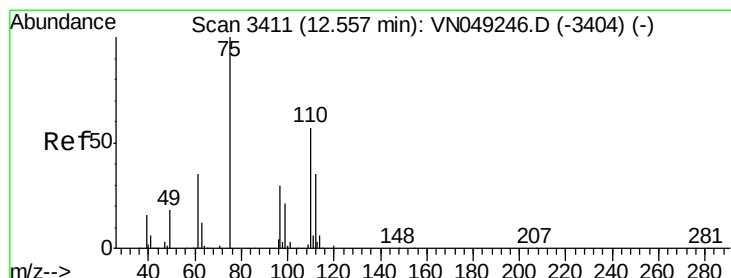
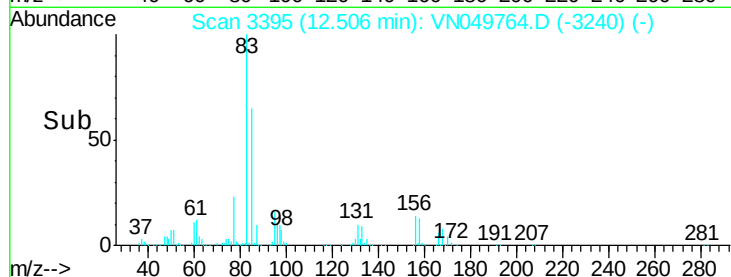
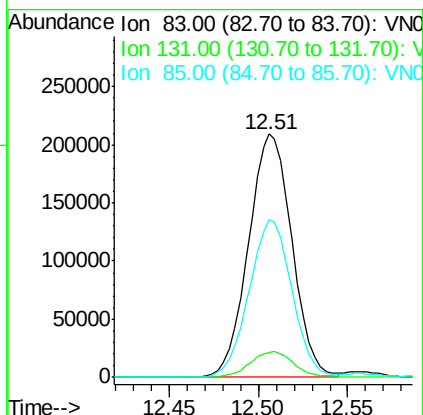
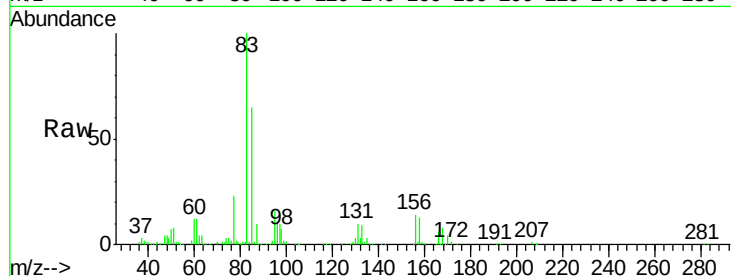
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 120 | 26.6  | 18.9  | 35.1  |





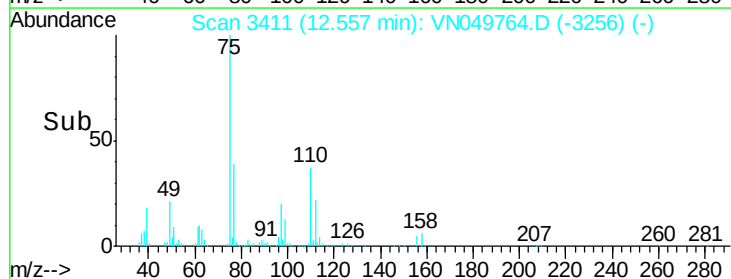
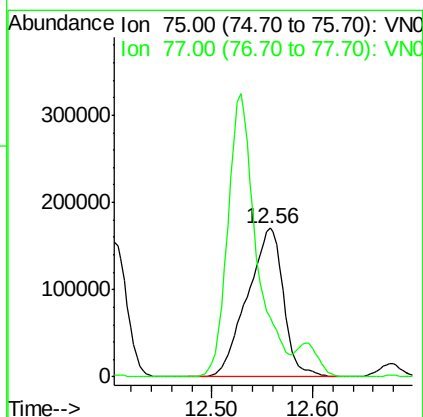
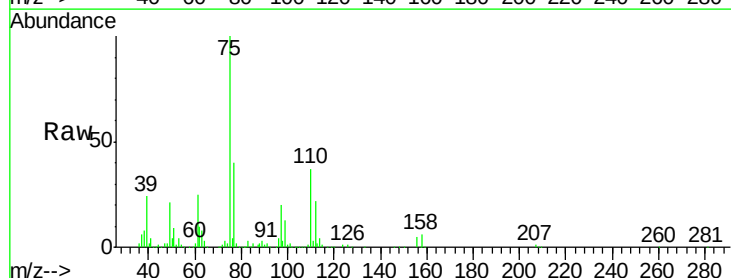
#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 20.143 ug/l  
 RT: 12.51 min Scan# 3395  
 Delta R.T. -0.00 min  
 Lab File: VN049764.D  
 Acq: 11 Jul 2018 18:37

Tgt Ion: 83 Resp: 355838  
 Ion Ratio Lower Upper  
 83 100  
 131 10.8 5.2 15.6  
 85 63.9 31.7 95.1

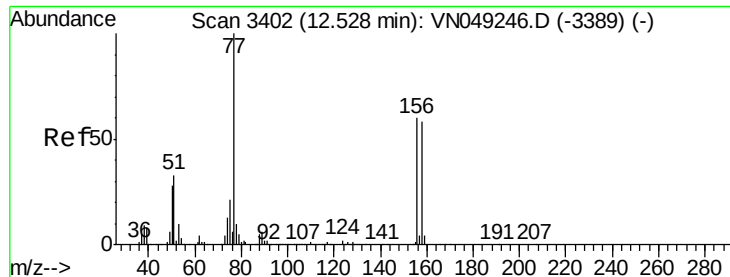


#72  
 1,2,3-Trichloropropane  
 Concen: 29.852 ug/l  
 RT: 12.56 min Scan# 3411  
 Delta R.T. -0.00 min  
 Lab File: VN049764.D  
 Acq: 11 Jul 2018 18:37

Tgt Ion: 75 Resp: 422233  
 Ion Ratio Lower Upper  
 75 100  
 77 152.0 0.0 454.4

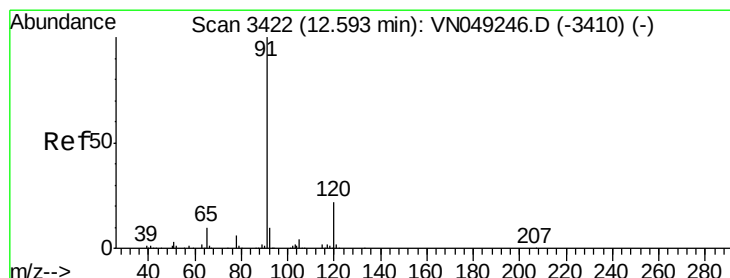
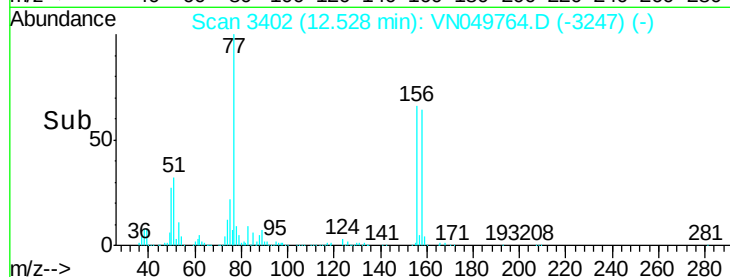
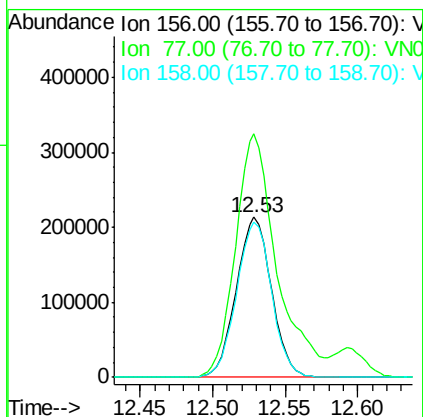
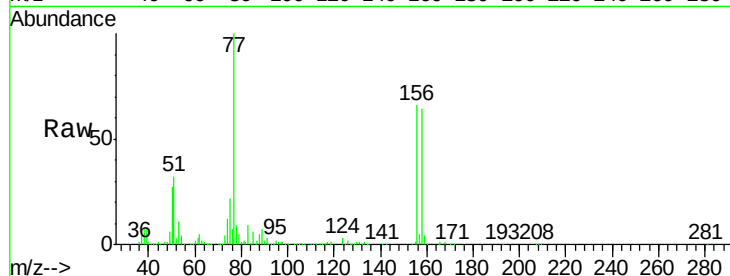






