

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\  
 Data File : VN050375.D  
 Acq On : 6 Aug 2018 11:10  
 Operator : MD\SY  
 Sample : VSTDIC001  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

Quant Time: Aug 07 01:44:06 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080618W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 01:31:13 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 605372   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 936066   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 829895   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 367027   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |      |       |      |
|---------------------------|--------|-----|----------|------|-------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 9134     | 1.13 | ug/l  | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 2.26% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 7461     | 0.99 | ug/l  | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 1.98% |      |
| 50) Toluene-d8            | 10.09  | 98  | 23499    | 0.83 | ug/l  | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 1.66% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 7576     | 0.79 | ug/l  | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 1.58% |      |

## Target Compounds

|                               |      |     |       |        |        | Qvalue |
|-------------------------------|------|-----|-------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 7066  | 1.052  | ug/l   | 97     |
| 4) Vinyl Chloride             | 2.18 | 62  | 8989  | 1.033  | ug/l # | 88     |
| 5) Bromomethane               | 2.56 | 94  | 8530  | 2.185  | ug/l   | 91     |
| 6) Chloroethane               | 2.70 | 64  | 5825  | 1.087  | ug/l   | 96     |
| 7) Trichlorofluoromethane     | 3.01 | 101 | 11614 | 1.034  | ug/l   | 97     |
| 8) Diethyl Ether              | 3.41 | 74  | 4015  | 0.975  | ug/l   | 78     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 7334  | 1.056  | ug/l # | 55     |
| 10) Methyl Iodide             | 3.95 | 142 | 2532  | 0.828  | ug/l # | 66     |
| 11) Tert butyl alcohol        | 4.80 | 59  | 3361  | 5.173  | ug/l # | 72     |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 7207  | 1.101  | ug/l   | 96     |
| 13) Acrolein                  | 3.61 | 56  | 4357  | 19.873 | ug/l # | 64     |
| 14) Allyl chloride            | 4.32 | 41  | 10600 | 1.009  | ug/l   | 96     |
| 15) Acrylonitrile             | 4.99 | 53  | 13113 | 4.818  | ug/l   | 99     |
| 16) Acetone                   | 3.82 | 43  | 17251 | 6.802  | ug/l   | 92     |
| 17) Carbon Disulfide          | 4.05 | 76  | 26703 | 1.255  | ug/l   | 97     |
| 18) Methyl Acetate            | 4.33 | 43  | 11306 | 1.617  | ug/l   | 92     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 17342 | 0.934  | ug/l   | 99     |
| 20) Methylene Chloride        | 4.55 | 84  | 15152 | 0.520  | ug/l   | 92     |
| 21) trans-1,2-Dichloroethene  | 5.05 | 96  | 7391  | 1.044  | ug/l # | 81     |
| 22) Diisopropyl ether         | 5.95 | 45  | 19071 | 0.888  | ug/l # | 75     |
| 23) Vinyl Acetate             | 5.90 | 43  | 64824 | 4.232  | ug/l   | 95     |
| 24) 1,1-Dichloroethane        | 5.84 | 63  | 13433 | 1.020  | ug/l   | 98     |
| 25) 2-Butanone                | 6.84 | 43  | 18864 | 4.707  | ug/l   | 92     |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 12051 | 1.110  | ug/l # | 69     |
| 27) cis-1,2-Dichloroethene    | 6.82 | 96  | 7857  | 1.001  | ug/l   | 92     |
| 28) Bromochloromethane        | 7.20 | 49  | 6513  | 1.074  | ug/l # | 99     |
| 29) Tetrahydrofuran           | 7.22 | 42  | 10648 | 4.963  | ug/l # | 66     |
| 30) Chloroform                | 7.37 | 83  | 13097 | 0.994  | ug/l   | 89     |
| 31) Cyclohexane               | 7.66 | 56  | 19807 | 1.093  | ug/l # | 27     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 11168 | 0.987  | ug/l # | 50     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 8960  | 0.871  | ug/l   | 95     |
| 37) Ethyl Acetate             | 6.93 | 43  | 6453  | 0.871  | ug/l # | 89     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 11409 | 1.063  | ug/l   | 87     |
| 39) Methylcyclohexane         | 9.08 | 83  | 9969  | 0.888  | ug/l   | 94     |

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 ALS Vial : 2 Sample Multiplier: 1

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 ClientSampleId :  
 VSTDIC001

Quant Time: Aug 07 01:44:06 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080618W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 01:31:13 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 40) Benzene                    | 8.04  | 78   | 30154    | 0.954  | ug/l   | 96       |
| 41) Methacrylonitrile          | 7.17  | 41   | 2851     | 0.724  | ug/l # | 53       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 9910     | 0.987  | ug/l   | 94       |
| 43) Isopropyl Acetate          | 8.16  | 43   | 10920    | 0.854  | ug/l # | 79       |
| 44) Trichloroethene            | 8.83  | 130  | 8864     | 1.043  | ug/l   | 84       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 8006     | 0.963  | ug/l   | 94       |
| 46) Dibromomethane             | 9.21  | 93   | 4866     | 0.948  | ug/l   | 95       |
| 47) Bromodichloromethane       | 9.40  | 83   | 10357    | 0.974  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.20  | 41   | 5813     | 0.907  | ug/l   | 90       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 2041     | 20.662 | ug/l # | 86       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 37883    | 4.114  | ug/l   | 95       |
| 52) Toluene                    | 10.15 | 92   | 15992    | 0.842  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 8977     | 0.841  | ug/l   | 92       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 9800     | 0.823  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 7015     | 0.946  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 6690     | 2.326  | ug/l   | 93       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 11141    | 0.915  | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 15791    | 10.527 | ug/l   | 97       |
| 59) 2-Hexanone                 | 10.75 | 43   | 26652    | 4.147  | ug/l   | 86       |
| 60) Dibromochloromethane       | 10.90 | 129  | 7676     | 0.940  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 6072     | 0.831  | ug/l   | 88       |
| 64) Tetrachloroethene          | 10.63 | 164  | 7891     | 1.018  | ug/l   | 93       |
| 65) Chlorobenzene              | 11.43 | 112  | 22219    | 1.068  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 7636     | 1.008  | ug/l # | 65       |
| 67) Ethyl Benzene              | 11.51 | 91   | 29042    | 0.864  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.63 | 106  | 20575    | 1.607  | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 10088    | 0.818  | ug/l   | 96       |
| 70) Stvrene                    | 11.97 | 104  | 14886    | 0.742  | ug/l   | 97       |
| 71) Bromoform                  | 12.13 | 173  | 4834     | 0.873  | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.25 | 105  | 25639    | 0.931  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 8538     | 0.956  | ug/l # | 95       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 8881     | 1.117  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 9760     | 1.469  | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 7641     | 1.035  | ug/l   | 91       |
| 78) n-propylbenzene            | 12.59 | 91   | 27710    | 0.889  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 19213    | 0.998  | ug/l   | 93       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 18502    | 0.827  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 1461     | 0.773  | ug/l # | 81       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 17553    | 0.914  | ug/l   | 96       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 17856    | 0.915  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 17808    | 0.786  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 23745    | 0.913  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 18311    | 0.822  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 13506    | 1.027  | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene        | 13.28 | 146  | 13506    | 1.029  | ug/l   | 94       |
| 89) n-Butylbenzene             | 13.62 | 91   | 18879    | 0.995  | ug/l   | 95       |
| 90) Hexachloroethane           | 13.88 | 117  | 4746     | 1.198  | ug/l   | 88       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 14560    | 1.105  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 1654     | 1.226  | ug/l   | 71       |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 6821     | 1.016  | ug/l   | 95       |

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Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 2 Sample Multiplier: 1

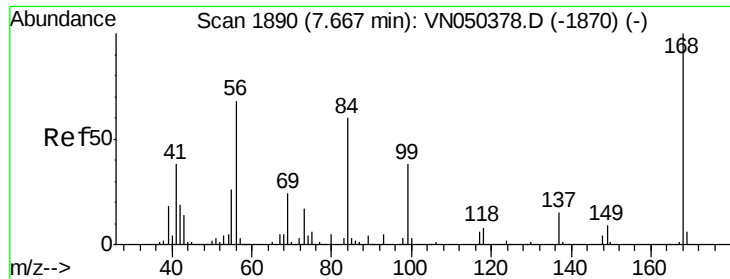
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

Quant Time: Aug 07 01:44:06 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080618W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 07 01:31:13 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 94) Hexachlorobutadiene    | 15.01 | 225  | 9800     | 1.064 | ug/l  | 95       |
| 95) Naphthalene            | 15.13 | 128  | 14079    | 4.355 | ug/l  | 95       |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 7890     | 1.163 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampleId :

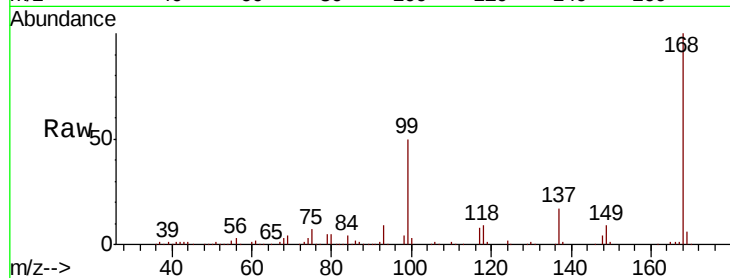
VSTDIC001

Tot Ion:168 Resp: 605372

Ion Ratio Lower Upper

168 100

99 49.5 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050378.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050378.D (-1870) (-)

7.66

250000

200000

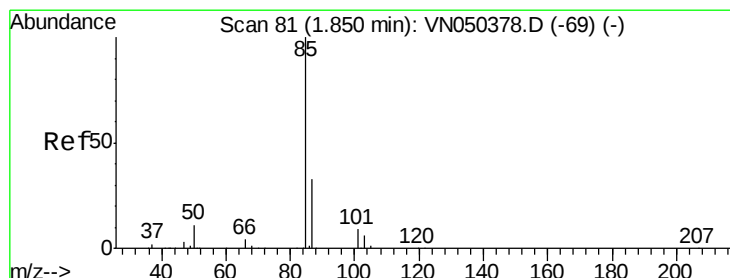
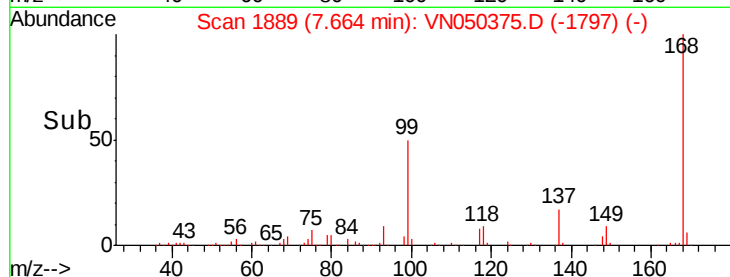
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.052 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050375.D

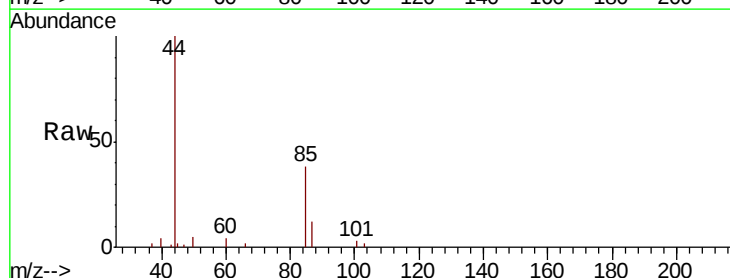
Acq: 6 Aug 2018 11:10

Tgt Ion: 85 Resp: 7066

Ion Ratio Lower Upper

85 100

87 30.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN050378.D (-69) (-)

Ion 86.90 (86.60 to 87.60): VN050378.D (-69) (-)

1.85

5000

4000

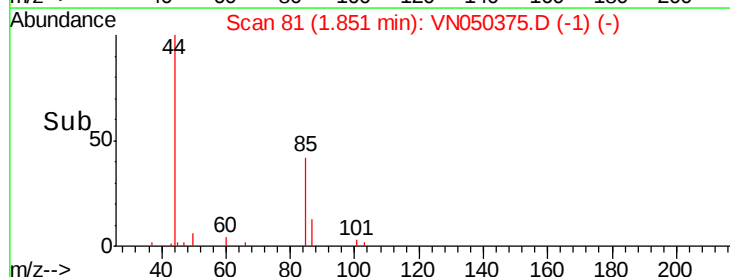
3000

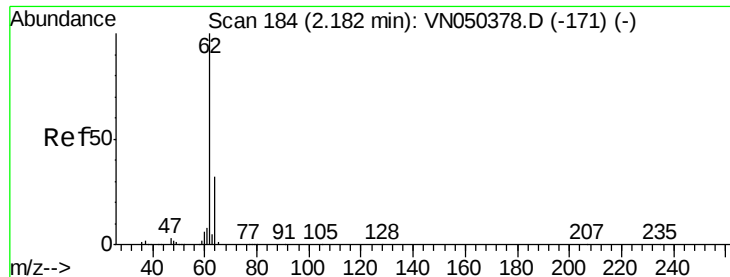
2000

1000

0

Time-->





#4

Vinyl Chloride

Concen: 1.033 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampled :

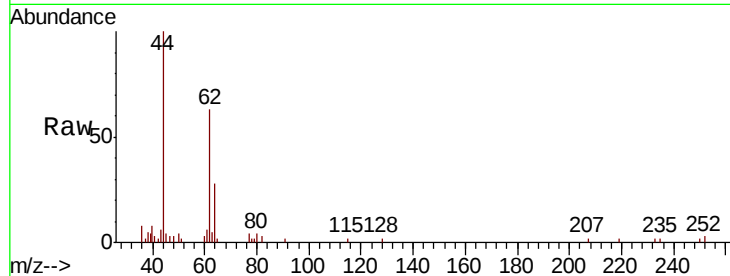
VSTDIC001

Tot Ion: 62 Resp: 8989

Ion Ratio Lower Upper

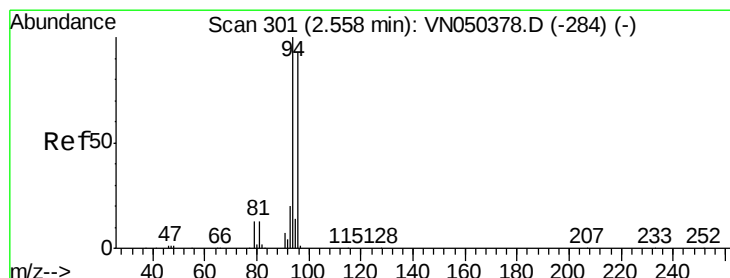
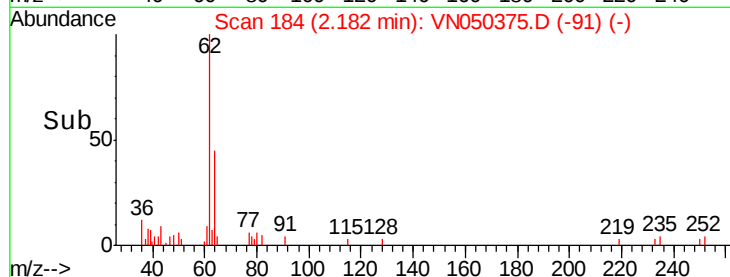
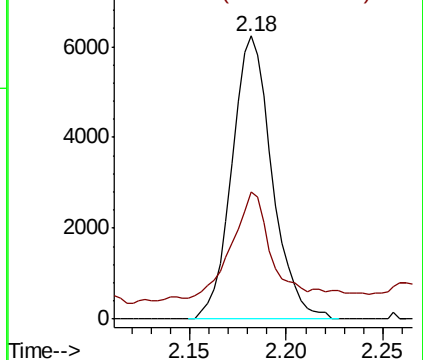
62 100

64 37.6 24.7 37.1#



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



#5

Bromomethane

Concen: 2.185 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050375.D

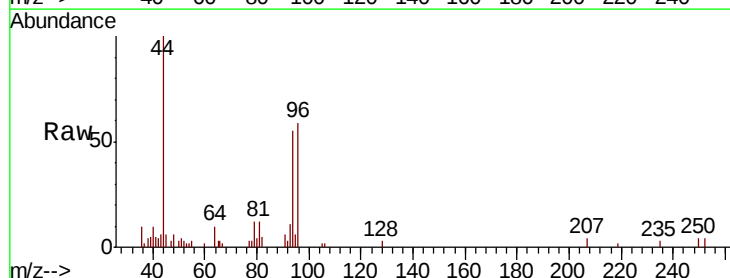
Acq: 6 Aug 2018 11:10

Tgt Ion: 94 Resp: 8530

Ion Ratio Lower Upper

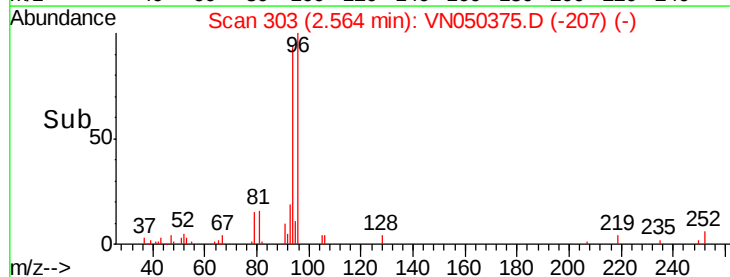
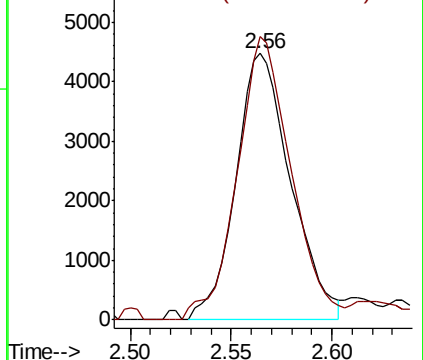
94 100

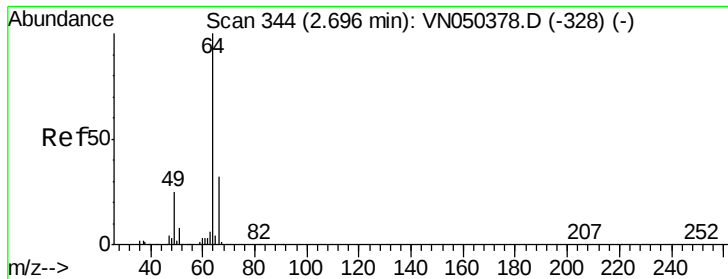
96 101.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO





#6

Chloroethane

Concen: 1.087 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampleId :

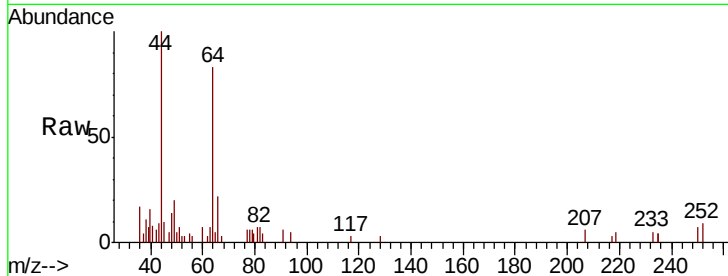
VSTDIC001

Tot Ion: 64 Resp: 5825

Ion Ratio Lower Upper

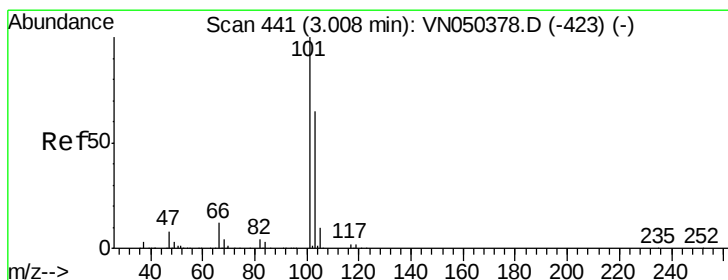
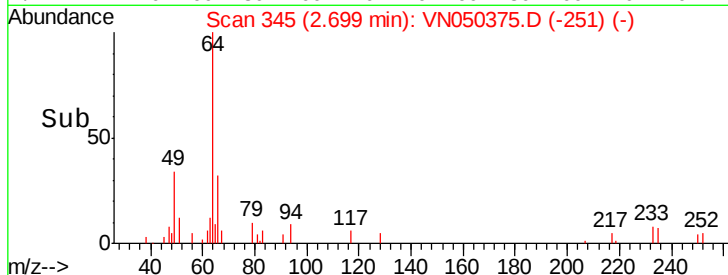
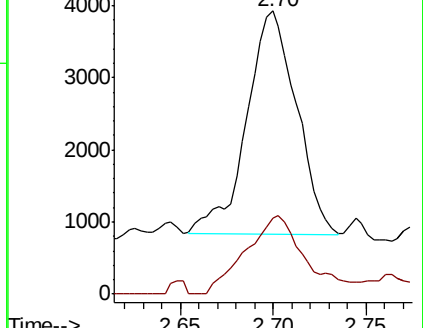
64 100

66 33.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



#7

Trichlorofluoromethane

Concen: 1.034 ug/l

RT: 3.01 min Scan# 441

Delta R.T. 0.00 min

Lab File: VN050375.D

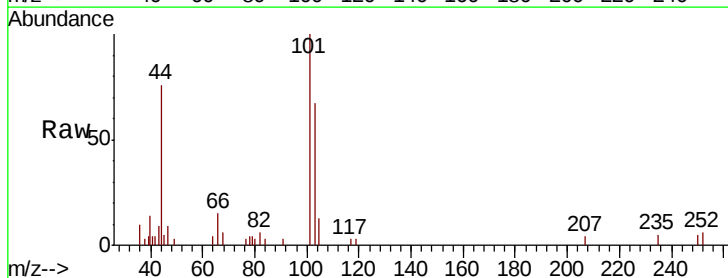
Acq: 6 Aug 2018 11:10

Tgt Ion:101 Resp: 11614

Ion Ratio Lower Upper

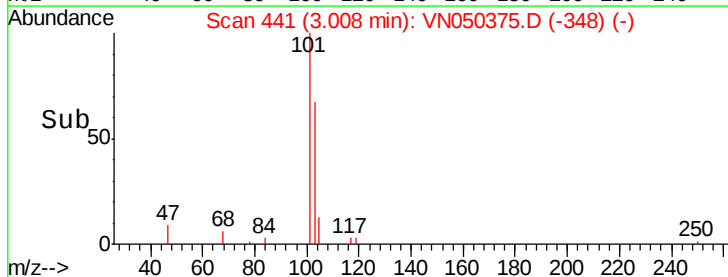
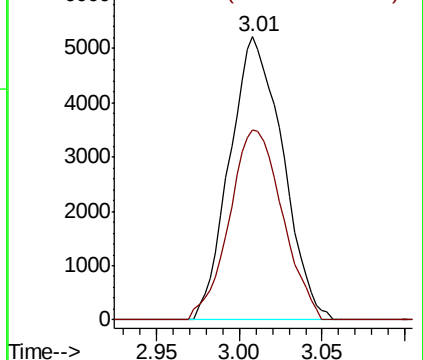
101 100

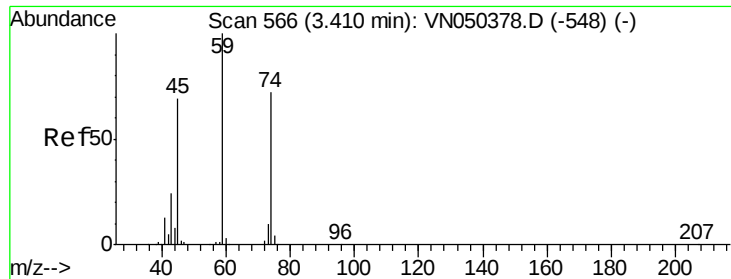
103 66.9 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#8

Diethyl Ether

Concen: 0.975 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampleId :

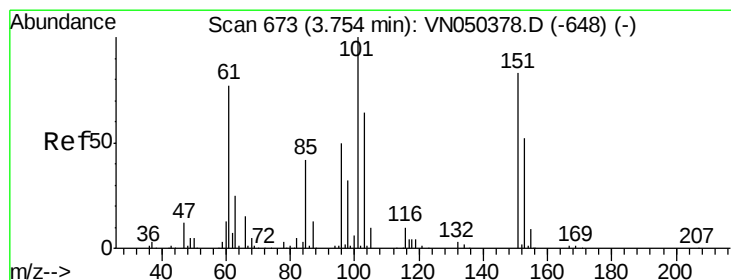
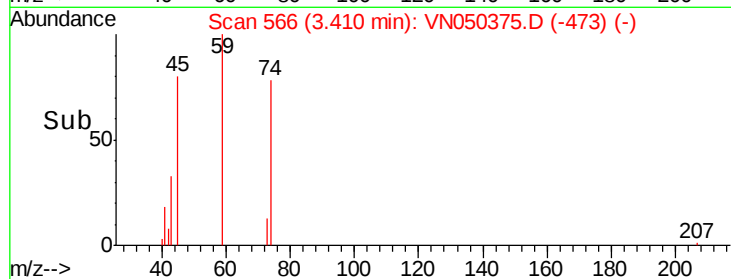
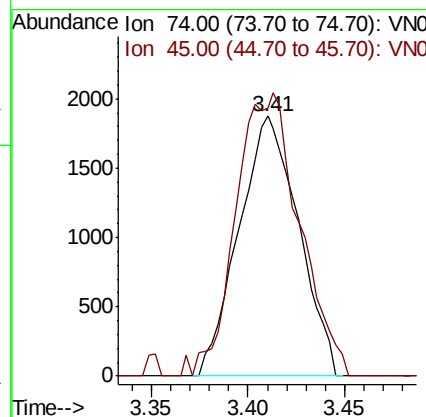
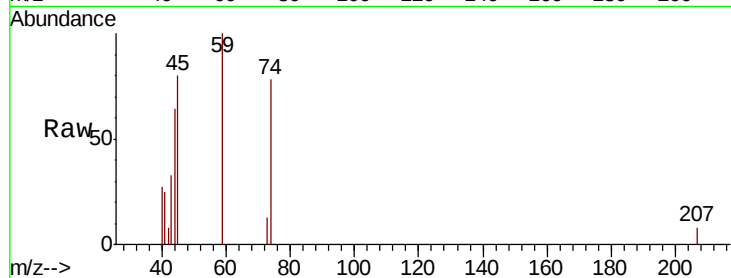
VSTDIC001

Tot Ion: 74 Resp: 4015

Ion Ratio Lower Upper

74 100

45 116.5 47.6 142.8



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.056 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

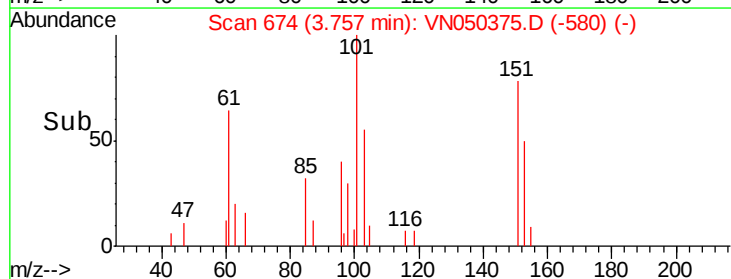
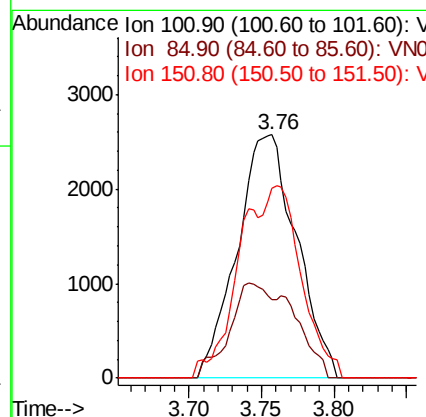
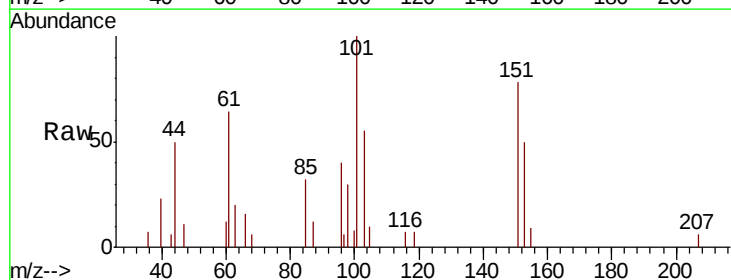
Tgt Ion: 101 Resp: 7334

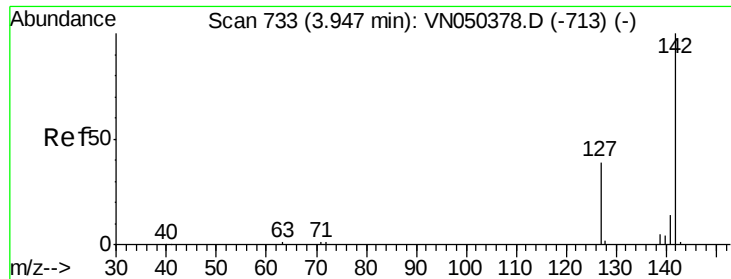
Ion Ratio Lower Upper

101 100

85 28.6 34.2 51.2#

151 31.7 66.3 99.5#

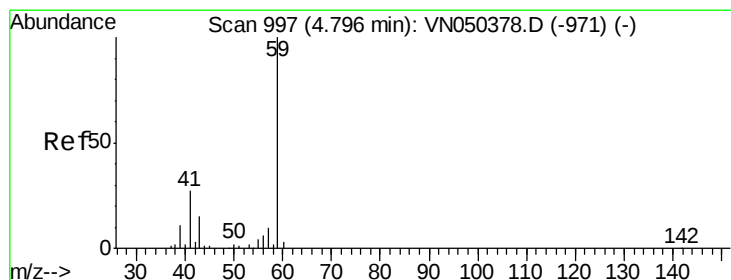
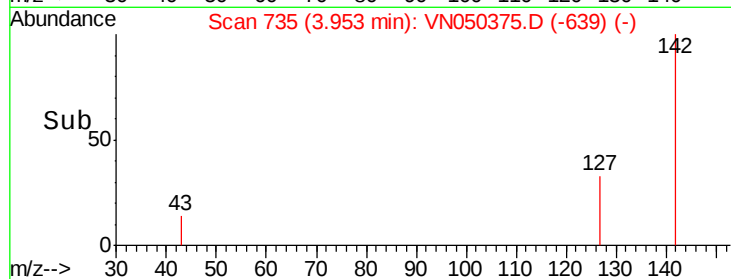
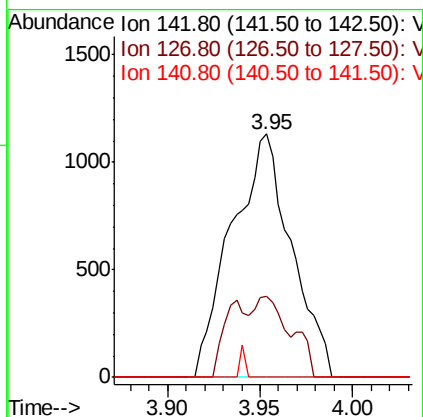
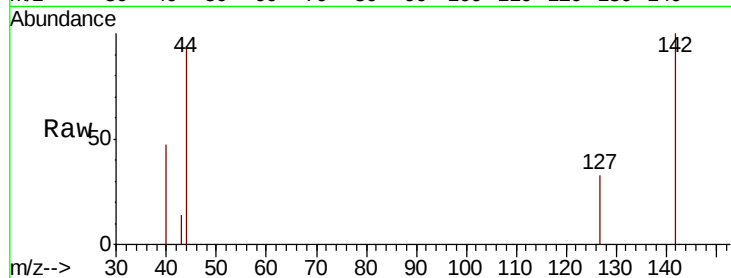




#10  
Methyl Iodide  
Concen: 0.828 ug/l  
RT: 3.95 min Scan# 735  
Delta R.T. 0.01 min  
Lab File: VN050375.D  
Acq: 6 Aug 2018 11:10

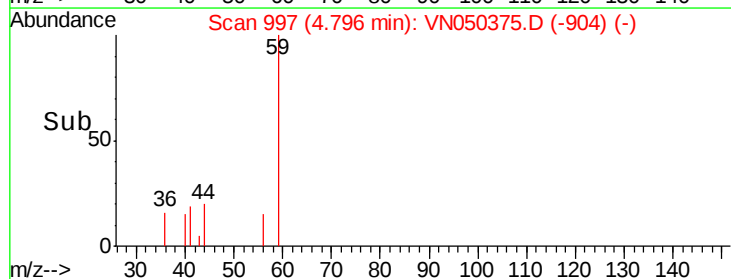
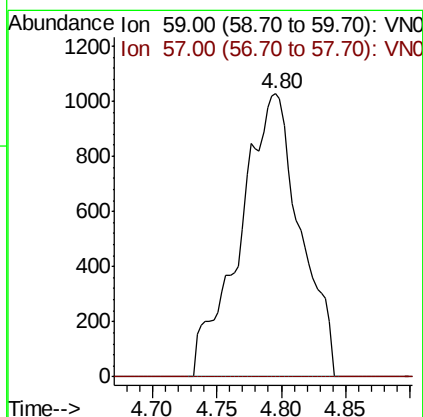
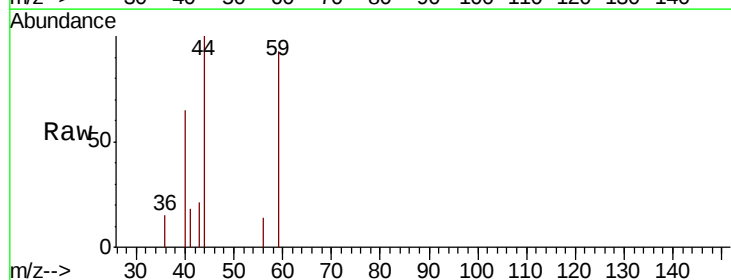
Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC001