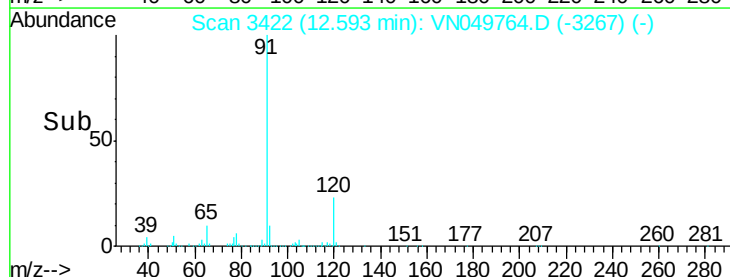
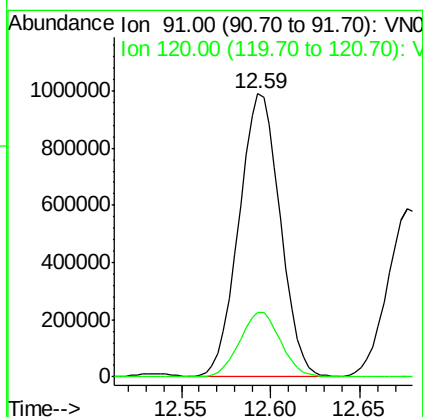
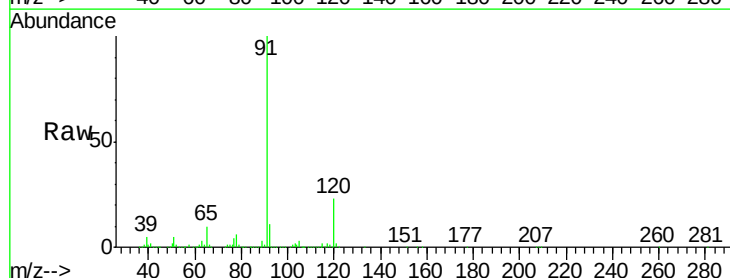
#73  
Bromobenzene  
Concen: 19.922 ug/l  
RT: 12.53 min Scan# 3402  
Delta R.T. -0.00 min  
Lab File: VN049764.D  
Acq: 11 Jul 2018 18:37

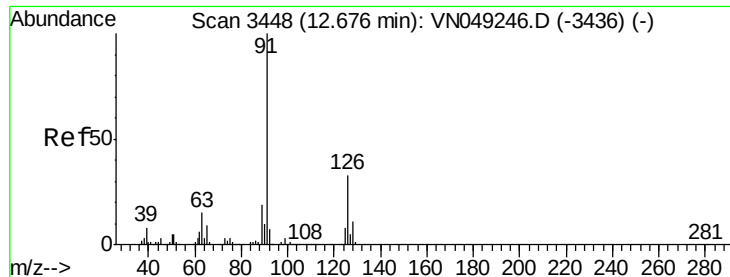
Tgt Ion: 156 Resp: 359487  
Ion Ratio Lower Upper  
156 100  
77 178.6 0.0 359.8  
158 96.7 0.0 192.8



#74  
n-propylbenzene  
Concen: 20.115 ug/l  
RT: 12.59 min Scan# 3422  
Delta R.T. -0.00 min  
Lab File: VN049764.D  
Acq: 11 Jul 2018 18:37

Tgt Ion: 91 Resp: 1602707  
Ion Ratio Lower Upper  
91 100  
120 22.6 0.0 46.4





#75

2-Chlorotoluene

Concen: 20.400 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049764.D

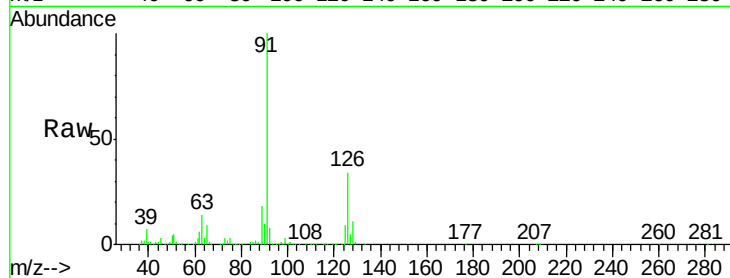
Acq: 11 Jul 2018 18:37

Tgt Ion: 91 Resp: 974889

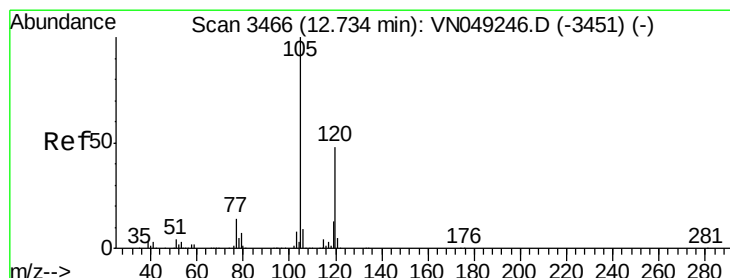
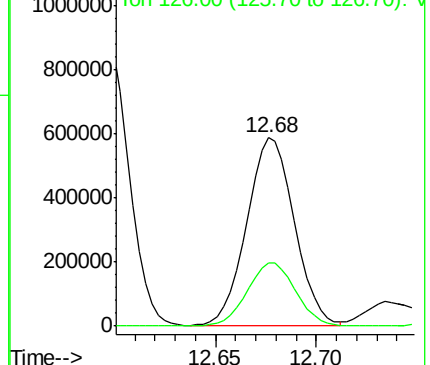
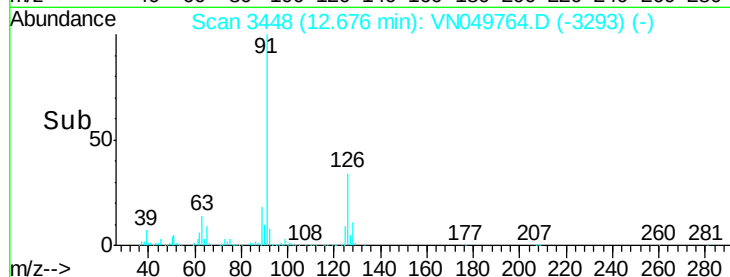
Ion Ratio Lower Upper

91 100

126 34.1 0.0 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN049764.D (-3293) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.669 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049764.D

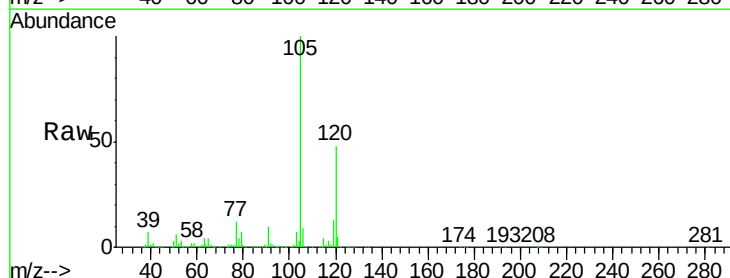
Acq: 11 Jul 2018 18:37

Tgt Ion: 105 Resp: 1156169

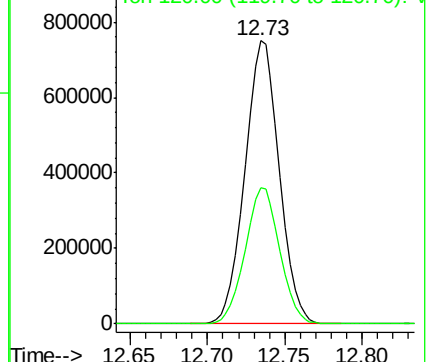
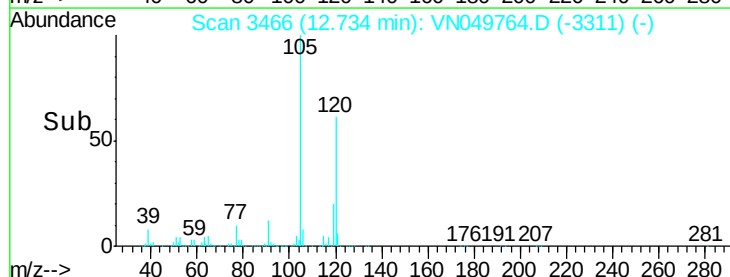
Ion Ratio Lower Upper

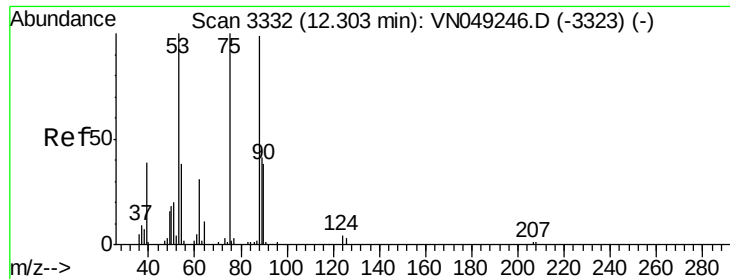
105 100

120 48.6 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): VN049764.D (-3311) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.925 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

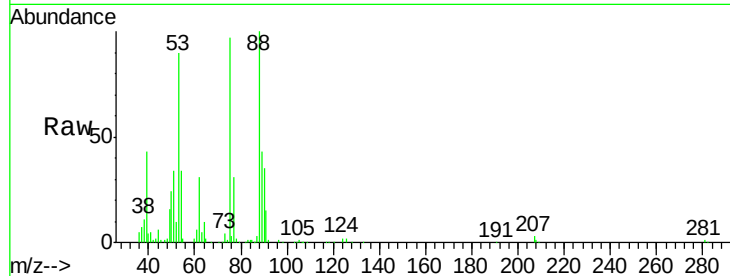
Tgt Ion: 75 Resp: 88862

Ion Ratio Lower Upper

75 100

53 92.8 44.6 134.0

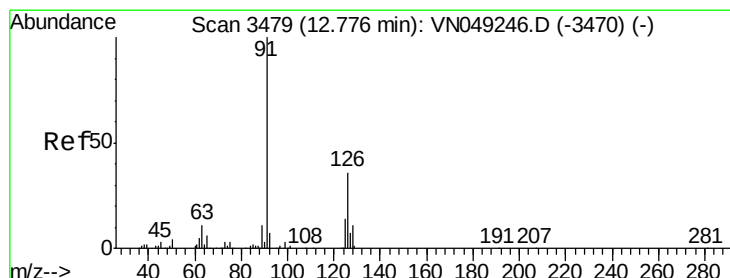
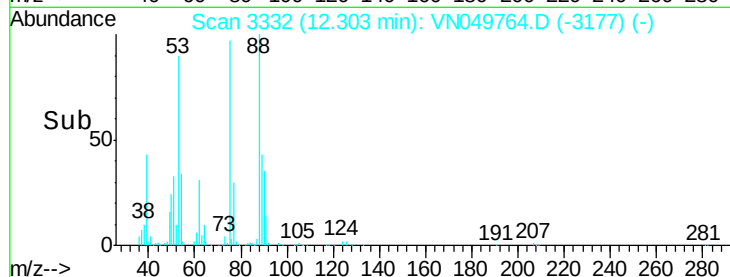
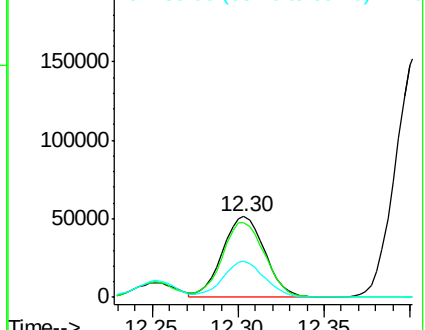
89 44.6 20.7 62.1



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: 19.944 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. -0.00 min

Lab File: VN049764.D

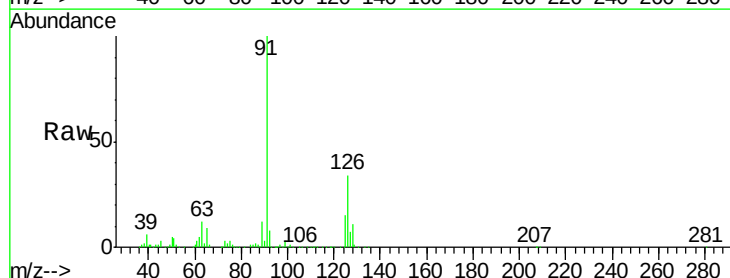
Acq: 11 Jul 2018 18:37

Tgt Ion: 91 Resp: 950411

Ion Ratio Lower Upper

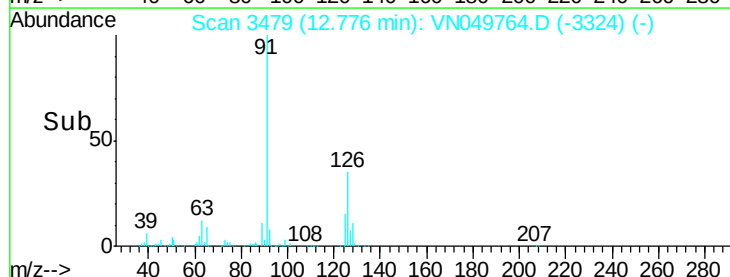
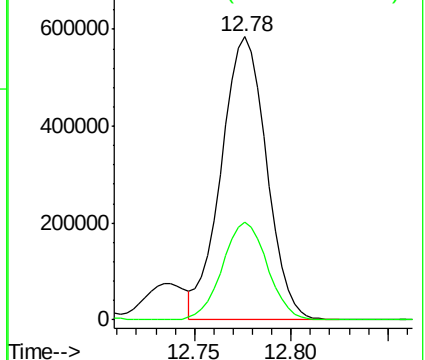
91 100

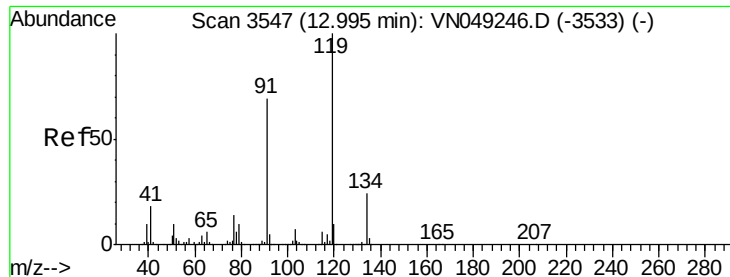
126 34.3 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