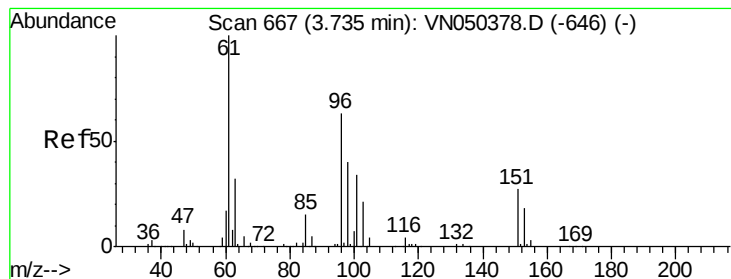
Tot Ion:142 Resp: 2532  
Ion Ratio Lower Upper  
142 100  
127 20.7 33.4 50.2#  
141 0.0 11.6 17.4#



#11  
Tert butyl alcohol  
Concen: 5.173 ug/l  
RT: 4.80 min Scan# 997  
Delta R.T. 0.00 min  
Lab File: VN050375.D  
Acq: 6 Aug 2018 11:10

Tgt Ion: 59 Resp: 3361  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.5 12.7#





#12

1,1-Dichloroethene

Concen: 1.101 ug/l

RT: 3.74 min Scan# 668

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

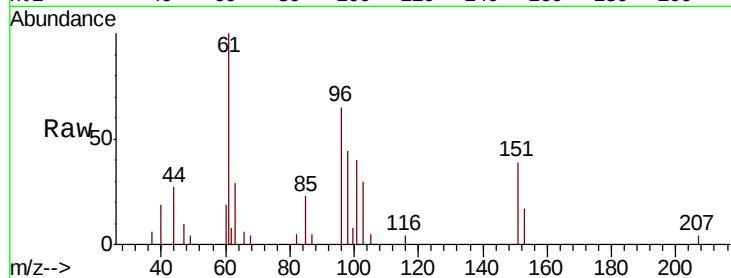
Tot Ion: 96 Resp: 7207

Ion Ratio Lower Upper

96 100

61 153.6 124.4 186.6

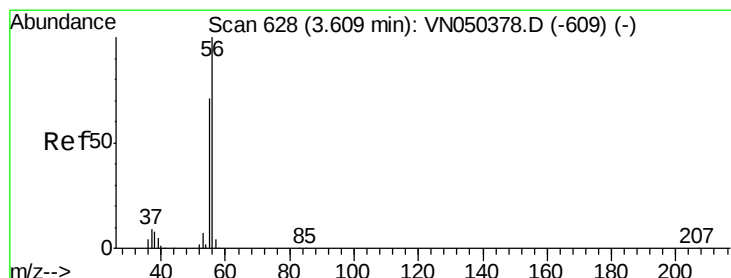
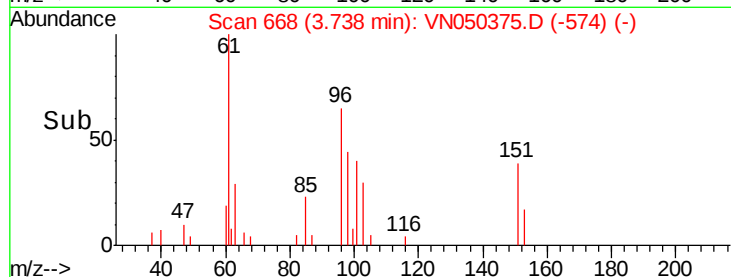
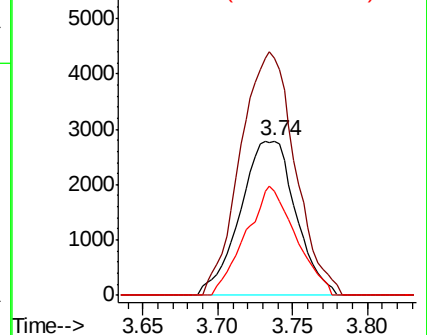
98 67.2 48.3 72.5



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#13

Acrolein

Concen: 19.873 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050375.D

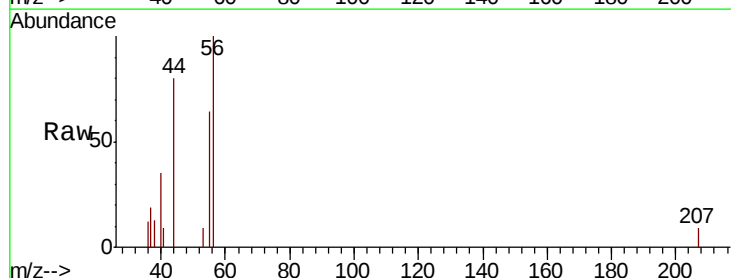
Acq: 6 Aug 2018 11:10

Tgt Ion: 56 Resp: 4357

Ion Ratio Lower Upper

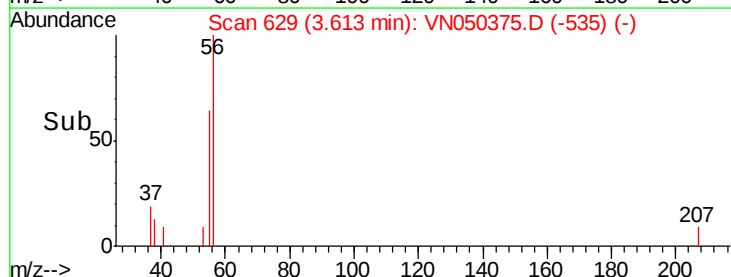
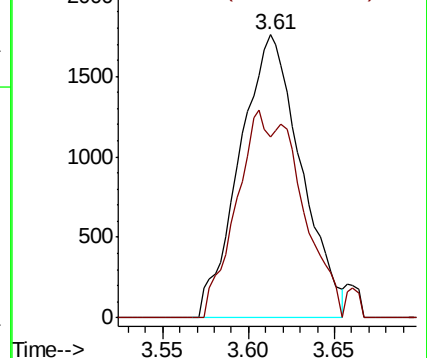
56 100

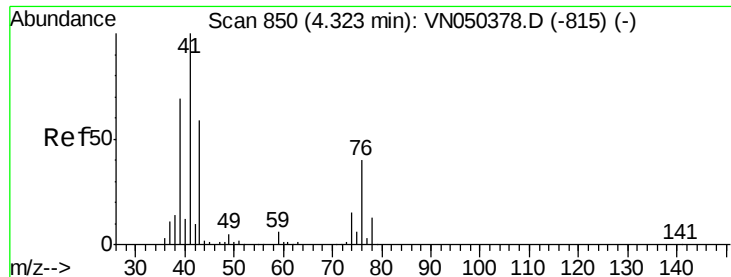
55 40.6 55.8 83.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#14

Allvl chloride

Concen: 1.009 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

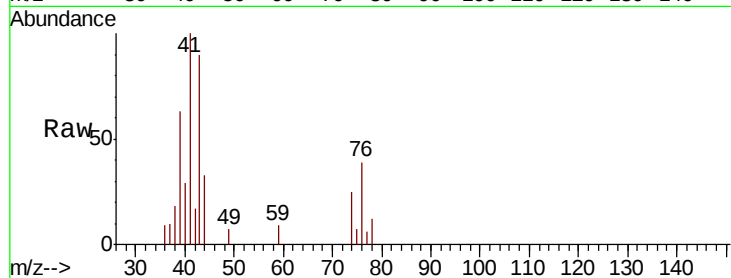
Tot Ion: 41 Resp: 10600

Ion Ratio Lower Upper

41 100

39 65.7 54.2 81.4

76 40.0 29.0 43.6

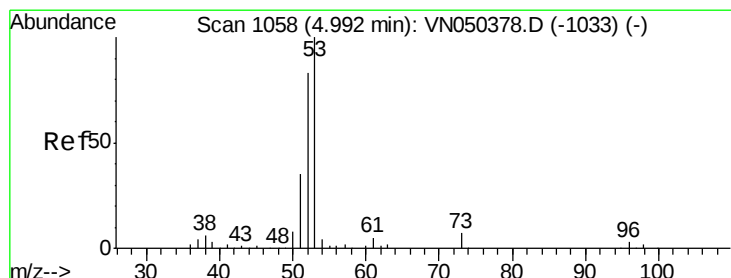
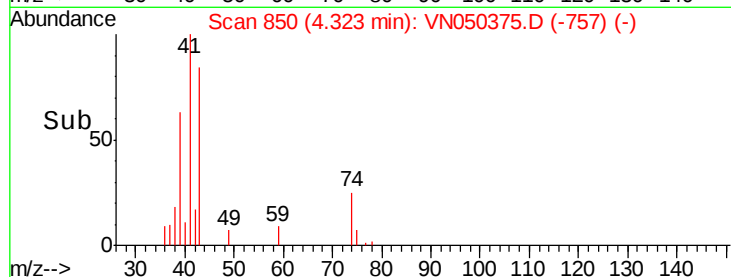
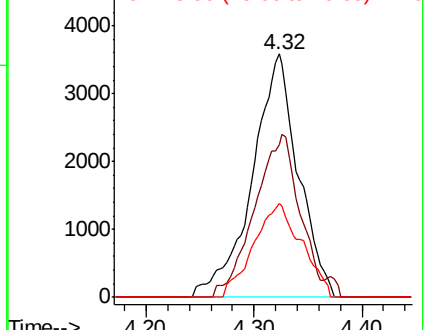


Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



#15

Acrylonitrile

Concen: 4.818 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

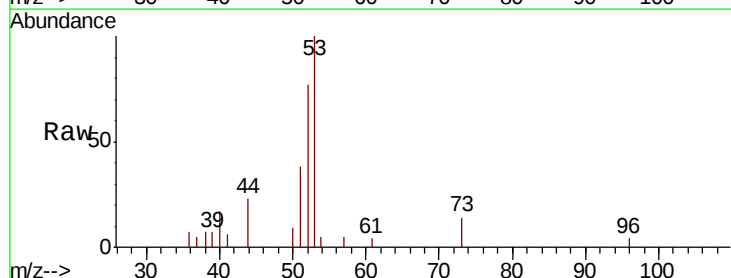
Tgt Ion: 53 Resp: 13113

Ion Ratio Lower Upper

53 100

52 82.5 66.2 99.2

51 34.5 29.3 43.9

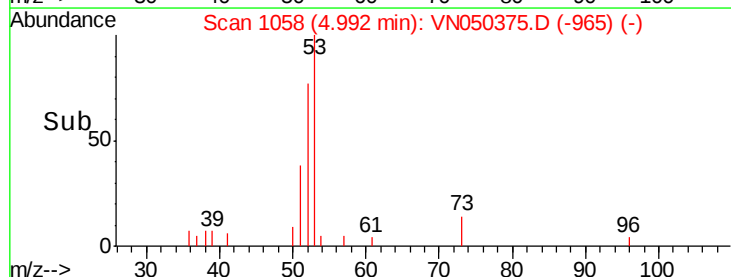
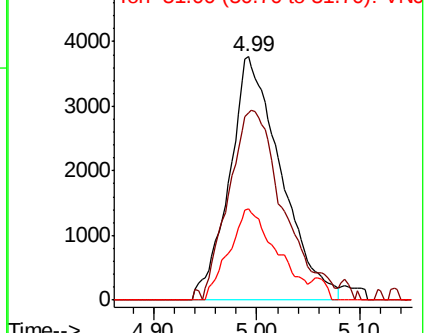


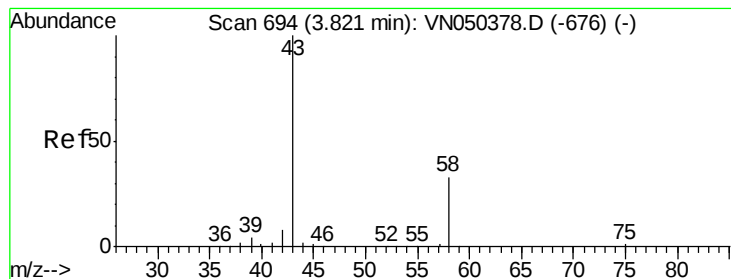
Abundance

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





#16

Acetone

Concen: 6.802 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampleId :

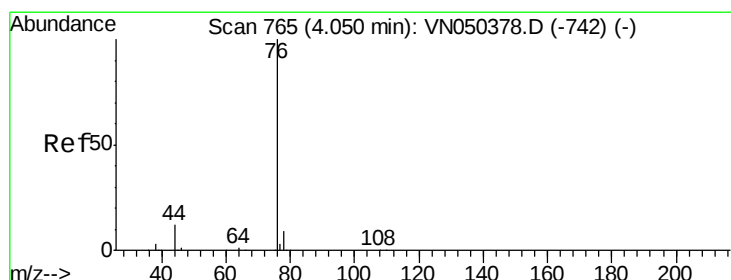
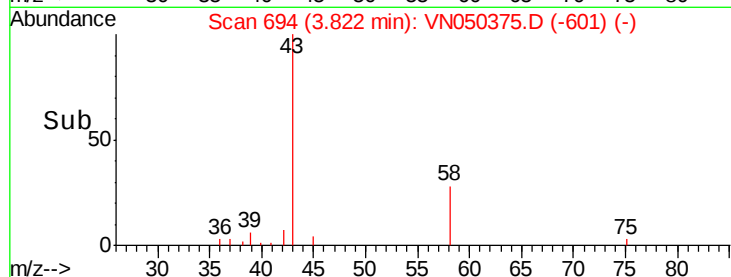
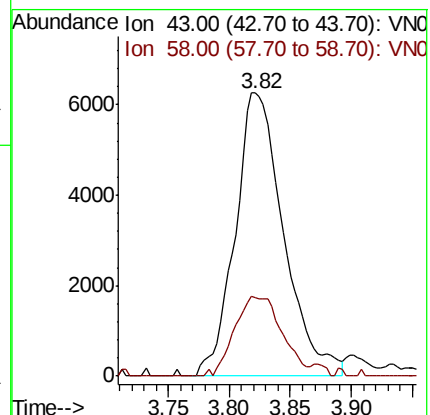
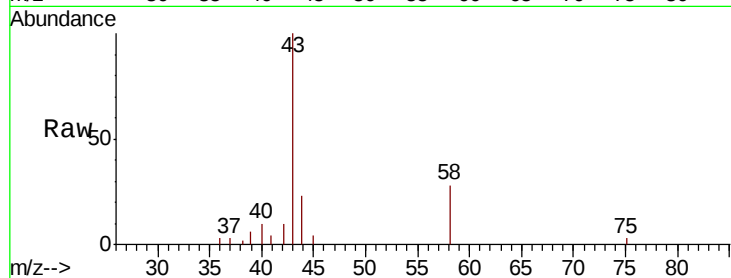
VSTDIC001

Tot Ion: 43 Resp: 17251

Ion Ratio Lower Upper

43 100

58 27.6 25.8 38.8



#17

Carbon Disulfide

Concen: 1.255 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN050375.D

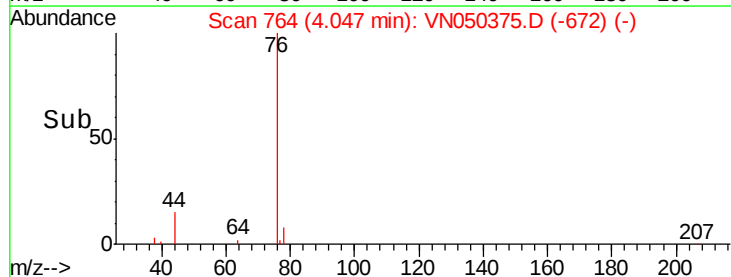
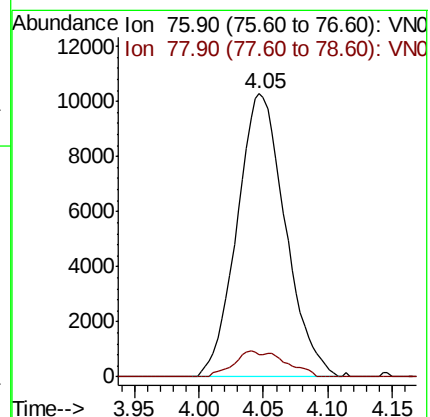
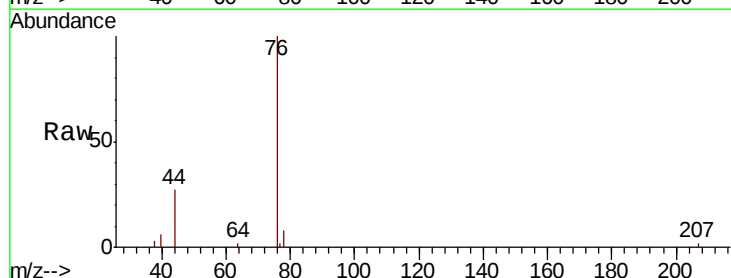
Acq: 6 Aug 2018 11:10

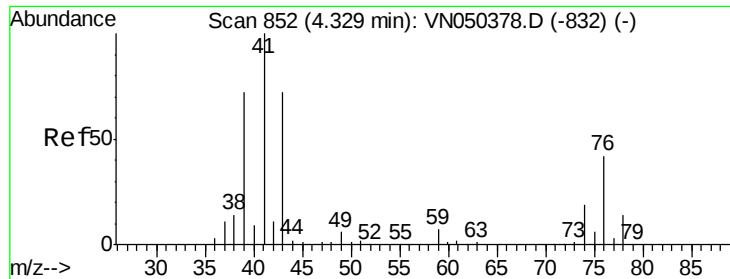
Tgt Ion: 76 Resp: 26703

Ion Ratio Lower Upper

76 100

78 8.0 7.3 10.9

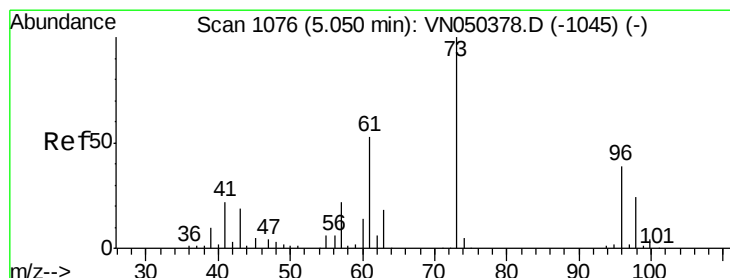
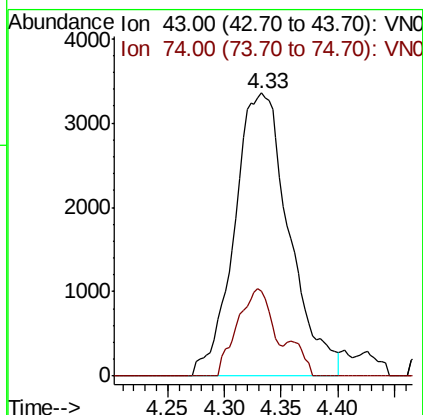
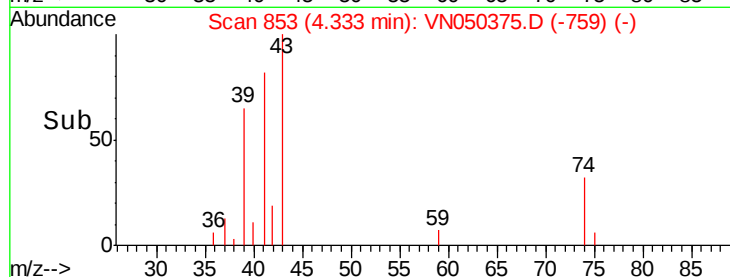
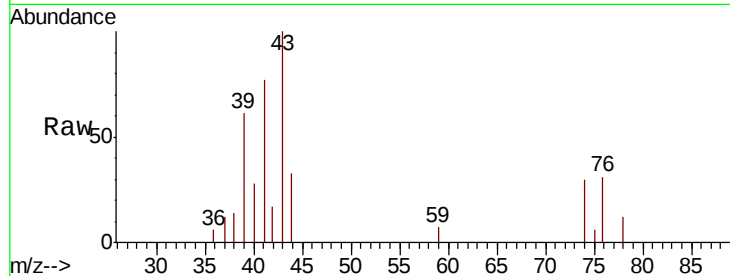




#18  
Methyl Acetate  
Concen: 1.617 ug/l  
RT: 4.33 min Scan# 853  
Delta R.T. 0.00 min  
Lab File: VN050375.D  
Acq: 6 Aug 2018 11:10

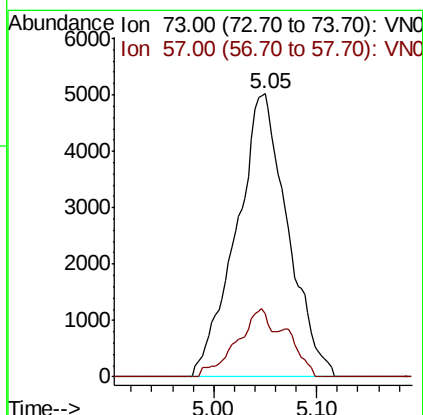
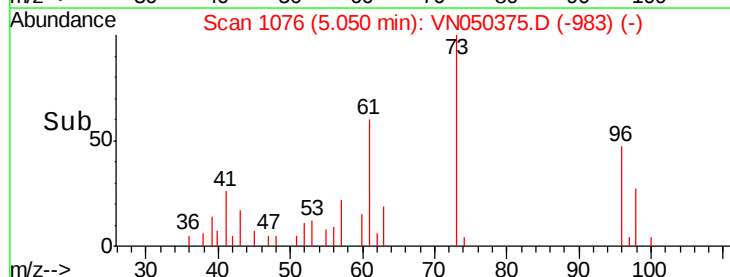
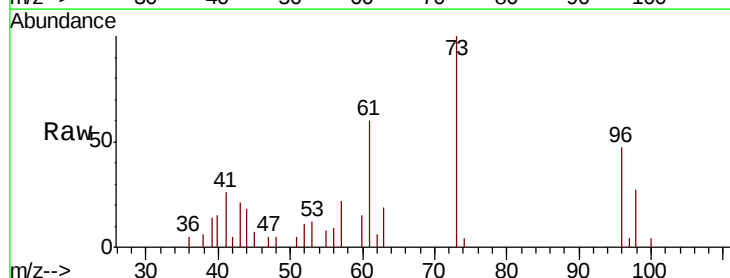
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

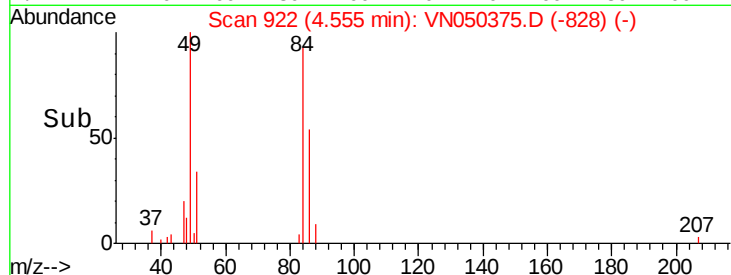
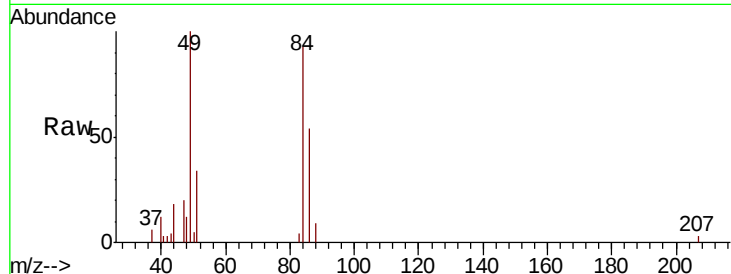
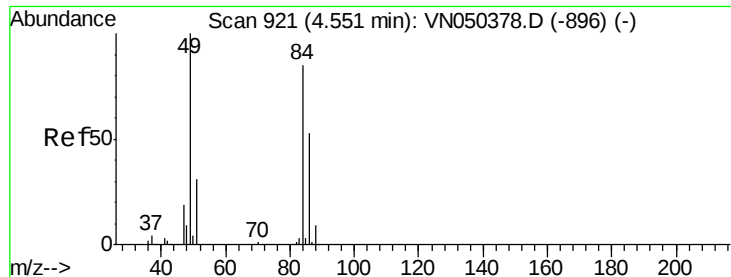
Tot Ion: 43 Resp: 11306  
Ion Ratio Lower Upper  
43 100  
74 19.8 19.2 28.8



#19  
Methyl tert-butyl Ether  
Concen: 0.934 ug/l  
RT: 5.05 min Scan# 1076  
Delta R.T. 0.00 min  
Lab File: VN050375.D  
Acq: 6 Aug 2018 11:10

Tgt Ion: 73 Resp: 17342  
Ion Ratio Lower Upper  
73 100  
57 22.1 18.0 27.0

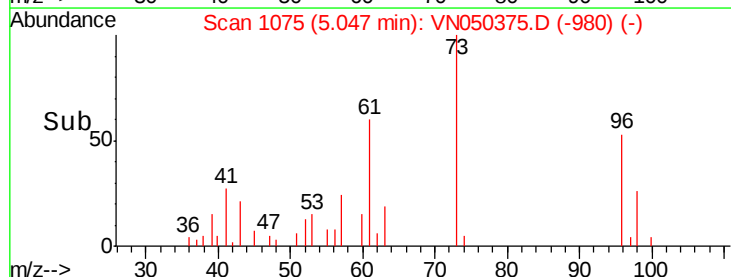
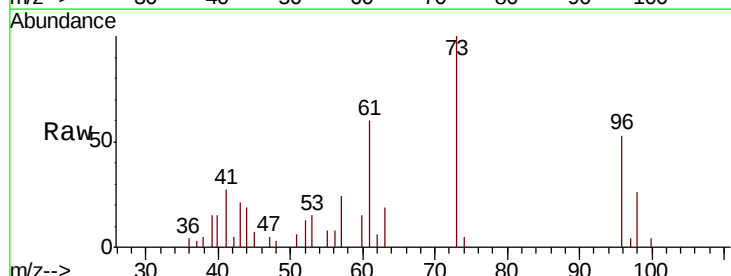
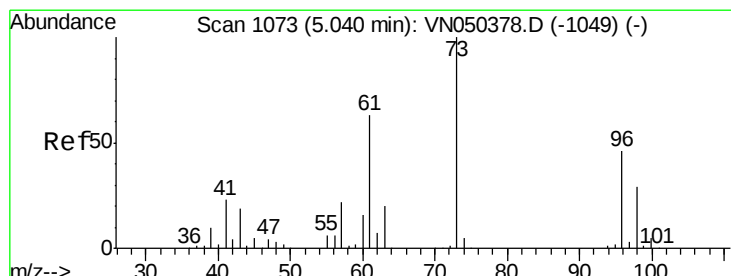
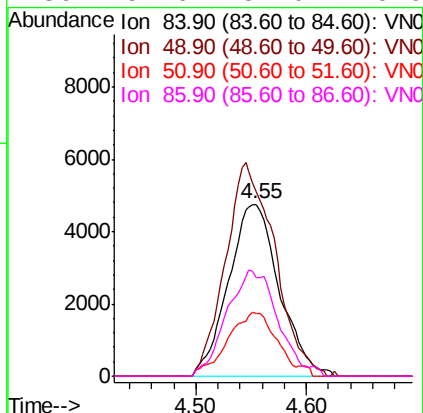




#20  
Methvlene Chloride  
Concen: 0.520 ug/l  
RT: 4.55 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: VN050375.D  
Acq: 6 Aug 2018 11:10

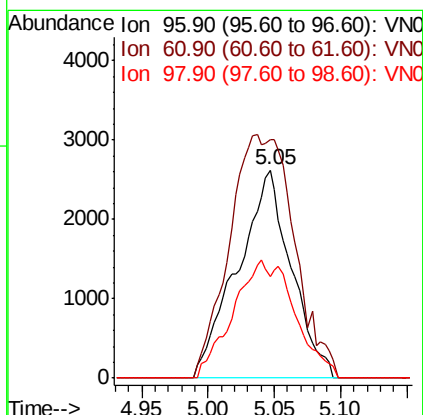
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

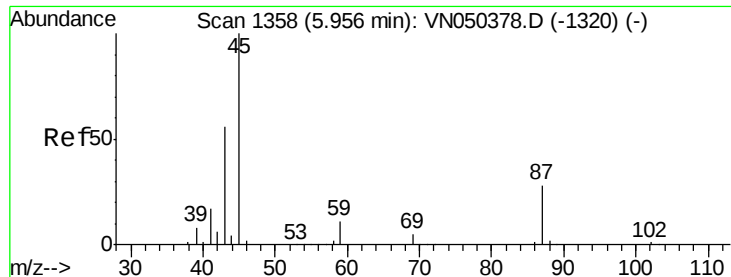
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 15152 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 107.4 | 94.8  | 142.2 |
| 51       | 36.7  | 28.3  | 42.5  |
| 86       | 57.6  | 51.0  | 76.6  |



#21  
trans-1,2-Dichloroethene  
Concen: 1.044 ug/l  
RT: 5.05 min Scan# 1075  
Delta R.T. 0.01 min  
Lab File: VN050375.D  
Acq: 6 Aug 2018 11:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 7391  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 115.0 | 110.7 | 166.1 |
| 98       | 49.1  | 51.6  | 77.4# |





#22

Diisopropyl ether

Concen: 0.888 ug/l

RT: 5.95 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC001

Tot Ion: 45 Resp: 19071

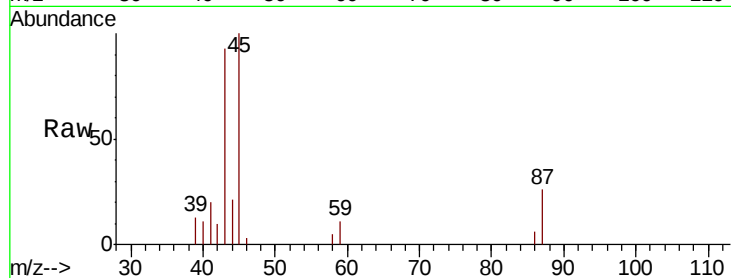
Ion Ratio Lower Upper

45 100

43 86.4 45.7 68.5#

87 25.8 22.7 34.1

59 10.8 9.5 14.3

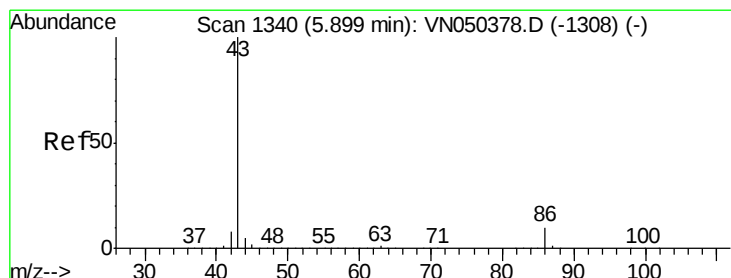
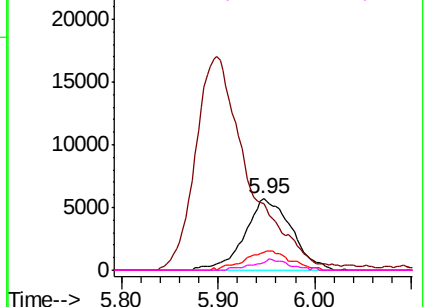
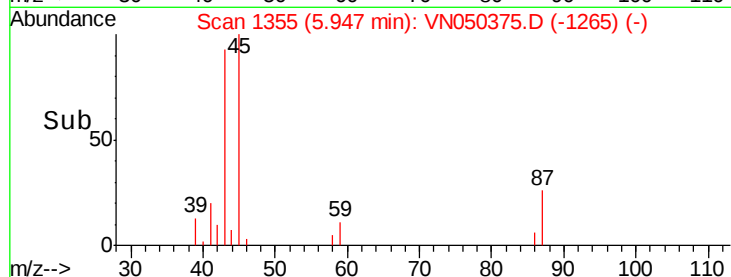


Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0



#23

Vinyl Acetate

Concen: 4.232 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050375.D

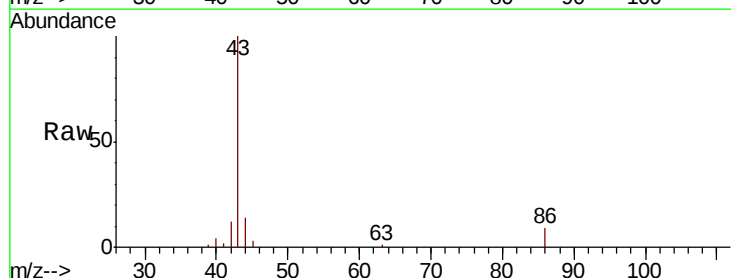
Acq: 6 Aug 2018 11:10

Tgt Ion: 43 Resp: 64824

Ion Ratio Lower Upper

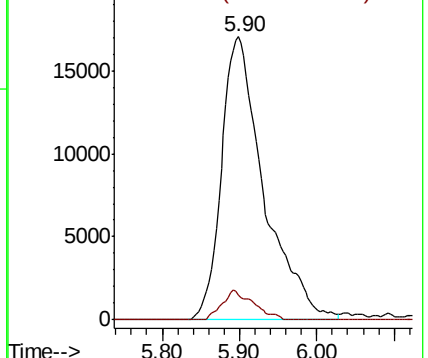
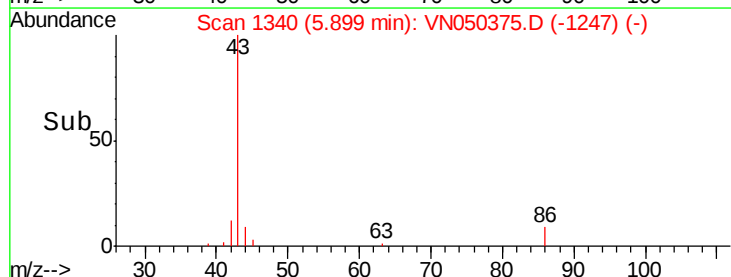
43 100

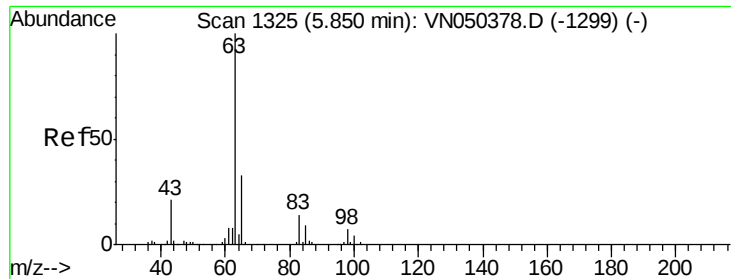
86 8.7 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#24

1,1-Dichloroethane

Concen: 1.020 ug/l

RT: 5.84 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

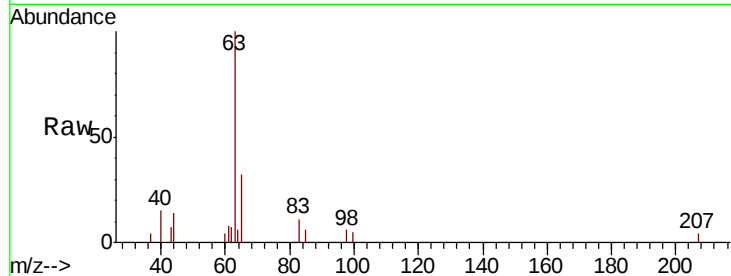
Tot Ion: 63 Resp: 13433

Ion Ratio Lower Upper

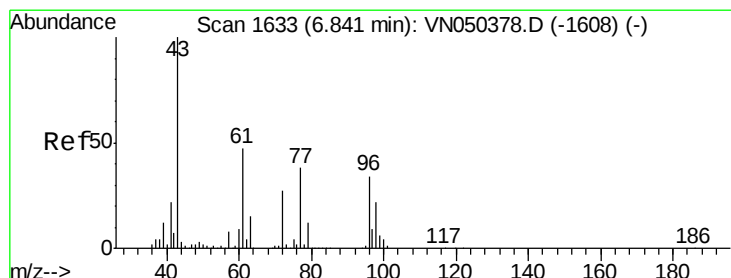
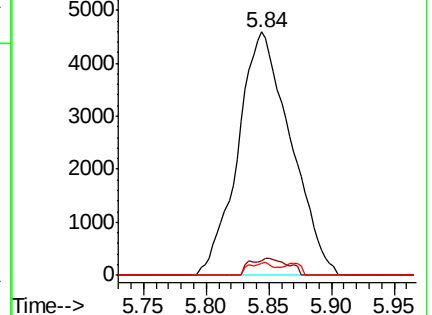
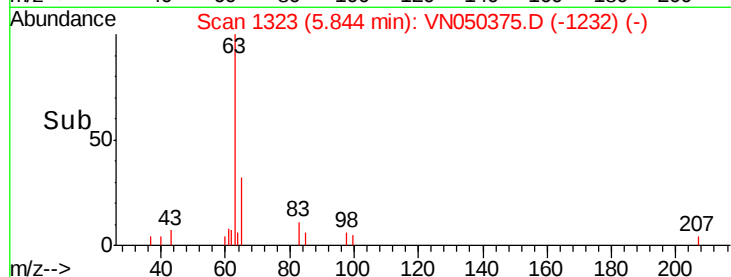
63 100

98 6.1 3.3 9.8

100 4.9 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0  
Ion 97.90 (97.60 to 98.60): VN0  
Ion 99.90 (99.60 to 100.60): VN0



#25

2-Butanone

Concen: 4.707 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050375.D

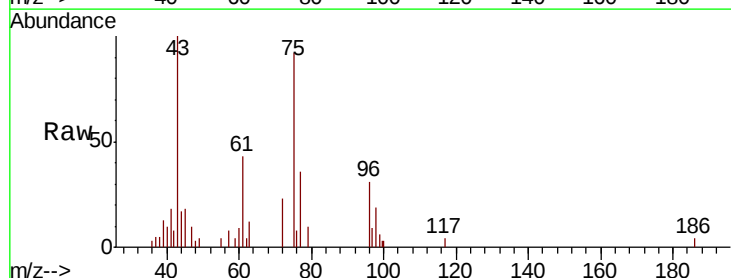
Acq: 6 Aug 2018 11:10

Tgt Ion: 43 Resp: 18864

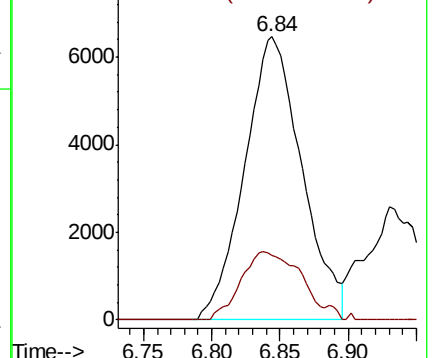
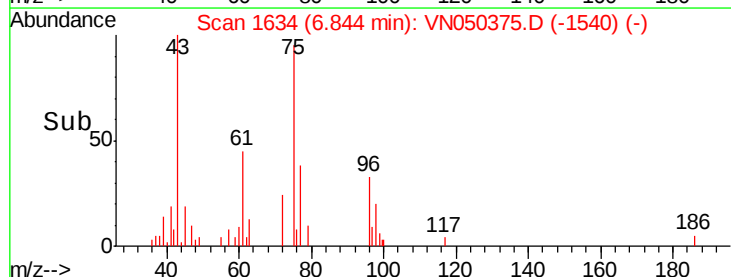
Ion Ratio Lower Upper

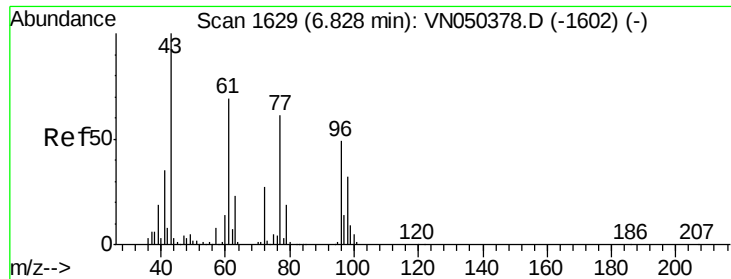
43 100

72 22.8 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 72.00 (71.70 to 72.70): VN0





#26

2,2-Dichloropropane

Concen: 1.110 ug/l

RT: 6.82 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampleId :

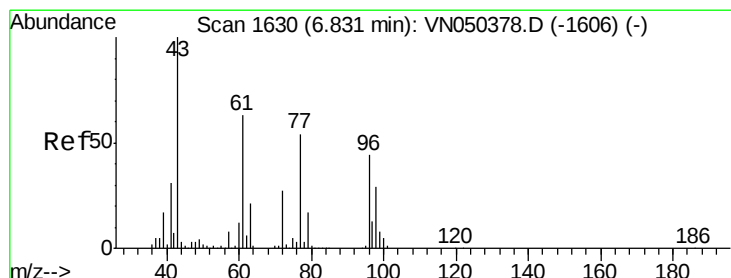
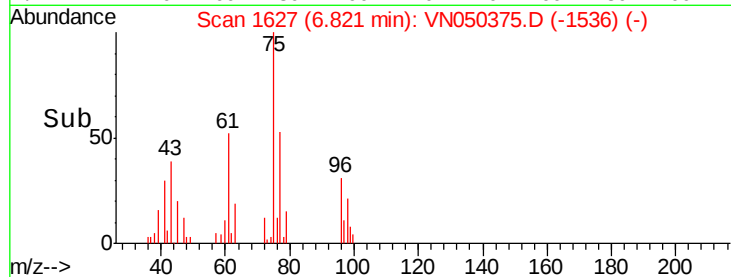
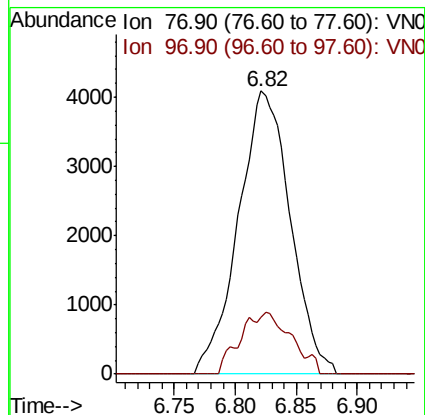
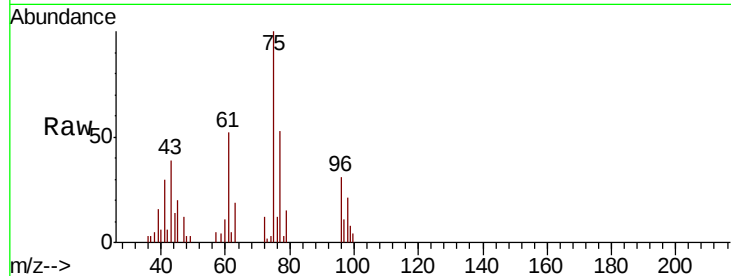
VSTDIC001

Tot Ion: 77 Resp: 12051

Ion Ratio Lower Upper

77 100

97 8.4 11.8 35.3#



#27

cis-1,2-Dichloroethene

Concen: 1.001 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.01 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

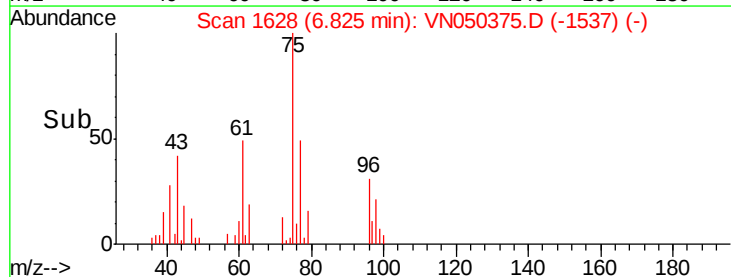
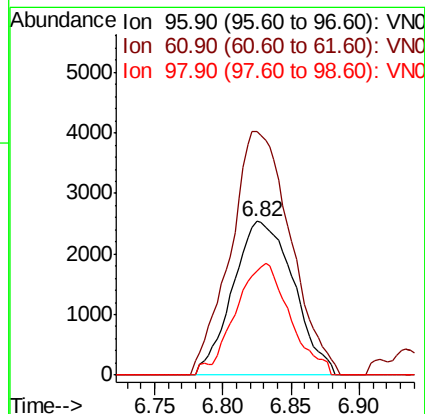
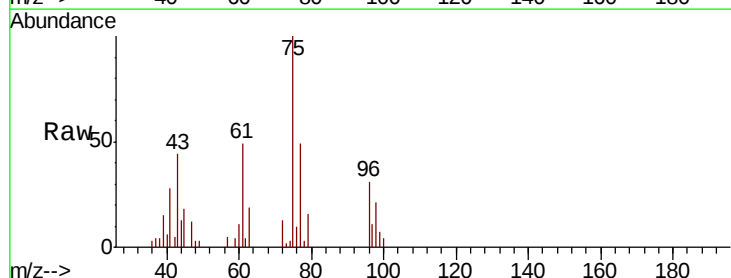
Tgt Ion: 96 Resp: 7857

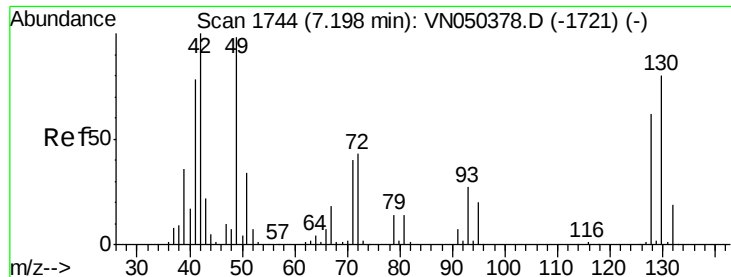
Ion Ratio Lower Upper

96 100

61 157.2 0.0 285.0

98 65.1 0.0 129.2





#28

Bromochloromethane

Concen: 1.074 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

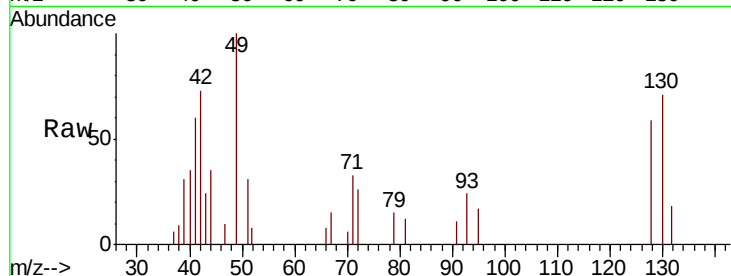
Tot Ion: 49 Resp: 6513

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

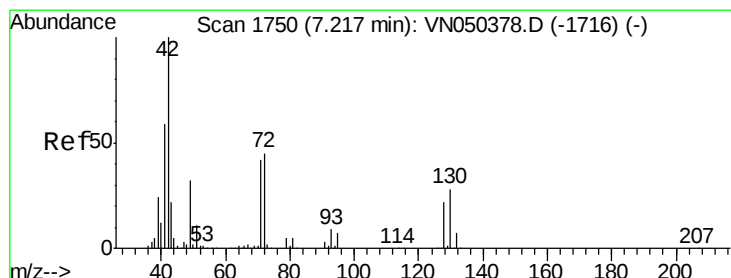
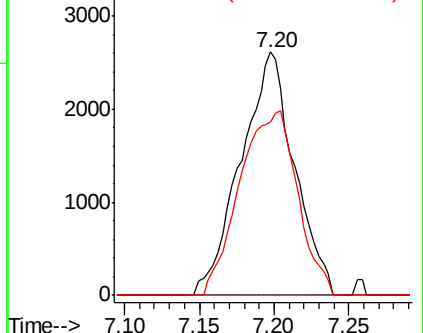
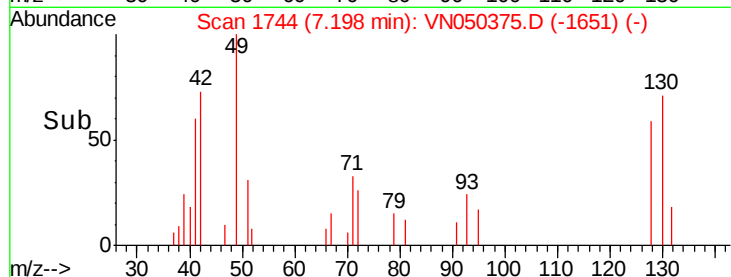
130 81.7 66.3 99.5



Abundance Ion 48.90 (48.60 to 49.60): VN050375.D (-1651) (-)

Ion 128.80 (128.50 to 129.50): VN050375.D (-1651) (-)

Ion 129.80 (129.50 to 130.50): VN050375.D (-1651) (-)



#29

Tetrahydrofuran

Concen: 4.963 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

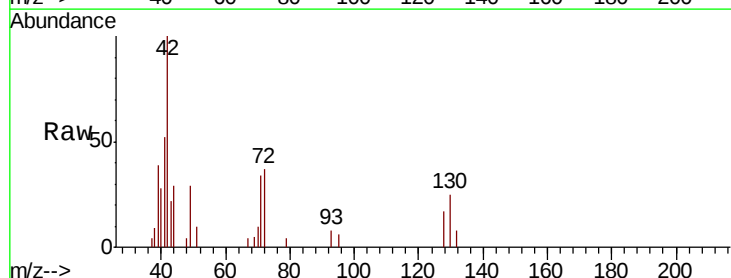
Tgt Ion: 42 Resp: 10648

Ion Ratio Lower Upper

42 100

72 22.2 35.9 53.9#

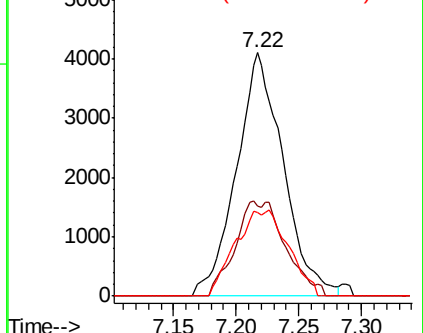
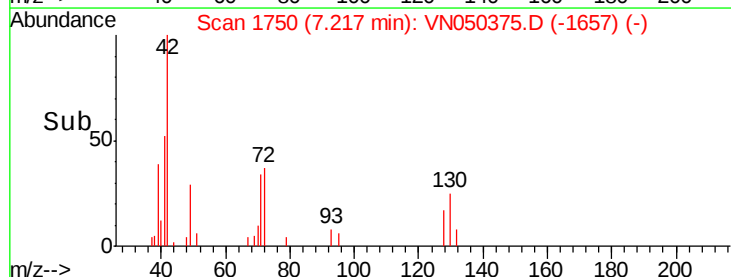
71 20.7 33.7 50.5#

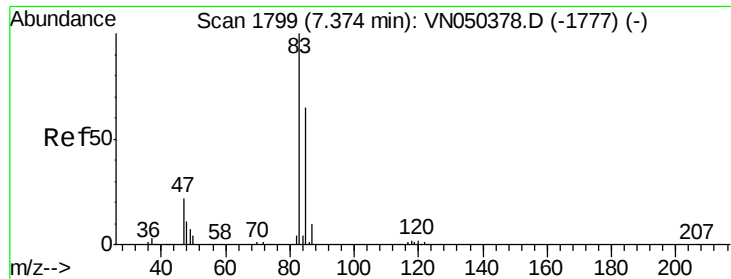


Abundance Ion 42.00 (41.70 to 42.70): VN050375.D (-1657) (-)

Ion 72.00 (71.70 to 72.70): VN050375.D (-1657) (-)

Ion 71.00 (70.70 to 71.70): VN050375.D (-1657) (-)

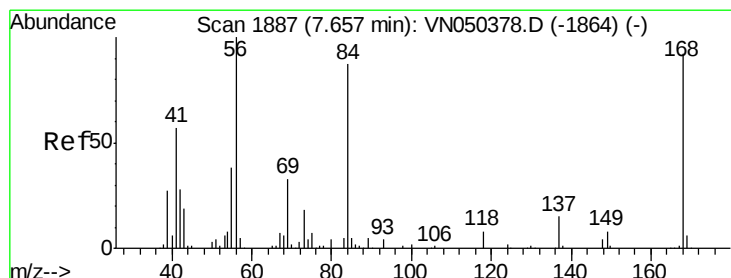
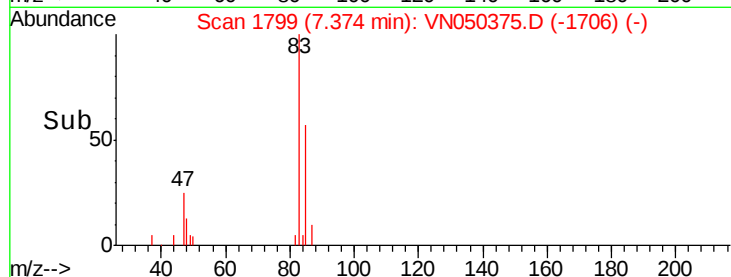
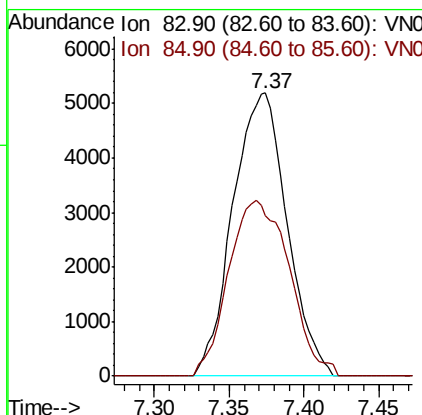
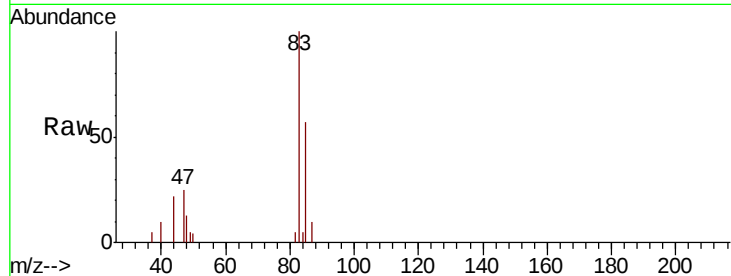




#30  
Chloroform  
Concen: 0.994 ug/l  
RT: 7.37 min Scan# 1799  
Delta R.T. 0.00 min  
Lab File: VN050375.D  
Acq: 6 Aug 2018 11:10

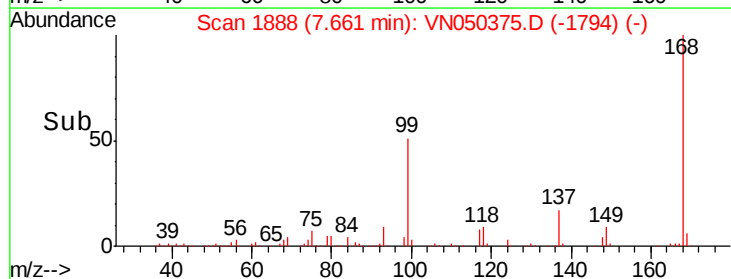
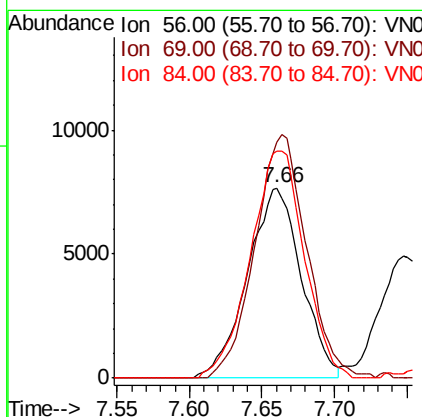
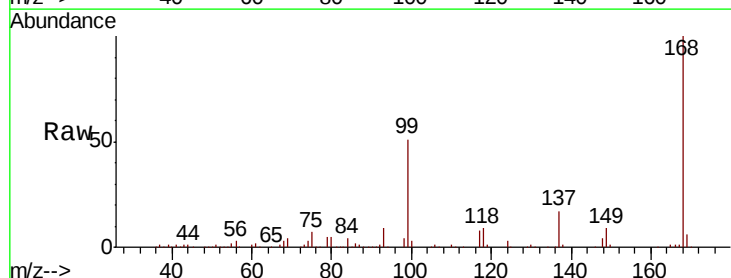
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

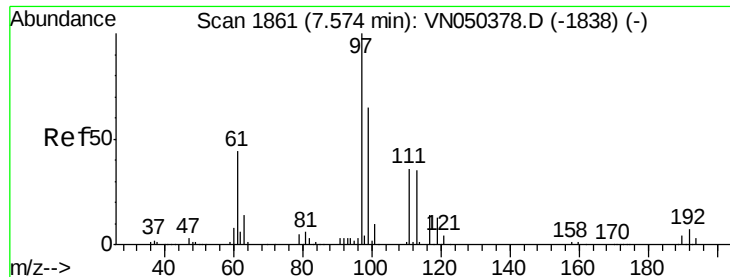
Tot Ion: 83 Resp: 13097  
Ion Ratio Lower Upper  
83 100  
85 56.9 52.5 78.7



#31  
Cyclohexane  
Concen: 1.093 ug/l  
RT: 7.66 min Scan# 1888  
Delta R.T. 0.00 min  
Lab File: VN050375.D  
Acq: 6 Aug 2018 11:10

Tgt Ion: 56 Resp: 19807  
Ion Ratio Lower Upper  
56 100  
69 124.2 26.2 39.4#  
84 119.5 67.4 101.0#

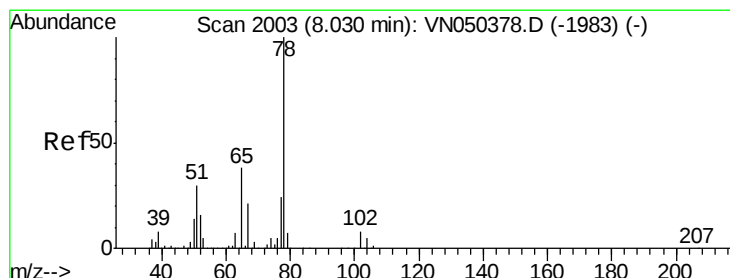
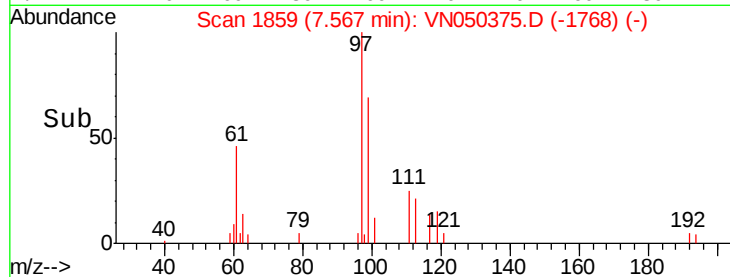
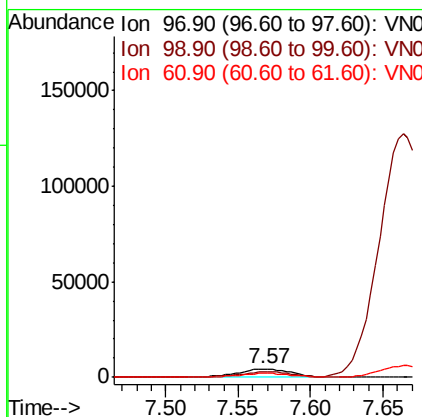
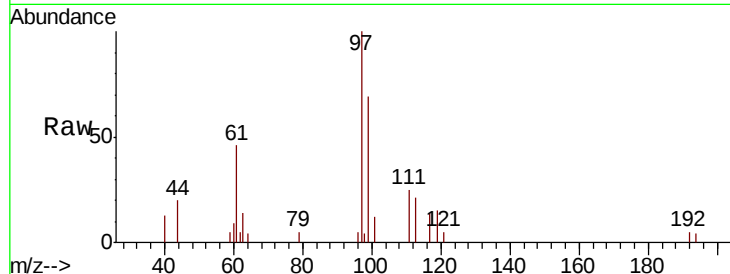




#32  
 1,1,1-Trichloroethane  
 Concen: 0.987 ug/l  
 RT: 7.57 min Scan# 1859  
 Delta R.T. -0.01 min  
 Lab File: VN050375.D  
 Acq: 6 Aug 2018 11:10

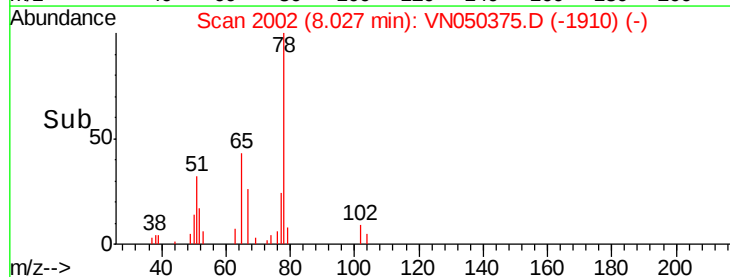
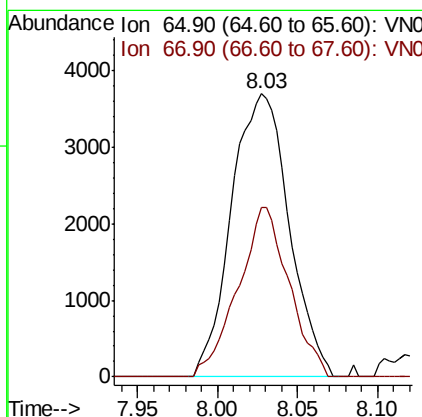
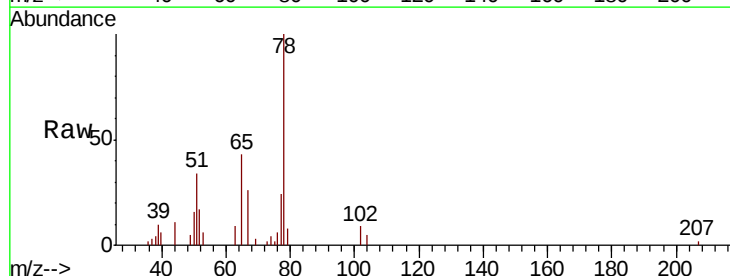
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDIC001

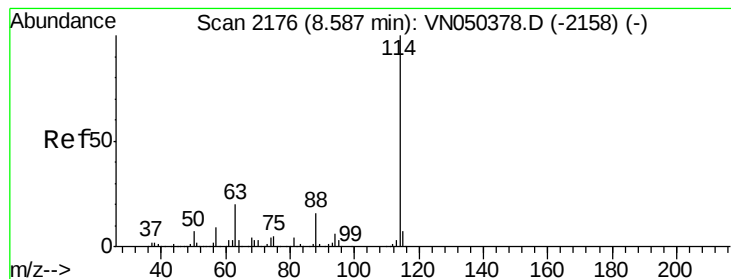
Tot Ion: 97 Resp: 11168  
 Ion Ratio Lower Upper  
 97 100  
 99 0.0 51.4 77.0#  
 61 46.0 35.4 53.0



#33  
 1,2-Dichloroethane-d4  
 Concen: 1.129 ug/l  
 RT: 8.03 min Scan# 2002  
 Delta R.T. -0.00 min  
 Lab File: VN050375.D  
 Acq: 6 Aug 2018 11:10

Tgt Ion: 65 Resp: 9134  
 Ion Ratio Lower Upper  
 65 100  
 67 53.2 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

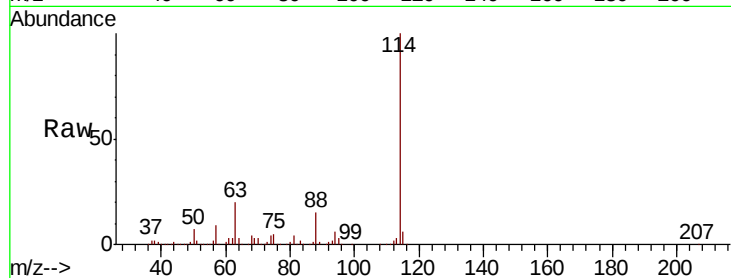
Tot Ion:114 Resp: 936066

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

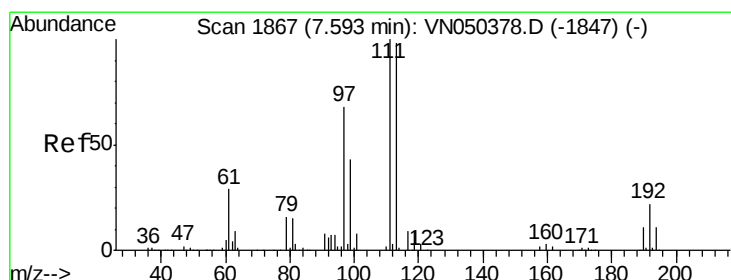
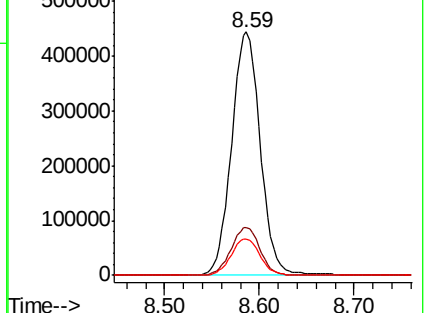
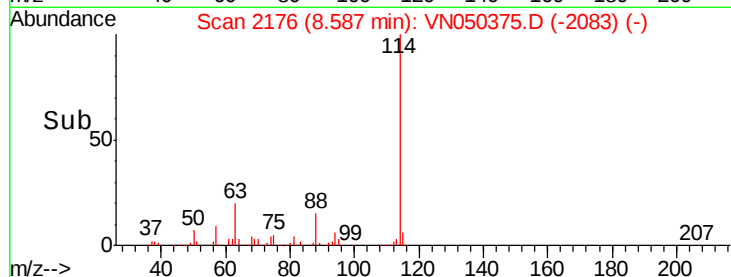
88 15.0 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 0.993 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

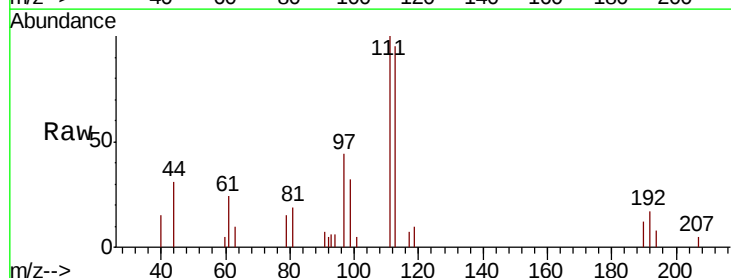
Tgt Ion:113 Resp: 7461

Ion Ratio Lower Upper

113 100

111 101.4 80.7 121.1

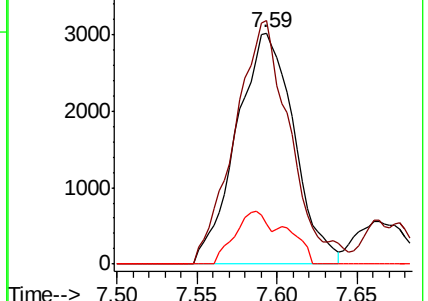
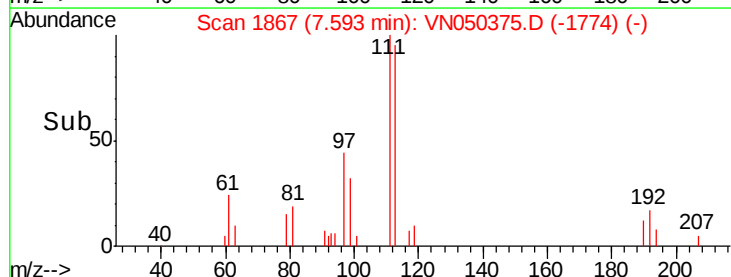
192 14.4 17.8 26.6#