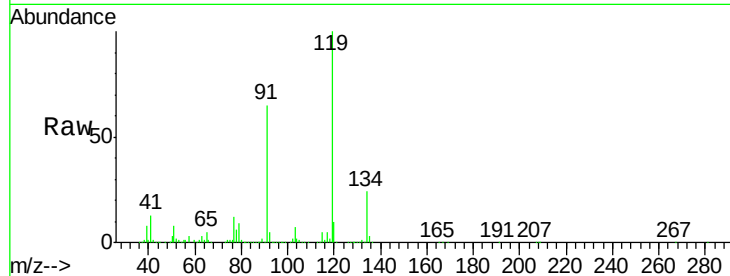
Ion 126.00 (125.70 to 126.70): V



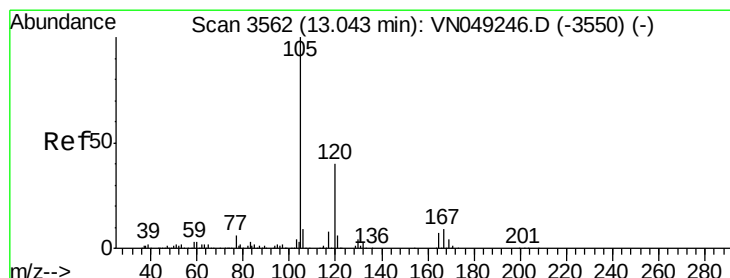
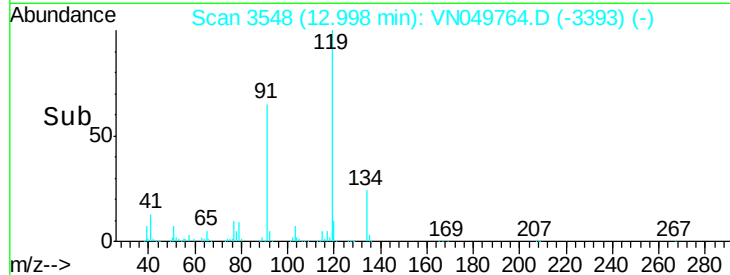
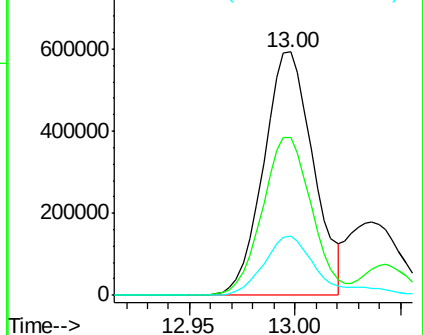


#79  
 tert-butylbenzene  
 Concen: 20.017 ug/l  
 RT: 13.00 min Scan# 3548  
 Delta R.T. -0.00 min  
 Lab File: VN049764.D  
 Acq: 11 Jul 2018 18:37

Tgt Ion:119 Resp: 971887  
 Ion Ratio Lower Upper  
 119 100  
 91 64.4 0.0 126.8  
 134 24.6 0.0 47.4

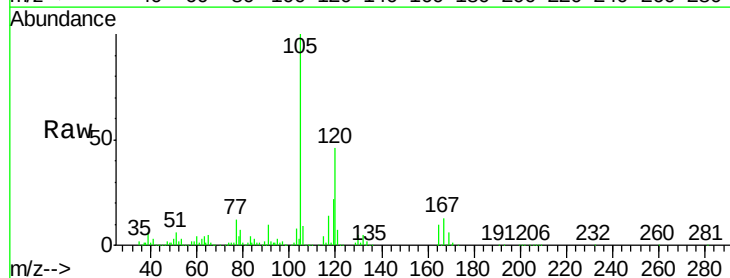


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 91.00 (90.70 to 91.70): V  
 Ion 134.00 (133.70 to 134.70): V

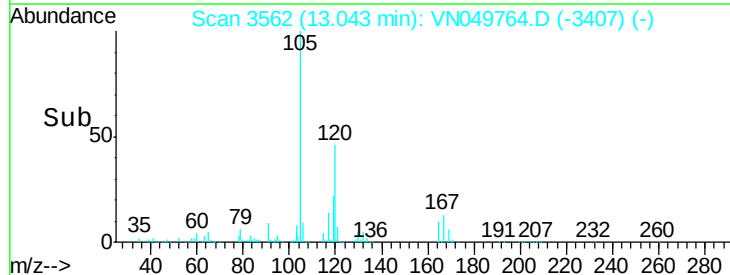
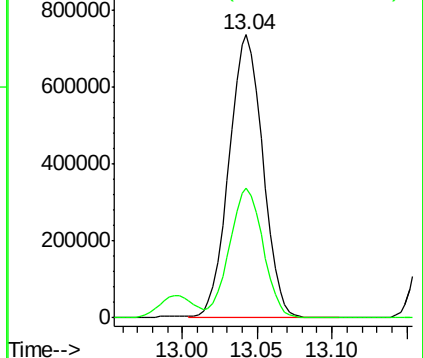


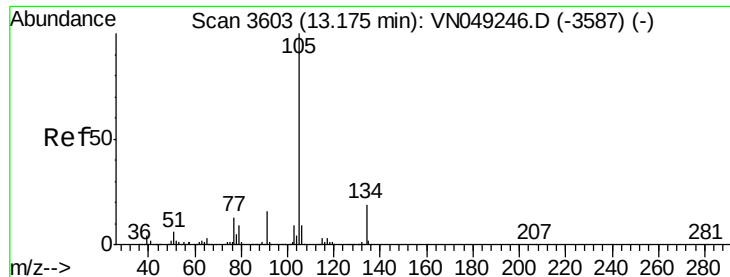
#80  
 1,2,4-Trimethylbenzene  
 Concen: 20.551 ug/l  
 RT: 13.04 min Scan# 3562  
 Delta R.T. -0.00 min  
 Lab File: VN049764.D  
 Acq: 11 Jul 2018 18:37

Tgt Ion:105 Resp: 1160526  
 Ion Ratio Lower Upper  
 105 100  
 120 45.5 0.0 90.6



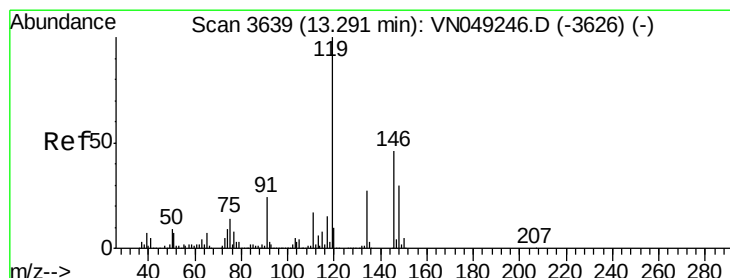
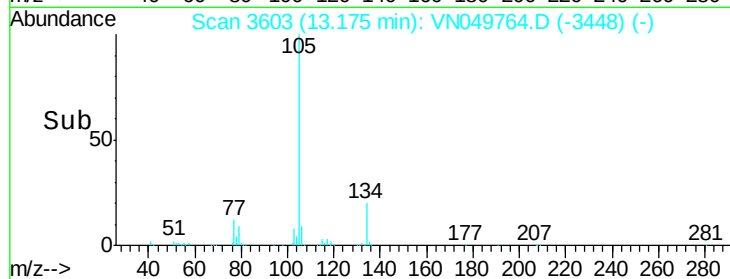
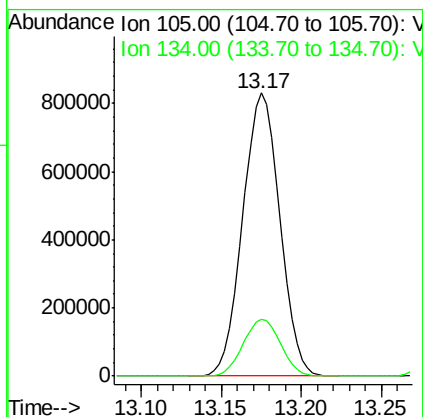
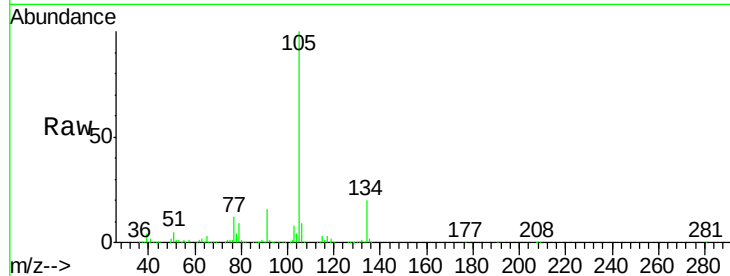
Abundance Ion 105.00 (104.70 to 105.70): V  
 Ion 120.00 (119.70 to 120.70): V





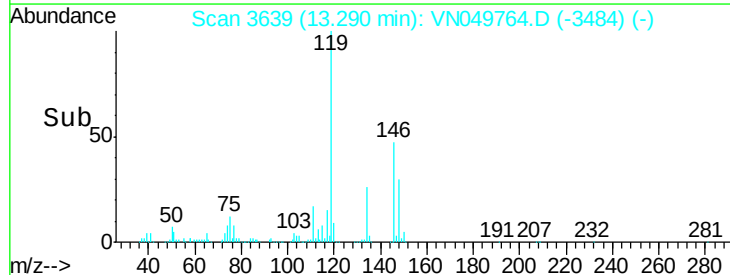
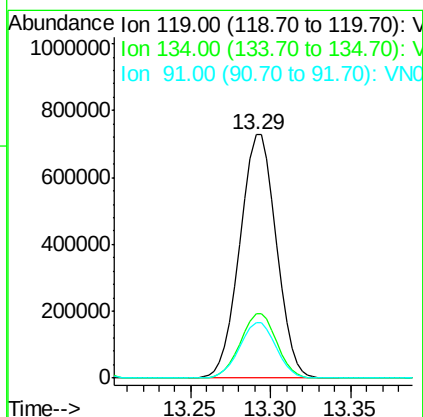
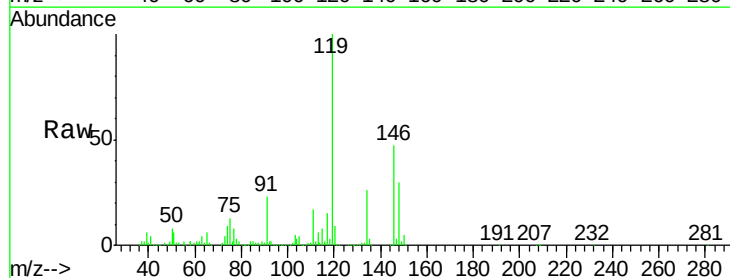
#81  
 sec-Butylbenzene  
 Concen: 20.145 ug/l  
 RT: 13.17 min Scan# 3603  
 Delta R.T. -0.00 min  
 Lab File: VN049764.D  
 Acq: 11 Jul 2018 18:37

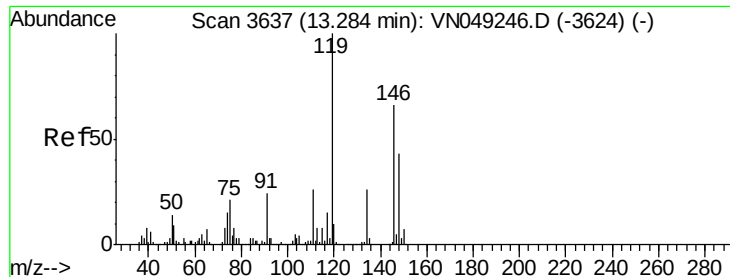
Tgt Ion:105 Resp: 1313742  
 Ion Ratio Lower Upper  
 105 100  
 134 20.3 0.0 40.6



#82  
 p-Isopropyltoluene  
 Concen: 20.018 ug/l  
 RT: 13.29 min Scan# 3639  
 Delta R.T. -0.00 min  
 Lab File: VN049764.D  
 Acq: 11 Jul 2018 18:37

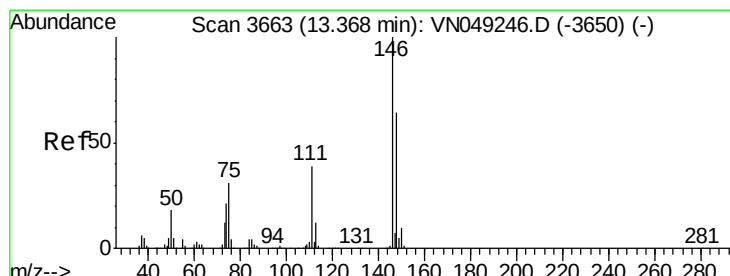
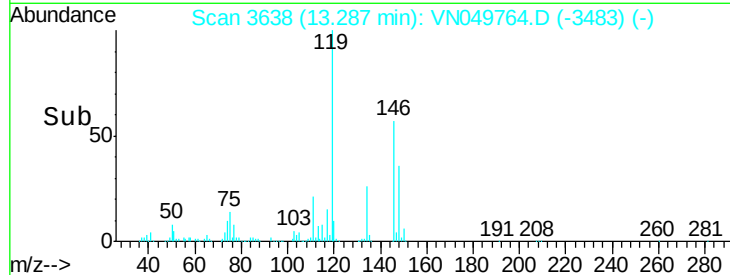
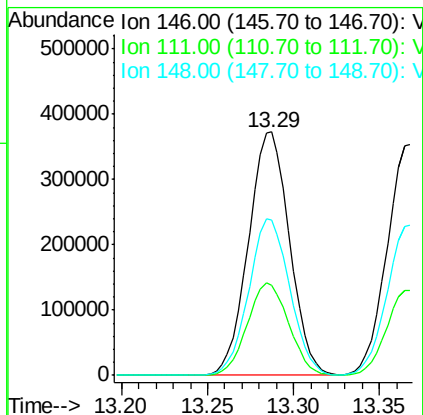
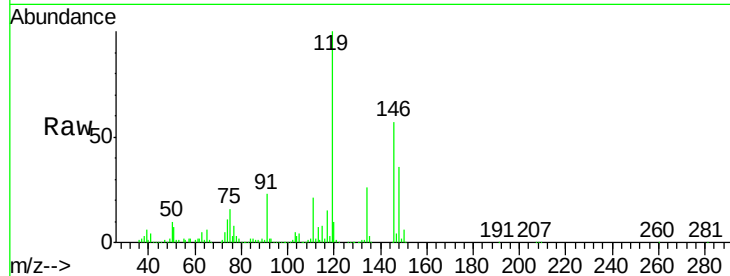
Tgt Ion:119 Resp: 1128851  
 Ion Ratio Lower Upper  
 119 100  
 134 26.5 0.0 52.2  
 91 22.7 0.0 45.6





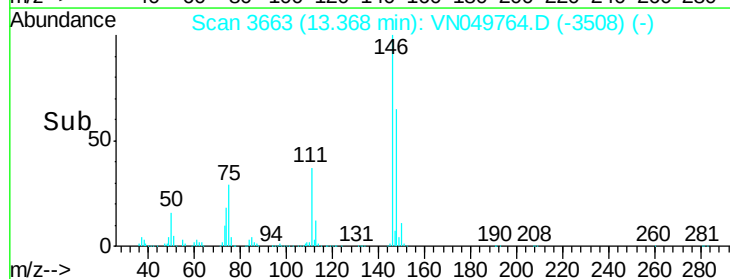
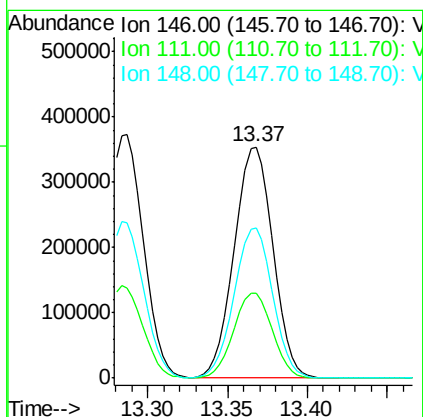
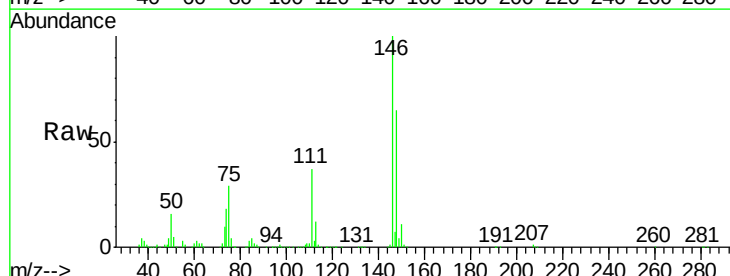
#83  
 1,3-Dichlorobenzene  
 Concen: 19.705 ug/l  
 RT: 13.29 min Scan# 3638  
 Delta R.T. -0.00 min  
 Lab File: VN049764.D  
 Acq: 11 Jul 2018 18:37