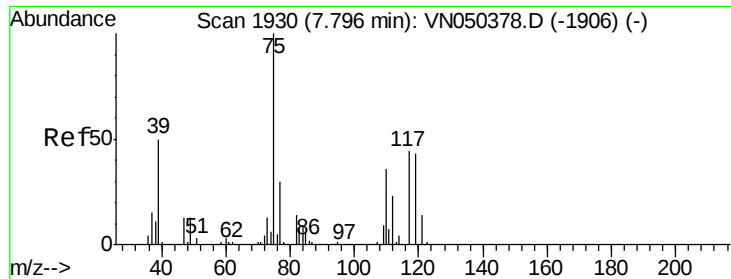


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

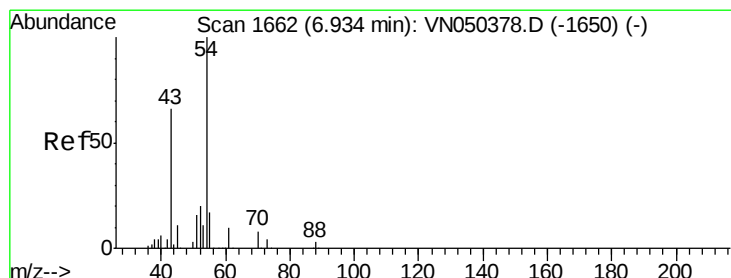
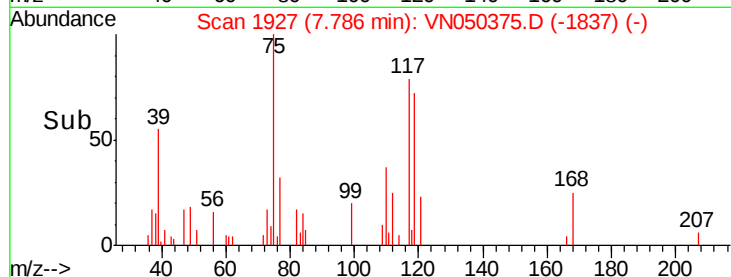
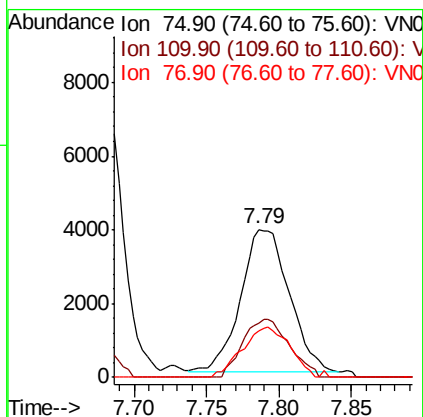
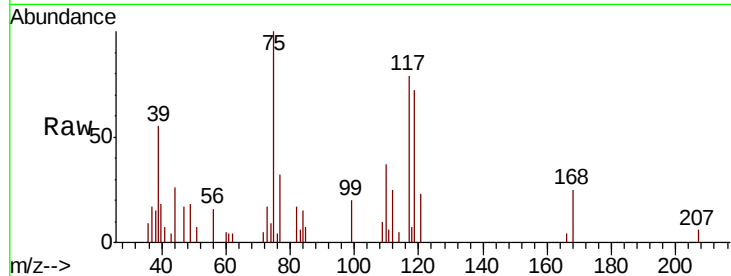




#36  
 1,1-Dichloropropene  
 Concen: 0.871 ug/l  
 RT: 7.79 min Scan# 1927  
 Delta R.T. -0.01 min  
 Lab File: VN050375.D  
 Acq: 6 Aug 2018 11:10

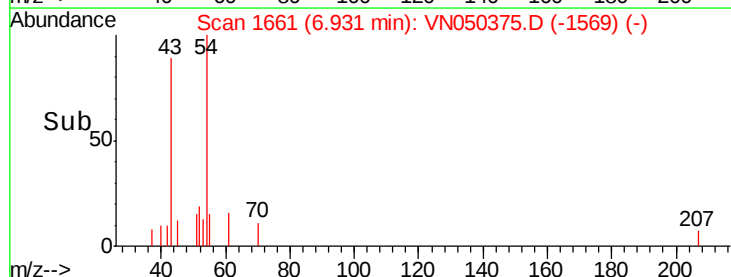
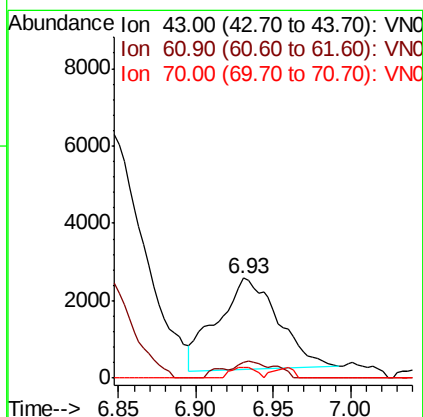
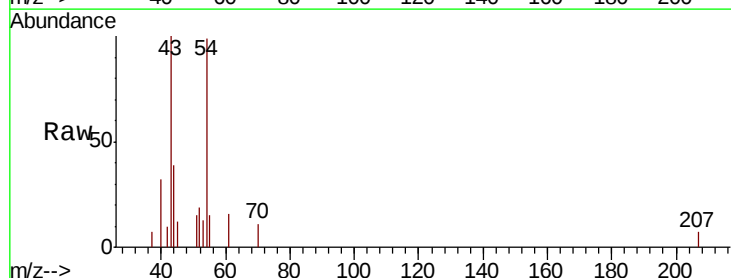
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

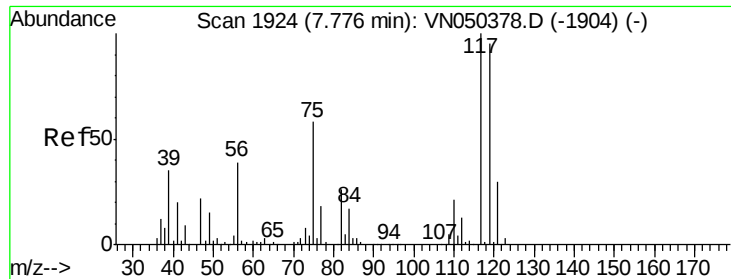
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 39.1  | 18.4  | 55.2  |
| 77      | 34.7  | 25.3  | 37.9  |



#37  
 Ethyl Acetate  
 Concen: 0.871 ug/l  
 RT: 6.93 min Scan# 1661  
 Delta R.T. -0.00 min  
 Lab File: VN050375.D  
 Acq: 6 Aug 2018 11:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 11.3  | 11.8  | 17.8# |
| 70      | 4.6   | 8.4   | 12.6# |





#38

Carbon Tetrachloride

Concen: 1.063 ug/l

RT: 7.77 min Scan# 1921

Delta R.T. -0.01 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC001

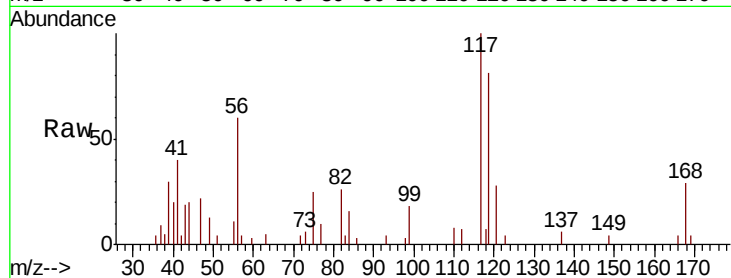
Tot Ion:117 Resp: 11409

Ion Ratio Lower Upper

117 100

119 80.5 77.4 116.0

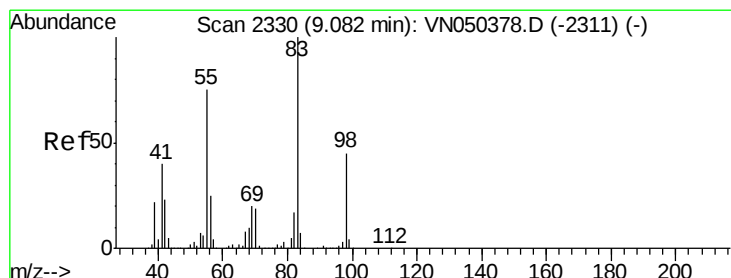
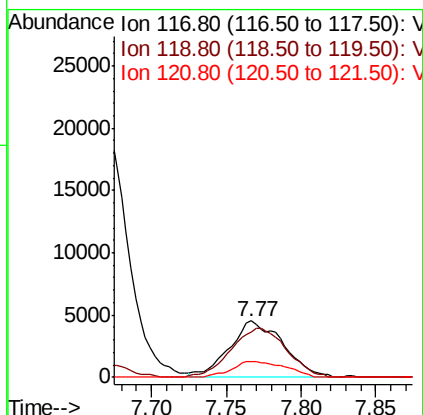
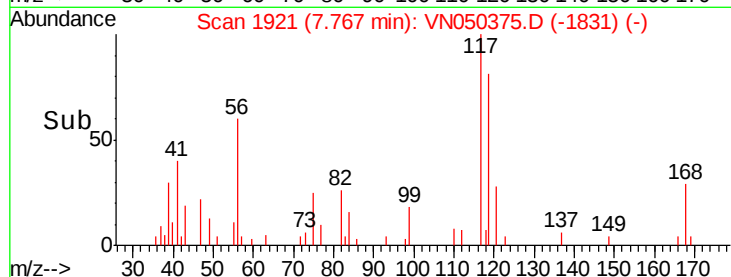
121 28.2 23.9 35.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.888 ug/l

RT: 9.08 min Scan# 2329

Delta R.T. -0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

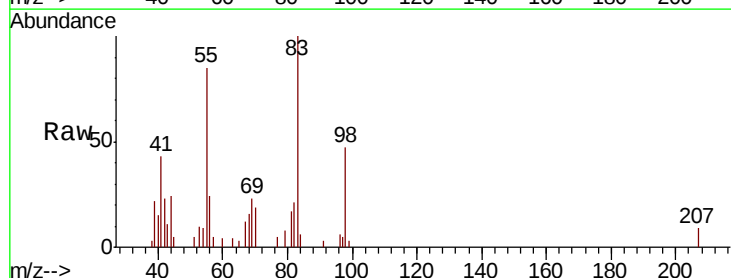
Tgt Ion: 83 Resp: 9969

Ion Ratio Lower Upper

83 100

55 85.3 61.8 92.8

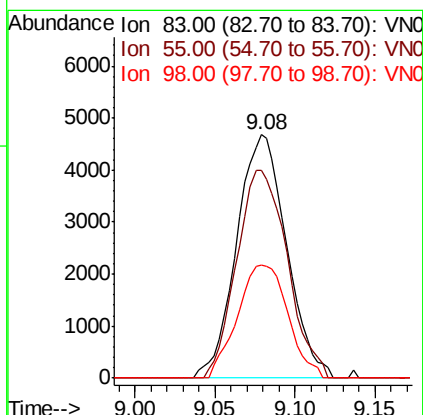
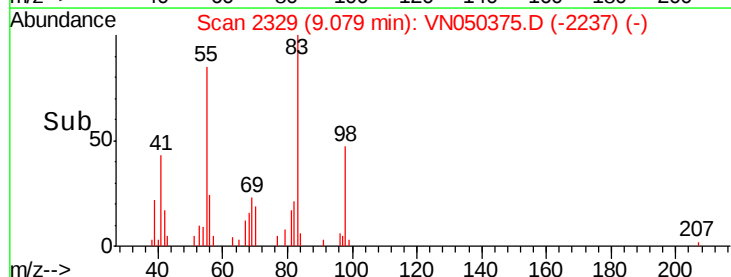
98 46.6 36.5 54.7

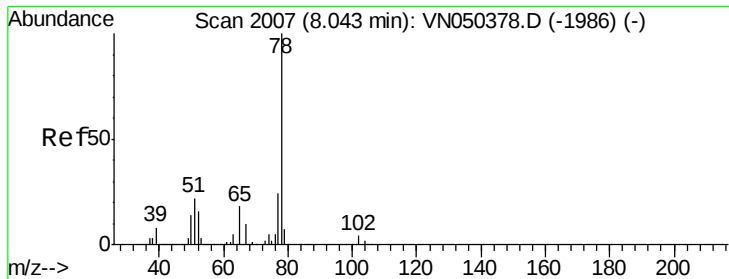


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 0.954 ug/l

RT: 8.04 min Scan# 2006

Delta R.T. -0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampled :

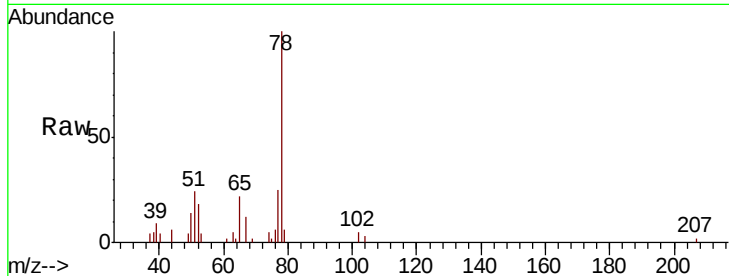
VSTDIC001

Tot Ion: 78 Resp: 30154

Ion Ratio Lower Upper

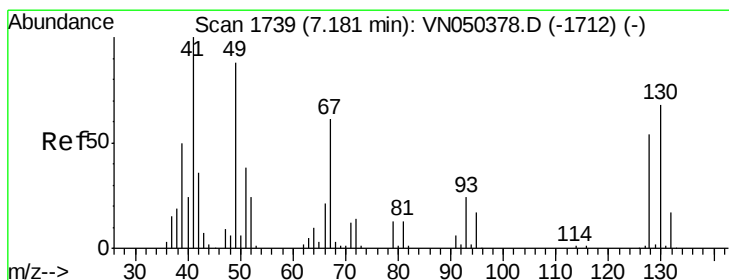
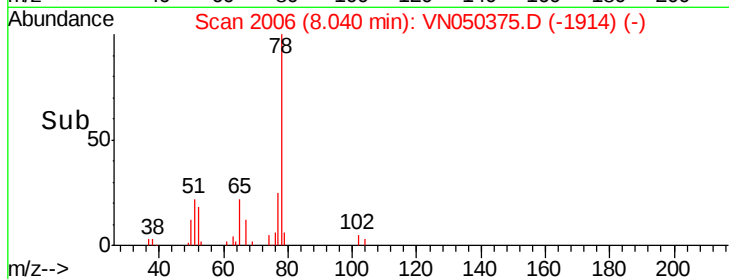
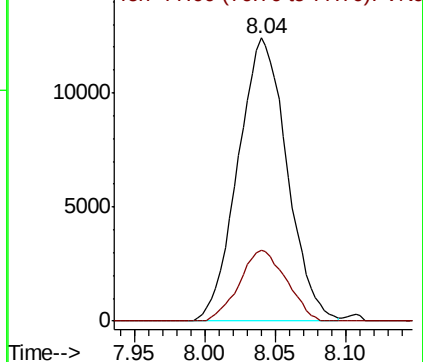
78 100

77 25.2 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#41

Methacrylonitrile

Concen: 0.724 ug/l

RT: 7.17 min Scan# 1736

Delta R.T. -0.01 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Tgt Ion: 41 Resp: 2851

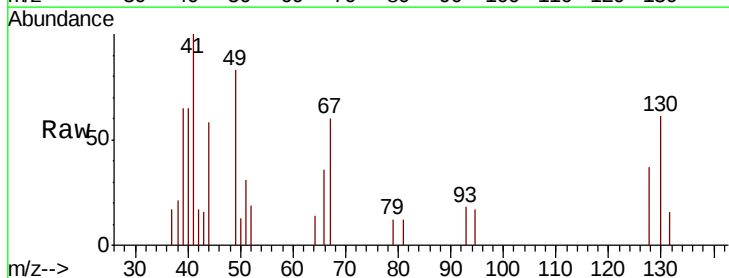
Ion Ratio Lower Upper

41 100

39 47.2 55.8 83.6#

67 40.5 84.3 126.5#

52 18.9 34.2 51.2#

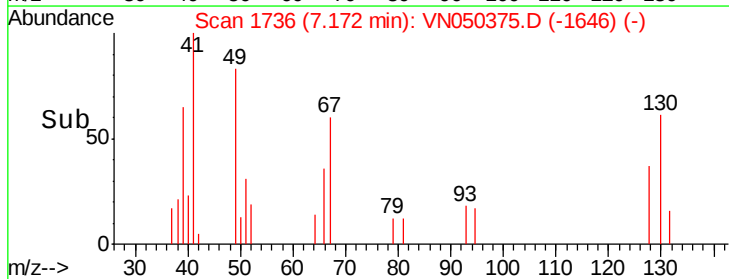
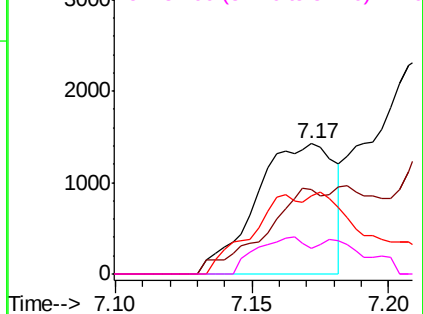


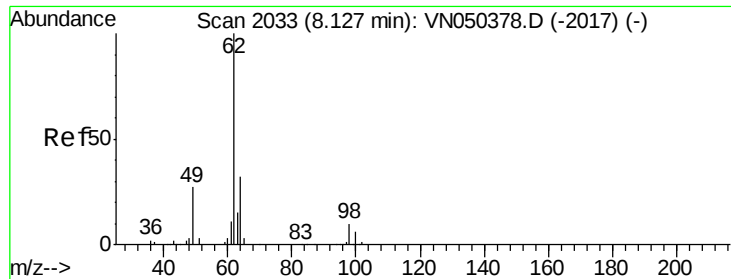
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#42

1,2-Dichloroethane

Concen: 0.987 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampleId :

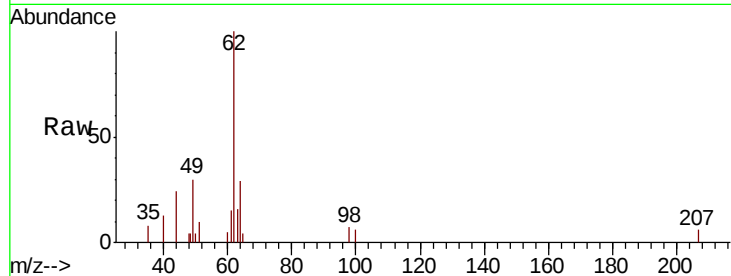
VSTDIC001

Tot Ion: 62 Resp: 9910

Ion Ratio Lower Upper

62 100

98 7.3 0.0 18.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

8.13

5000

4000

3000

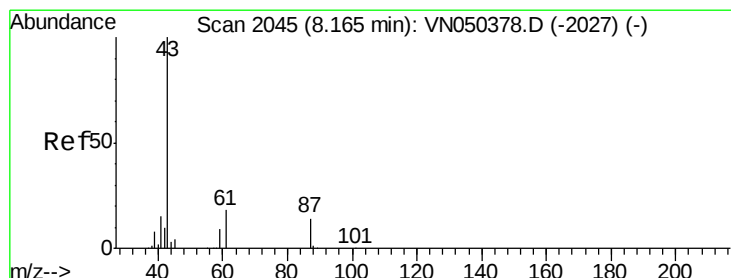
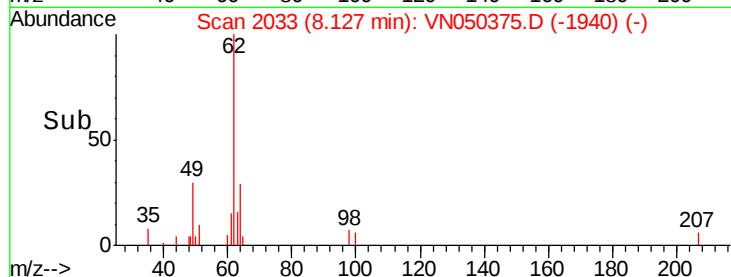
2000

1000

0

Time-->

8.05 8.10 8.15 8.20



#43

Isopropyl Acetate

Concen: 0.854 ug/l

RT: 8.16 min Scan# 2043

Delta R.T. -0.01 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

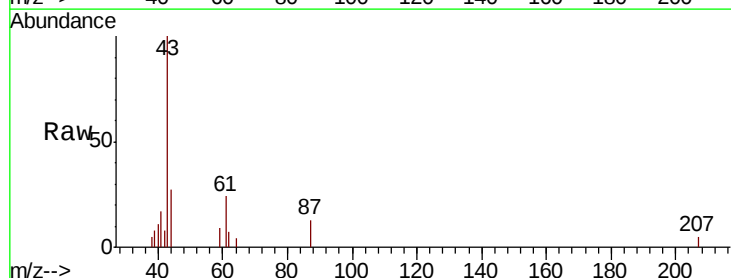
Tgt Ion: 43 Resp: 10920

Ion Ratio Lower Upper

43 100

61 5.2 15.8 23.6#

87 15.3 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

8.16

6000

5000

4000

3000

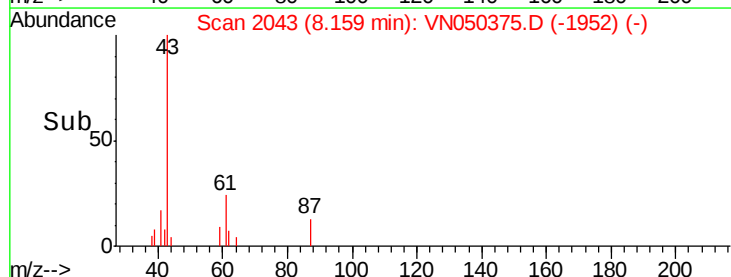
2000

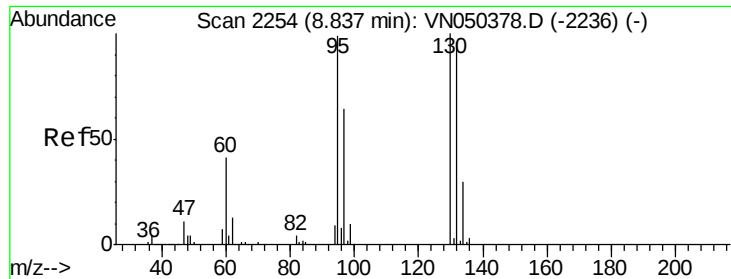
1000

0

Time-->

8.10 8.15 8.20





#44

Trichloroethene

Concen: 1.043 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampleId :

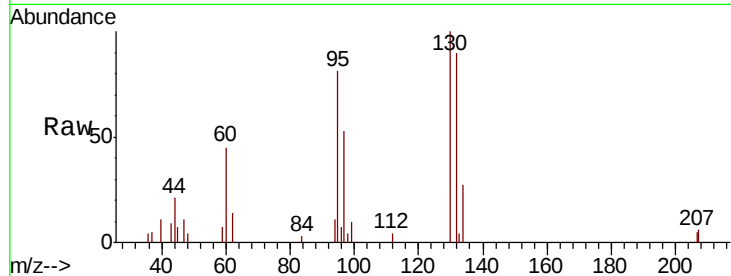
VSTDIC001

Tot Ion:130 Resp: 8864

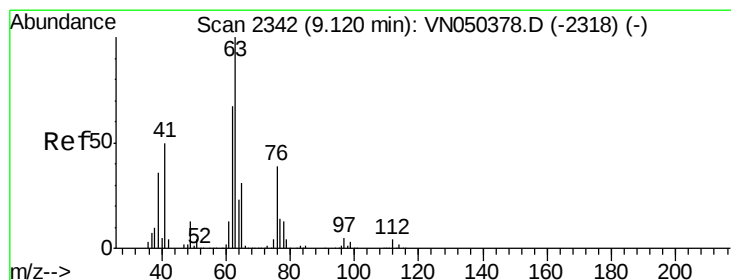
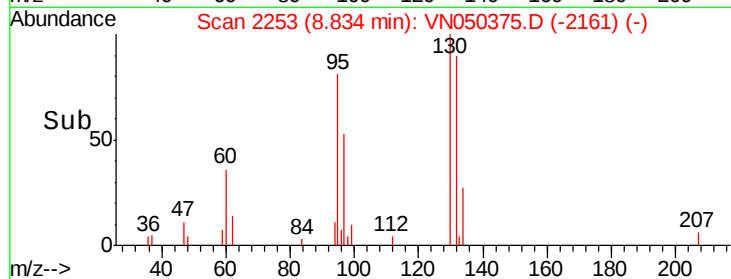
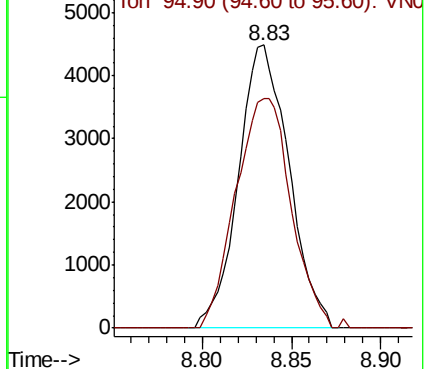
Ion Ratio Lower Upper

130 100

95 81.3 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050378.D (-2236) (-)



#45

1,2-Dichloropropane

Concen: 0.963 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050375.D

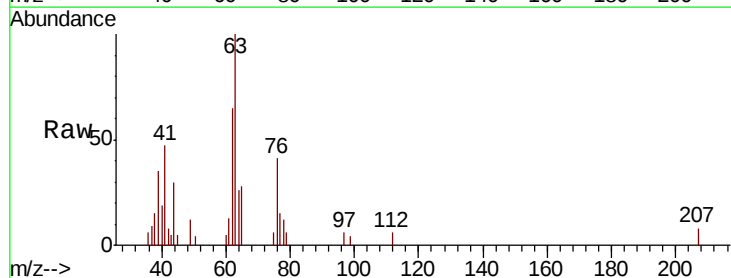
Acq: 6 Aug 2018 11:10

Tgt Ion: 63 Resp: 8006

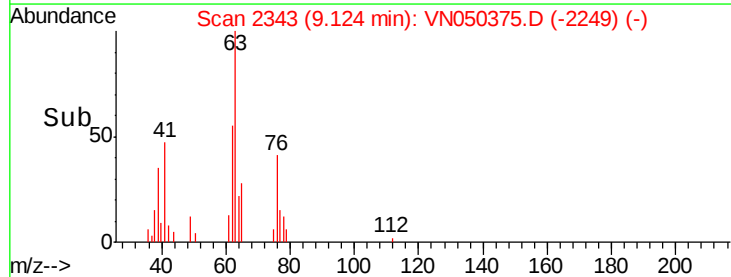
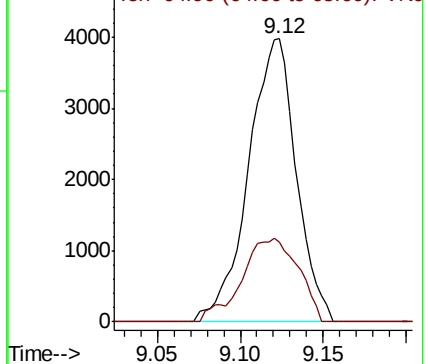
Ion Ratio Lower Upper

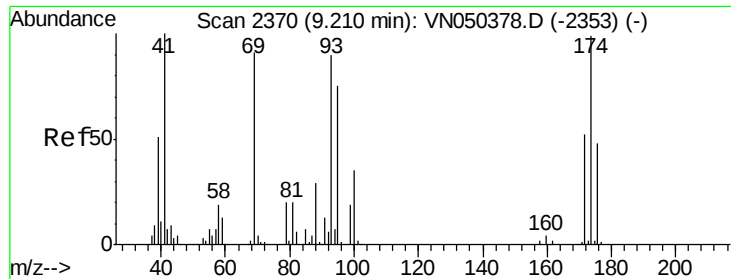
63 100

65 28.4 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VN050378.D (-2318) (-)

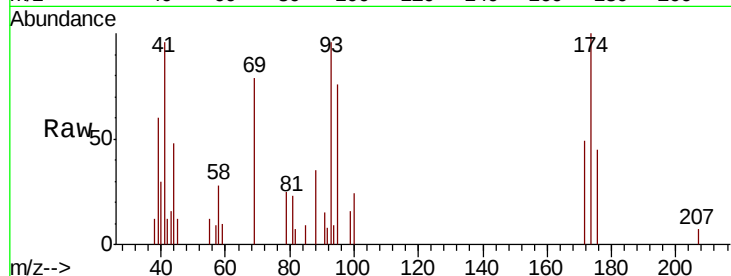




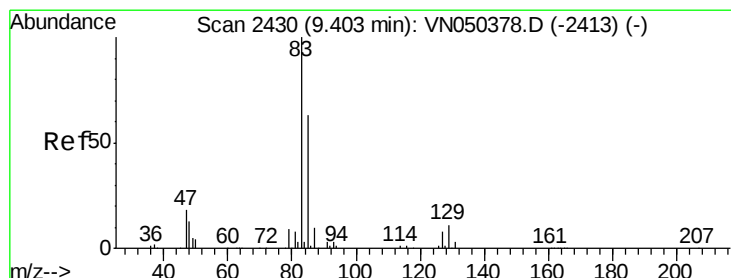
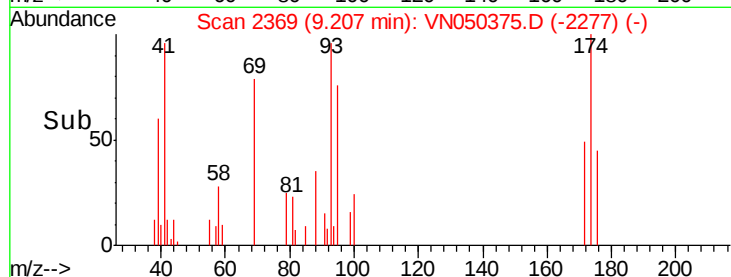
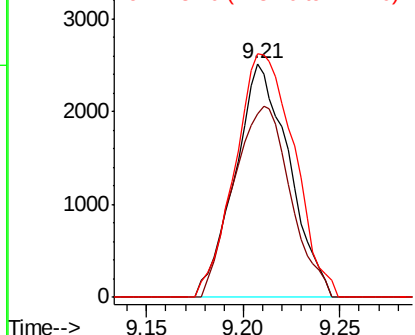
#46  
Dibromomethane  
Concen: 0.948 ug/l  
RT: 9.21 min Scan# 2369  
Delta R.T. -0.00 min  
Lab File: VN050375.D  
Acq: 6 Aug 2018 11:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tot Ion: 93 Resp: 4866  
Ion Ratio Lower Upper  
93 100  
95 86.7 66.6 100.0  
174 114.3 87.1 130.7

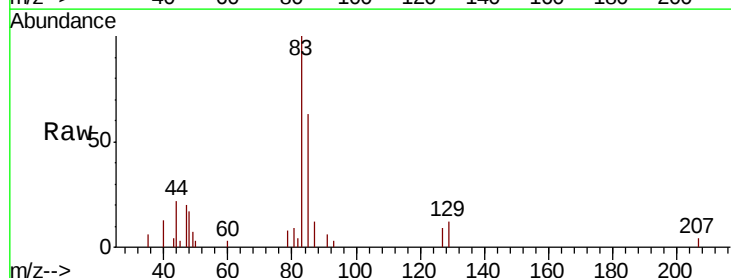


Abundance Ion 92.80 (92.50 to 93.50): VN0  
Ion 94.80 (94.50 to 95.50): VN0  
Ion 173.70 (173.40 to 174.40): V

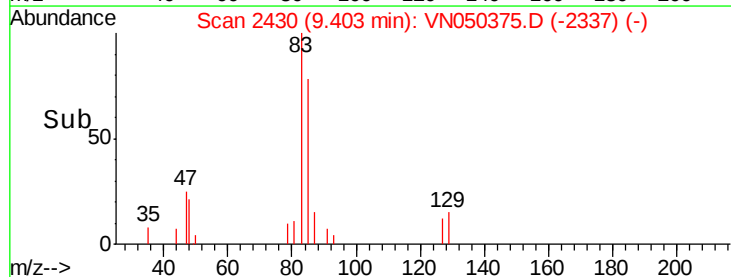
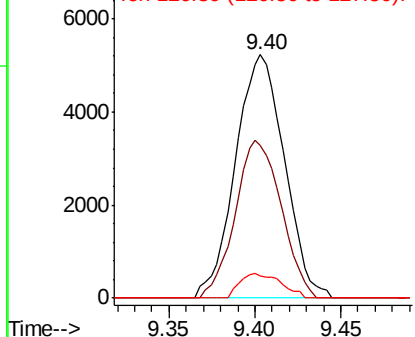