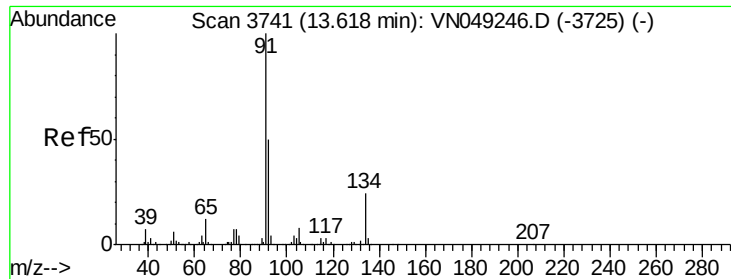
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.2  | 19.1  | 57.1  |
| 148     | 64.5  | 31.9  | 95.9  |



#84  
 1,4-Dichlorobenzene  
 Concen: 19.564 ug/l  
 RT: 13.37 min Scan# 3663  
 Delta R.T. -0.00 min  
 Lab File: VN049764.D  
 Acq: 11 Jul 2018 18:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.6  | 17.9  | 53.8  |
| 148     | 63.9  | 32.4  | 97.0  |





#85

n-Butylbenzene

Concen: 18.859 ug/l

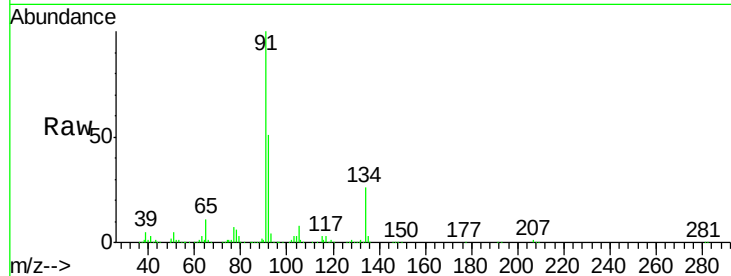
RT: 13.62 min Scan# 3741

Delta R.T. -0.00 min

Lab File: VN049764.D

Acq: 11 Jul 2018 18:37

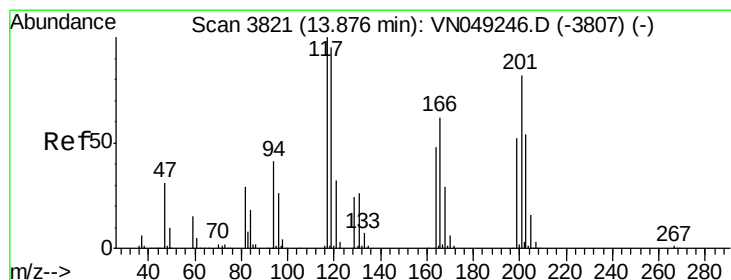
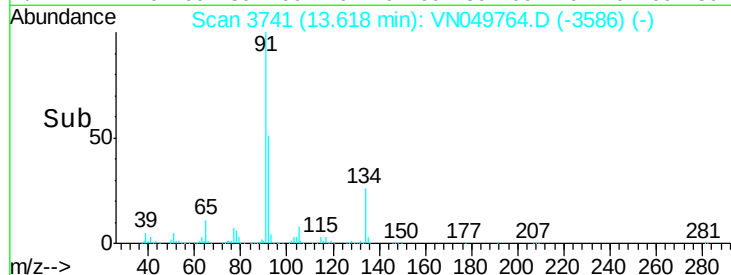
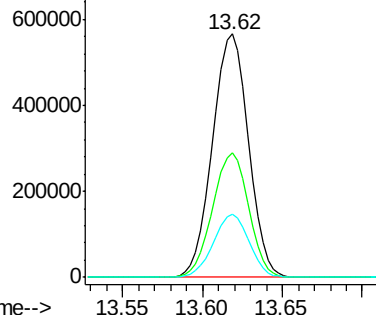
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 865825 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 51.4  | 0.0   | 102.8  |
| 134      | 25.7  | 0.0   | 51.0   |



Abundance Ion 91.00 (90.70 to 91.70): VN049246.D (-3725) (-)

Ion 92.00 (91.70 to 92.70): VN049246.D (-3725) (-)

Ion 134.00 (133.70 to 134.70): VN049246.D (-3725) (-)



#86

Hexachloroethane

Concen: 19.677 ug/l

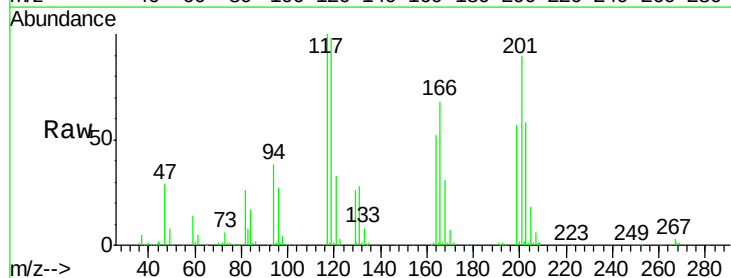
RT: 13.88 min Scan# 3821

Delta R.T. -0.00 min

Lab File: VN049764.D

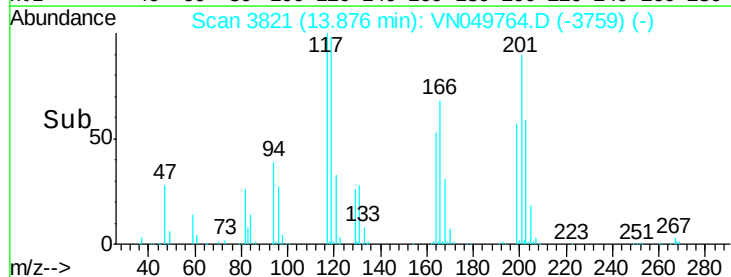
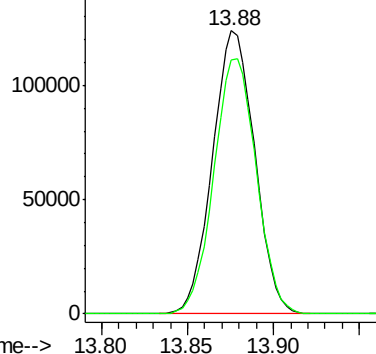
Acq: 11 Jul 2018 18:37

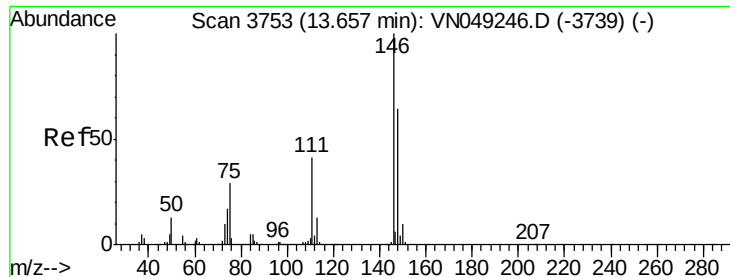
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 211075 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 201      | 90.6  | 46.6  | 139.7  |