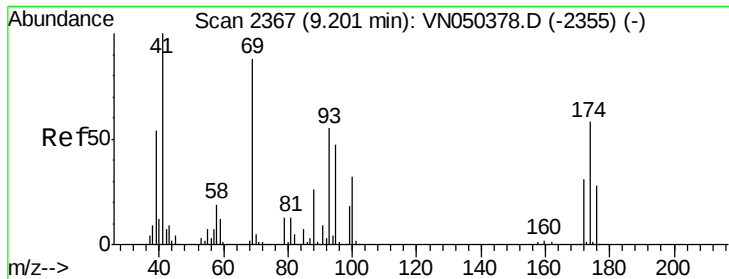
#47  
Bromodichloromethane  
Concen: 0.974 ug/l  
RT: 9.40 min Scan# 2430  
Delta R.T. 0.00 min  
Lab File: VN050375.D  
Acq: 6 Aug 2018 11:10

Tgt Ion: 83 Resp: 10357  
Ion Ratio Lower Upper  
83 100  
85 62.6 51.1 76.7  
127 9.2 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN0  
Ion 84.90 (84.60 to 85.60): VN0  
Ion 126.80 (126.50 to 127.50): V

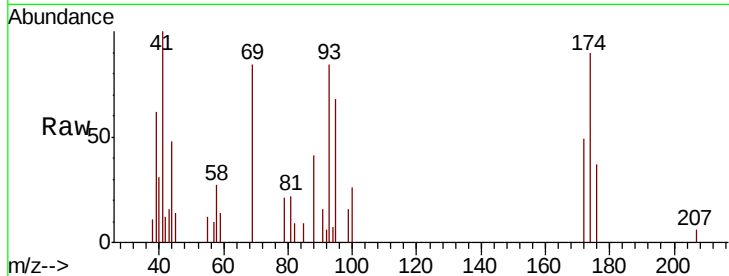




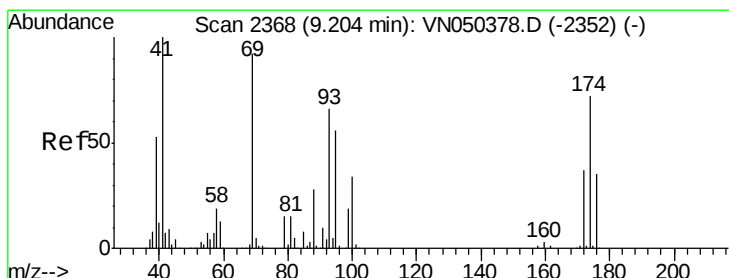
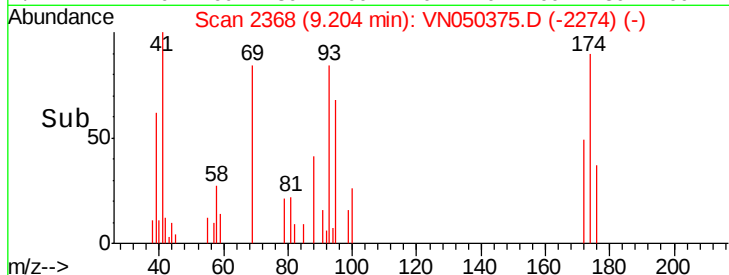
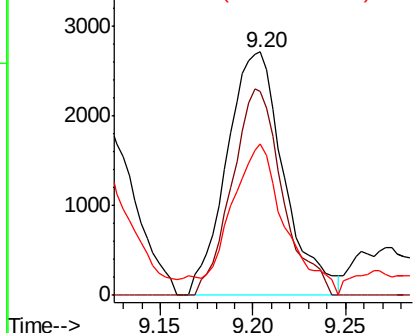
#48  
Methyl methacrylate  
Concen: 0.907 ug/l  
RT: 9.20 min Scan# 2367  
Delta R.T. 0.00 min  
Lab File: VN050375.D  
Acq: 6 Aug 2018 11:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tot Ion: 41 Resp: 5813  
Ion Ratio Lower Upper  
41 100  
69 75.0 70.6 105.8  
39 57.9 43.9 65.9

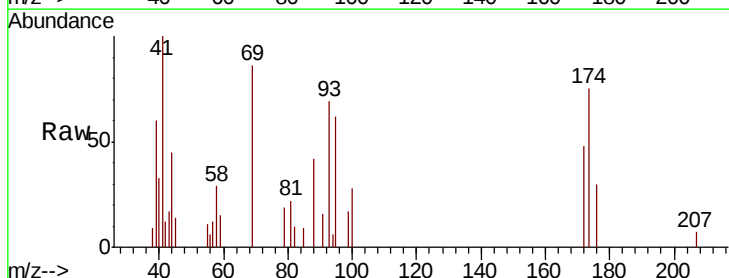


Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0

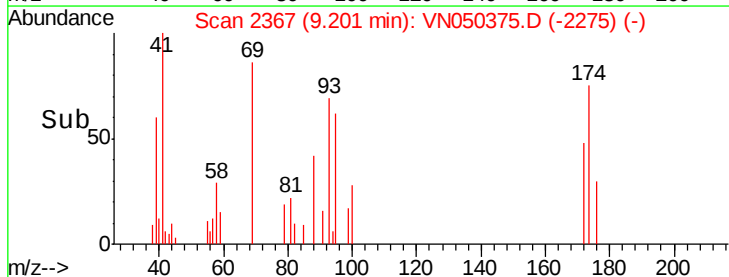
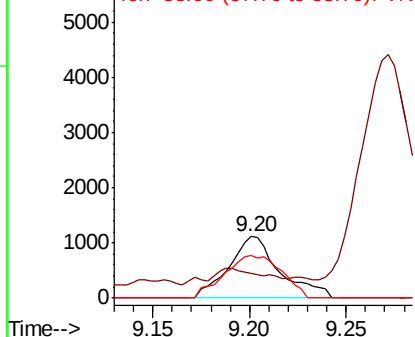


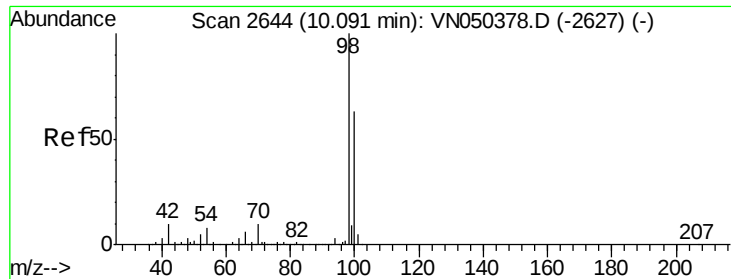
#49  
1,4-Dioxane  
Concen: 20.662 ug/l  
RT: 9.20 min Scan# 2367  
Delta R.T. -0.00 min  
Lab File: VN050375.D  
Acq: 6 Aug 2018 11:10

Tgt Ion: 88 Resp: 2041  
Ion Ratio Lower Upper  
88 100  
43 16.8 26.9 40.3#  
58 77.7 57.3 85.9



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

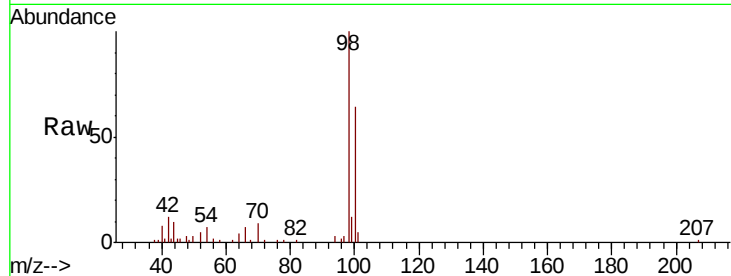




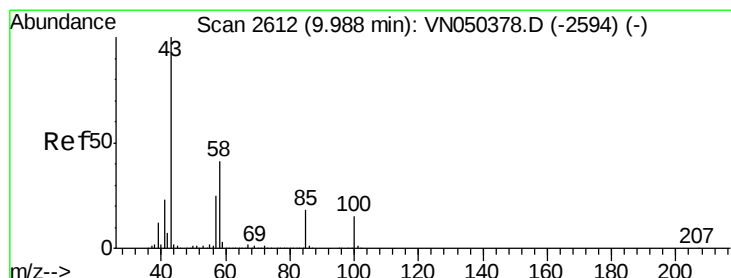
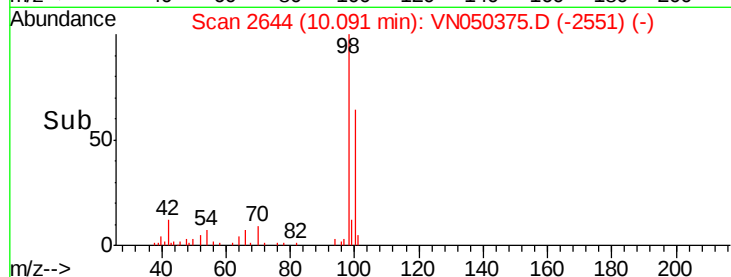
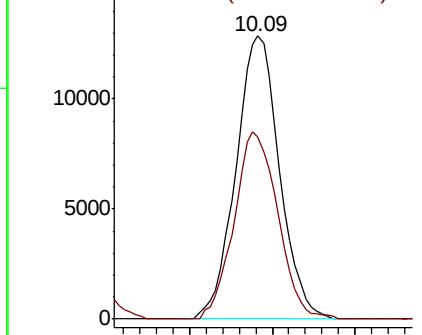
#50  
Toluene-d8  
Concen: 0.832 ug/l  
RT: 10.09 min Scan# 2644  
Delta R.T. 0.00 min  
Lab File: VN050375.D  
Acq: 6 Aug 2018 11:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tot Ion: 98 Resp: 23499  
Ion Ratio Lower Upper  
98 100  
100 66.5 50.7 76.1

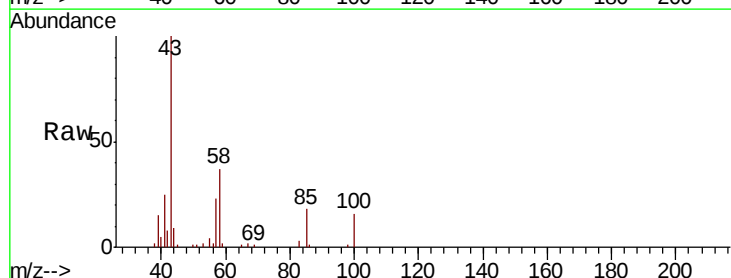


Abundance Ion 98.00 (97.70 to 98.70): VN050378.D (-2627) (-)  
Ion 100.00 (99.70 to 100.70): VN050375.D (-2519) (-)

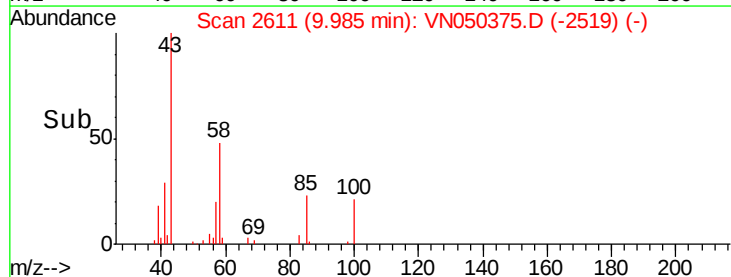
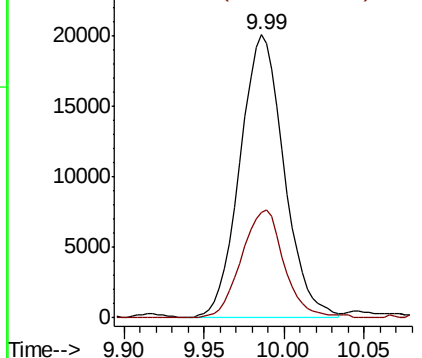


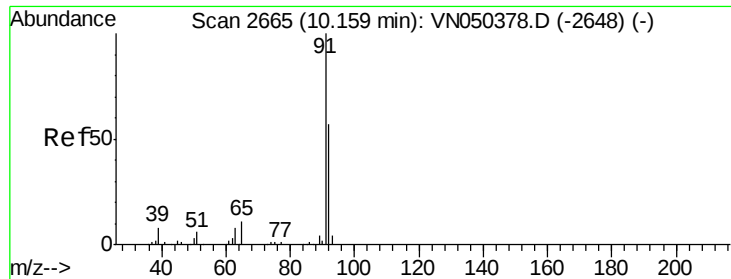
#51  
4-Methyl-2-Pentanone  
Concen: 4.114 ug/l  
RT: 9.99 min Scan# 2611  
Delta R.T. -0.00 min  
Lab File: VN050375.D  
Acq: 6 Aug 2018 11:10

Tgt Ion: 43 Resp: 37883  
Ion Ratio Lower Upper  
43 100  
58 37.1 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-2594) (-)  
Ion 58.00 (57.70 to 58.70): VN050375.D (-2519) (-)





#52

Toluene

Concen: 0.842 ug/l

RT: 10.15 min Scan# 2663

Delta R.T. -0.01 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampleId :

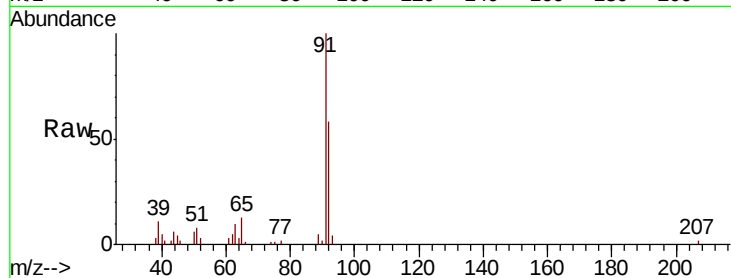
VSTDIC001

Tot Ion: 92 Resp: 15992

Ion Ratio Lower Upper

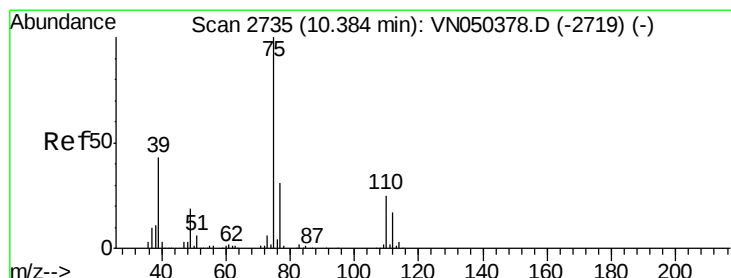
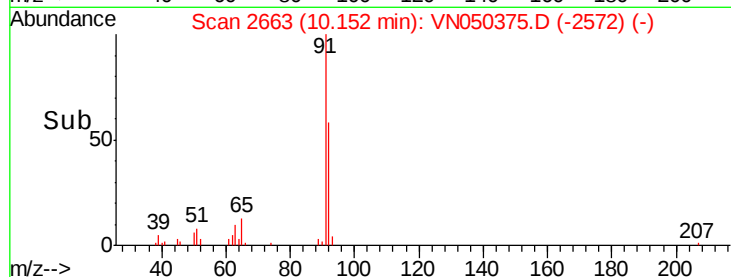
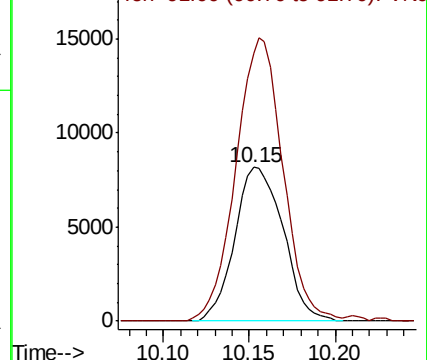
92 100

91 179.1 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 0.841 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050375.D

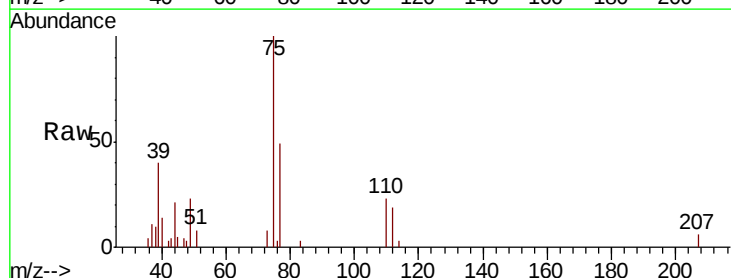
Acq: 6 Aug 2018 11:10

Tgt Ion: 75 Resp: 8977

Ion Ratio Lower Upper

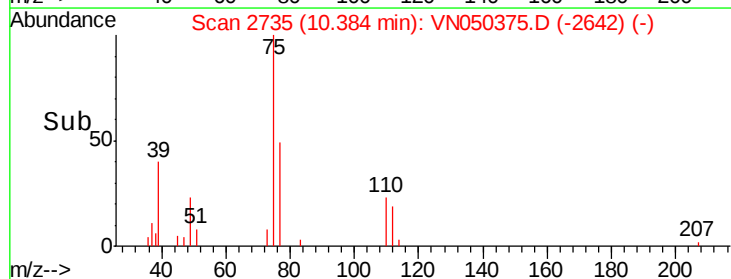
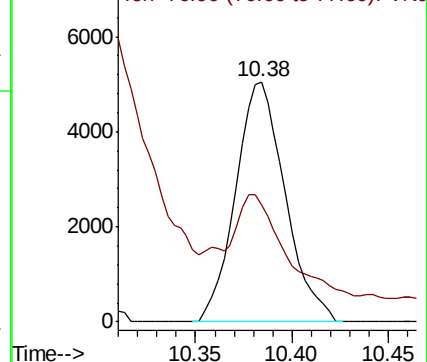
75 100

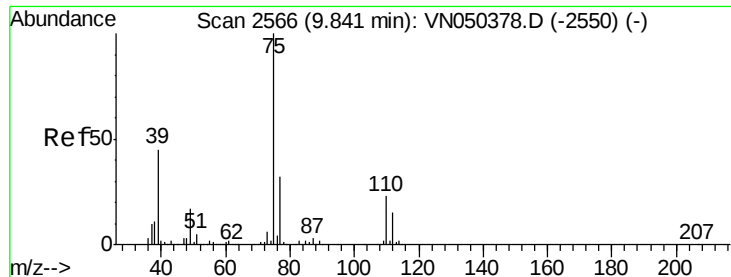
77 35.5 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#54

cis-1,3-Dichloropropene

Concen: 0.823 ug/l

RT: 9.84 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

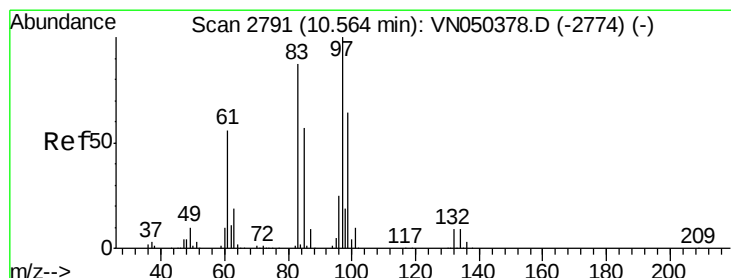
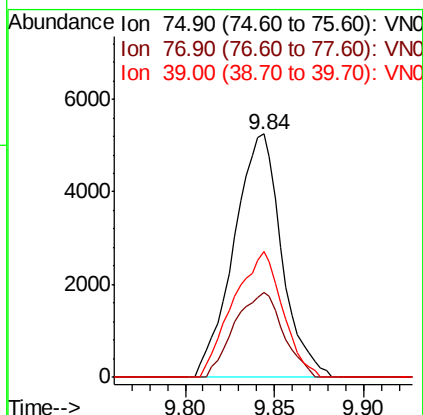
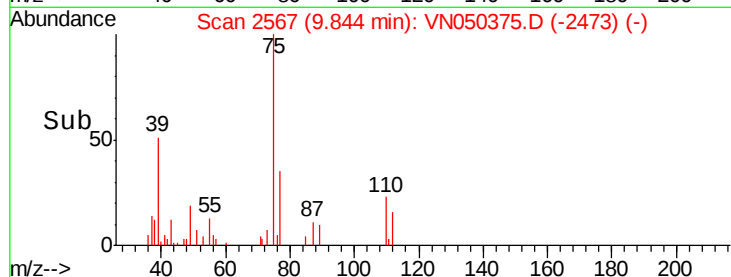
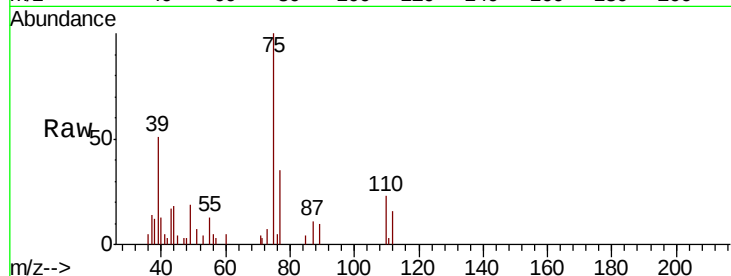
Tot Ion: 75 Resp: 9800

Ion Ratio Lower Upper

75 100

77 34.9 25.5 38.3

39 51.5 36.6 55.0



#55

1,1,2-Trichloroethane

Concen: 0.946 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Tgt Ion: 97 Resp: 7015

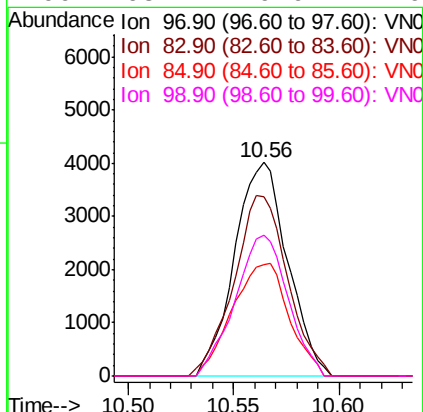
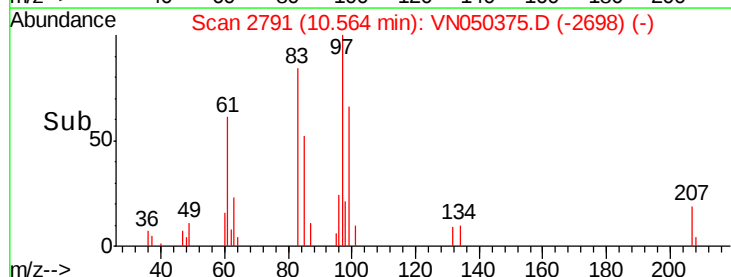
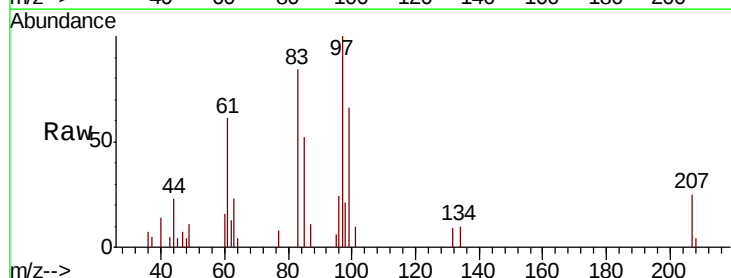
Ion Ratio Lower Upper

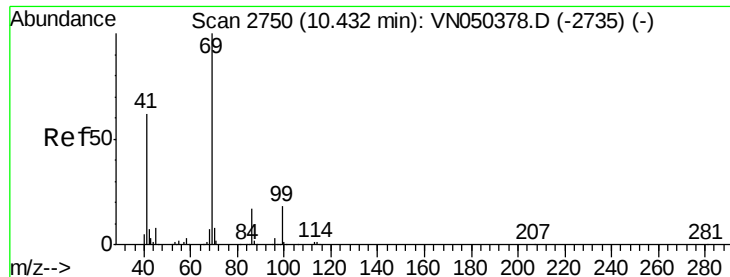
97 100

83 83.9 69.2 103.8

85 52.4 44.0 66.0

99 65.7 49.9 74.9





#56

Ethyl methacrylate

Concen: 2.326 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC001

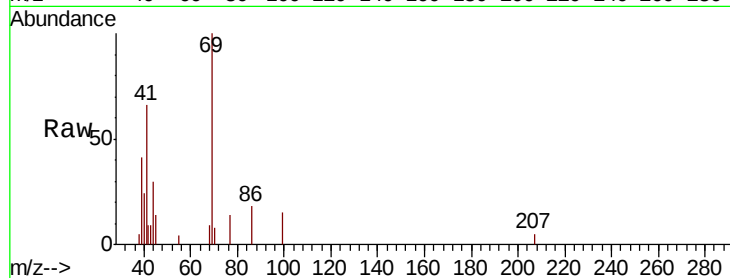
Tot Ion: 69 Resp: 6690

Ion Ratio Lower Upper

69 100

41 71.4 51.0 76.4

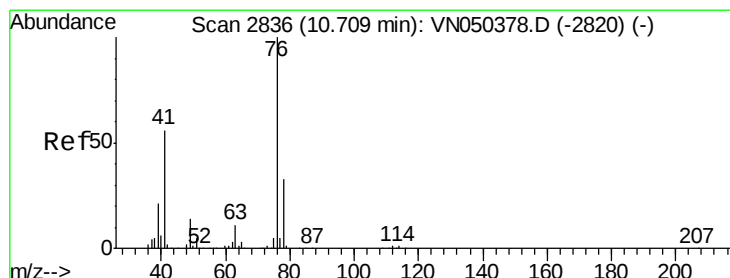
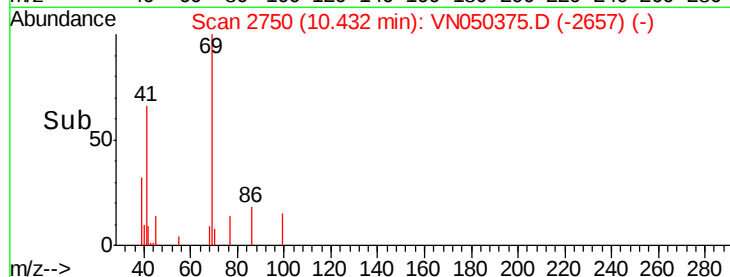
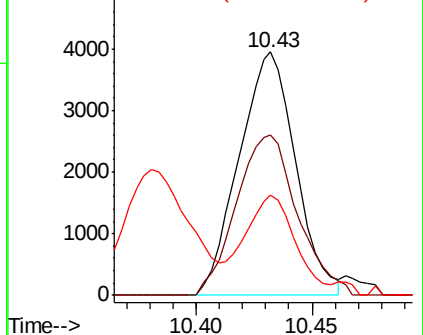
39 32.1 26.6 40.0



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.915 ug/l

RT: 10.71 min Scan# 2835

Delta R.T. -0.00 min

Lab File: VN050375.D

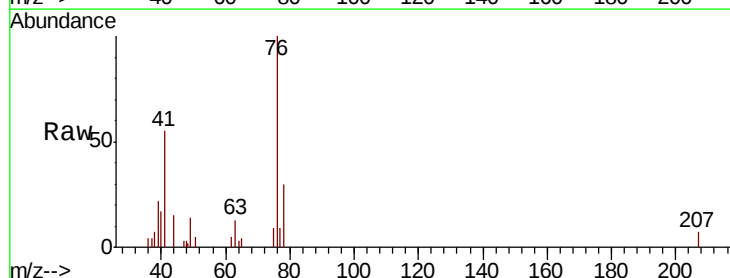
Acq: 6 Aug 2018 11:10

Tgt Ion: 76 Resp: 11141

Ion Ratio Lower Upper

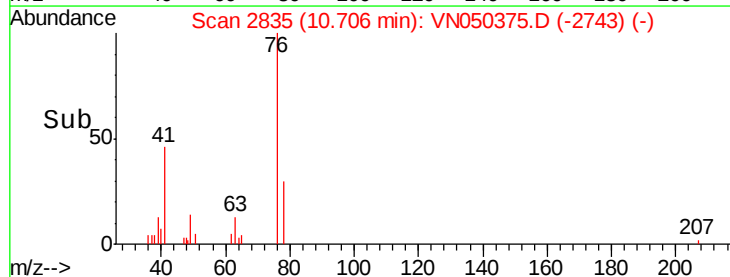
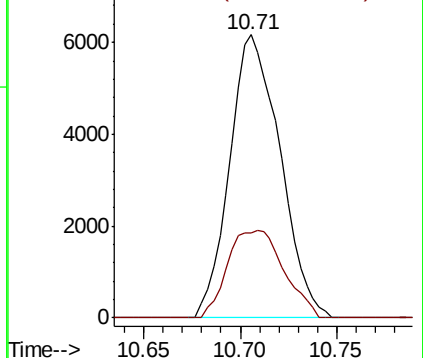
76 100

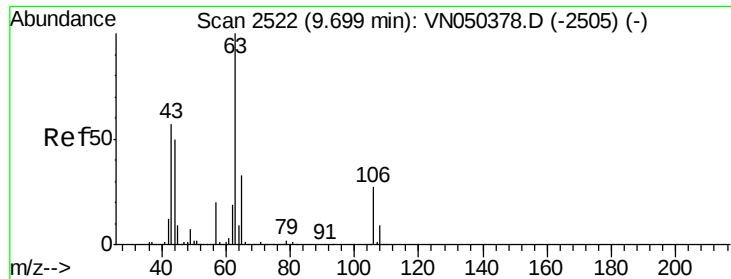
78 34.6 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#58

2-Chloroethyl Vinyl ether

Concen: 10.527 ug/l

RT: 9.69 min Scan# 2520

Delta R.T. -0.01 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampleId :

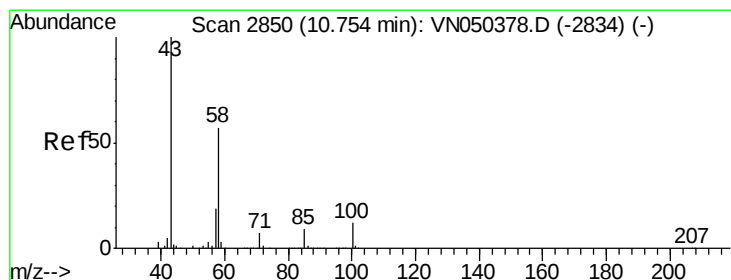
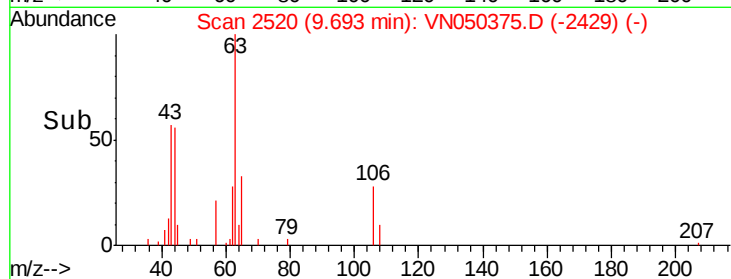
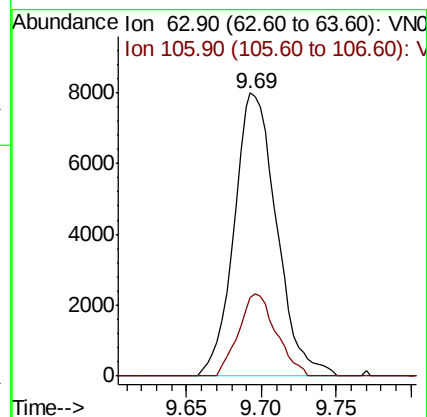
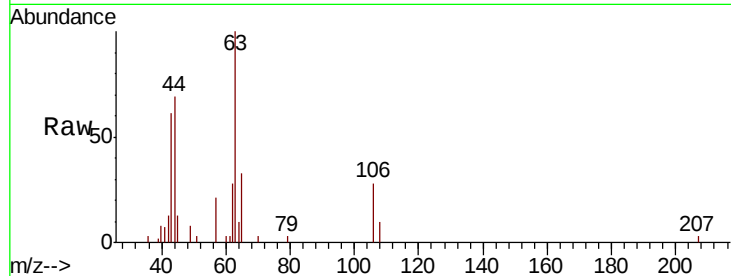
VSTDIC001

Tot Ion: 63 Resp: 15791

Ion Ratio Lower Upper

63 100

106 25.7 21.7 32.5



#59

2-Hexanone

Concen: 4.147 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN050375.D

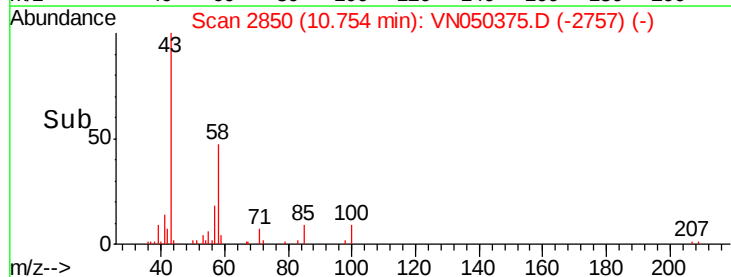
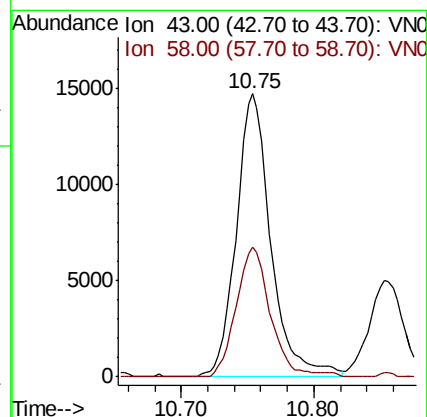
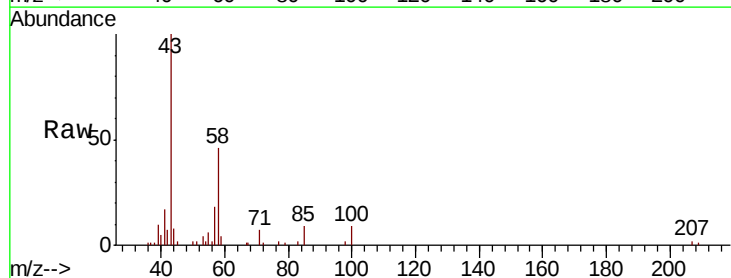
Acq: 6 Aug 2018 11:10