Abundance Ion 117.00 (116.70 to 117.70): VN049246.D (-3807) (-)

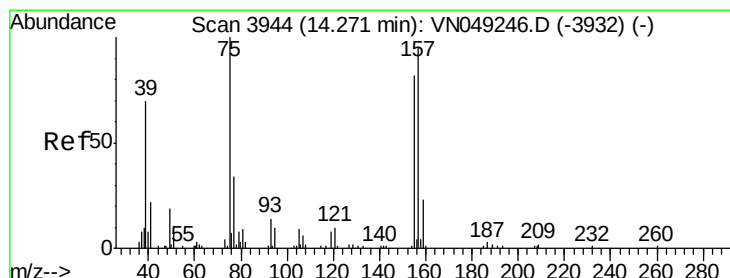
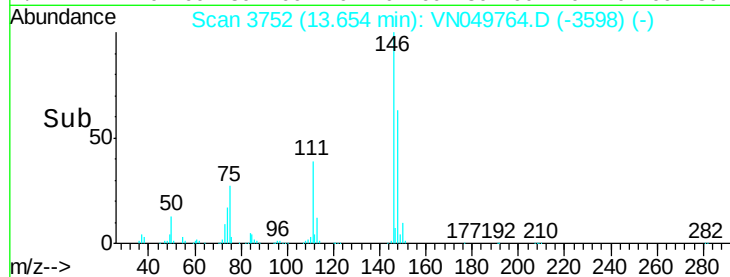
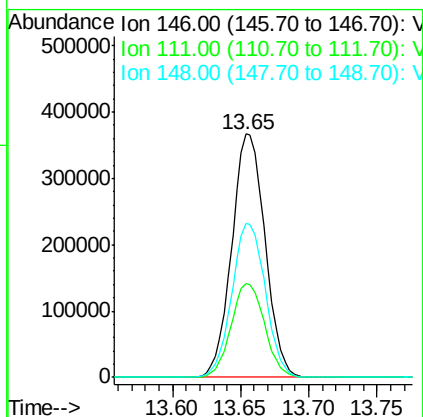
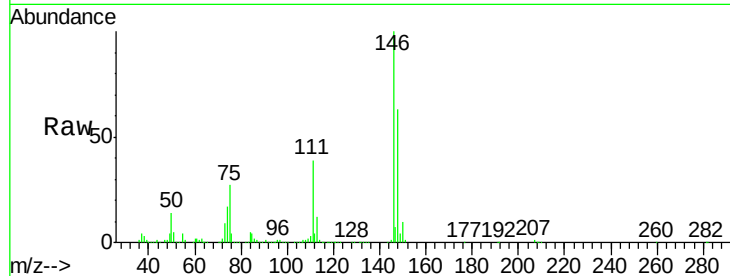
Ion 201.00 (200.70 to 201.70): VN049246.D (-3807) (-)





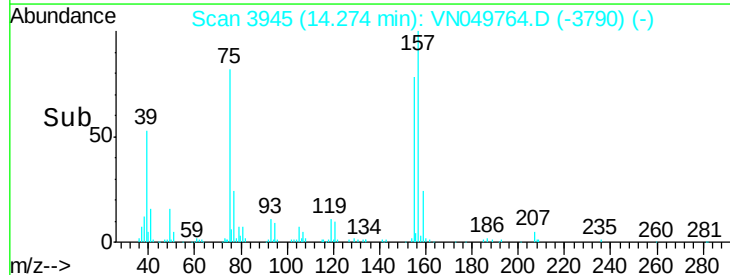
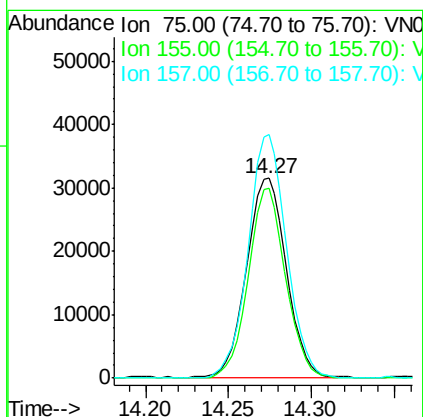
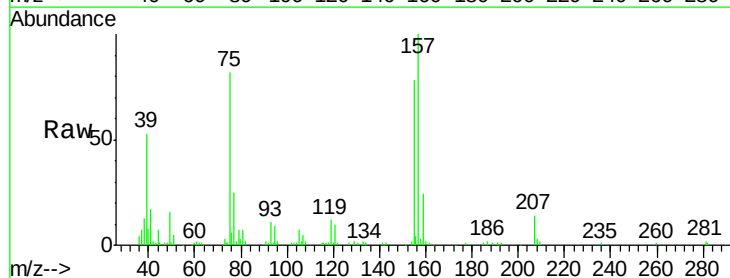
#87  
 1,2-Dichlorobenzene  
 Concen: 20.607 ug/l  
 RT: 13.65 min Scan# 3752  
 Delta R.T. -0.00 min  
 Lab File: VN049764.D  
 Acq: 11 Jul 2018 18:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 621455 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 111      | 38.6  | 19.8  | 59.3   |
| 148      | 63.7  | 31.8  | 95.3   |

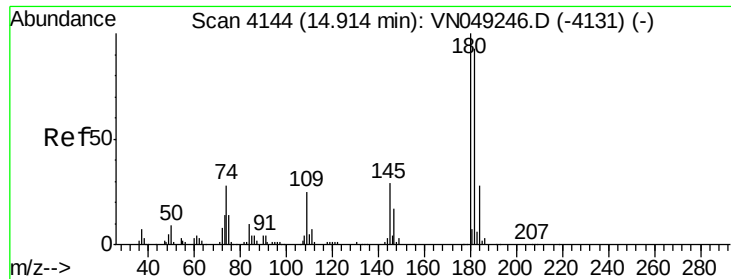


#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.212 ug/l  
 RT: 14.27 min Scan# 3945  
 Delta R.T. -0.00 min  
 Lab File: VN049764.D  
 Acq: 11 Jul 2018 18:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 53173 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 88.0  | 73.0  | 109.6 |
| 157      | 116.4 | 94.9  | 142.3 |

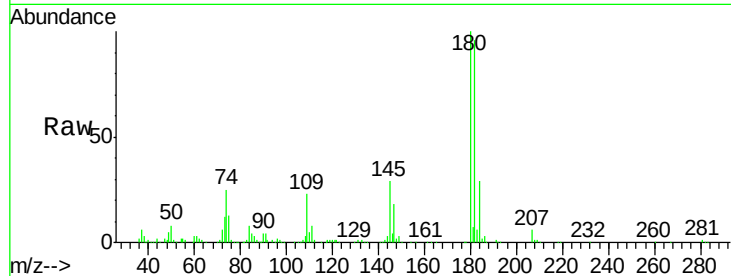




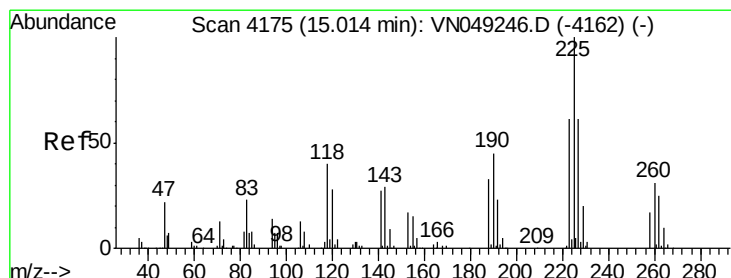
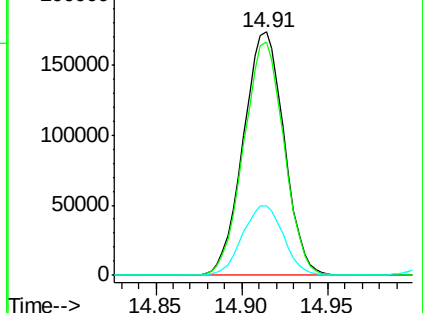
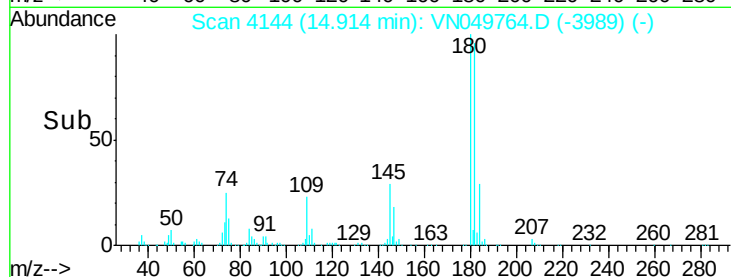