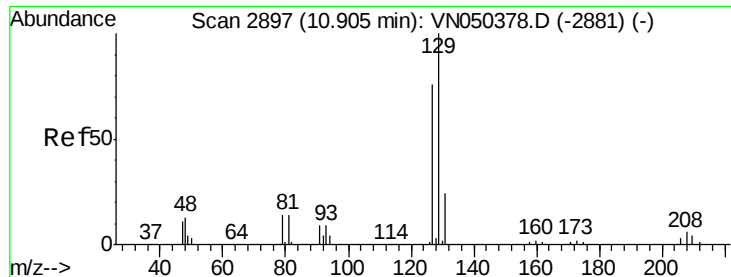
Tgt Ion: 43 Resp: 26652

Ion Ratio Lower Upper

43 100

58 44.8 27.6 82.7





#60

Dibromochloromethane

Concen: 0.940 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampleId :

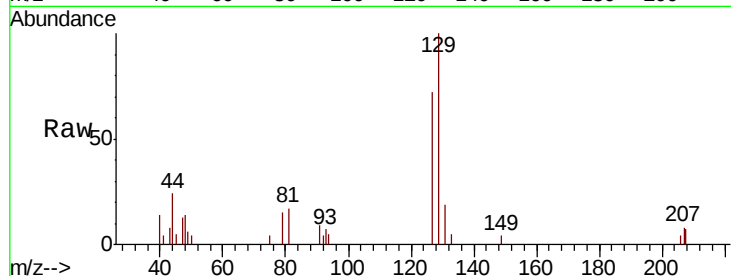
VSTDIC001

Tot Ion:129 Resp: 7676

Ion Ratio Lower Upper

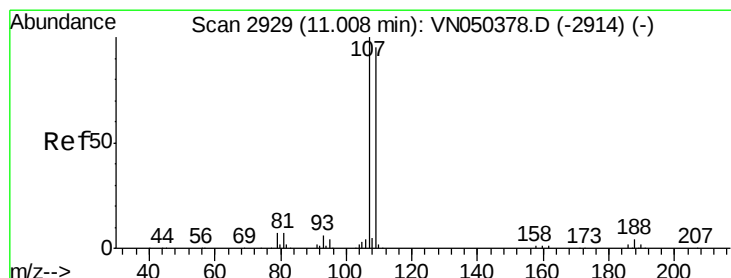
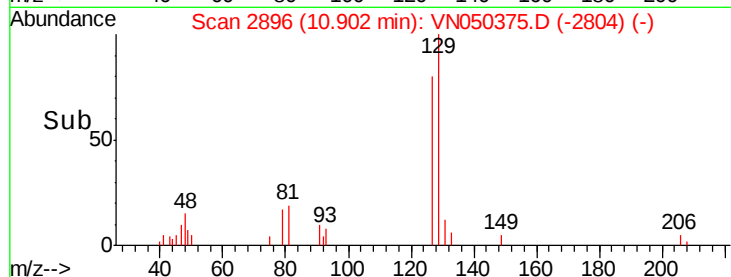
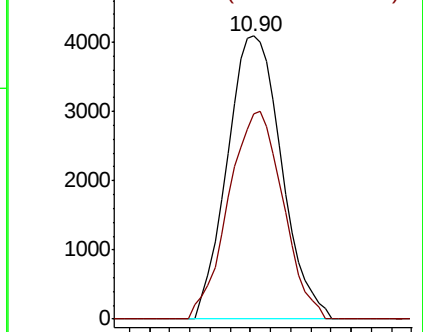
129 100

127 73.7 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.831 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050375.D

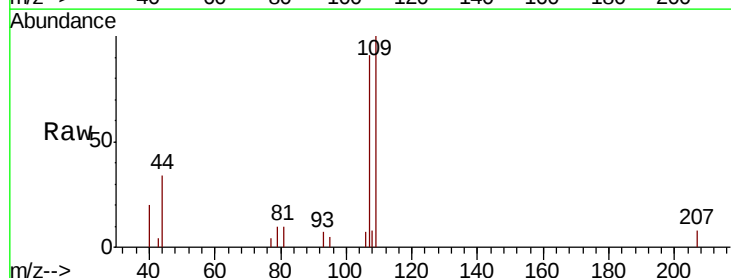
Acq: 6 Aug 2018 11:10

Tgt Ion:107 Resp: 6072

Ion Ratio Lower Upper

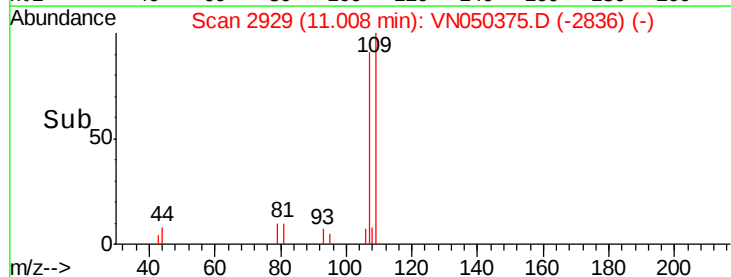
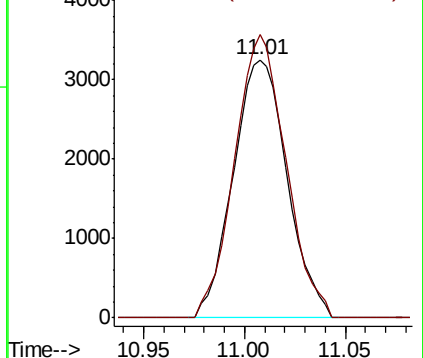
107 100

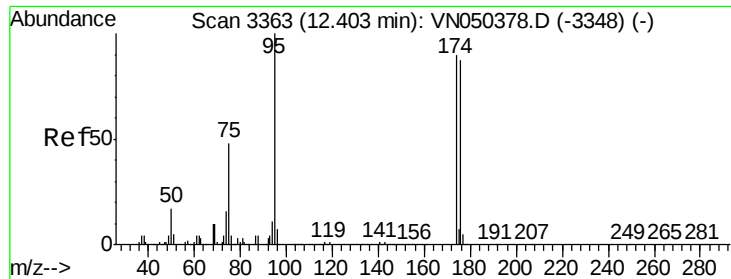
109 104.7 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

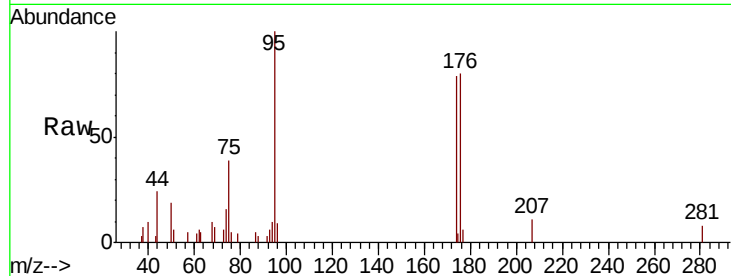




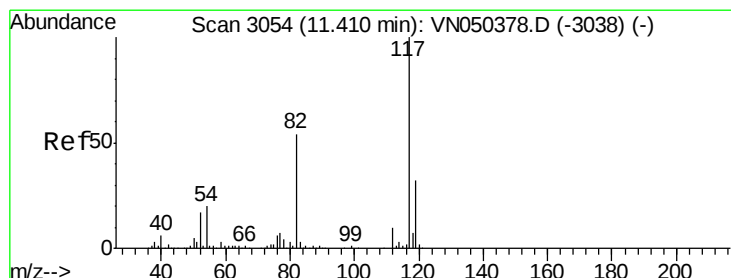
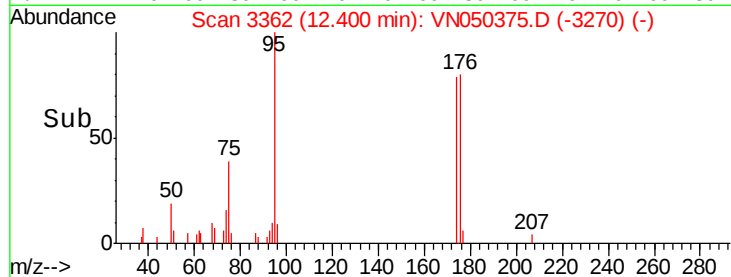
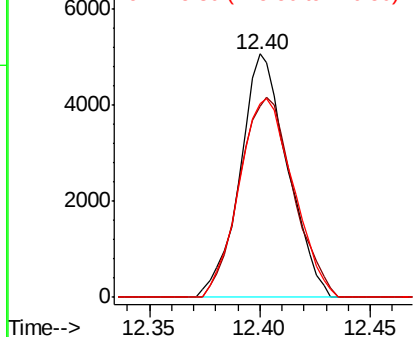
#62  
4-Bromofluorobenzene  
Concen: 0.787 ug/l  
RT: 12.40 min Scan# 3362  
Delta R.T. -0.00 min  
Lab File: VN050375.D  
Acq: 6 Aug 2018 11:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tot Ion: 95 Resp: 7576  
Ion Ratio Lower Upper  
95 100  
174 92.9 0.0 178.2  
176 92.8 0.0 173.4

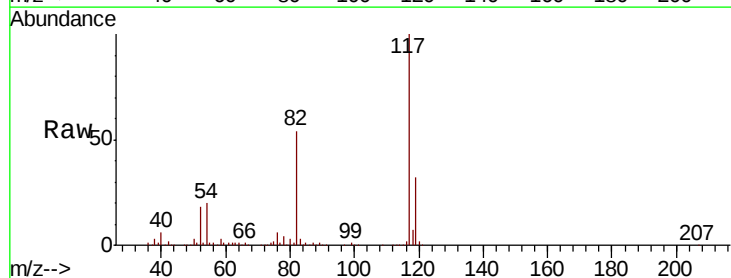


Abundance Ion 94.90 (94.60 to 95.60): VN0  
Ion 173.80 (173.50 to 174.50): VN0  
Ion 175.80 (175.50 to 176.50): VN0

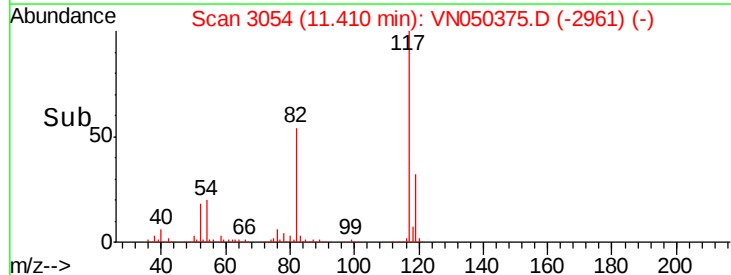
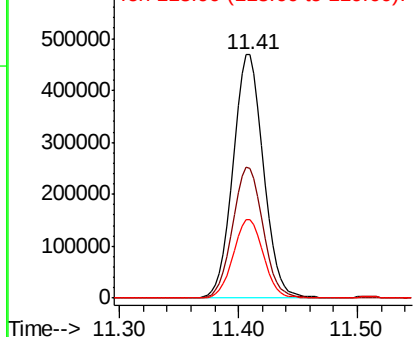


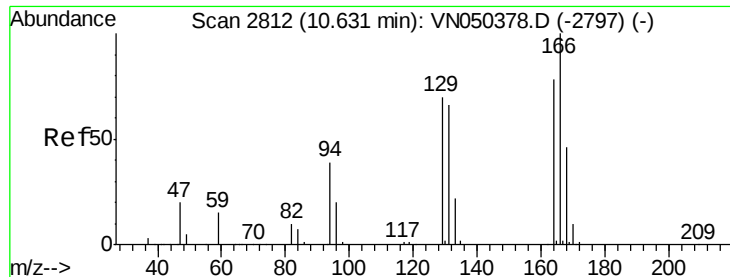
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN050375.D  
Acq: 6 Aug 2018 11:10

Tgt Ion: 117 Resp: 829895  
Ion Ratio Lower Upper  
117 100  
82 53.5 43.7 65.5  
119 32.5 26.1 39.1



Abundance Ion 116.90 (116.60 to 117.60): VN0  
Ion 82.00 (81.70 to 82.70): VN0  
Ion 118.90 (118.60 to 119.60): VN0





#64

Tetrachloroethene

Concen: 1.018 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 7891

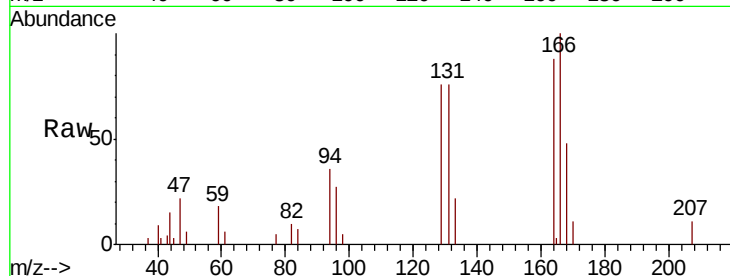
Ion Ratio Lower Upper

164 100

166 113.9 102.1 153.1

129 87.1 73.2 109.8

131 86.4 70.6 106.0

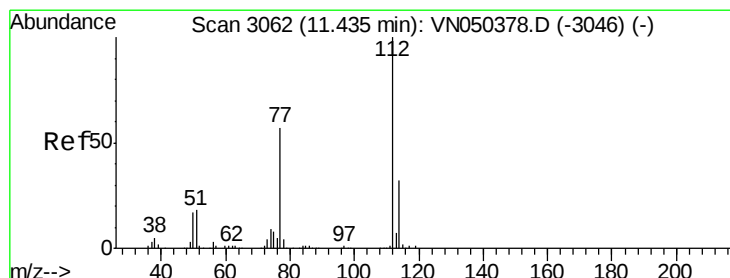
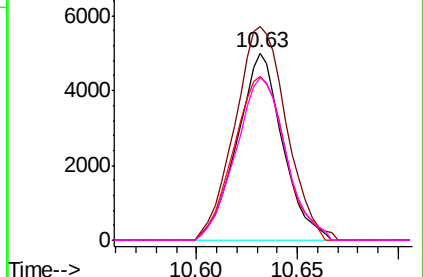
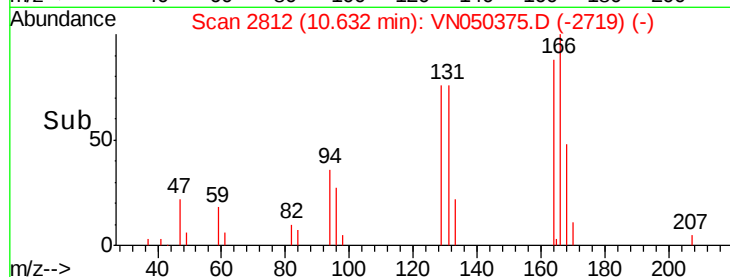


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 1.068 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN050375.D

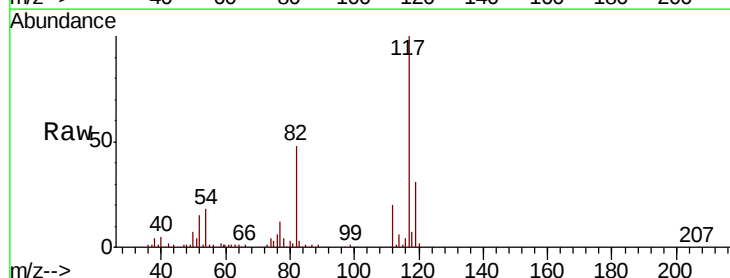
Acq: 6 Aug 2018 11:10

Tgt Ion:112 Resp: 22219

Ion Ratio Lower Upper

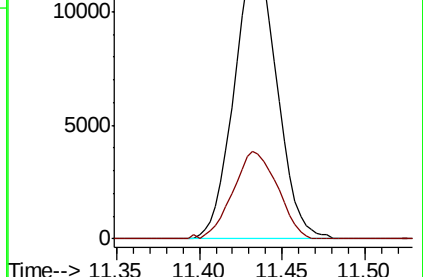
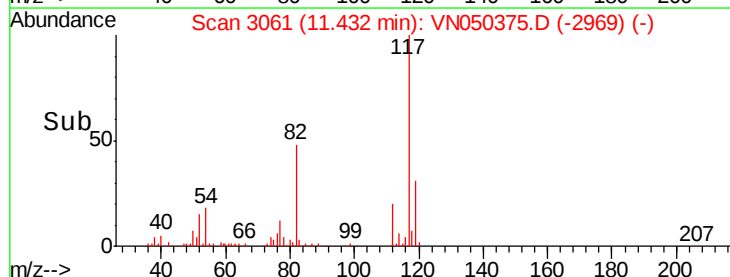
112 100

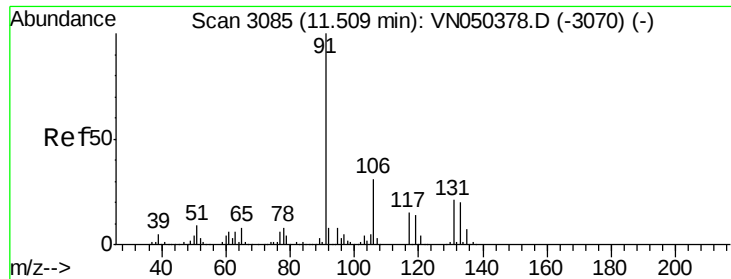
114 30.9 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 1.008 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

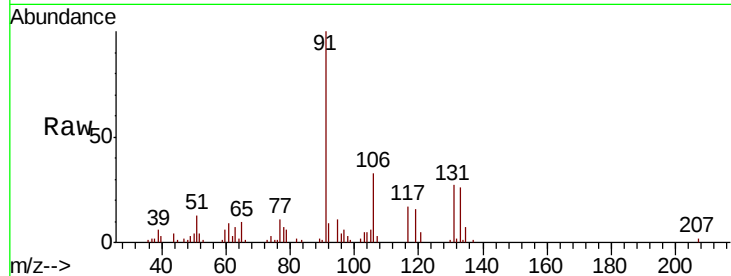
Tot Ion:131 Resp: 7636

Ion Ratio Lower Upper

131 100

133 93.8 47.3 141.9

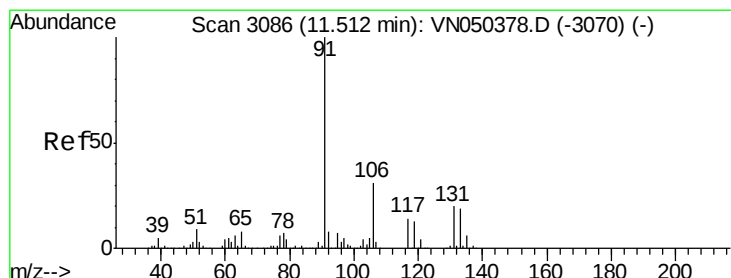
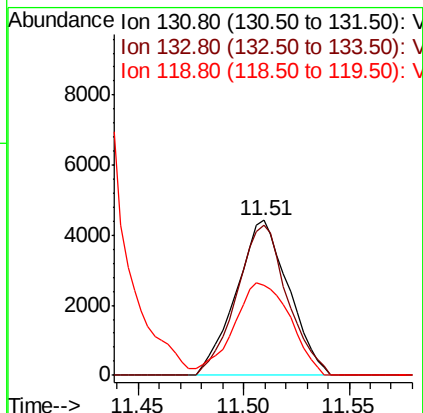
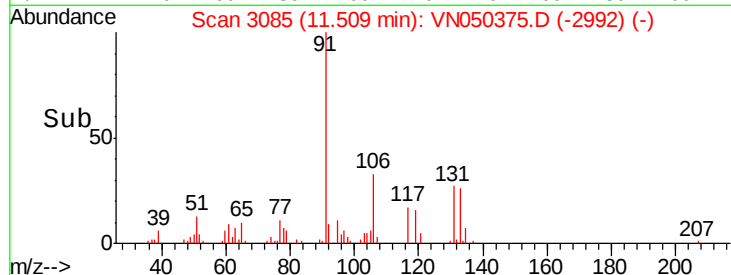
119 0.0 32.9 98.7#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 0.864 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050375.D

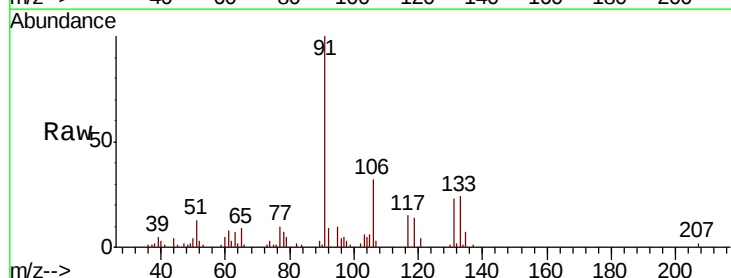
Acq: 6 Aug 2018 11:10

Tgt Ion: 91 Resp: 29042

Ion Ratio Lower Upper

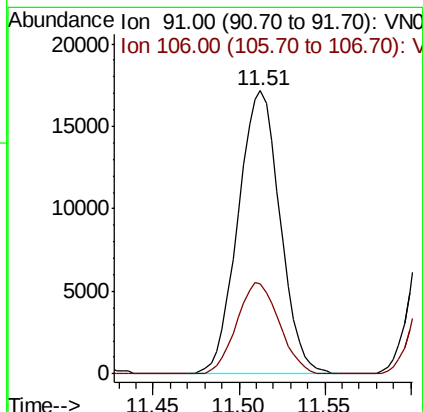
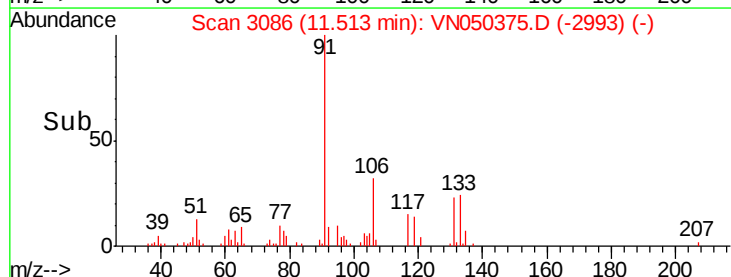
91 100

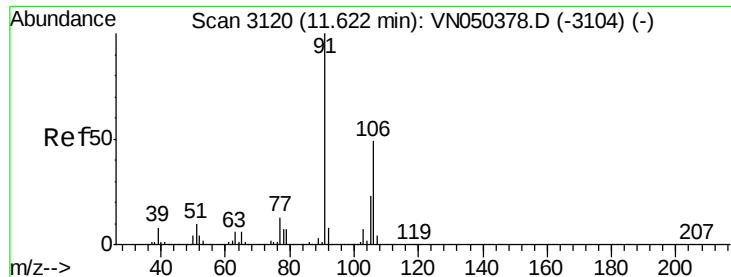
106 31.7 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

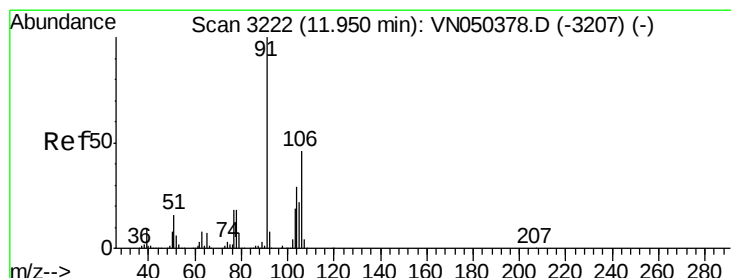
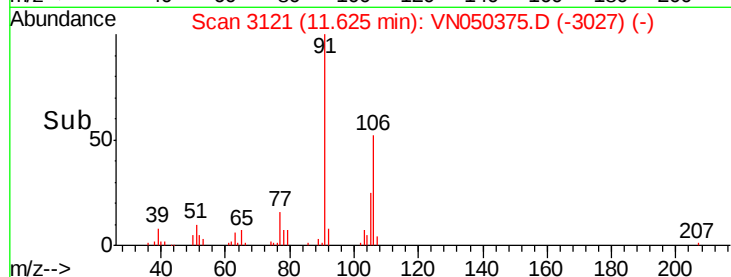
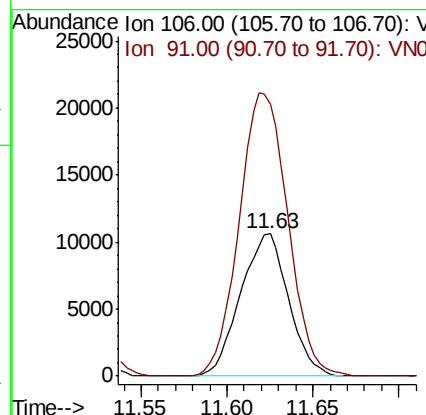
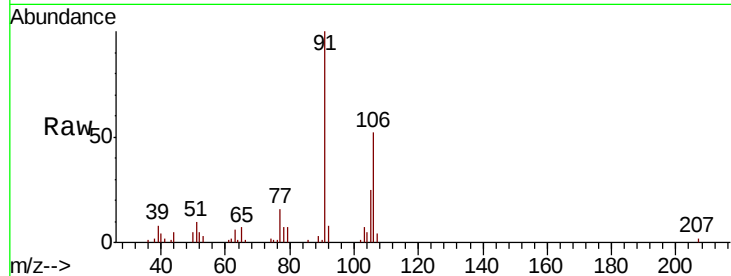




#68  
m/p-Xylenes  
Concen: 1.607 ug/l  
RT: 11.63 min Scan# 3121  
Delta R.T. 0.00 min  
Lab File: VN050375.D  
Acq: 6 Aug 2018 11:10

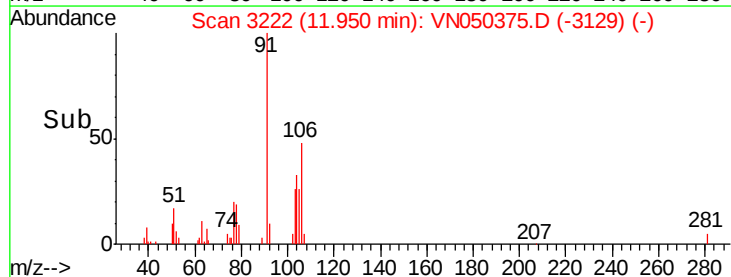
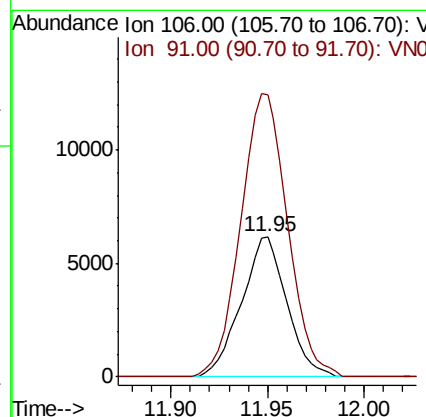
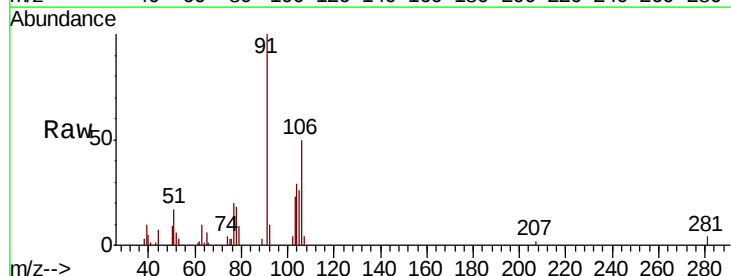
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

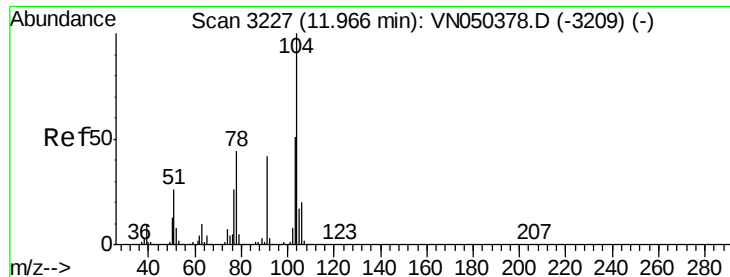
Tot Ion:106 Resp: 20575  
Ion Ratio Lower Upper  
106 100  
91 201.9 162.2 243.2



#69  
o-Xylene  
Concen: 0.818 ug/l  
RT: 11.95 min Scan# 3222  
Delta R.T. 0.00 min  
Lab File: VN050375.D  
Acq: 6 Aug 2018 11:10

Tgt Ion:106 Resp: 10088  
Ion Ratio Lower Upper  
106 100  
91 208.5 107.7 323.1





#70

Stvrene

Concen: 0.742 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC001

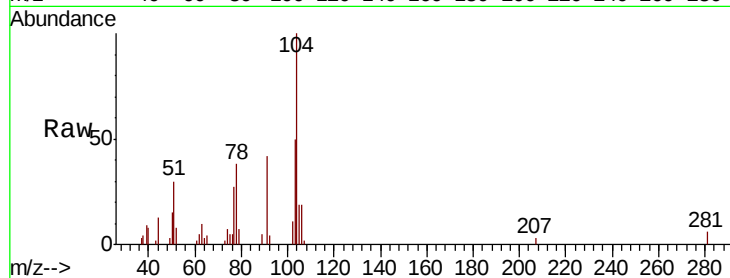
Tot Ion:104 Resp: 14886

Ion Ratio Lower Upper

104 100

78 46.4 39.3 58.9

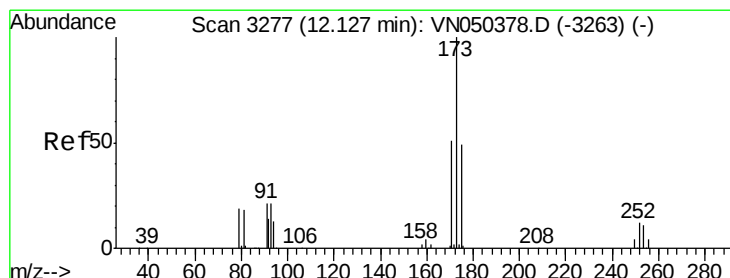
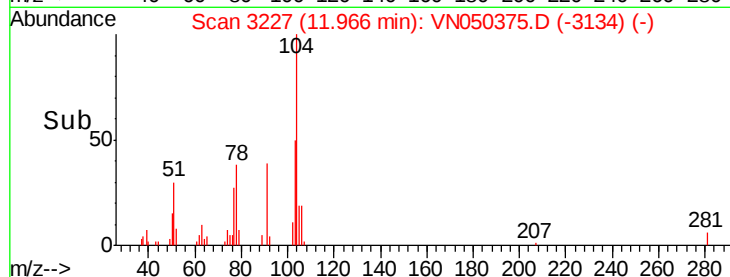
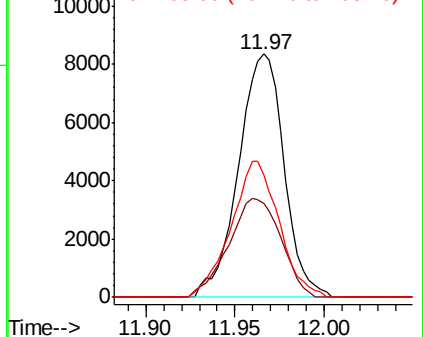
103 58.4 45.0 67.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.873 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

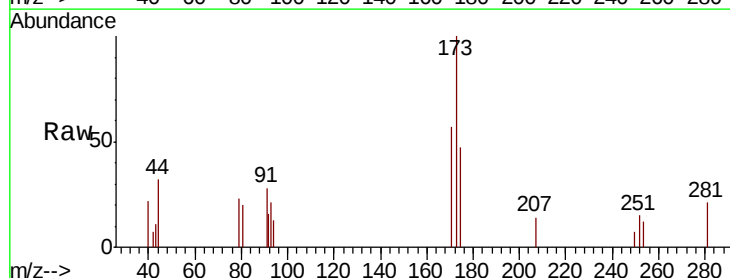
Tgt Ion:173 Resp: 4834

Ion Ratio Lower Upper

173 100

175 50.3 24.1 72.2

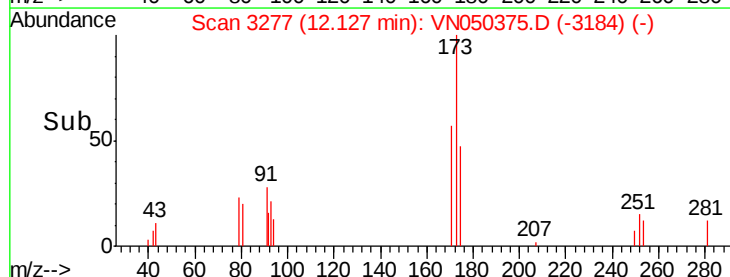
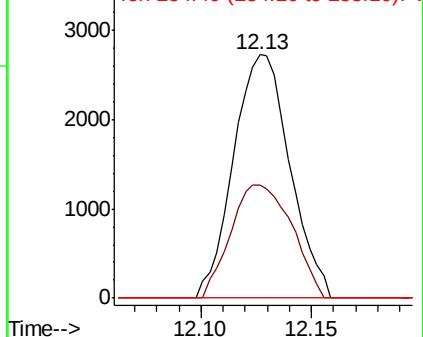
254 0.0 0.2 0.2#

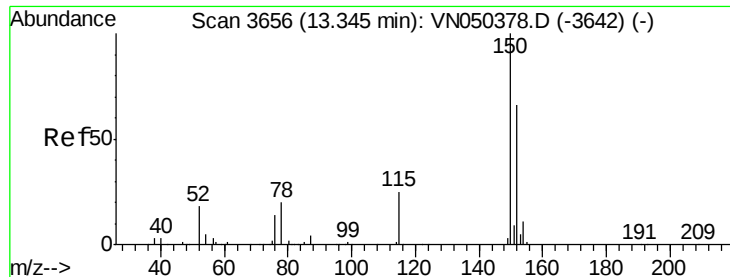


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

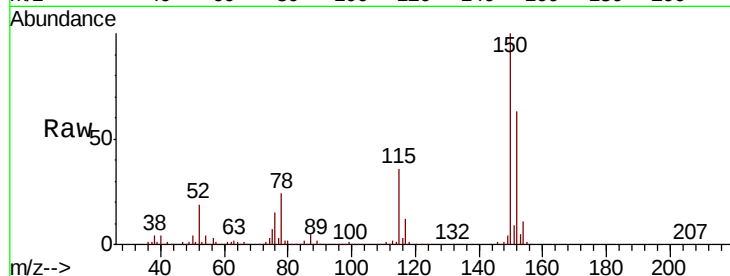
Tot Ion:152 Resp: 367027

Ion Ratio Lower Upper

152 100

115 56.4 27.8 83.3

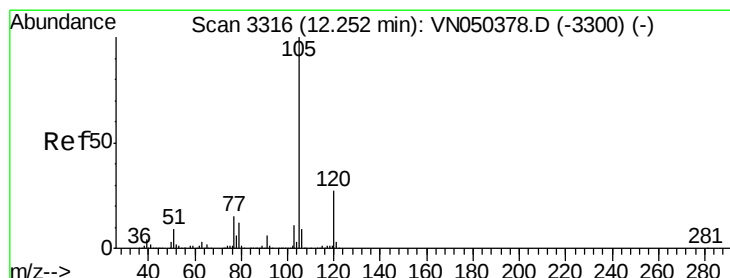
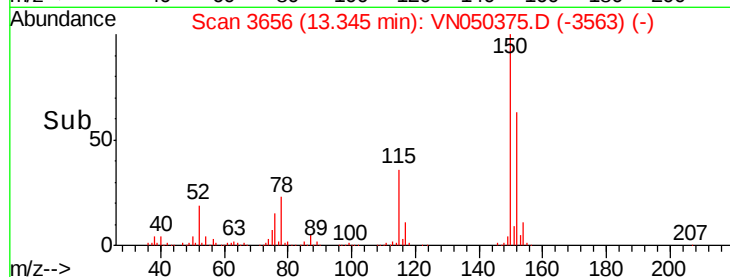
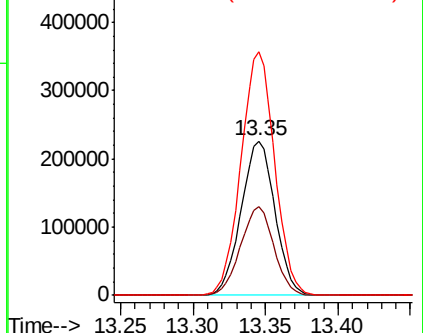
150 156.7 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.931 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050375.D

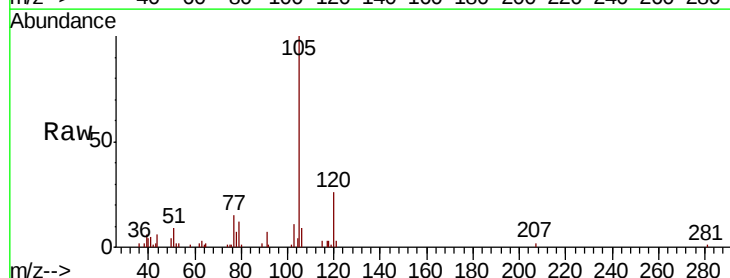
Acq: 6 Aug 2018 11:10

Tgt Ion:105 Resp: 25639

Ion Ratio Lower Upper

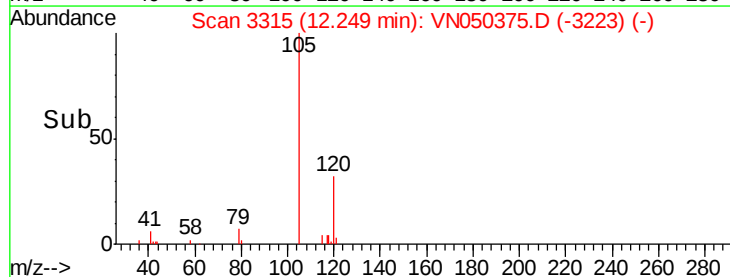
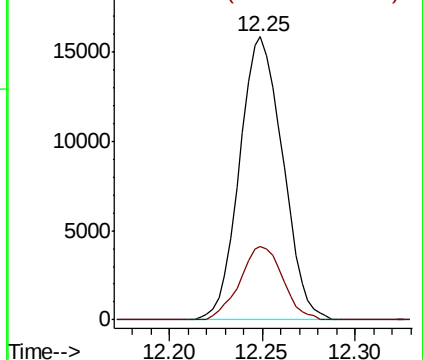
105 100

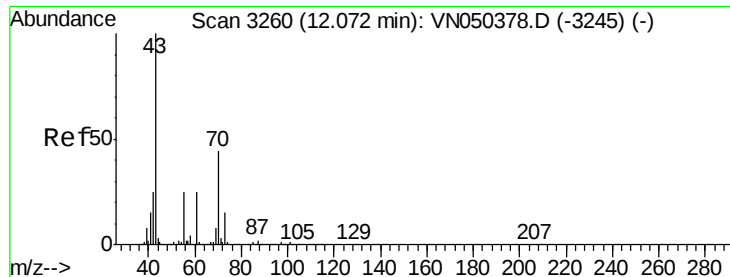
120 25.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.956 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 8538

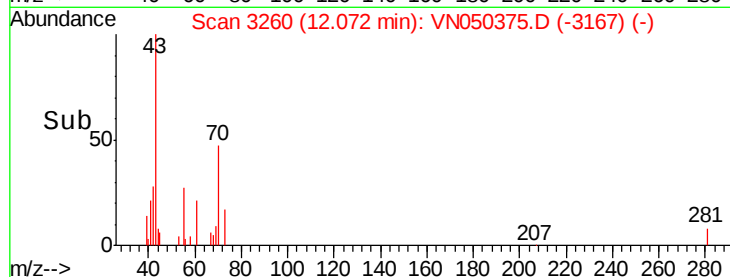
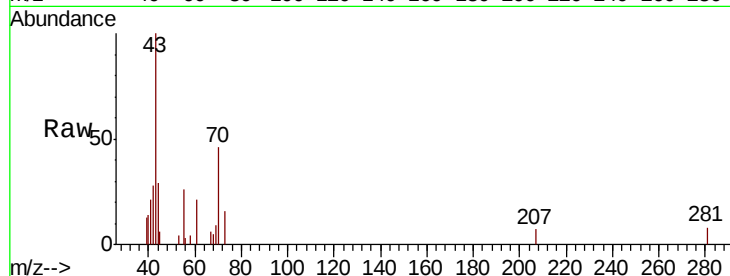
Ion Ratio Lower Upper

43 100

70 40.5 34.4 51.6

55 25.8 20.8 31.2

61 19.0 19.7 29.5#

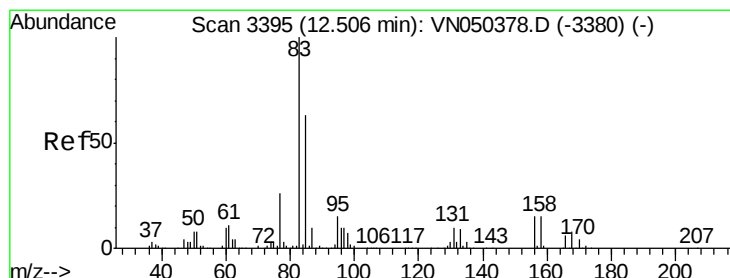
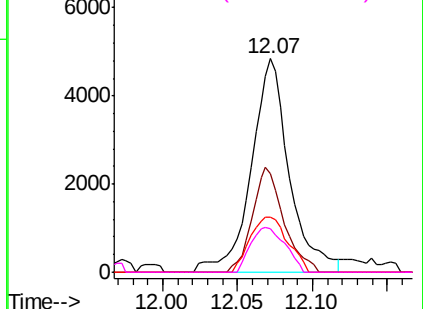


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#75

1,1,2,2-Tetrachloroethane

Concen: 1.117 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

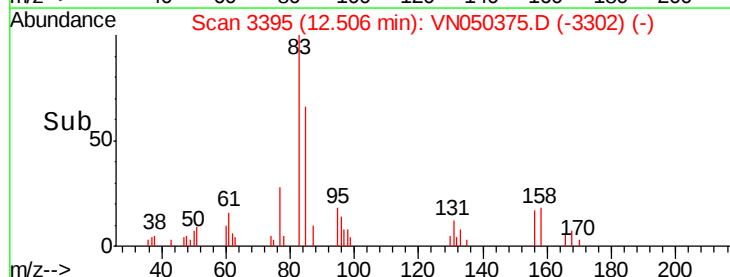
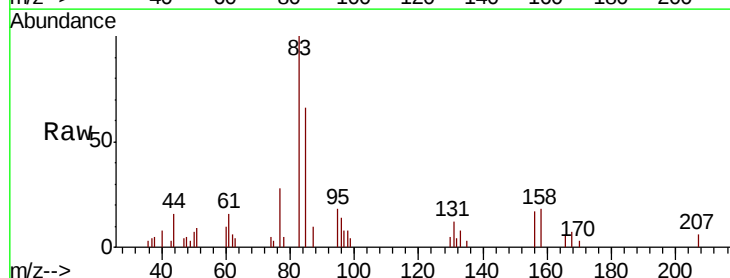
Tgt Ion: 83 Resp: 8881

Ion Ratio Lower Upper

83 100

131 10.7 5.1 15.3

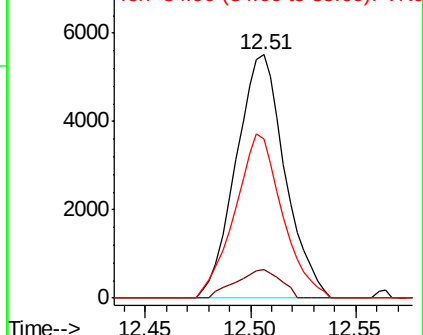
85 65.5 32.3 96.8

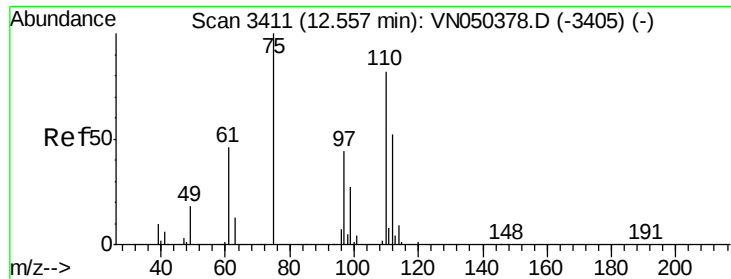


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO





#76

1,2,3-Trichloropropane

Concen: 1.469 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampleId :

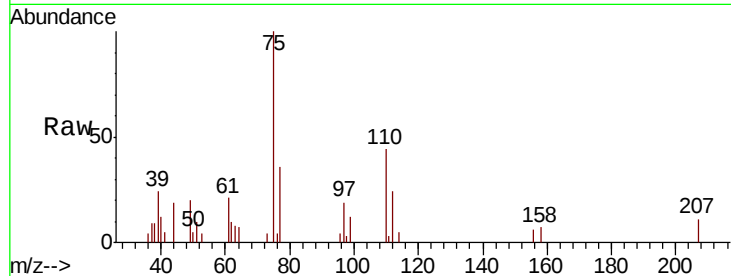
VSTDIC001

Tot Ion: 75 Resp: 9760

Ion Ratio Lower Upper

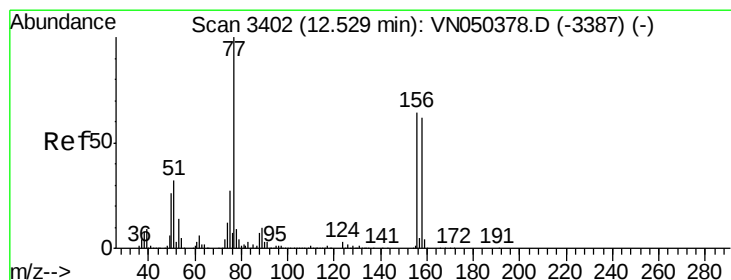
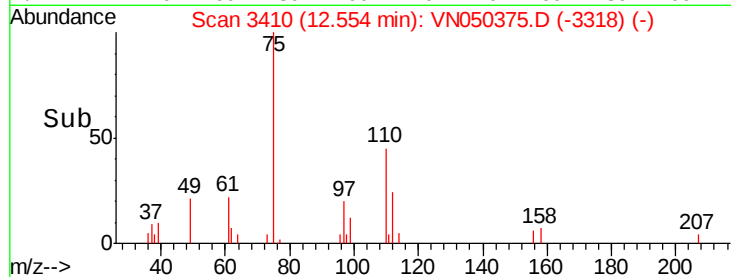
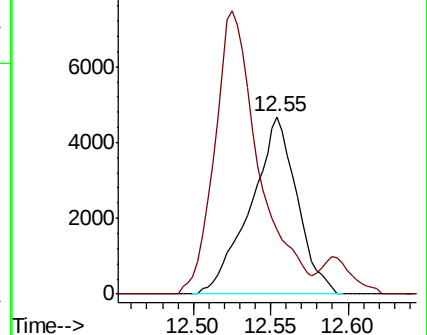
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: 1.035 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

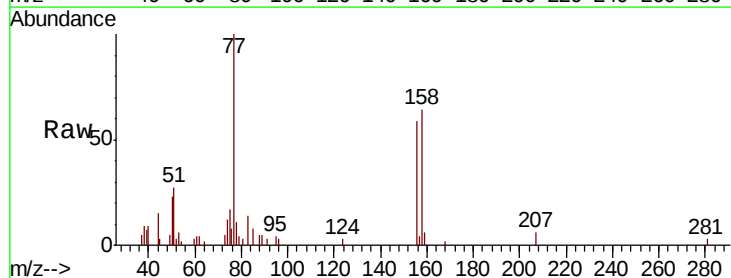
Tgt Ion: 156 Resp: 7641

Ion Ratio Lower Upper

156 100

77 194.0 91.7 275.1

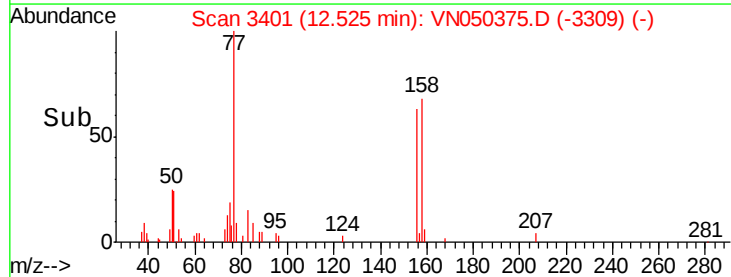
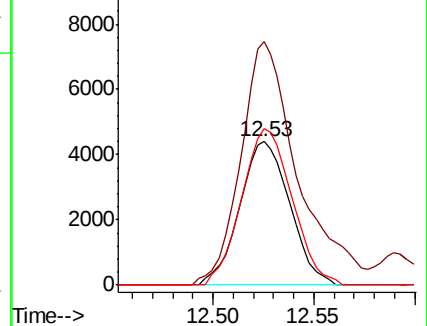
158 110.0 48.9 146.6

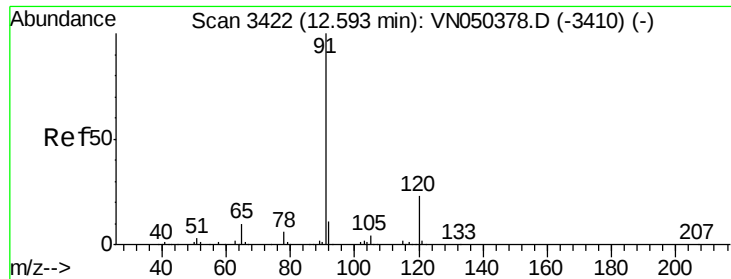


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 0.889 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampleId :

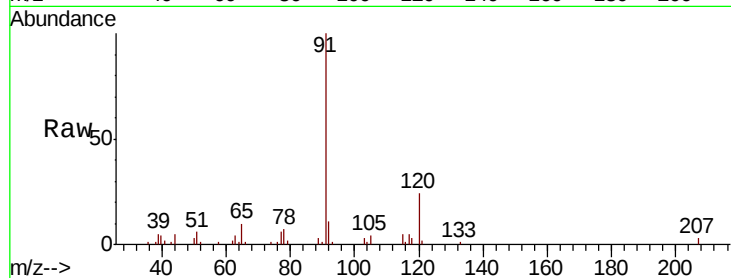
VSTDIC001

Tot Ion: 91 Resp: 27710

Ion Ratio Lower Upper

91 100

120 22.6 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN050375.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN050375.D (-3410) (-)

12.59

15000

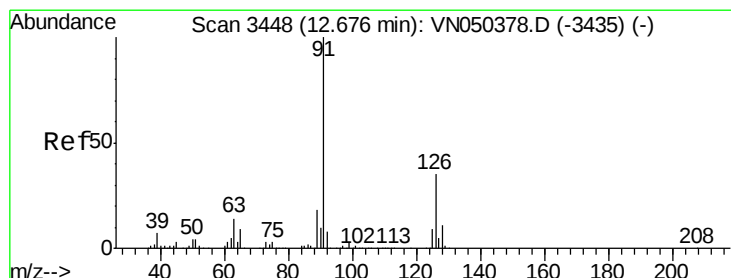
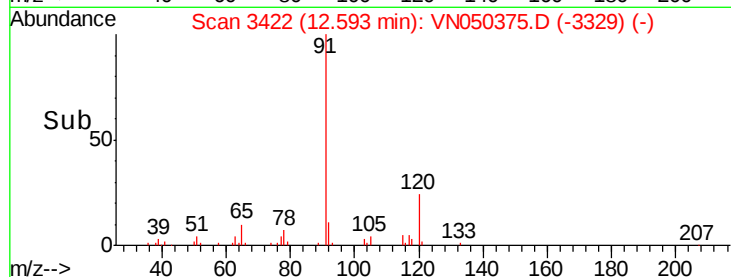
10000

5000

0

Time-->

12.55 12.60 12.65



#79

2-Chlorotoluene

Concen: 0.998 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050375.D

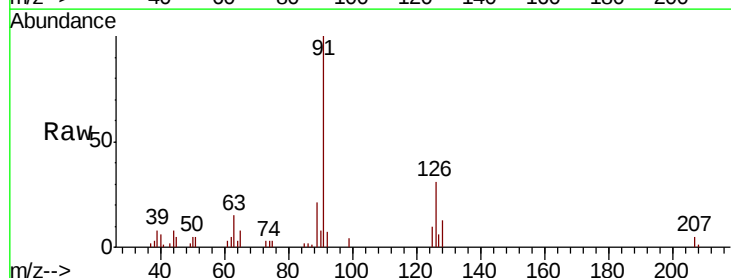
Acq: 6 Aug 2018 11:10

Tgt Ion: 91 Resp: 19213

Ion Ratio Lower Upper

91 100

126 31.3 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN050375.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050375.D (-3435) (-)

12.68

15000

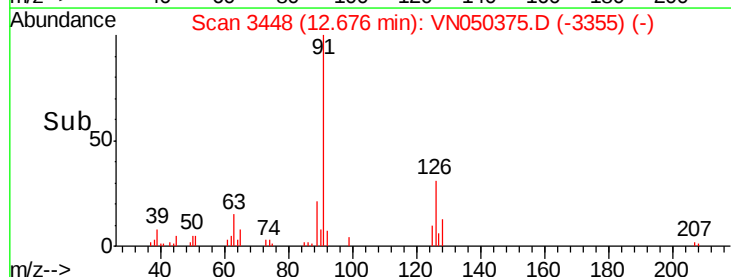
10000

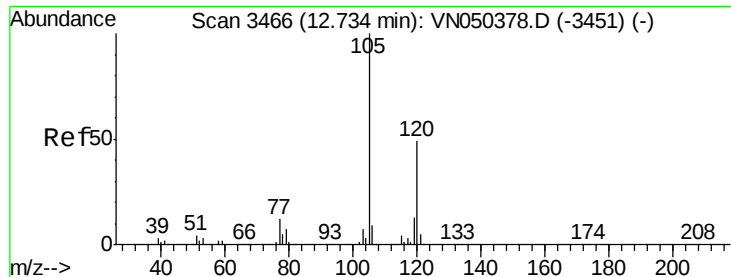
5000

0

Time-->

12.60 12.65 12.70





#80

1,3,5-Trimethylbenzene

Concen: 0.827 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampled :

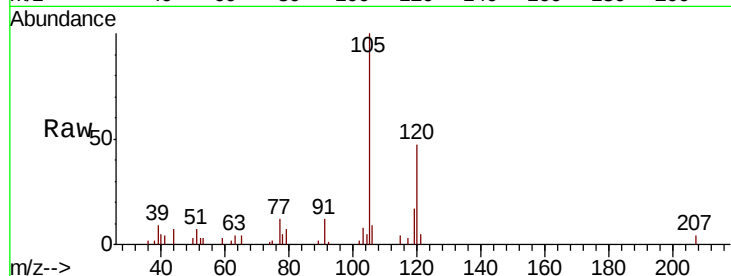
VSTDIC001

Tot Ion:105 Resp: 18502

Ion Ratio Lower Upper

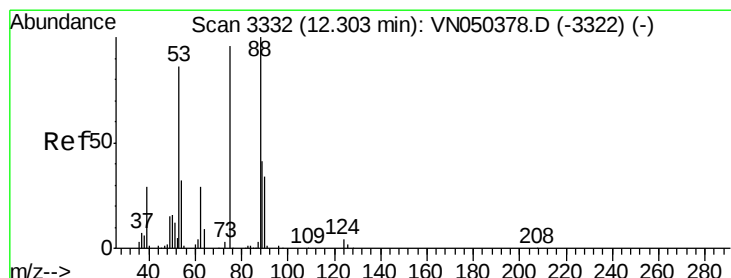
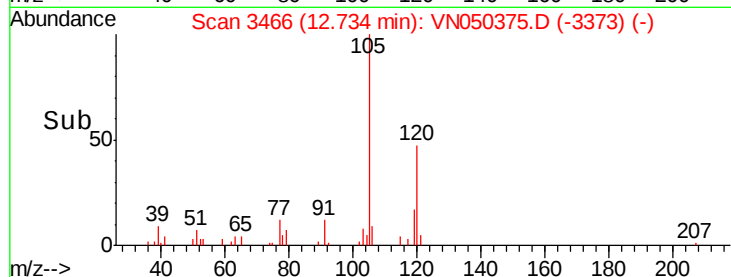
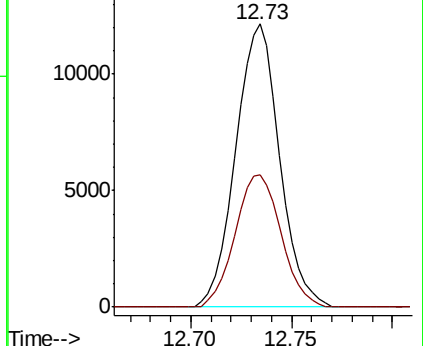
105 100

120 49.0 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 0.773 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

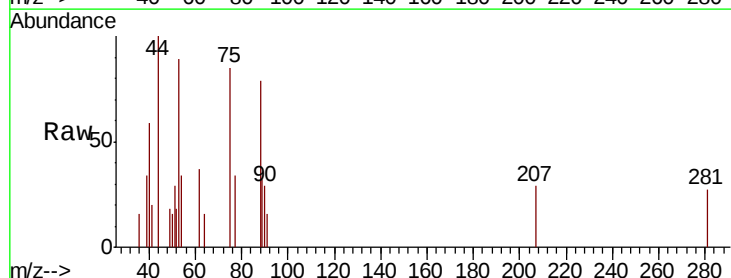
Tgt Ion: 75 Resp: 1461

Ion Ratio Lower Upper

75 100

53 97.0 73.5 110.3

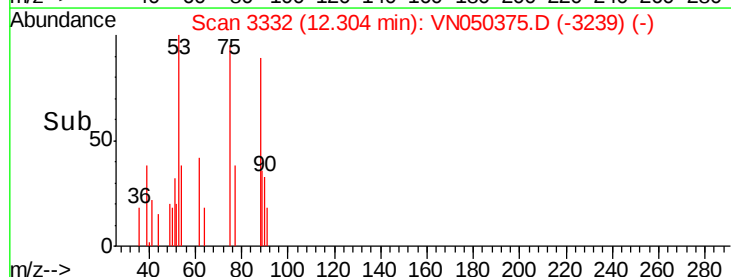
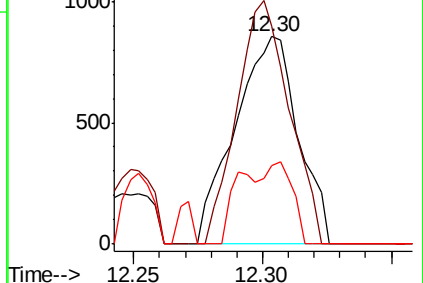
89 13.9 36.0 54.0#

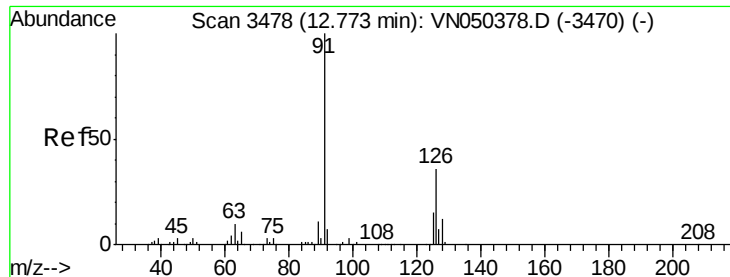


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 0.914 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampleId :

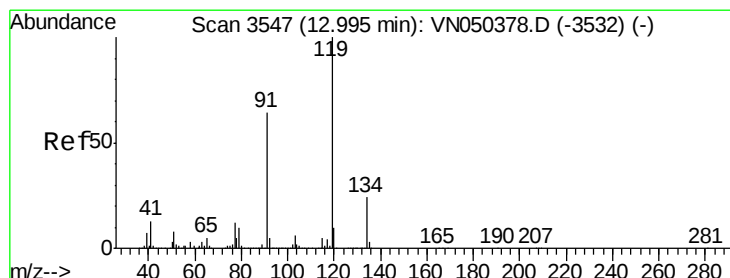
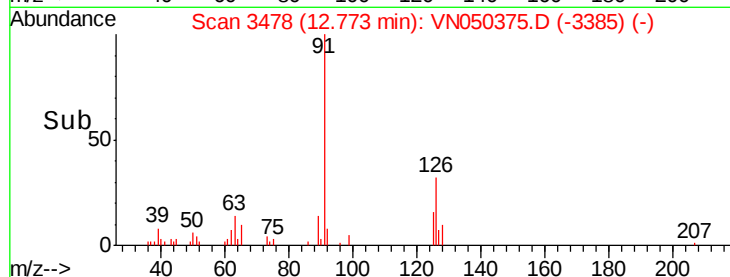
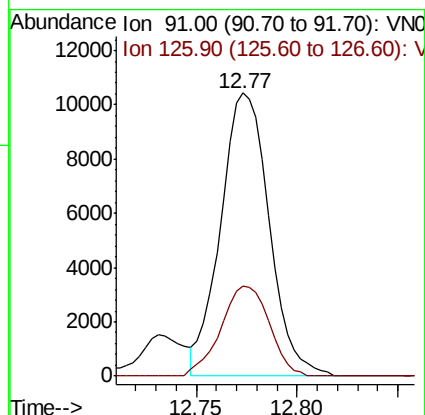
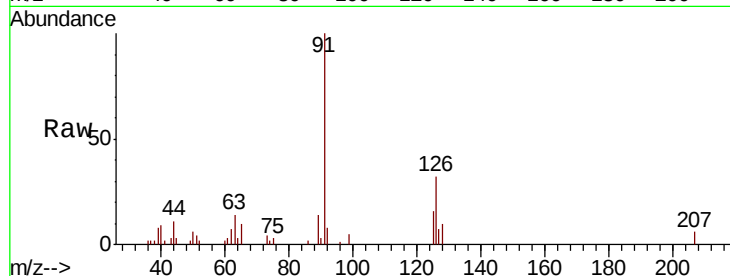
VSTDIC001

Tot Ion: 91 Resp: 17553

Ion Ratio Lower Upper

91 100

126 31.7 17.0 51.0



#83

tert-Butylbenzene

Concen: 0.915 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

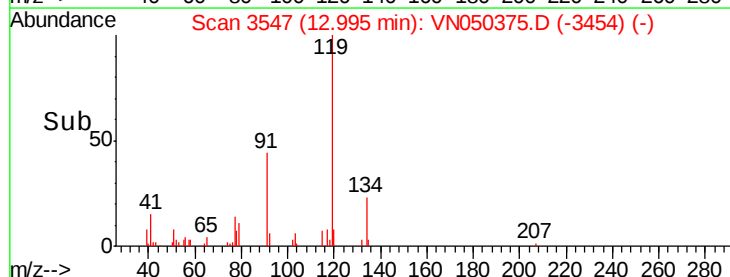
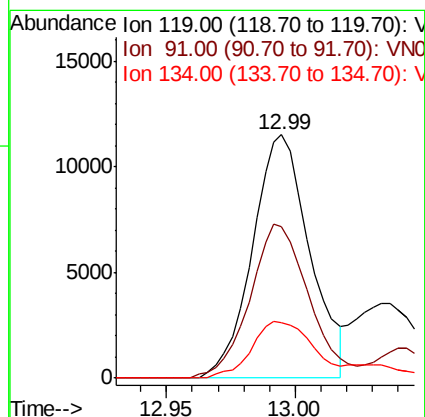
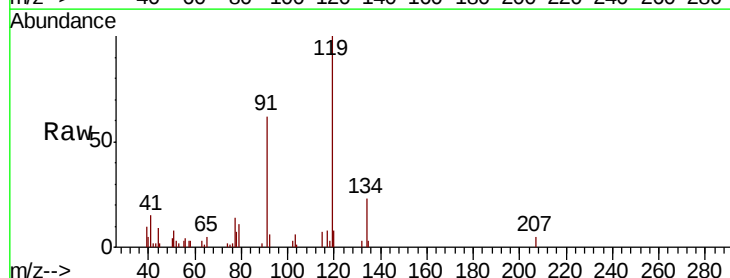
Tgt Ion: 119 Resp: 17856

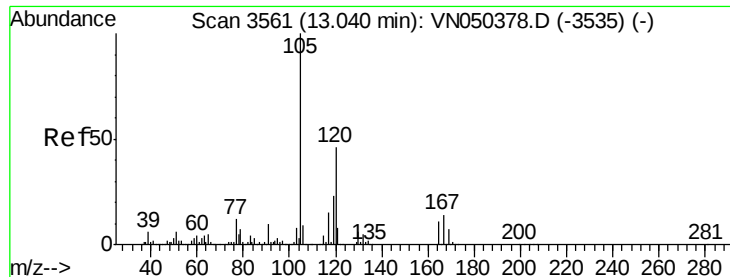
Ion Ratio Lower Upper

119 100

91 64.9 32.1 96.3

134 25.3 13.2 39.5





#84

1,2,4-Trimethylbenzene

Concen: 0.786 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampled :

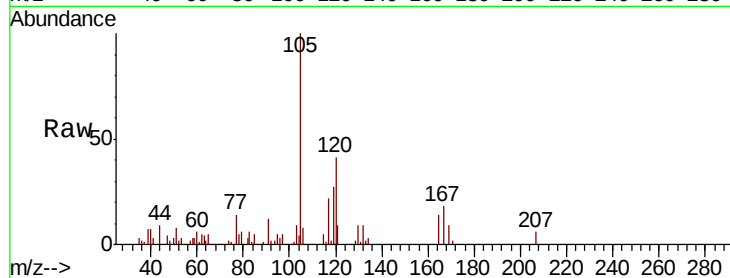
VSTDIC001

Tot Ion:105 Resp: 17808

Ion Ratio Lower Upper

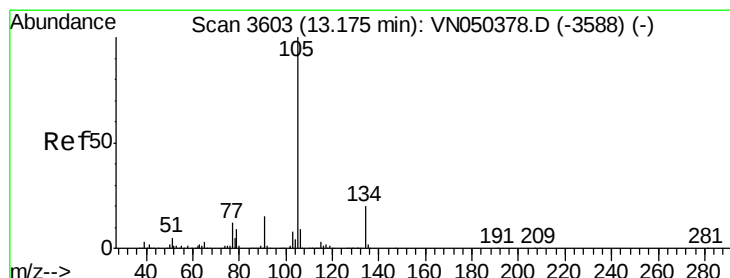
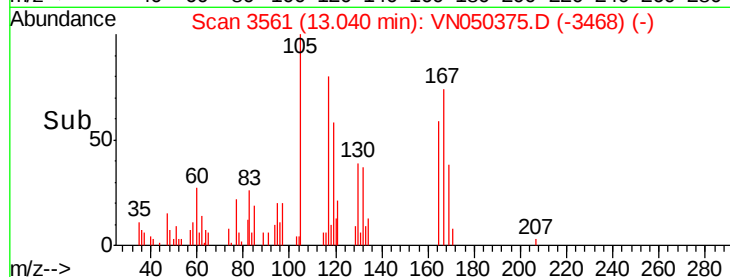
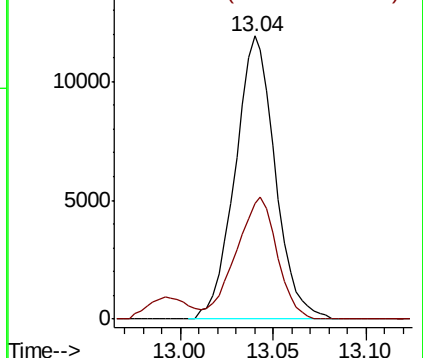
105 100