#89  
 1,2,4-Trichlorobenzene  
 Concen: 18.817 ug/l  
 RT: 14.91 min Scan# 4144  
 Delta R.T. -0.00 min  
 Lab File: VN049764.D  
 Acq: 11 Jul 2018 18:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 286555 |       |       |
| 182     | 94.7  |        | 76.7  | 115.1 |
| 145     | 28.5  |        | 23.4  | 35.0  |

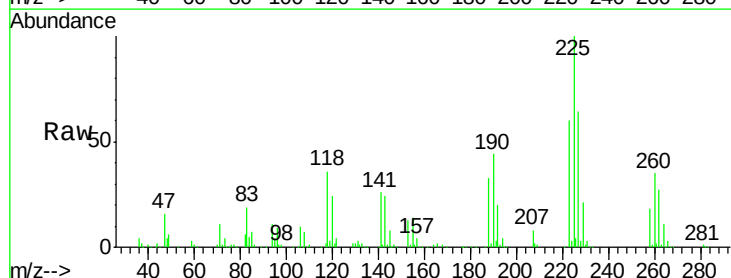


Abundance Ion 180.00 (179.70 to 180.70): V  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 145.00 (144.70 to 145.70): V

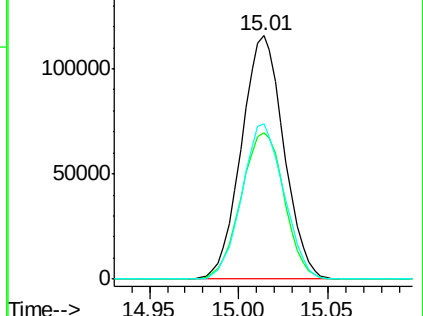
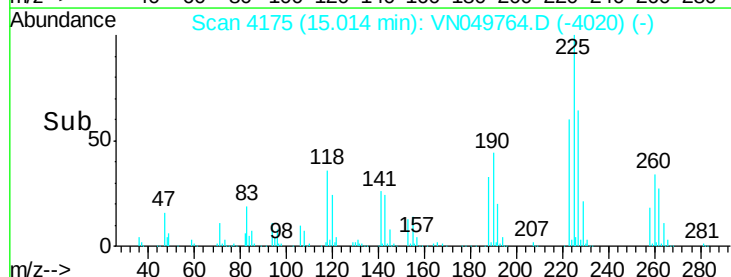


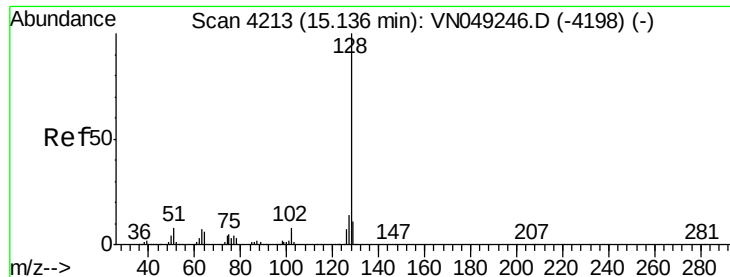
#90  
 Hexachlorobutadiene  
 Concen: 19.783 ug/l  
 RT: 15.01 min Scan# 4175  
 Delta R.T. -0.00 min  
 Lab File: VN049764.D  
 Acq: 11 Jul 2018 18:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 191719 |       |       |
| 223     | 61.4  |        | 0.0   | 124.4 |
| 227     | 62.9  |        | 0.0   | 133.0 |



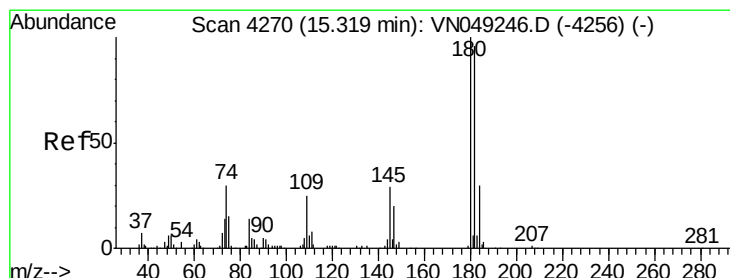
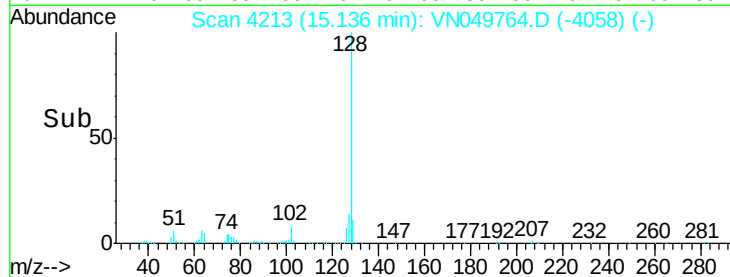
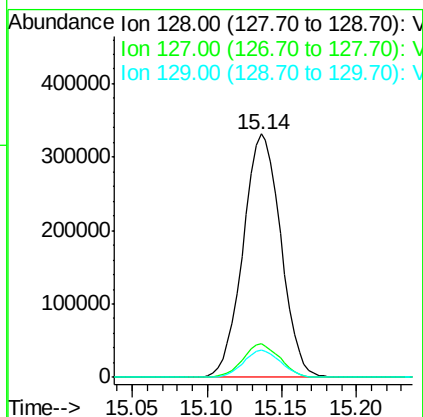
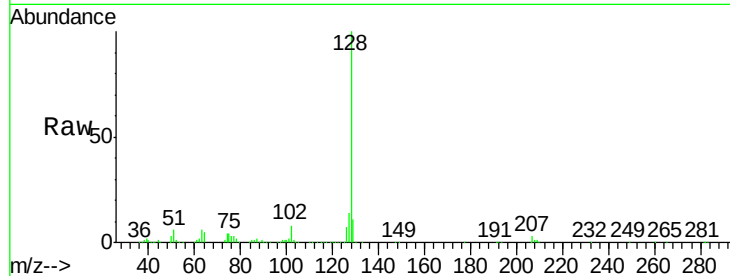
Abundance Ion 225.00 (224.70 to 225.70): V  
 Ion 223.00 (222.70 to 223.70): V  
 Ion 227.00 (226.70 to 227.70): V





#91  
Naphthalene  
Concen: 17.374 ug/l  
RT: 15.14 min Scan# 4213  
Delta R.T. -0.00 min  
Lab File: VN049764.D  
Acq: 11 Jul 2018 18:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.5  | 10.2  | 15.4  |
| 129     | 11.0  | 9.0   | 13.4  |



#92  
1,2,3-Trichlorobenzene  
Concen: 19.874 ug/l  
RT: 15.32 min Scan# 4270  
Delta R.T. -0.00 min  
Lab File: VN049764.D  
Acq: 11 Jul 2018 18:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.3  | 0.0   | 188.8 |
| 145     | 29.9  | 0.0   | 60.8  |