120 44.5 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.913 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050375.D

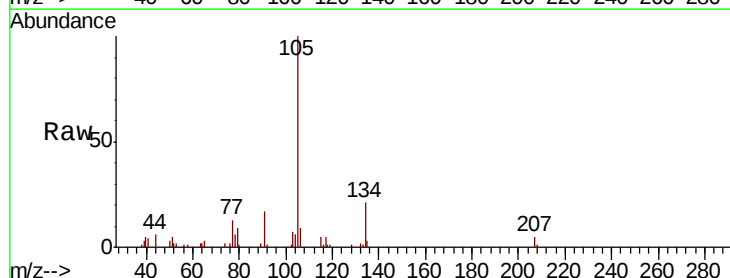
Acq: 6 Aug 2018 11:10

Tgt Ion:105 Resp: 23745

Ion Ratio Lower Upper

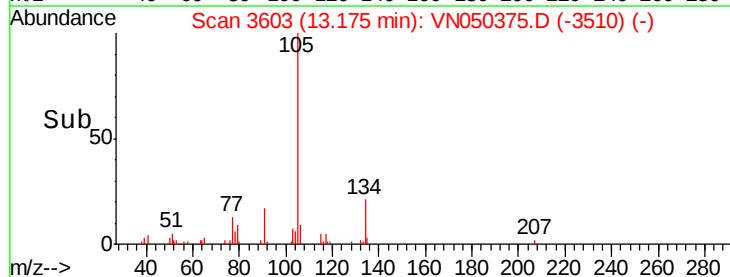
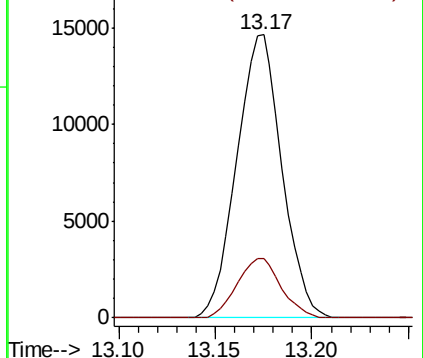
105 100

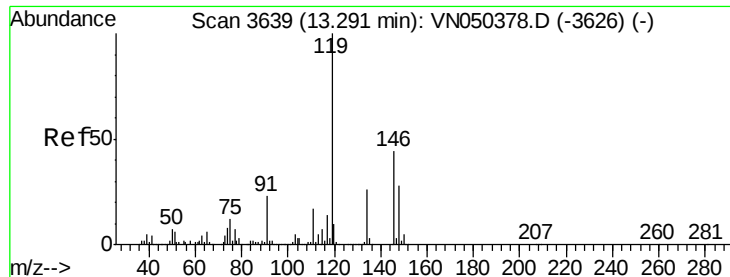
134 20.4 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

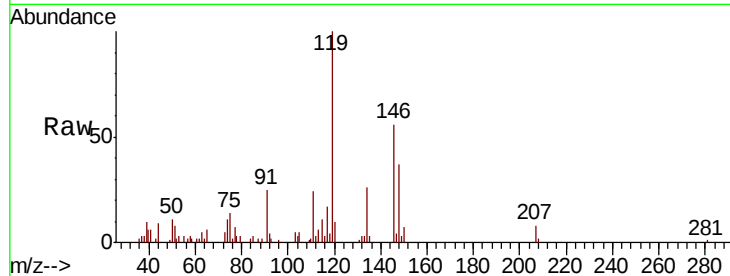




#86  
 p-Isopropyltoluene  
 Concen: 0.822 ug/l  
 RT: 13.29 min Scan# 3639  
 Delta R.T. 0.00 min  
 Lab File: VN050375.D  
 Acq: 6 Aug 2018 11:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.2  | 13.3  | 39.8  |
| 91      | 24.9  | 11.4  | 34.2  |

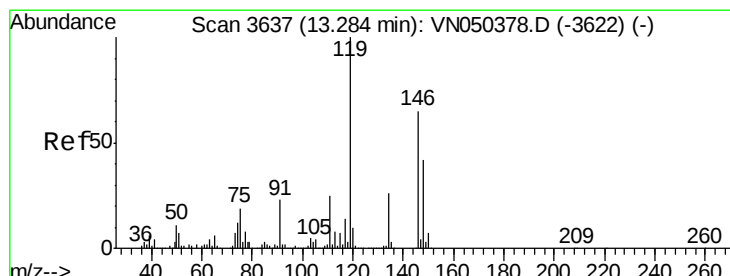
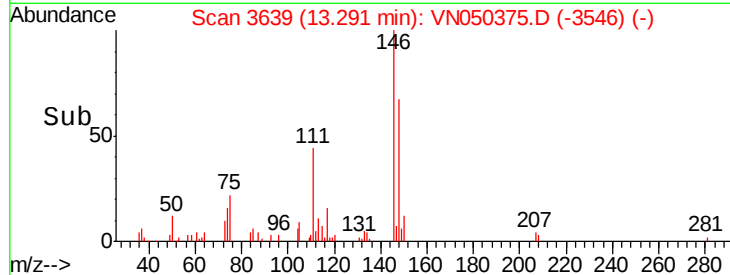
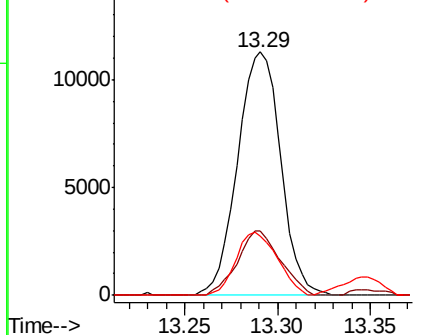


Abundance

Ion 119.00 (118.70 to 119.70): V

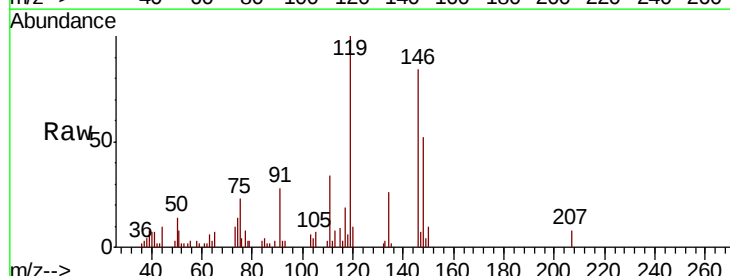
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87  
 1,3-Dichlorobenzene  
 Concen: 1.027 ug/l  
 RT: 13.28 min Scan# 3637  
 Delta R.T. 0.00 min  
 Lab File: VN050375.D  
 Acq: 6 Aug 2018 11:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.7  | 18.8  | 56.4  |
| 148     | 60.4  | 31.9  | 95.9  |

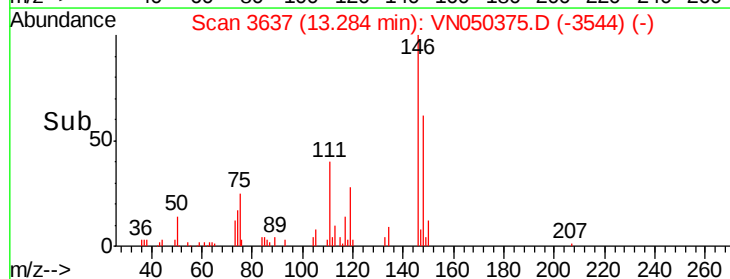
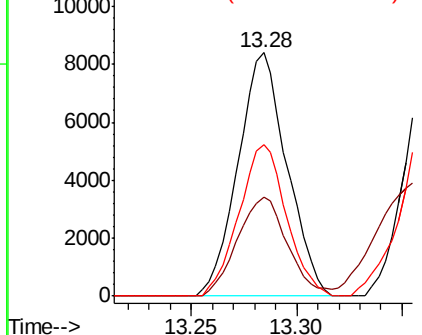


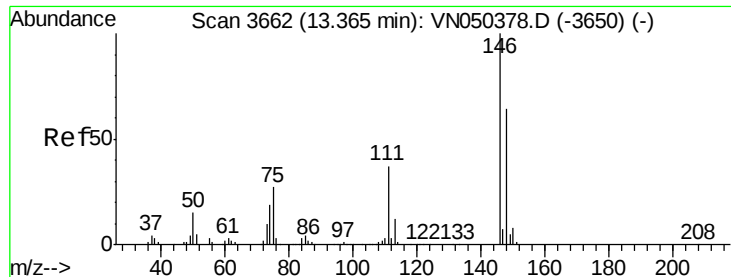
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

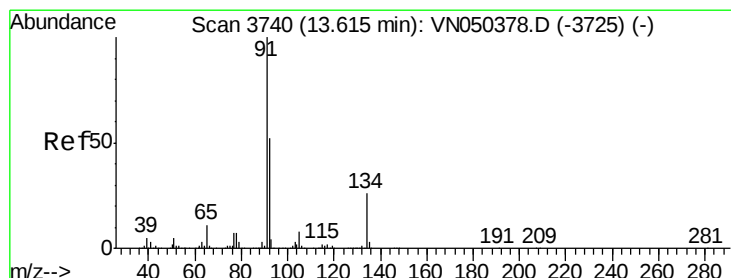
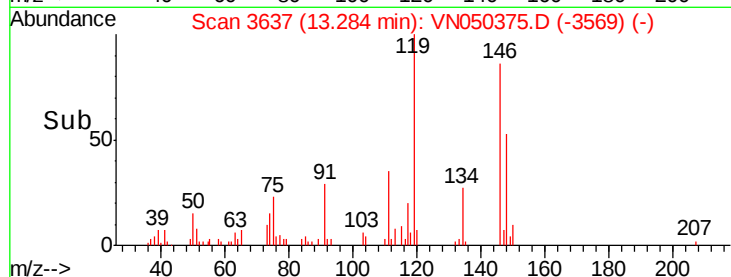
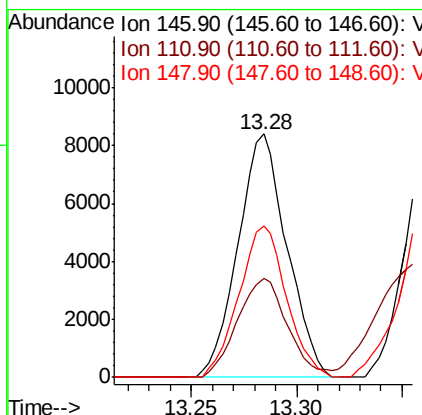
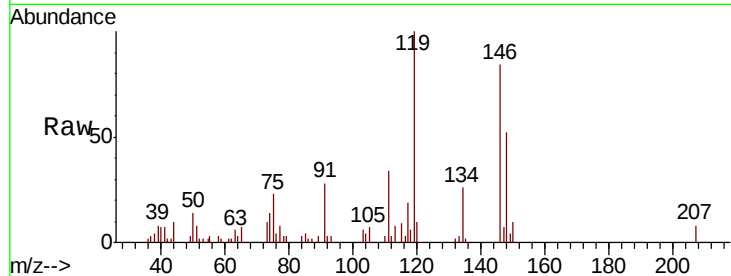




#88  
 1,4-Dichlorobenzene  
 Concen: 1.029 ug/l  
 RT: 13.28 min Scan# 3637  
 Delta R.T. -0.08 min  
 Lab File: VN050375.D  
 Acq: 6 Aug 2018 11:10

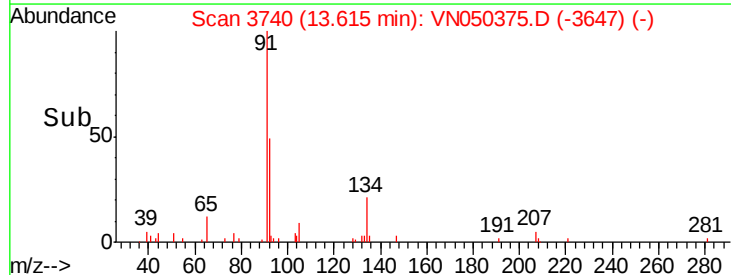
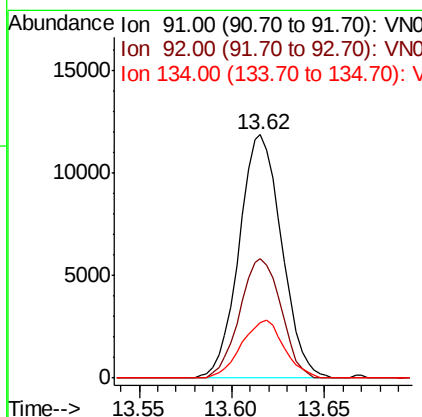
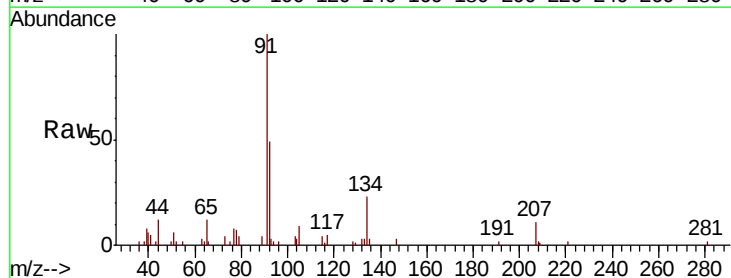
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDIC001

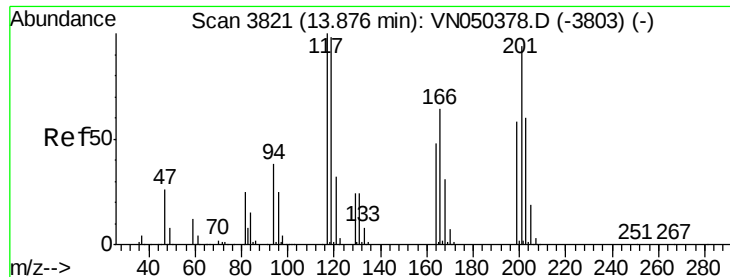
Tot Ion:146 Resp: 13506  
 Ion Ratio Lower Upper  
 146 100  
 111 41.7 18.3 54.9  
 148 60.4 31.9 95.9



#89  
 n-Butylbenzene  
 Concen: 0.995 ug/l  
 RT: 13.62 min Scan# 3740  
 Delta R.T. 0.00 min  
 Lab File: VN050375.D  
 Acq: 6 Aug 2018 11:10

Tgt Ion: 91 Resp: 18879  
 Ion Ratio Lower Upper  
 91 100  
 92 47.7 25.8 77.4  
 134 23.9 12.8 38.4

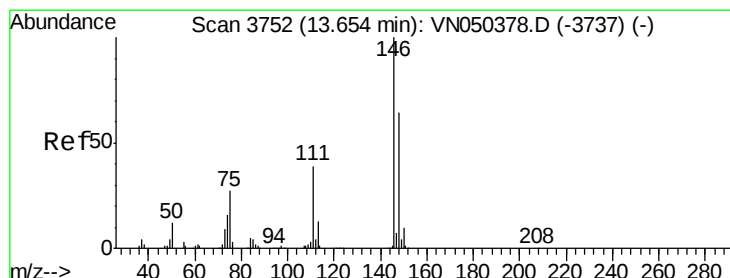
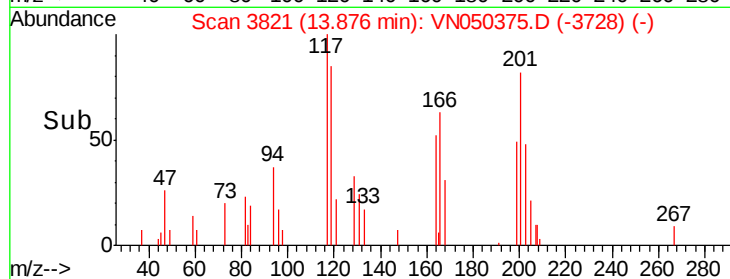
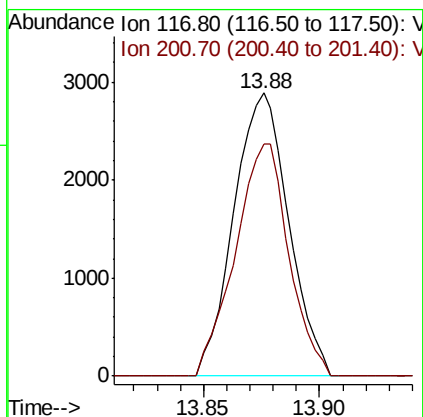
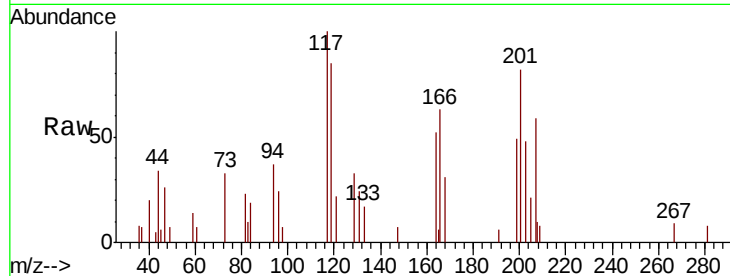




#90  
Hexachloroethane  
Concen: 1.198 ug/l  
RT: 13.88 min Scan# 3821  
Delta R.T. 0.00 min  
Lab File: VN050375.D  
Acq: 6 Aug 2018 11:10

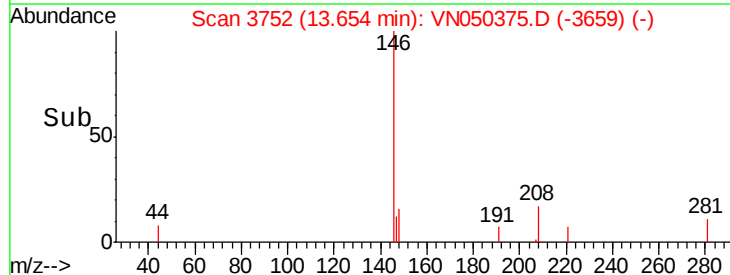
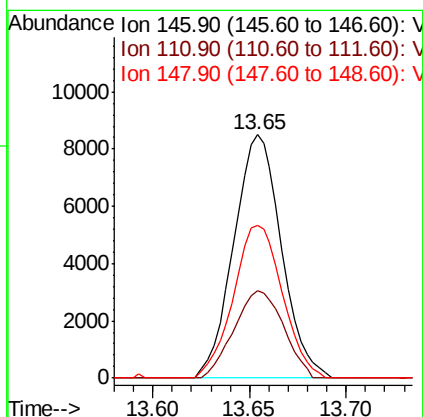
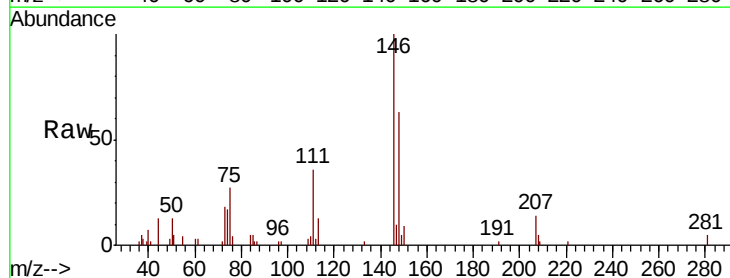
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

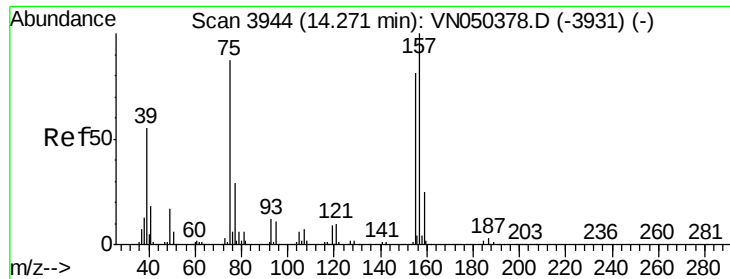
Tot Ion:117 Resp: 4746  
Ion Ratio Lower Upper  
117 100  
201 80.0 45.6 136.8



#91  
1,2-Dichlorobenzene  
Concen: 1.105 ug/l  
RT: 13.65 min Scan# 3752  
Delta R.T. 0.00 min  
Lab File: VN050375.D  
Acq: 6 Aug 2018 11:10

Tgt Ion:146 Resp: 14560  
Ion Ratio Lower Upper  
146 100  
111 37.1 19.6 58.7  
148 64.7 32.1 96.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.226 ug/l

RT: 14.27 min Scan# 3945

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

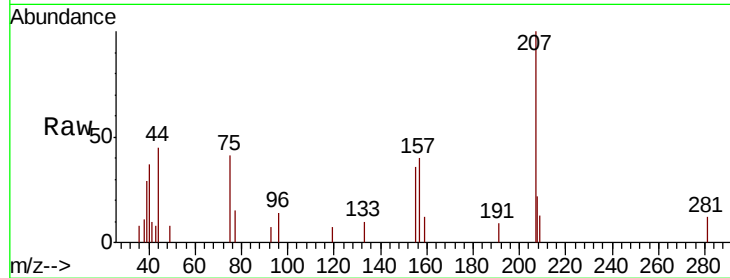
Tot Ion: 75 Resp: 1654

Ion Ratio Lower Upper

75 100

155 62.6 44.8 134.4

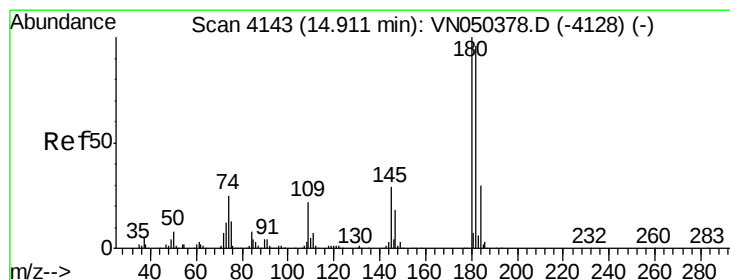
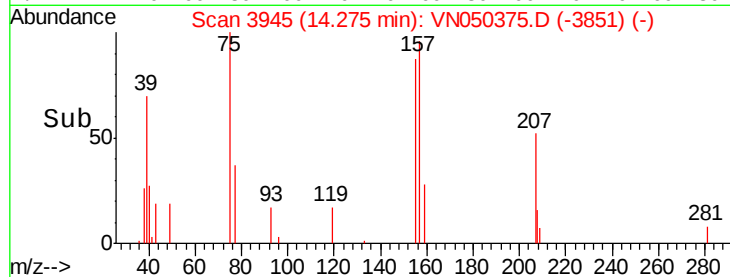
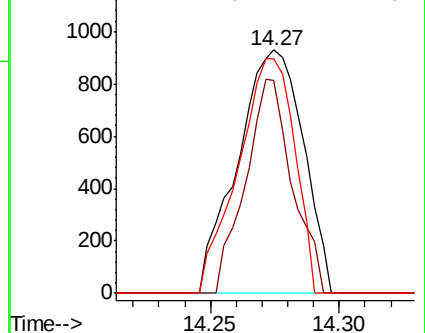
157 82.7 57.2 171.6



Abundance Ion 74.90 (74.60 to 75.60): VN050375.D (-3851) (-)

Ion 154.80 (154.50 to 155.50): VN050375.D (-3851) (-)

Ion 156.80 (156.50 to 157.50): VN050375.D (-3851) (-)



#93

1,2,4-Trichlorobenzene

Concen: 1.016 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

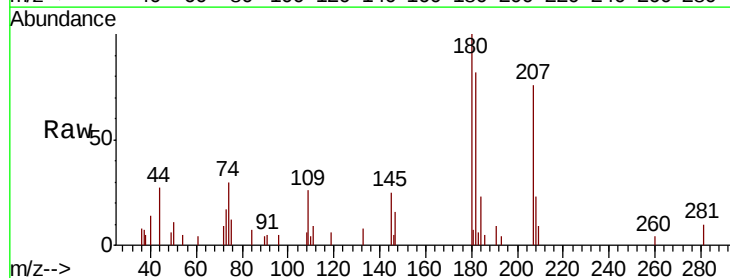
Tgt Ion: 180 Resp: 6821

Ion Ratio Lower Upper

180 100

182 88.6 46.7 140.1

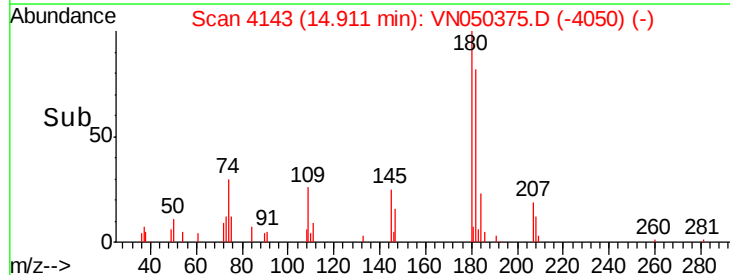
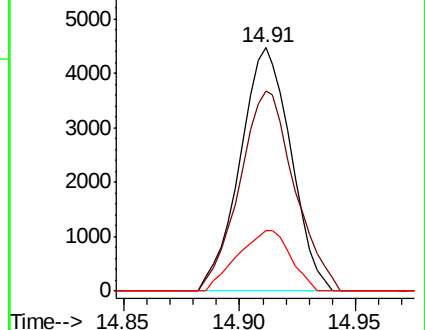
145 25.8 13.8 41.4

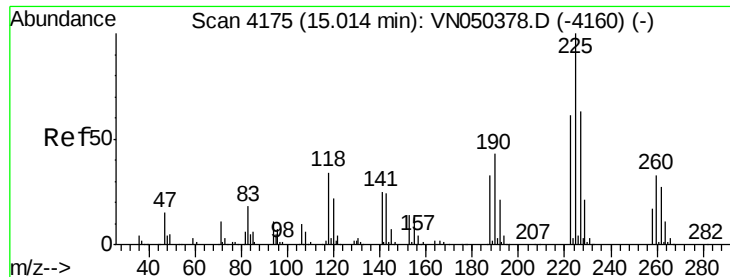


Abundance Ion 179.80 (179.50 to 180.50): VN050375.D (-4050) (-)

Ion 181.80 (181.50 to 182.50): VN050375.D (-4050) (-)

Ion 144.80 (144.50 to 145.50): VN050375.D (-4050) (-)

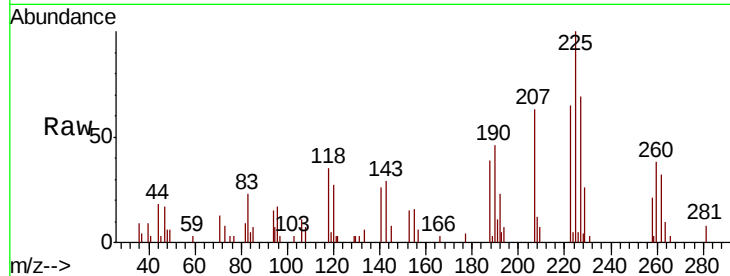




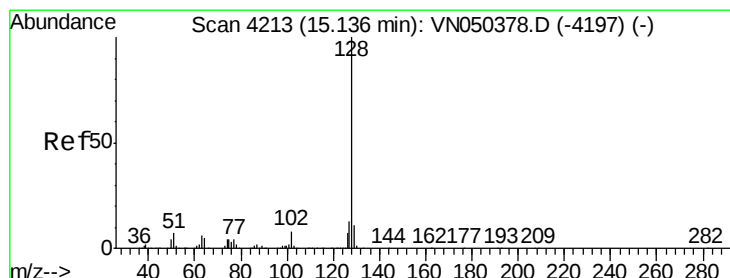
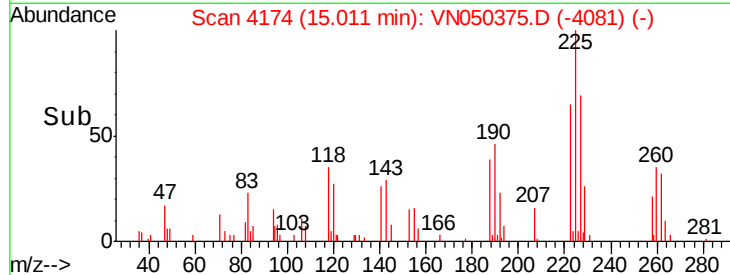
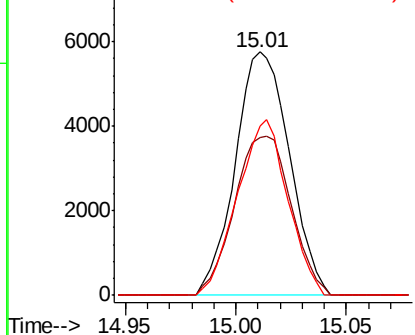
#94  
Hexachlorobutadiene  
Concen: 1.064 ug/l  
RT: 15.01 min Scan# 4174  
Delta R.T. -0.00 min  
Lab File: VN050375.D  
Acq: 6 Aug 2018 11:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tot Ion:225 Resp: 9800  
Ion Ratio Lower Upper  
225 100  
223 68.5 31.4 94.2  
227 67.0 32.1 96.5

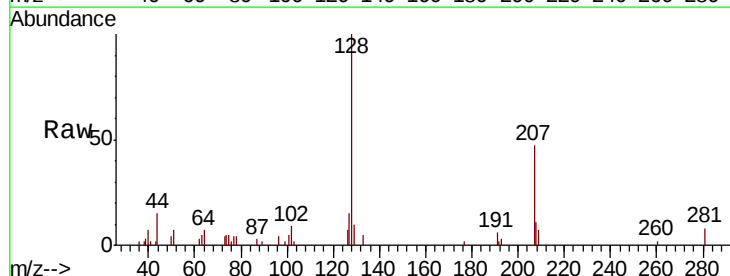


Abundance Ion 224.70 (224.40 to 225.40): V  
Ion 222.70 (222.40 to 223.40): V  
Ion 226.70 (226.40 to 227.40): V

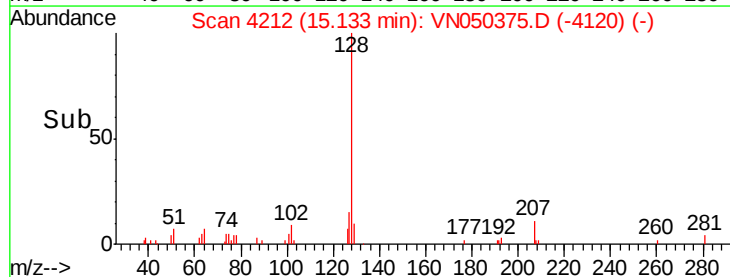
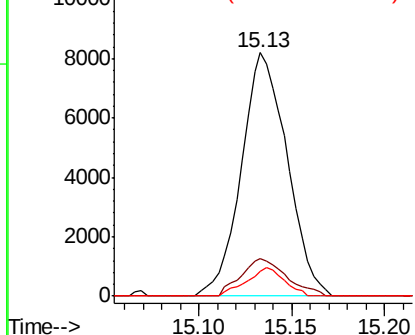


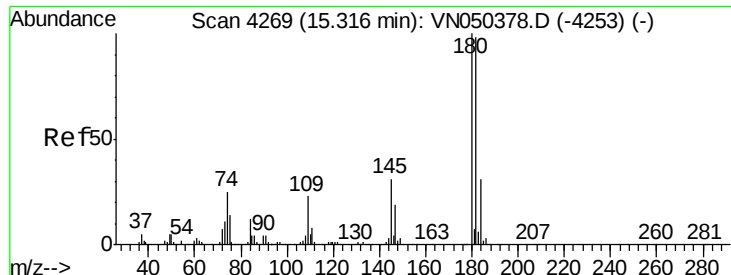
#95  
Naphthalene  
Concen: 4.355 ug/l  
RT: 15.13 min Scan# 4212  
Delta R.T. -0.00 min  
Lab File: VN050375.D  
Acq: 6 Aug 2018 11:10

Tgt Ion:128 Resp: 14079  
Ion Ratio Lower Upper  
128 100  
127 15.5 10.4 15.6  
129 9.6 8.8 13.2



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





#96

1,2,3-Trichlorobenzene

Concen: 1.163 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050375.D

Acq: 6 Aug 2018 11:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

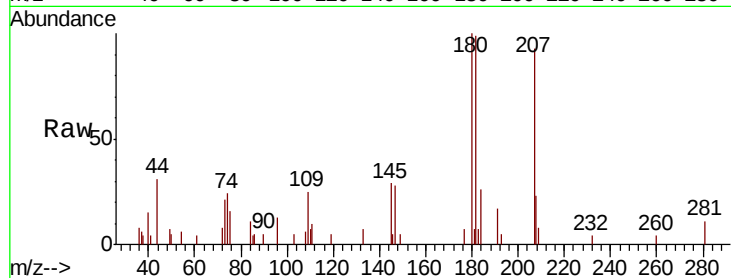
Tot Ion:180 Resp: 7890

Ion Ratio Lower Upper

180 100

182 96.8 48.1 144.4

145 30.1 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

